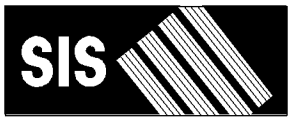
CATERPILLAR®

SEBP3815-35
September 2009

Parts Manual



See “General Information” for New Parts Manual Features.

C15 Industrial Engine

JRE1-Up (Engine)

This Parts Manual is also Available in .PDF Format on Compact Disc (CD-ROM) - Caterpillar Form No. SERP3815

Product and Dealer Information

Note: For product identification plate locations, see the section “Product Identification Information” in the Operation and Maintenance Manual.

Delivery Date: _____

Product Information

Model: _____

Product Identification Number: _____

Engine Serial Number: _____

Transmission Serial Number: _____

Generator Serial Number: _____

Attachment Serial Numbers: _____

Attachment Information: _____

Customer Equipment Number: _____

Dealer Equipment Number: _____

Dealer Information

Name: _____ Branch: _____

Address: _____

_____

_____

	Dealer Contact	Phone Number	Hours
Sales:	_____	_____	_____
Parts:	_____	_____	_____
Service:	_____	_____	_____

MEMORANDA

TABLE OF CONTENTS

Name	Page
GENERAL INFORMATION	A4
REPAIR ALTERNATIVES	A6
SUPPLEMENTAL COOLANT ADDITIVES	A7
MAINTENANCE PARTS	A8
INDEX	A13
ENGINE ARRANGEMENT	1
ENGINE AR-COMPLETE	1
ENGINE AR-CORE	3
BASIC ENGINE	17
ACTUATOR GP-VALVE	17
ADAPTER GP-ENGINE TO TMSN	27
ADAPTER GP-FLYWHEEL	28
ADAPTER GP-OIL PAN DRAIN	30
ADAPTER GP-PUMP DRIVE	31
AIR COMPRESSOR GP	32
BASE GP-VALVE COVER & INJ HARN	57
BELT TENSIONER GP	65
BELT TIGHTENER GP	66
CAMSHAFT GP	68
CLUTCH GP	71
COVER GP-CYLINDER BLOCK	78
COVER GP-FLYWHEEL HOUSING	84
COVER GP-FRONT HOUSING	91
COVER GP-VALVE MECHANISM	93
CRANKSHAFT GP	113
CYLINDER BLOCK AS	114
CYLINDER BLOCK GP	117
CYLINDER HEAD AS	125
CYLINDER HEAD GP	133
DAMPER & PULLEY GP	143
DAMPER GP	146
DRAIN GP-ENGINE OIL	149
DRIVE GP-ACCESSORY	150
DRIVE GP-FAN	155
DRIVE GP-POWER TAKE-OFF	175
DRIVE GP-PUMP	179
ENGINE BRAKE GP	180
FASTENER GP-ALTERNATOR	183
FASTENER GP-ENGINE	184
FASTENER GP-FLYWHEEL HOUSING	186
FASTENER GP-FRONT COVER	188
FASTENER GP	192
FASTENER GP-FRONT HOUSING	193
FASTENER GP-OIL PAN	198
FASTENER GP-SOUND SUPPRESSION	201
FASTENER GP-VALVE MECHANISM	203
FLYWHEEL GP	205
GEAR GP-CAMSHAFT	230
GEAR GP-FRONT	231
GEAR GP-REAR	233
GOVERNOR GP-AIR COMPRESSOR	236
GUARD GP-BELT	238
GUARD GP-DAMPER	241
HOUSING GP-FLYWHEEL	248
HOUSING GP-FRONT	261
KIT-CRANKSHAFT BEARING	267
LIFTING GP-ENGINE	268
LINES GP-AIR COMPRESSOR	274
MECHANISM GP-FUEL PUMP & VALVE	277
MOUNTING GP-AIR COMPRESSOR	284
MOUNTING GP-ALTERNATOR	286
MOUNTING GP-ALTERNATOR & COMPR	308
MOUNTING GP-REFRIGERANT COMPR	310
PAN GP-OIL	311
PISTON & ROD GP	330
PLUG GP-CYLINDER BLOCK	348
PLUG GP-CYLINDER HEAD	353
PLUG GP-ENGINE	355
PLUG GP-FLYWHEEL HOUSING	359
PLUG GP-OIL PAN	361
POWER TAKE-OFF GP	365
PULLEY GP	369
PULLEY GP-AUXILIARY DRIVE	370
PULLEY GP-CRANKSHAFT	372
PULLEY GP-ENGINE	374
PUMP GP-GEAR	375
ROCKER ARM GP	378
SEAL GP-CRANKSHAFT	390
SUPPORT GP-ENGINE	393
SUPPORT GP-POWER TAKE-OFF	404
TRUNNION GP-ENGINE	406
V-BELT SET	407
LUBRICATION SYSTEM	416
BASE GP-OIL FILTER	416
FASTENER GP-OIL PUMP MOUNTING	419
FILLER GP-ENGINE OIL	420
FILTER GP-ENGINE OIL	427
FUMES DISPOSAL GP	437
GAUGE GP-OIL LEVEL (DIPSTICK)	440
GUIDE GP-OIL LEVEL GAUGE	450
LINES GP-ENGINE OIL	456
LINES GP-OIL	463
LINES GP-TURBOCHARGER OIL	464
MOUNTING GP-OIL LEVEL GAUGE	468
PUMP GP-ENGINE OIL	469
COOLING SYSTEM	470
ADAPTER GP-FAN	470
COOLANT CONDITIONER GP	474

TABLE OF CONTENTS

Name	Page
CORE GP-OIL COOLER	491
FAN GP-BLOWER	492
FAN GP-SUCTION	495
FASTENER GP-OIL COOLER	499
FASTENER GP-WATER LINES	501
FASTENER GP-WATER PUMP	502
FILTER AS-COOLANT CONDITIONER	504
FITTING GP-WATER LINES	506
FLANGE GP-TMSN OIL COOLER	508
HEAT EXCHANGER GP-SEA WATER	509
LINES GP-WATER	511
PLUG GP-WATER LINES	532
PUMP GP-WATER	540
RADIATOR GP	542
VALVE-MANUAL	595
AIR INLET AND EXHAUST SYSTEM	596
ADAPTER GP-AIR CLEANER	596
AIR CLEANER GP	597
CAP AS-RAIN	612
CONNECTION GP-EXHAUST	615
COVER GP-AIR INLET	620
ELBOW GP-AIR INLET	621
ELBOW GP-EXHAUST	625
ELBOW-EXHAUST	629
FITTING GP-EXHAUST	632
FLANGE GP-EXHAUST	635
HOSE-AIR INLET	639
KIT-EXHAUST PARTS	640
LINES GP-AIR	641
LINES GP-TURBOCHARGER	661
MANIFOLD GP-EXHAUST	663
MUFFLER	666
MUFFLER GP	667
MUFFLER GP-SPARK ARRESTOR	669
PIPE GP-EXHAUST	670
PRECLEANER GP	673
SHIELD GP-HEAT	677
SHIELD GP-MANIFOLD	679
SHUTOFF GP-AIR	681
TURBOCHARGER GP	691
FUEL SYSTEM	707
BASE GP-FUEL FILTER	707
COOLER GP-FUEL	708
CORE AS-FUEL COOLER	711
FASTENER GP-FUEL LINES	712
FILTER GP-FUEL	714
FILTER GP-WATER SEP & FUEL	717
FITTING GP-FUEL LINES	721
FITTING GP-QUICK DISCONNECT	723
LINES GP-FLEXIBLE FUEL	724
LINES GP-FUEL	725
LINES GP-FUEL FILTER	729
MANIFOLD GP-FUEL	774
PUMP & MTG GP-FUEL TRANSFER	776
PUMP GP-FUEL INJECTION	778
PUMP GP-FUEL PRM & PRIM FILTER	783
PUMP GP-FUEL PRM & SEC FILTER	785
PUMP GP-FUEL PRM & WATER SEP	794
SHUTOFF GP-MANUAL	796
VALVE GP-CHECK	797
VALVE GP-FUEL BYPASS	801
VALVE GP-RELIEF	802
ELECTRICAL AND STARTING SYSTEM	803
ALTERNATOR GP-CHARGING	803
BATTERY GP	835
CABLE GP-BATTERY	838
CONNECTION GP-ELECTRICAL	840
CONTROL & MTG GP-ENGINE ELEK	844
CONTROL GP-AUTO START/STOP	848
CONTROL GP-ENGINE SPEED	852
CONTROL GP-REMOTE SPEED	854
CONVERTER GP-ELECTRICAL	855
FASTENER GP-WIRING HARNESS	857
FASTENER GP-ENGINE WIRING	858
HARNESS AS-PANEL	861
HARNESS AS-SENSOR	862
HARNESS AS-WIRING	864
HEATER GP-JACKET WATER	865
LUBRICATOR GP-AIR MOTOR	867
MODULE GP-INTERFACE	868
MOUNTING GP-CIRCUIT BREAKER	870
MOUNTING GP-JACKET WTR HEATER	877
MOUNTING GP-SENSOR	879
SENSOR GP-COOLANT LEVEL	881
SENSOR GP-ENGINE	882
SENSOR GP-LIQUID LEVEL	886
SENSOR GP-POSITION	889
SENSOR GP-PRESSURE	890
SENSOR GP-SPEED	897
SENSOR GP-TEMPERATURE	905
SILENCER-AIR STARTING	912
STARTING AID GP-ETHER	913
STARTING MOTOR GP-AIR	916
STARTING MOTOR GP-ELECTRIC	928
SUPPORT GP-BATTERY	950
SWITCH GP-MAGNETIC	951
SWITCH GP-REMOTE STARTING	954
SWITCH GP-START	955
SWITCH GP-TOGGLE	956
VALVE GP-AIR STARTING	957
VALVE GP-ETHER STARTING	959
WIRING GP-ELECTRONIC CONTROL	961
WIRING GP-ENGINE	963
WIRING GP-ENGINE ELECTRONIC	977
WIRING GP-SENSOR	982
WIRING GP-UNIT INJECTOR	983

TABLE OF CONTENTS

Name	Page	Name	Page
HYDRAULIC SYSTEM	984		
ACTUATOR GP-PUMP	984		
MOUNTING GP-PUMP	985		
PUMP & MTG GP-HYDRAULIC	987		
PUMP GP-HYDRAULIC	997		
PUMP GP-PISTON	1010		
ROTATING GP-PUMP	1016		
VALVE GP-PUMP CONTROL	1020		
ENCLOSURES, GUARDS AND BASES	1022		
BASE GP-ENGINE	1022		
MOUNTING AS-VIBRATION ISOLATOR	1023		
PANEL GP-SOUND SUPPRESSION	1024		
PRIME PACKAGE	1026		
MOUNTING GP-PUMP	1026		
TRANSMISSION	1027		
PUMP GP-CHARGE	1027		
OPERATOR STATION	1029		
AMMETER GP	1029		
BOX GP-INSTRUMENT PANEL	1030		
CONTROL GP-ENGINE MONITORING	1032		
CONTROL GP-UNPRGMED MONITOR	1033		
GAUGE GP-COOLANT TEMPERATURE	1034		
GAUGE GP-ENGINE OIL PRESSURE	1036		
GAUGE GP-FUEL PRESSURE	1038		
MODULE GP-DISPLAY	1040		
MOUNTING GP-INSTRUMENT PANEL	1041		
MOUNTING GP-TACHOMETER	1048		
PANEL GP-INSTRUMENT	1049		
PLUG GP-INSTRUMENT PANEL	1078		
TACHOMETER GP-ELECTRIC	1081		
VOLTMETER GP	1084		
SERVICE EQUIPMENT AND SUPPLIES	1089		
CHART-PLATE & FILM	1089		
KIT-FUEL PRIMING PUMP	1090		
KIT-GASKET	1091		
PLATE GP-IDENTIFICATION	1092		
PART NUMBER INDEX	B1		

GENERAL INFORMATION

1. ENGINE IDENTIFICATION

Caterpillar engines are identified with Serial Numbers and Arrangement Numbers. In some cases, Modification Numbers are also used. The serial number plate which shows these numbers is mounted on the engine.

Caterpillar dealers need this information to determine which components were included on the engine when it was assembled at the factory. This permits accurate identification of replacement part numbers.

2. ORDERING PARTS

⚠ WARNING

When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.

Failure to heed this warning can lead to premature failures, product damage, personal injury or death.

Quality Caterpillar replacement parts are available from Caterpillar dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Caterpillar Engines. Dealers may offer repair kits or remanufactured parts to allow selection of the most effective repair alternative for a particular situation. When ordering parts, your order should specify the quantity, part number, part name, and the serial number/product identification number of the engine for which the parts are needed.

3. PARTS MANUAL ORGANIZATION

Product information in this manual is presented as "information elements" that represent all of the components for the specific model. An Engine Arrangement is an example of an information element. The information elements are organized alphabetically by part name and secondarily by part number within each major section of the manual.

4. TABLE OF CONTENTS

A table of contents (TOC) is found at the beginning of the manual. The TOC lists each section of the manual with a complete list of all information elements organized as they appear in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

5. MAINTENANCE PARTS INDEX

The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

6. INDEX

The index located near the front of the manual is an alphabetical listing of all information elements included in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

7. PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

8. CAPTIONS

Captions located at the beginning each information element identify the part number and part name along with additional descriptive information. S/N information found in each caption should be used to select correct information for a specific engine. Field replacement options, identification of optional attachment components, and where used ("part of") information is also provided.

The first line of a caption is shown in larger type font to indicate the beginning of an information element. Captions for additional pages that may be required to illustrate an information element will be shown in standard type font and will include the term *(contd.)* .

9. NON-SERVICED PARTS

In some instances it is necessary to display non-serviced parts that are a link to lower level serviceable consist lists. These non-serviced part numbers are shown in *italic* type indicating that they are not available. All consist lists have not been converted to reflect this enhancement.

10. PARTS LIST REFERENCE NUMBERS

Numbers shown in the Ref No column correspond to numbers used in the associated graphic(s). An alphabetic suffix may be added to a reference number to identify lower level consist items. Numbers shown in the Graphic Ref column refer to the graphic number identifier displayed in the lower left corner of each illustration. The Graphic Ref number may be used in combination with the item Ref No to determine the correct part number. There may be intentional omission of a Ref No in a consist list as information is updated to reflect the latest serviceable part numbers.

11. INDENTED PART NAMES

When a part name is indented in a parts list, it is part of (included in) the group or assembly under which it is indented.

12. ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

13. ABBREVIATIONS AND SYMBOLS

O.D. – Outside Diameter
I.D. – Inside Diameter
A – Not Part Of This Group
B – Use As Required
C – Change From Previous Type
D – Order By The Meter
E – Order By The Centimeter
F – Not Shown
G – Order By The Inch
I – Refer To Hydraulic Information System
M – Metric Part
R – Remfg Part May Be Available
Y – Separate Illustration
Z – Not Serviced Separately

SIS *New Feature*

14. DESCRIPTION OF TYPE CHANGES

Type - A type is defined as any configuration change that requires an additional Information Element for an Arrangement, Group, or Assembly. If serial number breaks for types are not available, a type # (Type 1, Type 2, etc.) will be displayed in the caption. These "type" changes are identified with a "C" note (change from previous type) in the Parts List. Only the "types" that apply to this Parts Manual will be included. Additional types may exist causing "C" notes to appear on an Information Element when no other types are shown.

15. <END>

This symbol indicates the end of an information element.

NOTE:

Continuing improvement and advancement of product design may cause changes to your engine which may not be included in this publication. Whenever a question arises regarding your Caterpillar product or this publication, please consult your Caterpillar dealer for the latest available information.

REPAIR ALTERNATIVES

REMANUFACTURED COMPONENTS

As an option when making repairs consider Caterpillar Remanufactured Components. Components that are available through the Caterpillar Remanufactured Program are identified three ways in the parts book:

- with the letter R in the note field of the parts list
- with an R* at the beginning of the first line of the caption
- with an *R at the end of the first line of the caption

Typical components included in the Remanufacturing Program include:

ALTERNATORS
CONNECTING RODS
CRANKSHAFTS - UNDERSIZE
CRANKSHAFTS - UPGRADE TO NEW
CYLINDER HEADS
ELECTRONIC CONTROL MODULES (ECM)
ELECTRONIC SENSORS
FUEL INJECTORS
FUEL NOZZLES
FUEL PUMPS
GOVERNORS
OIL PUMPS
PISTONS
SHORT BLOCKS
STARTERS
TURBOCHARGERS - COMPLETE
TURBOCHARGER CARTRIDGES
WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

SUPPLEMENTAL COOLANT ADDITIVES

CUSTOMER BENEFITS:

Protects against cavitation, foam, erosion, corrosion, and scale buildup in cooling systems.

- Provides measured coolant conditioner.

DESCRIPTION:

Additives deplete from the coolant with normal operation. For this reason, Supplemental Coolant Additives (SCA) must be added to all heavy duty coolants at regular intervals. In addition, when not using a fully formulated, pre-charged antifreeze, like Caterpillar's DEAC, an initial charge of SCA must be added to the cooling system. The amount of SCA added to the system is dependent on the capacity of the system.

The SCA for initial fill is provided as a liquid. SCA's for maintenance intervals are available in liquid form and as a spin-on element. (No Spin-on available for 3600 Family of Engines)

NOTE:

The amount of SCA added at initial fill is not the same as the amount added at maintenance intervals.

The coolant additive elements can be used with any ethylene or propylene glycol type antifreeze which meets ASTM D4985 or ASTM D5345 Specifications.

NOTE:

For use with standard heavy duty coolant only, not for use with Extended Life Coolant.

PARTS NEEDED:

Cooling System Capacity		Liquid SCA at Initial Fill	Liquid SCA at Maintenance*	Spin-on SCA Maintenance Element*
Liters	Gallons			
22-30	(6-8)	3P-2044 (1)	6V-3542 (1)	111-2370 (1)
30-38	(8-10)	3P-2044 (1) 6V-3542 (1)	111-2372 (1)	111-2369 (1)
38-49	(10-13)	3P-2044 (1) 8T-1589 (1)	111-2372 (1)	111-2369 (1)
49-64	(13-17)	3P-2044 (2)	8T-1589 (1)	9N-3368 (1)
64-83	(17-22)	3P-2044 (2) 8T-1589 (1)	111-2372 (1) 6V-3542 (1)	111-2371 (1)
83-114	(22-30)	3P-2044 (3) 8T-1589 (1)	3P-2044 (1)	9N-3718 (1)
114-163	(30-43)	3P-2044 (5)	3P-2044 (1) 6V-3542 (1)	111-2371 (2)
163-242	(43-64)	3P-2044 (8)	3P-2044 (2)	9N-3718 (2)

** Normal maintenance period is 250 hrs. See your Operation and Maintenance Manual for complete coolant maintenance instructions.*

( ) Indicates quantity required.

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
AIR INLET AND EXHAUST SYSTEM				
FILTER ELEMENT AS-AIR (PRIMARY)	106-3969	1	AIR CLEANER GP	604
	6I-2509	1	AIR CLEANER GP	601
FILTER ELEMENT AS-AIR (SECONDARY)	106-3973	1	AIR CLEANER GP	604
	6I-2510	1	AIR CLEANER GP	601

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
BASIC ENGINE				
BELT-SERPENTINE	197-4567	1	PULLEY GP-ENGINE	374
CAP AS-FILLER (ENGINE OIL)	113-5253	1	COVER GP-VALVE MECHANISM	106
CAP AS-OIL FILLER (ENGINE)	2W-6225	1	COVER GP-VALVE MECHANISM	94
PLUG-DRAIN (ENGINE OIL PAN)	109-5839	1	PAN GP-OIL	321
		1	PAN GP-OIL	323
		1	PAN GP-OIL	327
	9X-6451	1	PAN GP-OIL	311
		3	PAN GP-OIL	312
		1	PAN GP-OIL	314
		3	PAN GP-OIL	315
		3	PAN GP-OIL	317
		3	PAN GP-OIL	319
		3	PAN GP-OIL	325
		2	PLUG GP-OIL PAN	362
		1	PLUG GP-OIL PAN	363
		1	PLUG GP-OIL PAN	364
SEAL-VALVE COVER	242-9537	1	COVER GP-VALVE MECHANISM	93
		1	COVER GP-VALVE MECHANISM	94
		1	COVER GP-VALVE MECHANISM	95
		1	COVER GP-VALVE MECHANISM	97
		1	COVER GP-VALVE MECHANISM	98
		1	COVER GP-VALVE MECHANISM	105
		1	COVER GP-VALVE MECHANISM	106
		1	COVER GP-VALVE MECHANISM	107
		1	COVER GP-VALVE MECHANISM	112
V-BELT (ALTERNATOR)	4N-8216	1	MOUNTING GP-ALTERNATOR	287
		1	MOUNTING GP-ALTERNATOR	289
		1	MOUNTING GP-ALTERNATOR	293
		1	MOUNTING GP-ALTERNATOR	299
	6N-0341	1	MOUNTING GP-ALTERNATOR	286
	6N-7135	1	MOUNTING GP-ALTERNATOR	290
		1	MOUNTING GP-ALTERNATOR	292
		1	MOUNTING GP-ALTERNATOR	294
		1	MOUNTING GP-ALTERNATOR	296
	9L-6639	1	MOUNTING GP-ALTERNATOR	307
	9L-6641	1	MOUNTING GP-ALTERNATOR	301
		3	V-BELT SET	414
V-BELT (FAN DRIVE)	6N-6650	3	V-BELT SET	409
	9L-6641	4	V-BELT SET	415
V-BELT (INCLUDES 4-BELTS)	6N-6650	4	V-BELT SET	413
V-BELT SET (INCLUDES 2-BELTS) (ALTERNATOR)	5L-5012	1	MOUNTING GP-ALTERNATOR	305
	7N-3949	1	MOUNTING GP-ALTERNATOR	300
		1	MOUNTING GP-ALTERNATOR	303
V-BELT SET (INCLUDES 3-BELTS) (FAN DRIVE)	6N-6651	1	DRIVE GP-FAN	165
	6N-7053	1	DRIVE GP-FAN	163
V-BELT SET (INCLUDES 4-BELTS) (FAN DRIVE)	5N-2346	1	DRIVE GP-FAN	167

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
COOLING SYSTEM				
CAP-PRESSURE (7-PSI) (RADIATOR)	6L-8617	1	RADIATOR GP	542
		1	RADIATOR GP	581
FILTER-COOLANT CONDITIONER	9N-3717		COOLANT CONDITIONER GP	476
		1	FILTER AS-COOLANT CONDITIONER	504
	9N-3718	1	FILTER AS-COOLANT CONDITIONER	504
		1	FILTER AS-COOLANT CONDITIONER	505
	9N-6123	1	COOLANT CONDITIONER GP	476
		1	FILTER AS-COOLANT CONDITIONER	504
		1	FILTER AS-COOLANT CONDITIONER	505
FILTER-COOLANT CONDITIONER (PRECHARGE)	9N-3367	1	COOLANT CONDITIONER GP	486
PLUG-DRAIN (HEAT EXCHANGER)	5B-9169	3	HEAT EXCHANGER GP-SEA WATER	509
REGULATOR-WATER TEMPERATURE (98-DEG C)	247-7133	2	LINES GP-WATER	513
		2	LINES GP-WATER	515
		2	LINES GP-WATER	517
		2	LINES GP-WATER	519
		2	LINES GP-WATER	521
		2	LINES GP-WATER	523
		2	LINES GP-WATER	525
REGULATOR-WATER TEMPERATURE (98-DEG C) (COOLANT)	247-7133	2	LINES GP-WATER	511
		2	LINES GP-WATER	527
		2	LINES GP-WATER	529
ROD AS-ZINC (HEAT EXCHANGER)	8L-4521	2	HEAT EXCHANGER GP-SEA WATER	509
SEAL (TEMPERATURE REGULATOR HOUSING)	166-2340	1	LINES GP-WATER	511
		1	LINES GP-WATER	513
		1	LINES GP-WATER	515
		1	LINES GP-WATER	517
		1	LINES GP-WATER	519
		1	LINES GP-WATER	521
		1	LINES GP-WATER	523
		1	LINES GP-WATER	525
		1	LINES GP-WATER	527
SEAL (TEMPERATURE REGULATOR)	166-2340	1	LINES GP-WATER	529
SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	3S-9643	2	LINES GP-WATER	529

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
ELECTRICAL AND STARTING SYSTEM				
BATTERY (12-VOLT) (DRY)	9X-9720	2	BATTERY GP	835
BATTERY GP (12-VOLT) (DRY)	9X-9730	2	BATTERY GP	836
BATTERY GP (12-VOLT, MAINTENANCE FREE, DRY)	115-2421	2	BATTERY GP	837
CAP AS-FILLER (BATTERY)	123-1373	6	BATTERY GP	837
CIRCUIT BREAKER AS (105-AMPERE)	171-2212	1	MOUNTING GP-CIRCUIT BREAKER	871
		1	MOUNTING GP-CIRCUIT BREAKER	873
		1	MOUNTING GP-CIRCUIT BREAKER	875
CIRCUIT BREAKER AS (15-AMPERE)	6T-3643	2	CONTROL GP-AUTO START/STOP	848
		2	CONTROL GP-AUTO START/STOP	850
CIRCUIT BREAKER AS (60-AMPERE)	171-2208	1	MOUNTING GP-CIRCUIT BREAKER	870
		1	MOUNTING GP-CIRCUIT BREAKER	872
		1	MOUNTING GP-CIRCUIT BREAKER	874
CIRCUIT BREAKER AS (80-AMPERE)	171-2210	1	MOUNTING GP-CIRCUIT BREAKER	876
GASKET	4H-7869	1	STARTING MOTOR GP-ELECTRIC	932
LAMP (12-VOLT)	2N-2372	2	CONTROL GP-AUTO START/STOP	850
LAMP (24-VOLT, 0.2-AMPERE)	7N-5876	2	CONTROL GP-AUTO START/STOP	848
LAMP AS-INDICATOR (RED)	2N-2371	1	CONTROL GP-AUTO START/STOP	848
		1	CONTROL GP-AUTO START/STOP	850
FUEL SYSTEM				
FILTER AS-WATER SEP & FUEL (PRIMARY)	326-1643	1	FILTER GP-WATER SEP & FUEL	719
	326-1644	1	FILTER GP-WATER SEP & FUEL	717
FILTER ELEMENT-FUEL (PRIMARY)	9M-2342	1	FILTER GP-FUEL	714
FILTER-FUEL (ADVANCED EFFICIENCY)	1R-0749	1	FILTER GP-FUEL	715
		1	FILTER GP-FUEL	716
FILTER-FUEL (ADVANCED EFFICIENCY) (SECONDARY)	1R-0749	1	PUMP GP-FUEL PRM & SEC FILTER	785
		1	PUMP GP-FUEL PRM & SEC FILTER	786
		1	PUMP GP-FUEL PRM & SEC FILTER	793
GASKET (FUEL PRIMING PUMP)	1P-0436	1	FILTER GP-FUEL	715
		1	FILTER GP-FUEL	716
		1	PUMP GP-FUEL PRM & SEC FILTER	785
		2	PUMP GP-FUEL PRM & SEC FILTER	786
		2	PUMP GP-FUEL PRM & SEC FILTER	793
SEAL-RING (FUEL, WATER SEPARATOR)	220-8678	1	FILTER GP-WATER SEP & FUEL	717

MAINTENANCE PARTS

DESCRIPTION	PART NUMBER	QTY	WHERE USED	PAGE
LUBRICATION SYSTEM				
CAP AS-ENGINE OIL FILLER	241-5645	1	FILLER GP-ENGINE OIL	424
CAP AS-FILLER (ENGINE OIL)	5L-2952	1	FILLER GP-ENGINE OIL	426
	6N-2985	1	FILLER GP-ENGINE OIL	421
CAP-OIL FILLER (ENGINE)	068-4497	1	FILLER GP-ENGINE OIL	420
		1	FILLER GP-ENGINE OIL	425
	9L-8439	1	FILLER GP-ENGINE OIL	422
		1	FILLER GP-ENGINE OIL	423
FILTER AS-ENGINE OIL (STANDARD EFFICIENCY)	1R-0716	1	FILTER GP-ENGINE OIL	427
		1	FILTER GP-ENGINE OIL	431
FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	1R-1808	1	FILTER GP-ENGINE OIL	429
		1	FILTER GP-ENGINE OIL	432
		1	FILTER GP-ENGINE OIL	433
		1	FILTER GP-ENGINE OIL	435
		1	FILTER GP-ENGINE OIL	436
OPERATOR STATION				
CIRCUIT BREAKER AS (15-AMPERE)	6T-3643	1	PANEL GP-INSTRUMENT	1063
		1	PANEL GP-INSTRUMENT	1075
CIRCUIT BREAKER AS (15-AMPERE) (PANEL)	6T-3643	1	PANEL GP-INSTRUMENT	1055
LAMP (12-VOLT)	8L-9801	3	PANEL GP-INSTRUMENT	1075
LAMP (24-VOLT, 0.2-AMPERE)	7N-5876	3	PANEL GP-INSTRUMENT	1062
LAMP (24-VOLT, 0.2-AMPERE) (DIAGNOSTIC)	7N-5876	3	PANEL GP-INSTRUMENT	1054
LAMP AS-INDICATOR (RED) (MAINTENANCE)	2N-2371	2	PANEL GP-INSTRUMENT	1054
SERVICE EQUIPMENT AND SUPPLIES				
FUSE (5-AMPERE)	2S-6024	1	KIT-FUEL PRIMING PUMP	1090

INDEX

Name	Page
A	
ACTUATOR GP-PUMP	984
ACTUATOR GP-VALVE	17
	18
	19
	20
	21
	22
	23
	24
	25
	26
ADAPTER GP-AIR CLEANER	596
ADAPTER GP-ENGINE TO TMSN	27
ADAPTER GP-FAN	470
	471
	472
	473
ADAPTER GP-FLYWHEEL	28
	29
ADAPTER GP-OIL PAN DRAIN	30
ADAPTER GP-PUMP DRIVE	31
AIR CLEANER GP	597
	598
	600
	601
	602
	604
	605
	606
	607
	608
	609
	610
	611
AIR COMPRESSOR GP	32
	34
	36
	38
	40
	41
	42
	44
	46
	48
	50
	52
	53
	55
ALTERNATOR GP-CHARGING	803
	806
	809
	812
	813
	815
	817
	819
	821
	823
	827
	828
	829
	831
	833
ALTERNATOR GP-CHARGING–24-VOLT, 95-AMPERE	825
AMMETER GP	1029
B	
BASE GP-ENGINE	1022
BASE GP-FUEL FILTER	707
	795
BASE GP-OIL FILTER–ENGINE	416
	417
	418
BASE GP-VALVE COVER & INJ HARN	57
	59
	60
	61
	62
	63
BATTERY (12-VOLT) (DRY)	835
BATTERY GP	835
	836
	837
BATTERY GP (12-VOLT) (DRY)	836
BATTERY GP (12-VOLT, MAINTENANCE FREE, DRY)	837
BELT TENSIONER GP	65
BELT TIGHTENER GP	66
BELT-SERPENTINE	374
BOX GP-INSTRUMENT PANEL	1030
	1031
C	
CABLE GP-BATTERY	838
	839
CAMSHAFT GP	68
	69
	70
CAP AS-ENGINE OIL FILLER	424
CAP AS-FILLER (BATTERY)	837
CAP AS-FILLER (ENGINE OIL)	106
	421
	426
CAP AS-OIL FILLER (ENGINE)	94
CAP AS-RAIN–EXHAUST	613

INDEX

Name	Page
CAP AS-RAIN–EXHAUST PIPE	612
	614
CAP-OIL FILLER (ENGINE)	420
	422
	423
	425
CAP-PRESSURE (7-PSI) (RADIATOR)	542
	581
CARTRIDGE GP-TURBOCHARGER	704
CHART-PLATE & FILM	1089
CIRCUIT BREAKER AS (105-AMPERE)	871
	873
	875
CIRCUIT BREAKER AS (15-AMPERE)	848
	850
	1063
	1075
CIRCUIT BREAKER AS (15-AMPERE) (PANEL)	1055
CIRCUIT BREAKER AS (60-AMPERE)	870
	872
	874
CIRCUIT BREAKER AS (80-AMPERE)	876
CLUTCH GP	71
	74
	76
CONNECTION GP-ELECTRICAL	841
	842
	843
CONNECTION GP-ELECTRICAL–CYLINDER HEAD GROUND	840
CONNECTION GP-EXHAUST	615
	616
	617
	618
	619
CONTROL & MTG GP-ENGINE ELEK	844
	846
	847
CONTROL GP-AUTO START/STOP	848
	850
CONTROL GP-ENGINE MONITORING–DISCRETE INPUT/OUTPUT	1032
CONTROL GP-ENGINE SPEED	852
	853
CONTROL GP-MONITOR (MESSENGER)	1033
CONTROL GP-REMOTE SPEED	854
CONTROL GP-UNPRGMED MONITOR–MESSENGER	1033
CONTROL GP-UNPROGRAMMED (ENGINE)	844
	846
	847
CONVERTER GP-ELECTRICAL	855
	856
COOLANT CONDITIONER GP	474
	475
	476
	478
	481
	483
	485
	486
	487
	489
COOLER GP-FUEL	708
	709
	710
CORE AS (ENGINE OIL COOLER)	515
	517
	519
	521
	523
	525
	527
CORE AS (HEAT EXCHANGER)	509
CORE AS-ENGINE OIL COOLER	511
	513
	529
CORE AS-FUEL COOLER	708
	709
	710
	711
CORE AS-RADIATOR	542
	581
CORE GP-OIL COOLER–TRANSMISSION	491
COVER GP-AIR INLET	620
COVER GP-CYLINDER BLOCK	78
	79
	80
	81
	82
	83
COVER GP-FLYWHEEL HOUSING	84
	85
	86
	87
	88
	89
	90
COVER GP-FRONT HOUSING	91
	92
COVER GP-VALVE MECHANISM	93
	94
	95
	96
	97
	98
	99
	100
	101

INDEX

Name	Page
	102
	103
	104
	105
	106
	107
	108
	109
	110
	111
	112
CRANKSHAFT GP	113
CYLINDER BLOCK AS	114
	115
	116
CYLINDER BLOCK GP	117
	118
	120
	122
	124
CYLINDER HEAD AS	125
	127
	128
	131
CYLINDER HEAD GP	133
	134
	135
	137
	139
	141

D

DAMPER & PULLEY GP	143
	144
	145
DAMPER GP	146
	147
	148
DRAIN GP-ENGINE OIL	149
DRIVE GP-ACCESSORY	150
	151
	152
	153
	154
DRIVE GP-FAN	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
DRIVE GP-POWER TAKE-OFF	175
	177
DRIVE GP-PUMP	179

E

ELBOW GP-AIR INLET	621
	623
	624
ELBOW GP-EXHAUST	625
	626
	627
	628
ELBOW-EXHAUST	629
	630
	631
ENGINE AR-COMPLETE	1
ENGINE AR-CORE	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
ENGINE BRAKE GP	180
	181
	182

F

FAN GP-BLOWER	492
	493
	494
FAN GP-SUCTION	495
	496
	497
	498
FASTENER GP	192
FASTENER GP-ALTERNATOR	183
FASTENER GP-CYLINDER HEAD	135
	137
	141
FASTENER GP-ENGINE	184
	185
FASTENER GP-ENGINE WIRING	858
	859
	860
FASTENER GP-FLYWHEEL HOUSING	186

INDEX

Name	Page
	187
FASTENER GP-FRONT COVER	188
	189
	190
	191
FASTENER GP-FRONT HOUSING	193
	194
	195
FASTENER GP-FRONT HOUSING–WITH AND WITHOUT SOUND PANEL	196
FASTENER GP-FRONT HOUSING–WITHOUT SOUND PANEL	197
FASTENER GP-FUEL LINES	712
	713
FASTENER GP-OIL COOLER–ENGINE	499
	500
FASTENER GP-OIL PAN	198
	199
	200
FASTENER GP-OIL PUMP MOUNTING–ENGINE	419
FASTENER GP-SOUND SUPPRESSION	201
	202
FASTENER GP-VALVE MECHANISM	203
	204
FASTENER GP-WATER LINES	501
FASTENER GP-WATER PUMP	502
	503
FASTENER GP-WIRING HARNESS	857
FILLER GP-ENGINE OIL	420
	421
	422
	423
	424
	425
	426
FILM (INSTRUMENT PANEL)	1055
FILM-CONTROL PANEL	848
	850
FILM-GAUGE IDENTIFICATION (AMMETER)	1029
FILM-GAUGE IDENTIFICATION (VOLTMETER)	1085
	1086
FILM-IDENTIFICATION (CATERPILLAR)	855
FILM-IDENTIFICATION (ENGINE OIL PRESSURE)	1049
	1051
FILM-IDENTIFICATION (ENGINE OIL TEMPERATURE)	1049
	1051
FILM-IDENTIFICATION (FUEL PRESSURE)	1049
	1051
FILM-IDENTIFICATION (JACKET WATER TEMPERATURE)	1049
	1051
FILM-INFORMATION (AIR CLEANER)	601
FILM-INSTRUMENT	1075
FILM-INSTRUMENT (PANEL)	1062
FILTER AS-COOLANT CONDITIONER	504
	505
FILTER AS-ENGINE OIL (STANDARD EFFICIENCY)	427
	431
FILTER AS-WATER SEP & FUEL (PRIMARY)	717
	719
FILTER ELEMENT AS-AIR (PRIMARY)	601
	604
FILTER ELEMENT AS-AIR (SECONDARY)	601
	604
FILTER ELEMENT-FUEL (PRIMARY)	714
FILTER GP-ENGINE OIL	427
	429
	431
	432
	433
	435
	436
FILTER GP-FUEL	714
	715
	716
FILTER GP-WATER SEP & FUEL	717
	718
	719
	720
FILTER-COOLANT CONDITIONER	476
	504
	505
FILTER-COOLANT CONDITIONER (PRECHARGE)	486
FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	429
	432
	433
	435
	436
FILTER-FUEL (ADVANCED EFFICIENCY)	715
	716
FILTER-FUEL (ADVANCED EFFICIENCY) (SECONDARY)	785
	786
	793
FILTER-SECONDARY	785
	786
	787
	789
	793
FITTING GP-EXHAUST	634
FITTING GP-EXHAUST–FLEXIBLE	632
	633
FITTING GP-FUEL LINES	721

INDEX

Name	Page
	722
FITTING GP-QUICK DISCONNECT	723
FITTING GP-WATER LINES	506
	507
FLANGE GP-EXHAUST	635
	636
	637
	638
FLANGE GP-TMSN OIL COOLER	508
FLYWHEEL GP	205
	206
	207
	208
	209
	210
	211
	212
	213
	214
	215
	216
	217
	218
	219
	220
	221
	222
	223
	224
	225
	226
	227
	228
	229
FUMES DISPOSAL GP	437
	438
	439
FUSE (5-AMPERE)	1090

G

GASKET	932
GASKET (FUEL PRIMING PUMP)	715
	716
	785
	786
	793
GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	440
	444
	445
	446
	447
	450
	453
GAUGE AS-OIL LEVEL (DIPSTICK) (LEFT REAR) (ENGINE)	455
GAUGE AS-OIL LEVEL (DIPSTICK) (RIGHT REAR) (ENGINE)	455
GAUGE AS-PRESSURE (ENGINE OIL)	1049
	1051
GAUGE AS-PRESSURE (FUEL)	1049
	1051
GAUGE GP-COOLANT TEMPERATURE (WATER)	1052
GAUGE GP-COOLANT TEMPERATURE–ENGINE	1034
	1035
GAUGE GP-ENGINE OIL PRESSURE	1036
	1037
GAUGE GP-FUEL PRESSURE	1038
	1039
GAUGE GP-OIL LEVEL (DIPSTICK)–ENGINE	440
	441
	442
	443
	444
	445
	446
	447
	449
GAUGE GP-TEMPERATURE (ENGINE OIL)	1049
	1051
GAUGE GP-TEMPERATURE (JACKET WATER)	1049
	1051
GEAR GP-CAMSHAFT	230
GEAR GP-FRONT	231
GEAR GP-REAR	233
	235
GOVERNOR GP-AIR COMPRESSOR	236
GUARD GP-BELT	238
	239
GUARD GP-DAMPER	241
	242
	243
	245
	247
GUIDE GP-OIL LEVEL GAUGE–ENGINE	450
	451
	452
	453
	454
	455

H

HARNESS AS-CONTROL (ENGINE)	961
HARNESS AS-CONTROL (INSTRUMENT PANEL)	1041

INDEX

Name	Page
HARNESS AS-ENGINE	60, 967, 970, 973
HARNESS AS-ENGINE (INJECTOR, VARIABLE VALVE)	57, 59
HARNESS AS-ENGINE (UNIT INJECTOR)	61
HARNESS AS-PANEL	861, 1054, 1062, 1075
HARNESS AS-POWER	977, 978, 979, 981
HARNESS AS-PUMP (FUEL PRIMING)	783
HARNESS AS-SENSOR	730, 732, 734, 743, 745, 749, 751, 753, 756, 758, 762, 787, 862
HARNESS AS-SENSOR (FUEL FILTER)	725, 727
HARNESS AS-SENSOR (FUEL SENSOR)	737, 747
HARNESS AS-SENSOR (FUEL)	740, 769, 772
HARNESS AS-SENSOR (JUMPER)	760, 765, 789
HARNESS AS-WIRING (ALTERNATOR, STARTING MOTOR)	963
HARNESS AS-WIRING (AUTO START/STOP CONTROL)	848, 850
HARNESS AS-WIRING (BATTERY)	976
HARNESS AS-WIRING (CONTROL PANEL)	965, 982
HARNESS AS-WIRING (DATA LINK)	1054
HARNESS AS-WIRING (SPEED SENSOR)	901
HARNESS AS-WIRING–DATA LINK GAUGES	864
HARNESS AS-WIRING–MARINE ANALOG POWER DISPLAY	864
HEAT EXCHANGER GP-SEA WATER	509, 510
HEATER GP-JACKET WATER	865, 866
HOSE-AIR INLET	639
HOUSING GP-FLYWHEEL	248, 249, 250, 251, 253, 255, 257, 259
HOUSING GP-FRONT	261, 263, 265

I

INDICATOR AS (ENGINE OIL PRESSURE)	1052
INDICATOR AS (FUEL PRESSURE)	1052
INDICATOR AS (VOLTMETER)	1085, 1086
INDICATOR GP-AIR FILTER CHANGE	598, 600
INDICATOR GP-AIR FILTER CHANGE (CLEANER)	602
INDICATOR GP-AIR FILTER CHANGE (ENGINE)	597
INDICATOR-AIR FILTER CHANGE	606, 607, 608, 609, 610, 611
INJECTOR GP-FUEL	778, 779, 780, 782

K

KIT-CRANKSHAFT BEARING	267
KIT-EXHAUST PARTS	640
KIT-FUEL PRIMING PUMP	1090
KIT-GASKET (AIR COMPRESSOR HEAD)	41
KIT-GASKET (AIR COMPRESSOR)	36, 38
KIT-GASKET–AIR INLET MANIFOLD	1091
KIT-RECEPTACLE (2-PIN)	967, 973, 1058
KIT-SEAL (AIR COMPRESSOR)	36, 38, 41
KIT-SEAL (AIR MOTOR LUBRICATOR)	867
KIT-UNLOADER (AIR COMPRESSOR)	36

INDEX

Name	Page
	38
	41
L	
LAMP (12-VOLT)	850
	1075
LAMP (24-VOLT, 0.2-AMPERE)	848
	1062
LAMP (24-VOLT, 0.2-AMPERE) (DIAGNOSTIC)	1054
LAMP AS-INDICATOR (RED)	848
	850
LAMP AS-INDICATOR (RED) (MAINTENANCE)	1054
LIFTING GP-ENGINE	268
	269
	270
	271
	272
	273
LINES GP-AIR	646
	649
	651
	654
	656
	658
LINES GP-AIR–AFTERCOOLER	645
LINES GP-AIR COMPRESSOR	274
	275
	276
LINES GP-AIR–TURBOCHARGER OUTLET	641
	642
	643
	644
	648
LINES GP-ENGINE OIL	456
	457
	458
	459
	460
	461
	462
LINES GP-FLEXIBLE FUEL	724
LINES GP-FUEL	725
	727
LINES GP-FUEL FILTER	729
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760
	762
	765
LINES GP-FUEL FILTER–HIGH MOUNT	772
LINES GP-FUEL FILTER–LOW MOUNT	769
LINES GP-OIL–ENGINE	463
LINES GP-TURBOCHARGER	661
LINES GP-TURBOCHARGER OIL	464
	465
	466
LINES GP-WATER	511
	513
	515
	517
	519
	521
	523
	525
	527
	529
LUBRICATOR GP-AIR MOTOR	867
M	
MANIFOLD GP-EXHAUST	663
	664
	665
MANIFOLD GP-FUEL	774
	775
MECHANISM GP-FUEL PUMP & VALVE	277
	278
	279
	280
	281
	282
	283
MODULE GP-DISPLAY–MESSENGER	1040
MODULE GP-INTERFACE	868
	869
	1054
	1075
MODULE GP-INTERFACE (INSTRUMENT PANEL)	1063
MOUNTING AS-VIBRATION ISOLATOR–HYDRAULIC TANK	1023
MOUNTING GP-AIR COMPRESSOR	284
	285
MOUNTING GP-ALTERNATOR	286
	287
	289

INDEX

Name	Page
	290
	292
	293
	294
	296
	297
	299
	300
	301
	303
	305
	307
MOUNTING GP-ALTERNATOR & COMPR	308
MOUNTING GP-CIRCUIT BREAKER	870
	871
	872
	873
	874
	875
	876
MOUNTING GP-INSTRUMENT PANEL	1041
	1043
	1045
	1047
MOUNTING GP-JACKET WTR HEATER	877
MOUNTING GP-OIL LEVEL GAUGE	468
MOUNTING GP-PUMP	985
	986
	1026
MOUNTING GP-REFRIGERANT COMPR	310
MOUNTING GP-SENSOR	879
	880
MOUNTING GP-TACHOMETER	1048
MUFFLER	666
MUFFLER GP	667
	668
MUFFLER GP-SPARK ARRESTOR	669

P

PAN GP-OIL–ENGINE	311
	312
	314
	315
	317
	319
	321
	323
	327
	329
PAN GP-OIL–REAR SUMP	325
PANEL GP-INSTRUMENT	1049
	1051
	1052
	1054
	1058
	1060
	1062
	1065
	1067
	1070
	1073
	1075
PANEL GP-SOUND SUPPRESSION	1024
PANEL GP-SOUND SUPPRESSION–FRONT HOUSING	1025
PIPE GP-EXHAUST	670
	671
	672
PISTON & ROD GP	330
	332
	334
	336
	338
	340
	342
	344
	346
PLATE GP-IDENTIFICATION	1092
	1093
PLATE-IDENTIFICATION (CAT C15 ACERT)	1092
PLUG GP-CYLINDER BLOCK	348
	349
	350
	351
	352
PLUG GP-CYLINDER HEAD	353
	354
PLUG GP-ENGINE	355
	356
	357
	358
PLUG GP-FLYWHEEL HOUSING	359
	360
PLUG GP-INSTRUMENT PANEL	1078
	1079
	1080
PLUG GP-OIL PAN–ENGINE	361
	362
	363
	364
PLUG GP-WATER LINES	532
	533
	534
	535
	536
	537
	538
	539
PLUG-DRAIN (ENGINE OIL PAN)	311

INDEX

Name	Page
	312
	314
	315
	317
	319
	321
	323
	325
	327
	362
	363
	364
PLUG-DRAIN (HEAT EXCHANGER)	509
PLUG-PIPE	511
	513
POWER TAKE-OFF GP	365
	366
	367
POWER TAKE-OFF GP–REAR	368
PRECLEANER GP	674
	676
PRECLEANER GP–AIR CLEANER	673
	675
PULLEY GP–FAN DRIVE	369
PULLEY GP-AUXILIARY DRIVE	370
	371
PULLEY GP-CRANKSHAFT	372
	373
PULLEY GP-ENGINE	374
PUMP & MTG GP-FUEL TRANSFER–REAR	776
	777
PUMP & MTG GP-HYDRAULIC	987
	988
	989
	990
	991
	992
	993
	994
	995
	996
PUMP GP-CHARGE	1027
	1028
PUMP GP-ENGINE OIL	469
PUMP GP-FUEL INJECTION	778
	779
	780
	781
	782
PUMP GP-FUEL PRM & PRIM FILTER	783
PUMP GP-FUEL PRM & SEC FILTER	785
	786
	787
	789
	793
PUMP GP-FUEL PRM & WATER SEP	794
	795
PUMP GP-FUEL TRANSFER	776
PUMP GP-GEAR	375
	376
	377
PUMP GP-GEROTOR (CHARGE)	999
	1010
PUMP GP-HYDRAULIC	997
	999
	1004
	1007
PUMP GP-PISTON–SLIPPER	1010
	1014
PUMP GP-WATER	540
	541

R

RADIATOR GP	542
	544
	547
	548
	549
	551
	553
	556
	560
	564
	568
	571
	575
	578
	581
	583
	586
	589
	592
REGULATOR AS-VOLTAGE (12-VOLT) (ALTERNATOR)	817
REGULATOR AS-VOLTAGE (24-VOLT)	815
REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	803
	806
	809
	813
	819
	821
	823
	825
	829
	831
	833
REGULATOR-WATER TEMPERATURE (98-DEG C)	513

INDEX

Name	Page
	515
	517
	519
	521
	523
	525
REGULATOR-WATER TEMPERATURE (98-DEG C) (COOLANT)	511
	527
	529
RELAY AS (24-VOLT) (STARTING AID)	913
ROCKER ARM GP	378
	380
	381
	382
	383
	389
ROCKER ARM GP–EXHAUST	385
	388
ROCKER ARM GP–INTAKE	386
ROCKER ARM GP–NON-BRAKE	387
ROCKER ARM GP–UNIT INJECTOR	384
ROD AS-ZINC (HEAT EXCHANGER)	509
ROTATING GP-PUMP	1016
	1017
	1018
	1019

S

SEAL (TEMPERATURE REGULATOR HOUSING)	511
	513
	515
	517
	519
	521
	523
	525
	527
SEAL (TEMPERATURE REGULATOR)	529
SEAL GP-CRANKSHAFT–FRONT	392
SEAL GP-CRANKSHAFT–REAR	390
	391
SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	529
SEAL-RING (FUEL, WATER SEPARATOR)	717
SEAL-VALVE COVER	93
	94
	95
	97
	98
	105
	106
	107
	112
SENSOR AS-TEMPERATURE	909
SENSOR GP-COOLANT LEVEL	881
SENSOR GP-ENGINE	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	882
	884
SENSOR GP-LIQUID LEVEL	886
	887
SENSOR GP-LIQUID LEVEL–ENGINE OIL	888
SENSOR GP-POSITION	889
SENSOR GP-POSITION (ROTARY) (ENGINE SPEED)	852
SENSOR GP-PRESSURE	891
	892
	893
	894
	895
	896
SENSOR GP-PRESSURE (AIR INLET MANIFOLD)	882
	884
SENSOR GP-PRESSURE (ATMOSPHERIC AIR)	882
	884
SENSOR GP-PRESSURE (ENGINE OIL)	882
	884
SENSOR GP-PRESSURE (FUEL)	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760

INDEX

Name	Page
	762
	765
	769
	772
	787
	789
SENSOR GP-PRESSURE–	
ENGINE OIL, FUEL	890
SENSOR GP-SPEED	898
	899
	900
	901
	902
	903
	904
SENSOR GP-SPEED (FLYWHEEL)	904
SENSOR GP-SPEED (TIMING, CAMSHAFT)	882
	884
SENSOR GP-SPEED–ENGINE	897
SENSOR GP-TEMPERATURE	905
	906
	907
	908
	909
	910
	911
SENSOR GP-TEMPERATURE (FUEL)	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	756
	760
	765
	769
	772
	787
	789
SENSOR GP-TEMPERATURE	
(INTAKE AIR MANIFOLD)	753
	758
	762
	882
SENSOR GP-TEMPERATURE	
(WATER COOLANT)	882
SHIELD GP-HEAT	677
	678
SHIELD GP-MANIFOLD	679
	680
SHUTOFF GP-AIR	681
	685
	687
	689
SHUTOFF GP-AIR–12-VOLT	683
SHUTOFF GP-MANUAL	796
SILENCER-AIR STARTING	912
SOLENOID AS	1004
	1014
SOLENOID AS (24-VOLT)	
(AIR INLET SHUTOFF)	681
	685
	689
SOLENOID AS-STARTING MOTOR (24-VOLT)	930
	940
	948
SOLENOID-SHUTOFF (12-VOLT) (AIR INLET)	683
	687
STARTING AID GP-ETHER	913
	914
	915
STARTING MOTOR GP-AIR	916
	918
	920
	922
	924
	926
STARTING MOTOR GP-ELECTRIC	928
	929
	932
	933
	934
	935
	936
	937
	938
	940
	943
	945
	947
SUPPORT GP-BATTERY	950
SUPPORT GP-ENGINE	395
	396
	397
	398
	399
	400
	401
	402
	403
SUPPORT GP-ENGINE–FRONT	394
SUPPORT GP-ENGINE–REAR	393
SUPPORT GP-POWER TAKE-OFF	404
	405

INDEX

Name	Page
SWITCH (PUSH BUTTON) (MAINTENANCE CLEAR)	1054
SWITCH AS-LIQUID LEVEL (ENGINE OIL)	327 888
SWITCH AS-PUSH BUTTON (EMERGENCY STOP)	1075
SWITCH AS-PUSH BUTTON (ENGINE SHUTDOWN)	1062
SWITCH AS-PUSH BUTTON (MAINTENANCE CLEAR)	1062 1075
SWITCH AS-PUSH BUTTON (SECONDARY STOP)	848 850
SWITCH AS-PUSH BUTTON (SHUTDOWN)	1054
SWITCH AS-TOGGLE (IDLE, HIGH, LOW)	1062 1075
SWITCH AS-TOGGLE (MOMENTARY) (HI/LOW IDLE)	1055
SWITCH AS-TOGGLE (MOMENTARY) (SPEED CONTROL)	848 850
SWITCH AS-TOGGLE (PRIMING PUMP)(ON/OFF)	1090
SWITCH GP-MAGNETIC	952 953
SWITCH GP-MAGNETIC (12-VOLT) (AIR SHUTOFF)	683 687
SWITCH GP-MAGNETIC–AIR SHUTOFF	951
SWITCH GP-REMOTE STARTING	954
SWITCH GP-START	1075
SWITCH GP-START (IGNITION)	848 850 1055
SWITCH GP-START (KEY)	1063
SWITCH GP-START–REMOTE	955
SWITCH GP-TOGGLE	956

T

Name	Page
TACHOMETER GP (ELECTRONIC)	1081
TACHOMETER GP-ELECTRIC	1081 1082 1083
TRUNNION GP-ENGINE	406
TURBOCHARGER GP	691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706

V

Name	Page
V-BELT (ALTERNATOR)	286 287 289 290 292 293 294 296 299 301 307 414
V-BELT (FAN DRIVE)	409 415
V-BELT (INCLUDES 4-BELTS)	413
V-BELT SET	411 413
V-BELT SET (INCLUDES 2-BELTS) (ALTERNATOR)	300 303 305
V-BELT SET (INCLUDES 3-BELTS) (FAN DRIVE)	163 165
V-BELT SET (INCLUDES 4-BELTS) (FAN DRIVE)	167
V-BELT SET–2 BELTS	408
V-BELT SET–INCLUDES 3-BELTS	414
V-BELT SET– INCLUDES 3-BELTS, FAN DRIVE	407 409
V-BELT SET–INCLUDES 4-BELTS	412 415
V-BELT SET– INCLUDES 4-BELTS, FAN DRIVE	407 409 410
VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	36 38 40 41 46 48 52

INDEX

Name	Page
	53
VALVE AS-SOLENOID (HYDRAULIC PUMP CONTROL)	1020
VALVE GP-AIR STARTING	957
VALVE GP-CHECK	181
	182
VALVE GP-CHECK (FUEL)	707
VALVE GP-CHECK–FUEL	797
	798
	799
	800
VALVE GP-ETHER STARTING	959
VALVE GP-ETHER STARTING–12-VOLT	960
VALVE GP-FUEL BYPASS–FILTER	801
VALVE GP-PUMP CONTROL (HYDRAULIC)	1004
	1014
VALVE GP-PUMP CONTROL (PRESSURE COMPENSATOR)	1007
VALVE GP-PUMP CONTROL–PRESSURE, FLOW COMPENSATOR	1021
VALVE GP-PUMP CONTROL–PROPEL	1020
VALVE GP-RELIEF–CHARGE PRESSURE	802
VALVE MECHANISM	279
VALVE-MANUAL	595
VOLTMETER GP	1084
	1085
	1086
	1087
	1088

W

WATER SEP & FUEL PRM PUMP GP	794
	795
WIRING GP-ELECTRONIC CONTROL	961
WIRING GP-ENGINE	963
	966
	967
	970
	973
	976
WIRING GP-ENGINE ELECTRONIC	977
	978
	979
	981
WIRING GP-ENGINE–REMOTE MOUNTED ECM	965
WIRING GP-SENSOR–CONTROL PANEL	982
WIRING GP-UNIT INJECTOR	983

MEMORANDA

ENGINE ARRANGEMENT

332-6562 ENGINE AR-COMPLETE

328 BRAKE KW (440 BHP) AT 2100 RPM
AN ATTACHMENT

SMCS-1000 **i03649720**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*159-9107*	1	CONNECTION GP-ELECTRICAL (CYLINDER HEAD GROUND)	840
Y	*200-2310*	1	CONNECTION GP-ELECTRICAL	841
Y	*257-7276*	1	CONNECTION GP-EXHAUST	619
Y	*236-1780*	1	CONTROL & MTG GP-ENGINE ELEK	844
Y	*255-4652*	1	COOLANT CONDITIONER GP	481
Y	*256-0361*	1	COOLANT CONDITIONER GP	486
Y	*260-1548*	1	COOLER GP-FUEL	709
Y	*107-6736*	1	COVER GP-CYLINDER BLOCK (TURBOCHARGER DRAIN COVER)	78
Y	*107-6737*	1	COVER GP-CYLINDER BLOCK	79
Y	*140-9746*	1	COVER GP-CYLINDER BLOCK	80
Y	*9N-3889*	1	COVER GP-FLYWHEEL HOUSING	84
Y	*127-5728*	1	COVER GP-FLYWHEEL HOUSING	85
Y	*133-3089*	1	COVER GP-FLYWHEEL HOUSING	86
Y	*120-9847*	1	COVER GP-FRONT HOUSING	91
Y	*159-6159*	1	COVER GP-FRONT HOUSING (CAM, IDLER GEAR)	92
Y	*239-4112*	1	COVER GP-VALVE MECHANISM	108
			S/N: JRE1-10754	
Y	*187-2701*	1	COVER GP-VALVE MECHANISM	102
			S/N: JRE10755-UP	
Y	*4P-5532*	1	DAMPER & PULLEY GP	143
Y	*262-2765*	1	DRIVE GP-ACCESSORY	154
Y	*7N-6351*	1	ELBOW GP-EXHAUST	627
YR	*254-3832*	1	ENGINE AR-CORE	4
Y	*172-7120*	1	FASTENER GP-ENGINE	185
Y	*238-9384*	1	FASTENER GP-WIRING HARNESS	858
Y	*285-0028*	1	FASTENER GP-WIRING HARNESS	859
Y	*286-9120*	1	FASTENER GP-WIRING HARNESS	860
Y	*180-4367*	1	FASTENER GP-FRONT COVER	188
Y	*227-9864*	1	FASTENER GP-FRONT COVER	189
Y	*282-6846*	1	FASTENER GP-FRONT COVER	190
Y	*285-8628*	1	FASTENER GP-FRONT COVER	191
Y	*108-9382*	1	FASTENER GP-FRONT HOUSING	194
Y	*229-9965*	1	FASTENER GP-FRONT HOUSING (TOP)	196
Y	*229-9966*	1	FASTENER GP-FRONT HOUSING (BOTTOM)	197
Y	*141-8953*	1	FASTENER GP-FUEL LINES	712
Y	*160-8329*	1	FASTENER GP-OIL PAN	199
Y	*109-1657*	1	FASTENER GP-VALVE MECHANISM	203
Y	*200-2852*	1	FASTENER GP-WATER LINES	501
Y	*109-2373*	1	FASTENER GP-WATER PUMP	502
Y	*255-9248*	1	FASTENER GP-WATER PUMP	503
Y	*263-2186*	1	FILTER GP-ENGINE OIL	433
Y	*212-9431*	1	FILTER GP-WATER SEP & FUEL	718
Y	*2W-7847*	1	FITTING GP-EXHAUST	633
Y	*201-6631*	1	FITTING GP-FUEL LINES (SUPPLY)	721
Y	*256-0370*	1	FITTING GP-FUEL LINES (SUPPLY)	722
Y	*108-2312*	1	FITTING GP-QUICK DISCONNECT	723
Y	*2W-7863*	1	FLANGE GP-EXHAUST	637
Y	*159-9362*	1	FUMES DISPOSAL GP	437
Y	*187-0673*	1	GUIDE GP-OIL LEVEL GAUGE	451
Y	*135-7634*	1	HOUSING GP-FLYWHEEL	250
Y	*269-2509*	1	HOUSING GP-FRONT	263
Y	*111-2088*	1	LIFTING GP-ENGINE (REAR)	269
Y	*127-0564*	1	LIFTING GP-ENGINE	271
Y	*126-0081*	1	LINES GP-AIR (TURBOCHARGER OUTLET)	643

ENGINE ARRANGEMENT

332-6562 **ENGINE AR-COMPLETE** *(contd.)* **i03649720**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*114-1926*	1	LINES GP-ENGINE OIL	458
Y	*267-3482*	1	LINES GP-FLEXIBLE FUEL	724
Y	*255-0656*	1	LINES GP-FUEL FILTER	749
Y	*212-1487*	1	LINES GP-TURBOCHARGER OIL	464
Y	*255-9245*	1	LINES GP-WATER	515
Y	*237-4291*	1	MANIFOLD GP-EXHAUST	664
Y	**191-0583**	1	MANIFOLD GP-FUEL	774
Y	*186-3652*	1	MOUNTING GP-ALTERNATOR	299
Y	*194-3967*	1	MOUNTING GP-SENSOR	880
Y	*160-8328*	1	PAN GP-OIL	317
Y	*234-9706*	1	PLUG GP-CYLINDER BLOCK	350
Y	*247-8211*	1	PLUG GP-CYLINDER BLOCK	351
Y	*234-9184*	1	PLUG GP-CYLINDER HEAD (ACERT)	354
Y	*234-9776*	1	PLUG GP-ENGINE	356
Y	*135-8015*	1	PLUG GP-FLYWHEEL HOUSING	359
Y	*255-9251*	1	PLUG GP-WATER LINES	537
Y	*255-9252*	1	PLUG GP-WATER LINES	538
Y	*311-1441*	1	PLUG GP-WATER LINES	539
Y	*150-4279*	1	PUMP & MTG GP-FUEL TRANSFER	776
Y	*191-5054*	1	PUMP GP-FUEL PRM & SEC FILTER	785
Y	**161-9932**	1	SENSOR GP-PRESSURE	890
Y	*229-9985*	1	SENSOR GP-TEMPERATURE	908
Y	*275-3979*	1	SHIELD GP-HEAT	677
Y	*124-0657*	1	SHIELD GP-MANIFOLD	679
Y	*119-7557*	1	SHUTOFF GP-AIR	681
Y	**4N-4286**	1	SUPPORT GP-ENGINE	393
Y	*135-4326*	1	SUPPORT GP-ENGINE	398
Y	*227-9495*	1	SUPPORT GP-ENGINE (BRACE)	401
Y	*252-9659*	1	TURBOCHARGER GP	700
Y	*264-2352*	1	WIRING GP-ELECTRONIC CONTROL	961
Y	*237-4294*	1	WIRING GP-ENGINE	967
Y	*263-7214*	1	WIRING GP-ENGINE	976
			PLEASE USE THE GASKET KIT LINK IN SIS OR CONTACT YOUR LOCAL DEALER FOR THE LATEST GASKET KIT INFORMATION	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

241-0020 ENGINE AR-CORE

S/N: JRE106-UP

403 BRAKE KW (540 BHP) AT 2100 RPM. ADEM-4, REAR EXHAUST

SMCS-1000 **i03453584**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*234-5005*	1	BASE GP-VALVE COVER & INJ HARN	57
			S/N: JRE106-878, 2682-4360	
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
			S/N: JRE879-2681, 4361-UP	
Y	*234-7935*	1	CAMSHAFT GP	68
			S/N: JRE106-7498	
Y	*314-9614*	1	CAMSHAFT GP	70
			S/N: JRE7499-UP	
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*148-7482*	1	MECHANISM GP-FUEL PUMP & VALVE	277
			S/N: JRE106-1268	
Y	*266-3699*	1	MECHANISM GP-FUEL PUMP & VALVE	282
			S/N: JRE2682-4360	
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
			S/N: JRE1269-2681, 4361-UP	
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	339-0022	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

254-3832 ENGINE AR-CORE*R

S/N: JRE151-UP
328 BRAKE KW (440 BHP) AT 2100 RPM. ADEM-4, REAR EXHAUST
ALSO AN ATTACHMENT

SMCS-1000 **i03568148**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*234-5005*	1	BASE GP-VALVE COVER & INJ HARN	57
			S/N: JRE151-875, 2682-4360	
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
			S/N: JRE876-2681, 4361-UP	
Y	*234-7935*	1	CAMSHAFT GP	68
			S/N: JRE151-7500	
Y	*314-9614*	1	CAMSHAFT GP	70
			S/N: JRE7501-UP	
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*148-7482*	1	MECHANISM GP-FUEL PUMP & VALVE	277
			S/N: JRE151-1268	
Y	*266-3699*	1	MECHANISM GP-FUEL PUMP & VALVE	282
			S/N: JRE2682-4360	
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
			S/N: JRE1269-2681, 4361-UP	
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	341-3883	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

254-3835 ENGINE AR-CORE*R

S/N: JRE109-UP

403/433/444 BRAKE KW (540/580/595 BHP) AT 2100 RPM

SMCS-1000 **i03627115**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*234-5005*	1	BASE GP-VALVE COVER & INJ HARN	57
			S/N: JRE109-876	
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
			S/N: JRE877-UP	
Y	*243-0551*	1	CAMSHAFT GP	69
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
			S/N: JRE109-7659	
Y	*314-7316*	1	CYLINDER HEAD GP	141
			S/N: JRE7660-UP	
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*148-7482*	1	MECHANISM GP-FUEL PUMP & VALVE	277
			S/N: JRE109-1269	
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
			S/N: JRE1270-UP	
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1402*	6	PUMP GP-FUEL INJECTION	780
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	240-9682	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

254-3838 ENGINE AR-CORE

S/N: JRE518-522

395 BRAKE KW (529 BHP) AT 2100 RPM. NEW HOLLAND FORAGER HARVESTER

SMCS-1000 **i02118993**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*234-5005*	1	BASE GP-VALVE COVER & INJ HARN	57
Y	*234-7935*	1	CAMSHAFT GP	68
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
Y	*148-7482*	1	MECHANISM GP-FUEL PUMP & VALVE	277
	254-7439	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

300-4940 ENGINE AR-CORE

S/N: JRE4361-UP
354 BRAKE KW (475 BHP) AT 2100 RPM
AN ATTACHMENT

SMCS-1000 **i03453585**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*234-5005*	1	BASE GP-VALVE COVER & INJ HARN	57
Y	*234-7935*	1	CAMSHAFT GP	68
			S/N: JRE4361-7508	
Y	*314-9614*	1	CAMSHAFT GP	70
			S/N: JRE7509-UP	
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*266-3699*	1	MECHANISM GP-FUEL PUMP & VALVE	282
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	339-0022	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

300-4941 ENGINE AR-CORE

S/N: JRE4361-UP
328 BRAKE KW (440 BHP) AT 2100 RPM
AN ATTACHMENT

SMCS-1000 **i03041942**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*234-5005*	1	BASE GP-VALVE COVER & INJ HARN	57
Y	*234-7935*	1	CAMSHAFT GP	68
			S/N: JRE4361-7494	
Y	*314-9614*	1	CAMSHAFT GP	70
			S/N: JRE7495-UP	
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*266-3699*	1	MECHANISM GP-FUEL PUMP & VALVE	282
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	254-7435	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

304-9463 ENGINE AR-CORE

403 BRAKE KW (540 BHP)AT 1400 RPM
AN ATTACHMENT

SMCS-1000 **i02728674**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
Y	*243-0551*	1	CAMSHAFT GP	69
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
Y	*229-2863*	6	PISTON & ROD GP	330
YR	*161-4113*	1	PUMP GP-ENGINE OIL	469
Y	*235-1402*	6	PUMP GP-FUEL INJECTION	780
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
Y	*242-3492*	1	TURBOCHARGER GP	695
	309-1860	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

309-8628 ENGINE AR-CORE

424 BRAKE KW (348 BHP) AT 1800 RPM, 479 BRAKE KW (393 BHP) AT 1800 RPM, 532 BRAKE KW (438 BHP) AT 1800 RPM

SMCS-1000 **i03649706**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
Y	*243-0551*	1	CAMSHAFT GP	69
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*314-7316*	1	CYLINDER HEAD GP	141
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*109-1657*	1	FASTENER GP-VALVE MECHANISM	203
			S/N: JRE1-10573	
Y	*335-2317*	1	FASTENER GP-VALVE MECHANISM	204
			S/N: JRE10574-UP	
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
Y	*252-0652*	6	PISTON & ROD GP	346
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1403*	6	PUMP GP-FUEL INJECTION	782
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
Y	*284-2776*	1	TURBOCHARGER GP	703
	318-1900	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

309-8629 ENGINE AR-CORE

587 BRAKE KW (471 BHP) AT 1800 RPM

SMCS-1000 **i03563146**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
Y	*243-0551*	1	CAMSHAFT GP	69
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*314-7316*	1	CYLINDER HEAD GP	141
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*109-1657*	1	FASTENER GP-VALVE MECHANISM	203
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
Y	*252-0652*	6	PISTON & ROD GP	346
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1403*	6	PUMP GP-FUEL INJECTION	782
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
Y	*284-2776*	1	TURBOCHARGER GP	703
	318-1902	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

327-1013 ENGINE AR-CORE

S/N: JRE8106-UP

354 BRAKE KW (475 BHP) AT 2100 RPM. ADEM-4, WITHOUT BRAKE

SMCS-1000 **i03453586**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
Y	*314-9614*	1	CAMSHAFT GP	70
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	339-0022	1	ELECTRONICS GP-ENGINE RATINGS	
			PLEASE USE THE GASKET KIT LINK IN SIS OR CONTACT YOUR LOCAL DEALER FOR THE LATEST GASKET KIT INFORMATION	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

327-1014 ENGINE AR-CORE*R

403/433/444 BRAKE KW (540/580/595 BHP) AT 2100 RPM

SMCS-1000 **i03553340**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
Y	*243-0551*	1	CAMSHAFT GP	69
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*314-7316*	1	CYLINDER HEAD GP	141
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1402*	6	PUMP GP-FUEL INJECTION	780
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	240-9682	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

327-2107 ENGINE AR-CORE

S/N: JRE9895-UP

354 BRAKE KW (475 BHP) AT 2100 RPM

SMCS-1000 **i03559800**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*234-5005*	1	BASE GP-VALVE COVER & INJ HARN	57
Y	*314-9614*	1	CAMSHAFT GP	70
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*266-3699*	1	MECHANISM GP-FUEL PUMP & VALVE	282
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	339-0022	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

344-2359 ENGINE AR-CORE

S/N: JRE10661-UP

328 BRAKE KW (440 BHP) AT 2100 RPM

SMCS-1000 **i03644409**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*278-5662*	1	BASE GP-VALVE COVER & INJ HARN	61
Y	*314-9614*	1	CAMSHAFT GP	70
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*234-9185*	1	CYLINDER HEAD GP	135
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*190-0009*	1	MECHANISM GP-FUEL PUMP & VALVE	279
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1401*	6	PUMP GP-FUEL INJECTION	778
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	341-3883	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

ENGINE ARRANGEMENT

346-1612 ENGINE AR-CORE

403 BRAKE KW (540 BHP) AT 2100 RPM, C TIER,
433 BRAKE KW (580 BHP) AT 2100 RPM, D TIER,
444 BRAKE KW (595 BHP) AT 2100 RPM, E TIER

SMCS-1000 **i03627542**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*344-6077*	1	BASE GP-VALVE COVER & INJ HARN	63
Y	*243-0551*	1	CAMSHAFT GP	69
Y	*223-9731*	1	CRANKSHAFT GP	113
Y	*223-9252*	1	CYLINDER BLOCK GP	118
Y	*314-7316*	1	CYLINDER HEAD GP	141
Y	*6I-3638*	1	DRIVE GP-PUMP	179
Y	*4P-6846*	1	FASTENER GP-FRONT HOUSING	193
Y	*4N-2481*	1	FASTENER GP-OIL PUMP MOUNTING	419
Y	*208-9490*	1	GEAR GP-FRONT	231
Y	*266-3699*	1	MECHANISM GP-FUEL PUMP & VALVE	282
Y	*229-2863*	6	PISTON & ROD GP	330
YR	**161-4113**	1	PUMP GP-ENGINE OIL	469
Y	*235-1402*	6	PUMP GP-FUEL INJECTION	780
Y	*174-5986*	1	PUMP GP-WATER	541
Y	*231-1973*	1	SENSOR GP-ENGINE	882
	240-9682	1	ELECTRONICS GP-ENGINE RATINGS	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

BASIC ENGINE

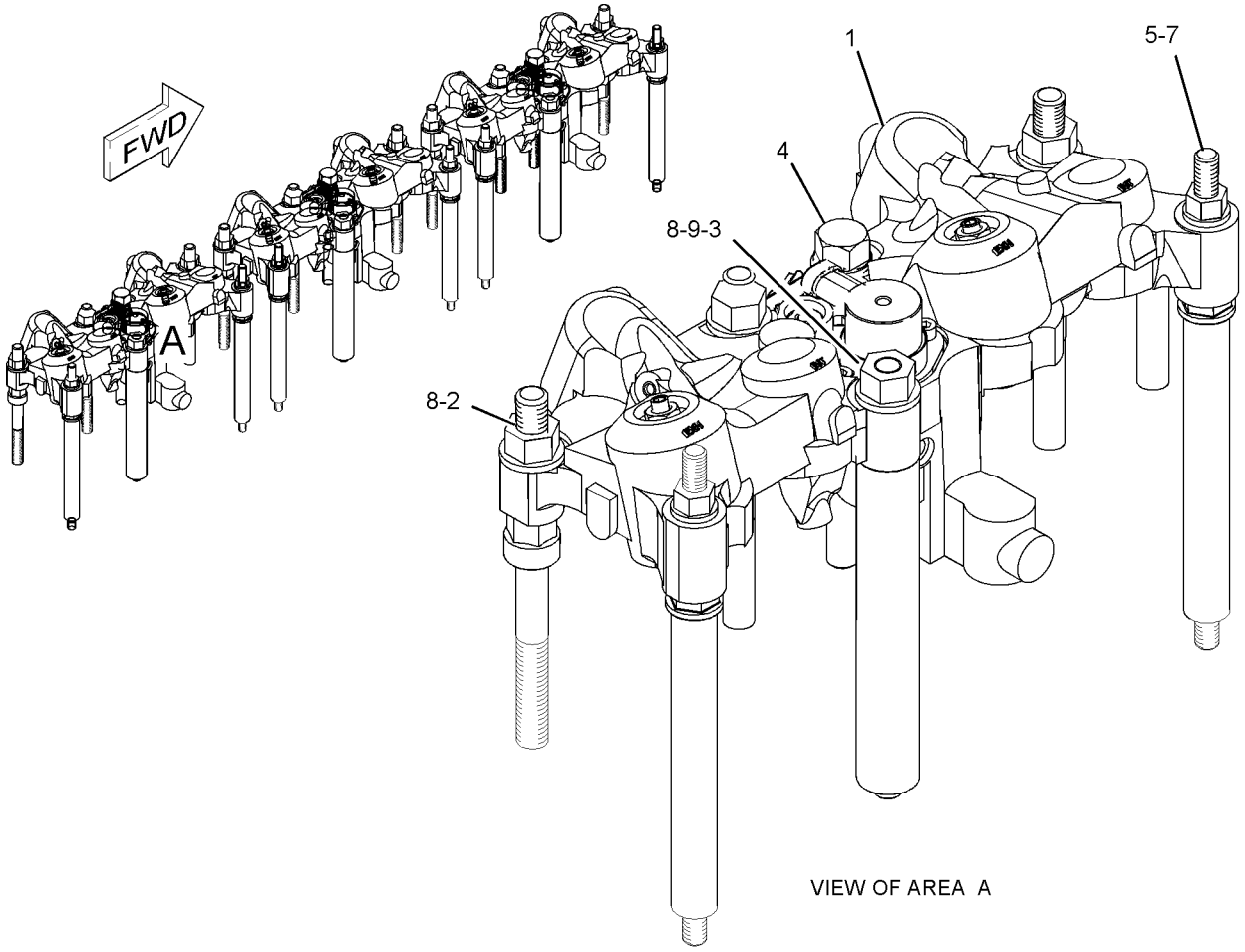
233-7245 ACTUATOR GP-VALVE

S/N: JRE1-3942
24-VOLT. EXHAUST
AN ATTACHMENT

SMCS-1130 **i02796707**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**239-9624**	3	ENGINE BRAKE GP	180
	2	1	**288-4109**	9	STUD-SPECIAL (COMPRESSION BRAKE)	
	3	1	**234-9505**	3	SUPPORT	
	4	1	**234-9508**	3	BOLT (1/2-13X5.65-IN)	
	5	1	**235-0658**	6	STUD	
	7	1	**235-1088**	6	NUT (3/8-16-THD)	
	8	1	**235-1089**	12	NUT-FLANGE (1/2-13-THD)	
	9	1	**8T-7062**	3	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



VIEW OF AREA A

GRAPHIC #1 **<END>** g01089483

BASIC ENGINE

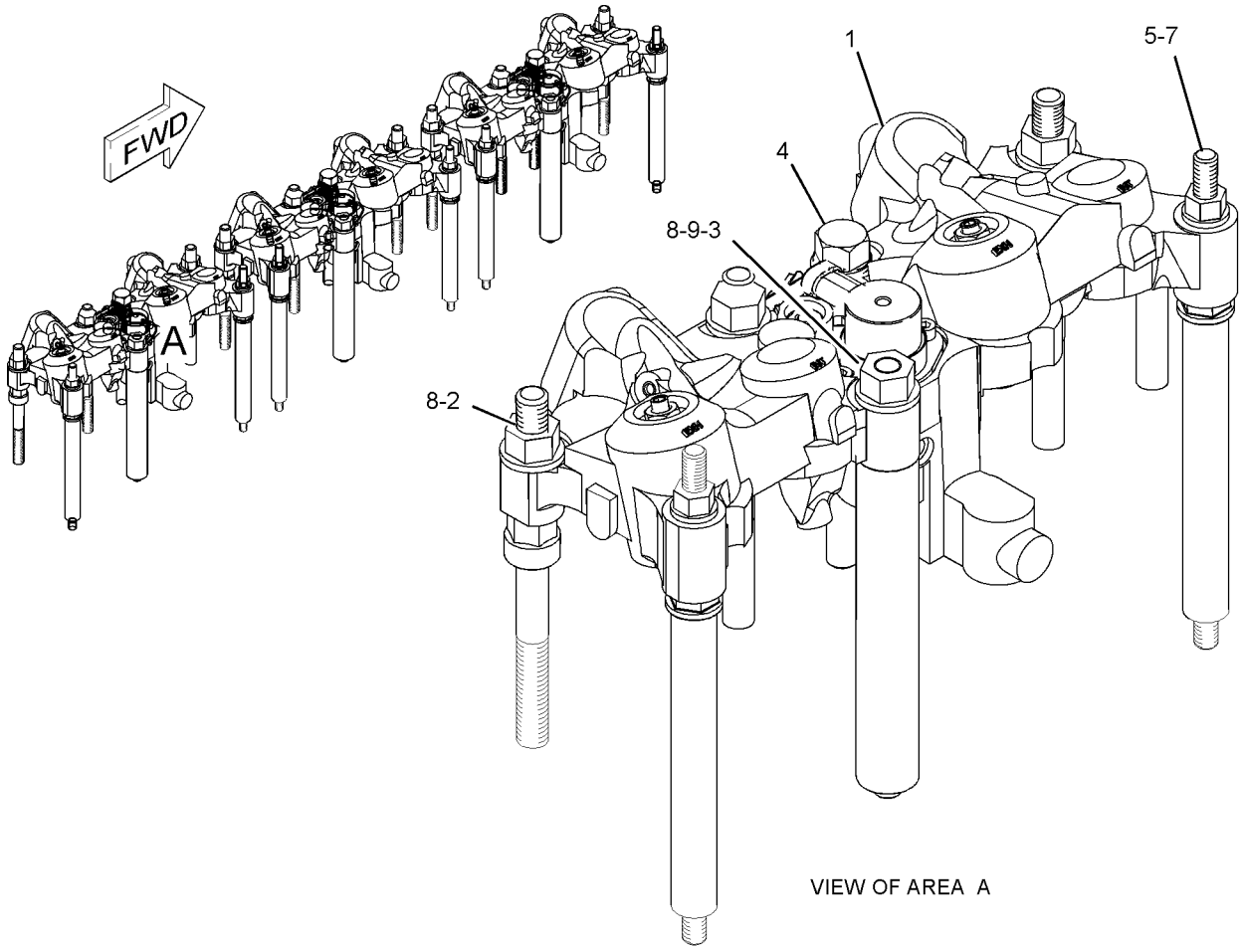
233-7245 ACTUATOR GP-VALVE

S/N: JRE3943-UP
24-VOLT. EXHAUST
AN ATTACHMENT

SMCS-1130 **i03362408**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**239-9624**	3	ENGINE BRAKE GP	180
C	2	1	**304-9553**	9	STUD	
	3	1	**234-9505**	3	SUPPORT	
	4	1	**234-9508**	3	BOLT (1/2-13X5.65-IN)	
C	5	1	**282-3731**	6	SPACER AS	
					(EACH INCLUDES)	
		1	**294-3075**	1	STUD-TAPERLOCK (3/8-16X1.79-IN)	
		1	**294-3076**	1	STUD-TAPERLOCK (3/8-16X3.1-IN)	
	7	1	**235-1088**	6	NUT (3/8-16-THD)	
	8	1	**235-1089**	12	NUT-FLANGE (1/2-13-THD)	
	9	1	**8T-7062**	3	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01089483

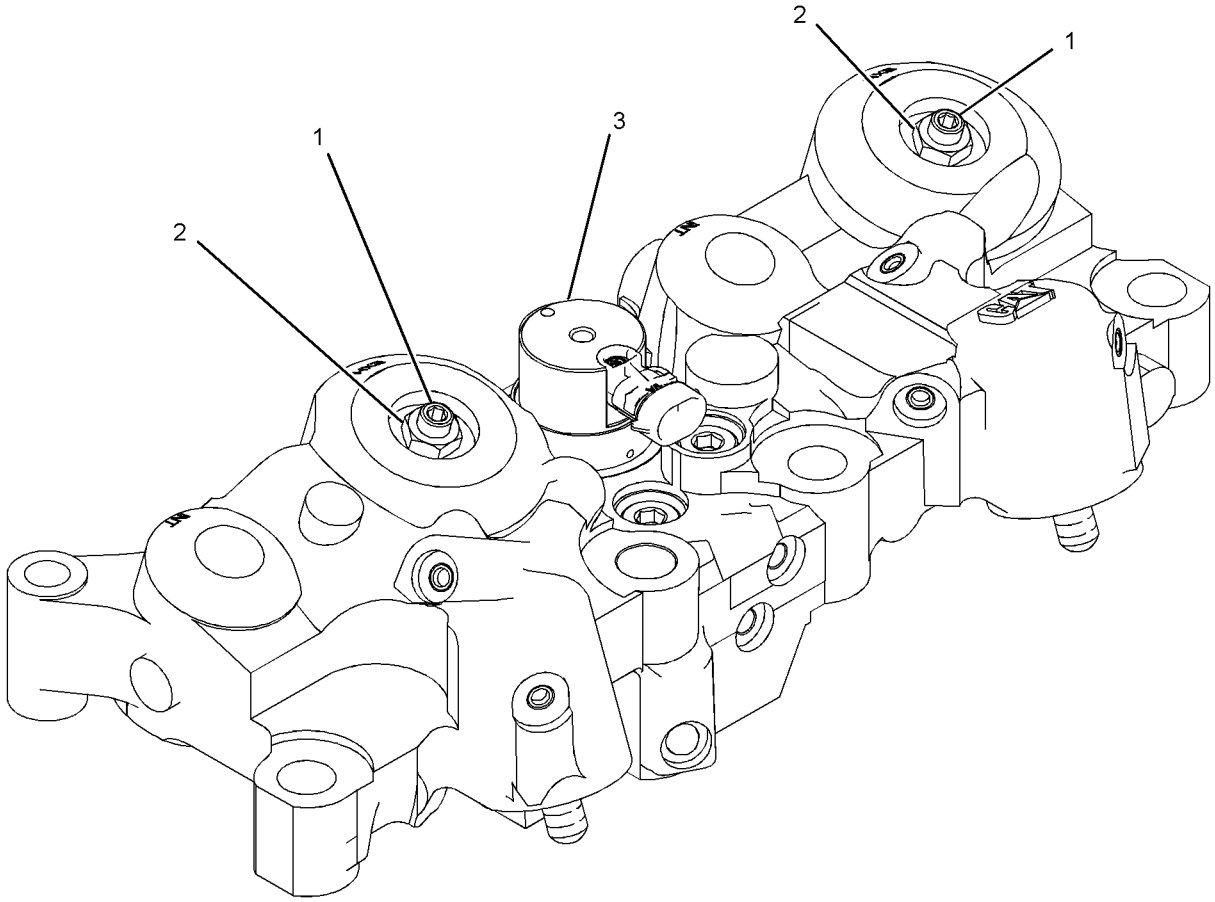
269-6798 ACTUATOR GP-VALVE

PART OF 276-0034 ACTUATOR GP-VALVE

AN ATTACHMENT

SMCS-1130 **i02496668**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**230-9446**	2	SCREW-ADJUSTMENT	
	2	1	**230-9447**	2	NUT-JAM	
	3	1	**250-9377**	1	VALVE AS	



GRAPHIC #1 **<END>** g01249718

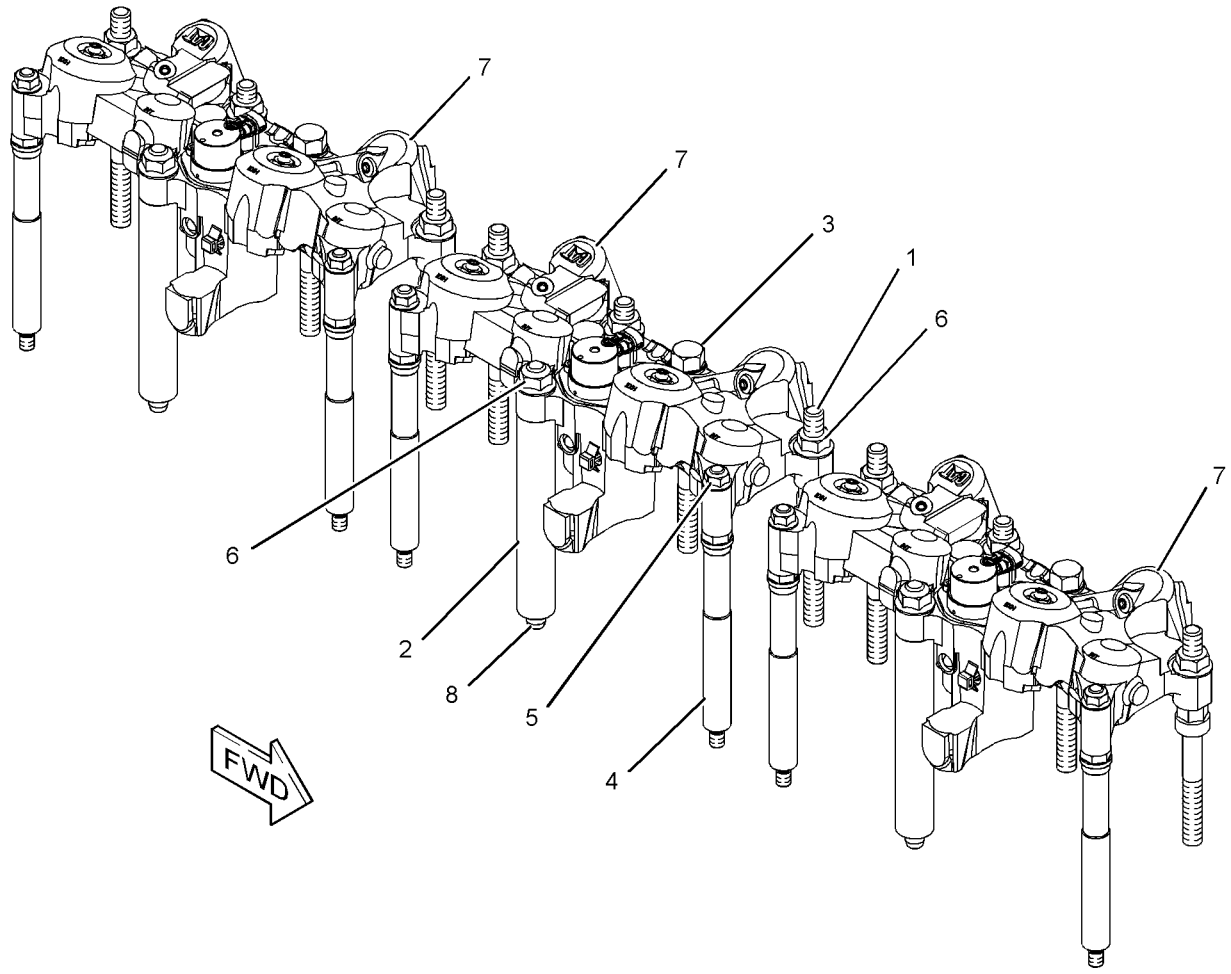
276-0034 ACTUATOR GP-VALVE

S/N: JRE1-3942
12-VOLT. EXHAUST
AN ATTACHMENT

SMCS-1130 **i02496667**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**288-4109**	9	STUD-SPECIAL (COMPRESSION BRAKE)	
	2	1	**234-9505**	3	SUPPORT	
	3	1	**234-9508**	3	BOLT (1/2-13X5.65-IN)	
	4	1	**235-0658**	6	STUD	
	5	1	**235-1088**	6	NUT (3/8-16-THD)	
	6	1	**235-1089**	12	NUT-FLANGE (1/2-13-THD)	
Y	7	1	**269-6798**	3	ACTUATOR GP-VALVE	19
	8	1	**8T-7062**	3	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01211274

BASIC ENGINE

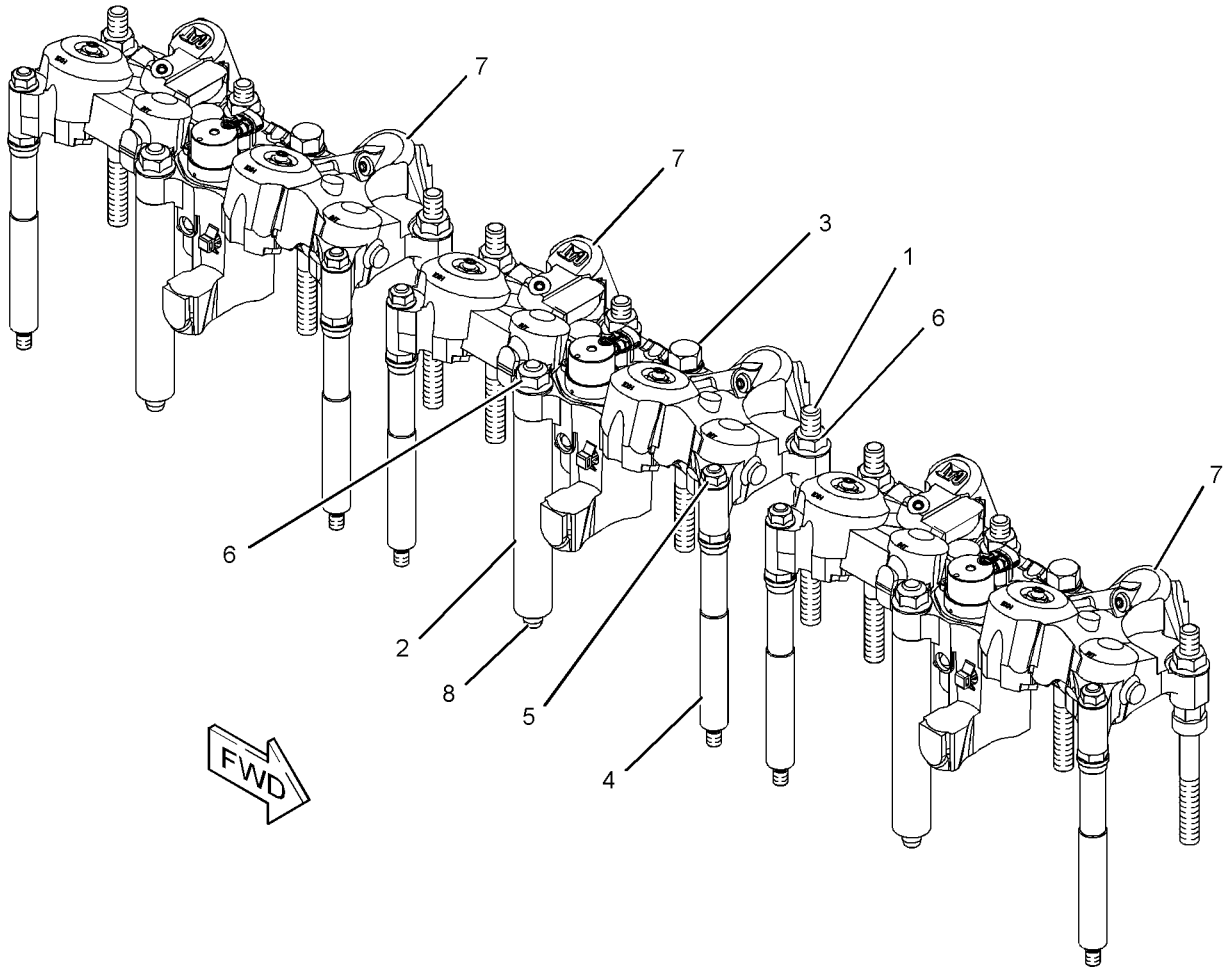
276-0034 ACTUATOR GP-VALVE

S/N: JRE3943-5233
12-VOLT. EXHAUST
AN ATTACHMENT

SMCS-1130 **i02822139**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**288-4109**	9	STUD-SPECIAL (COMPRESSION BRAKE)	
	2	1	**234-9505**	3	SUPPORT	
	3	1	**234-9508**	3	BOLT (1/2-13X5.65-IN)	
C	4	1	**282-3731**	6	SPACER AS	
	5	1	**235-1088**	6	NUT (3/8-16-THD)	
	6	1	**235-1089**	12	NUT-FLANGE (1/2-13-THD)	
YR	7	1	**269-6798**	3	ACTUATOR GP-VALVE	19
	8	1	**8T-7062**	3	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01211274

BASIC ENGINE

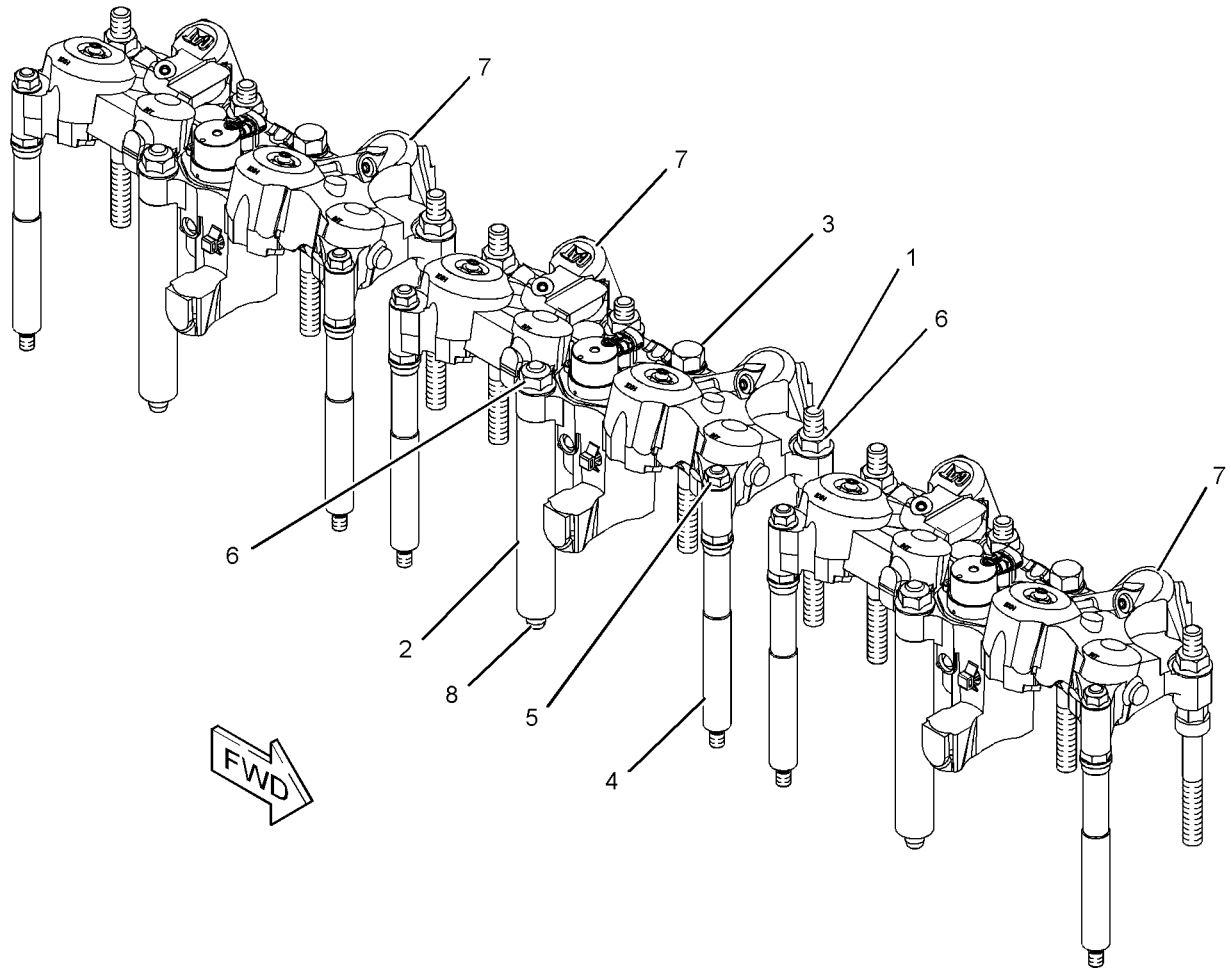
276-0034 ACTUATOR GP-VALVE

S/N: JRE5234-UP
12-VOLT. EXHAUST
AN ATTACHMENT

SMCS-1130 **i03362409**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**304-9553**	9	STUD	
	2	1	**234-9505**	3	SUPPORT	
	3	1	**234-9508**	3	BOLT (1/2-13X5.65-IN)	
	4	1	**282-3731**	6	SPACER AS	
					(EACH INCLUDES)	
		1	**294-3075**	1	STUD-TAPERLOCK (3/8-16X1.79-IN)	
		1	**294-3076**	1	STUD-TAPERLOCK (3/8-16X3.1-IN)	
	5	1	**235-1088**	6	NUT (3/8-16-THD)	
	6	1	**235-1089**	12	NUT-FLANGE (1/2-13-THD)	
YR	7	1	**269-6798**	3	ACTUATOR GP-VALVE	19
	8	1	**8T-7062**	3	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01211274

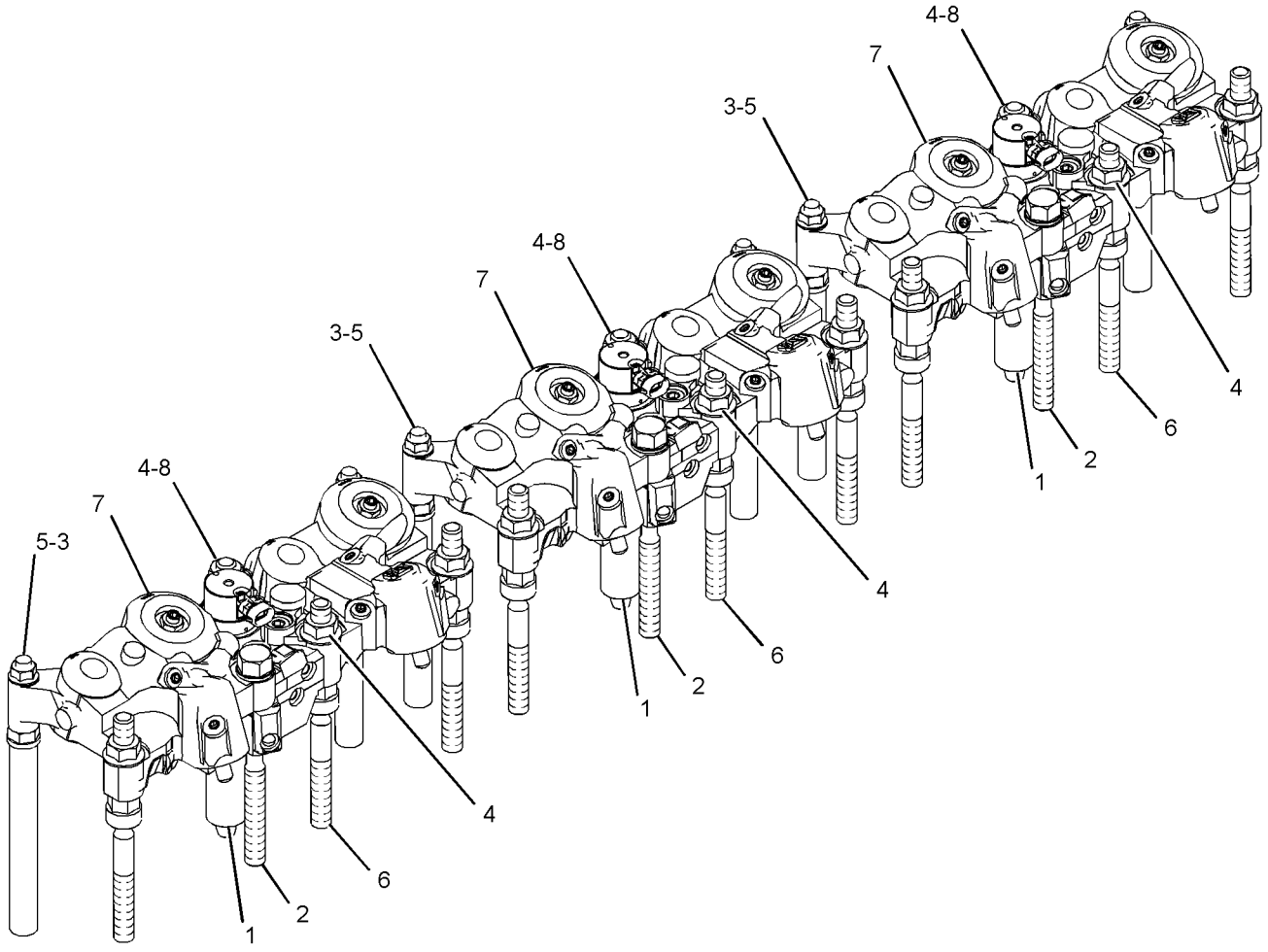
322-8542 ACTUATOR GP-VALVE

AN ATTACHMENT

SMCS-1130 **i02951558**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**234-9505**	3	SUPPORT	
	2	1	**234-9508**	3	BOLT (1/2-13X5.65-IN)	
	3	1	**235-1088**	6	NUT (3/8-16-THD)	
	4	1	**235-1089**	12	NUT-FLANGE (1/2-13-THD)	
	5	1	**282-3731**	6	SPACER AS	
	6	1	**304-9553**	9	STUD	
Y	7	1	**313-6361**	3	ENGINE BRAKE GP	181
	8	1	**8T-7062**	3	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01481324

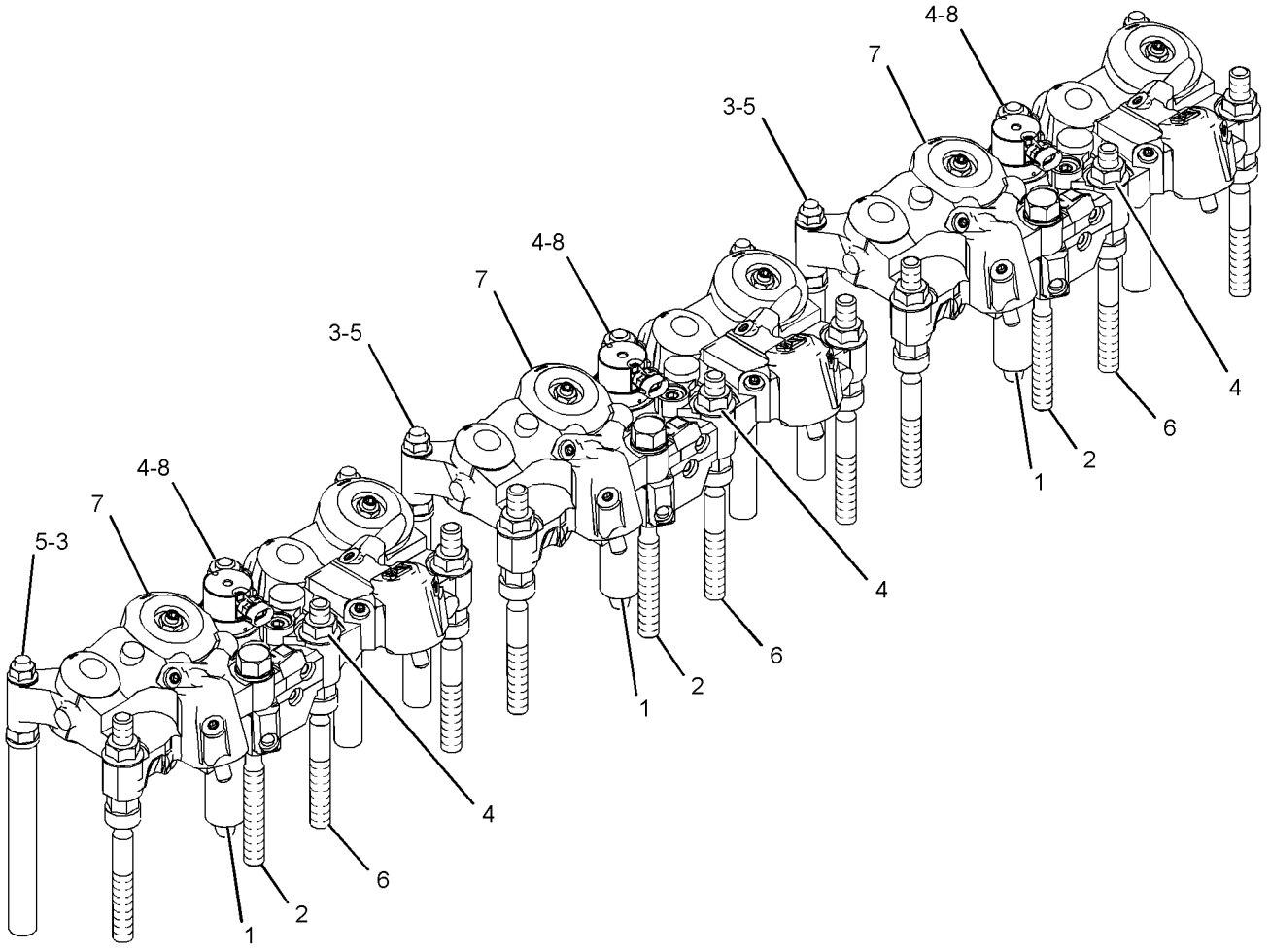
322-8543 ACTUATOR GP-VALVE

AN ATTACHMENT

SMCS-1130 **i02951560**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**234-9505**	3	SUPPORT	
	2	1	**234-9508**	3	BOLT (1/2-13X5.65-IN)	
	3	1	**235-1088**	6	NUT (3/8-16-THD)	
	4	1	**235-1089**	12	NUT-FLANGE (1/2-13-THD)	
	5	1	**282-3731**	6	SPACER AS	
	6	1	**304-9553**	9	STUD	
Y	7	1	**313-6363**	3	ENGINE BRAKE GP	182
	8	1	**8T-7062**	3	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01481324

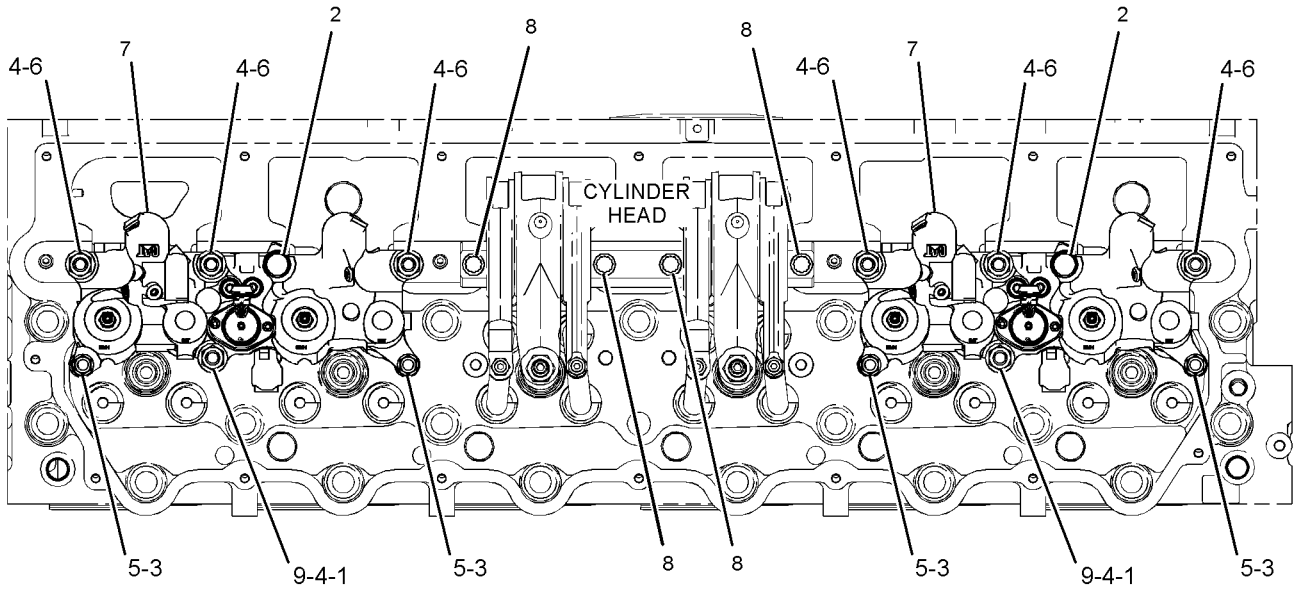
345-4072 ACTUATOR GP-VALVE

AN ATTACHMENT

SMCS-1130 **i03584442**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**234-9505**	2	SUPPORT	
	2	1	**234-9508**	2	BOLT (1/2-13X5.65-IN)	
	3	1	**235-1088**	4	NUT (3/8-16-THD)	
	4	1	**235-1089**	8	NUT-FLANGE (1/2-13-THD)	
	5	1	**282-3731**	4	SPACER AS	
		1	**294-3075**	1	STUD-TAPERLOCK (3/8-16X1.79-IN)	
		1	**294-3076**	1	STUD-TAPERLOCK (3/8-16X3.1-IN)	
	6	1	**304-9553**	6	STUD	
Y	7	1	**313-6361**	2	ENGINE BRAKE GP	181
	8	1	**5J-5794**	4	BOLT (1/2-13X3.5-IN)	
	9	1	**8T-7062**	2	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

Y-SEPARATE ILLUSTRATION



TOP VIEW OF ENGINE

GRAPHIC #1 **<END>** g01948138

BASIC ENGINE

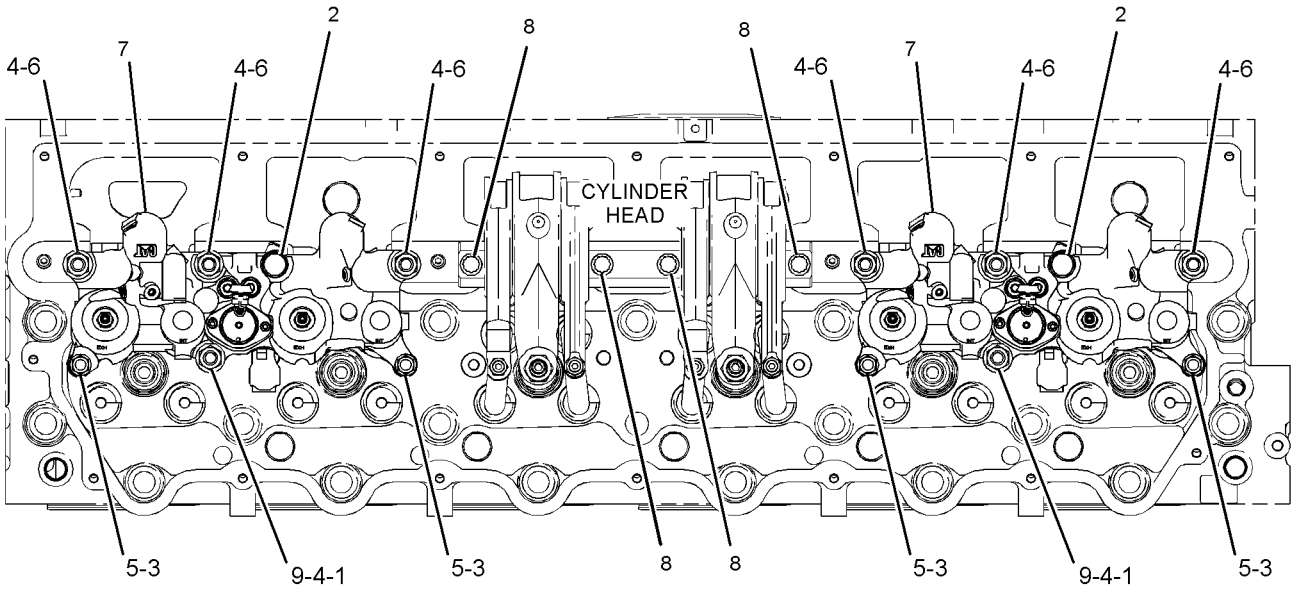
345-4073 ACTUATOR GP-VALVE

AN ATTACHMENT

SMCS-1130 **i03584446**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**234-9505**	2	SUPPORT	
	2	1	**234-9508**	2	BOLT (1/2-13X5.65-IN)	
	3	1	**235-1088**	4	NUT (3/8-16-THD)	
	4	1	**235-1089**	8	NUT-FLANGE (1/2-13-THD)	
	5	1	**282-3731**	4	SPACER AS	
		1	**294-3075**	1	STUD-TAPERLOCK (3/8-16X1.79-IN)	
		1	**294-3076**	1	STUD-TAPERLOCK (3/8-16X3.1-IN)	
	6	1	**304-9553**	6	STUD	
Y	7	1	**313-6363**	2	ENGINE BRAKE GP	182
	8	1	**5J-5794**	4	BOLT (1/2-13X3.5-IN)	
	9	1	**8T-7062**	2	STUD-TAPERLOCK (1/2-13X55, 1/2-13X21-MM)	

Y-SEPARATE ILLUSTRATION



TOP VIEW OF ENGINE

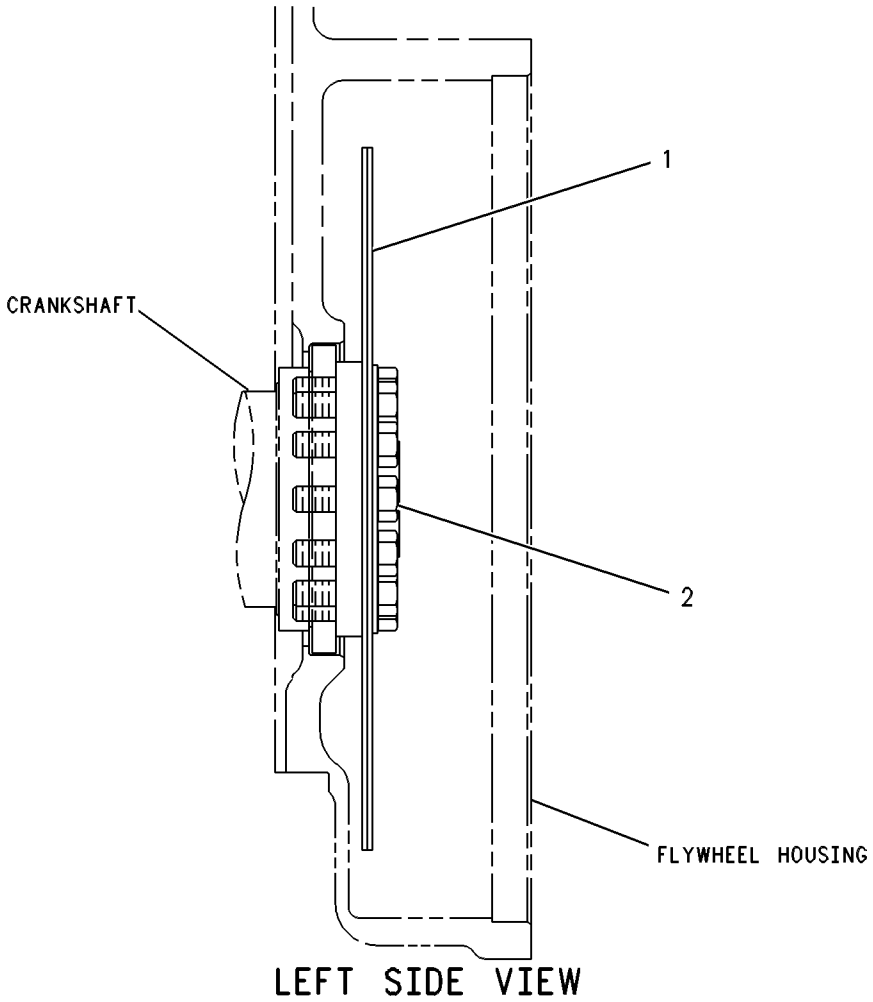
GRAPHIC #1 **<END>** g01948095

133-1860 ADAPTER GP-ENGINE TO TMSN

FOR USE WITH ALLISON HD TRANSMISSION
AN ATTACHMENT

SMCS-1004, 1157 **i00840949**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**133-1859**	1	ADAPTER GP-ENGINE TO TMSN	
	2	1	**0S-1576**	12	BOLT (5/8-18X2IN)	



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00263337

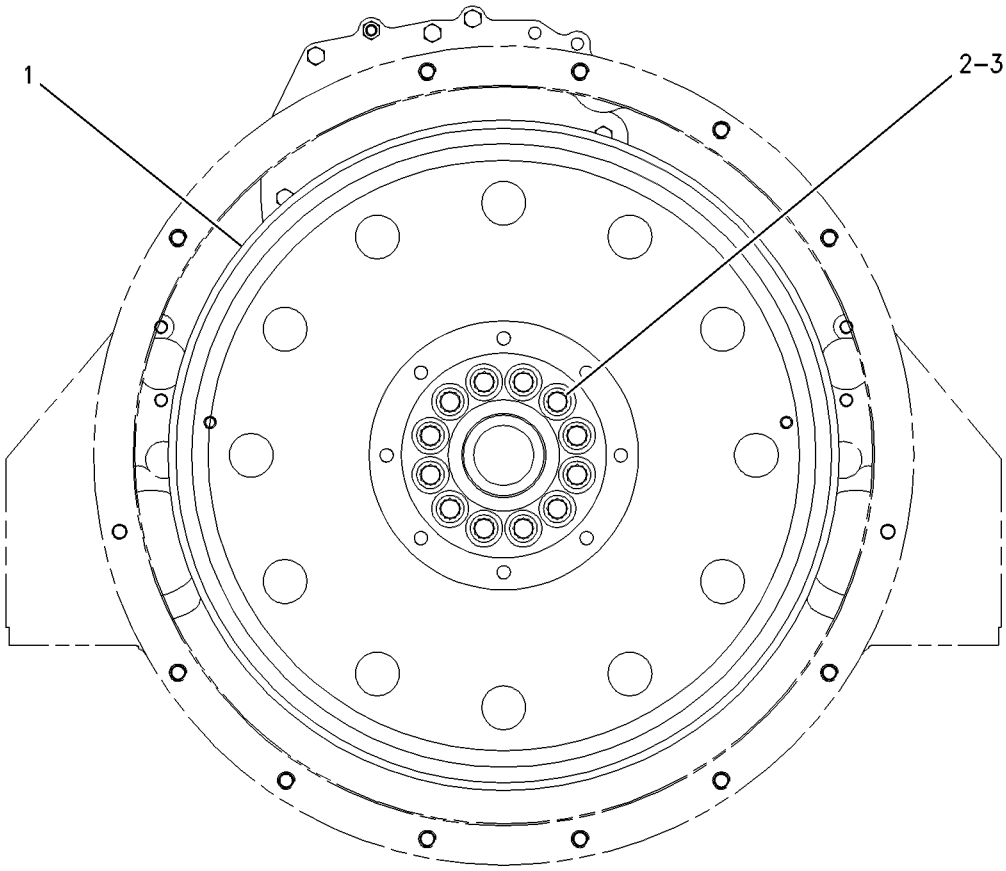
BASIC ENGINE

147-6650 ADAPTER GP-FLYWHEEL

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1156 **i00703061**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-6249**	1	FLYWHEEL AS	
		1	**8M-6755**	1	GEAR-FLYWHEEL (136-TEETH)	
	2	1	**2P-1956**	12	BOLT-12 POINT HEAD (5/8-18X3-IN)	
	3	1	**5P-8247**	12	WASHER-HARD (17X32X3.5-MM THK)	



REAR VIEW

GRAPHIC #1 **<END>** g00289336

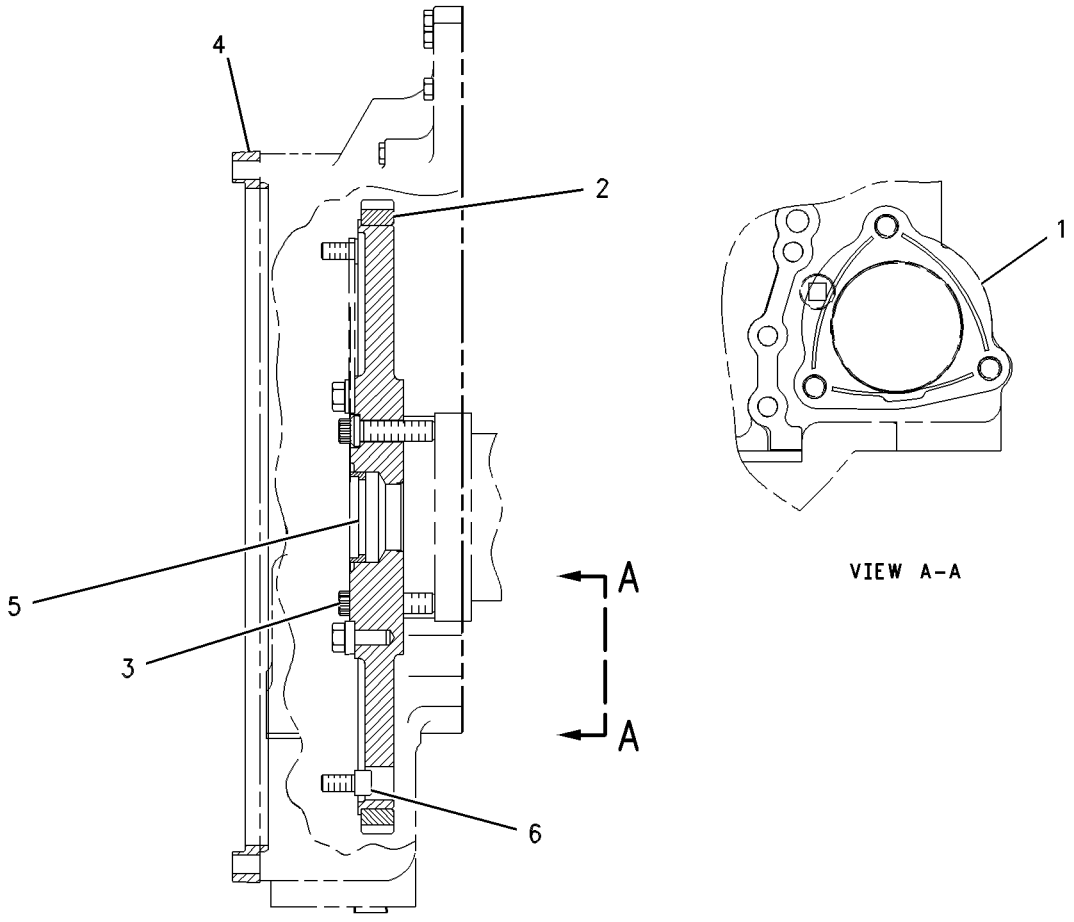
148-8808 ADAPTER GP-FLYWHEEL

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1156 **i03660722**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-6089**	1	GASKET	
	2	1	**6N-9667**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	3	1	**5P-7033**	12	BOLT-12 POINT HEAD (5/8-18X2.25-IN)	
	4	1	**4W-0229**	1	ADAPTER-FLYWHEEL HOUSING	
	5	1	**7N-6114**	1	BUSHING-PILOT	
	6	1	**013-8307**	12	BOLT-SOCKET HEAD (1/2-20X1-IN)	
ABF		1	**7E-3478**	2	GASKET	
					(INSTALL BETWEEN THE FLYWHEEL HOUSING AND ADAPTER AND BETWEEN THE ADAPTER AND TRANSMISSION)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
F-NOT SHOWN



GRAPHIC #1 **<END>** g00289841

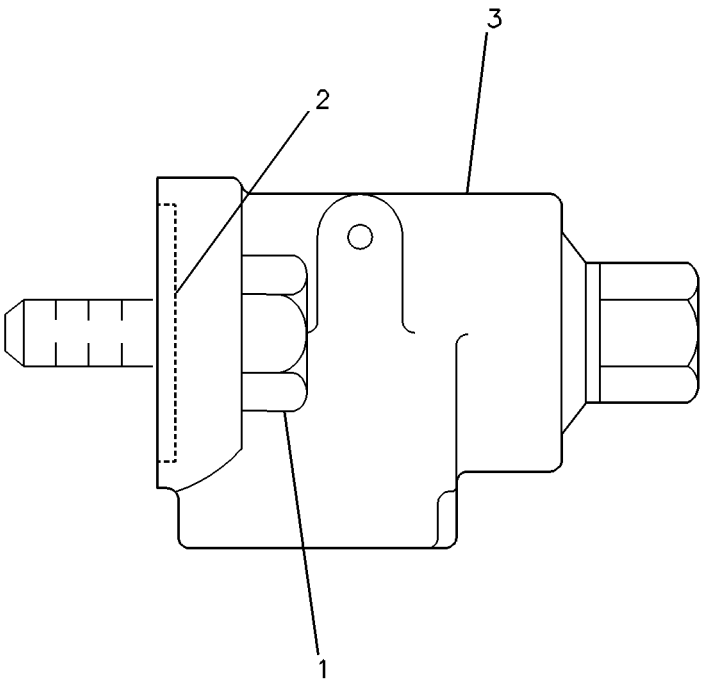
9Y-5438 ADAPTER GP-OIL PAN DRAIN

FOR USE WITH OIL PANS WITH TWO BOLT FLANGE
AN ATTACHMENT

SMCS-1302 **i02726326**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1587**	2	BOLT (1/2-13X1.75-IN)	
C	2	1	**6V-3830**	1	SEAL-O-RING	
C	3	1	**4P-0519**	1	ADAPTER AS-DRAIN	

C-CHANGE FROM PREVIOUS TYPE



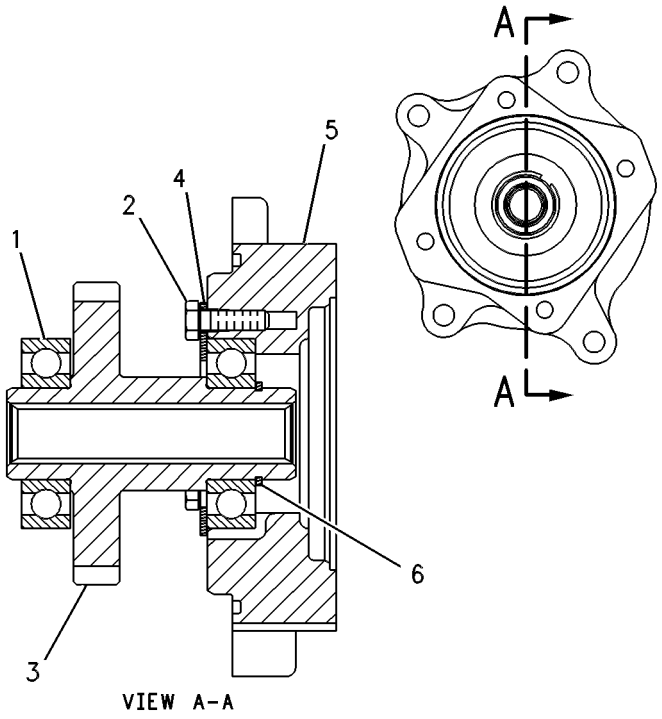
GRAPHIC #1 **<END>** g00220400

133-9907 ADAPTER GP-PUMP DRIVE

S/N: JRE106-UP
PART OF 6I-3638 DRIVE GP-PUMP
ALSO AN ATTACHMENT

SMCS-1313, 3108 **i03260721**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1B-3867**	2	BALL BEARING	
	2	1	**4F-7957**	3	BOLT (1/4-20X0.875-IN)	
	3	1	**6I-4575**	1	GEAR (34-TEETH)	
	4	1	**9X-2038**	3	WASHER (7X19X2-MM THK)	
	5	1	**133-9906**	1	ADAPTER	
	6	1	**1H-8647**	1	RING-SNAP	



GRAPHIC #1 **<END>** g00263602

BASIC ENGINE

222-2879 AIR COMPRESSOR GP

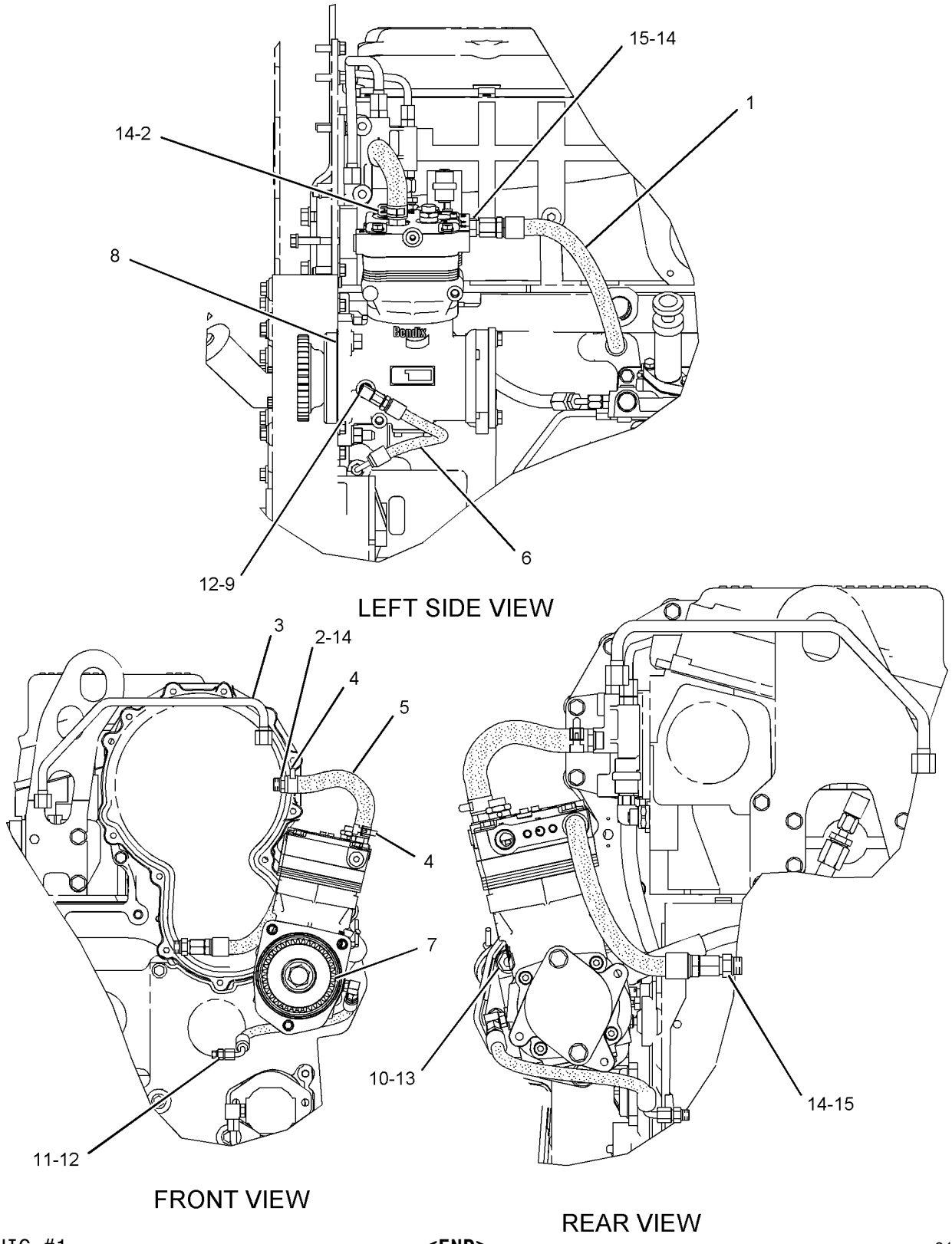
S/N: JRE1-6108
FOR USE WITH AIR INLET FITTING GROUP
AN ATTACHMENT

SMCS-1803 **i02994775**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**270-6916**	1	HOSE AS	
	2	1	**6V-1438**	2	CONNECTOR	
	3	1	**172-3450**	1	TUBE AS	
	4	1	**172-4702**	2	CLAMP	
	5	1	**276-9507**	1	HOSE	
I	6	1	**220-1206**	1	HOSE AS	
	7	1	**223-3505**	1	SEAL	
YR	8	1	**223-3637**	1	AIR COMPRESSOR GP	36
	9	1	**030-7946**	1	ELBOW	
	10	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	11	1	**3J-7352**	1	CONNECTOR	
	12	1	**6V-5048**	2	SEAL-O-RING	
	13	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	14	1	**6V-6609**	4	SEAL-O-RING	
	15	1	**8M-0505**	2	CONNECTOR	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

222-2879 **AIR COMPRESSOR GP** *(contd.)* **i02994775**



GRAPHIC #1 **<END>** g01020291

BASIC ENGINE

222-2879 AIR COMPRESSOR GP

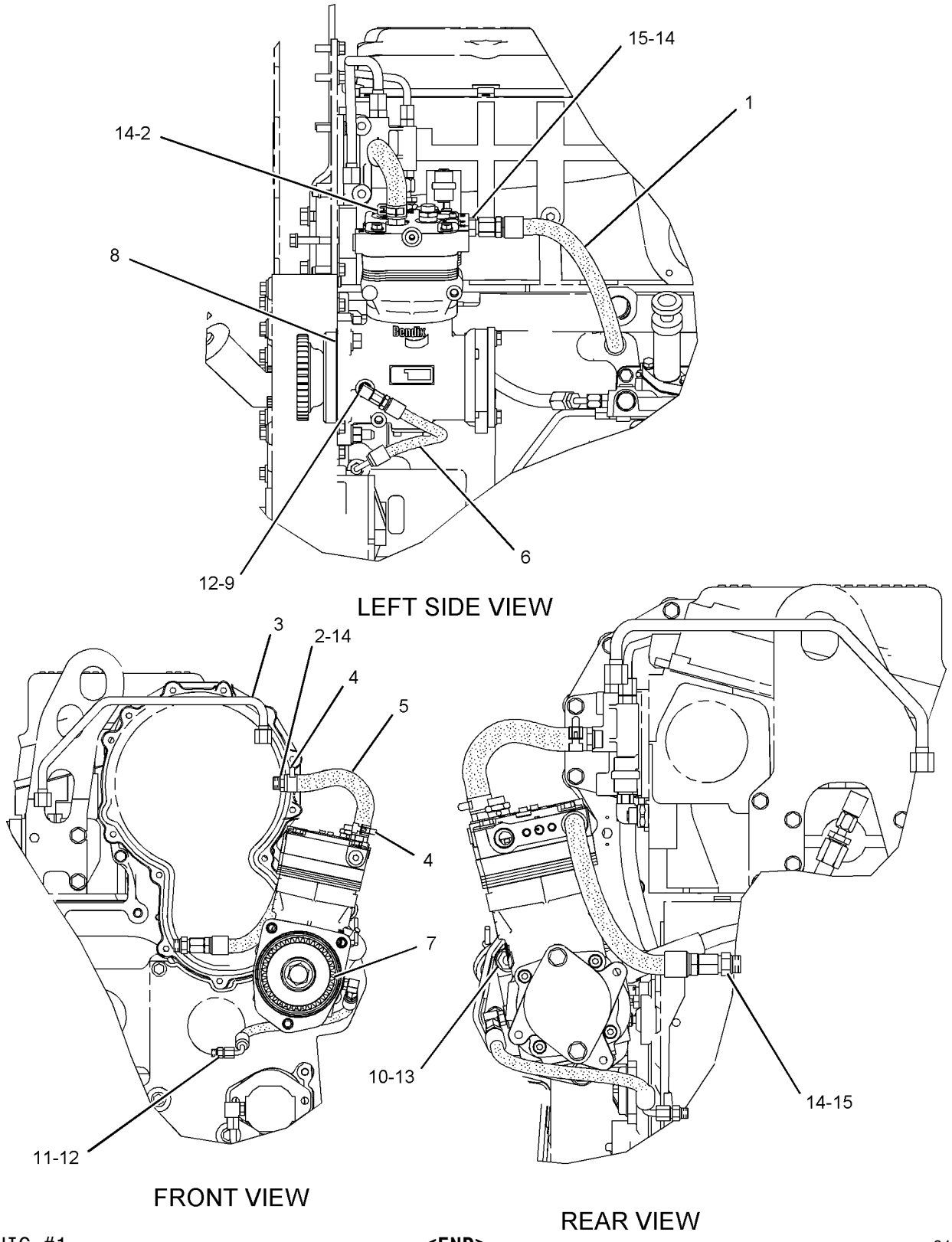
S/N: JRE6109-UP
FOR USE WITH AIR INLET FITTING GROUP
AN ATTACHMENT

SMCS-1803 **i03538446**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**321-7384**	1	HOSE AS	
	2	1	**6V-1438**	2	CONNECTOR	
	3	1	**172-3450**	1	TUBE AS	
	4	1	**172-4702**	2	CLAMP	
	5	1	**276-9507**	1	HOSE	
I	6	1	**220-1206**	1	HOSE AS	
	7	1	**223-3505**	1	SEAL	
CYR	8	1	**304-9991**	1	AIR COMPRESSOR GP	53
	9	1	**030-7946**	1	ELBOW	
	10	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	11	1	**3J-7352**	1	CONNECTOR	
	12	1	**6V-5048**	2	SEAL-O-RING	
	13	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	14	1	**6V-6609**	4	SEAL-O-RING	
	15	1	**8M-0505**	2	CONNECTOR	

C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

222-2879 **AIR COMPRESSOR GP** *(contd.)* **i03538446**



GRAPHIC #1 **<END>** g01020291

BASIC ENGINE

223-3637 AIR COMPRESSOR GP*R

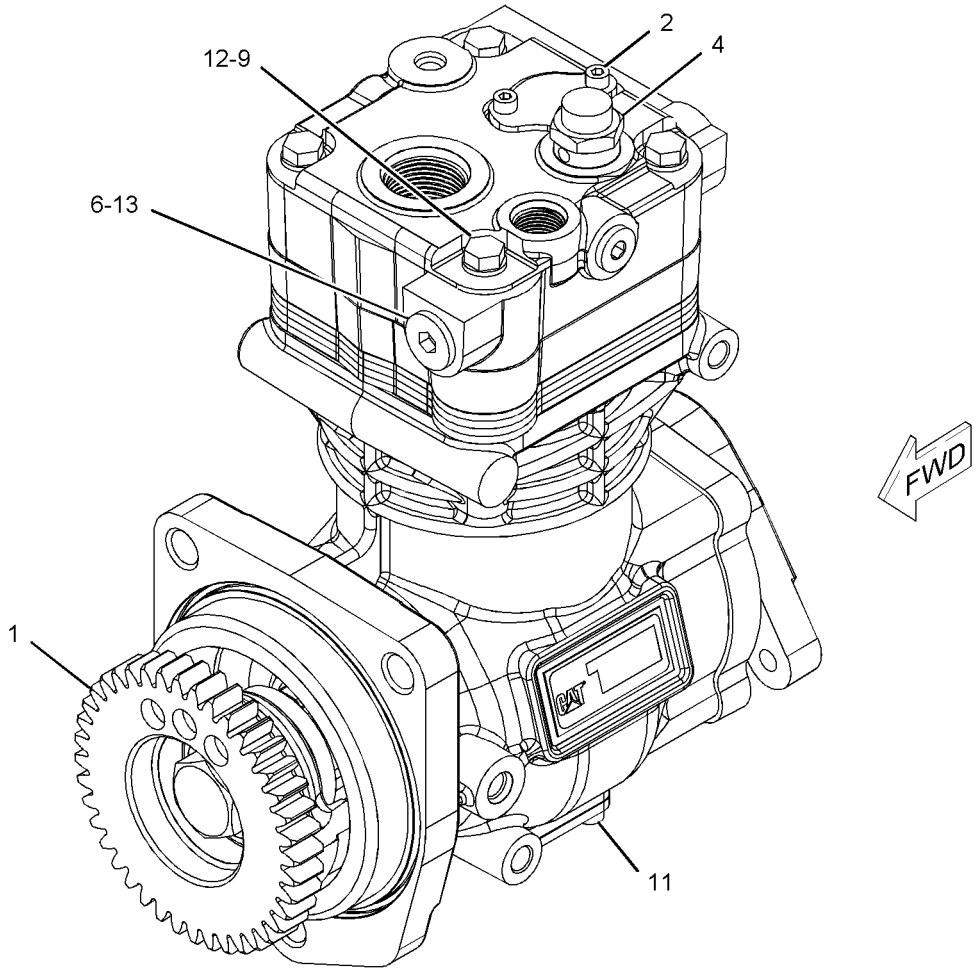
S/N: JRE1-1022
15.7 CFM
PART OF 222-2879 AIR COMPRESSOR GP
FIELD REPLACEMENT ORDER 304-9991—PAGE 53
AN ATTACHMENT

SMCS-1803 **i02585815**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Z	1	1		1	GEAR-AIR COMPRESSOR	
M	2	1	**099-2374**	2	BOLT-SOCKET HEAD (M5X0.8X12-MM)	
	4	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING (19.18-MM ID)	
	6	1	**3K-0360**	1	SEAL-O-RING	
M	9	1	**6V-5221**	4	BOLT (M8X1.25X80-MM)	
M	11	1	**8T-0267**	4	BOLT-SOCKET HEAD (M6X1X12-MM)	
	12	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	13	1	**9S-8005**	1	PLUG-O RING	
					AVAILABLE REPAIR KIT(S):	
			217-5232	1	KIT-GASKET (AIR COMPRESSOR)	
					(INCLUDES INLET REED VALVE/GASKET AND CYLINDER HEAD GASKETS)	
			217-5240	1	KIT-SEAL (AIR COMPRESSOR)	
					(INCLUDES O-RING (END COVER), CRANKCASE COVER GASKETS, REAR COVER GASKET, AND INSTRUCTION SHEET)	
			217-5237	1	KIT-UNLOADER (AIR COMPRESSOR)	
					(INCLUDES UNLOADER CAP GASKET, ESS BALANCE PISTON, ESS SPRING, ESS PISTON, AND TOP, MIDDLE, AND BOTTOM O-RINGS)	

M-METRIC PART
Z-NOT SERVICED SEPARATELY

223-3637 **AIR COMPRESSOR GP** *(contd.)* **i02585815**



GRAPHIC #1 **<END>** g01138990

223-3637 AIR COMPRESSOR GP*R

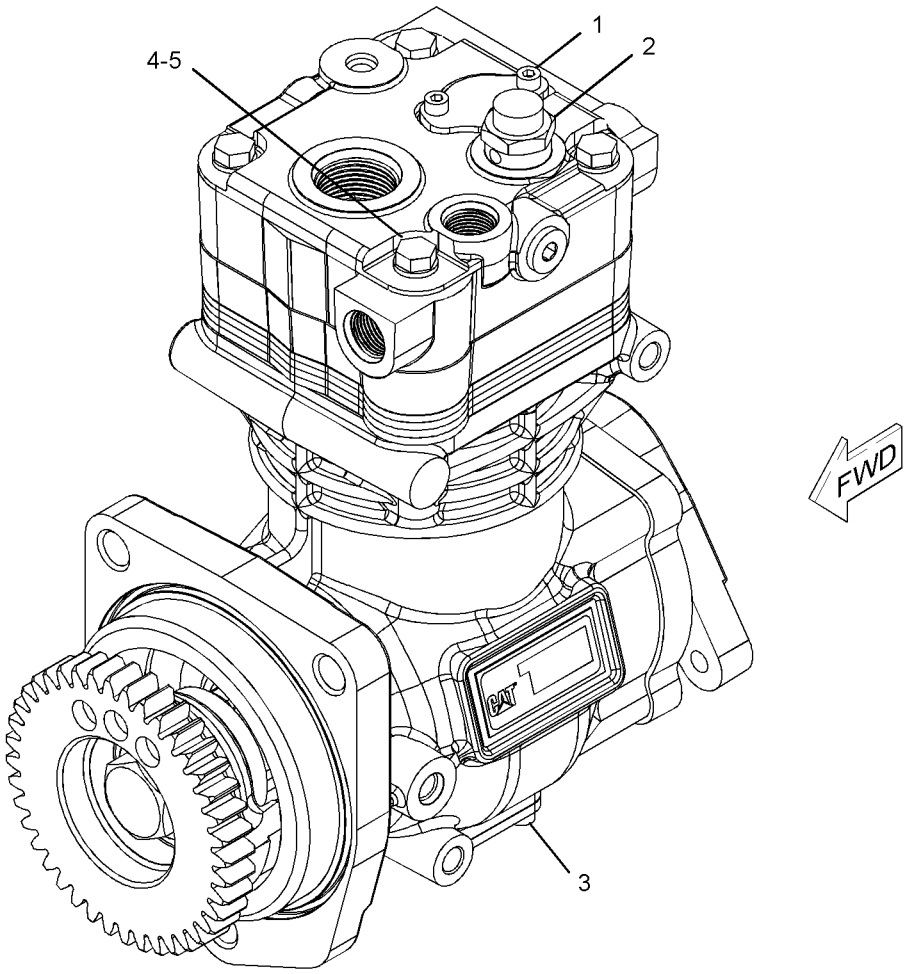
S/N: JRE1023-6108
15.7 CFM
PART OF 222-2879 AIR COMPRESSOR GP
FIELD REPLACEMENT ORDER 304-9991—PAGE 53
AN ATTACHMENT

SMCS-1803 **i02585829**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**099-2374**	2	BOLT-SOCKET HEAD (M5X0.8X12-MM)	
	2	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING (19.18-MM ID)	
M	3	1	**6V-5221**	4	BOLT (M8X1.25X80-MM)	
M	4	1	**8T-0267**	4	BOLT-SOCKET HEAD (M6X1X12-MM)	
	5	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
					AVAILABLE REPAIR KIT(S):	
			217-5232	1	KIT-GASKET (AIR COMPRESSOR)	
					(INCLUDES INLET REED VALVE/GASKET AND CYLINDER HEAD GASKETS)	
			217-5240	1	KIT-SEAL (AIR COMPRESSOR)	
					(INCLUDES O-RING (END COVER), CRANKCASE COVER GASKETS, REAR COVER GASKET, AND INSTRUCTION SHEET)	
			217-5237	1	KIT-UNLOADER (AIR COMPRESSOR)	
					(INCLUDES UNLOADER CAP GASKET, ESS BALANCE PISTON, ESS SPRING, ESS PISTON, AND TOP, MIDDLE, AND BOTTOM O-RINGS)	

M-METRIC PART

223-3637 **AIR COMPRESSOR GP** *(contd.)* **i02585829**



GRAPHIC #1 **<END>** g01259507

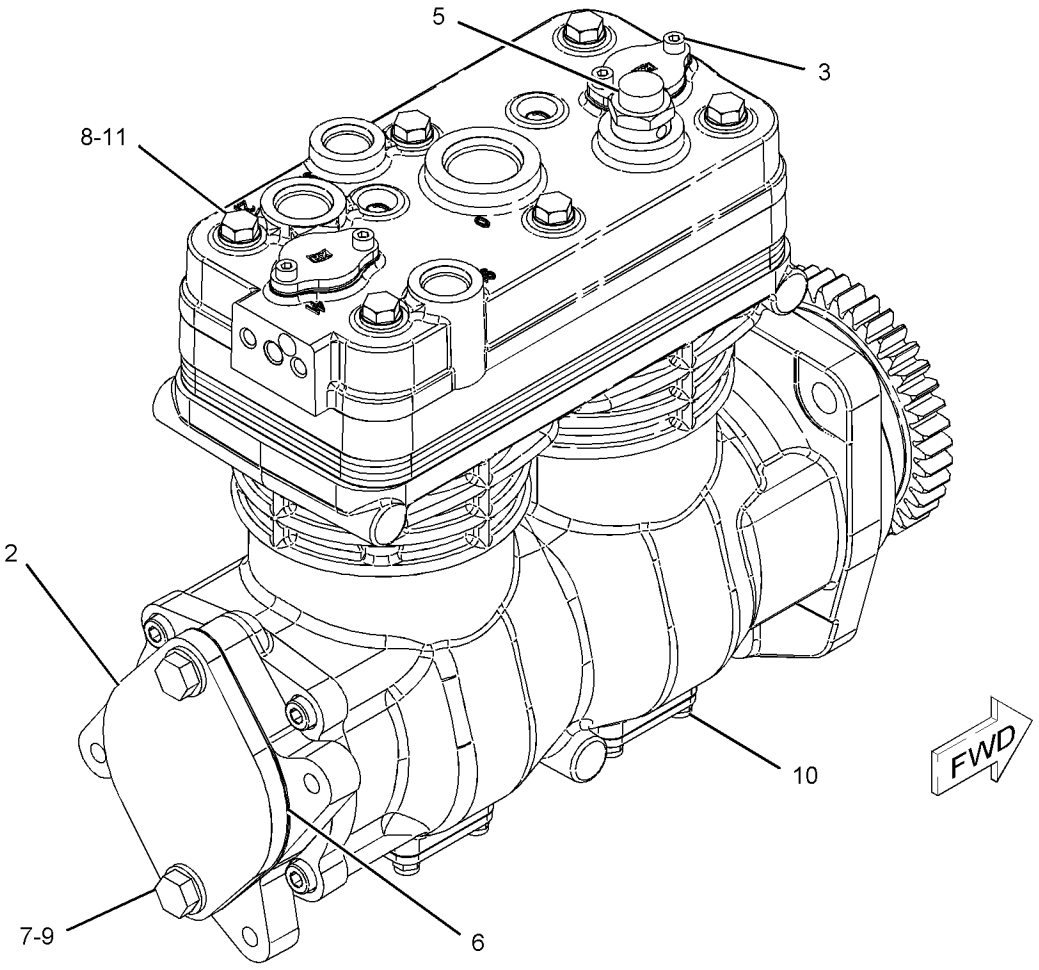
226-9580 AIR COMPRESSOR GP*R

S/N: JRE1-122
31.4 CFM
PART OF 232-5187 AIR COMPRESSOR GP
AN ATTACHMENT

SMCS-1803 **i02318133**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	2	1	**2P-4358**	1	FLANGE	
M	3	1	**099-2374**	4	BOLT-SOCKET HEAD (M5X0.8X12-MM)	
	5	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING	
	6	1	**6D-1004**	1	GASKET	
M	7	1	**6V-4248**	2	BOLT (M10X1.5X25-MM)	
M	8	1	**6V-5221**	6	BOLT (M8X1.25X80-MM)	
	9	1	**6V-5839**	2	WASHER (11X21X2.5-MM THK)	
M	10	1	**8T-0267**	8	BOLT-SOCKET HEAD (M6X1X12-MM)	
	11	1	**9M-1974**	6	WASHER-HARD (8.8X16X2-MM THK)	
					AVAILABLE REPAIR KIT(S):	
			231-7753	1	KIT-GASKET (AIR COMPRESSOR HEAD)	
					INCLUDES VALVE-INLET AND GASKET-HEAD	
			217-5237	2	KIT-UNLOADER (AIR COMPRESSOR)	
					INCLUDES UNLOADER GAP GASKET, ESS BALANCE PISTON, ESS SPRING, AND O-RINGS	
			217-5240	1	KIT-SEAL (AIR COMPRESSOR)	
					INCLUDES O-RINGS, AND CRANKCASE COVER GASKET	

M-METRIC PART



GRAPHIC #1 **<END>** g01059518

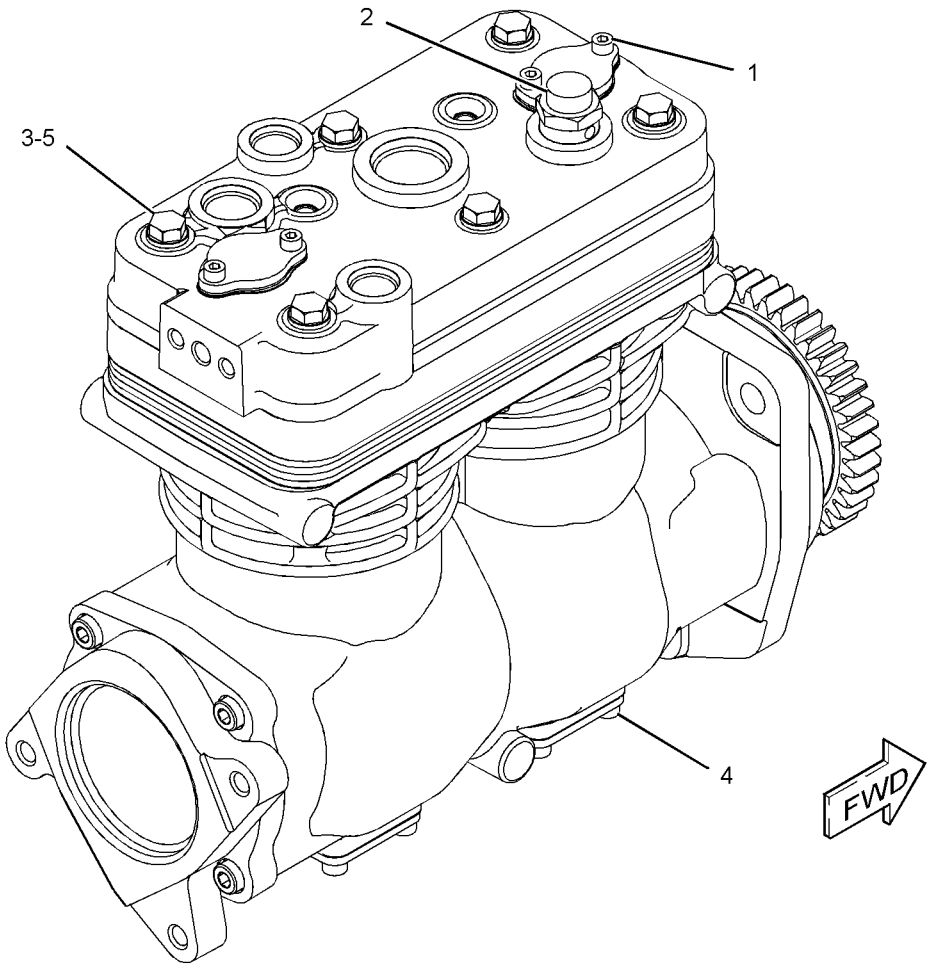
226-9580 AIR COMPRESSOR GP*R

S/N: JRE123-5437
31.4 CFM
PART OF 232-5187 AIR COMPRESSOR GP
AN ATTACHMENT

SMCS-1803 **i02318134**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**099-2374**	4	BOLT-SOCKET HEAD (M5X0.8X12-MM)	
	2	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING	
M	3	1	**6V-5221**	6	BOLT (M8X1.25X80-MM)	
M	4	1	**8T-0267**	8	BOLT-SOCKET HEAD (M6X1X12-MM)	
	5	1	**9M-1974**	6	WASHER-HARD (8.8X16X2-MM THK)	
					AVAILABLE REPAIR KIT(S):	
			231-7753	1	KIT-GASKET (AIR COMPRESSOR HEAD)	
					INCLUDES VALVE-INLET AND GASKET-HEAD	
			217-5237	2	KIT-UNLOADER (AIR COMPRESSOR)	
					INCLUDES UNLOADER GAP GASKET, ESS BALANCE PISTON, ESS SPRING, AND O-RINGS	
			217-5240	1	KIT-SEAL (AIR COMPRESSOR)	
					INCLUDES O-RINGS, AND CRANKCASE COVER GASKET	

M-METRIC PART



GRAPHIC #1 **<END>** g01156295

BASIC ENGINE

232-5187 AIR COMPRESSOR GP

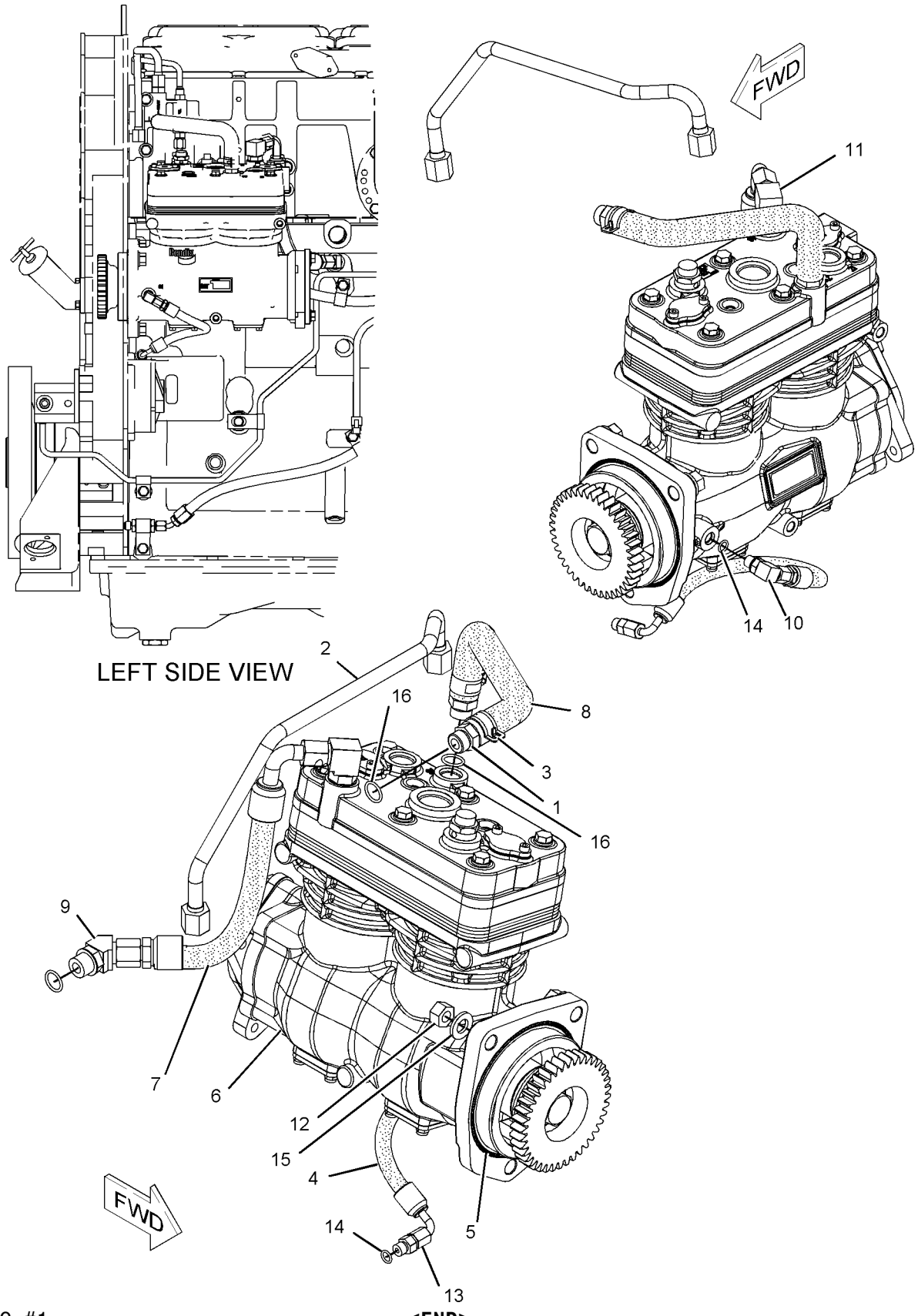
S/N: JRE1-5437
FOR USE WITH AIR LINES GROUP
AN ATTACHMENT

SMCS-1803 **i02940878**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**168-8806**	2	CONNECTOR	
	2	1	**172-3450**	1	TUBE AS	
	3	1	**172-4702**	2	CLAMP	
I	4	1	**220-1206**	1	HOSE AS	
	5	1	**223-3505**	1	SEAL (AIR COMPRESSOR)	
YR	6	1	**226-9580**	1	AIR COMPRESSOR GP	40
I	7	1	**235-0183**	1	HOSE AS	
	8	1	**235-0313**	1	HOSE	
	9	1	**030-7943**	1	ELBOW	
	10	1	**030-7946**	1	ELBOW	
	11	1	**118-4728**	1	ELBOW	
	12	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	13	1	**3J-7352**	1	CONNECTOR	
	14	1	**3J-7354**	2	SEAL-O-RING	
	15	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**6V-6609**	4	SEAL-O-RING	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

232-5187 **AIR COMPRESSOR GP** *(contd.)* **i02940878**



GRAPHIC #1

<END>

g01035844

BASIC ENGINE

232-5187 AIR COMPRESSOR GP

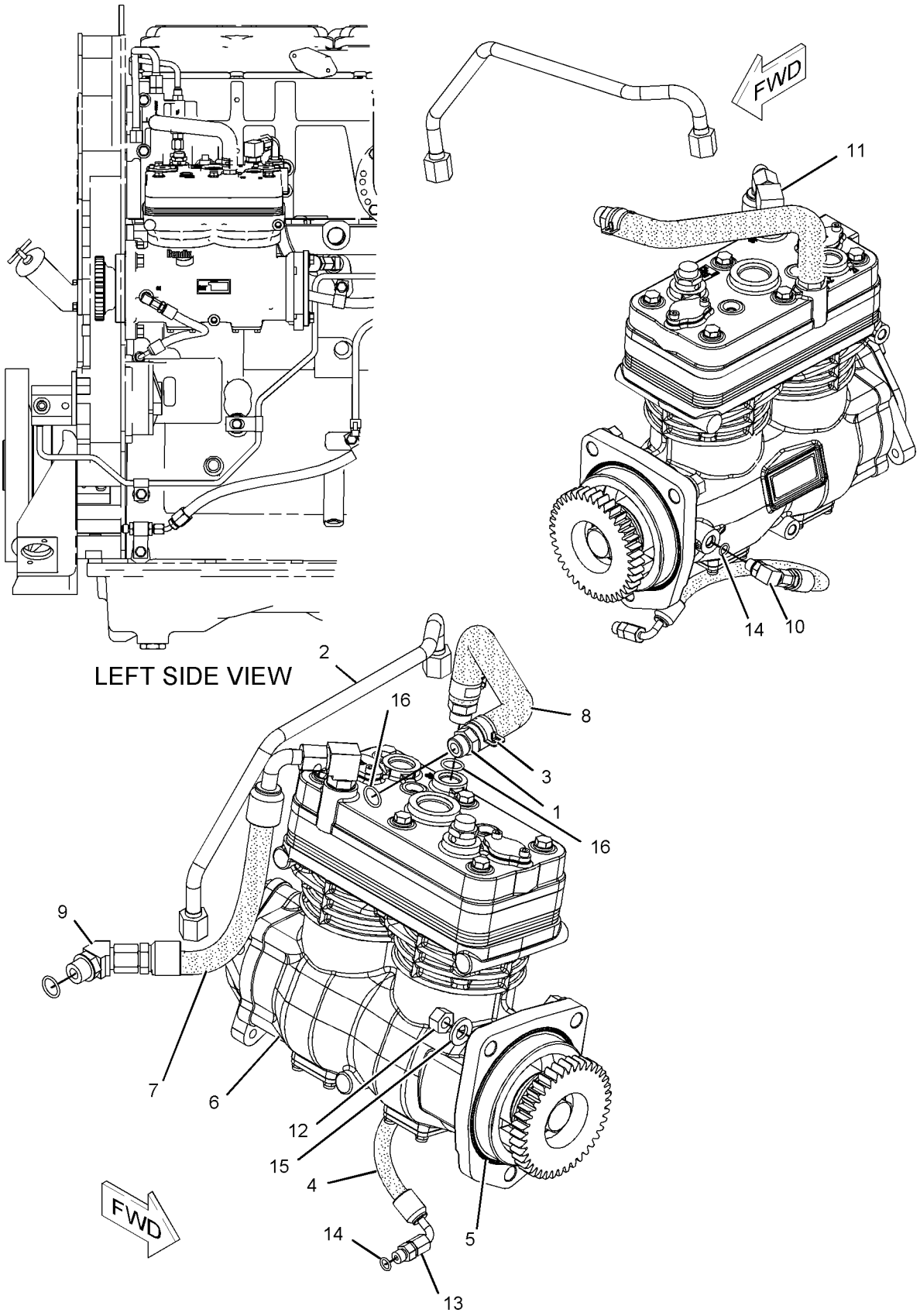
S/N: JRE5438-UP
FOR USE WITH AIR LINES GROUP
AN ATTACHMENT

SMCS-1803 **i02940868**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**168-8806**	2	CONNECTOR	
	2	1	**172-3450**	1	TUBE AS	
	3	1	**172-4702**	2	CLAMP	
I	4	1	**220-1206**	1	HOSE AS	
	5	1	**223-3505**	1	SEAL (AIR COMPRESSOR)	
CY	6	1	**304-2693**	1	AIR COMPRESSOR GP	52
I	7	1	**235-0183**	1	HOSE AS	
	8	1	**235-0313**	1	HOSE	
	9	1	**030-7943**	1	ELBOW	
	10	1	**030-7946**	1	ELBOW	
	11	1	**118-4728**	1	ELBOW	
	12	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	13	1	**3J-7352**	1	CONNECTOR	
	14	1	**3J-7354**	2	SEAL-O-RING	
	15	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**6V-6609**	4	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

232-5187 **AIR COMPRESSOR GP** *(contd.)* **i02940868**



GRAPHIC #1

<END>

g01035844

BASIC ENGINE

269-5347 AIR COMPRESSOR GP

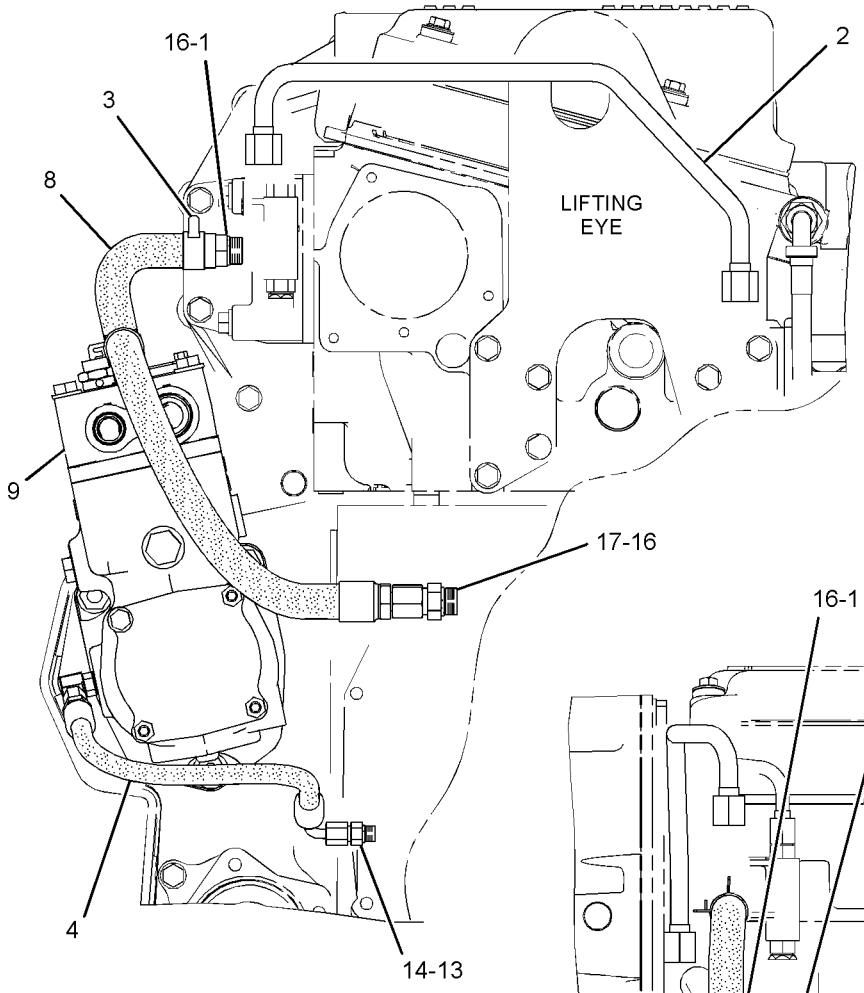
S/N: JRE1-4904
FOR USE WITH 270-6924—PAGE 274
AN ATTACHMENT

SMCS-1803 **i02729020**

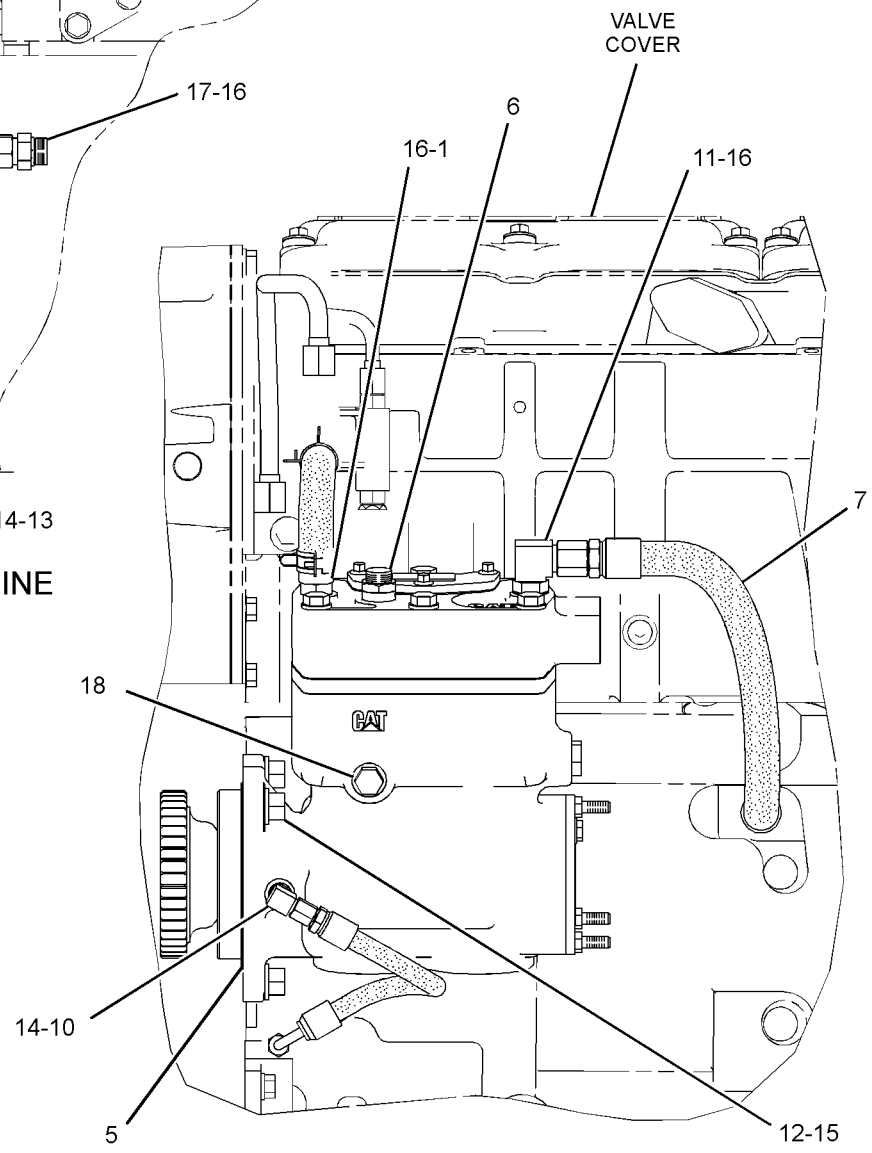
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-1438**	2	CONNECTOR	
	2	1	**172-3450**	1	TUBE AS	
	3	1	**172-4702**	2	CLAMP	
I	4	1	**220-1206**	1	HOSE AS	
	5	1	**223-3505**	1	SEAL	
	6	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING	
	7	1	**270-6916**	1	HOSE AS	
	8	1	**270-6917**	1	HOSE	
YR	9	1	**286-0474**	1	AIR COMPRESSOR GP	50
	10	1	**030-7946**	1	ELBOW	
	11	1	**118-4728**	1	ELBOW	
	12	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	13	1	**3J-7352**	1	CONNECTOR	
	14	1	**3J-7354**	2	SEAL-O-RING	
	15	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**6V-6609**	4	SEAL-O-RING	
	17	1	**8M-0505**	1	CONNECTOR	
	18	1	**9S-4191**	1	PLUG-O-RING	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

269-5347 **AIR COMPRESSOR GP** *(contd.)* **i02729020**



REAR VIEW OF ENGINE



LEFT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01372449

BASIC ENGINE

269-5347 AIR COMPRESSOR GP

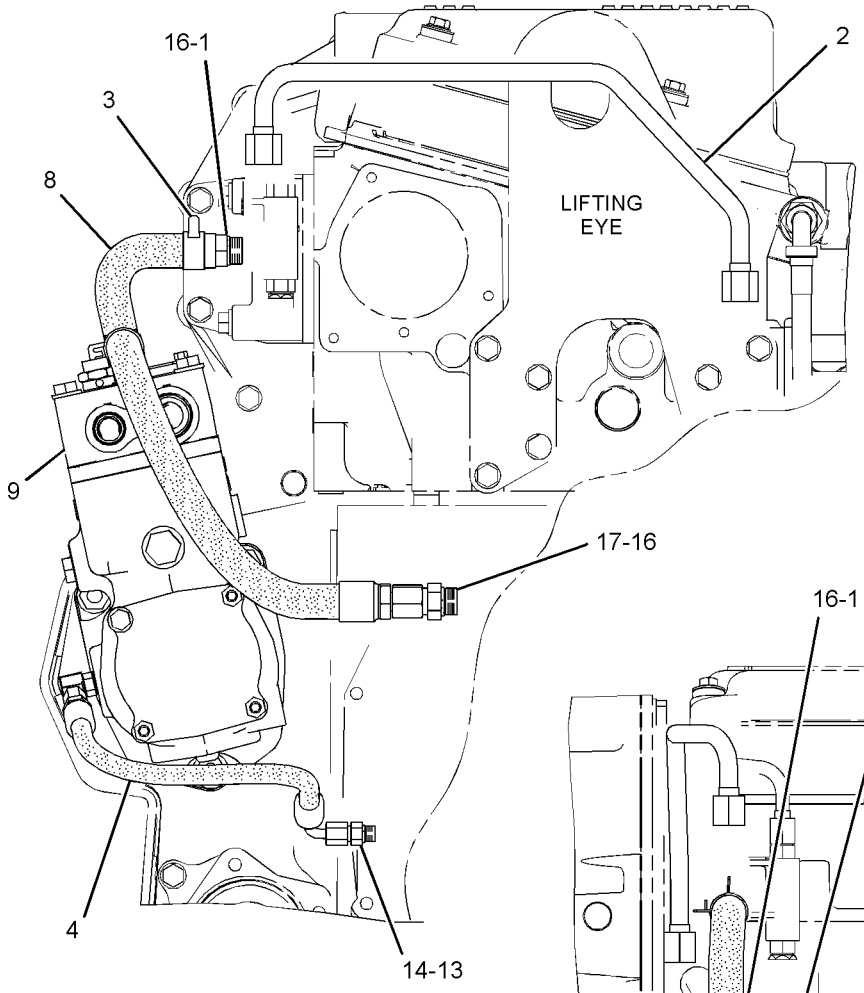
S/N: JRE4905-UP
FOR USE WITH 270-6924—PAGE 274
AN ATTACHMENT

SMCS-1803 **i03543005**

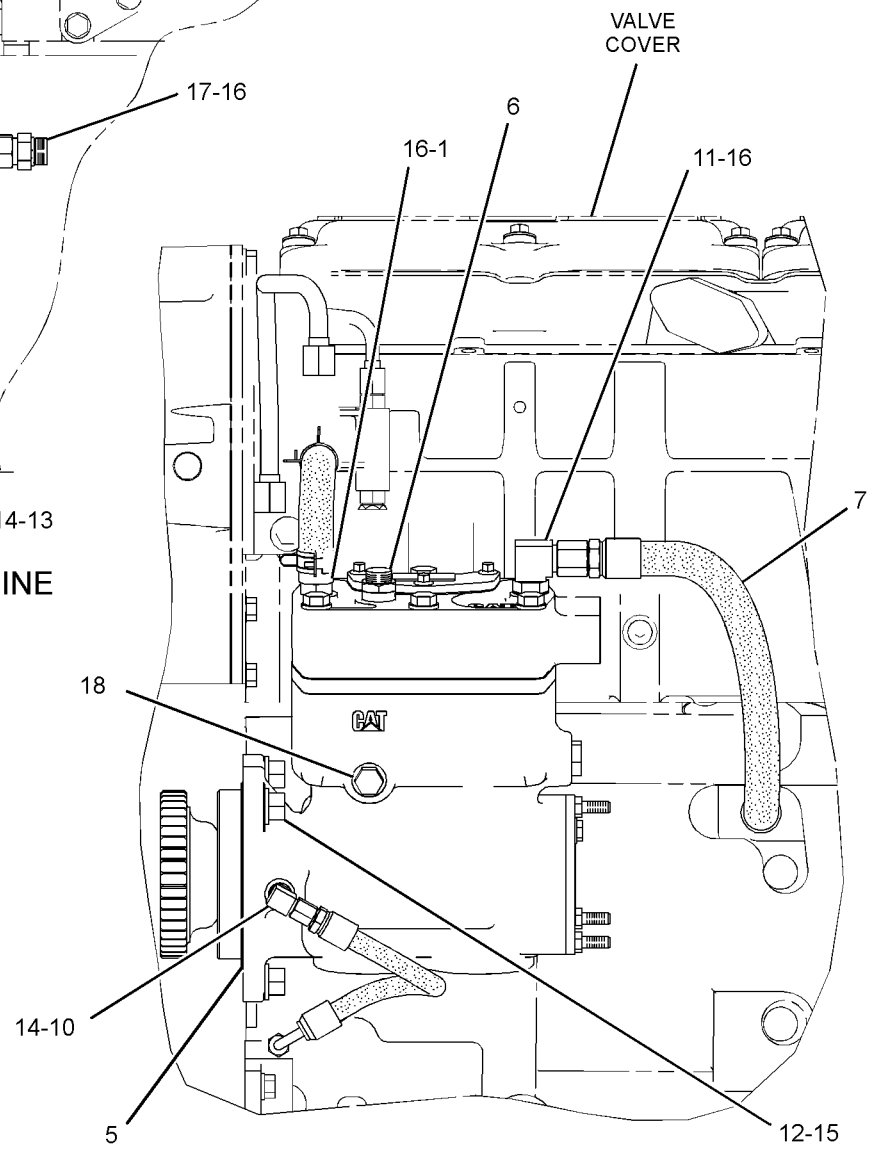
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-1438**	2	CONNECTOR	
	2	1	**172-3450**	1	TUBE AS	
	3	1	**172-4702**	2	CLAMP	
I	4	1	**220-1206**	1	HOSE AS	
	5	1	**223-3505**	1	SEAL	
	6	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING	
	7	1	**321-7384**	1	HOSE AS	
	8	1	**270-6917**	1	HOSE	
CYR	9	1	**314-6151**	1	AIR COMPRESSOR GP	55
	10	1	**030-7946**	1	ELBOW	
	11	1	**118-4728**	1	ELBOW	
	12	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	13	1	**3J-7352**	1	CONNECTOR	
	14	1	**3J-7354**	2	SEAL-O-RING	
	15	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**6V-6609**	4	SEAL-O-RING	
	17	1	**8M-0505**	1	CONNECTOR	
	18	1	**9S-4191**	1	PLUG-O-RING	

C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

269-5347 **AIR COMPRESSOR GP** *(contd.)* **i03543005**



REAR VIEW OF ENGINE



LEFT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01372449

286-0474 AIR COMPRESSOR GP*R

S/N: JRE1-4904

PART OF 269-5347 AIR COMPRESSOR GP

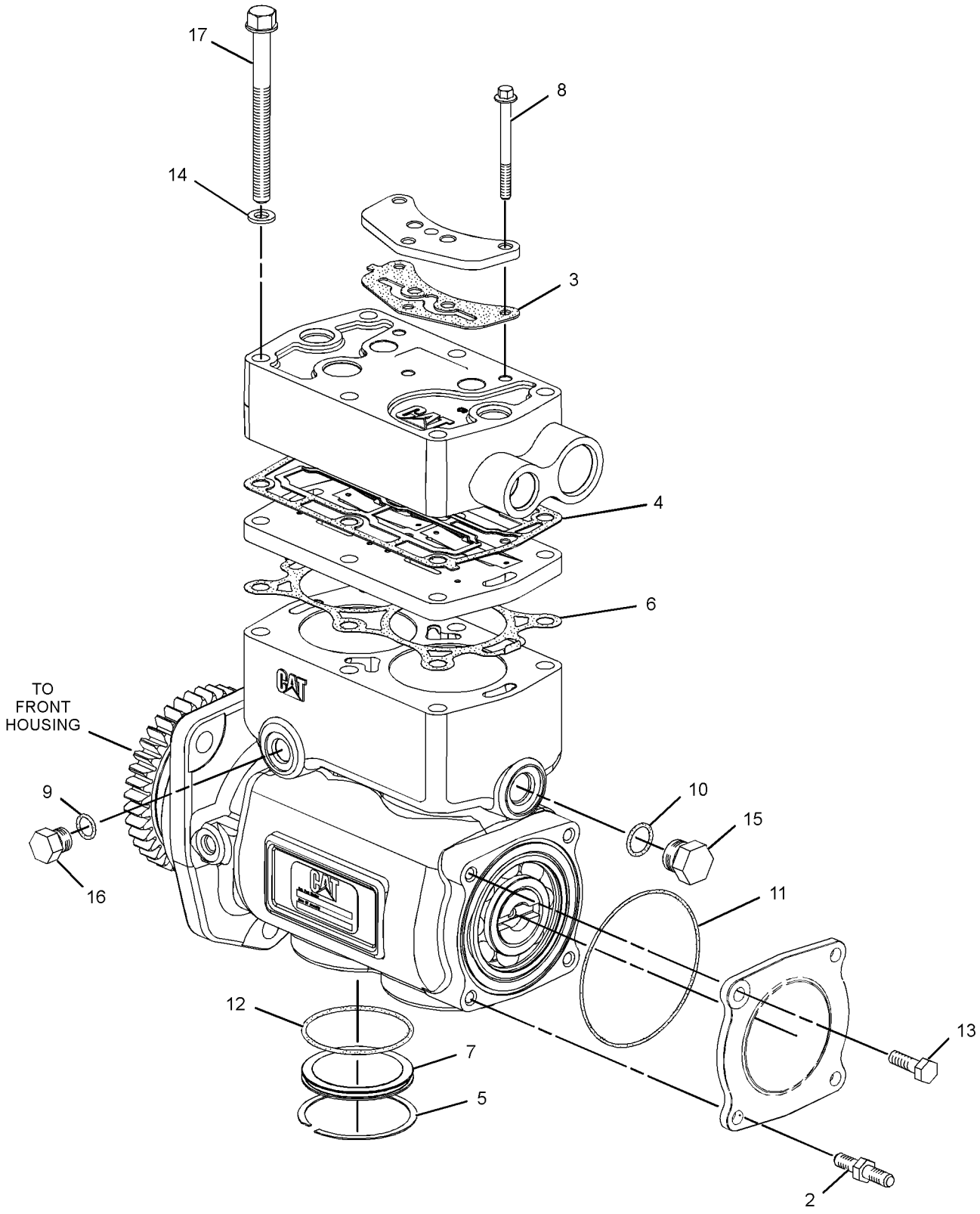
AN ATTACHMENT

SMCS-1803 **i03652719**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	2	1	**9X-2097**	3	STUD (M8X1.25-THD)	
J	3	1	**267-3443**	1	GASKET	
	4	1	**267-3444**	1	GASKET	
	5	1	**267-5212**	2	RING-RETAINING	
L	6	1	**287-1690**	1	GASKET	
	7	1	**288-1347**	2	PLUG	
JM	8	1	**271-8090**	3	BOLT-FLANGE HEAD (M6X1X65-MM)	
	9	1	**3J-1907**	1	SEAL-O-RING	
	10	1	**3K-0360**	1	SEAL-O-RING	
	11	1	**5E-8769**	1	SEAL-O-RING	
	12	1	**6D-7889**	2	SEAL-O-RING	
M	13	1	**6V-3940**	1	BOLT (M8X1.25X25-MM)	
	14	1	**8T-4224**	6	WASHER-HARD (8.8X16X2-MM THK)	
	15	1	**9S-4185**	1	PLUG-O-RING	
	16	1	**9S-4191**	1	PLUG-O-RING	
	17	1	**199-4317**	6	BOLT (M10X1.5X115-MM)	
					AVAILABLE REPAIR KIT(S):	
J			**267-6575**	1	KIT-UNLOADER (AIR COMPRESSOR)	
					(INCLUDES UNLOADER PIN SEAL-O-RINGS, UNLOADER PIN SPRINGS, UNLOADER COVER BOLTS, GASKET, AND A TUBE OF GREASE-O-RING)	
L			**267-6576**	1	KIT-CYLINDER HEAD (AIR COMPRESSOR)	
					(INCLUDES CYLINDER HEAD AS, HEAD TO CRANKCASE BOLTS, AND A HEAD TO CRANKCASE GASKET)	

J-KIT MARKED J INCLUDES PARTS MARKED J
L-KIT MARKED L INCLUDES PARTS MARKED L
M-METRIC PART

286-0474 AIR COMPRESSOR GP *(contd.)* **i03652719**



GRAPHIC #1 **<END>** g01255540

BASIC ENGINE

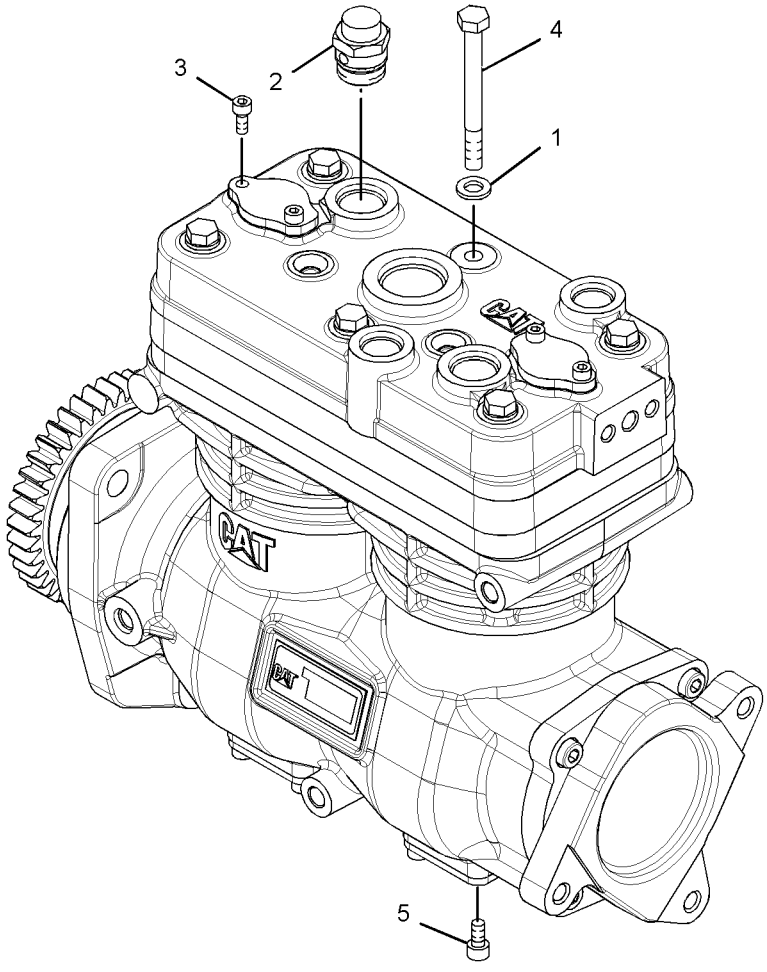
304-2693 AIR COMPRESSOR GP

S/N: JRE5438-UP
31 CFM
PART OF 232-5187 AIR COMPRESSOR GP
AN ATTACHMENT

SMCS-1803 **i02756261**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9M-1974**	6	WASHER-HARD (8.8X16X2-MM THK)	
	2	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING	
M	3	1	**099-2374**	4	BOLT-SOCKET HEAD (M5X0.8X12-MM)	
M	4	1	**6V-5221**	6	BOLT (M8X1.25X80-MM)	
M	5	1	**8T-0267**	8	BOLT-SOCKET HEAD (M6X1X12-MM)	
					PARTS SHOWN IN GRAPHIC(S) WITHOUT A REFERENCE NUMBER ARE NOT SERVICED SEPARATELY	
					AVAILABLE REPAIR KIT(S):	
			260-6821	1	KIT-SEAL (AIR COMPRESSOR)	
					(INCLUDES O-RING,COVER GASKETS & INSTRUCTION SHEET)	
			260-6822	2	KIT-UNLOADER (AIR COMPRESSOR)	
					(EACH INCLUDES UNLOADER CAP GASKET,SPRING,PISTONS & O-RINGS)	
			260-6823	1	KIT-GASKET (AIR COMPRESSOR)	
					(INCLUDES VALVE & GASKETS)	

M-METRIC PART



GRAPHIC #1 **<END>** g01383780

304-9991 AIR COMPRESSOR GP*R

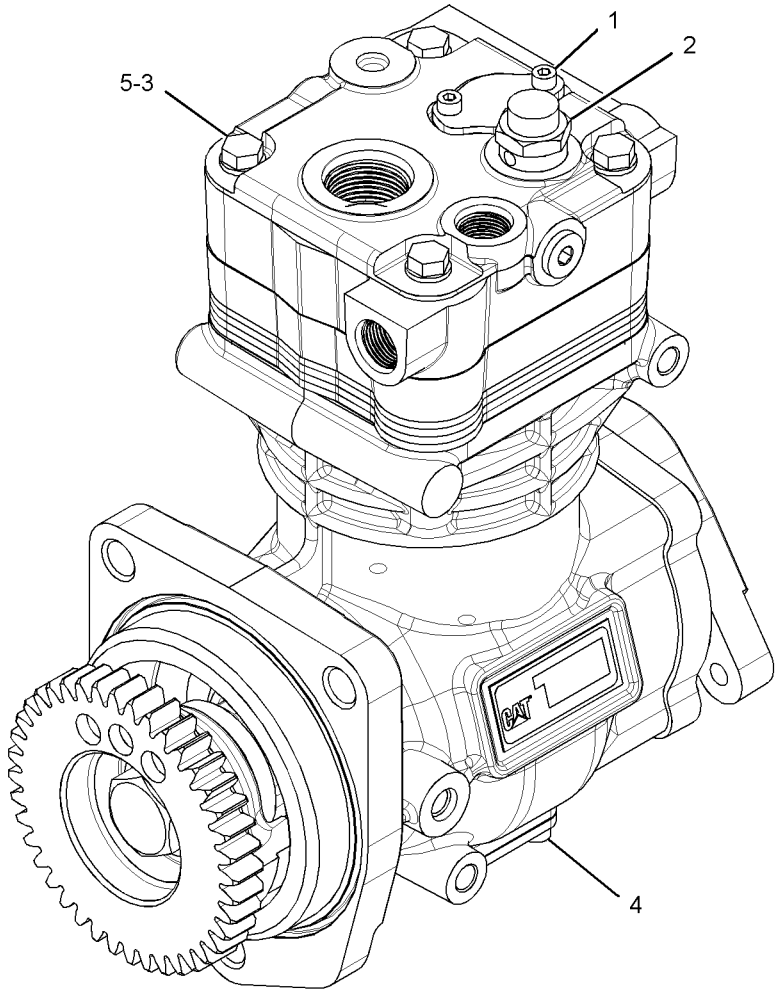
15.7 CFM
PART OF 222-2879 AIR COMPRESSOR GP
FIELD REPLACEMENT FOR 223-3637—PAGE 36
AN ATTACHMENT

SMCS-1803 **i03640761**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**099-2374**	2	BOLT-SOCKET HEAD (M5X0.8X12-MM)	
	2	1	**225-5222**	1	VALVE AS-PRESSURE RELIEF (AIR COMPRESSOR)	
		1	**2M-9780**	1	SEAL-O-RING (19.18-MM ID)	
M	3	1	**6V-5221**	4	BOLT (M8X1.25X80-MM)	
M	4	1	**8T-0267**	4	BOLT-SOCKET HEAD (M6X1X12-MM)	
	5	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
					AVAILABLE REPAIR KIT(S):	
			217-5232	1	KIT-GASKET (AIR COMPRESSOR)	
					(INCLUDES INLET REED VALVE/GASKET & CYLINDER HEAD GASKETS)	
			260-6821	1	KIT-SEAL (AIR COMPRESSOR)	
					(INCLUDES O-RING (END COVER), CRANKCASE COVER GASKETS, REAR COVER GASKET, & INSTRUCTION SHEET)	
			335-6328	1	KIT-UNLOADER (AIR COMPRESSOR)	
					(INCLUDES UNLOADER CAP GASKET, ESS BALANCE PISTON, ESS SPRING, ESS PISTON, & TOP, MIDDLE, & BOTTOM O-RINGS)	
			329-0223	1	KIT-HEAD (AIR COMPRESSOR)	
					(INCLUDES CYLINDER HEAD AS, INLET REED/ GASKET, CYLINDER HEAD BOLTS, & INSTRUCTION SHEET)	

M-METRIC PART

304-9991 AIR COMPRESSOR GP *(contd.)* **i03640761**



GRAPHIC #1 **<END>** g01702873

314-6151 AIR COMPRESSOR GP*R

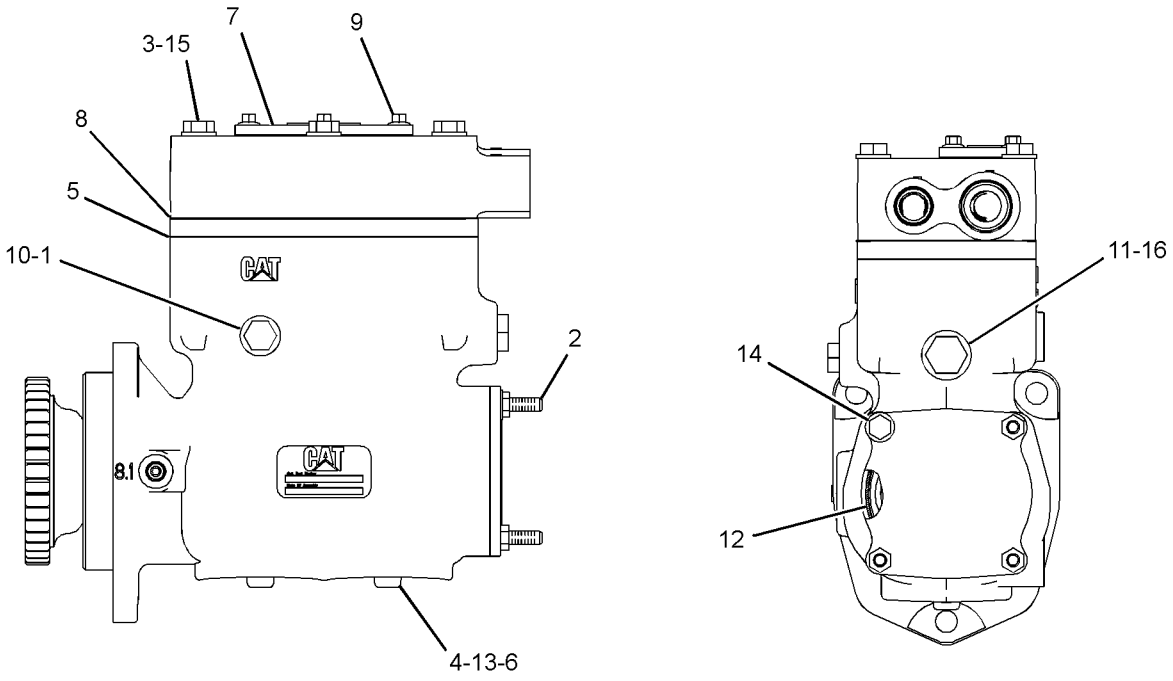
S/N: JRE4905-UP
PART OF 269-5347 AIR COMPRESSOR GP
AN ATTACHMENT

SMCS-1803 **i03652718**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9S-4191**	1	PLUG-O-RING	
M	2	1	**9X-2097**	3	STUD (M8X1.25-THD)	
	3	1	**199-4317**	6	BOLT (M10X1.5X115-MM)	
	4	1	**267-5212**	2	RING-RETAINING	
	5	1	**287-1690**	1	GASKET	
	6	1	**288-1347**	2	PLUG	
	7	1	**307-6192**	1	GASKET	
	8	1	**307-6200**	1	GASKET	
M	9	1	**271-8090**	3	BOLT-FLANGE HEAD (M6X1X65-MM)	
	10	1	**3J-1907**	1	SEAL-O-RING	
	11	1	**3K-0360**	1	SEAL-O-RING	
	12	1	**5E-8769**	1	SEAL-O-RING	
	13	1	**6D-7889**	2	SEAL-O-RING	
M	14	1	**6V-3940**	1	BOLT (M8X1.25X25-MM)	
	15	1	**6V-5839**	6	WASHER (11X21X2.5-MM THK)	
	16	1	**9S-4185**	1	PLUG-O-RING	
F			**307-6205**	1	KIT-UNLOADER (AIR COMPRESSOR)	
F			**307-6209**	1	KIT-CYLINDER HEAD (AIR COMPRESSOR)	

F-NOT SHOWN
M-METRIC PART

314-6151 AIR COMPRESSOR GP *(contd.)* i03652718



GRAPHIC #1 **<END>** g01471873

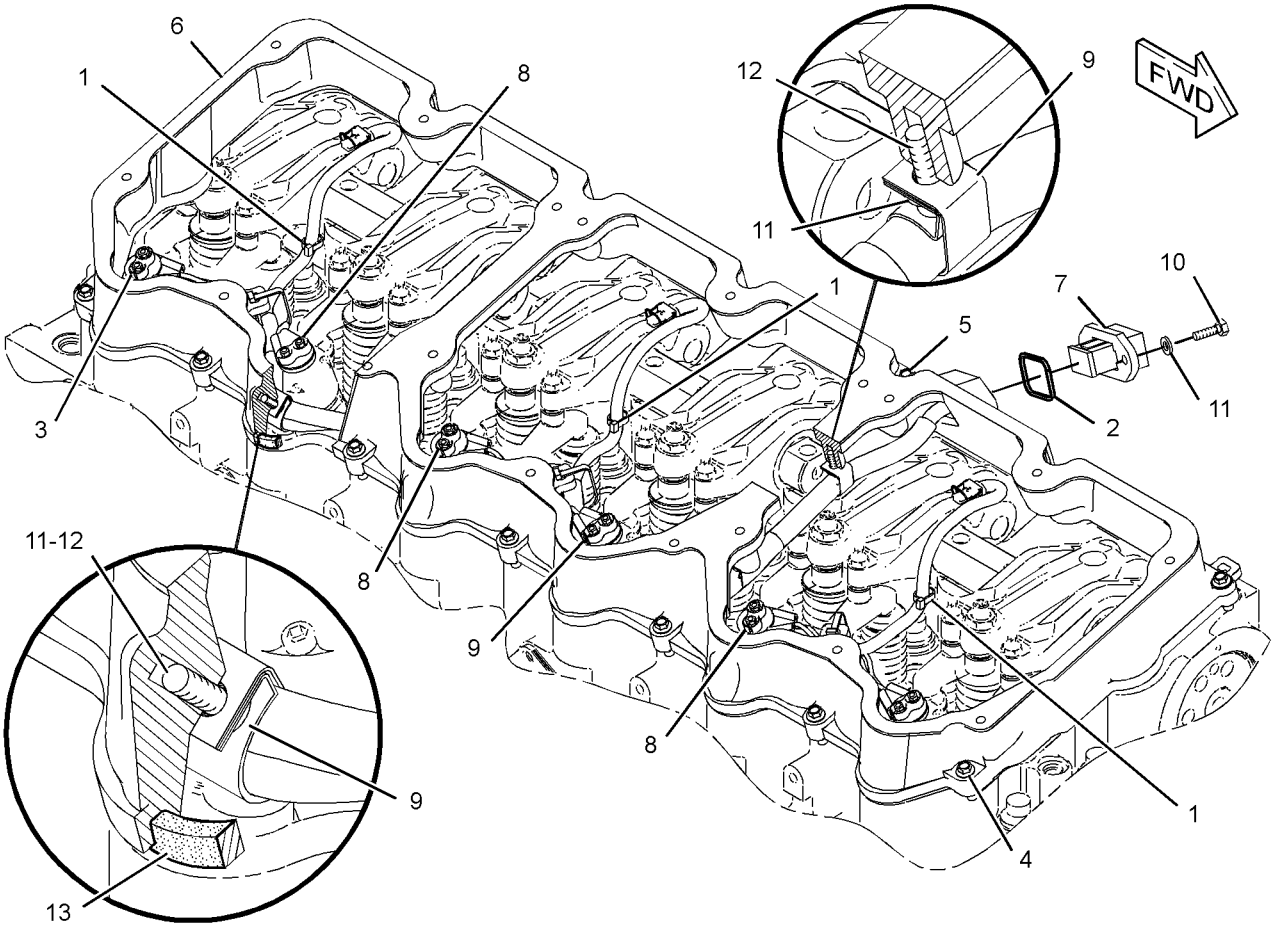
234-5005 BASE GP-VALVE COVER & INJ HARN

S/N: JRE106-878, 2682-4360
ALSO AN ATTACHMENT

SMCS-1120, 1408 **i03622540**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**123-3202**	3	STRAP-CABLE	
	2	1	**6V-0128**	1	SEAL-CONNECTOR	
	3	1	**7E-6508**	6	CAP AS	
	4	1	**9L-8925**	14	BOLT (5/16-18X1.25-IN)	
	5	1	**122-1472**	1	BOLT (5/16-18X2.36-IN)	
	6	1	**177-4152**	1	BASE-VALVE MECHANISM COVER	
	7	1	**234-5002**	1	HARNESS AS-ENGINE (INJECTOR, VARIABLE VALVE)	
		1	**102-8801**	1	KIT-RECEPTACLE (12-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**103-8134**	1	KIT-RECEPTACLE (12-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**3S-2093**	6	STRAP-CABLE	
E		1	**119-3662**		TUBE-HEAT SHRINK (10.85-MM DIA) (13-CM)	
E		1	**125-7875**		TUBE-HEAT SHRINK (7.44-MM DIA) (15-CM)	
		1	**9X-3401**	12	PIN-CONNECTOR (16-GA TO 18-GA)	
					—OR—	
		1	**126-1767**	12	PIN-CONNECTOR (14-GA)	
	8	1	**100-5218**	3	CLIP	
	9	1	**100-5219**	3	CLIP	
	10	1	**4F-7957**	2	BOLT (1/4-20X0.875-IN)	
	11	1	**5P-0537**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**8H-3127**	6	BOLT (1/4-20X0.75-IN)	
	13	1	**5P-5678**	1	SEAL	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g01677199

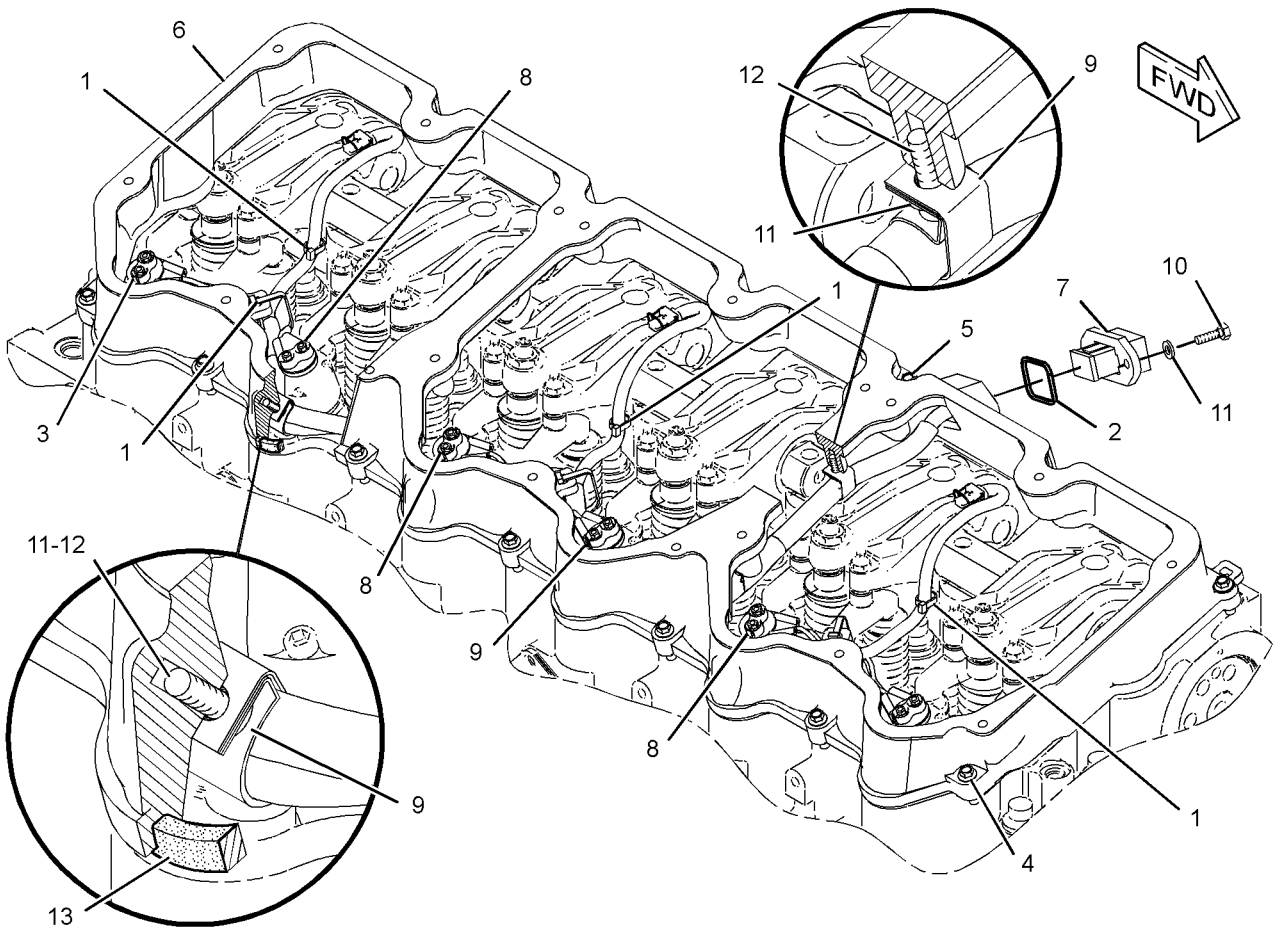
234-5005 BASE GP-VALVE COVER & INJ HARN

S/N: JRE5232-6199
AN ATTACHMENT

SMCS-1120, 1408 **i03372400**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**123-3202**	6	STRAP-CABLE	
	2	1	**6V-0128**	1	SEAL-CONNECTOR	
	3	1	**7E-6508**	6	CAP AS	
	4	1	**9L-8925**	14	BOLT (5/16-18X1.25-IN)	
	5	1	**122-1472**	1	BOLT (5/16-18X2.36-IN)	
C	6	1	**289-8215**	1	BASE-VALVE MECHANISM COVER	
	7	1	**234-5002**	1	HARNESS AS-ENGINE (INJECTOR, VARIABLE VALVE)	
	8	1	**100-5218**	3	CLIP	
	9	1	**100-5219**	3	CLIP	
	10	1	**4F-7957**	2	BOLT (1/4-20X0.875-IN)	
	11	1	**5P-0537**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**8H-3127**	6	BOLT (1/4-20X0.75-IN)	
C	13	1	**272-0390**	1	SEAL	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01418424

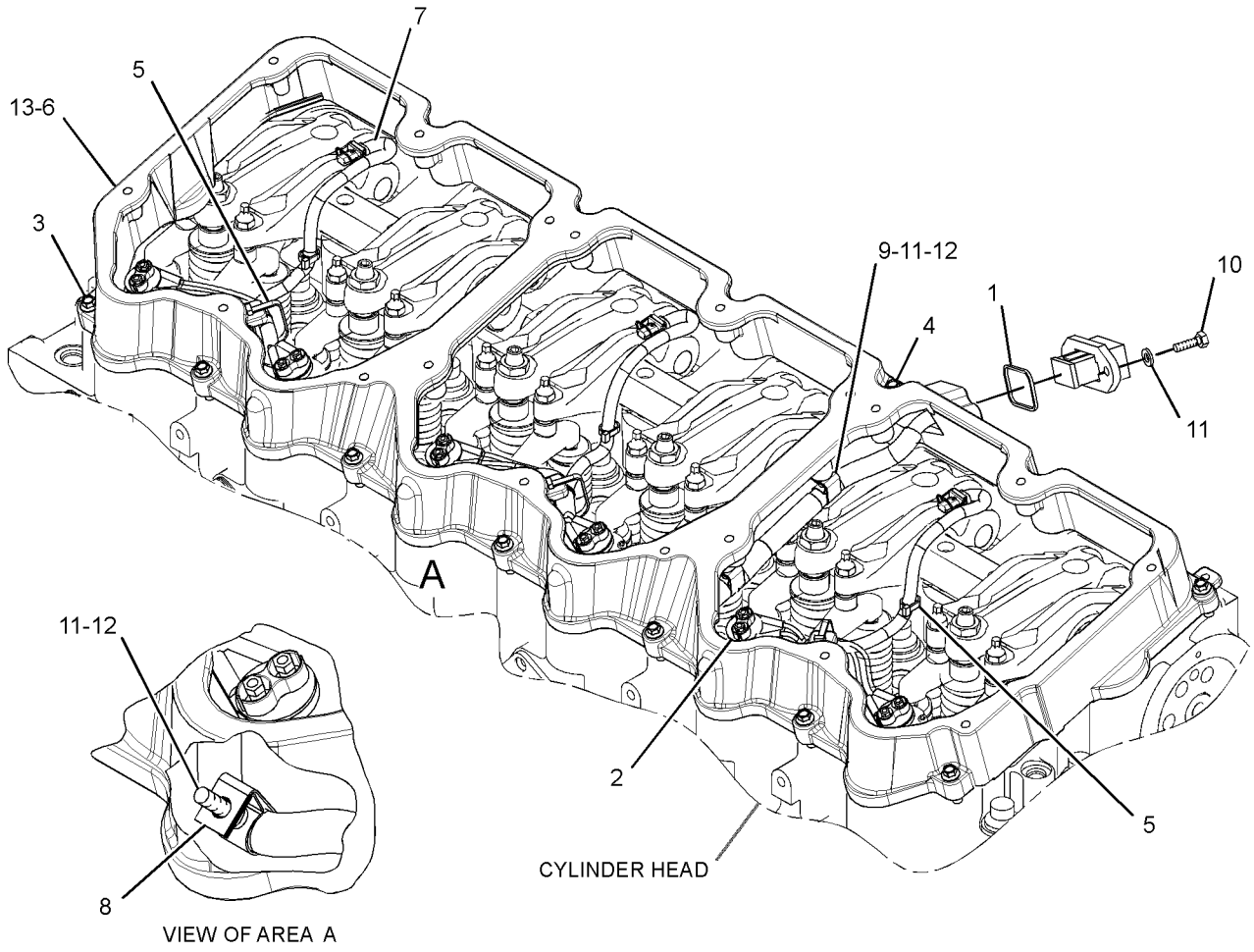
234-5005 BASE GP-VALVE COVER & INJ HARN

S/N: JRE9895-UP

ALSO AN ATTACHMENT

SMCS-1120, 1408 **i03640766**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-0128**	1	SEAL-CONNECTOR	
	2	1	**7E-6508**	6	CAP AS	
	3	1	**9L-8925**	14	BOLT (5/16-18X1.25-IN)	
	4	1	**122-1472**	1	BOLT (5/16-18X2.36-IN)	
	5	1	**123-3202**	6	STRAP-CABLE	
	6	1	**289-8215**	1	BASE-VALVE MECHANISM COVER	
	7	1	**307-1610**	1	HARNESS AS-ENGINE	
		1	**3S-2093**	6	STRAP-CABLE	
		1	**103-8134**		KIT-RECEPTACLE (12-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	8	1	**100-5218**	3	CLIP	
	9	1	**100-5219**	3	CLIP	
	10	1	**4F-7957**	2	BOLT (1/4-20X0.875-IN)	
	11	1	**5P-0537**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**8H-3127**	6	BOLT (1/4-20X0.75-IN)	
	13	1	**272-0390**	1	SEAL	



GRAPHIC #1 **<END>** g01745775

BASIC ENGINE

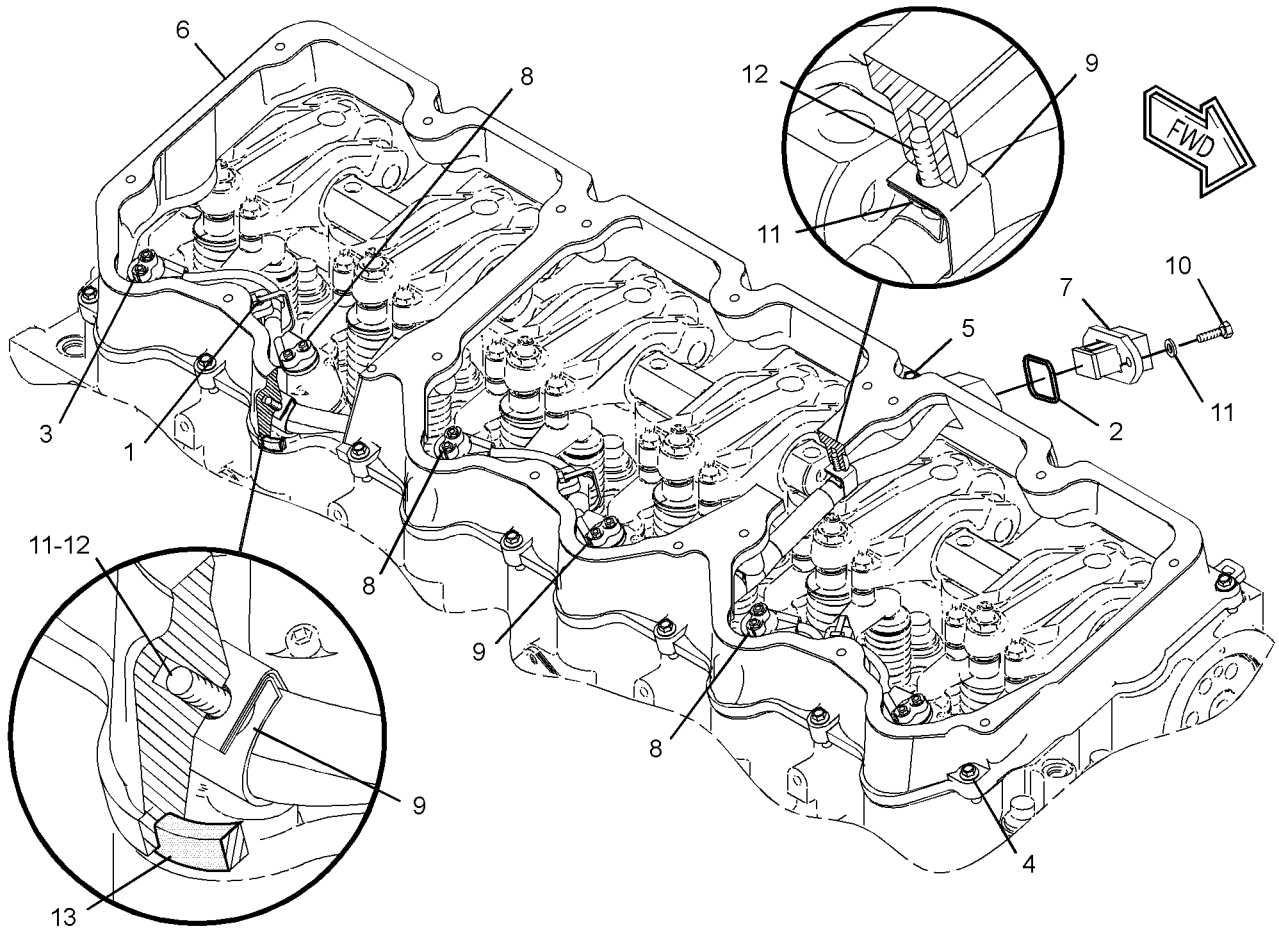
278-5662 BASE GP-VALVE COVER & INJ HARN

S/N: JRE876-5231
ALSO AN ATTACHMENT

SMCS-1120, 1408 **i02673384**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**123-3202**	3	STRAP-CABLE	
	2	1	**6V-0128**	1	SEAL-CONNECTOR	
	3	1	**7E-6508**	6	CAP AS	
	4	1	**9L-8925**	14	BOLT (5/16-18X1.25-IN)	
	5	1	**122-1472**	1	BOLT (5/16-18X2.36-IN)	
	6	1	**177-4152**	1	BASE-VALVE MECHANISM COVER	
	7	1	**278-5657**	1	HARNESS AS-ENGINE (UNIT INJECTOR)	
		1	**103-8134**	1	KIT-RECEPTACLE (12-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	8	1	**100-5218**	3	CLIP	
	9	1	**100-5219**	3	CLIP	
	10	1	**4F-7957**	2	BOLT (1/4-20X0.875-IN)	
	11	1	**5P-0537**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**8H-3127**	6	BOLT (1/4-20X0.75-IN)	
D	13	1	**5P-5678**		SEAL (2.9-M)	

D-ORDER BY THE METER



GRAPHIC #1 **<END>** g01213201

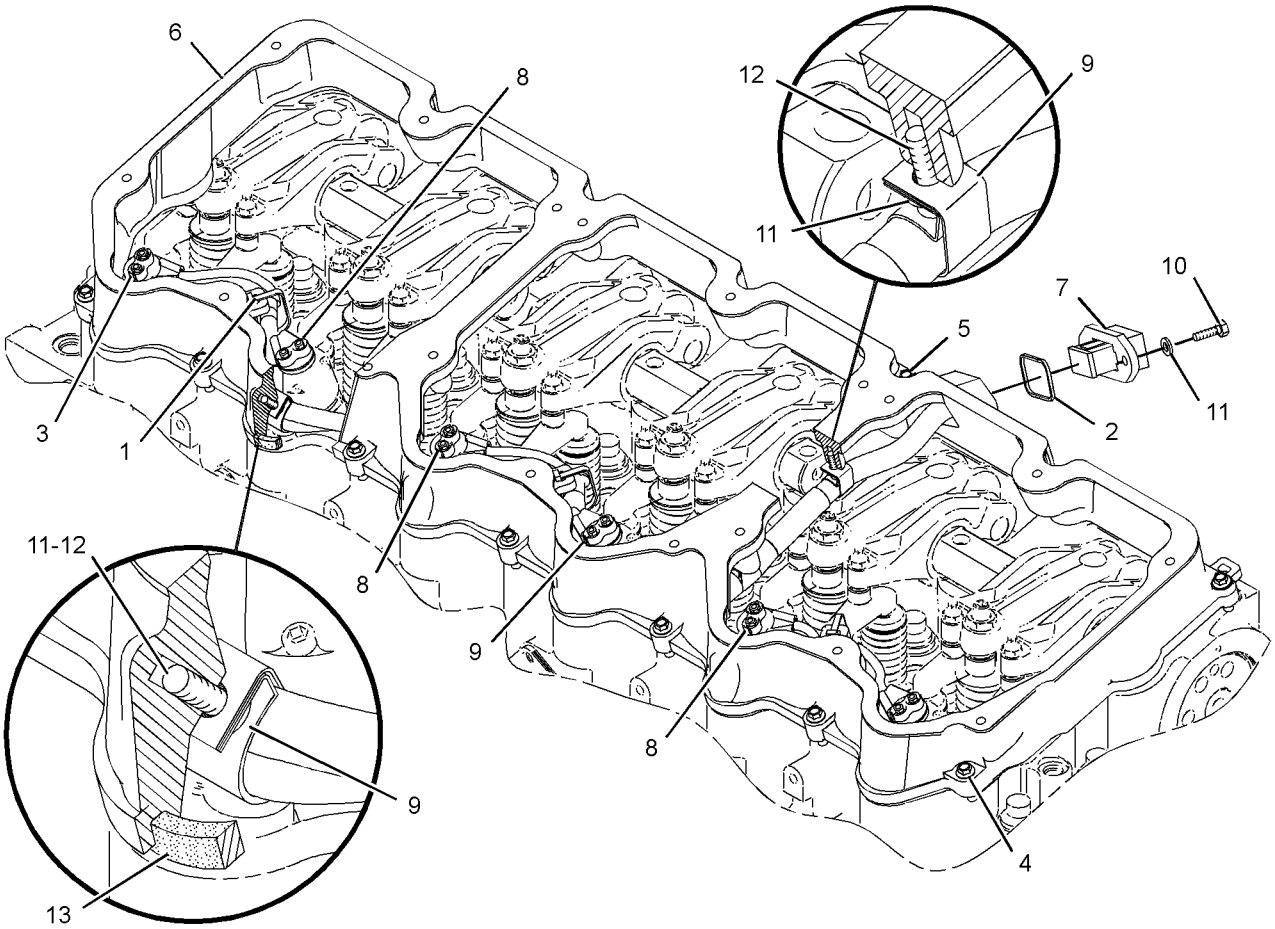
278-5662 BASE GP-VALVE COVER & INJ HARN

ALSO AN ATTACHMENT

SMCS-1120, 1408 **i03649107**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**123-3202**	3	STRAP-CABLE	
	2	1	**6V-0128**	1	SEAL-CONNECTOR	
	3	1	**7E-6508**	6	CAP AS	
	4	1	**9L-8925**	14	BOLT (5/16-18X1.25-IN)	
	5	1	**122-1472**	1	BOLT (5/16-18X2.36-IN)	
C	6	1	**289-8215**	1	BASE-VALVE MECHANISM COVER	
	7	1	**343-9866**	1	HARNESS AS-ENGINE (UNIT INJECTOR)	
		1	**103-8134**	1	KIT-RECEPTACLE (12-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	8	1	**100-5218**	3	CLIP	
	9	1	**100-5219**	3	CLIP	
	10	1	**4F-7957**	2	BOLT (1/4-20X0.875-IN)	
	11	1	**5P-0537**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**8H-3127**	6	BOLT (1/4-20X0.75-IN)	
C	13	1	**272-0390**	1	SEAL	

C-CHANGE FROM PREVIOUS TYPE



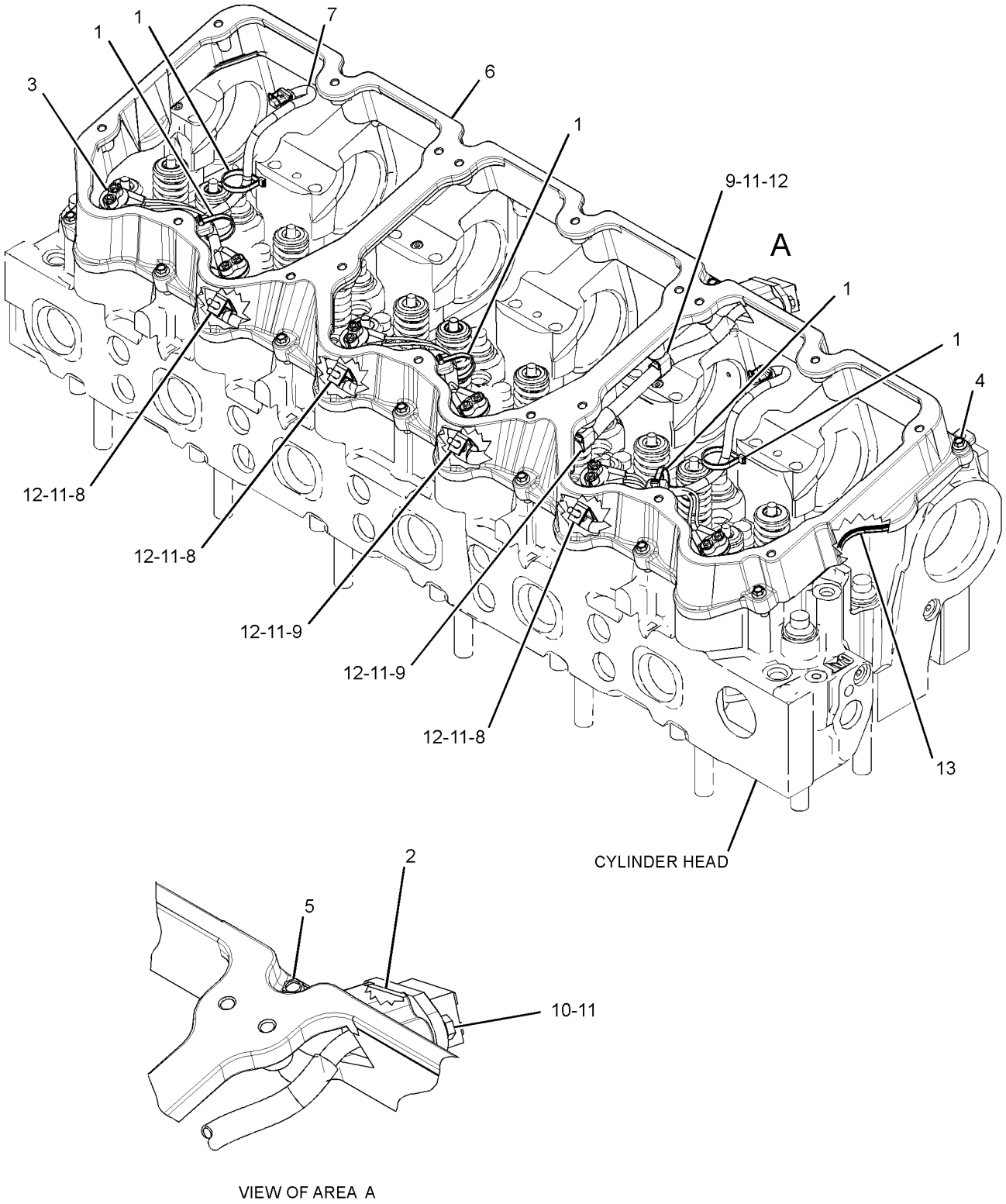
GRAPHIC #1 **<END>** g01436044

344-6077 BASE GP-VALVE COVER & INJ HARN

SMCS-1120, 1408 **i03627546**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	5	STRAP-CABLE	
	2	1	**6V-0128**	1	SEAL-CONNECTOR	
	3	1	**7E-6508**	6	CAP AS	
	4	1	**9L-8925**	14	BOLT (5/16-18X1.25-IN)	
	5	1	**122-1472**	1	BOLT (5/16-18X2.36-IN)	
	6	1	**289-8215**	1	BASE-VALVE MECHANISM COVER	
	7	1	**344-6076**	1	HARNESS AS-ENGINE	
		1	**103-8134**	1	KIT-RECEPTACLE (12-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	8	1	**100-5218**	3	CLIP	
	9	1	**100-5219**	3	CLIP	
	10	1	**4F-7957**	2	BOLT (1/4-20X0.875-IN)	
	11	1	**5P-0537**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**8H-3127**	6	BOLT (1/4-20X0.75-IN)	
	13	1	**272-0390**	1	SEAL	

344-6077 **BASE GP-VALVE COVER & INJ HARN** *(contd.)* **i03627546**



GRAPHIC #1 **<END>** g01947573

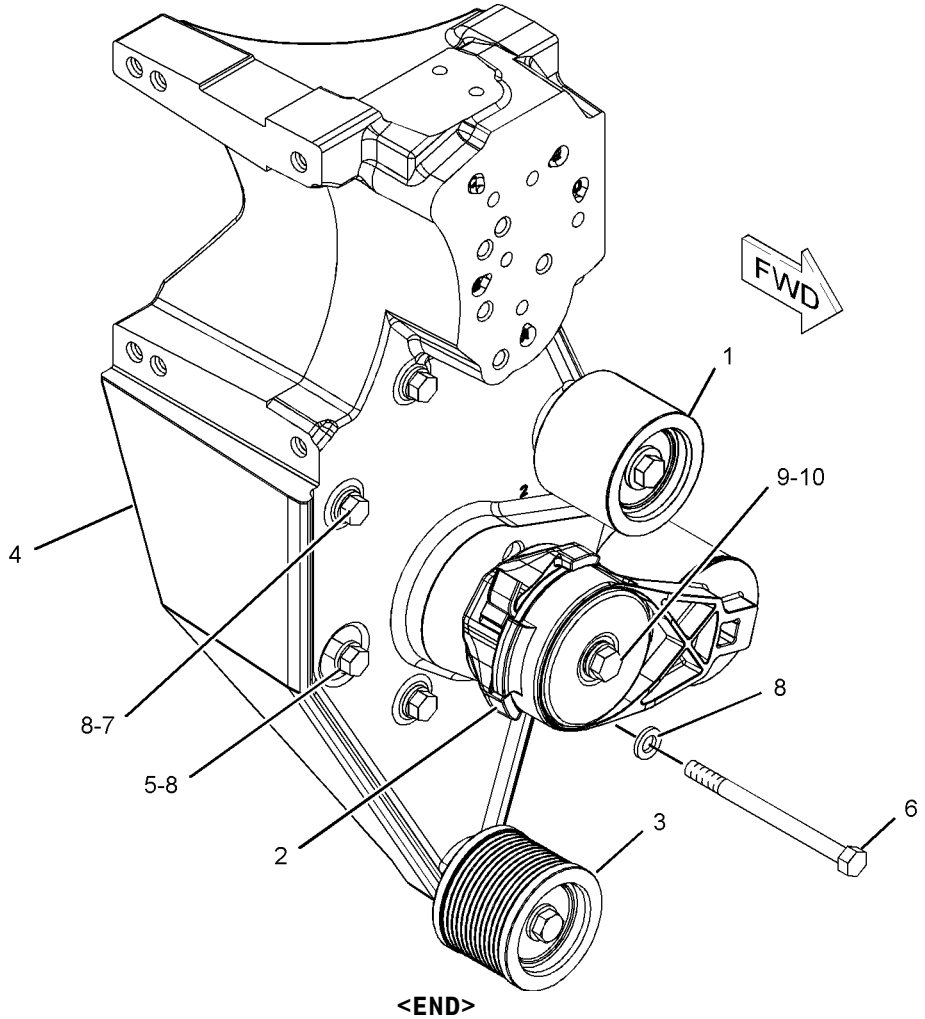
240-8213 BELT TENSIONER GP

PROVIDES ALTERNATOR MOUNTING BRACKET, TENSIONERS, AND IDLERS FOR A 12 GROOVE POLY-RIB FAN/ALTERNATOR DRIVE, REQUIRED FOR SPECIALTY HIGH HORSEPOWER FANS OR FAN RATIOS: 1.2:1
FOR USE WITH 240-8214—PAGE 310, PAD MOUNTED ALTERNATORS AND FAN CENTERS DISTANCES FROM 11 INCH TO 19 INCH, 240-8658—PAGE 373
AN ATTACHMENT

SMCS-1358 **i03555762**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**224-9775**	1	PULLEY AS-IDLER	
	2	1	**336-8955**	1	BELT TENSIONER (ALTERNATOR BELT MOUNTING)	
	3	1	**236-2314**	1	PULLEY AS-IDLER (12-GROOVE)	
	4	1	**239-0582**	1	SUPPORT	
	5	1	**0T-0055**	1	BOLT (3/8-16X4.25-IN)	
	6	1	**1A-5183**	1	BOLT (3/8-16X4.75-IN)	
	7	1	**5B-2638**	4	BOLT (3/8-16X5.25-IN)	
	8	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	9	1	**6V-5839**	1	WASHER (11X21X2.5-MM THK)	
M	10	1	**8T-0644**	1	BOLT (M10X1.5X90-MM)	

M-METRIC PART



GRAPHIC #1 **<END>** g01045354

118-4914 BELT TIGHTENER GP

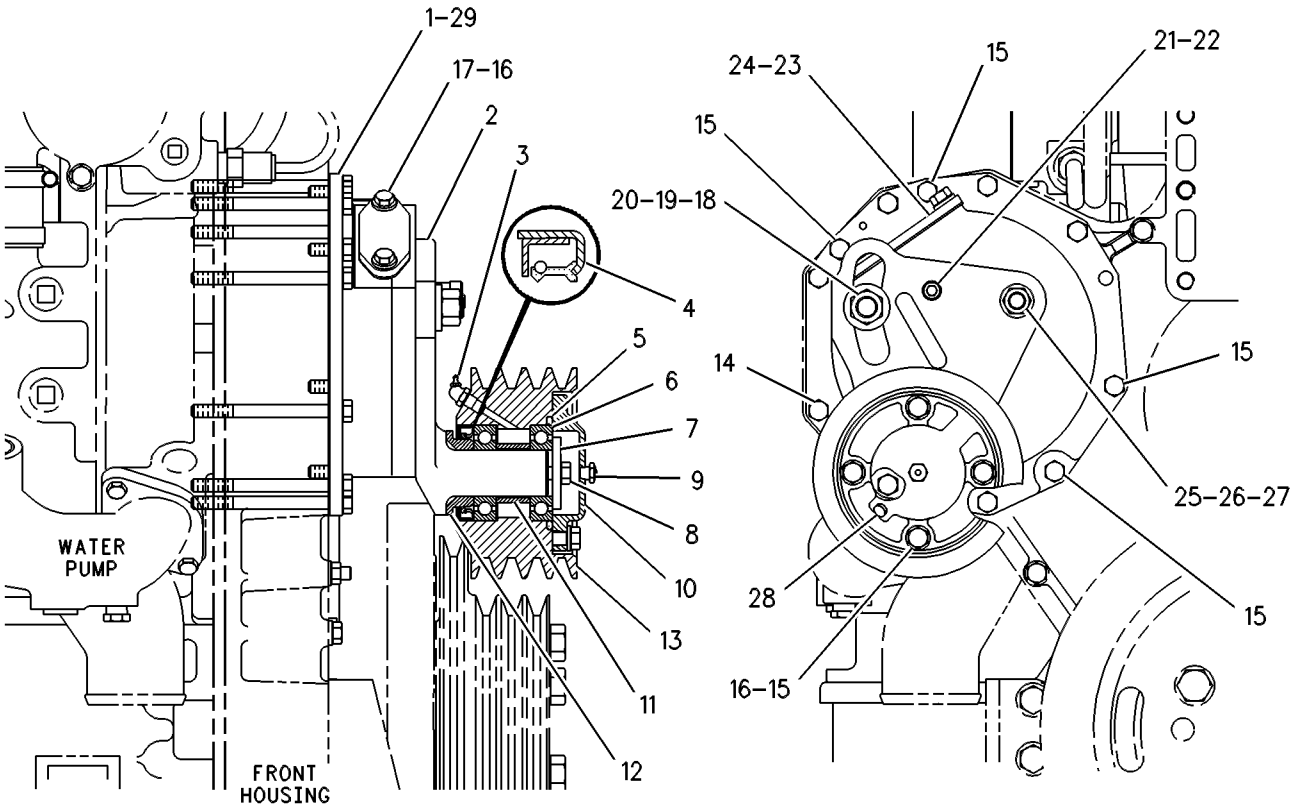
FOR USE WITH FIXED CENTER DRIVES

AN ATTACHMENT

SMCS-1358 **i03676942**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-6821**	1	COVER	
	2	1	**9N-0316**	1	BRACKET-PULLEY	
	3	1	**3B-8485**	1	FITTING-GREASE (1/8-27-THD) (BELT TIGHTENER)	
	4	1	**5S-2106**	1	SEAL-LIP TYPE	
	5	1	**5F-3092**	1	SEAL-O-RING	
	6	1	**8H-9789**	2	BEARING AS-BALL	
	7	1	**2F-6262**	1	WASHER	
	8	1	**0S-1590**	2	BOLT (3/8-16X2-IN)	
	9	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF) (BELT TIGHTENER)	
	10	1	**1W-6134**	1	COVER	
	11	1	**9N-1012**	1	SPACER-BEARING (1.438X1.75X1-IN THK)	
	12	1	**9N-0311**	1	SPACER-BEARING	
	13	1	**3N-9583**	1	PULLEY-TIGHTENER (4-GROOVE)	
	14	1	**1A-5964**	7	BOLT (3/8-16X4.5-IN)	
	15	1	**0S-1594**	8	BOLT (3/8-16X1-IN)	
	16	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	17	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	18	1	**2D-8822**	1	STUD-TAPERLOCK (5/8-11X2.36-IN)	
	19	1	**2S-7593**	1	WASHER-HARD (17X35X5-MM THK)	
	20	1	**4K-0367**	1	NUT-FULL (5/8-11-THD)	
	21	1	**034-9362**	1	TUBE	
	22	1	**2D-4534**	1	BOLT-SOCKET HEAD (3/8-16X1-IN)	
	23	1	**4N-4526**	1	COVER	
	24	1	**2P-2720**	1	GASKET	
	25	1	**5M-1932**	1	STUD-TAPERLOCK (1/2-13X2.17-IN)	
	26	1	**2M-0849**	1	WASHER-HARD (13.5X25.5X5-MM THK)	
	27	1	**1F-7958**	1	NUT-FULL (1/2-13-THD)	
	28	1	**8L-2655**	1	PLUG-PIPE	
	29	1	**7W-5733**	1	GASKET	

118-4914 **BELT TIGHTENER GP** *(contd.)* **i03676942**



RIGHT SIDE VIEW FRONT VIEW

GRAPHIC #1 **<END>** g00252230

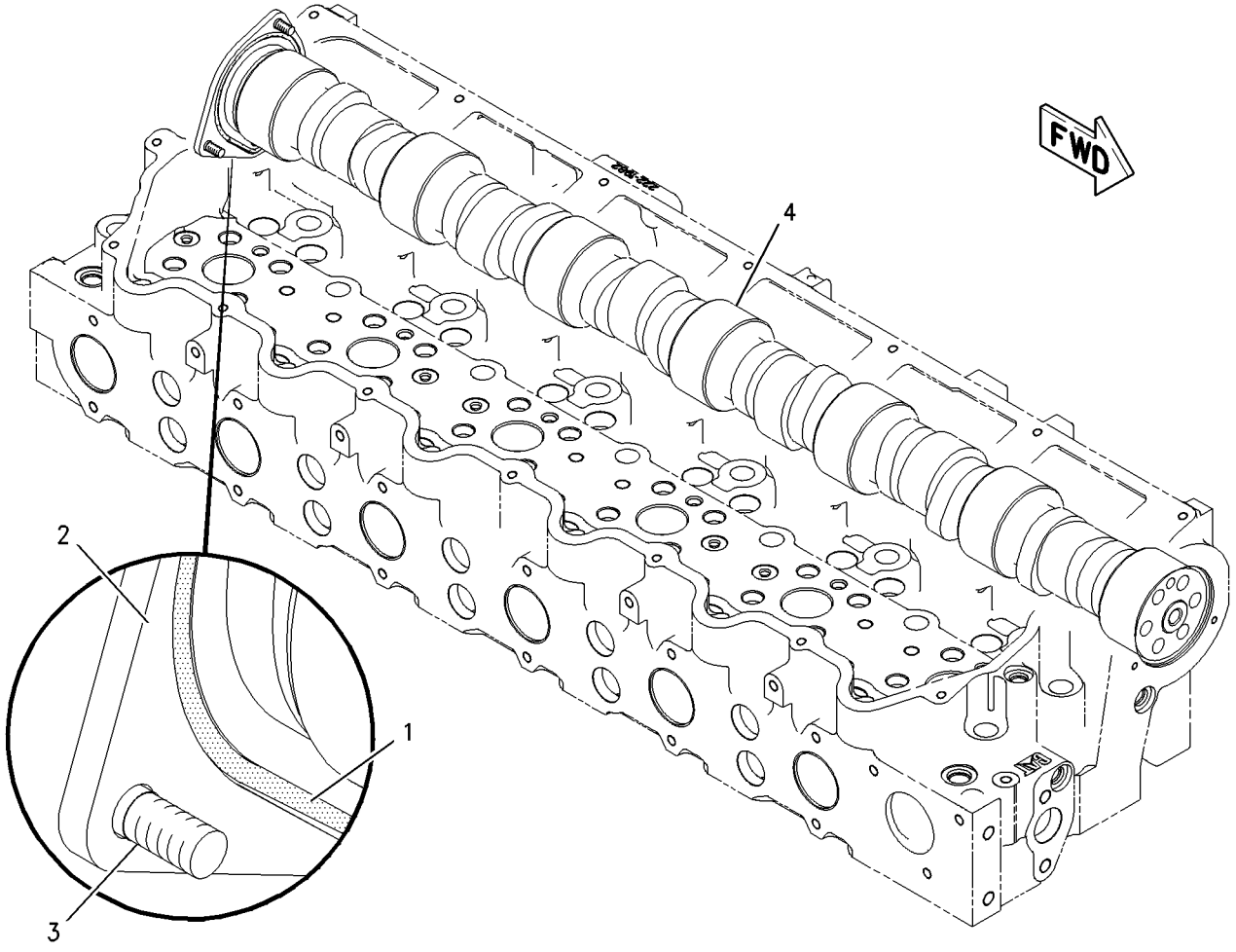
BASIC ENGINE

234-7935 CAMSHAFT GP

S/N: JRE106-7500
ALSO AN ATTACHMENT

SMCS-1210 **i03482504**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-1197**	1	SEAL-O-RING	
	2	1	**102-9089**	1	COVER	
	3	1	**119-0036**	3	SCREW-FLAT HEAD (5/16-18X0.875-IN)	
	4	1	**332-7298**	1	CAMSHAFT	



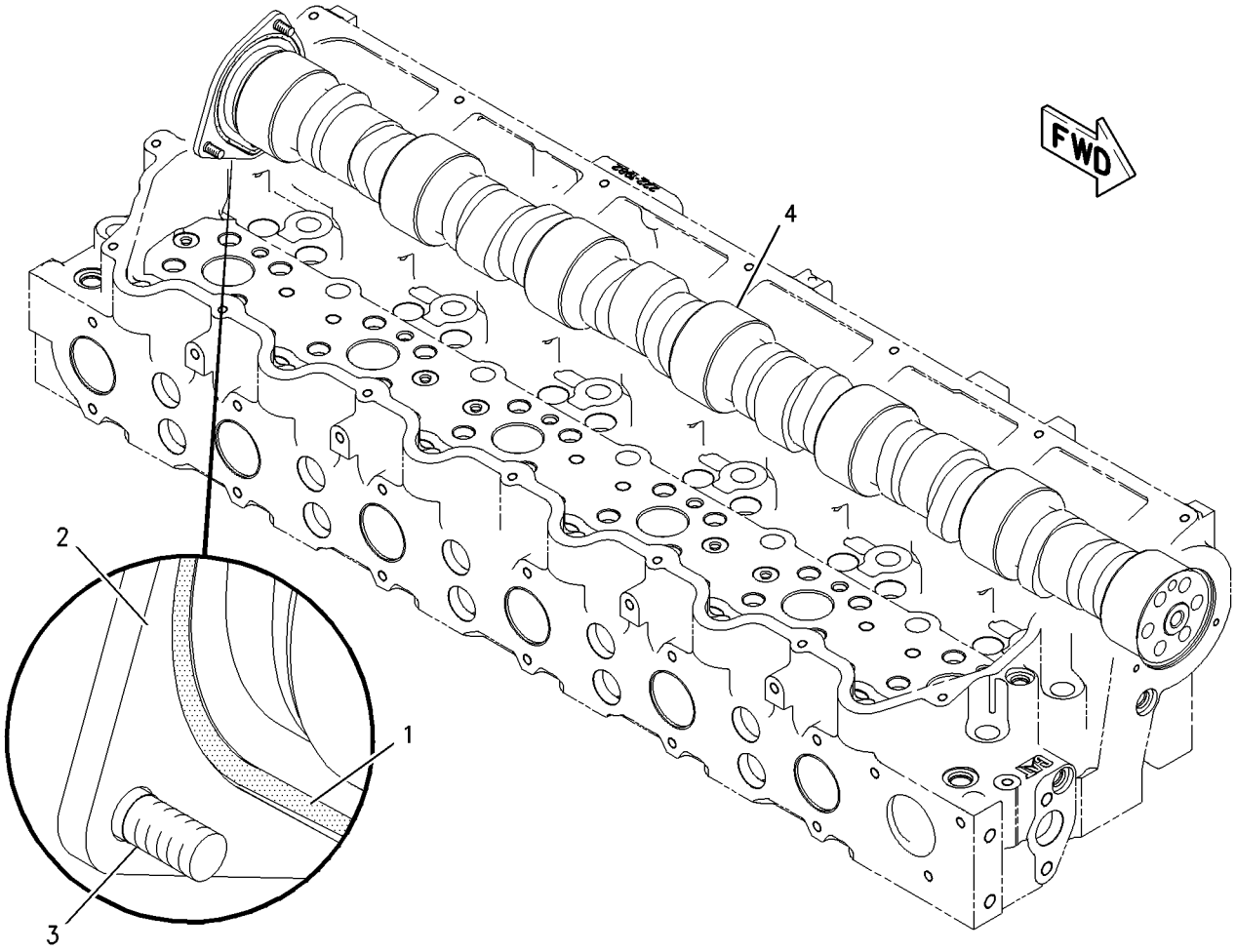
GRAPHIC #1 **<END>** g01002422

243-0551 CAMSHAFT GP

ALSO AN ATTACHMENT

SMCS-1210 **i03531784**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-1197**	1	SEAL-O-RING	
	2	1	**102-9089**	1	COVER	
	3	1	**119-0036**	3	SCREW-FLAT HEAD (5/16-18X0.875-IN)	
	4	1	**332-7297**	1	CAMSHAFT	



GRAPHIC #1 **<END>** g01002422

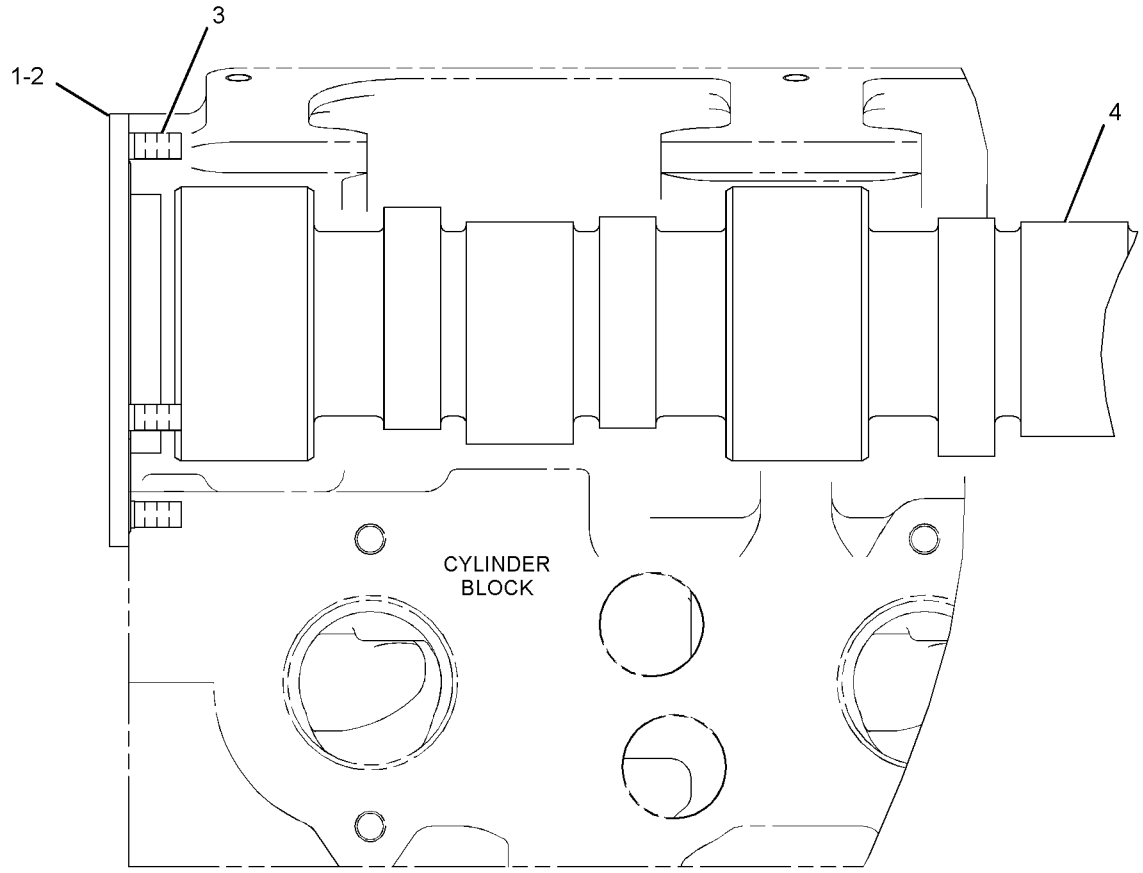
BASIC ENGINE

314-9614 CAMSHAFT GP

S/N: JRE7499-UP
ALSO AN ATTACHMENT

SMCS-1210 **i02973255**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-1197**	1	SEAL-O-RING	
	2	1	**102-9089**	1	COVER	
	3	1	**119-0036**	3	SCREW-FLAT HEAD (5/16-18X0.875-IN)	
	4	1	**310-7612**	1	CAMSHAFT	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01503366

BASIC ENGINE

2W-4908 CLUTCH GP

PART OF 2W-4909 POWER TAKE-OFF GP

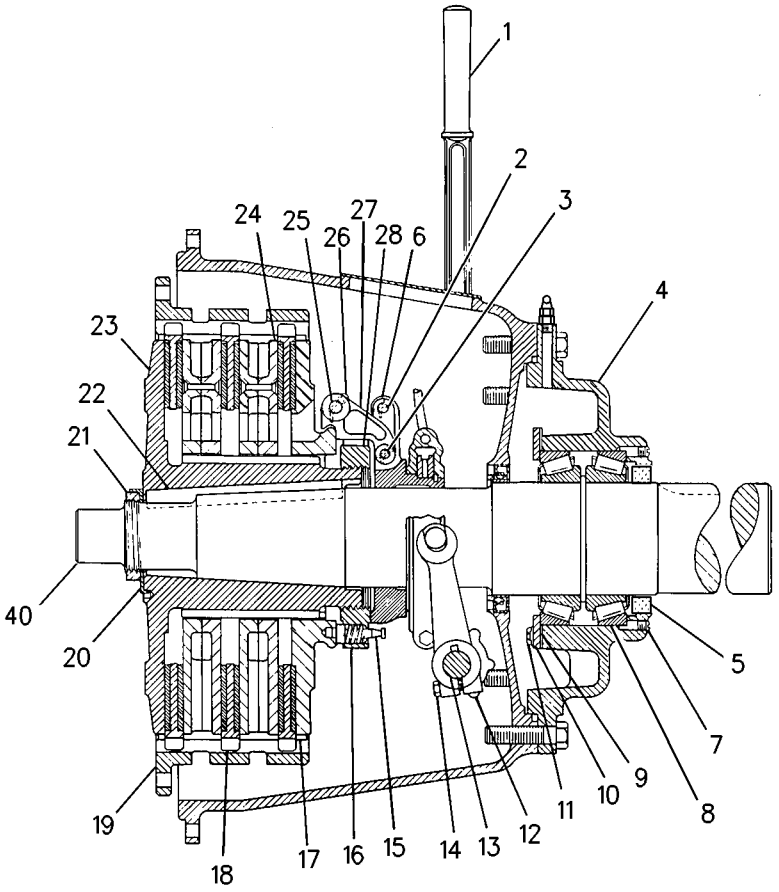
AN ATTACHMENT

SMCS-1007 **i02543976**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-4810**	1	LEVER AS-HAND	
		1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	2	1	**6L-3969**	4	PIN	
		1	**6L-3964**	8	PIN-COTTER	
	3	1	**6L-3970**	4	PIN	
	4	1	**3N-8427**	1	CARRIER AS-BEARING	
		1	**9F-2247**	1	PLUG-PIPE	
	5	1	**2W-4904**	2	RING-SEAL	
	6	1	**5L-3495**	8	LINK-LEVER	
	7	1	**2L-6010**	2	PLUG-PIPE	
	8	1	**5L-1545**	2	CUP-BEARING	
		1	**7L-6551**	2	CONE-BEARING	
B	9	1	**5L-3556**	1	SHIM (0.0200-IN THK)	
B		1	**5L-3557**	1	SHIM (0.010-IN THK)	
B		1	**5L-3558**	1	SHIM (0.007-IN THK)	
B		1	**5L-3559**	1	SHIM (0.005-IN THK)	
	10	1	**5L-3613**	1	RETAINER-BEARING	
	11	1	**0S-1594**	6	BOLT (3/8-16X1-IN)	
		1	**5L-3560**	3	PLATE-LOCK	
	12	1	**5L-3553**	1	YOKE-OPERATING	
	13	1	**5L-3485**	1	SHAFT-CLUTCH LEVER	
		1	**6L-5151**	2	KEY-WOODRUFF	
	14	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	15	1	**3N-1462**	1	PIN AS	
	16	1	**3N-1461**	1	SPRING	
	17	1	**5L-3602**	1	PLATE-PRESSURE	
	18	1	**4P-3020**	3	PLATE-DRIVE	
	19	1	**3N-9175**	1	RING-DRIVE	
	20	1	**4B-4773**	1	LOCK	
	21	1	**4B-4764**	1	NUT	
	22	1	**3N-9176**	1	KEY	
	23	1	**3N-9178**	1	PLATE-HUB & BACK	
	24	1	**5L-3603**	2	PLATE AS-CENTER	
	25	1	**6L-4016**	4	PIN	
	26	1	**6L-3961**	4	PIN-COTTER	
	27	1	**5L-3493**	4	LEVER	
	28	1	**5L-3492**	1	YOKE-ADJUSTMENT	
	29	2	**5L-3496**	1	SLEEVE-SLIDING	
	30	2	**0S-1625**	8	BOLT (5/8-11X2.5-IN)	
	31	2	**5L-3487**	1	COLLAR AS	
B	31A	2	**5L-3561**	2	SHIM (0.06-IN THK)	
	31B	2	**2L-6267**	2	LOCKNUT (3/8-24-THD)	
	31C	2	**0L-1648**	2	BOLT (3/8-24X2.5-IN)	
	32	2	**5B-2410**	1	HOSE AS	
	33	2	**3B-8489**	2	FITTING-GREASE (CLUTCH)	
		2	**9S-1354**	1	NUT (5/8-18-THD)	
		2	**6F-0253**	1	LOCKWASHER	
	34	2	**1L-6931**	2	SCREW AS-MACHINE (1/4-20X0.5-IN)	
	35	2	**108-3561**	1	PLATE-INSTRUCTION (POWER TAKE-OFF)	
	36	2	**5L-3617**	1	SEAL-RUBBER	
	37	2	**3N-9179**	1	HOUSING-CLUTCH	
		2	**8B-7121**	2	FITTING-HYDRAULIC (CLUTCH)	
	38	2	**4B-9782**	1	BALL	
	39	2	**3N-9180**	1	SHAFT-CLUTCH	
	40	1	**5P-3499**	1	BALL BEARING	

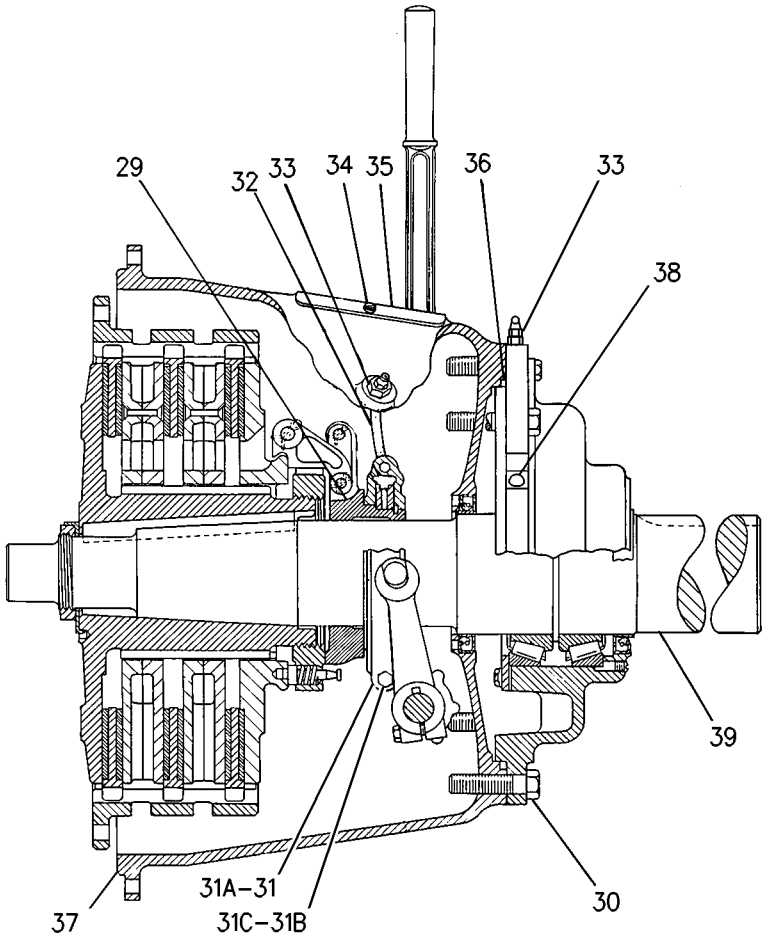
B-USE AS REQUIRED

2W-4908 **CLUTCH GP** *(contd.)* **i02543976**



GRAPHIC #1 g00895113

2W-4908 **CLUTCH GP** *(contd.)* **i02543976**



GRAPHIC #2 **<END>** g00895112

BASIC ENGINE

2W-4912 CLUTCH GP

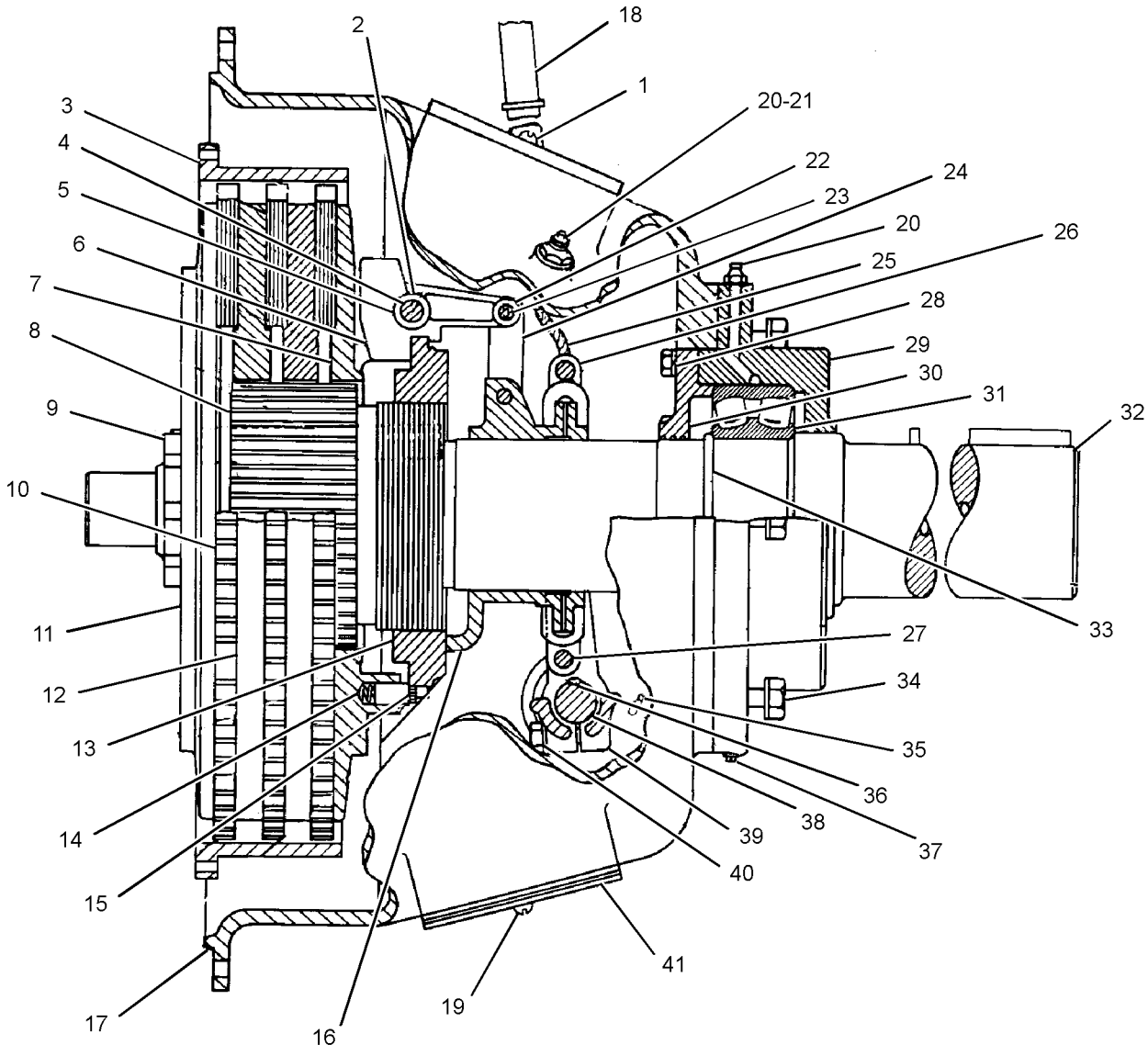
PART OF 291-5541, 2W-4913 POWER TAKE-OFF GP
AN ATTACHMENT

SMCS-1007 **i02757038**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1L-6931**	2	SCREW AS-MACHINE (1/4-20X0.5-IN)	
	2	1	**6L-3963**	4	PIN-COTTER	
	3	1	**5N-8132**	1	RING-DRIVE	
	4	1	**6L-3973**	4	PIN	
	5	1	**2L-4441**	8	WASHER	
	6	1	**2L-4437**	4	LEVER	
	7	1	**2L-7156**	1	PLATE	
	8	1	**2L-7153**	1	KEY	
	9	1	**2L-7151**	1	NUT	
			2L-7152	1	LOCK	
	10	1	**4L-6105**	3	PLATE-DRIVE	
	11	1	**2L-7154**	1	PLATE	
	12	1	**2L-7162**	2	PLATE	
	13	1	**2L-7161**	1	RING	
	14	1	**5F-0229**	1	SPRING	
	15	1	**3H-9575**	1	LOCK PIN	
	16	1	**2L-7160**	1	SLEEVE	
	17	1	**2L-7155**	1	HOUSING-CLUTCH	
	18	1	**4W-2655**	1	LEVER-HAND CONTROL	
			9X-8873	1	BOLT (1/2-13X2.25-IN)	
			1F-7958	1	NUT-FULL (1/2-13-THD)	
	19	1	**1L-6931**	2	SCREW AS-MACHINE (1/4-20X0.5-IN)	
	20	1	**3B-8489**	2	FITTING-GREASE (CLUTCH)	
	21	1	**9S-1354**	1	NUT (5/8-18-THD)	
			6F-0253	1	LOCKWASHER	
	22	1	**6L-3962**	8	PIN-COTTER	
	23	1	**6L-3971**	8	PIN	
	24	1	**4B-4760**	8	LINK	
	25	1	**4B-4775**	1	HOSE AS	
	26	1	**6F-6580**	1	COLLAR AS-CONE	
	27	1	**0L-1558**	2	BOLT (1/2-20X3.25-IN)	
		1	**2K-0564**	2	LOCKNUT (1/2-20-THD)	
B		1	**4B-4723**	2	SHIM	
	28	1	**0S-1588**	6	BOLT (3/8-16X1.25-IN)	
			3B-4506	6	LOCKWASHER	
	29	1	**2L-7158**	1	RETAINER	
	30	1	**2L-7157**	1	RETAINER	
	31	1	**2L-7246**	1	BEARING-ROLLER	
	32	1	**5N-1934**	1	SHAFT-CLUTCH	
	33	1	**2L-7159**	1	RING	
	34	1	**9X-8882**	6	BOLT (5/8-11X2.5-IN)	
			3B-4510	6	LOCKWASHER	
	35	1	**8B-7121**	2	FITTING-HYDRAULIC (CLUTCH)	
	36	1	**1B-8737**	2	KEY-WOODRUFF	
	37	1	**2B-7408**	1	PLUG-PIPE	
	38	1	**6F-6582**	1	SHAFT-OPERATING	
	39	1	**6F-6581**	1	YOKE-CLUTCH	
	40	1	**1A-1460**	2	BOLT (1/2-13X2-IN)	
			9B-0453	2	LOCKWASHER	
	41	1	**5L-9423**	1	PLATE-COVER	

B-USE AS REQUIRED

2W-4912 CLUTCH GP *(contd.)* **i02757038**



GRAPHIC #1 **<END>** g01380682

5N-3334 CLUTCH GP

PART OF 5N-3335 POWER TAKE-OFF GP

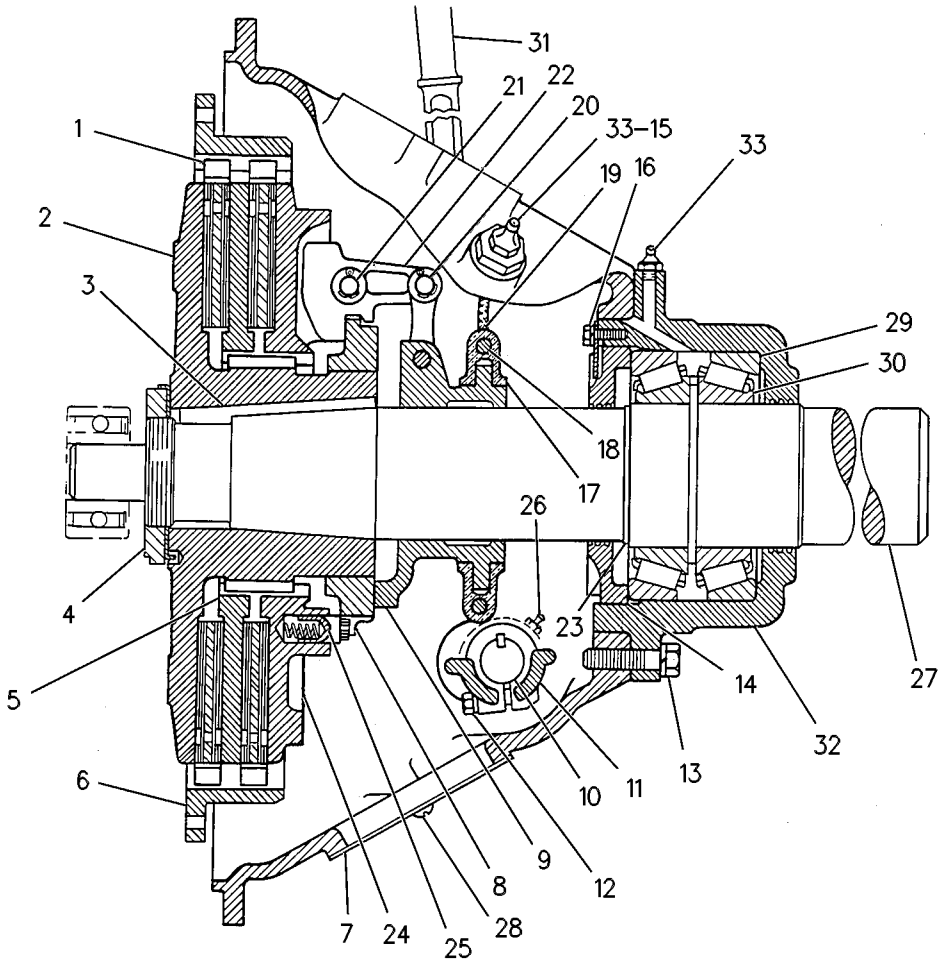
AN ATTACHMENT

SMCS-1007 **i02547545**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-3527**	1	PLATE-CLUTCH DRIVING	
	2	1	**5L-9652**	1	HUB	
	3	1	**8B-7987**	1	KEY-WOODRUFF	
	4	1	**5L-9653**	1	NUT	
		1	**5L-9654**	1	LOCK	
	5	1	**3H-9571**	1	PLATE-CENTER	
	6	1	**5N-9317**	1	RING-DRIVE	
	7	1	**7F-8897**	1	PLATE	
	8	1	**3H-9572**	1	RING-ADJUSTMENT	
	9	1	**3H-9574**	9	SLEEVE	
	10	1	**4B-4754**	1	SHAFT	
		1	**6L-5151**	2	KEY-WOODRUFF	
	11	1	**4B-4792**	1	YOKE AS	
	12	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
		1	**3B-4506**	2	LOCKWASHER	
	13	1	**1A-1460**	6	BOLT (1/2-13X2-IN)	
		1	**3B-4508**	6	LOCKWASHER	
	14	1	**5B-2404**	1	RETAINER-BEARING	
	15	1	**9S-1354**	1	NUT (5/8-18-THD)	
		1	**6F-0253**	1	LOCKWASHER	
	16	1	**0S-1617**	1	BOLT (5/16-18X0.75-IN)	
		1	**3F-9556**	1	LOCKWASHER	
		1	**5B-2407**	1	LOCK	
	17	1	**4B-4716**	1	COLLAR AS-SLEEVE	
	18	1	**0L-0639**	2	BOLT (3/8-24X2.25-IN)	
		1	**2L-6267**	2	LOCKNUT (3/8-24-THD)	
B		1	**4B-4758**	2	SHIM (0.06-IN THK)	
	19	1	**5B-2410**	1	HOSE AS	
	20	1	**4B-4721**	8	LINK	
		1	**6L-3967**	8	PIN	
		1	**6L-3964**	8	PIN-COTTER	
	21	1	**6L-3972**	4	PIN	
		1	**6L-3961**	4	PIN-COTTER	
		1	**1L-4863**	8	WASHER-SPRING	
	22	1	**4H-0002**	4	LEVER	
	23	1	**3F-3728**	1	RING-SNAP	
	24	1	**3N-8125**	1	PLATE AS-PRESSURE	
	25	1	**3N-8124**	1	SPRING	
		1	**3N-8123**	1	LOCK PIN	
	26	1	**8B-7121**	2	FITTING-HYDRAULIC (CLUTCH)	
	27	1	**3N-4899**	1	SHAFT-CLUTCH	
	28	1	**1L-6931**	2	SCREW AS-MACHINE (1/4-20X0.5-IN)	
	29	1	**6B-3223**	2	CUP-BEARING	
	30	1	**4B-7270**	2	CONE-BEARING	
	31	1	**4B-4810**	1	LEVER AS-HAND	
	32	1	**5B-2406**	1	CARRIER	
	33	1	**3B-8489**	2	FITTING-GREASE (CLUTCH)(1/8-27 THD)	

B-USE AS REQUIRED

5N-3334 CLUTCH GP *(contd.)* **i02547545**



GRAPHIC #1 **<END>** g00254067

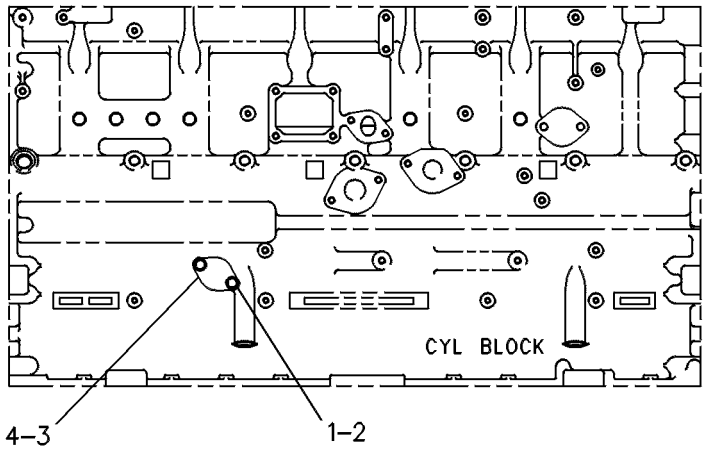
BASIC ENGINE

107-6736 COVER GP-CYLINDER BLOCK

FOR USE WITH MID MOUNTED TURBO AND/OR RH OIL FILL AN ATTACHMENT

SMCS-1201 **i02763877**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	3	1	**4W-9890**	1	COVER	
	4	1	**4N-0699**	1	GASKET	



LEFT SIDE VIEW

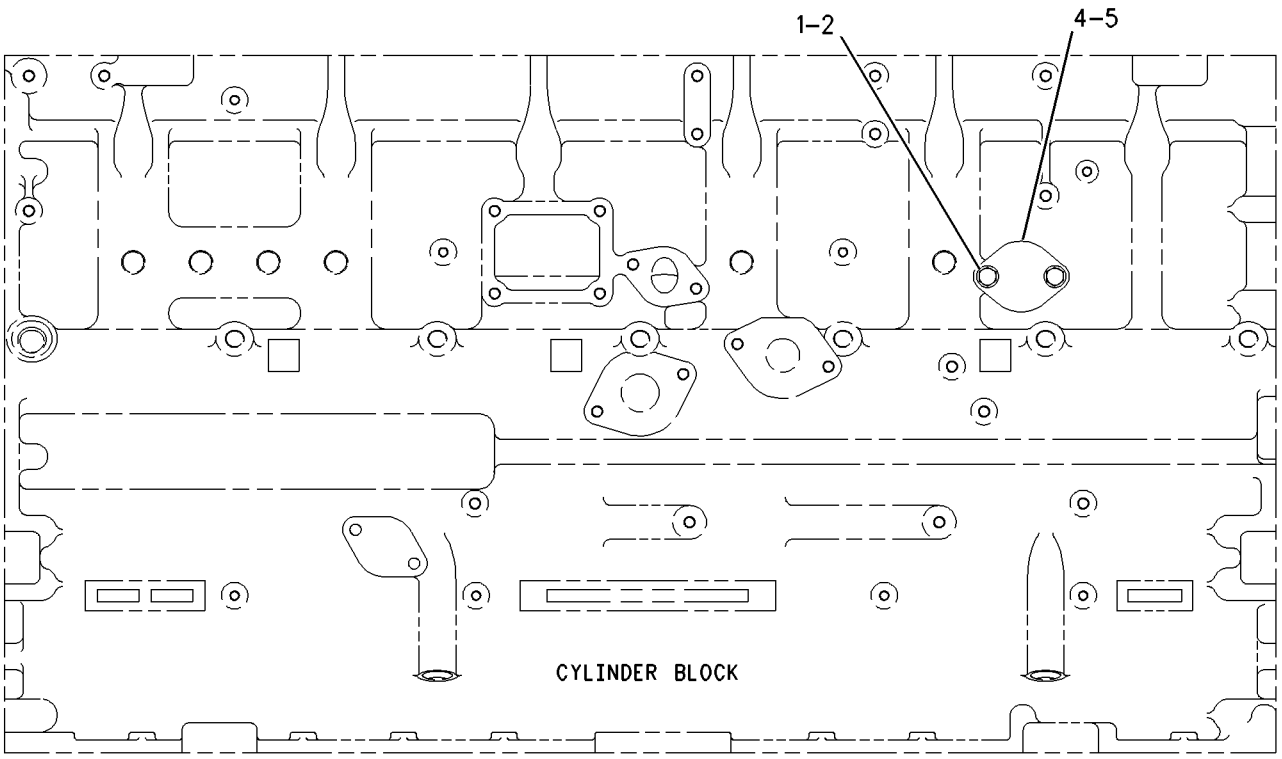
GRAPHIC #1 **<END>** g00244599

107-6737 COVER GP-CYLINDER BLOCK

CANNOT BE USED WITH RIGHT SIDE OIL FILLER
AN ATTACHMENT

SMCS-1201 **i01847626**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1594**	2	BOLT (3/8-16X1 IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	
	4	1	**4N-0699**	1	GASKET	
	5	1	**4W-9890**	1	COVER	



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00942208

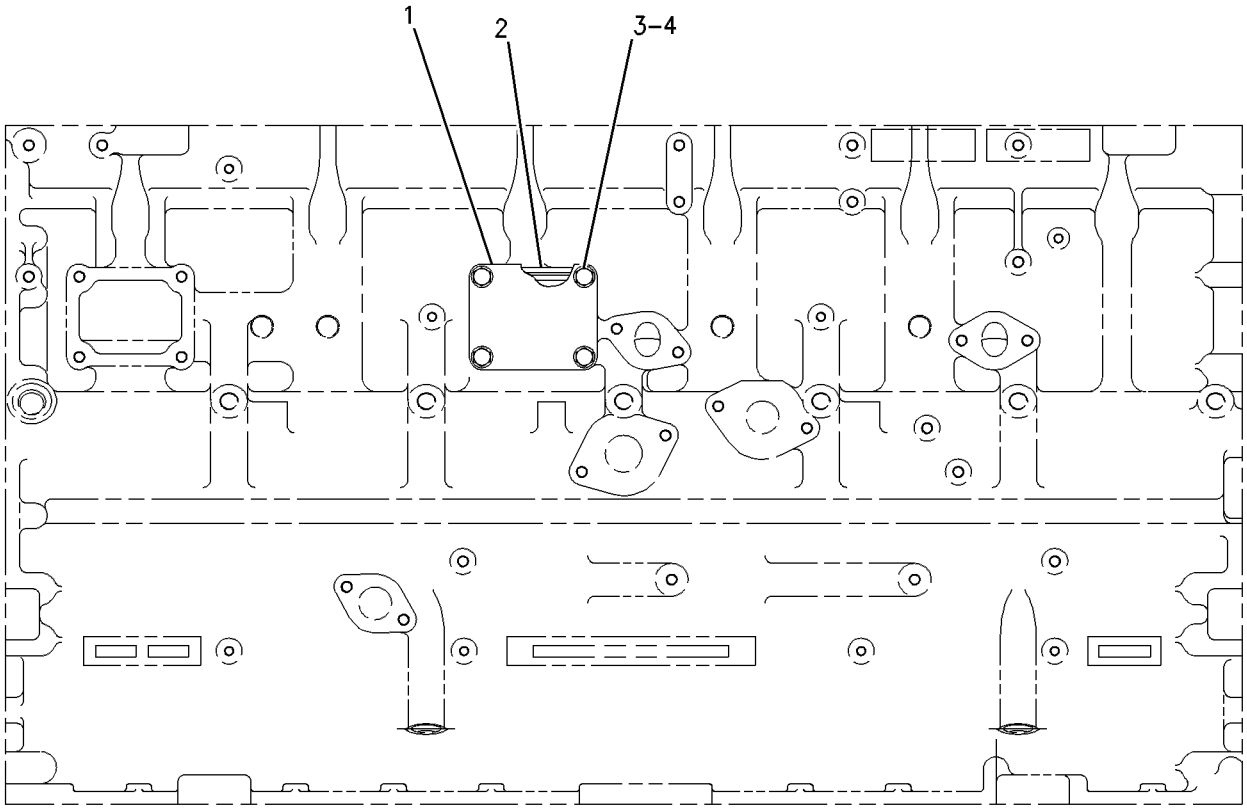
140-9746 COVER GP-CYLINDER BLOCK

NO. 4 CYLINDER WATER OPENING

AN ATTACHMENT

SMCS-1201 **i02668546**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**145-3849**	1	COVER	
	2	1	**126-4935**	1	SEAL-INTEGRAL	
	3	1	**0S-1594**	4	BOLT (3/8-16X1-IN)	
	4	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	



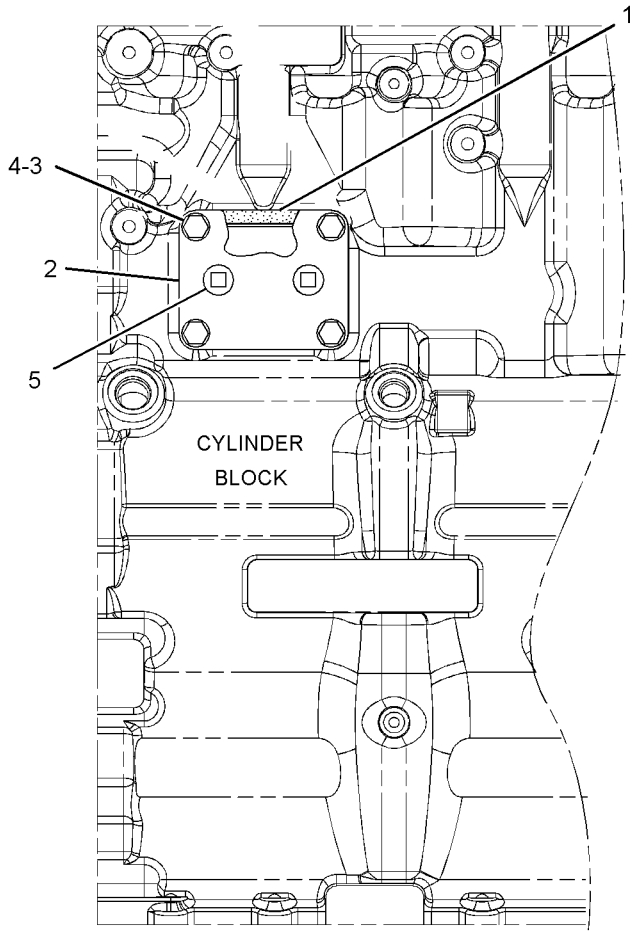
GRAPHIC #1 **<END>** g00506684

145-9276 COVER GP-CYLINDER BLOCK

NO. 6 CYLINDER WATER OPENING
AN ATTACHMENT

SMCS-1201 **i03149289**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**126-4935**	1	SEAL-INTEGRAL	
	2	1	**145-9277**	1	COVER	
	3	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	4	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**8T-6762**	2	PLUG-PIPE	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01625242

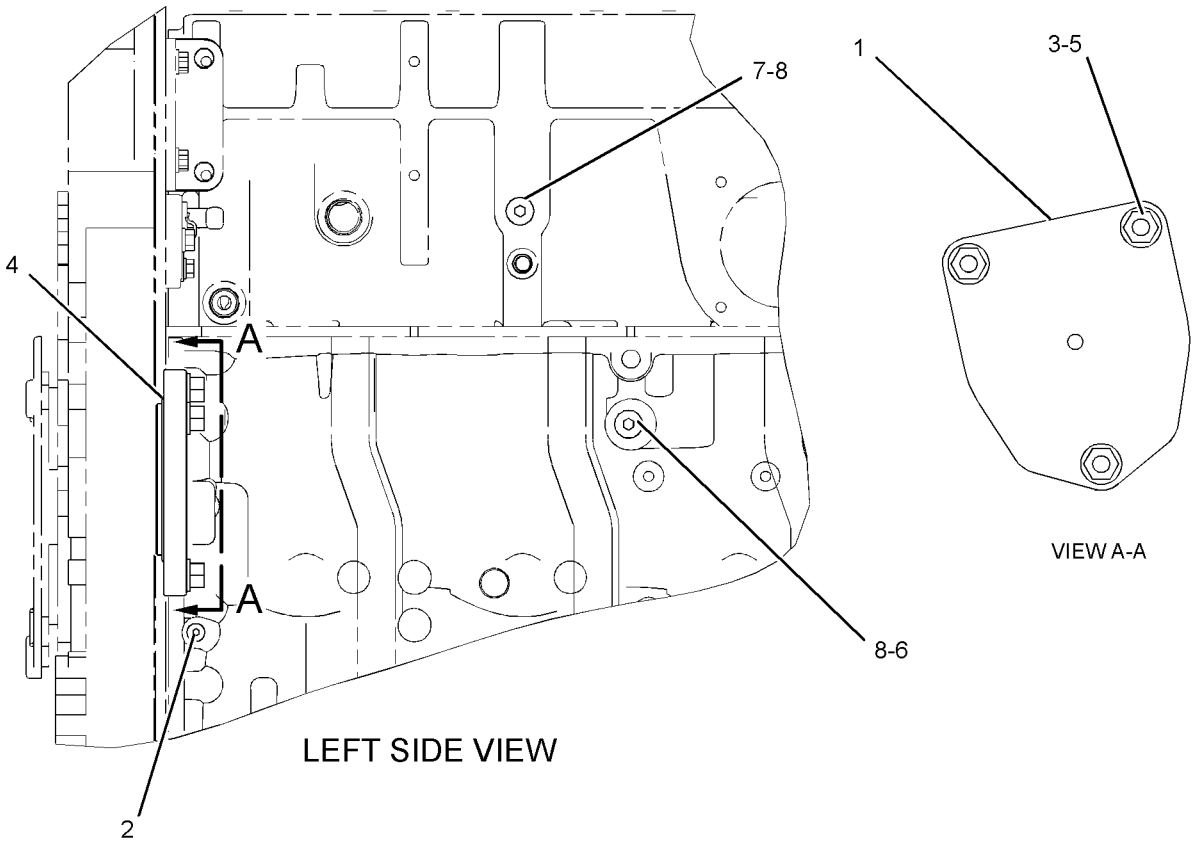
BASIC ENGINE

229-5519 COVER GP-CYLINDER BLOCK

S/N: JRE1-136
AN ATTACHMENT

SMCS-1201 **i02312074**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**230-1117**	1	COVER	
	2	1	*183-3409*	1	PLUG AS	
		1	**9S-8002**	1	PLUG-O-RING	
		1	**033-5853**	1	SEAL-O-RING	
	3	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	4	1	**5F-3999**	1	SEAL-O-RING	
	5	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	6	1	**6V-6609**	1	SEAL-O-RING	
	7	1	**8L-2786**	1	SEAL-O-RING	
	8	1	**9S-8005**	2	PLUG-O-RING	



GRAPHIC #1 **<END>** g01157977

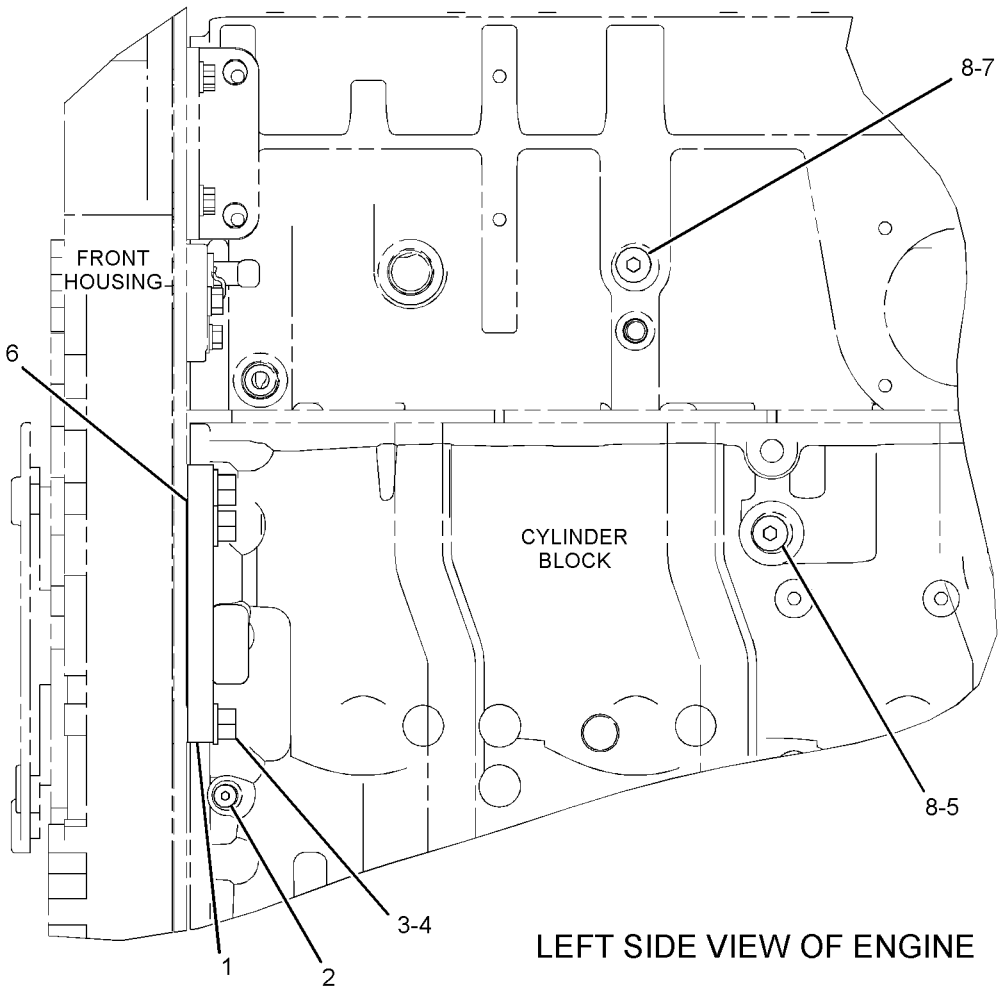
229-5519 COVER GP-CYLINDER BLOCK

S/N: JRE137-UP
AN ATTACHMENT

SMCS-1201 **i02627614**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**285-0823**	1	COVER	
	2	1	*183-3409*	1	PLUG AS	
		1	**9S-8002**	1	PLUG-O-RING	
		1	**033-5853**	1	SEAL-O-RING	
	3	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	4	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	5	1	**6V-6609**	1	SEAL-O-RING	
C	6	1	**7J-6285**	1	SEAL-O-RING	
	7	1	**8L-2786**	1	SEAL-O-RING	
	8	1	**9S-8005**	2	PLUG-O-RING	

C-CHANGE FROM PREVIOUS TYPE



LEFT SIDE VIEW OF ENGINE

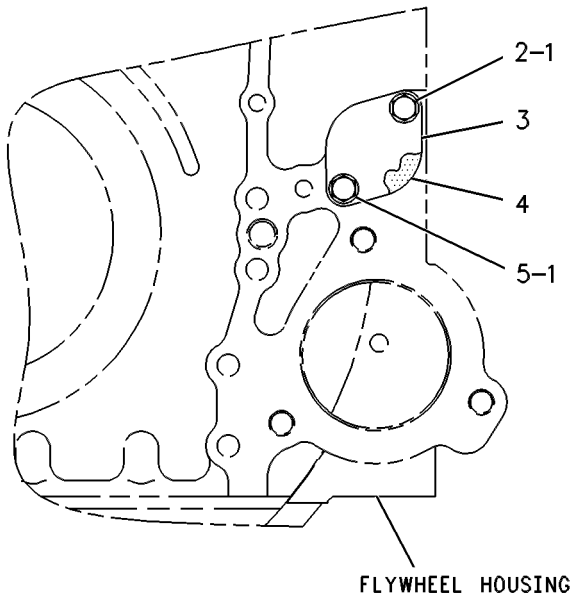
GRAPHIC #1 **<END>** g01324911

9N-3889 COVER GP-FLYWHEEL HOUSING

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1157 **i03460022**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	2	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
	3	1	**2P-2772**	1	COVER	
	4	1	**234-8937**	1	SEAL-INTEGRAL	
	5	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	



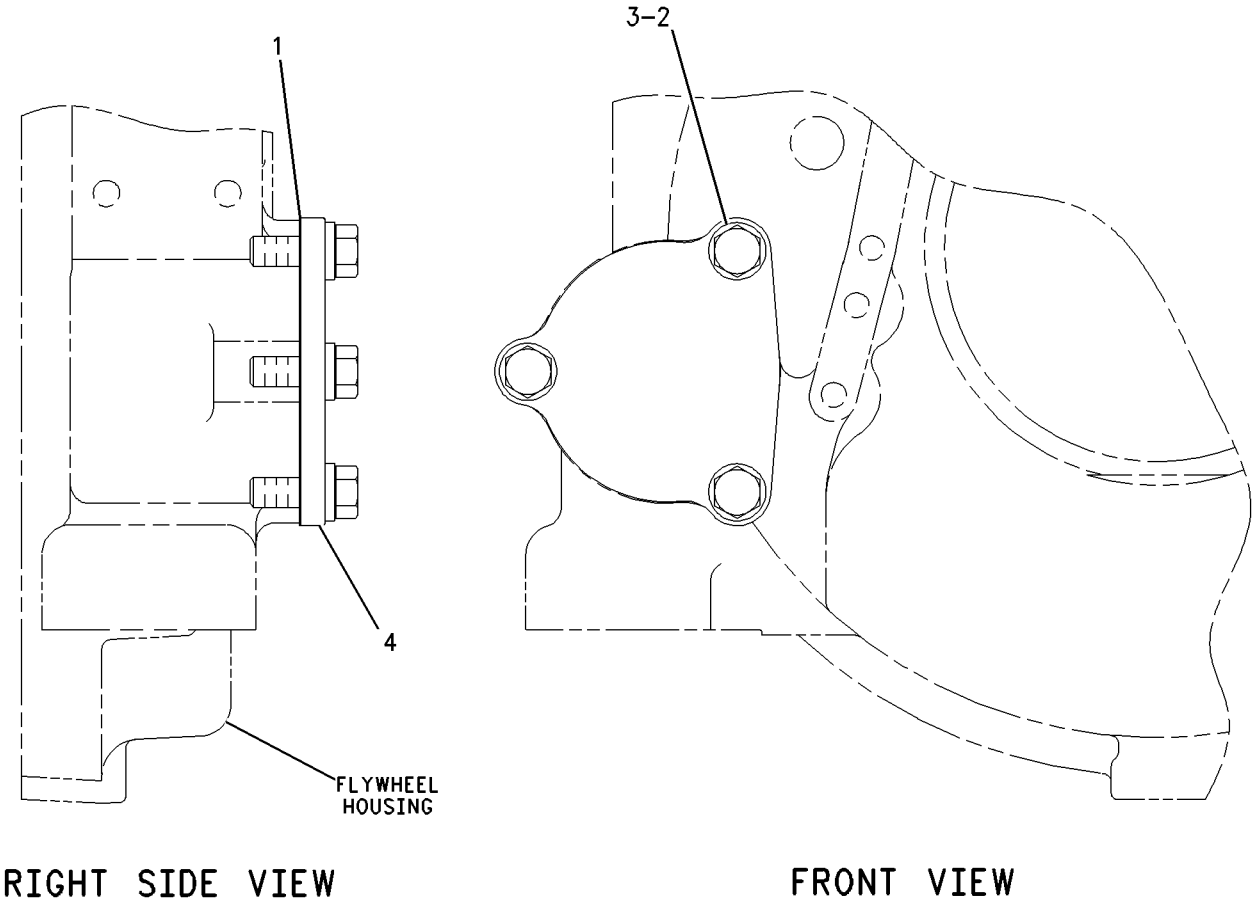
GRAPHIC #1 **<END>** g00109207

127-5728 COVER GP-FLYWHEEL HOUSING

FOR USE WITH LH MOUNTED STARTER
AN ATTACHMENT

SMCS-1157 **i02426209**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-6089**	1	GASKET	
	2	1	**0S-1589**	3	BOLT (5/8-11X1.75-IN)	
	3	1	**4D-3704**	3	WASHER-HARD (17X30X5-MM THK)	
	4	1	**4N-1114**	1	COVER	



RIGHT SIDE VIEW FRONT VIEW

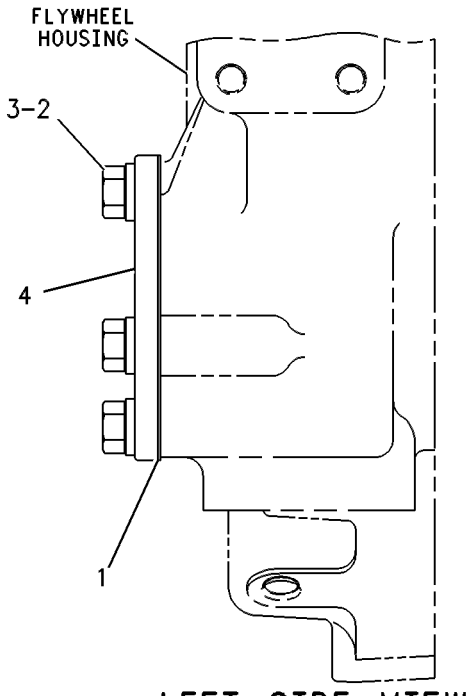
GRAPHIC #1 **<END>** g00783561

133-3089 COVER GP-FLYWHEEL HOUSING

FOR USE WITH RH MOUNTED STARTER
AN ATTACHMENT

SMCS-1157 **i02202316**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-6089**	1	GASKET	
	2	1	**0S-1589**	3	BOLT (5/8-11X1.75-IN)	
	3	1	**4D-3704**	3	WASHER-HARD (17X30X5-MM THK)	
	4	1	**4N-1114**	1	COVER	



LEFT SIDE VIEW

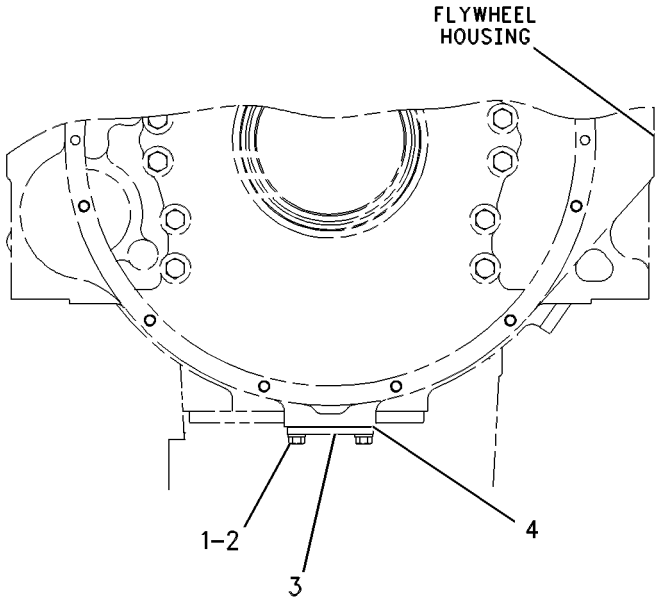
GRAPHIC #1 **<END>** g00263620

147-6195 COVER GP-FLYWHEEL HOUSING

FOR USE WITH FLYWHEEL HOUSING GP
AN ATTACHMENT

SMCS-1157 **i00703057**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1594**	2	BOLT (3/8-16X1IN)	
	2	1	**5M-2894**	2	WASHER (2.5MM THK)	
	3	1	**1M-0130**	1	COVER	
	4	1	**4M-6480**	1	GASKET	



REAR VIEW

GRAPHIC #1 **<END>** g00289535

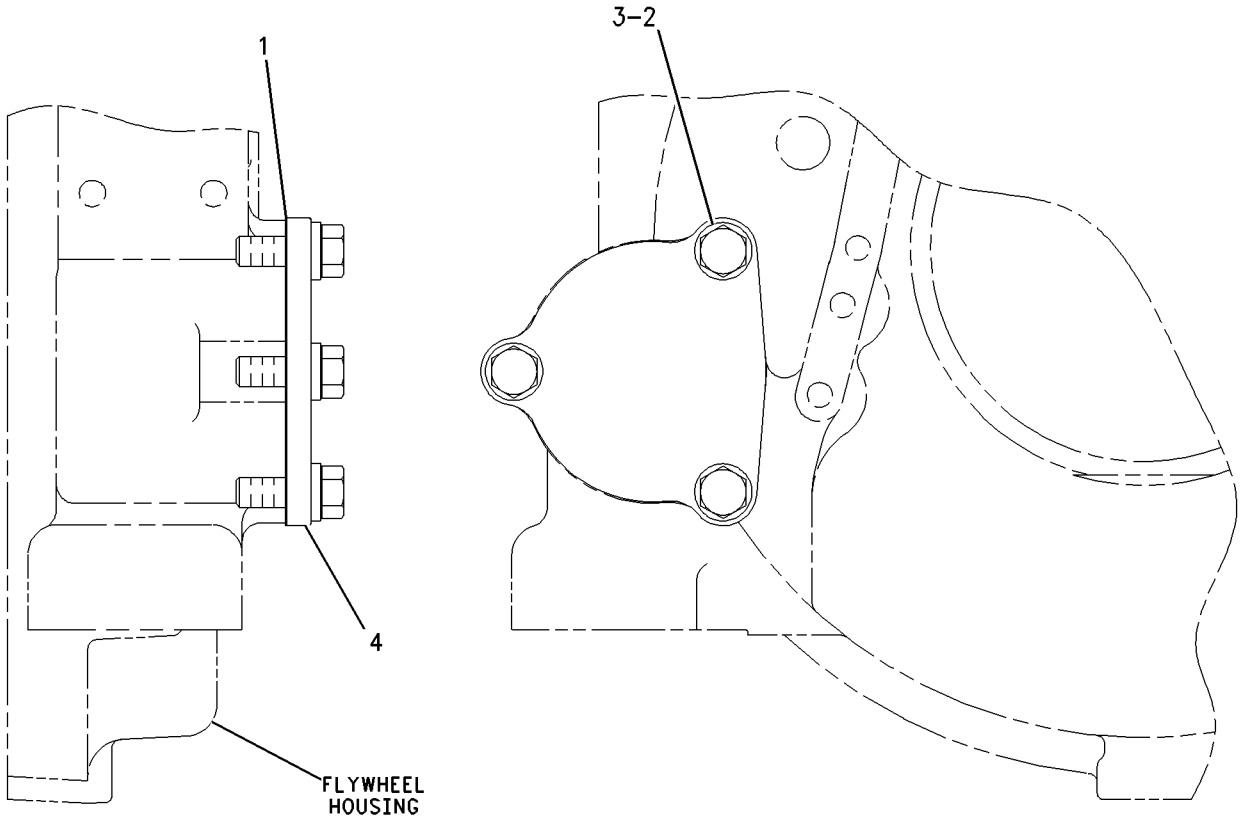
220-6390 COVER GP-FLYWHEEL HOUSING

AN ATTACHMENT

SMCS-1157 **i01964481**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9Y-6089**	1	GASKET	
M	2	1	**6V-4429**	3	BOLT (M16X2X40-MM)	
	3	1	**9X-8268**	3	WASHER (17.5X30X3.5-MM THK)	
	4	1	**4N-1114**	1	COVER	

M-METRIC PART



RIGHT SIDE VIEW FRONT VIEW

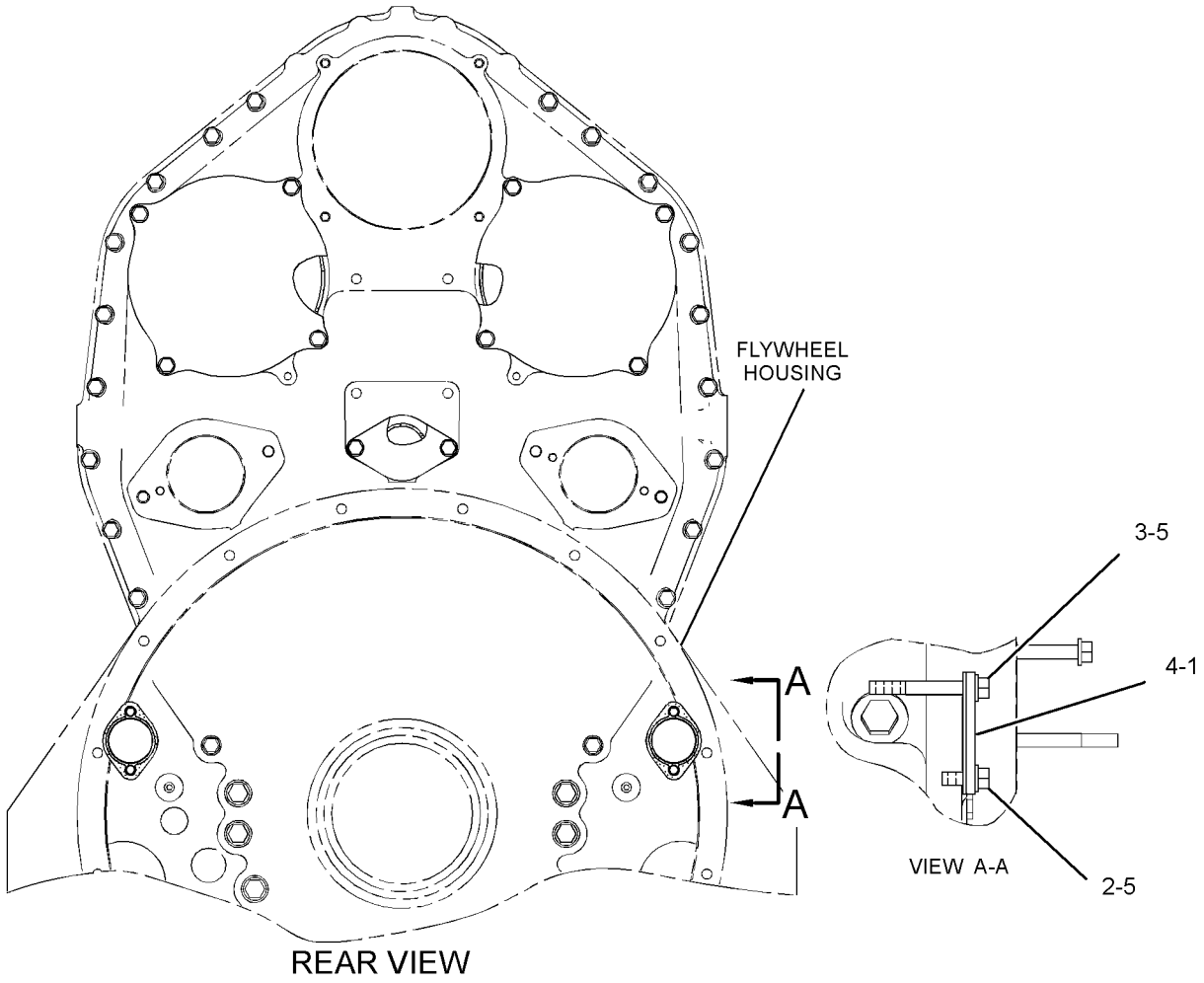
GRAPHIC #1 **<END>** g00783561

285-5866 COVER GP-FLYWHEEL HOUSING

AN ATTACHMENT

SMCS-1157 **i02769736**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**234-8937**	2	SEAL-INTEGRAL	
	2	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	3	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	4	1	**2P-2772**	2	COVER	
	5	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01281798

BASIC ENGINE

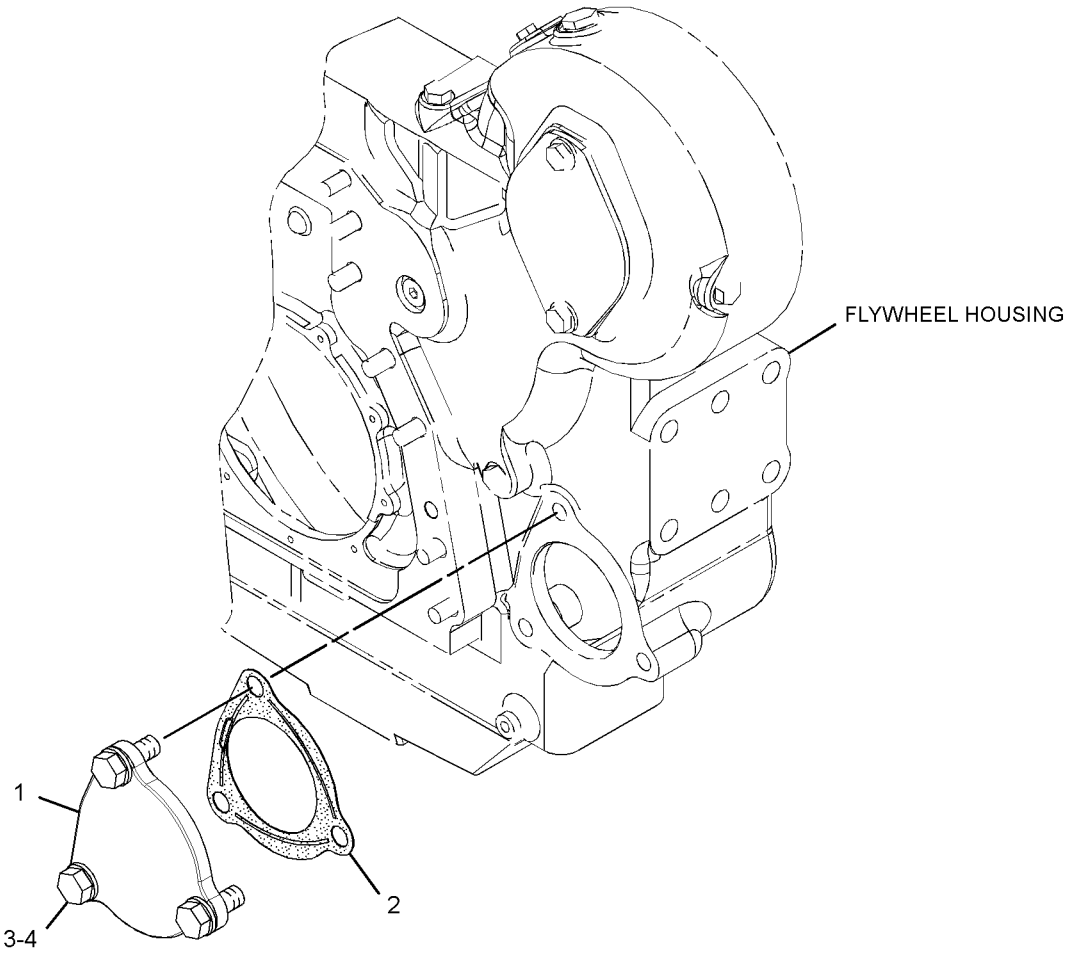
323-1682 COVER GP-FLYWHEEL HOUSING

AN ATTACHMENT

SMCS-1157 **i02987004**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-1114**	1	COVER	
	2	1	**9Y-6089**	1	GASKET	
M	3	1	**6V-4429**	3	BOLT (M16X2X40-MM)	
	4	1	**9X-8268**	3	WASHER (17.5X30X3.5-MM THK)	

M-METRIC PART



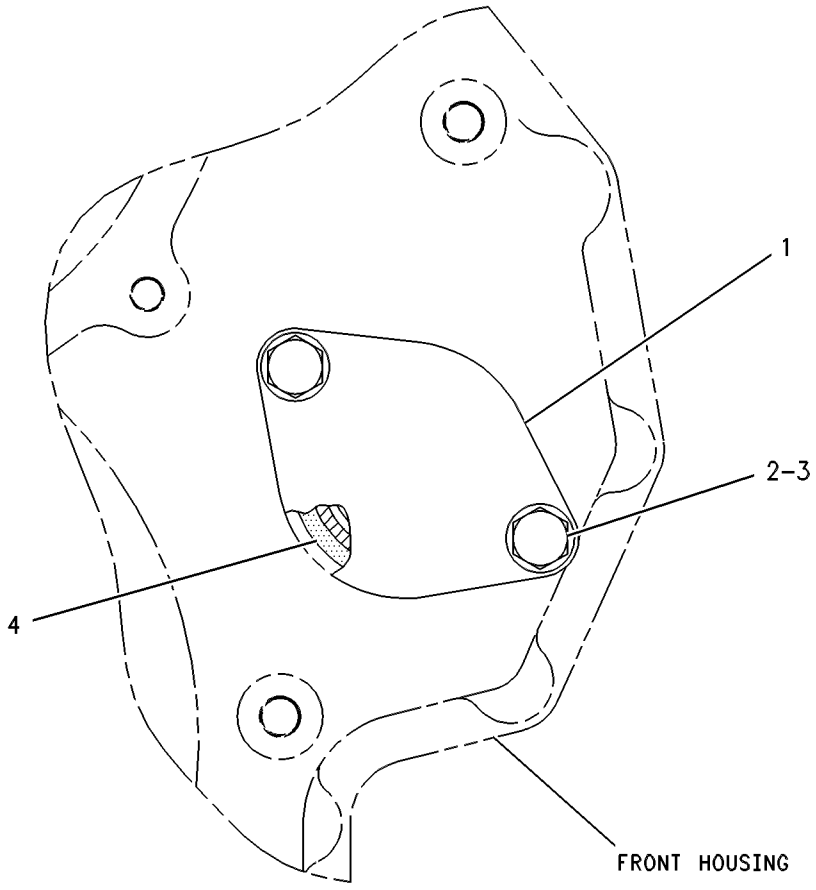
GRAPHIC #1 **<END>** g01519751

120-9847 COVER GP-FRONT HOUSING

PROVIDES COVER FOR OIL FILLER OPENING ON FRONT HOUSING
AN ATTACHMENT

SMCS-1151, 1166 **i00670788**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-1445**	1	COVER	
	2	1	**2B-2695**	2	BOLT (5/16-18X0.875-IN)	
	3	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	4	1	**061-9455**	1	SEAL-O-RING	



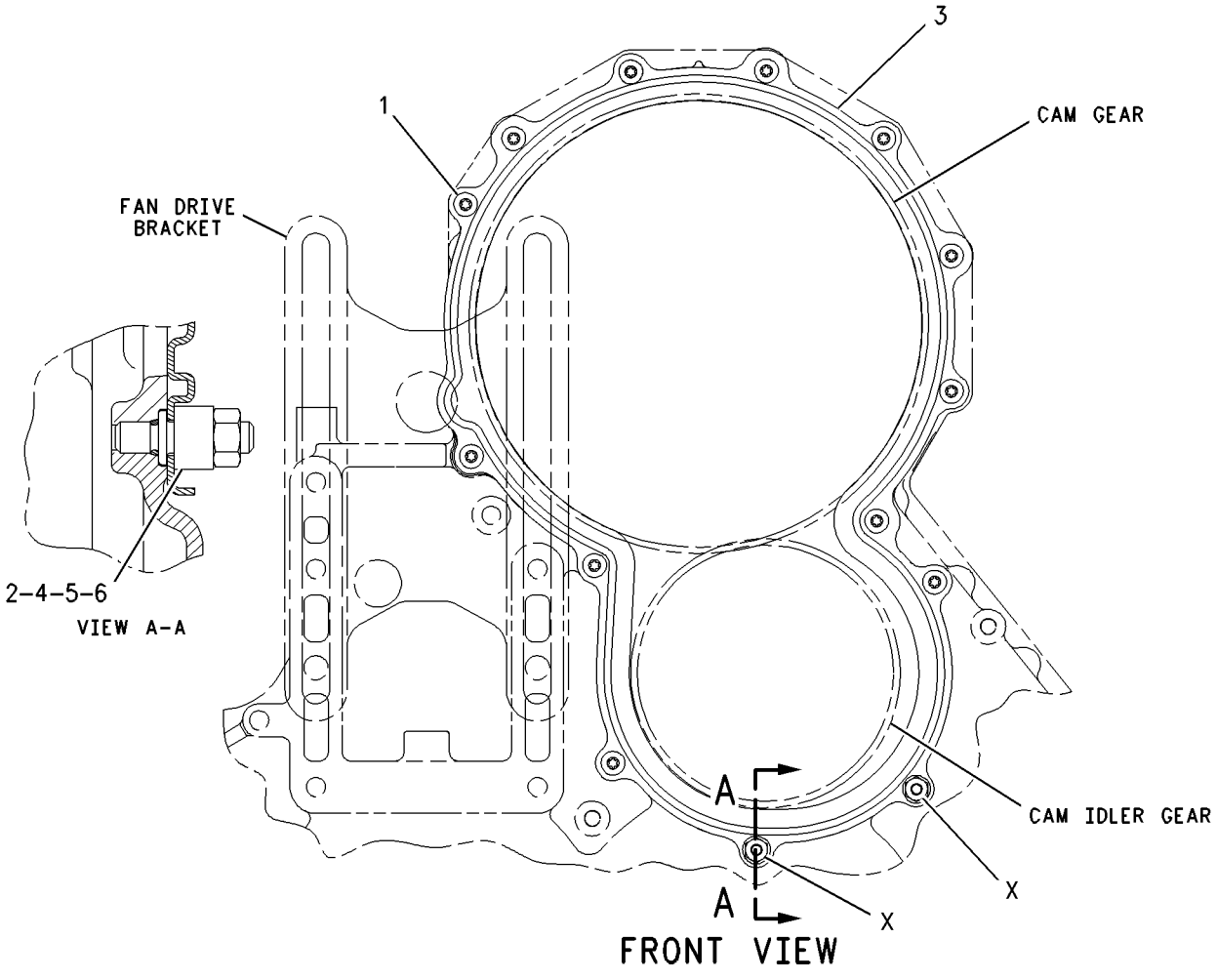
GRAPHIC #1 **<END>** g00252251

159-6159 COVER GP-FRONT HOUSING

CAM AND IDLER GEAR ACCESS
AN ATTACHMENT

SMCS-1151, 1166 **i02763873**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**297-1813**	12	SCREW-HEAD (5/16-18X1-IN)	
	2	1	**175-1367**	2	SPACER (8.8X16X10-MM THK) (MARKED X)	
	3	1	**209-3569**	1	COVER GP-FRONT HOUSING	
		1	**160-7271**	1	SEAL	
	4	1	**031-4155**	2	LOCKNUT (5/16-18-THD) (MARKED X)	
	5	1	**175-1366**	2	STUD (MARKED X)	
	6	1	**163-4565**	2	SEAL-O-RING (MARKED X)	



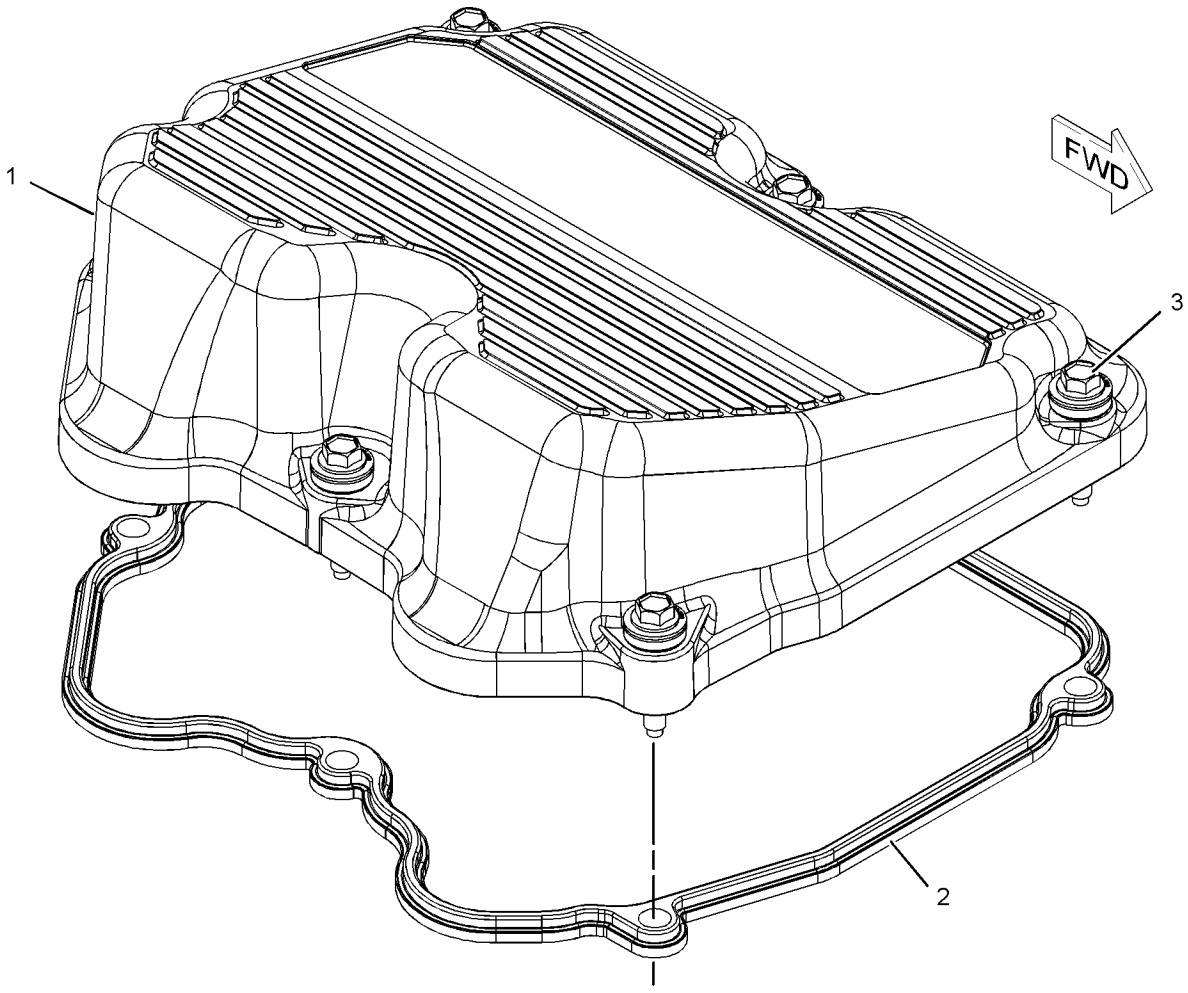
GRAPHIC #1 **<END>** g00631258

150-3135 COVER GP-VALVE MECHANISM

PART OF 187-1327, 187-1328, 187-2701 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02207417**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**150-2557**	1	COVER-VALVE MECH	
	2	1	**242-9537**	1	SEAL-VALVE COVER	
	3	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	



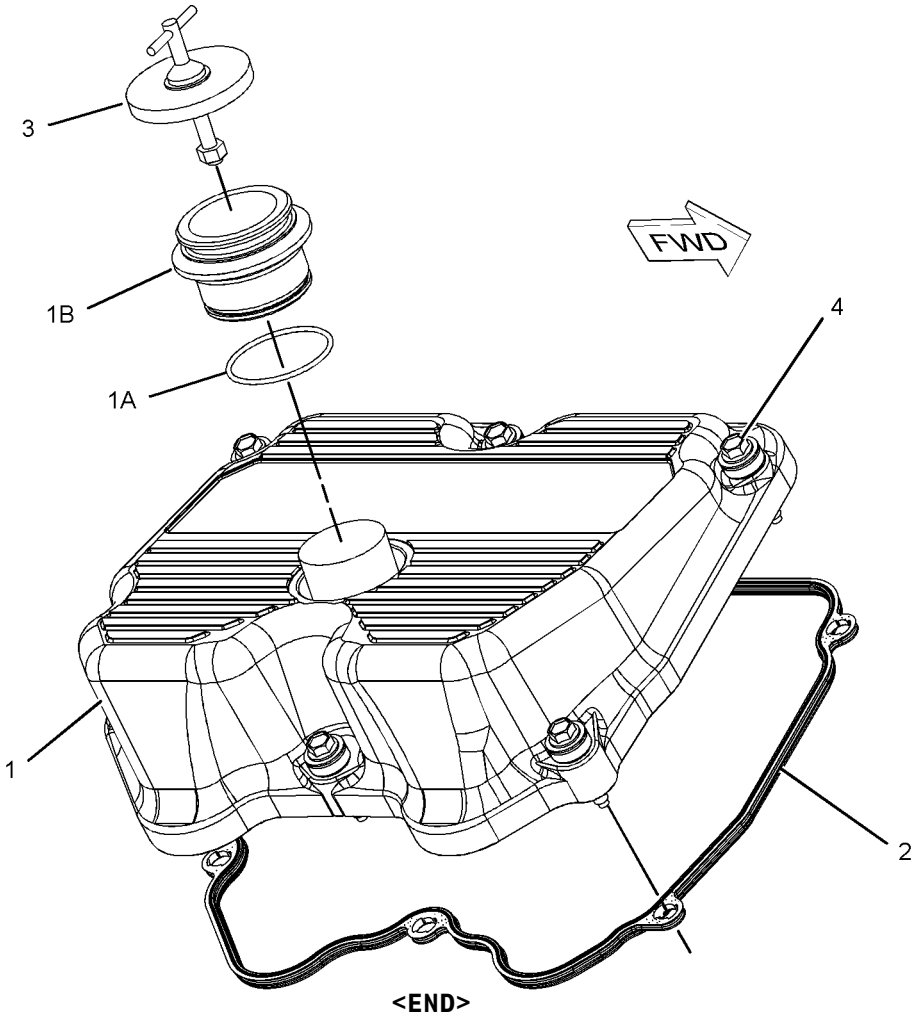
GRAPHIC #1 **<END>** g01055147

150-3139 COVER GP-VALVE MECHANISM

PART OF 187-2701 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02207419**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**150-3136**	1	COVER AS-VALVE MECHANISM	
	1A	1	**6V-5100**	1	SEAL-O-RING	
	1B	1	**7C-6514**	1	ADAPTER	
	2	1	**242-9537**	1	SEAL-VALVE COVER	
	3	1	**2W-6225**	1	CAP AS-OIL FILLER (ENGINE)	
	4	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	



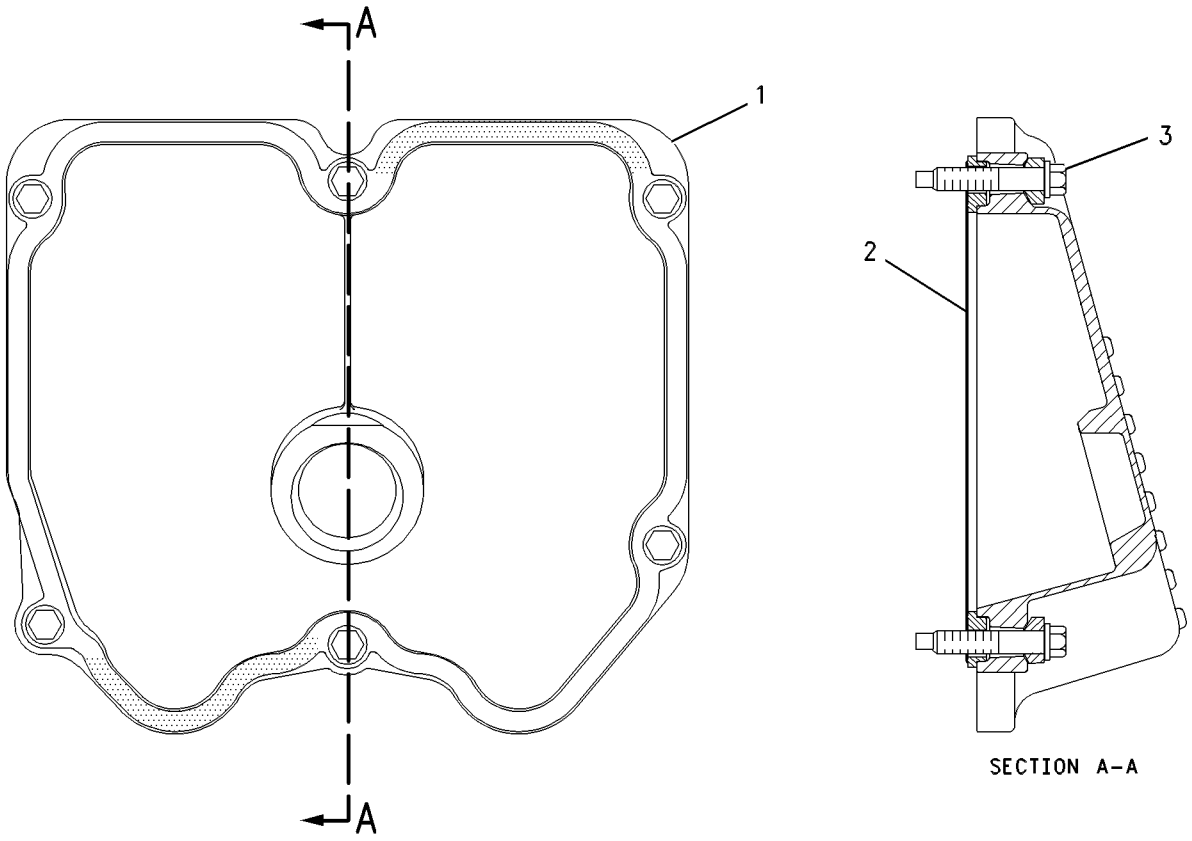
GRAPHIC #1 **<END>** g01055126

150-3141 COVER GP-VALVE MECHANISM

PART OF 159-9339 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02207391**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**149-7376**	1	COVER-VALVE MECHANISM	
	2	1	**242-9537**	1	SEAL-VALVE COVER	
	3	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	



GRAPHIC #1 **<END>** g00299930

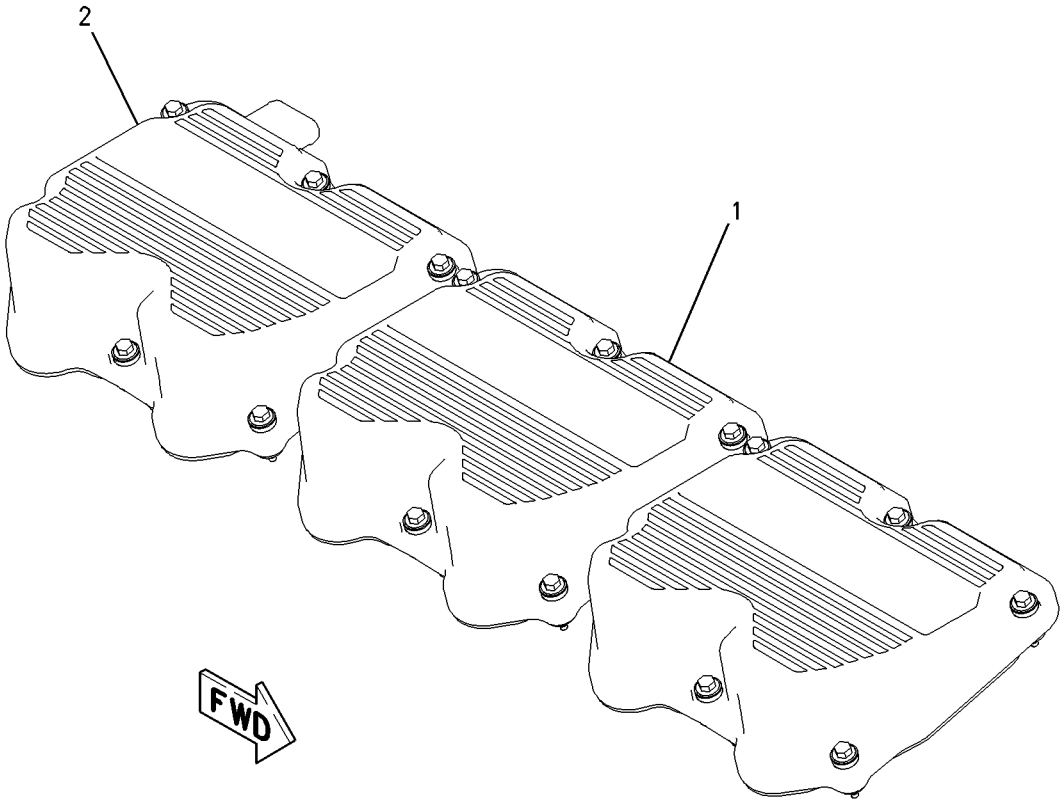
159-9339 COVER GP-VALVE MECHANISM

NO OIL FILL, REAR MOUNTED BREATHER
FOR USE WITH REAR FUMES DISPOSAL
AN ATTACHMENT

SMCS-1107 **i01606627**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*150-3141*	2	COVER GP-VALVE MECHANISM	95
Y	2	1	*159-9343*	1	COVER GP-VALVE MECHANISM	97

Y-SEPARATE ILLUSTRATION



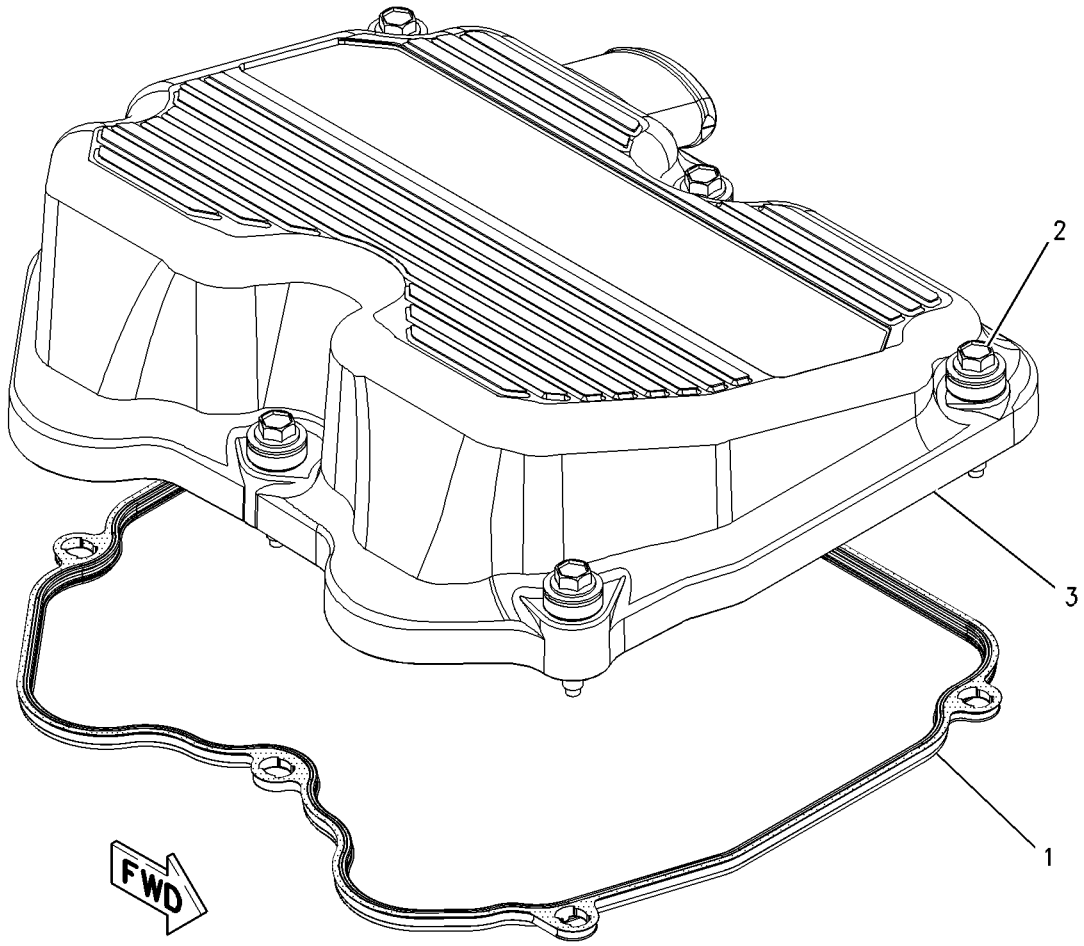
GRAPHIC #1 **<END>** g00832451

159-9343 COVER GP-VALVE MECHANISM

PART OF 159-9339 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02649910**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**242-9537**	1	SEAL-VALVE COVER	
	2	1	**243-1159**	6	FASTENER AS (VALVE COVER)	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	
	3	1	**177-4639**	1	COVER AS-VALVE (BREATHER)	



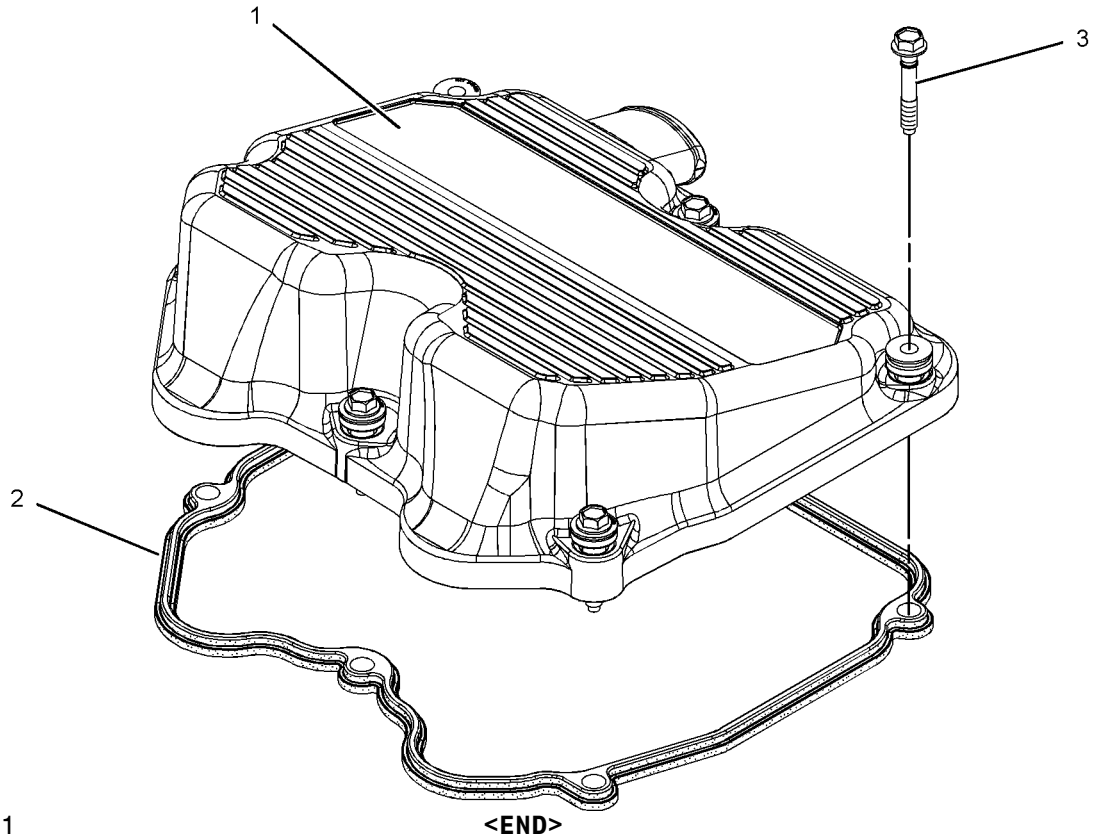
GRAPHIC #1 **<END>** g00832454

187-1326 COVER GP-VALVE MECHANISM

PART OF 187-1327, 187-1328, 187-2701 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02207393**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**187-1325**	1	COVER AS-VALVE	
	2	1	**242-9537**	1	SEAL-VALVE COVER	
	3	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	



GRAPHIC #1 **<END>** g01055197

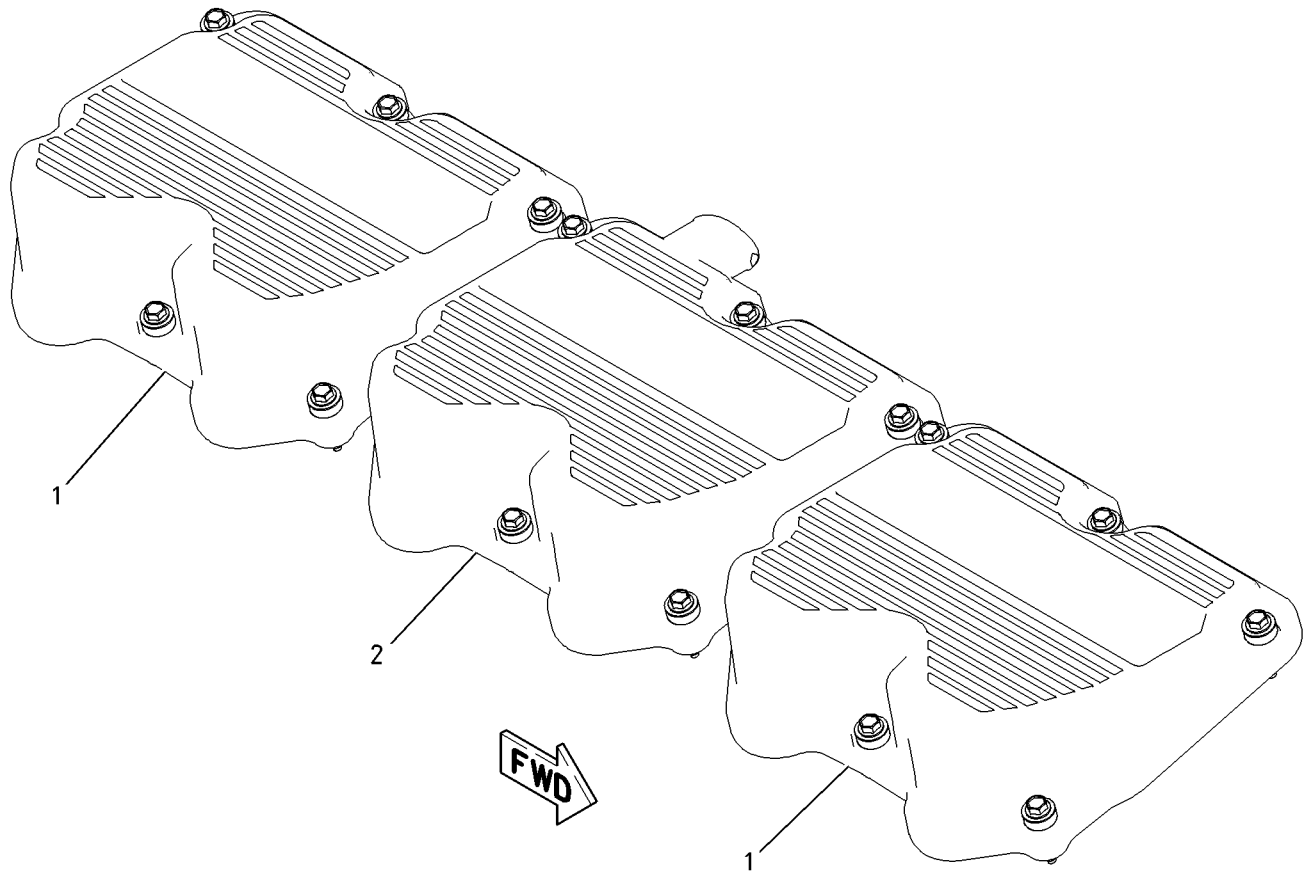
187-1327 COVER GP-VALVE MECHANISM

NO OIL FILL, MID MOUNTED BREATHER COVER
AN ATTACHMENT

SMCS-1107 **i01391604**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*150-3135*	2	COVER GP-VALVE MECHANISM	93
Y	2	1	*187-1326*	1	COVER GP-VALVE MECHANISM	98

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00740178

BASIC ENGINE

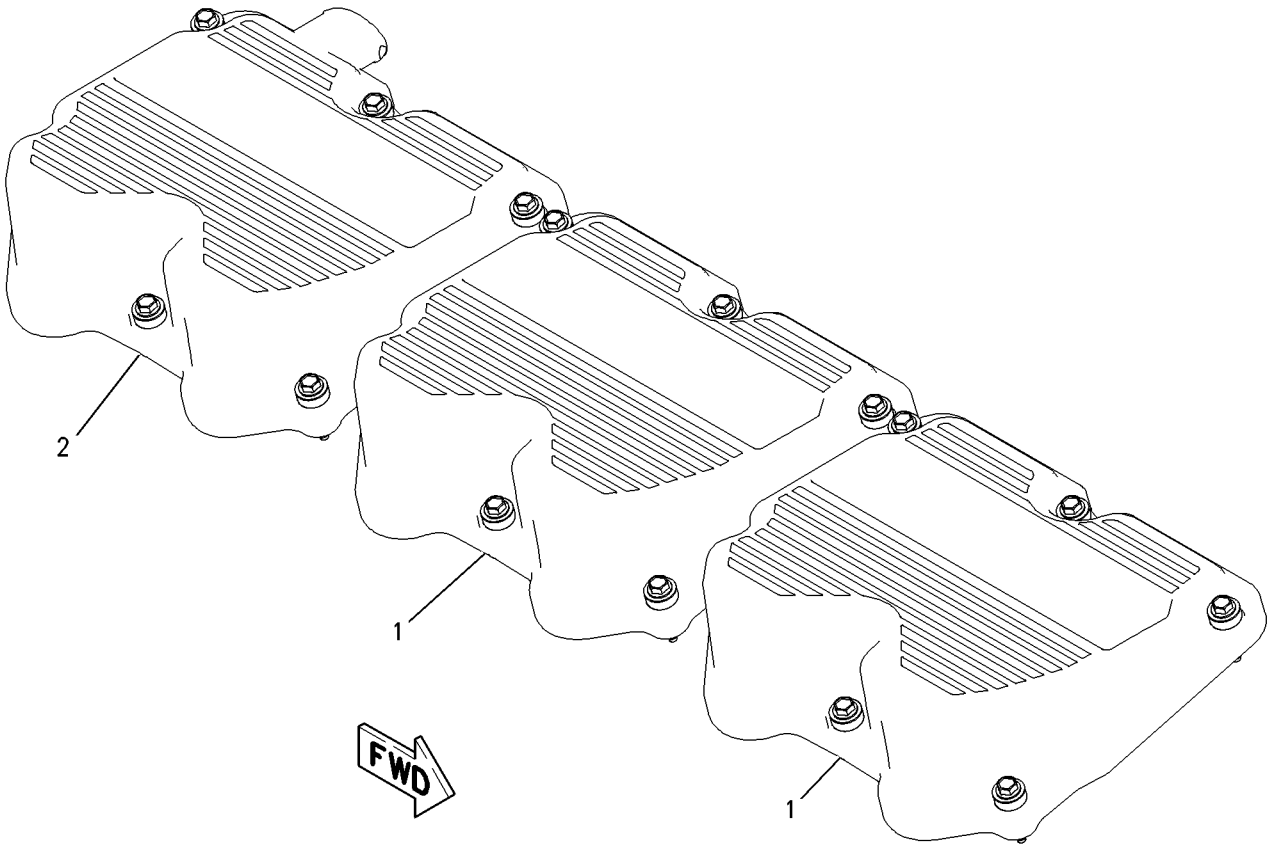
187-1328 COVER GP-VALVE MECHANISM

S/N: JRE1-6648
REAR MOUNTED BREATHER, NO OIL FILL
AN ATTACHMENT

SMCS-1107 **i01391600**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*150-3135*	2	COVER GP-VALVE MECHANISM	93
Y	2	1	*187-1326*	1	COVER GP-VALVE MECHANISM	98

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00740203

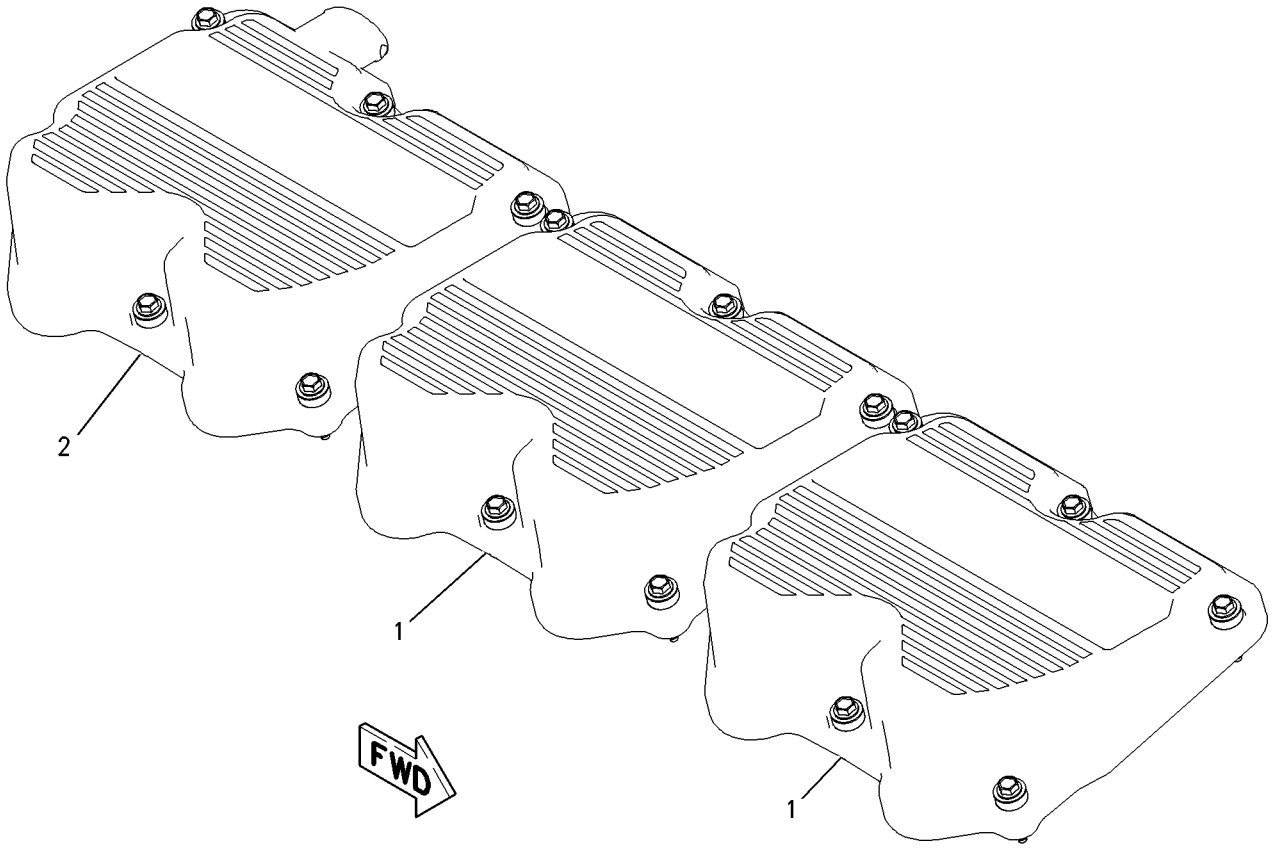
187-1328 COVER GP-VALVE MECHANISM

S/N: JRE6649-UP
REAR MOUNTED BREATHER, NO OIL FILL
AN ATTACHMENT

SMCS-1107 **i03636768**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*150-3135*	2	COVER GP-VALVE MECHANISM	93
CY	2	1	*341-6804*	1	COVER GP-VALVE MECHANISM	112

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00740203

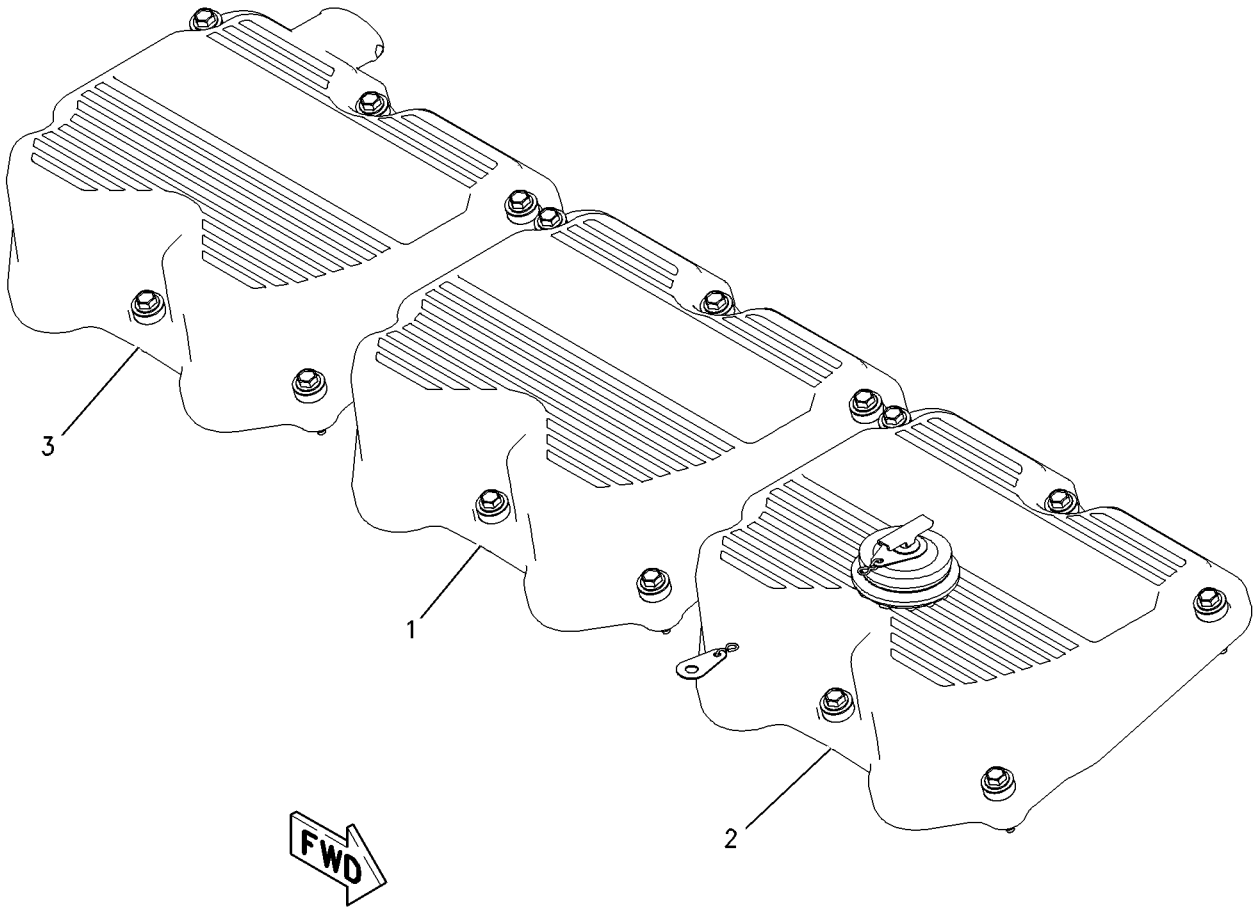
187-2701 COVER GP-VALVE MECHANISM

S/N: JRE1-10501
REAR MOUNTED BREATHER, FRONT MOUNTED OIL FILL
AN ATTACHMENT

SMCS-1107 **i01391601**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*150-3135*	1	COVER GP-VALVE MECHANISM	93
Y	2	1	*150-3139*	1	COVER GP-VALVE MECHANISM	94
Y	3	1	*187-1326*	1	COVER GP-VALVE MECHANISM	98

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00740368

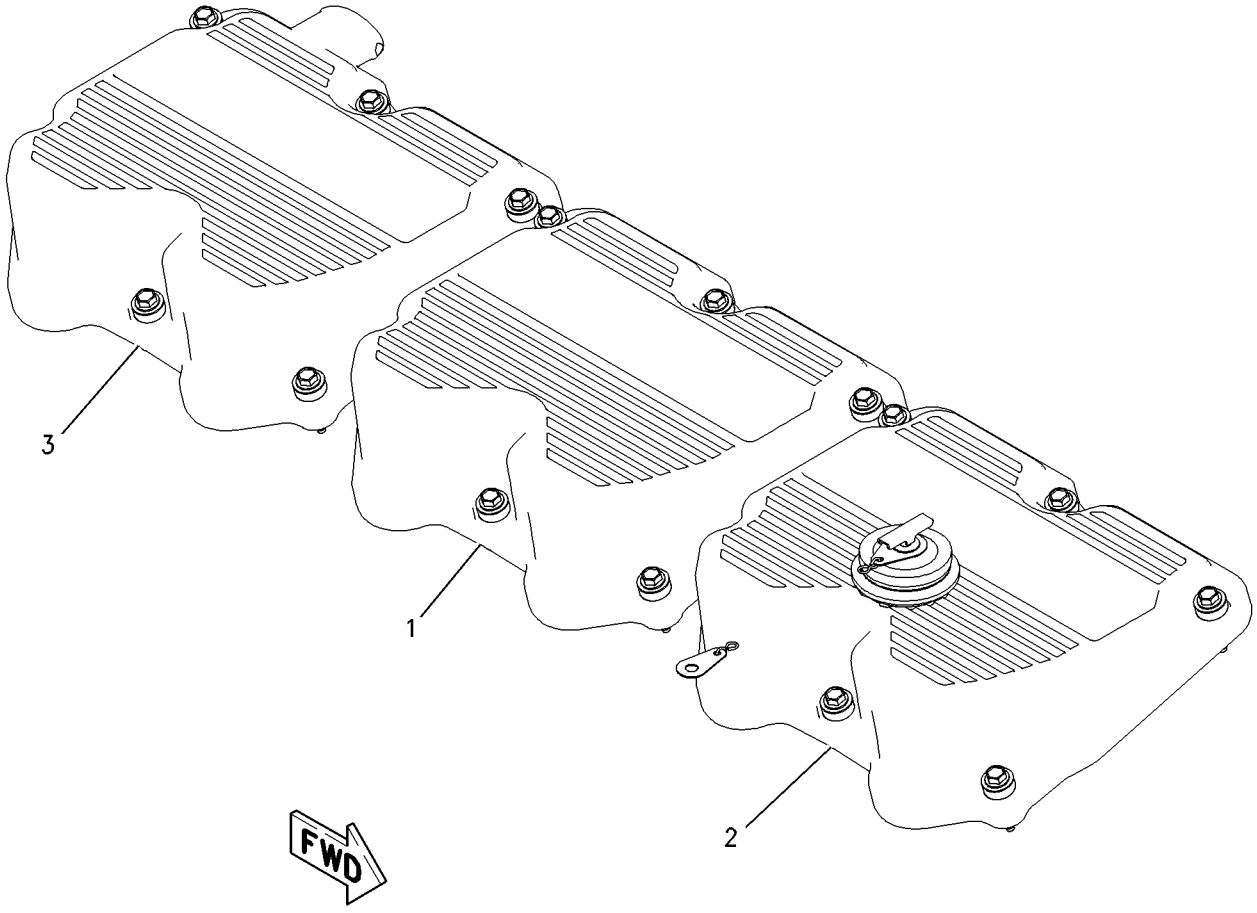
187-2701 COVER GP-VALVE MECHANISM

S/N: JRE10502-UP
REAR MOUNTED BREATHER, FRONT MOUNTED OIL FILL
AN ATTACHMENT

SMCS-1107 **i03580145**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*150-3135*	1	COVER GP-VALVE MECHANISM	93
Y	2	1	*150-3139*	1	COVER GP-VALVE MECHANISM	94
CY	3	1	*341-6804*	1	COVER GP-VALVE MECHANISM	112

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



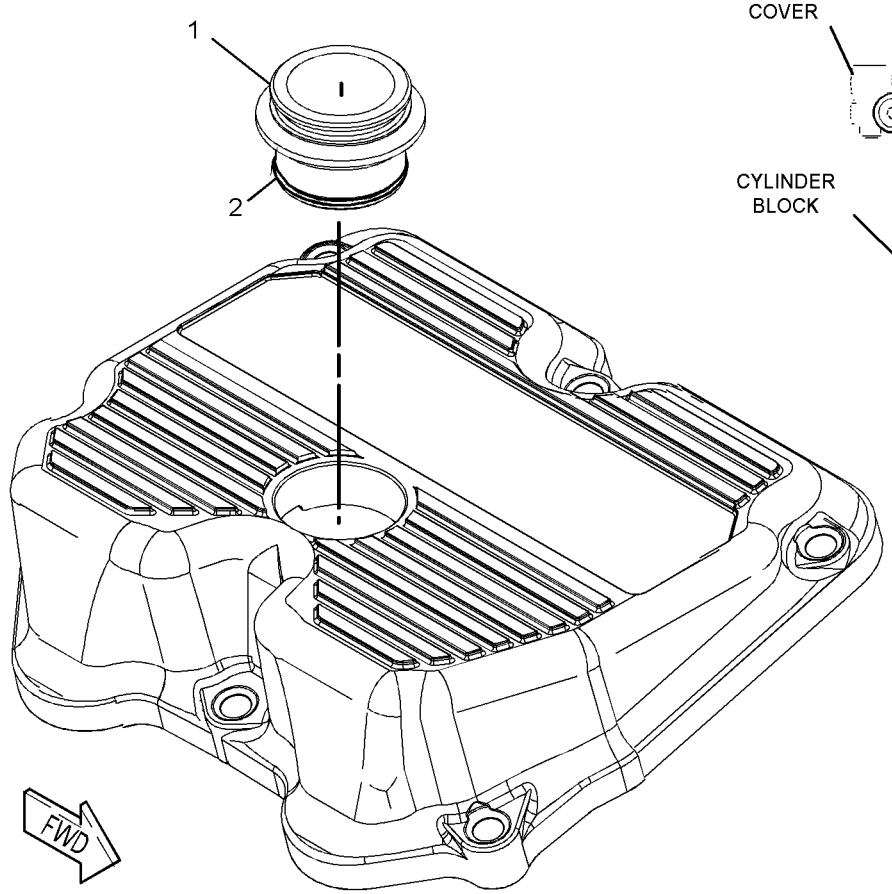
GRAPHIC #1 **<END>** g00740368

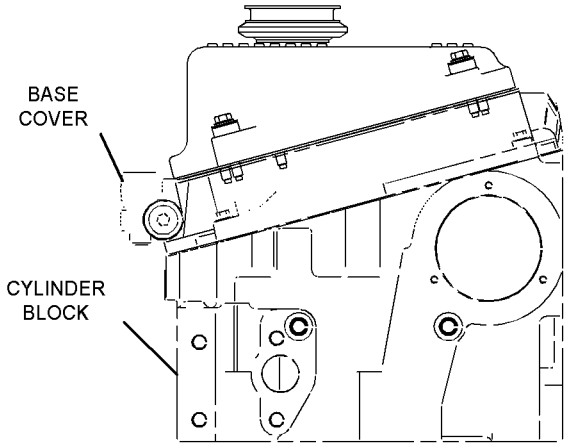
225-1147 COVER GP-VALVE MECHANISM

PART OF 225-1149 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02487153**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-6514**	1	ADAPTER	
	2	1	**272-2583**	1	SEAL-O-RING	





FRONT VIEW
(TYPICAL INSTALLATION)

GRAPHIC #1

<END>

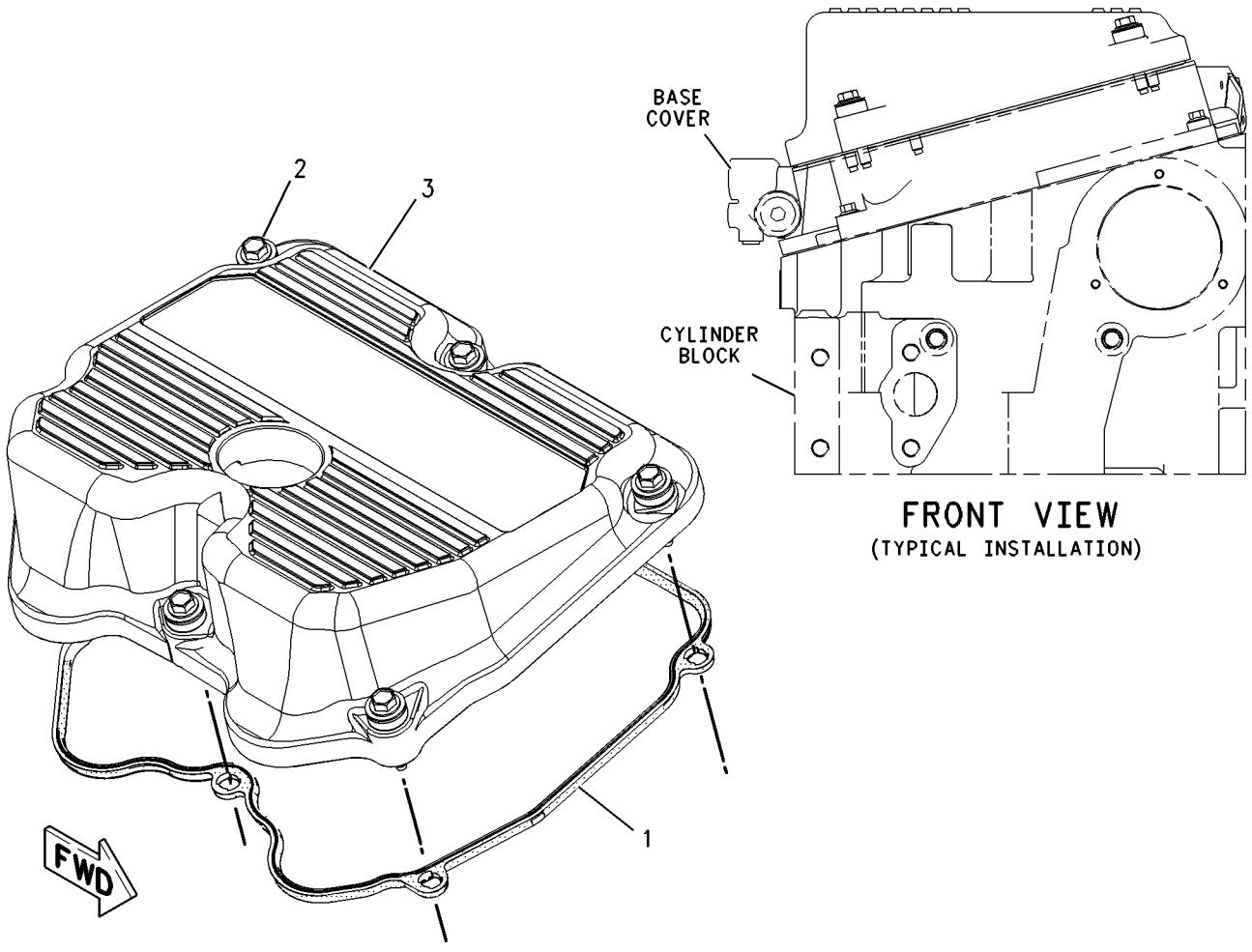
g01242213

225-1148 COVER GP-VALVE MECHANISM

PART OF 239-4112, 248-5588, 248-5590, 255-4649 COVER GP-VALVE MECHANISM AN ATTACHMENT

SMCS-1107 **i02810054**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**242-9537**	1	SEAL-VALVE COVER	
	2	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	
	3	1	**225-1144**	1	COVER-VALVE	



GRAPHIC #1 **<END>** g00991113

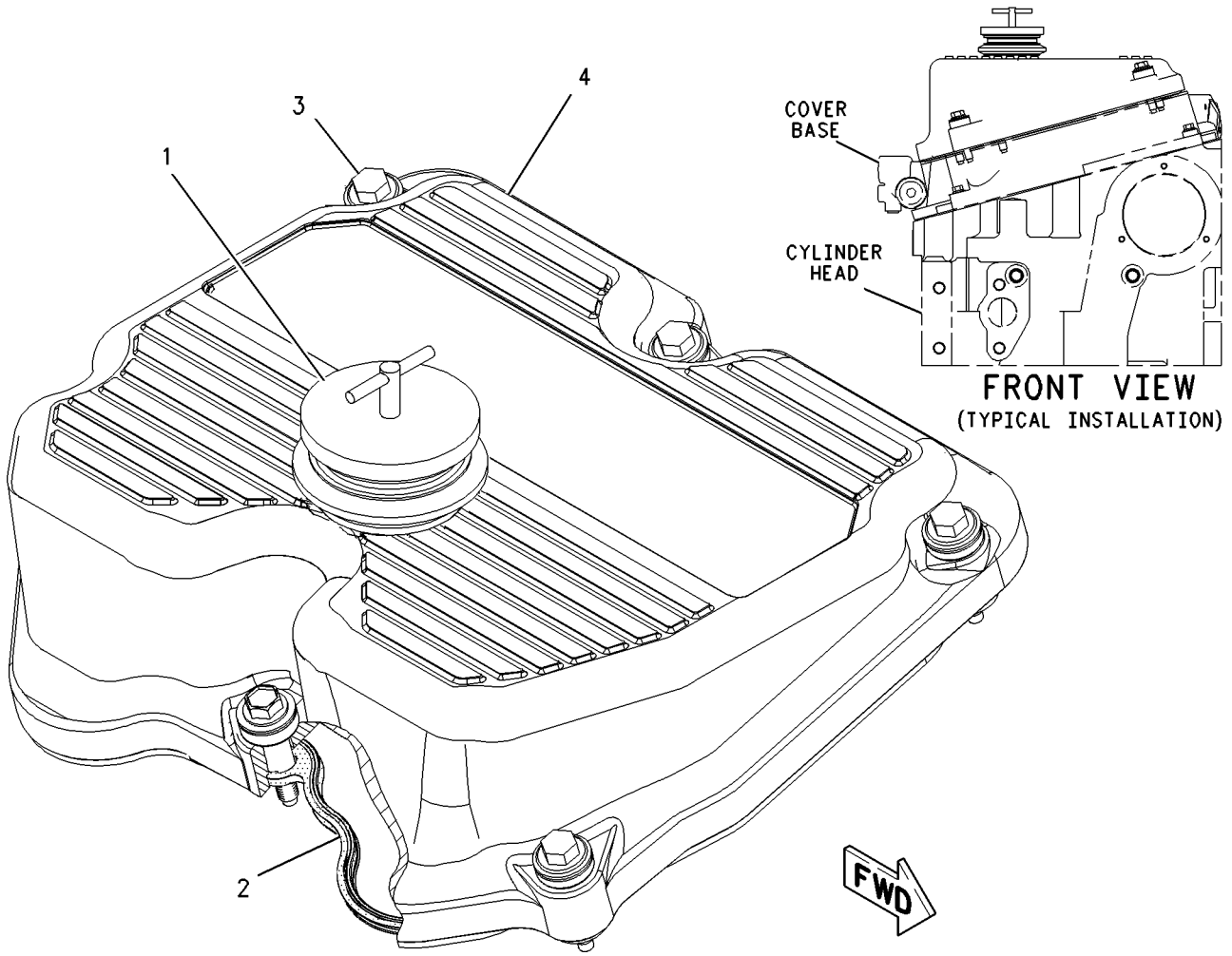
225-1149 COVER GP-VALVE MECHANISM

PART OF 239-4112, 248-5588 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02434277**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**113-5253**	1	CAP AS-FILLER (ENGINE OIL)	
	2	1	**242-9537**	1	SEAL-VALVE COVER	
	3	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	
Y	4	1	**225-1147**	1	COVER GP-VALVE MECHANISM	104

Y-SEPARATE ILLUSTRATION



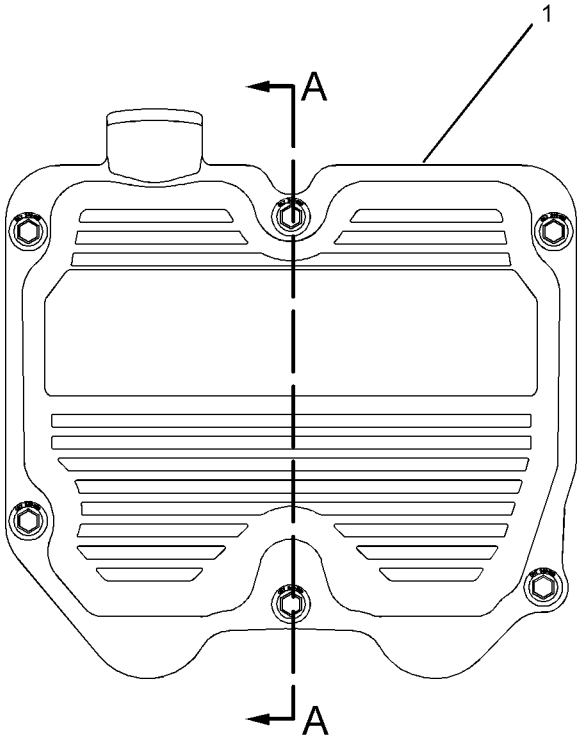
GRAPHIC #1 **<END>** g00991081

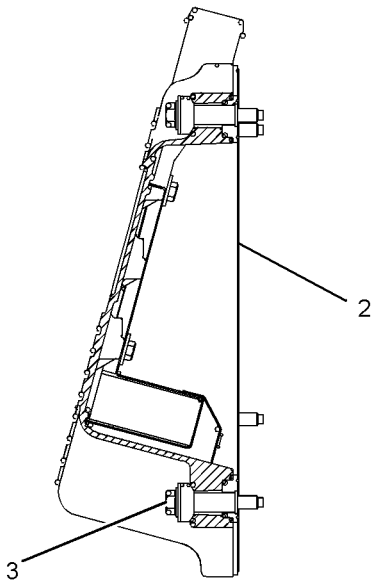
239-4111 COVER GP-VALVE MECHANISM

PART OF 239-4112, 248-5588, 248-5590, 255-4649 COVER GP-VALVE MECHANISM
AN ATTACHMENT

SMCS-1107 **i02305859**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**269-6348**	1	COVER AS-VALVE	
	2	1	**242-9537**	1	SEAL-VALVE COVER	
	3	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
		1	**149-7378**	1	GROMMET	





SECTION A-A

GRAPHIC #1 **<END>** g01052702

239-4112 COVER GP-VALVE MECHANISM

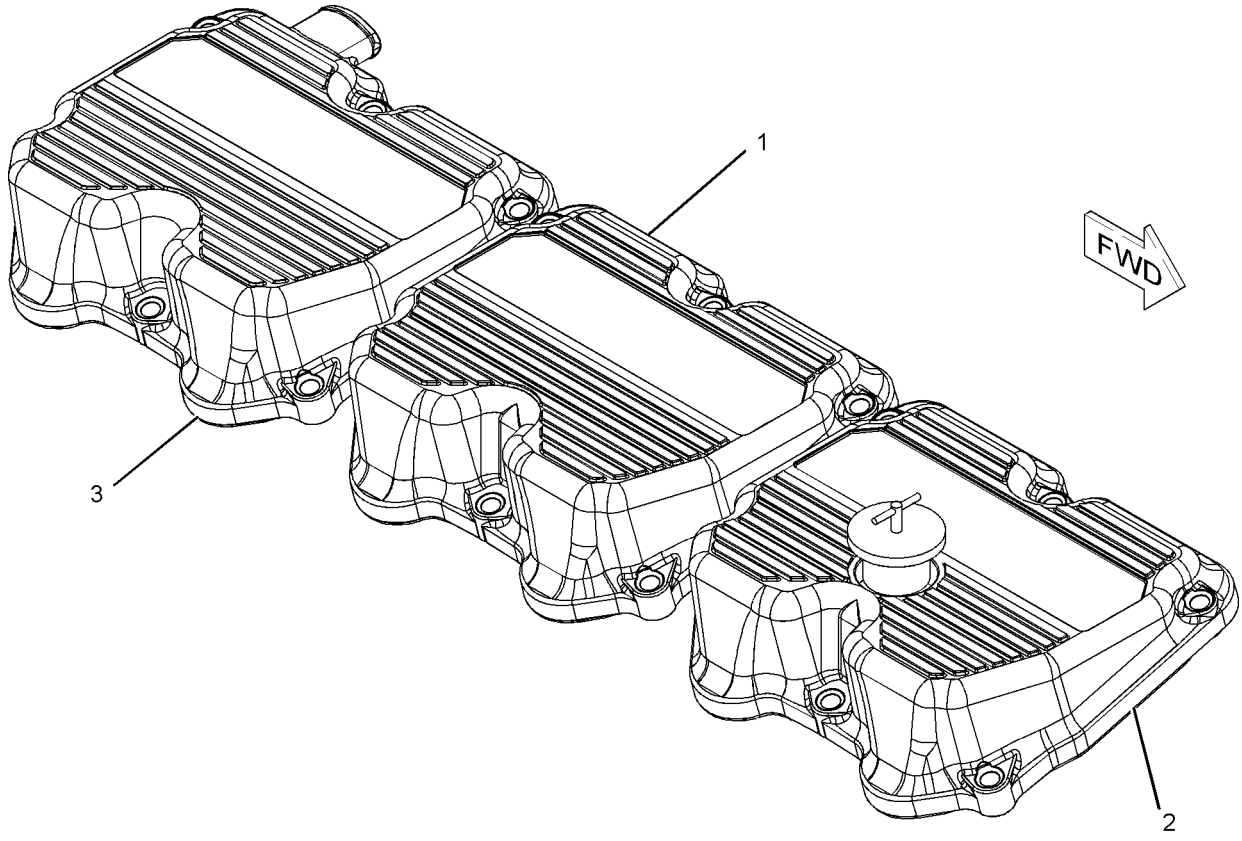
FRONT OIL FILL AND REAR BREATHER

AN ATTACHMENT

SMCS-1107 **i02050922**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*225-1148*	1	COVER GP-VALVE MECHANISM	105
Y	2	1	*225-1149*	1	COVER GP-VALVE MECHANISM	106
Y	3	1	*239-4111*	1	COVER GP-VALVE MECHANISM	107

Y-SEPARATE ILLUSTRATION



TOP VIEW

GRAPHIC #1

<END>

g01060802

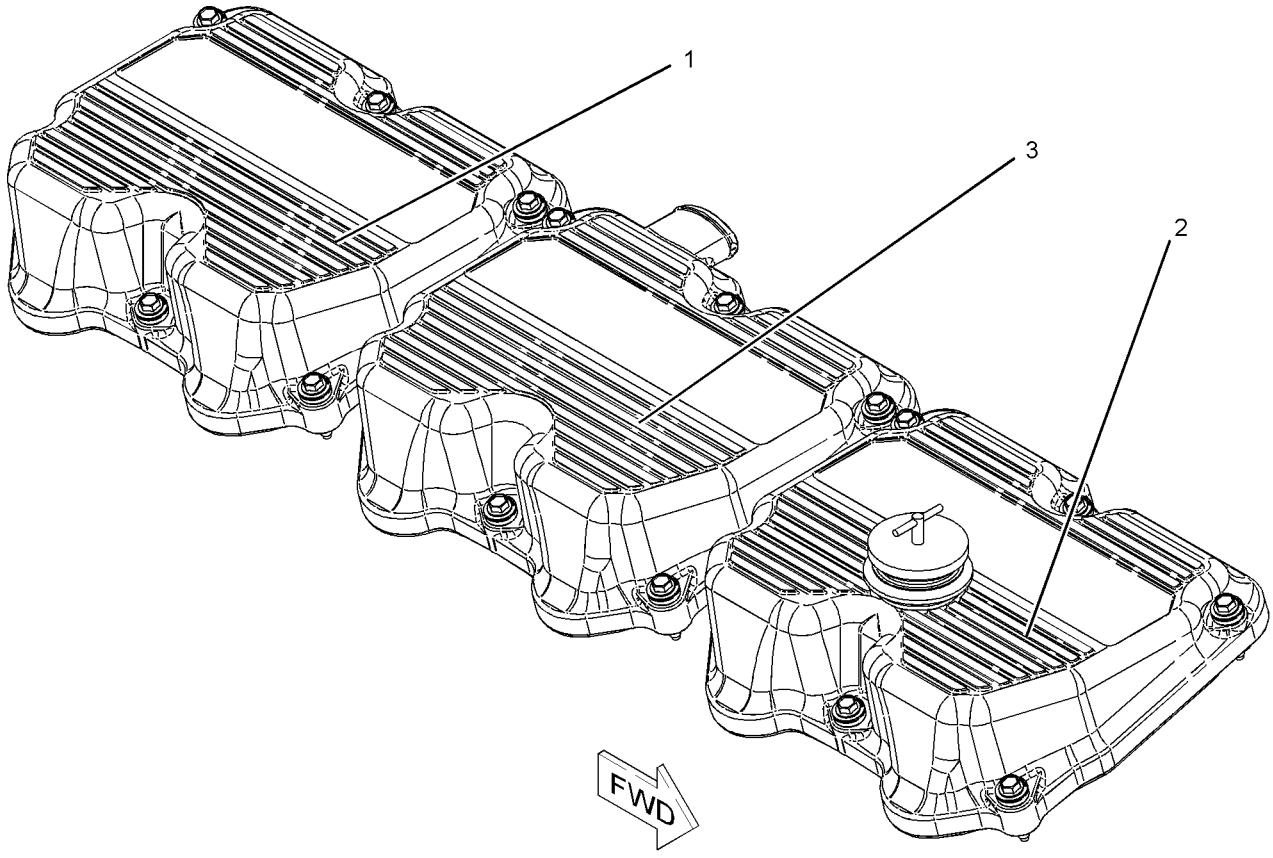
248-5588 COVER GP-VALVE MECHANISM

S/N: JRE1-10631
BLACK ISOLATED VALVE COVERS, FRONT OIL FILL
FOR USE WITH MIDDLE VALVE COVER FUMES DISPOSAL. CANNOT BE USED WITH HIGH MOUNTED FUEL FILTER
AN ATTACHMENT

SMCS-1107 **i02072661**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*225-1148*	1	COVER GP-VALVE MECHANISM	105
Y	2	1	*225-1149*	1	COVER GP-VALVE MECHANISM	106
Y	3	1	*239-4111*	1	COVER GP-VALVE MECHANISM	107

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01064273

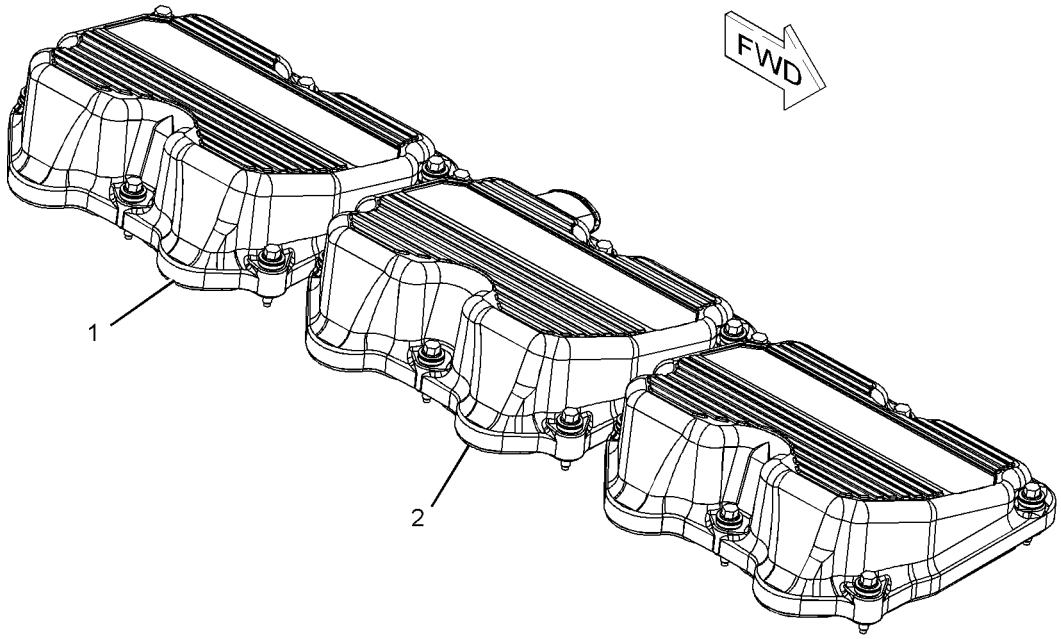
248-5590 COVER GP-VALVE MECHANISM

NO OIL FILL AND A MID MOUNTED BREATHER
FOR USE WITH MIDDLE VALVE COVER FUMES DISPOSAL GROUP. CANNOT BE USED WITH HIGH MOUNTED FUEL FILTER
AN ATTACHMENT

SMCS-1107 **i02117197**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*225-1148*	2	COVER GP-VALVE MECHANISM	105
Y	2	1	*239-4111*	1	COVER GP-VALVE MECHANISM	107

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01078718

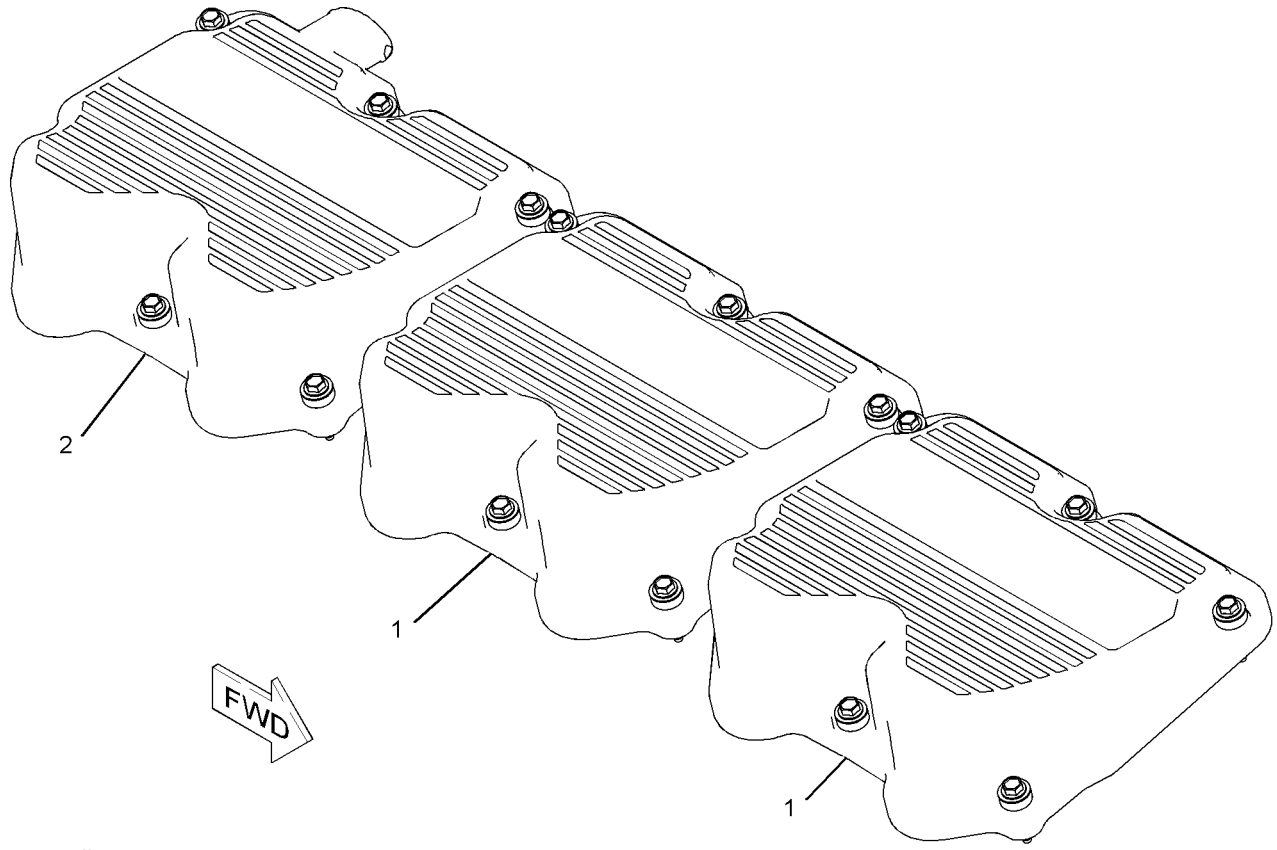
255-4649 COVER GP-VALVE MECHANISM

NO OIL FILL AND A REAR MOUNTED BREATHER
FOR USE WITH REAR DISPOSAL GROUP FUMES SINGLE
AN ATTACHMENT

SMCS-1107 **i02116581**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*225-1148*	2	COVER GP-VALVE MECHANISM	105
Y	2	1	*239-4111*	1	COVER GP-VALVE MECHANISM	107

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01078445

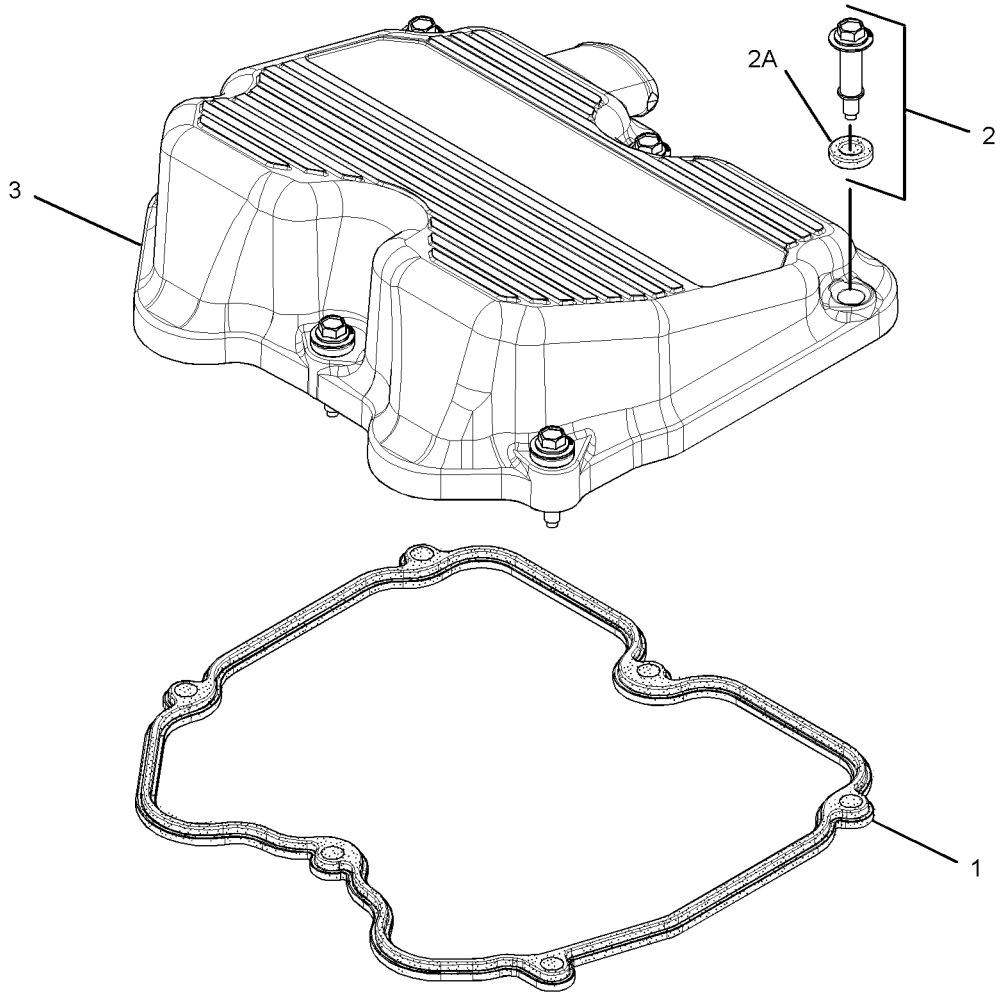
341-6804 COVER GP-VALVE MECHANISM

S/N: JRE6649-UP

PART OF 187-1328, 187-2701 COVER GP-VALVE MECHANISM AN ATTACHMENT

SMCS-1107 **i03531580**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**242-9537**	1	SEAL-VALVE COVER	
	2	1	**243-1159**	6	FASTENER AS	
					(EACH INCLUDES)	
	2A	1	**149-7378**	1	GROMMET	
	3	1	**239-4106**	1	COVER AS-VALVE	



GRAPHIC #1 **<END>** g01860954

BASIC ENGINE

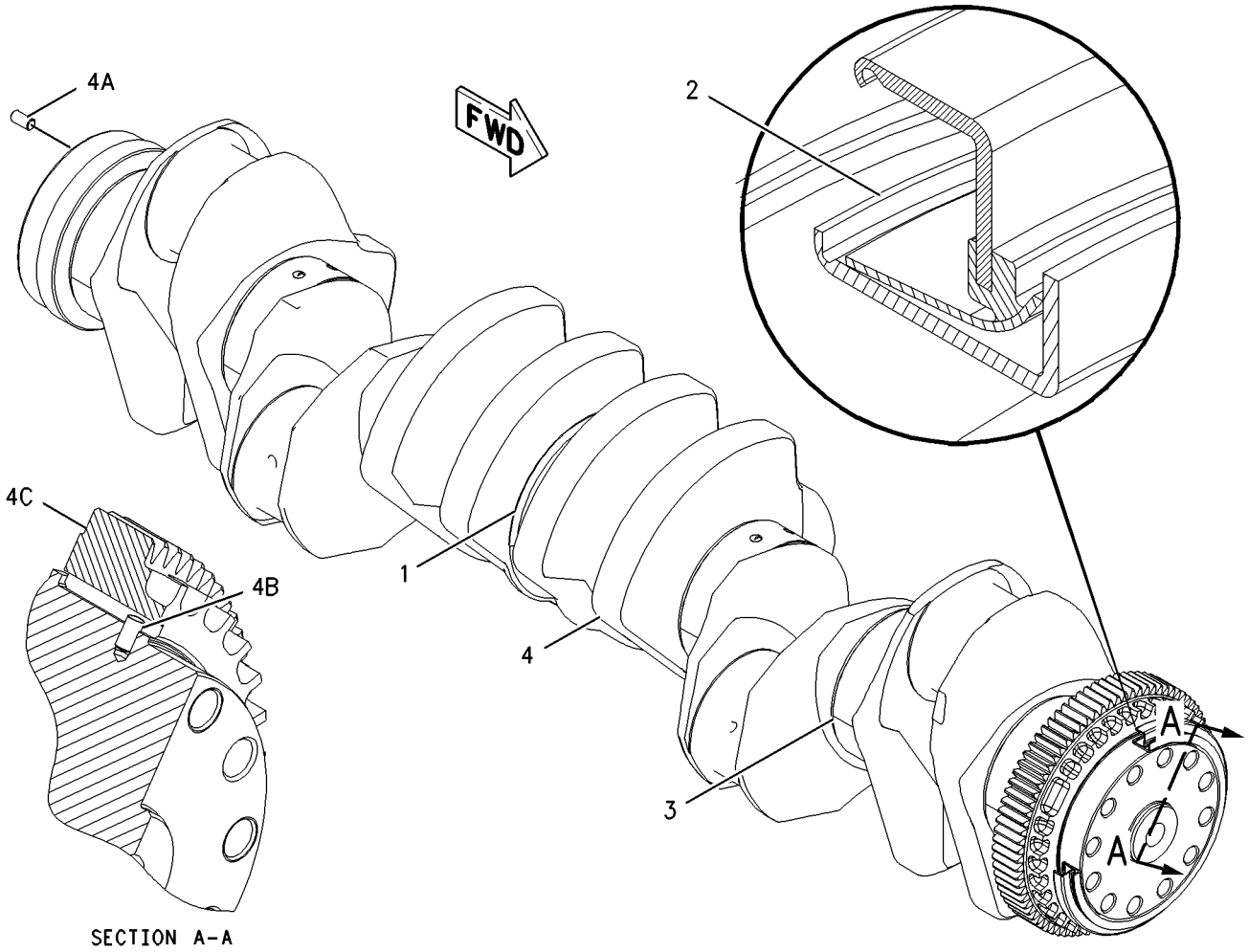
223-9731 CRANKSHAFT GP

ALSO AN ATTACHMENT

SMCS-1202 **i03645098**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
J	1	1	**253-1752**	2	PLATE-THRUST	
Y	2	1	*319-7401*	1	SEAL GP-CRANKSHAFT (FRONT)	392
J	3	1	**317-8766**	7	BEARING-MAIN (STANDARD)	
AB		1	**4W-5698**		BEARING-MAIN (0.63-MM US)	
AB		1	**4W-5699**		BEARING-MAIN (1.27-MM US)	
AB		1	**4W-5700**		BEARING-MAIN (0.63-MM OS)	
AB		1	**4W-5701**		BEARING-MAIN (0.63-MM US - 0.63-MM OS)	
R	4	1	**221-9360**	1	CRANKSHAFT AS	
	4A	1	**4N-0684**	1	DOWEL	
	4B	1	**7S-5005**	1	DOWEL	
	4C	1	**160-5120**	1	GEAR-CRANKSHAFT (80-TEETH)	
					AVAILABLE REPAIR KIT(S):	
AJ			**243-6718**		KIT-CRANKSHAFT BEARING (STANDARD)	
					(INCLUDES A COMPLETE SET OF THRUST PLATES AND MAIN BEARINGS)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
J-KIT MARKED J INCLUDES PARTS MARKED J
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00955077

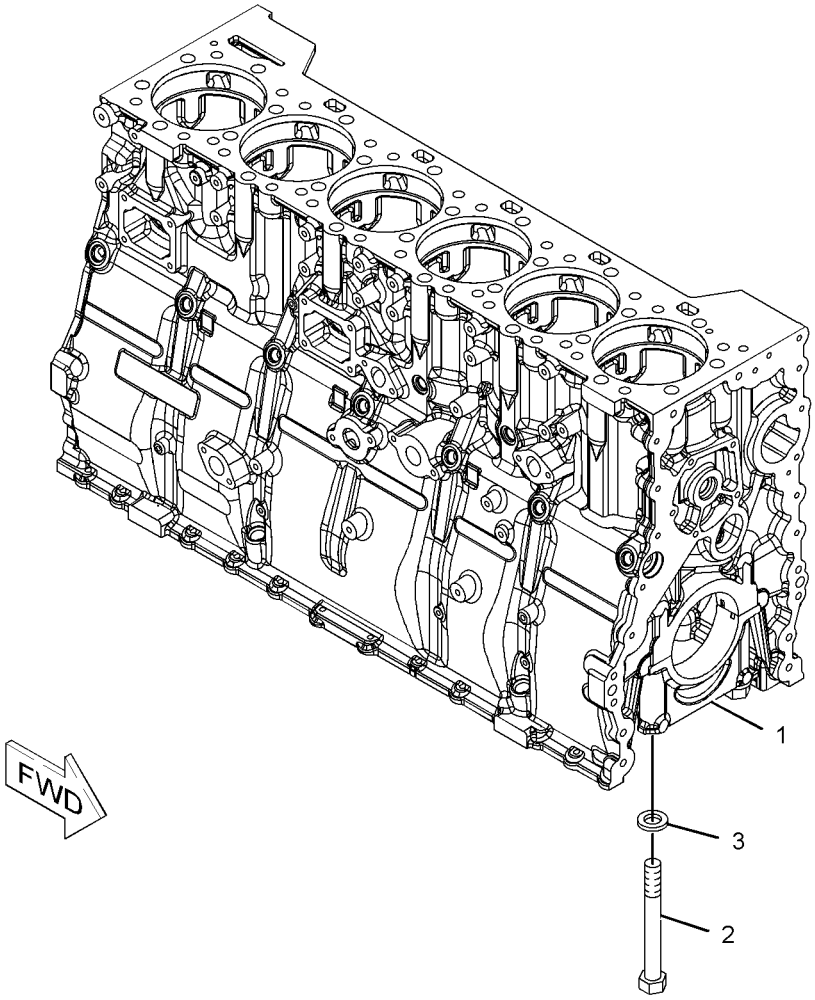
BASIC ENGINE

229-8568 CYLINDER BLOCK AS

S/N: JRE106-1162
PART OF 222-1976 CYLINDER BLOCK GP
ALSO AN ATTACHMENT

SMCS-1201 **i02228404**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**167-8081**	7	CAP-CRANKSHAFT BEARING	
	2	1	**167-8083**	14	BOLT (7/8-14X7.5-IN)	
	3	1	**9H-1031**	14	WASHER-HARD (24X41.5X6-MM THK)	



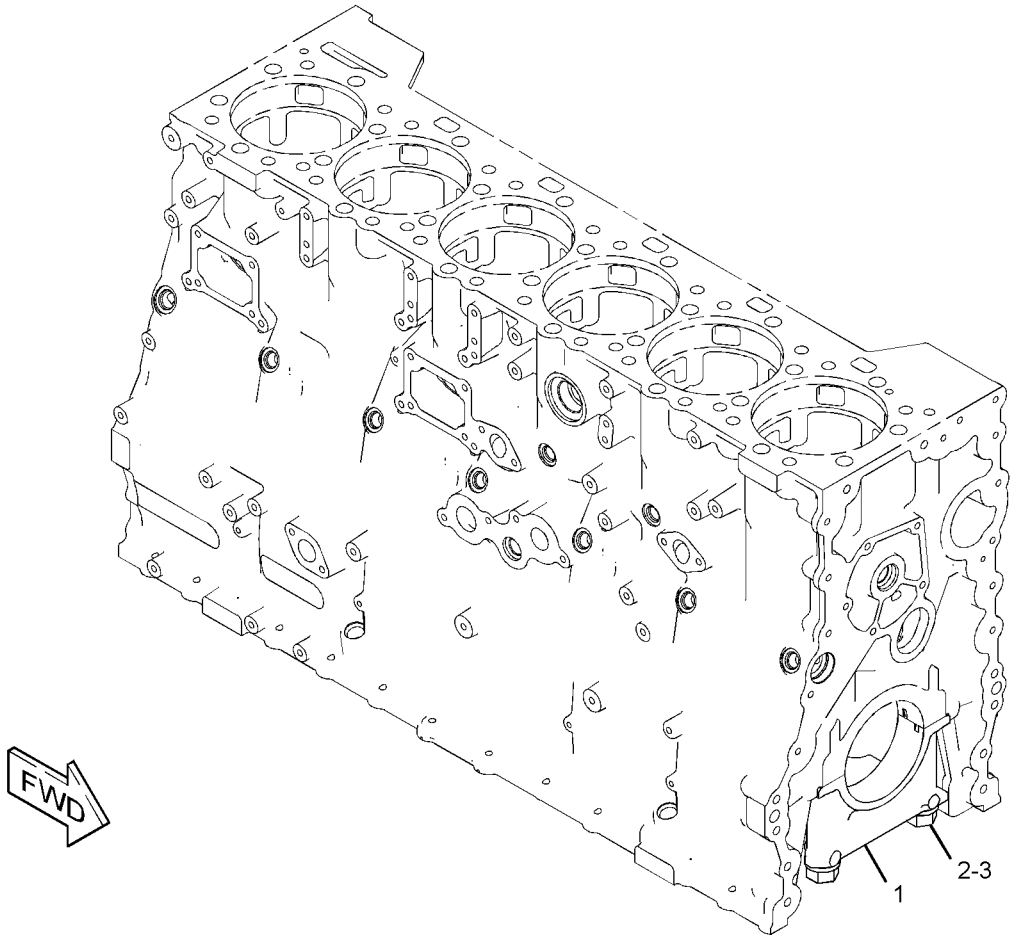
GRAPHIC #1 **<END>** g01122669

267-4631 CYLINDER BLOCK AS

S/N: JRE3478-UP
PART OF 267-4632 CYLINDER BLOCK AS
ALSO AN ATTACHMENT

SMCS-1201 **i02348817**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**167-8081**	7	CAP-CRANKSHAFT BEARING	
	2	1	**167-8083**	14	BOLT (7/8-14X7.5-IN)	
	3	1	**9H-1031**	14	WASHER-HARD (24X41.5X6-MM THK)	



GRAPHIC #1 **<END>** g01177294

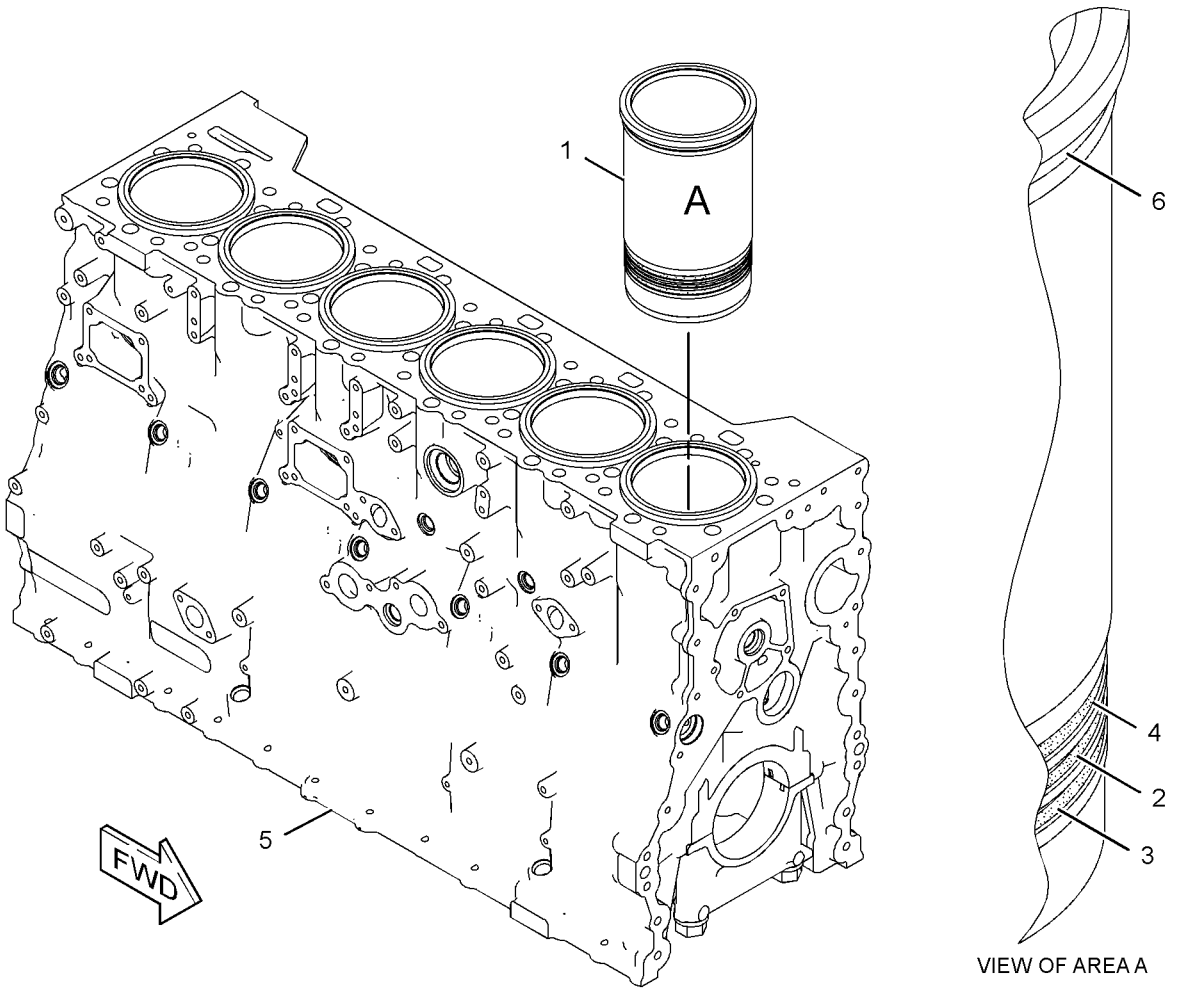
267-4632 CYLINDER BLOCK AS

S/N: JRE3478-UP
PART OF 223-9252 CYLINDER BLOCK GP
ALSO AN ATTACHMENT

SMCS-1201 **i02528877**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**197-9322**	6	LINER-CYLINDER	
	2	1	**110-2220**	6	SEAL-LINER	
	3	1	**142-6217**	6	SEAL-O-RING	
	4	1	**142-7072**	6	SEAL-LINER	
YR	5	1	**267-4631**	1	CYLINDER BLOCK AS	115
	6	1	**9L-5854**	6	BAND-FILLER (130.2-MM ID)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01177148

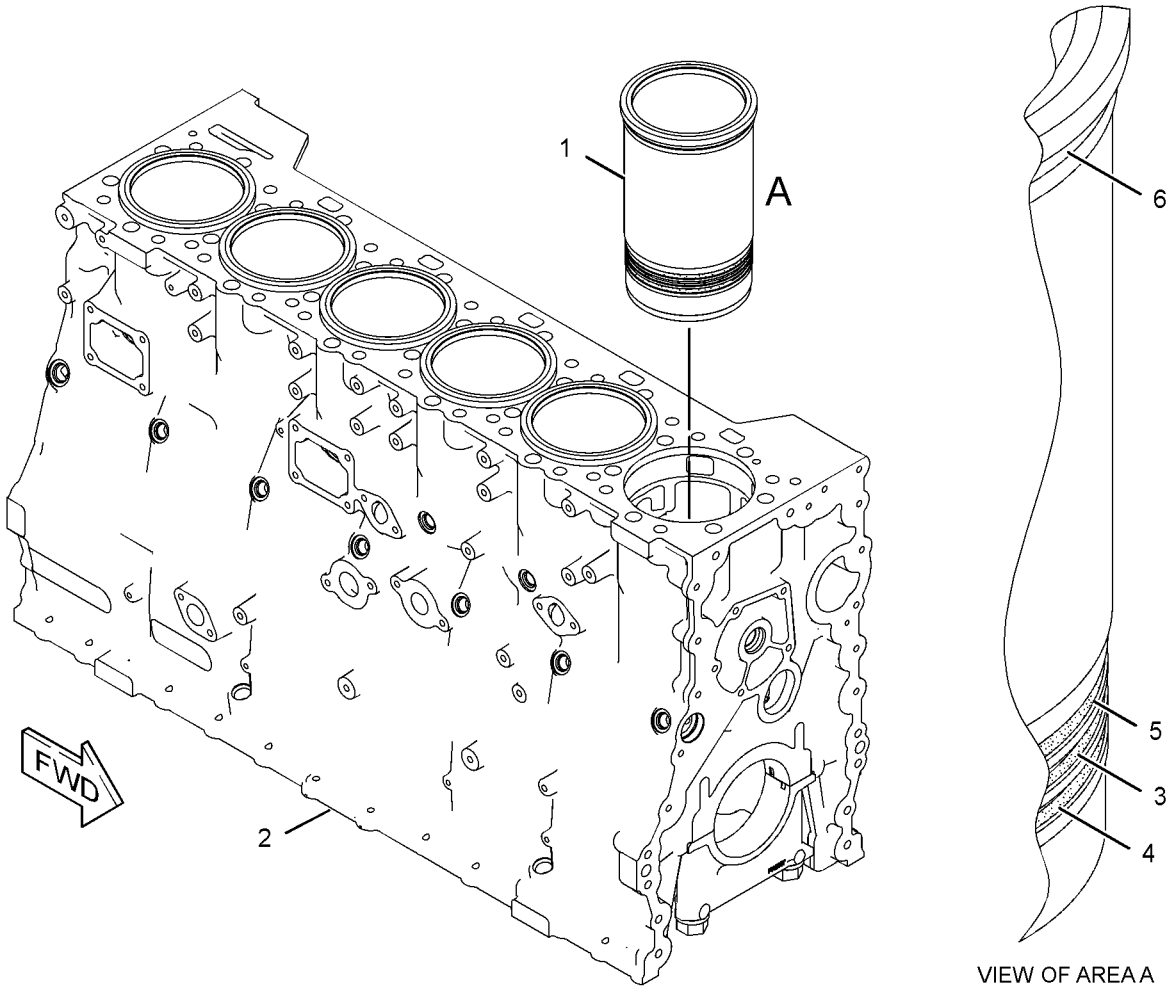
222-1976 CYLINDER BLOCK GP

S/N: JRE106-1162
PART OF 223-9252 CYLINDER BLOCK GP
ALSO AN ATTACHMENT

SMCS-1201 **i03565992**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**238-2700**	6	LINER-CYLINDER	
YR	2	1	**229-8568**	1	CYLINDER BLOCK AS	114
	3	1	**110-2220**	6	SEAL-LINER	
	4	1	**142-6217**	6	SEAL-O-RING	
	5	1	**142-7072**	6	SEAL-LINER	
	6	1	**9L-5854**	6	BAND-FILLER (130.2-MM ID)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01888233

BASIC ENGINE

223-9252 CYLINDER BLOCK GP

S/N: JRE106-1162

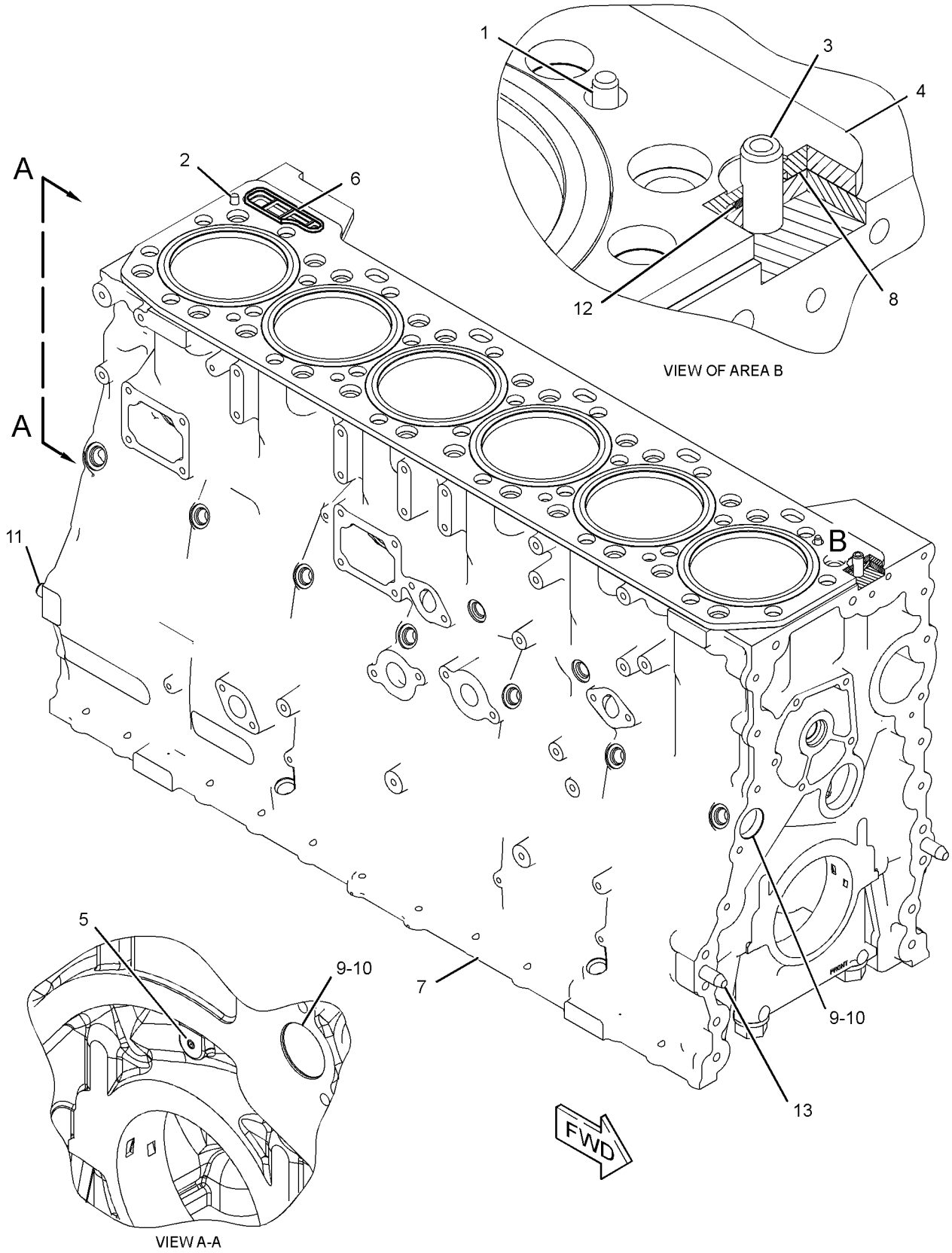
ALSO AN ATTACHMENT

SMCS-1201 **i02940646**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-9540**	1	DOWEL	
	2	1	**4N-1650**	1	DOWEL	
	3	1	**6I-1055**	1	DOWEL	
	4	1	**6I-4421**	1	PLATE-SPACER	
	5	1	**8S-9094**	1	PLUG-ORIFICE	
	6	1	**142-2329**	1	SEAL	
Y	7	1	**222-1976**	1	CYLINDER BLOCK GP	117
	8	1	**227-1204**	1	GASKET	
	9	1	**100-7399**	2	PLUG	
	10	1	**250-0466**	2	SEAL-O-RING	
	11	1	**4N-0683**	2	DOWEL	
	12	1	**5P-0840**	1	SEAL-O-RING	
	13	1	**266-6038**	2	DOWEL	

Y-SEPARATE ILLUSTRATION

223-9252 **CYLINDER BLOCK GP** *(contd.)* **i02940646**



GRAPHIC #1 **<END>** g01381152

BASIC ENGINE

223-9252 CYLINDER BLOCK GP

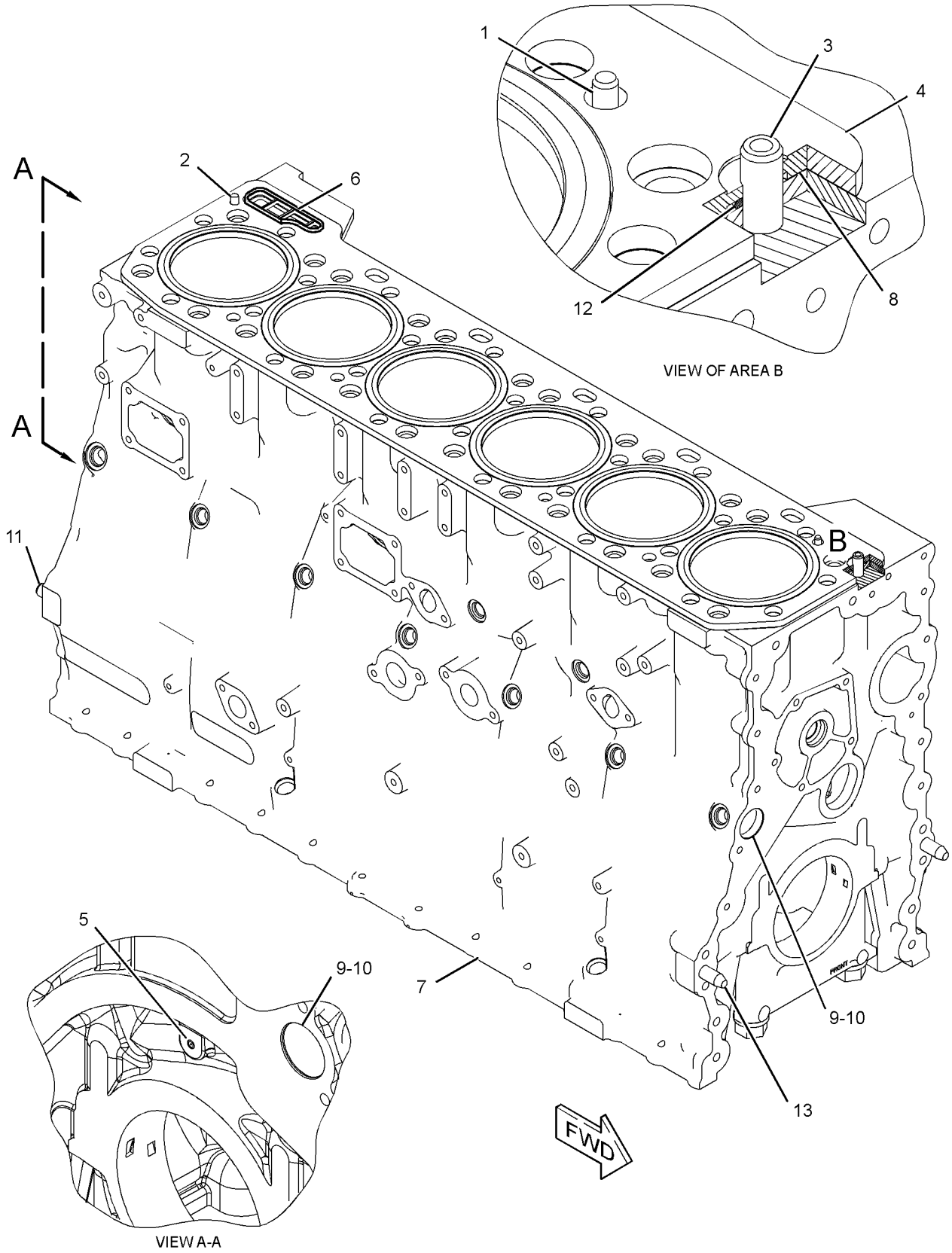
S/N: JRE1163-3477
ALSO AN ATTACHMENT

SMCS-1201 **i03091753**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-9540**	1	DOWEL	
	2	1	**4N-1650**	1	DOWEL	
	3	1	**6I-1055**	1	DOWEL	
	4	1	**6I-4421**	1	PLATE-SPACER	
	5	1	**8S-9094**	1	PLUG-ORIFICE	
	6	1	**142-2329**	1	SEAL	
CY	7	1	**234-5997**	1	CYLINDER BLOCK GP	124
	8	1	**227-1204**	1	GASKET	
	9	1	**100-7399**	2	PLUG	
	10	1	**250-0466**	2	SEAL-O-RING	
	11	1	**4N-0683**	2	DOWEL	
	12	1	**5P-0840**	1	SEAL-O-RING	
	13	1	**266-6038**	2	DOWEL	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

223-9252 **CYLINDER BLOCK GP** *(contd.)* **i03091753**



GRAPHIC #1 **<END>** g01381152

223-9252 CYLINDER BLOCK GP

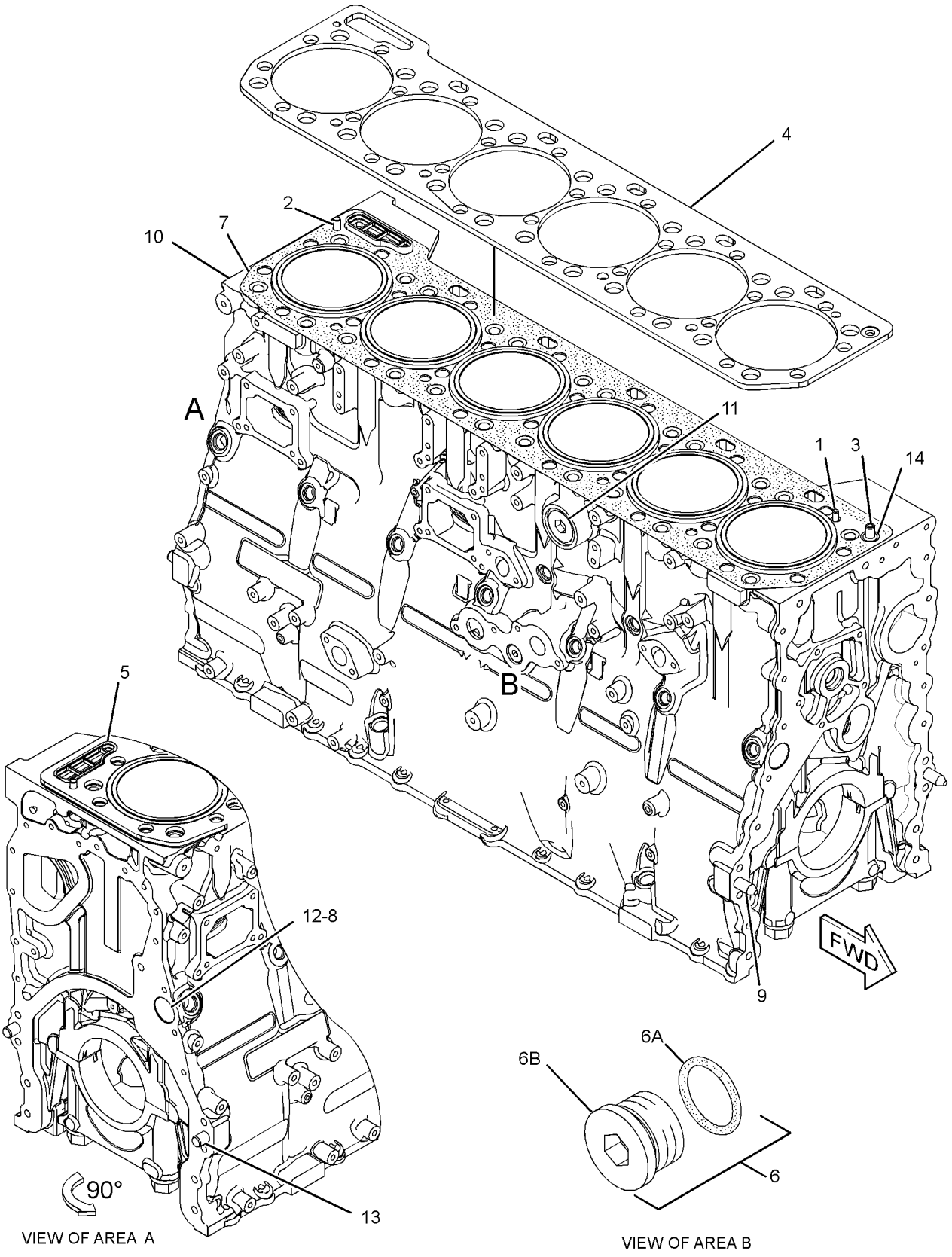
ALSO AN ATTACHMENT

SMCS-1201 **i02969244**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-9540**	1	DOWEL	
	2	1	**4N-1650**	1	DOWEL	
	3	1	**6I-1055**	1	DOWEL	
	4	1	**6I-4421**	1	PLATE-SPACER	
	5	1	**142-2329**	1	SEAL	
C	6	1	*201-4340*	1	PLUG AS	
	6A	1	**6V-4589**	1	SEAL-O-RING	
	6B	1	**9S-8006**	1	PLUG-O-RING	
	7	1	**227-1204**	1	GASKET	
	8	1	**250-0466**	2	SEAL-O-RING	
	9	1	**266-6038**	2	DOWEL	
CY	10	1	**267-4632**	1	CYLINDER BLOCK AS	116
CY	11	1	*305-9196*	1	PLUG GP-CYLINDER BLOCK	352
	12	1	**100-7399**	2	PLUG	
	13	1	**4N-0683**	2	DOWEL	
	14	1	**5P-0840**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

223-9252 **CYLINDER BLOCK GP** *(contd.)* **i02969244**



GRAPHIC #1 **<END>** g01513093

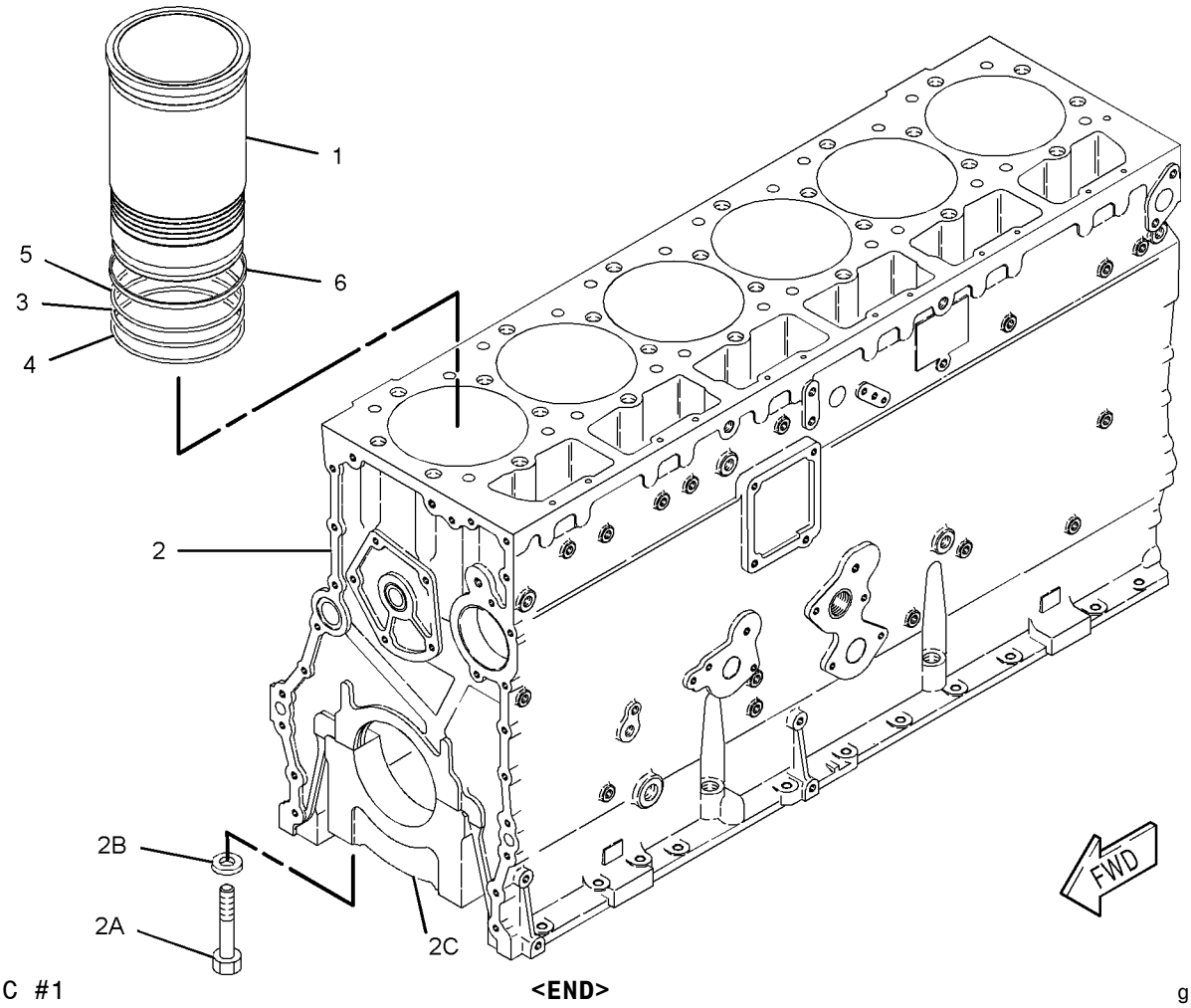
234-5997 CYLINDER BLOCK GP

S/N: JRE1163-3477
ACERT, 14.6 LITER
PART OF 223-9252 CYLINDER BLOCK GP
ALSO AN ATTACHMENT

SMCS-1201 **i02040064**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**197-9322**	6	LINER-CYLINDER	
R	2	1	**229-8568**	1	CYLINDER BLOCK AS	
	2A	1	**167-8083**	14	BOLT (7/8-14X7.5-IN)	
	2B	1	**9H-1031**	14	WASHER-HARD (24X41.5X6-MM THK)	
	2C	1	**167-8081**	7	CAP-CRANKSHAFT BEARING	
	3	1	**110-2220**	6	SEAL-LINER (MIDDLE)	
	4	1	**142-6217**	6	SEAL-O-RING (OIL)	
	5	1	**142-7072**	6	SEAL-LINER (COOLANT)	
	6	1	**9L-5854**	6	BAND-FILLER (130.2-MM ID)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01053564

223-7263 CYLINDER HEAD AS

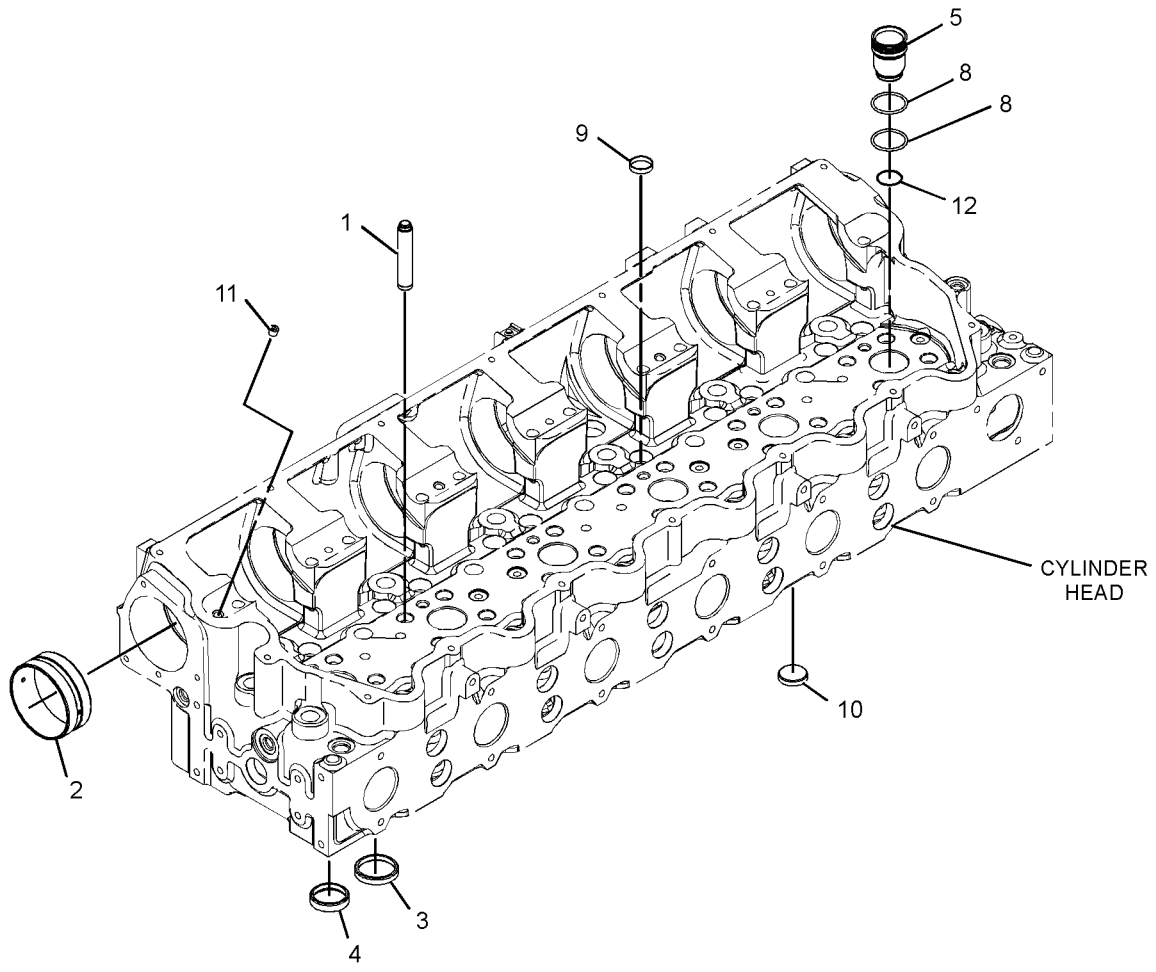
S/N: JRE106-UP
WITH PRE-FINISHED VALVE SEAT INSERTS
PART OF 243-6741 CYLINDER HEAD AS, 223-9250 CYLINDER HEAD GP
ALSO AN ATTACHMENT

SMCS-1100, 1101 **i02844808**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**122-7375**	24	GUIDE-VALVE (STANDARD)	
AB		1	**122-0447**		GUIDE-VALVE (0.51-MM OS)	
AB		1	**122-8612**		GUIDE-VALVE (0.13-MM OS)	
	2	1	**216-5582**	7	BEARING-SLEEVE (STANDARD)	
AB		1	**217-0751**		BEARING-SLEEVE (0.254-MM OS)	
AB		1	**217-0752**		BEARING-SLEEVE (0.762-MM OS)	
AB		1	**261-3429**		BEARING-SLEEVE (1.778-MM OS)	
AB		1	**261-3430**		BEARING-SLEEVE (1.27-MM OS)	
	3	1	**224-3983**	12	INSERT-SEAT (INLET) (STANDARD)	
AB		1	**314-3063**		INSERT-VALVE SEAT (0.55 MM US THK)	
AB		1	**314-3064**		INSERT-VALVE SEAT (INLET 0.13 OS OD)	
AB		1	**314-3065**		INSERT-VALVE SEAT (0.13 MM OS OD, 0.55 MM US THK)	
AB		1	**314-3066**		INSERT-VALVE SEAT (INLET 0.26 OS OD)	
AB		1	**314-3067**		INSERT-VALVE SEAT (0.26 MM OS OD, 0.55 MM US THK)	
AB		1	**314-3068**		INSERT-VALVE SEAT (INLET 0.51 OS OD)	
AB		1	**314-3069**		INSERT-VALVE SEAT (0.51 MM OS OD, 0.55 MM US THK)	
	4	1	**226-5561**	12	INSERT-VALVE (EXHAUST) (STANDARD)	
AB		1	**288-4883**		INSERT-VALVE (EXHAUST 0.51 OS OD)	
AB		1	**288-4884**		INSERT-VALVE (EXHAUST 0.76 OS OD)	
	5	1	**263-4920**	6	SLEEVE-INJECTOR (INLET)	
	8	1	**166-2904**	12	SEAL-O-RING	
	9	1	**3B-0623**	17	PLUG-CUP	
	10	1	**3B-0645**	20	PLUG-CUP	
	11	1	**8T-6757**	3	PLUG-PIPE	
	12	1	**9X-7430**	6	SEAL-O-RING	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED

223-7263 **CYLINDER HEAD AS** *(contd.)* **i02844808**



GRAPHIC #1 **<END>** g01370336

BASIC ENGINE

243-0943 CYLINDER HEAD AS

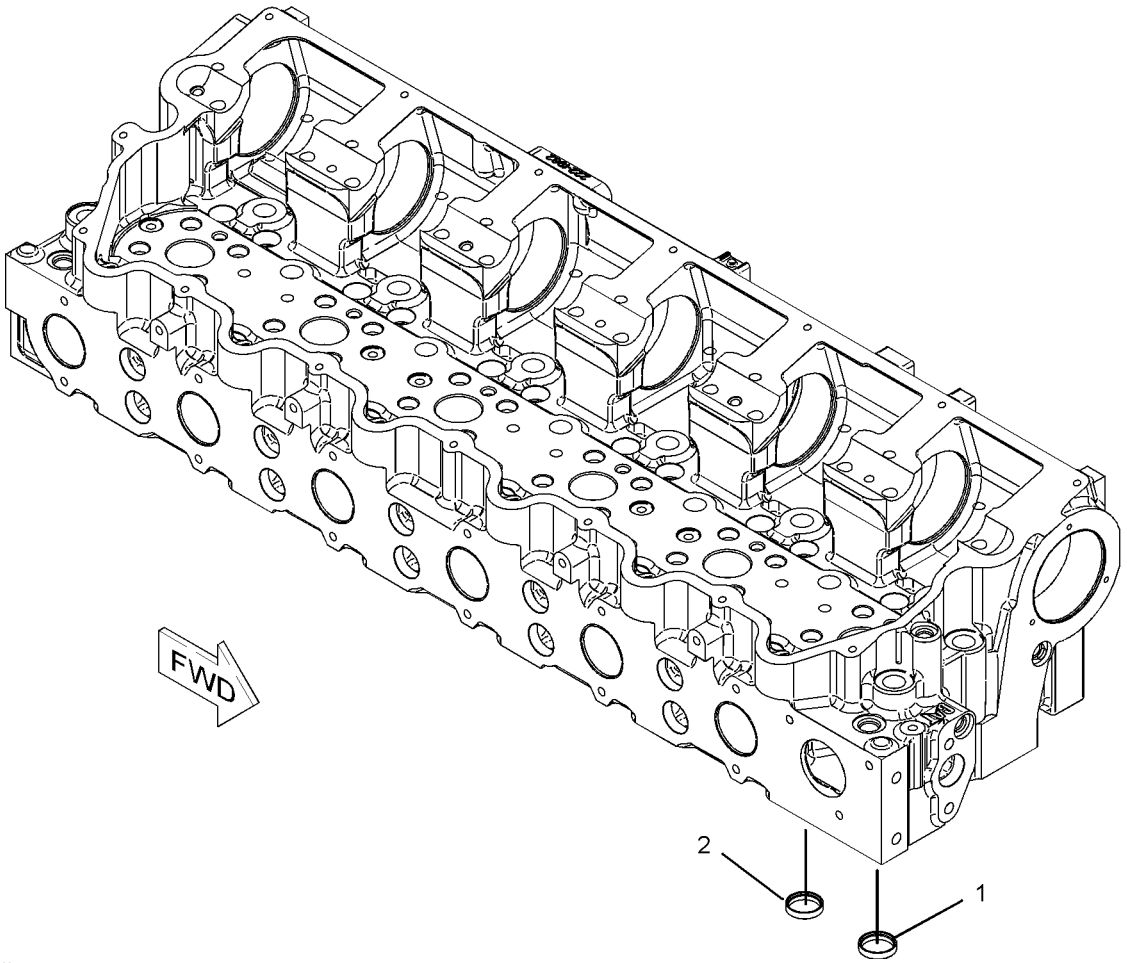
S/N: JRE106-605

PART OF 243-6741 CYLINDER HEAD AS

SMCS-1100, 1101 **i01983776**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**152-7582**	12	INSERT-VALVE SEAT (EXHAUST) (STANDARD)	
AB		1	**167-0642**		INSERT-VALVE SEAT (EXHAUST 0.76-MM OS OD)	
AB		1	**170-4737**		INSERT-VALVE SEAT (EXHAUST 0.51-MM OS OD)	
	2	1	**175-3617**	12	INSERT-VALVE SEAT (INLET) (STANDARD)	
AB		1	**167-0643**		INSERT-VALVE SEAT (INLET 0.76-MM OS OD)	
AB		1	**170-4738**		INSERT-VALVE SEAT (INLET 0.51-MM OS OD)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED



GRAPHIC #1 **<END>** g01028691

243-6741 CYLINDER HEAD AS

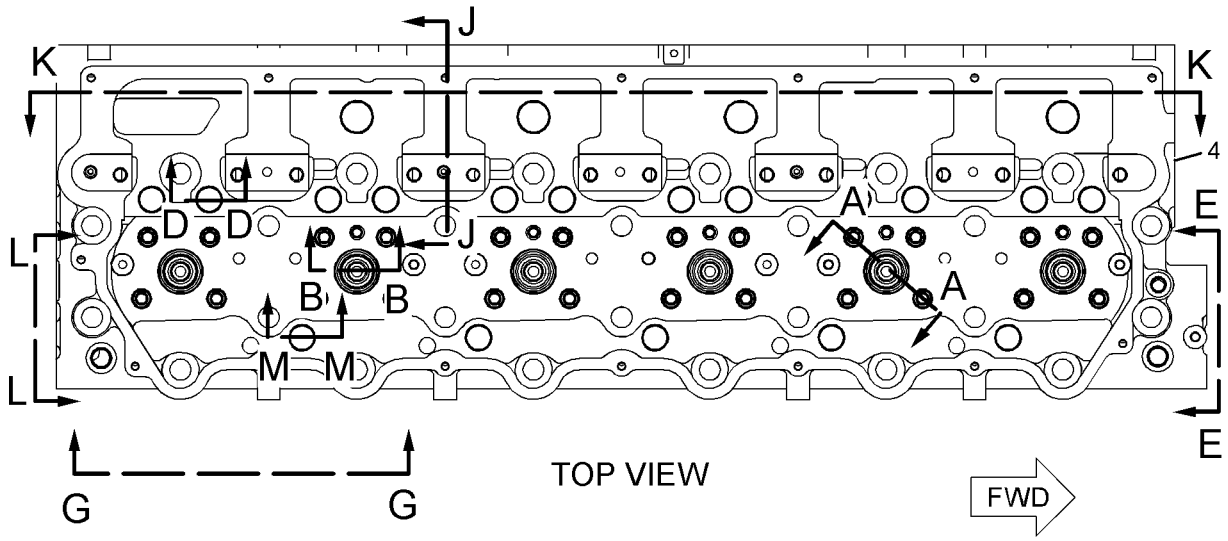
S/N: JRE106-605
WITH MACHINE IN PLACE VALVE SEAT INSERTS
PART OF 223-9250 CYLINDER HEAD GP

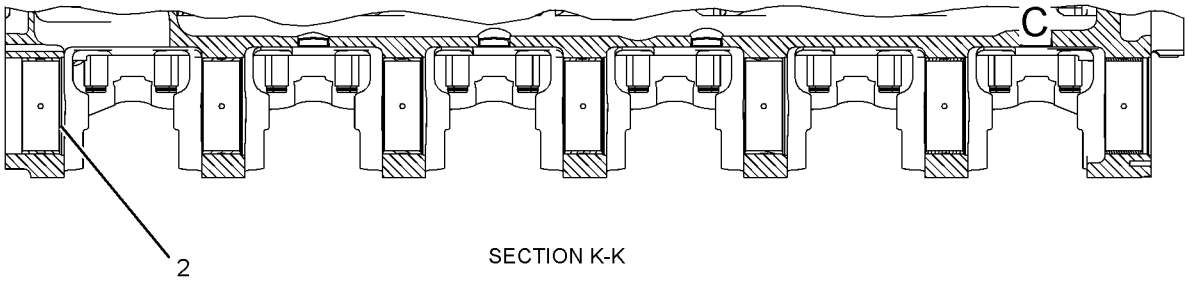
SMCS-1100, 1101 **i02763889**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**122-7375**	24	GUIDE-VALVE (STANDARD)	
AB		2	**122-0447**		GUIDE-VALVE (0.51-MM OS)	
AB		2	**122-8612**		GUIDE-VALVE (0.13-MM OS)	
	2	1	**216-5582**	7	BEARING-SLEEVE (STANDARD)	
AB		1	**217-0751**		BEARING-SLEEVE (0.254-MM OS)	
AB		1	**217-0752**		BEARING-SLEEVE (0.762-MM OS)	
AB		1	**261-3429**		BEARING-SLEEVE (1.778-MM OS)	
AB		1	**261-3430**		BEARING-SLEEVE (1.27-MM OS)	
	3	2	**227-4239**	6	SLEEVE-INJECTOR	
Y	4	1	**243-0943**	1	CYLINDER HEAD AS	127
					—OR—	
Y		1	**223-7263**	1	CYLINDER HEAD AS	125
	5	2	**166-2903**	6	SEAL-O-RING	
	6	2	**166-2904**	6	SEAL-O-RING	
	7	1	**3B-0623**	17	PLUG-CUP	
	8	1,2	**3B-0645**	20	PLUG-CUP	
	9	2	**8T-6757**	3	PLUG-PIPE	
	10	2	**9X-7430**	6	SEAL-O-RING	

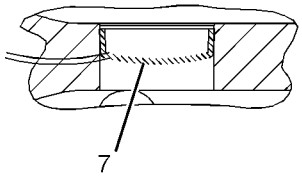
A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION

243-6741 CYLINDER HEAD AS *(contd.)* **i02763889**

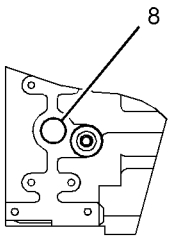




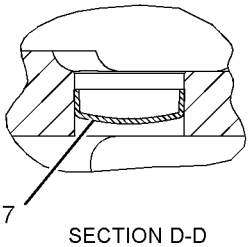
SECTION K-K



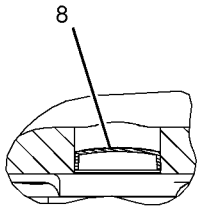
SECTION M-M



VIEW L-L



SECTION D-D



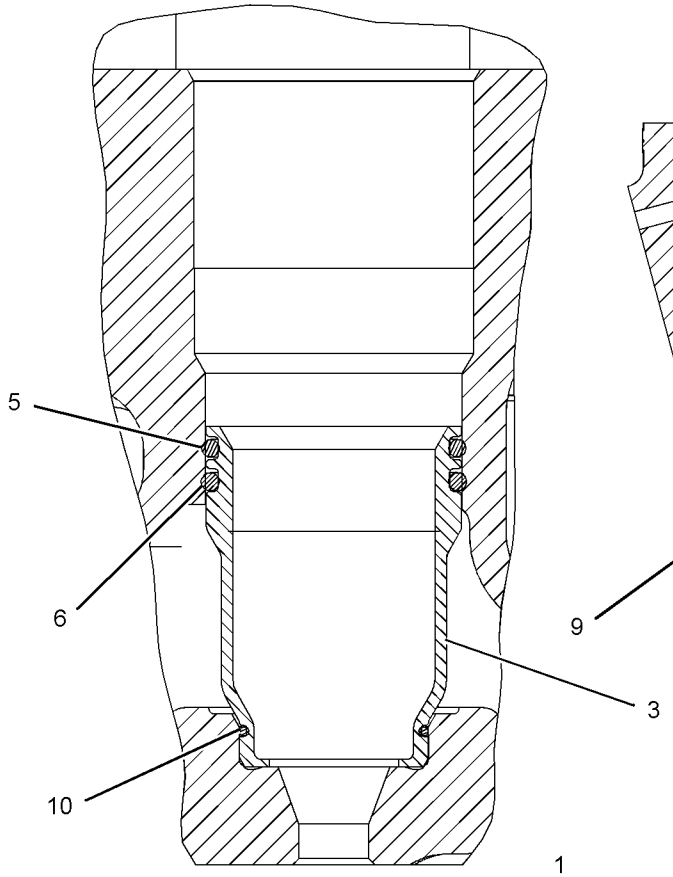
VIEW OF AREA C

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

g01221315

243-6741 CYLINDER HEAD AS *(contd.)* **i02763889**



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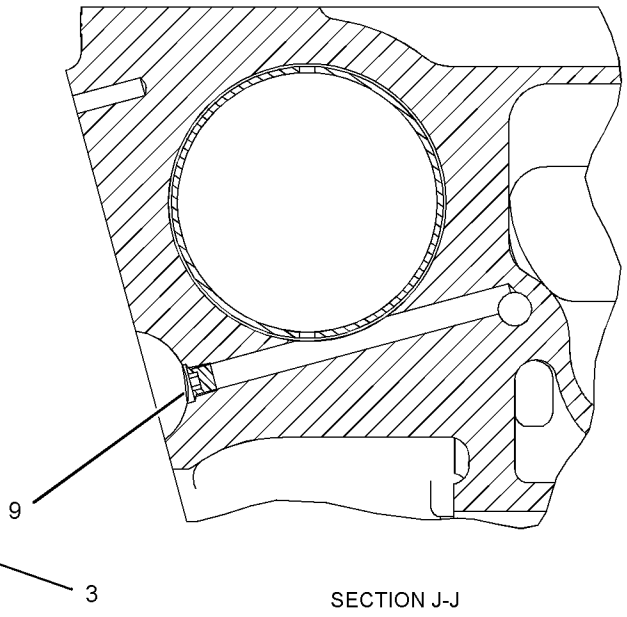
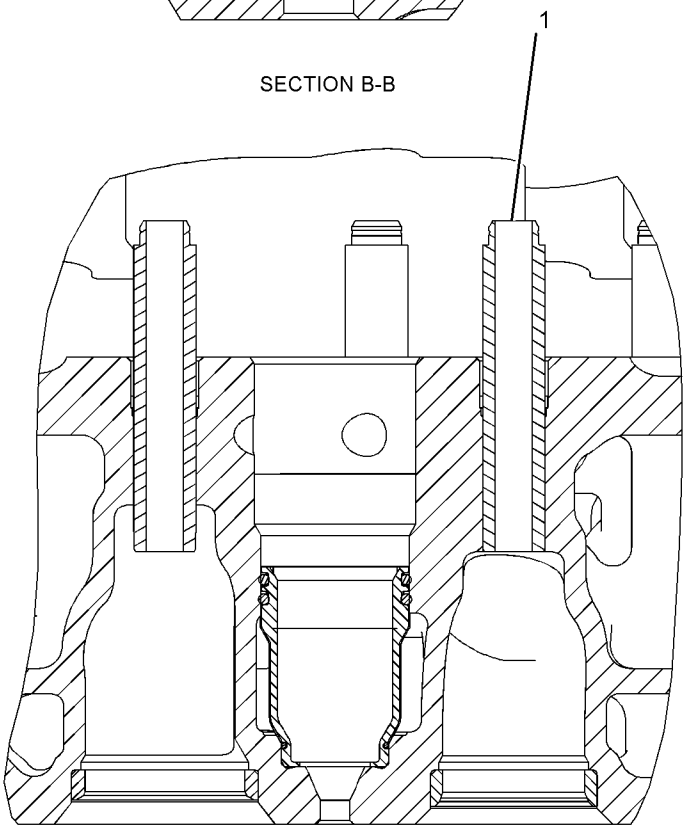
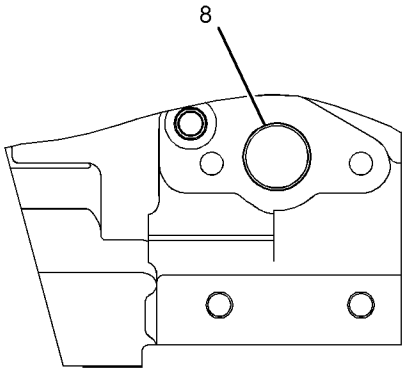


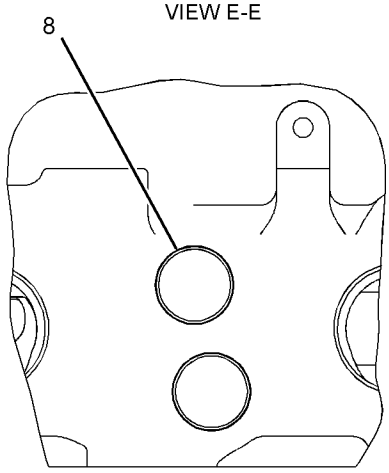
SECTION J-J



SECTION A-A



VIEW E-E



VIEW G-G

GRAPHIC #2 **<END>** g01029134

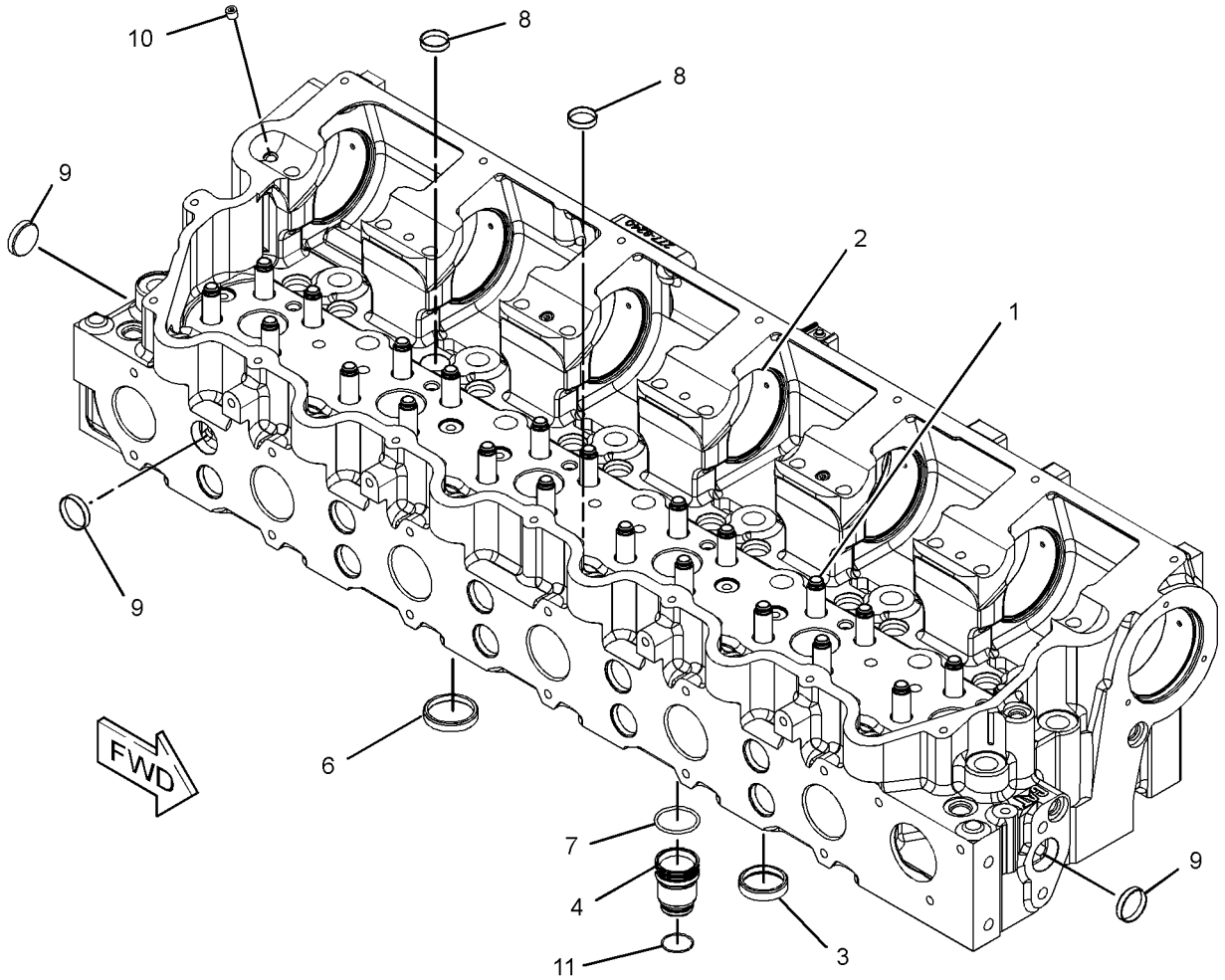
281-1640 CYLINDER HEAD AS

S/N: JRE5233-UP
CONTAINS PRECISION PRE-MACHINED VALVE SEAT INSERTS
PART OF 263-5055 CYLINDER HEAD GP
ALSO AN ATTACHMENT

SMCS-1100, 1101 **i02884458**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**122-7375**	24	GUIDE-VALVE (STANDARD)	
AB		1	**122-0447**		GUIDE-VALVE (0.51-MM OS)	
AB		1	**122-8612**		GUIDE-VALVE (0.13-MM OS)	
	2	1	**216-5582**	7	BEARING-SLEEVE (STANDARD)	
AB		1	**217-0751**		BEARING-SLEEVE (0.254-MM OS)	
AB		1	**217-0752**		BEARING-SLEEVE (0.762-MM OS)	
AB		1	**261-3429**		BEARING-SLEEVE (1.778-MM OS)	
AB		1	**261-3430**		BEARING-SLEEVE (1.27-MM OS)	
	3	1	**226-5561**	12	INSERT-VALVE (EXHAUST) (STANDARD)	
AB		1	**288-4883**		INSERT-VALVE (EXHAUST 0.51 OS OD)	
AB		1	**288-4884**		INSERT-VALVE (EXHAUST 0.76 OS OD)	
	4	1	**263-4920**	6	SLEEVE-INJECTOR (INLET)	
	6	1	**280-3979**	12	INSERT-VALVE (INLET) (STANDARD)	
AB		1	**288-4881**		INSERT-VALVE (INLET) (0.51-MM OS)	
AB		1	**288-4882**		INSERT-VALVE (INLET) (0.76-MM OS)	
	7	1	**166-2904**	12	SEAL-O-RING	
	8	1	**3B-0623**	17	PLUG-CUP	
	9	1	**3B-0645**	20	PLUG-CUP	
	10	1	**8T-6757**	3	PLUG-PIPE	
	11	1	**9X-7430**	6	SEAL-O-RING	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED



GRAPHIC #1 **<END>** g01207161

223-9250 CYLINDER HEAD GP*R

S/N: JRE106-605

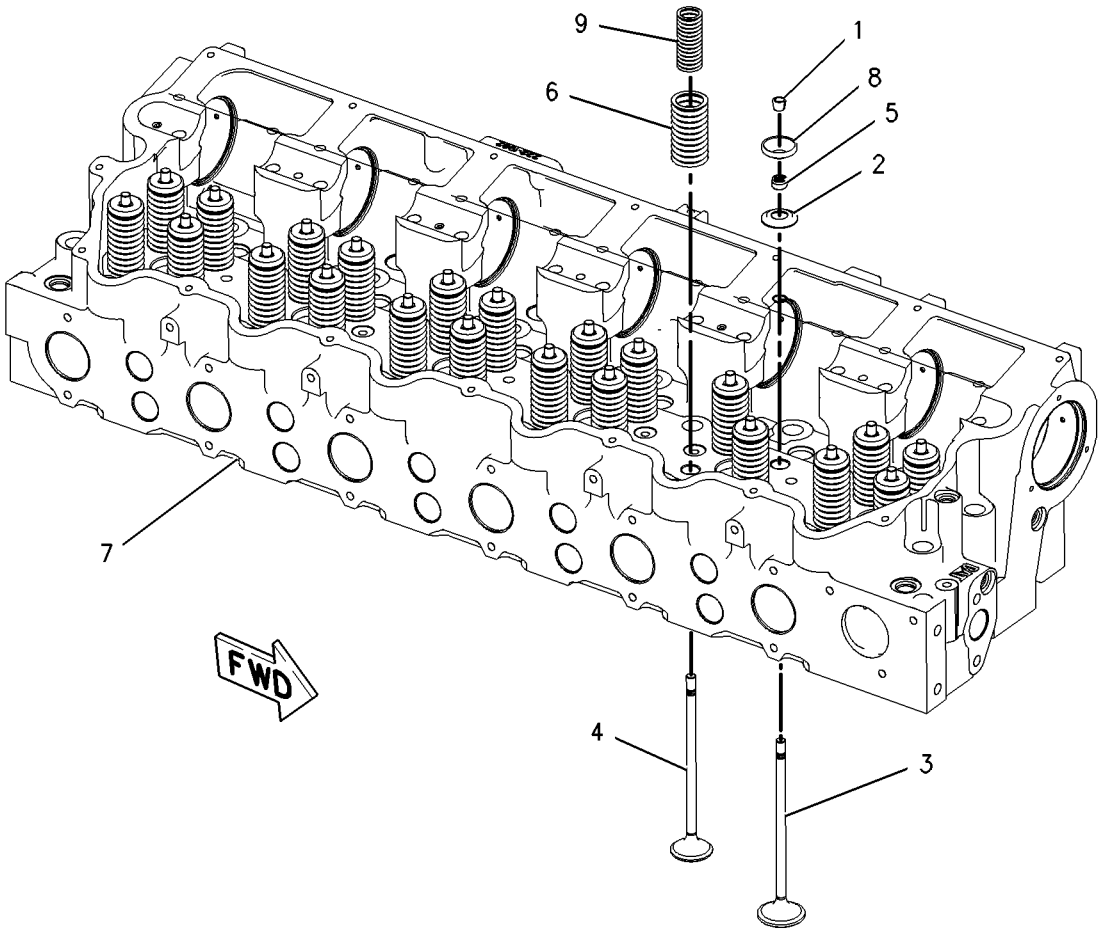
PART OF 234-9185 CYLINDER HEAD GP

OPTIONAL FIELD REPLACEMENT ORDER 263-5055—PAGE 139

SMCS-1100 **i02733172**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2A-4429**	48	LOCK-RETAINER	
	2	1	**6I-0928**	24	WASHER-SPECIAL	
	3	1	**153-7023**	12	VALVE-INLET	
	4	1	**153-7024**	12	VALVE-EXHAUST	
	5	1	**163-2478**	24	SEAL-VALVE STEM	
	6	1	**211-3123**	24	SPRING-VALVE (OUTER)	
CY	7	1	**243-6741**	1	CYLINDER HEAD AS	128
	8	1	**186-2001**	24	ROTOCOIL AS	
	9	1	**211-3122**	24	SPRING-VALVE (INNER)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00955632

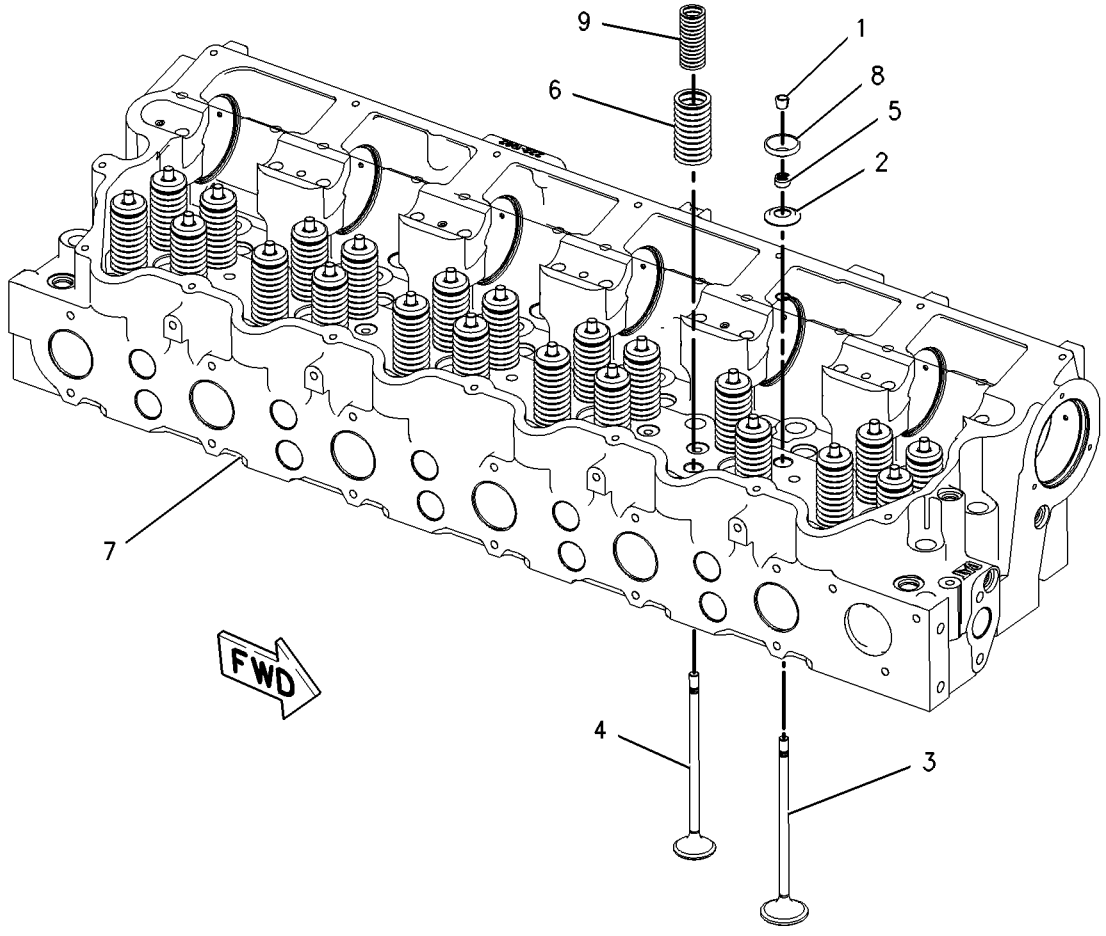
223-9250 CYLINDER HEAD GP*R

PART OF 234-9185, 314-7316 CYLINDER HEAD GP
OPTIONAL FIELD REPLACEMENT ORDER 263-5055—PAGE 139
ALSO AN ATTACHMENT

SMCS-1100 **i03373121**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2A-4429**	48	LOCK-RETAINER	
	2	1	**6I-0928**	24	WASHER-SPECIAL	
	3	1	**153-7023**	12	VALVE-INLET	
	4	1	**153-7024**	12	VALVE-EXHAUST	
	5	1	**163-2478**	24	SEAL-VALVE STEM	
	6	1	**247-9908**	24	SPRING-VALVE (OUTER)	
CY	7	1	**223-7263**	1	CYLINDER HEAD AS	125
	8	1	**186-2001**	24	ROTOCOIL AS	
	9	1	**211-3122**	24	SPRING-VALVE (INNER)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00955632

234-9185 CYLINDER HEAD GP

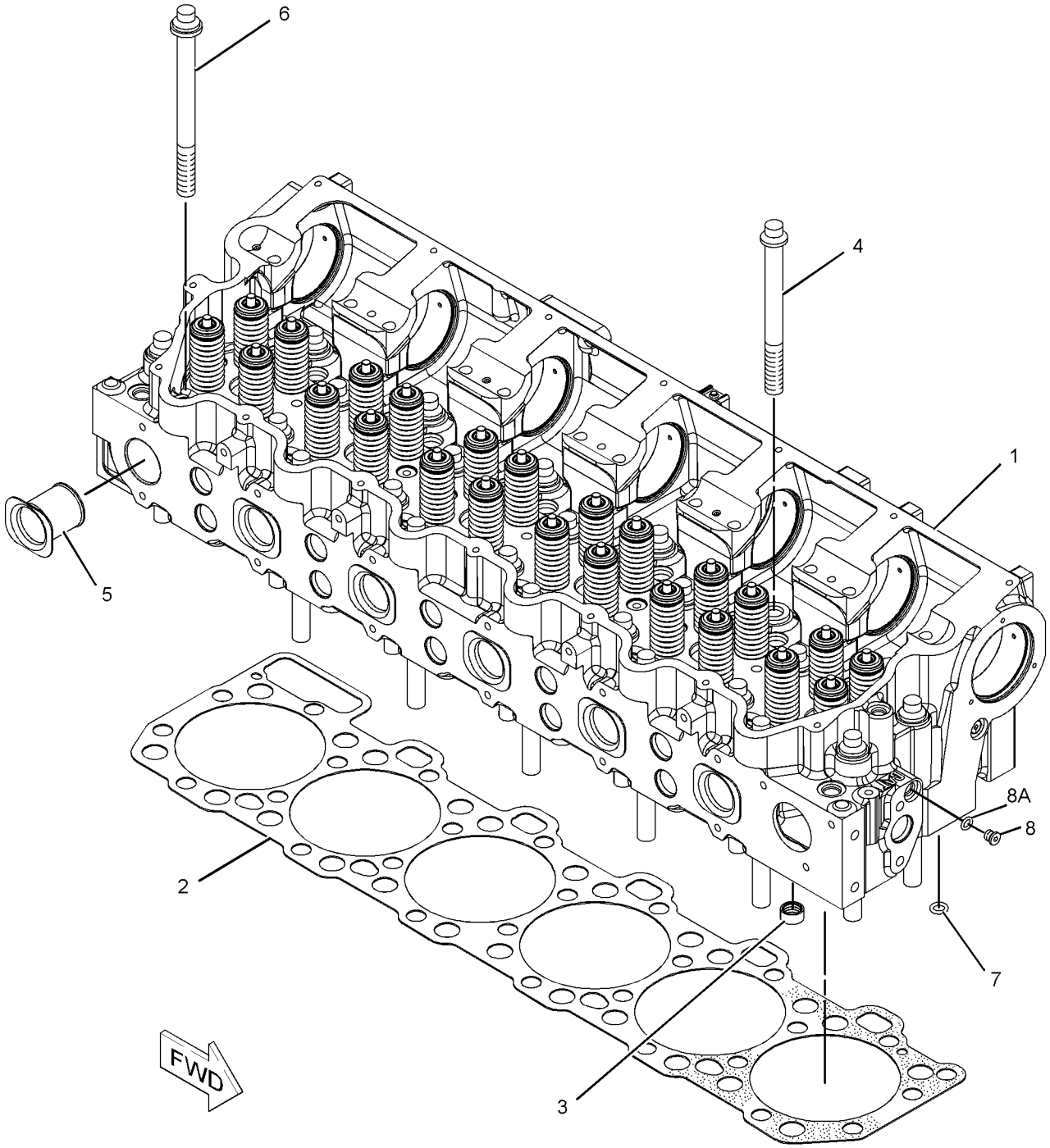
S/N: JRE106-5232
ALSO AN ATTACHMENT

SMCS-1100 **i03235961**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**223-9250**	1	CYLINDER HEAD GP	133
	2	1	**224-5122**	1	GASKET (CYLINDER HEAD)	
	3	1	**3E-6772**	24	SEAL	
	4	1	*6I-4025*	16	FASTENER GP-CYLINDER HEAD	
					(EACH INCLUDES)	
		1	**5H-1504**	1	WASHER-HARD (20X33.5X5-MM THK)	
		1	**124-1855**	1	BOLT-12 POINT HEAD (3/4-16X7.638-IN)	
	5	1	**194-8124**	6	SLEEVE AS (EXHAUST PORT)	
	6	1	*106-5673*	10	FASTENER GP-CYLINDER HEAD	
					(EACH INCLUDES)	
		1	**5H-1504**	1	WASHER-HARD (20X33.5X5-MM THK)	
		1	**124-1854**	1	BOLT-12 POINT HEAD (3/4-16X8.5-IN)	
	7	1	**5P-0840**	1	SEAL-O-RING	
C	8	1	*183-3408*	3	PLUG AS	
					(EACH INCLUDES)	
	8A		**214-7568**	1	SEAL-O-RING	
			9S-8004	1	PLUG	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

234-9185 **CYLINDER HEAD GP** *(contd.)* **i03235961**



GRAPHIC #1 **<END>** g01059337

234-9185 CYLINDER HEAD GP

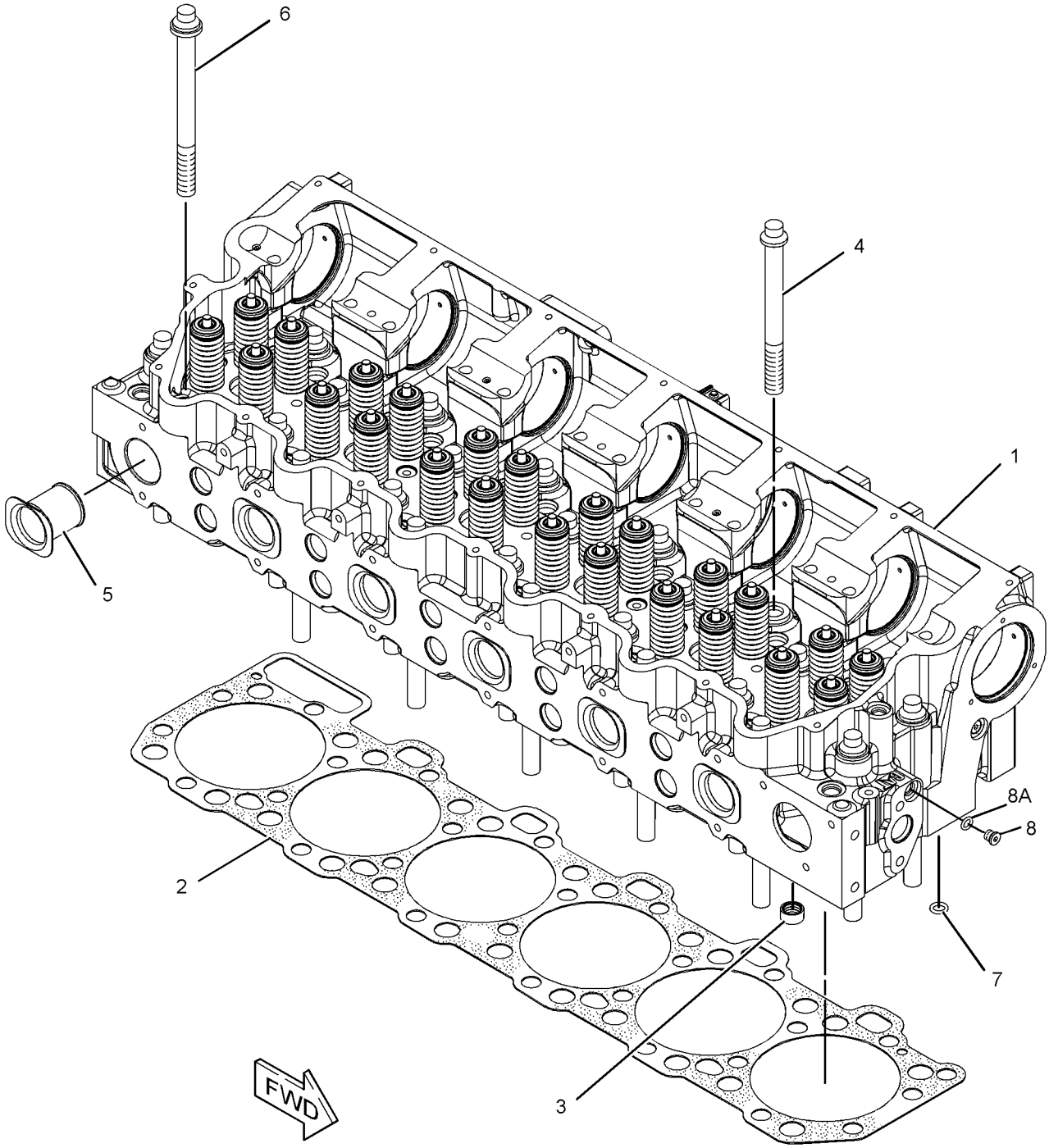
S/N: JRE5233-UP
ALSO AN ATTACHMENT

SMCS-1100 **i03235960**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CYR	1	1	**263-5055**	1	CYLINDER HEAD GP	139
	2	1	**224-5122**	1	GASKET (CYLINDER HEAD)	
	3	1	**3E-6772**	24	SEAL	
	4	1	*6I-4025*	16	FASTENER GP-CYLINDER HEAD	
					(EACH INCLUDES)	
		1	**5H-1504**	1	WASHER-HARD (20X33.5X5-MM THK)	
		1	**124-1855**	1	BOLT-12 POINT HEAD (3/4-16X7.638-IN)	
	5	1	**194-8124**	6	SLEEVE AS (EXHAUST PORT)	
	6	1	*106-5673*	10	FASTENER GP-CYLINDER HEAD	
					(EACH INCLUDES)	
		1	**5H-1504**	1	WASHER-HARD (20X33.5X5-MM THK)	
		1	**124-1854**	1	BOLT-12 POINT HEAD (3/4-16X8.5-IN)	
	7	1	**5P-0840**	1	SEAL-O-RING	
	8	1	*183-3408*	3	PLUG AS	
					(EACH INCLUDES)	
	8A	1	**214-7568**	1	SEAL-O-RING	
		1	**9S-8004**	1	PLUG	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

234-9185 **CYLINDER HEAD GP** *(contd.)* **i03235960**



GRAPHIC #1 **<END>** g01418021

263-5055 CYLINDER HEAD GP*R

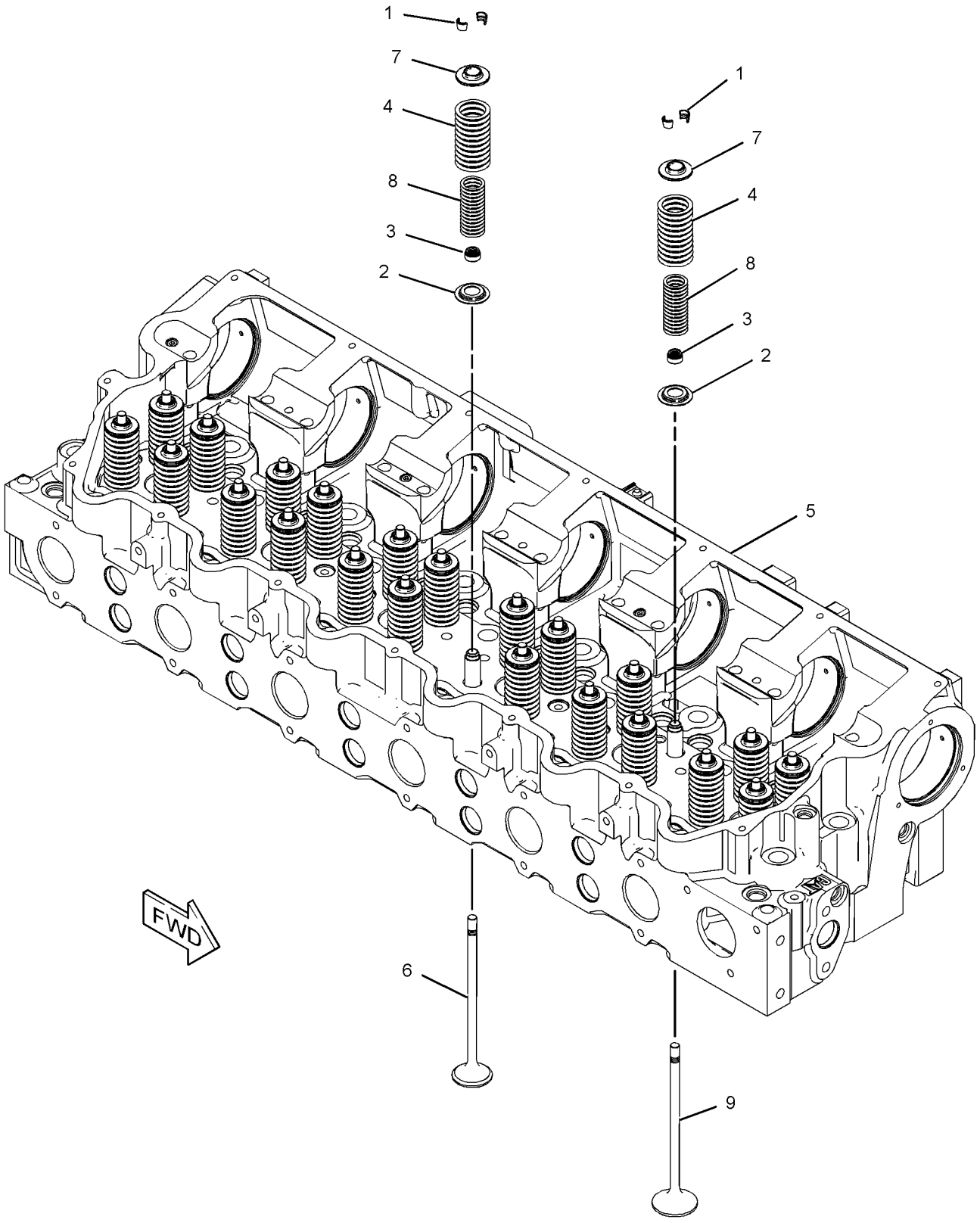
S/N: JRE5233-UP
PART OF 234-9185 CYLINDER HEAD GP
FIELD REPLACEMENT FOR 223-9250—PAGE 133
ALSO AN ATTACHMENT

SMCS-1100 **i02857219**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2A-4429**	48	LOCK-RETAINER	
	2	1	**6I-0928**	24	WASHER-SPECIAL	
	3	1	**163-2478**	24	SEAL-VALVE STEM	
	4	1	**247-9908**	24	SPRING-VALVE (OUTER)	
CY	5	1	**281-1640**	1	CYLINDER HEAD AS	131
	6	1	**153-7024**	12	VALVE-EXHAUST	
C	7	1	**186-2001**	24	ROTOCOIL AS	
	8	1	**211-3122**	24	SPRING-VALVE (INNER)	
	9	1	**236-5605**	12	VALVE-INLET	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

263-5055 **CYLINDER HEAD GP** *(contd.)* **i02857219**



GRAPHIC #1 **<END>** g01207023

BASIC ENGINE

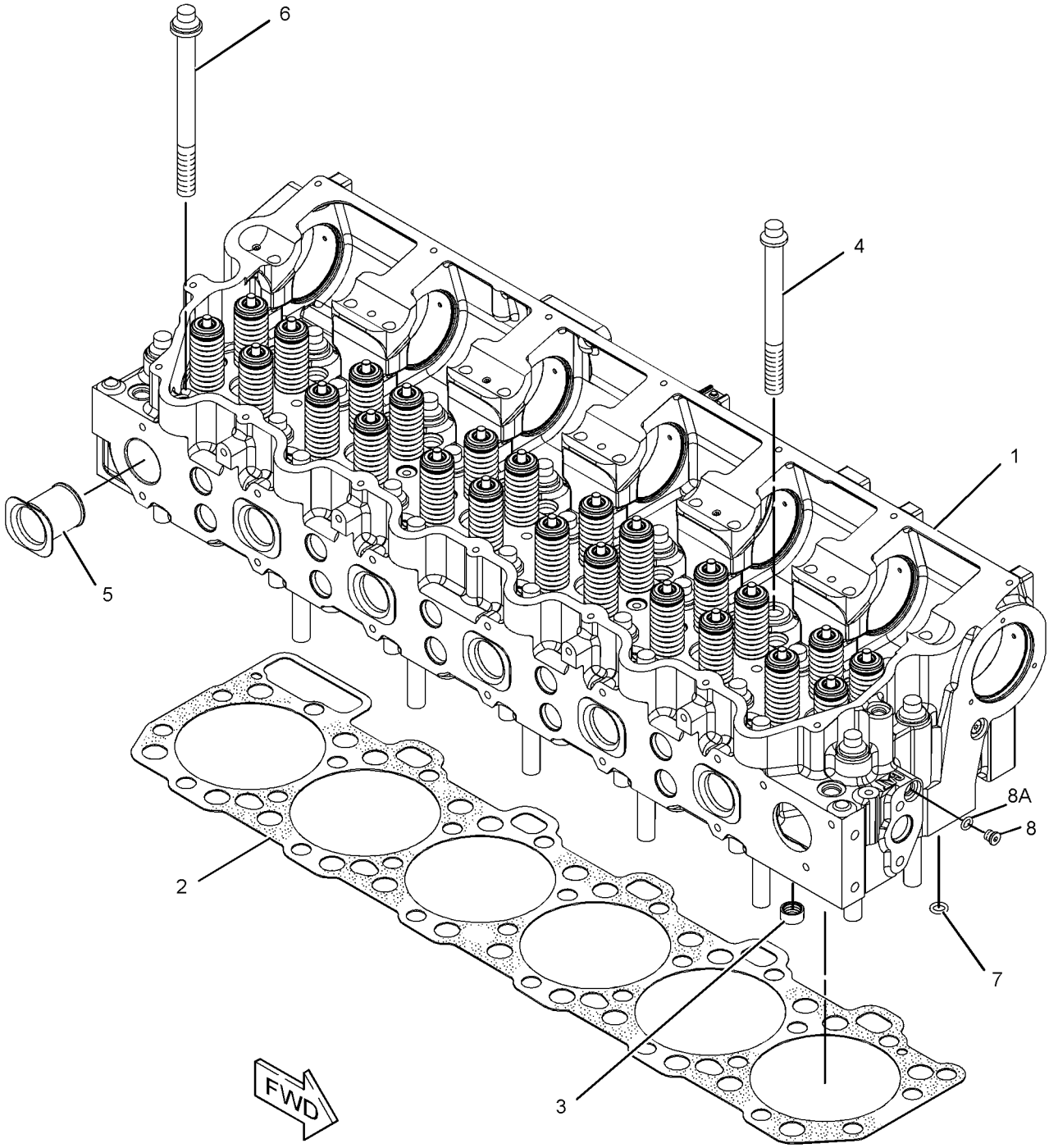
314-7316 CYLINDER HEAD GP

SMCS-1100 **i03236040**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**223-9250**	1	CYLINDER HEAD GP	133
	2	1	**224-5122**	1	GASKET (CYLINDER HEAD)	
	3	1	**3E-6772**	24	SEAL	
	4	1	*6I-4025*	16	FASTENER GP-CYLINDER HEAD	
					(EACH INCLUDES)	
		1	**5H-1504**	1	WASHER-HARD (20X33.5X5-MM THK)	
		1	**124-1855**	1	BOLT-12 POINT HEAD (3/4-16X7.638-IN)	
	5	1	**194-8124**	6	SLEEVE AS (EXHAUST PORT)	
	6	1	*106-5673*	10	FASTENER GP-CYLINDER HEAD	
					(EACH INCLUDES)	
		1	**5H-1504**	1	WASHER-HARD (20X33.5X5-MM THK)	
		1	**124-1854**	1	BOLT-12 POINT HEAD (3/4-16X8.5-IN)	
	7	1	**5P-0840**	1	SEAL-O-RING	
	8	1	*183-3408*	3	PLUG AS	
					(EACH INCLUDES)	
	8A	1	**214-7568**	1	SEAL-O-RING	
		1	**9S-8004**	1	PLUG	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

314-7316 **CYLINDER HEAD GP** *(contd.)* **i03236040**



GRAPHIC #1 **<END>** g01418021

4P-5532 DAMPER & PULLEY GP

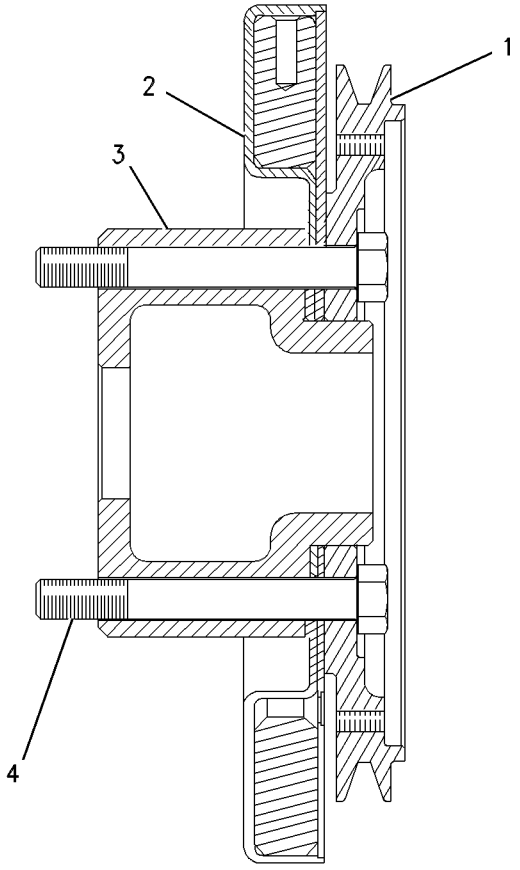
VISCOUS, 1 GROOVE PULLEY

AN ATTACHMENT

SMCS-1205 **i01204338**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-1047**	1	PULLEY	
R	2	1	**167-8126**	1	DAMPER AS	
	3	1	**177-9024**	1	ADAPTER-DAMPER	
	4	1	**6F-7024**	6	BOLT (5/8-18X5-IN)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00644073

4P-5894 DAMPER & PULLEY GP

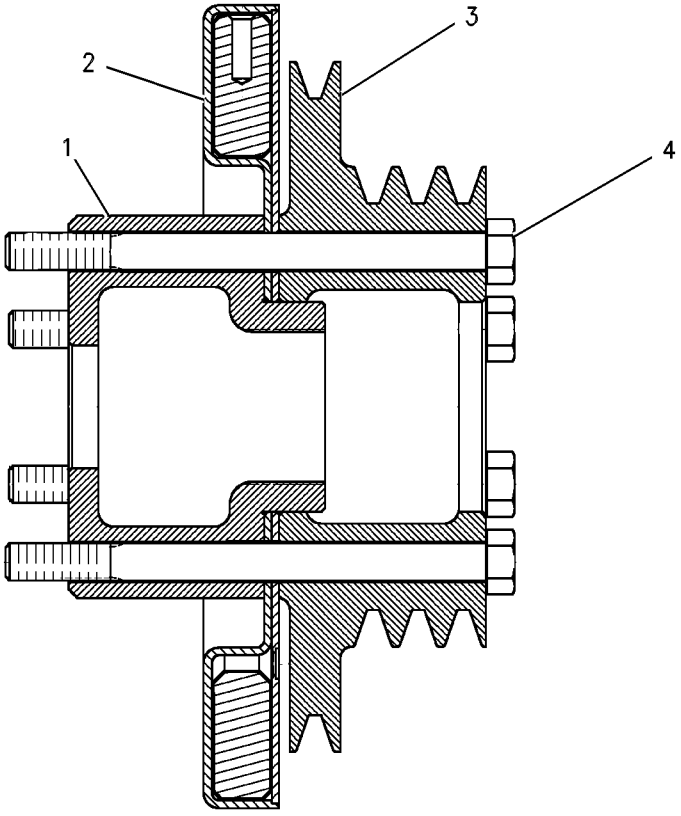
4-GROOVE PULLEY

AN ATTACHMENT

SMCS-1205 **i02459416**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**177-9024**	1	ADAPTER-DAMPER	
R	2	1	**167-8126**	1	DAMPER AS	
	3	1	**6N-7378**	1	PULLEY-CRANKSHAFT (4-GROOVE)	
	4	1	**8S-4753**	6	BOLT (5/8-18X8-IN)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00648600

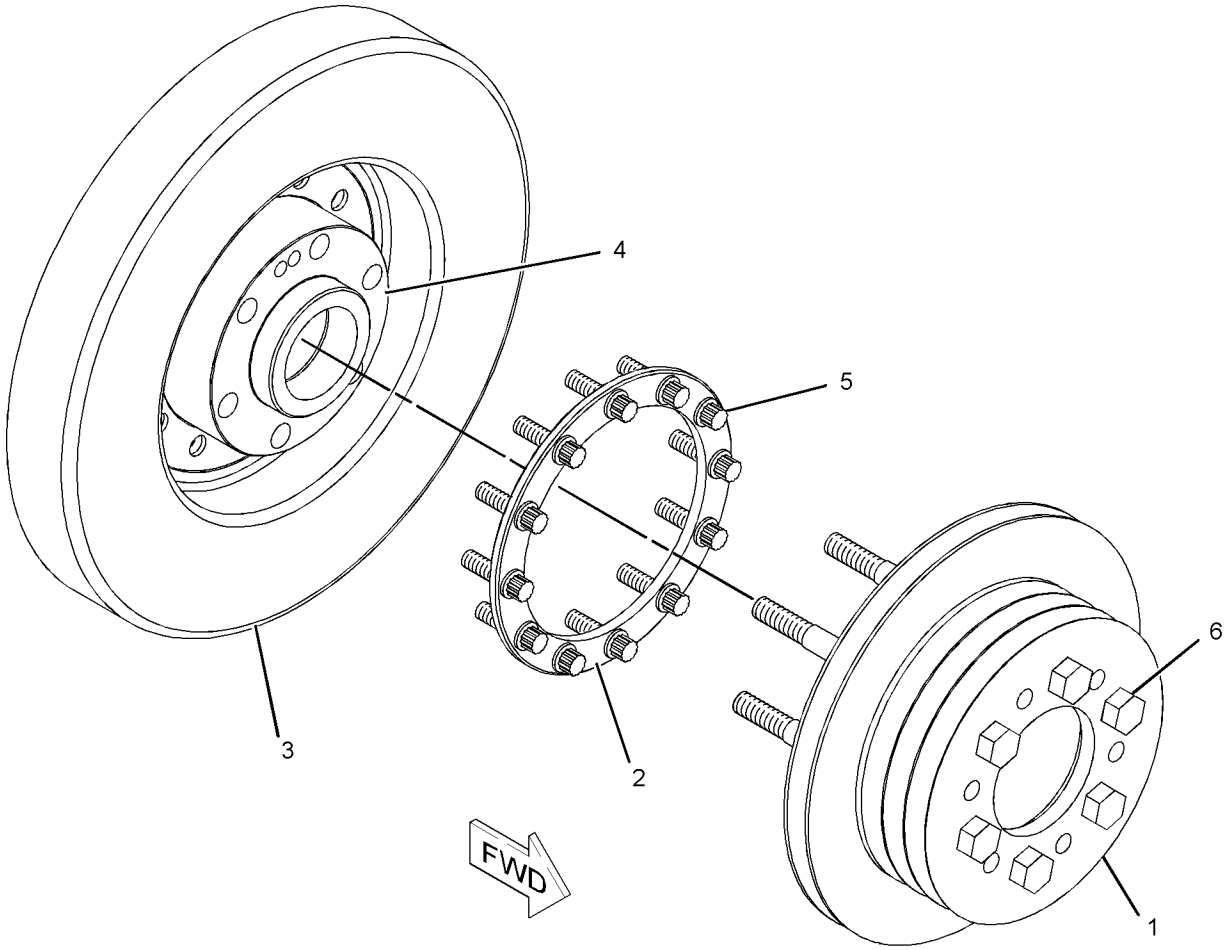
237-4286 DAMPER & PULLEY GP

AN ATTACHMENT

SMCS-1205 **i02116750**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-7378**	1	PULLEY-CRANKSHAFT (4-GROOVE)	
	2	1	**6N-7654**	1	SPACER (6.312X8.18X0.312-IN THK)	
R	3	1	**167-8130**	1	DAMPER AS	
	4	1	**237-4288**	1	ADAPTER	
	5	1	**4K-5175**	12	BOLT-12 POINT HEAD (1/2-13X1.5-IN)	
	6	1	**8S-4753**	6	BOLT (5/8-18X8-IN)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01078444

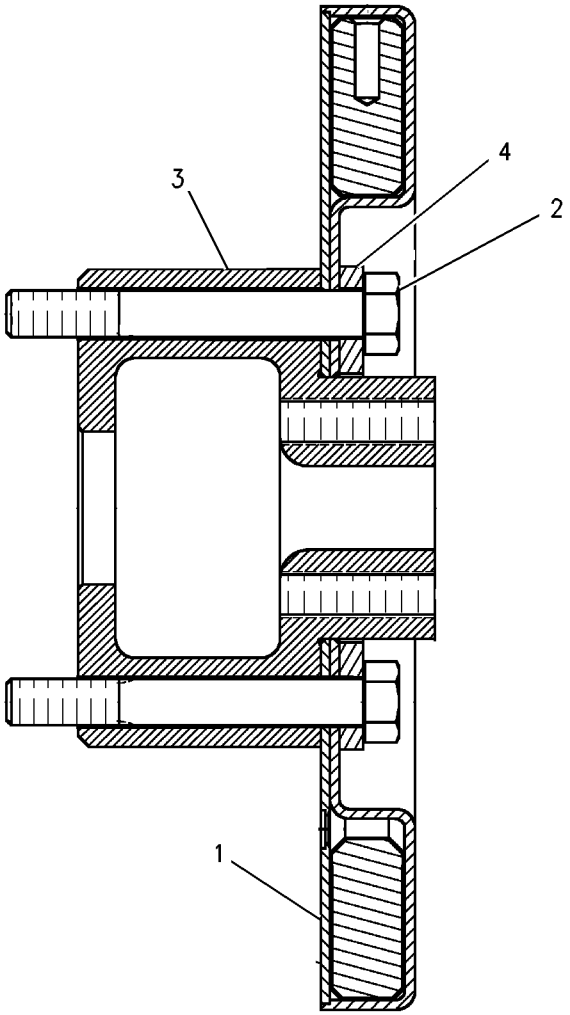
4P-5893 DAMPER GP

CANNOT BE USED WITH 4P-5894—PAGE 144
AN ATTACHMENT

SMCS-1205 **i02899131**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**167-8126**	1	DAMPER AS	
	2	1	**1A-3203**	6	BOLT (5/8-18X4.75-IN)	
	3	1	**4N-2109**	1	ADAPTER-DAMPER	
	4	1	**168-2100**	1	SPACER (131.57X163.6X8-MM THK)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00643655

111-8317 DAMPER GP

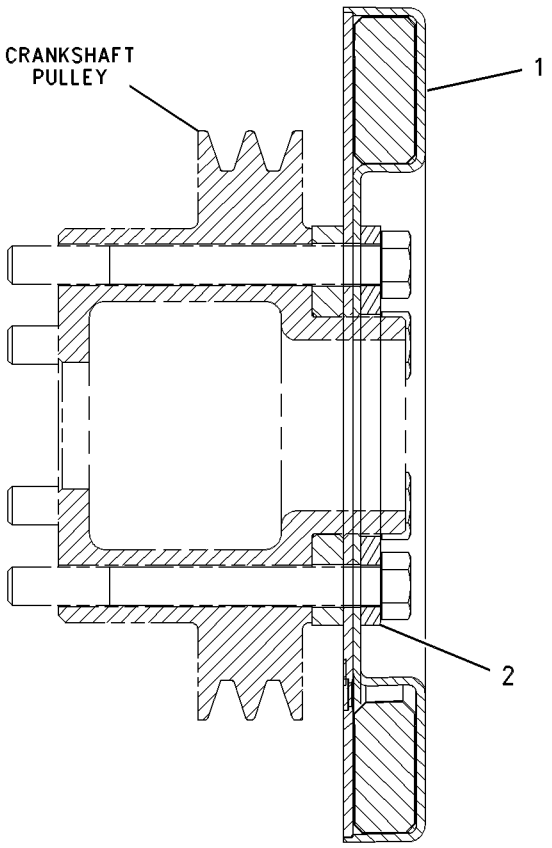
2-GROOVE. VISCOUS

FOR USE WITH ENGINES RATED 435 BHP AND ABOVE AND ENGINES EQUIPPED WITH AUTO TRANSMISSION OR FRONT PTO, AUTOMATIC TRANSMISSIONS OR FRONT PTO AN ATTACHMENT

SMCS-1205 **i02543988**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**167-8126**	1	DAMPER AS	
	2	1	**168-2100**	1	SPACER (131.57X163.6X8-MM THK)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g00640434

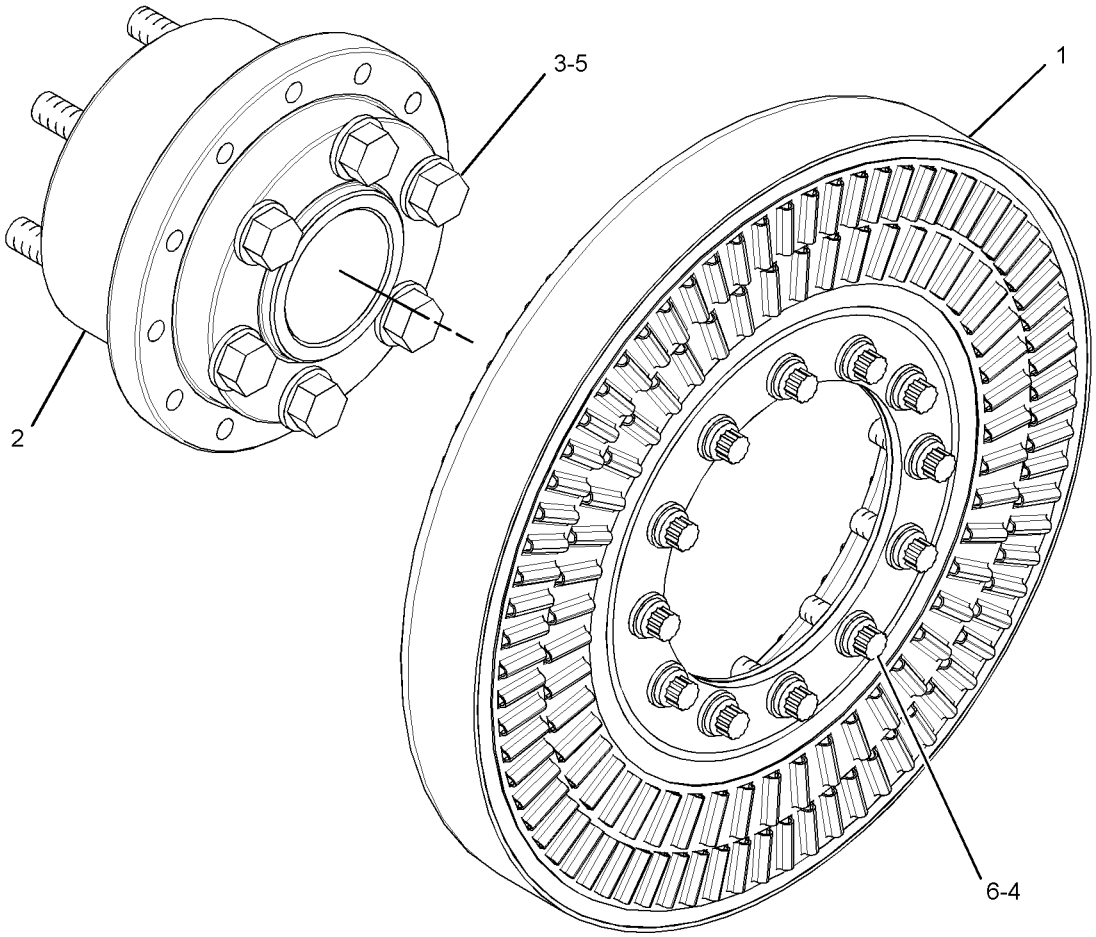
BASIC ENGINE

329-0361 DAMPER GP

AN ATTACHMENT

SMCS-1205 **i03025461**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**213-3199**	1	DAMPER AS	
	2	1	**232-6560**	1	ADAPTER	
	3	1	**1B-7538**	6	BOLT (5/8-18X5.75-IN)	
	4	1	**3H-7654**	12	WASHER-HARD (13.5X22.5X3.0-MM THK)	
	5	1	**5P-8247**	6	WASHER-HARD (17X32X3.5-MM THK)	
	6	1	**8M-2530**	12	BOLT-12 POINT HEAD (1/2-13X1.25-IN)	



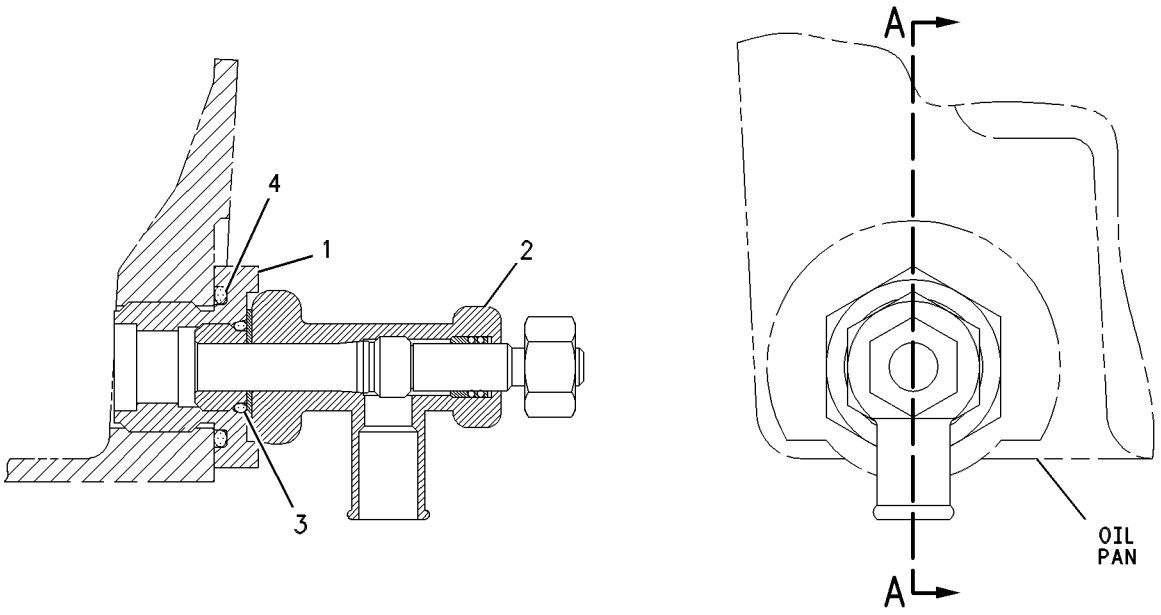
GRAPHIC #1 **<END>** g01530673

163-1383 DRAIN GP-ENGINE OIL

ENVIRONMENTAL DRAIN
FOR USE WITH OIL PAN
AN ATTACHMENT

SMCS-1302 **i03211782**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3E-7427**	1	ADAPTER	
	2	1	**7E-4761**	1	VALVE-DRAIN (ENGINE OIL)	
	3	1	**8L-2786**	1	SEAL-O-RING	
	4	1	**061-9458**	1	SEAL-O-RING	



SECTION A-A

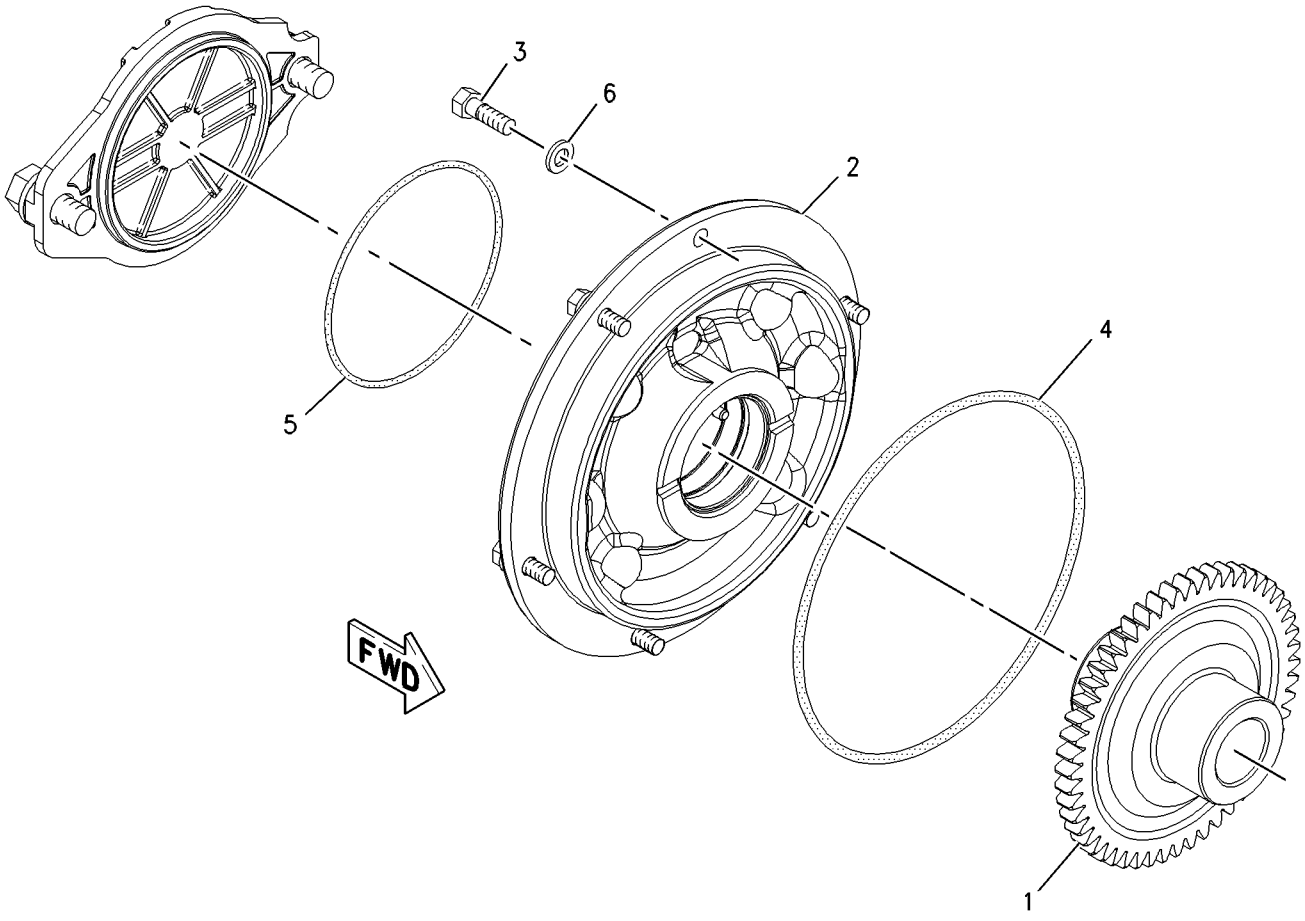
GRAPHIC #1 **<END>** g00663286

219-0634 DRIVE GP-ACCESSORY

1.3 DRIVE RATIO, C-DRIVER
FOR USE WITH 219-0626—PAGE 175
AN ATTACHMENT

SMCS-1207 **i02003678**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**219-0635**	1	GEAR AS (52-TEETH)	
		1	**4F-6024**	1	PIN	
	2	1	**222-5768**	1	ADAPTER	
		1	**160-8184**	1	BEARING-SLEEVE	
	3	1	**1A-2029**	6	BOLT (3/8-16X1.125-IN)	
	4	1	**4N-1230**	1	SEAL-O-RING	
	5	1	**5F-3106**	1	SEAL-O-RING	
	6	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	



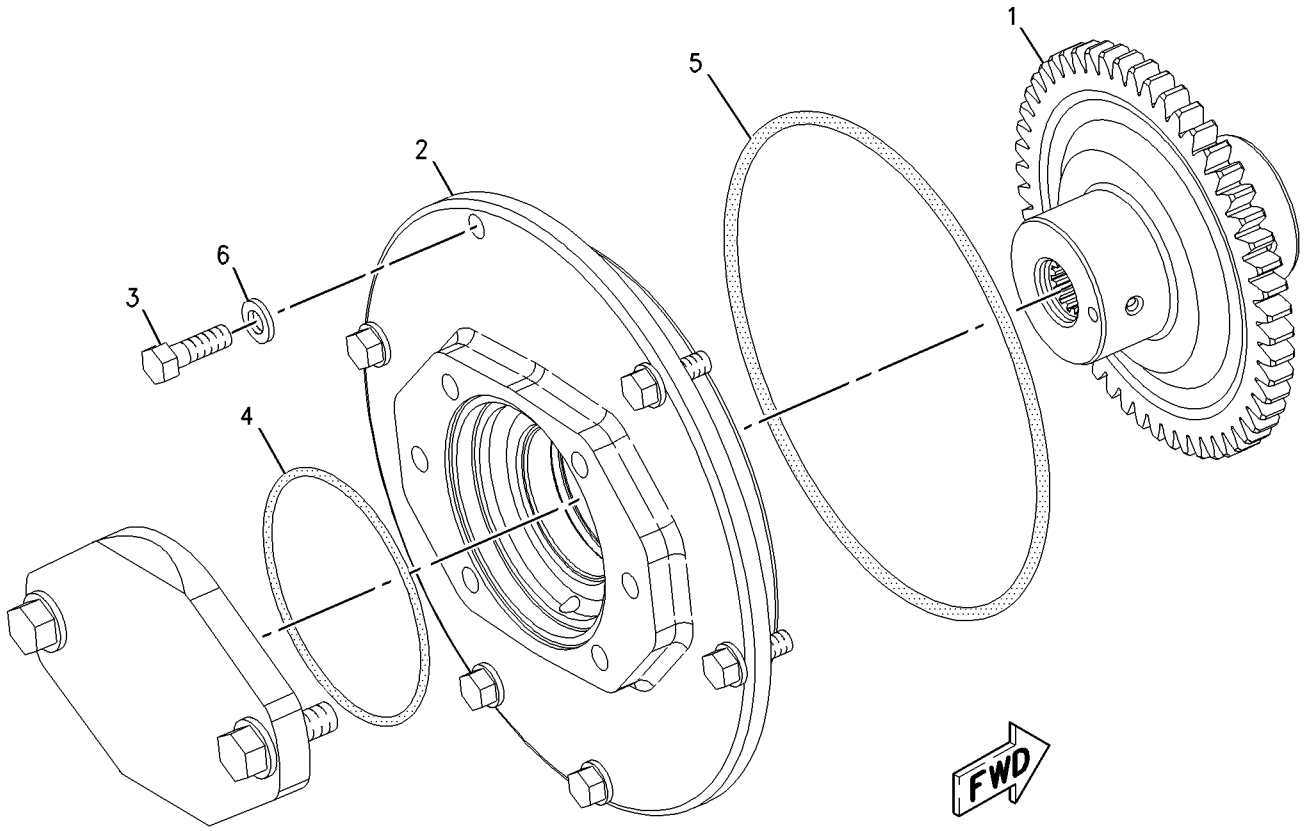
GRAPHIC #1 **<END>** g00985493

219-0637 DRIVE GP-ACCESSORY

1.3 DRIVE RATIO, B-DRIVER
FOR USE WITH 219-0626—PAGE 175
AN ATTACHMENT

SMCS-1207 **i02003688**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**219-0638**	1	GEAR AS (52-TEETH)	
		1	**4F-6024**	1	PIN	
	2	1	**219-0640**	1	ADAPTER AS	
		1	**160-8184**	1	BEARING-SLEEVE	
	3	1	**1A-2029**	6	BOLT (3/8-16X1.125-IN)	
	4	1	**4M-0189**	1	SEAL-O-RING	
	5	1	**4N-1230**	1	SEAL-O-RING	
	6	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	



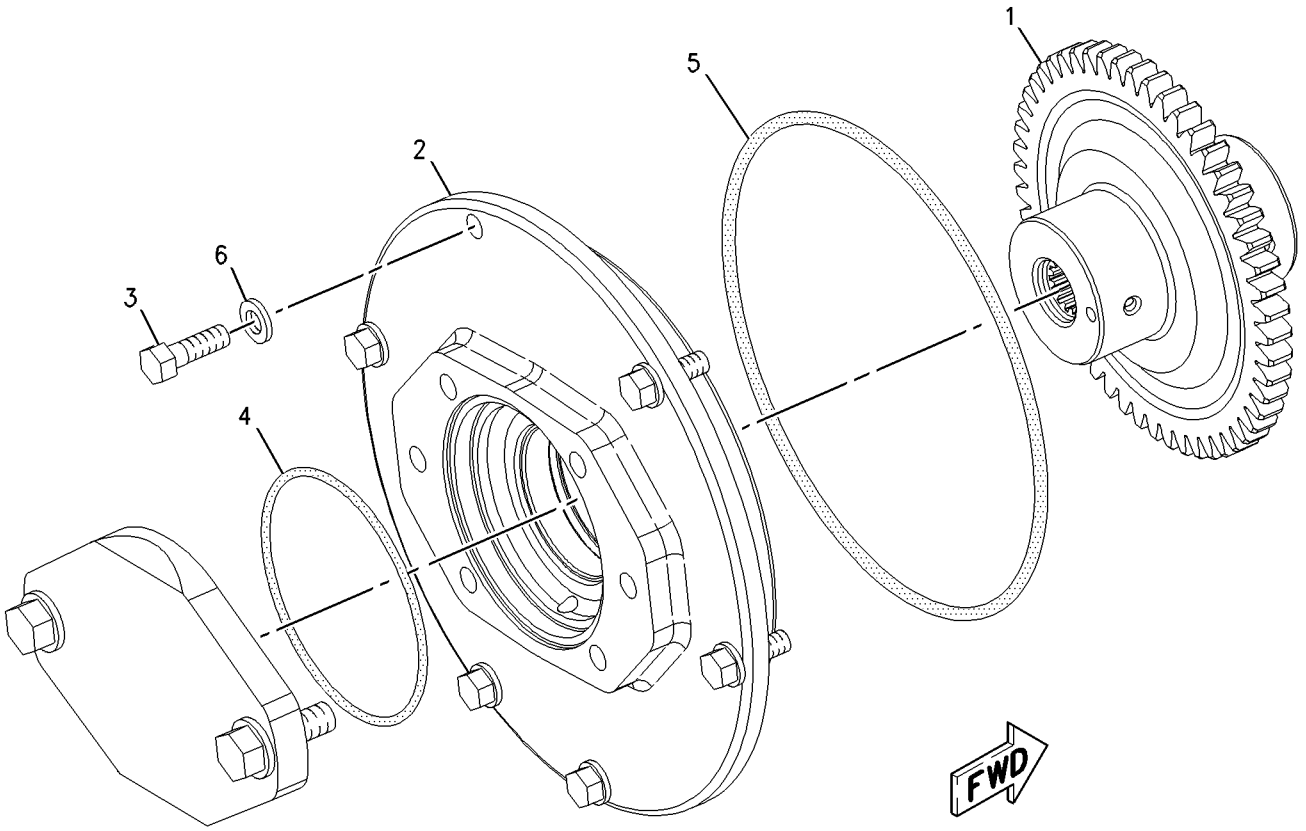
GRAPHIC #1 **<END>** g00985476

239-4309 DRIVE GP-ACCESSORY

1.3:1 DRIVE RATIO B-DRIVER, RIGHT HAND
FOR USE WITH 219-0626—PAGE 175
AN ATTACHMENT

SMCS-1207 **i01932388**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**219-0638**	1	GEAR AS (52 TEETH)	
		1	**4F-6024**	1	PIN	
	2	1	**219-0640**	1	ADAPTER AS	
		1	**160-8184**	1	BEARING-SLEEVE	
	3	1	**1A-2029**	6	BOLT (3/8-16X1.125 IN)	
	4	1	**4M-0189**	1	SEAL-O-RING	
	5	1	**4N-1230**	1	SEAL-O-RING	
	6	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5MM THK)	



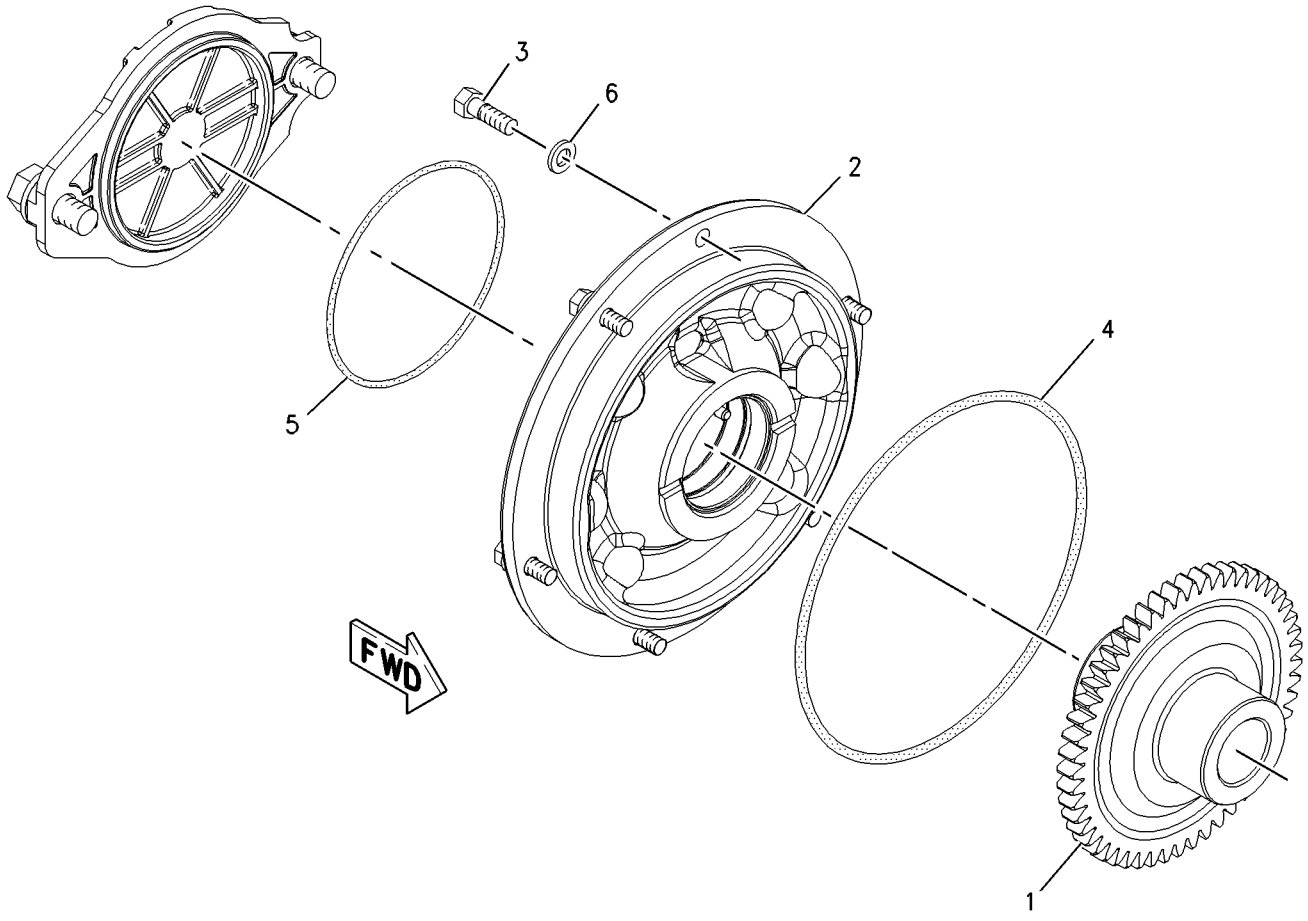
GRAPHIC #1 **<END>** g00985476

239-4310 DRIVE GP-ACCESSORY

1.3:1 DRIVE RATIO C-DRIVER, RIGHT HAND
FOR USE WITH 219-0626—PAGE 175
AN ATTACHMENT

SMCS-1207 **i01932661**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**219-0635**	1	GEAR AS (52 TEETH)	
		1	**4F-6024**	1	PIN	
	2	1	**222-5768**	1	ADAPTER	
		1	**160-8184**	1	BEARING-SLEEVE	
	3	1	**1A-2029**	6	BOLT (3/8-16X1.125 IN)	
	4	1	**4N-1230**	1	SEAL-O-RING	
	5	1	**5F-3106**	1	SEAL-O-RING	
	6	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5MM THK)	



GRAPHIC #1 **<END>** g00985493

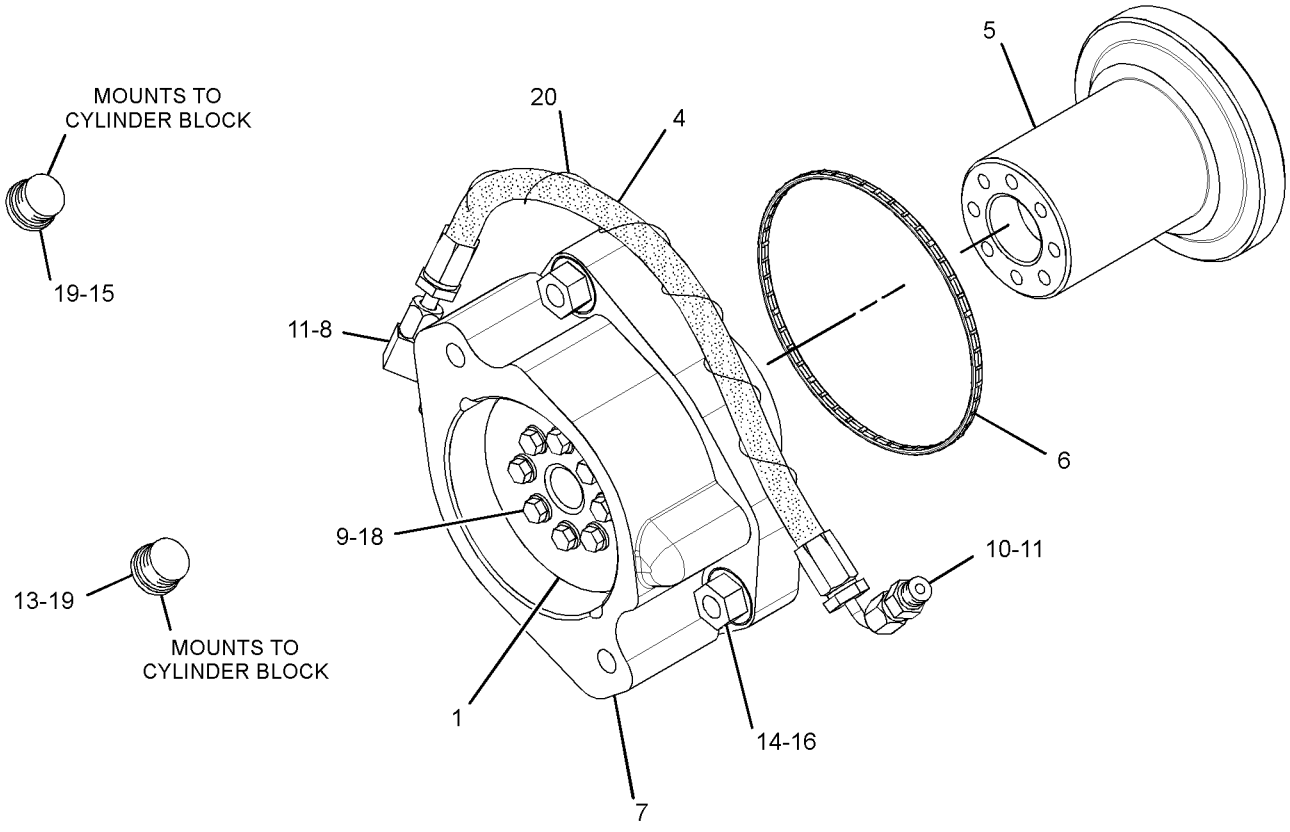
262-2765 DRIVE GP-ACCESSORY

CANNOT BE USED WITH 229-5519—PAGE 82, AIR COMPRESSOR GROUP
AN ATTACHMENT

SMCS-1207 **i03627286**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1N-3974**	1	COUPLING	
I	4	1	**101-6596**	1	HOSE AS	
	5	1	**143-9732**	1	GEAR (40-TEETH)	
	6	1	**223-3505**	1	SEAL	
	7	1	**257-5812**	1	BEARING	
	8	1	**030-7946**	1	ELBOW	
	9	1	**2B-2695**	8	BOLT (5/16-18X0.875-IN)	
	10	1	**3J-7352**	1	CONNECTOR	
	11	1	**3J-7354**	2	SEAL-O-RING	
	13	1	**6V-6609**	1	SEAL-O-RING	
	14	1	**6V-8188**	3	NUT (1/2-13-THD)	
	15	1	**8L-2786**	1	SEAL-O-RING	
	16	1	**8T-4223**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	18	1	**9M-1974**	8	WASHER-HARD (8.8X16X2-MM THK)	
	19	1	**9S-8005**	2	PLUG-O-RING	
E	20	1	**8C-5063**		CONDUIT-FLEXIBLE (26-CM)	

E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM



GRAPHIC #1 **<END>** g01649213

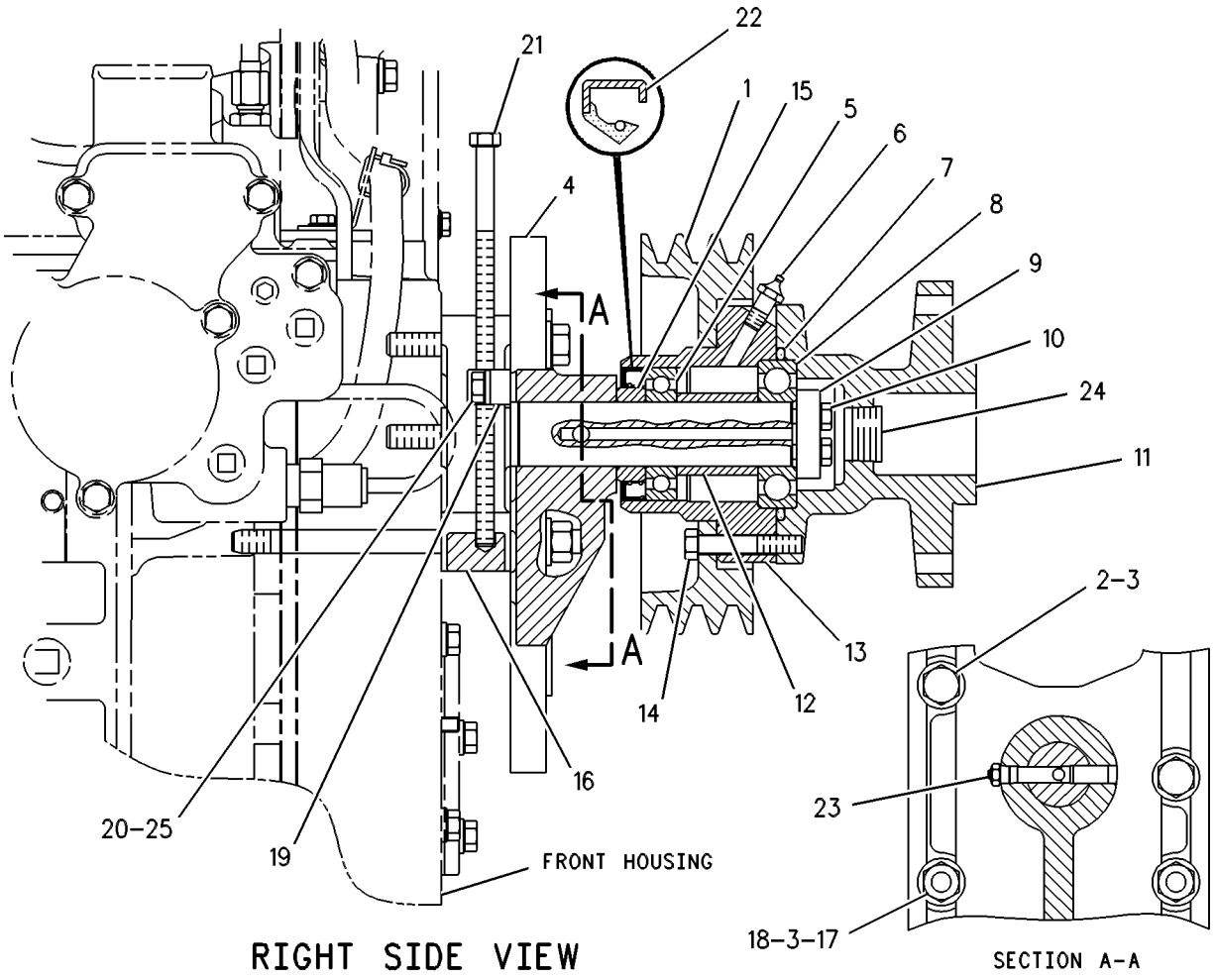
120-4230 DRIVE GP-FAN

PULLEY DIAMETER 215.9MM (8.5 INCH)
FOR USE WITH CUSTOMER SUPPLIED RADIATORS
AN ATTACHMENT

SMCS-1359 **i03337218**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-6289**	1	PULLEY-FAN DRIVE (3-GROOVE)	
	2	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	
	3	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
		1	**4N-0684**	1	DOWEL	
		1	**1P-9946**	1	SHAFT-FAN	
	5	1	**8H-9789**	1	BEARING AS-BALL	
	6	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	7	1	**9F-4446**	1	SEAL-O-RING	
	8	1	**3L-1425**	1	BALL BEARING	
	9	1	**7N-2900**	1	RETAINER	
	10	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	11	1	**6N-6598**	1	ADAPTER-FAN	
	12	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	13	1	**7N-8827**	1	HUB	
	14	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	15	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	16	1	**120-4879**	1	ADAPTER	
	17	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	18	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	19	1	**9N-5120**	1	BRACKET	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	22	1	**5S-2106**	1	SEAL-LIP TYPE	
	23	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF)	
	24	1	**7X-7731**	1	PLUG-PIPE	
	25	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	

120-4230 **DRIVE GP-FAN** *(contd.)* **i03337218**



GRAPHIC #1 **<END>** g00252238

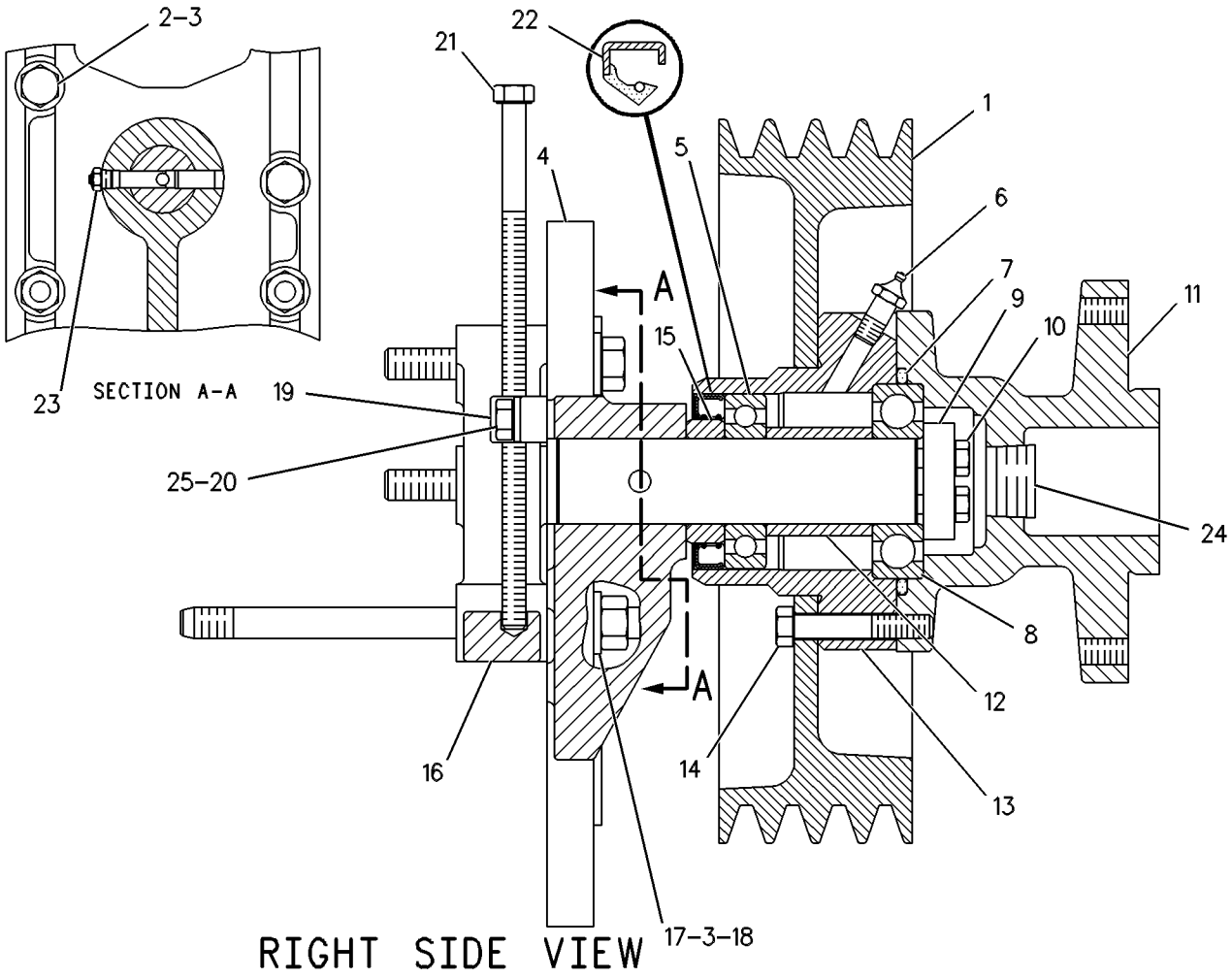
BASIC ENGINE

120-4231 DRIVE GP-FAN

PULLEY DIAMETER 298.45MM (11.75 INCH)
FOR USE WITH CUSTOMER SUPPLIED RADIATORS
AN ATTACHMENT

SMCS-1359 **i03206226**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-0597**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	2	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	
	3	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
		1	**4N-0684**	1	DOWEL	
		1	**1P-9946**	1	SHAFT-FAN	
	5	1	**8H-9789**	1	BEARING AS-BALL	
	6	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	7	1	**9F-4446**	1	SEAL-O-RING	
	8	1	**3L-1425**	1	BALL BEARING	
	9	1	**7N-2900**	1	RETAINER	
	10	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	11	1	**6N-6598**	1	ADAPTER-FAN	
	12	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	13	1	**7N-8827**	1	HUB	
	14	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	15	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	16	1	**120-4879**	1	ADAPTER	
	17	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	18	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	19	1	**9N-5120**	1	BRACKET	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	22	1	**5S-2106**	1	SEAL-LIP TYPE	
	23	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF) (1/8-27 PTF)	
	24	1	**7X-7731**	1	PLUG-PIPE	
	25	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



RIGHT SIDE VIEW

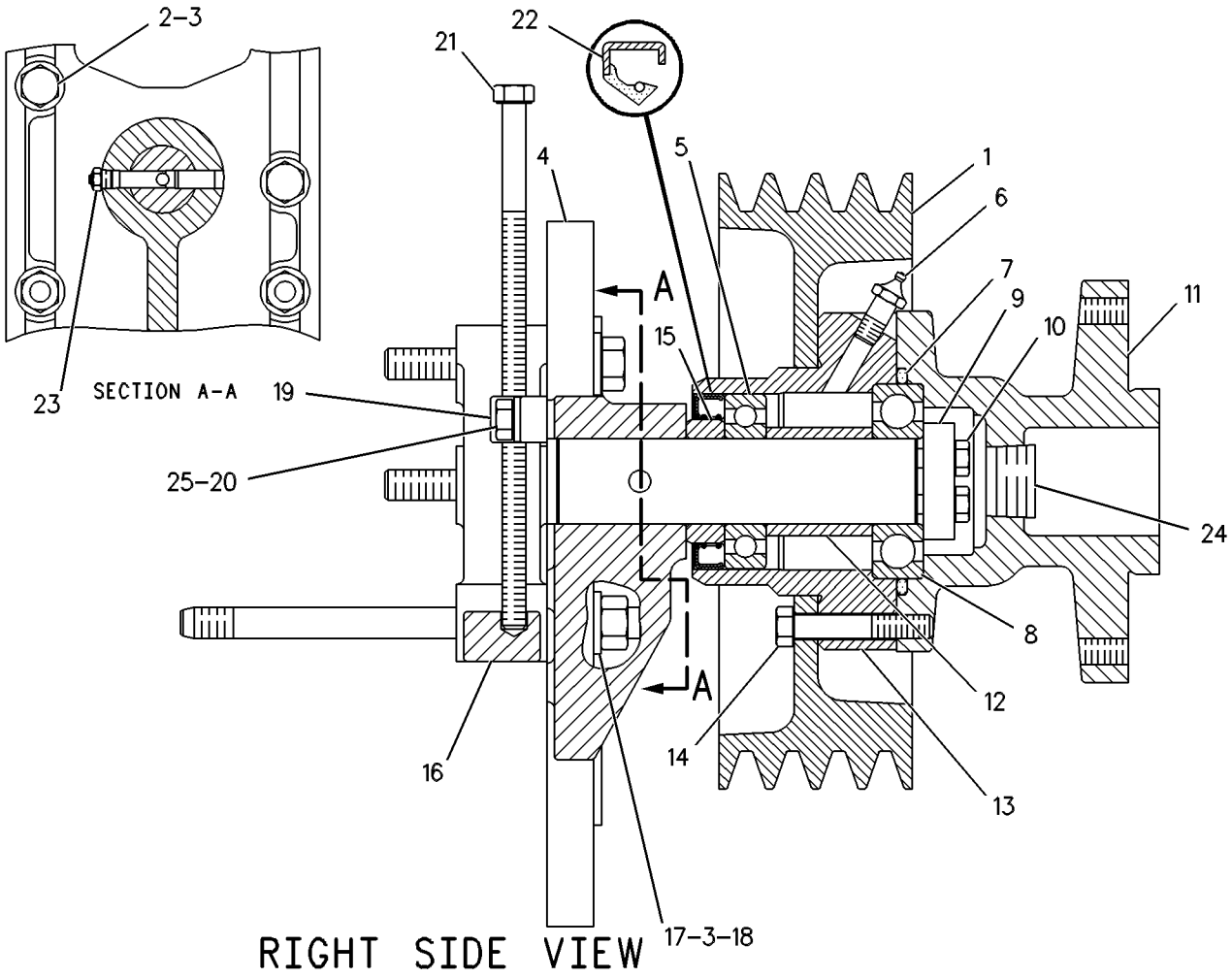
GRAPHIC #1 **<END>** g00252239

120-4232 DRIVE GP-FAN

PULLEY DIAMETER 254MM (10 INCH)
AN ATTACHMENT

SMCS-1359 **i03686323**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-8828**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	2	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	
	3	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
		1	**4N-0684**	1	DOWEL	
		1	**1P-9946**	1	SHAFT-FAN	
	5	1	**8H-9789**	1	BEARING AS-BALL	
	6	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	7	1	**9F-4446**	1	SEAL-O-RING	
	8	1	**3L-1425**	1	BALL BEARING	
	9	1	**7N-2900**	1	RETAINER	
	10	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	11	1	**6N-6598**	1	ADAPTER-FAN	
	12	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	13	1	**7N-8827**	1	HUB	
	14	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	15	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	16	1	**120-4879**	1	ADAPTER	
	17	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	18	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	19	1	**9N-5120**	1	BRACKET	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	22	1	**5S-2106**	1	SEAL-LIP TYPE	
	23	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF)	
	24	1	**7X-7731**	1	PLUG-PIPE	
	25	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00252372

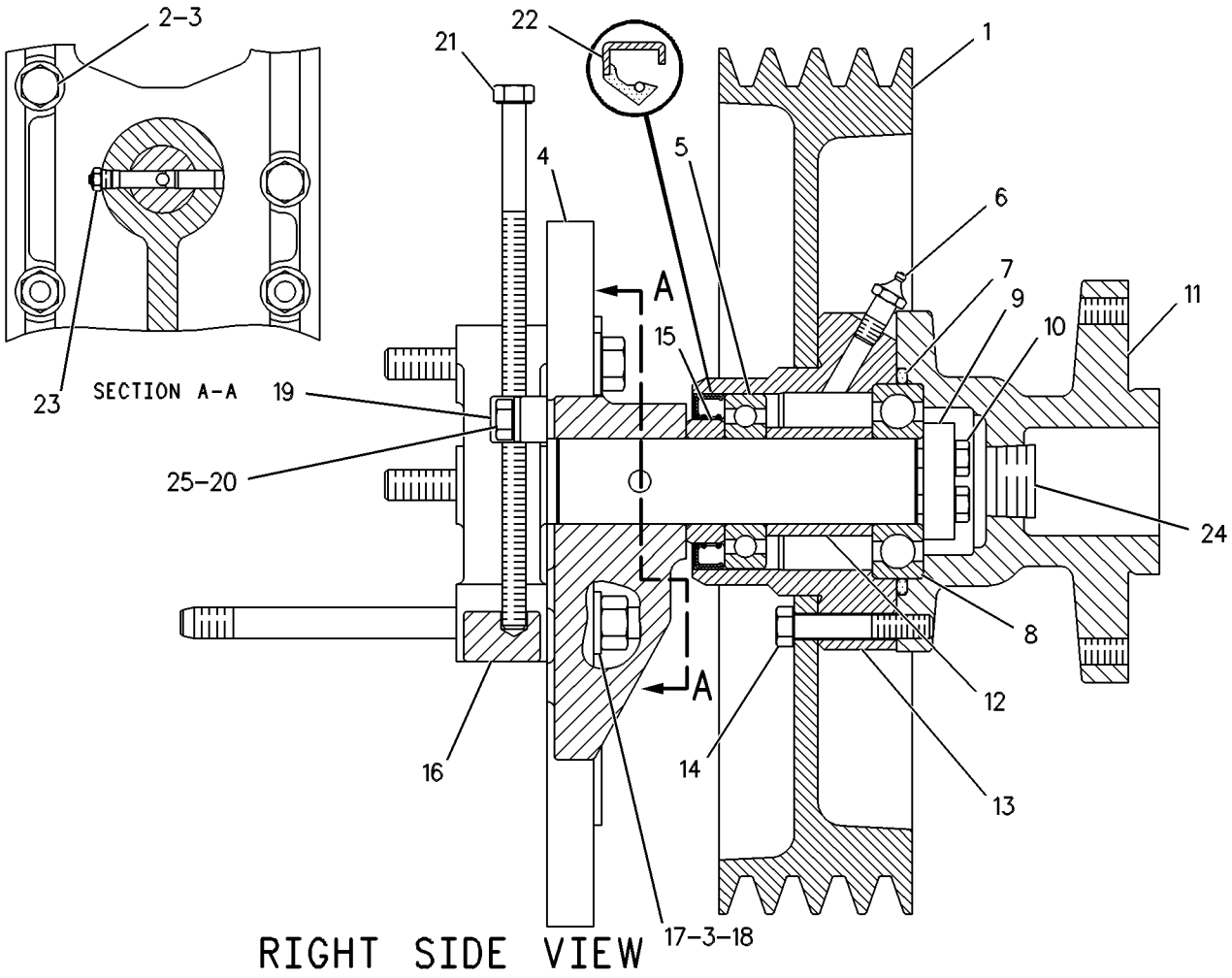
120-4233 DRIVE GP-FAN

PULLEY DIAMETER 355.6MM (14 INCH)
FOR USE WITH CUSTOMER SUPPLIED RADIATORS
AN ATTACHMENT

SMCS-1359 **i03688460**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-0598**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	2	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	
	3	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
		1	**4N-0684**	1	DOWEL	
		1	**1P-9946**	1	SHAFT-FAN	
	5	1	**8H-9789**	1	BEARING AS-BALL	
	6	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	7	1	**9F-4446**	1	SEAL-O-RING	
	8	1	**3L-1425**	1	BALL BEARING	
	9	1	**7N-2900**	1	RETAINER	
	10	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	11	1	**6N-6598**	1	ADAPTER-FAN	
	12	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	13	1	**7N-8827**	1	HUB	
	14	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	15	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	16	1	**120-4879**	1	ADAPTER	
	17	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	18	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	19	1	**9N-5120**	1	BRACKET	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	22	1	**5S-2106**	1	SEAL-LIP TYPE	
	23	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF)	
	24	1	**7X-7731**	1	PLUG-PIPE	
	25	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	

120-4233 **DRIVE GP-FAN** *(contd.)* **i03688460**



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00252235

BASIC ENGINE

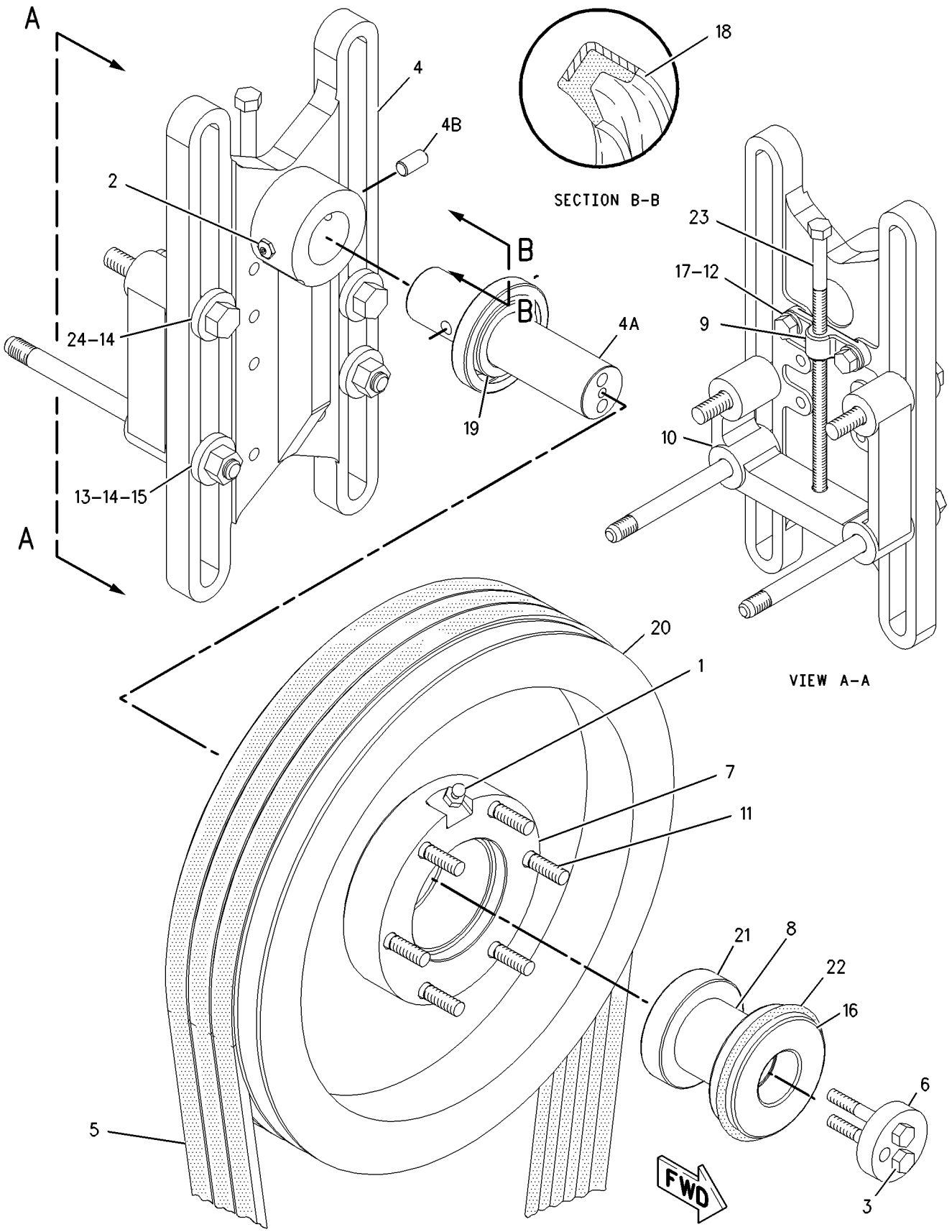
228-8533 DRIVE GP-FAN

0.570:1 DRIVE RATIO, 1800-2100 RPM
FOR USE WITH FAN ADAPTER
AN ATTACHMENT

SMCS-1359 **i03208521**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	2	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF) (FAN DRIVE)	
	3	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
	4A	1	**1P-9946**	1	SHAFT-FAN	
	4B	1	**4N-0684**	1	DOWEL	
	5	1	**6N-7053**	1	V-BELT SET (INCLUDES 3-BELTS) (FAN DRIVE)	
	6	1	**7N-2900**	1	RETAINER	
	7	1	**7N-8827**	1	HUB	
	8	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	9	1	**9N-5120**	1	BRACKET	
	10	1	**120-4879**	1	ADAPTER	
	11	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	12	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	13	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	14	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	15	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	16	1	**3L-1425**	1	BALL BEARING	
	17	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	18	1	**5S-2106**	1	SEAL-LIP TYPE	
	19	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	20	1	**6N-0598**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	21	1	**8H-9789**	1	BEARING AS-BALL	
	22	1	**9F-4446**	1	SEAL-O-RING	
	23	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	24	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	

228-8533 **DRIVE GP-FAN** *(contd.)* **i03208521**



GRAPHIC #1 **<END>** g00986281

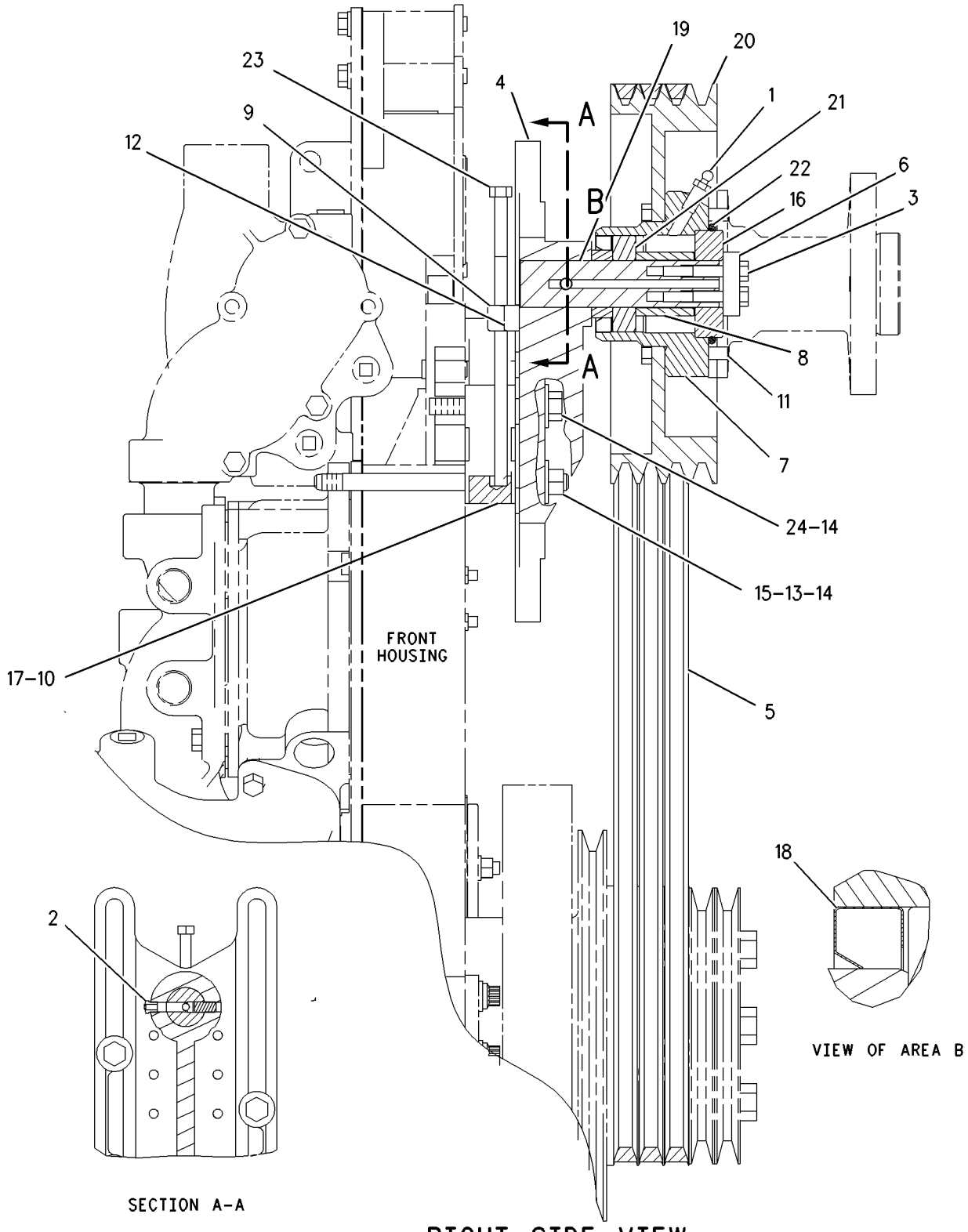
BASIC ENGINE

228-8534 DRIVE GP-FAN

0.681:1 DRIVE RATIO, 1800-2100 RPM
FOR USE WITH FAN ADAPTER
AN ATTACHMENT

SMCS-1359 **i03206231**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	2	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF) (FAN DRIVE)	
	3	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
		1	**1P-9946**	1	SHAFT-FAN	
		1	**4N-0684**	1	DOWEL	
	5	1	**6N-6651**	1	V-BELT SET (INCLUDES 3-BELTS) (FAN DRIVE)	
	6	1	**7N-2900**	1	RETAINER	
	7	1	**7N-8827**	1	HUB	
	8	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	9	1	**9N-5120**	1	BRACKET	
	10	1	**120-4879**	1	ADAPTER	
	11	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	12	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	13	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	14	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	15	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	16	1	**3L-1425**	1	BALL BEARING	
	17	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	18	1	**5S-2106**	1	SEAL-LIP TYPE	
	19	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	20	1	**6N-0597**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	21	1	**8H-9789**	1	BEARING AS-BALL	
	22	1	**9F-4446**	1	SEAL-O-RING	
	23	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	24	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	



GRAPHIC #1 **<END>** g00986195

228-8535 DRIVE GP-FAN

0.800:1 DRIVE RATIO. REQUIRES 1800 ENGINE RPM FOR 43 INCH FAN, 1800-1900 ENGINE RPM FOR 40 INCH FAN AND ADAPTER

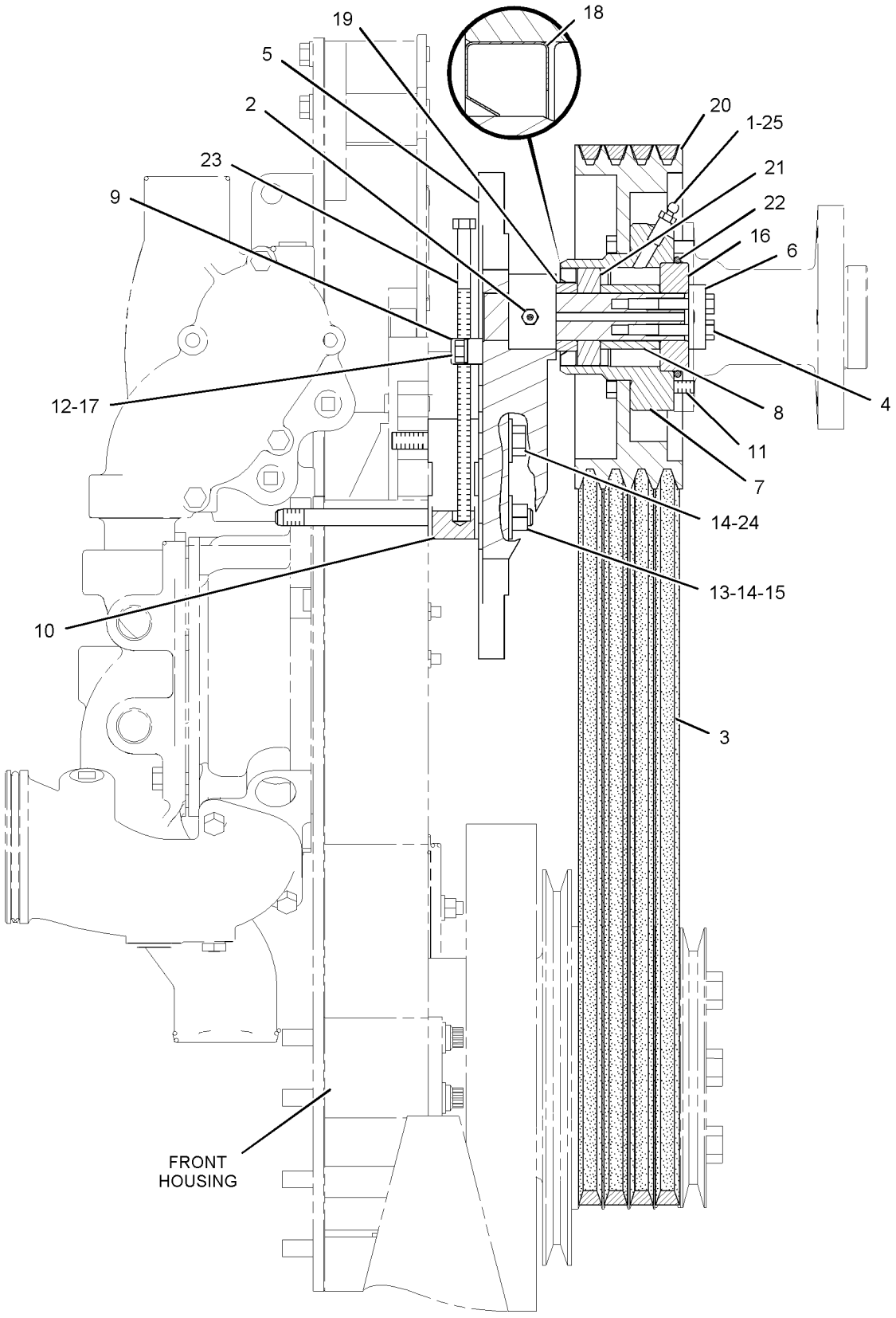
AN ATTACHMENT

SMCS-1359 **i03206232**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	2	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF)	
	3	1	**5N-2346**	1	V-BELT SET (INCLUDES 4-BELTS) (FAN DRIVE)	
	4	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	5	1	**6N-6490**	1	BRACKET AS-FAN	
		1	**1P-9946**	1	SHAFT-FAN	
		1	**4N-0684**	1	DOWEL	
	6	1	**7N-2900**	1	RETAINER	
	7	1	**7N-8827**	1	HUB	
	8	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	9	1	**9N-5120**	1	BRACKET	
	10	1	**120-4879**	1	ADAPTER	
	11	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	12	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	13	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	14	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	15	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	16	1	**3L-1425**	1	BALL BEARING	
	17	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	18	1	**5S-2106**	1	SEAL-LIP TYPE	
	19	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	20	1	**7N-8828**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	21	1	**8H-9789**	1	BEARING AS-BALL	
	22	1	**9F-4446**	1	SEAL-O-RING	
	23	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	24	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	
B	25	1	**1P-0808**		GREASE-MULTIPURPOSE	

B-USE AS REQUIRED

228-8535 **DRIVE GP-FAN** *(contd.)* **i03206232**



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g01031907

BASIC ENGINE

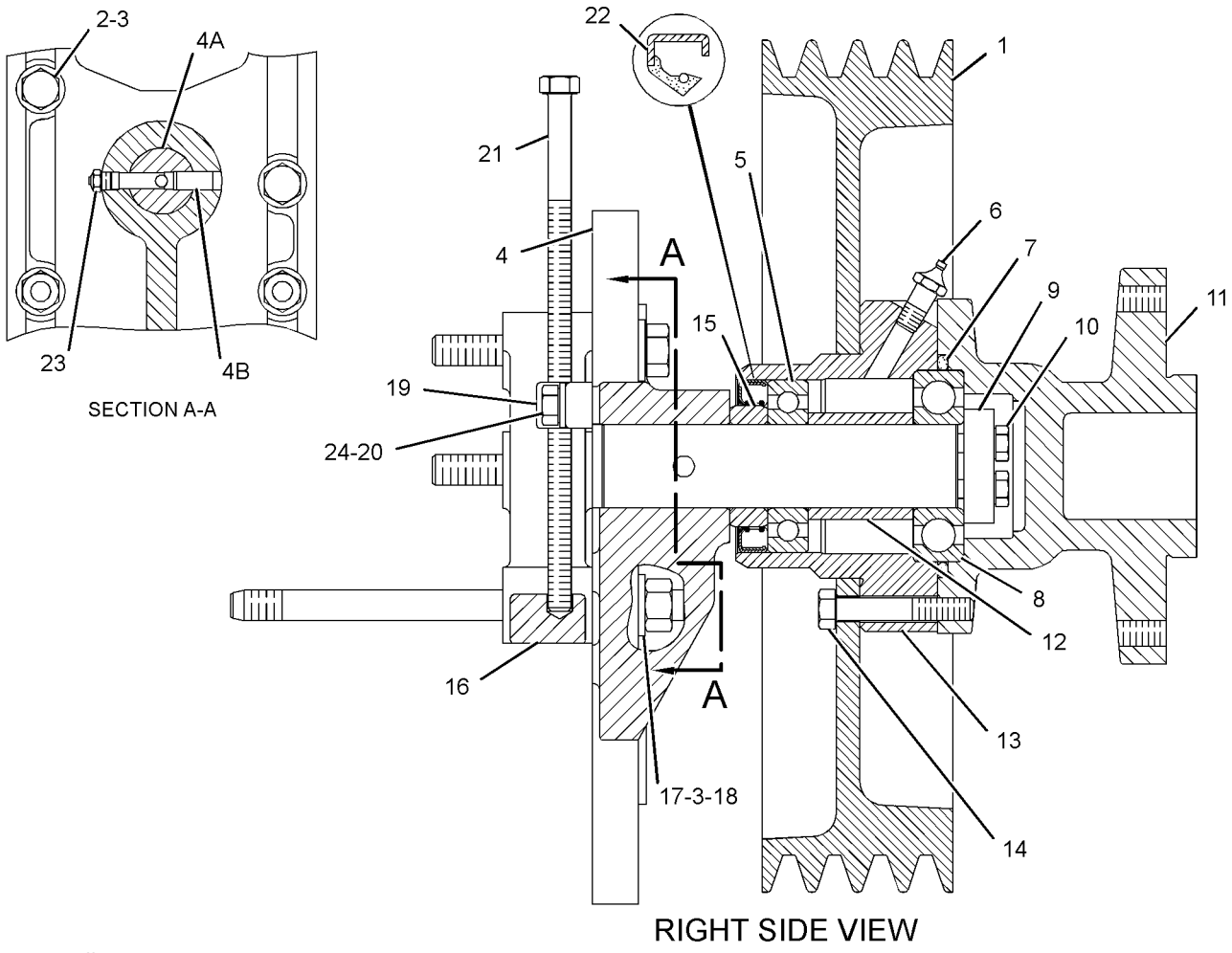
271-2214 DRIVE GP-FAN

0.800:1

AN ATTACHMENT

SMCS-1359 **i03688461**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-8828**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	2	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	
	3	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
	4A	1	**1P-9946**	1	SHAFT-FAN	
	4B	1	**4N-0684**	1	DOWEL	
	5	1	**8H-9789**	1	BEARING AS-BALL	
	6	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	7	1	**9F-4446**	1	SEAL-O-RING	
	8	1	**3L-1425**	1	BALL BEARING	
	9	1	**5S-7264**	1	WASHER-RETAINING (0.219-IN THK)	
	10	1	**6V-4626**	2	BOLT-LOCKING (5/16-24X2-IN)	
	11	1	**7N-5436**	1	HUB-FAN	
	12	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	13	1	**7N-8827**	1	HUB	
	14	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	15	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	16	1	**120-4879**	1	ADAPTER	
	17	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	18	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	19	1	**9N-5120**	1	BRACKET	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	22	1	**5S-2106**	1	SEAL-LIP TYPE	
	23	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF)	
	24	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01159986

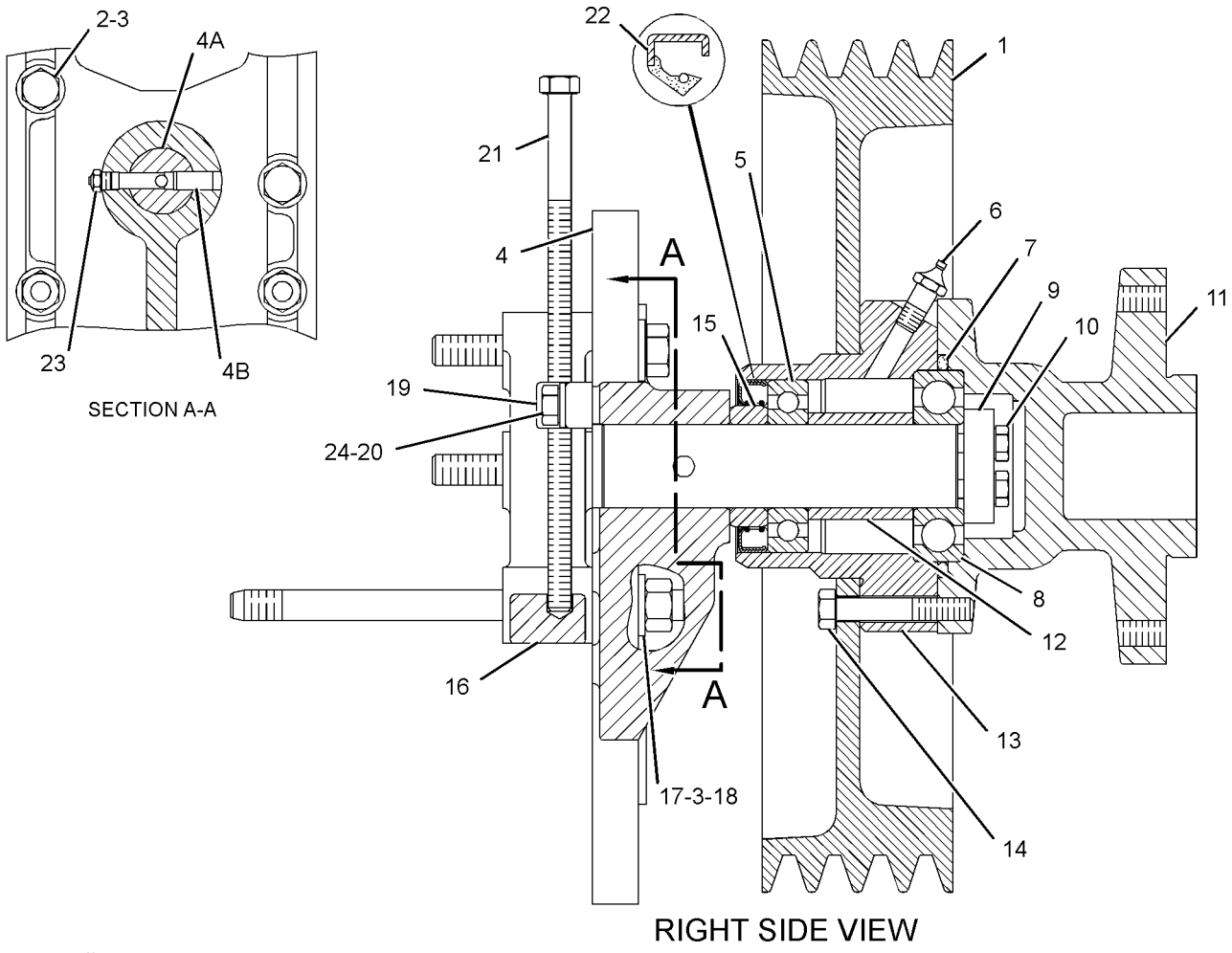
BASIC ENGINE

271-2215 DRIVE GP-FAN

AN ATTACHMENT

SMCS-1359 **i03688462**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-0598**	1	PULLEY-FAN DRIVE (4-GROOVE)	
	2	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	
	3	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	4	1	**6N-6490**	1	BRACKET AS-FAN	
	4A	1	**1P-9946**	1	SHAFT-FAN	
	4B	1	**4N-0684**	1	DOWEL	
	5	1	**8H-9789**	1	BEARING AS-BALL	
	6	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	7	1	**9F-4446**	1	SEAL-O-RING	
	8	1	**3L-1425**	1	BALL BEARING	
	9	1	**5S-7264**	1	WASHER-RETAINING (0.219-IN THK)	
	10	1	**6V-4626**	2	BOLT-LOCKING (5/16-24X2-IN)	
	11	1	**7N-5436**	1	HUB-FAN	
	12	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	13	1	**7N-8827**	1	HUB	
	14	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	15	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	16	1	**120-4879**	1	ADAPTER	
	17	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	18	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	19	1	**9N-5120**	1	BRACKET	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**9L-4238**	1	BOLT (3/8-16X8.5-IN)	
	22	1	**5S-2106**	1	SEAL-LIP TYPE	
	23	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF)	
	24	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01159986

BASIC ENGINE

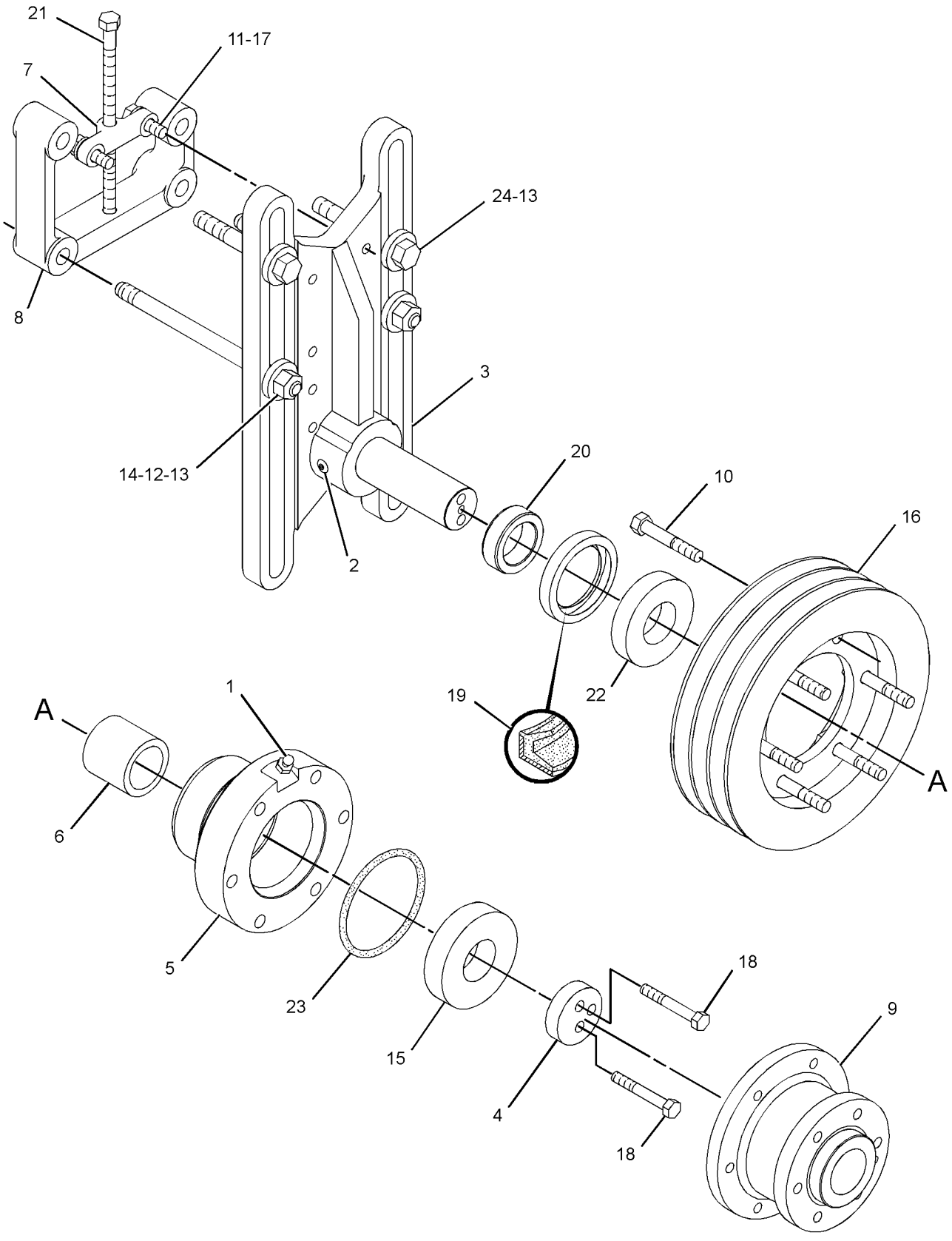
291-5522 DRIVE GP-FAN

0.94 DRIVE RATIO. BELT

AN ATTACHMENT

SMCS-1359 **i03688463**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2D-4867**	1	FITTING-GREASE (FAN DRIVE)	
	2	1	**4B-4550**	1	FITTING-PRESSURE RELIEF (1/8-27 PTF)	
	3	1	**6N-6490**	1	BRACKET AS-FAN	
		1	**1P-9946**	1	SHAFT-FAN	
		1	**4N-0684**	1	DOWEL	
	4	1	**7N-2900**	1	RETAINER	
	5	1	**7N-8827**	1	HUB	
	6	1	**8N-5305**	1	SPACER (35.6X47.62X43.74-MM THK)	
	7	1	**9N-5120**	1	BRACKET	
	8	1	**120-4879**	1	ADAPTER	
	9	1	**291-5523**	1	HUB-FAN	
	10	1	**0L-2070**	6	BOLT (3/8-16X2.25-IN)	
	11	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	12	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	13	1	**1F-7960**	4	WASHER (13.5X32X6-MM THK)	
	14	1	**2P-9084**	2	STUD-TAPERLOCK (1/2-13X0.83-IN, 1/2-13X0.98-IN)	
	15	1	**3L-1425**	1	BALL BEARING	
	16	1	**4N-6289**	1	PULLEY-FAN DRIVE (3-GROOVE)	
	17	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	18	1	**5P-7979**	2	BOLT-LOCKING (5/16-24X2.25-IN)	
	19	1	**5S-2106**	1	SEAL-LIP TYPE	
	20	1	**5S-9062**	1	SPACER (35.032X50.8X15.88-MM THK)	
	21	1	**6L-7283**	1	BOLT (3/8-16X7-IN)	
	22	1	**8H-9789**	1	BEARING AS-BALL	
	23	1	**9F-4446**	1	SEAL-O-RING	
	24	1	**9X-8875**	2	BOLT (1/2-13X3.5-IN)	



GRAPHIC #1 **<END>** g01273550

BASIC ENGINE

219-0626 DRIVE GP-POWER TAKE-OFF

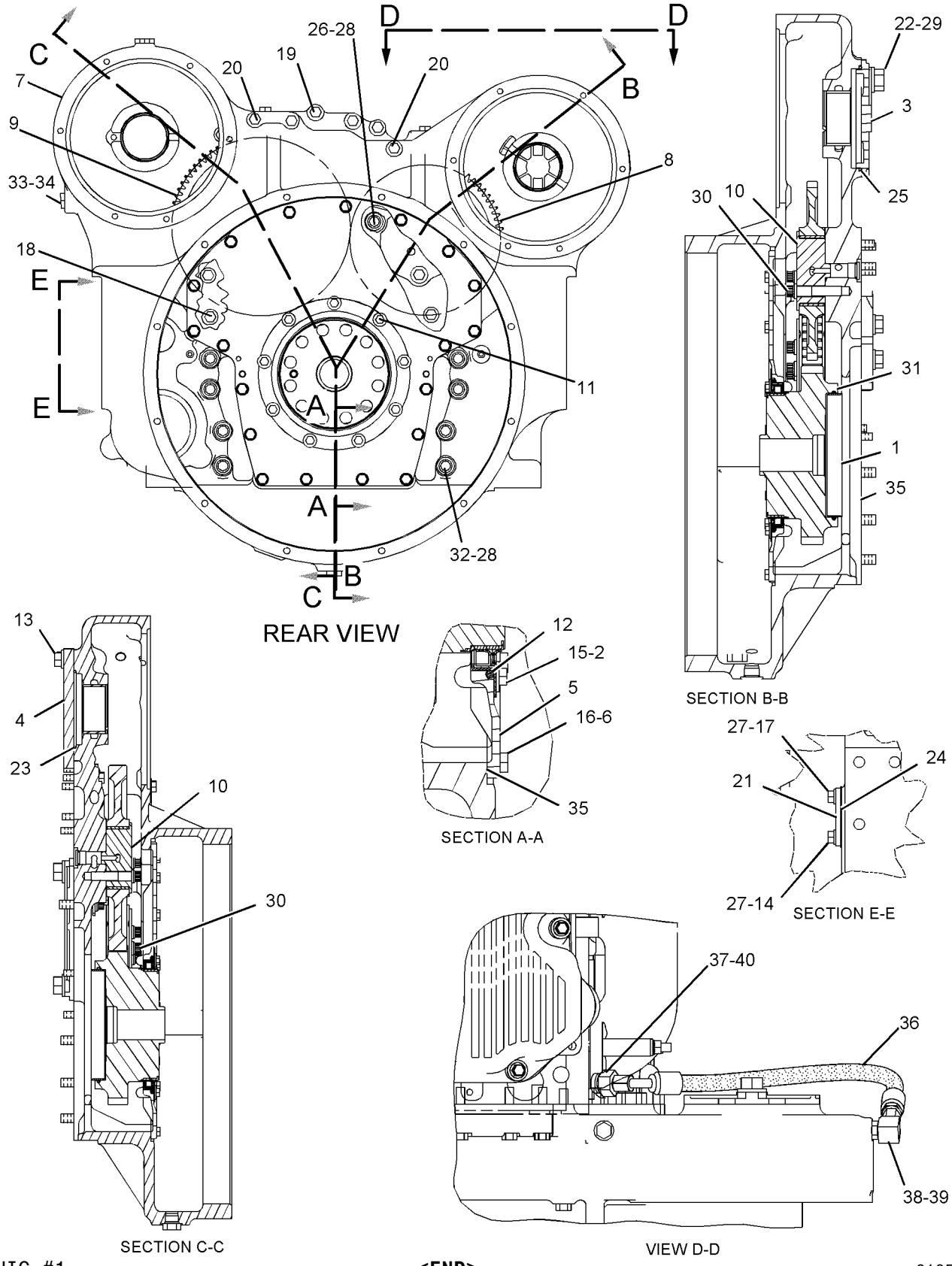
S/N: JRE1-779
1.3 DRIVE RATIO REARWARD FACING PTO
FOR USE WITH 219-0634—PAGE 150, 219-0637—PAGE 151
AN ATTACHMENT

SMCS-1165 **i03649498**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0848**	1	SLEEVE-WEAR	
	2	1	**5J-9105**	9	WASHER (6.4X19.8X1.9-MM THK)	
	3	1	**7N-8374**	1	COVER-PUMP	
	4	1	**175-3721**	1	COVER	
	5	1	**157-0214**	1	COVER	
	6	1	**159-0926**	19	WASHER (SEALING)	
Y	7	1	**219-0627**	1	HOUSING GP-FLYWHEEL	255
	8	1	**236-4414**	1	GEAR AS-IDLER (68-TEETH)	
		1	**152-7254**	1	BEARING-SLEEVE	
	9	1	**236-4415**	1	GEAR AS-IDLER (79-TEETH)	
		1	**152-7254**	1	BEARING-SLEEVE	
	10	1	**239-0770**	2	RETAINER	
	11	1	**222-5767**	1	GEAR AS (68-TEETH) (CRANKSHAFT-REAR)	
		1	**4N-0684**	1	DOWEL	
Y	12	1	**227-0838**	1	SEAL GP-CRANKSHAFT	390
		1	**107-6280**	1	SEAL-O-RING	
	13	1	**2H-3855**	2	BOLT (1/2-13X0.875-IN)	
	14	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	15	1	**0S-1613**	9	BOLT (1/4-20X0.375-IN)	
	16	1	**0S-1617**	19	BOLT (5/16-18X0.75-IN)	
	17	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
	18	1	**165-3930**	6	BOLT (3/8-16X1.625-IN)	
	19	1	**165-3932**	4	BOLT (3/8-16X2-IN) (3/8-16X2-IN)	
	20	1	**223-4903**	3	BOLT (3/8-16X5-IN)	
	21	1	**2P-2772**	1	COVER	
	22	1	**4B-4043**	2	BOLT (5/8-11X1.375-IN)	
	23	1	**4M-0189**	1	SEAL-O-RING	
	24	1	**4N-0933**	1	GASKET	
	25	1	**5F-3106**	1	SEAL-O-RING	
	26	1	**5J-5793**	1	BOLT-12 POINT HEAD (1/2-13X1.75-IN)	
	27	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	28	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3-MM THK)	
	29	1	**5P-8247**	2	WASHER-HARD (17X32X3.5-MM THK)	
	30	1	**6J-2515**	6	BOLT-12 POINT HEAD (1/2-13X2.25-IN)	
	31	1	**6V-3319**	1	SEAL-O-RING	
	32	1	**8D-0648**	8	BOLT-12 POINT HEAD (1/2-13X4.5-IN)	
	33	1	**8L-2786**	1	SEAL-O-RING	
	34	1	**9S-4185**	1	PLUG-O-RING	
B	35	1	**1U-8846**		SEALANT-GASKET	
I	36	1	**172-8827**	1	HOSE AS	
	37	1	**030-8194**	1	CONNECTOR	
	38	1	**030-7947**	1	ELBOW	
	39	1	**3J-1907**	1	SEAL-O-RING	
	40	1	**2M-9780**	1	SEAL-O-RING	

B-USE AS REQUIRED
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

219-0626 **DRIVE GP-POWER TAKE-OFF** *(contd.)* **i03649498**



GRAPHIC #1 **<END>** g01057726

BASIC ENGINE

219-0626 DRIVE GP-POWER TAKE-OFF

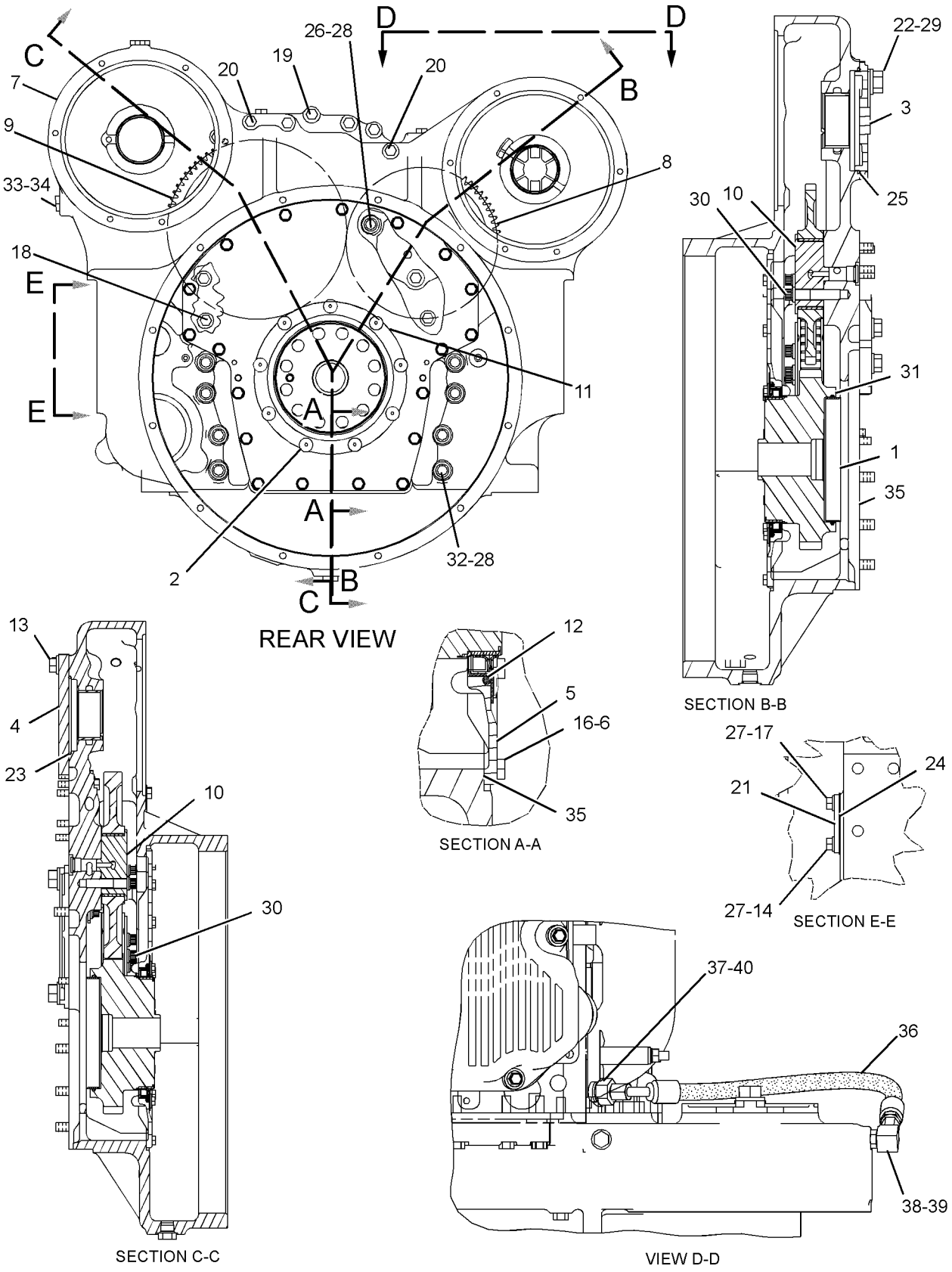
S/N: JRE780-UP
1.3 DRIVE RATIO REARWARD FACING PTO
FOR USE WITH 219-0634—PAGE 150, 219-0637—PAGE 151
AN ATTACHMENT

SMCS-1165 **i03649508**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0848**	1	SLEEVE-WEAR	
C	2	1	**6V-8969**	9	SCREW-BUTTON HEAD (1/4-20X0.5-IN)	
	3	1	**7N-8374**	1	COVER-PUMP	
	4	1	**175-3721**	1	COVER	
	5	1	**157-0214**	1	COVER	
	6	1	**159-0926**	19	WASHER (SEALING)	
Y	7	1	**219-0627**	1	HOUSING GP-FLYWHEEL	255
	8	1	**236-4414**	1	GEAR AS-IDLER (68-TEETH)	
		1	**152-7254**	1	BEARING-SLEEVE	
	9	1	**236-4415**	1	GEAR AS-IDLER (79-TEETH)	
		1	**152-7254**	1	BEARING-SLEEVE	
	10	1	**239-0770**	2	RETAINER	
	11	1	**222-5767**	1	GEAR AS (68-TEETH) (CRANKSHAFT-REAR)	
		1	**4N-0684**	1	DOWEL	
Y	12	1	**227-0838**	1	SEAL GP-CRANKSHAFT	390
		1	**107-6280**	1	SEAL-O-RING	
	13	1	**2H-3855**	2	BOLT (1/2-13X0.875-IN)	
	14	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	16	1	**0S-1617**	19	BOLT (5/16-18X0.75-IN)	
	17	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
	18	1	**165-3930**	6	BOLT (3/8-16X1.625-IN)	
	19	1	**165-3932**	4	BOLT (3/8-16X2-IN) (3/8-16X2-IN)	
	20	1	**223-4903**	3	BOLT (3/8-16X5-IN)	
	21	1	**2P-2772**	1	COVER	
	22	1	**4B-4043**	2	BOLT (5/8-11X1.375-IN)	
	23	1	**4M-0189**	1	SEAL-O-RING	
	24	1	**4N-0933**	1	GASKET	
	25	1	**5F-3106**	1	SEAL-O-RING	
	26	1	**5J-5793**	1	BOLT-12 POINT HEAD (1/2-13X1.75-IN)	
	27	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	28	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3-MM THK)	
	29	1	**5P-8247**	2	WASHER-HARD (17X32X3.5-MM THK)	
	30	1	**6J-2515**	6	BOLT-12 POINT HEAD (1/2-13X2.25-IN)	
	31	1	**6V-3319**	1	SEAL-O-RING	
	32	1	**8D-0648**	8	BOLT-12 POINT HEAD (1/2-13X4.5-IN)	
	33	1	**8L-2786**	1	SEAL-O-RING	
	34	1	**9S-4185**	1	PLUG-O-RING	
B	35	1	**1U-8846**		SEALANT-GASKET	
I	36	1	**172-8827**	1	HOSE AS	
	37	1	**030-8194**	1	CONNECTOR	
	38	1	**030-7947**	1	ELBOW	
	39	1	**3J-1907**	1	SEAL-O-RING	
	40	1	**2M-9780**	1	SEAL-O-RING	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

219-0626 DRIVE GP-POWER TAKE-OFF *(contd.)* i03649508



GRAPHIC #1 **<END>** g01253899

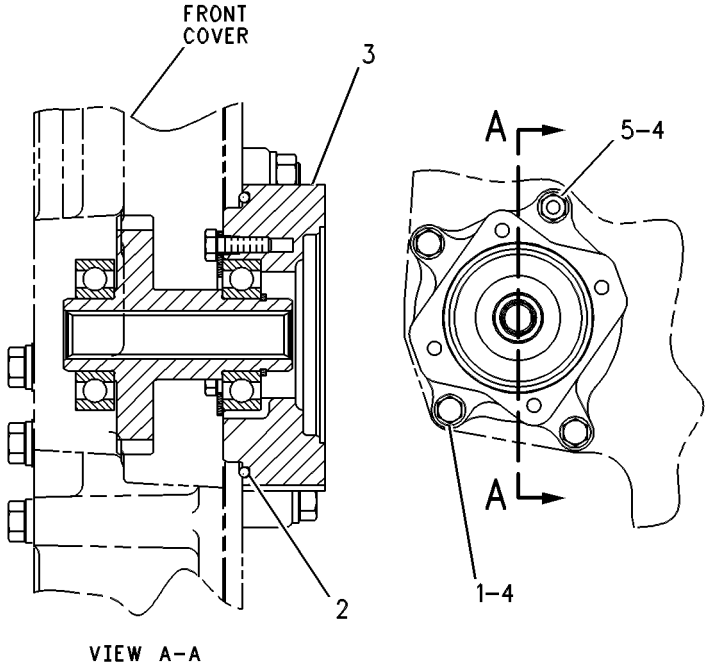
6I-3638 DRIVE GP-PUMP

**LEFT HAND REARWARD FACING SAE 2 BOLT FLANGE WITH SPLINE DRIVE
FOR USE WITH THE 2.5 BASE MODULE LARGE CAM GEAR TRAIN, CUSTOMER SUPPLIED SAE "A" PUMP WITH 11 TOOTH 16/32 DEPTH SPLINE
ALSO AN ATTACHMENT**

SMCS-1017, 1207, 3108 **i01949792**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1590**	3	BOLT (3/8-16X2-IN)	
	2	1	**8T-9527**	1	SEAL-O-RING	
YC	3	1	*133-9907*	1	ADAPTER GP-PUMP DRIVE	31
	4	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



VIEW A-A

GRAPHIC #1 **<END>** g00263601

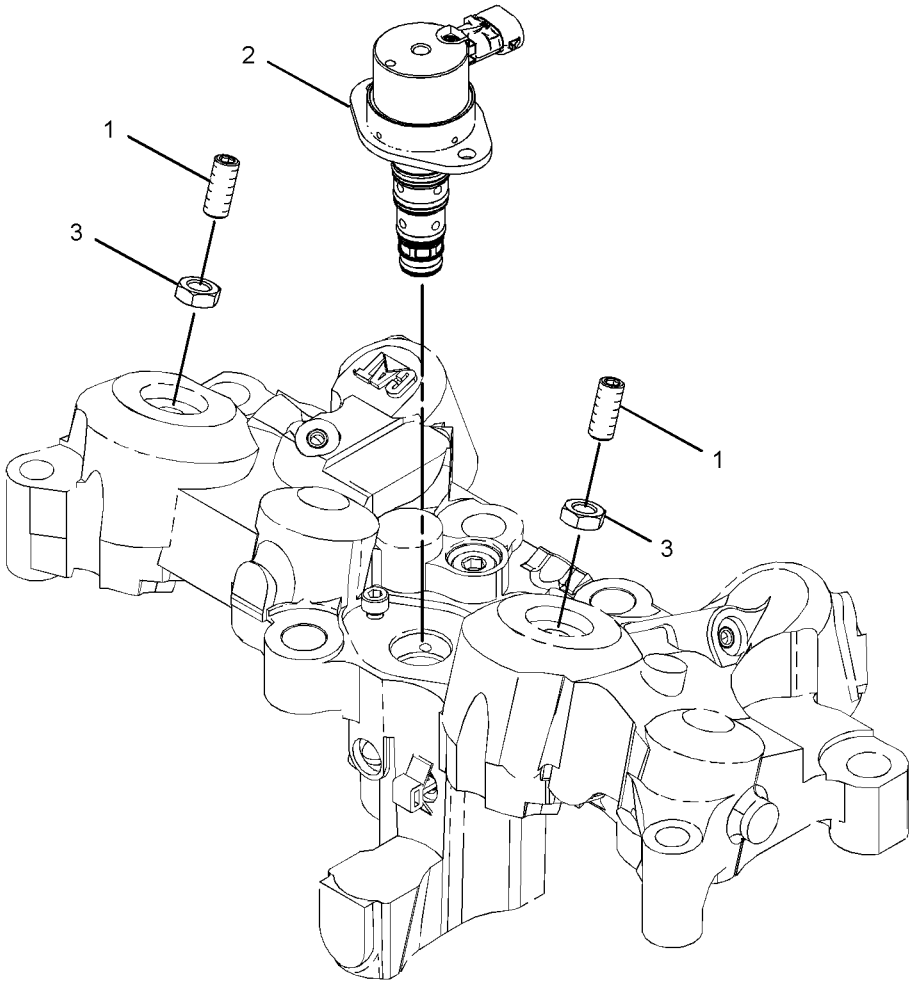
239-9624 ENGINE BRAKE GP*R

PART OF 233-7245 ACTUATOR GP-VALVE

AN ATTACHMENT

SMCS-1119 **i02961086**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**230-9446**	2	SCREW-ADJUSTMENT	
	2	1	**250-9378**	1	VALVE AS-BRAKE	
	3	1	**230-9447**	2	NUT-JAM	



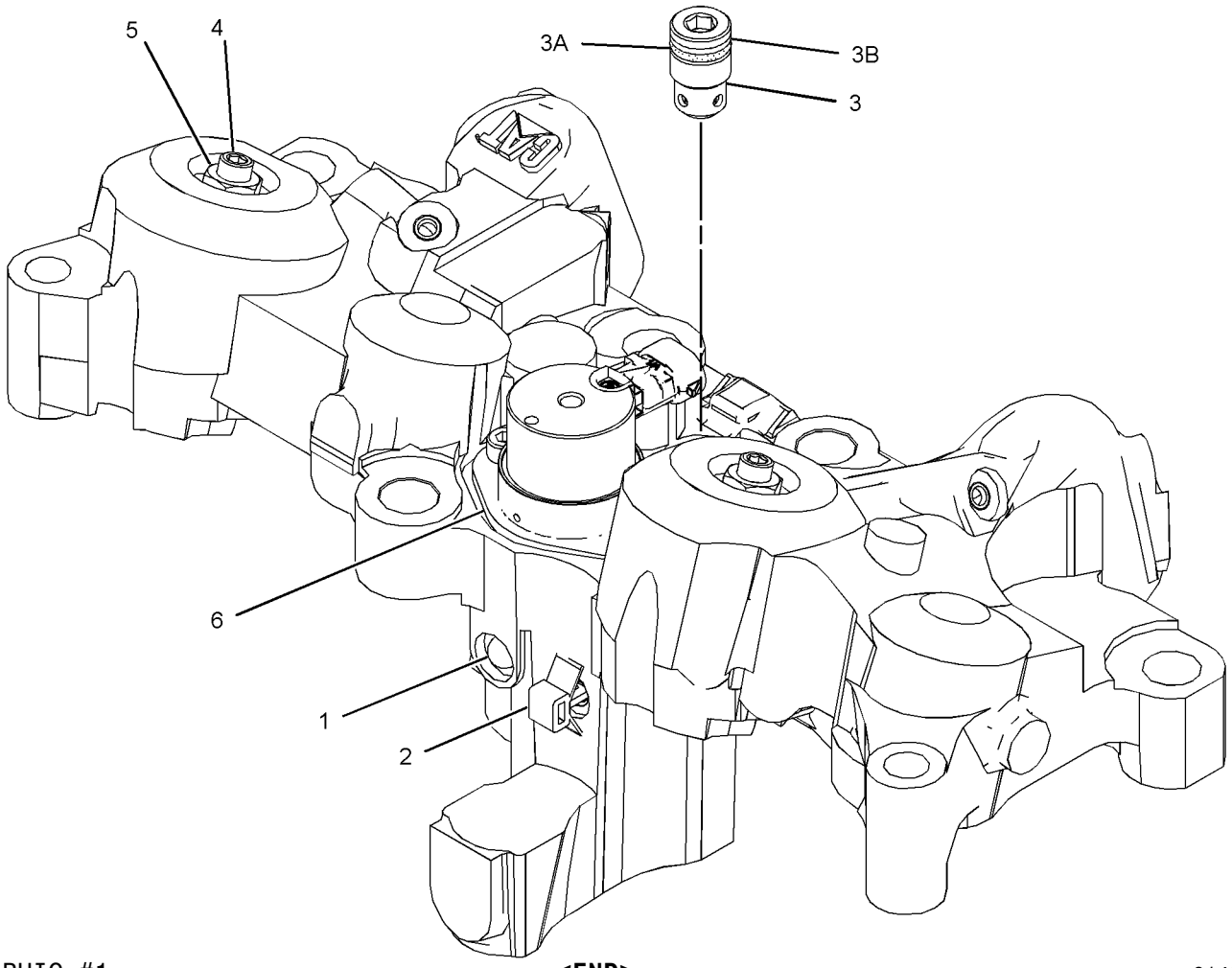
GRAPHIC #1 **<END>** g01271040

313-6361 ENGINE BRAKE GP

24-VOLT
PART OF 322-8542, 345-4072 ACTUATOR GP-VALVE
FOR USE WITH ADVANCED PILOT CAMSHAFT
AN ATTACHMENT

SMCS-1119 **i02951801**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-9880**	3	BALL	
	2	1	**105-1797**	1	MOUNT	
	3	1	*230-9425*	2	VALVE GP-CHECK	
	3A	1	**033-5879**	1	SEAL-O-RING	
	3B	1	**221-9963**	1	RING	
	4	1	**230-9446**	2	SCREW-ADJUSTMENT	
	5	1	**230-9447**	2	NUT-JAM	
	6	1	**250-9378**	1	VALVE AS-BRAKE	



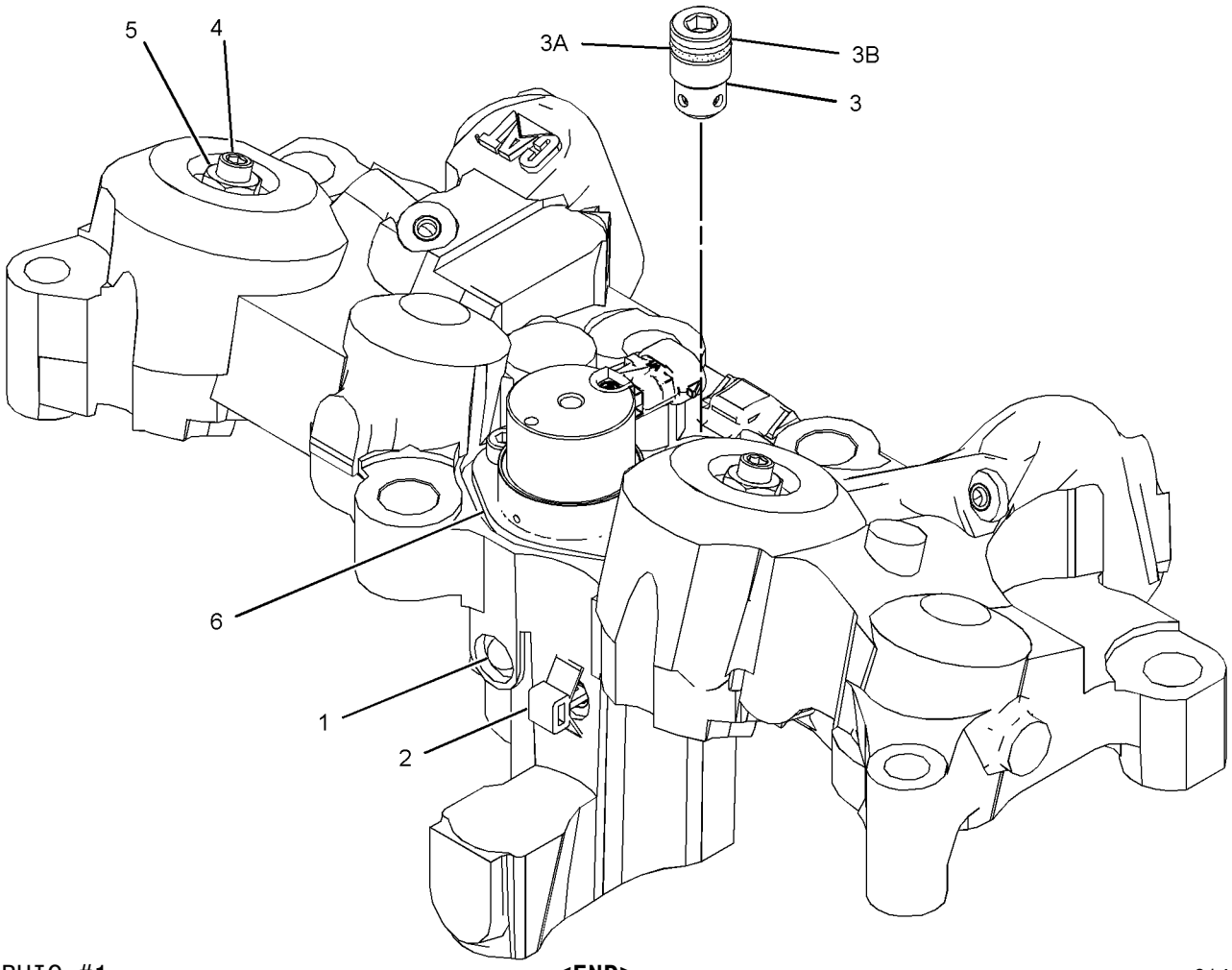
GRAPHIC #1 **<END>** g01482355

313-6363 ENGINE BRAKE GP

12-VOLT
PART OF 322-8543, 345-4073 ACTUATOR GP-VALVE
FOR USE WITH ADVANCED PILOT CAMSHAFT
AN ATTACHMENT

SMCS-1119 **i02951809**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-9880**	3	BALL	
	2	1	**105-1797**	1	MOUNT	
	3	1	*230-9425*	2	VALVE GP-CHECK	
	3A	1	**033-5879**	1	SEAL-O-RING	
	3B	1	**221-9963**	1	RING	
	4	1	**230-9446**	2	SCREW-ADJUSTMENT	
	5	1	**230-9447**	2	NUT-JAM	
	6	1	**250-9377**	1	VALVE AS	



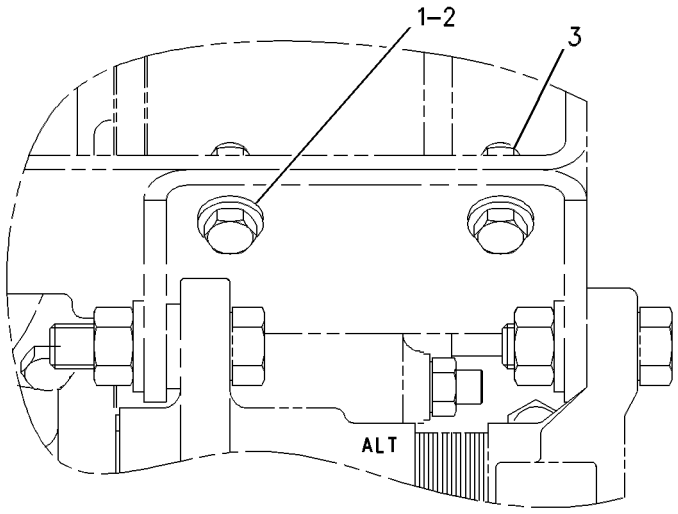
GRAPHIC #1 **<END>** g01482355

135-6940 FASTENER GP-ALTERNATOR

FOR USE WITH 118-3419—PAGE 290
AN ATTACHMENT

SMCS-1151, 1405 **i00940986**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	2	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	3	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	



RIGHT SIDE VIEW

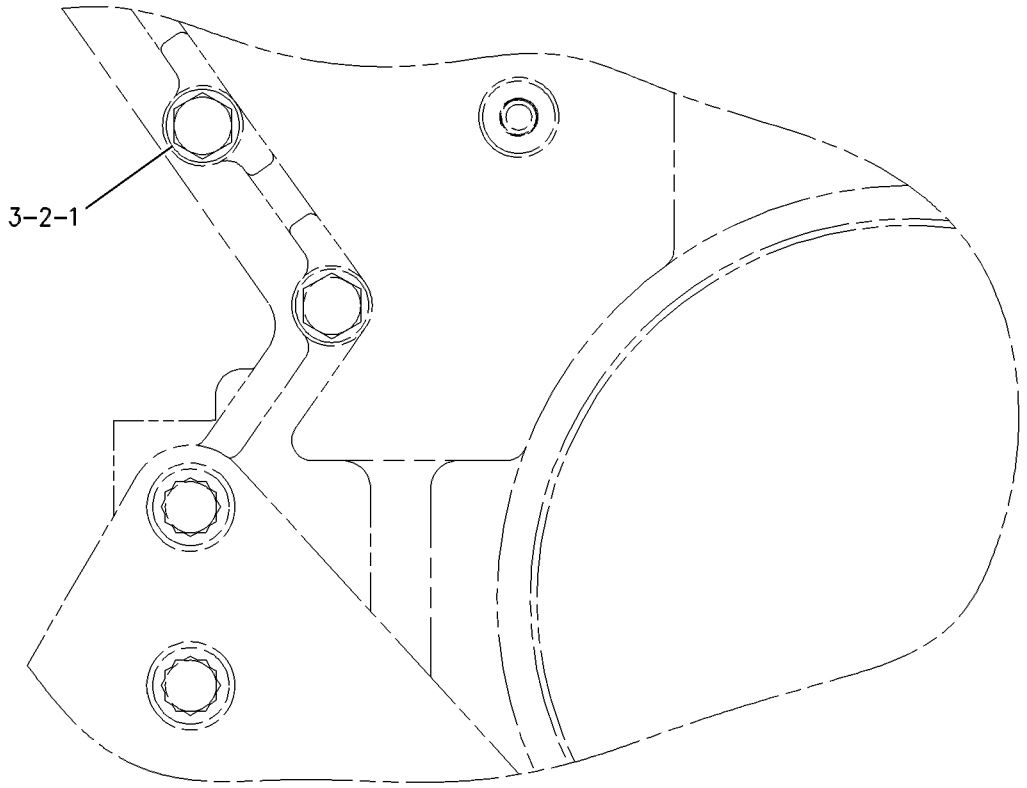
GRAPHIC #1 **<END>** g00364361

151-5366 FASTENER GP-ENGINE

USE WHEN DAMPER GUARD IS NOT USED
AN ATTACHMENT

SMCS-1000 **i01078234**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	3	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	



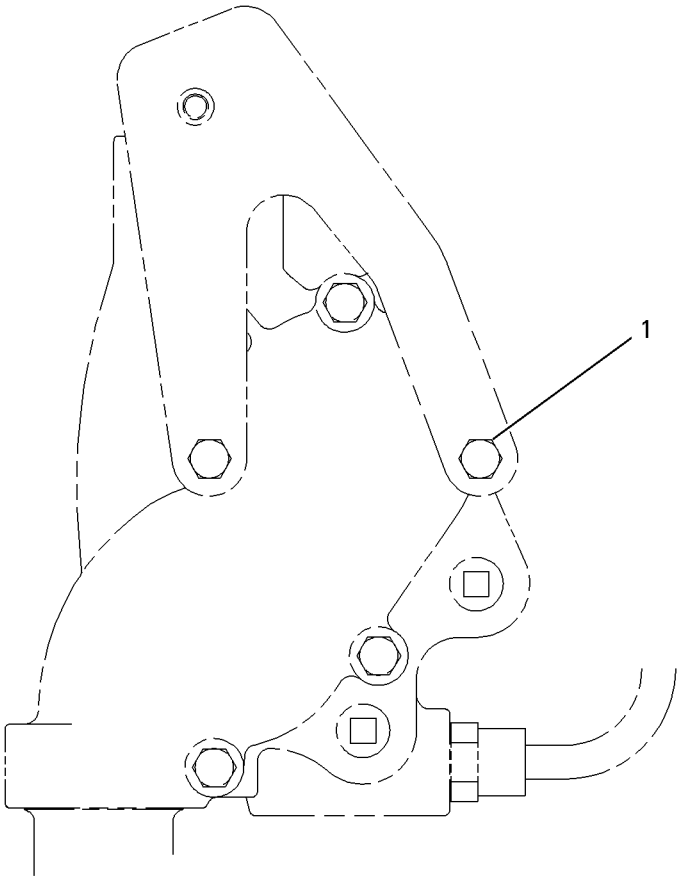
GRAPHIC #1 **<END>** g00570563

172-7120 FASTENER GP-ENGINE

FOR USE WITH WATER LINES, BRACKET ASSEMBLY FOR THE RH RADIATOR BRACE TO THE DUAL REGULATOR HOUSING
AN ATTACHMENT

SMCS-1000 **i01547866**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4F-0411**	2	BOLT (3/8-16X6.5 IN)	



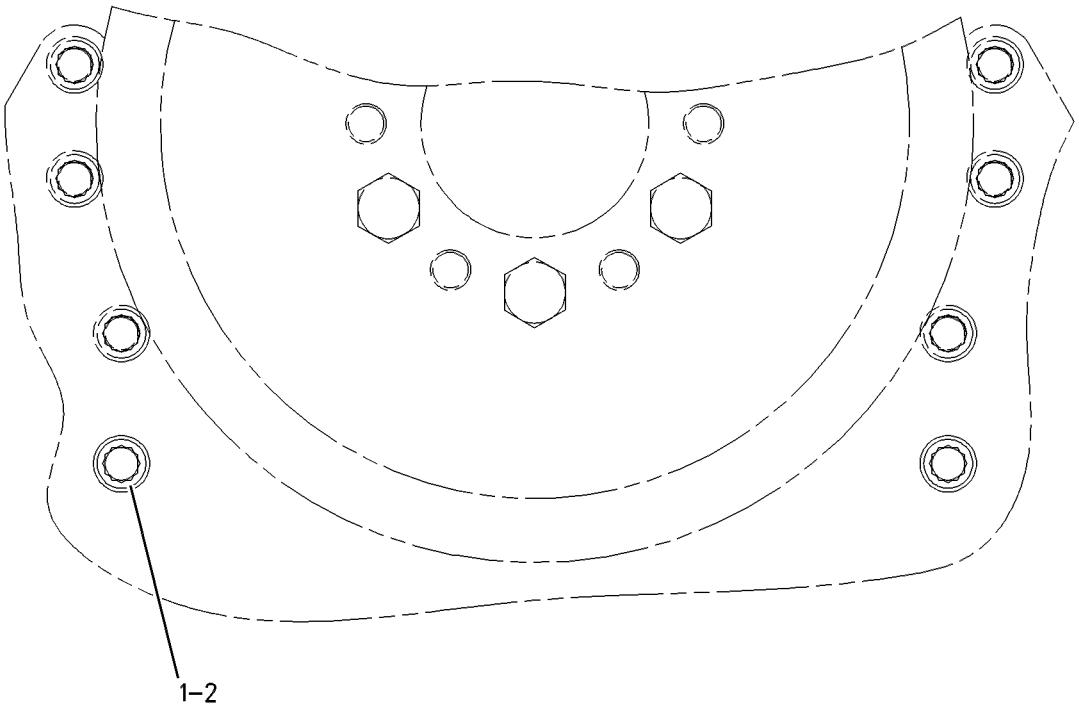
GRAPHIC #1 **<END>** g00804513

151-5365 FASTENER GP-FLYWHEEL HOUSING

USE WHEN DAMPER GUARD IS NOT USED
AN ATTACHMENT

SMCS-1157 **i02544042**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3H-7654**	2	WASHER-HARD (13.5X22.5X3.0-MM THK)	
	2	1	**5P-8038**	2	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	



FRONT VIEW

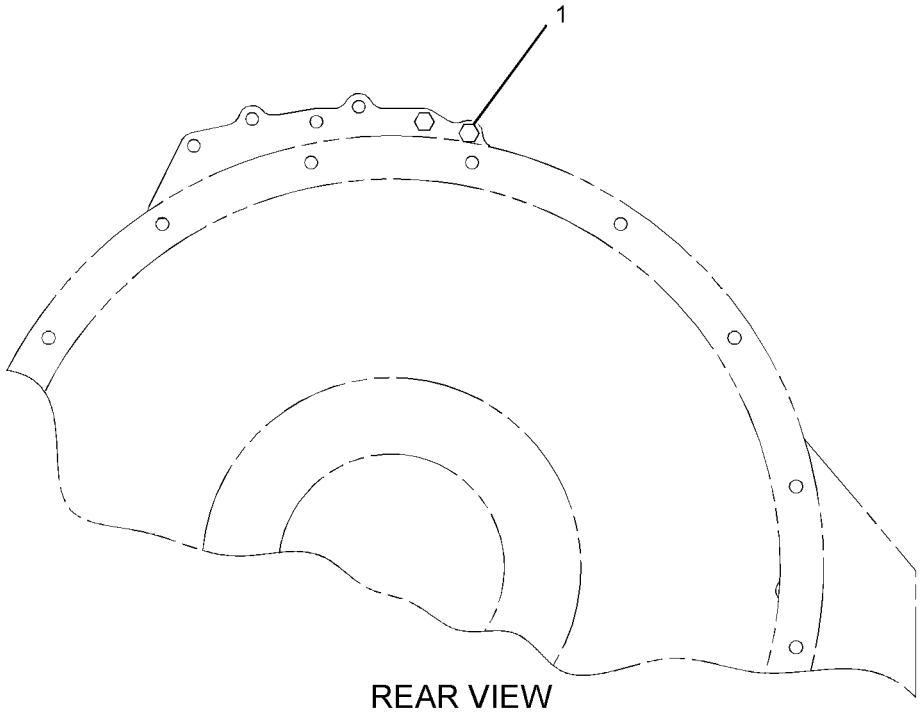
GRAPHIC #1 **<END>** g00572102

258-4885 FASTENER GP-FLYWHEEL HOUSING

AN ATTACHMENT

SMCS-1157 **i02238857**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**165-3929**	2	BOLT (3/8-16X1.5-IN)	



REAR VIEW

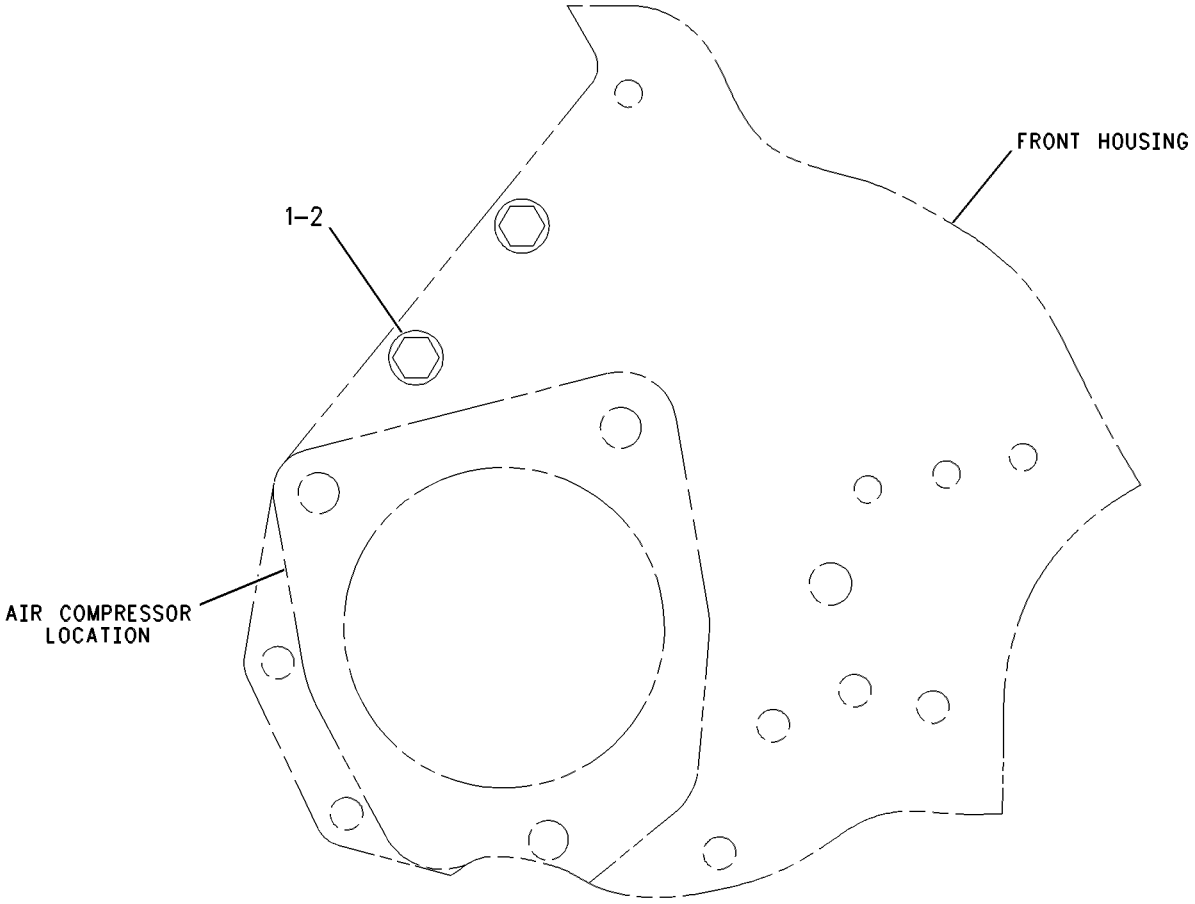
GRAPHIC #1 **<END>** g01138135

180-4367 FASTENER GP-FRONT COVER

AN ATTACHMENT

SMCS-1151 **i02544046**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



REAR VIEW

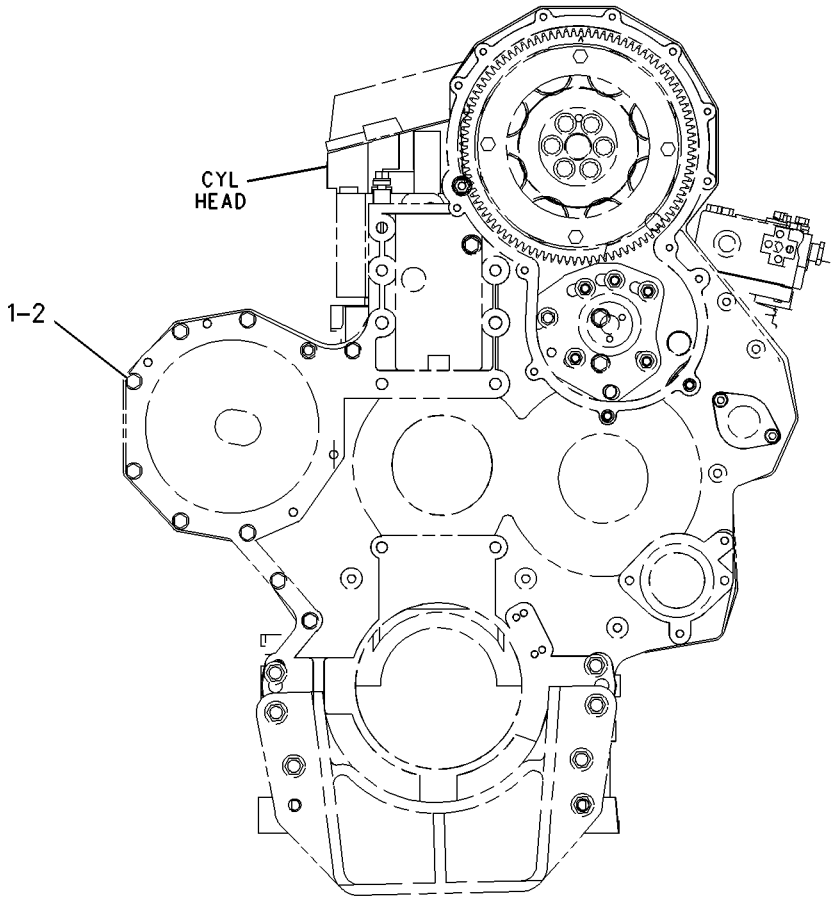
GRAPHIC #1 **<END>** g00654566

227-9864 FASTENER GP-FRONT COVER

USED WHEN THE ALTERNATOR MOUNTING GROUP IS NOT USED
AN ATTACHMENT

SMCS-1151 **i01901709**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0T-0055**	6	BOLT (3/8-16X4.25 IN)	
	2	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5MM THK)	



FRONT VIEW

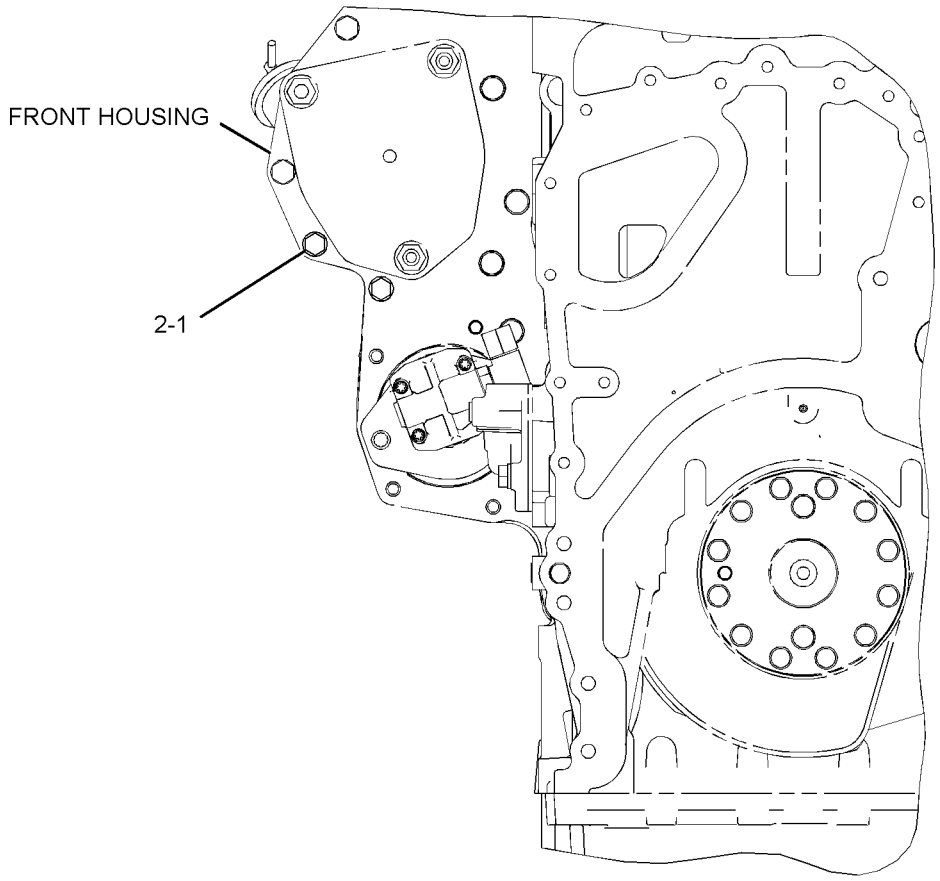
GRAPHIC #1 **<END>** g00990799

282-6846 FASTENER GP-FRONT COVER

AN ATTACHMENT

SMCS-1151 **i02491944**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



REAR VIEW

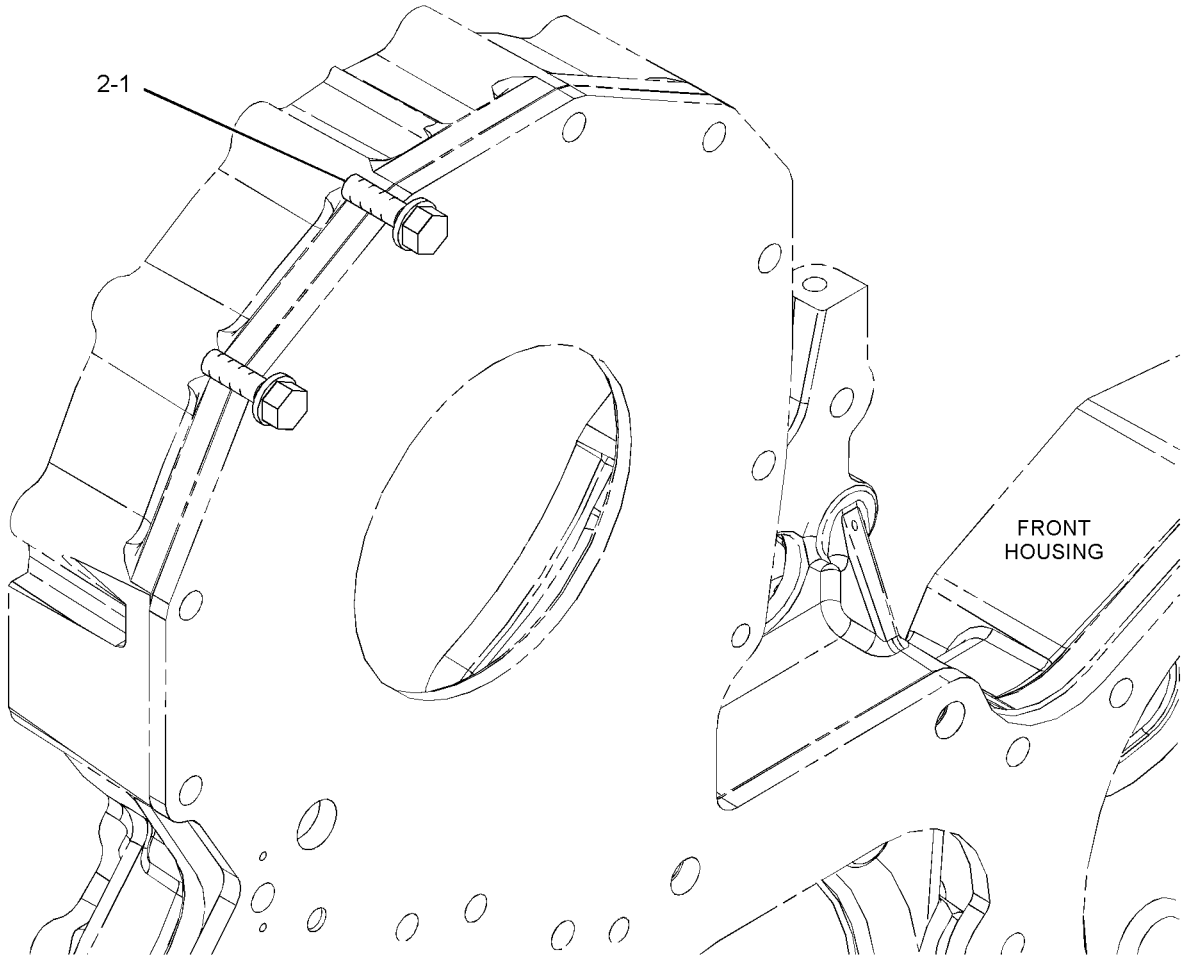
GRAPHIC #1 **<END>** g01263330

285-8628 FASTENER GP-FRONT COVER

CANNOT BE USED WITH INSTALLED RADIATOR
AN ATTACHMENT

SMCS-1151 **i02491796**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01258965

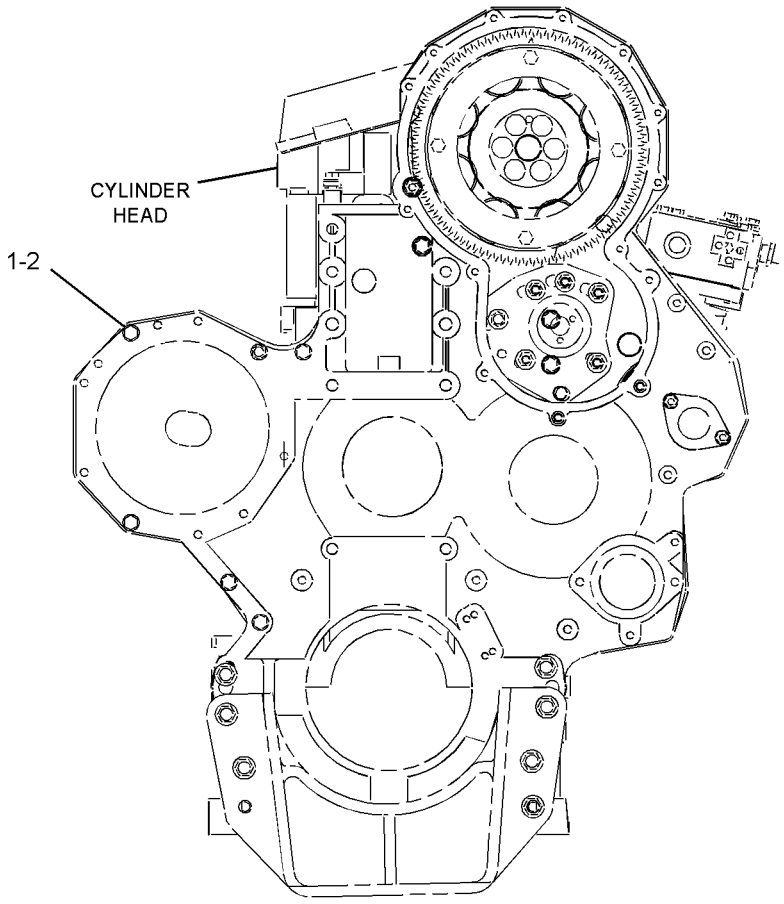
BASIC ENGINE

351-0589 FASTENER GP

AN ATTACHMENT

SMCS-1151 **i03666105**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0T-0055**	2	BOLT (3/8-16X4.25-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



FRONT VIEW OF ENGINE

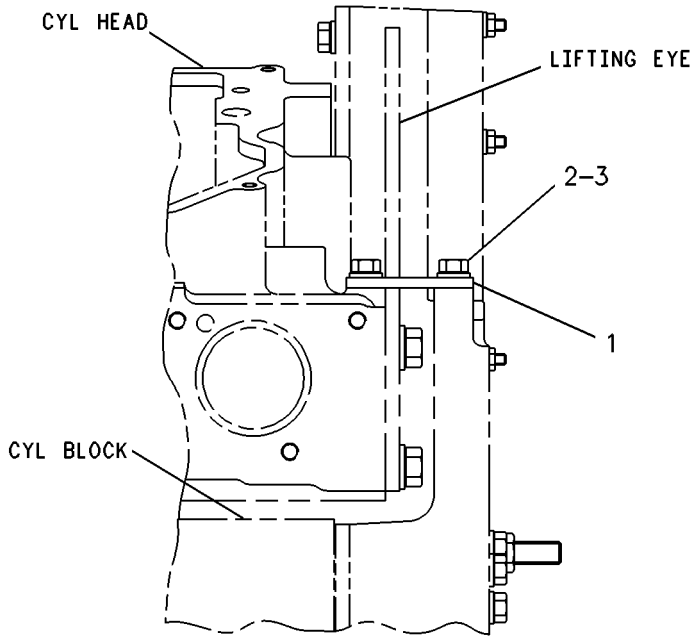
GRAPHIC #1 **<END>** g01967722

4P-6846 FASTENER GP-FRONT HOUSING

ALSO AN ATTACHMENT

SMCS-1151, 1162 **i02544049**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-0452**	1	PLATE	
	2	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1

<END>

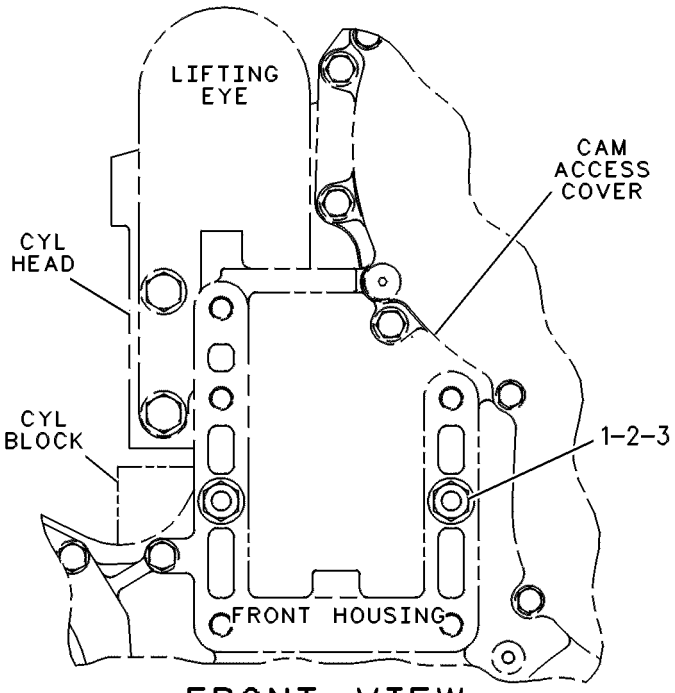
g00231021

108-9382 FASTENER GP-FRONT HOUSING

FOR USE WITH FRONT HOUSING WHEN FAN DRIVE IS NOT INSTALLED
AN ATTACHMENT

SMCS-1151, 1162 **i00670762**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	2	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	3	1	**149-5268**	2	STUD-TAPERLOCK	



FRONT VIEW

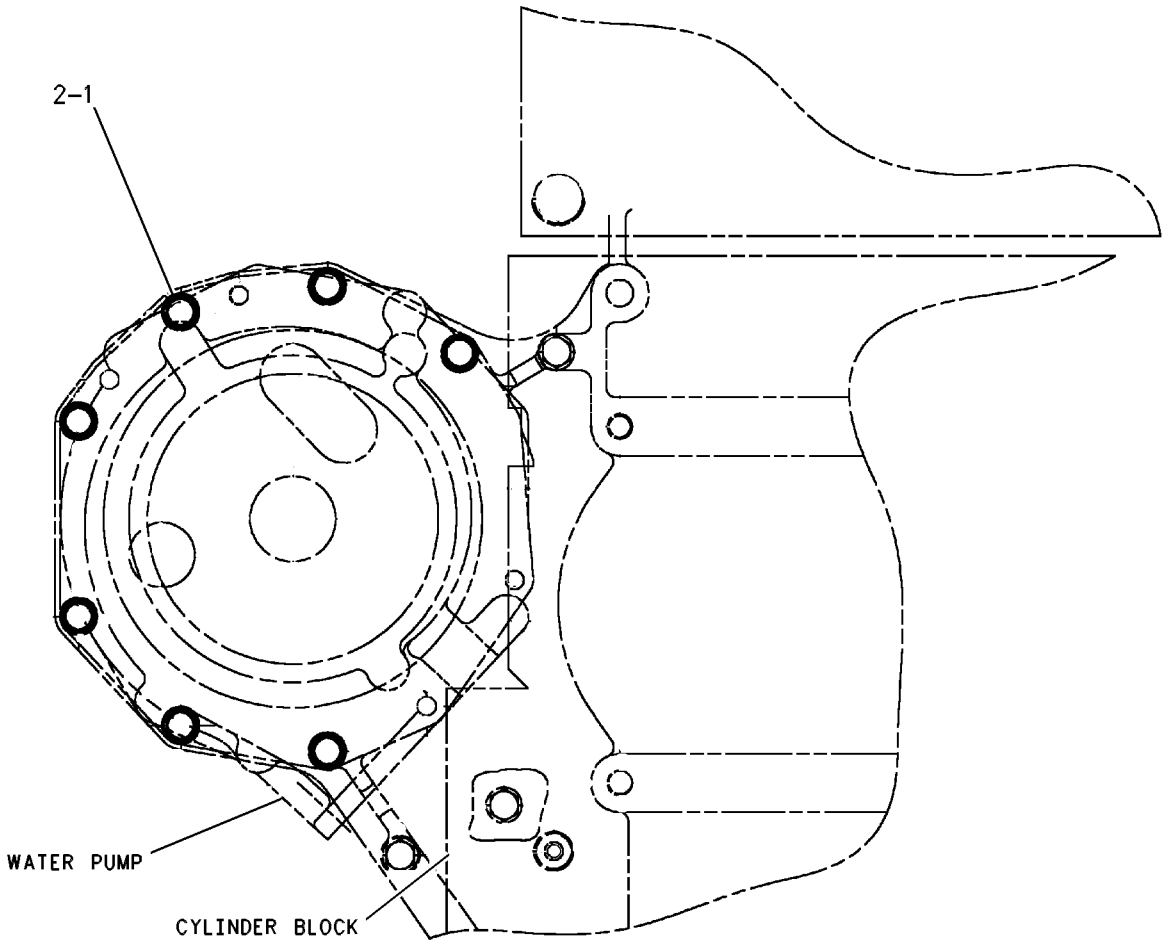
GRAPHIC #1 **<END>** g00237936

179-9496 FASTENER GP-FRONT HOUSING

FOR USE WITH FRONT HOUSING
AN ATTACHMENT

SMCS-1151, 1162 **i02544053**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0T-0055**	7	BOLT (3/8-16X4.25-IN)	
	2	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g00654778

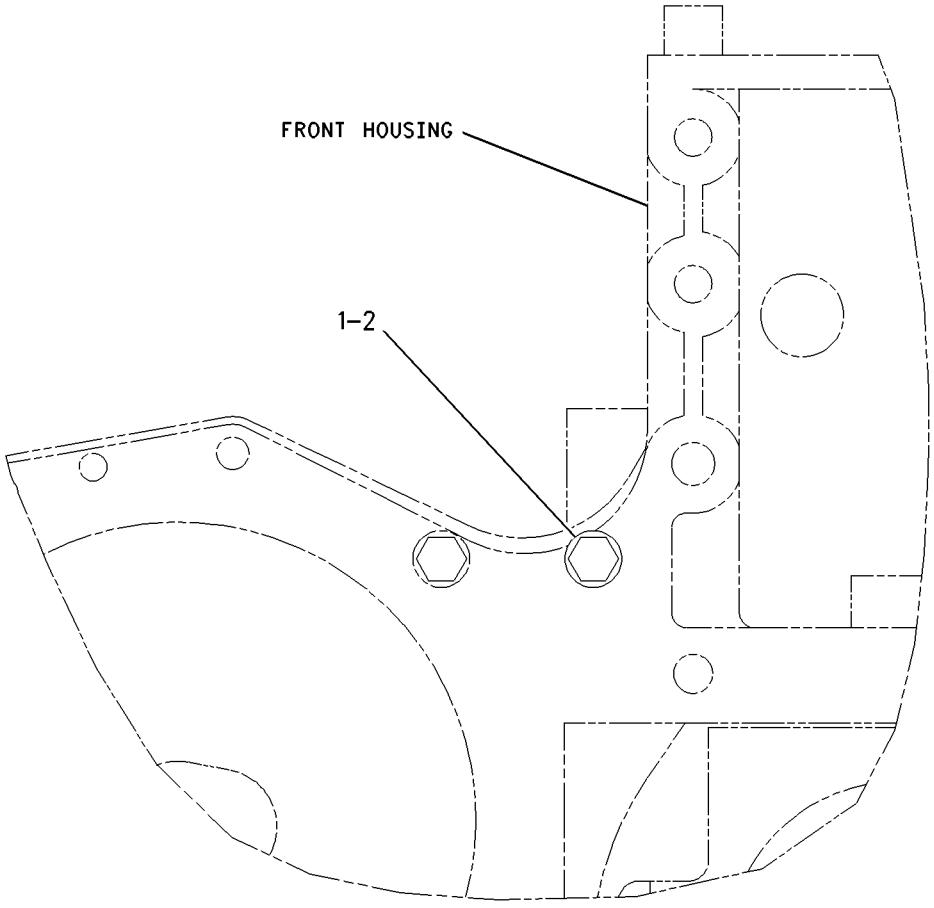
229-9965 FASTENER GP-FRONT HOUSING–

WITH AND WITHOUT SOUND PANEL

FOR USE WITH WHEN NO FULL FRONT SOUND SUPPRESSION PANEL GROUP IS USED AN ATTACHMENT

SMCS-1151, 1162 **i01897585**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0T-0055**	1	BOLT (3/8-16X4.25 IN)	
	2	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5MM THK)	



FRONT VIEW

GRAPHIC #1 **<END>** g00987899

229-9966 FASTENER GP-FRONT HOUSING–

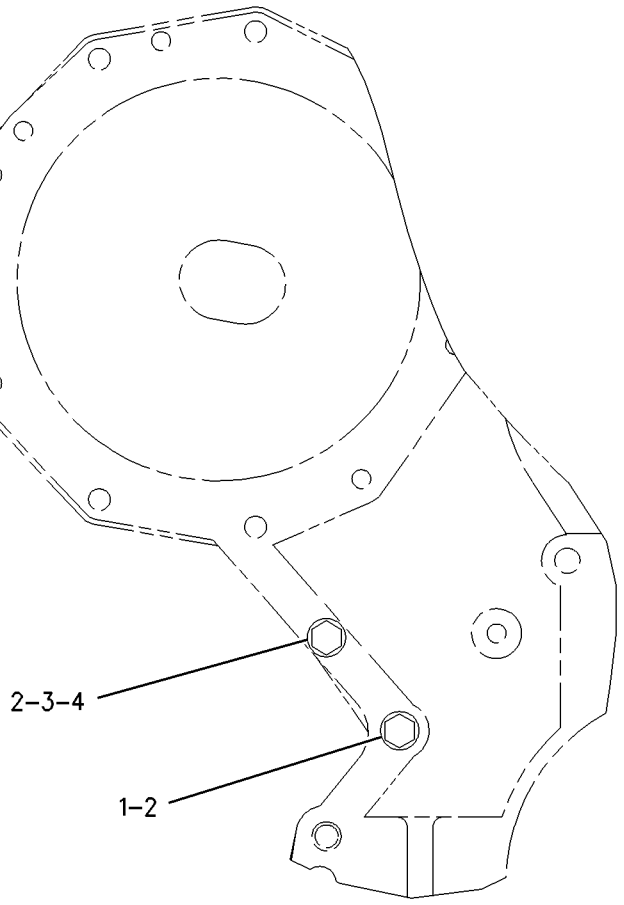
WITHOUT SOUND PANEL

FOR USE WITH WHEN NO FRONT SOUND SUPPRESSION PANEL GROUP IS USED

AN ATTACHMENT

SMCS-1151, 1162 **i01897580**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0T-0055**	1	BOLT (3/8-16X4.25-IN)	
	2	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	3	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	
	4	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	



FRONT VIEW

GRAPHIC #1 **<END>** g00987869

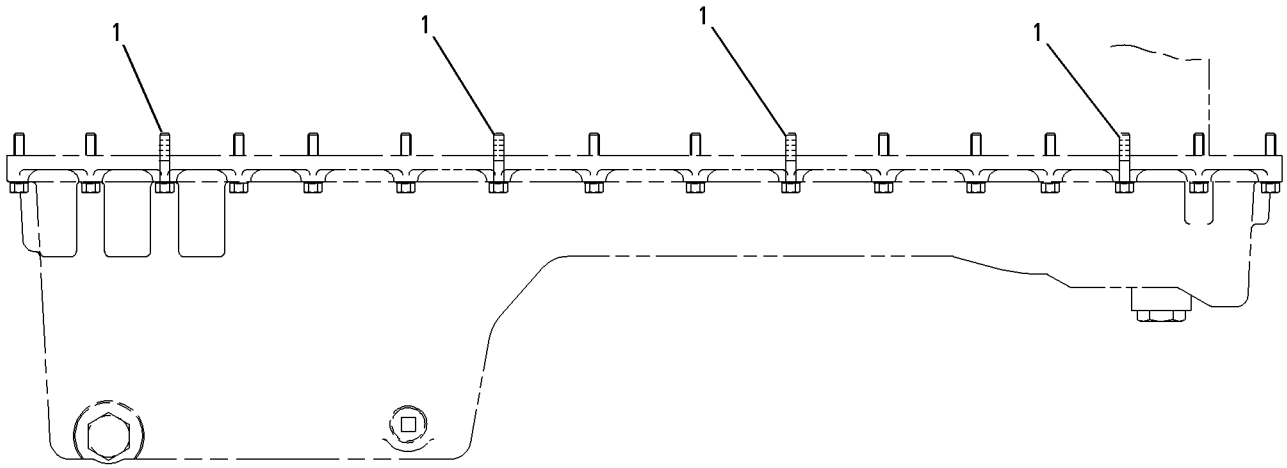
109-3290 FASTENER GP-OIL PAN

FOR USE WITH NON-BRAKESAVER ENGINES

AN ATTACHMENT

SMCS-1302 **i02332029**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-3205**	8	BOLT-WASHER HEAD (3/8-16X1.75-IN)	



RIGHT SIDE VIEW

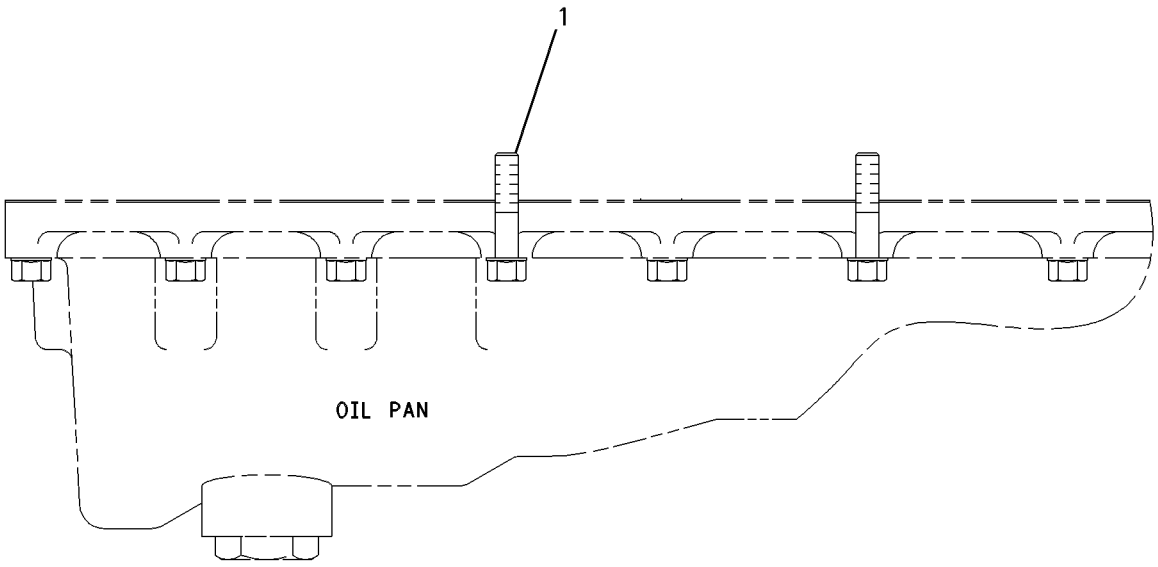
GRAPHIC #1 **<END>** g00731162

160-8329 FASTENER GP-OIL PAN

FOR USE WITH OIL COOLER
AN ATTACHMENT

SMCS-1302 **i02332037**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-3205**	2	BOLT-WASHER HEAD (3/8-16X1.75-IN)	



RIGHT SIDE VIEW

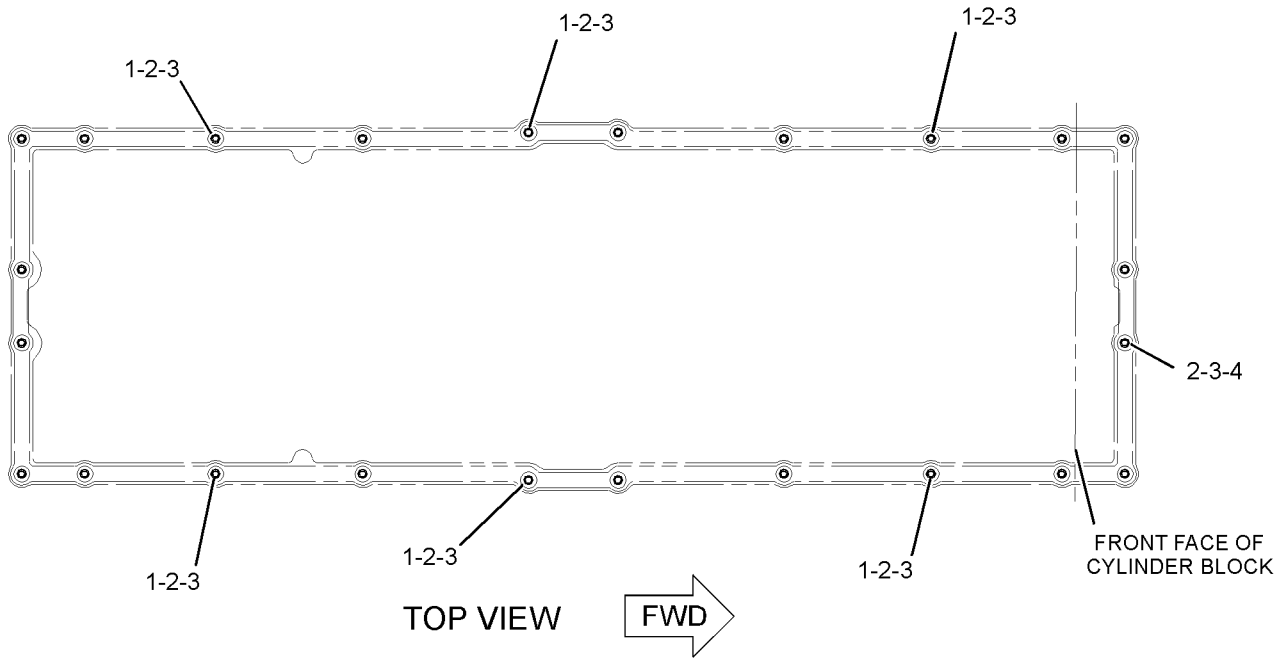
GRAPHIC #1 **<END>** g00539960

176-7008 FASTENER GP-OIL PAN

PROVIDES 3 STUDS ON RIGHT AND LEFT SIDE OF ENGINE
FOR USE WITH FRONT OR REAR SUMP
AN ATTACHMENT

SMCS-1302 **i02669649**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**238-4664**	7	STUD (3/8-16-THD)	
	2	1	**240-1614**	24	SLEEVE AS	
	3	1	**9L-9132**	24	WASHER (10.2X25.5X2.5-MM THK)	
	4	1	**0L-2070**	17	BOLT (3/8-16X2.25-IN)	



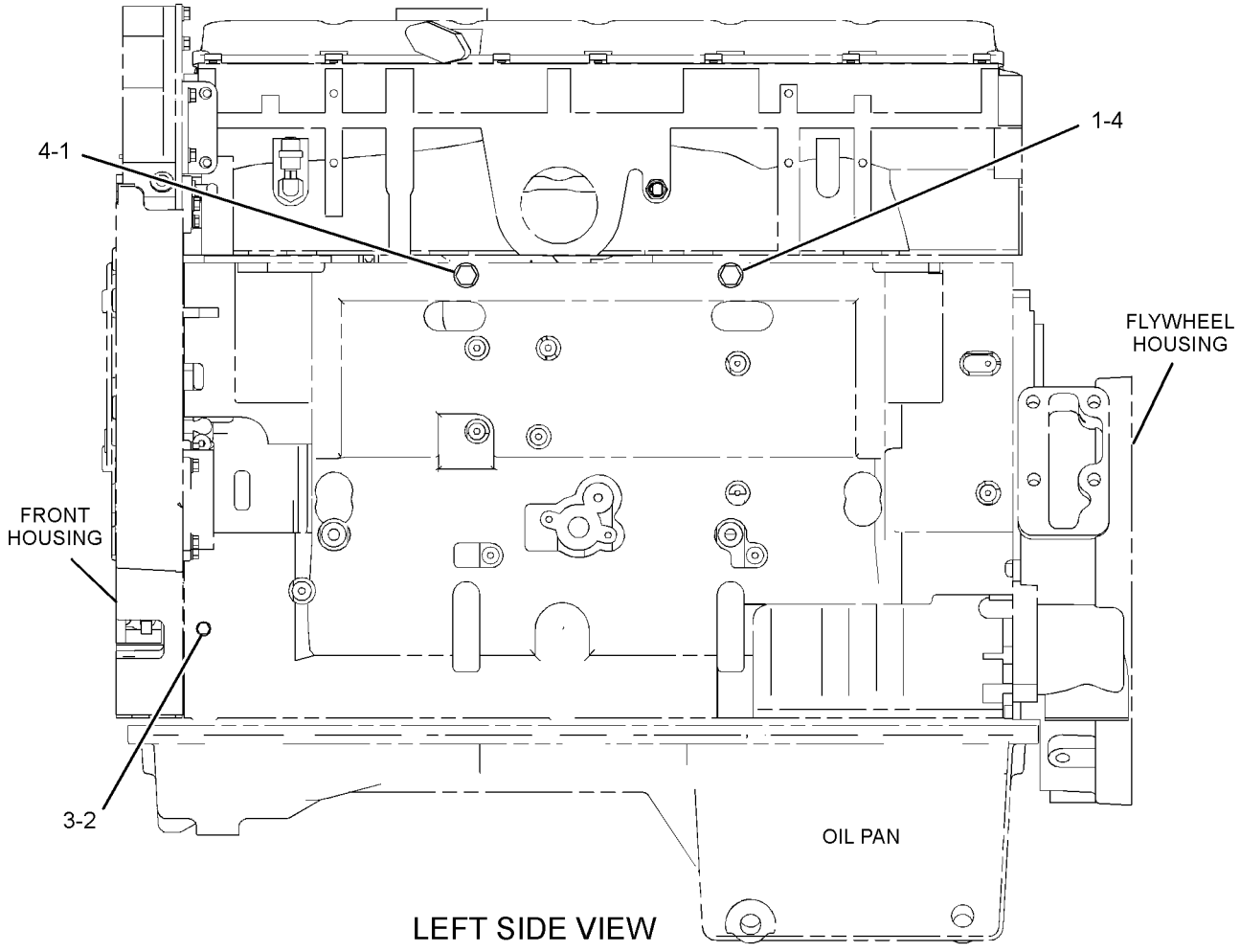
GRAPHIC #1 **<END>** g01343380

286-1106 FASTENER GP-SOUND SUPPRESSION

FOR USE WITH 223-9786—PAGE 1024. CANNOT BE USED WITH 285-0028—PAGE 859, 286-9120—PAGE 860, WATER SEPARATOR, LOW MOUNT FUEL LINES AN ATTACHMENT

SMCS-1801 **i02491794**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1576**	2	BOLT (5/8-18X2-IN)	
	2	1	**3B-1915**	1	BOLT (3/8-16X1.375-IN)	
	3	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**5P-8247**	2	WASHER-HARD (17X32X3.5-MM THK)	



LEFT SIDE VIEW

GRAPHIC #1

<END>

g01258818

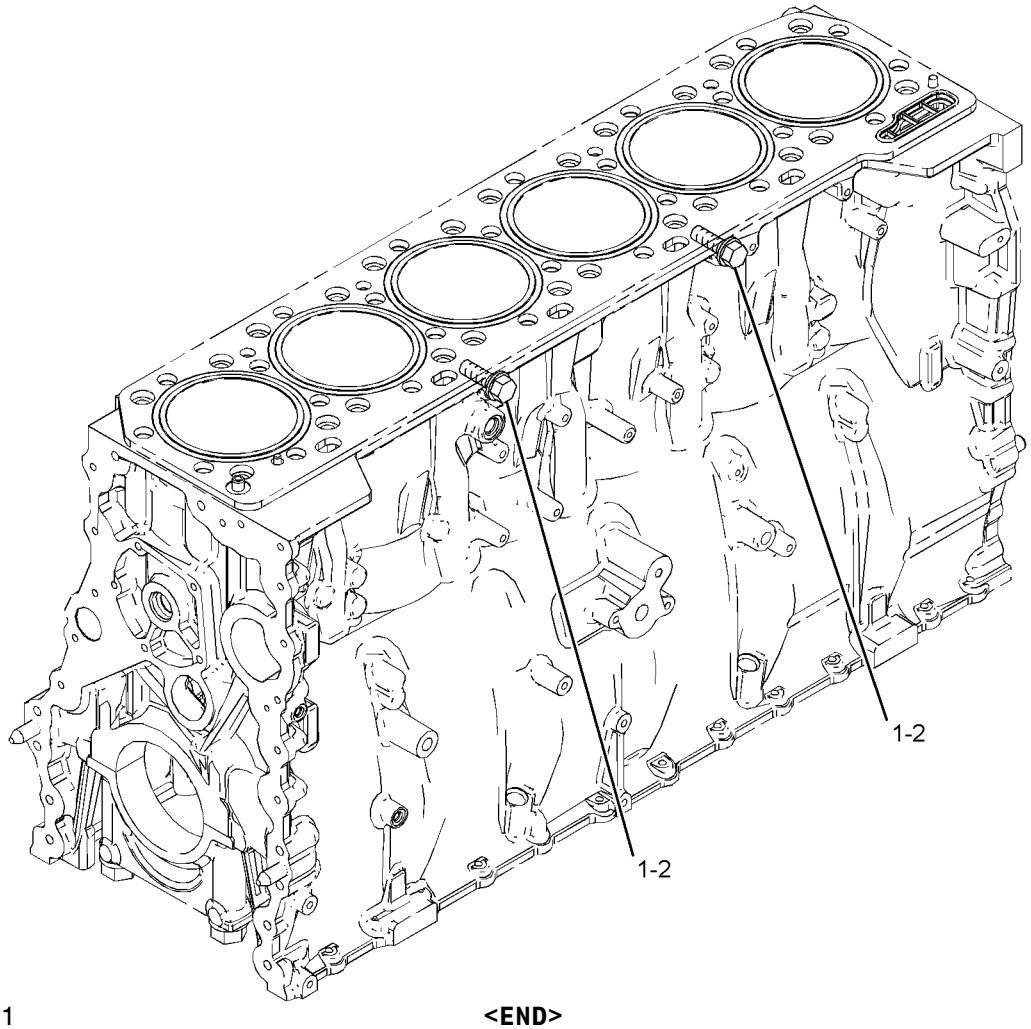
BASIC ENGINE

351-0588 FASTENER GP-SOUND SUPPRESSION

AN ATTACHMENT

SMCS-1801 **i03666081**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1576**	2	BOLT (5/8-18X2-IN)	
	2	1	**5P-8247**	2	WASHER-HARD (17X32X3.5-MM THK)	



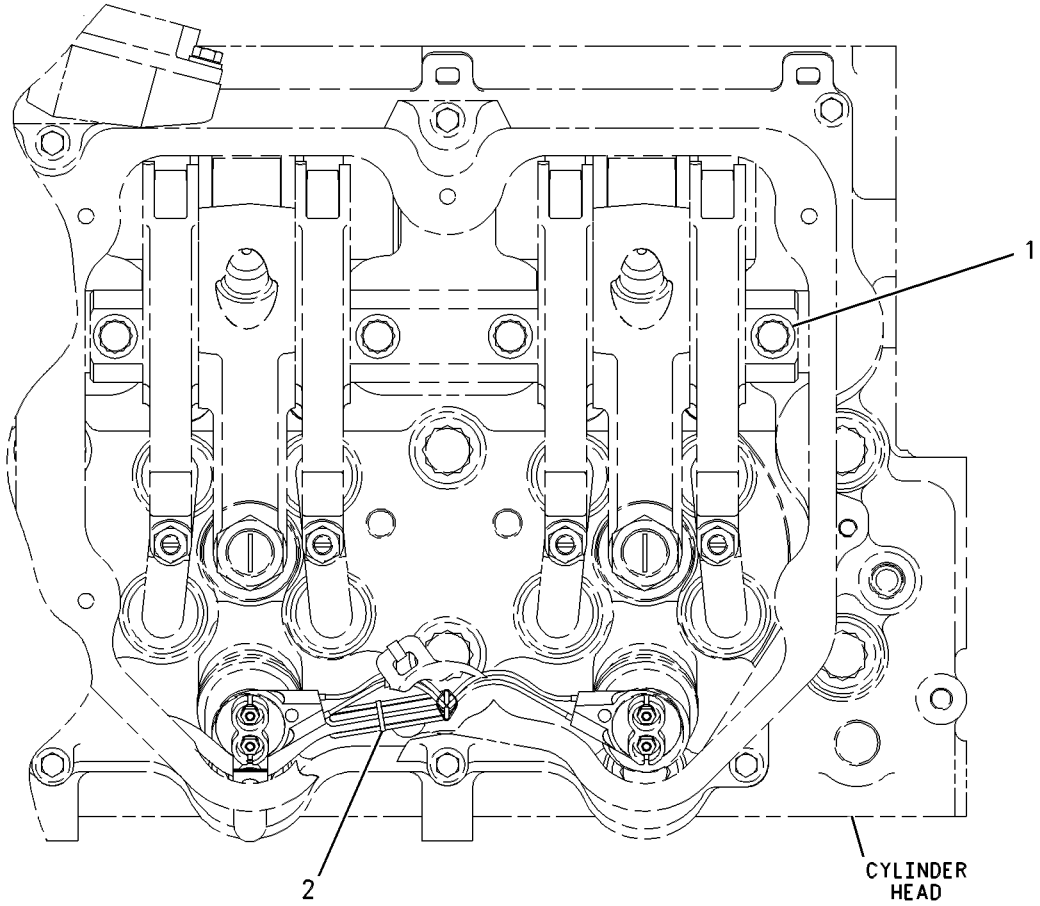
GRAPHIC #1 **<END>** g01980635

109-1657 FASTENER GP-VALVE MECHANISM

ALSO AN ATTACHMENT

SMCS-1102 **i01090405**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5J-5794**	12	BOLT (1/2-13X3.5-IN)	
	2	1	**8L-8413**	6	STRAP-CABLE	



TOP VIEW

GRAPHIC #1 **<END>** g00571205

BASIC ENGINE

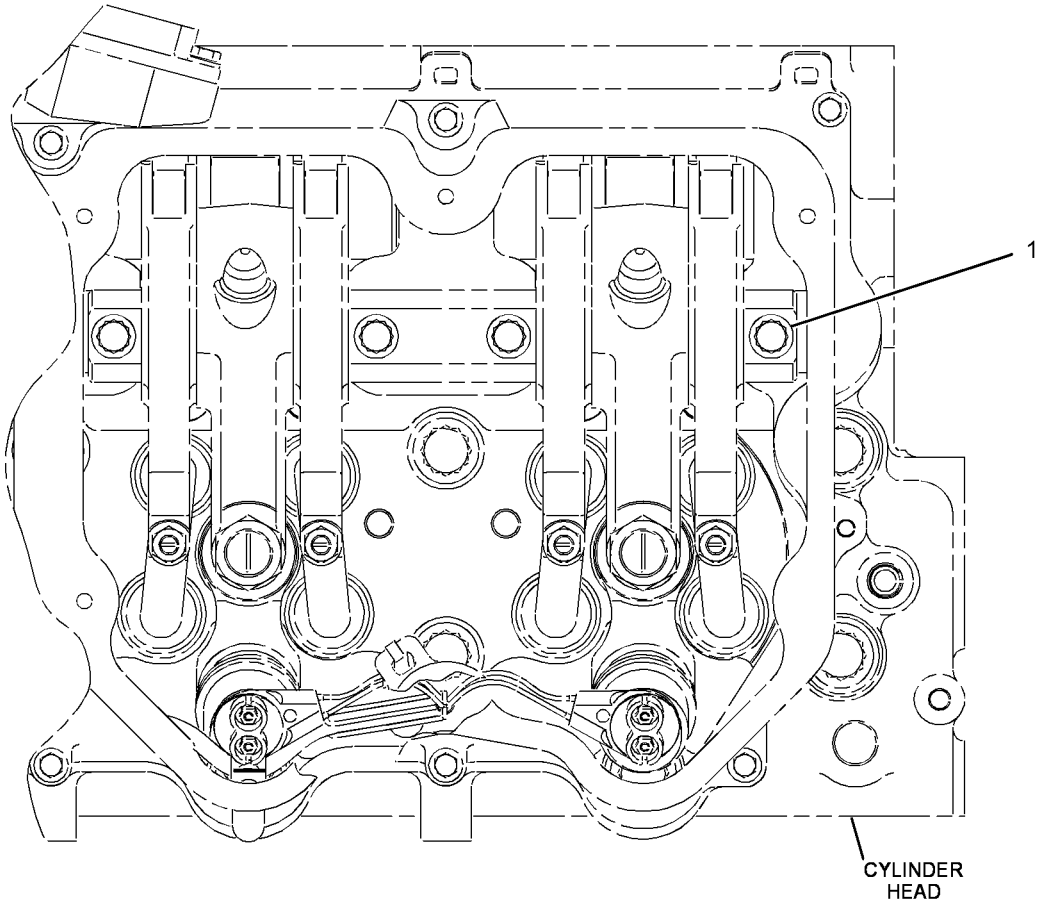
335-2317 FASTENER GP-VALVE MECHANISM

S/N: JRE10574-UP

PROVIDES MOUNTING BOLTS FOR TIER IV MECHANISM GROUP FOR USE WITH NON CAT BRAKE APPLICATIONS. CANNOT BE USED WITH CAT BRAKE APPLICATIONS

SMCS-1102 **i03607226**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5J-5794**	12	BOLT (1/2-13X3.5-IN)	



TOP VIEW

GRAPHIC #1 **<END>** g01932375

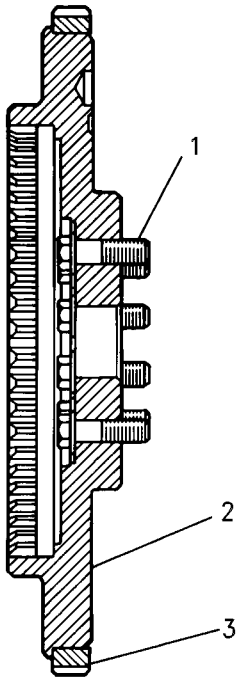
BASIC ENGINE

4P-6817 FLYWHEEL GP

AN ATTACHMENT

SMCS-1156 **i02899141**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1577**	12	BOLT (5/8-18X2.25-IN)	
		1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	2	1	**4P-6818**	1	FLYWHEEL AS	
	3	1	**4N-2514**	1	GEAR (113-TEETH)	



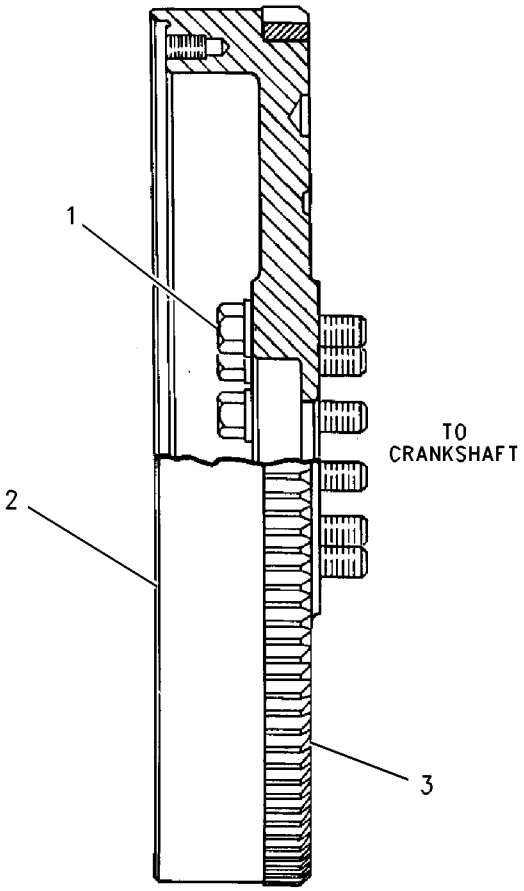
GRAPHIC #1 **<END>** g00594779

7N-3060 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1156 **i02727984**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1601**	12	BOLT (5/8-18X2.75-IN)	
		1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	2	1	**7W-1248**	1	FLYWHEEL AS	
	3	1	**4N-2514**	1	GEAR (113-TEETH)	



GRAPHIC #1 **<END>** g00768376

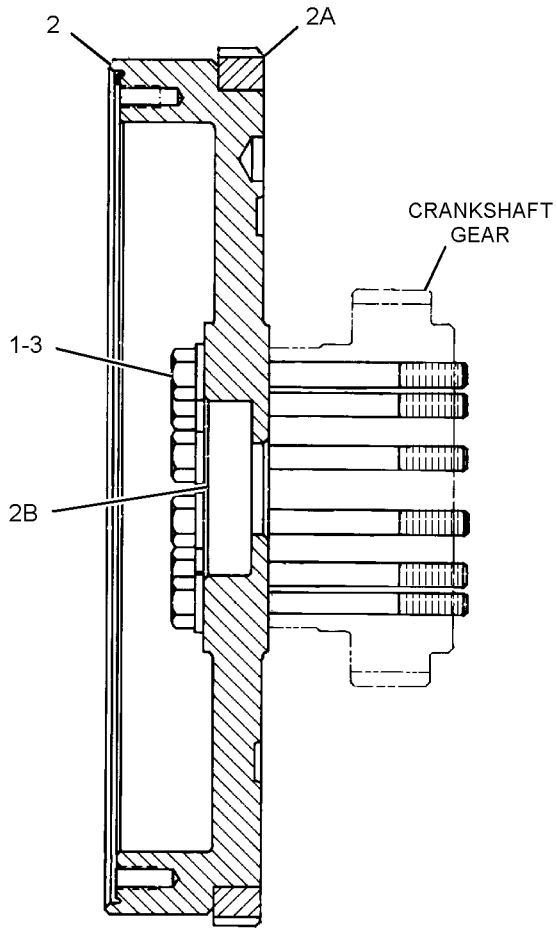
BASIC ENGINE

9E-4660 FLYWHEEL GP

FOR USE WITH 120-9128—PAGE 248
AN ATTACHMENT

SMCS-1156 **i02727237**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	2	1	**4W-7186**	1	FLYWHEEL AS	
	2A	1	**4N-2514**	1	GEAR (113-TEETH)	
	2B	1	**9N-2570**	1	BUSHING	
	3	1	**5L-2683**	12	BOLT (5/8-18X5.25-IN)	



GRAPHIC #1 **<END>** g01369714

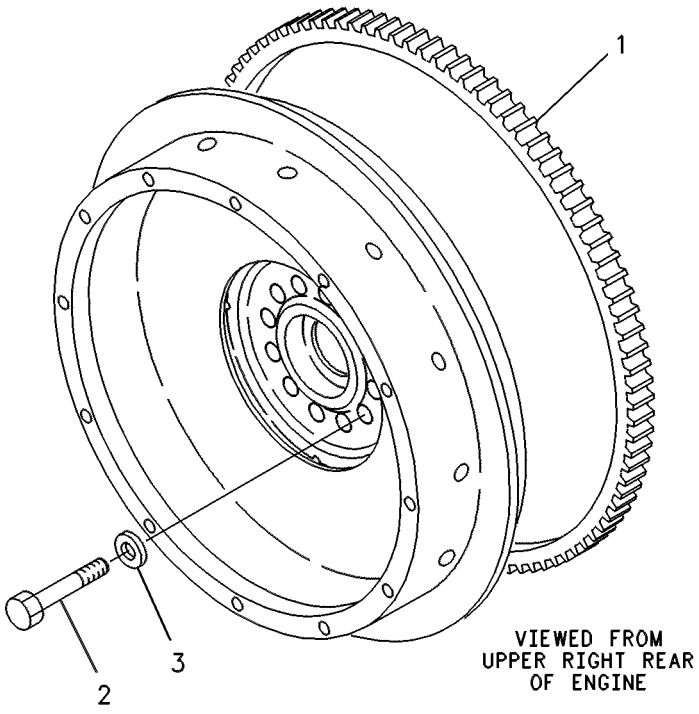
BASIC ENGINE

107-3825 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING, 14 INCH, 2 PLATE CLUTCH
AN ATTACHMENT

SMCS-1156 **i00769438**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-2648**	1	FLYWHEEL AS	
		1	**4N-2514**		GEAR (113 TEETH)	
	2	1	**0S-1576**	12	BOLT (5/8-18X2IN)	
	3	1	**4D-3704**	12	WASHER-HARD (5MM THK)	



GRAPHIC #1 **<END>** g00238053

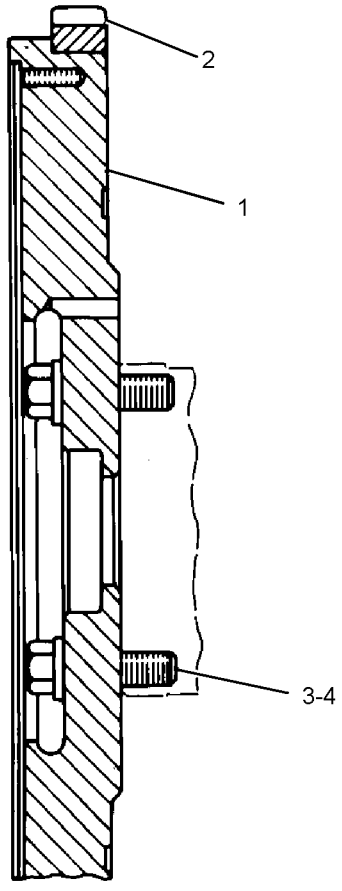
107-3847 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING, 15.5-INCH CLUTCH
AN ATTACHMENT

SMCS-1156 **i03196481**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**125-0157**	1	FLYWHEEL AS	
	2	1	**4N-2514**	1	GEAR (113-TEETH)	
	3	1	**0S-1576**	12	BOLT (5/8-18X2-IN)	
	4	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01628320

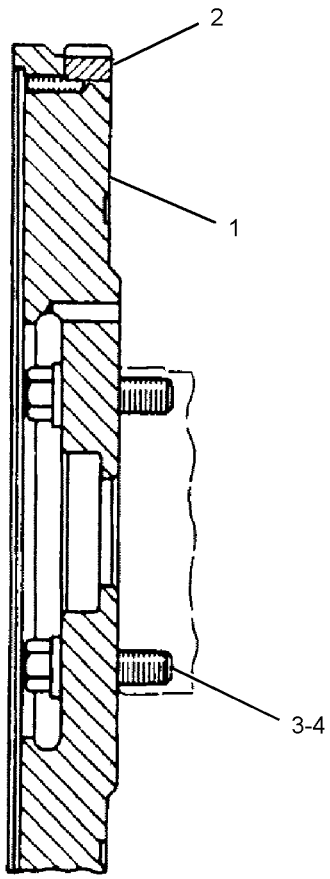
BASIC ENGINE

107-3848 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING, 17 INCH DIAPHRAGM SPRING CLUTCH AN ATTACHMENT

SMCS-1156 **i03196483**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-8169**	1	FLYWHEEL AS	
	2	1	**4N-2514**		GEAR (113-TEETH)	
	3	1	**0S-1576**	12	BOLT (5/8-18X2-IN)	
	4	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



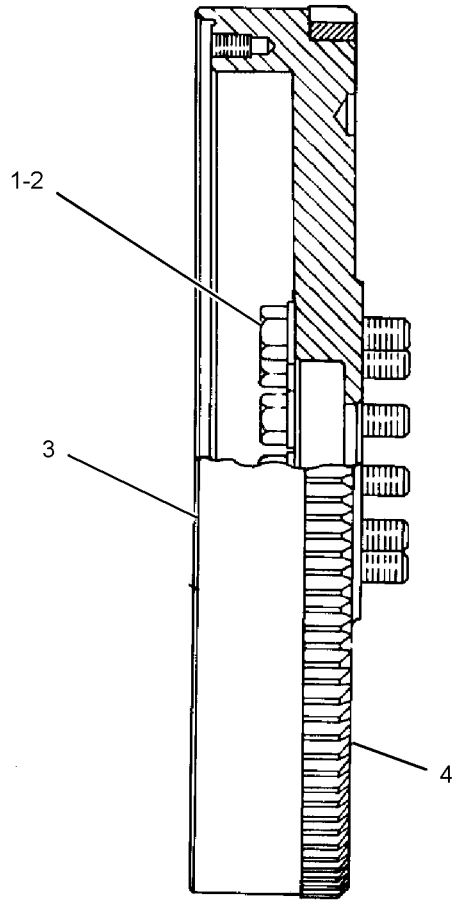
GRAPHIC #1 **<END>** g01628318

113-7059 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING, TORQUE CONVERTER WITHOUT CLUTCH AN ATTACHMENT

SMCS-1156 **i03196484**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1577**	12	BOLT (5/8-18X2.25-IN)	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**6N-1301**	1	FLYWHEEL AS	
	4	1	**4N-2514**	1	GEAR (113-TEETH)	



GRAPHIC #1 **<END>** g01628356

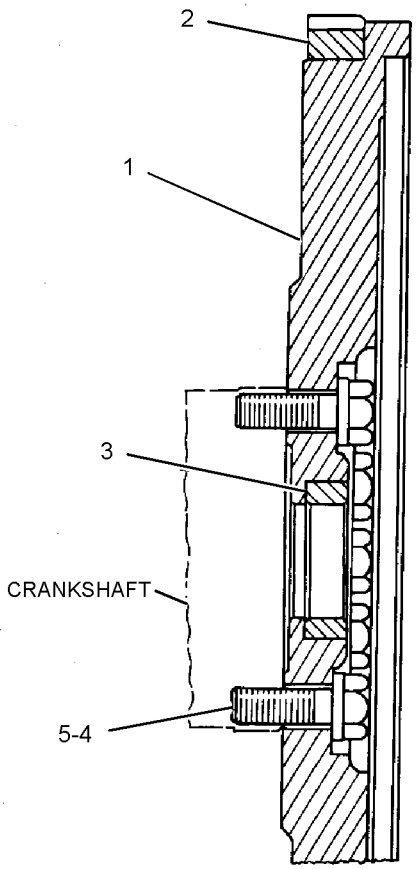
BASIC ENGINE

113-7060 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1156 **i03196485**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-7186**	1	FLYWHEEL AS	
	2	1	**4N-2514**	1	GEAR (113-TEETH)	
	3	1	**9N-2570**	1	BUSHING	
	4	1	**0S-1576**	12	BOLT (5/8-18X2-IN)	
	5	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



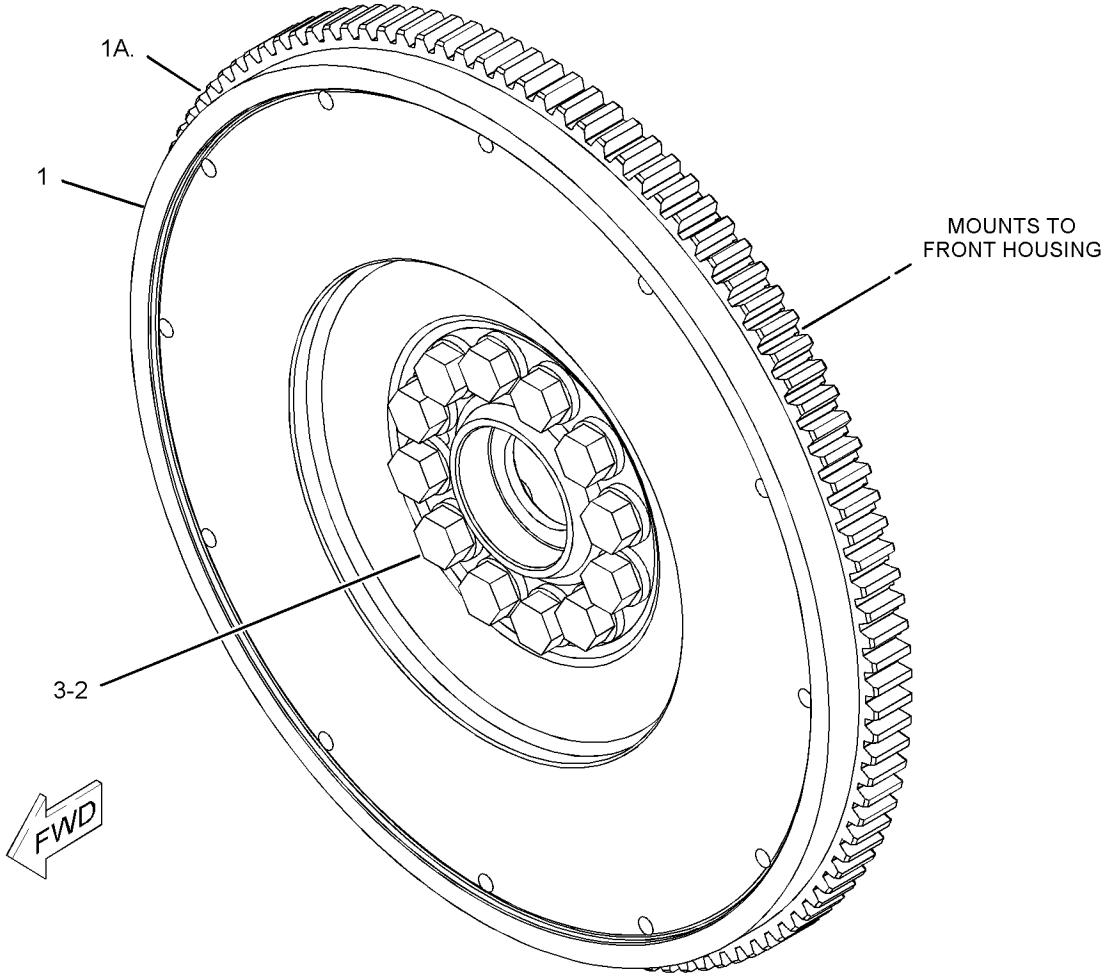
GRAPHIC #1 **<END>** g01628353

114-1927 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING , 15.5-INCH, 7 SPRING CLUTCH
AN ATTACHMENT

SMCS-1156 **i02171602**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**256-9653**	1	FLYWHEEL AS	
	1A	1	**256-9651**	1	GEAR-FLYWHEEL (113-TEETH)	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**5B-0841**	12	BOLT (5/8-18X1.75-IN)	



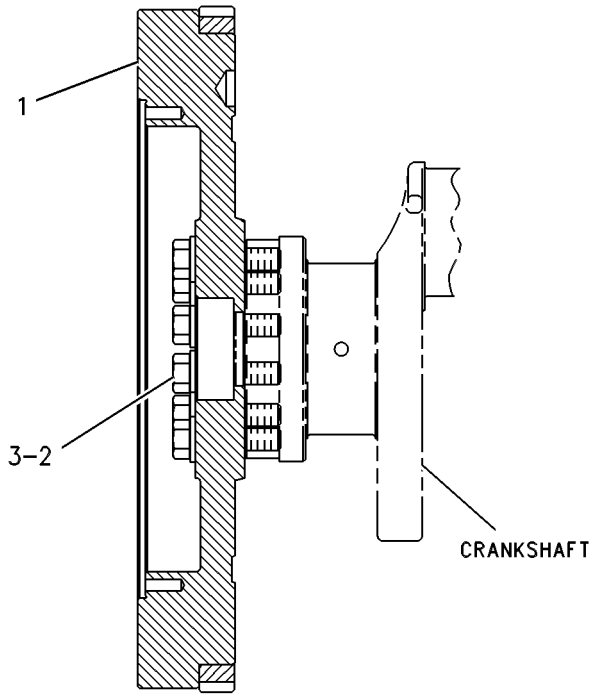
GRAPHIC #1 **<END>** g01055178

122-1227 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1156 **i02332133**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-8803**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**0S-1600**	12	BOLT (5/8-18X2.5-IN)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



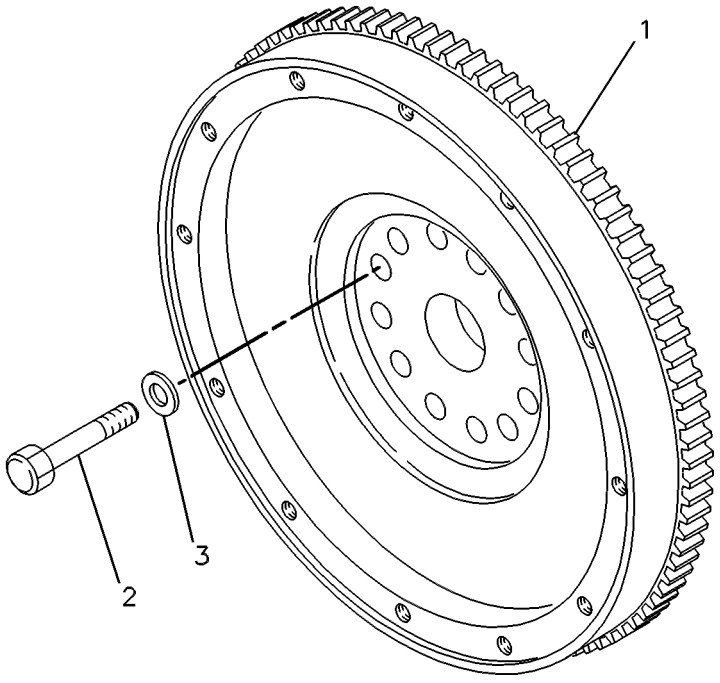
GRAPHIC #1 **<END>** g00252273

136-2613 FLYWHEEL GP

REQUIRES TWIN DISC TORQUE CONVERTER
FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1156 **i02332156**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-1283**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**0S-1576**	12	BOLT (5/8-18X2-IN)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



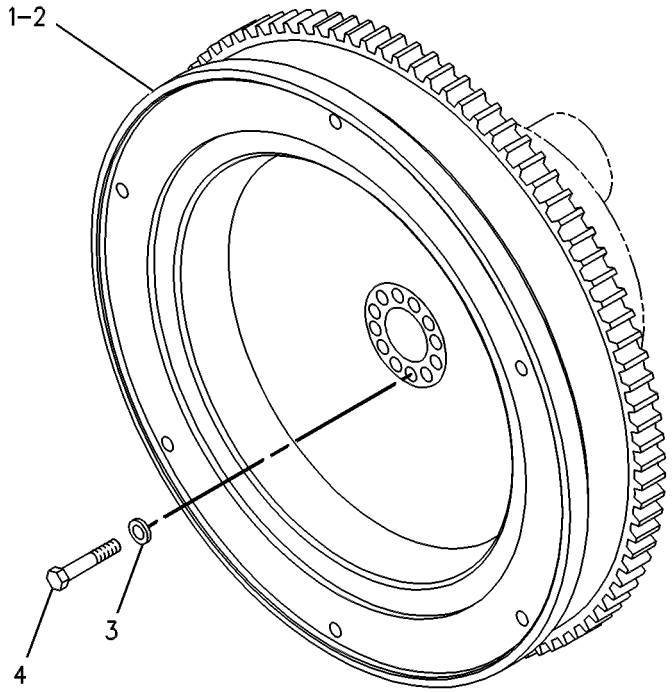
GRAPHIC #1 **<END>** g00271001

136-2614 FLYWHEEL GP

FOR USE WITH SAE NO. 0 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1156 **i02332160**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-1250**	1	FLYWHEEL AS	
	2	1	**8M-6755**	1	GEAR-FLYWHEEL (136-TEETH)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	4	1	**0S-1602**	12	BOLT (5/8-18X3.5-IN)	



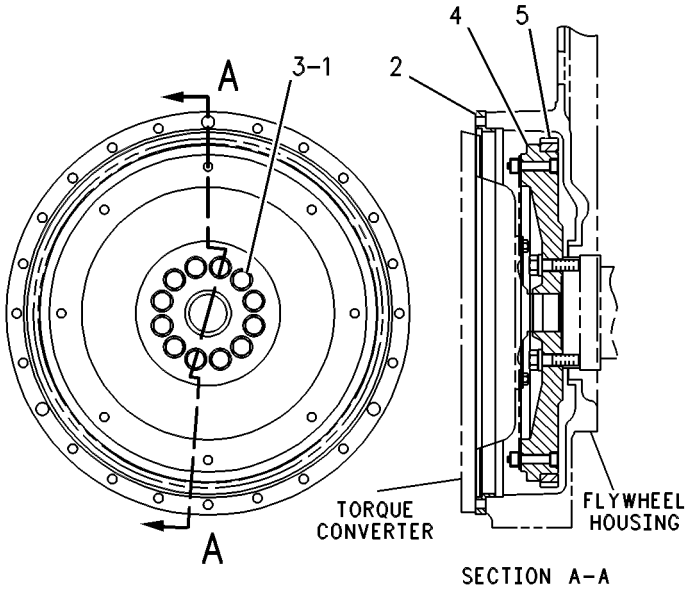
GRAPHIC #1 **<END>** g00262124

145-1335 FLYWHEEL GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING AND TORQUE CONVERTER WITH A FLEX PLATE CONNECTION
AN ATTACHMENT

SMCS-1156 **i02332169**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	2	1	**133-5554**	1	ADAPTER-FLYWHEEL HOUSING	
	3	1	**0S-1577**	12	BOLT (5/8-18X2.25-IN)	
	4	1	**126-8268**	1	FLYWHEEL AS	
	5	1	**4N-2514**	1	GEAR (113-TEETH)	



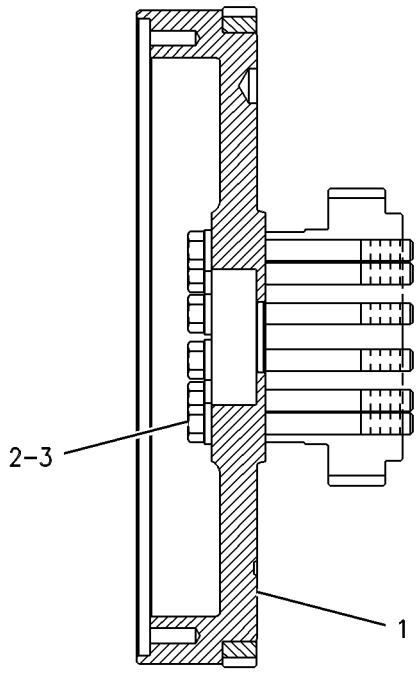
GRAPHIC #1 **<END>** g00256980

147-6284 FLYWHEEL GP

FOR USE WITH 147-3754—PAGE 233
AN ATTACHMENT

SMCS-1156 **i02332183**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-1248**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**2B-6030**	12	BOLT (5/8-18X6-IN)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



GRAPHIC #1 **<END>** g00292396

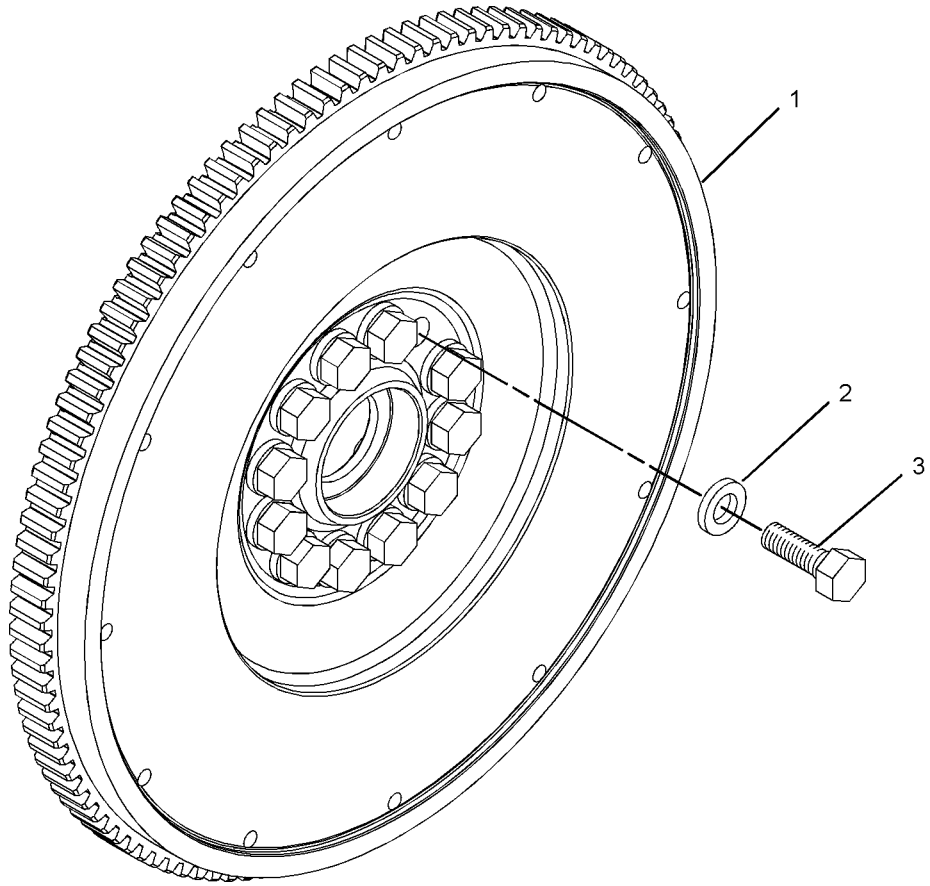
154-6189 FLYWHEEL GP

FOR USE WITH SAE NO.1 OR 16 INCH FLYWHEEL HOUSING , SPICER 15.5 INCH (394-MM), 7 SPRING CLUTCH
AN ATTACHMENT

SMCS-1156 **i02415483**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**256-9653**	1	FLYWHEEL AS	
		1	**256-9651**	1	GEAR-FLYWHEEL (113-TEETH)	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**5B-0841**	12	BOLT (5/8-18X1.75-IN)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01084434

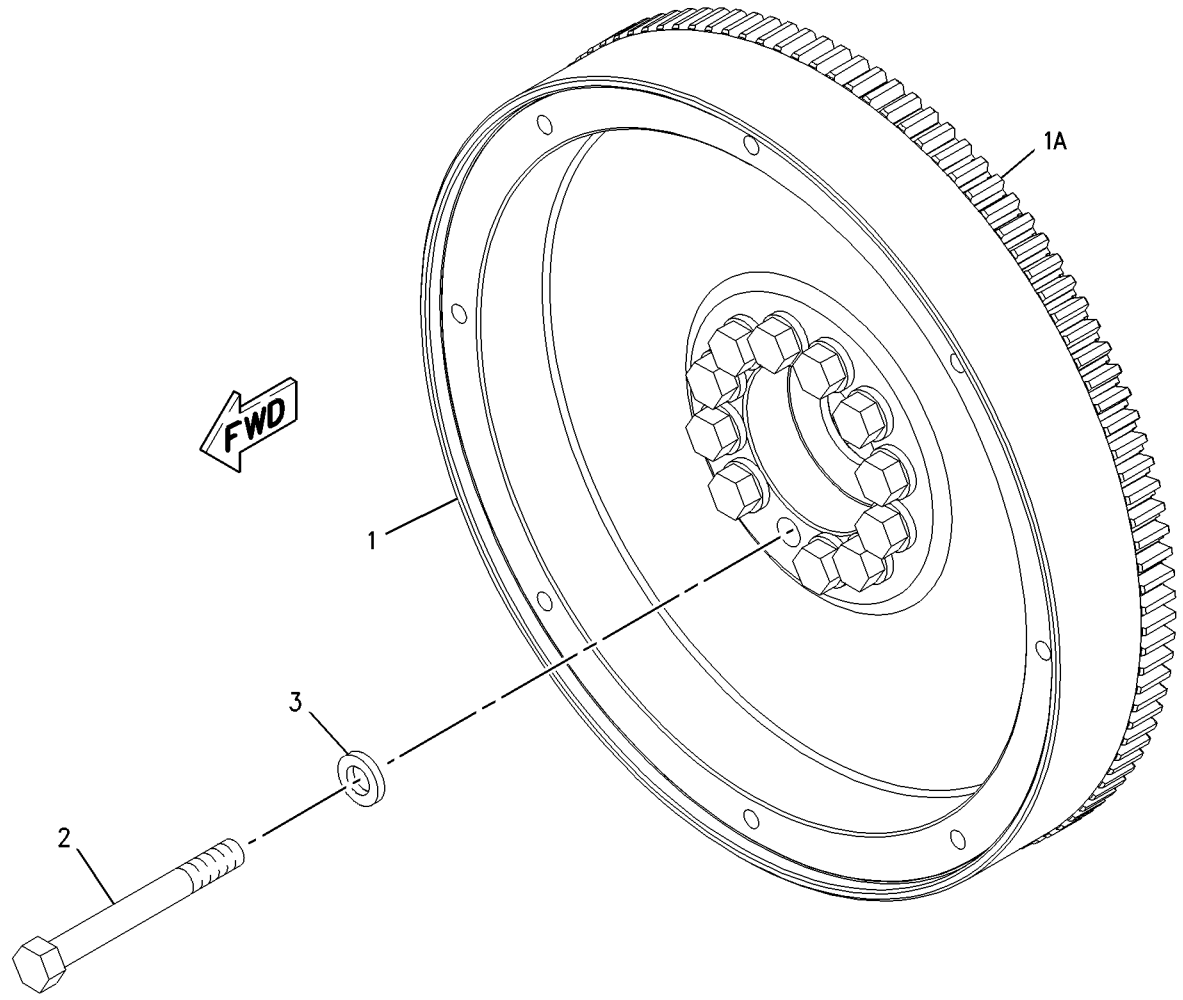
BASIC ENGINE

230-9099 FLYWHEEL GP

FOR USE WITH 219-0626—PAGE 175
AN ATTACHMENT

SMCS-1156 **i02656305**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-1248**	1	FLYWHEEL AS	
	1A	1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**1B-7538**	12	BOLT (5/8-18X5.75-IN)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



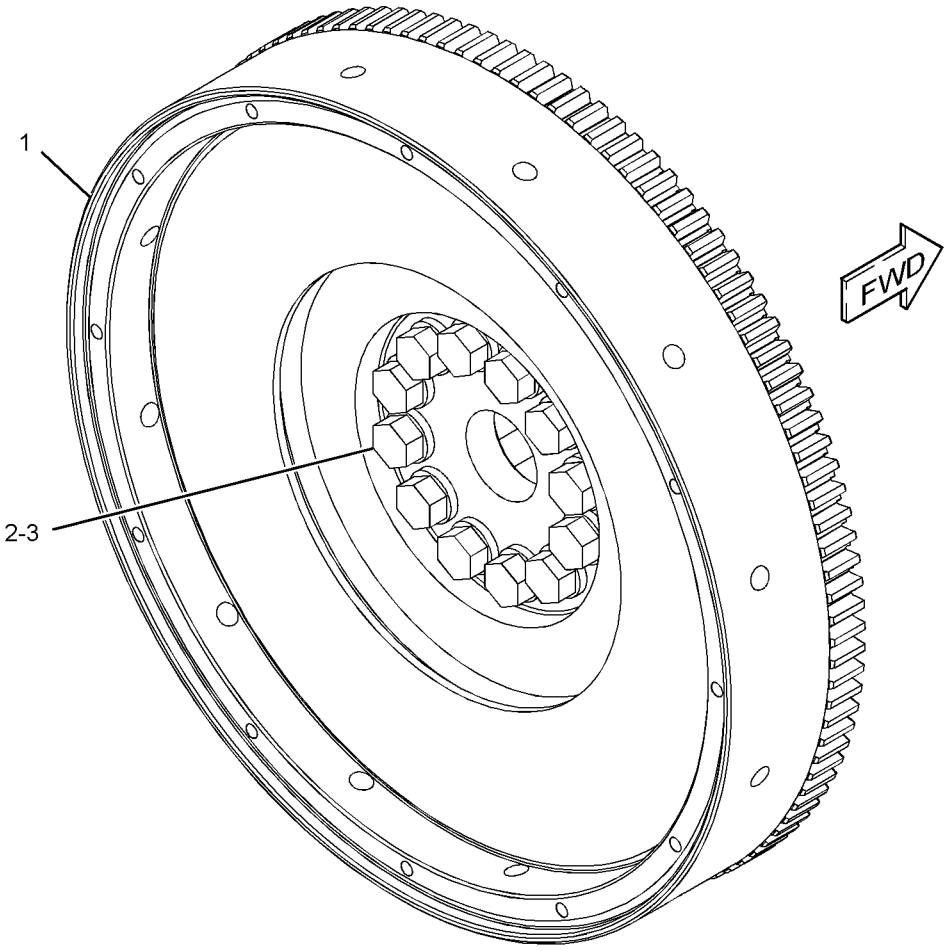
GRAPHIC #1 **<END>** g00984669

236-9868 FLYWHEEL GP

FOR USE WITH TWIN DISC OR TORQUE CONVERTER WITH CLUTCH, REAR GEAR GP, 219-0626—PAGE 175
AN ATTACHMENT

SMCS-1156 **i02311113**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-1283**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**6F-7024**	12	BOLT (5/8-18X5-IN)	



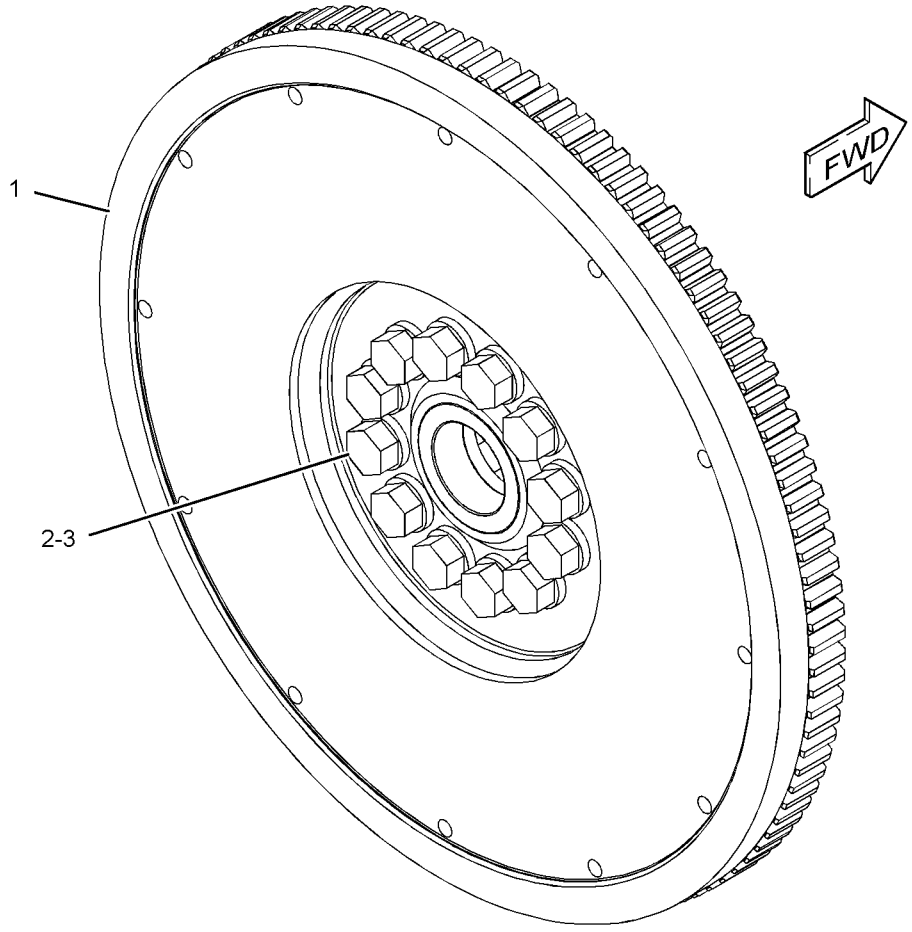
GRAPHIC #1 **<END>** g01158091

236-9869 FLYWHEEL GP

FOR USE WITH REAR GEAR GP, 219-0626—PAGE 175, TORQUE CONVERTER
AN ATTACHMENT

SMCS-1156 **i02311156**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-7186**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
		1	**9N-2570**	1	BUSHING	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**6F-7024**	12	BOLT (5/8-18X5-IN)	



GRAPHIC #1 **<END>** g01158231

BASIC ENGINE

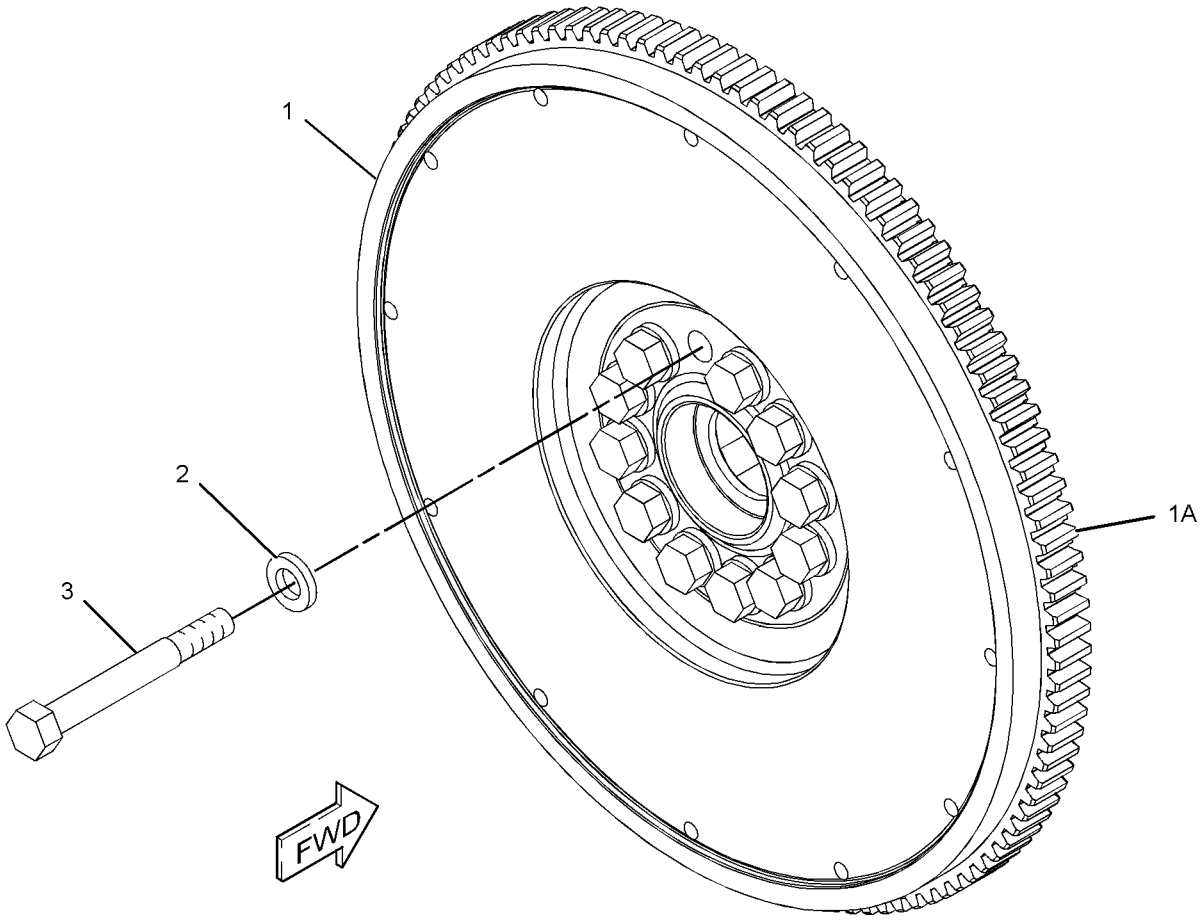
236-9870 FLYWHEEL GP

FOR USE WITH REAR GEAR GP, 219-0626—PAGE 175, TWO PLATE CLUTCH
AN ATTACHMENT

SMCS-1156 **i02311162**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**125-0157**	1	FLYWHEEL AS	
	1A	1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**6F-7024**	12	BOLT (5/8-18X5-IN)	

R-REMFG PART MAY BE AVAILABLE



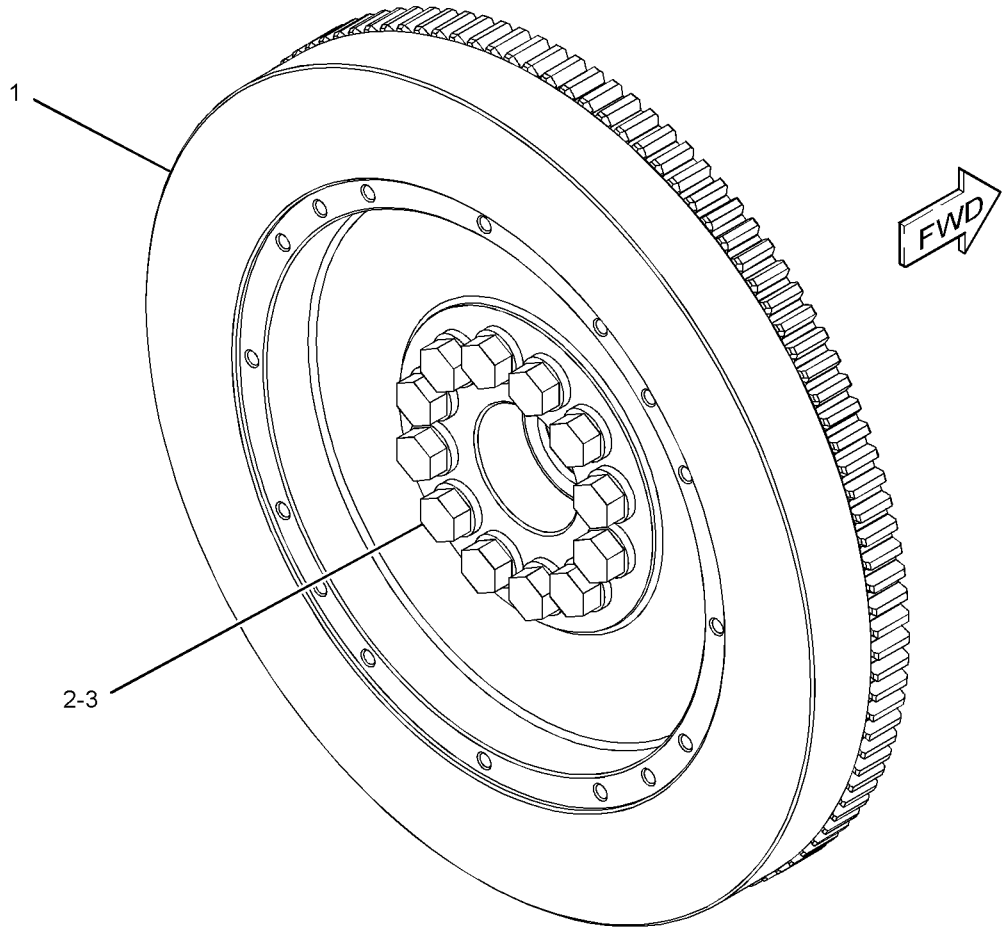
GRAPHIC #1 **<END>** g01158101

236-9871 FLYWHEEL GP

FOR USE WITH REAR GEAR GP, 219-0626—PAGE 175, 292-MM (11.5-IN) OVER CENTER CLUTCH WITH 72-MM (2.835-IN) DIAMETER PILOT BEARING AN ATTACHMENT

SMCS-1156 **i02311258**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-8803**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**2A-2814**	12	BOLT (5/8-18X5.5-IN)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



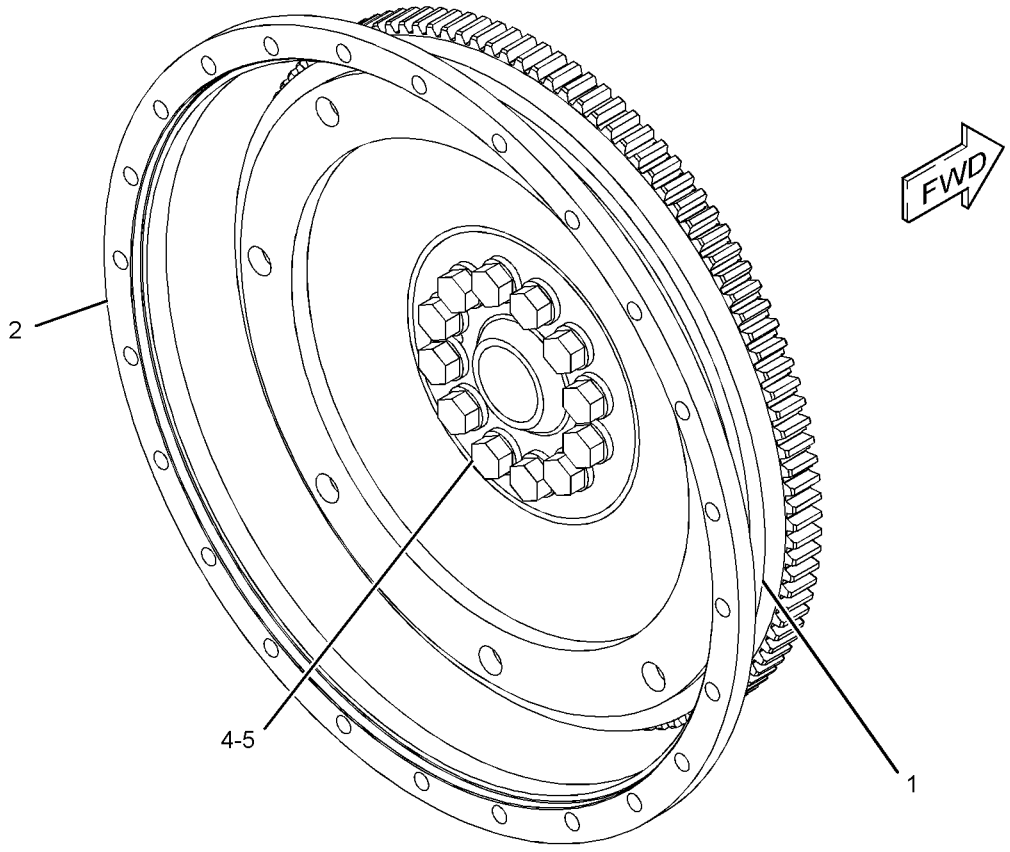
GRAPHIC #1 **<END>** g01158099

236-9872 FLYWHEEL GP

FOR USE WITH REAR GEAR GP, 219-0626—PAGE 175, 406.4-MM (16-IN) FLEX PLATE DRIVE
AN ATTACHMENT

SMCS-1156 **i02311261**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**126-8268**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**133-5554**	1	ADAPTER-FLYWHEEL HOUSING	
	4	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	5	1	**5L-2683**	12	BOLT (5/8-18X5.25-IN)	



GRAPHIC #1 **<END>** g01158095

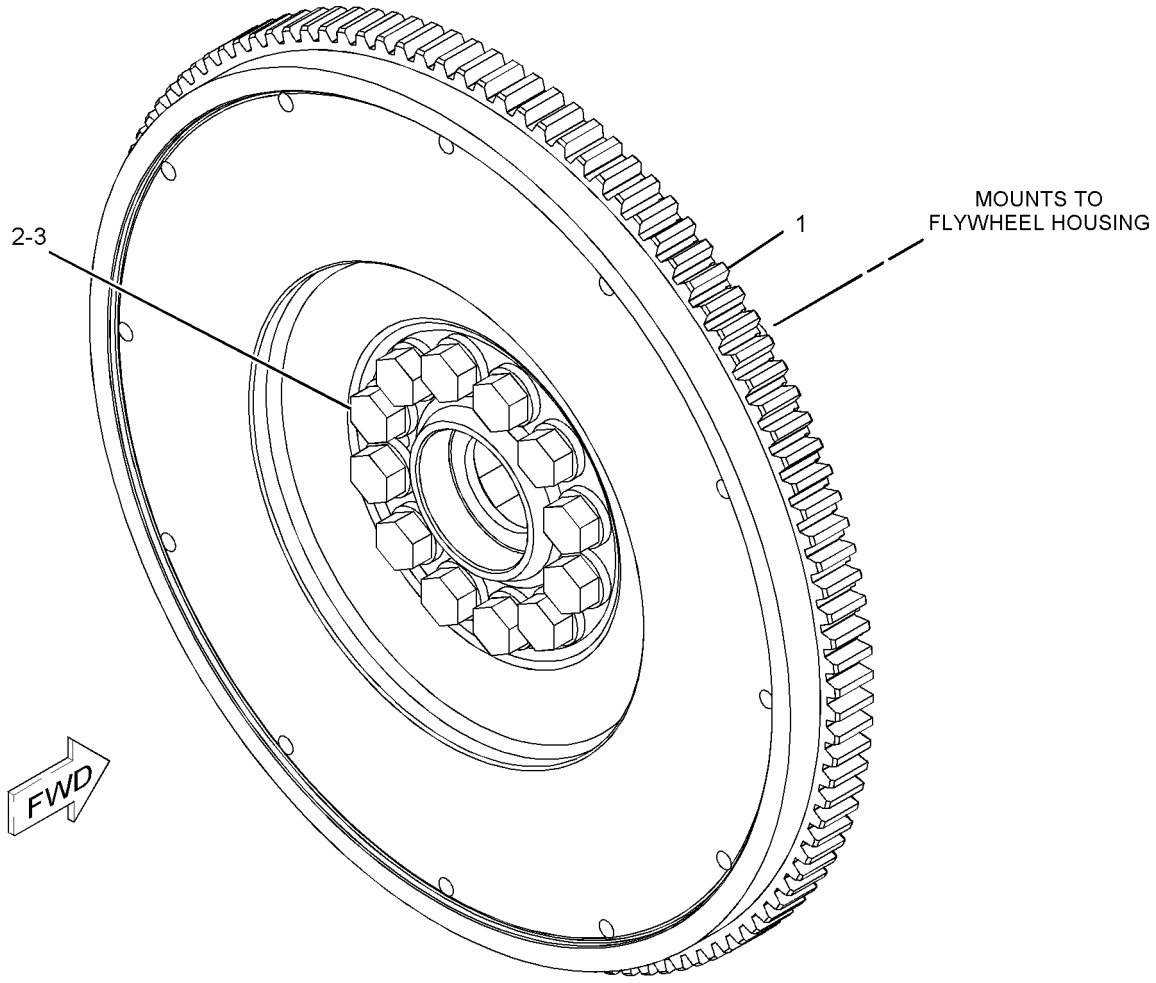
252-5514 FLYWHEEL GP

FOR USE WITH 147-3754—PAGE 233, SPICER 15.5-INCH (394-MM) 7-SPRING CLUTCH AN ATTACHMENT

SMCS-1156 **i02224967**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**256-9653**	1	FLYWHEEL AS	
		1	**256-9651**	1	GEAR-FLYWHEEL (113-TEETH)	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**5L-2683**	12	BOLT (5/8-18X5.25-IN)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01077575

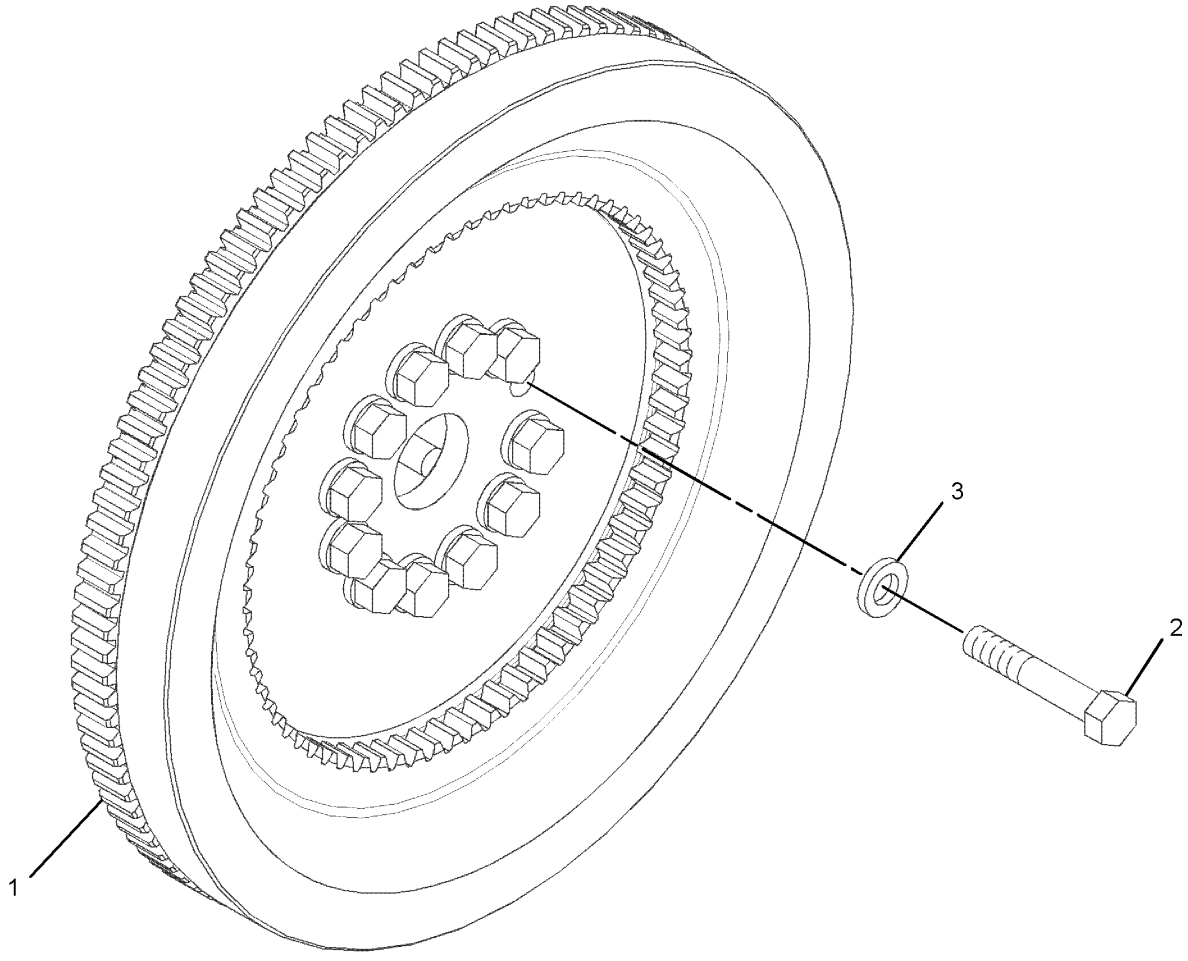
BASIC ENGINE

273-6561 FLYWHEEL GP

AN ATTACHMENT

SMCS-1156 **i02733468**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**273-6559**	1	FLYWHEEL AS	
		1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**0S-1602**	12	BOLT (5/8-18X3.5-IN)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



GRAPHIC #1 **<END>** g01372764

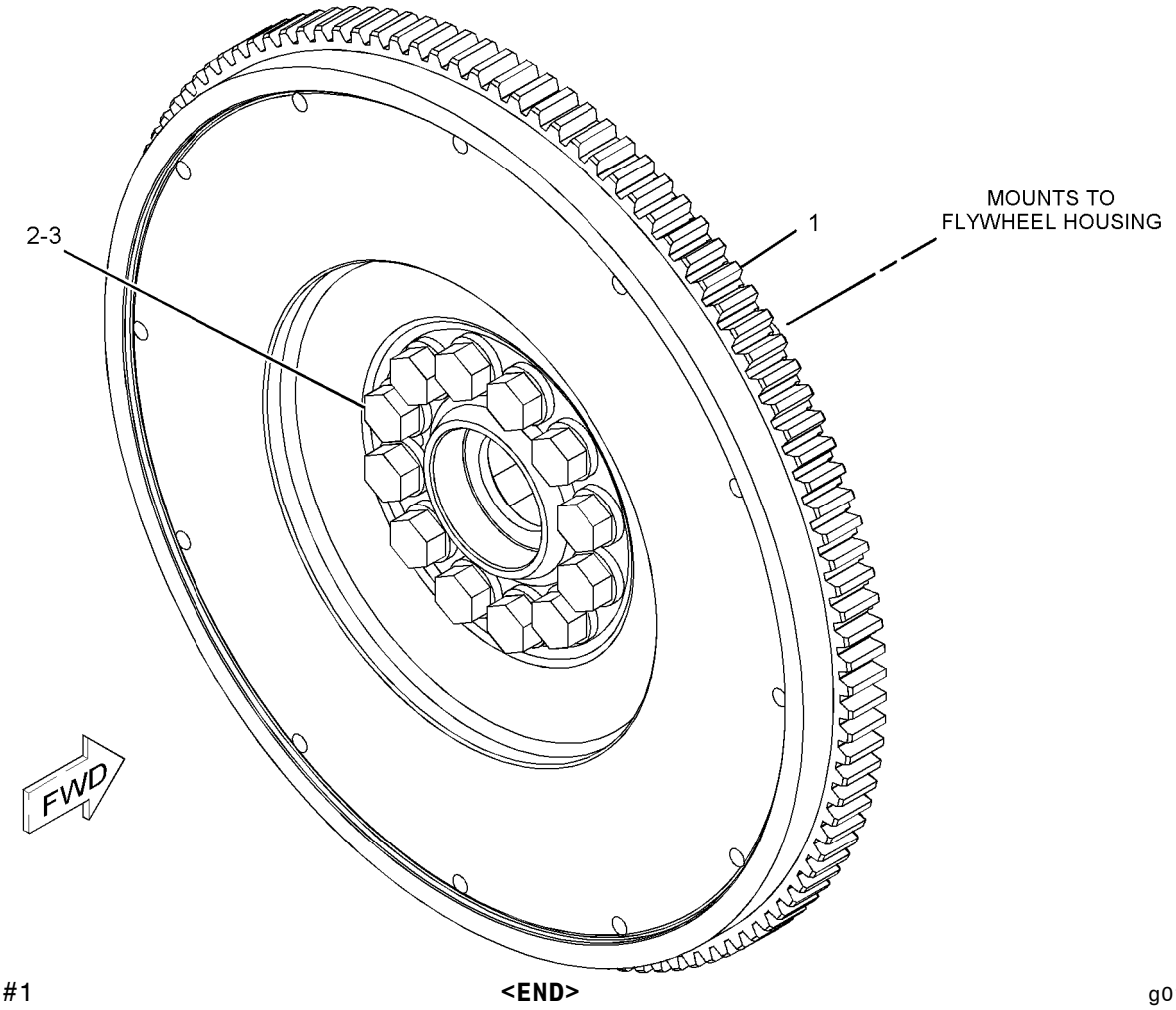
276-2548 FLYWHEEL GP

FOR USE WITH DUAL RPTO APPLICATION
AN ATTACHMENT

SMCS-1156 **i02364747**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**256-9653**	1	FLYWHEEL AS	
		1	**256-9651**	1	GEAR-FLYWHEEL (113-TEETH)	
	2	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	
	3	1	**1A-3203**	12	BOLT (5/8-18X4.75-IN)	

R-REMFG PART MAY BE AVAILABLE



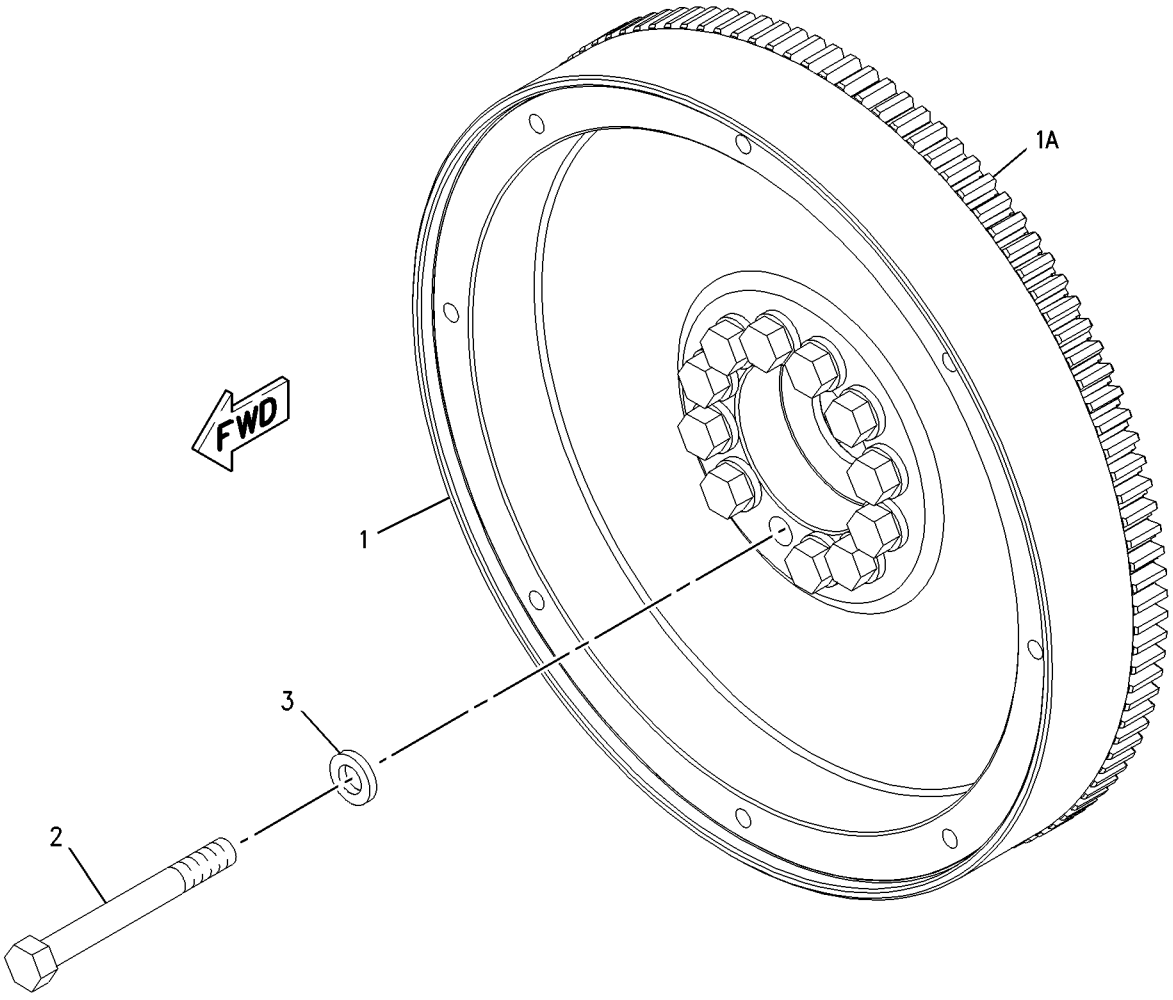
GRAPHIC #1 **<END>** g01077575

349-5290 FLYWHEEL GP

AN ATTACHMENT

SMCS-1156 **i03666044**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**195-0313**	1	FLYWHEEL AS	
	1A	1	**4N-2514**	1	GEAR (113-TEETH)	
	2	1	**1B-7538**	12	BOLT (5/8-18X5.75-IN)	
	3	1	**4D-3704**	12	WASHER-HARD (17X30X5-MM THK)	



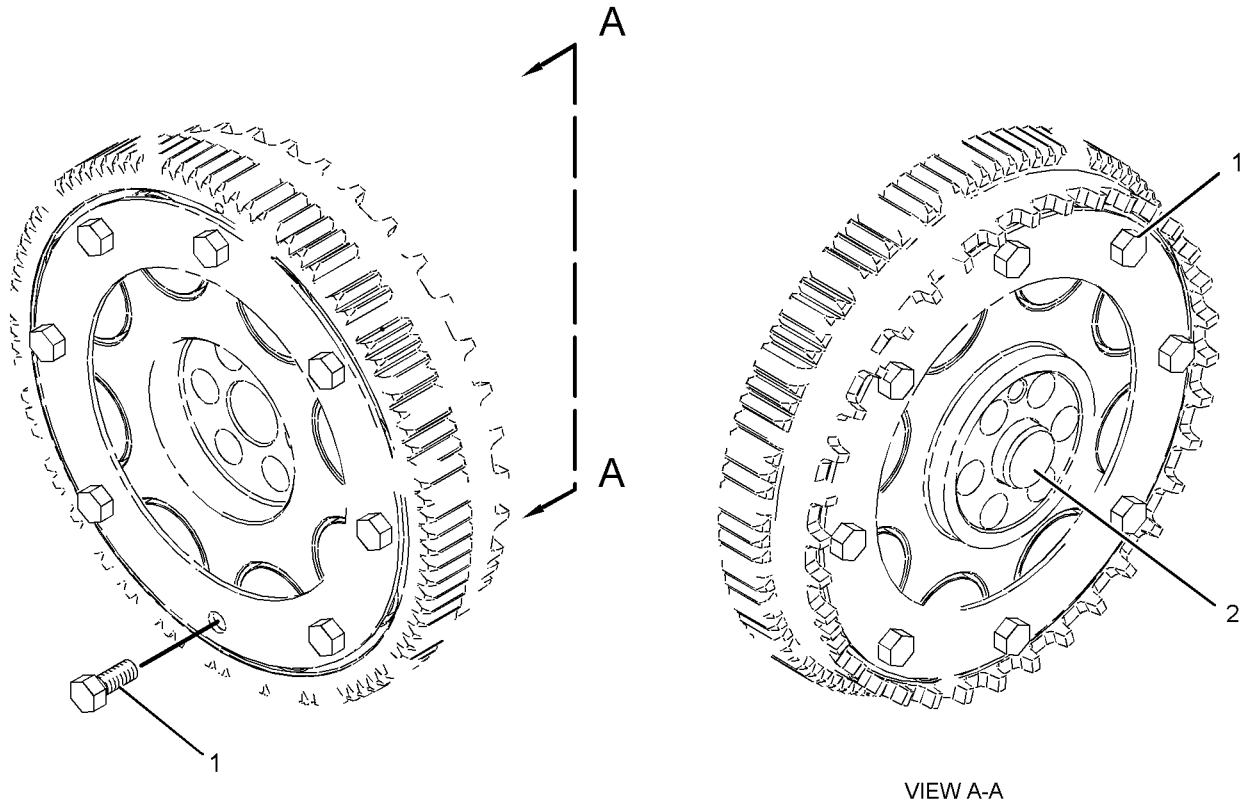
GRAPHIC #1 **<END>** g00984669

204-9316 GEAR GP-CAMSHAFT

S/N: JRE106-UP
96-TEETH
PART OF 208-9490 GEAR GP-FRONT
ALSO AN ATTACHMENT

SMCS-1212 **i02758303**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-8872**	16	BOLT-LOCKING (3/8-16X0.875-IN)	
	2	1	**103-0126**	1	DOWEL	



VIEW A-A

GRAPHIC #1 **<END>** g01381153

208-9490 GEAR GP-FRONT

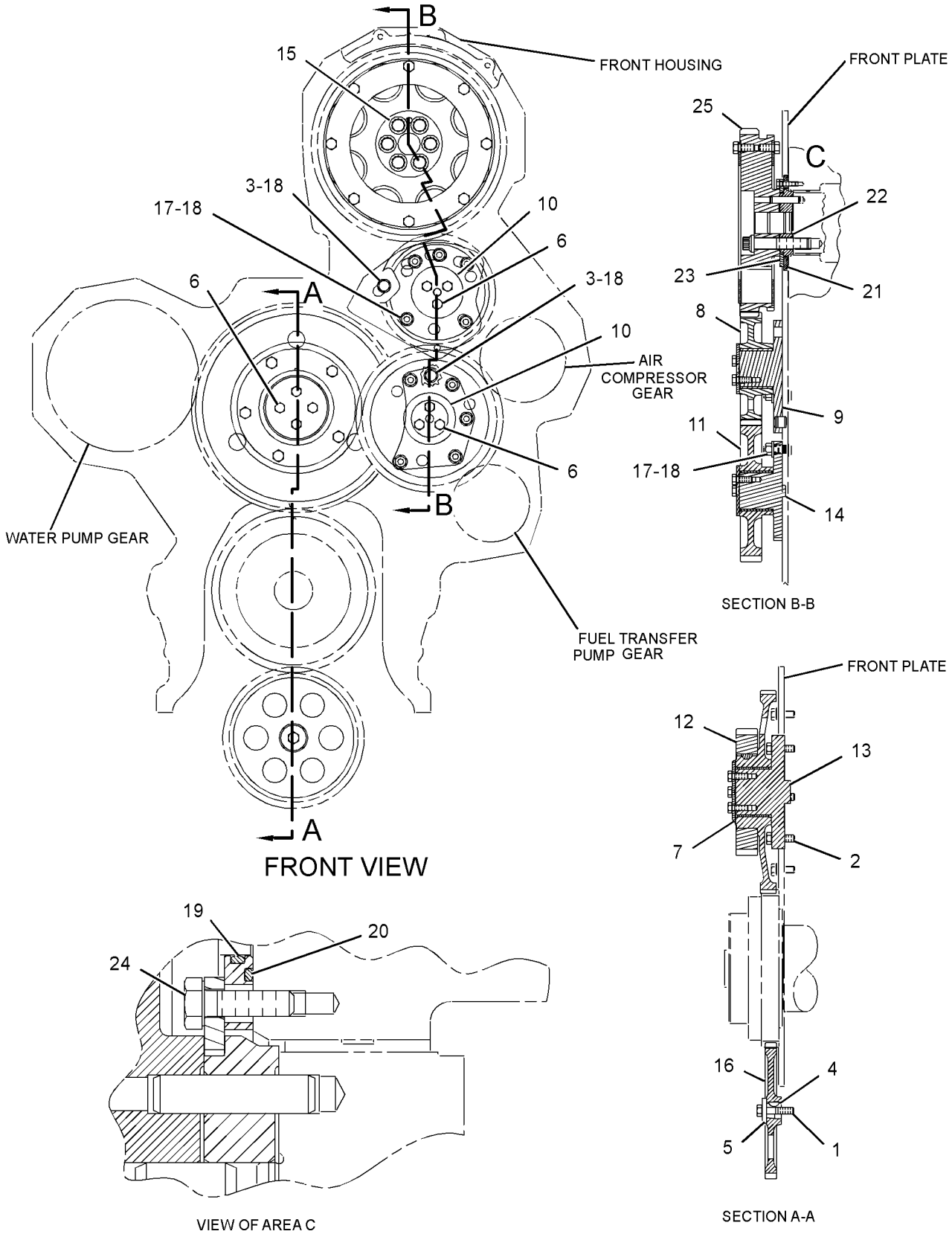
ALSO AN ATTACHMENT

SMCS-1151, 1162, 1206 **i02758309**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	2	1	**2J-3118**	5	BOLT-LOCKING (3/8-16X1.25-IN)	
	3	1	**5P-4142**	2	BOLT-LOCKING (3/8-16X1.5-IN)	
	4	1	**1B-8705**	1	KEY-WOODRUFF	
	5	1	**1P-7346**	1	WASHER-HARD (10.2X35X6-MM THK)	
	6	1	**126-1756**	10	BOLT-LOCKING (5/16-18X0.875-IN)	
	7	1	**112-9217**	1	PLATE-THRUST	
	8	1	**130-4701**	1	GEAR AS (56-TEETH)	
		1	**130-4698**	1	BEARING-SLEEVE	
	9	1	**151-5966**	1	SHAFT AS-STUB	
		1	**6I-3623**	1	DOWEL	
	10	1	**6I-3624**	2	PLATE-THRUST	
	11	1	**6I-3625**	1	GEAR AS (71-TEETH)	
		1	**101-8468**	1	BEARING-SLEEVE	
	12	1	**149-9107**	1	GEAR AS-CLUSTER (105/63-TEETH)	
		1	**1B-8705**	1	KEY-WOODRUFF	
		1	**6I-4582**	1	GEAR (63-TEETH)	
		1	**131-7123**	1	BEARING-SLEEVE	
		1	**149-9106**	1	GEAR-CLUSTER (105-TEETH)	
	13	1	**197-4971**	1	SHAFT-STUB	
	14	1	**158-3416**	1	SHAFT-STUB	
	15	1	**031-3185**	6	BOLT-12 POINT HEAD (5/8-11X3-IN)	
	16	1	**149-9110**	1	GEAR-OIL PUMP DRIVE (69-TEETH)	
	17	1	**9S-8752**	10	NUT-FULL (3/8-16-THD)	
	18	1	**9X-6458**	12	WASHER-HARD (10.2X22.5X3-MM THK)	
	19	1	**117-8801**	1	SEAL-O-RING	
	20	1	**5E-8771**	1	SEAL-O-RING	
	21	1	**159-1533**	1	PLATE-SEALING	
	22	1	**159-8524**	1	ADAPTER AS	
		1	**6V-3677**	1	DOWEL	
	23	1	**102-5861**	1	PLATE-THRUST	
	24	1	**107-0583**	3	BOLT-LOCKING (1/4-20X0.87-IN)	
Y	25	1	**204-9316**	1	GEAR GP-CAMSHAFT (96-TEETH)	230

Y-SEPARATE ILLUSTRATION

208-9490 **GEAR GP-FRONT** *(contd.)* **i02758309**



GRAPHIC #1 **<END>** g01381160

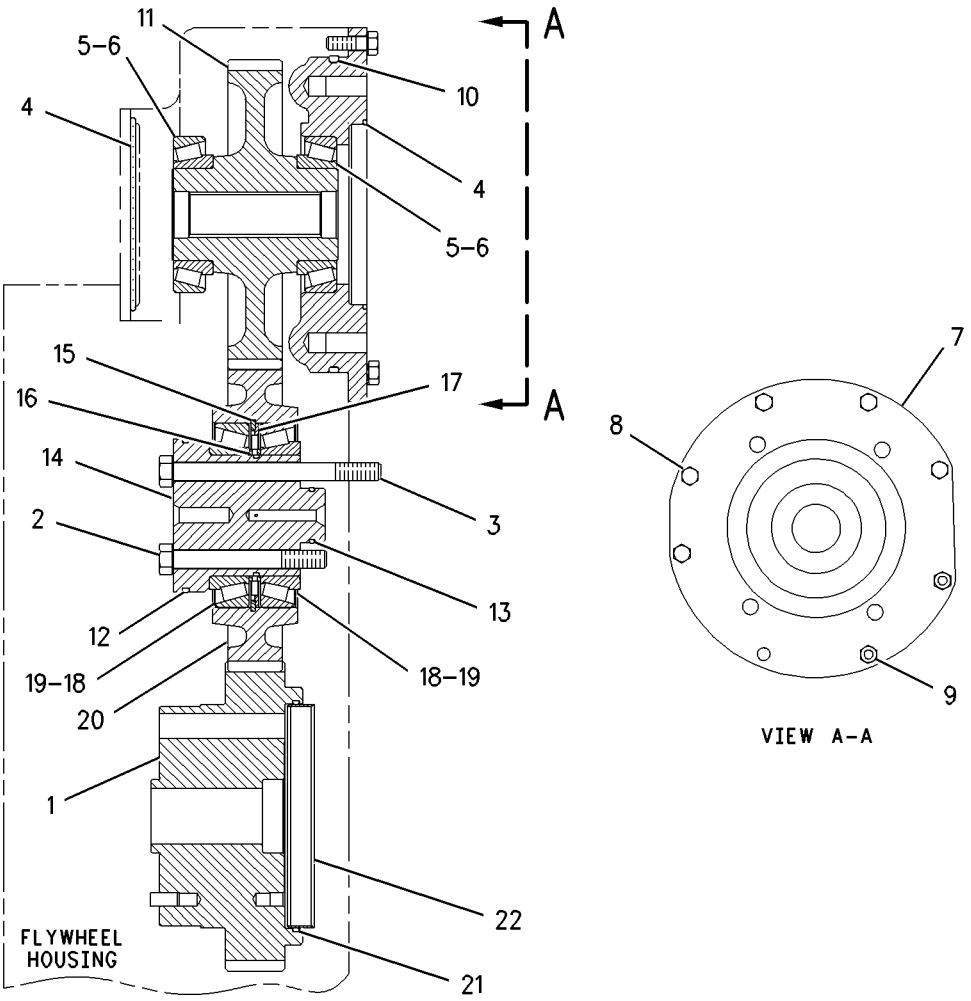
147-3754 GEAR GP-REAR

FOR USE WITH 120-9128—PAGE 248

AN ATTACHMENT

SMCS-1204 **i01581563**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-9231**	1	GEAR AS-CRANKSHAFT (64 TEETH)	
		1	**4N-0684**	1	DOWEL	
	2	1	**1D-4569**	1	BOLT (1/2-13X4.25-IN)	
	3	1	**8F-8804**	1	BOLT (1/2-13X5.75-IN)	
	4	1	**5F-3106**	2	SEAL-O-RING	
	5	1	**2P-8987**	2	CONE-BEARING	
	6	1	**2P-8986**	2	CUP-BEARING	
	7	1	**6I-2172**	1	ADAPTER-HYDRAULIC PUMP	
	8	1	**1A-2029**	5	BOLT (3/8-16X1.125-IN)	
	9	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	10	1	**4N-1230**	1	SEAL-O-RING	
	11	1	**155-6627**	1	GEAR (64 TEETH)	
	12	1	**2H-3934**	1	SEAL-O-RING	
	13	1	**2S-4663**	1	SEAL-O-RING	
	14	1	**6N-3310**	1	SHAFT-IDLER GEAR	
	15	1	**5K-9065**	1	RING-RETAINING	
	16	1	**2P-7554**	1	SPACER-BEARING	
	17	1	**2P-7555**	1	SPACER-BEARING	
	18	1	**030-0061**	2	CONE-BEARING	
	19	1	**030-0060**	2	CUP-BEARING	
	20	1	**2W-7615**	1	GEAR-IDLER (64-TEETH)	
	21	1	**2K-4472**	1	SEAL-O-RING	
	22	1	**4N-0848**	1	SLEEVE-WEAR	



GRAPHIC #1 **<END>** g00678189

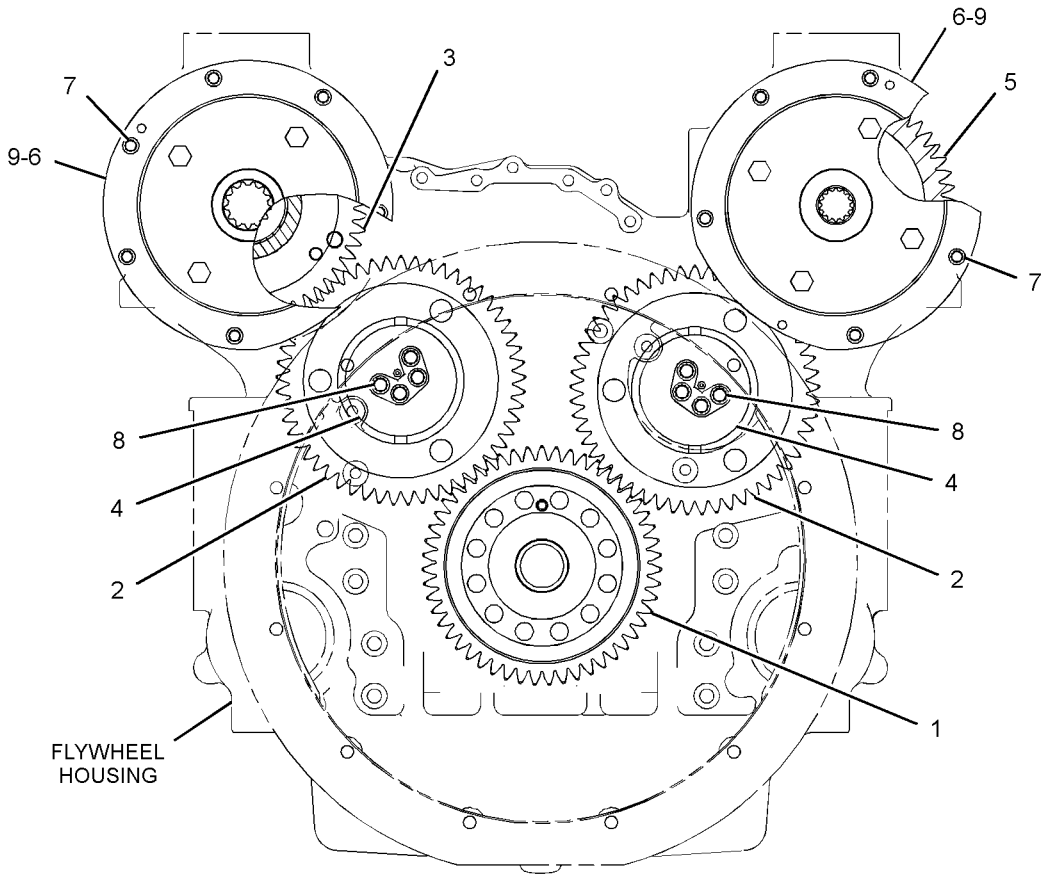
278-0095 GEAR GP-REAR

AN ATTACHMENT

SMCS-1204 **i03535960**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**206-4198**	1	GEAR AS (51-TEETH)	
		1	**4N-0684**	1	DOWEL	
	2	1	**207-8211**	2	GEAR AS-IDLER (53-TEETH)	
					(EACH INCLUDES)	
		1	**209-8621**	1	BEARING	
	3	1	**207-8213**	1	GEAR AS-PUMP DRIVE (51-TEETH)	
		1	**4F-6024**	1	PIN	
	4	1	**209-9770**	2	RETAINER AS	
					(EACH INCLUDES)	
		1	**5B-5821**	1	DOWEL	
	5	1	**229-1472**	1	GEAR AS (51-TEETH)	
		1	**4F-6024**	1	PIN	
	6	1	**246-1112**	2	ADAPTER AS	
					(EACH INCLUDES)	
		1	**209-8624**	1	BEARING-SLEEVE	
M	7	1	**136-4183**	12	BOLT-12 POINT HEAD (M10X1.5X30-MM)	
M	8	1	**189-6123**	8	BOLT-12 POINT HEAD (M12X1.75X60-MM)	
	9	1	**2W-2072**	2	SEAL-O-RING	

M-METRIC PART



REAR VIEW OF ENGINE

GRAPHIC #1 **<END>** g01372722

224-4501 GOVERNOR GP-AIR COMPRESSOR

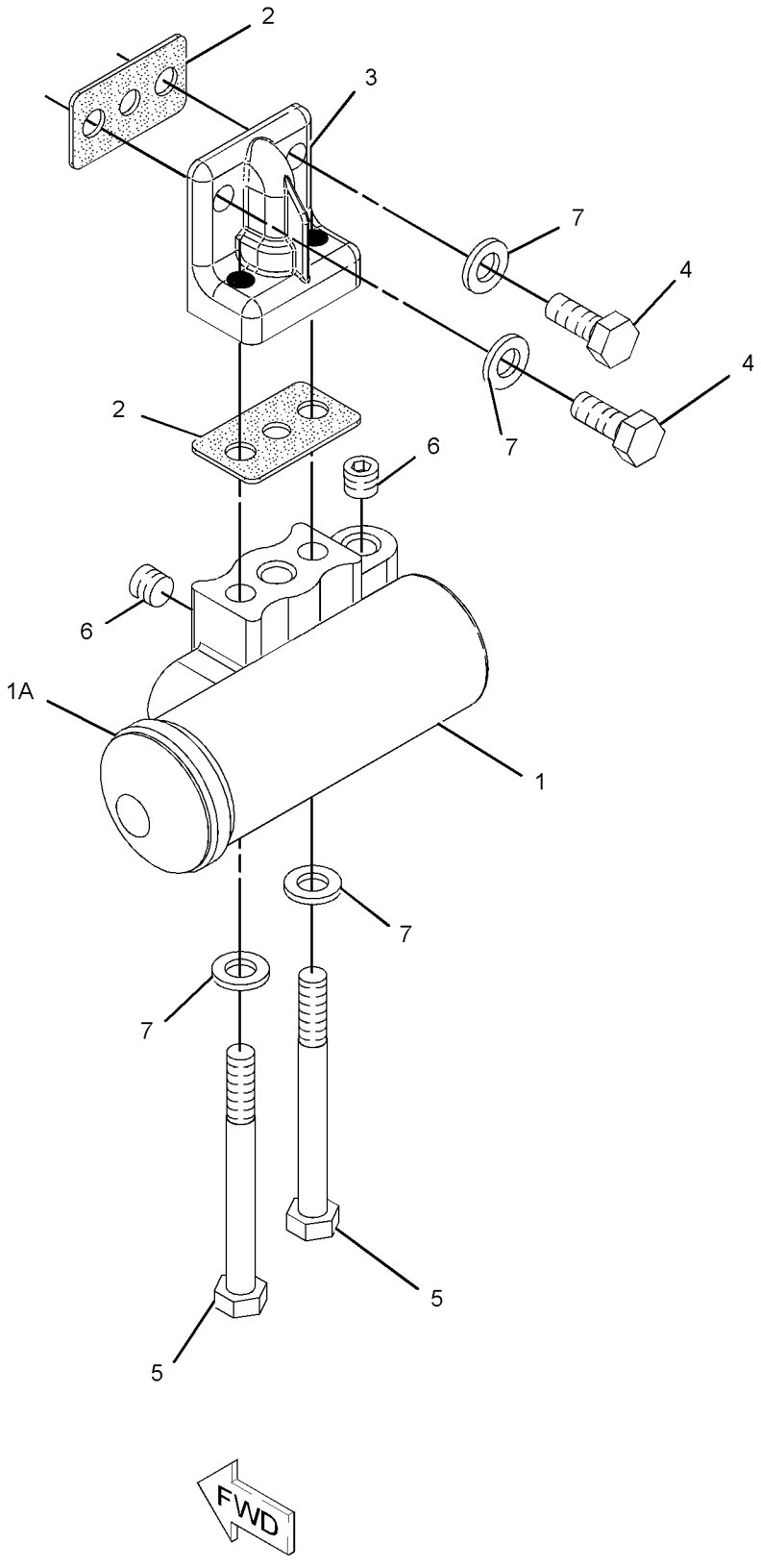
AN ATTACHMENT

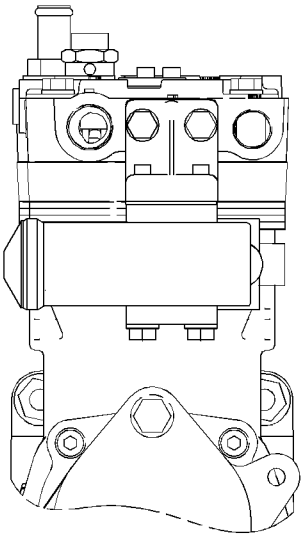
SMCS-1804 **i02250770**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-9680**	1	GOVERNOR GP-AIR COMPRESSOR	
	1A	1	**2S-2923**	1	COVER AS	
		1	**9M-0402**	1	KIT-GOVERNOR OVERHAUL (AIR COMPRESSOR)	
					(INCLUDES GROMMETS, FILTERS, SPRING, VALVE, COVER, RING, AND GASKET)	
	2	1	**6L-1883**	2	GASKET	
	3	1	**179-4787**	1	ADAPTER	
M	4	1	**6V-5217**	2	BOLT (M8X1.25X20-MM)	
M	5	1	**6V-5221**	2	BOLT (M8X1.25X80-MM)	
	6	1	**8T-6757**	3	PLUG-PIPE	
	7	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	

M-METRIC PART

224-4501 **GOVERNOR GP-AIR COMPRESSOR** *(contd.)* **i02250770**





REAR VIEW

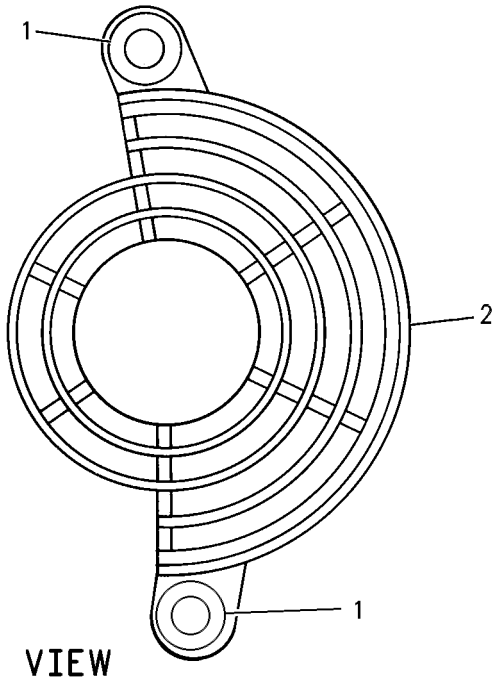
GRAPHIC #1 **<END>** g01068320

1N-3876 GUARD GP-BELT

CANNOT BE USED WITH 60-AMPERE ALTERNATORS, BELT GUARDS AN ATTACHMENT

SMCS-7174 **i02332205**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3H-7654**	2	WASHER-HARD (13.5X22.5X3.0-MM THK)	
	2	1	**1N-3877**	1	GUARD AS-ALTERNATOR	



FRONT VIEW

GRAPHIC #1 **<END>** g00258389

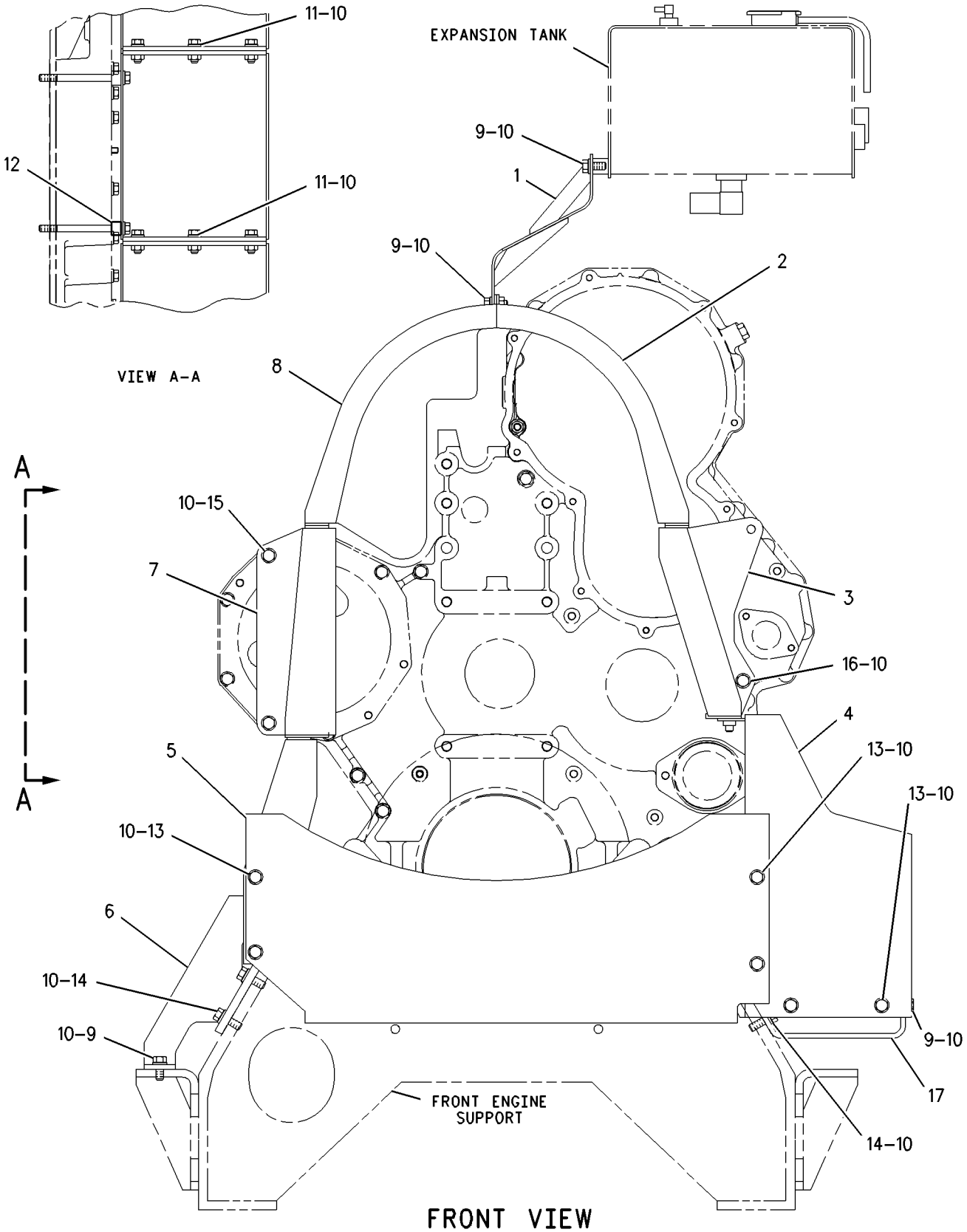
194-4615 GUARD GP-BELT

REQUIRES RADIATOR, EXPANSION TANK AND LH MOUNTED ALTERNATOR
AN ATTACHMENT

SMCS-7174 **i01391478**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**194-5288**	1	BRACKET AS	
	2	1	**158-2833**	1	GUARD AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	3	1	**194-4783**	1	GUARD AS	
		1	**1F-0750**	3	NUT-WELD (3/8-16-THD)	
	4	1	**159-1789**	1	GUARD AS	
		1	**8T-1296**	4	WASHER (10.5X19X3.5-MM THK)	
	5	1	**159-2721**	1	BRACKET	
	6	1	**158-6480**	1	GUARD AS	
		1	**1F-0750**	5	NUT-WELD (3/8-16-THD)	
	7	1	**158-5086**	1	GUARD AS	
		1	**1F-0750**	3	NUT-WELD (3/8-16-THD)	
	8	1	**158-2830**	1	GUARD AS	
	9	1	**0L-1351**	8	BOLT (3/8-16X0.875-IN)	
	10	1	**5M-2894**	34	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	11	1	**0S-1594**	11	BOLT (3/8-16X1-IN)	
	12	1	**6W-5458**	1	SPACER (0.406X0.75X0.5-IN THK)	
	13	1	**0S-0509**	8	BOLT (3/8-16X0.75-IN)	
	14	1	**1A-2029**	4	BOLT (3/8-16X1.125-IN)	
	15	1	**1A-5183**	2	BOLT (3/8-16X4.75-IN)	
	16	1	**1C-2251**	1	BOLT (3/8-16X1.87-IN)	
	17	1	**159-2957**	1	BRACKET AS	

194-4615 **GUARD GP-BELT** *(contd.)* **i01391478**



FRONT VIEW

GRAPHIC #1 **<END>** g00743655

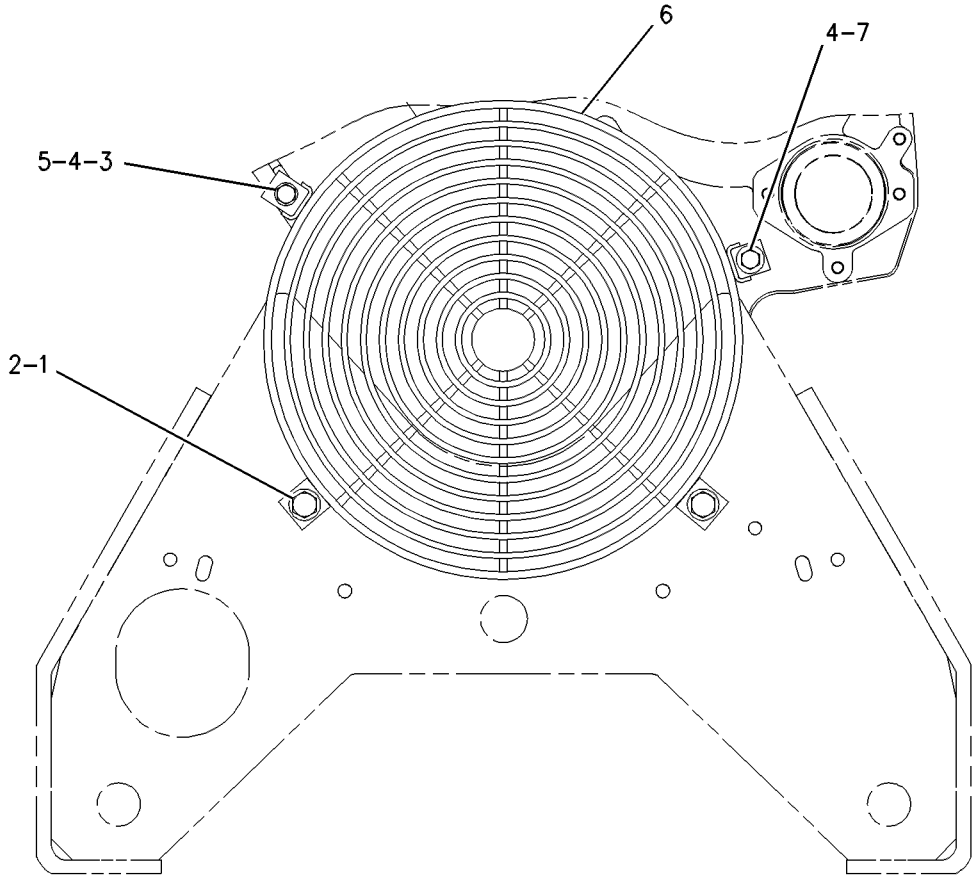
BASIC ENGINE

151-4465 GUARD GP-DAMPER

AN ATTACHMENT

SMCS-1205 **i01078373**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1A-7669**	2	BOLT (1/2-13X7-IN)	
	2	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	3	1	**0T-0055**	1	BOLT (3/8-16X4.25-IN)	
	4	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	6	1	**151-2768**	1	GUARD AS	
	7	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	



FRONT VIEW

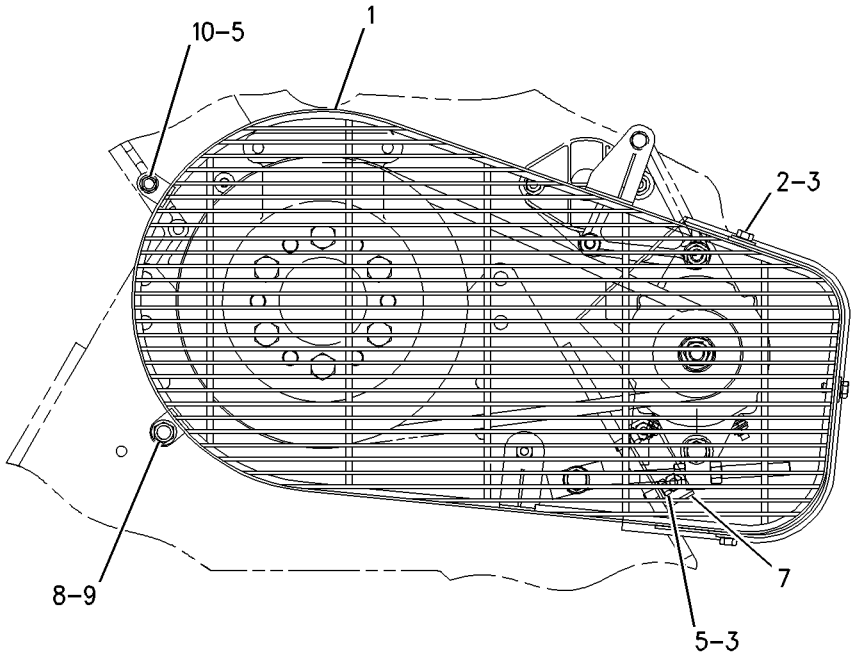
GRAPHIC #1 **<END>** g00568394

173-4002 GUARD GP-DAMPER

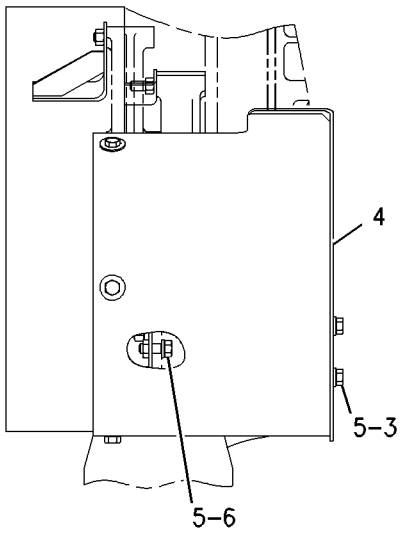
LH, REQUIRES ALTERNATOR
CANNOT BE USED WITH RADIATORS OR PULLEYS
AN ATTACHMENT

SMCS-1205 **i03211798**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-6541**	1	GUARD AS (ALTERNATOR AND DAMPER)	
		1	**1F-0750**	4	NUT-WELD (3/8-16-THD)	
	2	1	**9L-9132**	3	WASHER (10.2X25.5X2.5-MM THK)	
	3	1	**0S-0509**	7	BOLT (3/8-16X0.75-IN)	
	4	1	**156-0036**	1	GUARD AS-ALTERNATOR	
	5	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	6	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	7	1	**156-5813**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	8	1	**8T-7971**	1	WASHER-HARD (13.5X25.5X5-MM THK)	
	9	1	**5P-8038**	1	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	
	10	1	**1A-5964**	1	BOLT (3/8-16X4.5-IN)	



FRONT VIEW



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00678370

174-6468 GUARD GP-DAMPER

LH

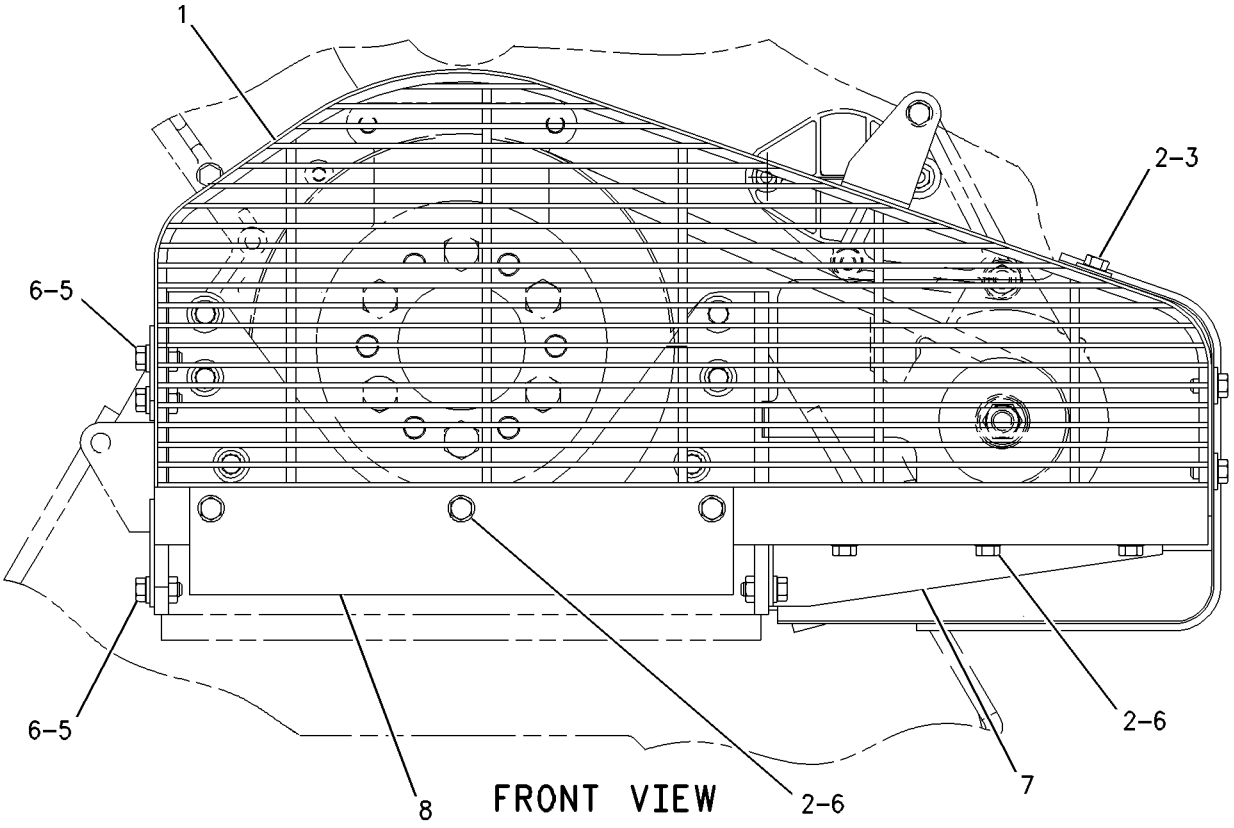
CANNOT BE USED WITH RADIATORS OR PULLEYS

AN ATTACHMENT

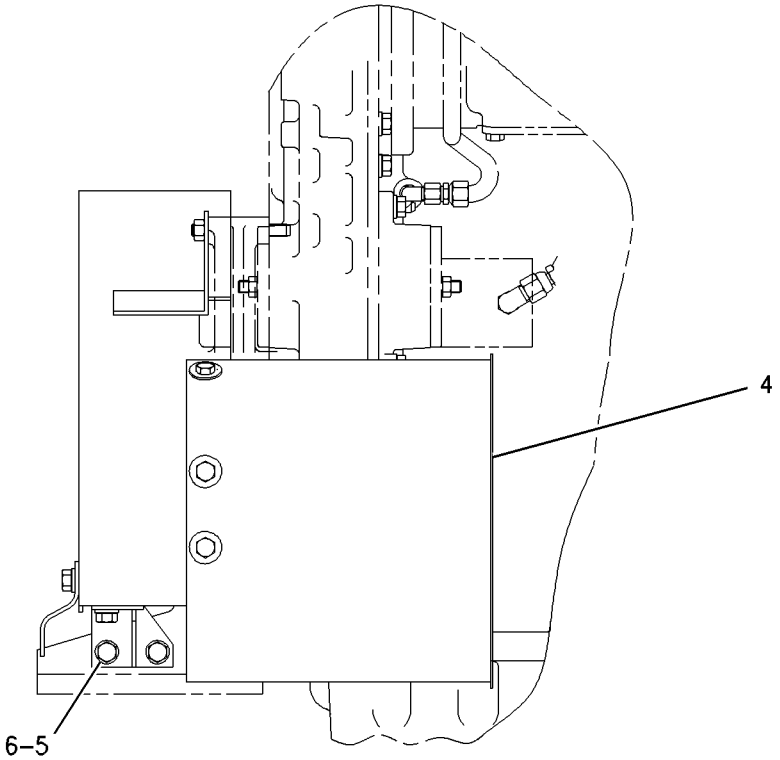
SMCS-1205 **i03211799**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**174-6474**	1	GUARD AS (ALTERNATOR AND DAMPER)	
		1	**1F-0750**	9	NUT-WELD (3/8-16-THD)	
	2	1	**0S-0509**	9	BOLT (3/8-16X0.75-IN)	
	3	1	**9L-9132**	3	WASHER (10.2X25.5X2.5-MM THK)	
	4	1	**174-6477**	1	GUARD AS-ALTERNATOR	
	5	1	**0S-1594**	6	BOLT (3/8-16X1-IN)	
	6	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	**174-6483**	1	BRACKET AS	
	8	1	**174-6484**	1	BRACKET	

174-6468 **GUARD GP-DAMPER** *(contd.)* **i03211799**



FRONT VIEW



LEFT SIDE VIEW

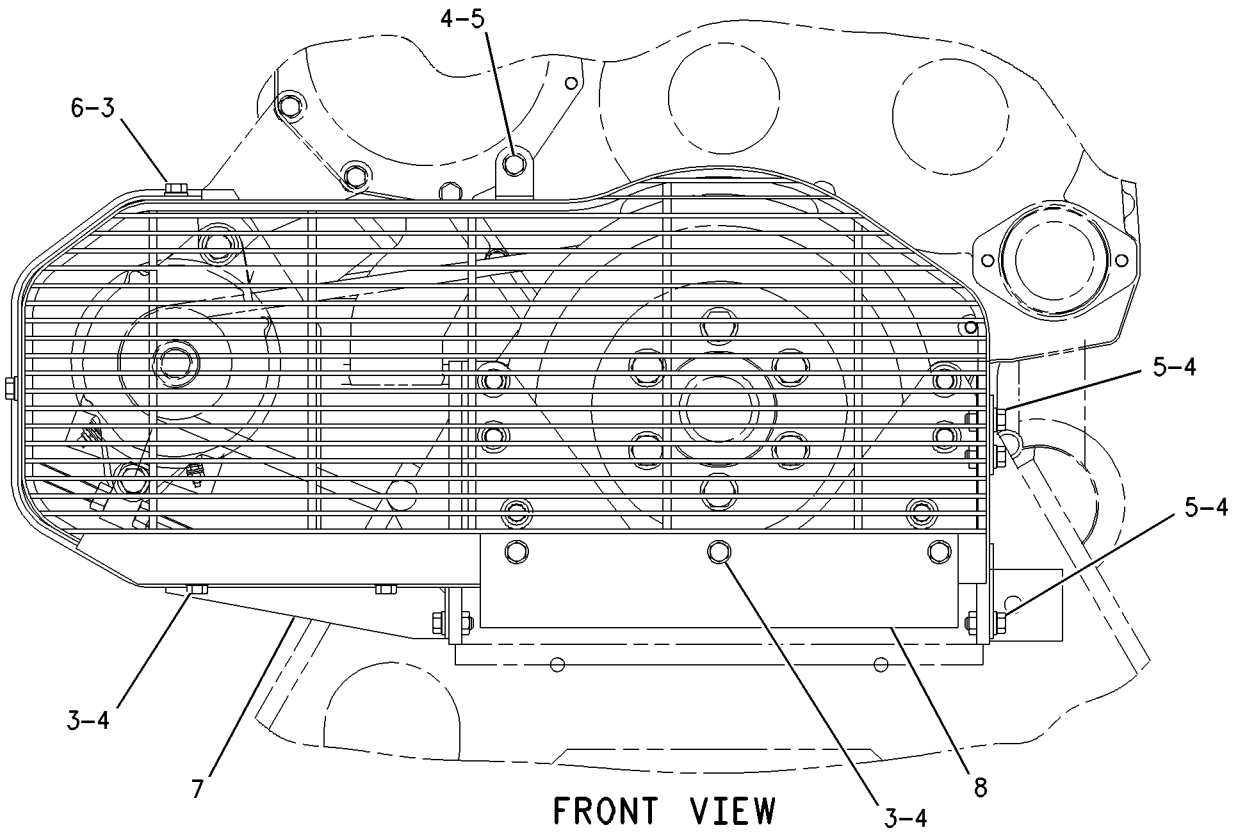
GRAPHIC #1 **<END>** g00683504

174-6470 GUARD GP-DAMPER

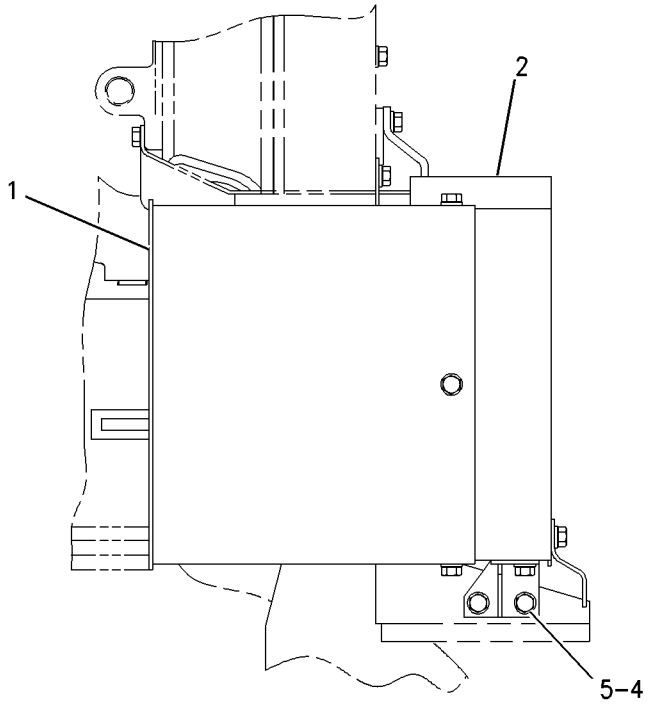
RH, REQUIRES ALTERNATOR
CANNOT BE USED WITH RADIATORS OR PULLEYS
AN ATTACHMENT

SMCS-1205 **i03211800**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**174-6476**	1	GUARD AS-ALTERNATOR	
	2	1	**174-6472**	1	GUARD AS	
		1	**1F-0750**	8	NUT-WELD (3/8-16-THD)	
	3	1	**0S-0509**	8	BOLT (3/8-16X0.75-IN)	
	4	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**0S-1594**	7	BOLT (3/8-16X1-IN)	
	6	1	**9L-9132**	3	WASHER (10.2X25.5X2.5-MM THK)	
	7	1	**174-6482**	1	BRACKET AS	
	8	1	**174-6484**	1	BRACKET	



FRONT VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00683360

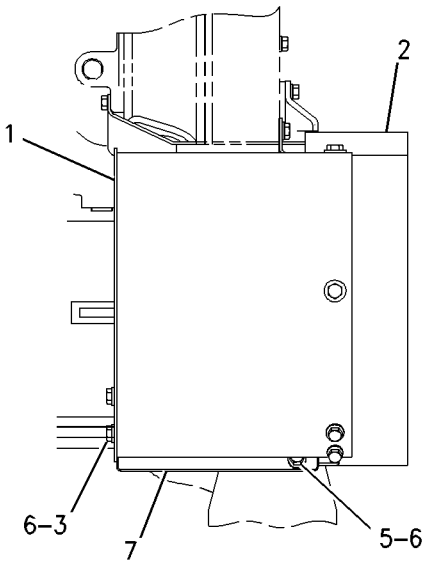
BASIC ENGINE

175-4855 GUARD GP-DAMPER

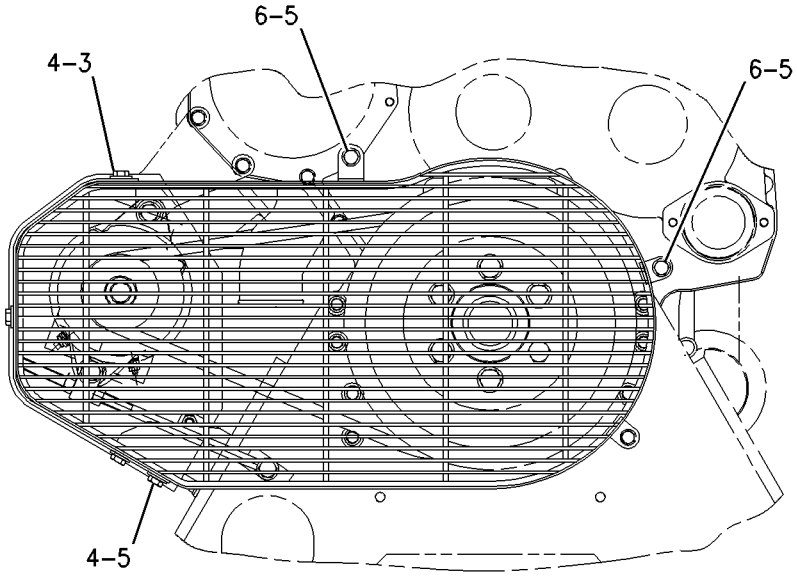
RH, REQUIRES ALTERNATOR
CANNOT BE USED WITH RADIATORS OR PULLEYS
AN ATTACHMENT

SMCS-1205 **i03211801**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**156-5319**	1	GUARD AS-ALTERNATOR	
	2	1	**156-2613**	1	GUARD AS-ALTERNATOR	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	3	1	**0S-0509**	4	BOLT (3/8-16X0.75-IN)	
	4	1	**9L-9132**	4	WASHER (10.2X25.5X2.5-MM THK)	
	5	1	**0S-1594**	6	BOLT (3/8-16X1-IN)	
	6	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	**156-5536**	1	BRACKET AS	
		1	**1F-0750**	4	NUT-WELD (3/8-16-THD)	



RIGHT SIDE VIEW



FRONT VIEW

GRAPHIC #1 **<END>** g00678404

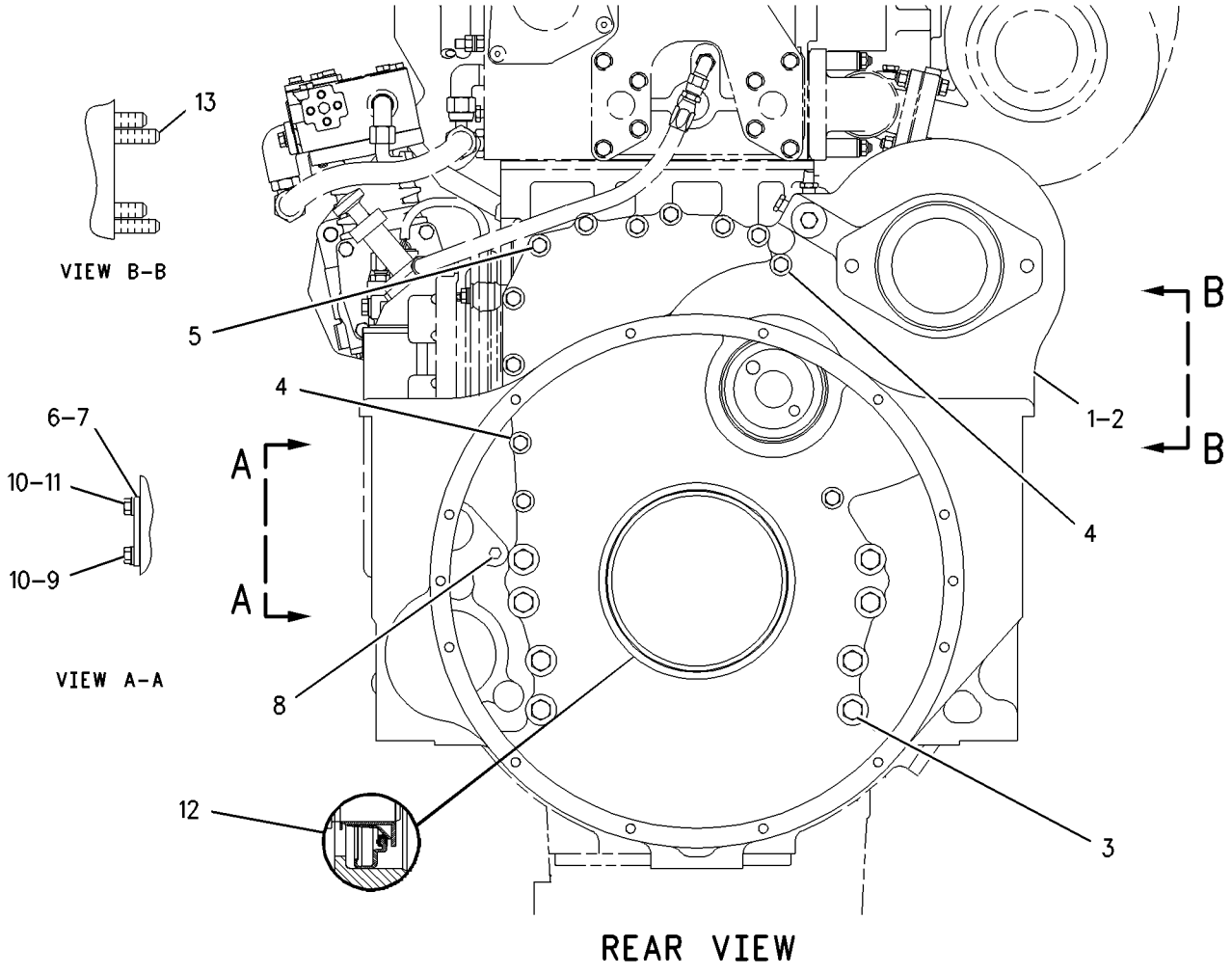
120-9128 HOUSING GP-FLYWHEEL

POWER TAKE-OFF CAPABILITIES
AN ATTACHMENT

SMCS-1157 **i02972467**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**142-7366**	1	HOUSING AS-FLYWHEEL	
		1	**1W-3136**	1	BAFFLE	
		1	**3S-0036**	2	PLUG-CORE	
		1	**8T-6765**	4	PLUG-PIPE	
	2	1	**155-5619**	1	GASKET	
	3	1	**5P-8289**	8	BOLT-12 POINT HEAD	
	4	1	**165-3937**	4	BOLT (3/8-16X5.26-IN)	
	5	1	**165-3932**	8	BOLT (3/8-16X2-IN)	
	6	1	**4N-0933**	1	GASKET	
	7	1	**2P-2772**	1	COVER	
	8	1	**8T-6765**	1	PLUG-PIPE	
	9	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	10	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	11	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
Y	12	1	*319-0785*	1	SEAL GP-CRANKSHAFT (REAR FLYWHEEL HOUSING)	391
	13	1	**3D-2871**	2	STUD-TAPERLOCK (3/8 IN.NC X 1 1/2)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00986150

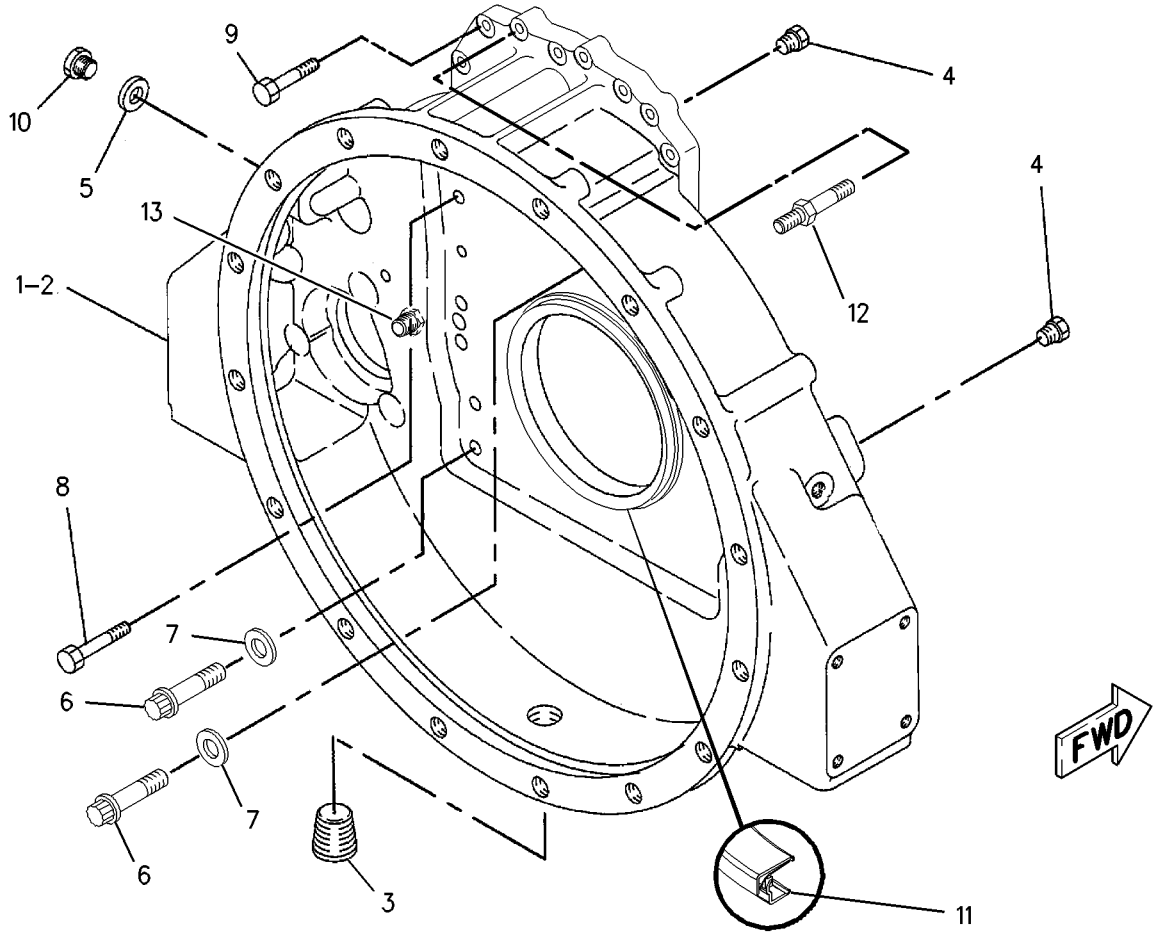
130-4680 HOUSING GP-FLYWHEEL

FOR USE WITH AIR CLEANER, SAE NO. 0 FLYWHEEL
AN ATTACHMENT

SMCS-1157 **i02992338**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**128-2002**	1	HOUSING-FLYWHEEL	
B	2	1	**1U-8846**		SEALANT-GASKET	
	3	1	**7X-7731**	1	PLUG-PIPE	
	4	1	**8T-6765**	2	PLUG-PIPE	
	5	1	**2A-1162**	1	GASKET	
	6	1	**5J-5793**	9	BOLT-12 POINT HEAD (1/2-13X1.75-IN)	
	7	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3-MM THK)	
	8	1	**165-3931**	7	BOLT (3/8-16X1.75-IN)	
	9	1	**165-3929**	5	BOLT (3/8-16X1.5-IN)	
	10	1	**5F-0304**	1	PLUG (FLYWHEEL HOUSING)	
Y	11	1	*319-0785*	1	SEAL GP-CRANKSHAFT (REAR FLYWHEEL HOUSING)	391
	12	1	**9L-9115**	1	STUD	
	13	1	**7X-7730**	1	PLUG-PIPE	

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00974298

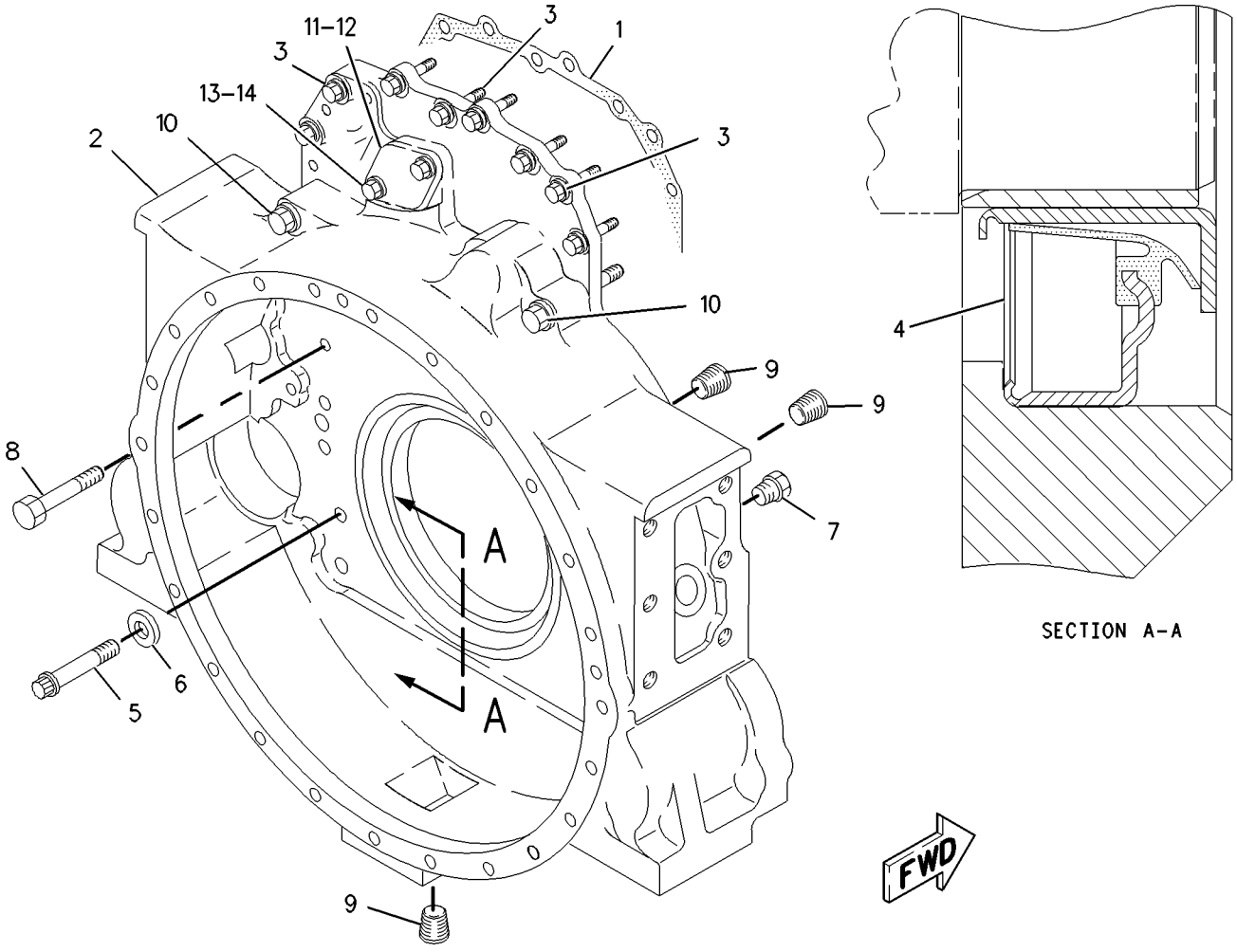
135-7634 HOUSING GP-FLYWHEEL

FOR USE WITH LH AND RH STARTING MOTORS, SAE NO. 1 HOUSING
AN ATTACHMENT

SMCS-1157 **i02992335**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-5619**	1	GASKET	
	2	1	**108-4744**	1	HOUSING-FLYWHEEL	
	3	1	**0S-1591**	8	BOLT (3/8-16X1.5-IN)	
Y	4	1	*319-0785*	1	SEAL GP-CRANKSHAFT (REAR FLYWHEEL HOUSING)	391
	5	1	**5J-5793**	9	BOLT-12 POINT HEAD (1/2-13X1.75-IN)	
	6	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3-MM THK)	
	7	1	**8T-6765**	2	PLUG-PIPE	
	8	1	**0S-1571**	5	BOLT (3/8-16X1.75-IN)	
	9	1	**7X-7731**	3	PLUG-PIPE	
	10	1	**0T-0573**	2	BOLT (3/8-16X2.75-IN)	
	11	1	**8F-3030**	1	FLANGE	
	12	1	**5H-0244**	1	GASKET	
	13	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	14	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00985845

160-2612 HOUSING GP-FLYWHEEL

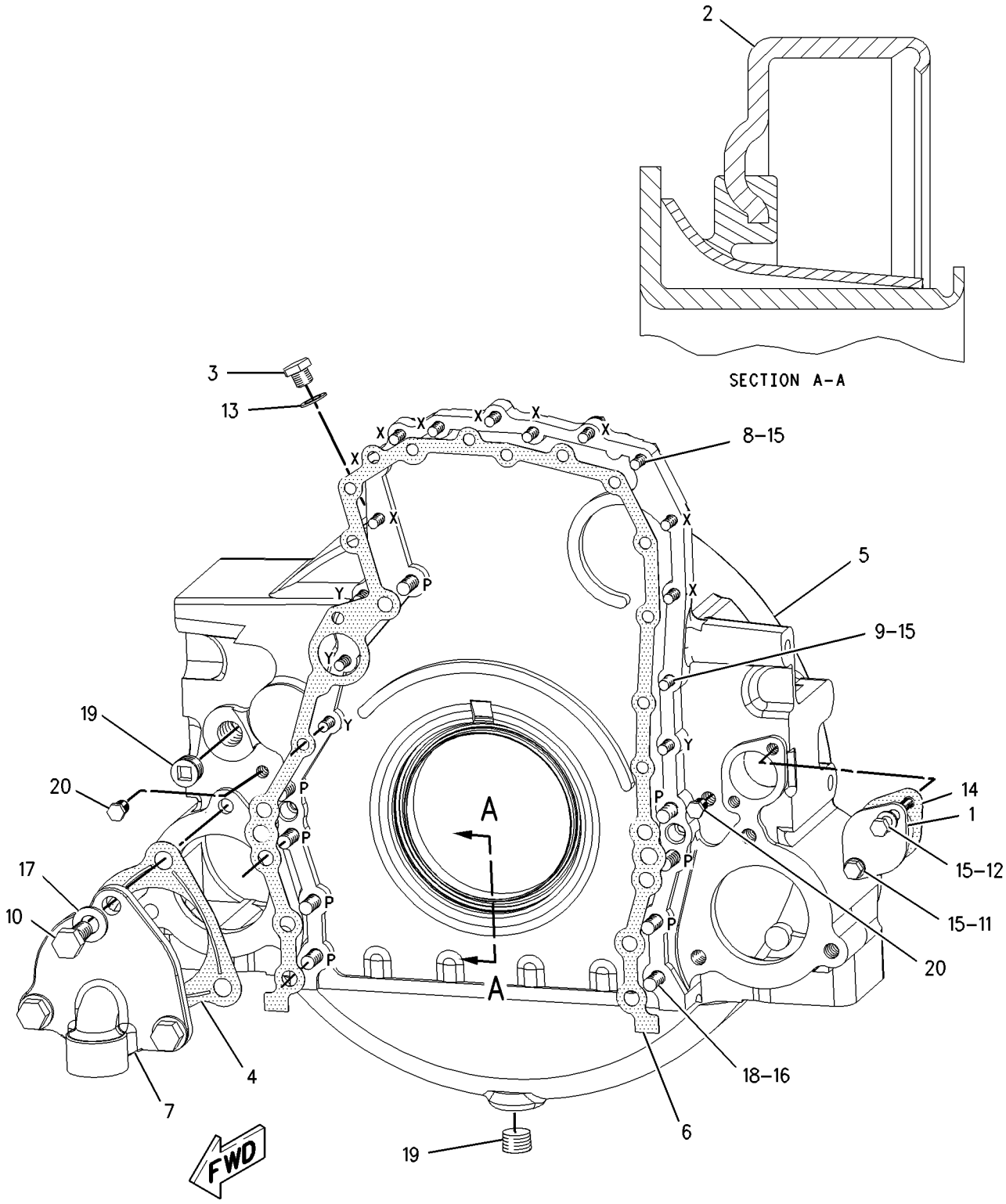
S/N: JRE1-10443
AN ATTACHMENT

SMCS-1157 **i02971501**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-2772**	1	COVER	
Y	2	1	*319-0785*	1	SEAL GP-CRANKSHAFT (REAR FLYWHEEL HOUSING)	391
	3	1	**5F-0304**	1	PLUG (FLYWHEEL HOUSING)	
	4	1	**9Y-6089**	1	GASKET	
	5	1	**108-4758**	1	HOUSING AS	
		1	**3B-1925**	1	WASHER (0.766X1X0.064-IN THK)	
		1	**9L-9653**	1	PLUG	
		1	**1W-3136**	1	BAFFLE	
	6	1	**155-5619**	1	GASKET	
	7	1	**160-2563**	1	ADAPTER	
	8	1	**165-3929**	10	BOLT (3/8-16X1.5-IN) (MARKED X)	
	9	1	**165-3933**	5	BOLT (3/8-16X2.25-IN) (3/8-16)	
					(LOCATIONS MARKED Y)	
	10	1	**0S-1566**	3	BOLT (5/8-11X1.5-IN)	
	11	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	12	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
	13	1	**2A-1162**	1	GASKET	
	14	1	**4N-0933**	1	GASKET	
	15	1	**5M-2894**	17	WASHER-HARD (10.2X18.5X2.5-MM THK)	
					(LOCATIONS MARKED X,Y)	
	16	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3-MM THK)	
					(LOCATIONS MARKED P)	
	17	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
	18	1	**7K-6058**	9	BOLT-12 POINT HEAD (1/2-13X2.5-IN)	
					(LOCATIONS MARKED P)	
	19	1	**7X-7731**	2	PLUG-PIPE	
	20	1	**8T-6765**	2	PLUG-PIPE	

Y-SEPARATE ILLUSTRATION

160-2612 **HOUSING GP-FLYWHEEL** *(contd.)* **i02971501**



GRAPHIC #1 **<END>** g00976214

160-2612 HOUSING GP-FLYWHEEL

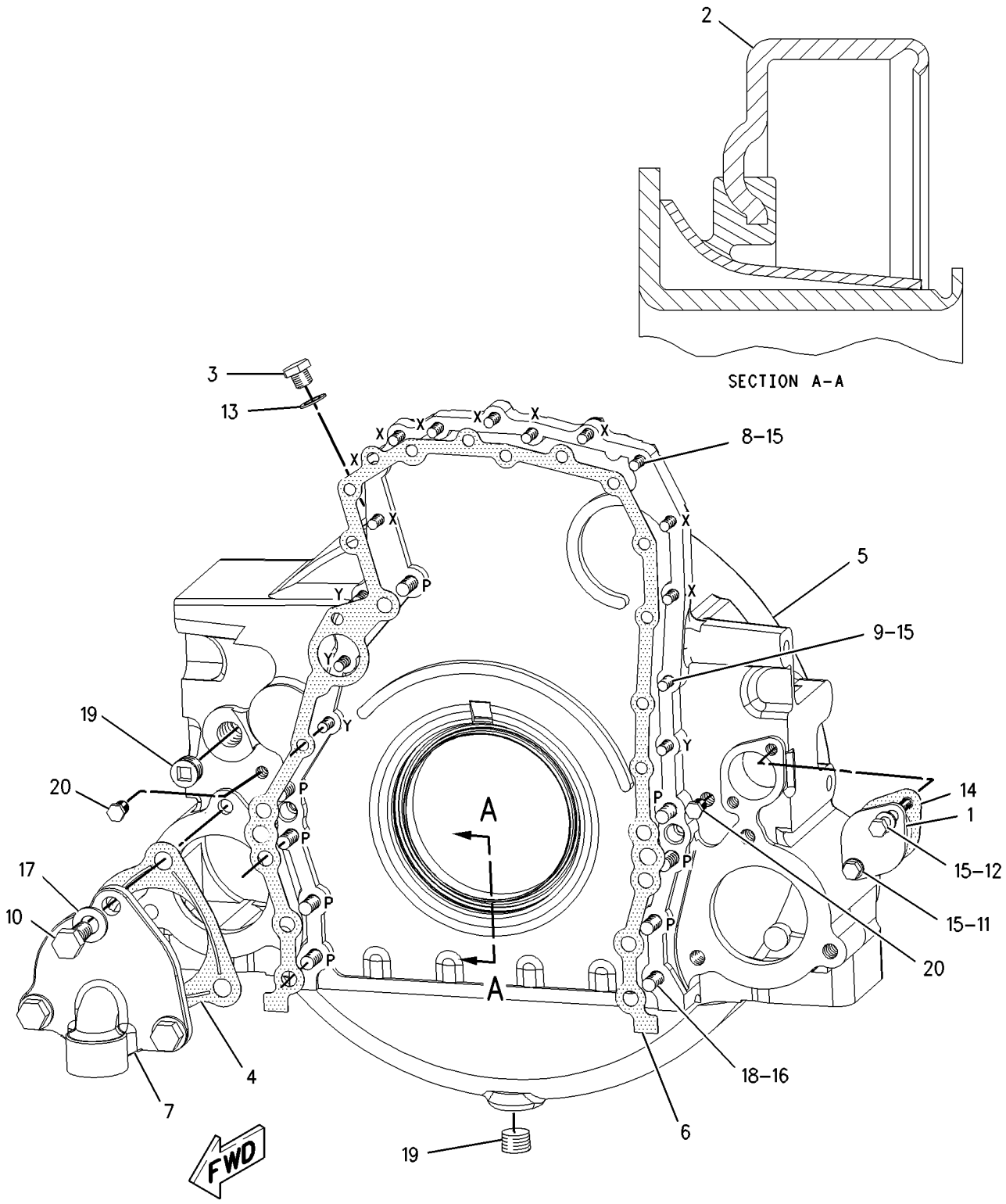
S/N: JRE10444-UP
AN ATTACHMENT

SMCS-1157 **i03688465**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-2772**	1	COVER	
Y	2	1	*319-0785*	1	SEAL GP-CRANKSHAFT (REAR FLYWHEEL HOUSING)	391
	3	1	**5F-0304**	1	PLUG	
	4	1	**9Y-6089**	1	GASKET	
	5	1	**108-4758**	1	HOUSING AS	
		1	**3B-1925**	1	WASHER (0.766X1X0.064-IN THK)	
		1	**9L-9653**	1	PLUG	
		1	**1W-3136**	1	BAFFLE	
	6	1	**155-5619**	1	GASKET	
	7	1	**160-2563**	1	ADAPTER	
	8	1	**165-3929**	10	BOLT (3/8-16X1.5-IN) (LOCATIONS MARKED X)	
	9	1	**165-3933**	5	BOLT (3/8-16X2.25-IN)	
					(LOCATIONS MARKED Y)	
	10	1	**0S-1566**	3	BOLT (5/8-11X1.5-IN)	
	11	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	12	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
	13	1	**2A-1162**	1	GASKET	
C	14	1	**234-8937**	1	SEAL-INTEGRAL	
	15	1	**5M-2894**	17	WASHER-HARD (10.2X18.5X2.5-MM THK)	
					(LOCATIONS MARKED X,Y)	
	16	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3-MM THK)	
					(LOCATIONS MARKED P)	
	17	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
	18	1	**7K-6058**	9	BOLT-12 POINT HEAD (1/2-13X2.5-IN)	
					(LOCATIONS MARKED P)	
	19	1	**7X-7731**	2	PLUG-PIPE	
	20	1	**8T-6765**	2	PLUG-PIPE	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

160-2612 **HOUSING GP-FLYWHEEL** *(contd.)* **i03688465**



GRAPHIC #1 **<END>** g00976214

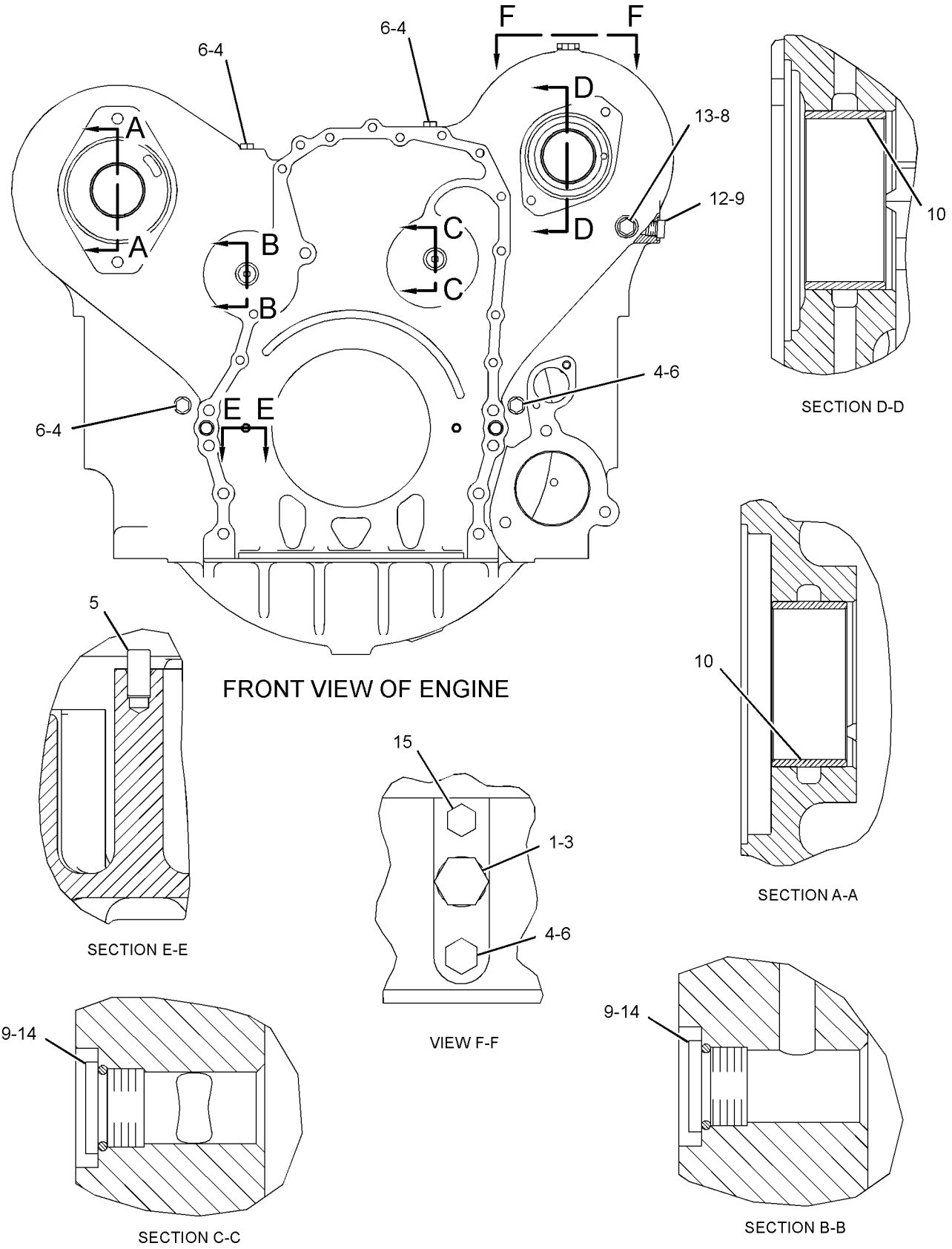
219-0627 HOUSING GP-FLYWHEEL

PART OF 219-0626 DRIVE GP-POWER TAKE-OFF
AN ATTACHMENT

SMCS-1157 **i03688466**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5F-0304**	1	PLUG	
	3	1	**2A-1162**	1	GASKET	
	4	1	**3K-8460**	5	PLUG	
	5	1	**4N-0684**	2	DOWEL	
	6	1	**5P-7814**	5	SEAL-O-RING	
	8	1	**6V-5049**	1	SEAL-O-RING	
	9	1	**8L-2786**	3	SEAL-O-RING	
	10	1	**8M-9315**	2	BEARING-SLEEVE	
	12	1	**9S-4185**	1	PLUG-O-RING	
	13	1	**9S-4191**	1	PLUG-O-RING	
	14	1	**9S-8005**	2	PLUG-O-RING	
	15	1	*309-5130*	1	PLUG AS	
		1	**9S-4182**	1	PLUG-O-RING	
		1	**214-7566**	1	SEAL-O-RING	

219-0627 HOUSING GP-FLYWHEEL *(contd.)* i03688466



GRAPHIC #1 **<END>** g01443263

220-6368 HOUSING GP-FLYWHEEL

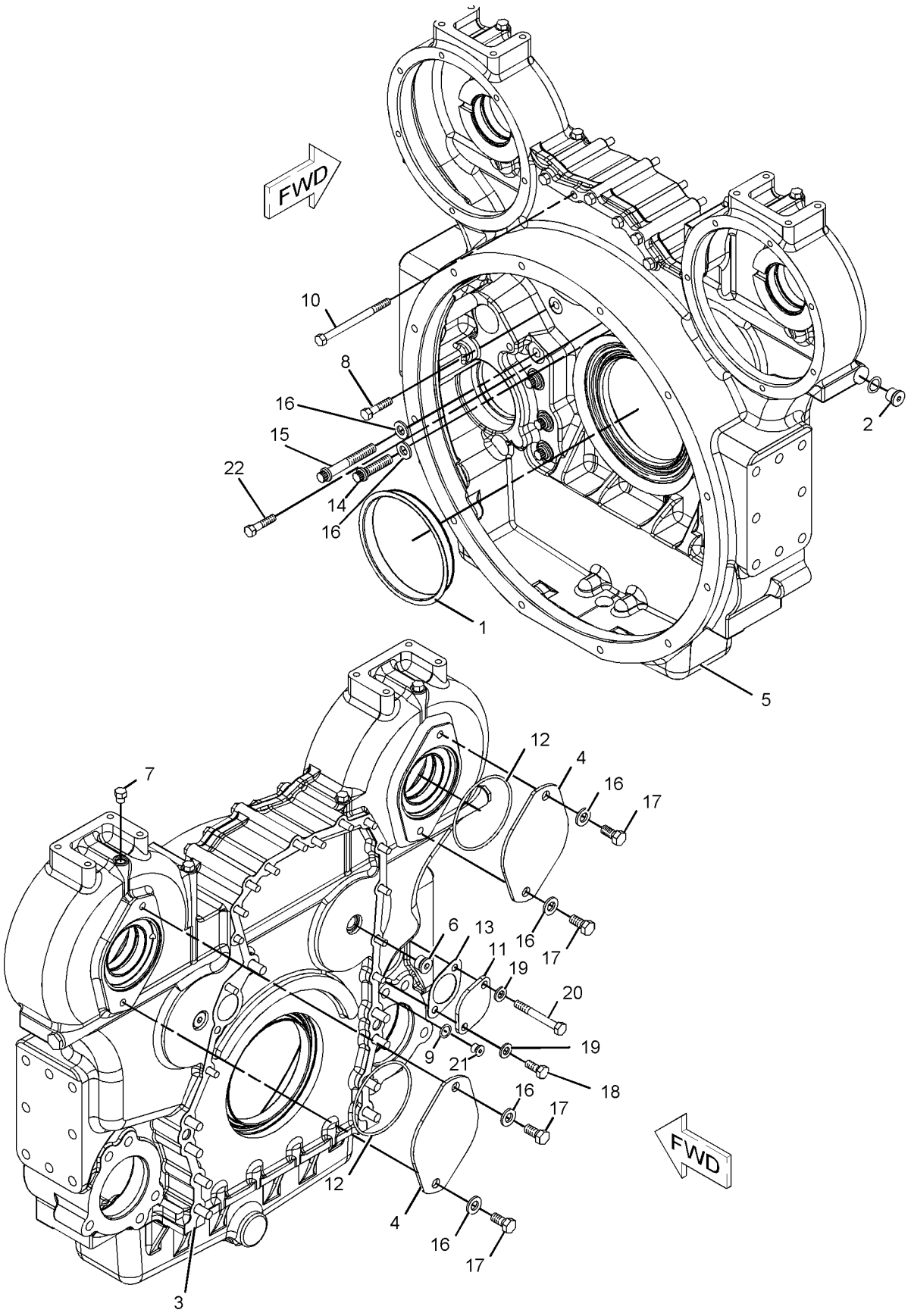
AN ATTACHMENT

SMCS-1157 **i03688467**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*319-0785*	1	SEAL GP-CRANKSHAFT (REAR FLYWHEEL HOUSING)	391
	2	1	*148-8411*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**9S-4185**	1	PLUG-O-RING (3/4-16 THD)	
		1	**3K-0360**	1	SEAL-O-RING (16.36MM ID)	
	3	1	**155-5619**	1	GASKET	
	4	1	**175-3721**	2	COVER	
	5	1	**220-8217**	1	HOUSING AS-FLYWHEEL	
		1	**1W-3136**	1	BAFFLE	
		1	**209-8622**	2	BEARING-SLEEVE	
	6	1	*148-8395*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**9S-8005**	1	PLUG-O-RING (3/4-16 THD)	
		1	**3K-0360**	1	SEAL-O-RING (16.36MM ID)	
	7	1	*155-3624*	4	PLUG AS	
					(EACH INCLUDES)	
		1	**3J-7354**	1	SEAL-O-RING (8.92MM ID)	
		1	**9S-4182**	1	PLUG-O-RING (7/16-20 THD)	
	8	1	**165-3930**	7	BOLT (3/8-16X1.625-IN)	
	9	1	**1J-9671**	1	SEAL-O-RING (10.52MM ID)	
	10	1	**223-4903**	6	BOLT	
	11	1	**2P-2772**	1	COVER	
	12	1	**4M-0189**	2	SEAL-O-RING (104.37MM ID)	
	13	1	**234-8937**	1	SEAL-INTEGRAL	
	14	1	**5J-5793**	1	BOLT-12 POINT HEAD (1/2-13X1.75-IN)	
	15	1	**5J-5794**	8	BOLT (1/2-13X3.5-IN)	
	16	1	**5P-8245**	13	WASHER-HARD (13.5X25.5X3-MM THK)	
M	17	1	**6A-5591**	4	BOLT (M12X1.75X25-MM)	
M	18	1	**6V-4248**	1	BOLT (M10X1.5X25-MM)	
	19	1	**6V-5839**	2	WASHER (11X21X2.5-MM THK)	
M	20	1	**8T-0643**	1	BOLT (M10X1.5X80-MM)	
	21	1	**9S-8003**	1	PLUG (1/2-20 THD)	
	22	1	**165-3932**	1	BOLT (3/8-16X2-IN)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION

220-6368 **HOUSING GP-FLYWHEEL** *(contd.)* **i03688467**



GRAPHIC #1 **<END>** g01071147

223-4738 HOUSING GP-FLYWHEEL

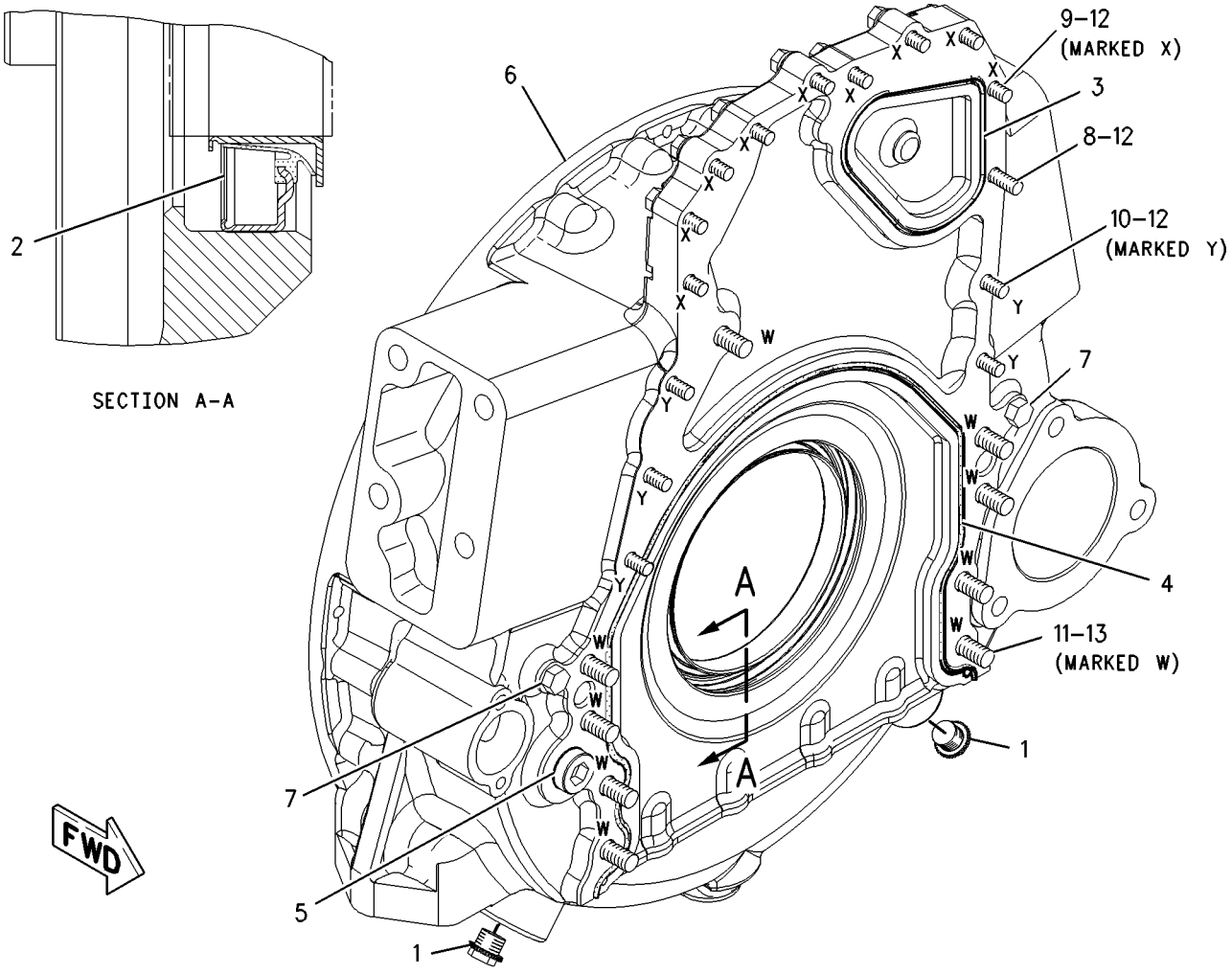
NO.1 FLYWHEEL HOUSING WITH VERTICLE INSTALLATION ANGLE AND 10 DEGREE PADS FOR USE WITH WET/DRY HOUSING APPLICATION, IF NO BRAKESAVER, 220-1204—PAGE 360 AN ATTACHMENT

SMCS-1157 **i03109560**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-1669**	2	PLUG-SEAL	
Y	2	1	*319-0785*	1	SEAL GP-CRANKSHAFT (REAR FLYWHEEL HOUSING)	391
C	3	1	**268-5589**	1	SEAL	
C	4	1	**268-5582**	1	SEAL	
	5	1	*216-9065*	1	PLUG AS	
		1	**216-8997**	1	SEAL-O-RING	
		1	**216-9064**	1	PLUG	
	6	1	**304-4156**	1	HOUSING-FLYWHEEL	
	7	1	*148-8405*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**1J-9671**	1	SEAL-O-RING	
		1	**3K-8460**	1	PLUG	
	8	1	**165-3925**	1	BOLT (3/8X16X5.75-IN)	
	9	1	**165-3929**	9	BOLT (3/8-16X1.5-IN) (MARKED X)	
	10	1	**165-3931**	5	BOLT (3/8-16X1.75-IN) (MARKED Y)	
	11	1	**5J-5793**	9	BOLT-12 POINT HEAD (1/2-13X1.75-IN) (MARKED W)	
	12	1	**5M-2894**	15	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	**5P-8245**	9	WASHER-HARD (13.5X25.5X3-MM THK)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

223-4738 **HOUSING GP-FLYWHEEL** *(contd.)* **i03109560**



GRAPHIC #1 **<END>** g00975410

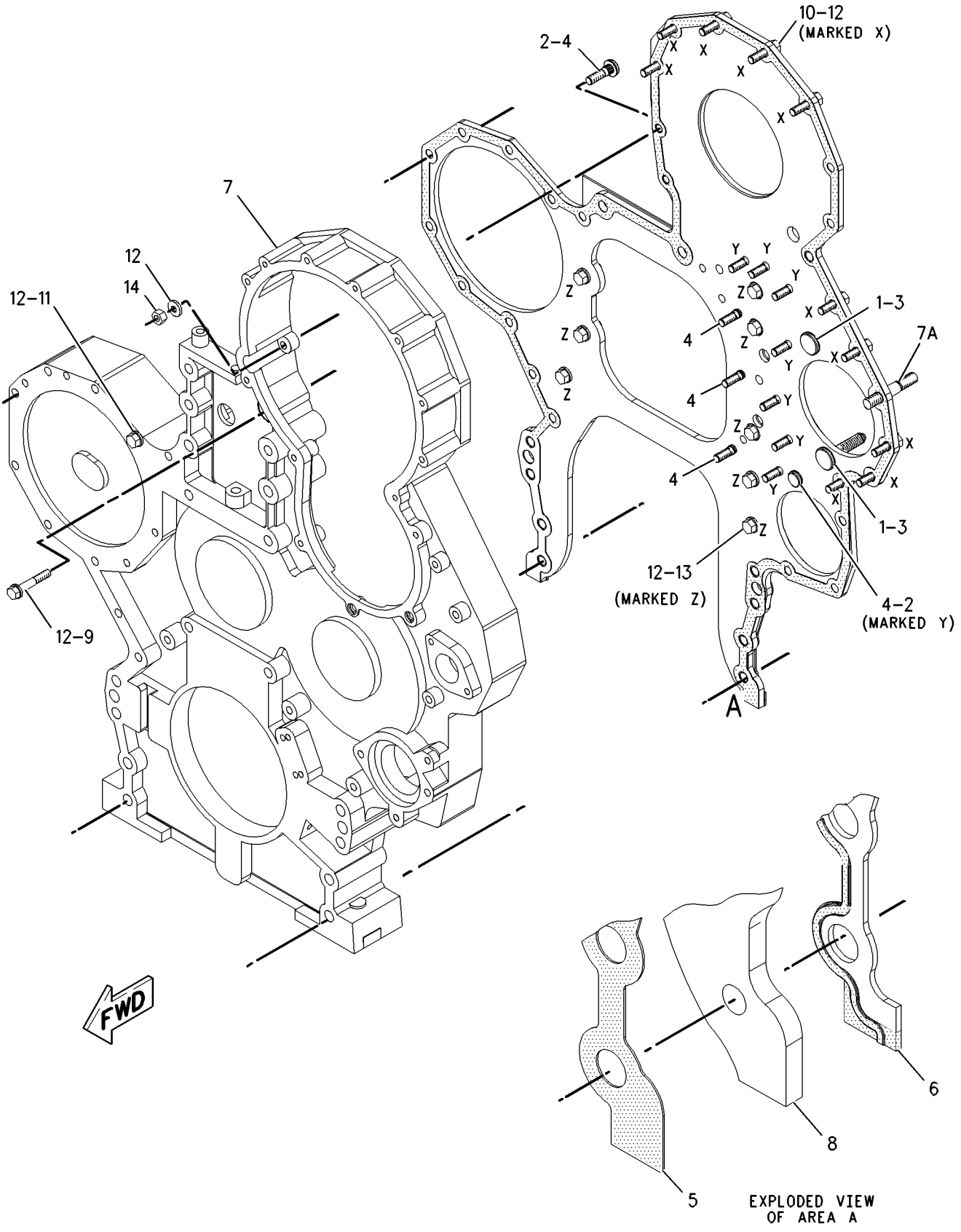
224-1229 HOUSING GP-FRONT

FOR USE WITH OIL FILLER, FULL FRONT SOUND SUPPRESSION, ALTERNATOR MOUNTING, ACCESSORY DRIVE, RADIATOR SUPPORT, VARIOUS FASTENER COMBINATIONS AND BRACE SUPPORT GROUPS
AN ATTACHMENT

SMCS-1151, 1162, 1206 **i03211700**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**120-9243**	2	STUD-SPECIAL (BRAKE)	
	2	1	**126-1757**	9	WASHER (10.85X19.3X1.27-MM THK)	
	3	1	**129-5427**	2	WASHER-SPECIAL (SEALING)	
	4	1	**129-5428**	12	STUD (BRAKE) (MARKED Y)	
	5	1	**166-9144**	1	GASKET	
	6	1	**155-9524**	1	SEAL-INTEGRAL	
	7	1	**175-1483**	1	HOUSING AS-FRONT	
	7A	1	**3E-8044**	1	STUD (1/2-13X2.95-IN)	
	8	1	**223-0533**	1	PLATE	
	9	1	**0L-2070**	1	BOLT (3/8-16X2.25-IN)	
	10	1	**0S-1588**	10	BOLT (3/8-16X1.25-IN) (MARKED X)	
	11	1	**0T-0055**	1	BOLT (3/8-16X4.25-IN)	
	12	1	**5M-2894**	21	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	**5P-4255**	8	BOLT-LOCKING (3/8-16X1-IN) (MARKED Z)	
	14	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	

224-1229 **HOUSING GP-FRONT** *(contd.)* **i03211700**



GRAPHIC #1 **<END>** g00979858

269-2509 HOUSING GP-FRONT

S/N: JRE1-1597

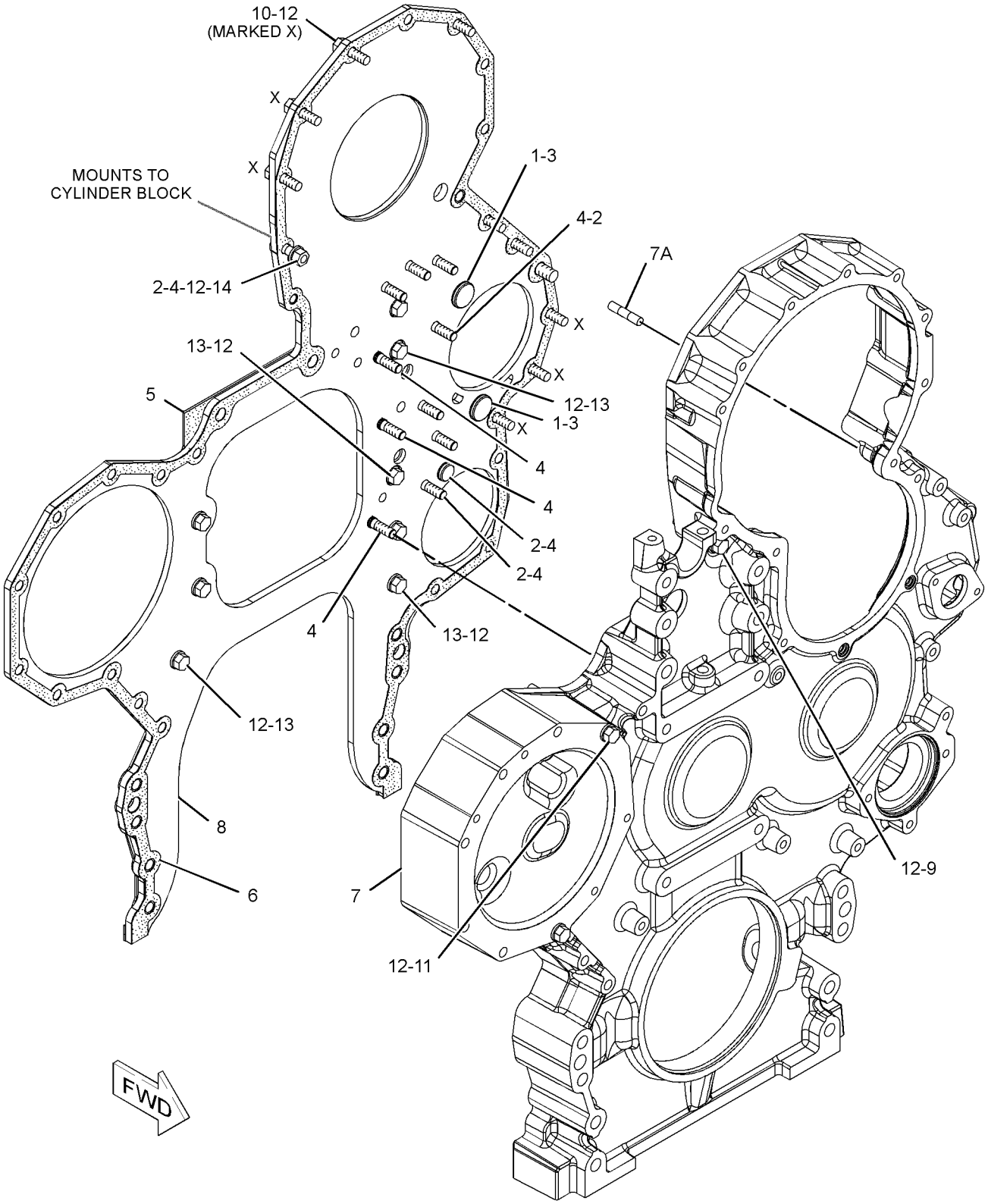
FOR USE WITH RADIATOR GROUP, LEFT HAND COOLANT CONDITIONER GROUP. CANNOT BE USED WITH TWIN TURBO APPLICATION

AN ATTACHMENT

SMCS-1151, 1162, 1206 **i03211702**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**120-9243**	2	STUD-SPECIAL (BRAKE)	
	2	1	**126-1757**	9	WASHER (10.85X19.3X1.27-MM THK) (MARKED Y)	
	3	1	**129-5427**	2	WASHER-SPECIAL (SEALING)	
	4	1	**129-5428**	12	STUD (BRAKE) (MARKED Y)	
	5	1	**155-9524**	1	SEAL-INTEGRAL	
	6	1	**166-9144**	1	GASKET	
	7	1	**175-1483**	1	HOUSING AS-FRONT	
	7A	1	**3E-8044**	1	STUD (1/2-13X2.95-IN)	
	8	1	**223-0533**	1	PLATE	
	9	1	**0L-2070**	1	BOLT (3/8-16X2.25-IN)	
	10	1	**0S-1588**	6	BOLT (3/8-16X1.25-IN) (MARKED X)	
	11	1	**0T-0055**	1	BOLT (3/8-16X4.25-IN)	
	12	1	**5M-2894**	17	WASHER-HARD (10.2X18.5X2.5-MM THK) (MARKED X)	
	13	1	**5P-4255**	8	BOLT-LOCKING (3/8-16X1-IN) (MARKED Z)	
	14	1	**9S-8752**	1	NUT-FULL (3/8-16-THD) (MARKED Z)	

269-2509 **HOUSING GP-FRONT** *(contd.)* **i03211702**



GRAPHIC #1 **<END>** g01153970

269-2509 HOUSING GP-FRONT

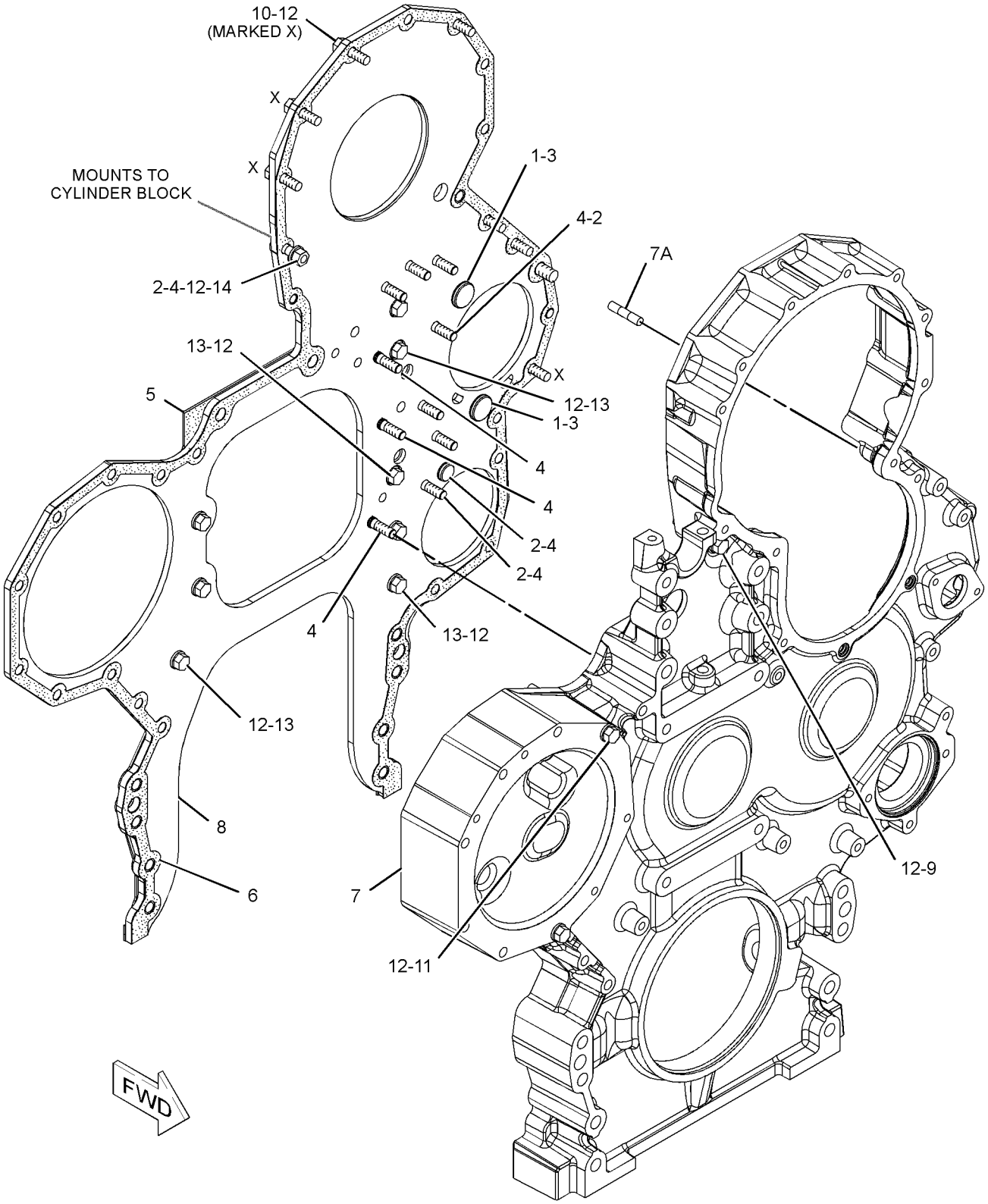
FOR USE WITH RADIATOR GROUP, LEFT HAND COOLANT CONDITIONER GROUP. CANNOT BE USED WITH TWIN TURBO APPLICATION
AN ATTACHMENT

SMCS-1151, 1162, 1206 **i03362503**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**120-9243**	2	STUD-SPECIAL (BRAKE)	
	2	1	**126-1757**	9	WASHER (10.85X19.3X1.27-MM THK)	
	3	1	**129-5427**	2	WASHER-SPECIAL (SEALING)	
	4	1	**129-5428**	12	STUD (BRAKE)	
	5	1	**155-9524**	1	SEAL-INTEGRAL	
	6	1	**166-9144**	1	GASKET	
	7	1	**175-1483**	1	HOUSING AS-FRONT	
	7A	1	**3E-8044**	1	STUD (1/2-13X2.95-IN)	
	8	1	**223-0533**	1	PLATE	
	9	1	**0L-2070**	1	BOLT (3/8-16X2.25-IN)	
C	10	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN) (MARKED X)	
	11	1	**0T-0055**	1	BOLT (3/8-16X4.25-IN)	
C	12	1	**5M-2894**	15	WASHER-HARD (10.2X18.5X2.5-MM THK) (MARKED X)	
	13	1	**5P-4255**	8	BOLT-LOCKING (3/8-16X1-IN)	
	14	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	

C-CHANGE FROM PREVIOUS TYPE

269-2509 **HOUSING GP-FRONT** *(contd.)* **i03362503**



GRAPHIC #1 **<END>** g01262820

243-6718 KIT-CRANKSHAFT BEARING

OPTIONAL SERVICE REPAIR AND INCLUDES STANDARD MAIN AND THRUST BEARINGS
FIELD INSTALLATION

SMCS-1202, 1203, 1230 **i03211962**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	317-8766	7	BEARING-MAIN (STANDARD)	
	253-1752	2	PLATE-THRUST (CRANKSHAFT)	

<END>

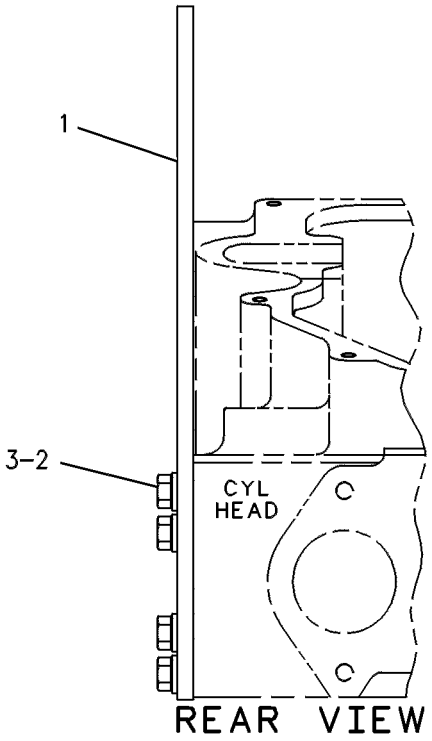
111-2086 LIFTING GP-ENGINE

REAR- HIGH PROFILE LIFTING EYE

AN ATTACHMENT

SMCS-1122 **i02927090**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**110-8226**	1	EYE-LIFTING	
	2	1	**0S-1594**	8	BOLT (3/8-16X1-IN)	
	3	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1

<END>

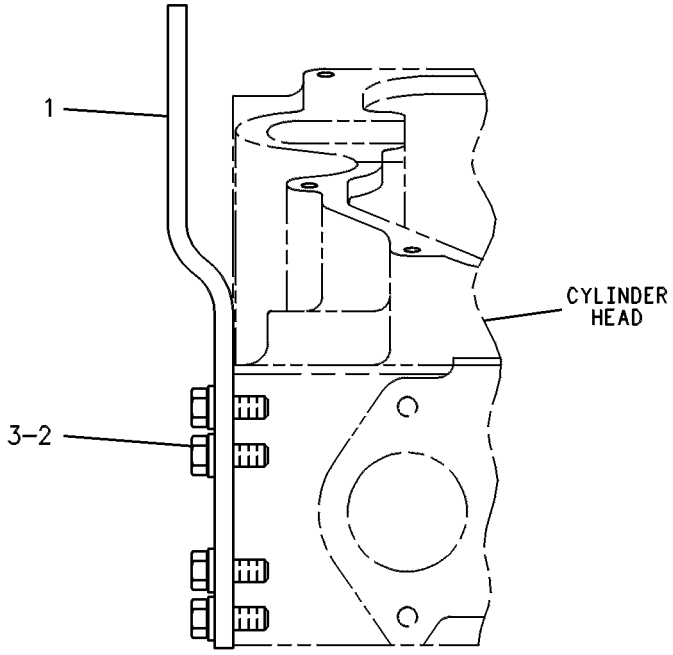
g00238169

111-2088 LIFTING GP-ENGINE

REAR, LOW PROFILE LIFTING EYE
AN ATTACHMENT

SMCS-1122 **i02332229**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**109-9985**	1	EYE-LIFTING	
	2	1	**0S-1594**	8	BOLT (3/8-16X1-IN)	
	3	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	



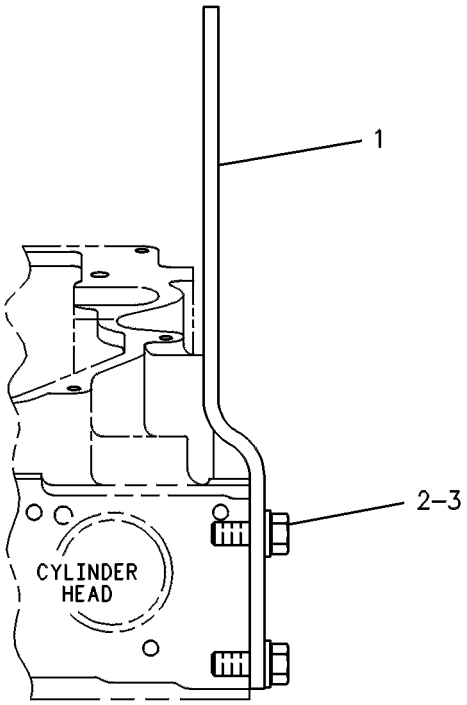
GRAPHIC #1 **<END>** g00238183

111-2089 LIFTING GP-ENGINE

FRONT- OFFSET LIFTING EYE
FOR USE WITH ALTERNATOR MOUNTING
AN ATTACHMENT

SMCS-1122 **i00833387**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**110-4344**	1	EYE-LIFTING	
	2	1	**0S-1595**	2	BOLT (1/2-13X1.25-IN)	
	3	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	



GRAPHIC #1 **<END>** g00238184

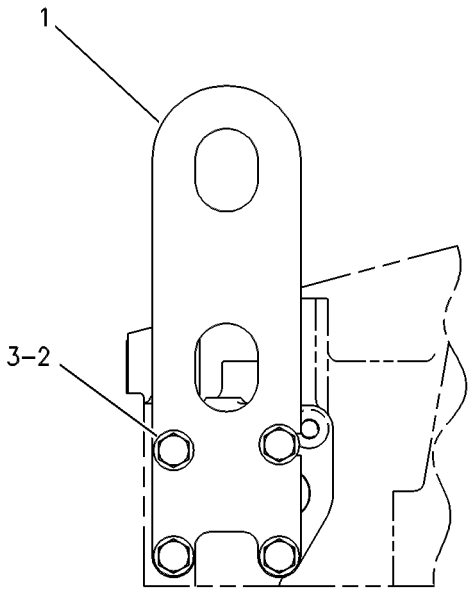
127-0564 LIFTING GP-ENGINE

FRONT

AN ATTACHMENT

SMCS-1122 **i00671604**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**127-0563**	1	EYE-LIFTING	
	2	1	**0S-1595**	4	BOLT (1/2-13X1.25-IN)	
	3	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3-MM THK)	



FRONT VIEW

GRAPHIC #1 **<END>** g00257294

BASIC ENGINE

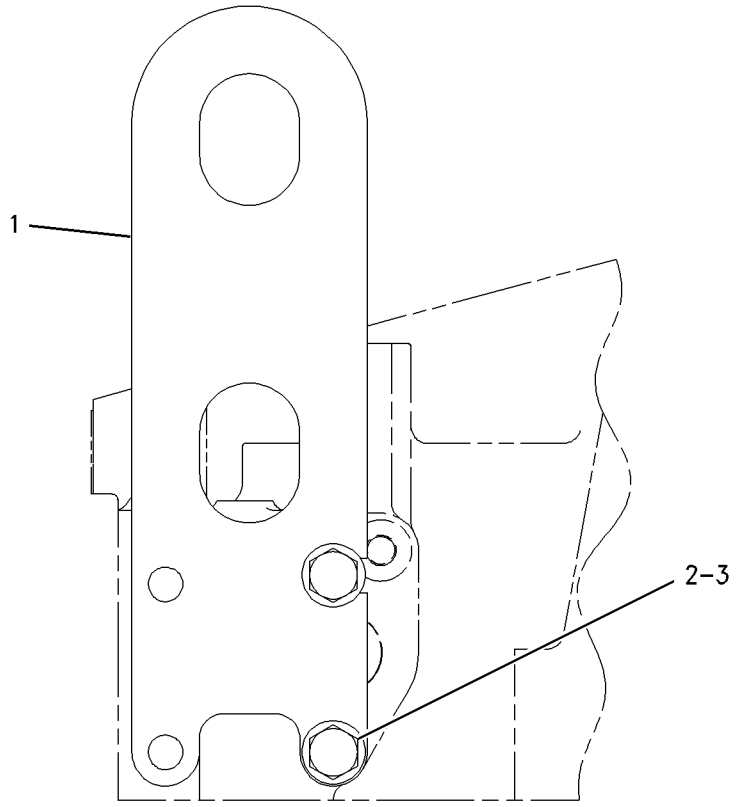
183-4462 LIFTING GP-ENGINE

FRONT

AN ATTACHMENT

SMCS-1122 **i01287720**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**127-0563**	1	EYE-LIFTING	
	2	1	**0S-1595**	2	BOLT (1/2-13X1.25-IN)	
	3	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	



FRONT VIEW

GRAPHIC #1 **<END>** g00682599

262-4165 LIFTING GP-ENGINE

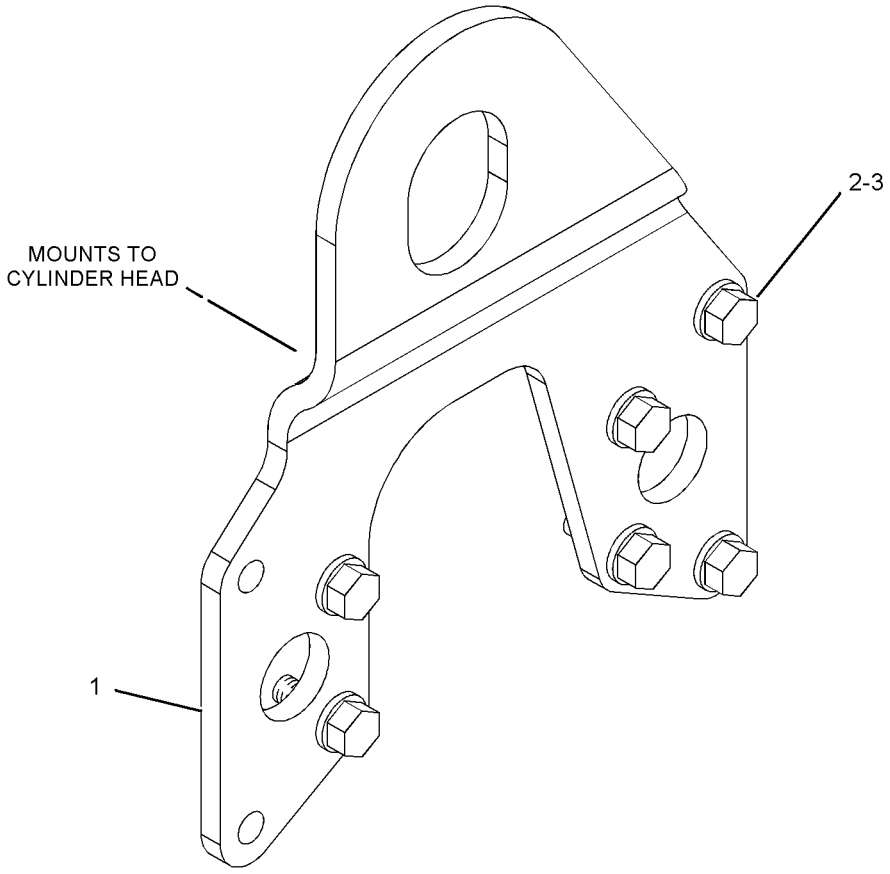
REAR

FOR USE WITH INSTRUMENT PANEL MECHANICAL GAGES, SINGLE AND TWIN TURBO

AN ATTACHMENT

SMCS-1122 **i02265296**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**109-9985**	1	EYE-LIFTING	
	2	1	**0S-1594**	6	BOLT (3/8-16X1-IN)	
	3	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01138869

BASIC ENGINE

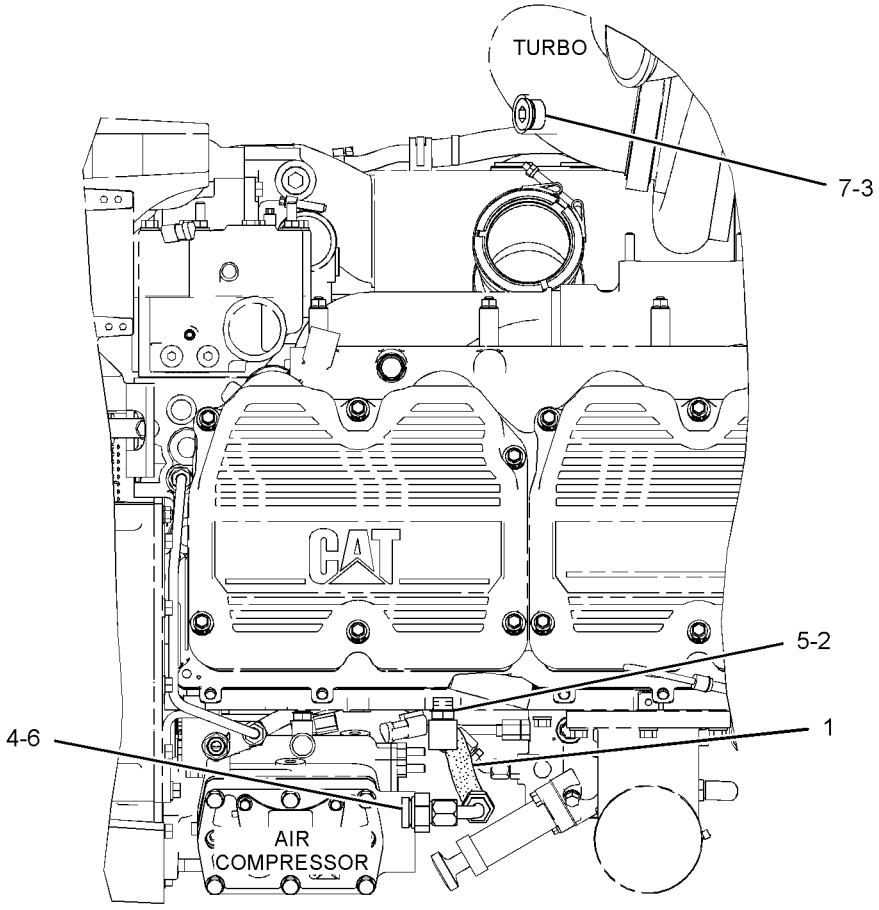
270-6924 LINES GP-AIR COMPRESSOR

FOR USE WITH 269-5347—PAGE 46. CANNOT BE USED WITH BA-921 OR BA-922 COMPRESSOR GP.
AN ATTACHMENT

SMCS-1803, 5502 **i02729023**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	1	1	**101-6605**	1	HOSE AS	
	2	1	**1P-7625**	1	ELBOW	
	3	1	**3D-2824**	1	SEAL-O-RING	
	4	1	**4K-1388**	1	SEAL-O-RING	
	5	1	**6V-6609**	1	SEAL-O-RING	
	6	1	**8K-0802**	1	CONNECTOR	
	7	1	**9S-8008**	1	PLUG-O-RING	

I-REFER TO HYDRAULIC INFORMATION SYSTEM



TOP VIEW OF ENGINE

GRAPHIC #1 **<END>** g01373789

270-8453 LINES GP-AIR COMPRESSOR

S/N: JRE1-864

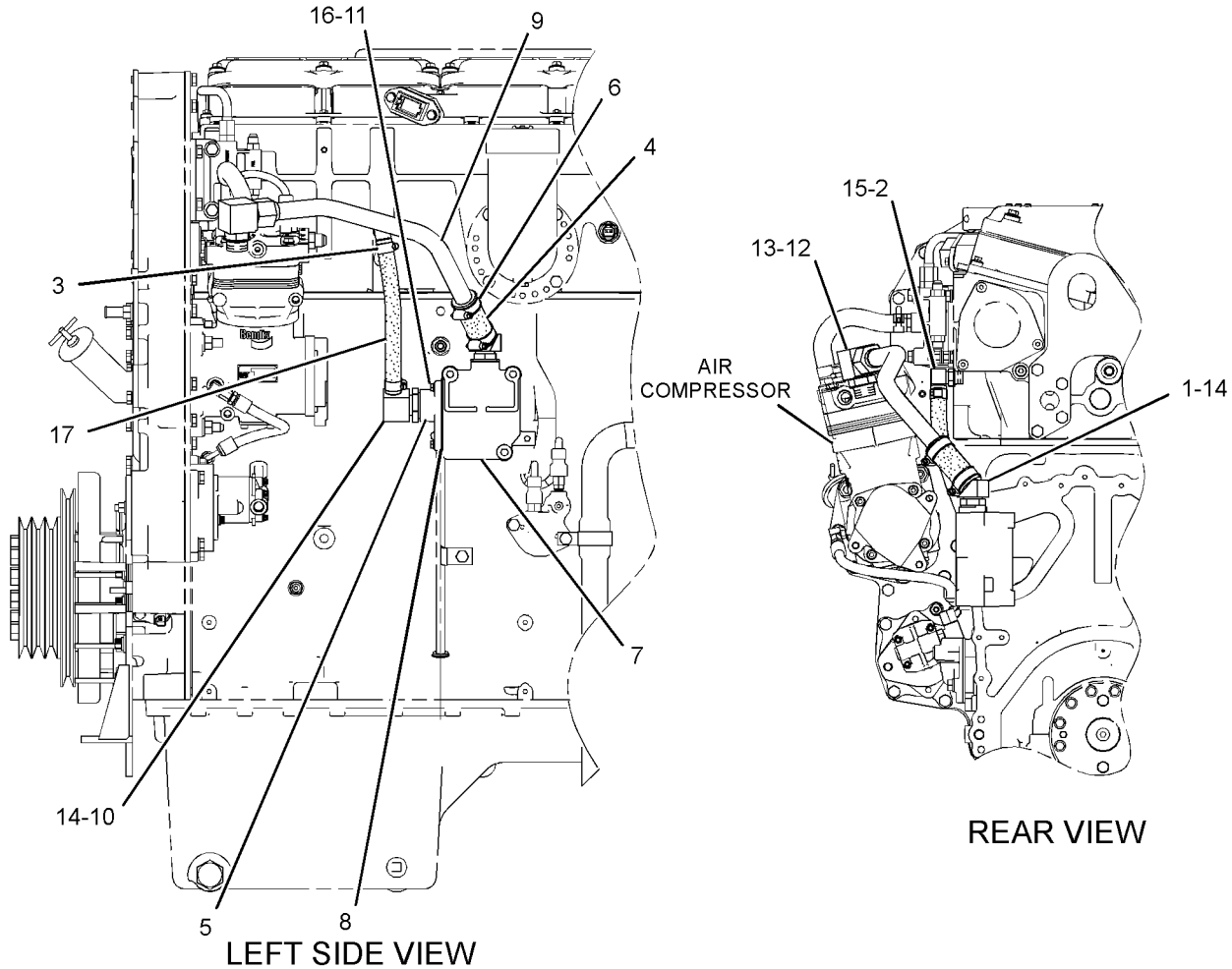
FOR USE WITH 271-4489—PAGE 762, 270-3935—PAGE 758. CANNOT BE USED WITH BA-922 AIR COMPRESSOR

AN ATTACHMENT

SMCS-1803, 5502 **i02415859**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-1230**	1	CONNECTOR	
	2	1	**5P-4906**	1	ELBOW	
	3	1	**124-6257**	2	CLAMP-HOSE	
	4	1	**240-4863**	1	HOSE	
	5	1	**240-5881**	1	VALVE AS (INLET, AIR COMPRESSOR)	
	6	1	**269-8788**	2	CLAMP-BAND	
	7	1	**243-3872**	1	CHAMBER (EXPANSION)	
	8	1	**245-4393**	1	GASKET	
	9	1	**270-8454**	1	TUBE AS	
	10	1	**090-0744**	1	ELBOW	
M	11	1	**2W-9499**	4	BOLT (M6X1X40-MM)	
	12	1	**5P-6416**	1	ELBOW	
	13	1	**6V-1903**	1	SEAL-O-RING	
	14	1	**6V-5050**	2	SEAL-O-RING	
	15	1	**8L-2786**	1	SEAL-O-RING	
	16	1	**9X-8267**	4	WASHER (6.6X12X2-MM THK)	
E	17	1	**5P-0743**		HOSE (24-CM)	

E-ORDER BY THE CENTIMETER
M-METRIC PART



GRAPHIC #1 **<END>** g01211547

BASIC ENGINE

270-8453 LINES GP-AIR COMPRESSOR

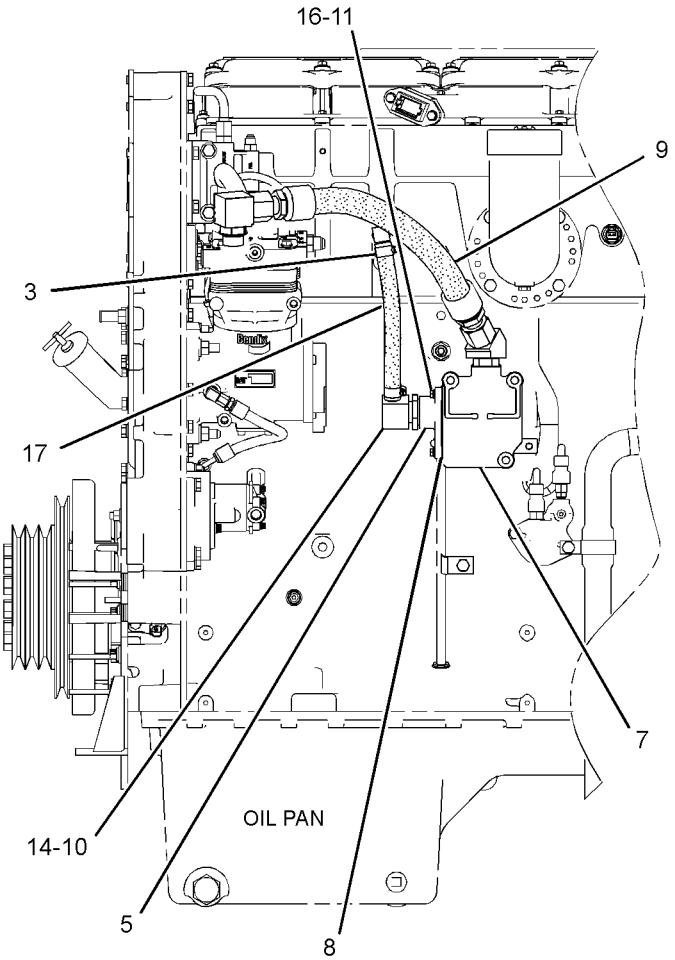
S/N: JRE865-UP

FOR USE WITH 271-4489—PAGE 762, 270-3935—PAGE 758. CANNOT BE USED WITH BA-922 AIR COMPRESSOR AN ATTACHMENT

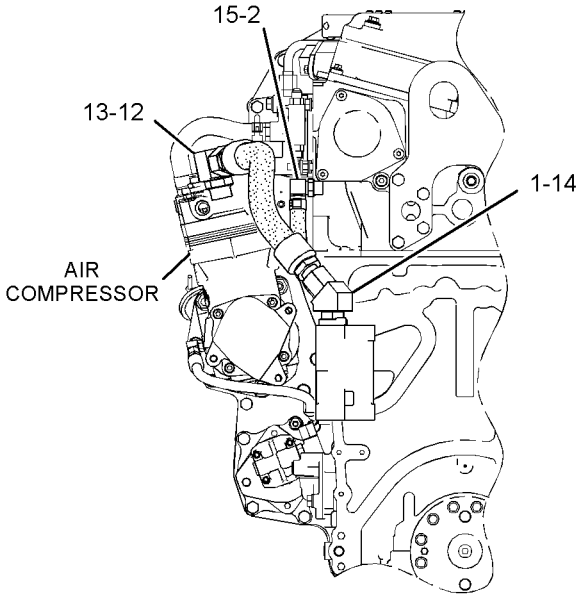
SMCS-1803, 5502 **i03626574**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**005-3969**	1	ELBOW	
	2	1	**5P-4906**	1	ELBOW	
	3	1	**124-6257**	2	CLAMP-HOSE	
	5	1	**240-5881**	1	VALVE AS (INLET, AIR COMPRESSOR)	
	7	1	**243-3872**	1	CHAMBER (EXPANSION)	
C	8	1	**250-6591**	1	GASKET	
	9	1	**304-9988**	1	HOSE AS	
	10	1	**090-0744**	1	ELBOW	
M	11	1	**2W-9499**	4	BOLT (M6X1X40-MM)	
	12	1	**5P-6416**	1	ELBOW	
	13	1	**6V-1903**	1	SEAL-O-RING	
	14	1	**6V-5050**	2	SEAL-O-RING	
	15	1	**8L-2786**	1	SEAL-O-RING	
	16	1	**9X-8267**	4	WASHER (6.6X12X2-MM THK)	
E	17	1	**5P-0743**		HOSE (24-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
M-METRIC PART



LEFT SIDE VIEW OF ENGINE



REAR VIEW OF ENGINE

GRAPHIC #1 **<END>** g01947615

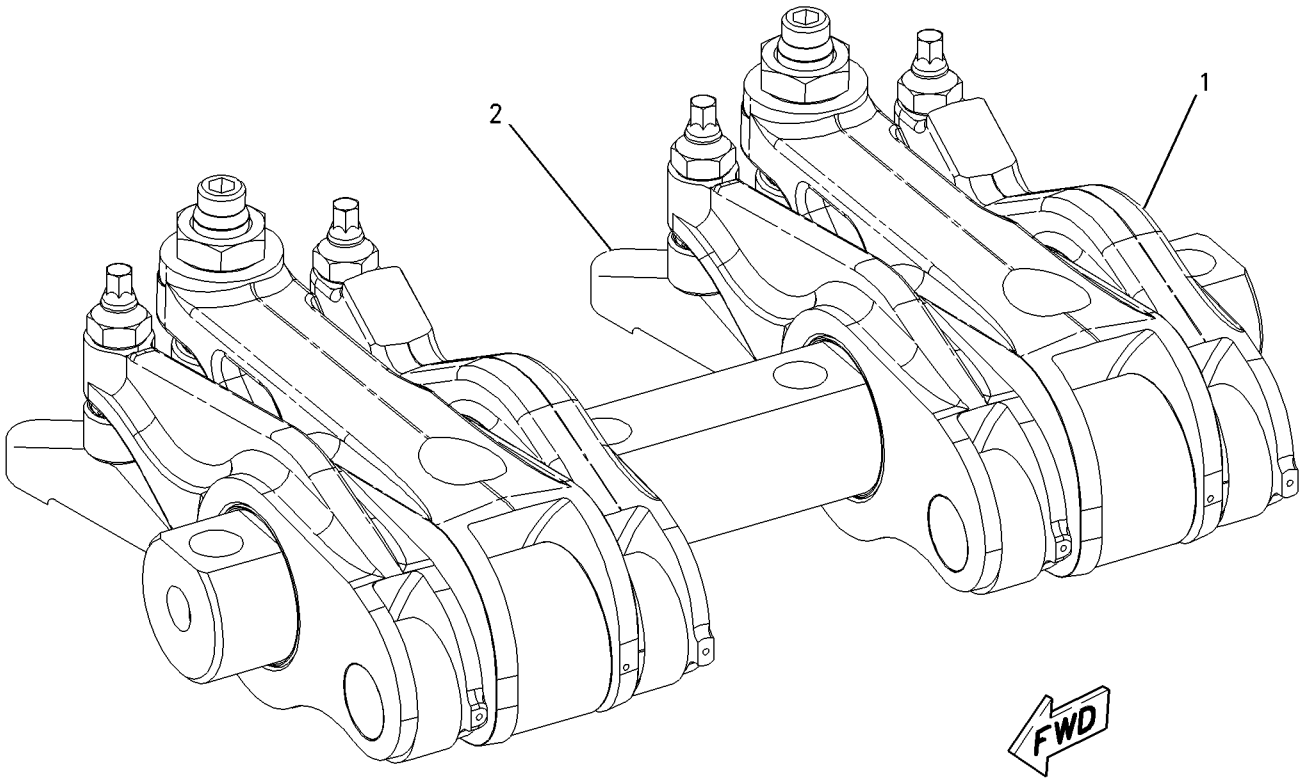
148-7482 MECHANISM GP-FUEL PUMP & VALVE

S/N: JRE106-1257

SMCS-1102, 1123 **i01768605**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*198-9898*	3	ROCKER ARM GP	378
	2	1	**6I-1458**	12	BRIDGE-VALVE	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00905240

BASIC ENGINE

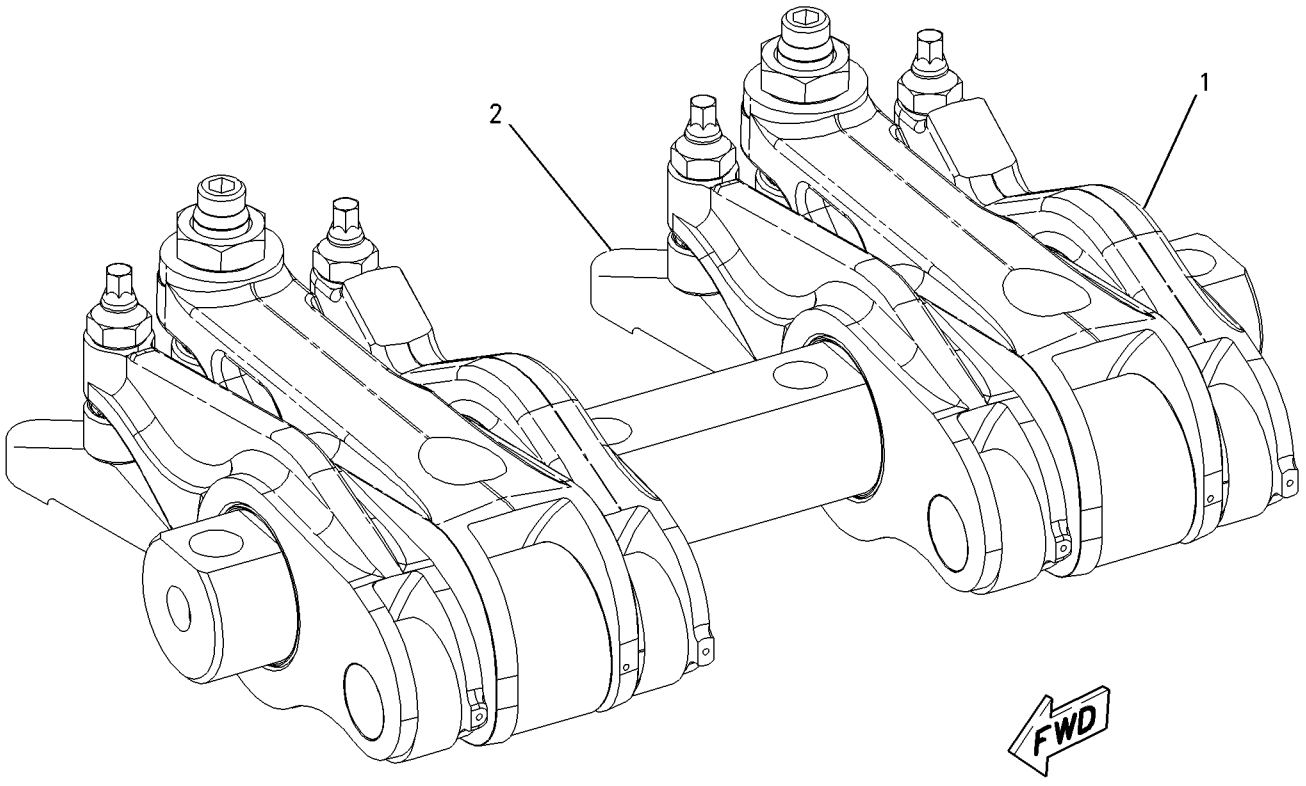
148-7482 MECHANISM GP-FUEL PUMP & VALVE

S/N: JRE1258-1269

SMCS-1102, 1123 **i02473408**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*278-1931*	3	ROCKER ARM GP	382
	2	1	**6I-1458**	12	BRIDGE-VALVE	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00905240

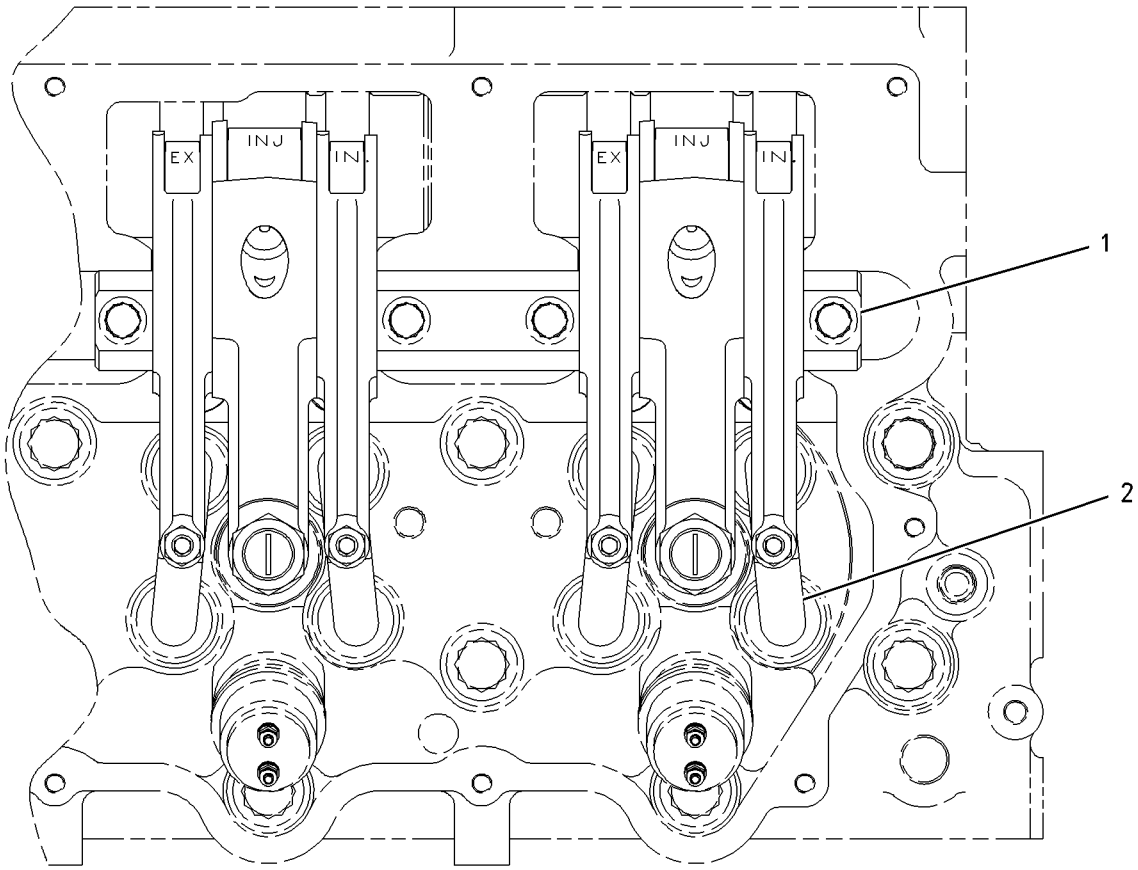
190-0009 MECHANISM GP-FUEL PUMP & VALVE

S/N: JRE1-1268
AN ATTACHMENT

SMCS-1102, 1123 **i01720206**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*210-2521*	3	ROCKER ARM GP	380
	2	1	**6I-1458**	12	BRIDGE-VALVE	

Y-SEPARATE ILLUSTRATION



TOP VIEW

GRAPHIC #1 **<END>** g00814910

BASIC ENGINE

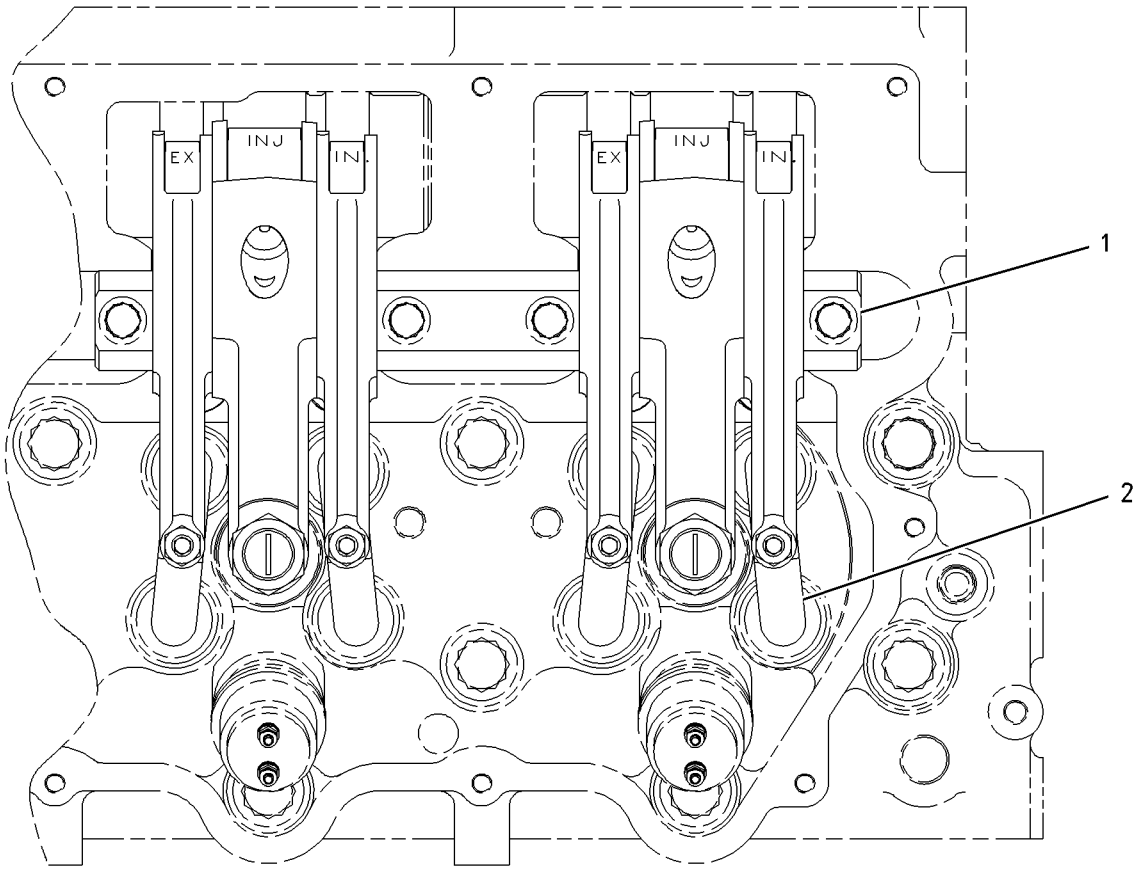
190-0009 MECHANISM GP-FUEL PUMP & VALVE

S/N: JRE1269-UP
ALSO AN ATTACHMENT

SMCS-1102, 1123 **i02518515**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*278-1929*	3	ROCKER ARM GP	381
	2	1	**6I-1458**	12	BRIDGE-VALVE	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



TOP VIEW

GRAPHIC #1 **<END>** g00814910

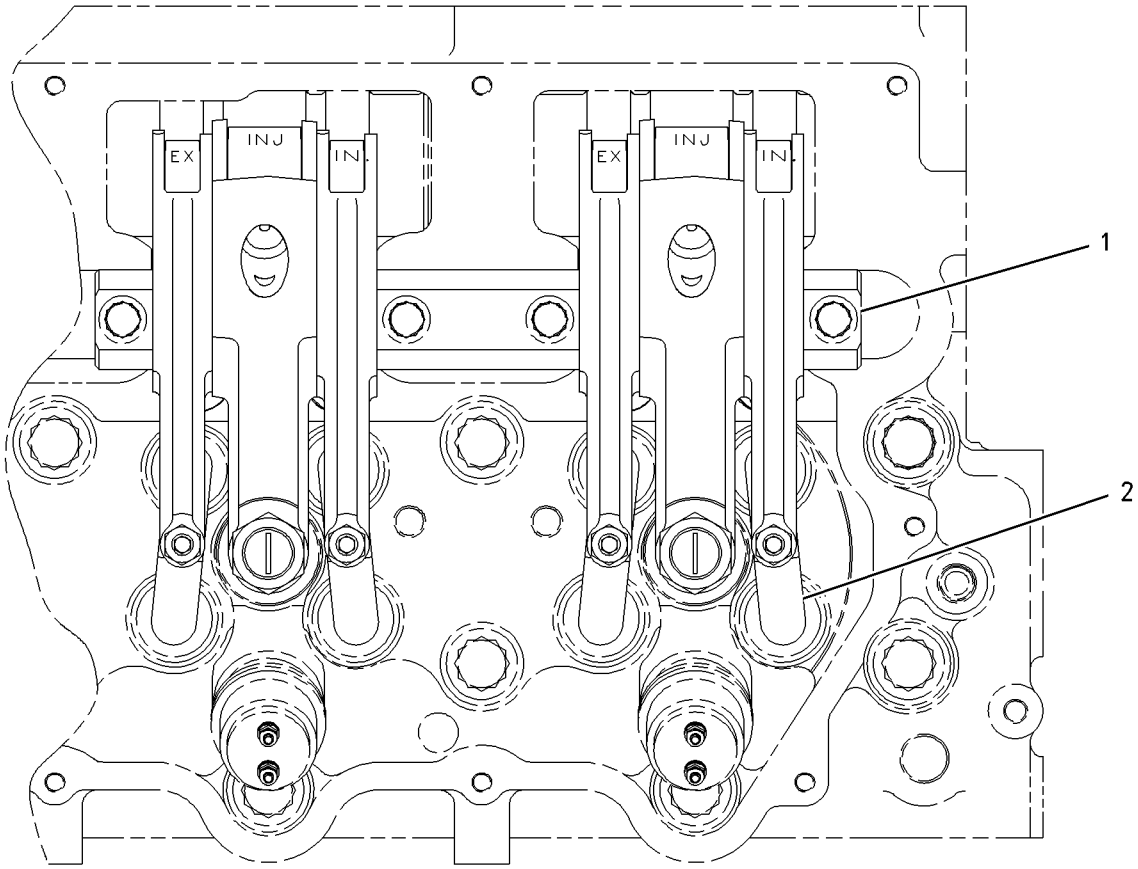
190-0009 MECHANISM GP-FUEL PUMP & VALVE

ALSO AN ATTACHMENT

SMCS-1102, 1123 **i03325201**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*328-4236*	3	ROCKER ARM GP	387
	2	1	**6I-1458**	12	BRIDGE-VALVE	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



TOP VIEW

GRAPHIC #1 **<END>** g00814910

BASIC ENGINE

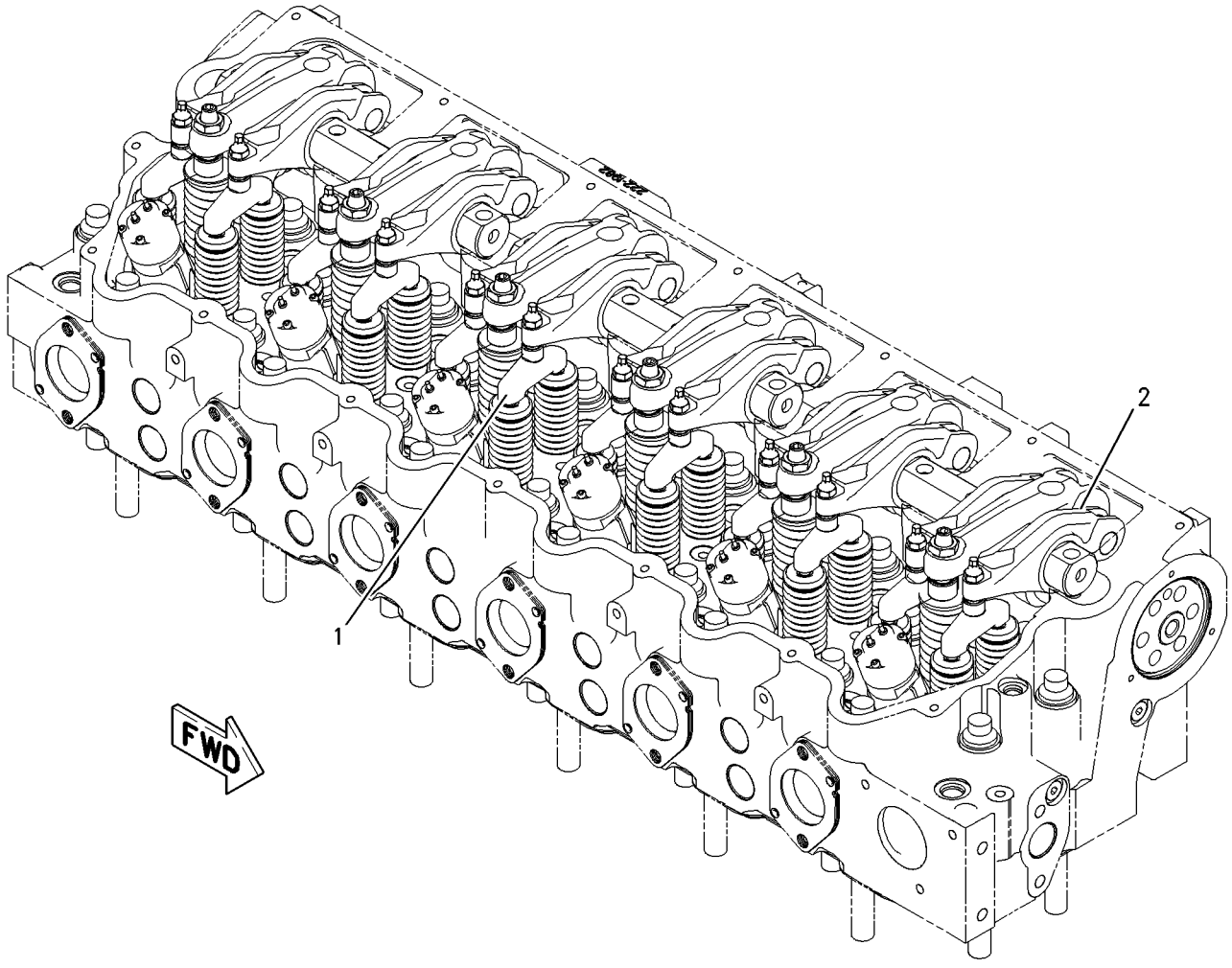
266-3699 MECHANISM GP-FUEL PUMP & VALVE

ALSO AN ATTACHMENT

SMCS-1102, 1123 **i03484981**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-1458**	12	BRIDGE-VALVE	
CY	2	1	*328-4242*	3	ROCKER ARM GP	389

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01002983

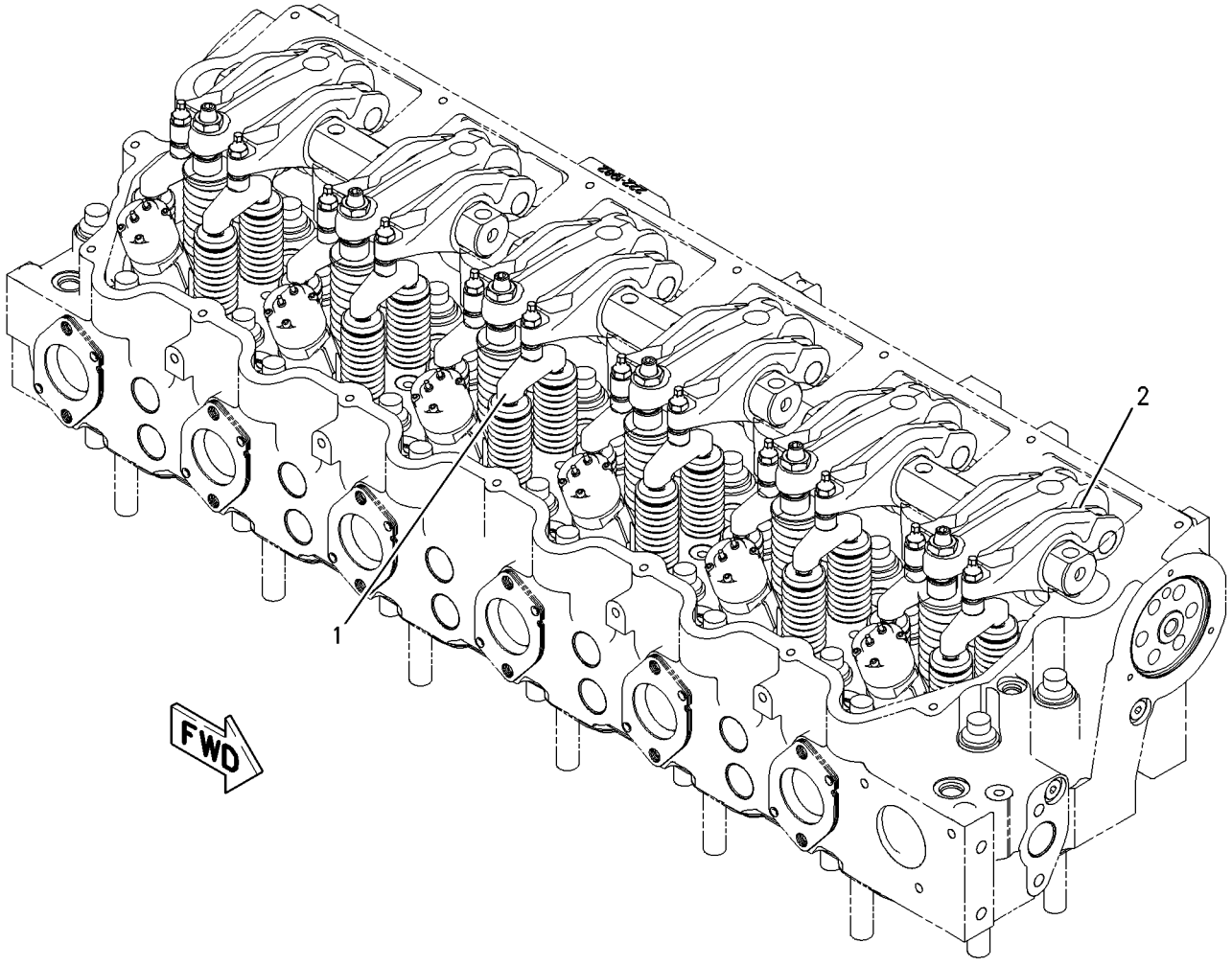
266-3699 MECHANISM GP-FUEL PUMP & VALVE

S/N: JRE2682-4360, 9895-UP
ALSO AN ATTACHMENT

SMCS-1102, 1123 **i03026784**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-1458**	12	BRIDGE-VALVE	
CY	2	1	*278-1938*	3	ROCKER ARM GP	383

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01002983

247-5711 MOUNTING GP-AIR COMPRESSOR

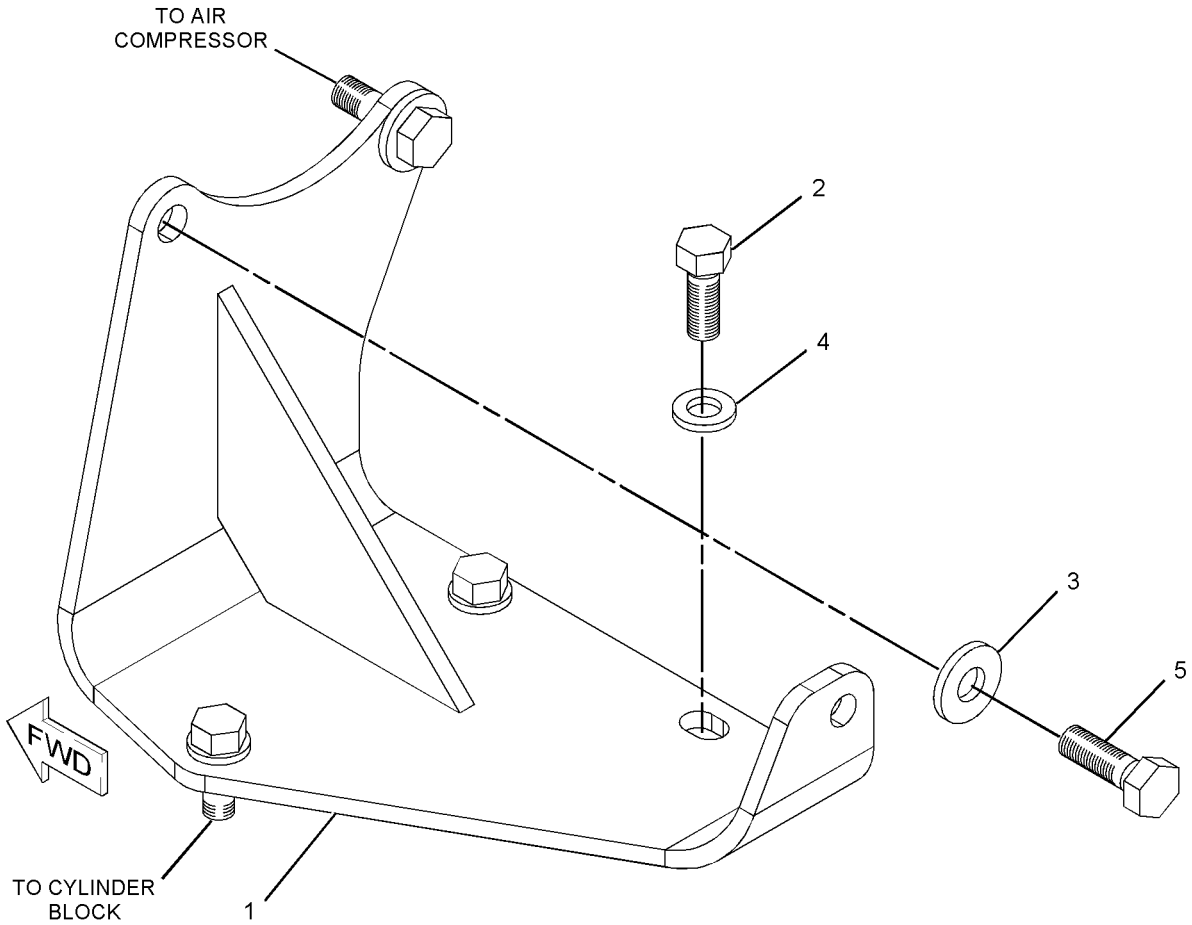
S/N: JRE1-2756

FOR USE WITH BA-922 AIR COMPRESSOR, AIR COOLED OR FUEL COOLED VERSION.
CANNOT BE USED WITH LOW AND MID MOUNT FUEL LINES
AN ATTACHMENT

SMCS-1803 **i02195513**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**247-5712**	1	BRACKET AS	
	2	1	**0S-1594**	3	BOLT (3/8-16X1-IN)	
	3	1	**3E-4353**	2	WASHER-HARD (11X25X3-MM THK)	
	4	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
M	5	1	**6V-1820**	2	BOLT (M10X1.5X30-MM)	

M-METRIC PART



GRAPHIC #1 **<END>** g01121902

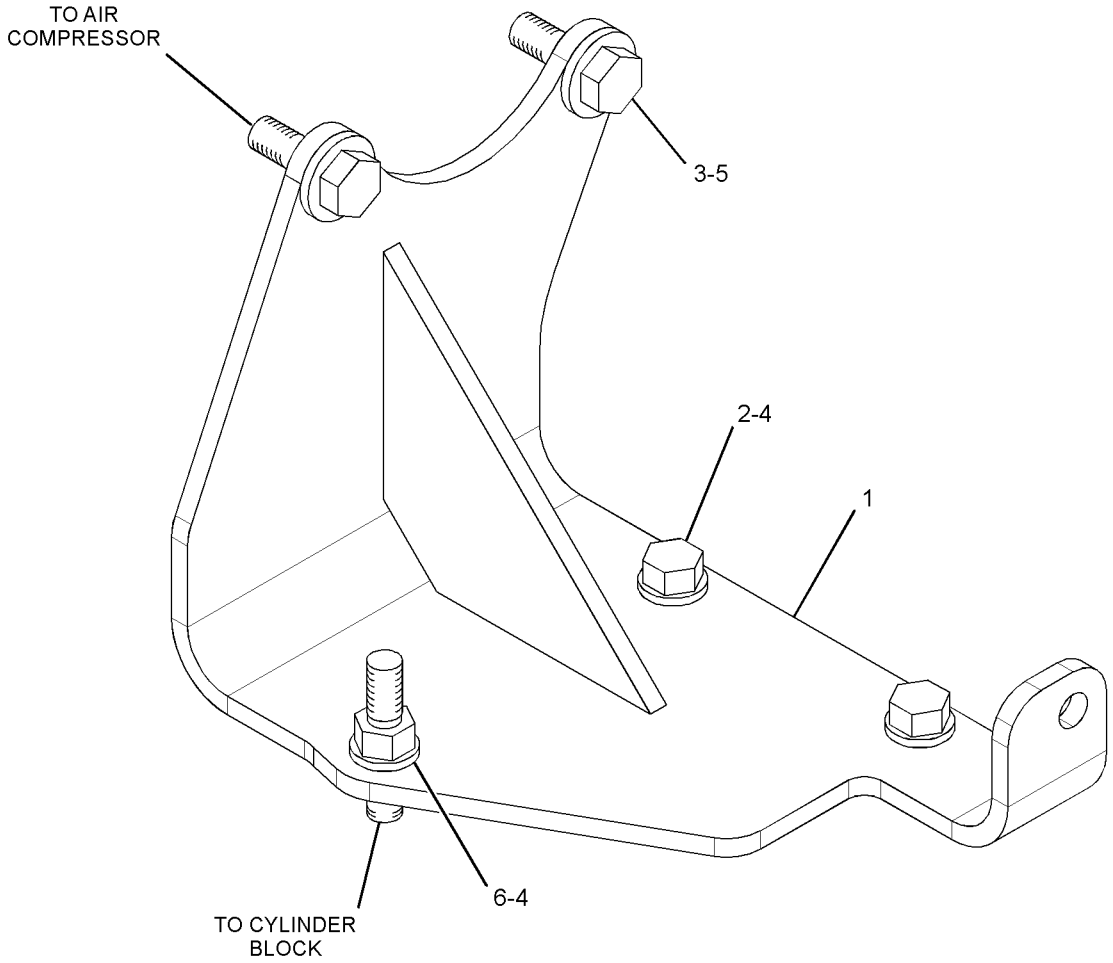
247-5711 MOUNTING GP-AIR COMPRESSOR

S/N: JRE2757-UP
FOR USE WITH BA-922 AIR COMPRESSOR, AIR COOLED OR FUEL COOLED VERSION.
CANNOT BE USED WITH LOW AND MID MOUNT FUEL LINES
AN ATTACHMENT

SMCS-1803 **i02733270**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**247-5712**	1	BRACKET AS	
C	2	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	3	1	**3E-4353**	2	WASHER-HARD (11X25X3-MM THK)	
	4	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
M	5	1	**6V-1820**	2	BOLT (M10X1.5X30-MM)	
C	6	1	**174-9599**	1	STUD (3/8-16-THD)	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART



GRAPHIC #1 **<END>** g01377040

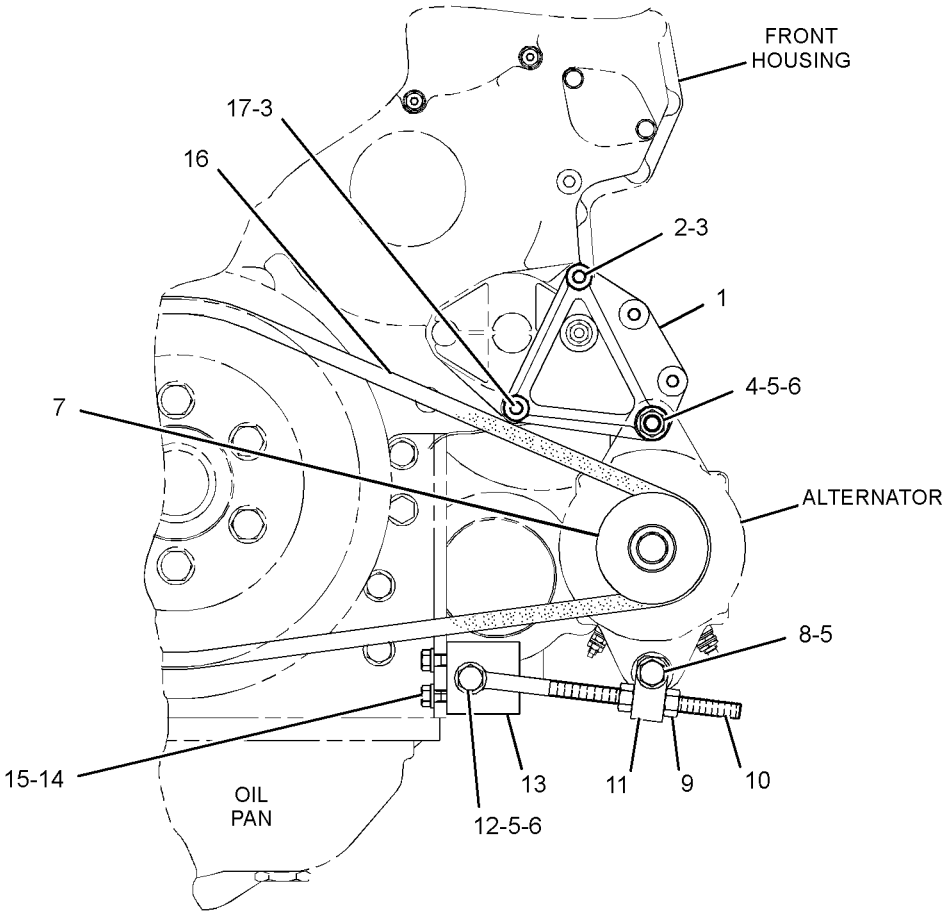
9E-5816 MOUNTING GP-ALTERNATOR

FOR USE WITH SUMMIT BLOCK. CANNOT BE USED WITH FRONT MOUNTED FUEL TRANSFER PUMP

AN ATTACHMENT

SMCS-1154, 1405 **i02728530**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**186-3651**	1	BRACKET	
	2	1	**6V-2605**	1	STUD-TAPERLOCK	
	3	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	4	1	**9H-8260**	1	BOLT (1/2-13X6.25-IN)	
	5	1	**5P-8245**	5	WASHER-HARD (13.5X25.5X3-MM THK)	
	6	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	7	1	**1W-1456**	1	PULLEY-ALTERNATOR	
	8	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	9	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	10	1	**4N-4941**	1	ROD-ADJUSTMENT	
	11	1	**8S-5383**	1	BLOCK	
	12	1	**9S-1366**	1	BOLT (1/2-13X2.5-IN)	
	13	1	**7W-5520**	1	BLOCK	
	14	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	15	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**6N-0341**	1	V-BELT (ALTERNATOR)	
	17	1	**1S-9130**	1	STUD (3/8-16X3.03-IN)	



FRONT VIEW OF ENGINE

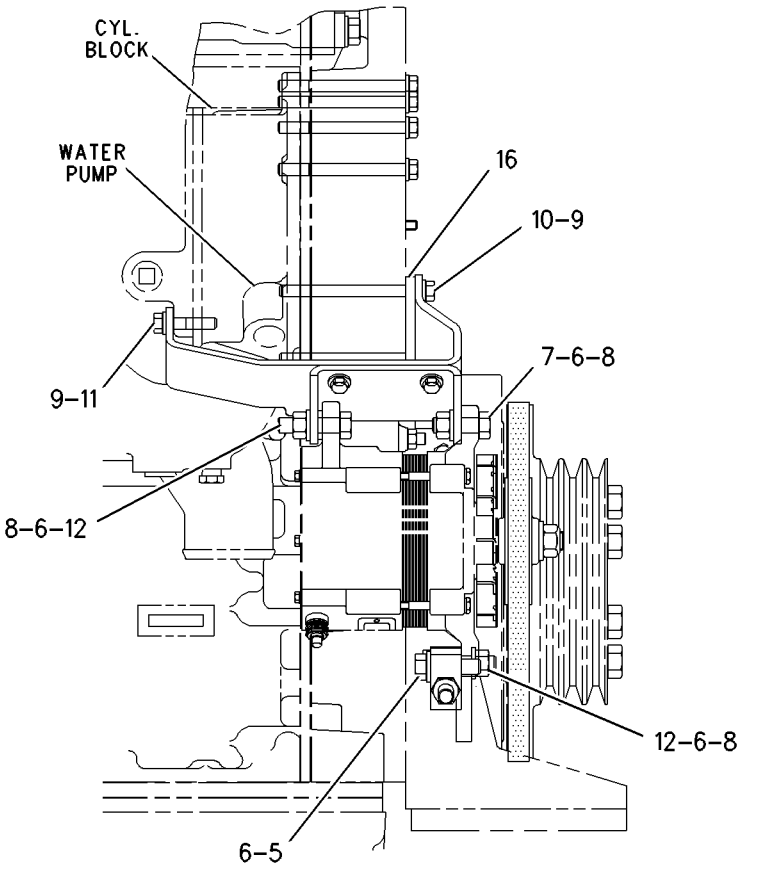
GRAPHIC #1 **<END>** g01373723

9E-6169 MOUNTING GP-ALTERNATOR

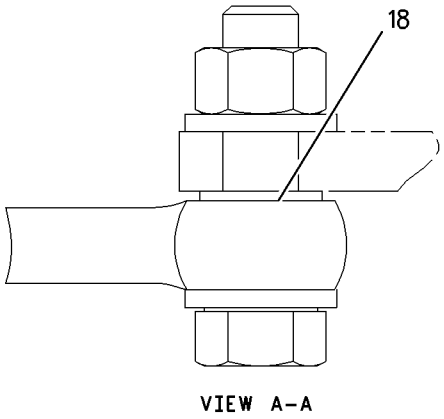
S/N: JRE1-10299
RH
AN ATTACHMENT

SMCS-1154, 1405 **i03212000**

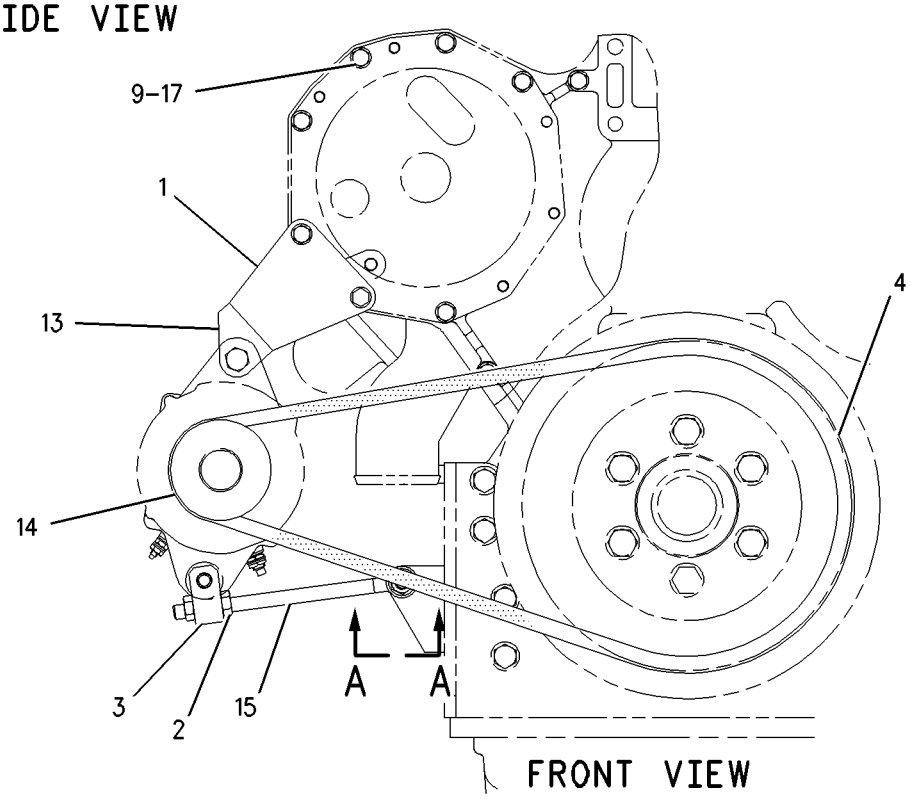
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-6677**	1	BRACKET	
	2	1	**1B-4430**	2	NUT-JAM (1/2-20-THD)	
	3	1	**8S-5383**	1	BLOCK	
	4	1	**4N-8216**	1	V-BELT (ALTERNATOR)	
	5	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	6	1	**5P-8245**	5	WASHER-HARD (13.5X25.5X3-MM THK)	
	7	1	**0S-1585**	1	BOLT (1/2-13X1.5-IN)	
	8	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	9	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**1A-5183**	2	BOLT (3/8-16X4.75-IN)	
	11	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	12	1	**1A-1460**	2	BOLT (1/2-13X2-IN)	
	13	1	**4N-4943**	1	BRACKET	
	14	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	15	1	**5R-2994**	1	ROD-PULLEY ADJUSTMENT	
	16	1	**9Y-1603**	1	SPACER (7.9-MM THK)	
	17	1	**0T-0055**	5	BOLT (3/8-16X4.25-IN)	
	18	1	**0L-1365**	1	WASHER (1.6-MM THK)	



RIGHT SIDE VIEW



VIEW A-A



FRONT VIEW

GRAPHIC #1 **<END>** g00987550

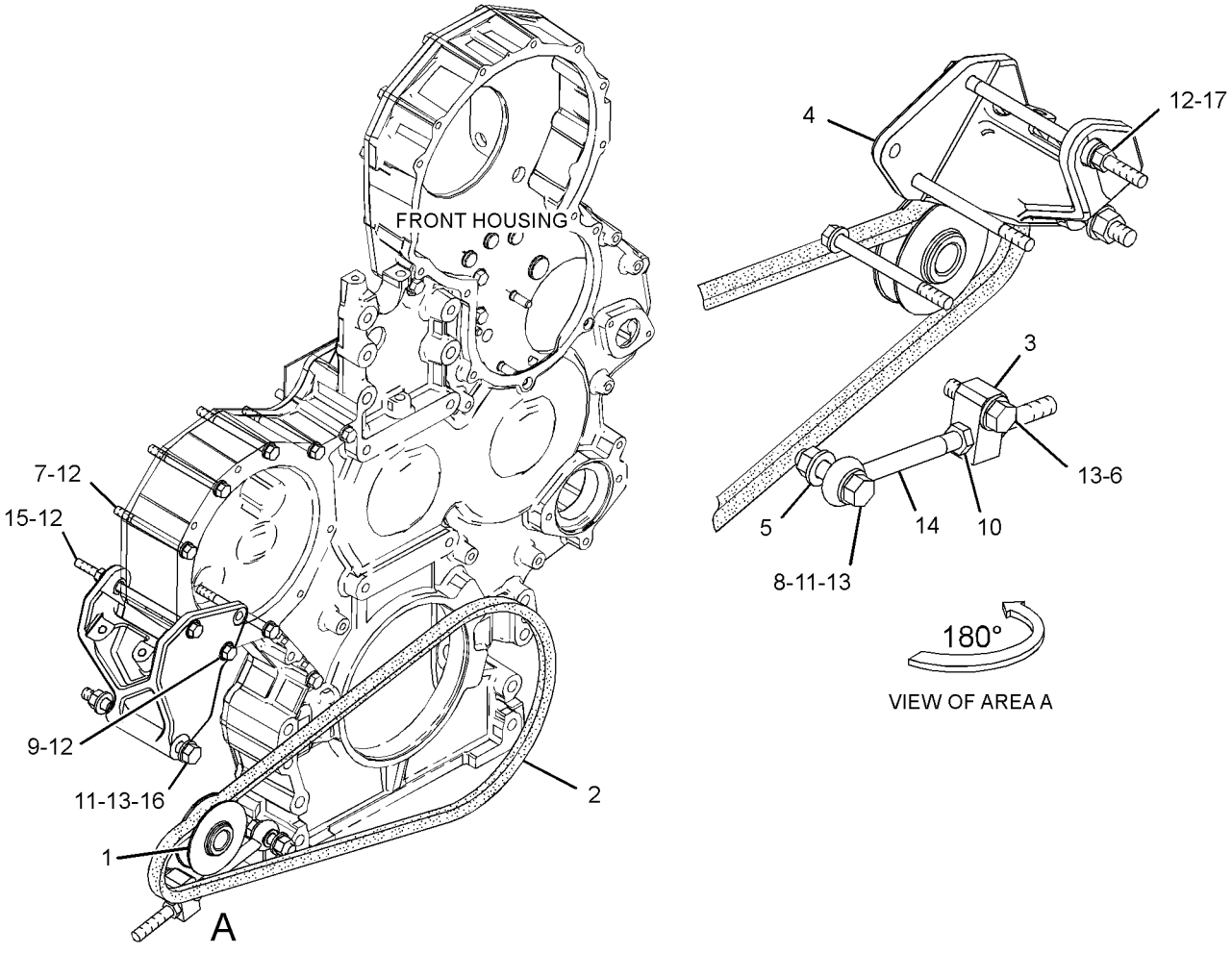
9E-6169 MOUNTING GP-ALTERNATOR

S/N: JRE10300-UP
RH
AN ATTACHMENT

SMCS-1154, 1405 **i03649525**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	2	1	**4N-8216**	1	V-BELT (ALTERNATOR)	
	3	1	**8S-5383**	1	BLOCK	
C	4	1	*332-4697*	1	SUPPORT AS	
		1	**272-1900**	1	BUSHING	
		1	**332-4696**	1	BRACKET-SUPPORT	
	5	1	**0L-1365**	1	WASHER (1.6-MM THK)	
	6	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	7	1	**0T-0055**	5	BOLT (3/8-16X4.25-IN)	
C	8	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	9	1	**1A-5964**	1	BOLT (3/8-16X4.5-IN)	
	10	1	**1B-4430**	2	NUT-JAM (1/2-20-THD)	
C	11	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	12	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	**5P-8245**	5	WASHER-HARD (13.5X25.5X3-MM THK)	
	14	1	**5R-2994**	1	ROD-PULLEY ADJUSTMENT	
C	15	1	**6L-7283**	1	BOLT (3/8-16X7-IN)	
C	16	1	**7X-0339**	1	BOLT (1/2-13X6.25-IN)	
C	17	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01878216

BASIC ENGINE

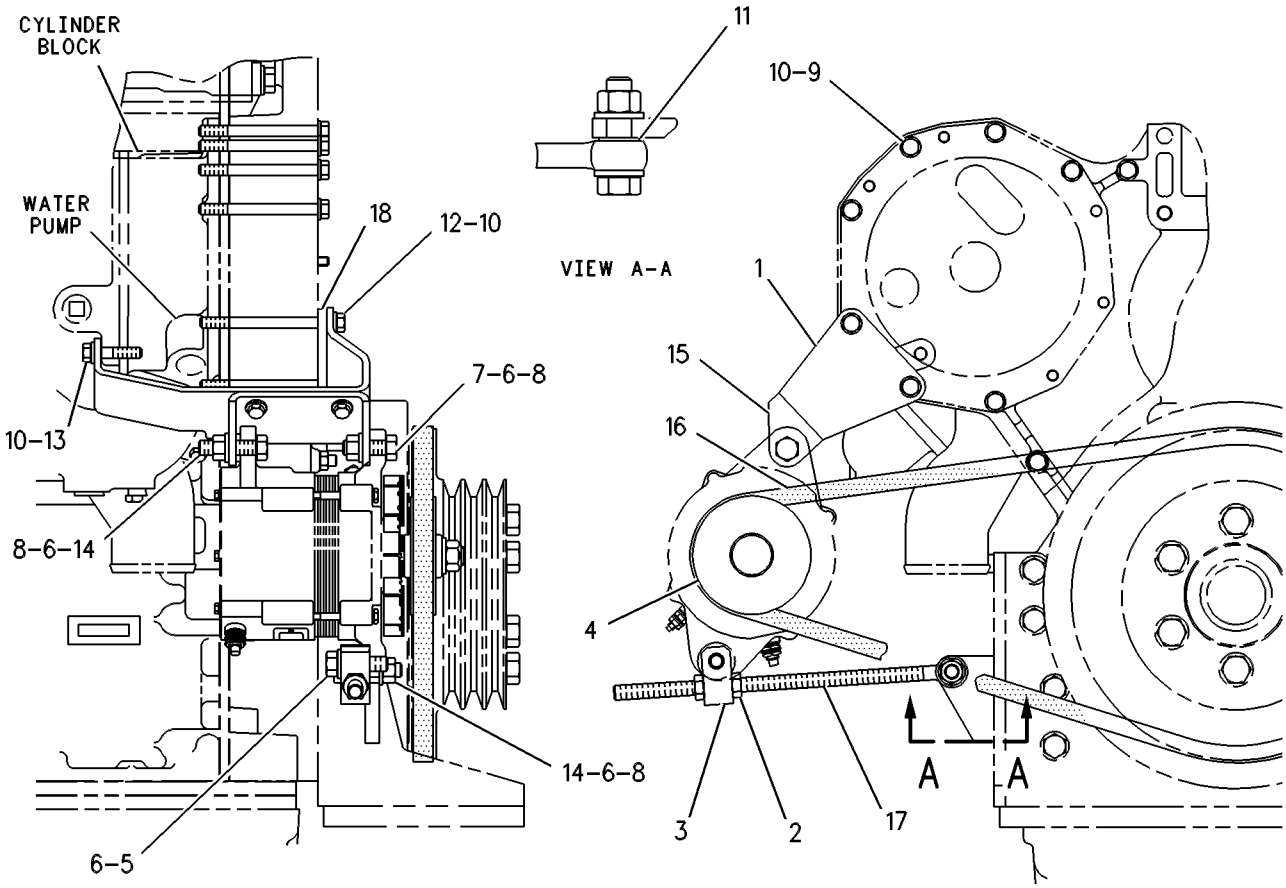
118-3419 MOUNTING GP-ALTERNATOR

S/N: JRE1-742
RH
FOR USE WITH 118-3359—PAGE 396
AN ATTACHMENT

SMCS-1154, 1405 **i03212001**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-6677**	1	BRACKET	
	2	1	**1B-4430**	2	NUT-JAM (1/2-20-THD)	
	3	1	**8S-5383**	1	BLOCK	
	4	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	5	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	6	1	**5P-8245**	5	WASHER-HARD (13.5X25.5X3-MM THK)	
	7	1	**0S-1585**	1	BOLT (1/2-13X1.5-IN)	
	8	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	9	1	**0T-0055**	5	BOLT (3/8-16X4.25-IN)	
	10	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	11	1	**0L-1365**	1	WASHER (1.6-MM THK)	
	12	1	**1A-5183**	2	BOLT (3/8-16X4.75-IN)	
	13	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	14	1	**1A-1460**	2	BOLT (1/2-13X2-IN)	
	15	1	**4N-4943**	1	BRACKET	
	16	1	**6N-7135**	1	V-BELT (ALTERNATOR)	
	17	1	**7E-6879**	1	ROD-ADJUSTMENT	
	18	1	**9Y-1603**	1	SPACER (7.9-MM THK)	

118-3419 **MOUNTING GP-ALTERNATOR** *(contd.)* **i03212001**



RIGHT SIDE VIEW

FRONT VIEW

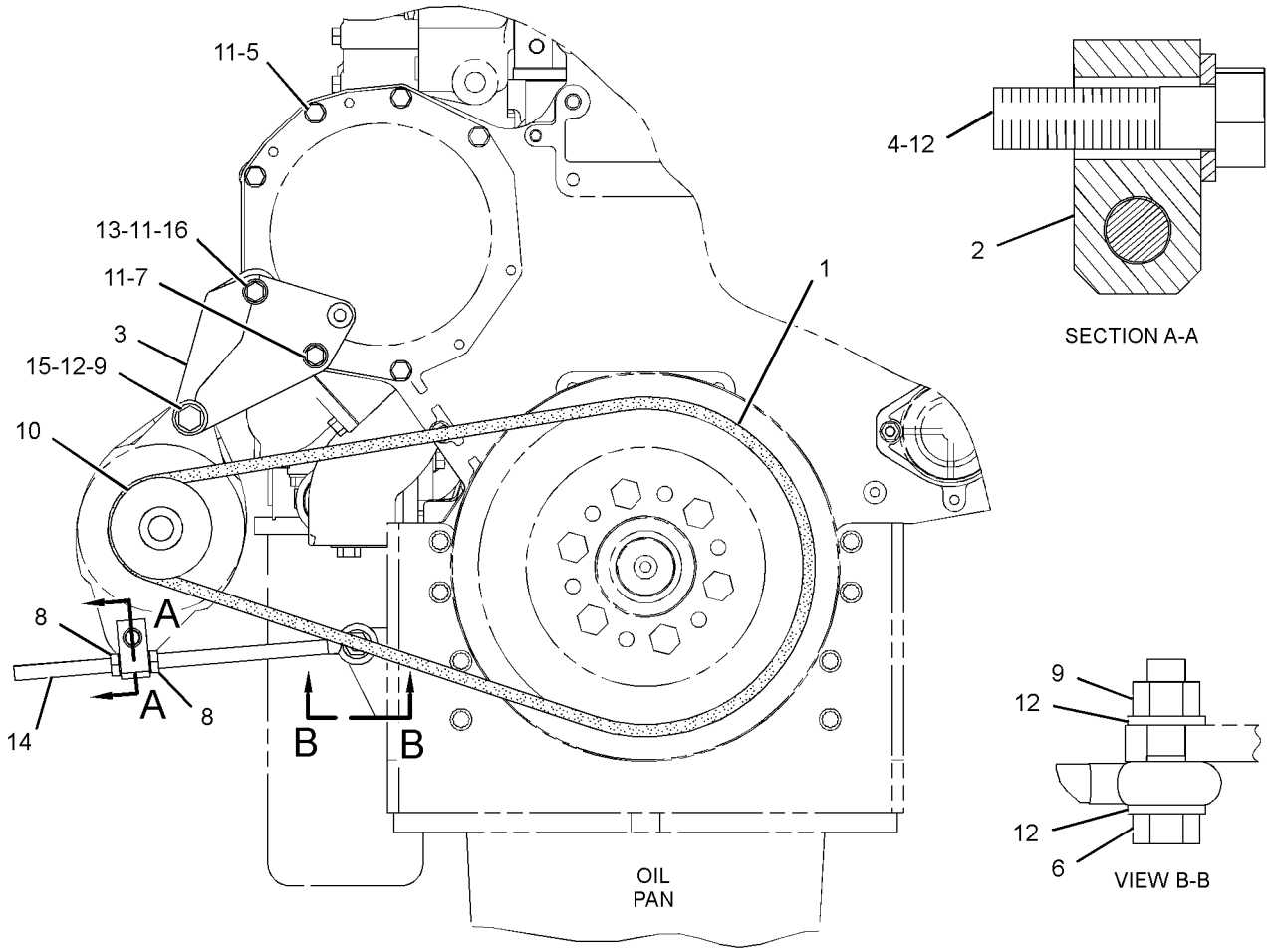
GRAPHIC #1 **<END>** g00269214

118-3419 MOUNTING GP-ALTERNATOR

S/N: JRE743-UP
RH
FOR USE WITH 118-3359—PAGE 396
AN ATTACHMENT

SMCS-1154, 1405 **i03621544**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-7135**	1	V-BELT (ALTERNATOR)	
	2	1	**8S-5383**	1	BLOCK	
	3	1	**332-4697**	1	SUPPORT AS	
		1	**272-1900**		BUSHING	
	4	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	5	1	**0T-0055**	4	BOLT (3/8-16X4.25-IN)	
	6	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	7	1	**1A-5964**	1	BOLT (3/8-16X4.5-IN)	
	8	1	**1B-4430**	2	NUT-JAM (1/2-20-THD)	
	9	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	10	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	11	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	12	1	**5P-8245**	5	WASHER-HARD (13.5X25.5X3-MM THK)	
	13	1	**6L-7283**	1	BOLT (3/8-16X7-IN)	
	14	1	**7E-6879**	1	ROD-ADJUSTMENT	
	15	1	**7X-0339**	1	BOLT (1/2-13X6.25-IN)	
	16	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	



FRONT VIEW OF ENGINE

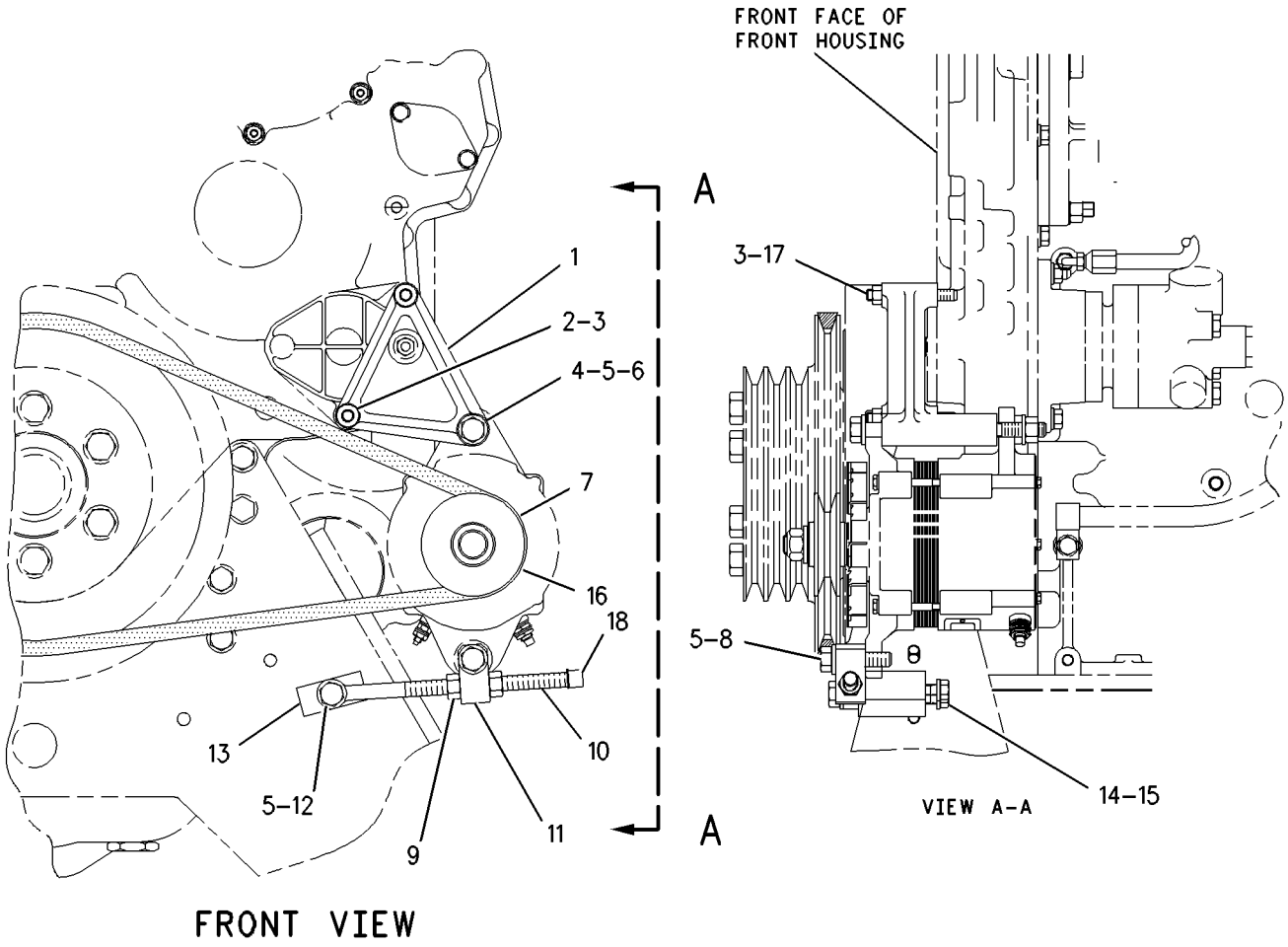
GRAPHIC #1 **<END>** g01886501

135-4941 MOUNTING GP-ALTERNATOR

LOWER LH FRONT
FOR USE WITH 135-4326—PAGE 398
AN ATTACHMENT

SMCS-1154, 1405 **i03212005**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**120-6955**	1	BRACKET	
	2	1	**1S-9130**	1	STUD (3/8-16X3.03-IN)	
	3	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	4	1	**9H-8260**	1	BOLT (1/2-13X6.25-IN)	
	5	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3-MM THK)	
	6	1	**1F-7958**	1	NUT-FULL (1/2-13-THD)	
	7	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	8	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	9	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	10	1	**9L-5134**	1	ROD	
	11	1	**8S-5383**	1	BLOCK	
	12	1	**0S-1585**	1	BOLT (1/2-13X1.5-IN)	
	13	1	**7W-5520**	1	BLOCK	
	14	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	15	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**4N-8216**	1	V-BELT (ALTERNATOR)	
	17	1	**6V-2605**	1	STUD-TAPERLOCK	
	18	1	**7W-4176**	1	CAP-SEALING	



FRONT VIEW

GRAPHIC #1 **<END>** g00902238

BASIC ENGINE

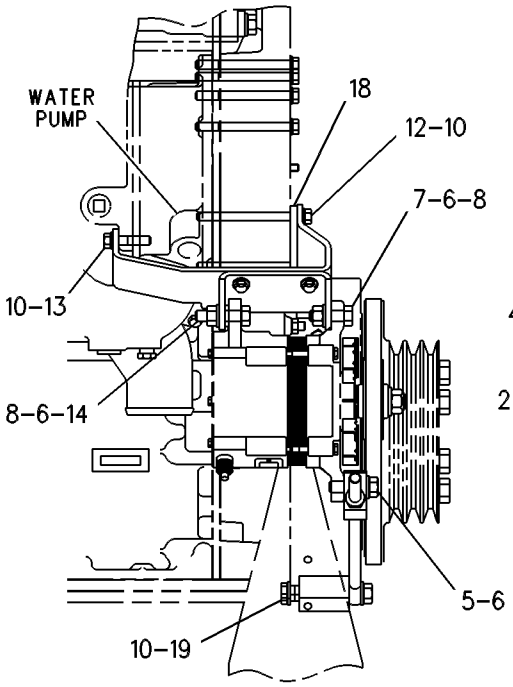
135-5077 MOUNTING GP-ALTERNATOR

S/N: JRE1-10302
LOWER RH FRONT
FOR USE WITH 135-4326—PAGE 398
AN ATTACHMENT

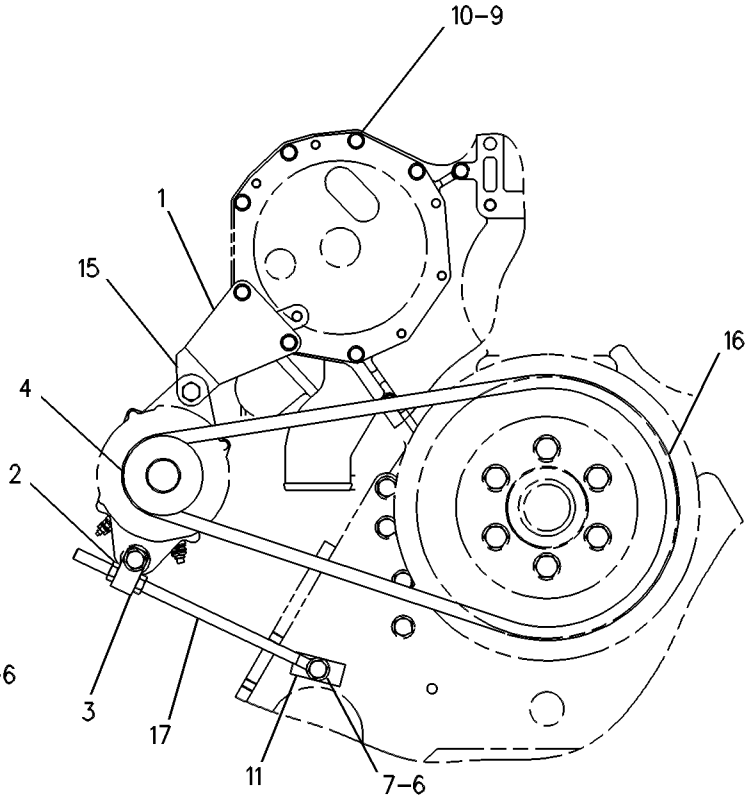
SMCS-1154, 1405 **i03212008**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-6677**	1	BRACKET	
	2	1	**1B-4430**	2	NUT-JAM (1/2-20-THD)	
	3	1	**8S-5383**	1	BLOCK	
	4	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	5	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	6	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3-MM THK)	
	7	1	**0S-1585**	2	BOLT (1/2-13X1.5-IN)	
	8	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	9	1	**0T-0055**	5	BOLT (3/8-16X4.25-IN)	
	10	1	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	11	1	**7W-5520**	1	BLOCK	
	12	1	**1A-5183**	2	BOLT (3/8-16X4.75-IN)	
	13	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	14	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	15	1	**4N-4943**	1	BRACKET	
	16	1	**6N-7135**	1	V-BELT (ALTERNATOR)	
	17	1	**7E-6879**	1	ROD-ADJUSTMENT	
	18	1	**9Y-1603**	1	SPACER (7.9-MM THK)	
	19	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	

135-5077 **MOUNTING GP-ALTERNATOR** *(contd.)* **i03212008**



RIGHT SIDE VIEW



FRONT VIEW

GRAPHIC #1 **<END>** g00270780

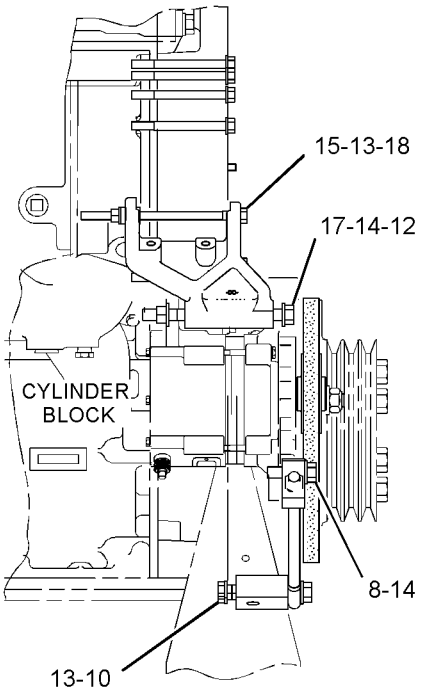
BASIC ENGINE

135-5077 MOUNTING GP-ALTERNATOR

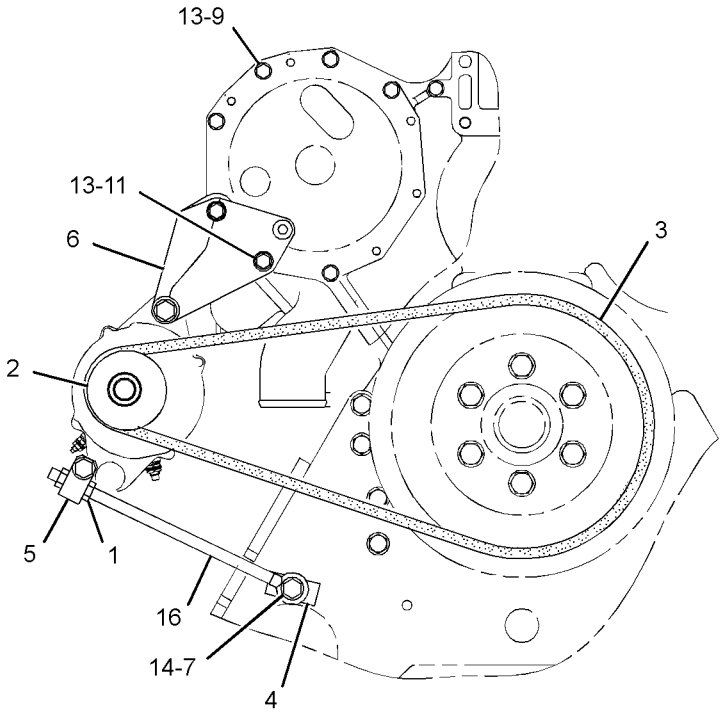
S/N: JRE10303-UP
LOWER RH FRONT
FOR USE WITH 135-4326—PAGE 398
AN ATTACHMENT

SMCS-1154, 1405 **i03640856**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1B-4430**	2	NUT-JAM (1/2-20-THD)	
	2	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	3	1	**6N-7135**	1	V-BELT (ALTERNATOR)	
	4	1	**7W-5520**	1	BLOCK	
	5	1	**8S-5383**	1	BLOCK	
	6	1	**332-4697**	1	SUPPORT AS	
		1	**272-1900**	1	BUSHING	
	7	1	**0S-1585**	1	BOLT (1/2-13X1.5-IN)	
	8	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	9	1	**0T-0055**	5	BOLT (3/8-16X4.25-IN)	
	10	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	11	1	**1A-5964**	1	BOLT (3/8-16X4.5-IN)	
	12	1	**1F-7958**	1	NUT-FULL (1/2-13-THD)	
	13	1	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	14	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3-MM THK)	
	15	1	**6L-7283**	1	BOLT (3/8-16X7-IN)	
	16	1	**7E-6879**	1	ROD-ADJUSTMENT	
	17	1	**7X-0339**	1	BOLT (1/2-13X6.25-IN)	
	18	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	



RIGHT SIDE VIEW OF ENGINE



FRONT VIEW OF ENGINE

GRAPHIC #1 **<END>** g01946756

183-4068 MOUNTING GP-ALTERNATOR

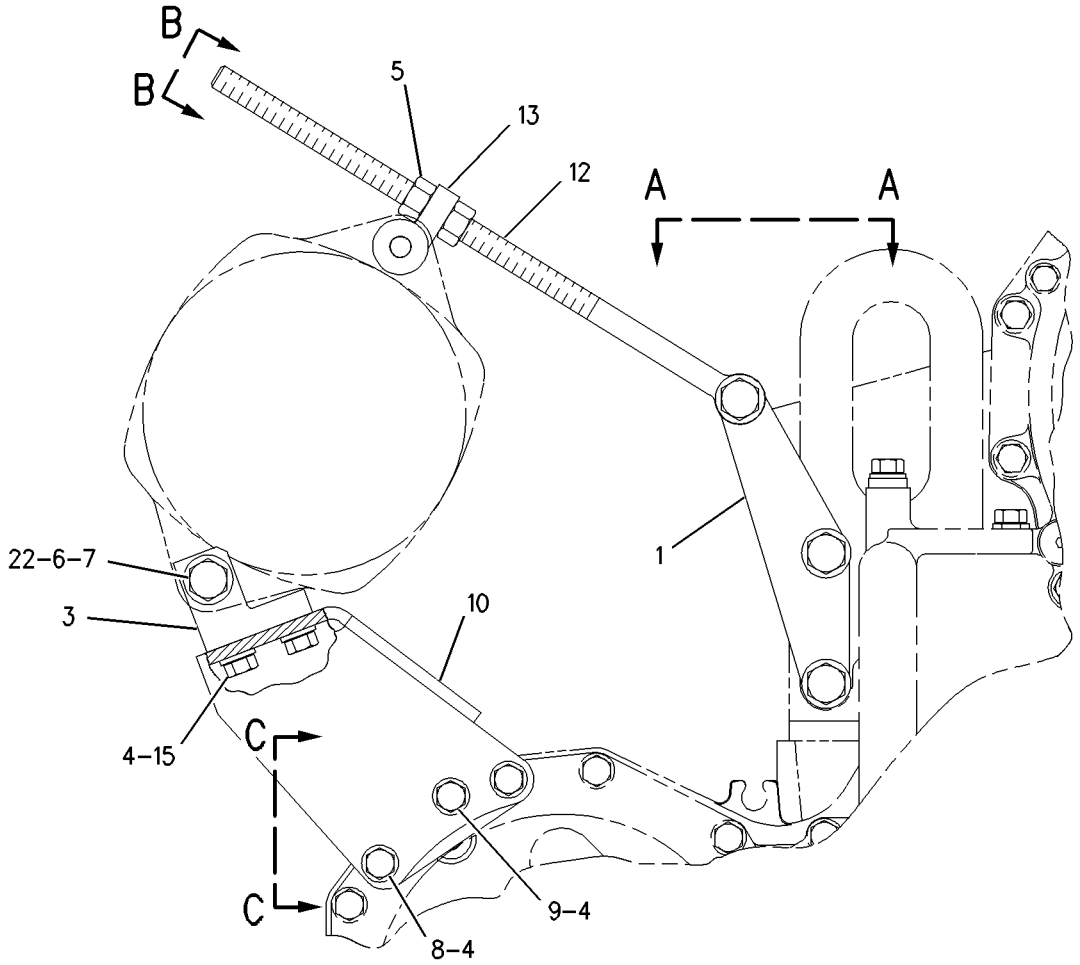
AN ATTACHMENT

SMCS-1154, 1405 **i01328978**

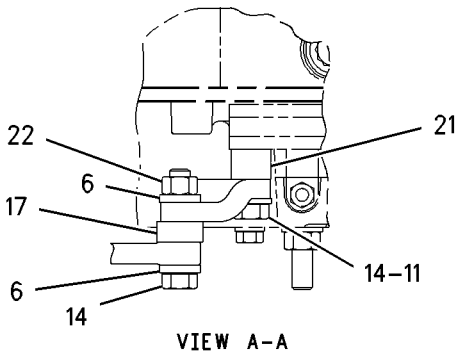
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-5416**	1	PLATE	
	2	1	**7X-0326**	1	BOLT (1/2-13X3-IN)	
	3	1	**7W-3580**	1	BRACKET-MOUNTING	
	4	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	6	1	**2M-0849**	5	WASHER-HARD (13.5X25.5X5-MM THK)	
	7	1	**9H-8260**	1	BOLT (1/2-13X6.25-IN)	
	8	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	9	1	**5B-9603**	1	BOLT (3/8-16X5-IN)	
	10	1	**9N-3164**	1	SUPPORT-ALTERNATOR	
	11	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	12	1	**9L-6371**	1	ROD	
	13	1	**9L-6329**	1	BLOCK	
	14	1	**9S-1366**	3	BOLT (1/2-13X2.5-IN)	
	15	1	**0L-1351**	4	BOLT (3/8-16X0.875-IN)	
	16	1	**9Y-1603**	1	SPACER (7.9-MM THK)	
	17	1	**9F-8759**	1	SPACER (17/32X1-1/8X1/2-IN THK)	
	18	1	**5V-9221**	1	SPACER (13.8X25X25-MM THK)	
	19	1	**0S-1590**	1	BOLT (3/8-16X2-IN)	
B	20	1	**4B-4278**	3	WASHER (10.2X20.5X1.6-MM THK)	
	21	1	**6H-7062**	2	SPACER (13.5X25X19-MM THK)	
	22	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	

B-USE AS REQUIRED

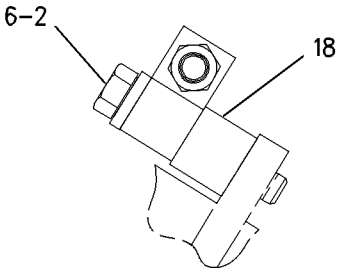
183-4068 **MOUNTING GP-ALTERNATOR** *(contd.)* **i01328978**



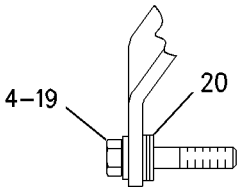
FRONT VIEW

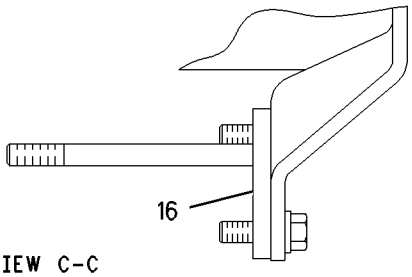


VIEW A-A



VIEW B-B





VIEW C-C

GRAPHIC #1 **<END>** g00703217

186-3652 MOUNTING GP-ALTERNATOR

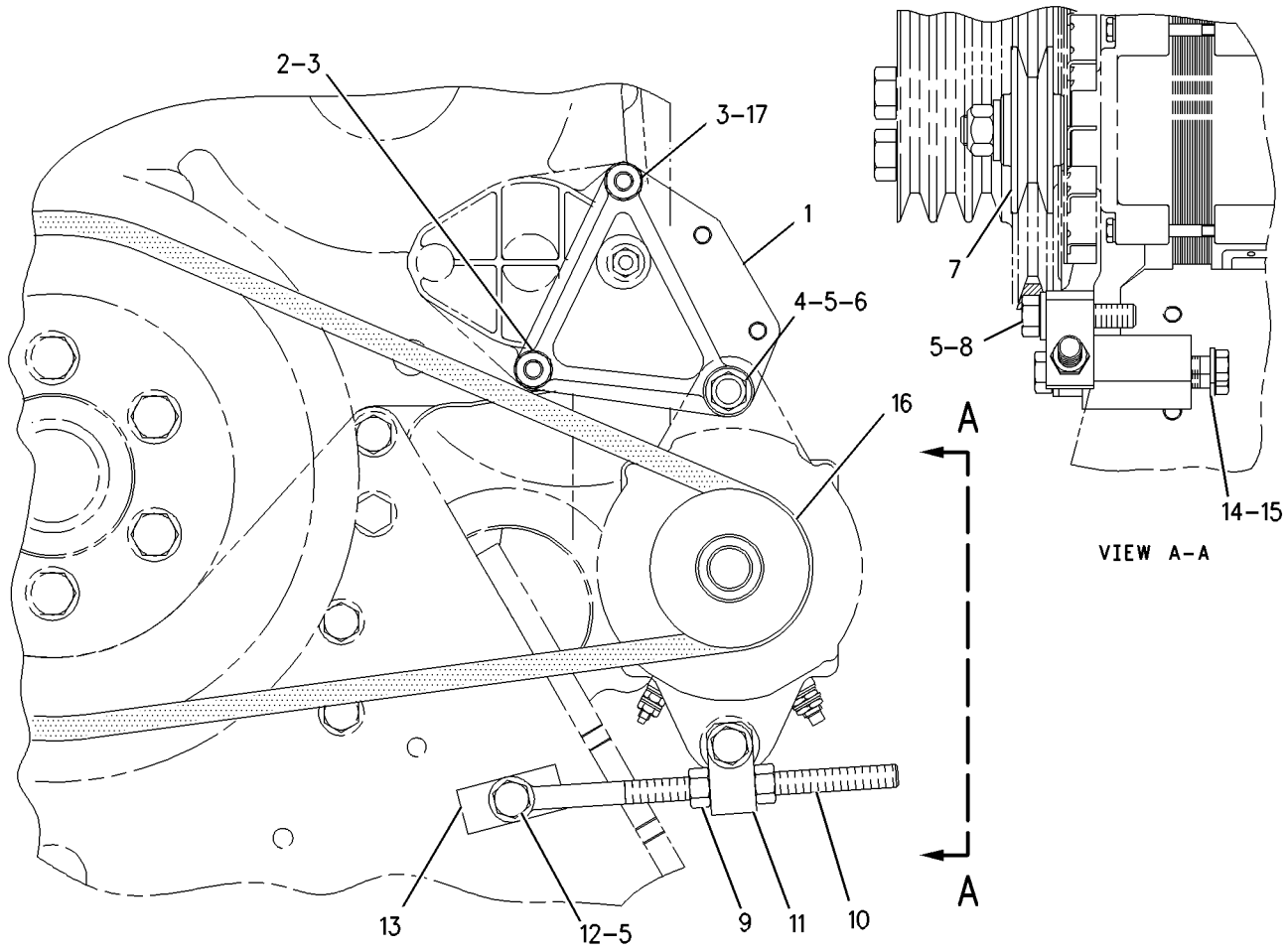
LH

FOR USE WITH 135-4326—PAGE 398

AN ATTACHMENT

SMCS-1154, 1405 **i03212013**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**186-3651**	1	BRACKET	
	2	1	**1S-9130**	1	STUD (3/8-16X3.03-IN)	
	3	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	4	1	**9H-8260**	1	BOLT (1/2-13X6.25-IN)	
	5	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3-MM THK)	
	6	1	**1F-7958**	1	NUT-FULL (1/2-13-THD)	
	7	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	8	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	9	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	10	1	**4N-4942**	1	ROD-ADJUSTMENT	
	11	1	**8S-5383**	1	BLOCK	
	12	1	**0S-1585**	1	BOLT (1/2-13X1.5-IN)	
	13	1	**7W-5520**	1	BLOCK	
	14	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	15	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**4N-8216**	1	V-BELT (ALTERNATOR)	
	17	1	**6V-2605**	1	STUD-TAPERLOCK	



FRONT VIEW

GRAPHIC #1 **<END>** g00873813

186-3653 MOUNTING GP-ALTERNATOR

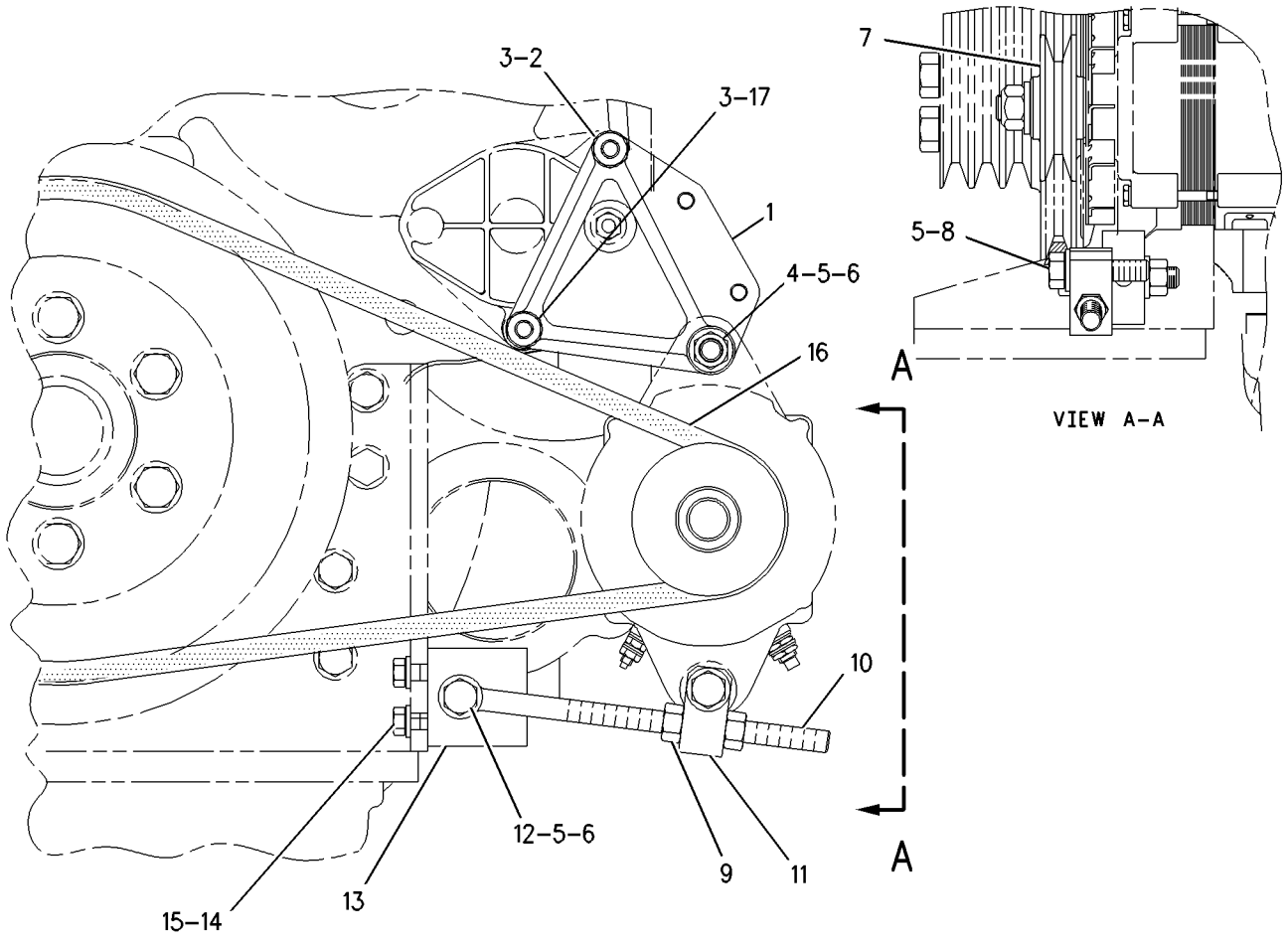
LH

CANNOT BE USED WITH FRONT MOUNTED FUEL TRANSFER PUMP

AN ATTACHMENT

SMCS-1154, 1405 **i03212014**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**186-3651**	1	BRACKET	
	2	1	**6V-2605**	1	STUD-TAPERLOCK	
	3	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	4	1	**9H-8260**	1	BOLT (1/2-13X6.25-IN)	
	5	1	**5P-8245**	5	WASHER-HARD (13.5X25.5X3-MM THK)	
	6	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	7	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	8	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	9	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	10	1	**4N-4942**	1	ROD-ADJUSTMENT	
	11	1	**8S-5383**	1	BLOCK	
	12	1	**9S-1366**	1	BOLT (1/2-13X2.5-IN)	
	13	1	**7W-5520**	1	BLOCK	
	14	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	15	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**7N-3949**	1	V-BELT SET (INCLUDES 2-BELTS) (ALTERNATOR)	
	17	1	**1S-9130**	1	STUD (3/8-16X3.03-IN)	



LEFT SIDE VIEW

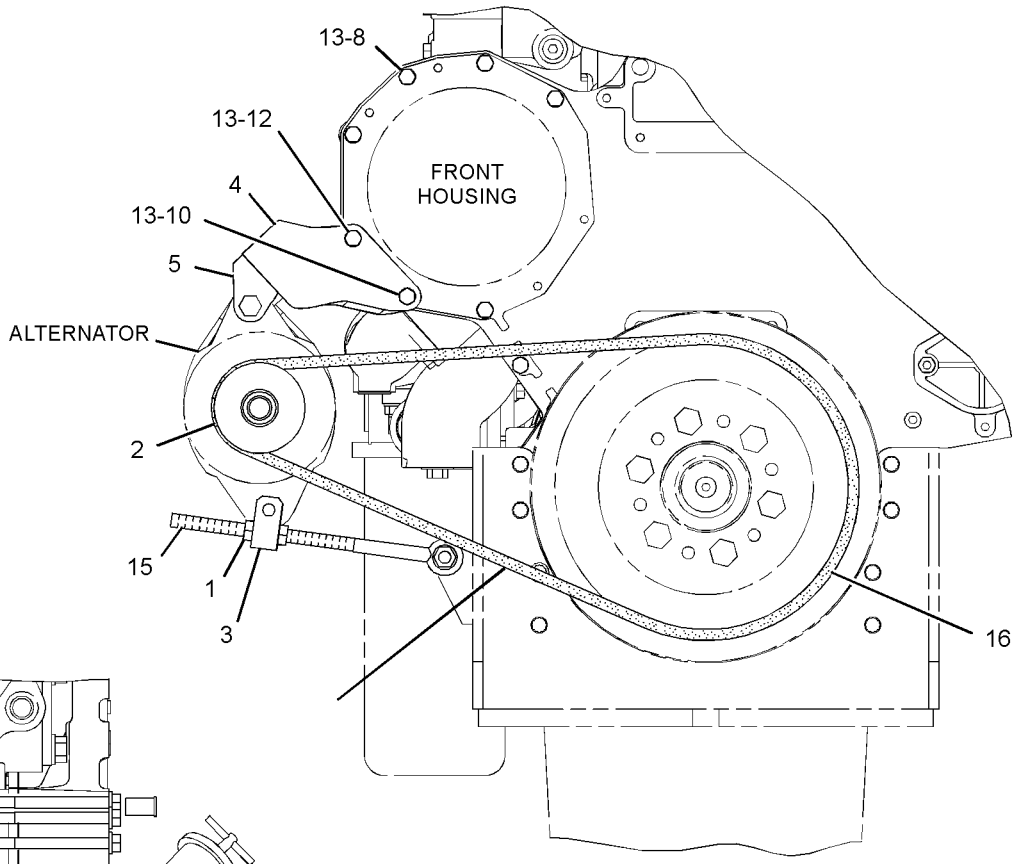
GRAPHIC #1 **<END>** g00873806

270-8444 MOUNTING GP-ALTERNATOR

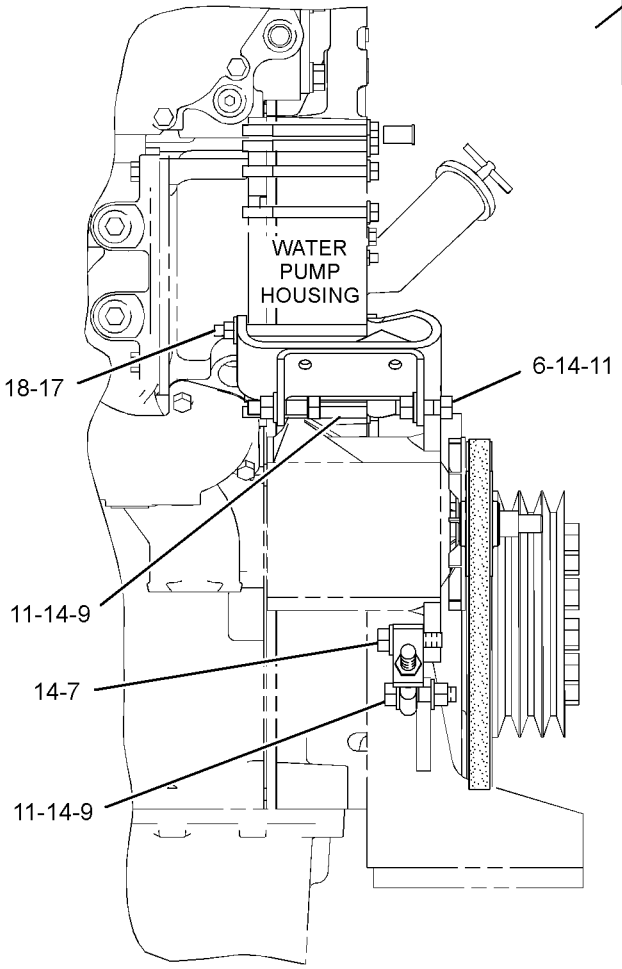
FOR USE WITH SINGLE AND TWIN TURBO. CANNOT BE USED WITH MTG GP-BREAKER AN ATTACHMENT

SMCS-1154, 1405 **i03212015**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1B-4430**	2	NUT-JAM (1/2-20-THD)	
	2	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	3	1	**8S-5383**	1	BLOCK	
	4	1	**270-8445**	1	BRACKET AS	
	5	1	**270-8446**	1	BRACKET	
	6	1	**0S-1585**	1	BOLT (1/2-13X1.5-IN)	
	7	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	8	1	**0T-0055**	5	BOLT (3/8-16X4.25-IN)	
	9	1	**1A-1460**	2	BOLT (1/2-13X2-IN)	
	10	1	**1A-5964**	1	BOLT (3/8-16X4.5-IN)	
	11	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	12	1	**5R-1771**	1	BOLT (3/8-16X5.5-IN)	
	13	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	14	1	**5P-8245**	5	WASHER-HARD (13.5X25.5X3-MM THK)	
	15	1	**9L-5134**	1	ROD	
	16	1	**9L-6641**	1	V-BELT (ALTERNATOR)	
	17	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	18	1	**9X-6458**	1	WASHER-HARD (10.2X22.5X3-MM THK)	



FRONT VIEW



RIGHT SIDE VIEW

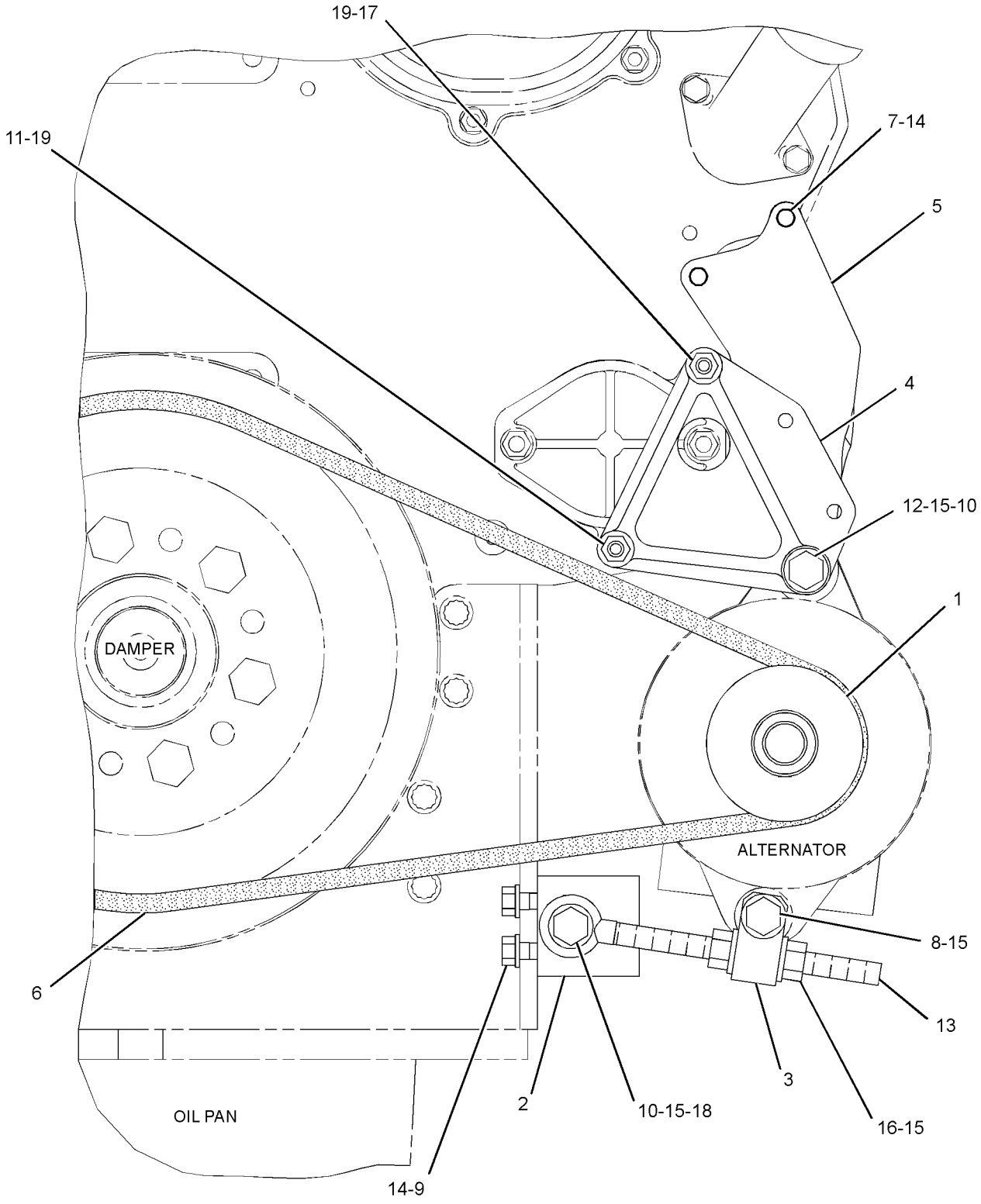
GRAPHIC #1 **<END>** g01160016

286-8179 MOUNTING GP-ALTERNATOR

LEFT HAND
FOR USE WITH NARROW FRONT SUPPORT
AN ATTACHMENT

SMCS-1154, 1405 **i03212016**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	2	1	**7W-5520**	1	BLOCK	
	3	1	**8S-5383**	1	BLOCK	
	4	1	**186-3651**	1	BRACKET	
	5	1	**282-6844**	1	BRACKET	
	6	1	**7N-3949**	1	V-BELT SET (INCLUDES 2-BELTS) (ALTERNATOR)	
	7	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	8	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	9	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	10	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	11	1	**1S-9130**	1	STUD (3/8-16X3.03-IN)	
	12	1	**2A-1531**	1	BOLT (1/2-13X6.5-IN)	
	13	1	**4N-4941**	1	ROD-ADJUSTMENT	
	14	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	15	1	**5P-8245**	7	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	17	1	**6V-2605**	1	STUD-TAPERLOCK	
	18	1	**9S-1366**	1	BOLT (1/2-13X2.5-IN)	
	19	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	



FRONT VIEW

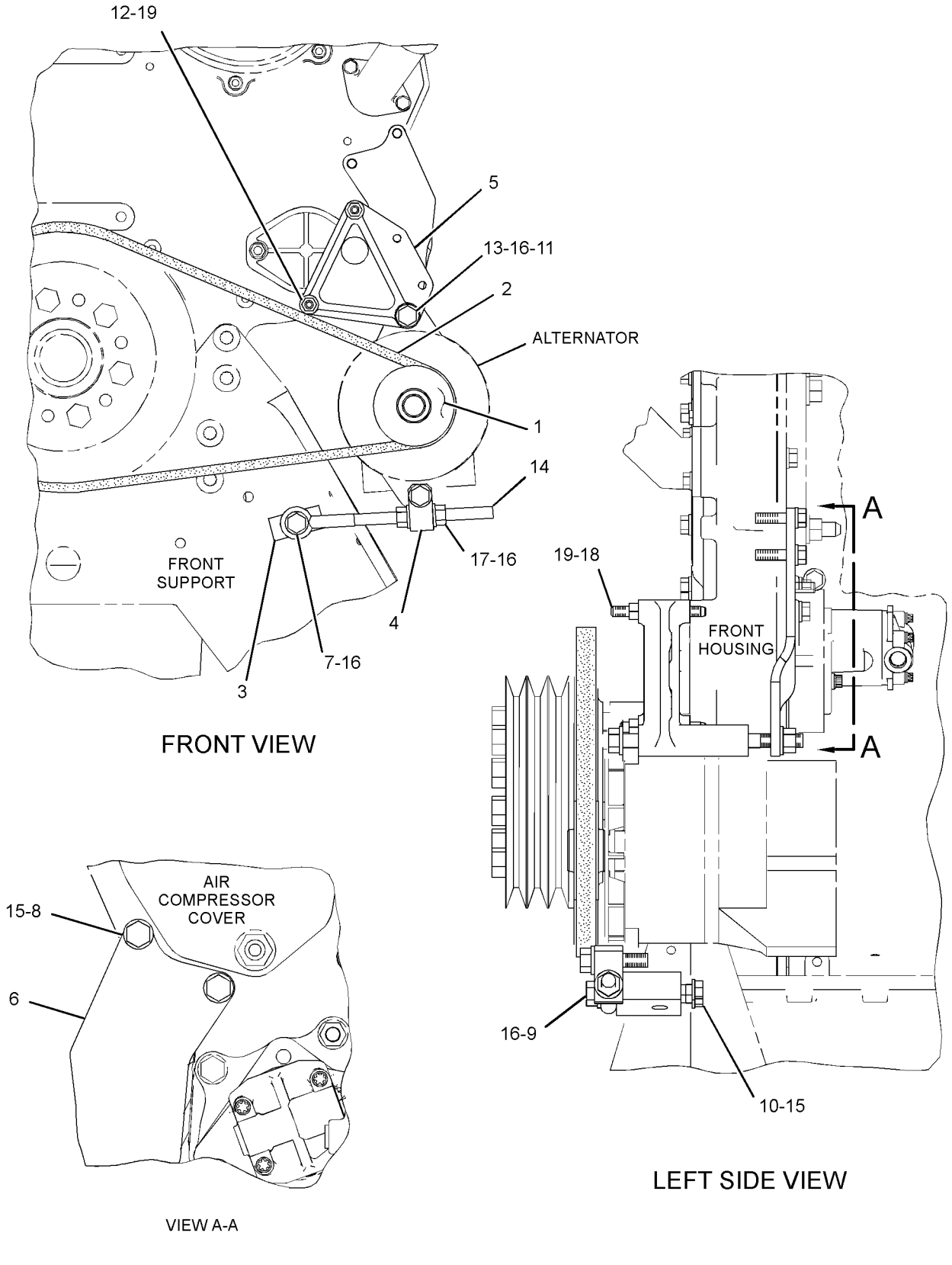
GRAPHIC #1 **<END>** g01264603

286-8180 MOUNTING GP-ALTERNATOR

AN ATTACHMENT

SMCS-1154, 1405 **i03212017**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-1456**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	2	1	**5L-5012**	1	V-BELT SET (INCLUDES 2-BELTS) (ALTERNATOR)	
	3	1	**7W-5520**	1	BLOCK	
	4	1	**8S-5383**	1	BLOCK	
	5	1	**186-3651**	1	BRACKET	
	6	1	**282-6844**	1	BRACKET	
	7	1	**0S-1585**	1	BOLT (1/2-13X1.5-IN)	
	8	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	9	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	10	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	11	1	**1F-7958**	1	NUT-FULL (1/2-13-THD)	
	12	1	**1S-9130**	1	STUD (3/8-16X3.03-IN)	
	13	1	**2A-1531**	1	BOLT (1/2-13X6.5-IN)	
	14	1	**4N-4942**	1	ROD-ADJUSTMENT	
	15	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**5P-8245**	6	WASHER-HARD (13.5X25.5X3-MM THK)	
	17	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	18	1	**6V-2605**	1	STUD-TAPERLOCK	
	19	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	



GRAPHIC #1 **<END>** g01264671

BASIC ENGINE

288-0648 MOUNTING GP-ALTERNATOR

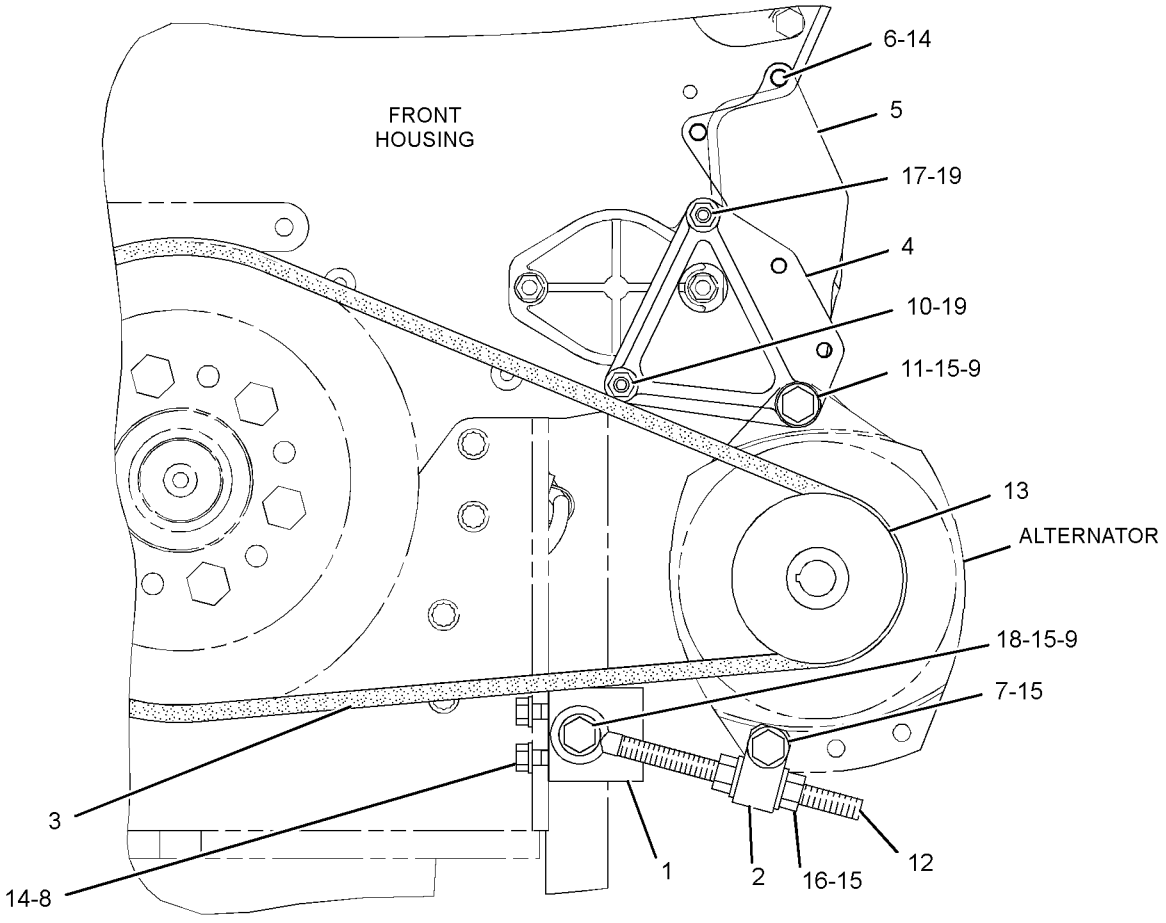
LH

FOR USE WITH NARROW FRONT SUPPORT

AN ATTACHMENT

SMCS-1154, 1405 **i03212018**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-5520**	1	BLOCK	
	2	1	**8S-5383**	1	BLOCK	
	3	1	**9L-6639**	1	V-BELT (ALTERNATOR)	
	4	1	**186-3651**	1	BRACKET	
	5	1	**282-6844**	1	BRACKET	
	6	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	7	1	**1A-1460**	1	BOLT (1/2-13X2-IN)	
	8	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	9	1	**1F-7958**	2	NUT-FULL (1/2-13-THD)	
	10	1	**1S-9130**	1	STUD (3/8-16X3.03-IN)	
	11	1	**2A-1531**	1	BOLT (1/2-13X6.5-IN)	
	12	1	**4N-4941**	1	ROD-ADJUSTMENT	
	13	1	**4N-8225**	1	PULLEY-ALTERNATOR (1-GROOVE)	
	14	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	15	1	**5P-8245**	7	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	17	1	**6V-2605**	1	STUD-TAPERLOCK	
	18	1	**9S-1366**	1	BOLT (1/2-13X2.5-IN)	
	19	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	



FRONT VIEW OF ENGINE

GRAPHIC #1

<END>

g01369606

BASIC ENGINE

129-5162 MOUNTING GP-ALTERNATOR & COMPR

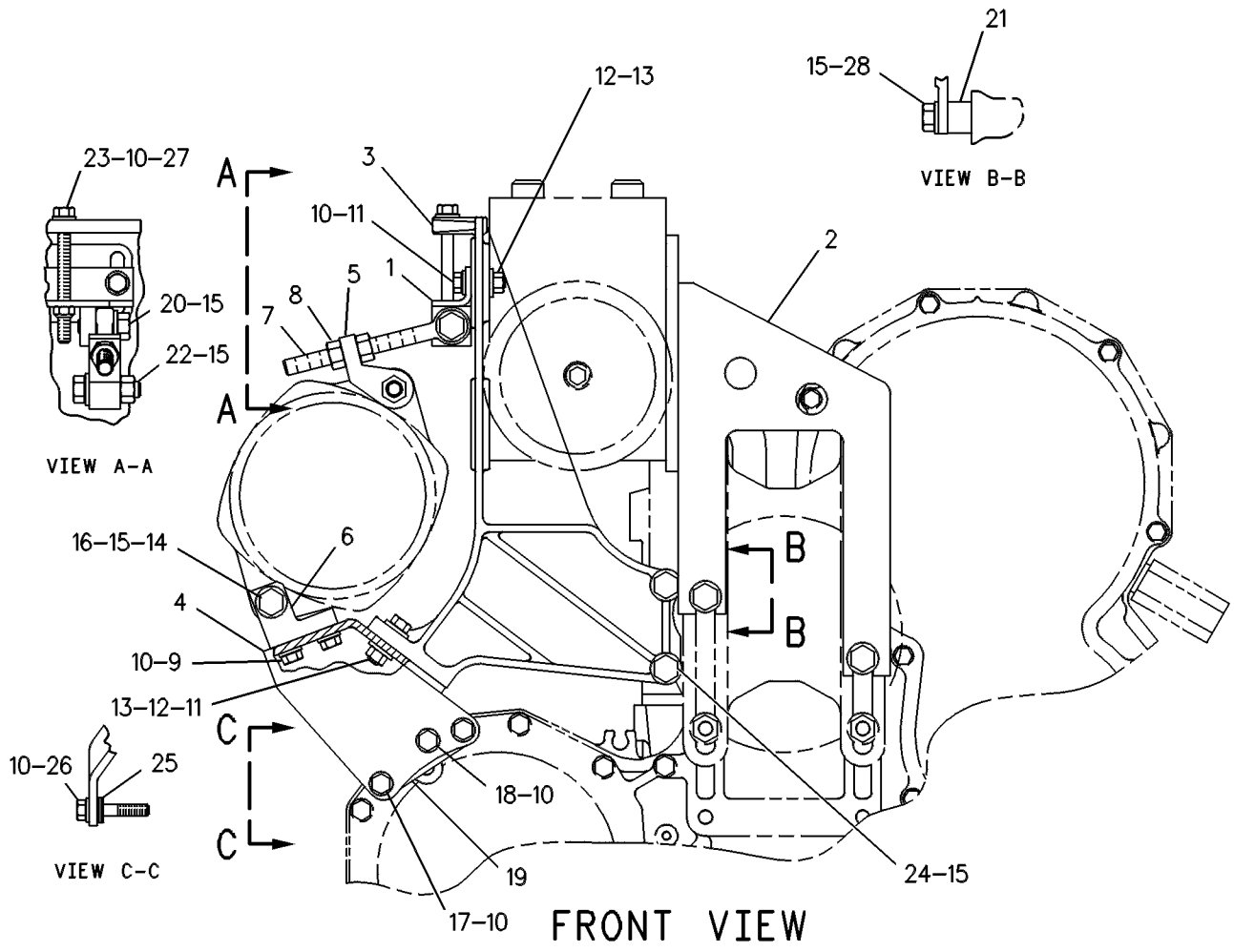
FOR USE WITH PISTON FREON COMPRESSOR

AN ATTACHMENT

SMCS-1405 **i03640887**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-3162**	1	BRACKET AS	
		1	**9L-6110**	1	ANGLE	
	2	1	**6I-3957**	1	BRACKET AS	
	3	1	**146-0193**	1	BRACKET	
	4	1	**9N-3164**	1	SUPPORT-ALTERNATOR	
	5	1	**9N-3163**	1	BLOCK	
	6	1	**7W-3580**	1	BRACKET-MOUNTING	
	7	1	**7C-5787**	1	ROD-ADJUSTMENT	
	8	1	**6B-6684**	2	NUT-FULL (1/2-20-THD)	
	9	1	**0L-1351**	4	BOLT (3/8-16X0.875-IN)	
	10	1	**5M-2894**	11	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	11	1	**3B-1915**	4	BOLT (3/8-16X1.375-IN)	
	12	1	**5P-1075**	6	WASHER-HARD (10.2X22.5X3-MM THK)	
	13	1	**9S-8752**	4	NUT-FULL (3/8-16-THD)	
	14	1	**9H-8260**	1	BOLT (1/2-13X6.25-IN)	
	15	1	**5P-8245**	7	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**1K-6872**	1	LOCKNUT (1/2-13-THD)	
	17	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	18	1	**5B-9603**	1	BOLT (3/8-16X5-IN)	
	19	1	**9Y-1603**	1	SPACER (7.9-MM THK)	
	20	1	**0S-1595**	1	BOLT (1/2-13X1.25-IN)	
	21	1	**6H-7062**	2	SPACER (13.5X25X19-MM THK)	
	22	1	**0S-1587**	1	BOLT (1/2-13X1.75-IN)	
	23	1	**8L-5213**	1	BOLT (3/8-16X4-IN)	
	24	1	**9S-1366**	2	BOLT (1/2-13X2.5-IN)	
B	25	1	**4B-4278**	3	WASHER (10.2X20.5X1.6-MM THK)	
	26	1	**0S-1590**	1	BOLT (3/8-16X2-IN)	
	27	1	**2K-4973**	1	LOCKNUT (3/8-16-THD)	
	28	1	**9X-8873**	2	BOLT (1/2-13X2.25-IN)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00238174

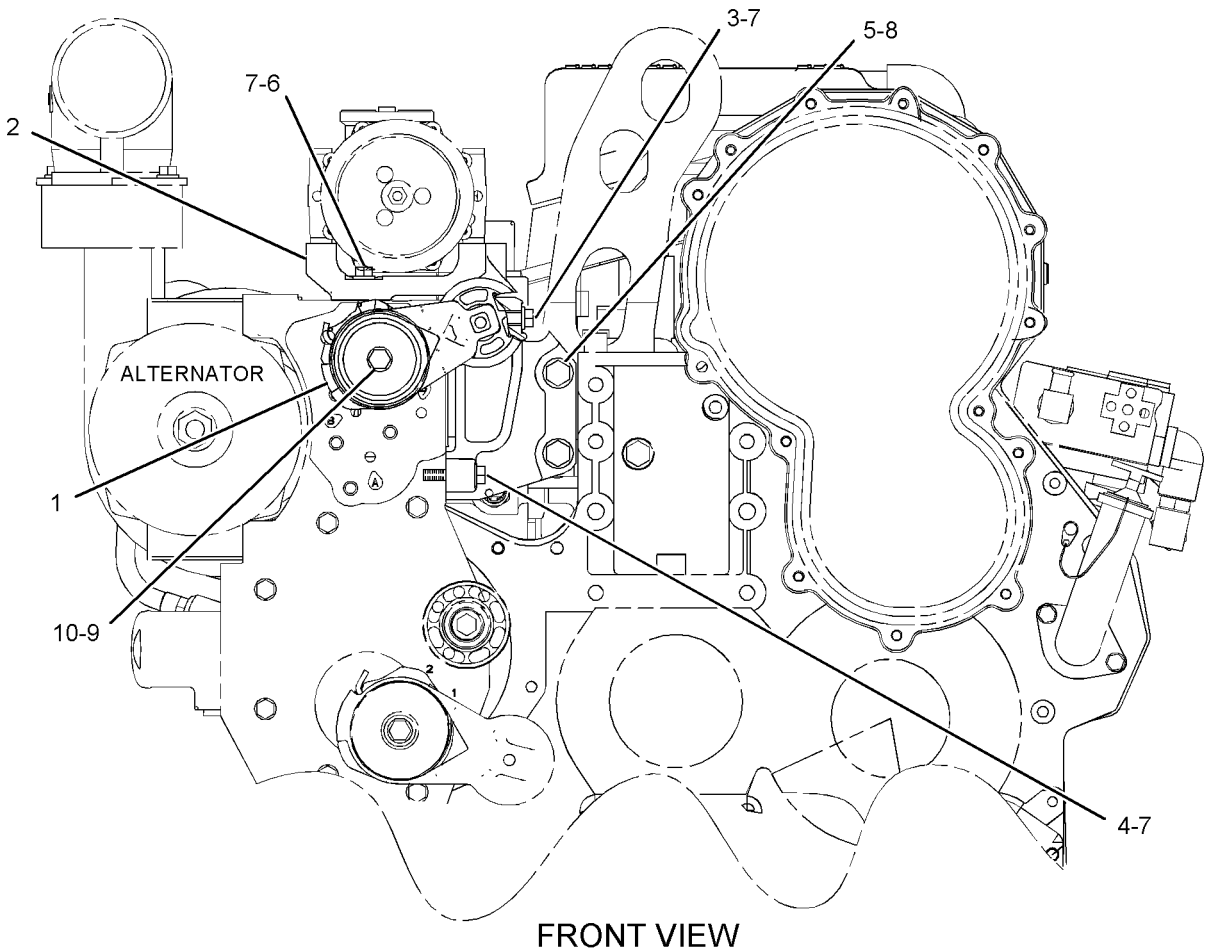
240-8214 MOUNTING GP-REFRIGERANT COMPR

BRACKET AND TENSIONER FOR A 6 GROOVE POLY-RIB A/C COMPRESSOR DRIVE WITH AN 13.1-17 INCH FAN HEIGHT
FOR USE WITH 240-8213—PAGE 65
AN ATTACHMENT

SMCS-1802 **i02225938**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**217-8938**	1	BELT TENSIONER (REFRIGERANT COMPRESSOR)	
	2	1	**261-7552**	1	SUPPORT (REFRIGERANT COMPRESSOR)	
	3	1	**0L-1352**	1	BOLT (3/8-16X3.25-IN)	
	4	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	5	1	**0S-1591**	1	BOLT (3/8-16X1.5-IN)	
	6	1	**0S-1573**	2	BOLT (1/2-13X4-IN)	
	7	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	8	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	9	1	**6V-5839**	1	WASHER (11X21X2.5-MM THK)	
M	10	1	**8T-0644**	1	BOLT (M10X1.5X90-MM)	

M-METRIC PART



FRONT VIEW

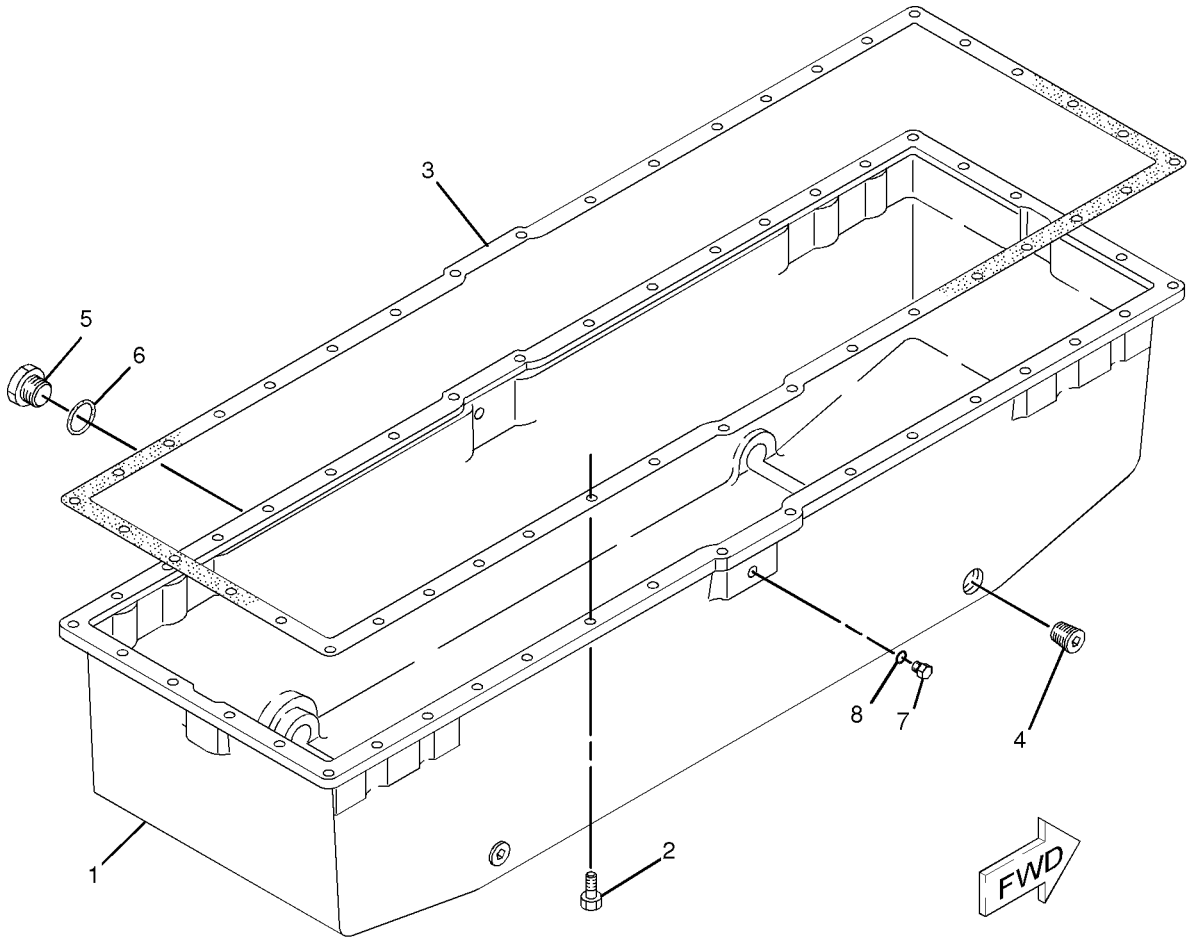
GRAPHIC #1 **<END>** g01123767

4W-1873 PAN GP-OIL–ENGINE

HIGH CAPACITY
AN ATTACHMENT

SMCS-1302 **i03358242**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-9113**	1	PAN-OIL (ENGINE)	
	2	1	**2P-3203**	40	BOLT-WASHER HEAD (3/8-16X1.25-IN)	
	3	1	**4N-3661**	1	GASKET-OIL PAN	
	4	1	**8T-6761**	3	PLUG-PIPE	
	5	1	**9X-6451**	1	PLUG-DRAIN (ENGINE OIL PAN)	
	6	1	**061-9458**	1	SEAL-O-RING	
	7	1	**9S-4182**	1	PLUG-O-RING	
	8	1	**9X-7378**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g01038757

BASIC ENGINE

105-3386 PAN GP-OIL—ENGINE

REAR DEEP SUMP, STANDARD DUTY

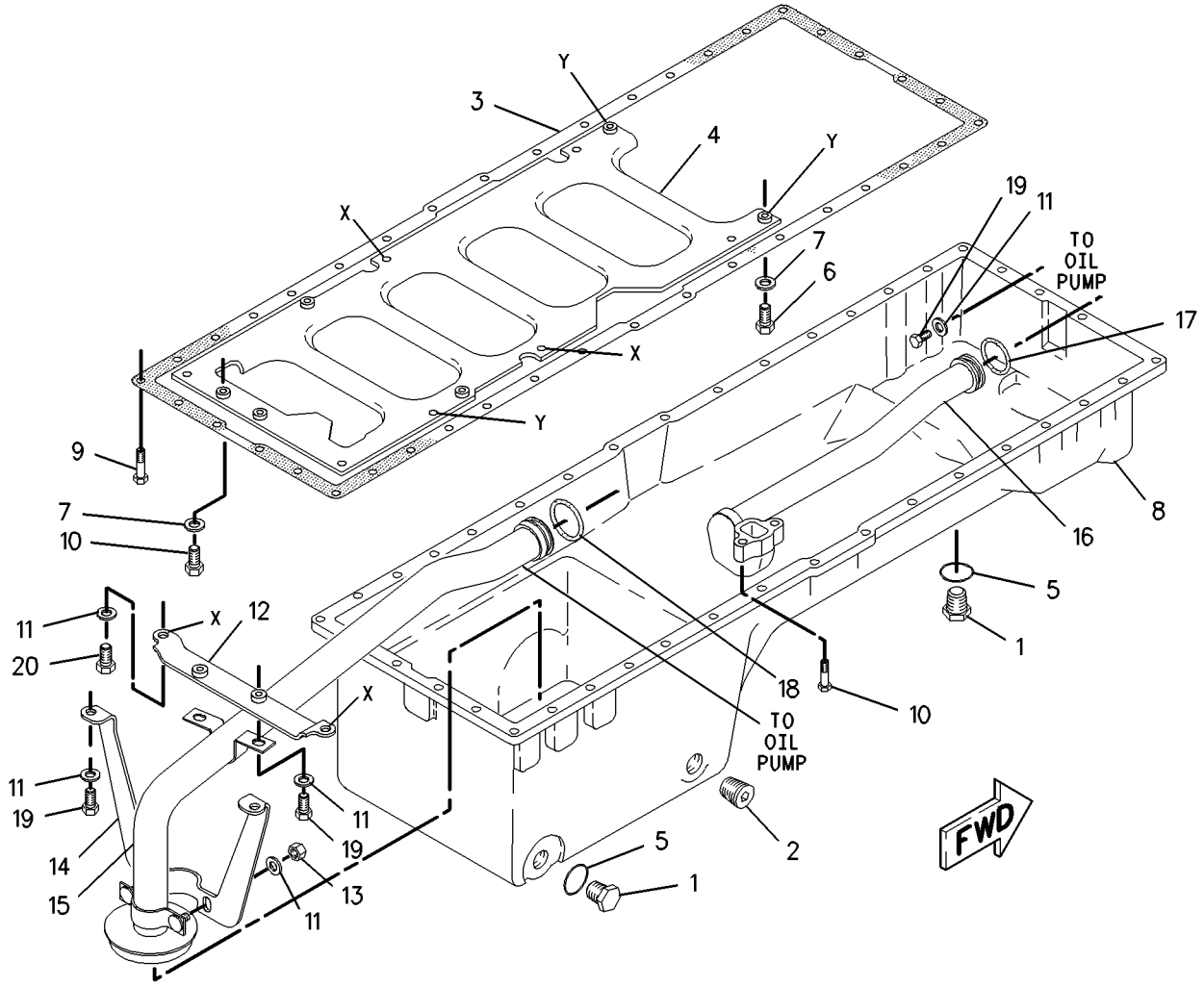
AN ATTACHMENT

SMCS-1302 **i03640891**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-6451**	3	PLUG-DRAIN (ENGINE OIL PAN)	
	2	1	**8T-6761**	2	PLUG-PIPE	
	3	1	**4N-3661**	1	GASKET-OIL PAN	
C	4	1	**118-2019**	1	UNDERFRAME AS	
	5	1	**121-0145**	3	SEAL-O-RING	
C	6	1	**0S-1594**	3	BOLT (3/8-16X1-IN) (MARKED Y)	
C	7	1	**5M-2894**	5	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	8	1	**150-4638**	1	PAN-OIL (ENGINE)	
	9	1	**2P-3205**	32	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
	10	1	**0S-1591**	4	BOLT (3/8-16X1.5-IN)	
C	11	1	**9X-6458**	9	WASHER-HARD (10.2X22.5X3-MM THK)	
C	12	1	**115-2355**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
C	13	1	**2K-4973**	2	LOCKNUT (3/8-16-THD)	
C	14	1	**115-2365**	1	BRACKET-TUBE	
C	15	1	**109-6547**	1	TUBE AS	
	16	1	**4P-7373**	1	TUBE AS	
	17	1	**109-0078**	1	SEAL-O-RING (37.47-MM ID)	
	18	1	**109-0072**	1	SEAL-O-RING (40.64-MM ID)	
C	19	1	**0L-1351**	5	BOLT (3/8-16X0.875-IN)	
	20	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	

C-CHANGE FROM PREVIOUS TYPE

105-3386 **PAN GP-OIL** *(contd.)* **i03640891**



GRAPHIC #1 **<END>** g00848925

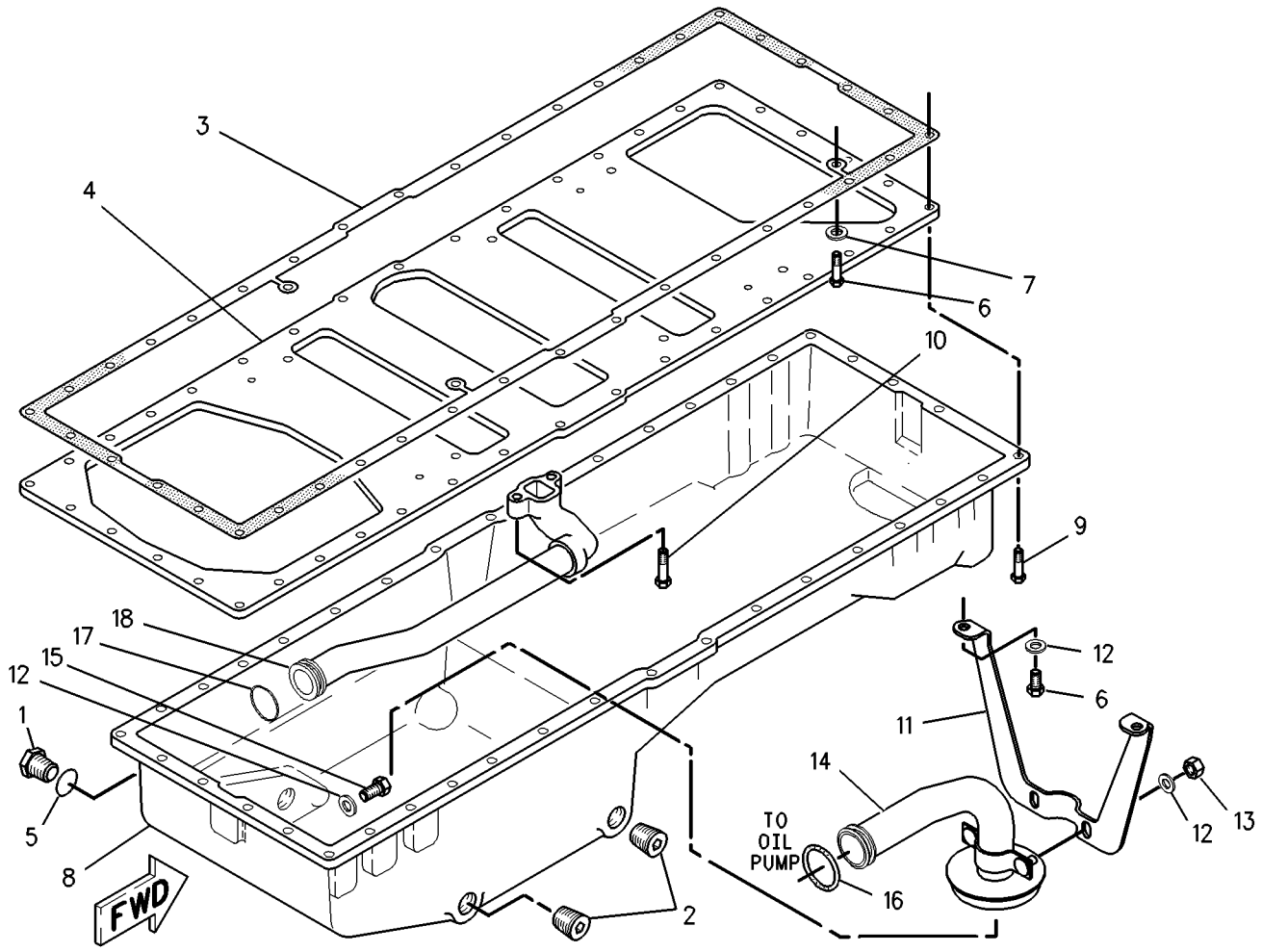
109-3285 PAN GP-OIL—ENGINE

PROVIDES SET BACK OIL PAN AND INTERNAL OIL LINES
AN ATTACHMENT

SMCS-1302 **i03358263**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-6451**	1	PLUG-DRAIN (ENGINE OIL PAN)	
	2	1	**8T-6761**	3	PLUG-PIPE	
	3	1	**4N-3661**	2	GASKET-OIL PAN	
	4	1	**9N-3167**	1	PLATE	
	5	1	**121-0145**	1	SEAL-O-RING	
	6	1	**0S-1588**	3	BOLT (3/8-16X1.25-IN)	
C	7	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	8	1	**150-4637**	1	PAN-OIL (ENGINE)	
	9	1	**2P-3205**	32	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
	10	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
C	11	1	**115-2353**	1	BRACKET-TUBE	
C	12	1	**9X-6458**	5	WASHER-HARD (10.2X22.5X3-MM THK)	
C	13	1	**2K-4973**	2	LOCKNUT (3/8-16-THD)	
C	14	1	**115-2369**	1	TUBE AS-SUCTION	
	15	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	16	1	**109-0072**	1	SEAL-O-RING (40.64 MM ID)	
	17	1	**109-0078**	1	SEAL-O-RING (37.47 MM ID)	
	18	1	**4P-7373**	1	TUBE AS	

C-CHANGE FROM PREVIOUS TYPE



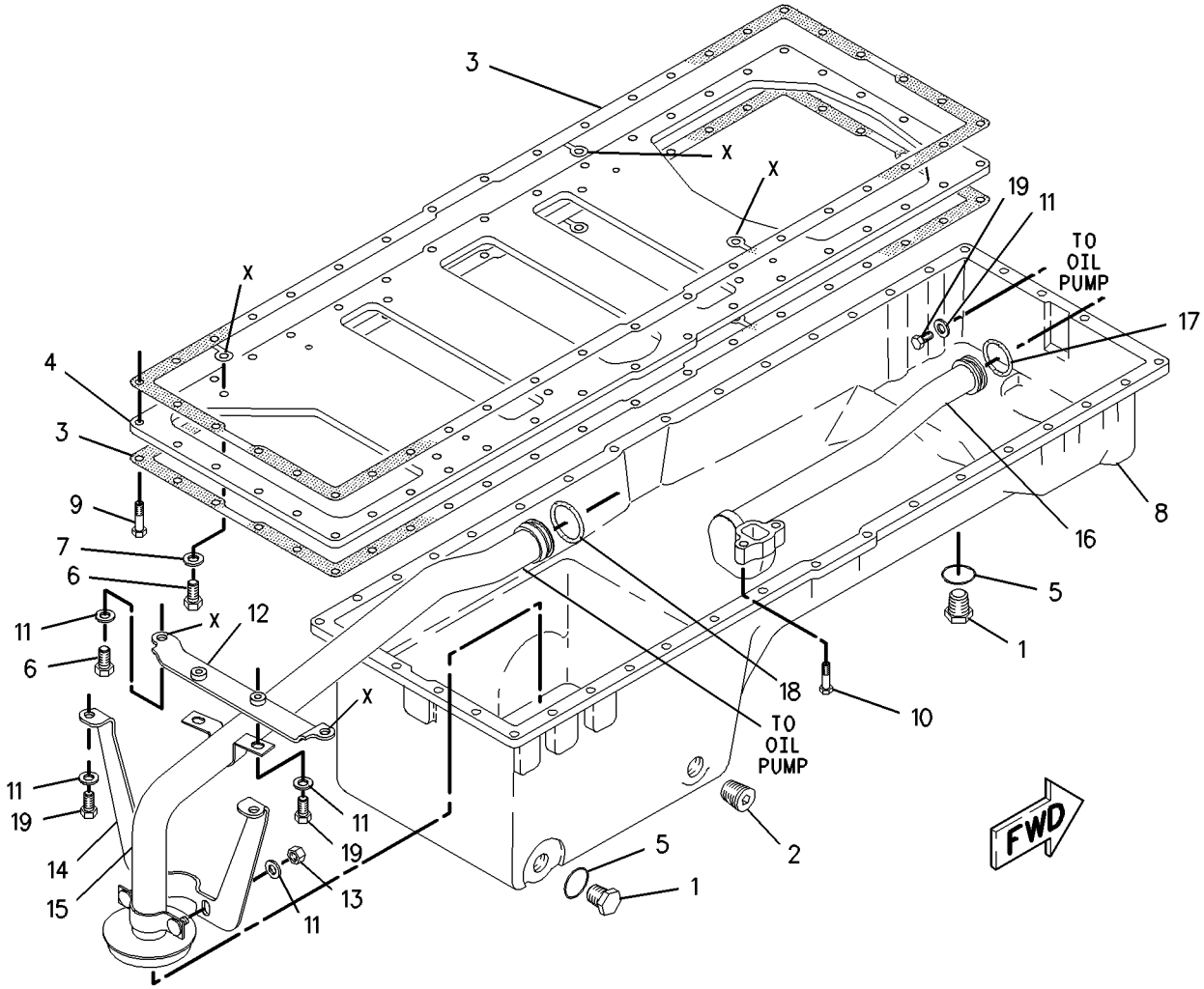
GRAPHIC #1 **<END>** g00848920

109-3289 PAN GP-OIL—ENGINE

REAR DEEP SUMP, HEAVY DUTY
AN ATTACHMENT

SMCS-1302 **i03640896**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-6451**	3	PLUG-DRAIN (ENGINE OIL PAN)	
	2	1	**8T-6761**	2	PLUG-PIPE	
	3	1	**4N-3661**	2	GASKET-OIL PAN	
	4	1	**9N-3167**	1	PLATE	
	5	1	**121-0145**	3	SEAL-O-RING	
	6	1	**0S-1588**	5	BOLT (3/8-16X1.25-IN) (MARKED X)	
	7	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	8	1	**150-4636**	1	PAN-OIL	
	9	1	**2P-3205**	32	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
	10	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	11	1	**9X-6458**	9	WASHER-HARD (10.2X22.5X3-MM THK)	
	12	1	**118-5450**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	13	1	**2K-4973**	2	LOCKNUT (3/8-16-THD)	
	14	1	**115-2365**	1	BRACKET-TUBE	
	15	1	**109-6547**	1	TUBE AS	
	16	1	**4P-7373**	1	TUBE AS	
	17	1	**109-0078**	1	SEAL-O-RING (37.47 MM ID)	
	18	1	**109-0072**	1	SEAL-O-RING (40.64 MM ID)	
	19	1	**0L-1351**	5	BOLT (3/8-16X0.875-IN)	



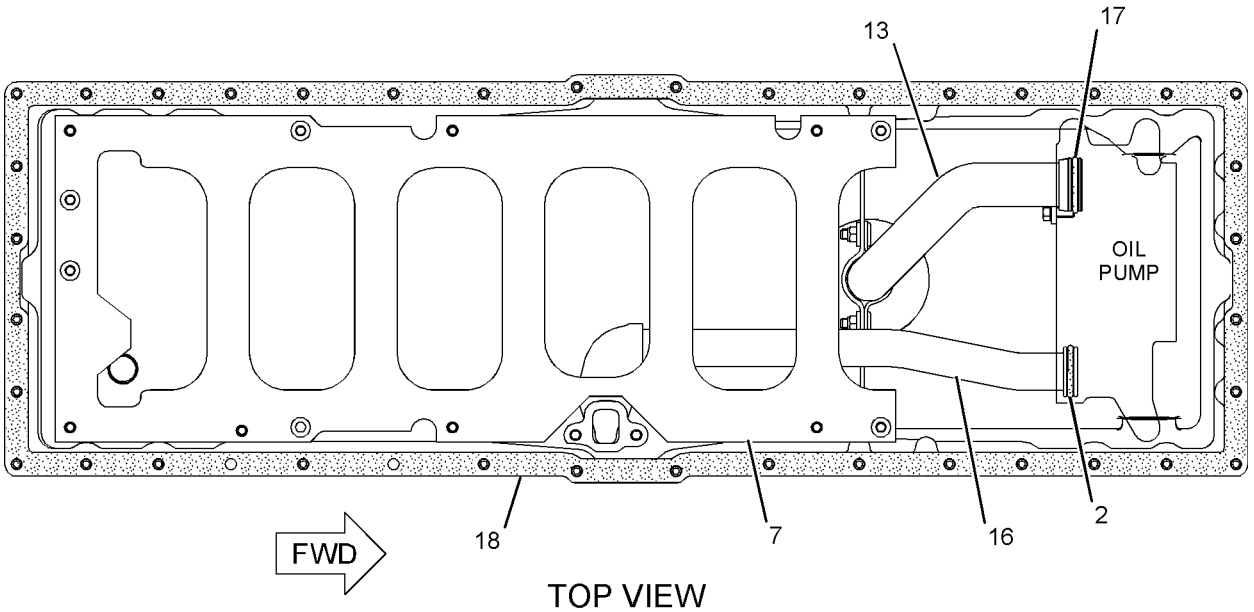
GRAPHIC #1 **<END>** g00836924

160-8328 PAN GP-OIL—ENGINE

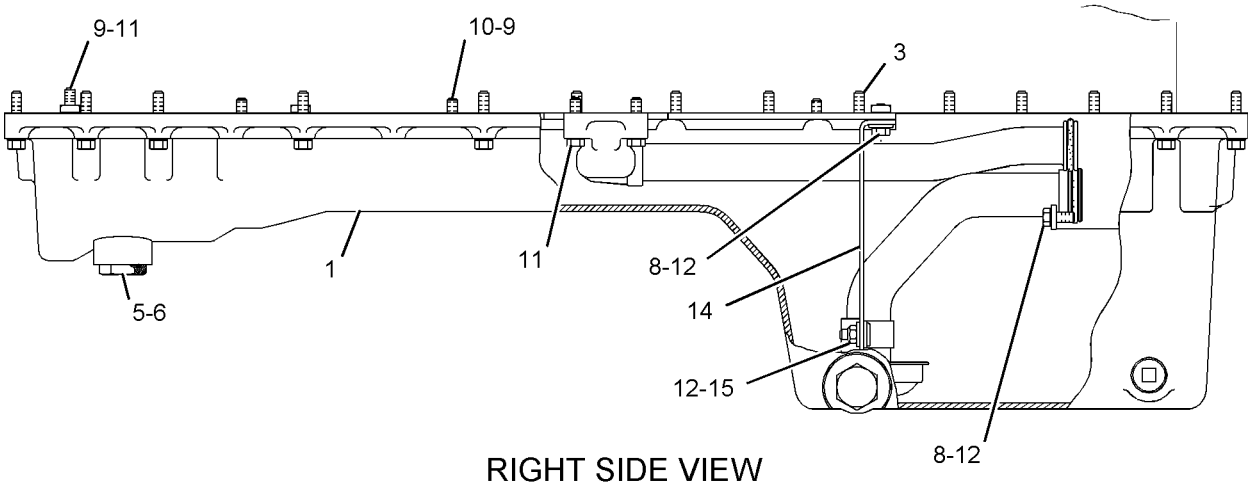
FOR USE WITH OIL COOLER
AN ATTACHMENT

SMCS-1302 **i03358300**

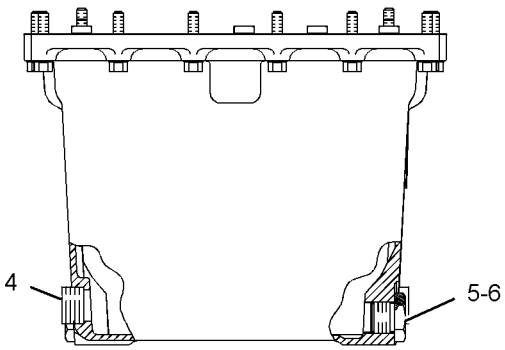
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**150-4638**	1	PAN-OIL (ENGINE)	
	2	1	**109-0078**	1	SEAL-O-RING	
	3	1	**2P-3205**	38	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
	4	1	**8T-6761**	2	PLUG-PIPE	
	5	1	**9X-6451**	3	PLUG-DRAIN (ENGINE OIL PAN)	
	6	1	**121-0145**	3	SEAL-O-RING	
	7	1	**118-2019**	1	UNDERFRAME AS	
	8	1	**0L-1351**	3	BOLT (3/8-16X0.875-IN)	
	9	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**0S-1594**	5	BOLT (3/8-16X1-IN)	
	11	1	**0S-1591**	4	BOLT (3/8-16X1.5-IN)	
	12	1	**9X-6458**	5	WASHER-HARD (10.2X22.5X3-MM THK)	
	13	1	**115-2359**	1	TUBE AS	
	14	1	**115-2365**	1	BRACKET-TUBE	
	15	1	**2K-4973**	2	LOCKNUT (3/8-16-THD)	
	16	1	**4P-7373**	1	TUBE AS	
	17	1	**109-0072**	1	SEAL-O-RING	
	18	1	**4N-1151**	1	GASKET (ENGINE OIL PAN)	



TOP VIEW



RIGHT SIDE VIEW



FRONT VIEW

GRAPHIC #1

<END>

g01100493

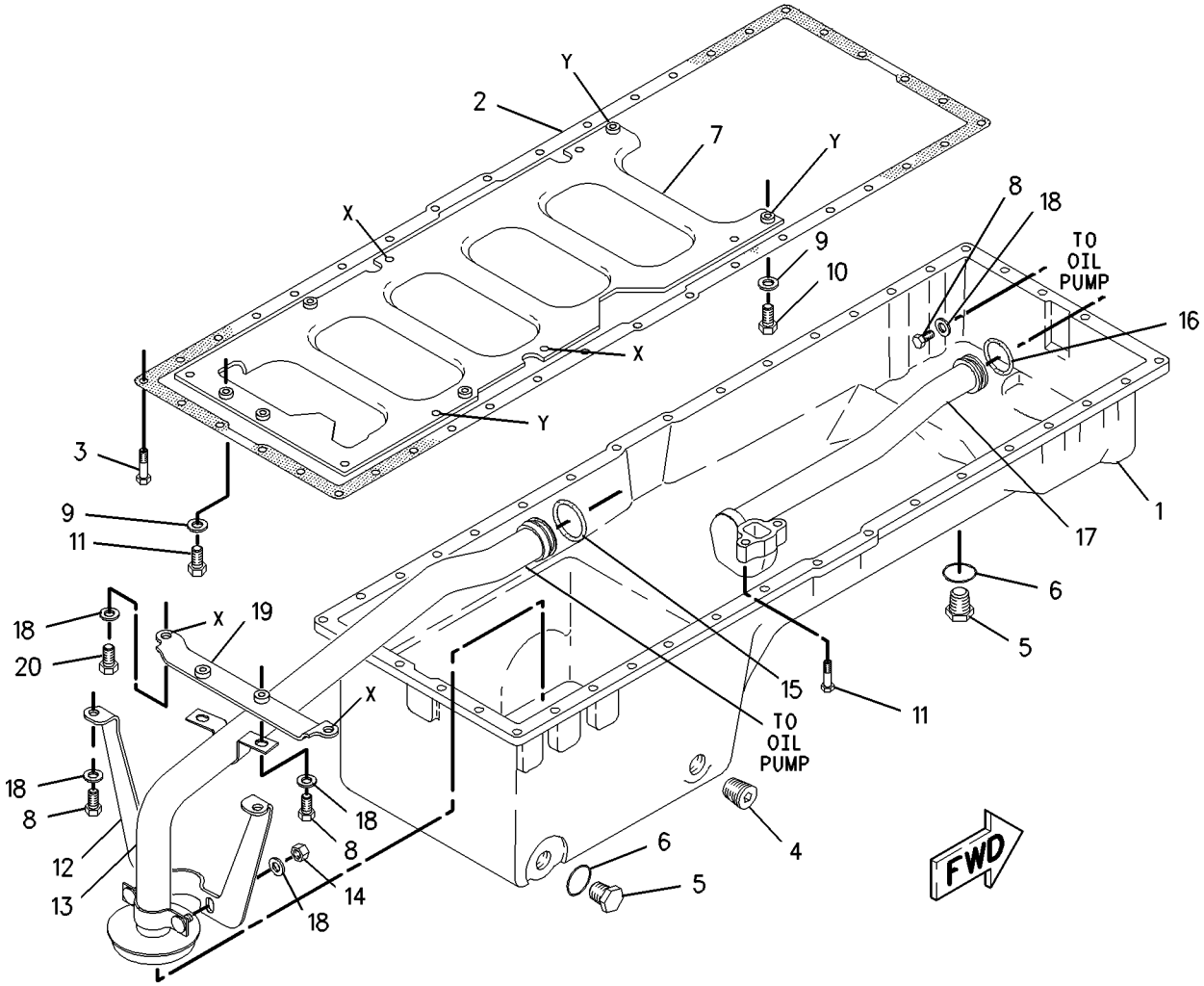
162-7456 PAN GP-OIL—ENGINE

REAR SUMP

AN ATTACHMENT

SMCS-1302 **i03640897**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**150-4638**	1	PAN-OIL (ENGINE)	
	2	1	**4N-1151**	1	GASKET (ENGINE OIL PAN)	
	3	1	**2P-3205**	38	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
	4	1	**8T-6761**	2	PLUG-PIPE	
	5	1	**9X-6451**	3	PLUG-DRAIN (ENGINE OIL PAN)	
	6	1	**121-0145**	3	SEAL-O-RING	
	7	1	**118-2019**	1	UNDERFRAME AS	
	8	1	**0L-1351**	5	BOLT (3/8-16X0.875-IN)	
	9	1	**5M-2894**	5	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**0S-1594**	3	BOLT (3/8-16X1-IN) (MARKED Y)	
	11	1	**0S-1591**	4	BOLT (3/8-16X1.5-IN)	
	12	1	**115-2365**	1	BRACKET-TUBE	
	13	1	**109-6547**	1	TUBE AS	
	14	1	**2K-4973**	2	LOCKNUT (3/8-16-THD)	
	15	1	**109-0072**	1	SEAL-O-RING	
	16	1	**109-0078**	1	SEAL-O-RING	
	17	1	**4P-7373**	1	TUBE AS	
	18	1	**9X-6458**	9	WASHER-HARD (10.2X22.5X3-MM THK)	
	19	1	**115-2355**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	20	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN) (MARKED X)	



GRAPHIC #1 **<END>** g00848919

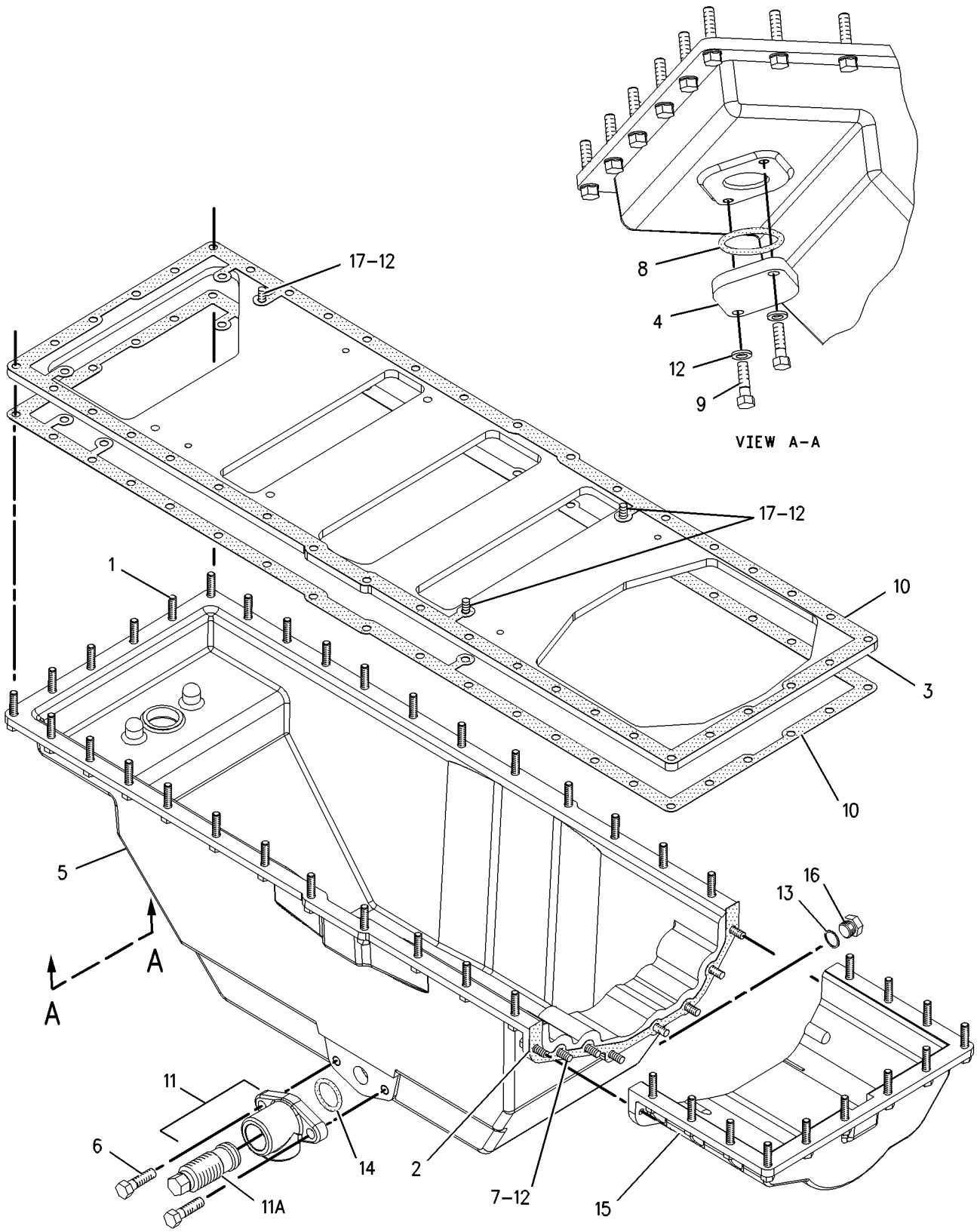
175-3860 PAN GP-OIL—ENGINE

S/N: JRE1-2347
AN ATTACHMENT

SMCS-1302 **i02939139**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-3205**	40	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
	2	1	**7E-4342**	1	GASKET	
	3	1	**9N-3167**	1	PLATE	
	4	1	**175-3868**	1	COVER	
	5	1	**179-3211**	1	PAN-OIL	
	6	1	**0S-1587**	2	BOLT (1/2-13X1.75-IN)	
	7	1	**0S-1588**	8	BOLT (3/8-16X1.25-IN)	
	8	1	**109-0076**	1	SEAL-O-RING	
	9	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	10	1	**4N-1151**	2	GASKET	
	11	1	**4P-0519**	1	ADAPTER AS-DRAIN	
	11A	1	**109-5839**	1	PLUG-DRAIN (ENGINE OIL PAN)	
	12	1	**5M-2894**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	**5P-7701**	1	SEAL-O-RING	
	14	1	**6V-3830**	1	SEAL-O-RING	
	15	1	**7E-4341**	1	PAN-OIL	
	16	1	**9S-9334**	1	PLUG-O-RING	
	17	1	**1A-2029**	3	BOLT (3/8-16X1.125-IN)	

175-3860 **PAN GP-OIL** *(contd.)* **i02939139**



GRAPHIC #1 **<END>** g00735585

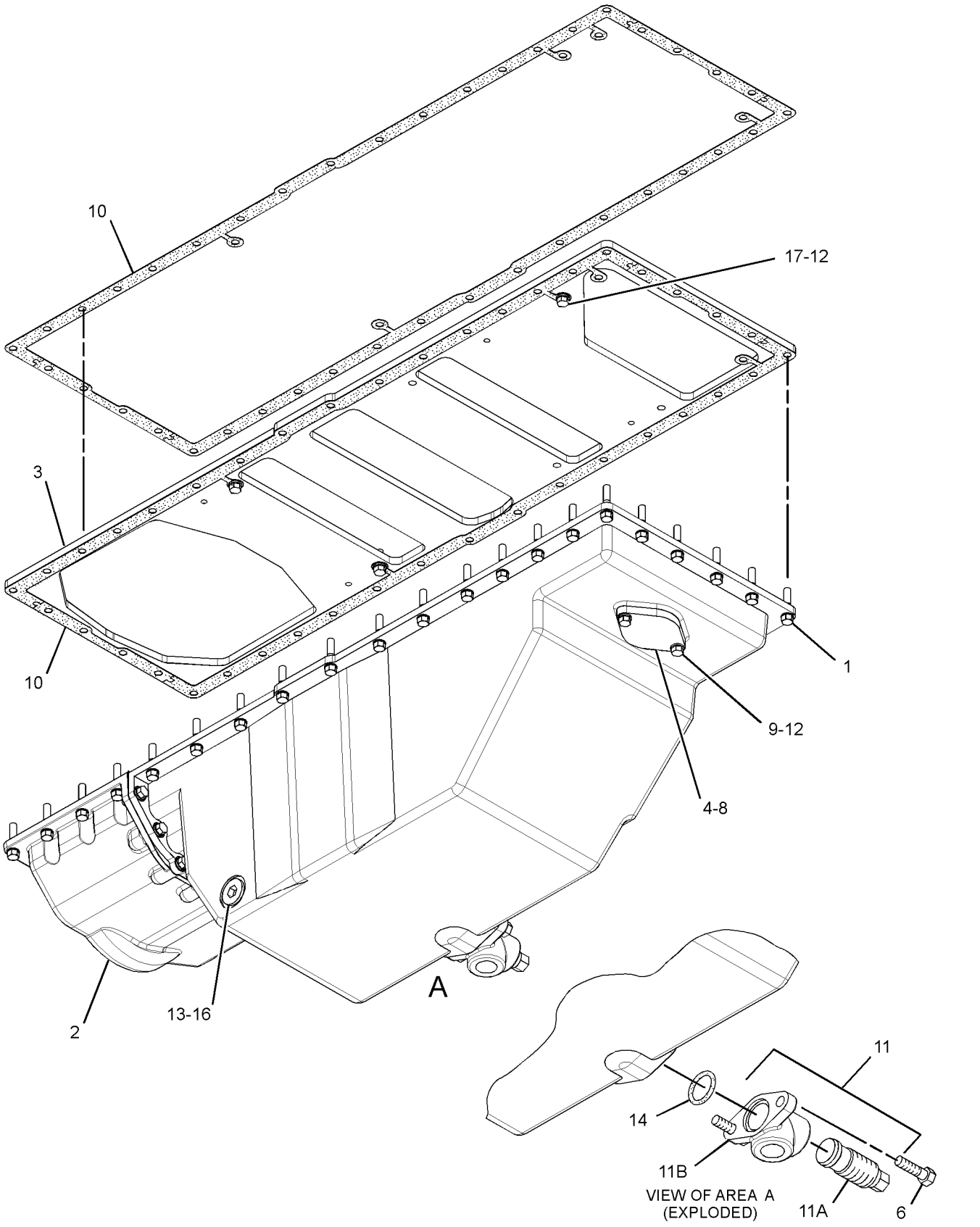
175-3860 PAN GP-OIL—ENGINE

S/N: JRE2348-UP
AN ATTACHMENT

SMCS-1302 **i03469382**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-3205**	40	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
Y	2	1	*335-1893*	1	PAN GP-OIL	329
	3	1	**9N-3167**	1	PLATE	
	4	1	**175-3868**	1	COVER	
	6	1	**0S-1587**	2	BOLT (1/2-13X1.75-IN)	
	8	1	**109-0076**	1	SEAL-O-RING	
	9	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
C	10	1	**188-0210**	2	GASKET	
	11	1	**4P-0519**	1	ADAPTER AS-DRAIN	
	11A	1	**109-5839**	1	PLUG-DRAIN (ENGINE OIL PAN)	
	11B	1	**109-5840**	1	ADAPTER-PLUG	
	12	1	**5M-2894**	5	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	**5P-7701**	1	SEAL-O-RING	
	14	1	**6V-3830**	1	SEAL-O-RING	
	16	1	**9S-9334**	1	PLUG-O-RING	
	17	1	**1A-2029**	3	BOLT (3/8-16X1.125-IN)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



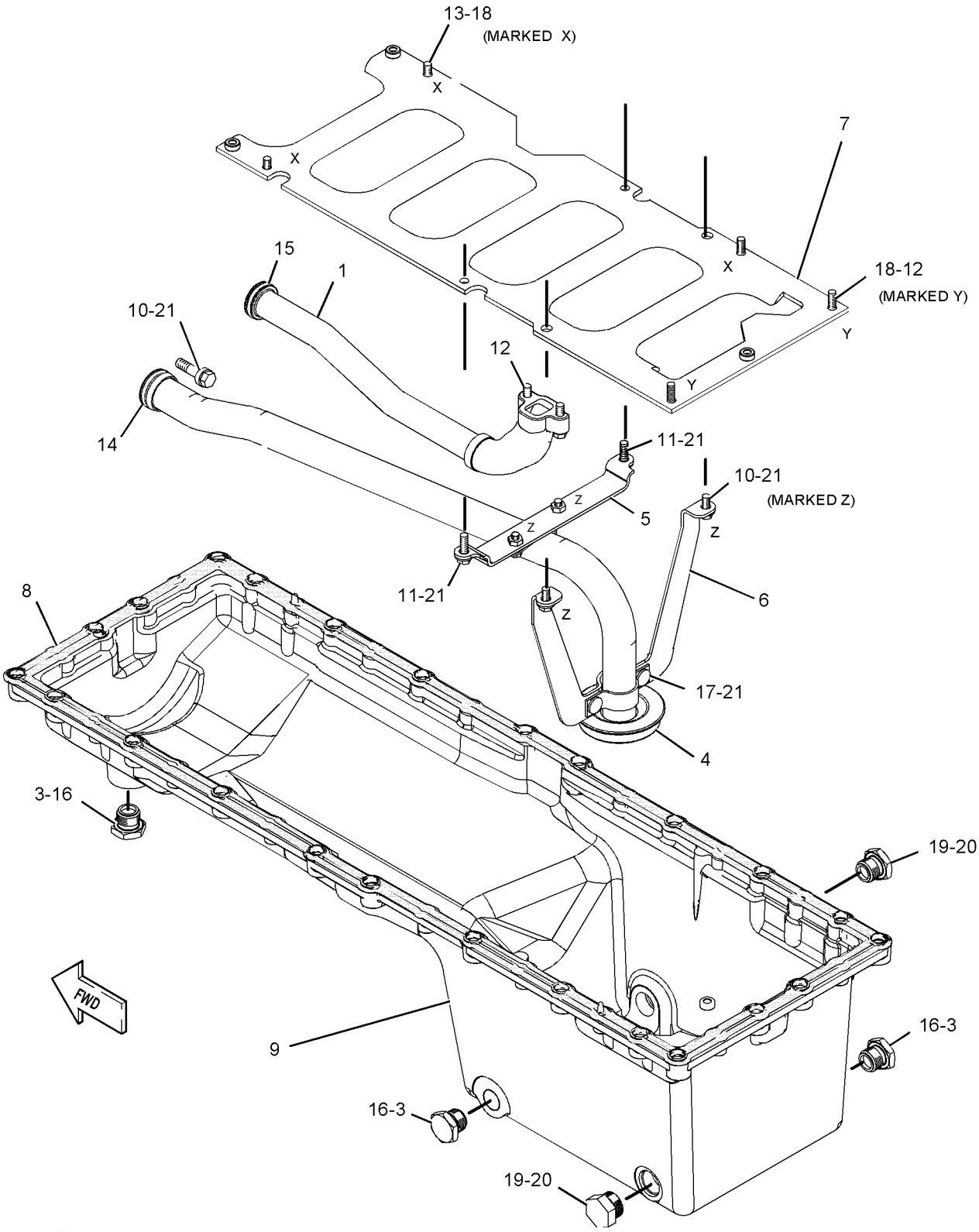
GRAPHIC #1 **<END>** g01812653

233-4890 PAN GP-OIL–REAR SUMP

PROVIDES AN OIL PAN ISOLATION SYSTEM
FOR USE WITH REAR OIL SUMP CONFIGURATION, ENGLISH STOR PORT AND FACE SEAL DRAIN PORTS
AN ATTACHMENT

SMCS-1302 **i03212342**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-7373**	1	TUBE AS	
	3	1	**9X-6451**	3	PLUG-DRAIN (ENGINE OIL PAN)	
	4	1	**109-6547**	1	TUBE AS	
	5	1	**115-2355**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	6	1	**115-2365**	1	BRACKET-TUBE	
	7	1	**118-2019**	1	UNDERFRAME AS	
	8	1	**168-5248**	1	SEAL-ISOLATION	
	9	1	**227-3006**	1	PAN-OIL	
	10	1	**0L-1351**	5	BOLT (3/8-16X0.875-IN) (MARKED Z)	
	11	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	12	1	**0S-1591**	4	BOLT (3/8-16X1.5-IN) (MARKED Y)	
	13	1	**0S-1594**	3	BOLT (3/8-16X1-IN) (MARKED X)	
	14	1	**109-0072**	1	SEAL-O-RING	
	15	1	**109-0078**	1	SEAL-O-RING	
	16	1	**121-0145**	3	SEAL-O-RING	
	17	1	**2K-4973**	2	LOCKNUT (3/8-16-THD)	
	18	1	**5M-2894**	5	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	19	1	**5P-7701**	2	SEAL-O-RING	
	20	1	**9S-4181**	2	PLUG-O-RING	
	21	1	**9X-6458**	9	WASHER-HARD (10.2X22.5X3-MM THK)	



GRAPHIC #1 **<END>** g01058886

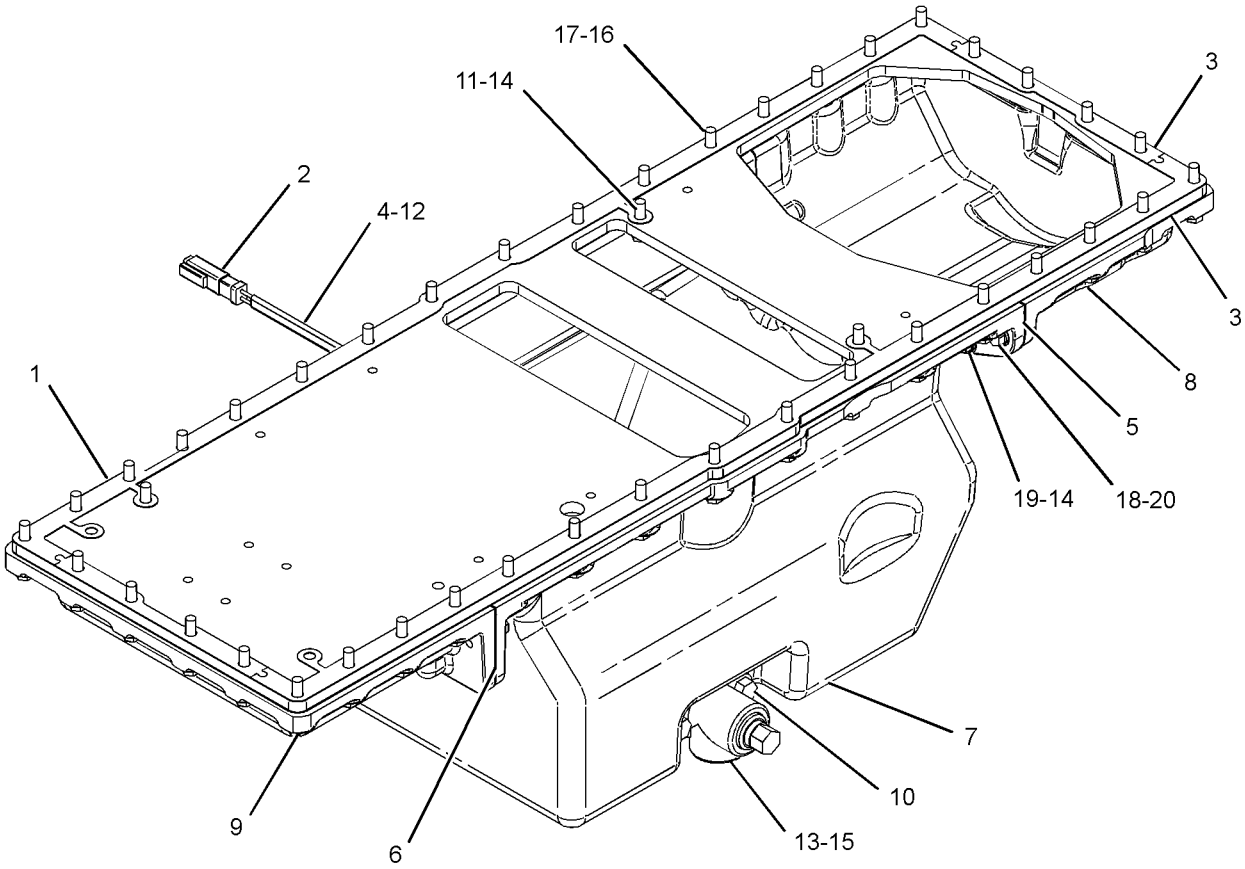
BASIC ENGINE

270-7278 PAN GP-OIL—ENGINE

AN ATTACHMENT

SMCS-1302 **i03200482**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7E-4661**	1	PLATE	
	2	1	**136-4303**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**155-2270**	1	KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**8T-8737**	2	PLUG-SEAL	
	3	1	**188-0210**	2	GASKET (ENGINE OIL PAN)	
	4	1	**213-0677**	1	SWITCH AS-LIQUID LEVEL (ENGINE OIL)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**144-1636**	2	PIN-CONNECTOR (14-GA TO 18-GA)	
					(EACH INCLUDES)	
		1	**9X-3401**	1	PIN-CONNECTOR (16-GA TO 18-GA)	
					—OR—	
		1	**126-1767**	1	PIN-CONNECTOR (14-GA)	
	5	1	**217-6415**	1	SEAL-INTEGRAL	
	6	1	**219-0614**	1	SEAL-INTEGRAL	
	7	1	**270-7104**	1	PAN-OIL	
	8	1	**270-7105**	1	PAN-FRONT OIL	
	9	1	**270-7106**	1	PAN-OIL	
	10	1	**0S-1587**	2	BOLT (1/2-13X1.75-IN)	
	11	1	**0S-1588**	3	BOLT (3/8-16X1.25-IN)	
	12	1	**3D-2824**	1	SEAL-O-RING	
	13	1	**4P-0519**	1	ADAPTER AS-DRAIN	
		1	**109-5839**	1	PLUG-DRAIN (ENGINE OIL PAN)	
	14	1	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	15	1	**6V-3830**	1	SEAL-O-RING	
	16	1	**8T-2501**	40	BOLT (3/8-16X2-IN)	
	17	1	**8T-4896**	40	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	18	1	**1B-7182**	4	BOLT (5/16-18X1.25-IN)	
	19	1	**3B-1915**	11	BOLT (3/8-16X1.375-IN)	
	20	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	



GRAPHIC #1 **<END>** g01161470

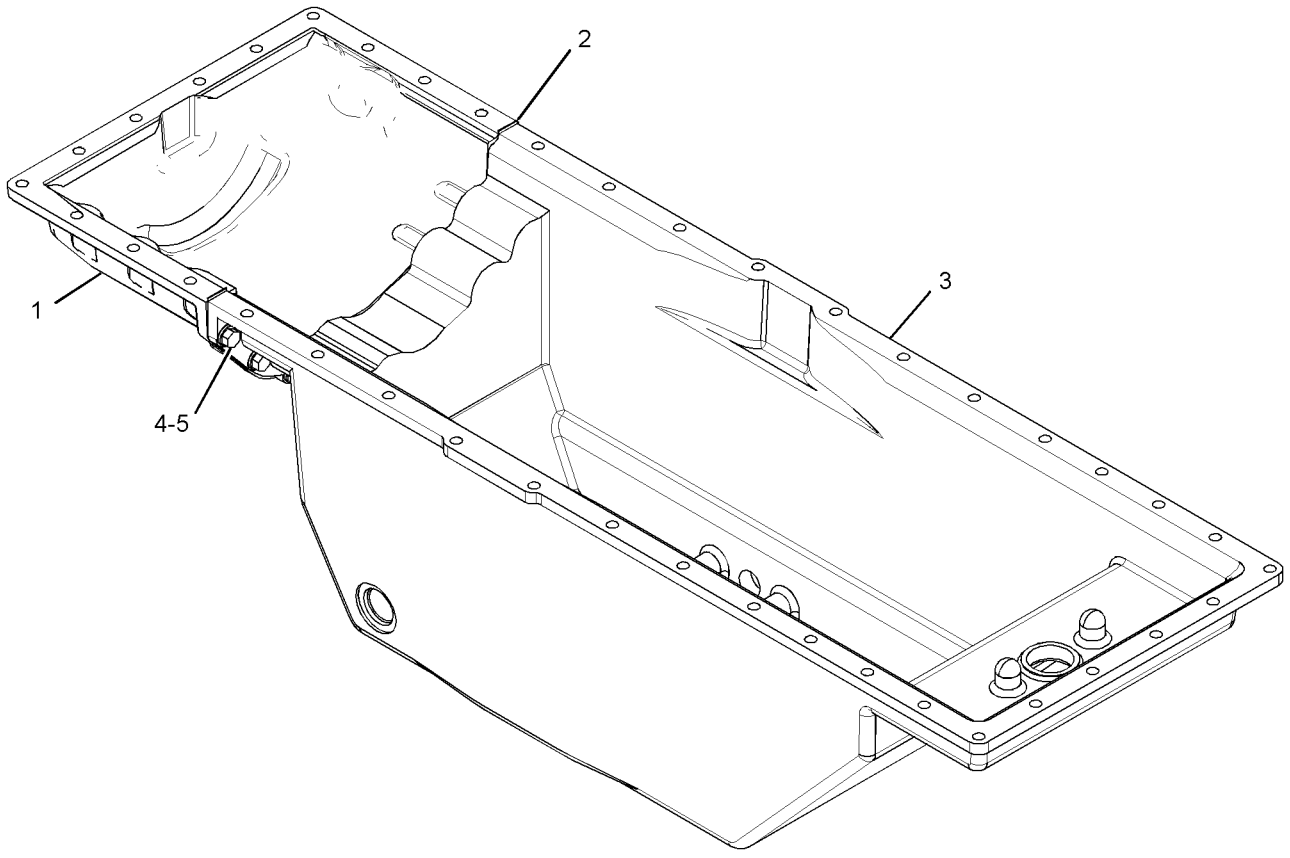
BASIC ENGINE

335-1893 PAN GP-OIL–ENGINE

S/N: JRE2348-UP
PART OF 175-3860 PAN GP-OIL
AN ATTACHMENT

SMCS-1302 **i03442680**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7E-4341**	1	PAN-OIL	
	2	1	**7E-4342**	1	GASKET	
	3	1	**179-3211**	1	PAN-OIL (ENGINE)	
	4	1	**0S-1588**	8	BOLT (3/8-16X1.25-IN)	
	5	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01817722

BASIC ENGINE

229-2863 PISTON & ROD GP

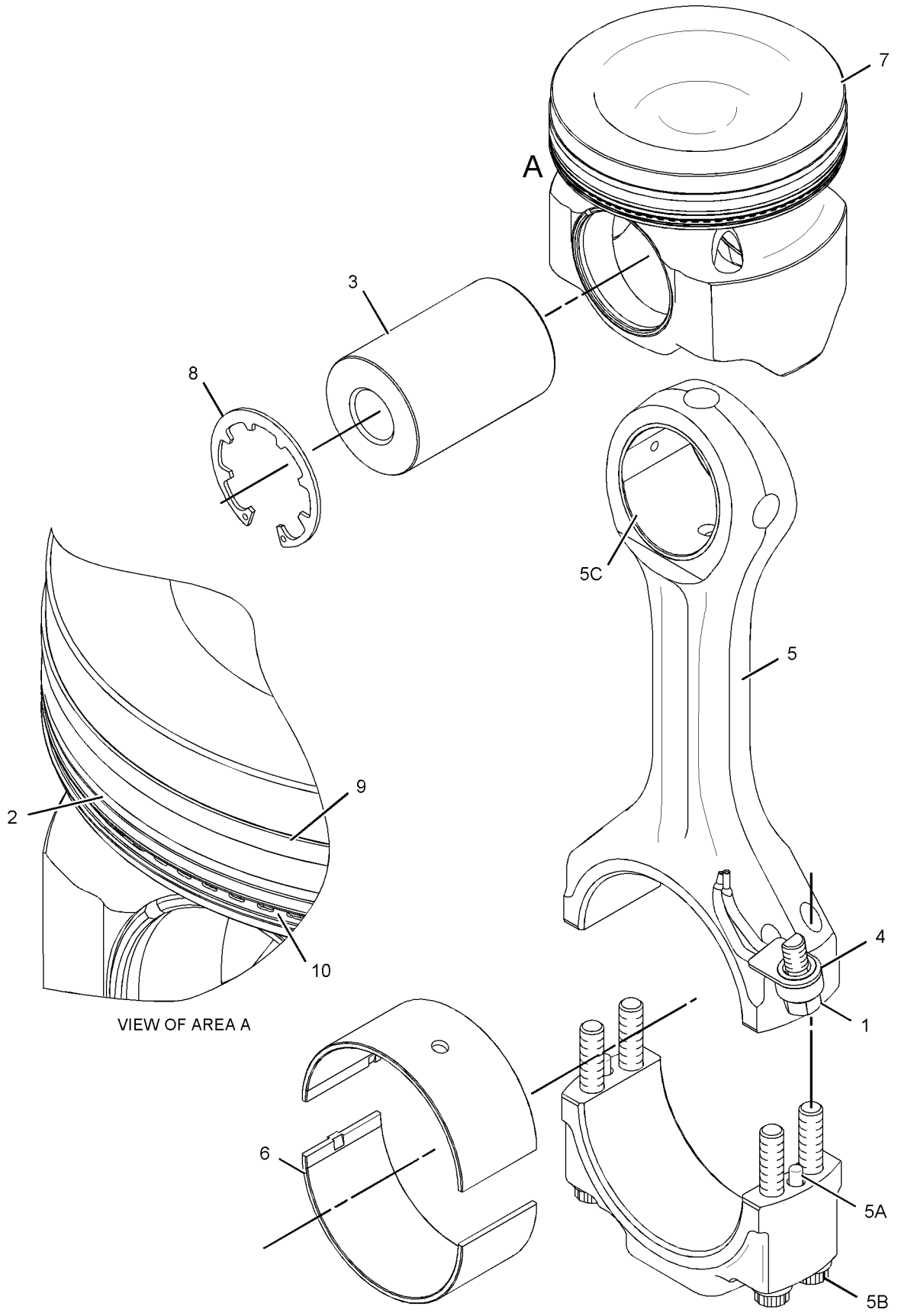
S/N: JRE1-105
18:1 COMPRESSION RATIO
AN ATTACHMENT

SMCS-1225 **i02207426**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-2A-THD) (OIL JET)	
	2	1	**176-5749**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**197-9361**	1	TUBE AS-OIL JET (OIL)	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**7N-2043**	2	DOWEL	
	5B	1	**213-3217**	4	BOLT (MJ11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
	7	1	**229-2861**	1	BODY AS	
	8	1	**230-2569**	2	RETAINER-PIN	
	9	1	**237-0194**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON-OIL	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i02207426**



GRAPHIC #1 **<END>** g01024548

BASIC ENGINE

229-2863 PISTON & ROD GP

S/N: JRE106-1298

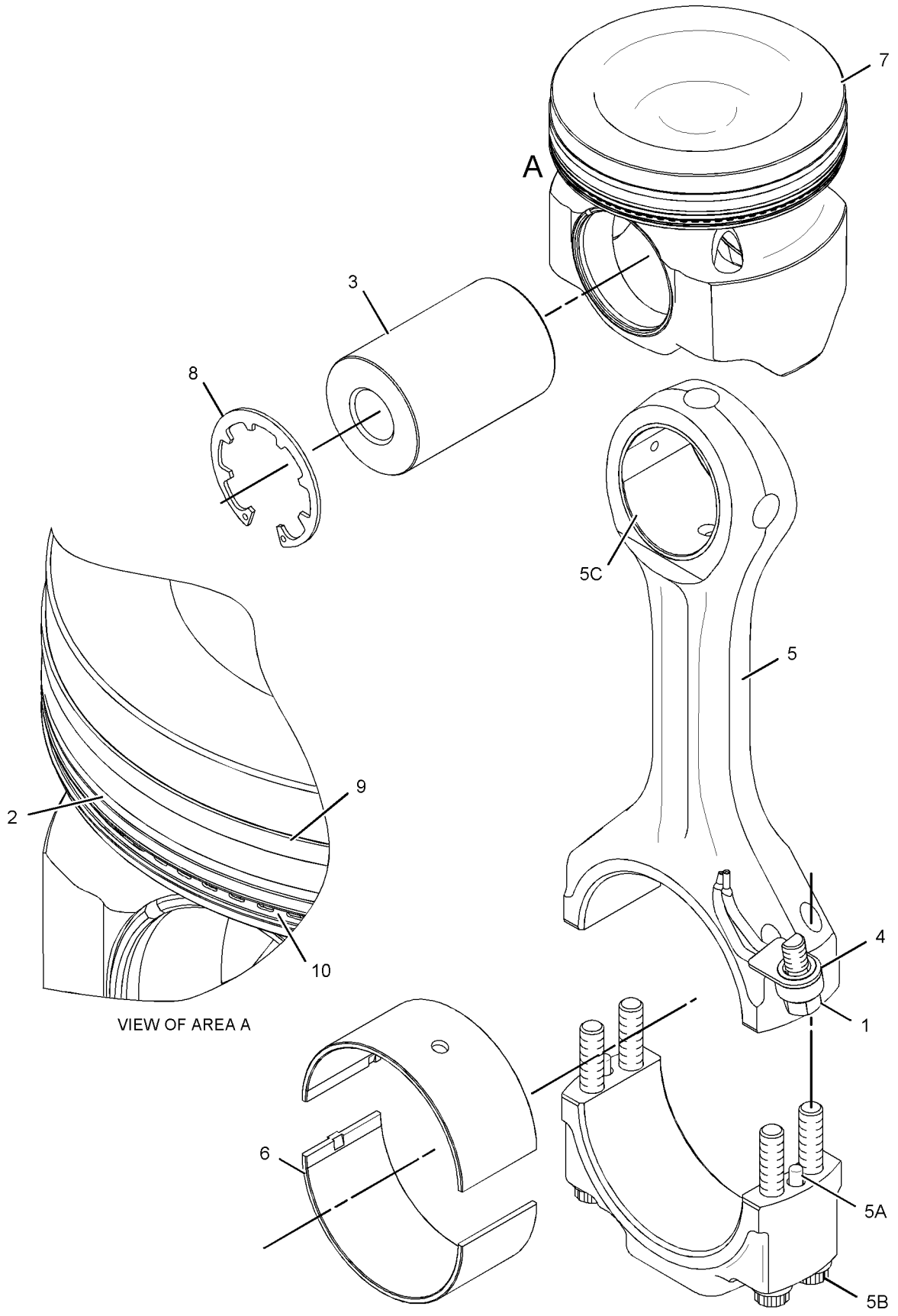
18:1 COMPRESSION RATIO

SMCS-1225 **i02656517**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-2A-THD)	
C	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**197-9361**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
C	7	1	**247-6123**	1	BODY AS-PISTON	
	8	1	**230-2569**	2	RETAINER-PIN	
C	9	1	**247-6130**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON-OIL	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i02656517**



GRAPHIC #1 **<END>** g01024548

BASIC ENGINE

229-2863 PISTON & ROD GP

S/N: JRE1299-2211

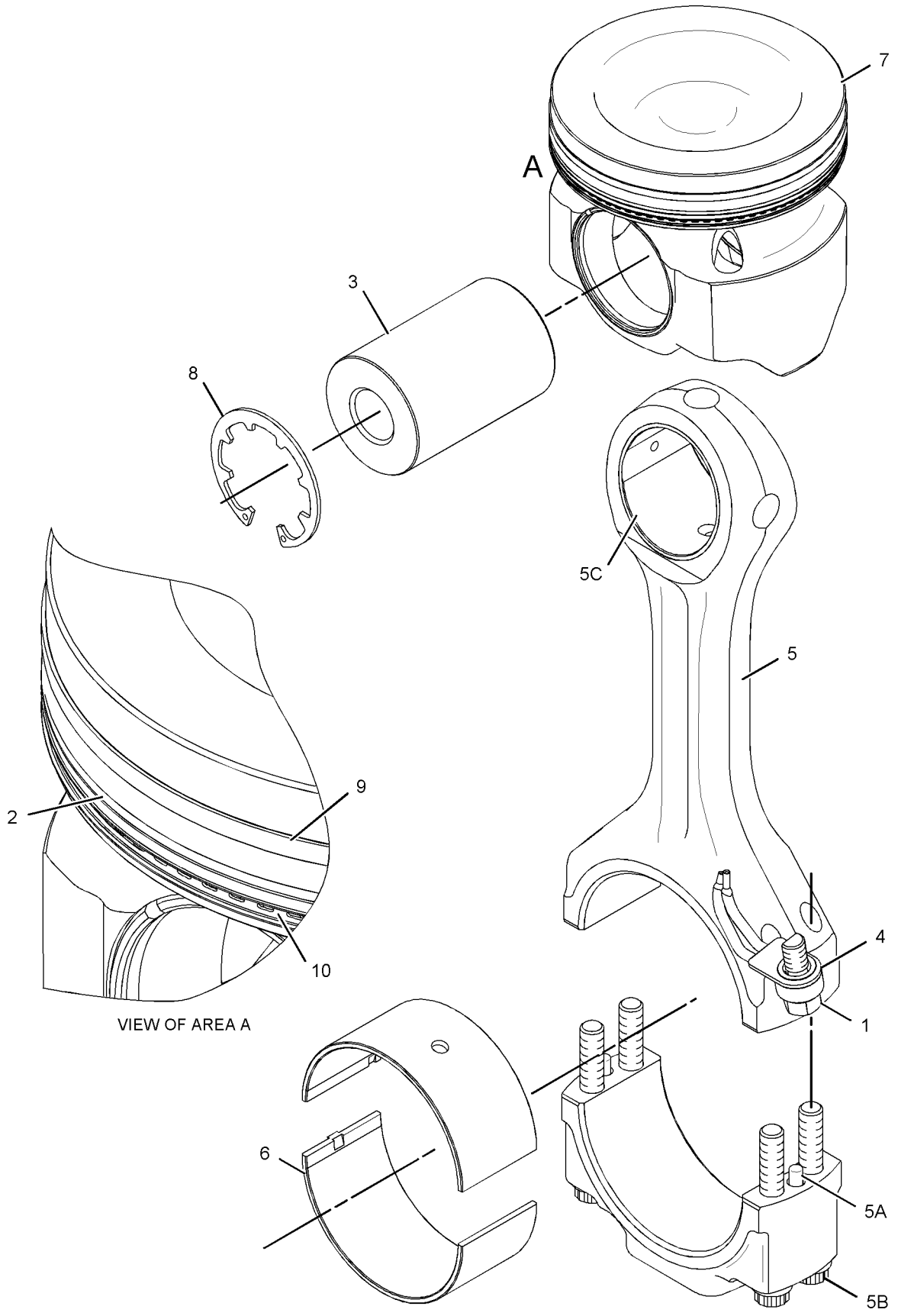
18:1 COMPRESSION RATIO

SMCS-1225 **i02656626**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-2A-THD)	
C	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**276-4637**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
C	7	1	**247-6123**	1	BODY AS-PISTON	
	8	1	**230-2569**	2	RETAINER-PIN	
C	9	1	**247-6130**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON-OIL	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i02656626**



GRAPHIC #1 **<END>** g01024548

BASIC ENGINE

229-2863 PISTON & ROD GP

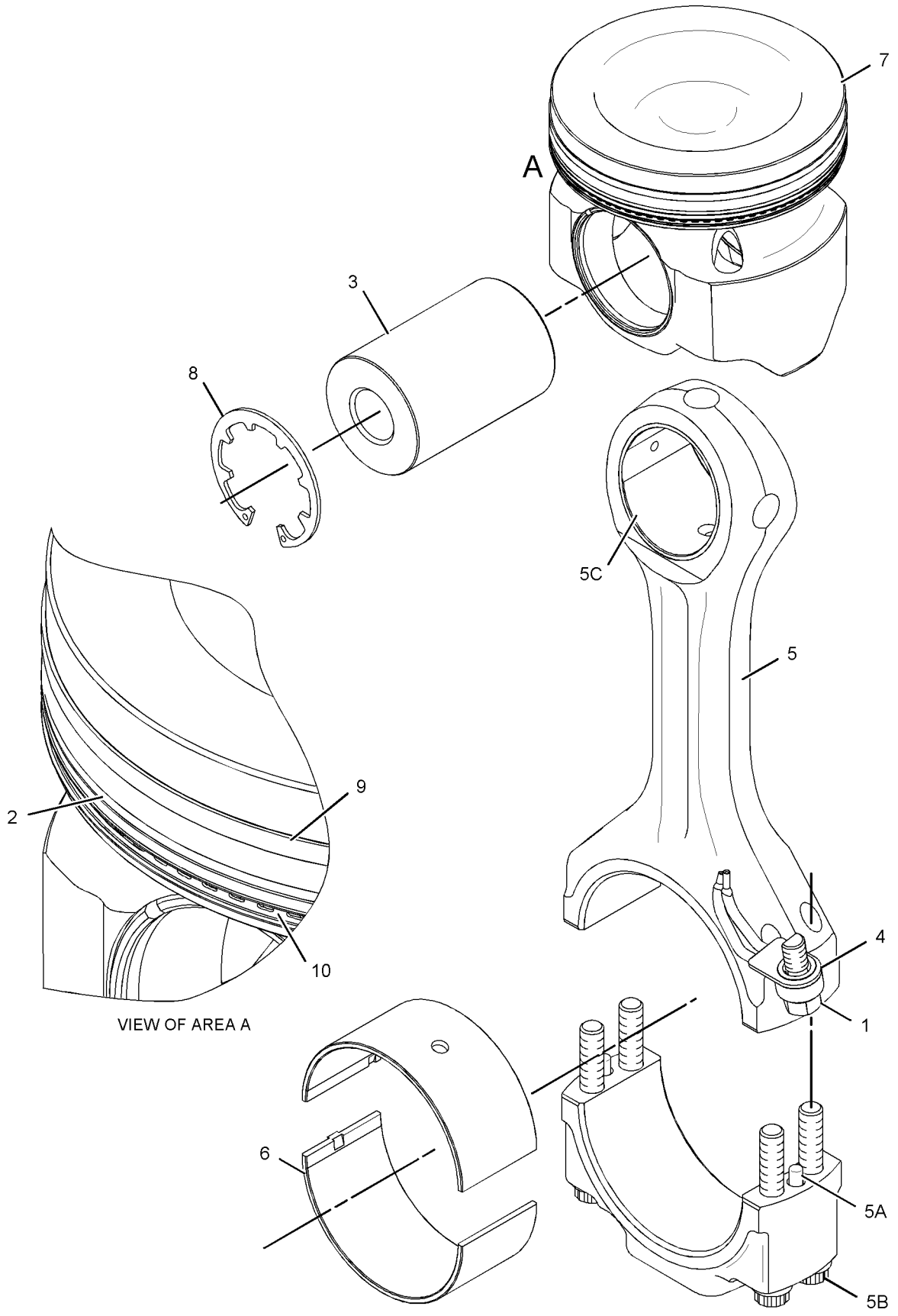
S/N: JRE2212-2638
18:1 COMPRESSION RATIO
ALSO AN ATTACHMENT

SMCS-1225 **i02656879**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-2A-THD)	
C	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**197-9361**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
C	7	1	**247-6123**	1	BODY AS-PISTON	
	8	1	**230-2569**	2	RETAINER-PIN	
C	9	1	**247-6130**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON-OIL	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i02656879**



GRAPHIC #1 **<END>** g01024548

BASIC ENGINE

229-2863 PISTON & ROD GP

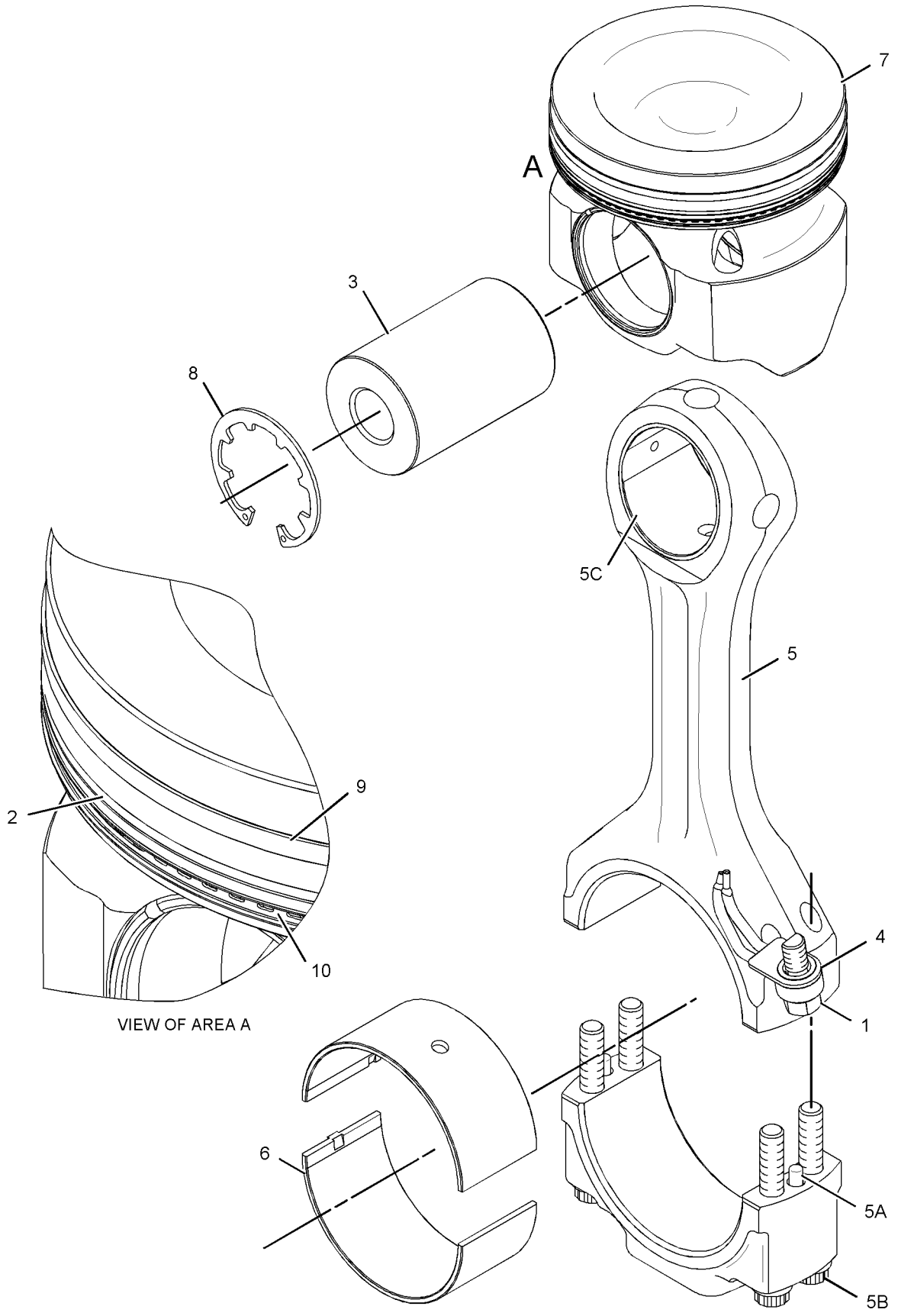
S/N: JRE2639-7144
18:1 COMPRESSION RATIO
ALSO AN ATTACHMENT

SMCS-1225 **i02593178**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-2A-THD)	
	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
C	4	1	**276-4637**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
	7	1	**247-6123**	1	BODY AS-PISTON	
	8	1	**230-2569**	2	RETAINER-PIN	
	9	1	**247-6130**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON-OIL	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i02593178**



GRAPHIC #1 **<END>** g01024548

BASIC ENGINE

229-2863 PISTON & ROD GP

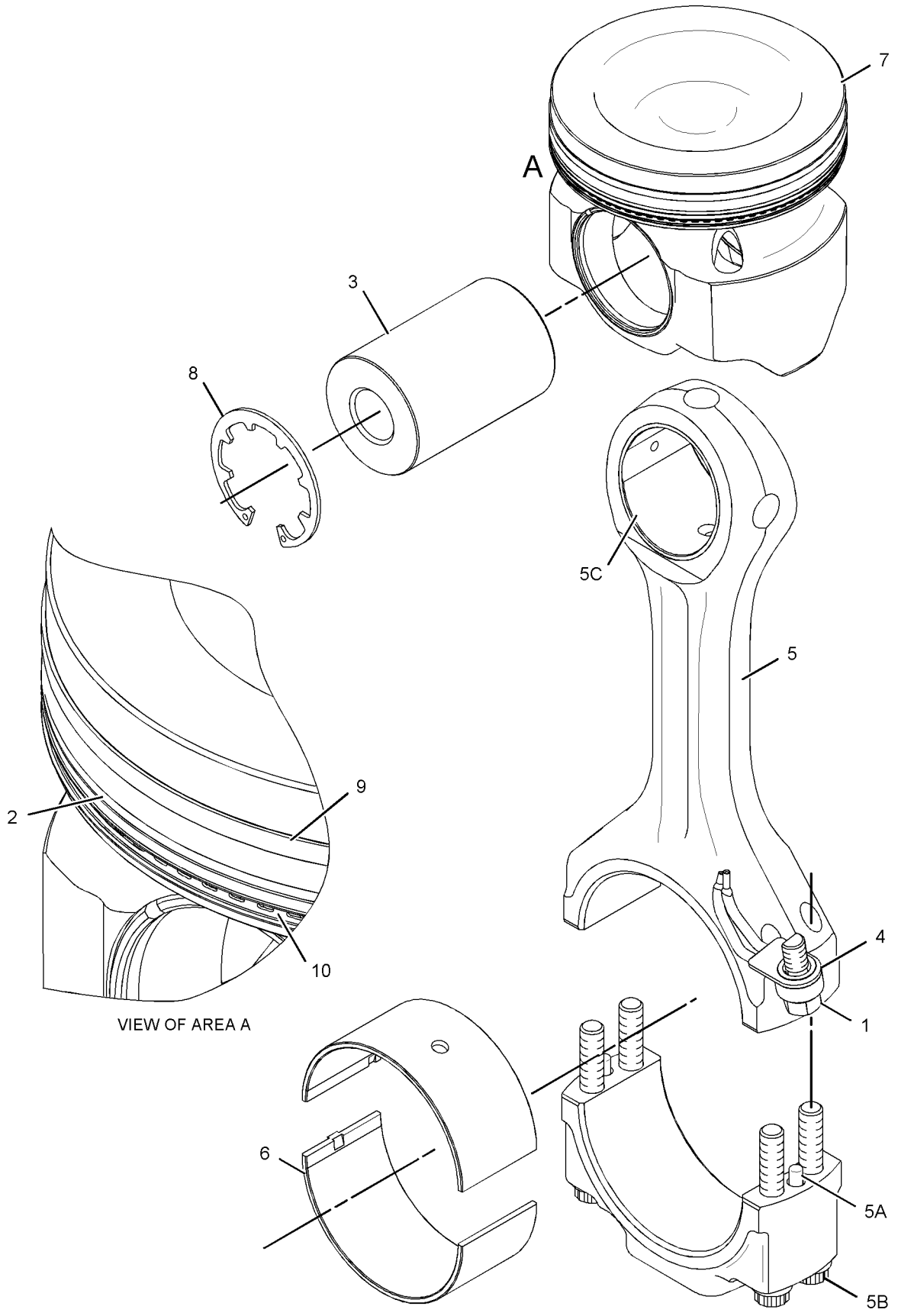
S/N: JRE7145-18018
18:1 COMPRESSION RATIO
ALSO AN ATTACHMENT

SMCS-1225 **i03101826**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-THD)	
	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**276-4637**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
	7	1	**247-6123**	1	BODY AS-PISTON	
	8	1	**230-2569**	2	RETAINER-PIN	
C	9	1	**295-5422**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i03101826**



GRAPHIC #1 **<END>** g01024548

BASIC ENGINE

229-2863 PISTON & ROD GP

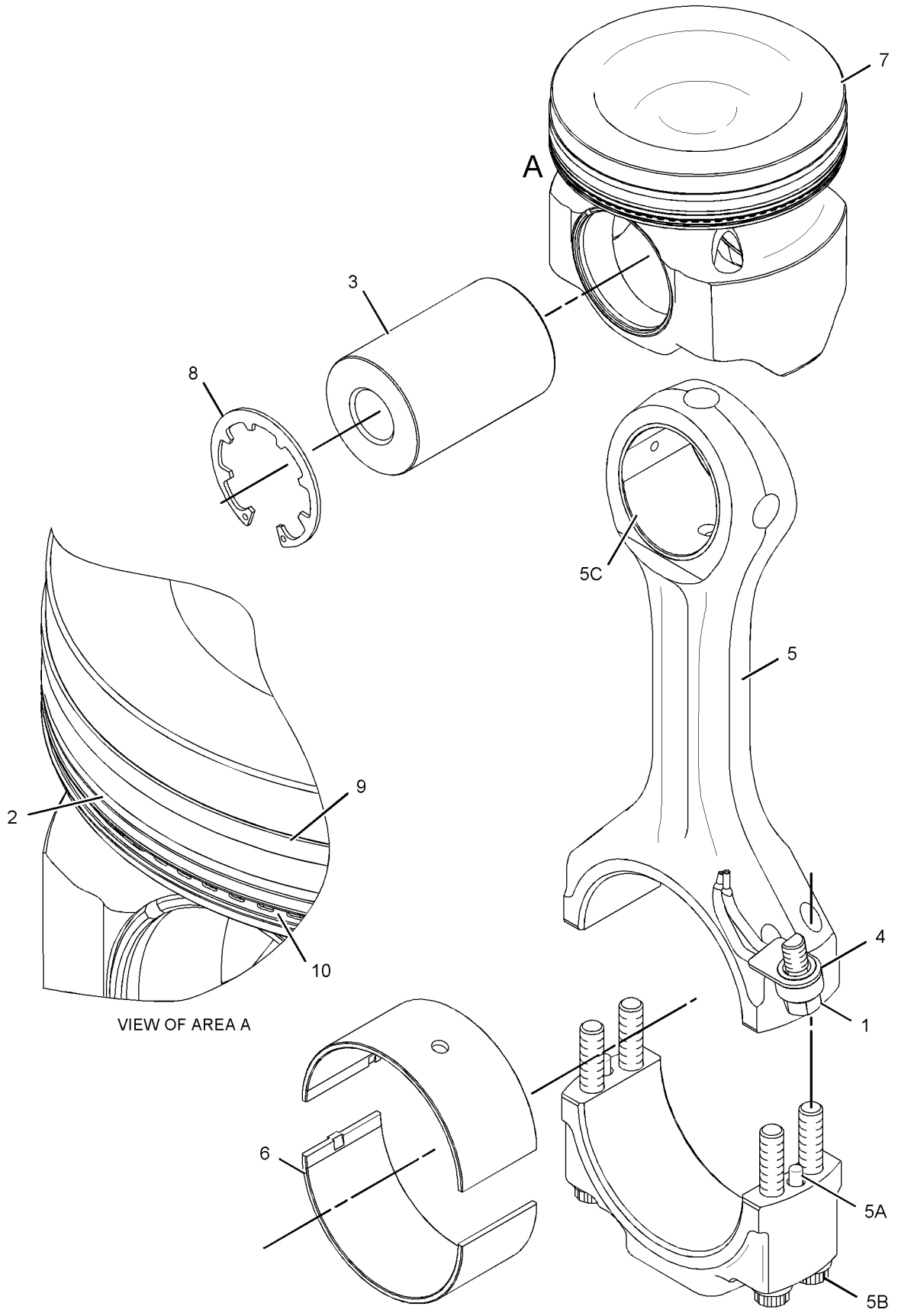
S/N: JRE1-10676
18:1 COMPRESSION RATIO
ALSO AN ATTACHMENT

SMCS-1225 **i03585063**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-THD)	
	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**276-4637**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
R	7	1	**247-6123**	1	BODY AS-PISTON	
	8	1	**230-2569**	2	RETAINER-PIN	
C	9	1	**247-6130**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i03585063**



GRAPHIC #1 **<END>** g01024548

BASIC ENGINE

229-2863 PISTON & ROD GP

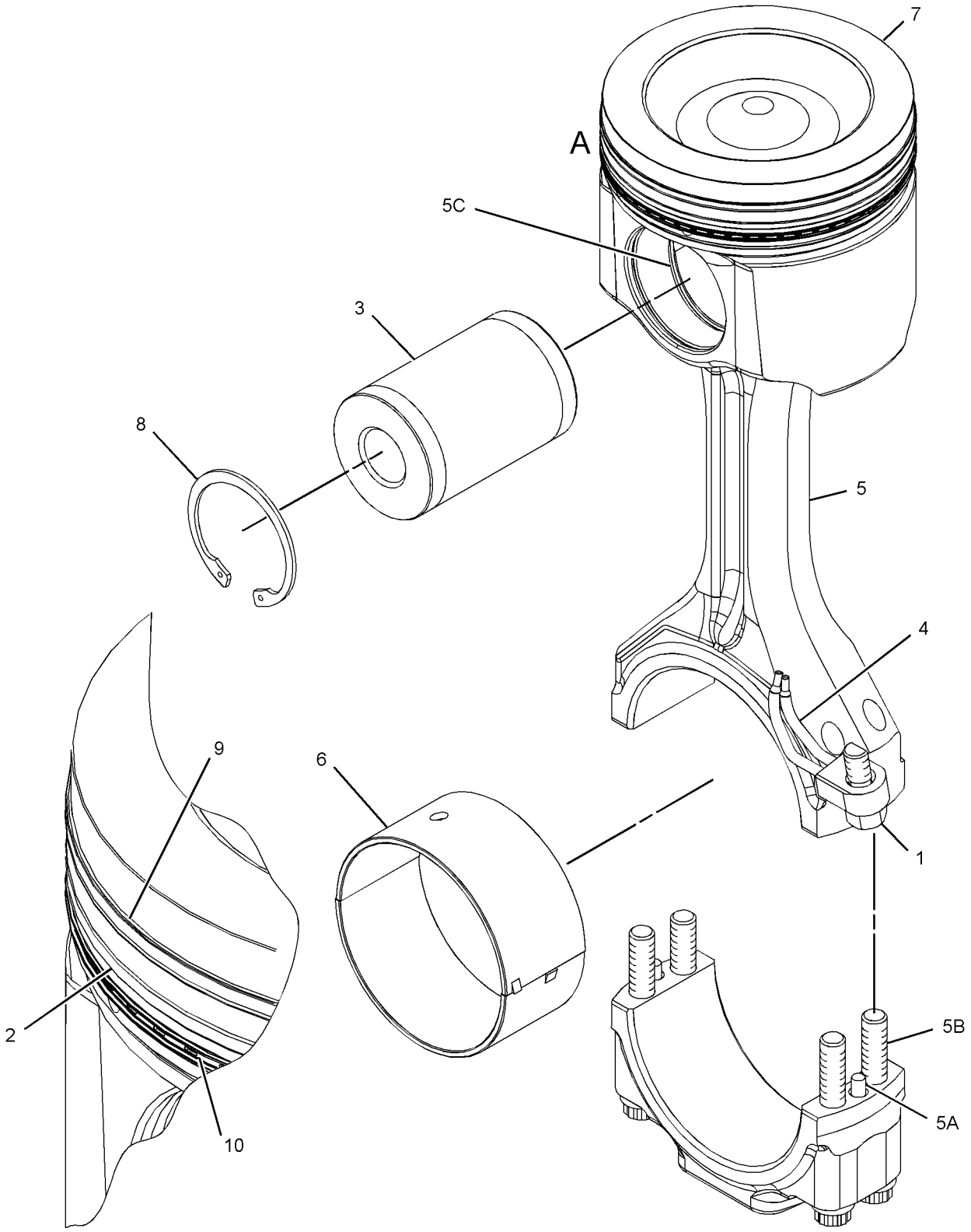
S/N: JRE10677-UP
18:1 COMPRESSION RATIO
ALSO AN ATTACHMENT

SMCS-1225 **i03670560**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-THD)	
	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**276-4637**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB			**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB			**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
C	7	1	**346-6616**	1	BODY AS-PISTON	
C	8	1	**250-2940**	2	RETAINER-PIN	
C	9	1	**310-4188**	1	RING-PISTON-TOP	
C	10	1	**306-4014**	1	RING-PISTON	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

229-2863 **PISTON & ROD GP** *(contd.)* **i03670560**



VIEW OF AREA A

GRAPHIC #1 **<END>** g01978175

BASIC ENGINE

252-0652 PISTON & ROD GP

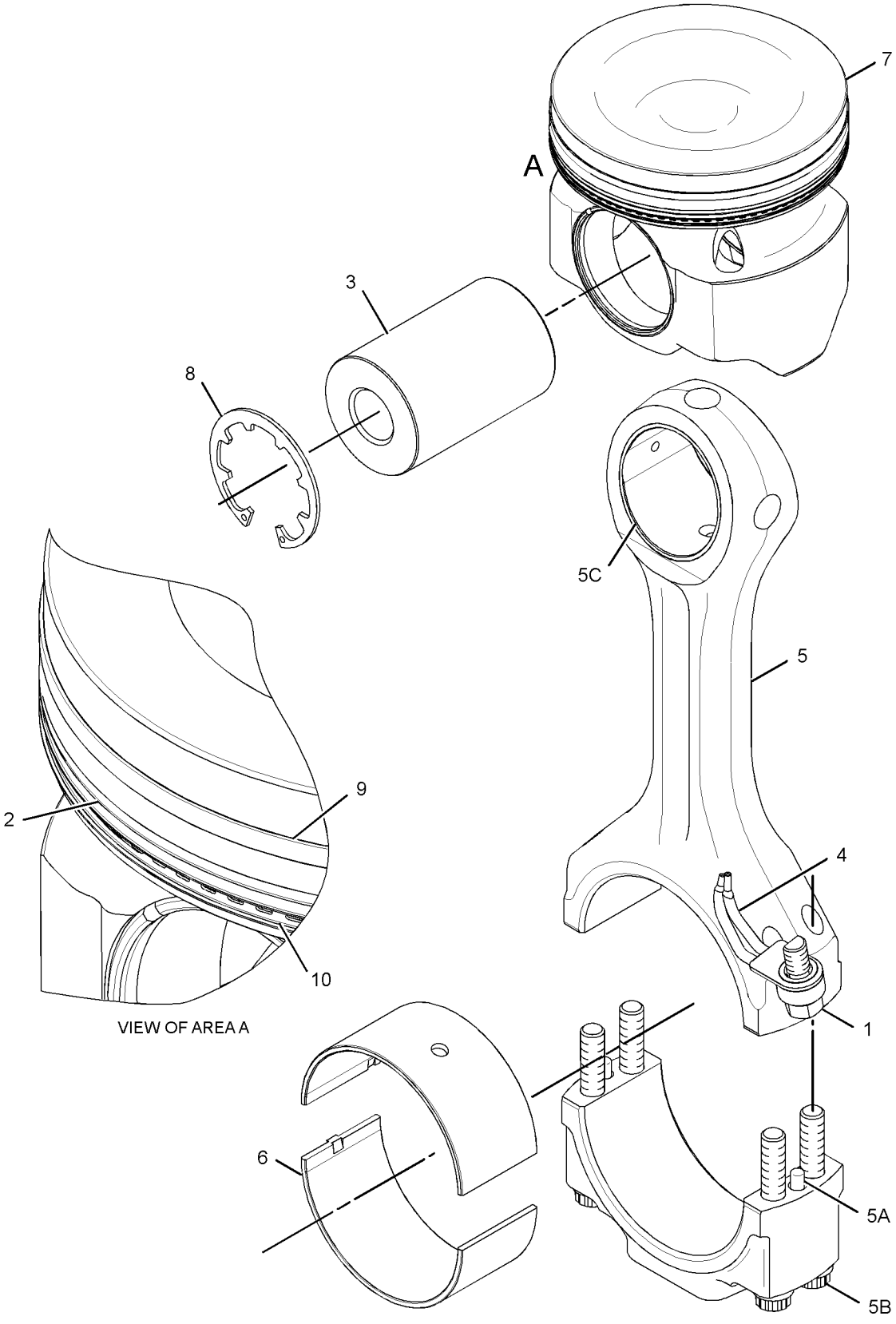
16:1 COMPRESSION RATIO

SMCS-1225 **i03585142**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**151-5925**	1	BOLT (7/16-14-THD) (OIL JET)	
	2	1	**164-4187**	1	RING-PISTON (INTERMEDIATE)	
	3	1	**180-7350**	1	PIN-PISTON	
	4	1	**279-1152**	1	TUBE AS-OIL JET	
R	5	1	**224-3245**	1	ROD AS	
	5A	1	**219-4458**	2	PIN-DOWEL	
	5B	1	**213-3217**	4	BOLT (M11X1.25X84-MM)	
	5C	1	**229-6259**	1	BEARING	
	6	1	**224-3246**	1	BEARING-CONNECTING ROD (STANDARD)	
AB		1	**232-3235**		BEARING-CONNECTING ROD (0.64-MM US)	
AB		1	**232-3236**		BEARING-CONNECTING ROD (1.27-MM US)	
	7	1	**252-0656**	1	BODY AS-PISTON	
	8	1	**250-2940**	2	RETAINER-PIN	
	9	1	**247-6130**	1	RING-PISTON-TOP	
	10	1	**238-0294**	1	RING-PISTON	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
R-REMFG PART MAY BE AVAILABLE

252-0652 **PISTON & ROD GP** *(contd.)* **i03585142**



GRAPHIC #1 **<END>** g01593361

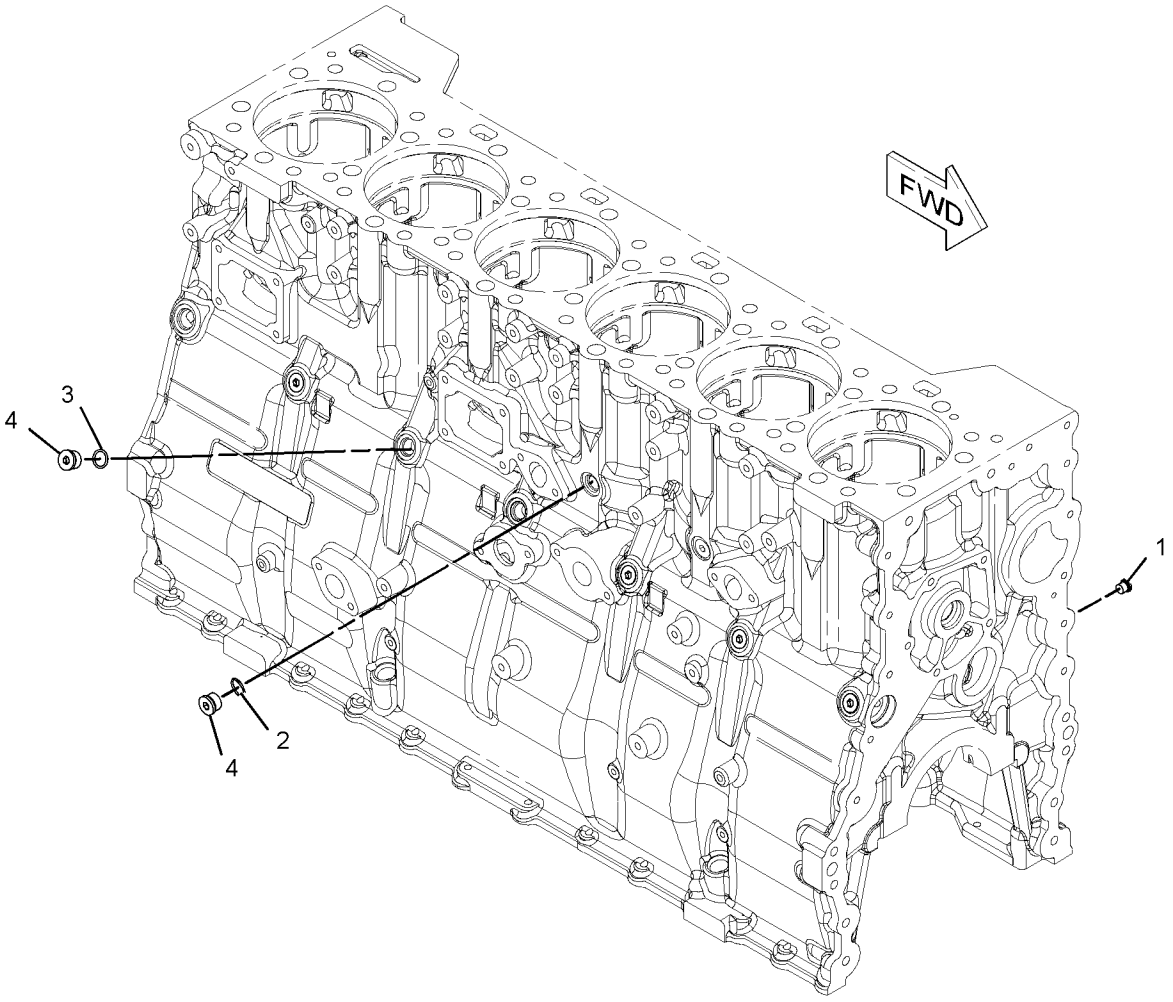
229-6709 PLUG GP-CYLINDER BLOCK

REQUIRES AIR COMPRESSOR COVER GROUP IF NO AIR COMPRESSOR
FOR USE WITH TWIN TURBO AND INLET VALVE ACTUATOR. CANNOT BE USED WITH BRAKESAVER APPLICATIONS
AN ATTACHMENT

SMCS-1201 **i02001298**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	*183-3409*	1	PLUG AS	
		1	**9S-8002**	1	PLUG-O-RING	
		1	**033-5853**	1	SEAL-O-RING	
	2	1	**6V-6609**	2	SEAL-O-RING	
	3	1	**8L-2786**	5	SEAL-O-RING	
C	4	1	**9S-8005**	7	PLUG-O-RING	

C-CHANGE FROM PREVIOUS TYPE



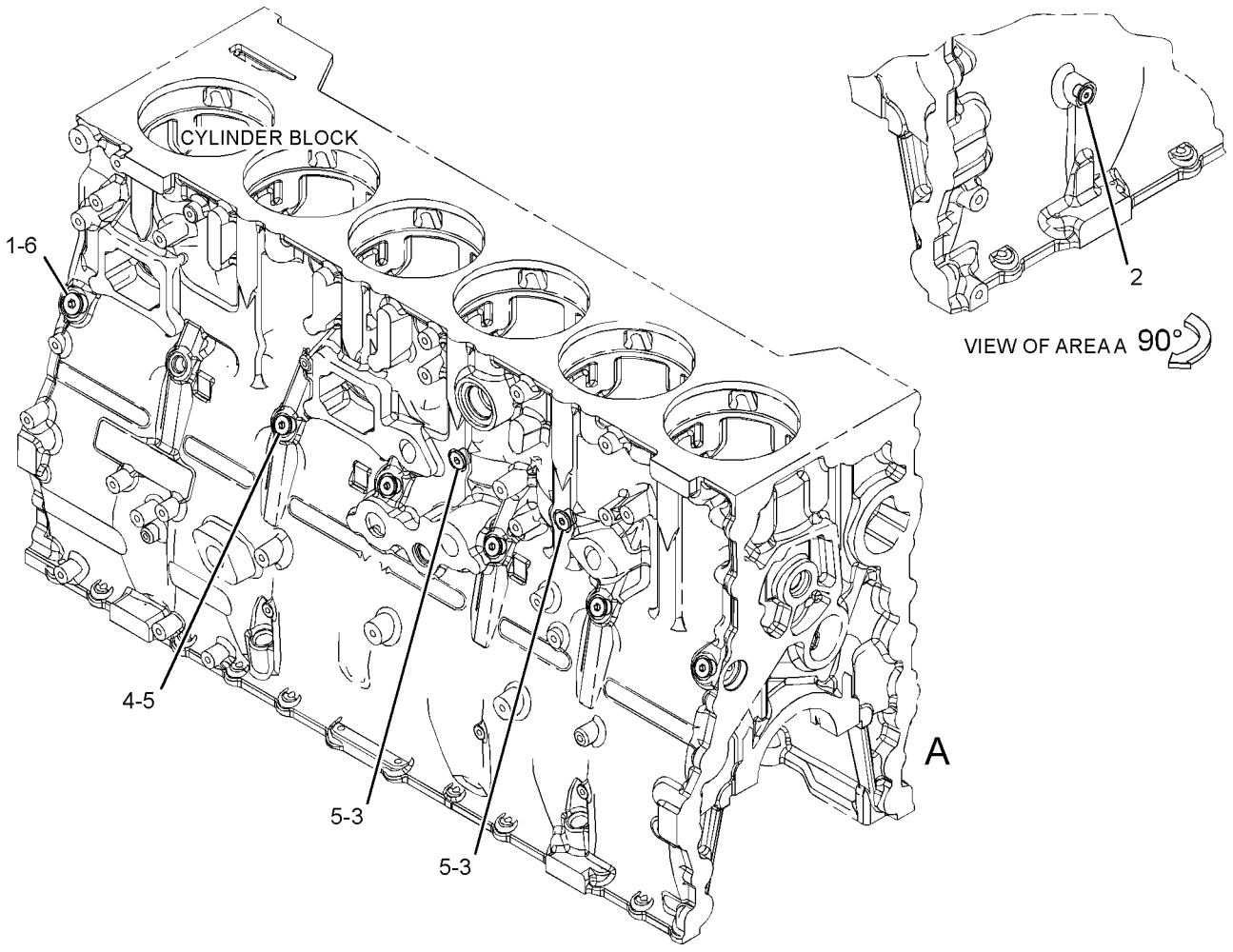
GRAPHIC #1 **<END>** g01038550

234-9183 PLUG GP-CYLINDER BLOCK

AN ATTACHMENT

SMCS-1201 **i03313272**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**136-7227**	1	SEAL-O-RING	
	2	1	*183-3409*	1	PLUG AS	
		1	**9S-8002**	1	PLUG-O-RING	
		1	**033-5853**	1	SEAL-O-RING (08.92MM ID)	
	3	1	**6V-6609**	2	SEAL-O-RING	
	4	1	**8L-2786**	5	SEAL-O-RING	
	5	1	**9S-8005**	7	PLUG-O-RING	
	6	1	**9S-8006**	1	PLUG-O-RING	



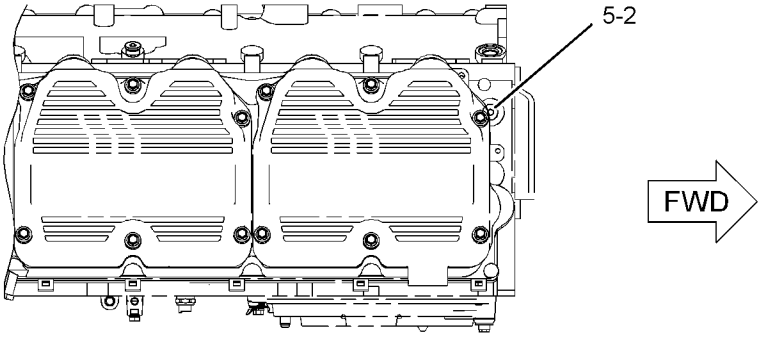
GRAPHIC #1 **<END>** g01692513

234-9706 PLUG GP-CYLINDER BLOCK

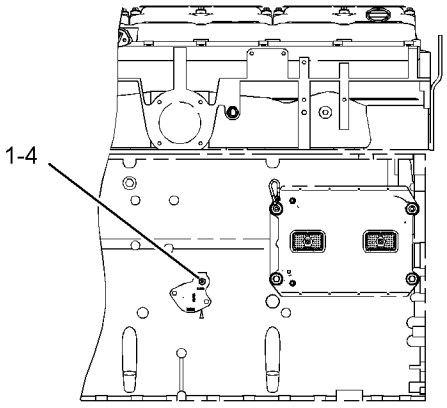
FOR USE WITH ACERT BLOCK AND HEAD
AN ATTACHMENT

SMCS-1201 **i02538264**

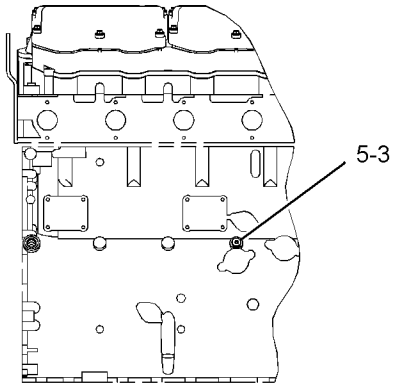
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-5048**	1	SEAL-O-RING (08.92MM-ID)	
	2	1	**6V-6609**	1	SEAL-O-RING (16.36MM-ID)	
	3	1	**8L-2786**	1	SEAL-O-RING (16.36MM ID)	
	4	1	**9S-8002**	1	PLUG-O-RING	
	5	1	**9S-8005**	2	PLUG-O-RING	



TOP VIEW



LEFT SIDE VIEW



RIGHT SIDE VIEW

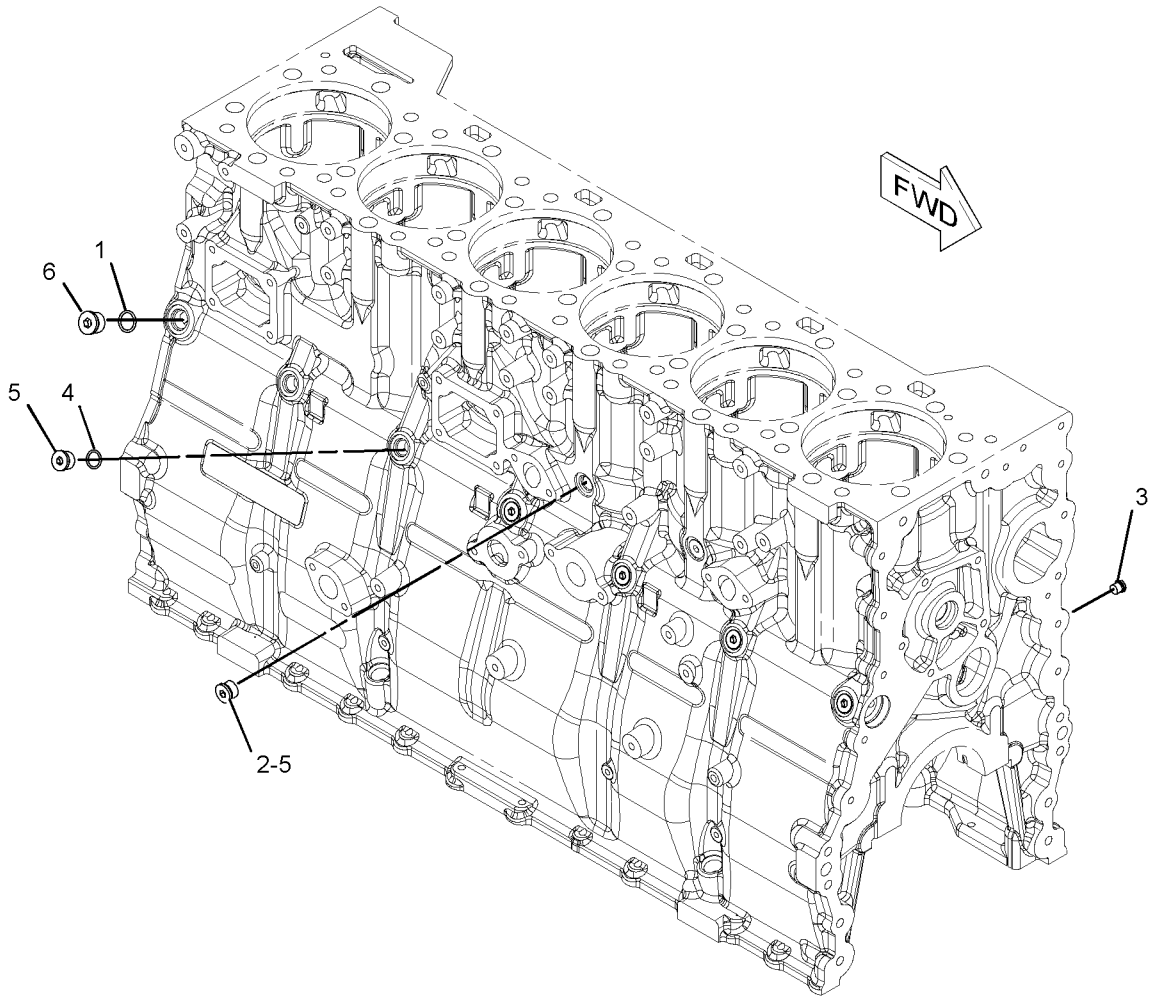
GRAPHIC #1 **<END>** g01070425

247-8211 PLUG GP-CYLINDER BLOCK

AN ATTACHMENT

SMCS-1201 **i02047085**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**136-7227**	1	SEAL-O-RING	
	2	1	**6V-6609**	2	SEAL-O-RING	
	3	1	*183-3409*	1	PLUG AS	
		1	**9S-8002**	1	PLUG-O-RING	
		1	**033-5853**	1	SEAL-O-RING (08.92MM ID)	
	4	1	**8L-2786**	5	SEAL-O-RING	
	5	1	**9S-8005**	7	PLUG-O-RING	
	6	1	**9S-8006**	1	PLUG-O-RING	



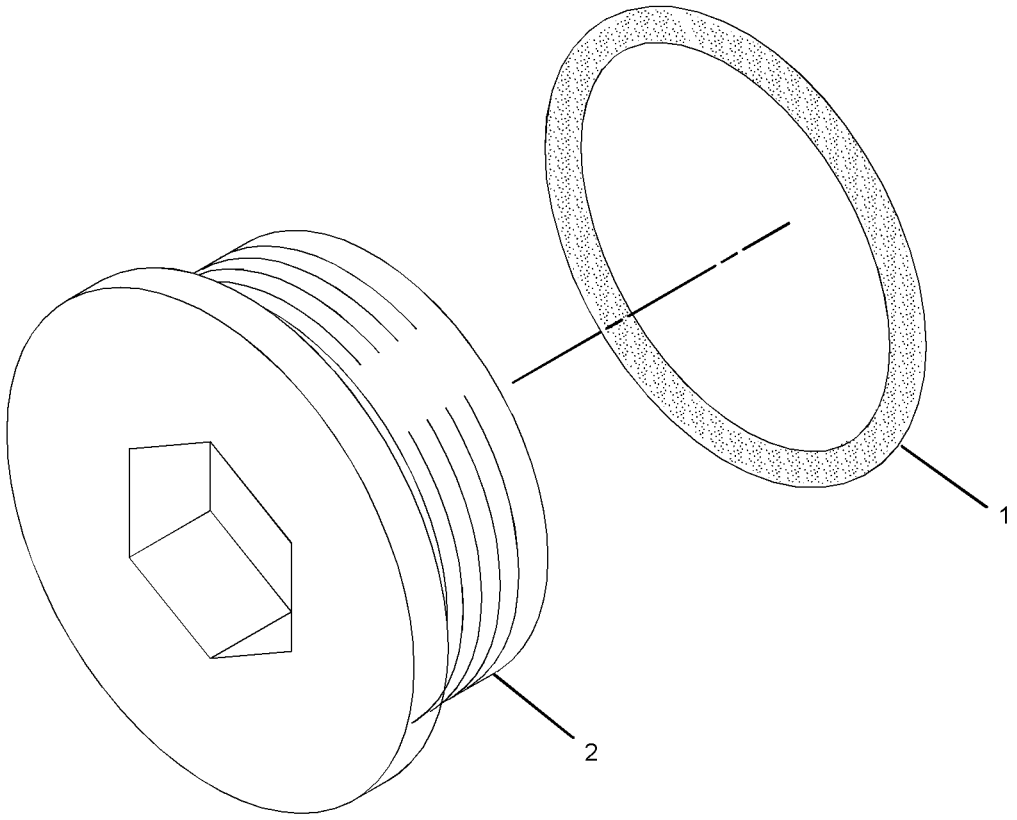
GRAPHIC #1 **<END>** g01045391

305-9196 PLUG GP-CYLINDER BLOCK

S/N: JRE3478-UP
PART OF 223-9252 CYLINDER BLOCK GP
ALSO AN ATTACHMENT

SMCS-1201 **i02680401**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-5065**	1	SEAL-O-RING	
	2	1	**9S-8010**	1	PLUG	



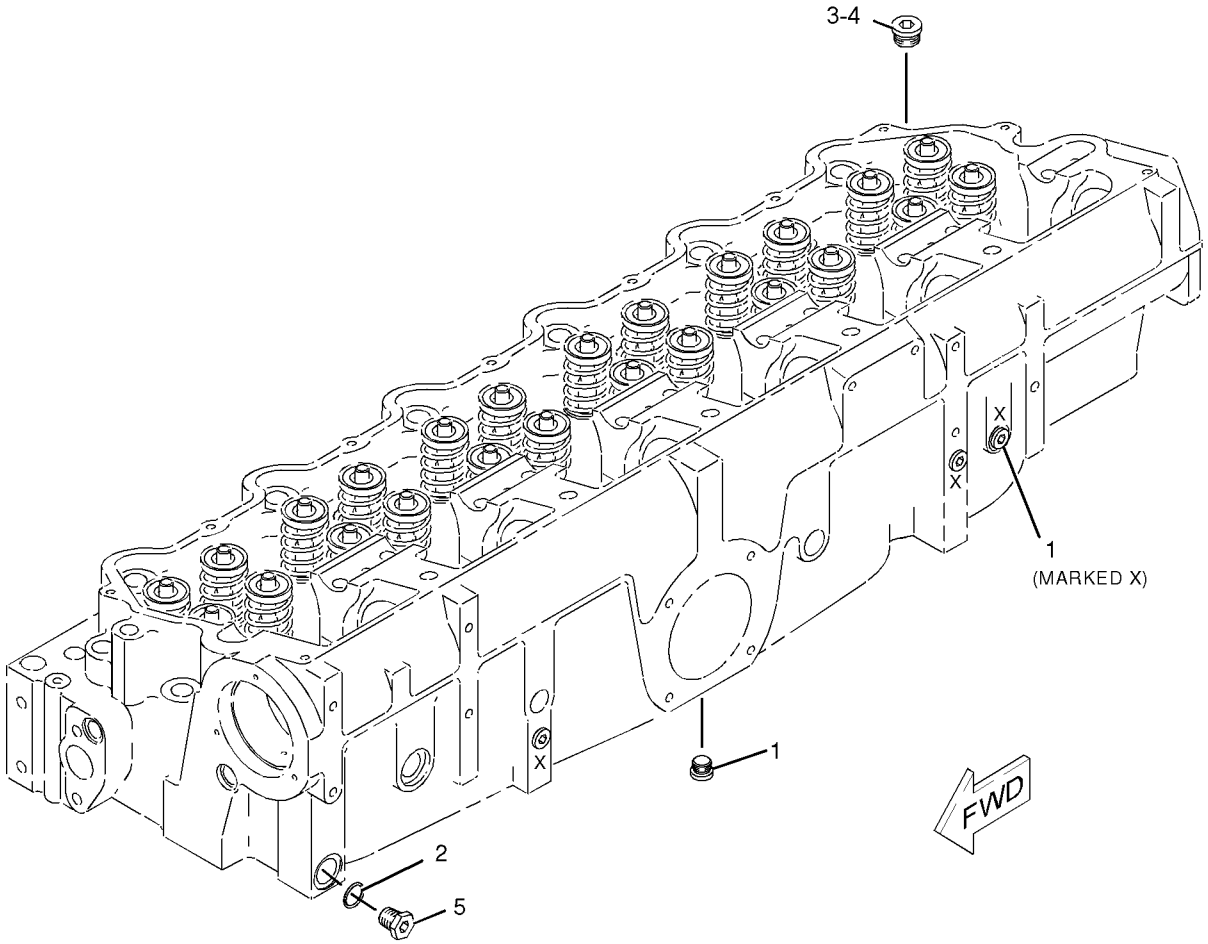
GRAPHIC #1 **<END>** g01347363

234-5986 PLUG GP-CYLINDER HEAD

AN ATTACHMENT

SMCS-1100 **i02627859**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*183-3408*	4	PLUG AS (MARKED X)	
					(EACH INCLUDES)	
		1	**6V-5049**	1	SEAL-O-RING	
		1	**9S-8004**	1	PLUG	
	2	1	**6V-3251**	1	SEAL-O-RING	
	3	1	**6V-6609**	1	SEAL-O-RING	
	4	1	**9S-8005**	1	PLUG-O-RING	
	5	1	**9S-8006**	1	PLUG-O-RING	



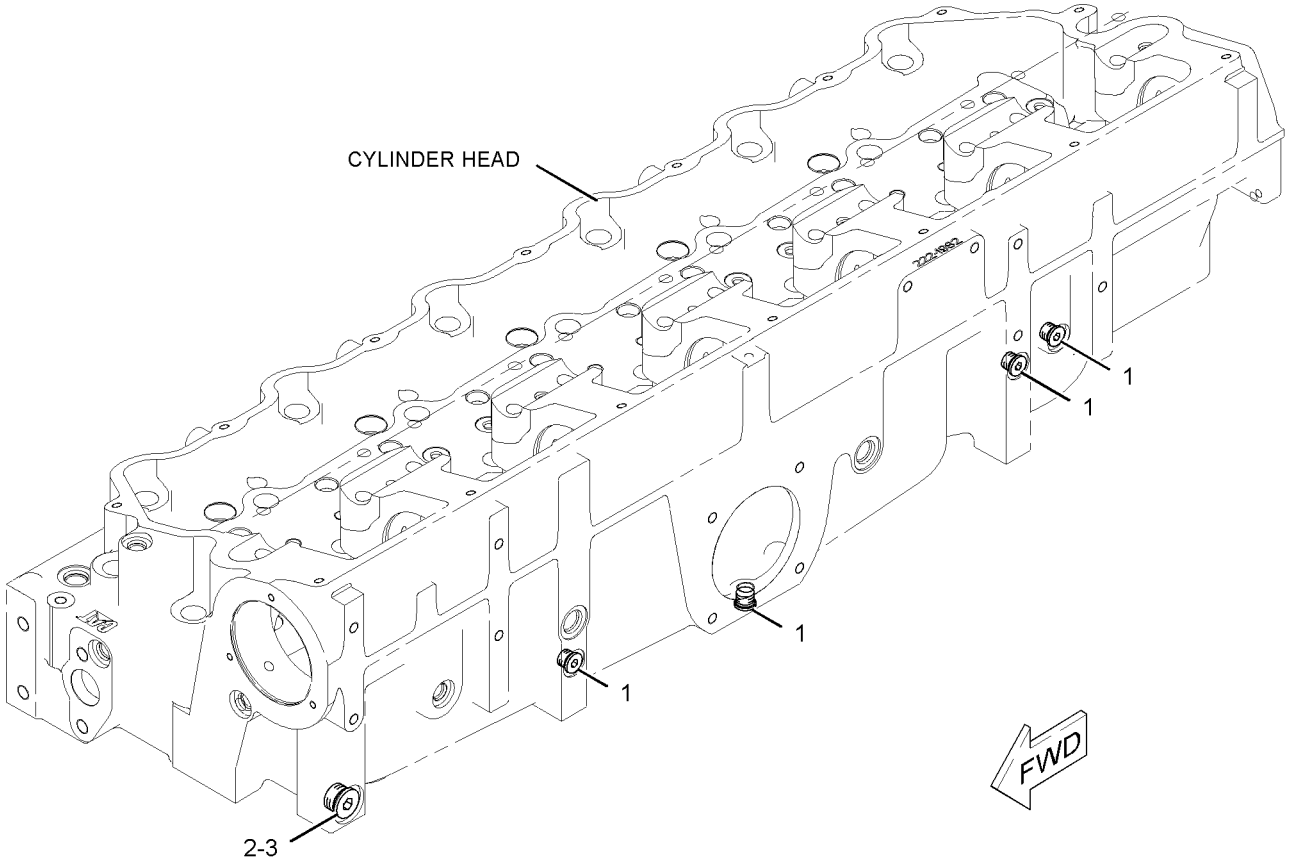
GRAPHIC #1 **<END>** g01037920

234-9184 PLUG GP-CYLINDER HEAD

AN ATTACHMENT

SMCS-1100 **i01959559**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*183-3408*	4	PLUG AS (HI TEMPERTATURE)	
					(EACH INCLUDES)	
		1	**6V-5049**	1	SEAL-O-RING (19.18MM ID)	
		1	**9S-8004**	1	PLUG (9/16-18 THD)	
	2	1	**6V-3251**	1	SEAL-O-RING (11.89MM ID)	
	3	1	**9S-8006**	1	PLUG-O-RING (7/18-14 THD)	



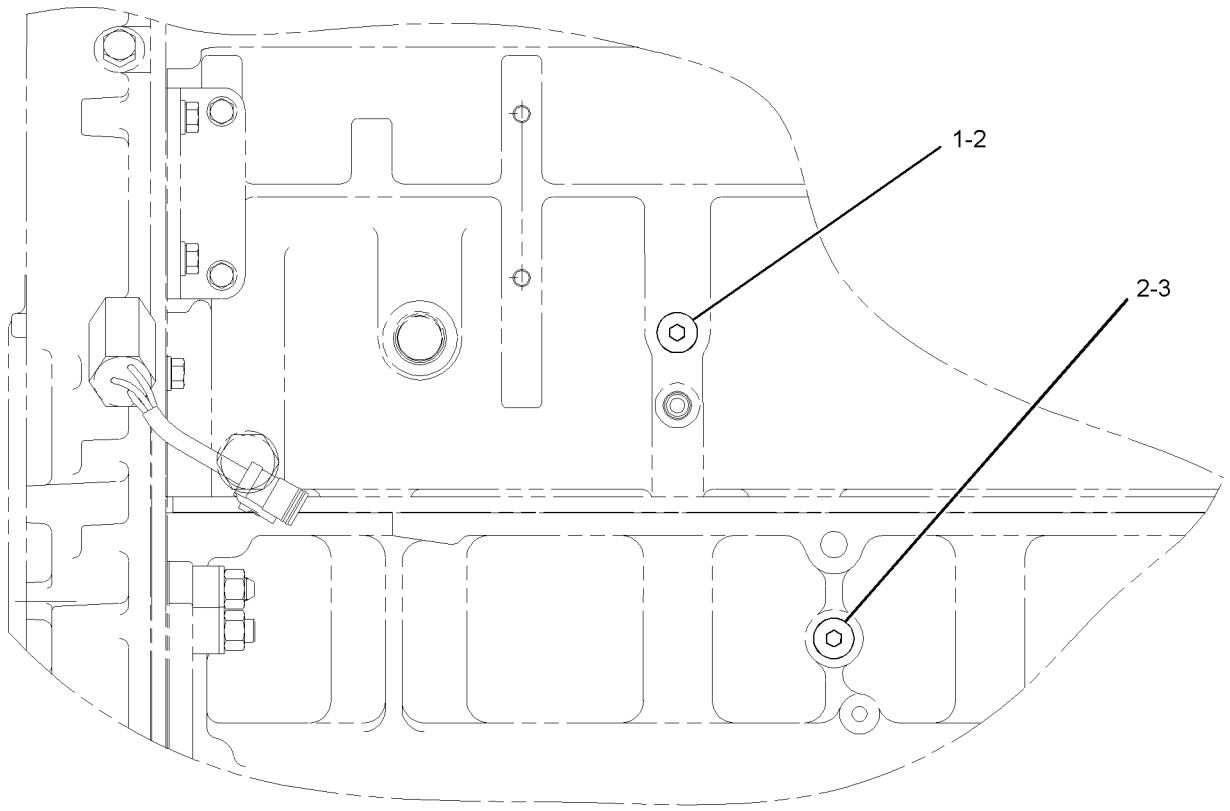
GRAPHIC #1 **<END>** g01031833

234-9775 PLUG GP-ENGINE

AN ATTACHMENT

SMCS-1100 **i02014493**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-2786**	1	SEAL-O-RING (16.36MM ID)	
	2	1	**9S-8005**	2	PLUG-O RING (3/4-16 THD)	
	3	1	**6V-6609**	1	SEAL-O-RING (16.36MM-ID)	



LEFT SIDE VIEW

GRAPHIC #1

<END>

g01045378

BASIC ENGINE

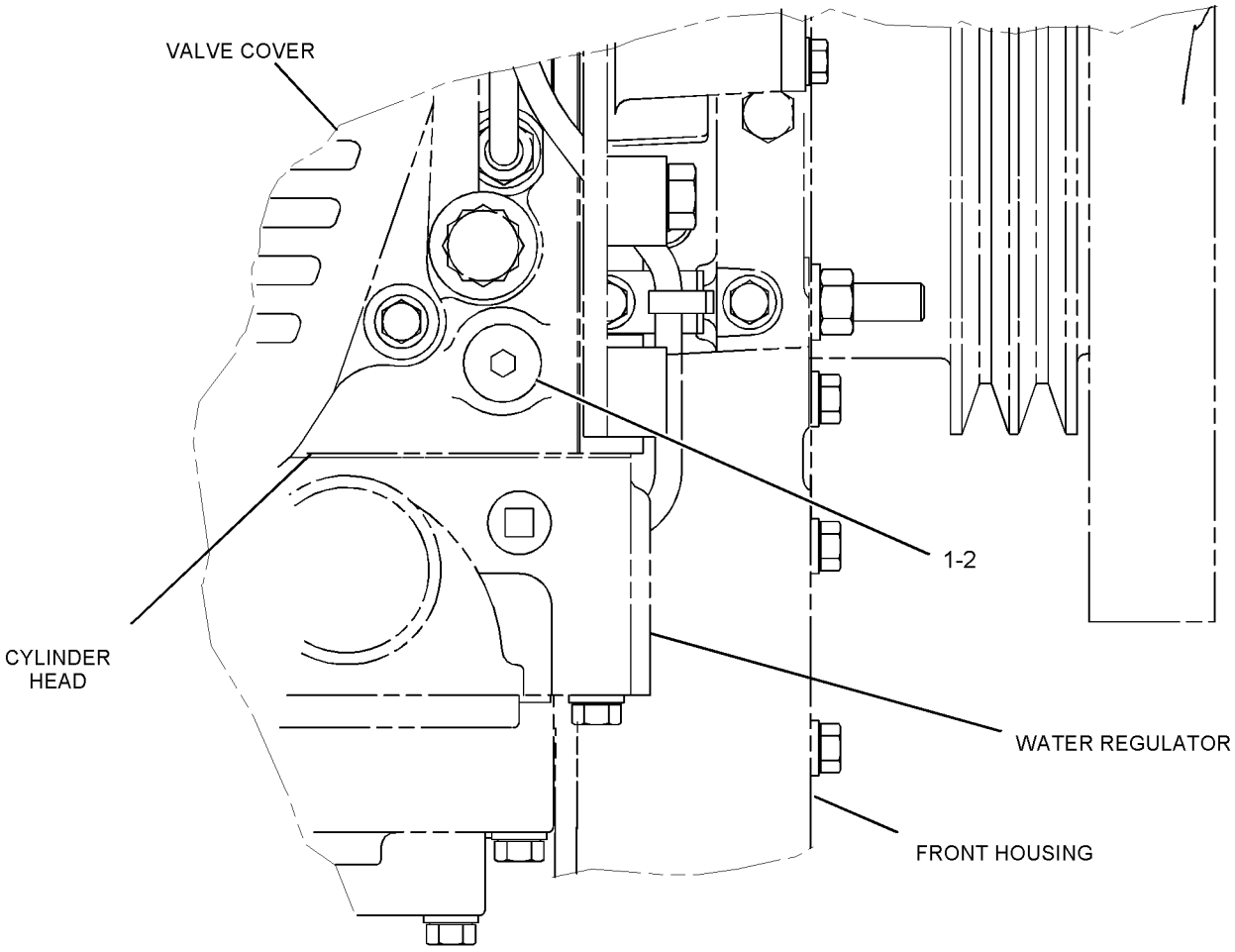
234-9776 PLUG GP-ENGINE

STRAIGHT THREAD O-RING PORTS

AN ATTACHMENT

SMCS-1100 **i02006055**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9S-8005**	1	PLUG-O RING	
	2	1	**6V-6609**	1	SEAL-O-RING	



TOP VIEW

GRAPHIC #1

<END>

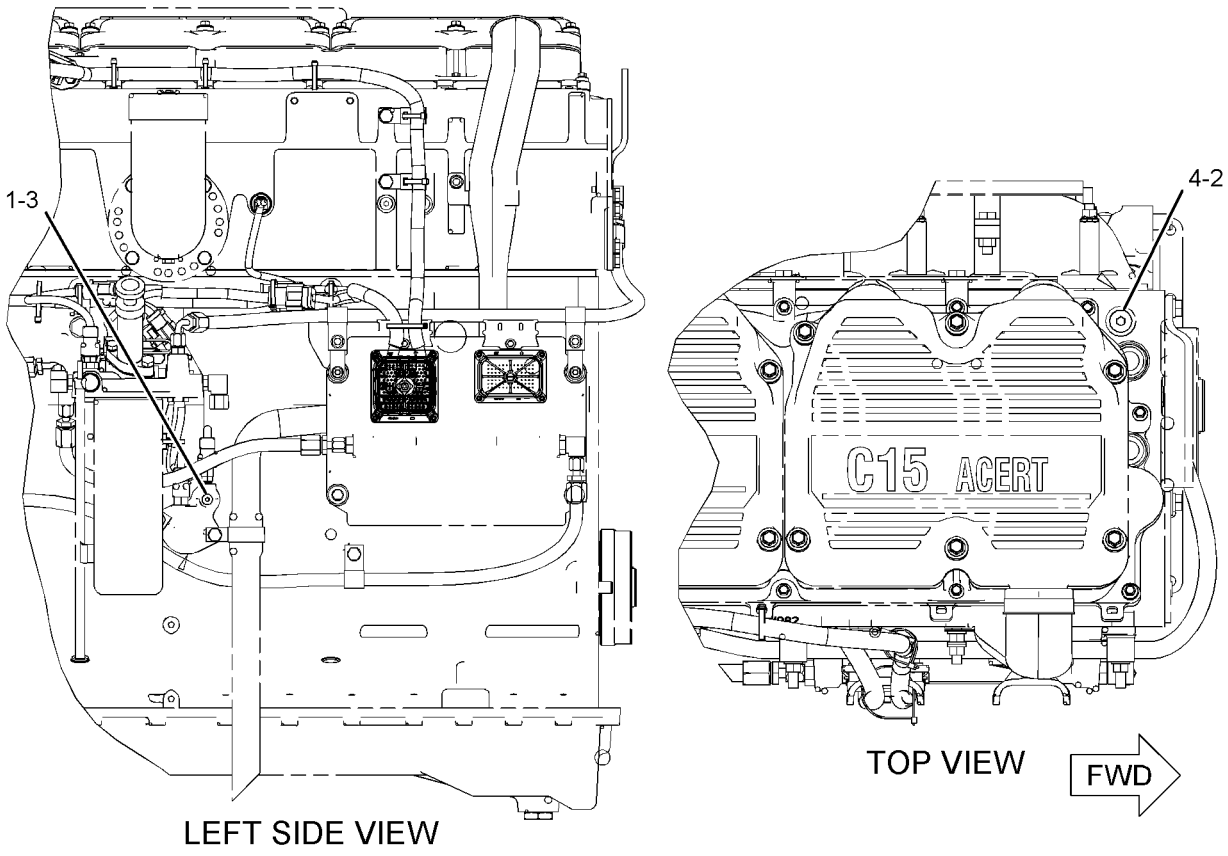
g01037853

257-7273 PLUG GP-ENGINE

FOR USE WITH SINGLE REAR POWER TAKE-OFF
AN ATTACHMENT

SMCS-1100 **i02209840**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-5048**	1	SEAL-O-RING	
	2	1	**6V-6609**	1	SEAL-O-RING	
	3	1	**9S-8002**	1	PLUG-O-RING	
	4	1	**9S-8005**	1	PLUG-O-RING	



GRAPHIC #1 **<END>** g01116103

279-9540 PLUG GP-ENGINE

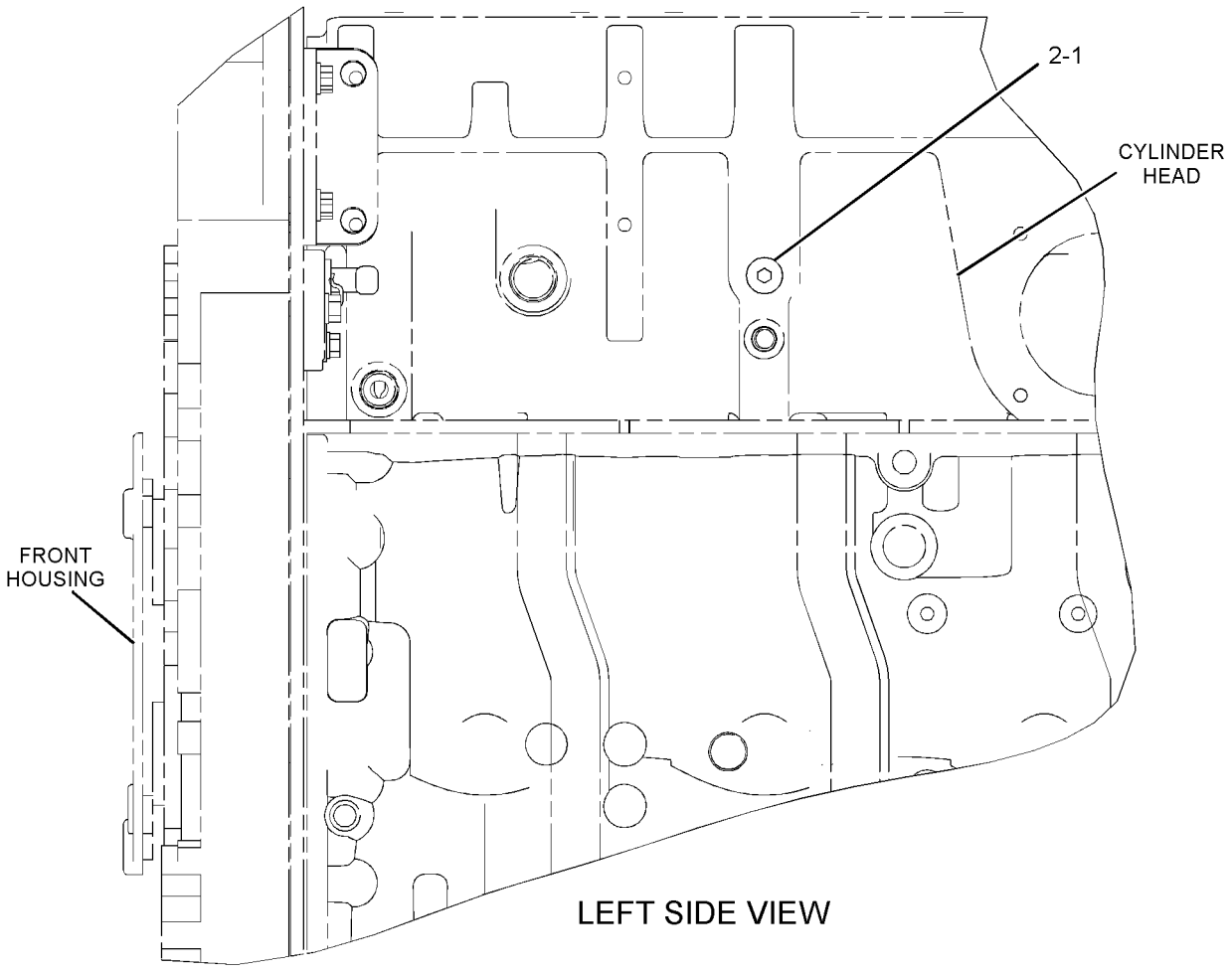
TIER III

CANNOT BE USED WITH LINES GP AIR COMPRESSOR

AN ATTACHMENT

SMCS-1100 **i02415845**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-2786**	1	SEAL-O-RING	
	2	1	**9S-8005**	1	PLUG-O RING	



LEFT SIDE VIEW

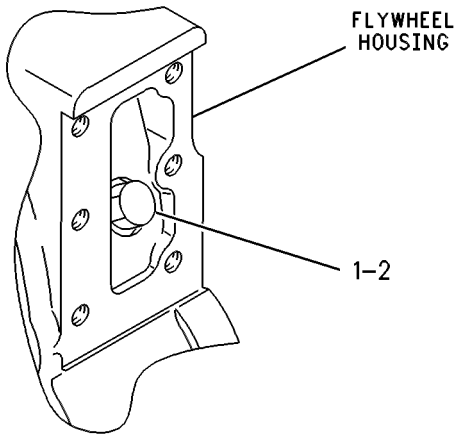
GRAPHIC #1 **<END>** g01208656

135-8015 PLUG GP-FLYWHEEL HOUSING

FOR USE WITH 130-4680—PAGE 249, 135-7634—PAGE 250
AN ATTACHMENT

SMCS-1157 **i01912490**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5F-0304**	1	PLUG (FLYWHEEL HOUSING)	
	2	1	**2A-1162**	1	GASKET	



VIEWED FROM UPPER RIGHT REAR OF ENGINE

GRAPHIC #1 **<END>** g00269049

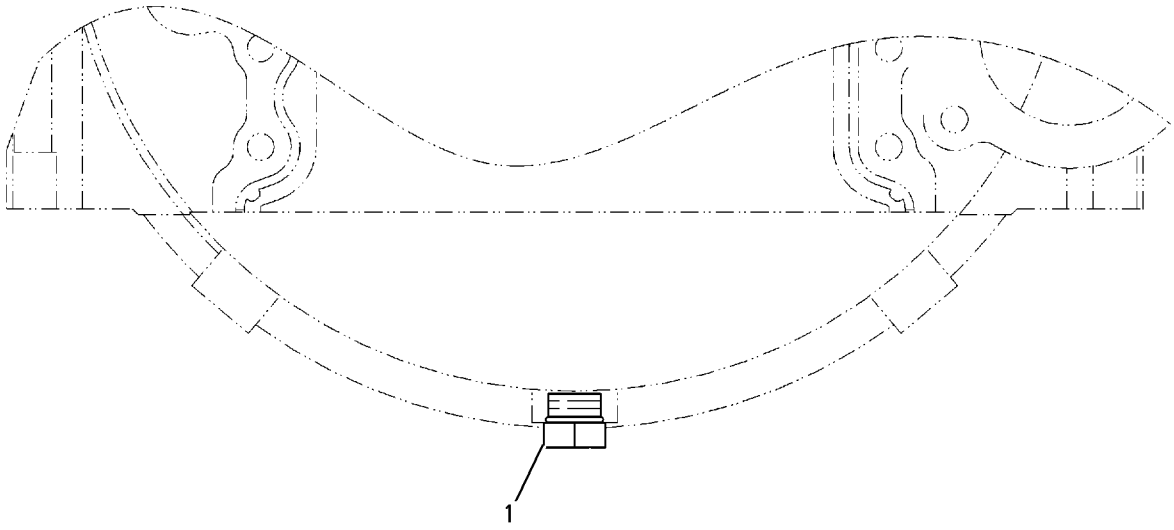
BASIC ENGINE

220-1204 PLUG GP-FLYWHEEL HOUSING

CANNOT BE USED WITH BRAKESAVER
AN ATTACHMENT

SMCS-1157 **i01879138**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*148-8408*	1	PLUG AS	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**9S-4183**	1	PLUG-O-RING	



FRONT VIEW

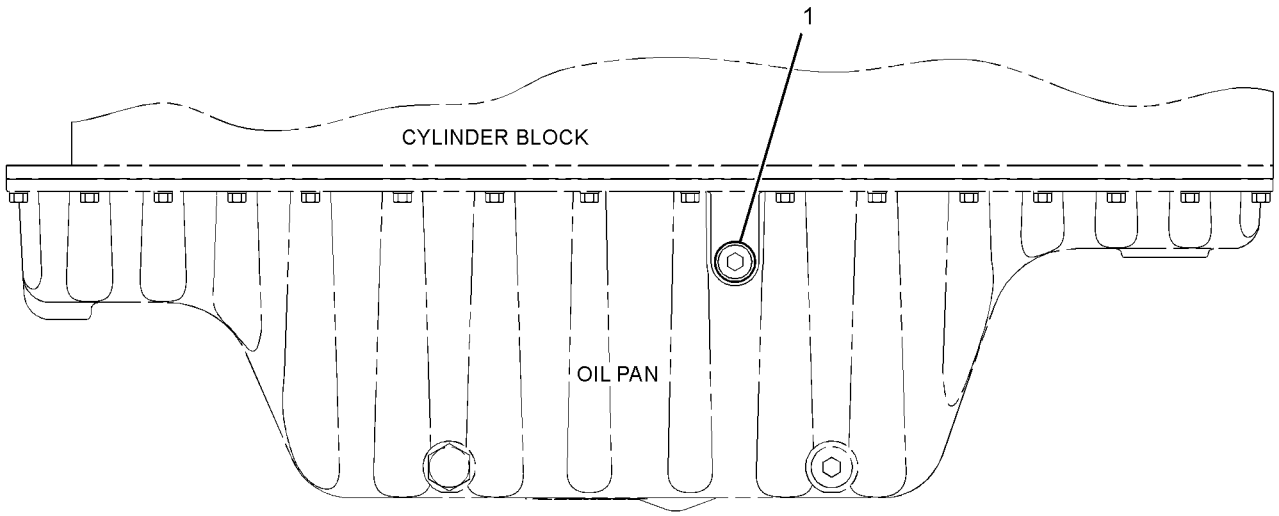
GRAPHIC #1 **<END>** g00956600

296-6478 PLUG GP-OIL PAN–ENGINE

FOR USE WITH DEEP SUMP. CANNOT BE USED WITH OIL LEVEL SENSOR AN ATTACHMENT

SMCS-1302 **i02640424**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*148-8409*	1	PLUG AS	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**9S-8008**	1	PLUG-O-RING	



LEFT SIDE VIEW OF ENGINE

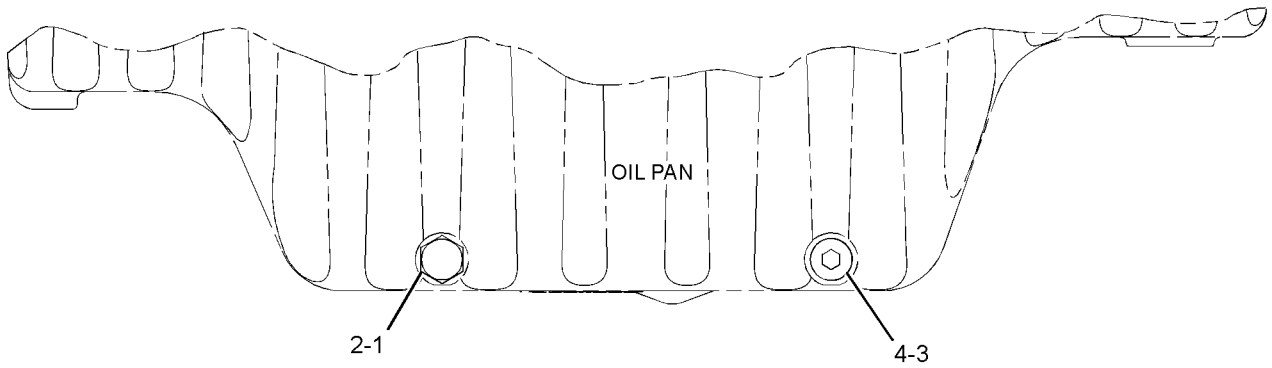
GRAPHIC #1 **<END>** g01327026

296-6479 PLUG GP-OIL PAN—ENGINE

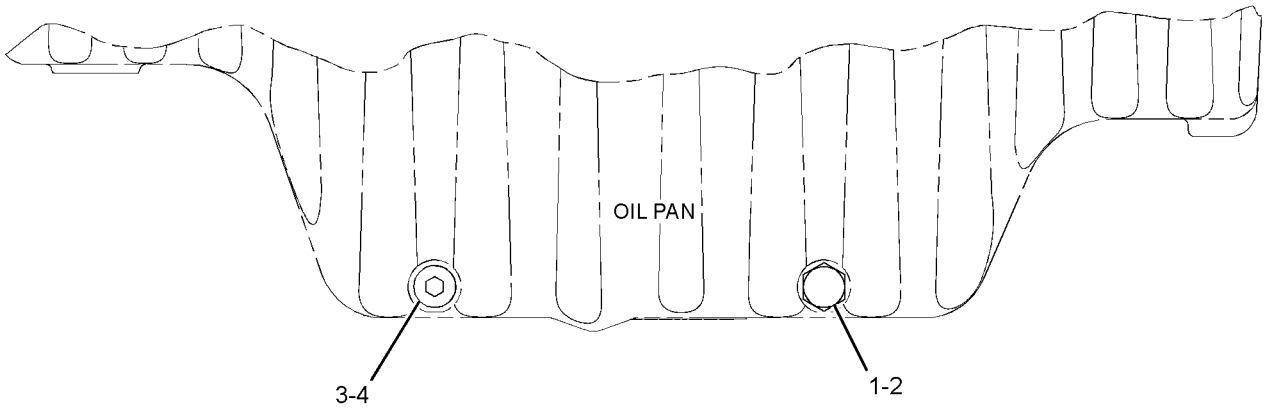
FOR USE WITH DEEP SUMP
AN ATTACHMENT

SMCS-1302 **i02786215**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-6451**	2	PLUG-DRAIN (ENGINE OIL PAN)	
	2	1	**061-9458**	2	SEAL-O-RING	
	3	1	**5P-7701**	2	SEAL-O-RING	
	4	1	**9S-9334**	2	PLUG-O-RING	



LEFT SIDE VIEW OF ENGINE



RIGHT SIDE VIEW OF ENGINE

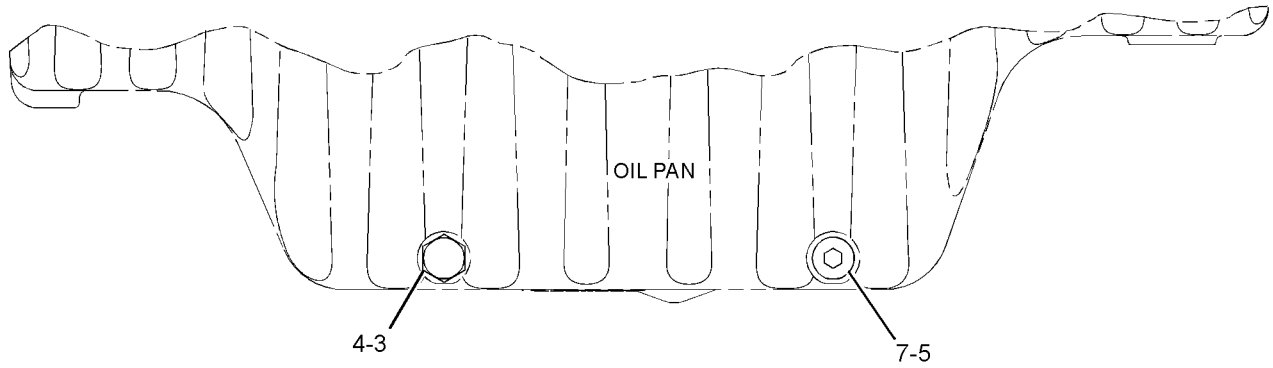
GRAPHIC #1 **<END>** g01327017

296-6480 PLUG GP-OIL PAN–ENGINE

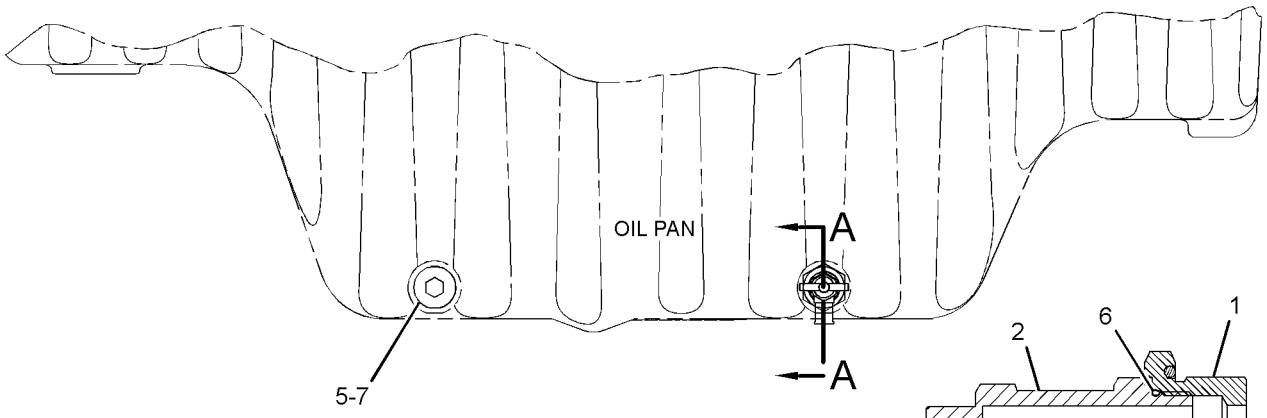
AN ATTACHMENT

SMCS-1302 **i02785674**

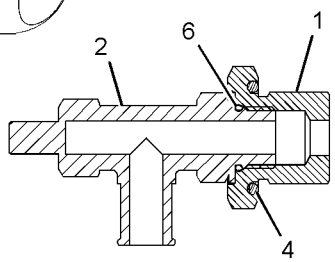
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3E-7427**	1	ADAPTER	
	2	1	**6V-7238**	1	VALVE-SHUTOFF (ENGINE OIL PAN DRAIN)	
	3	1	**9X-6451**	1	PLUG-DRAIN (ENGINE OIL PAN)	
	4	1	**061-9458**	2	SEAL-O-RING	
	5	1	**5P-7701**	2	SEAL-O-RING	
	6	1	**8L-2786**	1	SEAL-O-RING	
	7	1	**9S-9334**	2	PLUG-O-RING	



LEFT SIDE VIEW OF ENGINE



RIGHT SIDE VIEW OF ENGINE



SECTION A-A

GRAPHIC #1 **<END>** g01327003

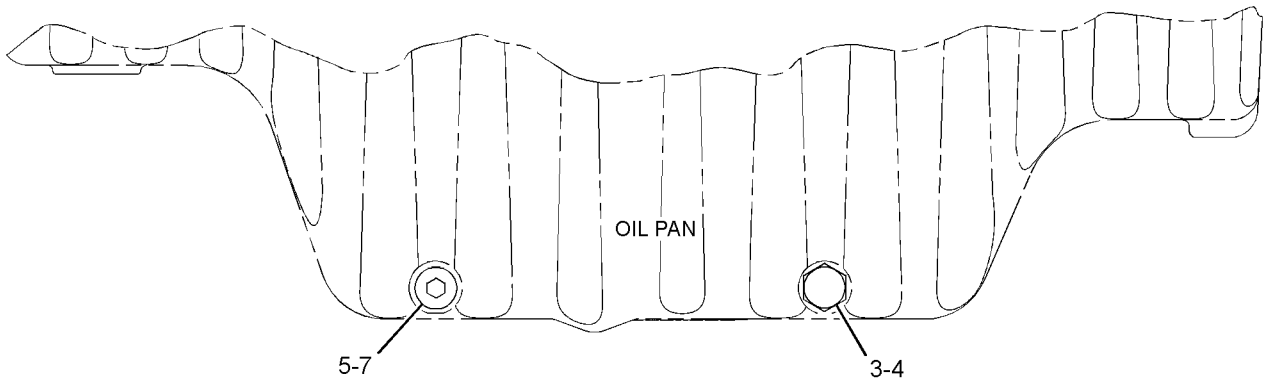
296-6481 PLUG GP-OIL PAN–ENGINE

FRONT DRAIN, LH

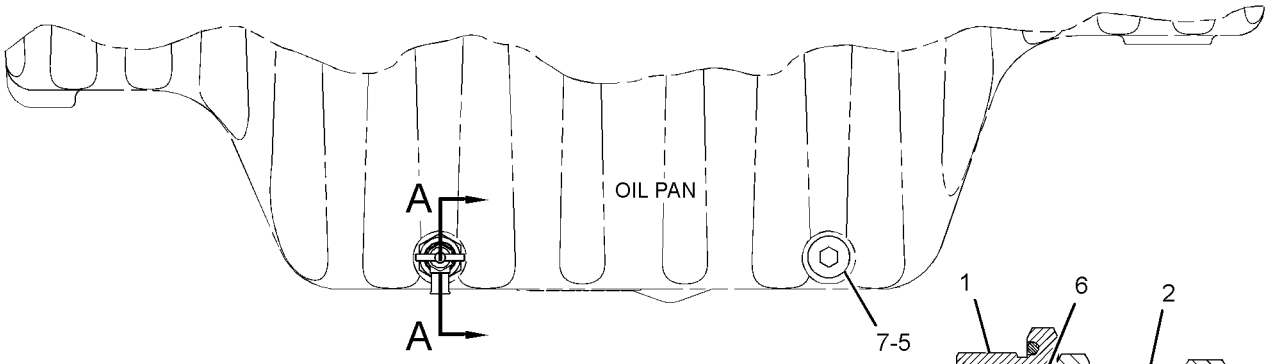
AN ATTACHMENT

SMCS-1302 **i02786218**

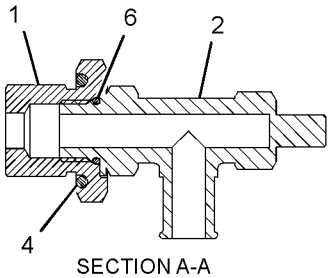
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3E-7427**	1	ADAPTER	
	2	1	**6V-7238**	1	VALVE-SHUTOFF (ENGINE OIL PAN DRAIN)	
	3	1	**9X-6451**	1	PLUG-DRAIN (ENGINE OIL PAN)	
	4	1	**061-9458**	2	SEAL-O-RING	
	5	1	**5P-7701**	2	SEAL-O-RING	
	6	1	**8L-2786**	1	SEAL-O-RING	
	7	1	**9S-9334**	2	PLUG-O-RING	



RIGHT SIDE VIEW OF ENGINE



LEFT SIDE VIEW OF ENGINE



SECTION A-A

GRAPHIC #1 **<END>** g01327014

2W-4909 POWER TAKE-OFF GP

CLUTCH

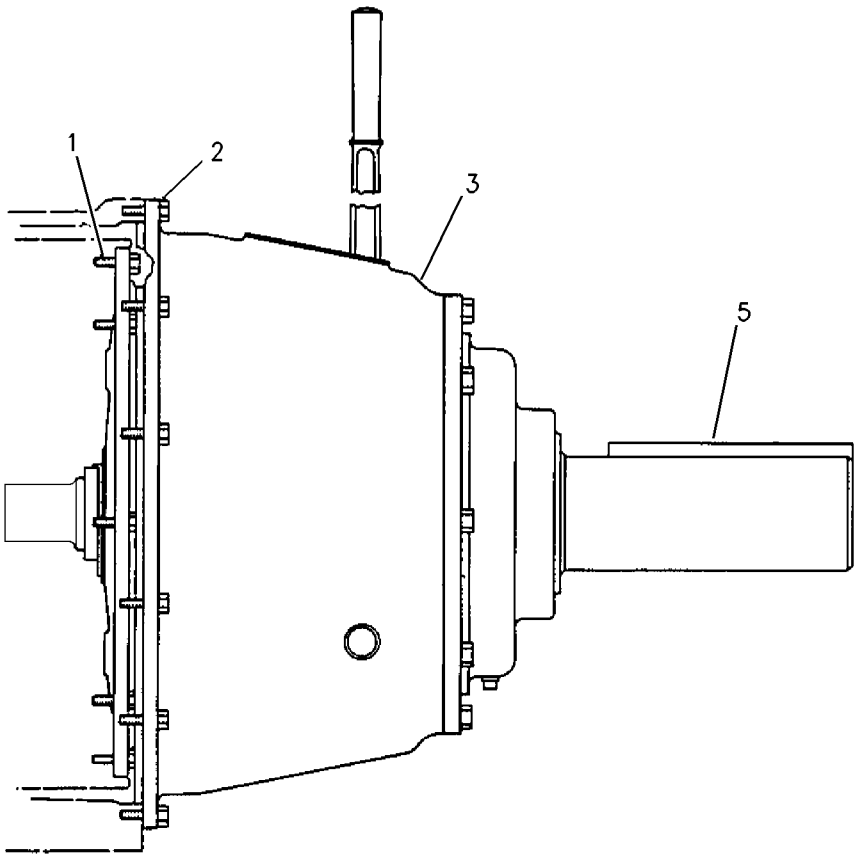
CANNOT BE USED WITH REAR STUB SHAFT

AN ATTACHMENT

SMCS-1165 **i01664486**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7B-3235**	8	BOLT (1/2-13X1.375 IN)	
	2	1	**3H-5368**	12	BOLT (7/16-14X1.375IN)	
Y	3	1	**2W-4908**	1	CLUTCH GP	71
	5	1	**2F-7771**	1	KEY-SQUARE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00863546

BASIC ENGINE

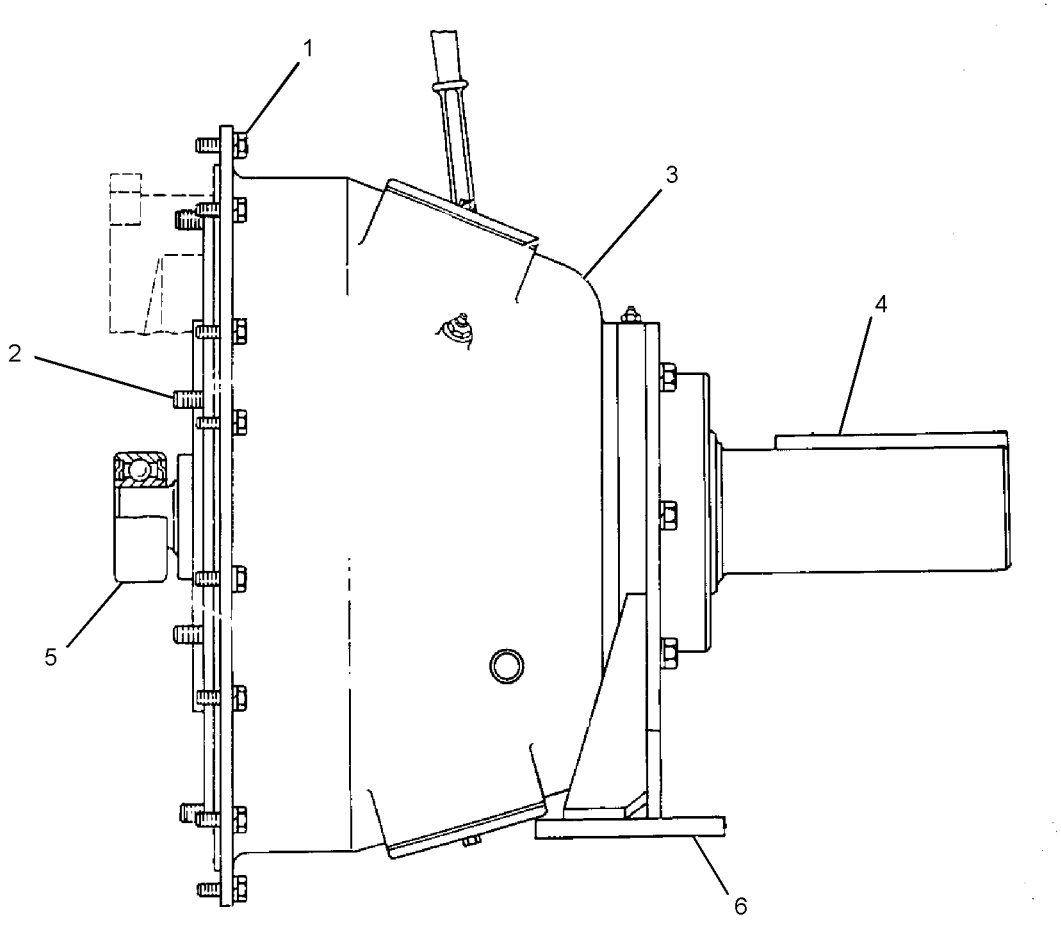
2W-4913 POWER TAKE-OFF GP

CLUTCH, INTERMEDIATE DUTY INCLUDES REAR SUPPORT FOR INLINE OR SIDE LOADS, REQUIRES SAE NO. 0 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1165 **i02756252**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6H-1717**	16	BOLT (1/2-13X1.125-IN)	
	2	1	**7B-1115**	6	BOLT (5/8-11X1.625-IN)	
Y	3	1	**2W-4912**	1	CLUTCH GP	74
	4	1	**2F-7771**	1	KEY-SQUARE	
	5	1	**5P-3499**	1	BALL BEARING	
	6	1	**7L-7856**	1	SUPPORT AS-CLUTCH	
BF			**5N-1693**	6	SHIM (0.5-MM THK)	
BF			**5N-1694**	10	SHIM (0.8-MM THK)	

B-USE AS REQUIRED
F-NOT SHOWN
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01380259

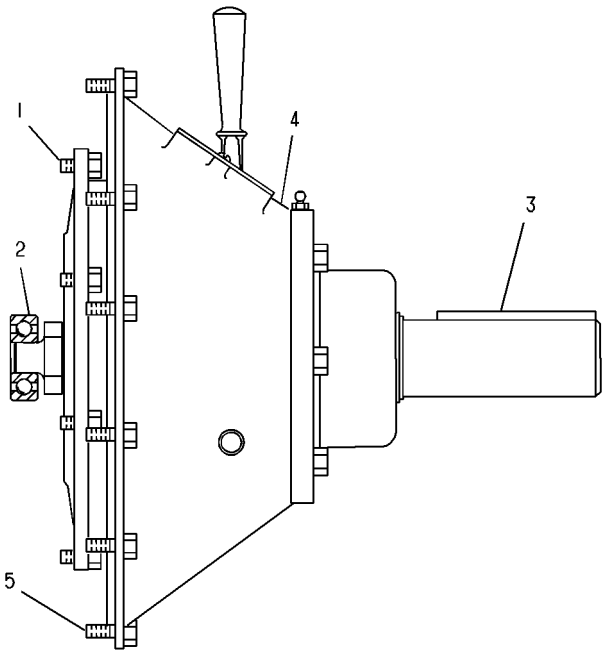
5N-3335 POWER TAKE-OFF GP

CLUTCH
CANNOT BE USED WITH REAR STUB SHAFT
AN ATTACHMENT

SMCS-1165 **i00640759**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7B-3235**	8	BOLT (1/2-13X1.375IN)	
	2	1	**5P-3499**	1	BALL BEARING	
	3	1	**2F-7771**	1	KEY-SQUARE	
Y	4	1	**5N-3334**	1	CLUTCH GP	76
	5	1	**3H-5368**	12	BOLT (7/16-14X1.375IN)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00156937

BASIC ENGINE

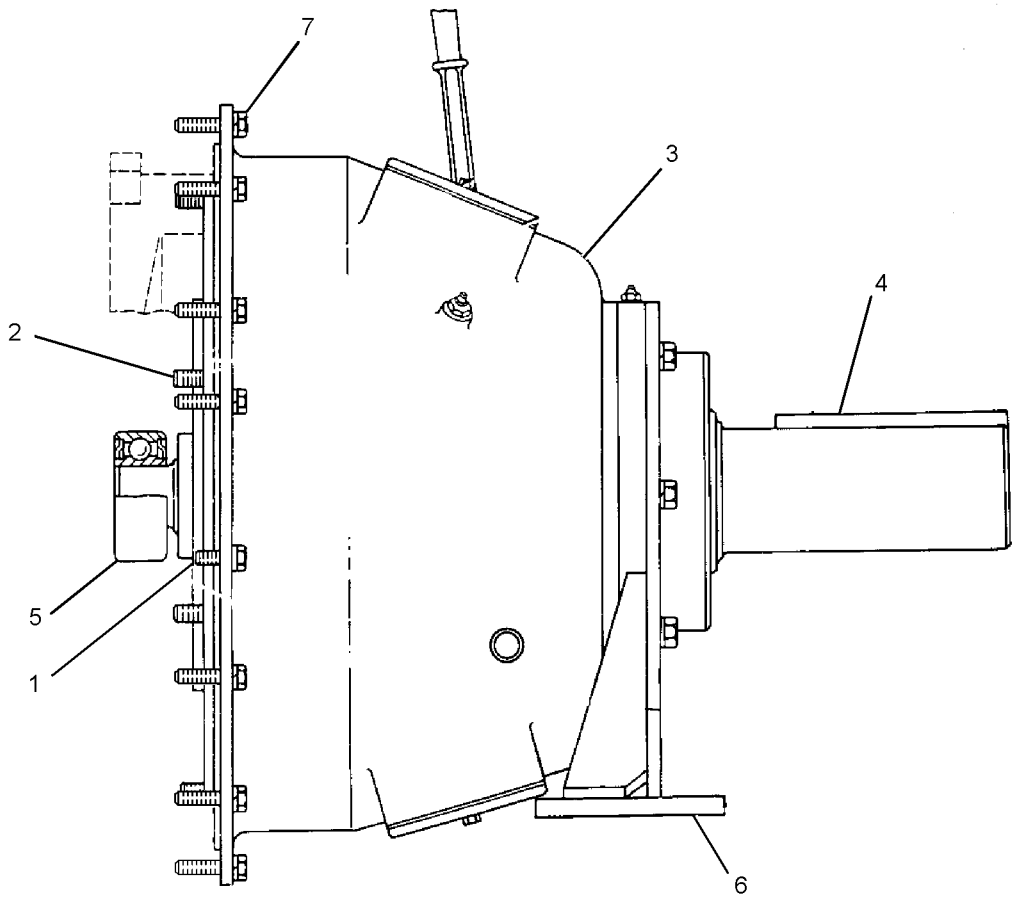
291-5541 POWER TAKE-OFF GP–REAR

AN ATTACHMENT

SMCS-1165 **i02990893**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6H-1717**	2	BOLT (1/2-13X1.125-IN)	
	2	1	**7B-1115**	6	BOLT (5/8-11X1.625-IN)	
Y	3	1	**2W-4912**	1	CLUTCH GP	74
	4	1	**2F-7771**	1	KEY-SQUARE	
	5	1	**5P-3499**	1	BALL BEARING	
	6	1	**7L-7856**	1	SUPPORT AS-CLUTCH	
	7	1	**9X-8873**	14	BOLT (1/2-13X2.25-IN)	
BF		1	**5N-1693**	6	SHIM (0.5-MM THK)	
BF		1	**5N-1694**	10	SHIM (0.8-MM THK)	

B-USE AS REQUIRED
F-NOT SHOWN
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01515896

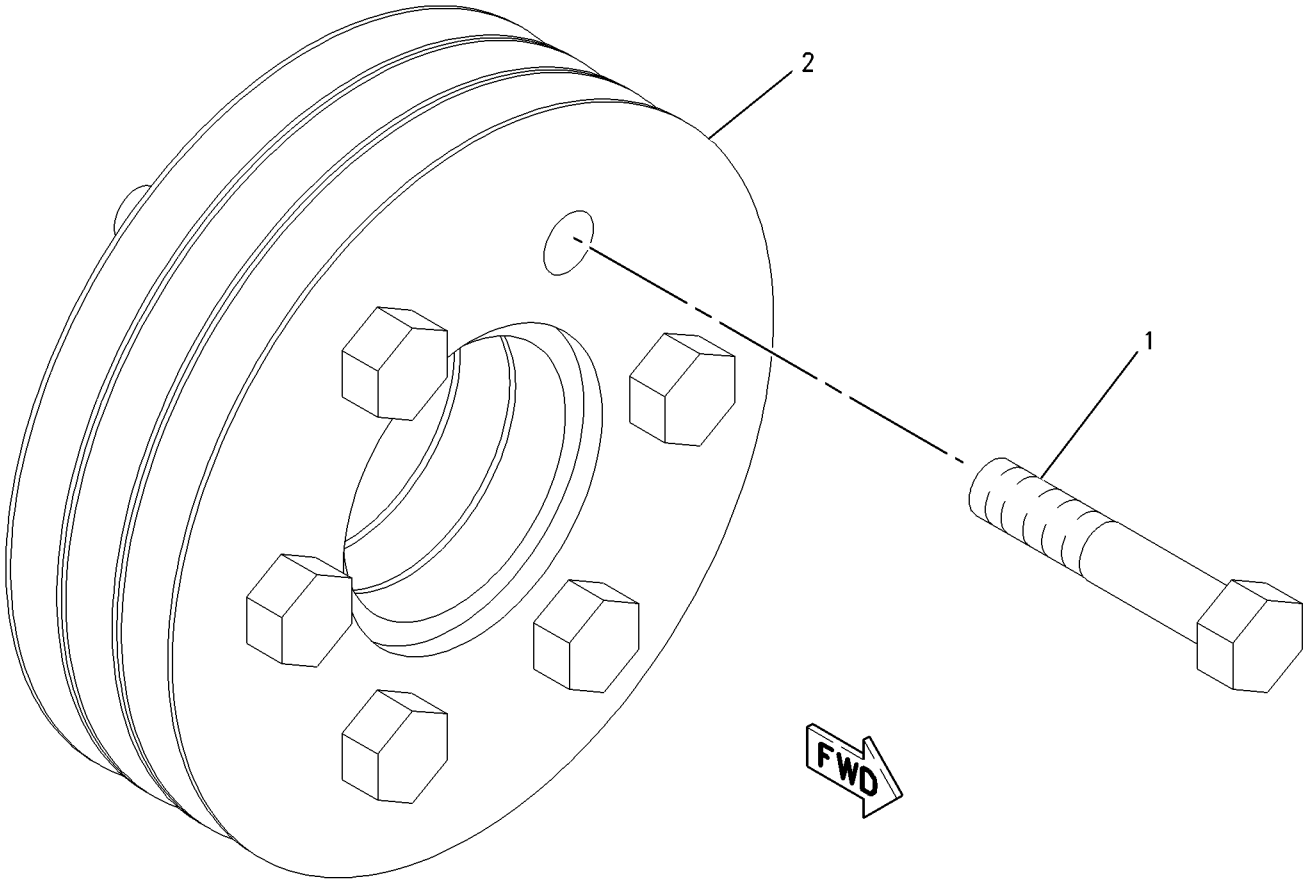
229-2671 PULLEY GP–FAN DRIVE

FOR USE WITH 0.800:1 FAN DRIVE

AN ATTACHMENT

SMCS-1205, 1359, 1384, 1425 **i03212349**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1D-4585**	6	BOLT (5/8-11X3.25-IN)	
	2	1	**6N-7380**	3	PULLEY (1-GROOVE) (FAN DRIVE)	



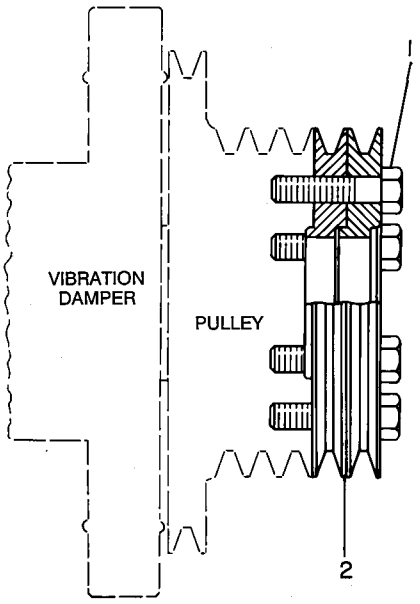
GRAPHIC #1 **<END>** g00984691

6N-7381 PULLEY GP-AUXILIARY DRIVE

8 INCH DIAMETER
FOR USE WITH 8N-6114—PAGE 372
AN ATTACHMENT

SMCS-1205, 1207 **i03212352**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1625**	6	BOLT (5/8-11X2.5-IN)	
	2	1	**6N-7380**	2	PULLEY (1-GROOVE)	



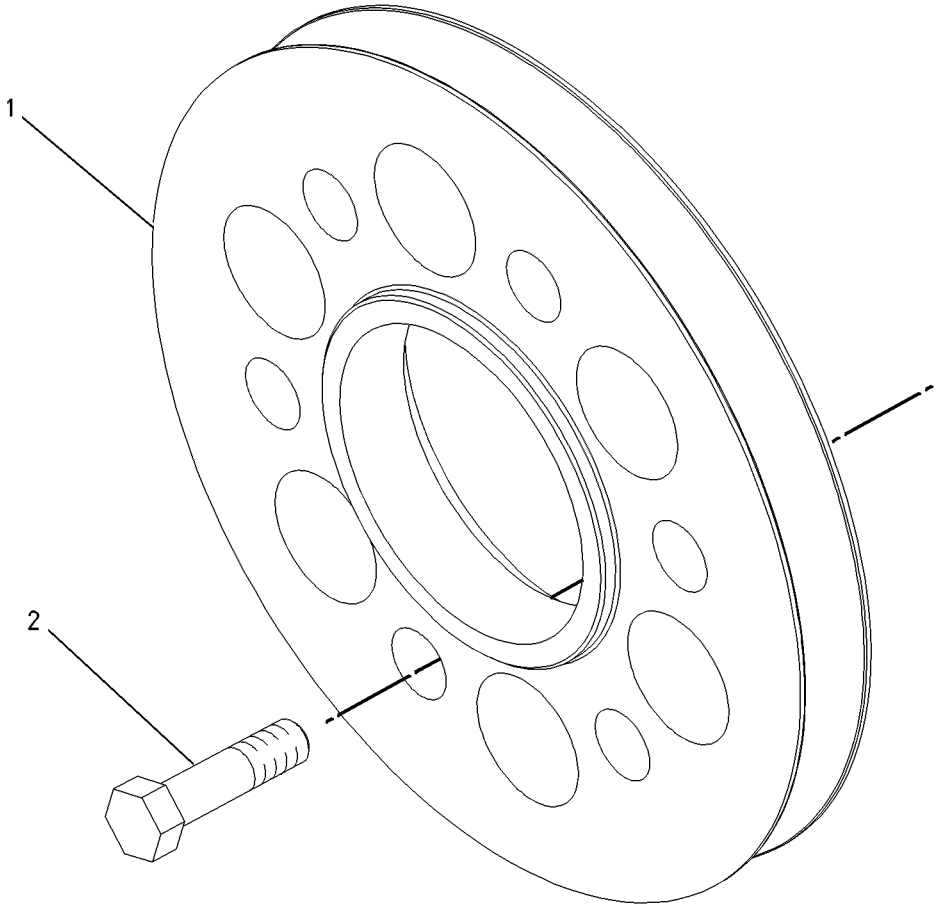
GRAPHIC #1 **<END>** g00135733

158-2770 PULLEY GP-AUXILIARY DRIVE

FOR USE WHEN A 4-GROOVE PULLEY IS USED ON THE FAN DRIVE
AN ATTACHMENT

SMCS-1205, 1207 **i03212350**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-7380**	1	PULLEY (1-GROOVE)	
	2	1	**0S-1589**	6	BOLT (5/8-11X1.75-IN)	



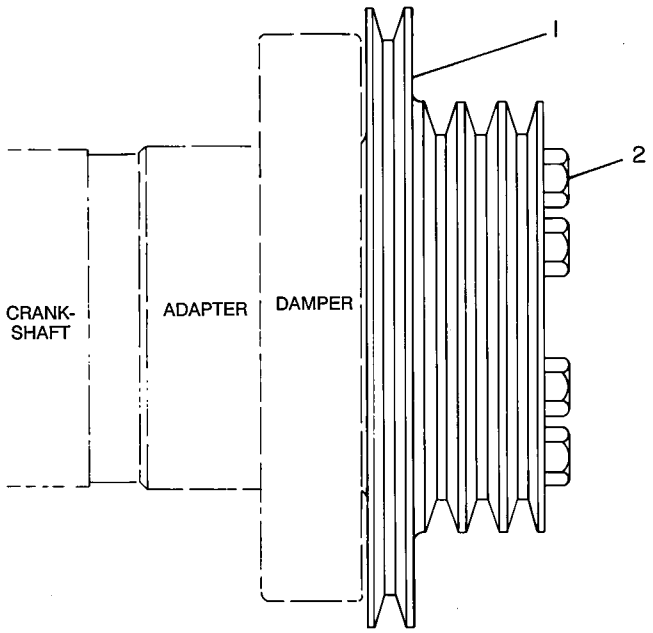
GRAPHIC #1 **<END>** g00437704

8N-6114 PULLEY GP-CRANKSHAFT

AN ATTACHMENT

SMCS-1205 **i00641314**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-7378**	1	PULLEY-CRANKSHAFT (4-GROOVE)	
	2	1	**6V-1873**	6	BOLT (5/8-18X8.5-IN)	



GRAPHIC #1 **<END>** g00137569

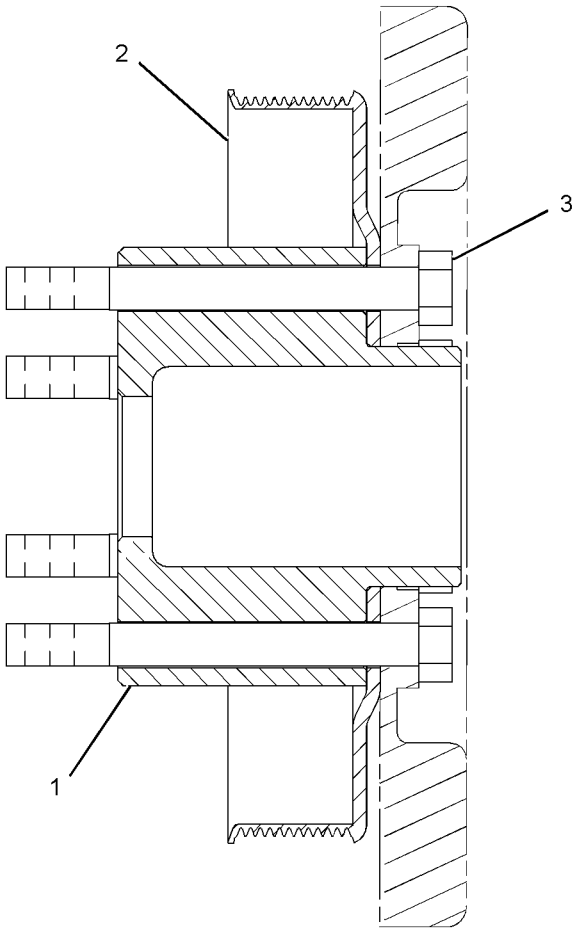
240-8658 PULLEY GP-CRANKSHAFT

PROVIDES A 275 MM DIAMETER 12 GROOVE POLY-RIB PULLEY AND MOUNTING BOLTS
FOR USE WITH 111-8317—PAGE 147, 240-8213—PAGE 65
AN ATTACHMENT

SMCS-1205 **i03212355**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**296-2745**	1	ADAPTER-DAMPER	
	2	1	**268-5705**	1	PULLEY (12-GROOVE) (CRANKSHAFT)	
	3	1	**2B-6030**	6	BOLT (5/8-18X6-IN)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01285918

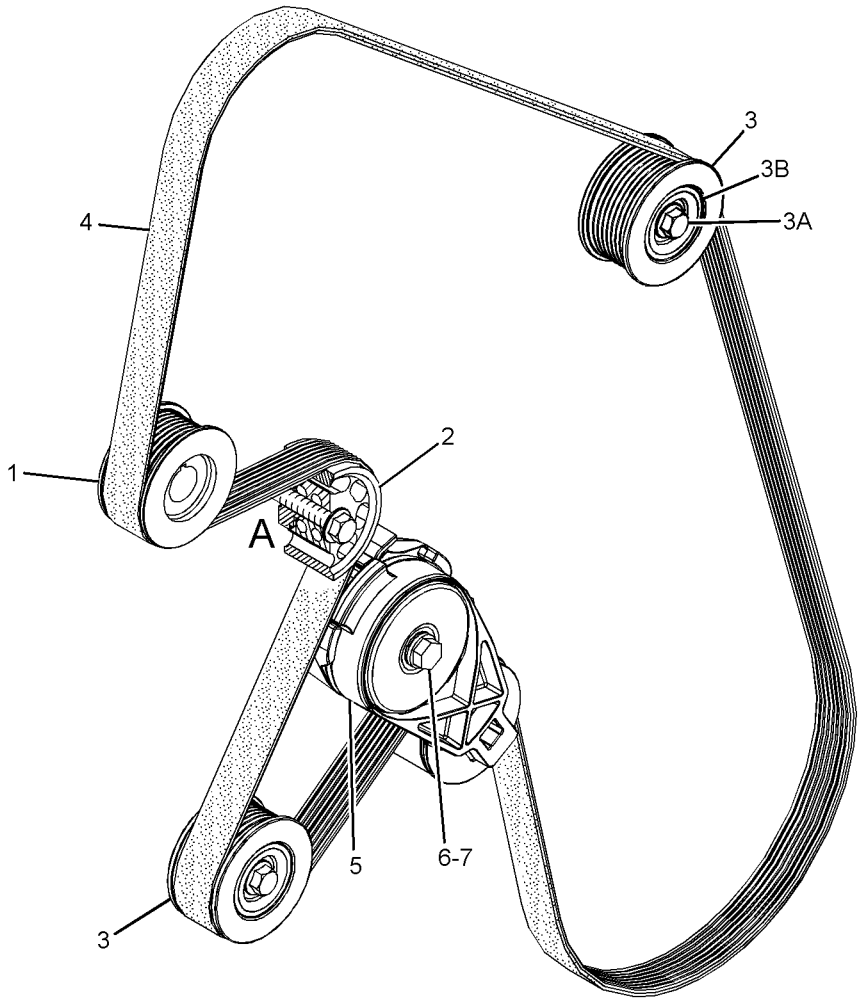
285-3493 PULLEY GP-ENGINE

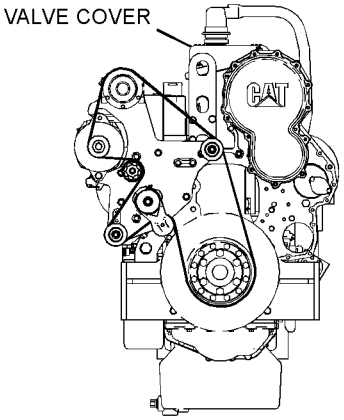
AN ATTACHMENT

SMCS-1205, 1207, 1359, 1384, 1425 **i02538314**

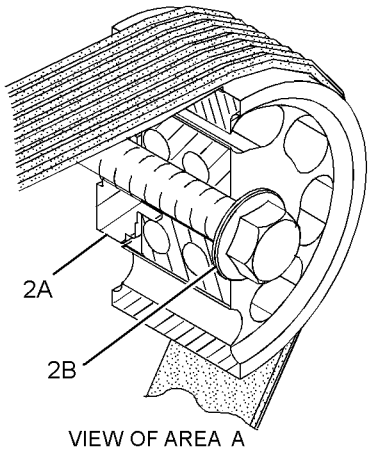
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**123-0791**	1	PULLEY (8-GROOVE)	
	2	1	**133-7023**	1	PULLEY AS-IDLER	
	2A	1	**151-2898**	1	SPACER (10.4X38.1X20-MM THK)	
M	2B	1	**151-2900**	1	BOLT (M10X1.5X54.25-MM)	
		1	**166-6358**	1	COVER-DUST	
	3	1	**173-1498**	2	PULLEY AS-IDLER (8-GROOVE)	
M	3A	1	**151-2900**	1	BOLT (M10X1.5X54.25-MM)	
	3B	1	**166-6358**	1	COVER-DUST	
	4	1	**197-4567**	1	BELT-SERPENTINE	
	5	1	**200-2279**	1	BELT TENSIONER	
	6	1	**8T-4121**	1	WASHER-HARD (11X21X2.5-MM THK)	
M	7	1	**8T-4172**	1	BOLT (M10X1.5X80-MM)	

M-METRIC PART





FRONT VIEW



VIEW OF AREA A

GRAPHIC #1

<END>

g01267124

BASIC ENGINE

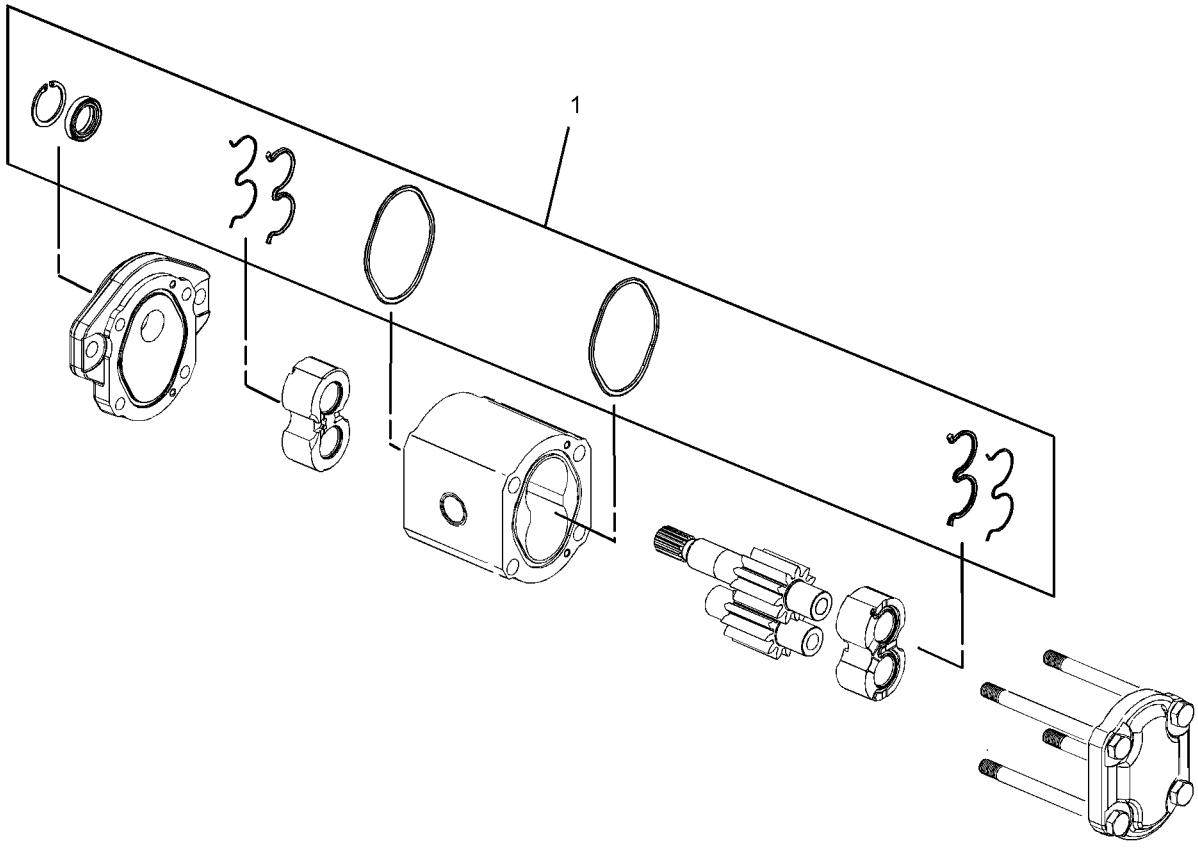
297-6788 PUMP GP-GEAR

PART OF 299-8969 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02924262**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**262-6145**	1	KIT-SEAL	
					(KIT INCLUDES 1 SHAFT SEAL, 1 RING-SNAP, 2 E-SEALS, 2 BACK-UP RINGS, & 2 SEAL O-RINGS)	



GRAPHIC #1 **<END>** g01453316

BASIC ENGINE

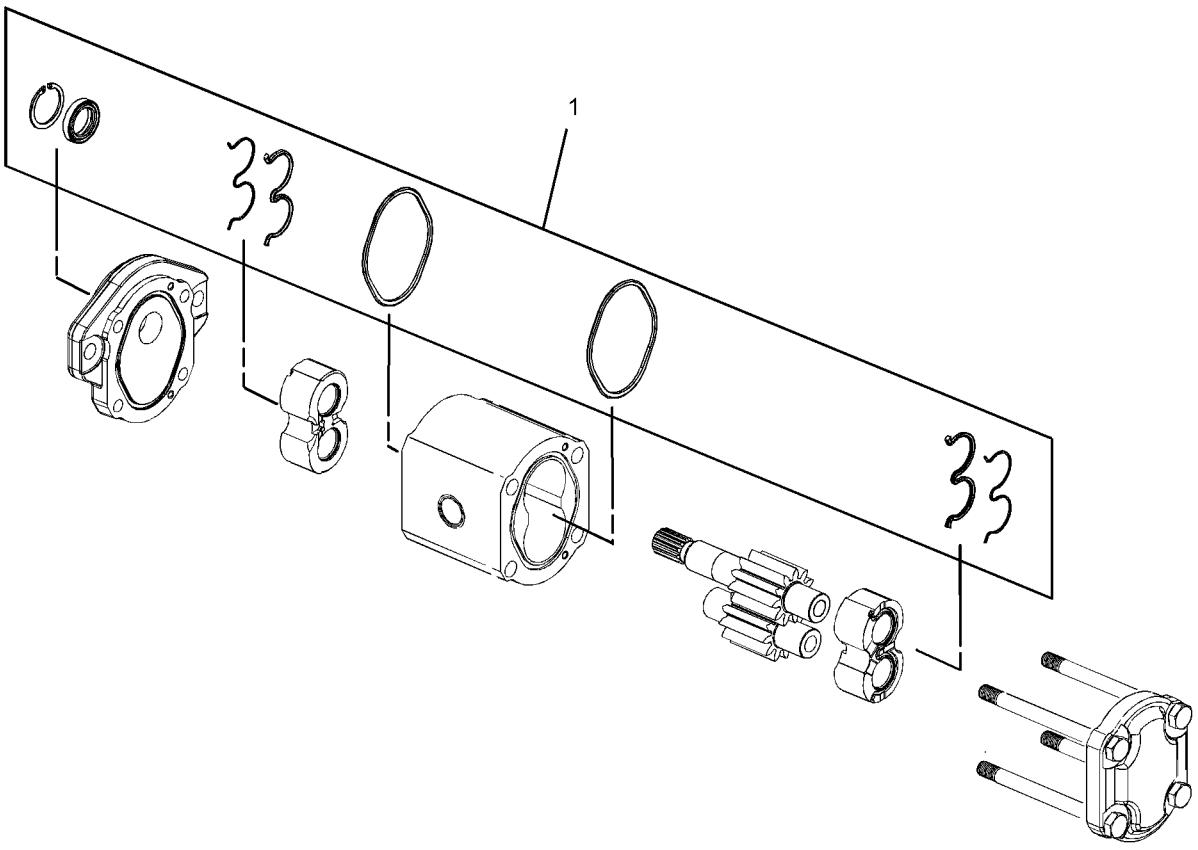
297-6789 PUMP GP-GEAR

PART OF 299-8970 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02928400**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**262-6145**	1	KIT-SEAL	
					(KIT INCLUDES 1 SHAFT SEAL, 1 RING-SNAP, 2 E-SEALS, 2 BACK-UP RINGS, & 2 SEAL O-RINGS)	



GRAPHIC #1 **<END>** g01453316

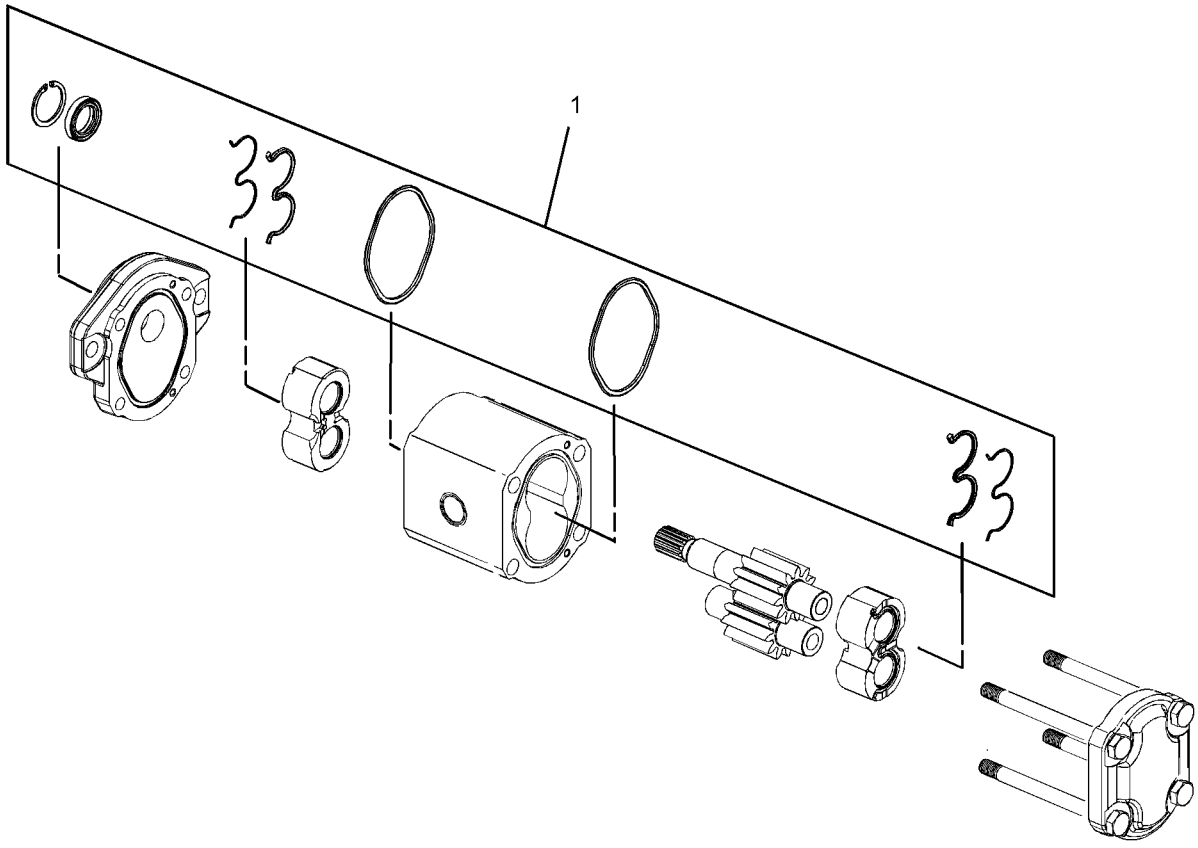
297-6792 PUMP GP-GEAR

PART OF 299-8971 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02928399**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**262-6145**	1	KIT-SEAL	
					(KIT INCLUDES 1 SHAFT SEAL, 1 RING-SNAP, 2 E-SEALS, 2 BACK-UP RINGS, & 2 SEAL O-RINGS)	



GRAPHIC #1 **<END>** g01453316

BASIC ENGINE

198-9898 ROCKER ARM GP

S/N: JRE106-1257

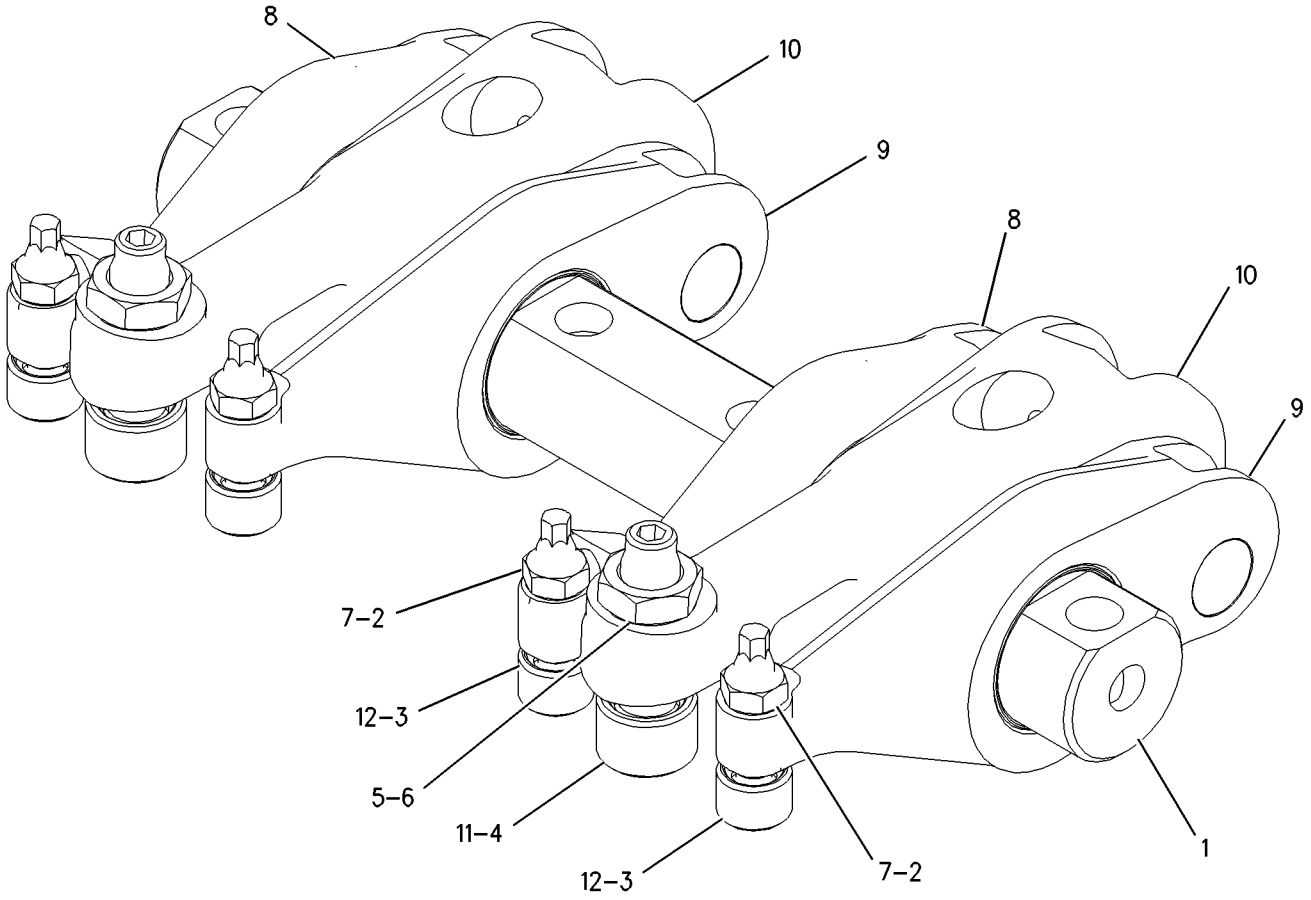
PART OF 148-7482 MECHANISM GP-FUEL PUMP & VALVE

SMCS-1123 **i03626648**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0901**	1	SHAFT AS-ROCKER ARM	
		1	**4B-9782**	2	BALL	
	2	1	**276-5317**	4	NUT (3/8-24-THD)	
	3	1	**258-8721**	4	BUTTON	
W	4	1	**192-4151**	2	BUTTON (24-MM OD)	
					—OR—	
J		1	**4P-7371**	2	INSERT (14.75-MM OD)	
W	5	1	**196-5069**	2	SCREW-ARM ADJUSTMENT (9/16-18X2-IN)	
					—OR—	
J		1	**4P-4278**	2	SCREW-UNIT INJ ADJUSTMENT	
W	6	1	**196-5070**	2	NUT-JAM (9/16-18-THD)	
					—OR—	
J		1	**4P-4279**	2	NUT-JAM (7/8-18-THD)	
	7	1	**232-0253**	4	SCREW-ARM ADJUSTMENT (3/8-24X1.20-IN)	
R	8	1	**203-8822**	2	ROCKER ARM AS (EXHAUST VALVE ROCKER)	
R	9	1	**203-8824**	2	ROCKER ARM AS (INLET VALVE ROCKER)	
WR	10	1	**207-5248**	2	ROCKER ARM AS (UNIT INJECTOR ROCKER)	
W	11	1	**061-8639**	2	SEAL-O-RING	
					—OR—	
J		1	**032-9313**	2	SEAL-O-RING	
	12	1	**8L-2777**	4	SEAL-O-RING	

J-PARTS MARKED J MUST BE USED TOGETHER ON OLDER ROCKER ARM ASSEMBLIES
R-REMFG PART MAY BE AVAILABLE
W-PARTS MARKED W MUST BE USED TOGETHER ON NEWER ROCKER ARM ASSEMBLIES

198-9898 **ROCKER ARM GP** *(contd.)* **i03626648**



GRAPHIC #1 **<END>** g00905507

BASIC ENGINE

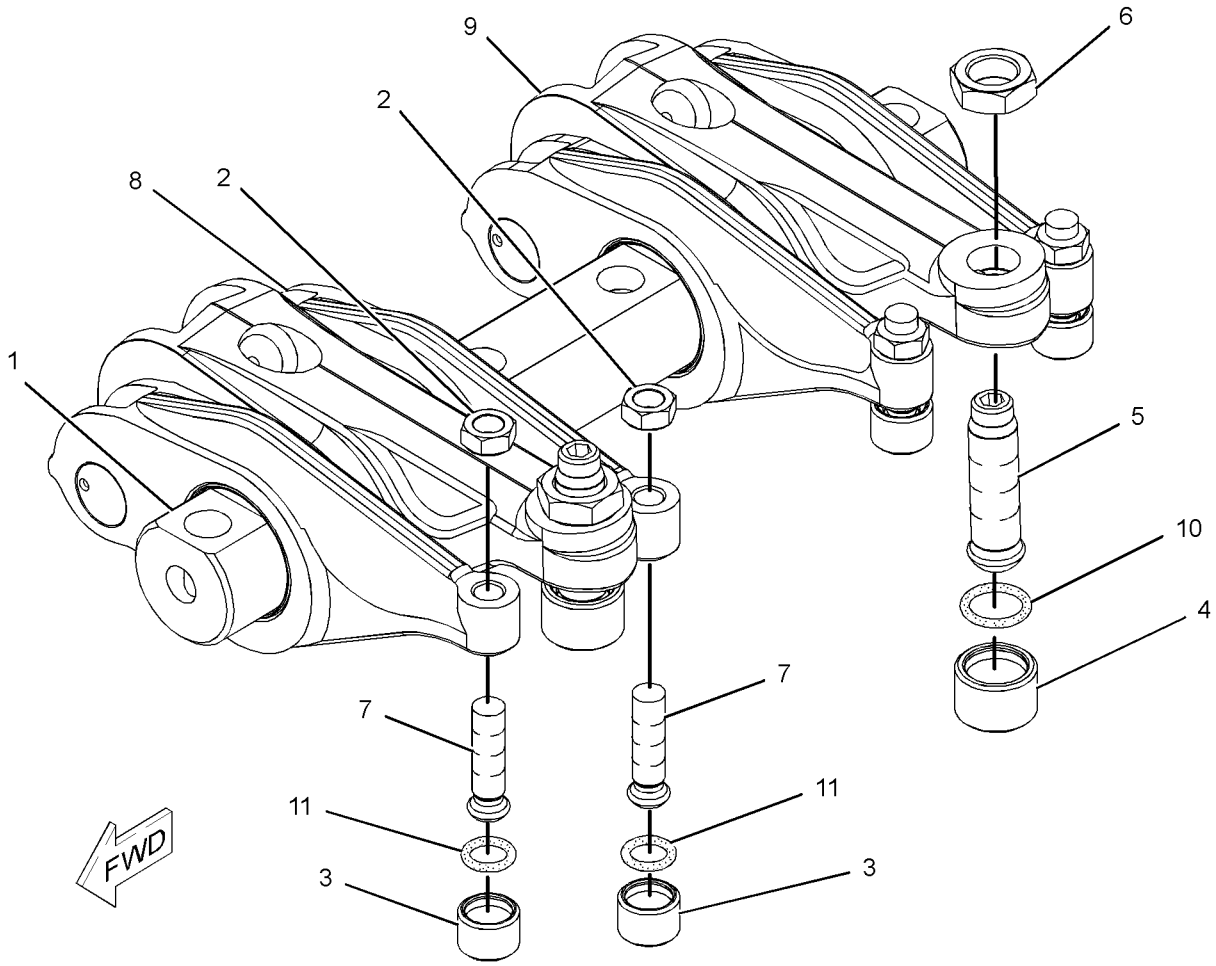
210-2521 ROCKER ARM GP

PART OF 190-0009 MECHANISM GP-FUEL PUMP & VALVE
AN ATTACHMENT

SMCS-1123 **i02426852**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0901**	1	SHAFT AS-ROCKER ARM	
		1	**4B-9782**	2	BALL	
	2	1	**276-5317**	4	NUT (3/8-24-THD)	
	3	1	**258-8721**	4	BUTTON	
	4	1	**192-4151**	2	BUTTON	
	5	1	**196-5069**	2	SCREW-ARM ADJUSTMENT (9/16-18X2-IN)	
	6	1	**196-5070**	2	NUT-JAM (9/16-18-THD)	
	7	1	**232-0253**	4	SCREW-ARM ADJUSTMENT (3/8-24X1.20-IN)	
R	8	1	**203-8824**	4	ROCKER ARM AS (INLET)	
R	9	1	**207-5248**	2	ROCKER ARM AS (EXHAUST)	
	10	1	**061-8639**	2	SEAL-O-RING	
	11	1	**8L-2777**	4	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01213031

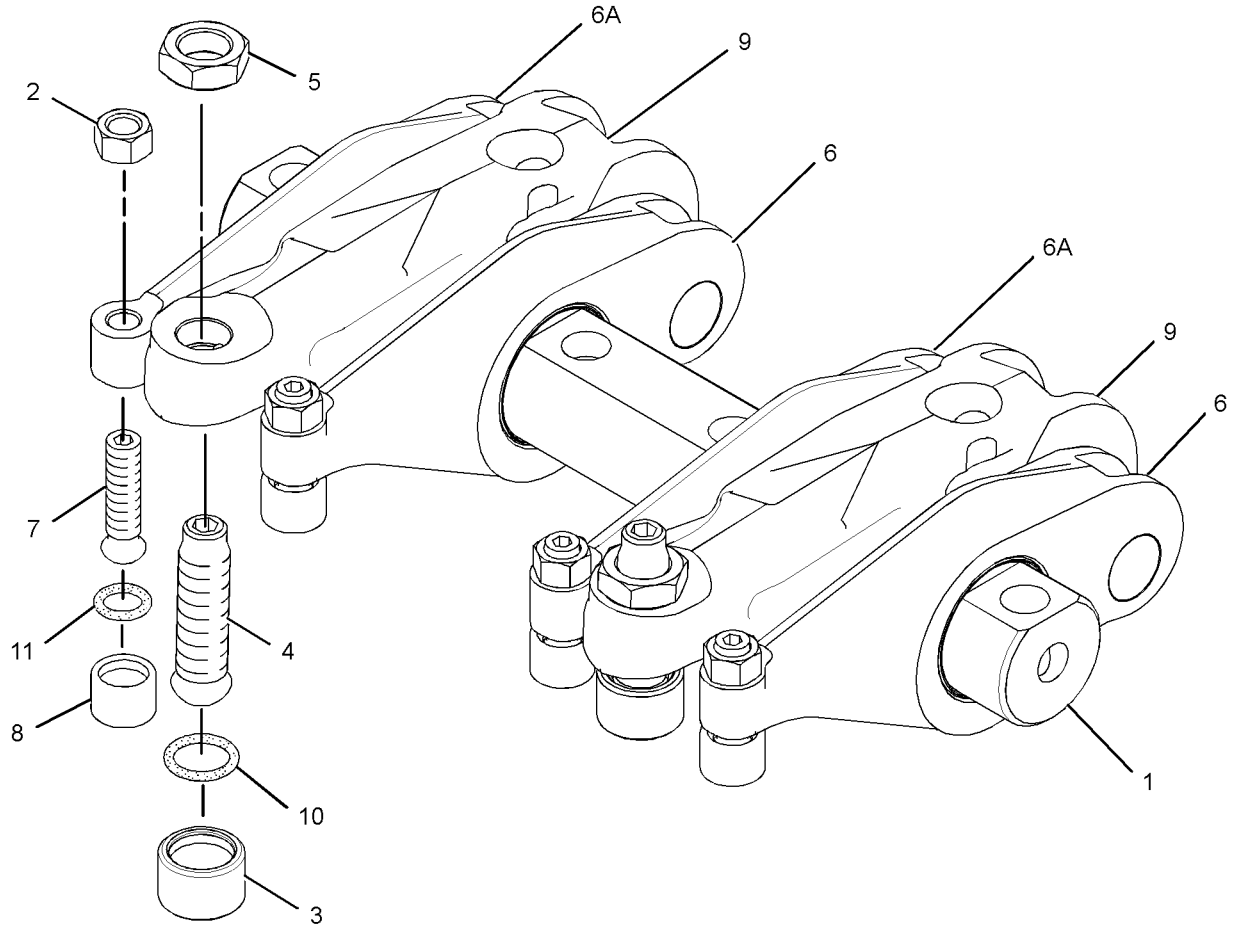
278-1929 ROCKER ARM GP

S/N: JRE1269-UP
PART OF 190-0009 MECHANISM GP-FUEL PUMP & VALVE
ALSO AN ATTACHMENT

SMCS-1123 **i03626649**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**307-8322**	1	SHAFT AS-ROCKER ARM	
		1	**4B-9782**	2	BALL	
	2	1	**276-5317**	4	NUT (3/8-24-THD)	
	3	1	**192-4151**	2	BUTTON (24-MM OD)	
	4	1	**196-5069**	2	SCREW-ARM ADJUSTMENT (9/16-18X2-IN)	
	5	1	**196-5070**	2	NUT-JAM (9/16-18-THD)	
R	6	1	**203-8824**	2	ROCKER ARM AS (INLET VALVE ROCKER)	
R	6A	1	**203-8824**	2	ROCKER ARM AS (EXHAUST VALVE ROCKER)	
	7	1	**274-4491**	4	SCREW-ARM ADJUSTMENT (3/8-24X1.20-IN)	
	8	1	**258-8721**	4	BUTTON	
R	9	1	**278-1365**	2	ROCKER ARM AS (UNIT INJECTOR ROCKER)	
	10	1	**061-8639**	2	SEAL-O-RING	
	11	1	**8L-2777**	4	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01915276

BASIC ENGINE

278-1931 ROCKER ARM GP

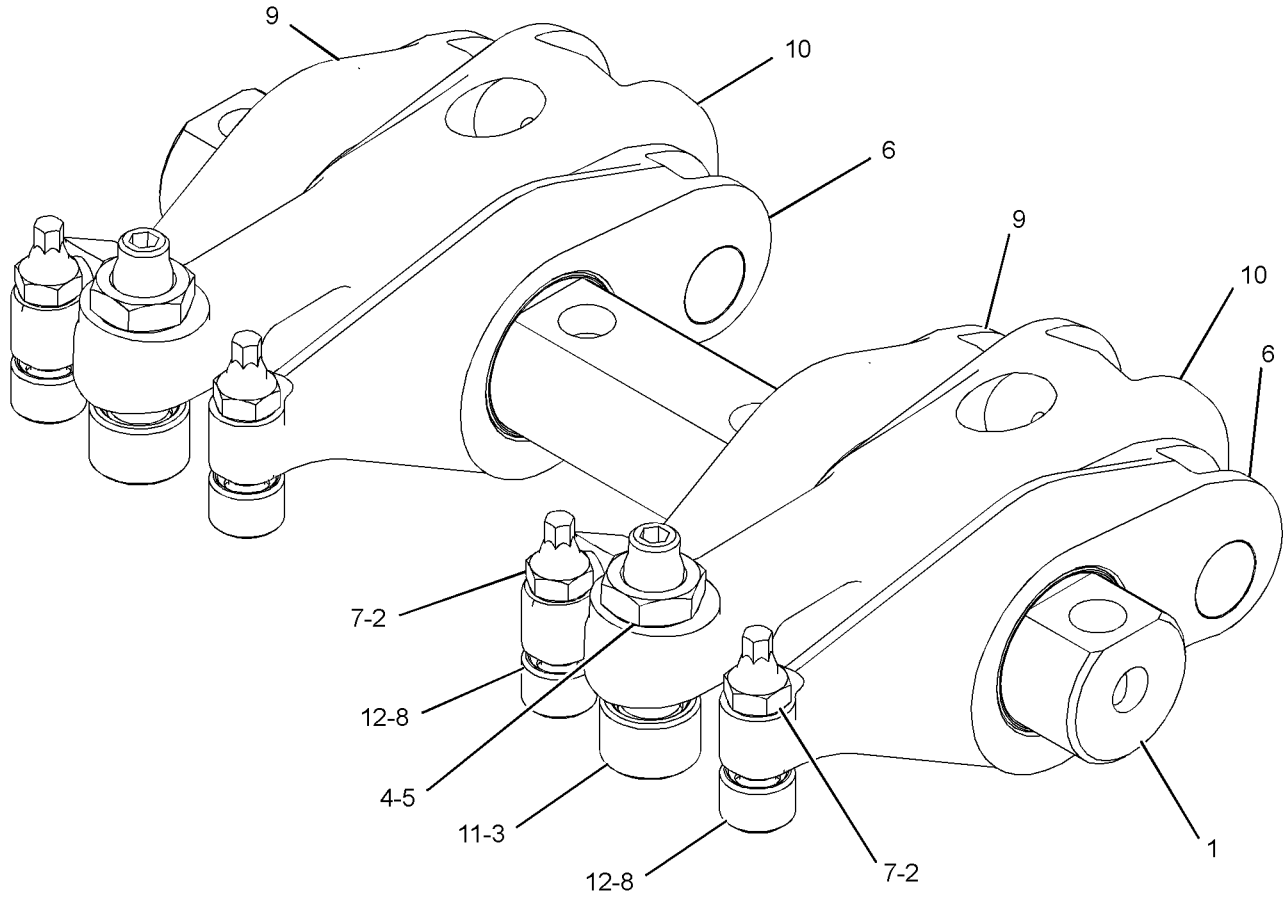
S/N: JRE1258-1269

PART OF 148-7482 MECHANISM GP-FUEL PUMP & VALVE

SMCS-1123 **i03212246**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**307-8322**	1	SHAFT AS-ROCKER ARM	
		1	**4B-9782**	2	BALL	
	2	1	**276-5317**	4	NUT (3/8-24-THD)	
	3	1	**192-4151**	2	BUTTON	
	4	1	**196-5069**	2	SCREW-ARM ADJUSTMENT (9/16-18X2-IN)	
	5	1	**196-5070**	2	NUT-JAM (9/16-18-THD)	
R	6	1	**203-8824**	2	ROCKER ARM AS (INLET VALVE ROCKER)	
	7	1	**274-4491**	4	SCREW-ARM ADJUSTMENT (3/8-24X1.20-IN)	
	8	1	**258-8721**	4	BUTTON	
R	9	1	**254-6081**	2	ROCKER ARM AS (EXHAUST VALVE ROCKER)	
R	10	1	**278-1365**	2	ROCKER ARM AS (UNIT INJECTOR ROCKER)	
	11	1	**061-8639**	2	SEAL-O-RING	
	12	1	**8L-2777**	4	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01234257

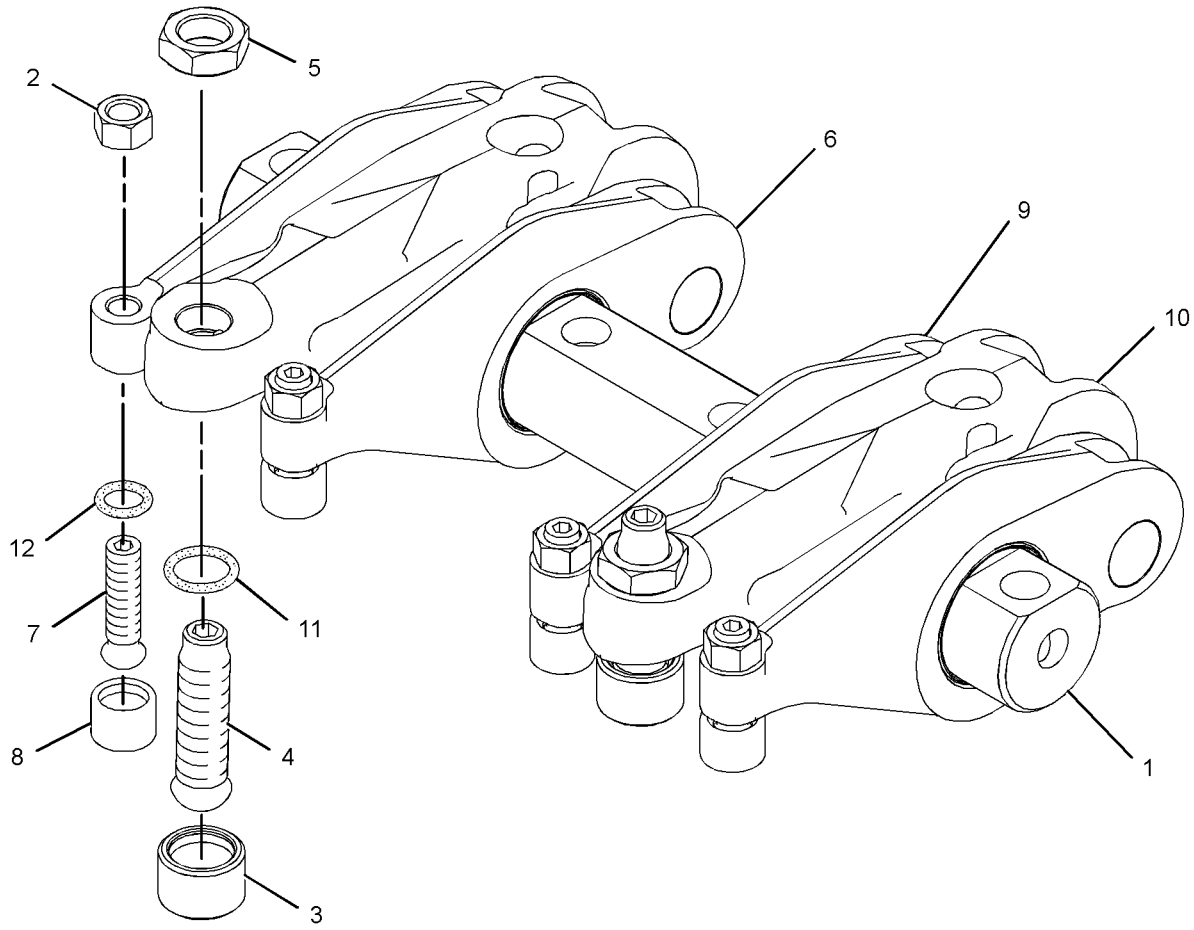
278-1938 ROCKER ARM GP

S/N: JRE2682-UP
PART OF 266-3699 MECHANISM GP-FUEL PUMP & VALVE
ALSO AN ATTACHMENT

SMCS-1123 **i03688468**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0901**	1	SHAFT AS-ROCKER ARM	
		1	**4B-9782**	2	BALL	
	2	1	**276-5317**	4	NUT (3/8-24-THD)	
	3	1	**192-4151**	2	BUTTON	
	4	1	**196-5069**	2	SCREW-ARM ADJUSTMENT (9/16-18X2-IN)	
	5	1	**196-5070**	2	NUT-JAM (9/16-18-THD)	
R	6	1	**203-8824**	2	ROCKER ARM AS	
	7	1	**274-4491**	4	SCREW-ARM ADJUSTMENT (3/8-24X1.20-IN)	
	8	1	**258-8721**	4	BUTTON	
R	9	1	**276-4132**	2	ROCKER ARM AS (VALVE)	
R	10	1	**278-1363**	2	ROCKER ARM AS (UNIT INJECTOR)	
	11	1	**061-8639**	2	SEAL-O-RING	
	12	1	**8L-2777**	4	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01306645

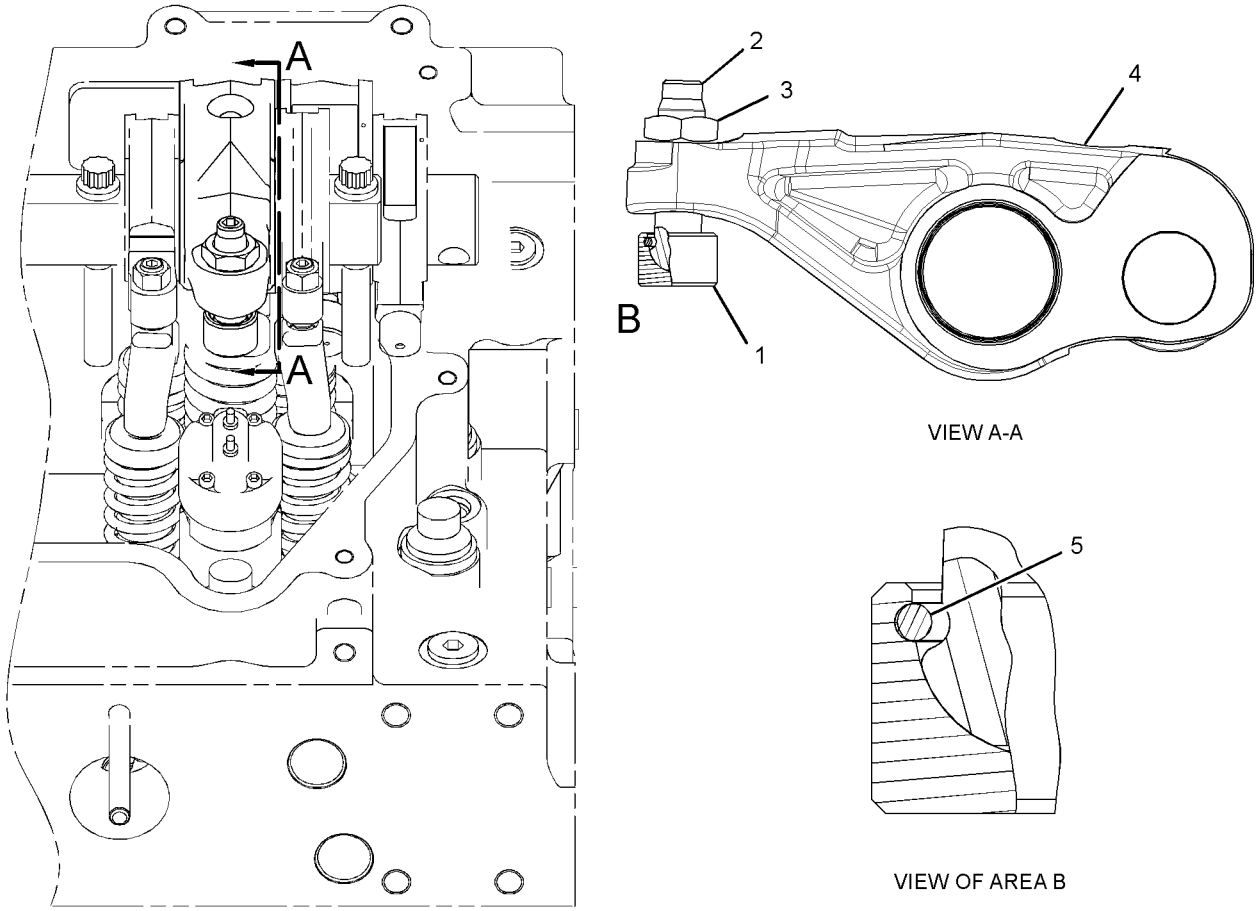
301-5352 ROCKER ARM GP—UNIT INJECTOR

S/N: JRE2682-4360
PART OF 328-4242 ROCKER ARM GP
ALSO AN ATTACHMENT

SMCS-1123 **i02730627**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**192-4151**	1	BUTTON	
	2	1	**196-5069**	1	SCREW-ARM ADJUSTMENT	
	3	1	**196-5070**	1	NUT-JAM (9/16-18-THD)	
R	4	1	**278-1363**	1	ROCKER ARM AS	
	5	1	**061-8639**	1	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



VIEW A-A

VIEW OF AREA B

GRAPHIC #1 **<END>** g01340074

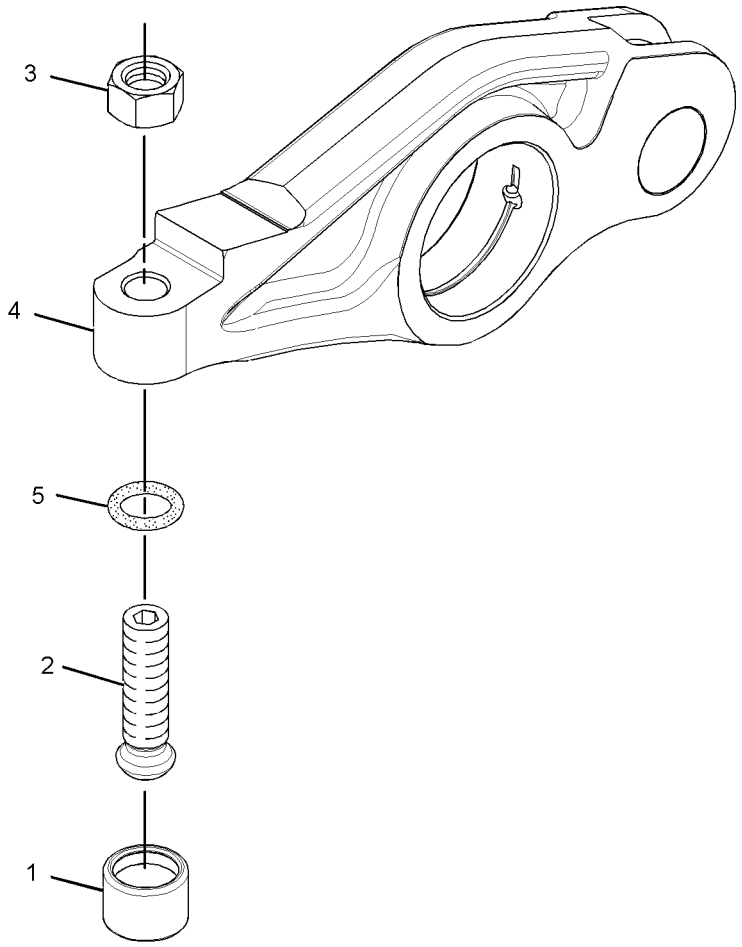
320-2794 ROCKER ARM GP–EXHAUST

S/N: JRE2682-4360
PART OF 328-4242 ROCKER ARM GP
ALSO AN ATTACHMENT

SMCS-1123 **i03008823**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**258-8721**	1	BUTTON	
	2	1	**274-4491**	1	SCREW-ARM ADJUSTMENT (3/8-24X1.20-IN)	
	3	1	**276-5317**	1	NUT (3/8-24-THD)	
R	4	1	**320-2795**	1	ROCKER ARM AS	
	5	1	**8L-2777**	1	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01533674

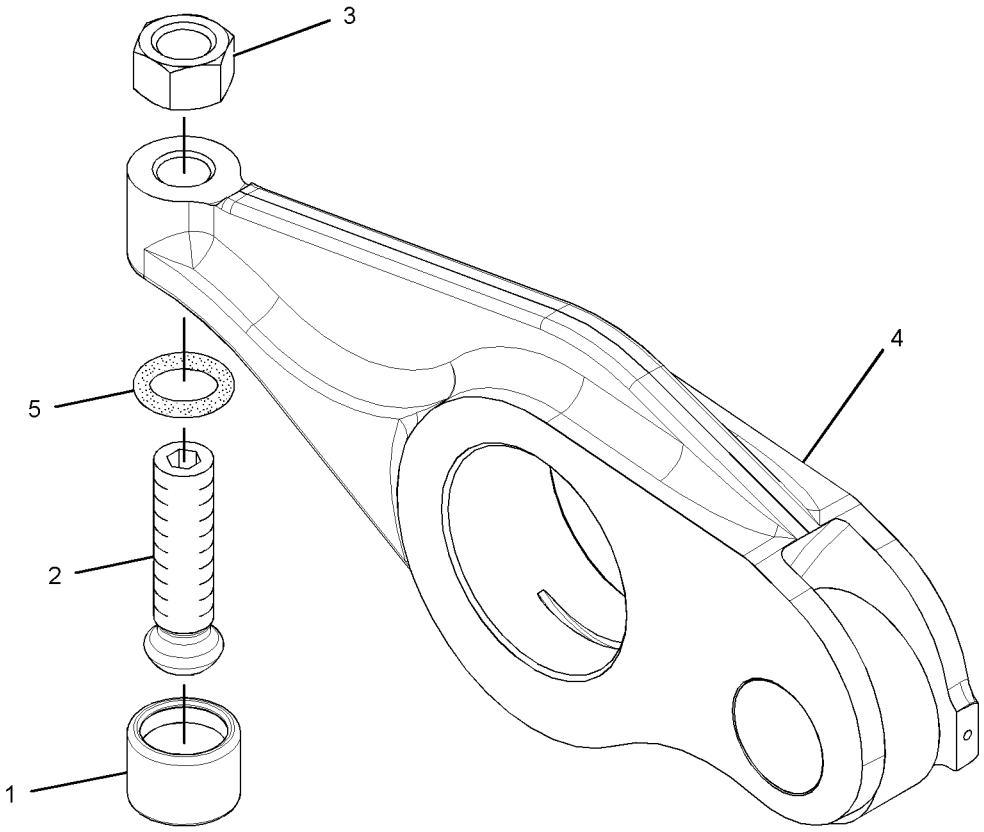
320-2796 ROCKER ARM GP–INTAKE

S/N: JRE1269-UP
PART OF 328-4236, 328-4242 ROCKER ARM GP
ALSO AN ATTACHMENT

SMCS-1123 **i03008827**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**258-8721**	1	BUTTON	
	2	1	**274-4491**	1	SCREW-ARM ADJUSTMENT (3/8-24X1.20-IN)	
	3	1	**276-5317**	1	NUT (3/8-24-THD)	
R	4	1	**320-2797**	1	ROCKER ARM AS	
	5	1	**8L-2777**	1	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01526902

328-4236 ROCKER ARM GP—NON-BRAKE

S/N: JRE1269-UP

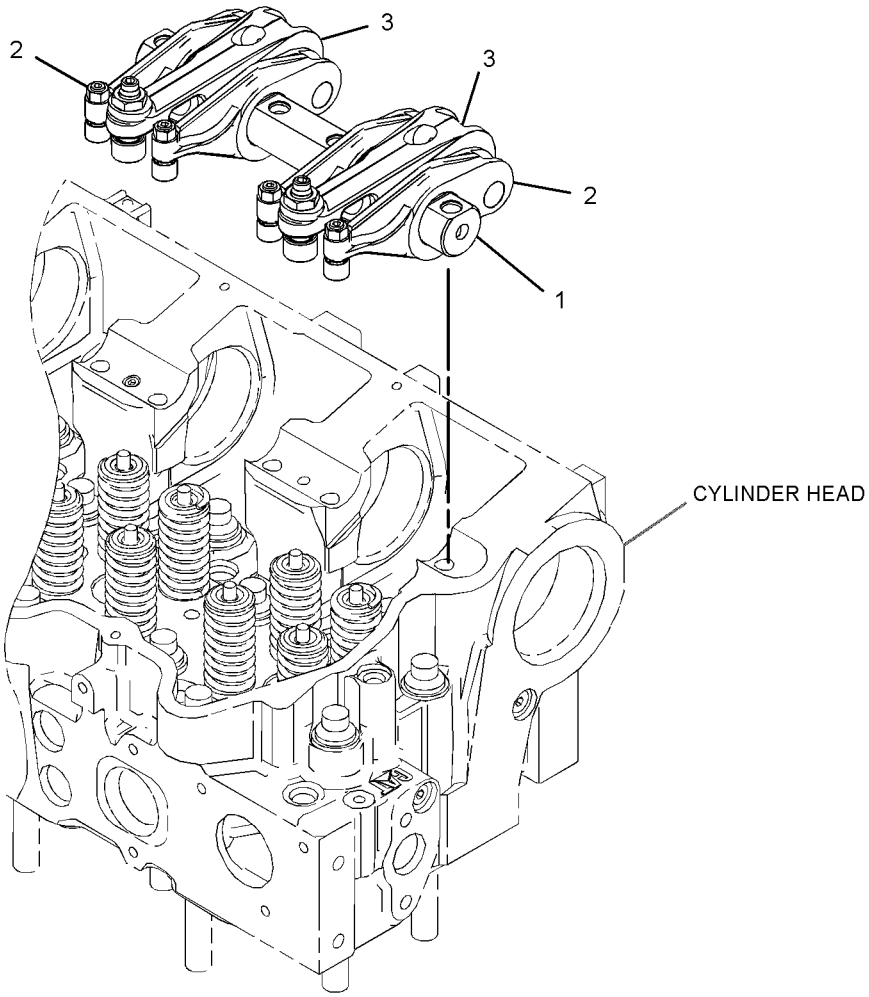
PART OF 190-0009 MECHANISM GP-FUEL PUMP & VALVE

ALSO AN ATTACHMENT

SMCS-1123 **i03640690**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**307-8322**	1	SHAFT AS-ROCKER ARM	
		1	**4B-9782**	2	BALL	
YR	2	1	*320-2796*	4	ROCKER ARM GP (INTAKE)	386
YR	3	1	*328-4238*	2	ROCKER ARM GP (UNIT INJECTOR)	388

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01705875

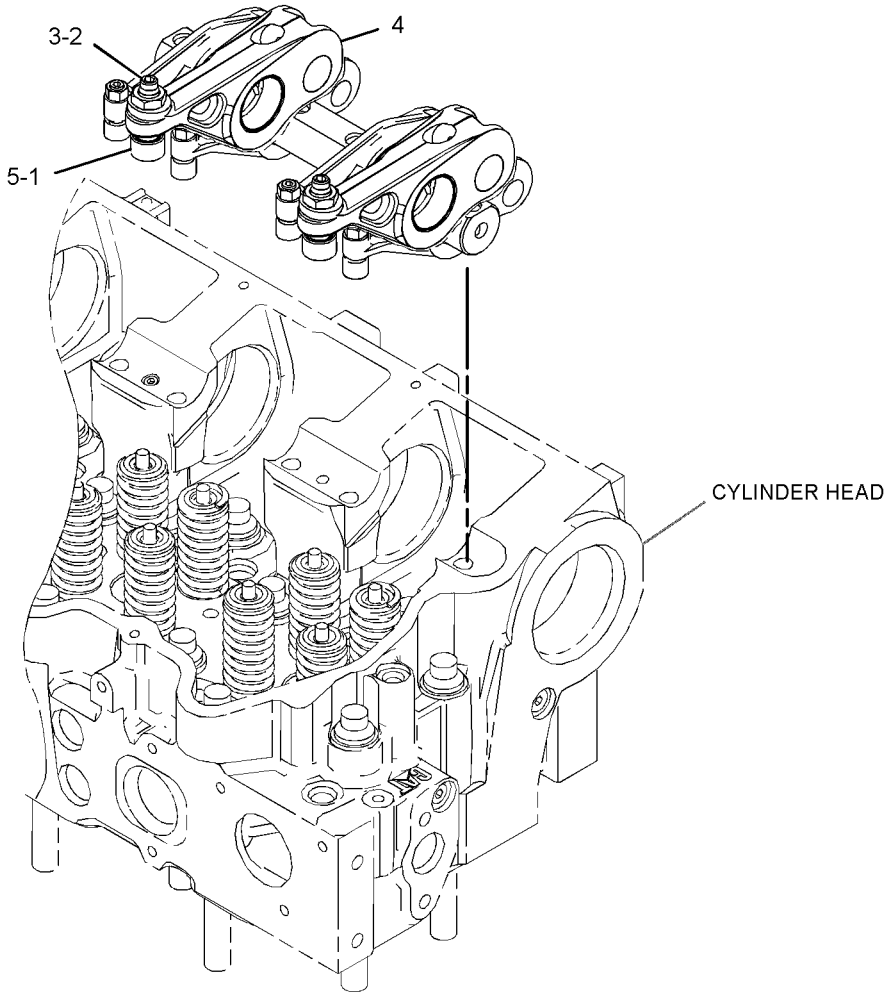
328-4238 ROCKER ARM GP–EXHAUST*R

S/N: JRE1269-UP
PART OF 328-4236 ROCKER ARM GP
ALSO AN ATTACHMENT

SMCS-1123 **i03326327**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**192-4151**	1	BUTTON	
	2	1	**196-5069**	1	SCREW-ARM ADJUSTMENT (9/16-18X2-IN)	
	3	1	**196-5070**	1	NUT-JAM (9/16-18-THD)	
R	4	1	**278-1365**	1	ROCKER ARM AS	
	5	1	**061-8639**	1	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01707153

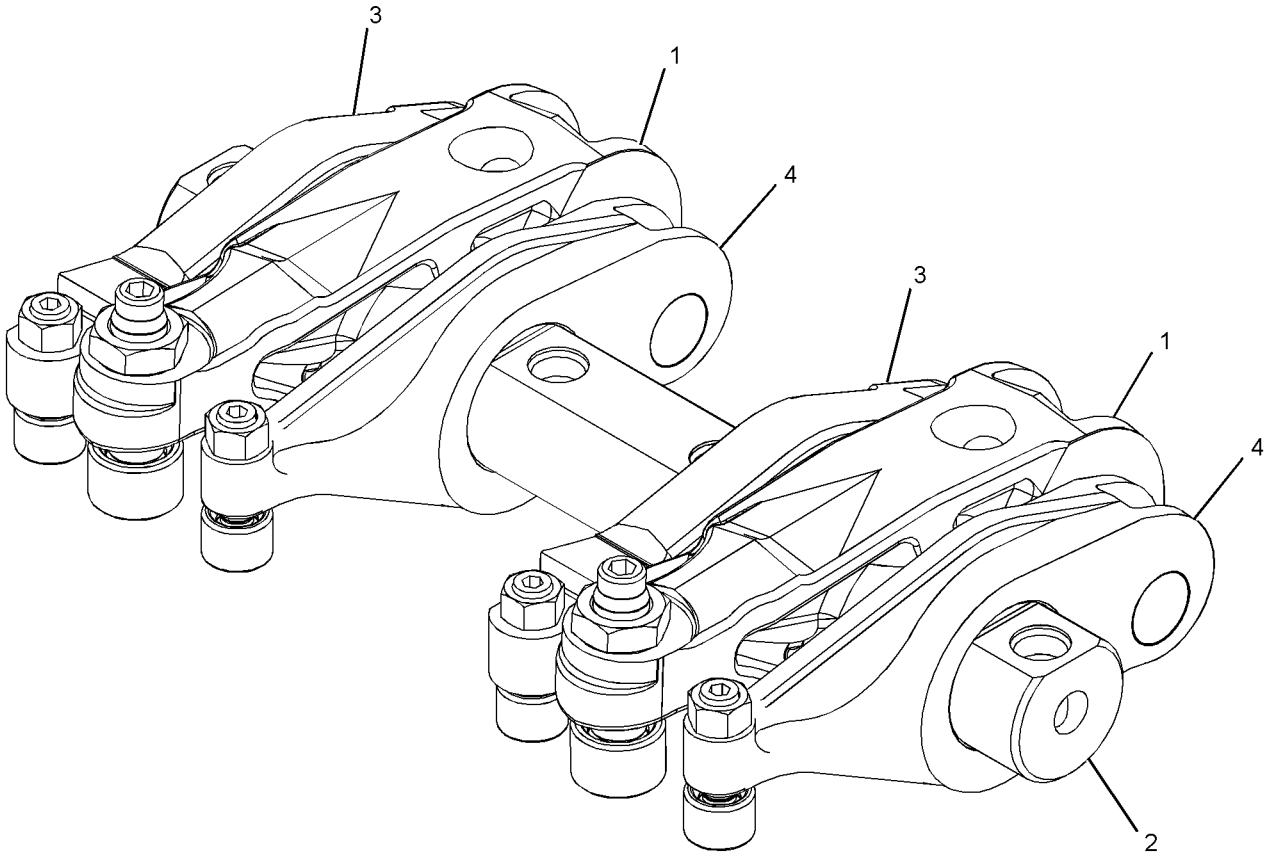
328-4242 ROCKER ARM GP

PART OF 266-3699 MECHANISM GP-FUEL PUMP & VALVE
ALSO AN ATTACHMENT

SMCS-1123 **i03571493**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	*301-5352*	2	ROCKER ARM GP (UNIT INJECTOR)	384
	2	1	**307-8322**	1	SHAFT AS-ROCKER ARM	
		1	**4B-9782**	2	BALL	
YR	3	1	*320-2794*	2	ROCKER ARM GP (EXHAUST)	385
YR	4	1	*320-2796*	2	ROCKER ARM GP (INTAKE)	386

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



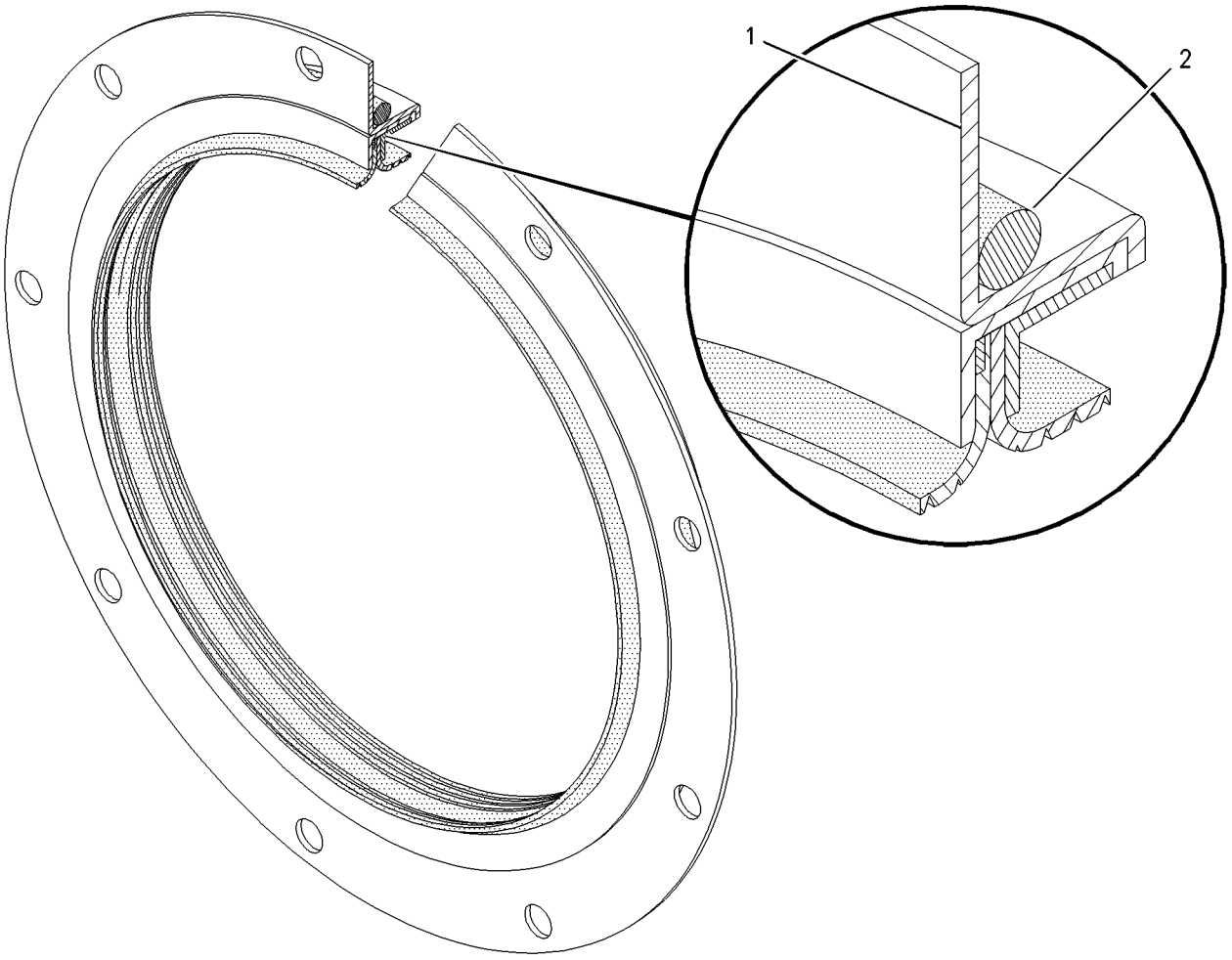
GRAPHIC #1 **<END>** g01825493

227-0838 SEAL GP-CRANKSHAFT–REAR

COUNTER CLOCKWISE ROTATION
PART OF 219-0626 DRIVE GP-POWER TAKE-OFF
AN ATTACHMENT

SMCS-1160, 1161 **i01891808**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**100-5421**	1	SEAL GP-CRANKSHAFT	
	2	1	**107-6280**	1	SEAL-O-RING	



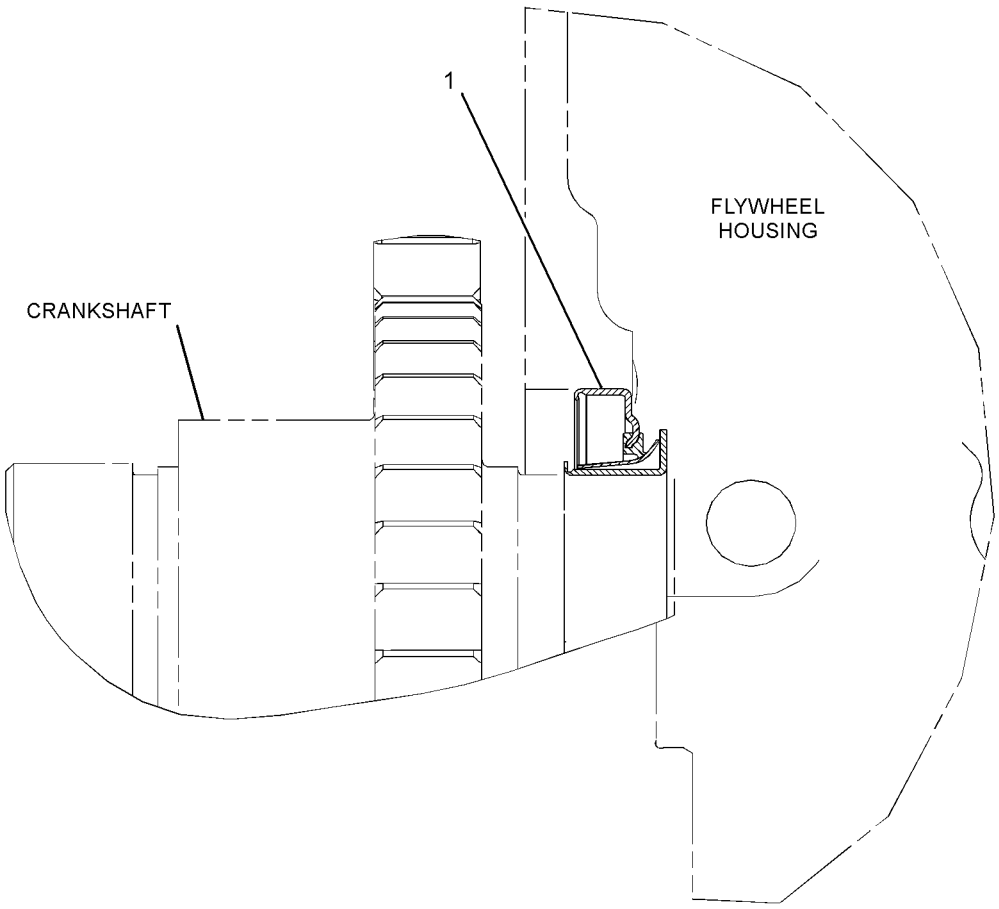
GRAPHIC #1 **<END>** g00985056

319-0785 SEAL GP-CRANKSHAFT–REAR

PART OF 120-9128, 130-4680, 135-7634, 160-2612, 220-6368, 223-4738 HOUSING GP-FLYWHEEL
FOR USE WITH CCW ROTATION, REAR
AN ATTACHMENT

SMCS-1160, 1161 **i02958100**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**142-5868**	1	SEAL - CRANKSHAFT (REAR)	



RIGHT SIDE VIEW OF ENGINE

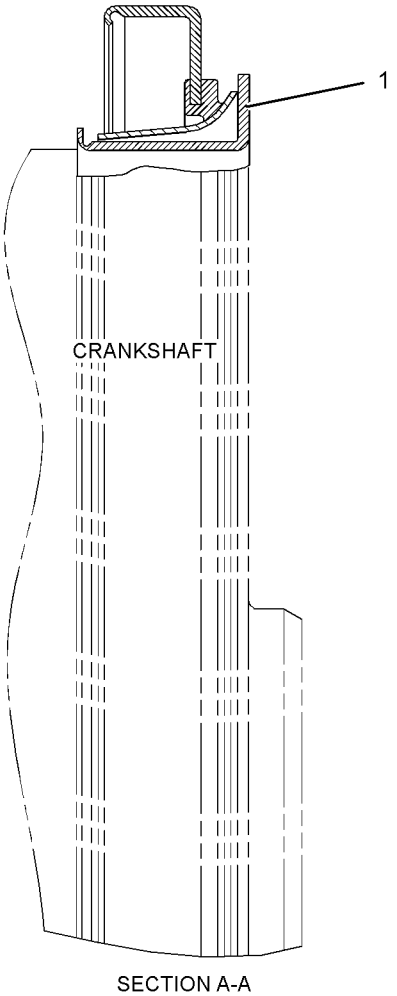
GRAPHIC #1 **<END>** g01496733

319-7401 SEAL GP-CRANKSHAFT—FRONT

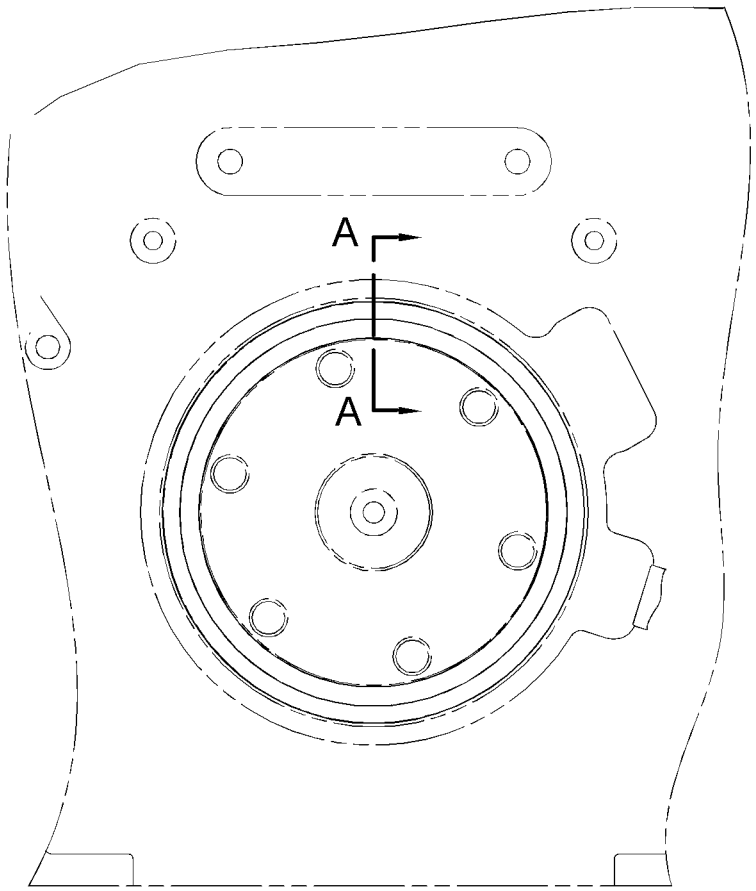
S/N: JRE106-UP
PART OF 223-9731 CRANKSHAFT GP
ALSO AN ATTACHMENT

SMCS-1160, 1161 **i02957871**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**142-5867**	1	SEAL-CRANKSHAFT (FRONT)	



SECTION A-A



FRONT VIEW OF ENGINE

GRAPHIC #1

<END>

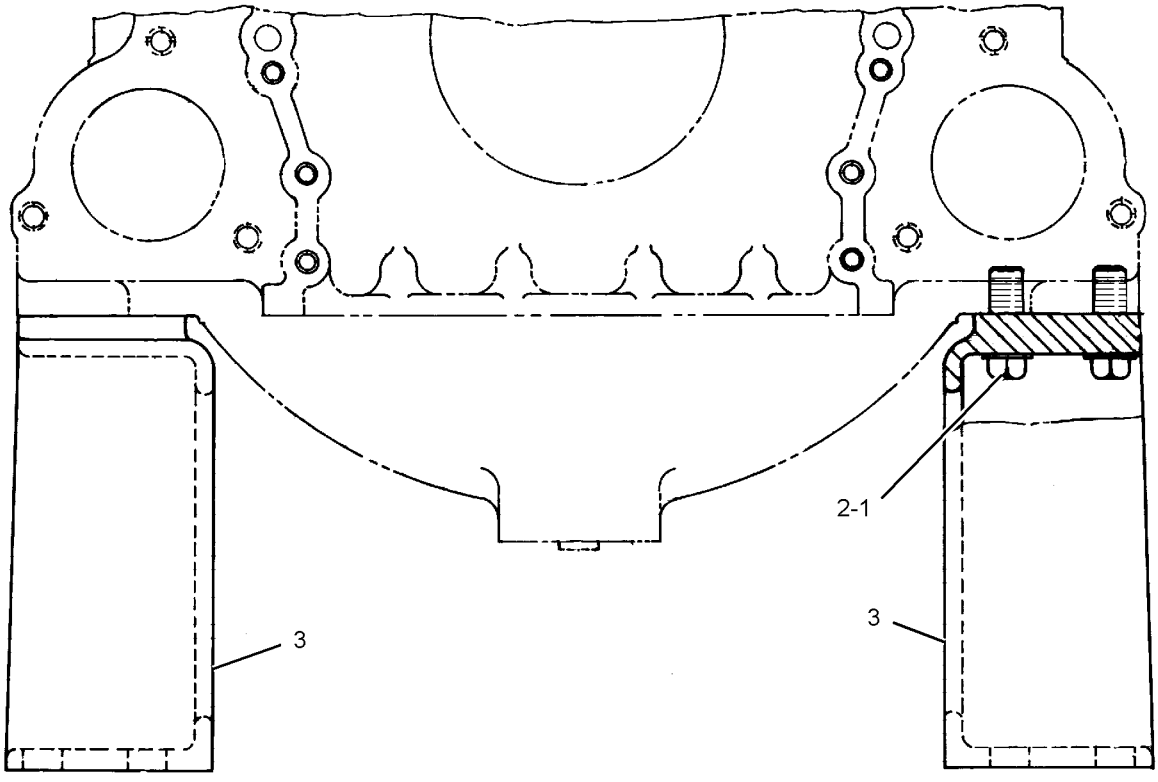
g01516169

4N-4286 SUPPORT GP-ENGINE–REAR

FOR USE WITH SAE NO. 0 OR NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1152, 1153, 1154 **i03309603**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-8880**	8	BOLT (5/8-11X2-IN)	
	2	1	**4D-3704**	8	WASHER-HARD (17X30X5-MM THK)	
	3	1	**4W-5074**	2	SUPPORT-REAR	



REAR VIEW OF ENGINE

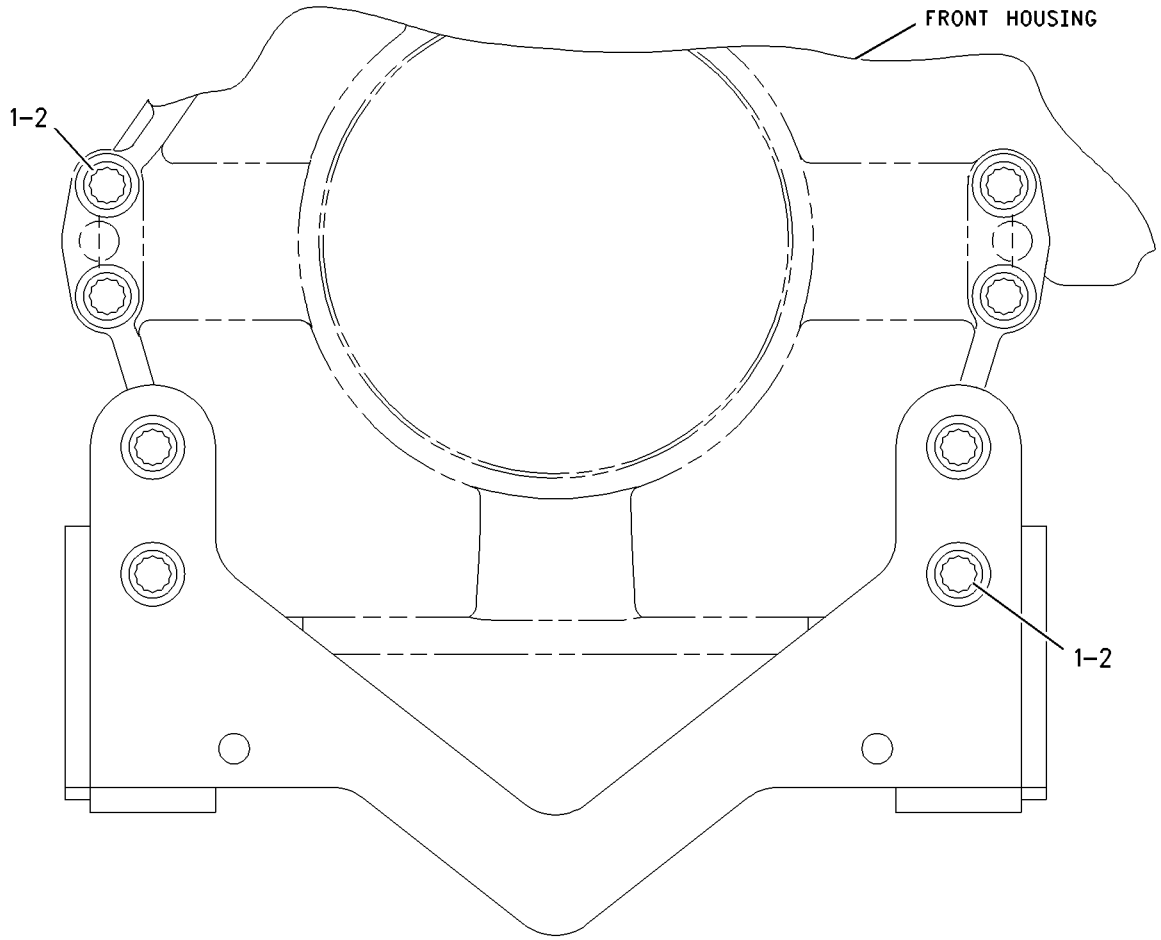
GRAPHIC #1 **<END>** g01348103

6I-3950 SUPPORT GP-ENGINE–FRONT

AN ATTACHMENT

SMCS-1152, 1153, 1154 **i01826045**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-8245**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	2	1	**5P-8038**	8	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	



FRONT VIEW

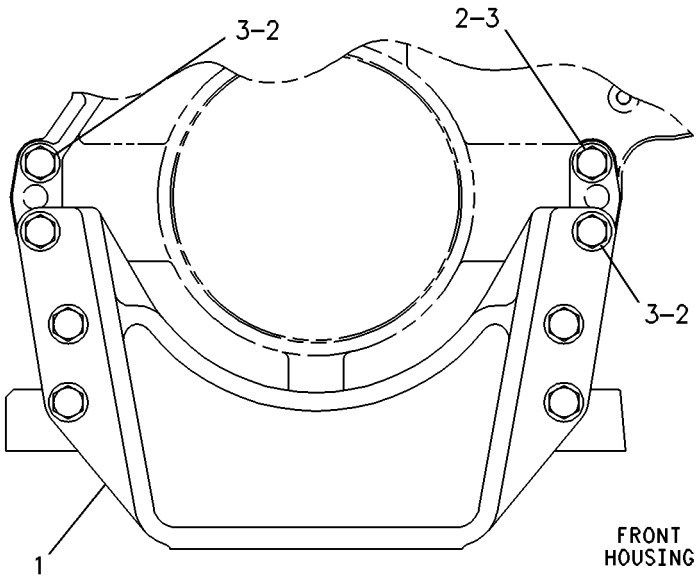
GRAPHIC #1 **<END>** g00942222

110-8875 SUPPORT GP-ENGINE

228.6MM (9 INCHES) FROM CENTERLINE OF CRANKSHAFT TO MOUNTING FACE OF SUPPORT AN ATTACHMENT

SMCS-1152, 1153, 1154 **i00832230**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-5176**	1	SUPPORT	
	2	1	**5P-8245**	14	WASHER-HARD (13.5X25.5X3-MM THK)	
	3	1	**2H-6488**	8	BOLT (1/2-13X5-IN)	



FRONT VIEW

GRAPHIC #1 **<END>** g00229301

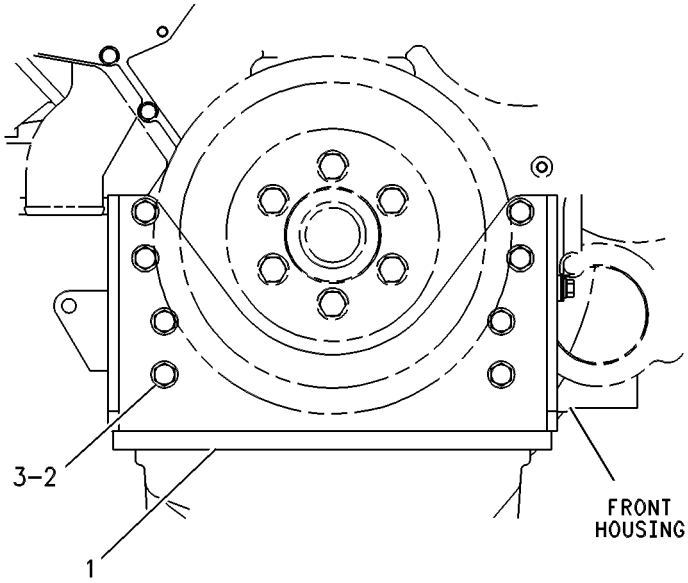
118-3359 SUPPORT GP-ENGINE

FOR USE WITH RH MOUNTED ALTERNATORS

AN ATTACHMENT

SMCS-1152, 1153, 1154 **i00702641**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-8025**	1	SUPPORT AS-ENGINE	
	2	1	**9X-8876**	8	BOLT (1/2-13X4.75-IN)	
	3	1	**5P-8245**	8	WASHER-HARD (13.5X25.5X3-MM THK)	



FRONT VIEW

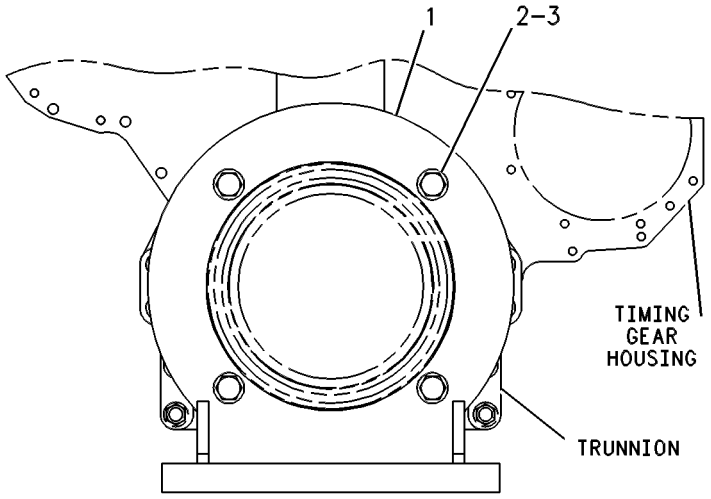
GRAPHIC #1 **<END>** g00252229

130-3571 SUPPORT GP-ENGINE

FOR USE WITH 192-0542—PAGE 406
AN ATTACHMENT

SMCS-1152, 1153, 1154 **i02899288**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**118-7870**	1	SUPPORT AS	
	2	1	**5P-8247**	4	WASHER-HARD (17X32X3.5-MM THK)	
	3	1	**0S-1566**	4	BOLT (5/8-11X1.5-IN)	



REAR VIEW

GRAPHIC #1 **<END>** g00121751

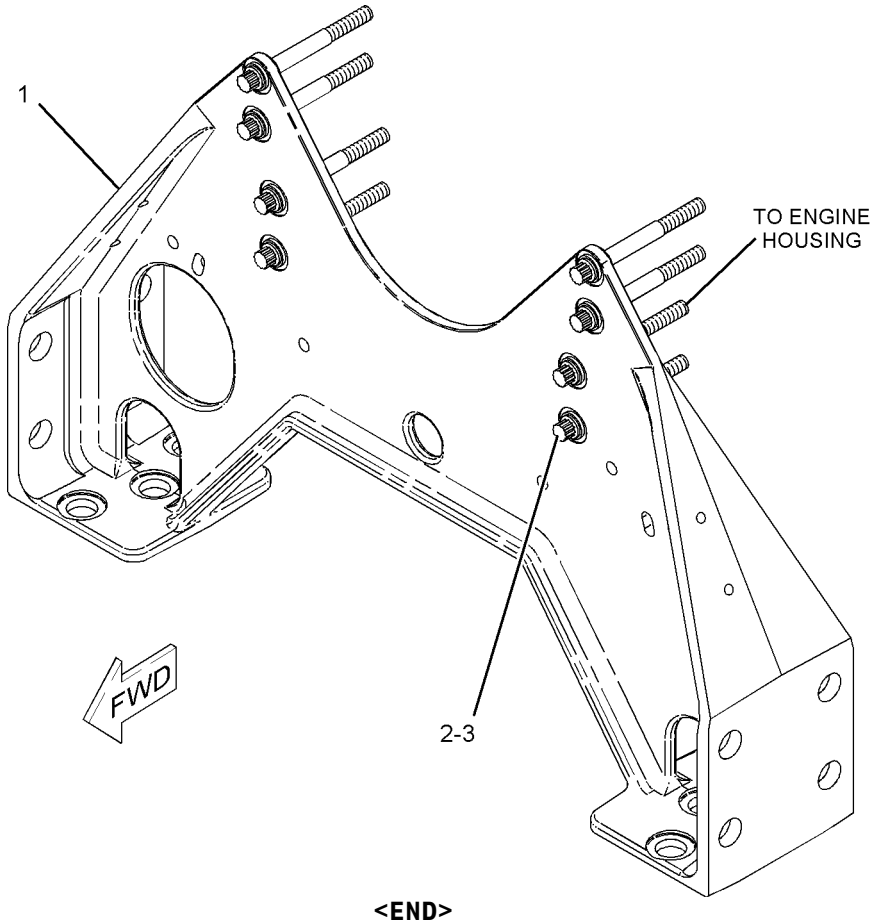
BASIC ENGINE

135-4326 SUPPORT GP-ENGINE

S/N: JRE1-118
FRONT
AN ATTACHMENT

SMCS-1152, 1153, 1154 **i02146978**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**231-2767**	1	SUPPORT	
	2	1	**5P-8038**	8	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	
	3	1	**3H-7654**	8	WASHER-HARD (13.5X22.5X3.0-MM THK)	



GRAPHIC #1 **<END>** g01089415

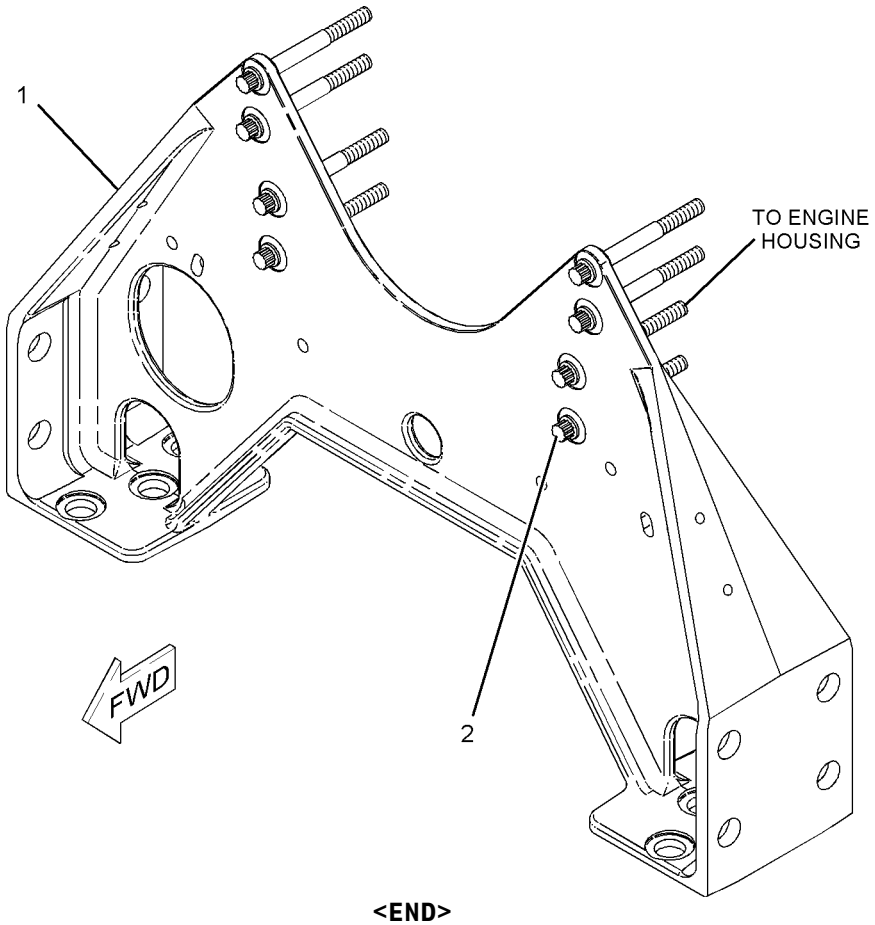
135-4326 SUPPORT GP-ENGINE

FRONT

AN ATTACHMENT

SMCS-1152, 1153, 1154 **i02249780**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**231-2767**	1	SUPPORT	
	2	1	**5P-8038**	8	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	



GRAPHIC #1 **<END>** g01132486

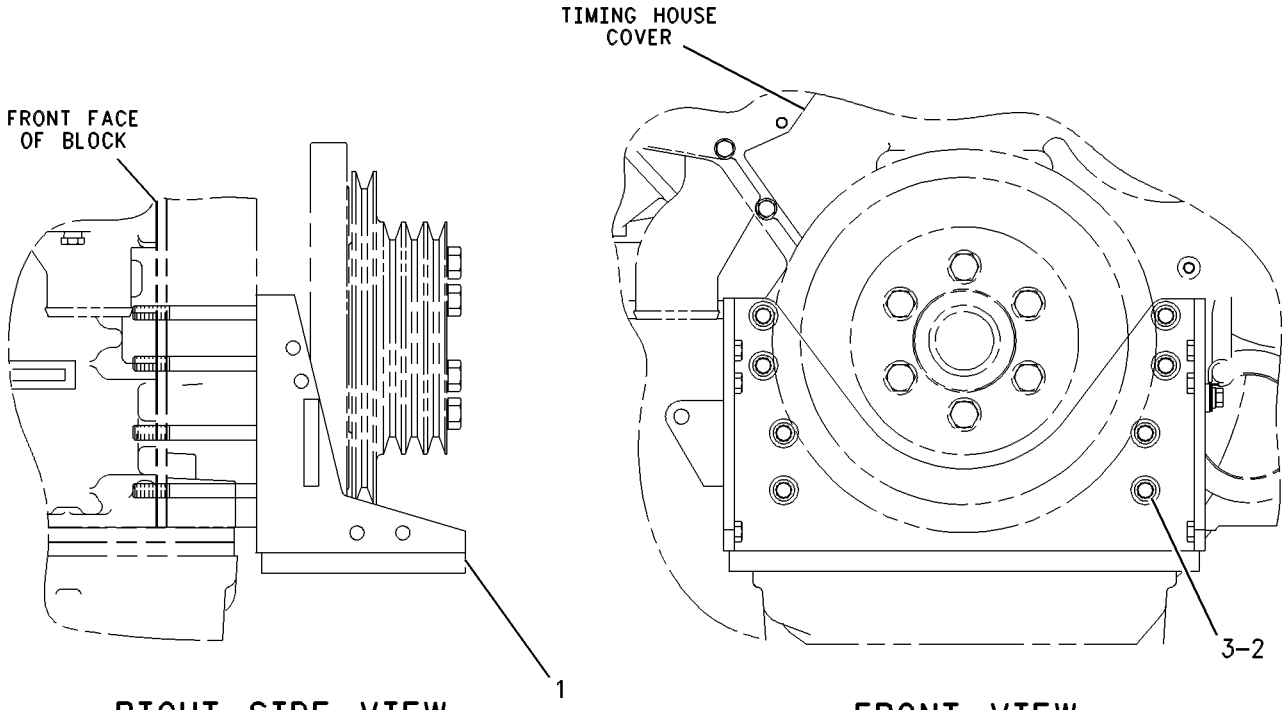
BASIC ENGINE

175-4856 SUPPORT GP-ENGINE

FOR USE WITH RH AND LH ALTERNATORS
AN ATTACHMENT

SMCS-1152, 1153, 1154 **i01724426**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**174-6479**	1	SUPPORT AS-ENGINE	
	2	1	**5P-8038**	8	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	
	3	1	**5P-8245**	8	WASHER-HARD (13.5X25.5X3-MM THK)	



RIGHT SIDE VIEW FRONT VIEW

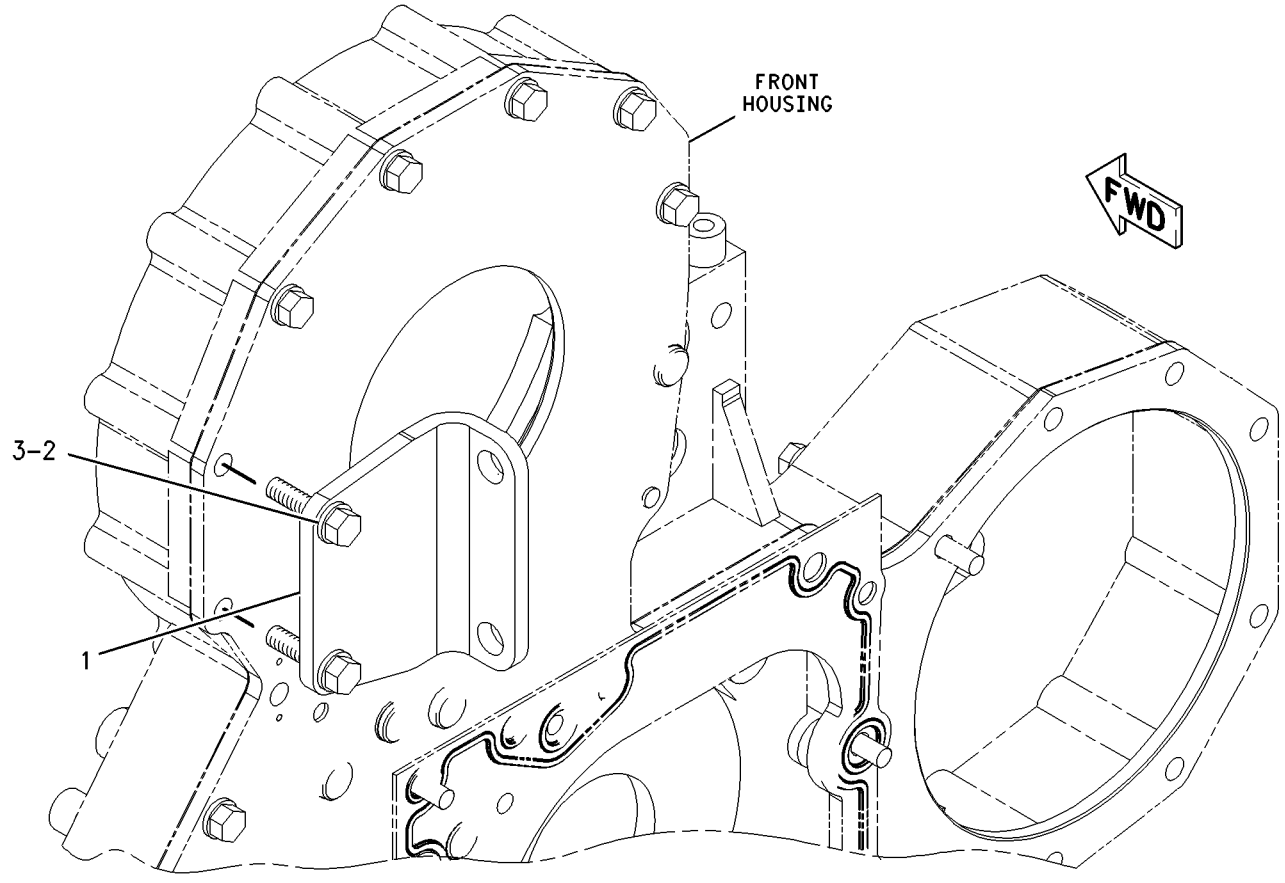
GRAPHIC #1 **<END>** g00663413

227-9495 SUPPORT GP-ENGINE

FRONT PLATE TO CYLINDER HEAD
CANNOT BE USED WITH 316-8349 SUPPORT GP-RADIATOR
AN ATTACHMENT

SMCS-1152, 1153, 1154 **i01920142**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-3968**	1	BRACKET-SUPPORT	
	2	1	**0S-1591**	2	BOLT (3/8-16X1.5 IN)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5MM THK)	



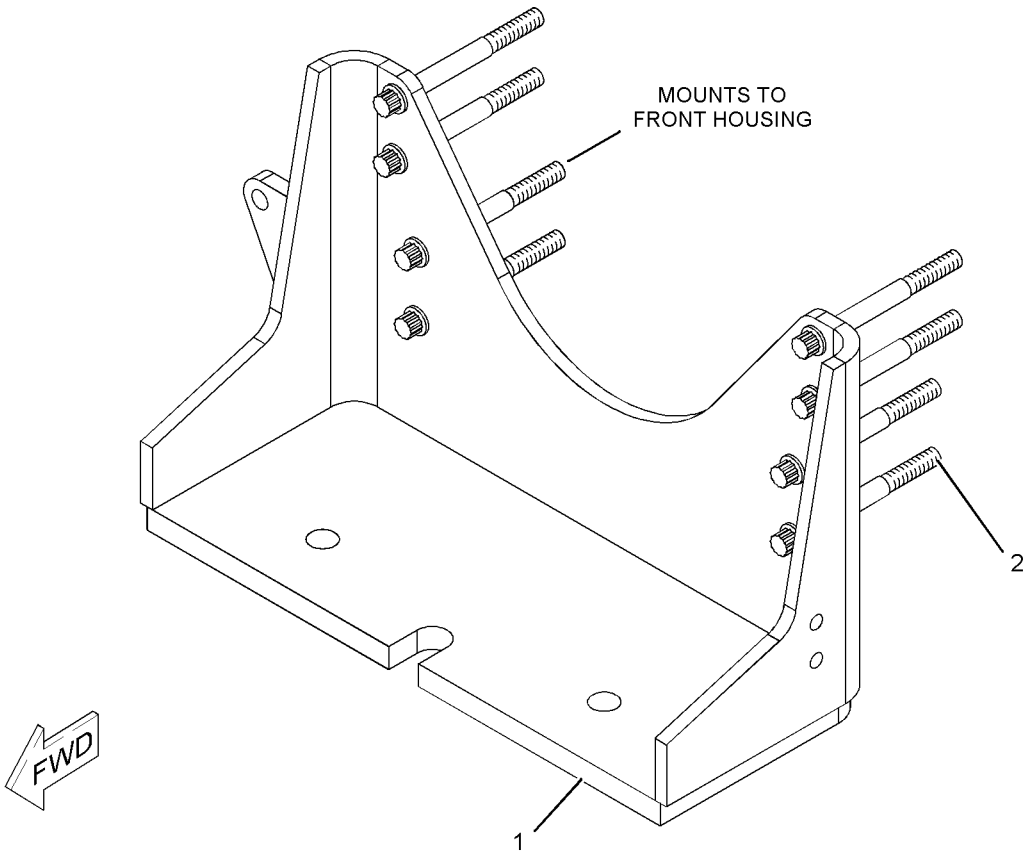
GRAPHIC #1 **<END>** g00999807

244-8681 SUPPORT GP-ENGINE

NARROW SUPPORT THAT ALLOWS CLEARANCE FOR LARGER 16-INCH DAMPER. FRONT AN ATTACHMENT

SMCS-1152, 1153, 1154 **i02117406**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**244-8682**	1	SUPPORT AS	
	2	1	**5P-8038**	8	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	



GRAPHIC #1 **<END>** g01078723

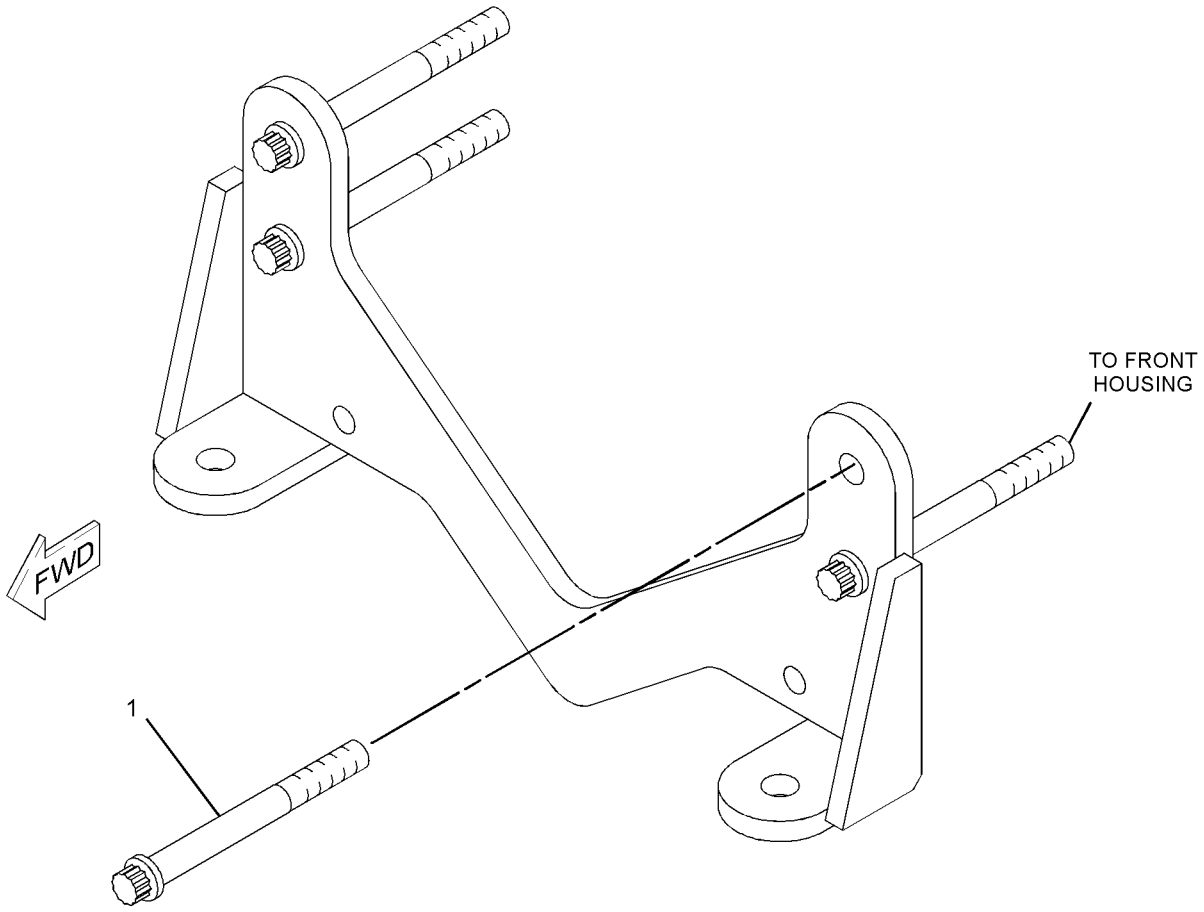
262-4168 SUPPORT GP-ENGINE

FRONT

AN ATTACHMENT

SMCS-1152, 1153, 1154 **i02251417**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-8038**	8	BOLT-12 POINT HEAD (1/2-13X4.75-IN)	



GRAPHIC #1 **<END>** g01140397

5N-1678 SUPPORT GP-POWER TAKE-OFF

CLUTCH

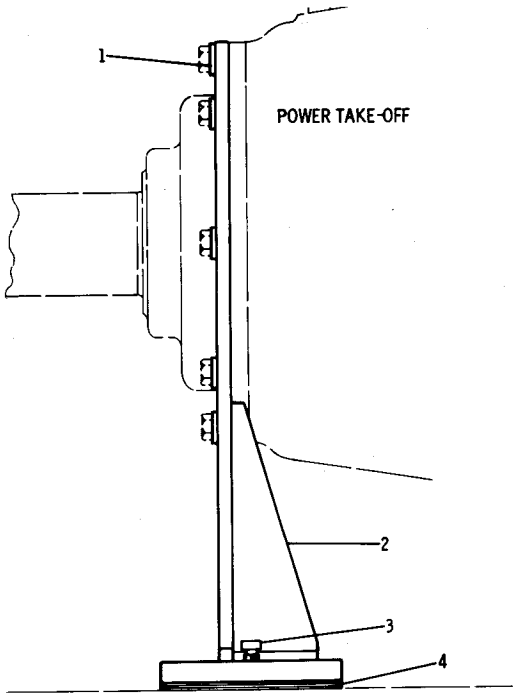
FOR USE WITH REAR POWER TAKE-OFF, 2W-4909—PAGE 365. CANNOT BE USED WITH FUEL TANK BASES

AN ATTACHMENT

SMCS-1165 **i02544081**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4D-3704**	8	WASHER-HARD (17X30X5-MM THK)	
	2	1	**5N-1677**	1	SUPPORT AS	
	3	1	**4B-3586**	2	SETSCREW (1/2-13X2-IN)	
B	4	1	**5N-1693**	6	SHIM (0.5-MM THK)	
B		1	**5N-1694**	12	SHIM (0.8-MM THK)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00136031

5N-1933 SUPPORT GP-POWER TAKE-OFF

CLUTCH

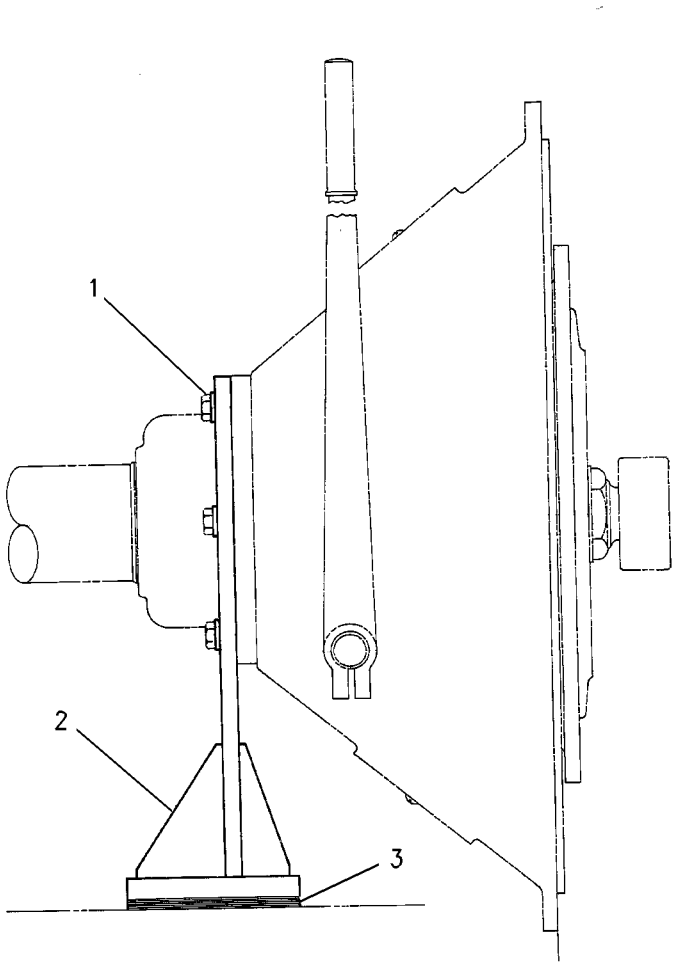
CANNOT BE USED WITH FUEL TANK BASE

AN ATTACHMENT

SMCS-1165 **i02544096**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-8245**	6	WASHER-HARD (13.5X25.5X3-MM THK)	
	2	1	**7L-5810**	1	SUPPORT AS	
B	3	1	**9F-2187**	16	SHIM (0.0140-IN THK)	
B		1	**9F-2188**	30	SHIM (0.0320-IN THK)	

B-USE AS REQUIRED



GRAPHIC #1 **<END>** g00783948

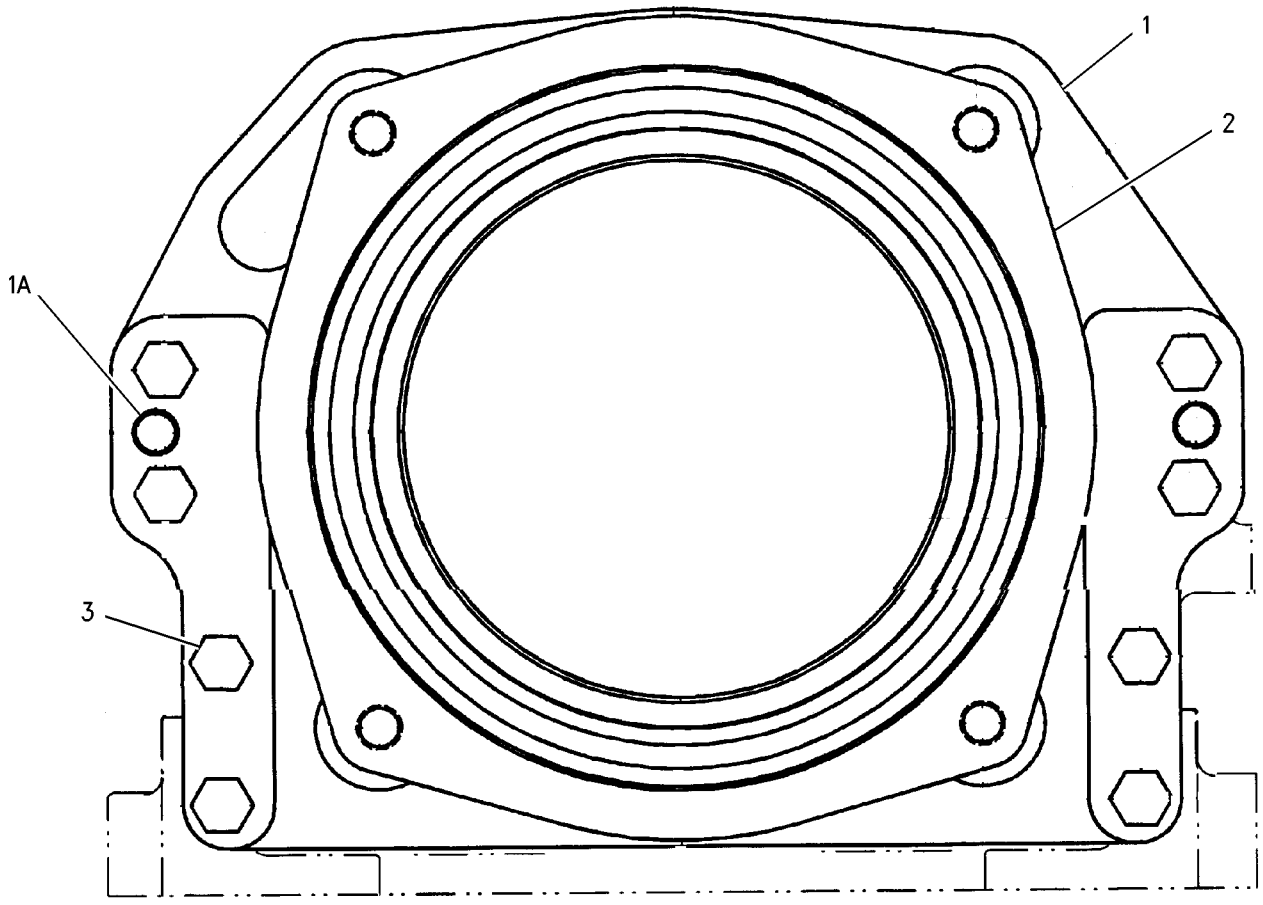
BASIC ENGINE

192-0542 TRUNNION GP-ENGINE

AN ATTACHMENT

SMCS-1154 **i02899293**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-3014**	1	ADAPTER AS	
	1A	1	**4N-0683**	2	DOWEL	
	2	1	**7N-1210**	1	MOUNT AS	
	3	1	**9X-8876**	8	BOLT (1/2-13X4.75-IN)	



GRAPHIC #1 **<END>** g00712631

2N-8612 V-BELT SET—INCLUDES 3-BELTS, FAN DRIVE

1359-MM(53.5-INCH)LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02728520**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 3-BELTS)	

<END>

3R-9090 V-BELT SET—INCLUDES 4-BELTS, FAN DRIVE

1905 MM (75 INCH)LONG FOR USE WITH FAN DRIVE & 508 MM (20 INCH) CENTER DISTANCE AN ATTACHMENT

SMCS-1357 **i02738456**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 4-BELTS)	

<END>

4N-6423 V-BELT SET—INCLUDES 3-BELTS, FAN DRIVE

1639-MM(64.5-INCH)LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02728652**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 3-BELTS)	

<END>

4N-8198 V-BELT SET—INCLUDES 3-BELTS, FAN DRIVE

2134-MM (84-INCH) LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02728658**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 3-BELTS)	

<END>

4P-8087 V-BELT SET—INCLUDES 3-BELTS, FAN DRIVE

1956-MM (77-INCH) LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02728663**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 3-BELTS)	

<END>

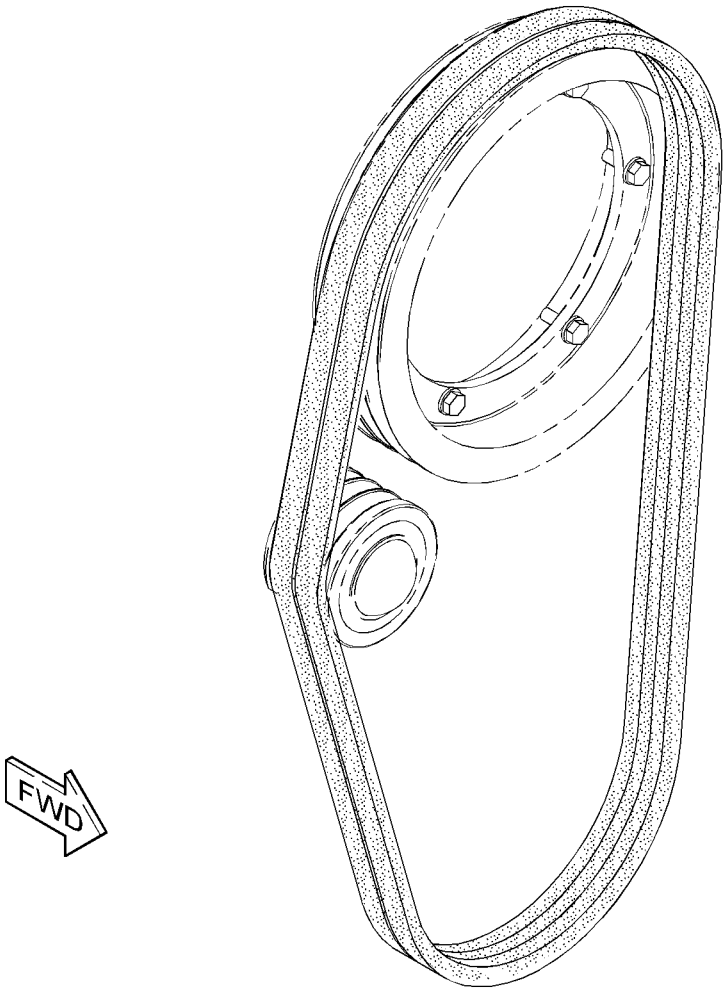
BASIC ENGINE

6L-1987 V-BELT SET–2 BELTS

2083 MM (82 IN) LG
AN ATTACHMENT

SMCS-1357 **i02941019**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(INCLUDES 2 BELTS)	



GRAPHIC #1 **<END>** g01458963

6N-6651 V-BELT SET—INCLUDES 3-BELTS, FAN DRIVE

1892-MM (74.5-INCH) LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02905483**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	6N-6650	3	V-BELT (FAN DRIVE)	

<END>

6N-6652 V-BELT SET—INCLUDES 3-BELTS, FAN DRIVE

1689 MM(66.5 INCH) LONG -REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i01213559**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 3 BELTS)	

<END>

6N-6653 V-BELT SET—INCLUDES 4-BELTS, FAN DRIVE

1613-MM (63.5 INCH-LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02728719**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 4-BELTS)	

<END>

6N-9159 V-BELT SET—INCLUDES 4-BELTS, FAN DRIVE

1549-MM (61-INCH) LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02728745**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 4-BELTS)	

<END>

7E-7646 V-BELT SET—INCLUDES 3-BELTS, FAN DRIVE

1752-MM (69-INCH) LONG. REQUIRES FAN DRIVE OR FAN DRIVE AND BELT TIGHTENER AN ATTACHMENT

SMCS-1357 **i02728751**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 3-BELTS)	

<END>

BASIC ENGINE

7E-9515 V-BELT SET—INCLUDES 4-BELTS, FAN DRIVE

2057 MM (81 IN) LONG

AN ATTACHMENT

SMCS-1357 **i01245897**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			INCLUDES 4 BELTS	

<END>

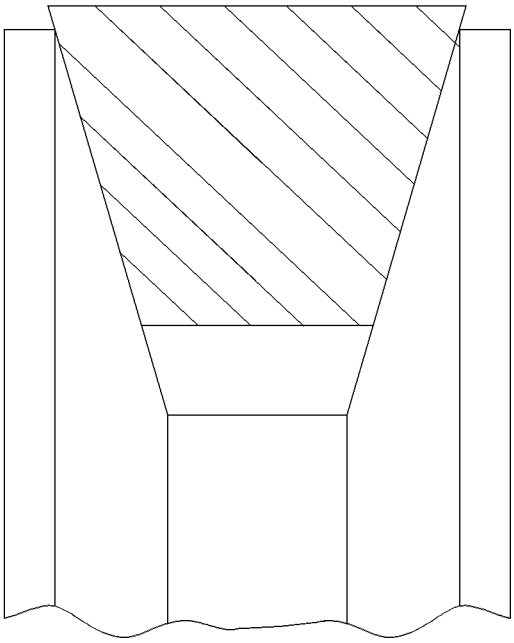
BASIC ENGINE

164-4526 V-BELT SET

1295MM(51IN) LONG
AN ATTACHMENT

SMCS-1357 **i01549247**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					INCLUDES 3 BELTS	



GRAPHIC #1 **<END>** g00495174

BASIC ENGINE

164-4543 V-BELT SET—INCLUDES 4-BELTS

1689-MM (66.5-INCH) LONG, FAN DRIVE

AN ATTACHMENT

SMCS-1357 **i02425177**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(INCLUDES 4 BELTS)	

<END>

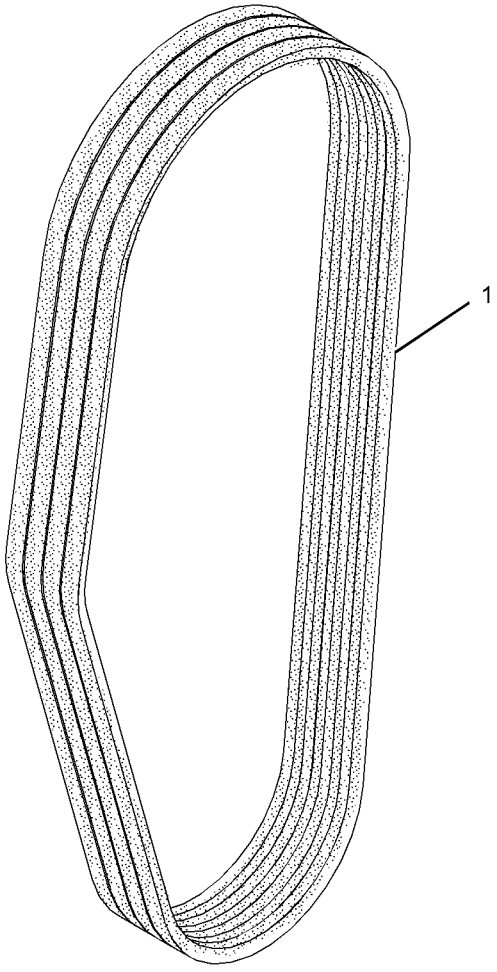
BASIC ENGINE

260-3199 V-BELT SET

1892 MM (74 IN) LONG
AN ATTACHMENT

SMCS-1357 **i02746438**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-6650**	4	V-BELT (INCLUDES 4-BELTS)	



GRAPHIC #1

<END>

g01376528

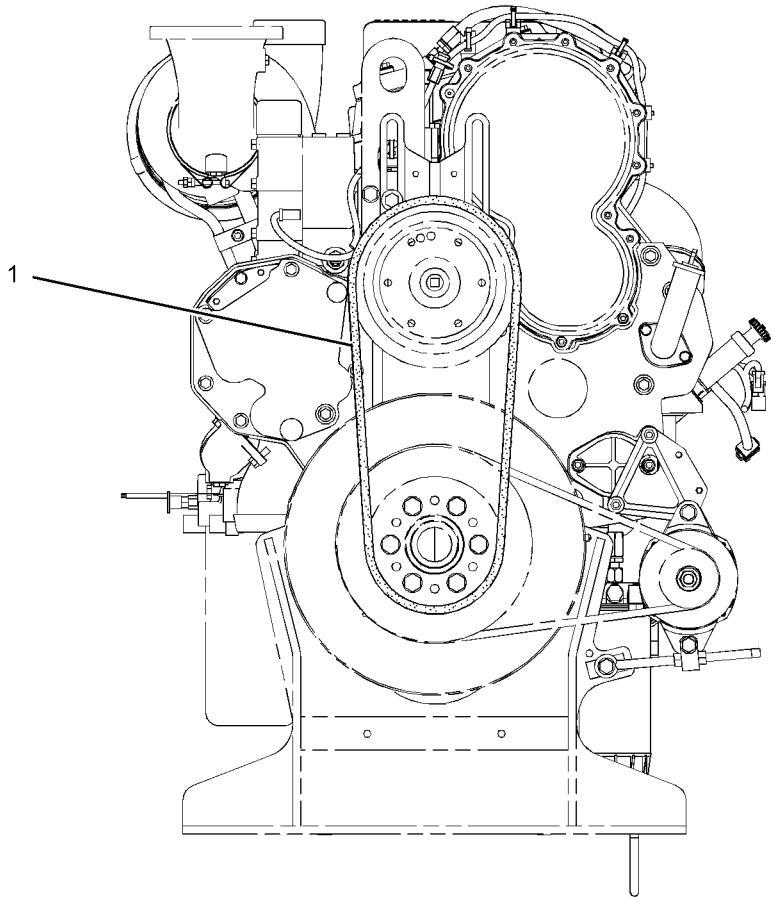
BASIC ENGINE

284-8095 V-BELT SET—INCLUDES 3-BELTS

1499 MM (59 IN) LONG
FOR USE WITH FAN DRIVE RATIO OF 0.8:1
AN ATTACHMENT

SMCS-1357 **i02647787**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9L-6641**	3	V-BELT (ALTERNATOR)	



FRONT VIEW OF ENGINE

GRAPHIC #1 **<END>** g01336616

BASIC ENGINE

313-6348 V-BELT SET—INCLUDES 4-BELTS

1524 MM (60 IN) LONG
AN ATTACHMENT

SMCS-1357 **i02763933**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

316-9076 V-BELT SET—INCLUDES 4-BELTS

1499 MM (59 IN) LONG
FOR USE WITH TIER III INDUSTRIAL ENGINES
AN ATTACHMENT

SMCS-1357 **i02864803**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	9L-6641	4	V-BELT (FAN DRIVE)	

<END>

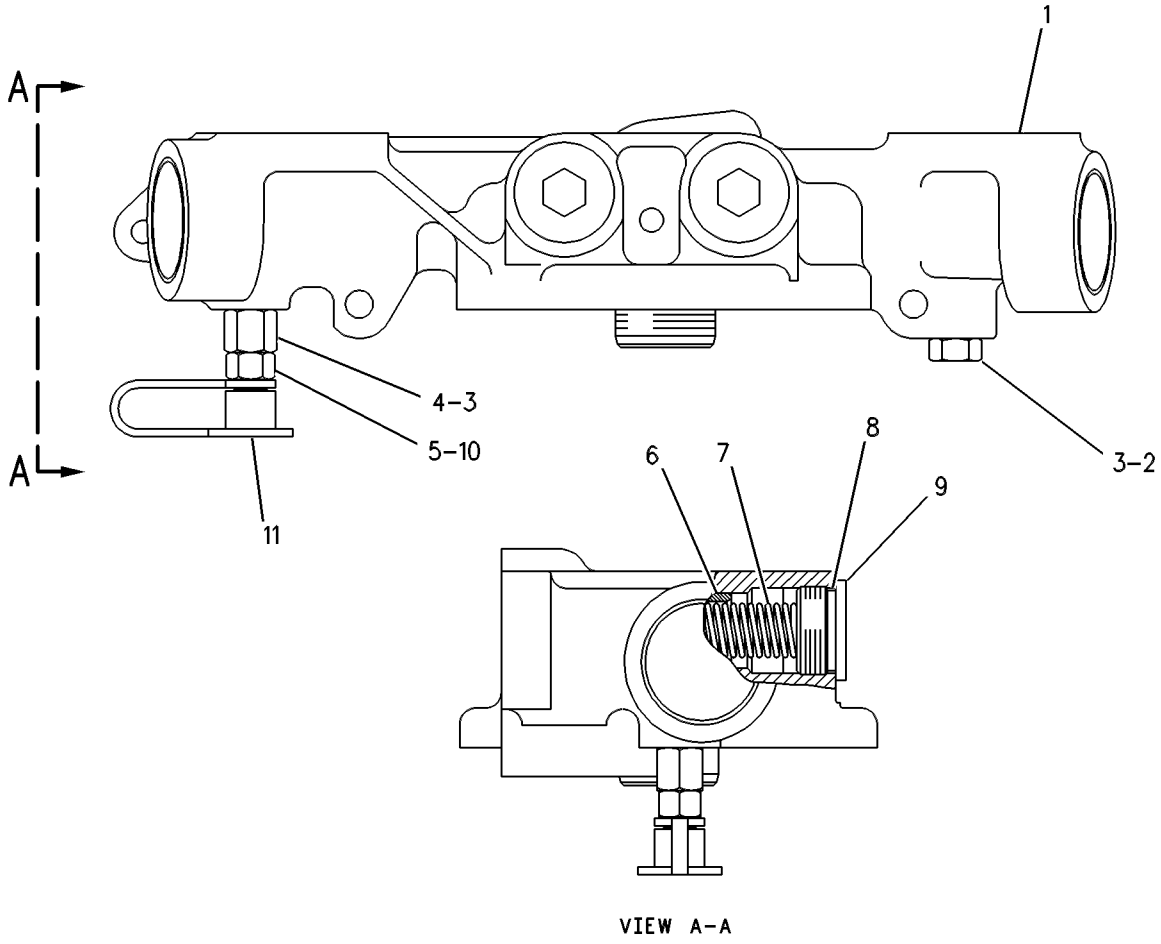
154-4327 BASE GP-OIL FILTER–ENGINE

PART OF 155-5005 BASE GP-OIL FILTER
AN ATTACHMENT

SMCS-1306 **i03603322**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**176-1363**	1	BASE GP-OIL FILTER (ENGINE)	418
	2	1	**9S-4191**	1	PLUG-O-RING	
	3	1	**6V-5049**	2	SEAL-O-RING	
	4	1	**5P-9617**	1	ADAPTER	
	5	1	**8C-3446**	1	VALVE-FLUID SAMPLING (ENGINE OIL)	
	6	1	**1P-1367**	2	PLUNGER	
	7	1	**4N-8150**	2	SPRING	
	8	1	**5P-7701**	2	SEAL-O-RING	
	9	1	**9S-9334**	2	PLUG-O-RING	
	10	1	**3J-7354**	1	SEAL-O-RING	
	11	1	**8C-3445**	1	CAP-DUST (ENGINE OIL FILTER)	

Y-SEPARATE ILLUSTRATION



VIEW A–A

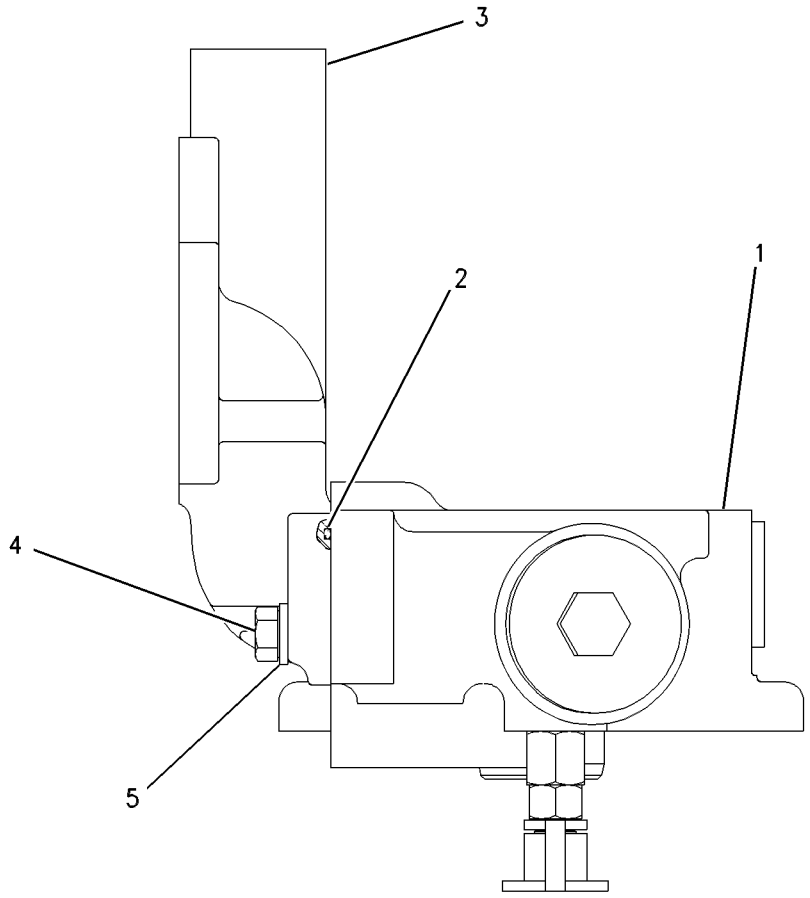
GRAPHIC #1 **<END>** g00445963

155-5005 BASE GP-OIL FILTER–ENGINE

PART OF 114-1922, 122-1517, 154-4325, 170-1282, 263-2186 FILTER GP-ENGINE OIL
AN ATTACHMENT

SMCS-1306 **i02711276**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*154-4327*	1	BASE GP-OIL FILTER (ENGINE)	416
	2	1	**061-7540**	2	SEAL-O-RING	
	3	1	**153-6680**	1	ELBOW	
	4	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	5	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
Y-SEPARATE ILLUSTRATION						



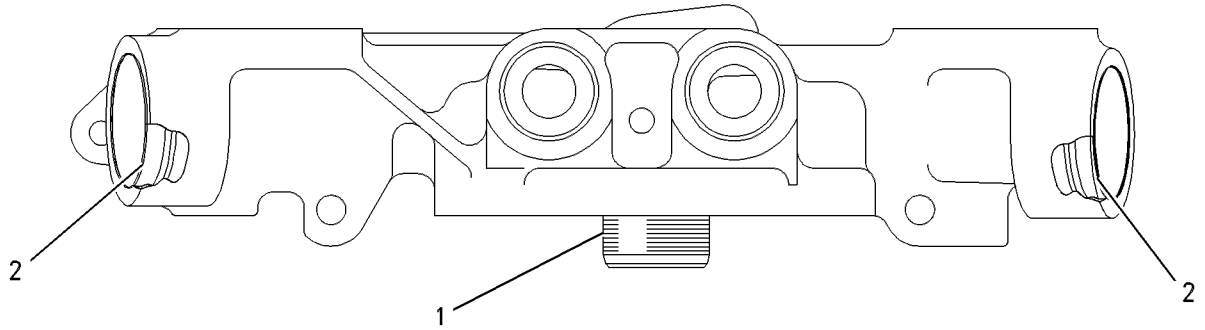
GRAPHIC #1 **<END>** g00507738

176-1363 BASE GP-OIL FILTER–ENGINE

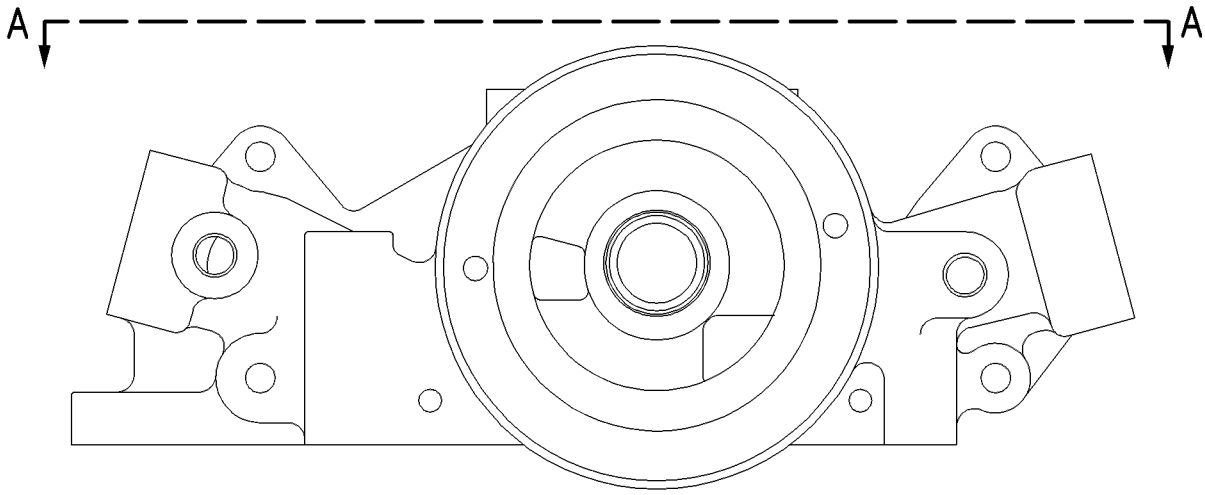
PART OF 154-4327 BASE GP-OIL FILTER
AN ATTACHMENT

SMCS-1306 **i02459914**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2P-4304**	1	STUD-HOLLOW	
	2	1	**9L-7657**	2	PLUG-CUP	



VIEW A–A



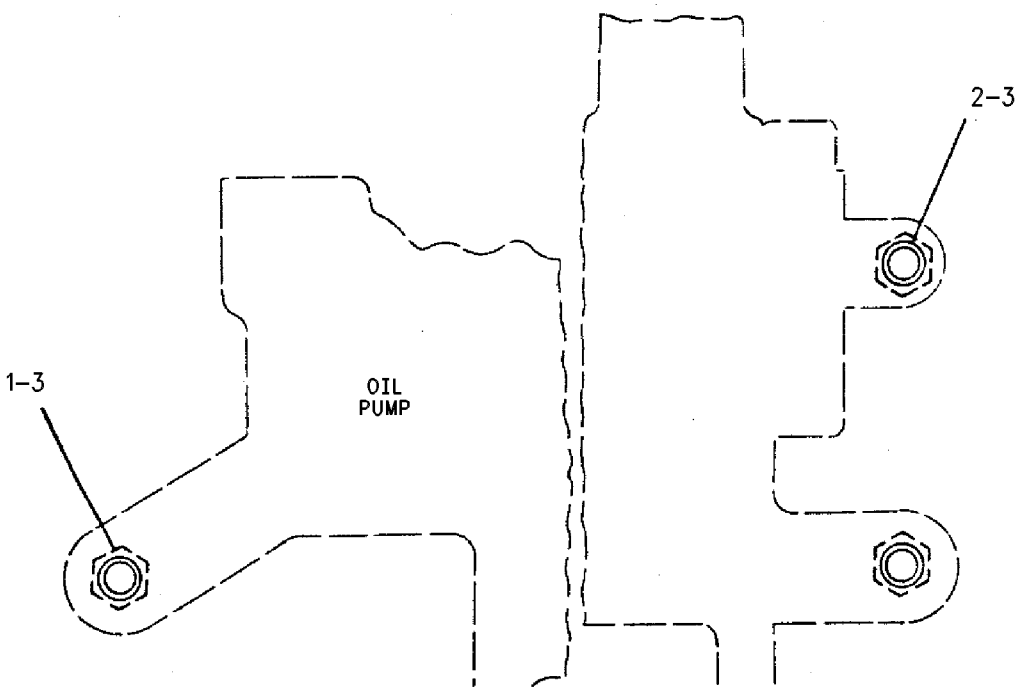
GRAPHIC #1 **<END>** g00638223

4N-2481 FASTENER GP-OIL PUMP MOUNTING–ENGINE

ALSO AN ATTACHMENT

SMCS-1304 **i02728826**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0L-1143**	2	BOLT (3/8-16X2.5-IN)	
	2	1	**0S-1590**	1	BOLT (3/8-16X2-IN)	
	3	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g00604525

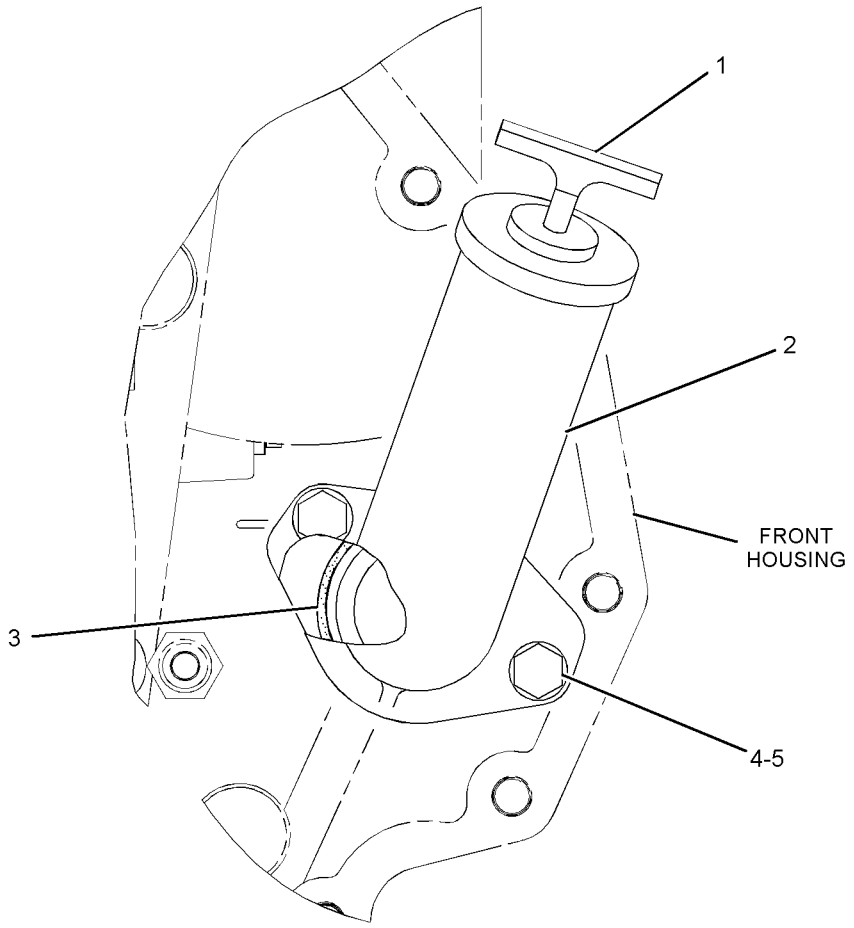
LUBRICATION SYSTEM

6I-3944 FILLER GP-ENGINE OIL

FILLER MOUNTED ON TIMING GEAR HOUSING,
LEFT HAND FRONT STEEL TUBE OIL FILLER AND OIL FILL CAP WITHOUT CHAIN
AN ATTACHMENT

SMCS-1316 **i03032661**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**068-4497**	1	CAP-OIL FILLER (ENGINE)	
	2	1	**241-2942**	1	TUBE AS-OIL (FILLER)	
	3	1	**061-9455**	1	SEAL-O-RING	
	4	1	**2B-2695**	2	BOLT (5/16-18X0.875-IN)	
	5	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	



FRONT VIEW

GRAPHIC #1 **<END>** g01185948

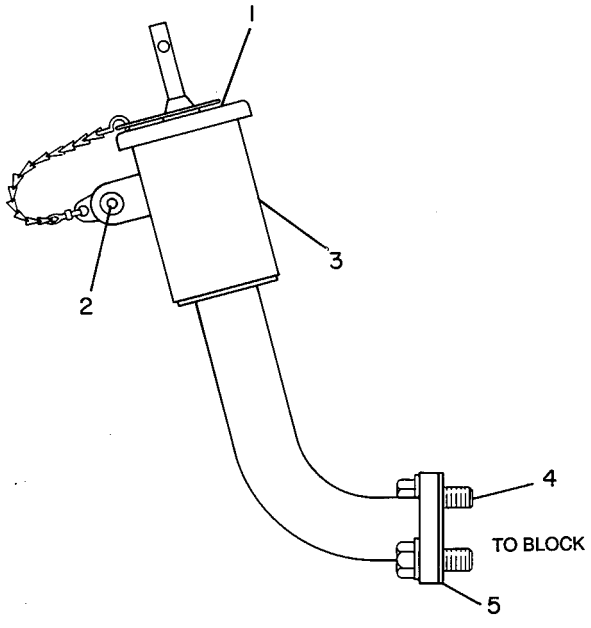
6N-1016 FILLER GP-ENGINE OIL

RIGHT HAND
AN ATTACHMENT

SMCS-1316 **i02454083**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**6N-2985**	1	CAP AS-FILLER (ENGINE OIL)	
	2	1	**9M-5732**	1	RIVET-POP	
	3	1	**6N-1015**	1	FILLER AS (ENGINE OIL)	
	4	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
		1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
C	5	1	**4N-0699**	1	GASKET	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00138983

LUBRICATION SYSTEM

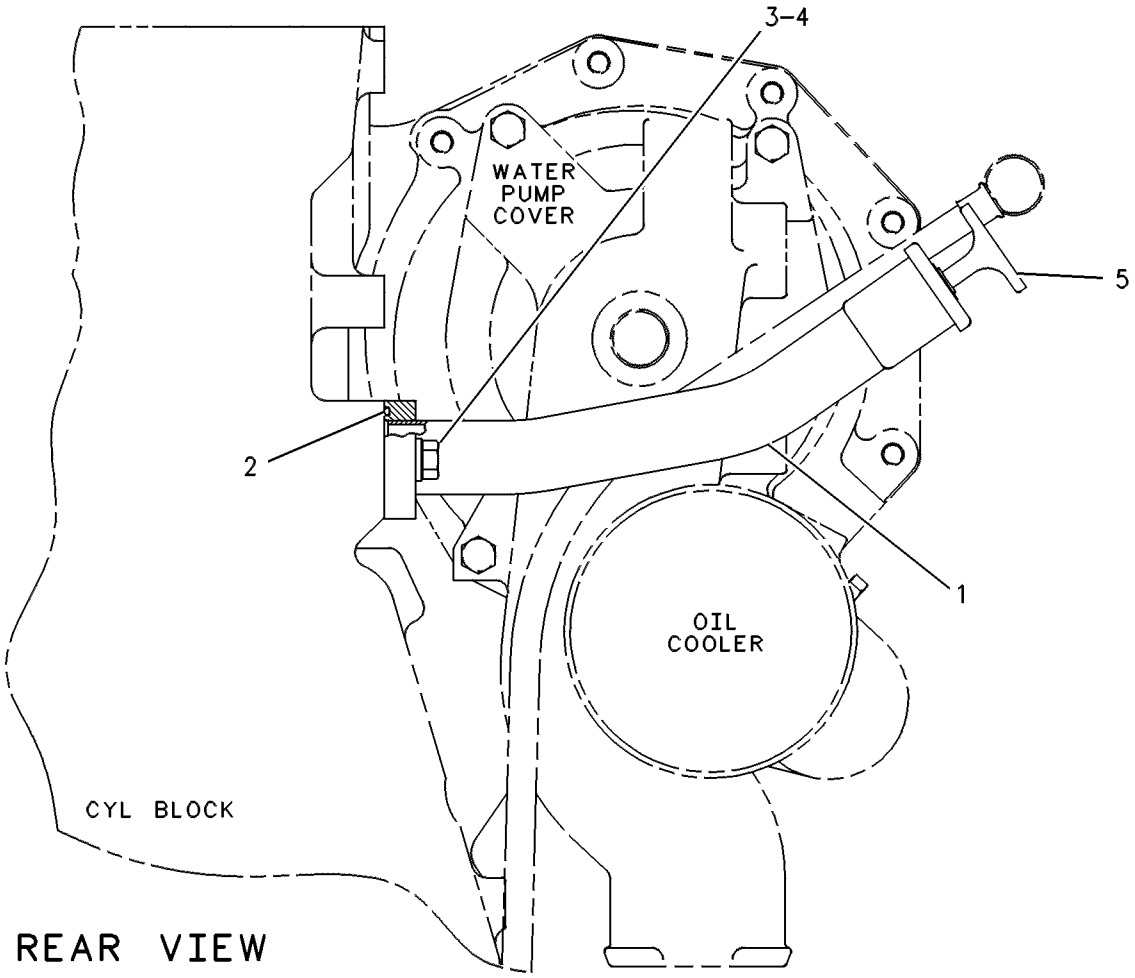
110-8876 FILLER GP-ENGINE OIL

RH MOUNTED

AN ATTACHMENT

SMCS-1316 **i01937106**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**103-4699**	1	TUBE AS-OIL FILLER	
	2	1	**8C-0624**	1	SEAL-O-RING	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	5	1	**9L-8439**	1	CAP-OIL FILLER (ENGINE)	



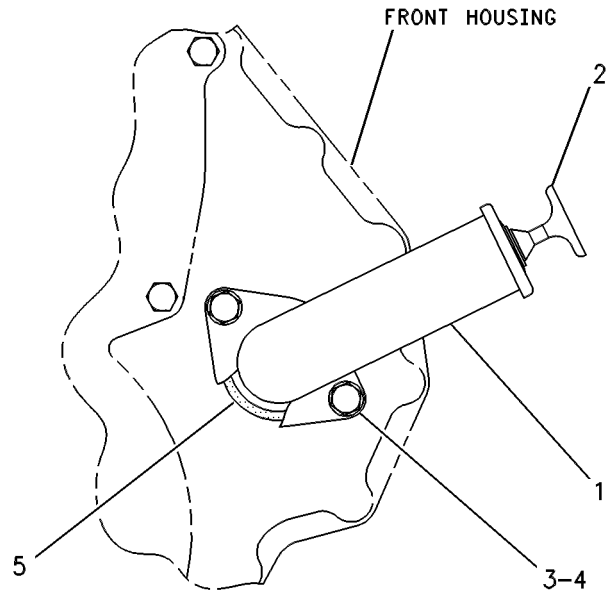
GRAPHIC #1 **<END>** g00238153

131-0118 FILLER GP-ENGINE OIL

FOR USE WITH LH SERVICE
AN ATTACHMENT

SMCS-1316 **i01905246**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**156-6905**	1	TUBE AS-FILLER	
	2	1	**9L-8439**	1	CAP-OIL FILLER (ENGINE)	
	3	1	**2B-2695**	2	BOLT (5/16-18X0.875-IN)	
	4	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	5	1	**061-9455**	1	SEAL-O-RING	



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00257261

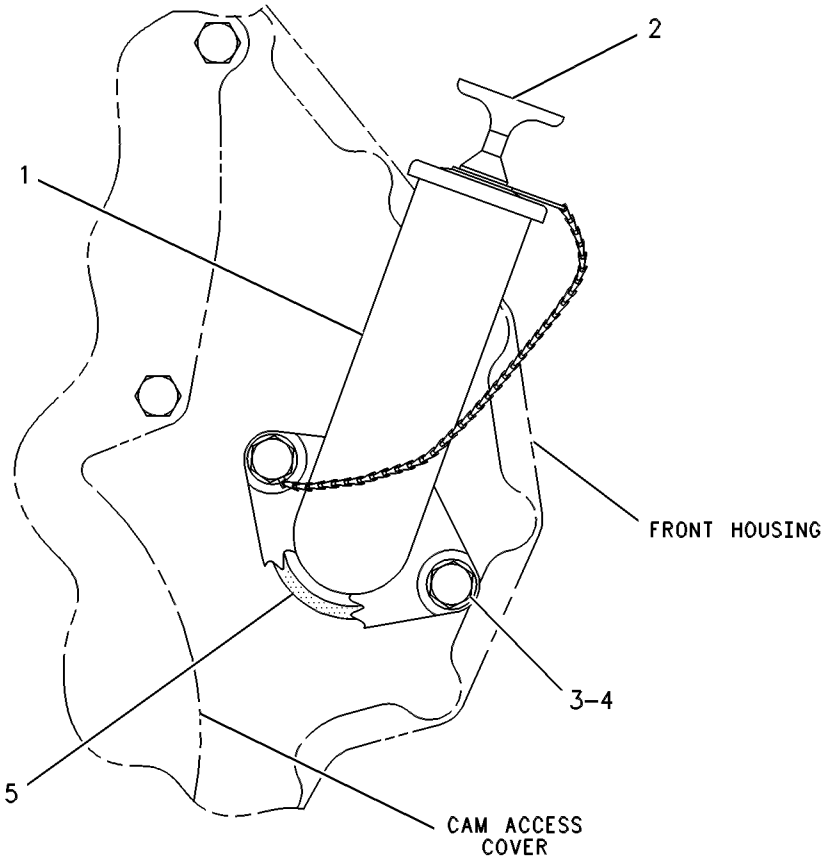
133-6353 FILLER GP-ENGINE OIL

PROVIDES LEFT HAND FRONT STEEL TUBE OIL FILLER MOUNTED ON THE FRONT HOUSING,
PROVIDES OIL FILLER CAP WITH CHAIN
AN ATTACHMENT

SMCS-1316 **i03064320**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**264-4289**	1	TUBE-OIL FILLER (ENGINE)	
	2	1	**241-5645**	1	CAP AS-ENGINE OIL FILLER	
	3	1	**2B-2695**	2	BOLT (5/16-18X0.875-IN)	
	4	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	5	1	**061-9455**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE



LEFT SIDE VIEW

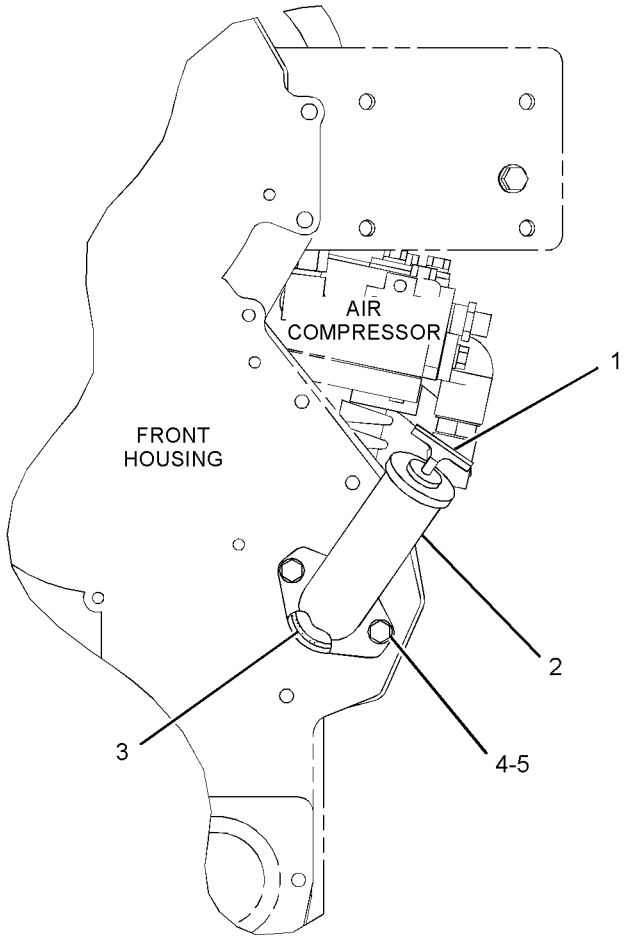
GRAPHIC #1 **<END>** g00260205

171-2094 FILLER GP-ENGINE OIL

TIMING GEAR COVER MOUNTED
FOR USE WITH OR WITHOUT SOUND SUPPRESSION PANELS
AN ATTACHMENT

SMCS-1316 **i03075430**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**068-4497**	1	CAP-OIL FILLER (ENGINE)	
	2	1	**264-4288**	1	TUBE-OIL FILLER (ENGINE)	
	3	1	**061-9455**	1	SEAL-O-RING	
	4	1	**2B-2695**	2	BOLT (5/16-18X0.875-IN)	
	5	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	



FRONT VIEW OF ENGINE

GRAPHIC #1

<END>

g01563258

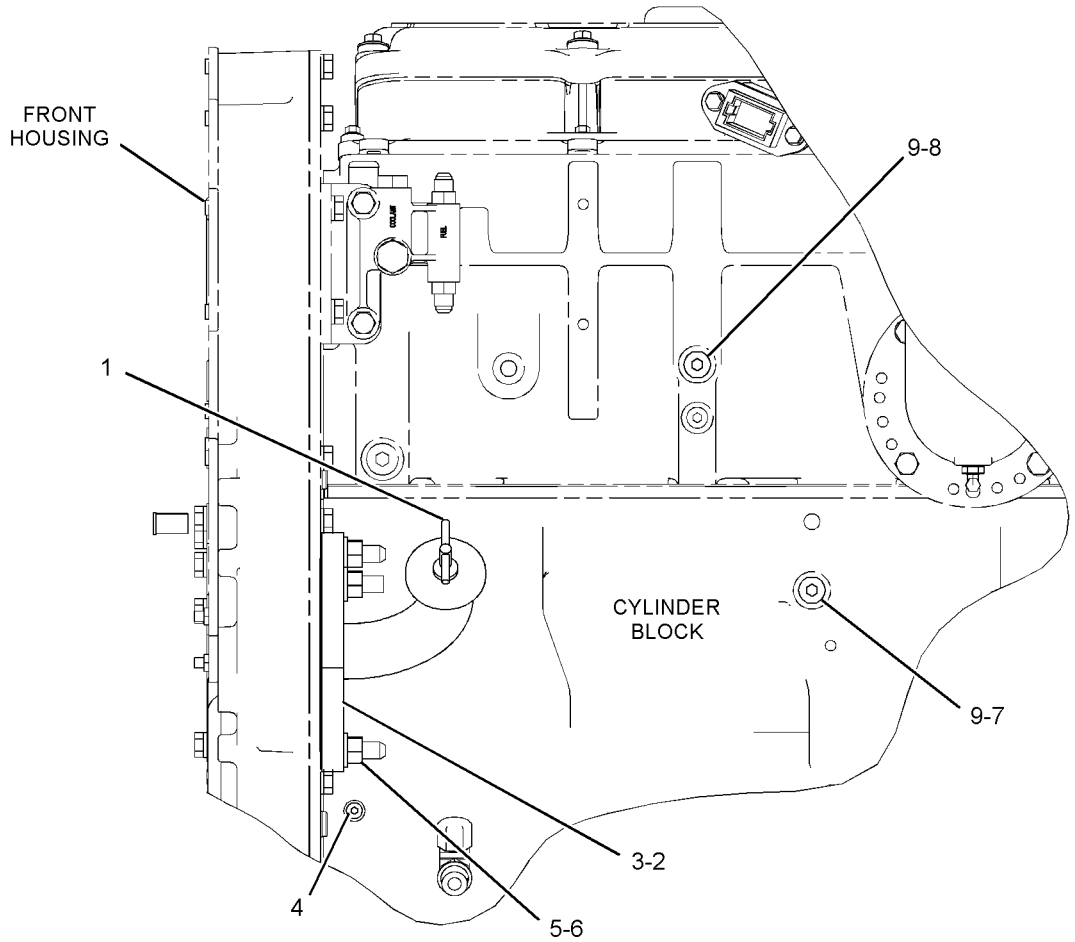
LUBRICATION SYSTEM

269-8293 FILLER GP-ENGINE OIL

LEFT HAND SIDE OIL FILLER INSTALLED ON THE BACK OF THE ENGINE FRONT HOUSING
CANNOT BE USED WITH AIR COMPRESSOR OR HYDRAULIC PUMP DRIVE
AN ATTACHMENT

SMCS-1316 **i02390312**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-2952**	1	CAP AS-FILLER (ENGINE OIL)	
		1	**6L-2609**	1	SEAL-RUBBER	
	2	1	**129-2181**	1	SEAL-INTEGRAL	
	3	1	**271-8575**	1	TUBE AS (OIL FILL)	
	4	1	*183-3409*	1	PLUG AS	
		1	**9S-8002**	1	PLUG-O-RING	
		1	**033-5853**	1	SEAL-O-RING	
	5	1	**1F-7958**	3	NUT-FULL (1/2-13-THD)	
	6	1	**5P-8245**	3	WASHER-HARD (13.5X25.5X3-MM THK)	
	7	1	**6V-6609**	1	SEAL-O-RING	
	8	1	**8L-2786**	1	SEAL-O-RING	
	9	1	**9S-8005**	2	PLUG-O-RING	



LEFT SIDE VIEW

GRAPHIC #1

<END>

g01154020

LUBRICATION SYSTEM

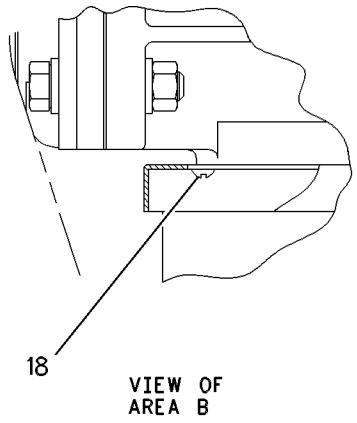
114-1922 FILTER GP-ENGINE OIL

REMOTE MOUNTED OIL FILTER BASE
CANNOT BE USED WITH BRAKESAVER
AN ATTACHMENT

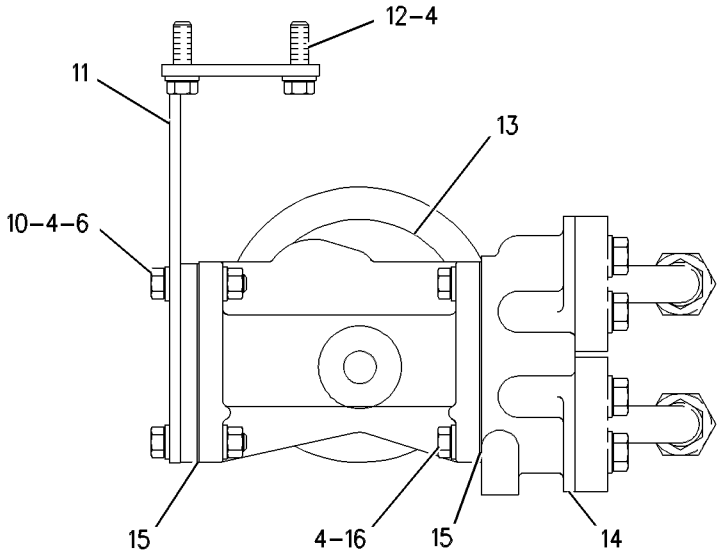
SMCS-1306, 1308 **i03688469**

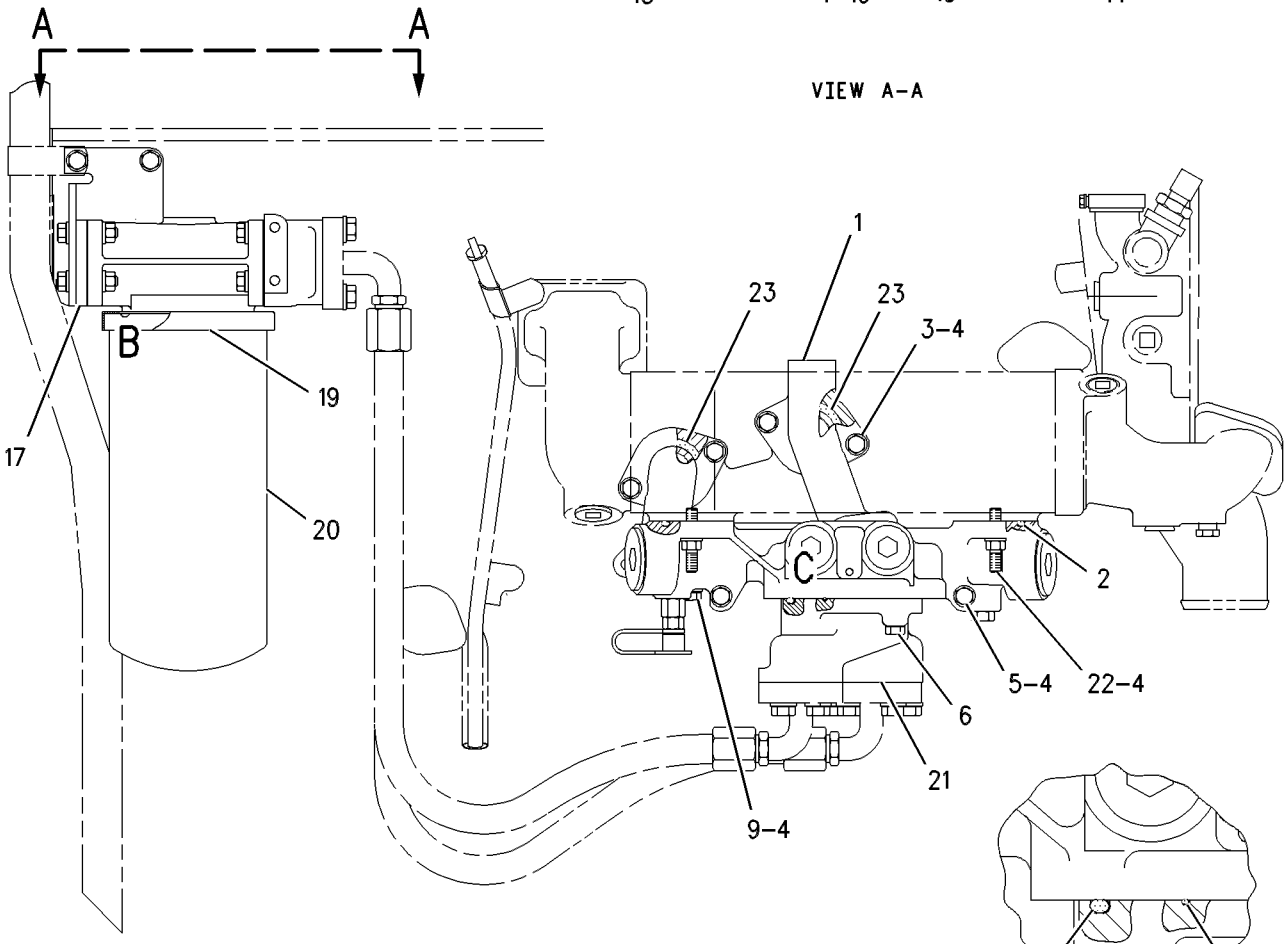
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*155-5005*	1	BASE GP-OIL FILTER (ENGINE)	417
	2	1	**3P-0650**	2	SEAL-O-RING	
	3	1	**1A-2029**	4	BOLT (3/8-16X1.125-IN)	
	4	1	**5M-2894**	21	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**0S-1608**	2	BOLT (3/8-16X3.75-IN)	
	6	1	**0S-1571**	6	BOLT (3/8-16X1.75-IN)	
	7	1	**5E-8767**	1	SEAL-O-RING (44.17-MM ID)	
	8	1	**6V-3908**	1	SEAL-O-RING (100.97-MM ID)	
	9	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	10	1	**9S-8752**	4	NUT-FULL (3/8-16-THD)	
	11	1	**156-5340**	1	BRACKET	
	12	1	**0L-1351**	3	BOLT (3/8-16X0.875-IN)	
	13	1	**2P-4303**	1	BASE AS-OIL FILTER (ENGINE)	
		1	**2P-4304**	1	STUD-HOLLOW	
	14	1	**9N-0477**	1	ADAPTER-OIL FILTER	
	15	1	**2P-4305**	2	GASKET	
	16	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	17	1	**9L-5717**	1	COVER-BASE	
	18	1	**7F-9090**	2	SCREW-DRIVE (8X0.375-IN)	
	19	1	**4N-7082**	1	SHIELD-OIL FILTER	
	20	1	**1R-0716**	1	FILTER AS-ENGINE OIL (STANDARD EFFICIENCY)	
	21	1	**4N-2211**	1	ADAPTER	
	22	1	**129-3172**	2	STUD-MOUNTING (3/8-16X1.564-IN)	
	23	1	**8C-5230**	2	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



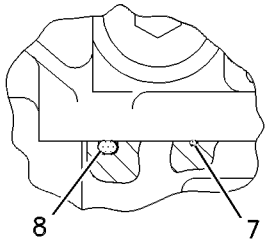
VIEW OF
AREA B





VIEW A-A

RIGHT SIDE VIEW



VIEW OF
AREA C

GRAPHIC #1 **<END>** g00600539

LUBRICATION SYSTEM

122-1517 FILTER GP-ENGINE OIL

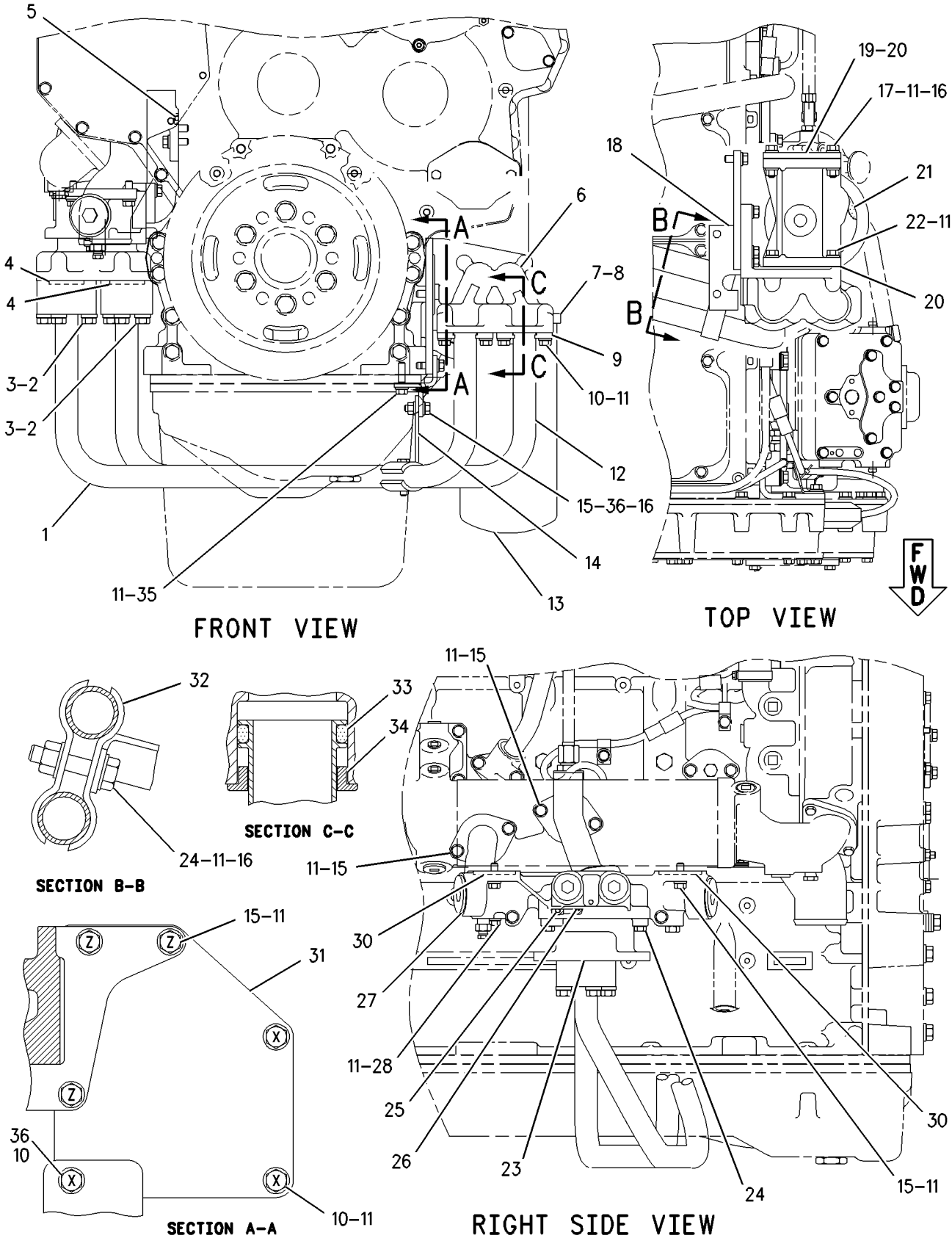
REMOTE MOUNTED LH
AN ATTACHMENT

SMCS-1306, 1308 **i03026980**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**121-6165**	1	TUBE AS	
	2	1	**1D-4707**	8	BOLT (7/16-14X2.25-IN)	
	3	1	**4S-9191**	8	WASHER (12X22.5X5-MM THK)	
	4	1	**1P-3704**	2	SEAL-RECTANGULAR	
	5	1	**8C-5230**	2	SEAL-O-RING	
	6	1	**1W-7385**	1	ADAPTER-FILTER BASE	
	7	1	**4N-7082**	1	SHIELD-OIL FILTER	
	8	1	**7F-9090**	2	SCREW-DRIVE (8X0.375-IN)	
	9	1	**8N-5872**	4	RETAINER	
	10	1	**0S-1594**	7	BOLT (3/8-16X1-IN)	
	11	1	**5M-2894**	33	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	12	1	**121-6164**	1	TUBE AS	
	13	1	**1R-1808**	1	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	
	14	1	**4M-0893**	1	SUPPORT	
	15	1	**1A-2029**	10	BOLT (3/8-16X1.125-IN)	
	16	1	**9S-8752**	6	NUT-FULL (3/8-16-THD)	
	17	1	**0S-1591**	4	BOLT (3/8-16X1.5-IN)	
	18	1	**151-0962**	1	BRACKET	
	19	1	**9L-5717**	1	COVER-BASE	
	20	1	**2P-4305**	2	GASKET	
	21	1	**2P-4303**	1	BASE AS-OIL FILTER	
		1	**2P-4304**	1	STUD-HOLLOW	
	22	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	23	1	**4N-2211**	1	ADAPTER	
	24	1	**0S-1571**	3	BOLT (3/8-16X1.75-IN)	
	25	1	**5E-8767**	1	SEAL-O-RING	
	26	1	**109-0077**	1	SEAL-O-RING	
CY	27	1	*155-5005*	1	BASE GP-OIL FILTER	417
	28	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	30	1	**3P-0650**	2	SEAL-O-RING	
	31	1	**2W-7282**	1	PLATE	
	32	1	**8F-8398**	2	CLAMP	
	33	1	**4F-5607**	2	SEAL-O-RING	
	34	1	**1W-7020**	2	RING-RETAINING	
	35	1	**0S-1590**	2	BOLT (3/8-16X2-IN)	
	36	1	**9X-6458**	3	WASHER-HARD (10.2X22.5X3-MM THK)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

122-1517 **FILTER GP-ENGINE OIL** *(contd.)* **i03026980**



GRAPHIC #1 **<END>** g00985602

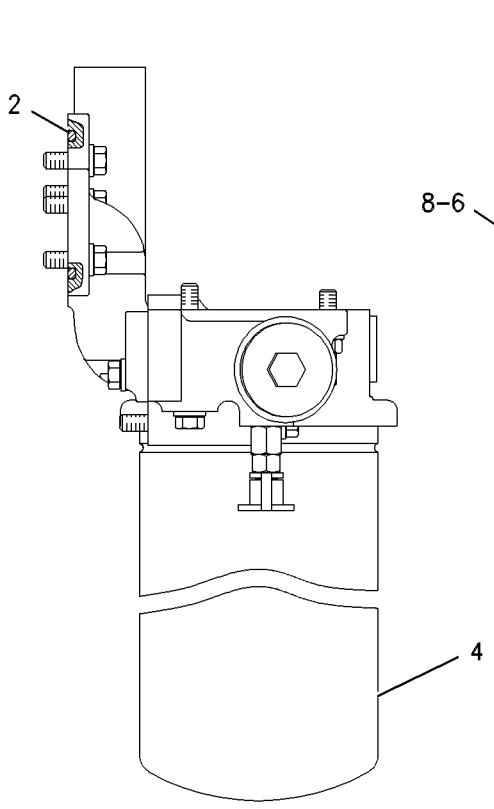
154-4325 FILTER GP-ENGINE OIL

CANNOT BE USED WITH BRAKESAVER
AN ATTACHMENT

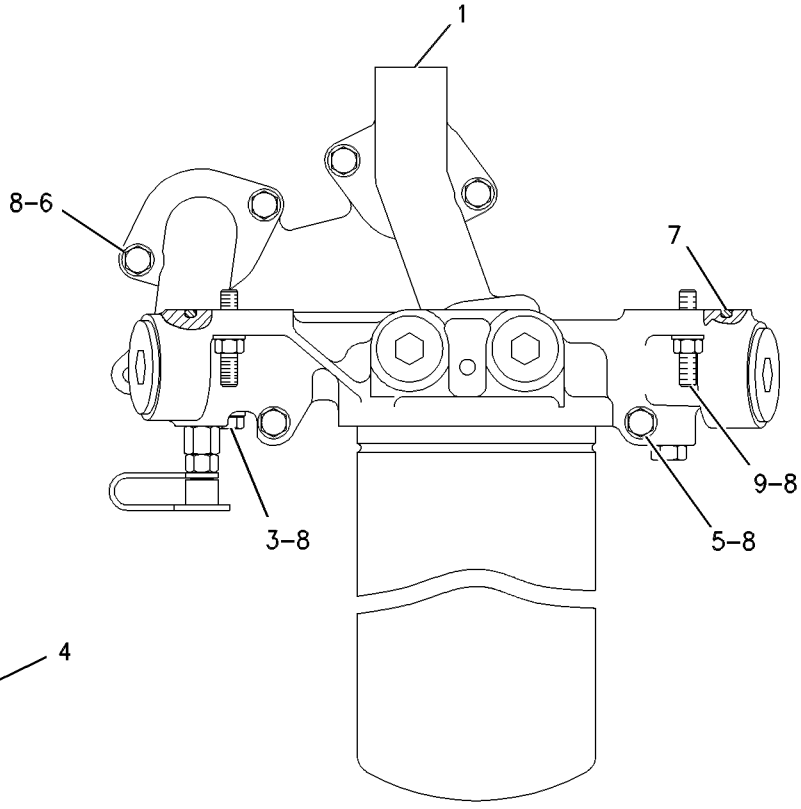
SMCS-1306, 1308 **i01950217**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*155-5005*	1	BASE GP-OIL FILTER	417
	2	1	**8C-5230**	2	SEAL-O-RING	
	3	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	4	1	**1R-0716**	1	FILTER AS-ENGINE OIL (STANDARD EFFICIENCY)	
	5	1	**0S-1608**	2	BOLT (3/8-16X3.75-IN)	
	6	1	**1A-2029**	4	BOLT (3/8-16X1.125-IN)	
	7	1	**3P-0650**	2	SEAL-O-RING	
	8	1	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	9	1	**129-3172**	2	STUD-MOUNTING (3/8-16X1.564-IN)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00434680

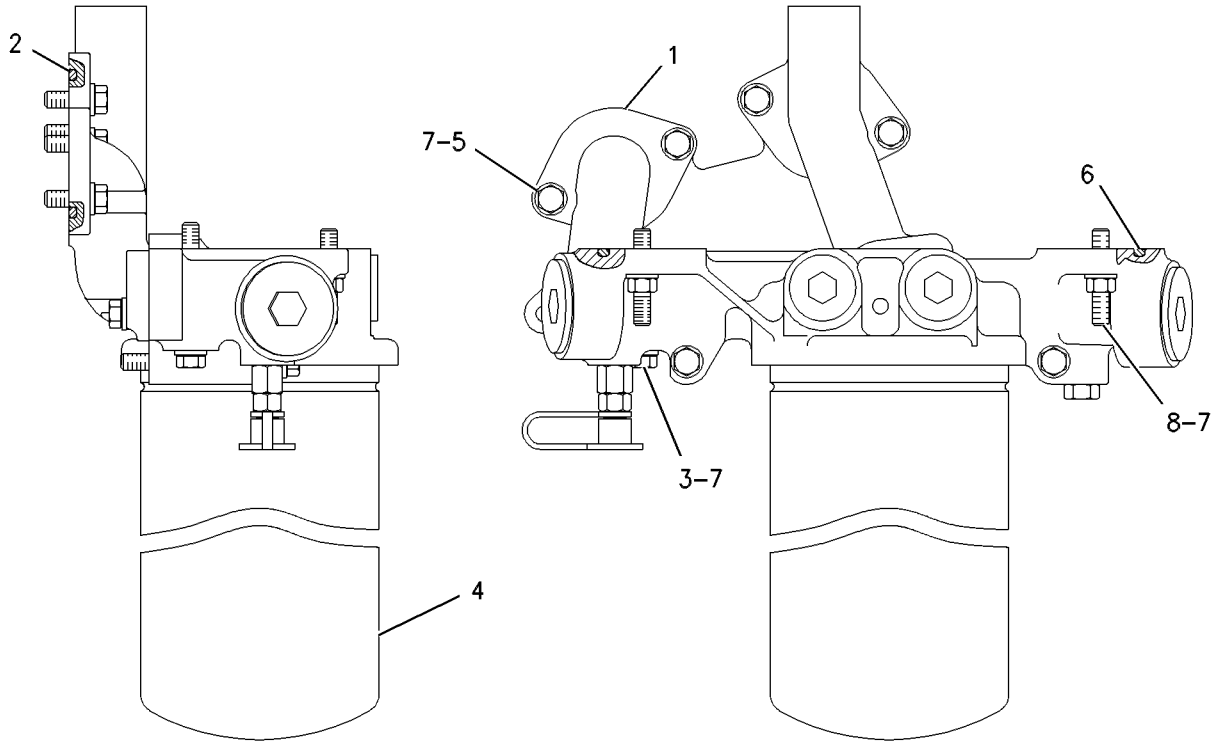
170-1282 FILTER GP-ENGINE OIL

AN ATTACHMENT

SMCS-1306, 1308 **i03027000**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*155-5005*	1	BASE GP-OIL FILTER	417
	2	1	**8C-5230**	2	SEAL-O-RING	
	3	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	4	1	**1R-1808**	1	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	
	5	1	**1A-2029**	4	BOLT (3/8-16X1.125-IN)	
	6	1	**3P-0650**	2	SEAL-O-RING	
	7	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	8	1	**129-3172**	2	STUD-MOUNTING (3/8-16X1.564-IN)	

Y-SEPARATE ILLUSTRATION



REAR VIEW RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00544109

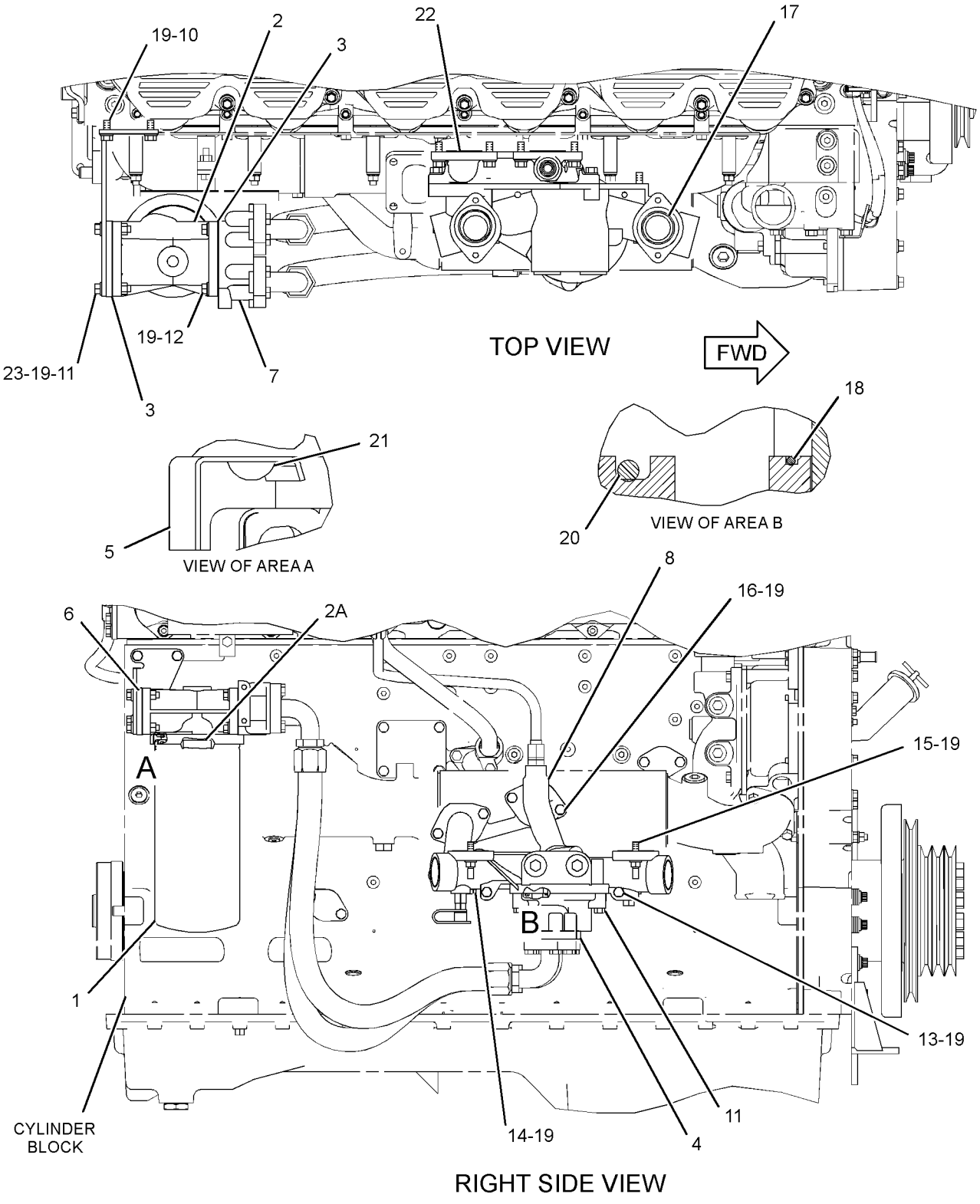
263-2186 FILTER GP-ENGINE OIL

FOR USE WITH OIL LINES GROUP. CANNOT BE USED WITH REAR PTO, AIR CLEANER GROUP, RIGHT HAND STARTER
AN ATTACHMENT

SMCS-1306, 1308 **i03206321**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1R-1808**	1	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	
	2	1	**2P-4303**	1	BASE AS-OIL FILTER	
	2A	1	**2P-4304**	1	STUD-HOLLOW	
	3	1	**2P-4305**	2	GASKET	
	4	1	**4N-2211**	1	ADAPTER	
	5	1	**4N-7082**	1	SHIELD-OIL FILTER	
	6	1	**9L-5717**	1	COVER-BASE	
	7	1	**9N-0477**	1	ADAPTER-OIL FILTER	
Y	8	1	*155-5005*	1	BASE GP-OIL FILTER	417
	10	1	**0L-1351**	3	BOLT (3/8-16X0.875-IN)	
	11	1	**0S-1571**	6	BOLT (3/8-16X1.75-IN)	
	12	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	13	1	**0S-1608**	2	BOLT (3/8-16X3.75-IN)	
	14	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	15	1	**129-3172**	2	STUD-MOUNTING (3/8-16X1.564-IN)	
	16	1	**1A-2029**	4	BOLT (3/8-16X1.125-IN)	
	17	1	**3P-0650**	2	SEAL-O-RING	
	18	1	**5E-8767**	1	SEAL-O-RING	
	19	1	**5M-2894**	21	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	20	1	**6V-3908**	1	SEAL-O-RING	
	21	1	**7F-9090**	2	SCREW-DRIVE (8X0.375-IN)	
	22	1	**8C-5230**	2	SEAL-O-RING	
	23	1	**9S-8752**	4	NUT-FULL (3/8-16-THD)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01163310

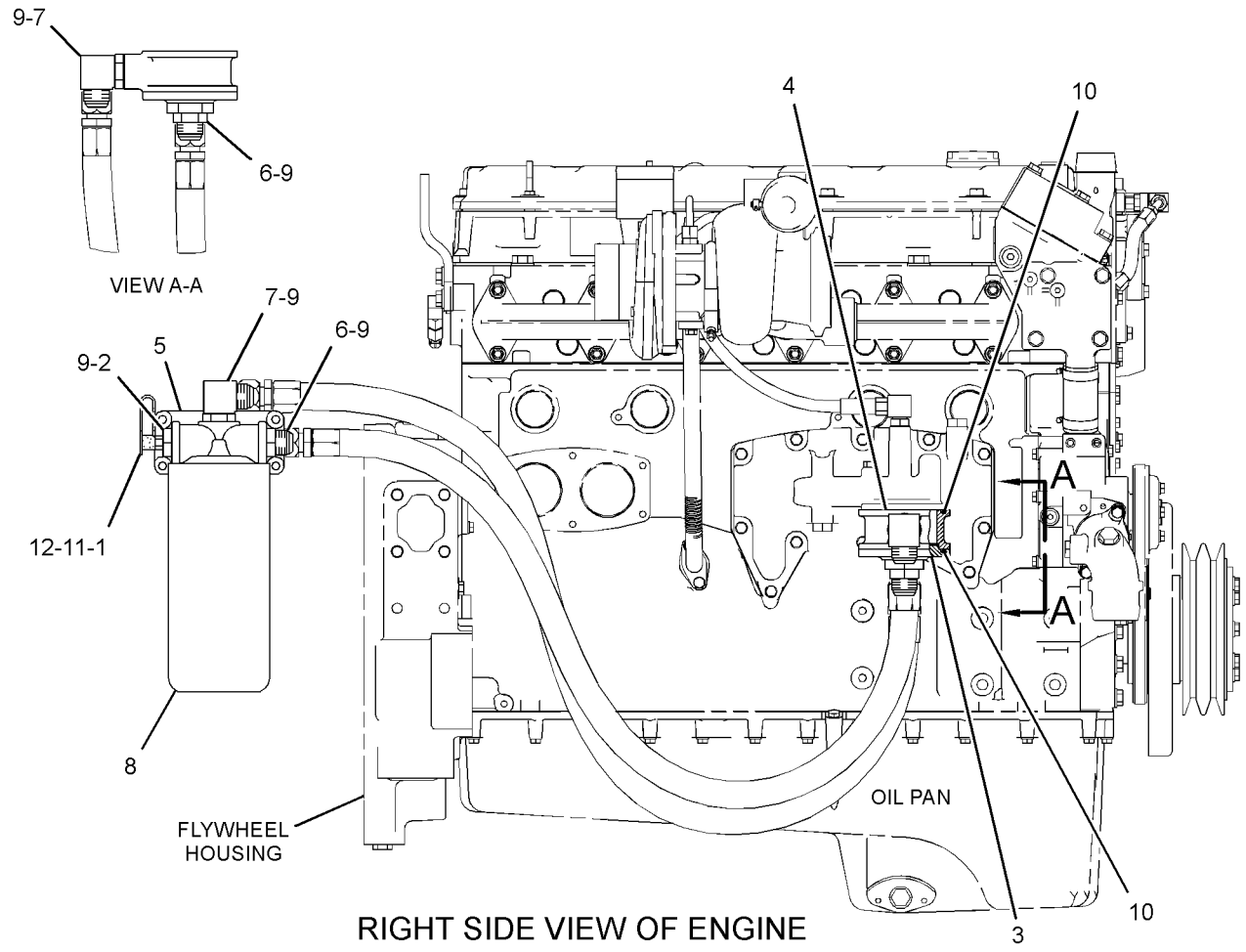
269-6439 FILTER GP-ENGINE OIL

PROVIDES A REMOTE MOUNTED ENGINE OIL FILTER

AN ATTACHMENT

SMCS-1306, 1308 **i03007275**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8C-3445**	1	CAP-DUST	
	2	1	**8D-8428**	1	ADAPTER	
	3	1	**102-5828**	1	COVER	
	4	1	**102-5829**	1	ADAPTER	
	5	1	**190-1106**	1	BASE AS-OIL FILTER (ENGINE)	
		1	**2P-4304**	1	STUD-HOLLOW	
	6	1	**030-7935**	2	CONNECTOR	
	7	1	**030-7951**	2	ELBOW-FLARED	
	8	1	**1R-1808**	1	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	
	9	1	**5P-7701**	5	SEAL-O-RING	
	10	1	**6V-3908**	2	SEAL-O-RING	
	11	1	**6V-5048**	1	SEAL-O-RING	
	12	1	**8C-3446**	1	VALVE-FLUID SAMPLING (ENGINE OIL)	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01393688

LUBRICATION SYSTEM

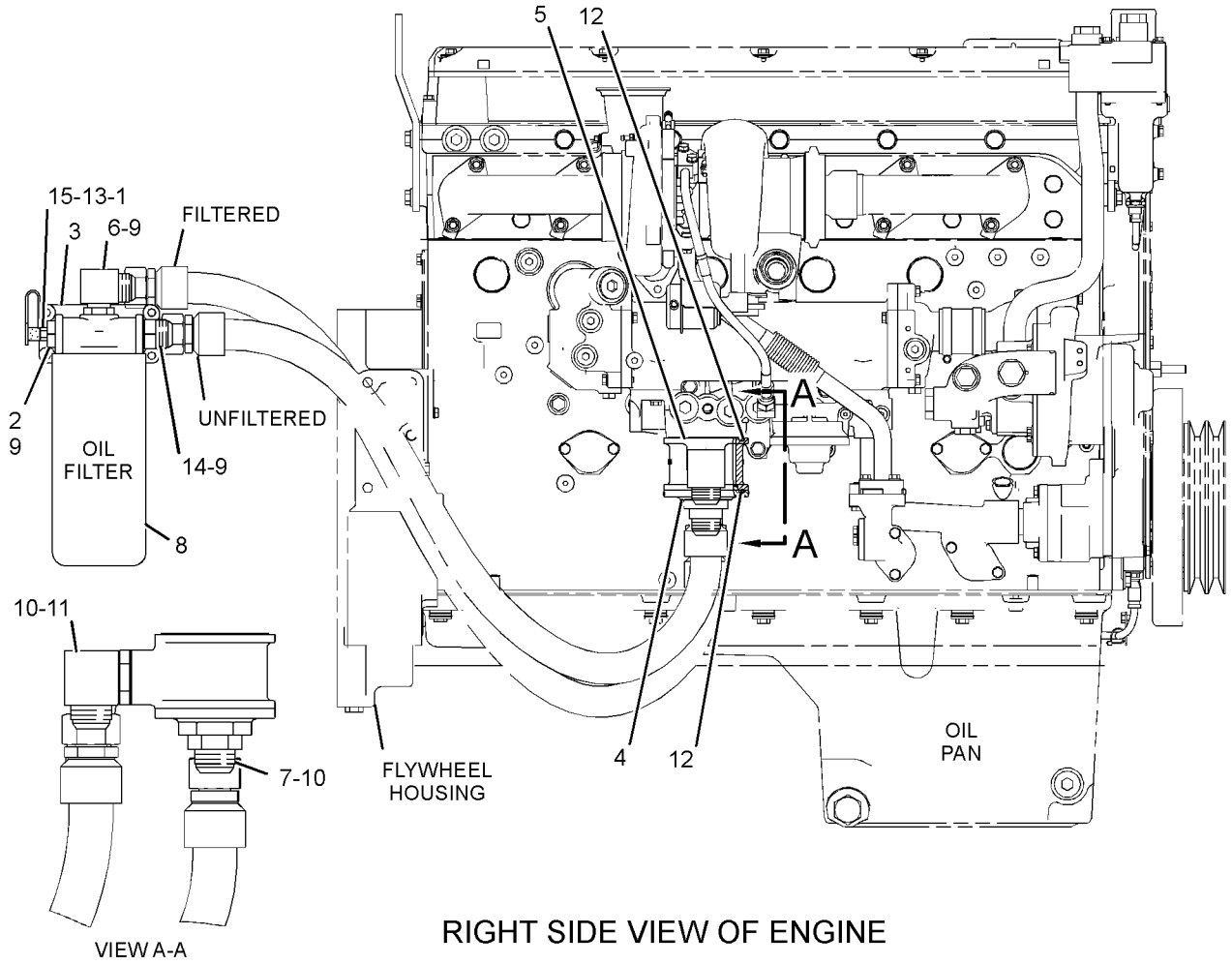
304-3733 FILTER GP-ENGINE OIL

REMOTE MOUNTED

AN ATTACHMENT

SMCS-1306, 1308 **i03206324**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8C-3445**	1	CAP-DUST	
	2	1	**8D-8428**	1	ADAPTER	
	3	1	**190-1106**	1	BASE AS-OIL FILTER	
		1	**2P-4304**	1	STUD-HOLLOW	
	4	1	**316-1807**	1	COVER	
	5	1	**292-8185**	1	ADAPTER	
	6	1	**008-6325**	1	ELBOW	
	7	1	**031-8759**	1	CONNECTOR	
	8	1	**1R-1808**	1	FILTER-ENGINE OIL (ADVANCED EFFICIENCY)	
	9	1	**5P-7701**	3	SEAL-O-RING	
	10	1	**5P-7815**	2	SEAL-O-RING	
	11	1	**6M-5652**	1	ELBOW	
	12	1	**6V-3908**	2	SEAL-O-RING	
	13	1	**6V-5048**	1	SEAL-O-RING	
	14	1	**7D-5318**	1	CONNECTOR	
	15	1	**8C-3446**	1	VALVE-FLUID SAMPLING (ENGINE OIL)	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

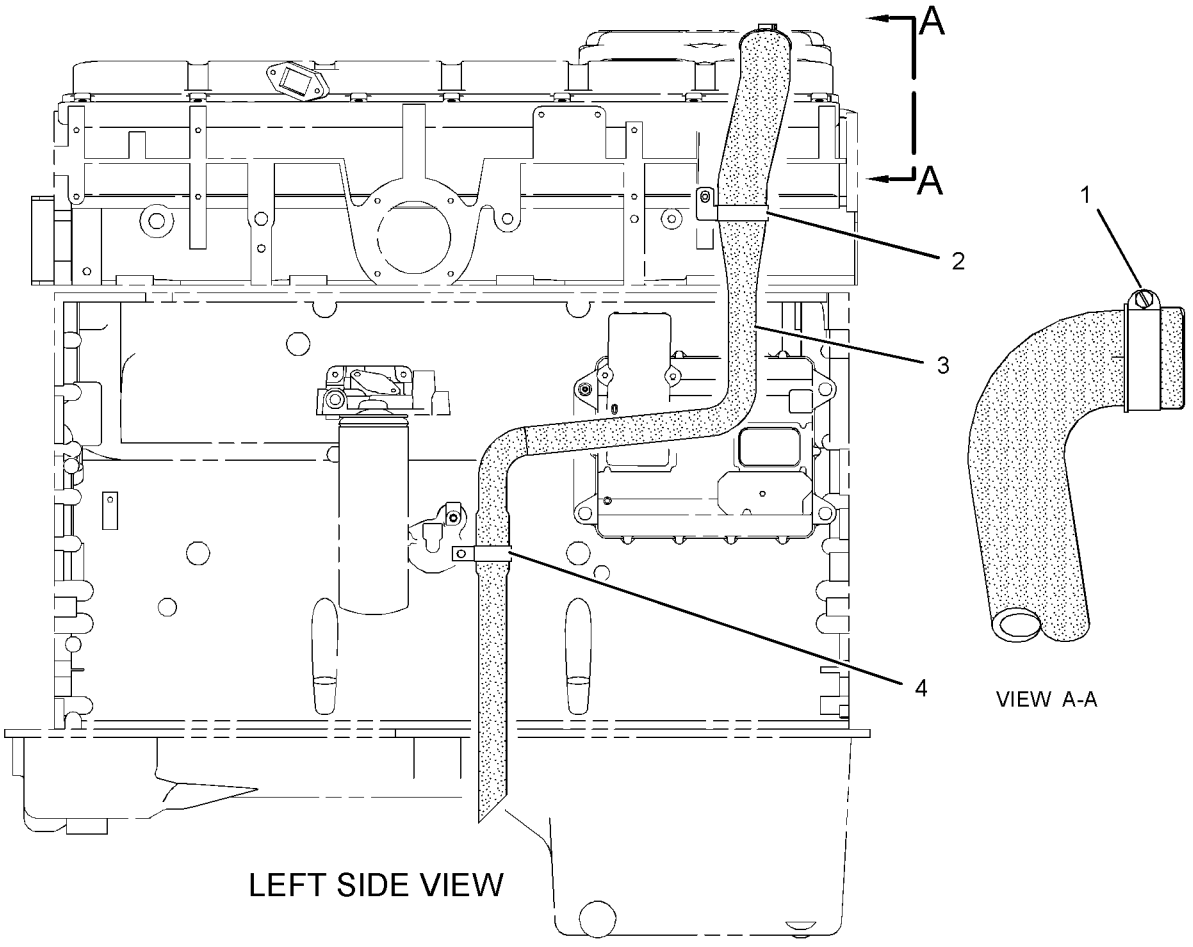
g01351011

159-9362 FUMES DISPOSAL GP

REAR VALVE COVER MOUNTED FUMES DISPOSAL
AN ATTACHMENT

SMCS-1317 **i03496900**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9M-0164**	1	CLAMP-HOSE	
	2	1	**161-6622**	1	CLIP	
	3	1	**207-8128**	1	HOSE AS (FUMES DISPOSAL)	
	4	1	**5P-2369**	1	CLIP	



GRAPHIC #1 **<END>** g01436024

LUBRICATION SYSTEM

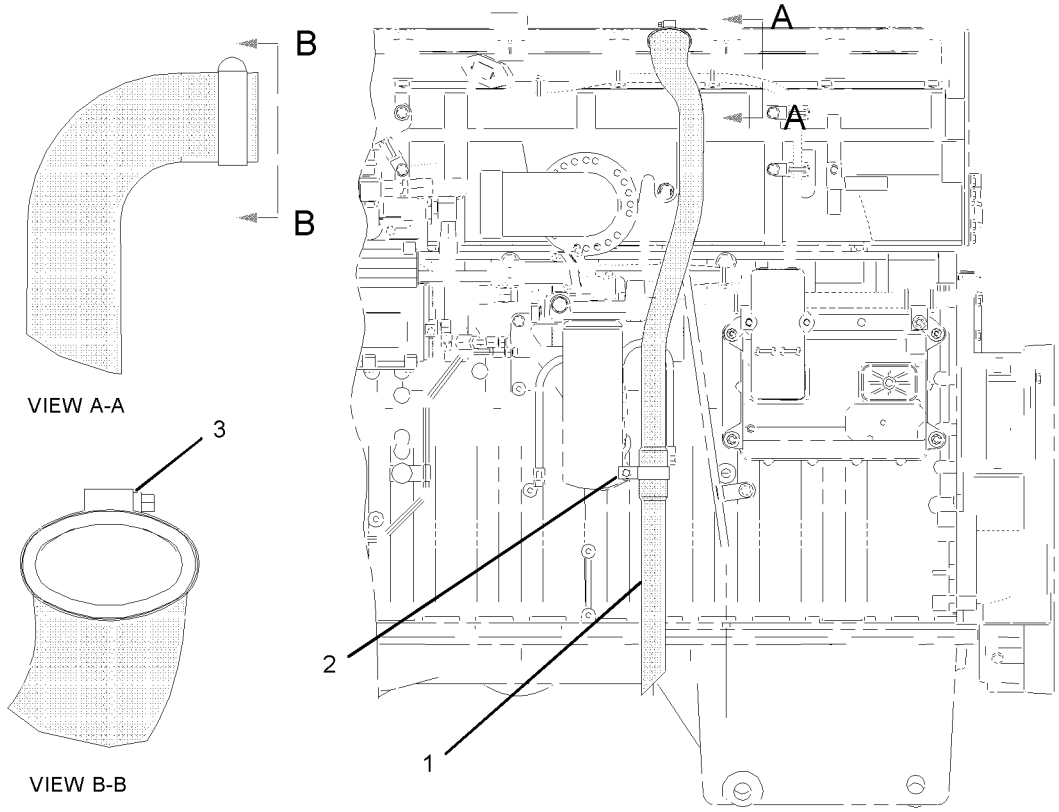
223-9784 FUMES DISPOSAL GP

LH MOUNTED

FOR USE WITH MIDDLE BREATHER LOCATION, ALL FUEL BYPASS LINES. CANNOT BE USED WITH HIGH MOUNTED FUEL FILTER, PETERBILT OEM WIRING HARNESS AN ATTACHMENT

SMCS-1317 **i02807700**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**207-8130**	1	HOSE AS (FUMES DISPOSAL)	
	2	1	**5P-2369**	1	CLIP	
	3	1	**9M-0164**	1	CLAMP-HOSE	



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01117339

LUBRICATION SYSTEM

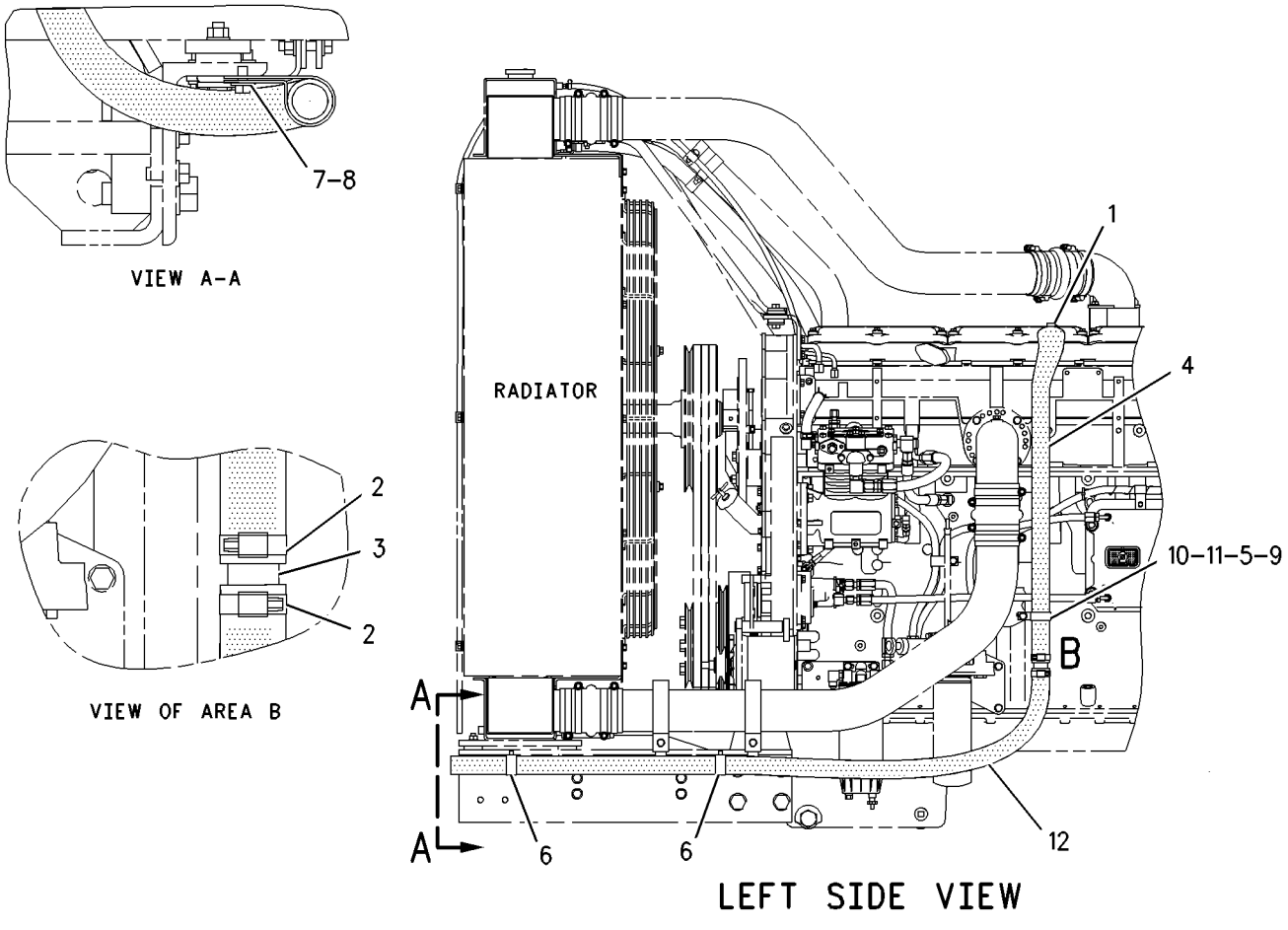
232-0771 FUMES DISPOSAL GP

AN ATTACHMENT

SMCS-1317 **i03114704**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9M-0164**	1	CLAMP-HOSE	
	2	1	**9M-2904**	2	CLAMP-HOSE	
	3	1	**165-4617**	1	TUBE	
	4	1	**232-0770**	1	HOSE (FUMES DISPOSAL)	
	5	1	**8R-8088**	1	SPACER (11.66X15.88X18-MM THK)	
	6	1	**3S-4661**	2	CLIP	
	7	1	**5M-3062**	2	BOLT (3/8-16X0.75-IN)	
	8	1	**5P-1075**	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	9	1	**5P-2369**	1	CLIP	
	10	1	**8T-2501**	1	BOLT (3/8-16X2-IN)	
	11	1	**8T-4896**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
E	12	1	**5P-1253**		HOSE (163 CM)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00984987

LUBRICATION SYSTEM

7W-3603 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

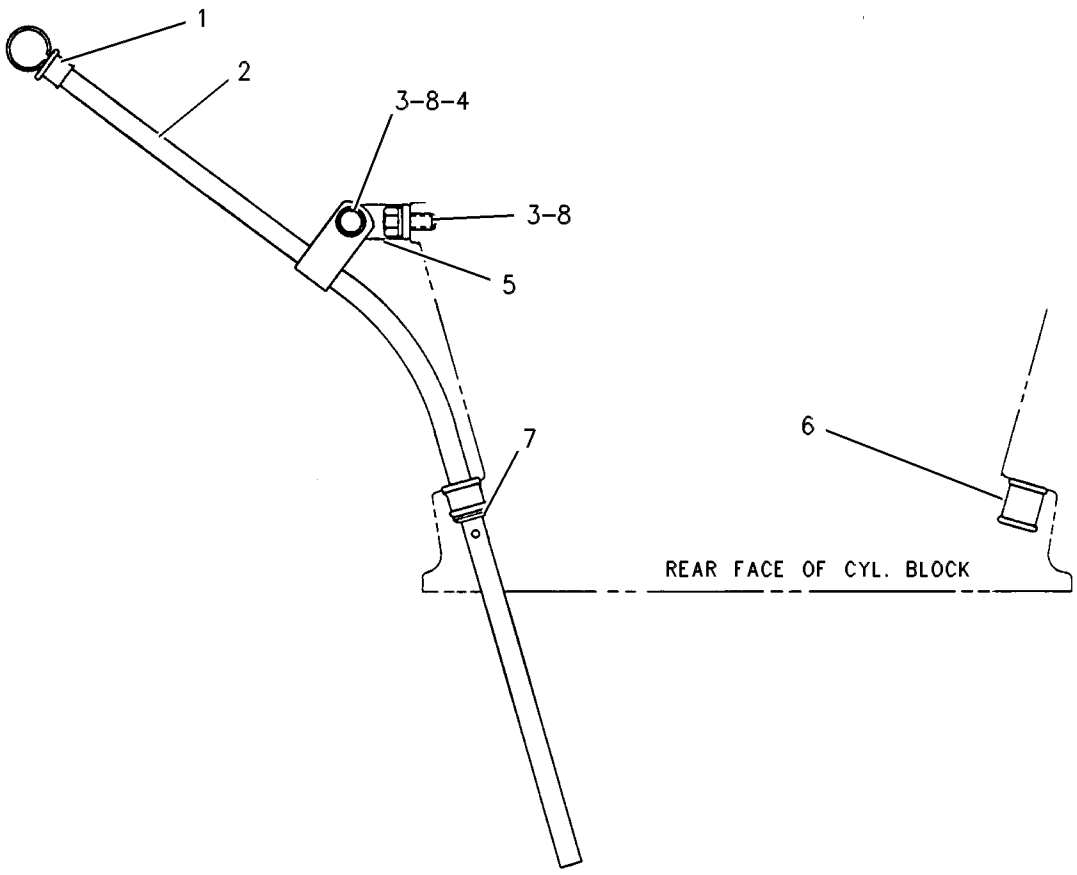
LH

AN ATTACHMENT

SMCS-1326 **i02863617**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-3602**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	2	1	**1N-3810**	1	GUIDE AS-OIL LEVEL GAUGE (DIPSTICK, ENGINE)	
		1	**4N-1294**	1	ADAPTER	
	3	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	4	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	5	1	**2L-6243**	1	BRACKET	
J	6	1	**165-6170**	3	PLUG	
	7	1	**118-5068**	1	SEAL-O-RING	
	8	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
F		1	**0S-1594**	1	BOLT (3/8-16X1-IN) (MOUNTED ON WATER BONNET)	

F-NOT SHOWN
J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g00256726

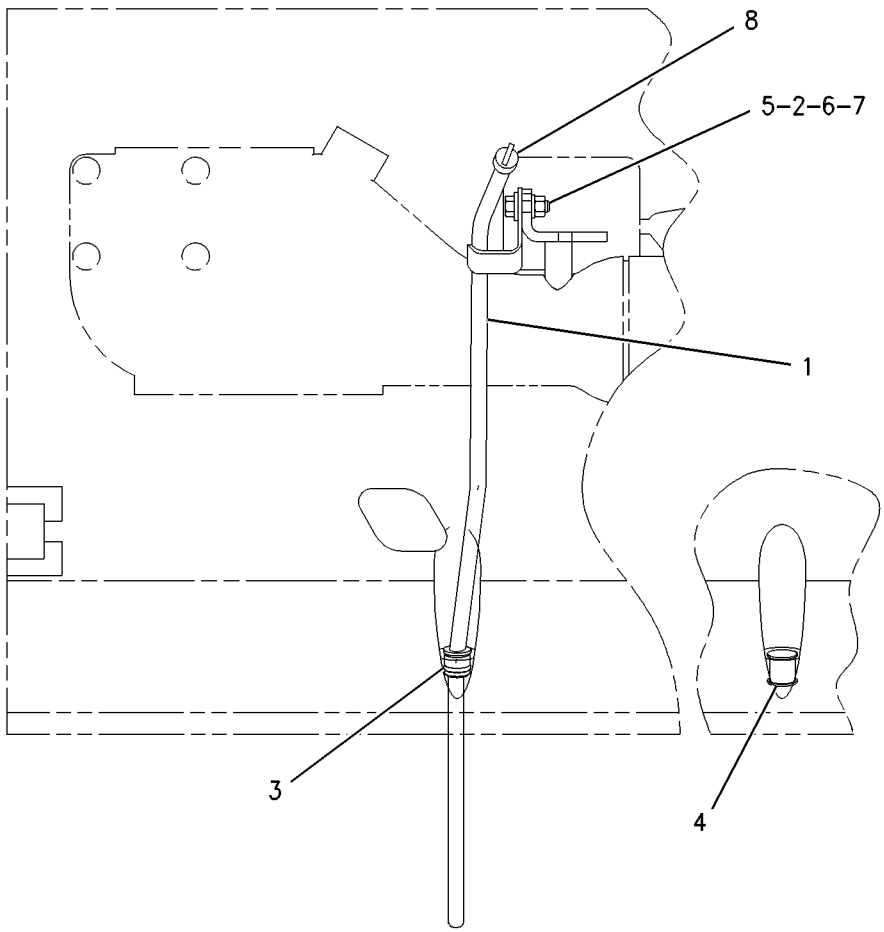
162-2918 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

FOR USE WITH REAR SUMP OIL PAN
AN ATTACHMENT

SMCS-1326 **i02508691**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**197-9589**	1	TUBE AS	
	2	1	**9X-6458**	1	WASHER-HARD (10.2X22.5X3-MM THK)	
	3	1	**118-5068**	1	SEAL-O-RING	
J	4	1	**165-6170**	3	PLUG	
	5	1	**1A-2029**	1	BOLT (3/8-16X1.125-IN)	
	6	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	7	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	8	1	**121-4276**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00538671

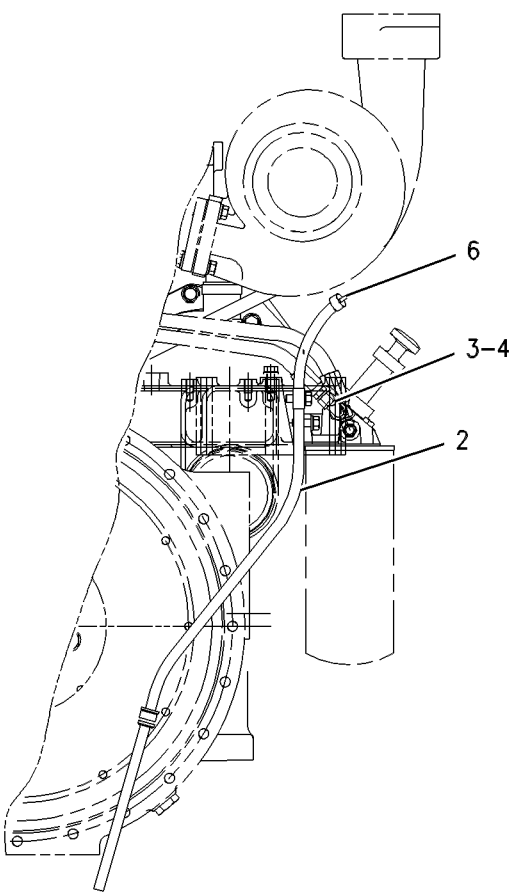
163-0107 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

FOR USE WITH VERTICAL TRANSMISSION OIL COOLER AND RH FUEL FILTER
AN ATTACHMENT

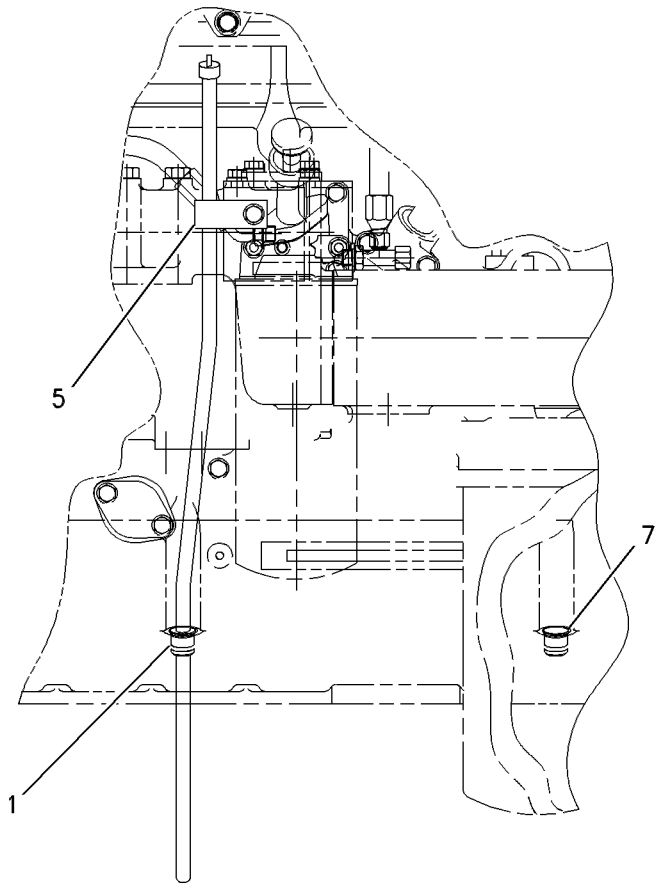
SMCS-1326 **i02508693**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**118-5068**	1	SEAL-O-RING	
	2	1	**163-0237**	1	TUBE AS	
	3	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	4	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**7B-7501**	1	CLIP	
	6	1	**163-0828**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
J	7	1	**165-6170**	3	PLUG	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00548623

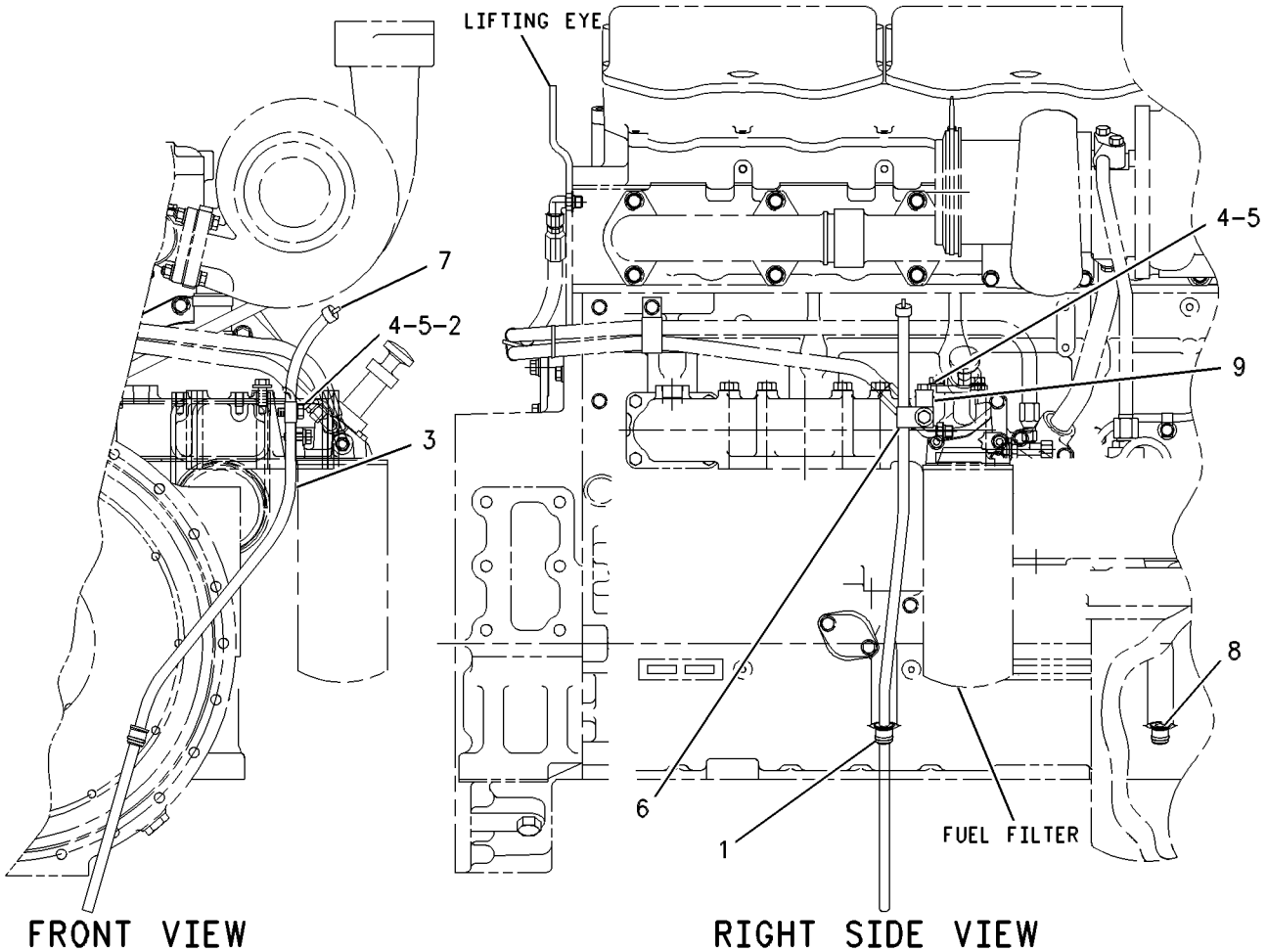
164-3326 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

FOR USE WITH VERTICAL TRANSMISSION OIL COOLER WITHOUT RH FUEL FILTER AN ATTACHMENT

SMCS-1326 **i02508694**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**118-5068**	1	SEAL-O-RING	
	2	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	3	1	**163-0237**	1	TUBE AS	
	4	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	5	1	**9X-6458**	3	WASHER-HARD (10.2X22.5X3-MM THK)	
	6	1	**5D-6523**	1	CLIP	
	7	1	**163-0828**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
J	8	1	**165-6170**	3	PLUG	
	9	1	**2N-3924**	1	BRACE	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g00579556

194-5285 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

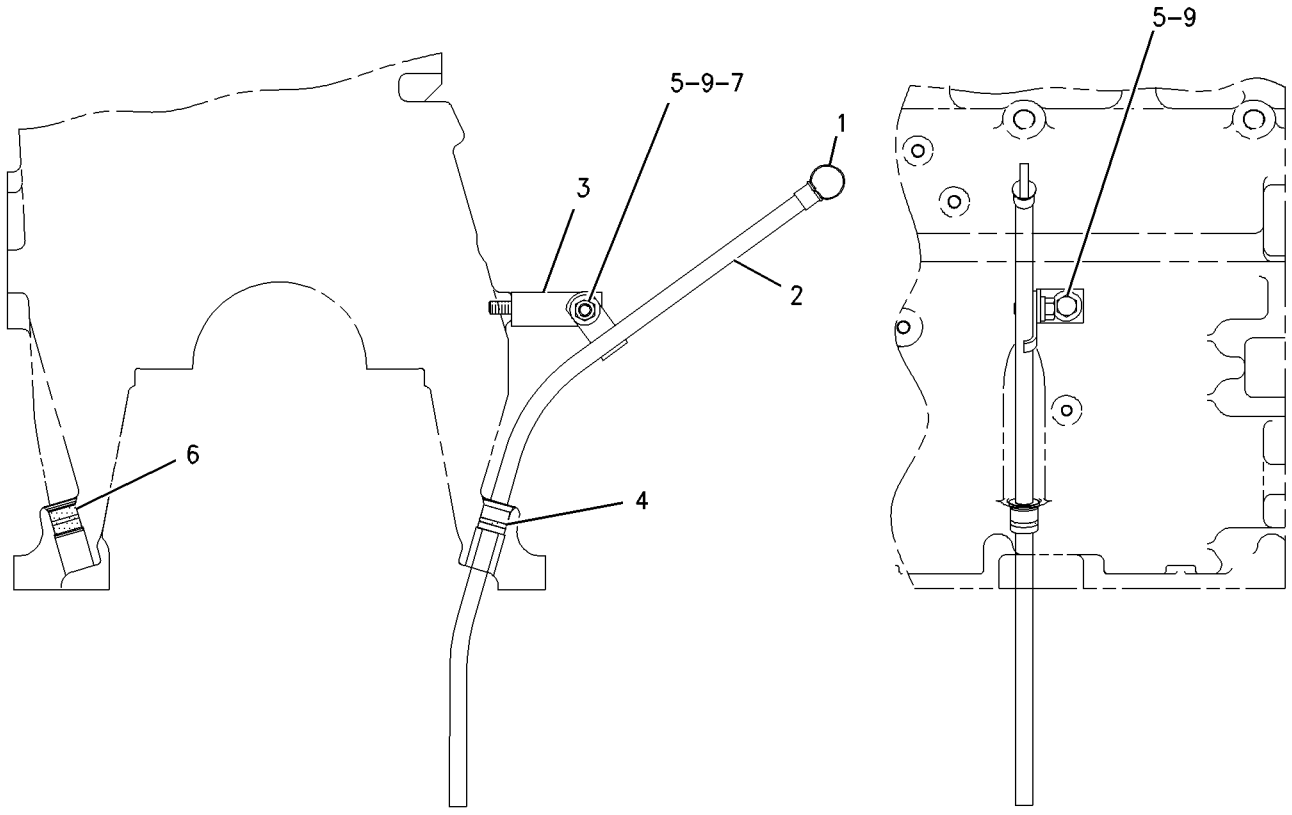
RH

AN ATTACHMENT

SMCS-1326 **i02422684**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-1667**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	2	1	**1N-3810**	1	GUIDE AS-OIL LEVEL GAUGE (ENGINE)	
	3	1	**194-5284**	1	BRACKET	
	4	1	**118-5068**	1	SEAL-O-RING	
	5	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
J	6	1	**165-6170**	3	PLUG	
	7	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	9	1	**9X-6458**	3	WASHER-HARD (10.2X22.5X3-MM THK)	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



REAR VIEW RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00671979

252-1059 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

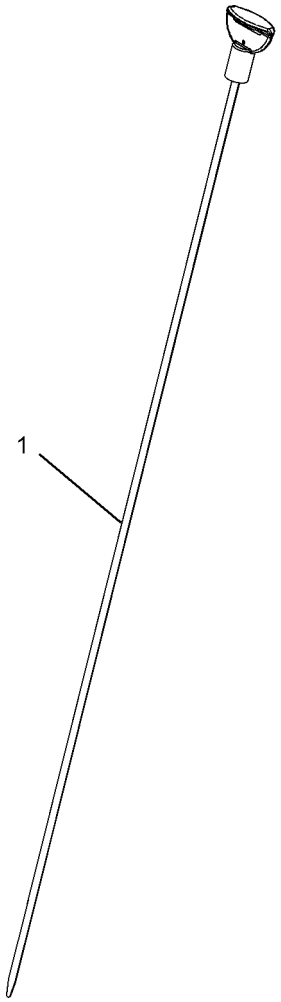
INSTALLED 0-DEGREE REAR DOWN

FOR USE WITH 211-7885—PAGE 454, REAR SUMP CONFIGURED ENGINE

AN ATTACHMENT

SMCS-1326 **i02229737**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**252-1055**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	



GRAPHIC #1 **<END>** g01126420

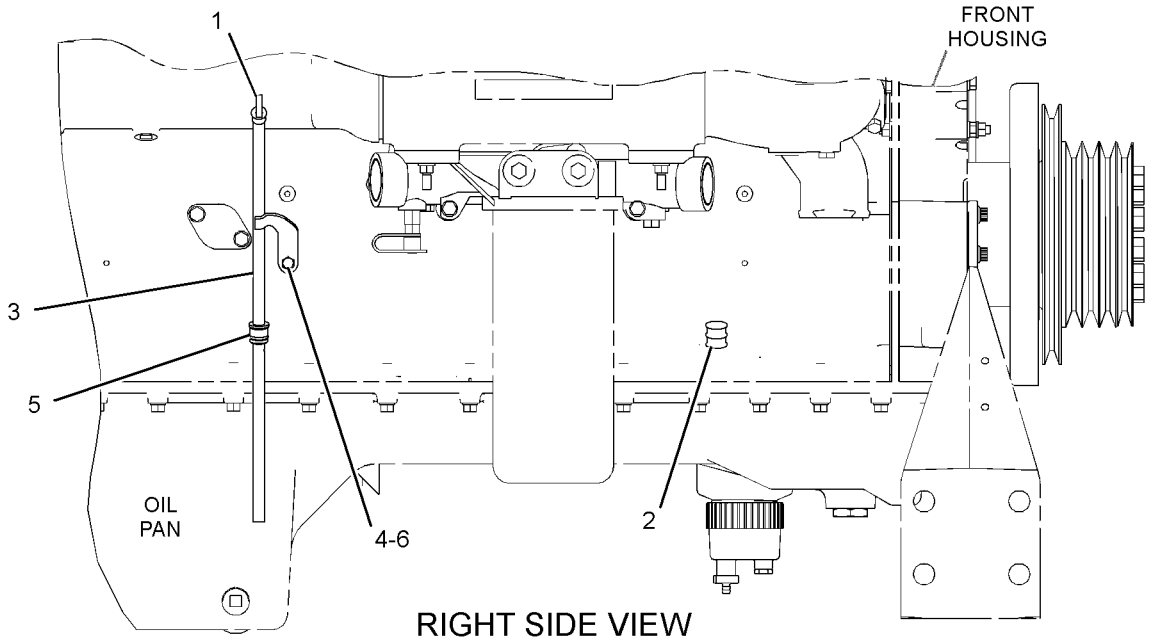
266-0769 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

FOR USE WITH SINGLE AND TWIN TURBO, REAR SUMP OIL PAN. CANNOT BE USED WITH RIGHT HAND STARTERS, HORIZONTAL TRANSMISSION OIL COOLER AN ATTACHMENT

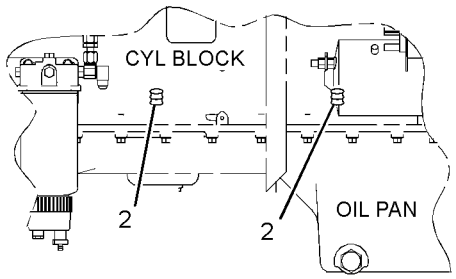
SMCS-1326 **i02422685**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-1667**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
J	2	1	**165-6170**	3	PLUG	
	3	1	**266-0770**	1	TUBE AS	
	4	1	**0S-1617**	1	BOLT (5/16-18X0.75-IN)	
	5	1	**118-5068**	1	SEAL-O-RING	
	6	1	**9M-1974**	1	WASHER-HARD (8.8X16X2-MM THK)	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



RIGHT SIDE VIEW



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01153913

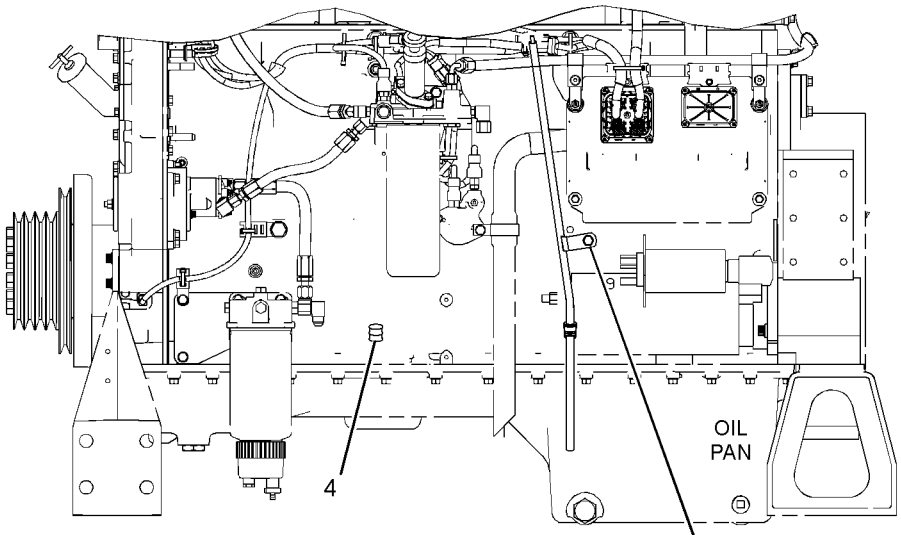
273-5106 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

RIGHT REAR AND LEFT REAR
FOR USE WITH REAR SUMP. CANNOT BE USED WITH RIGHT HAND STARTER APPLICATION,
FRONT SUMP OIL PAN
AN ATTACHMENT

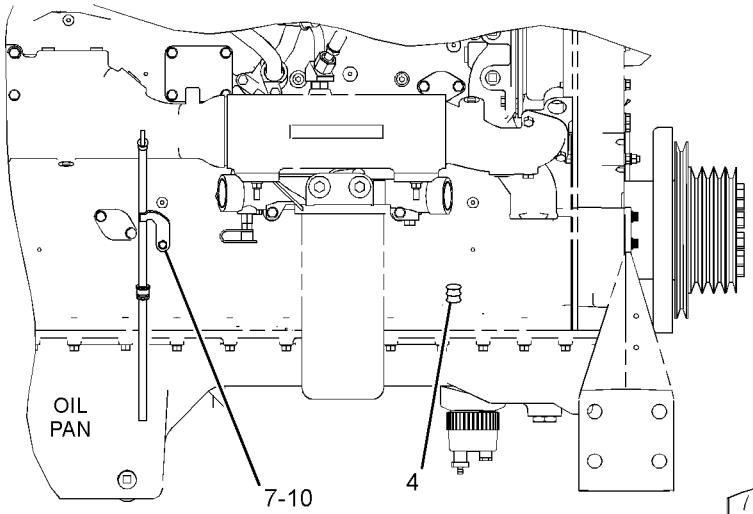
SMCS-1326 **i02422687**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-8021**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	2	1	**8N-1667**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	3	1	**161-1825**	1	TUBE AS	
J	4	1	**165-6170**	2	PLUG	
	5	1	**266-0770**	1	TUBE AS	
	6	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	7	1	**0S-1617**	1	BOLT (5/16-18X0.75-IN)	
	8	1	**118-5068**	2	SEAL-O-RING	
	9	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**9M-1974**	1	WASHER-HARD (8.8X16X2-MM THK)	

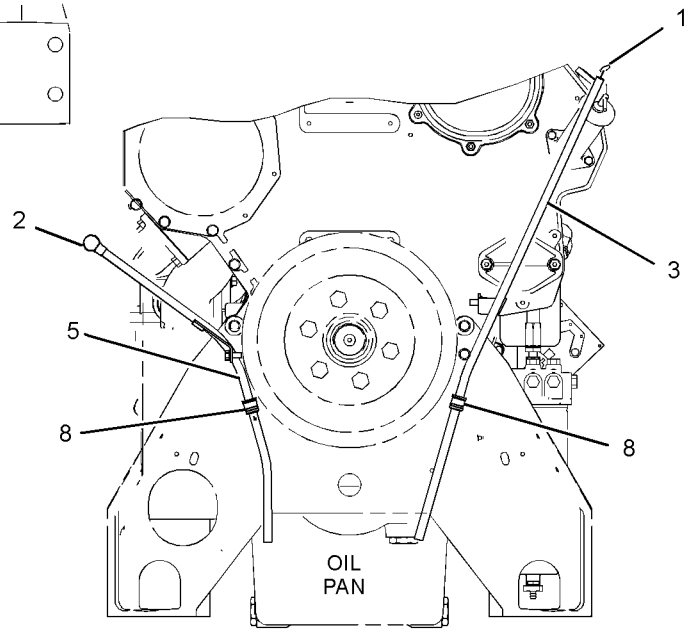
J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



LEFT SIDE VIEW



RIGHT SIDE VIEW



FRONT VIEW

GRAPHIC #1 **<END>** g01192806

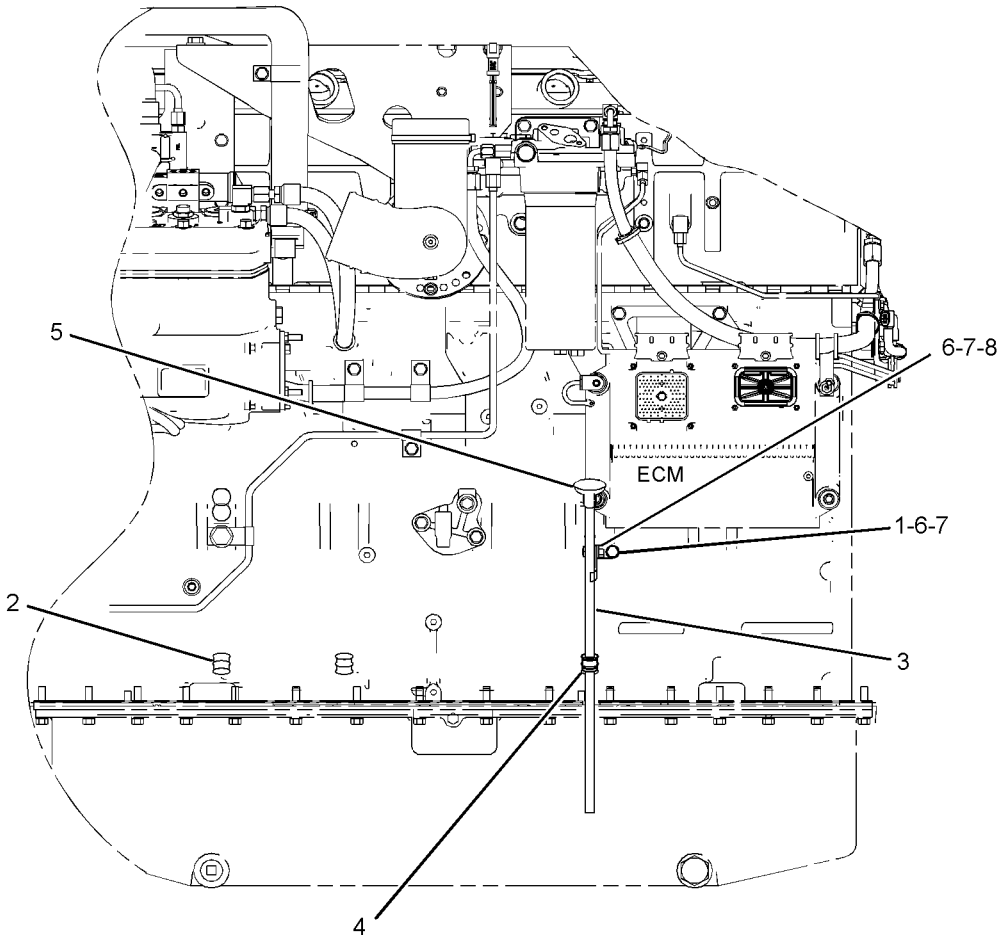
285-9064 GAUGE GP-OIL LEVEL (DIPSTICK)—ENGINE

FOR USE WITH PAN GP INSTALLED AT 0 DEGREE TILT & 0 DEGREE ROLL
AN ATTACHMENT

SMCS-1326 **i02497448**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2L-6243**	1	BRACKET	
J	2	1	**165-6170**	3	PLUG	
	3	1	**285-9302**	1	TUBE AS	
		1	**4N-1294**	1	ADAPTER	
	4	1	**118-5068**	1	SEAL-O-RING	
	5	1	**285-9063**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	6	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	7	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	8	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01250365

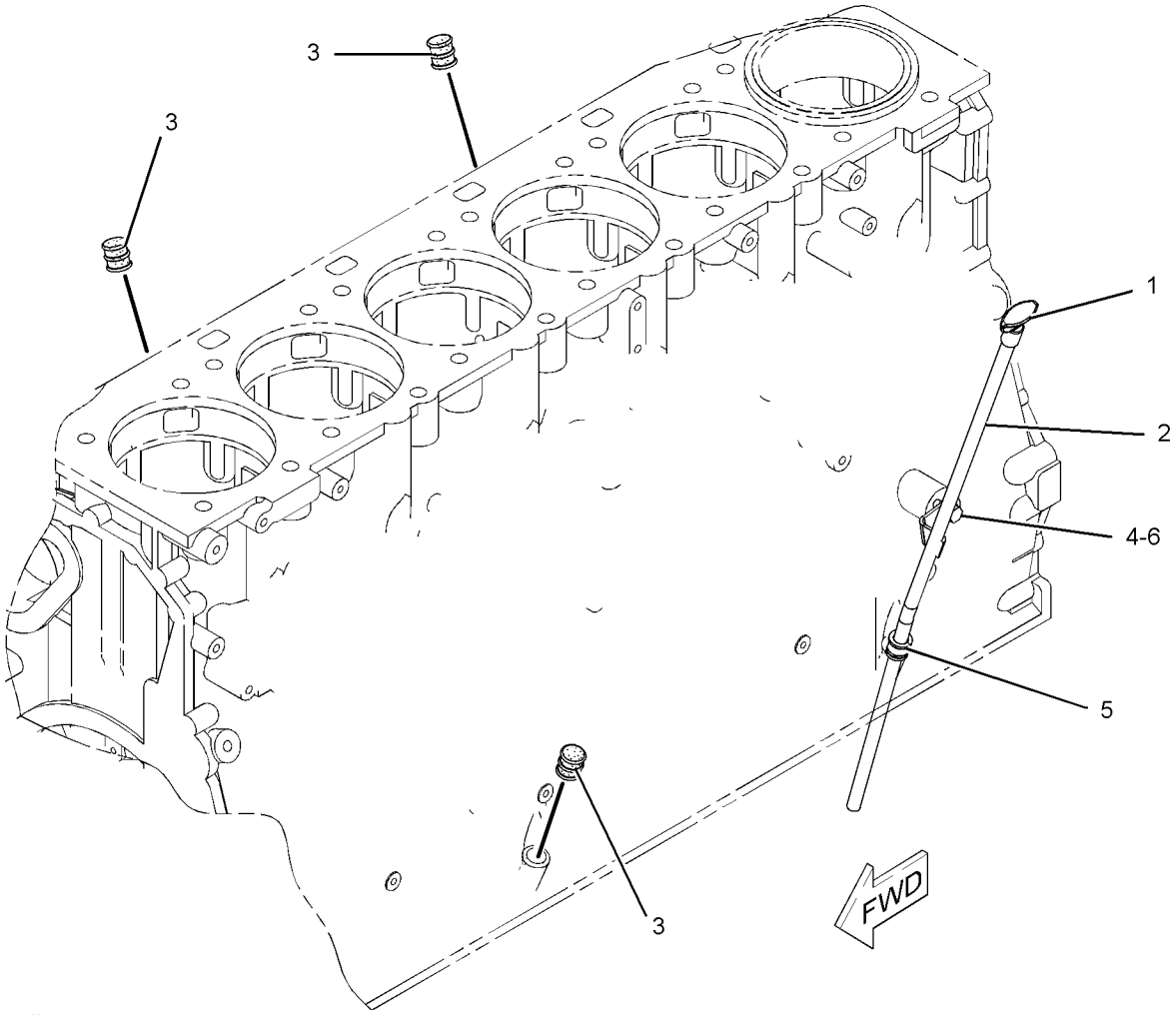
187-0672 GUIDE GP-OIL LEVEL GAUGE–ENGINE

LH REAR
FOR USE WITH REAR SUMP
AN ATTACHMENT

SMCS-1326 **i03006040**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-8021**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	2	1	**161-1825**	1	TUBE AS	
J	3	1	**165-6170**	3	PLUG	
	4	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	5	1	**118-5068**	1	SEAL-O-RING	
	6	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g01089365

187-0673 GUIDE GP-OIL LEVEL GAUGE–ENGINE

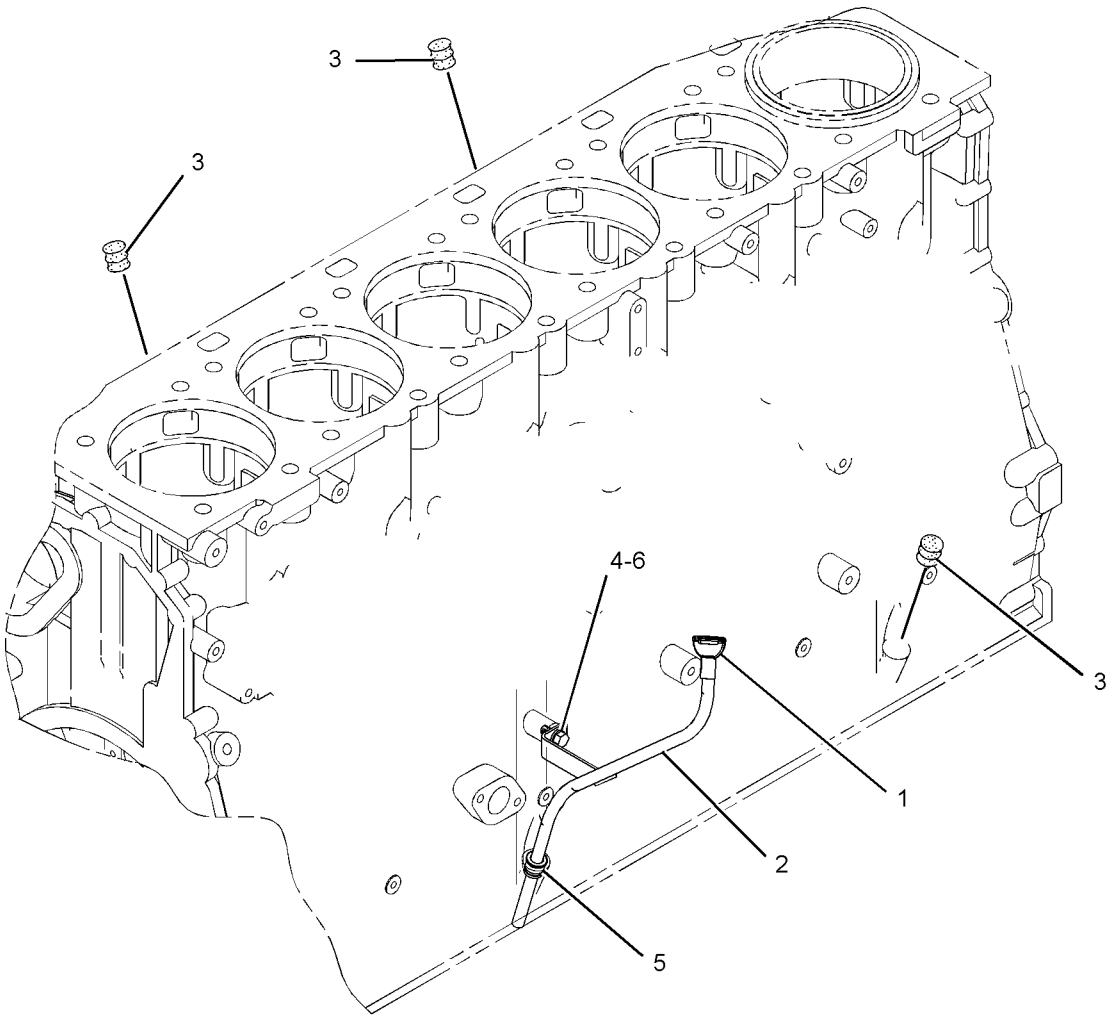
LH FRONT

FOR USE WITH FRONT SUMP. CANNOT BE USED WITH 4-CYLINDER AIR COMPRESSOR AN ATTACHMENT

SMCS-1326 **i02156744**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-4024**	1	GAUGE-OIL LEVEL (DIPSTICK) (ENGINE)	
	2	1	**121-8016**	1	TUBE AS	
J	3	1	**165-6170**	3	PLUG	
	4	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	5	1	**118-5068**	1	SEAL-O-RING	
	6	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



VIEWED FROM UPPER LEFT FRONT

GRAPHIC #1 **<END>** g01095538

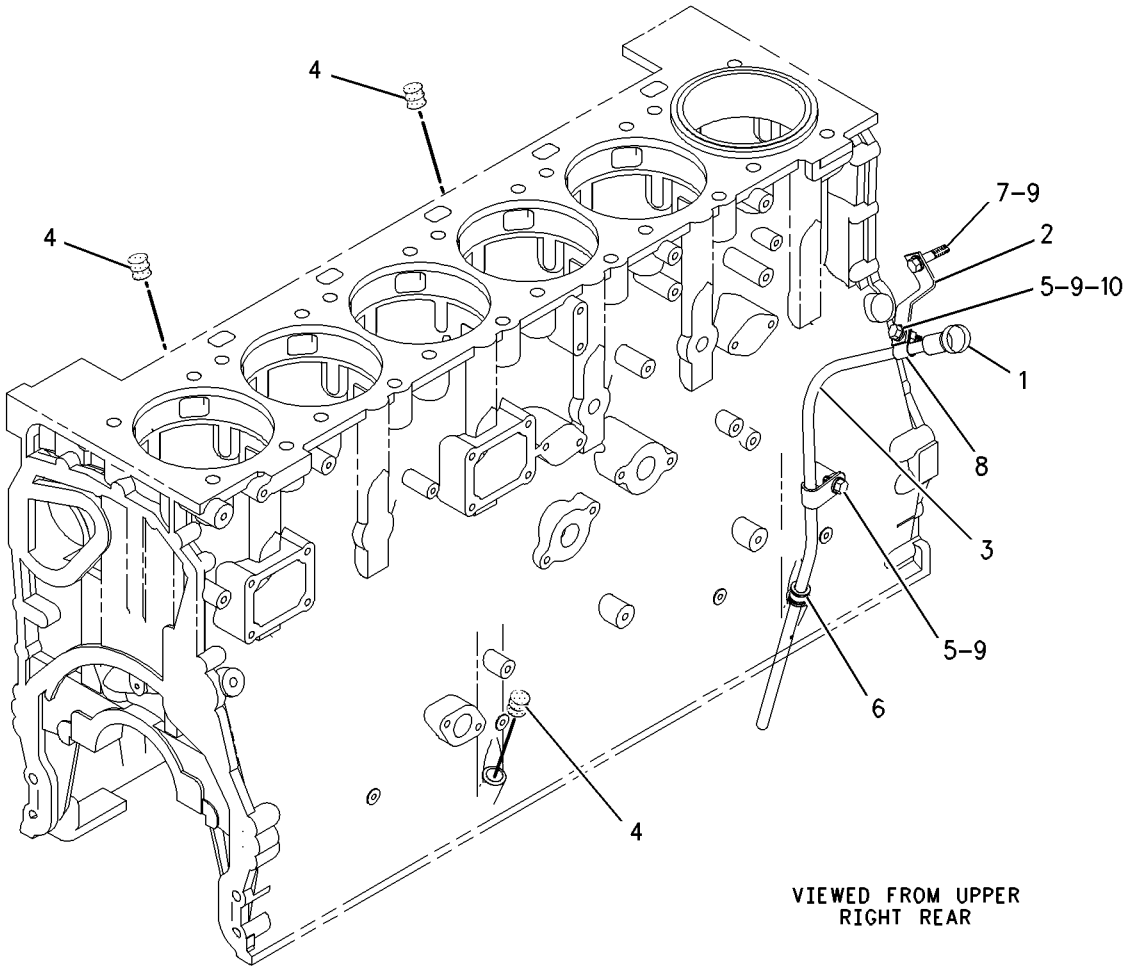
187-0674 GUIDE GP-OIL LEVEL GAUGE–ENGINE

S/N: JRE1-1364
RH FRONT
FOR USE WITH FRONT SUMP. CANNOT BE USED WITH SIDE INLET WATER PUMP AN ATTACHMENT

SMCS-1326 **i02508795**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-7776**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	2	1	**9Y-2049**	1	BRACKET	
	3	1	**161-1827**	1	TUBE AS	
J	4	1	**165-6170**	3	PLUG	
	5	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	6	1	**118-5068**	1	SEAL-O-RING	
	7	1	**2A-4639**	1	BOLT (3/8-16X1.625-IN)	
	8	1	**4B-0418**	1	CLIP	
	9	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g00689776

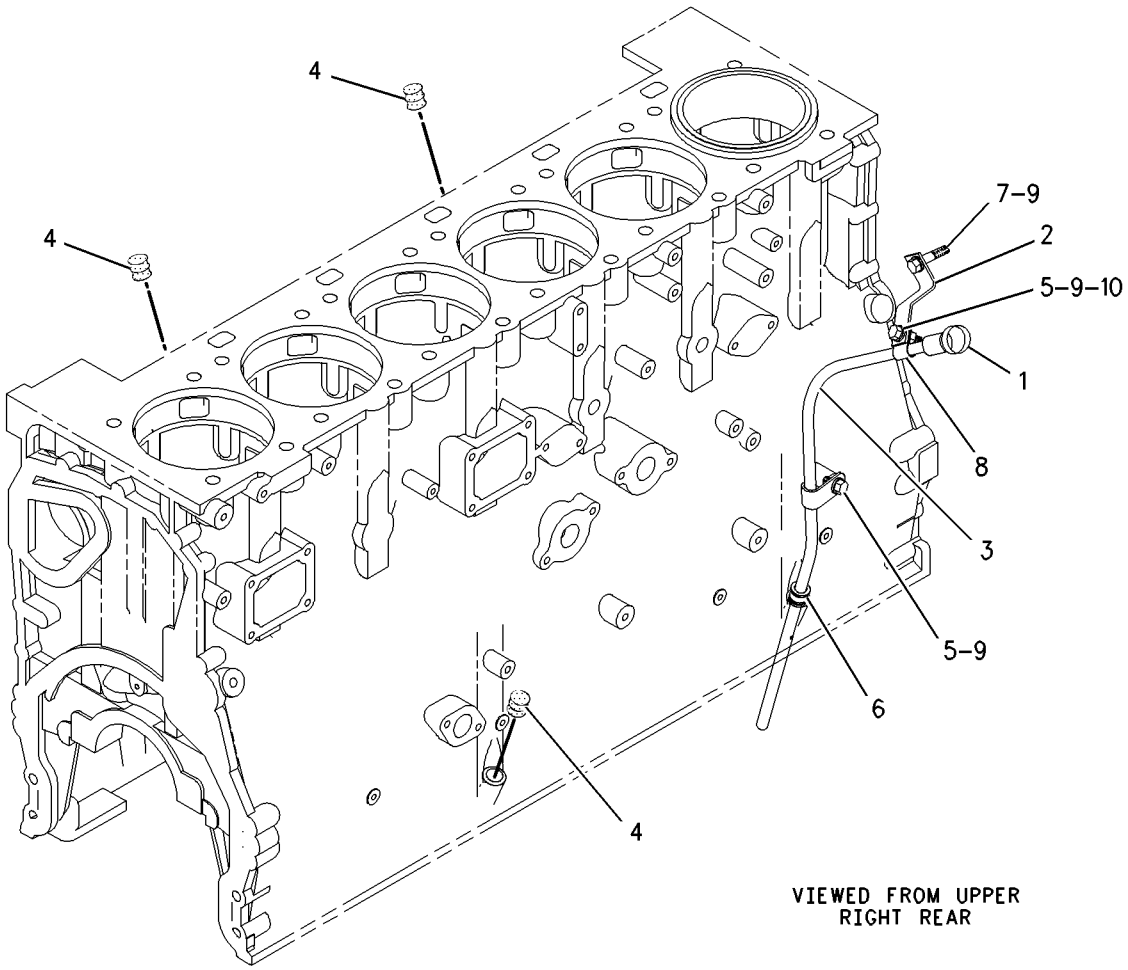
187-0674 GUIDE GP-OIL LEVEL GAUGE–ENGINE

S/N: JRE1365-UP
RH FRONT
FOR USE WITH FRONT SUMP. CANNOT BE USED WITH SIDE INLET WATER PUMP AN ATTACHMENT

SMCS-1326 **i03252200**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**121-4281**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (ENGINE)	
	2	1	**9Y-2049**	1	BRACKET	
	3	1	**161-1827**	1	TUBE AS	
J	4	1	**165-6170**	3	PLUG	
	5	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	6	1	**118-5068**	1	SEAL-O-RING	
	7	1	**2A-4639**	1	BOLT (3/8-16X1.625-IN)	
	8	1	**4B-0418**	1	CLIP	
	9	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	

C-CHANGE FROM PREVIOUS TYPE
J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



GRAPHIC #1 **<END>** g00689776

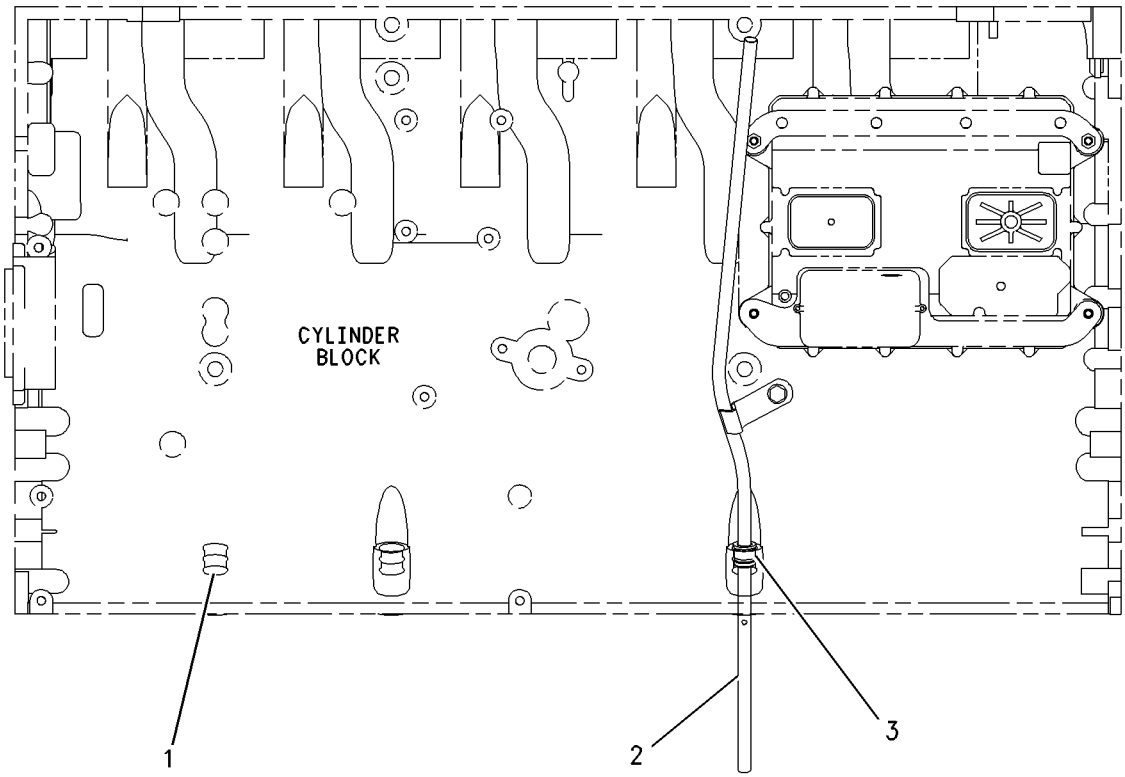
211-7885 GUIDE GP-OIL LEVEL GAUGE–ENGINE

LEFT HAND MOUNTED OIL LEVEL GUIDE
FOR USE WITH REAR SUMP CONFIGURATION
AN ATTACHMENT

SMCS-1326 **i01879075**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
J	1	1	**165-6170**	3	PLUG	
	2	1	**207-8084**	1	TUBE AS	
	3	1	**118-5068**	1	SEAL-O-RING	

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00956322

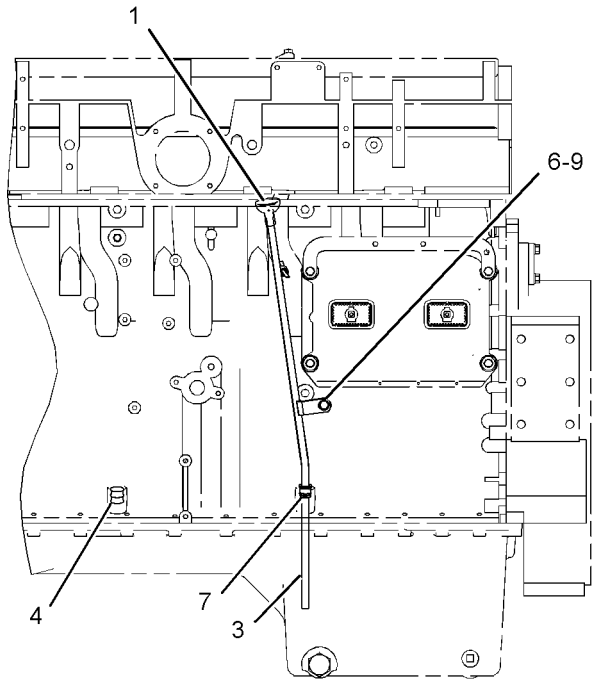
224-0728 GUIDE GP-OIL LEVEL GAUGE–ENGINE

REQUIRES REAR SUMP OIL PAN
CANNOT BE USED WITH TRANSMISSION OIL COOLER OR LH OIL FILTER
AN ATTACHMENT

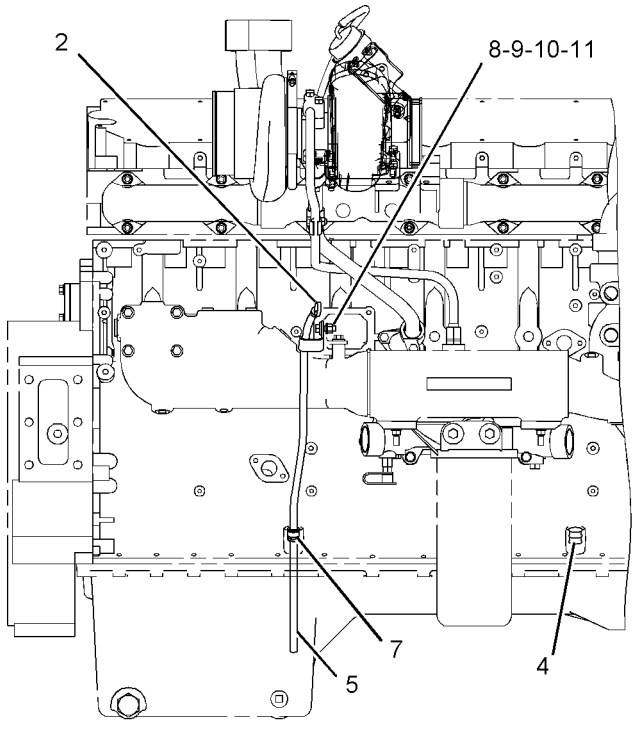
SMCS-1326 **i02137784**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7C-8021**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (LEFT REAR) (ENGINE)	
	2	1	**252-1056**	1	GAUGE AS-OIL LEVEL (DIPSTICK) (RIGHT REAR) (ENGINE)	
	3	1	**161-1825**	1	TUBE AS	
J	4	1	**165-6170**	2	PLUG	
	5	1	**197-9589**	1	TUBE AS	
	6	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	7	1	**118-5068**	2	SEAL-O-RING	
	8	1	**1A-2029**	1	BOLT (3/8-16X1.125-IN)	
	9	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	11	1	**9X-6458**	1	WASHER-HARD (10.2X22.5X3-MM THK)	

J-USE TO PLUG OPTIONAL DIPTSTICK LOCATION



LEFT SIDE VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g01086703

LUBRICATION SYSTEM

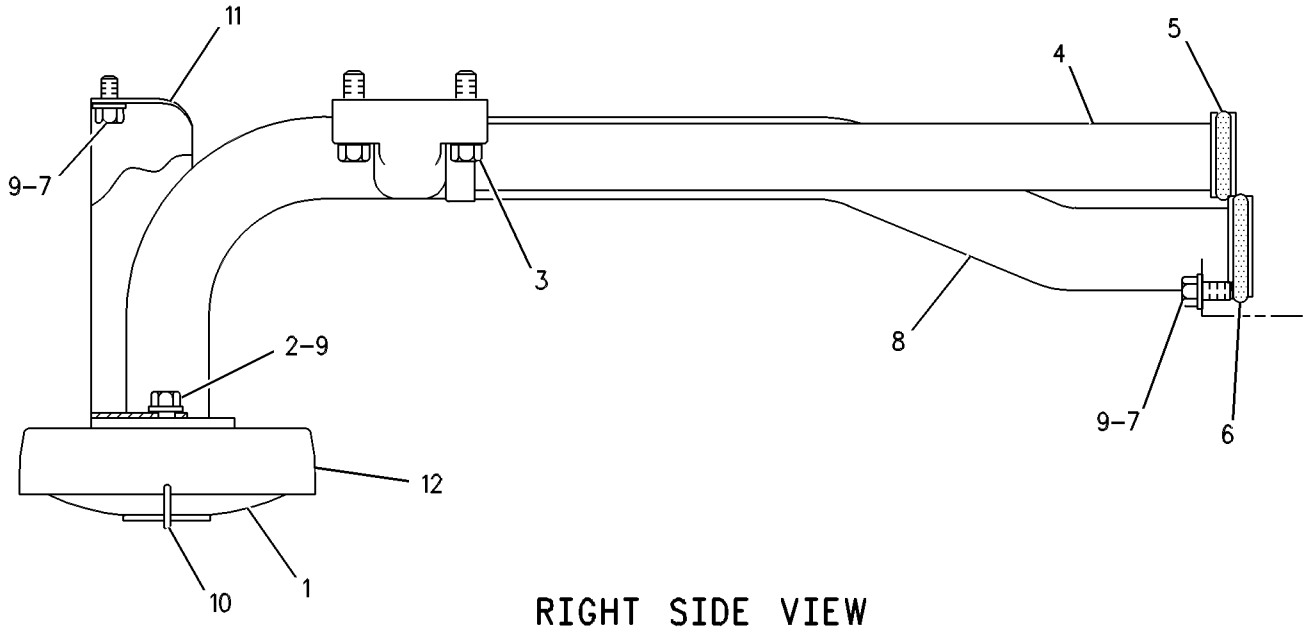
4N-1128 LINES GP-ENGINE OIL

S/N: JRE1-1190
FOR USE WITH DEEP SUMP OIL PAN
AN ATTACHMENT

SMCS-1307 **i03641033**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0913**	1	SCREEN AS-SUCTION (ENGINE OIL SUMP)	
	2	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
C	3	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	4	1	**4N-0995**	1	TUBE AS	
	5	1	**109-0078**	1	SEAL-O-RING	
C	6	1	**109-0072**	1	SEAL-O-RING	
C	7	1	**0L-1351**	3	BOLT (3/8-16X0.875-IN)	
	8	1	**9N-5124**	1	TUBE AS-PUMP SUCTION	
	9	1	**9X-6458**	5	WASHER-HARD (10.2X22.5X3-MM THK)	
	10	1	**4N-0914**	1	CLIP	
	11	1	**6N-7249**	1	SUPPORT-SUCTION BELL	
	12	1	**8N-2104**	1	BELL AS-SUCTION	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	

C-CHANGE FROM PREVIOUS TYPE



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00260084

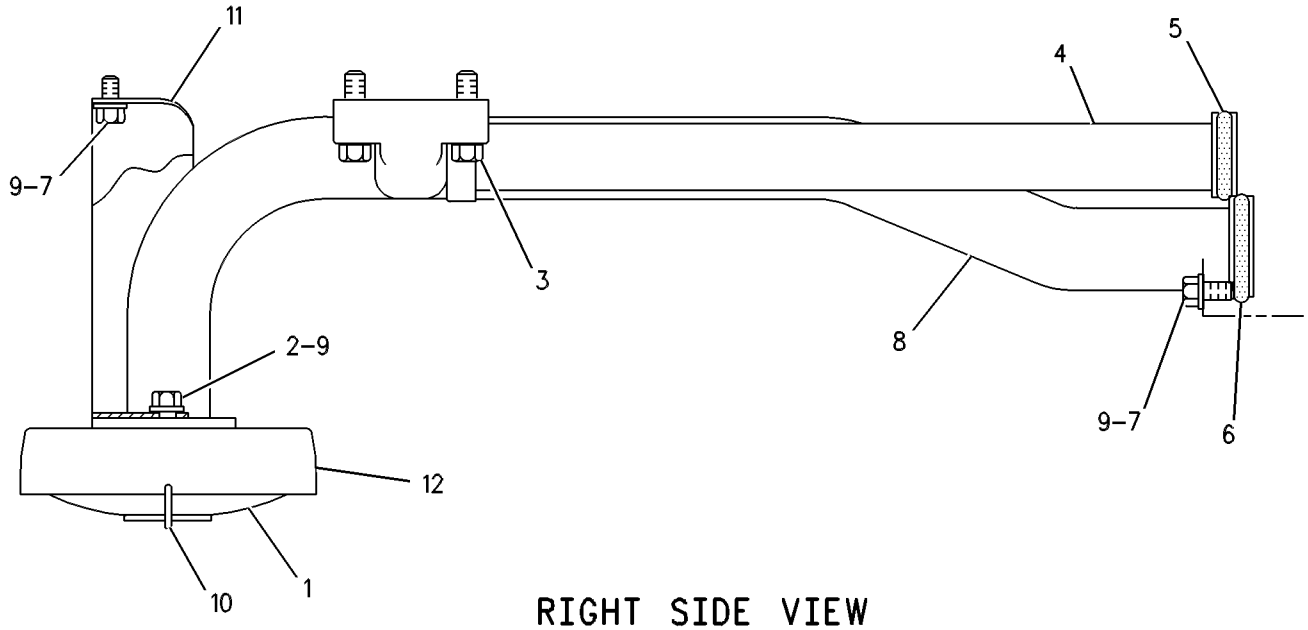
4N-1128 LINES GP-ENGINE OIL

S/N: JRE1191-UP
FOR USE WITH DEEP SUMP OIL PAN
AN ATTACHMENT

SMCS-1307 **i03641030**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0913**	1	SCREEN AS-SUCTION (ENGINE OIL SUMP)	
	2	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	3	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
C	4	1	**4P-7373**	1	TUBE AS	
	5	1	**109-0078**	1	SEAL-O-RING	
	6	1	**109-0072**	1	SEAL-O-RING	
	7	1	**0L-1351**	3	BOLT (3/8-16X0.875-IN)	
	8	1	**9N-5124**	1	TUBE AS-PUMP SUCTION	
	9	1	**9X-6458**	5	WASHER-HARD (10.2X22.5X3-MM THK)	
	10	1	**4N-0914**	1	CLIP	
	11	1	**6N-7249**	1	SUPPORT-SUCTION BELL	
	12	1	**8N-2104**	1	BELL AS-SUCTION	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	

C-CHANGE FROM PREVIOUS TYPE



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00260084

LUBRICATION SYSTEM

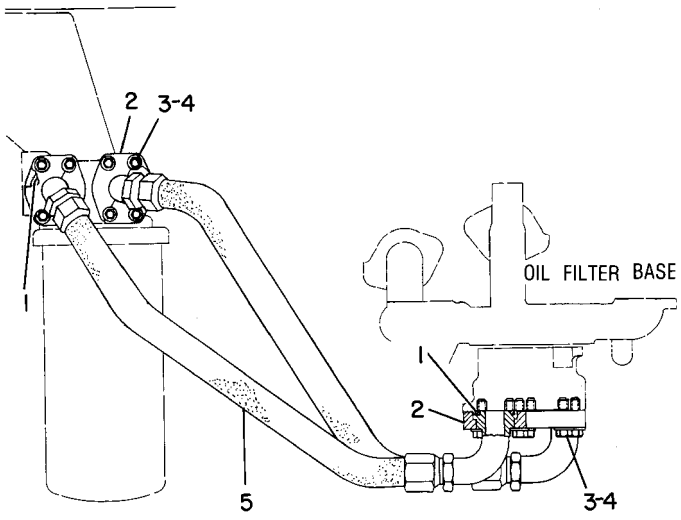
114-1926 LINES GP-ENGINE OIL

FOR USE WITH REMOTE MOUNTED OIL FILTER, 114-1922—PAGE 427. CANNOT BE USED WITH BRAKESAVER AN ATTACHMENT

SMCS-1307 **i00702620**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8M-4986**	4	SEAL-O-RING	
	2	1	**1P-4578**	8	FLANGE-HALF	
	3	1	**0T-0772**	16	BOLT (7/16-14X1.5-IN)	
	4	1	**5P-8244**	16	WASHER-HARD (12X22.5X2.5-MM THK)	
I	5	1	**7W-8633**	2	HOSE AS	

I-REFER TO HYDRAULIC INFORMATION SYSTEM



GRAPHIC #1 **<END>** g00172515

LUBRICATION SYSTEM

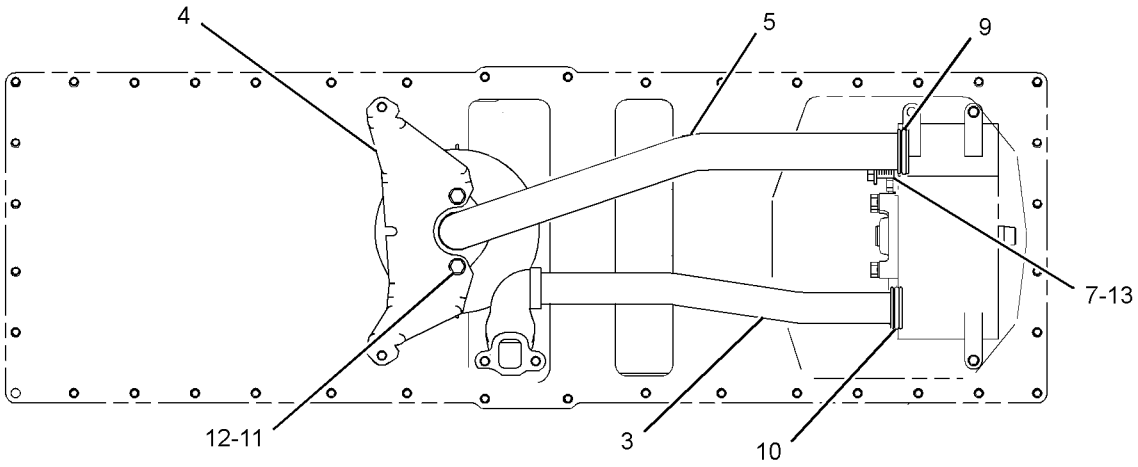
227-3917 LINES GP-ENGINE OIL

AN ATTACHMENT

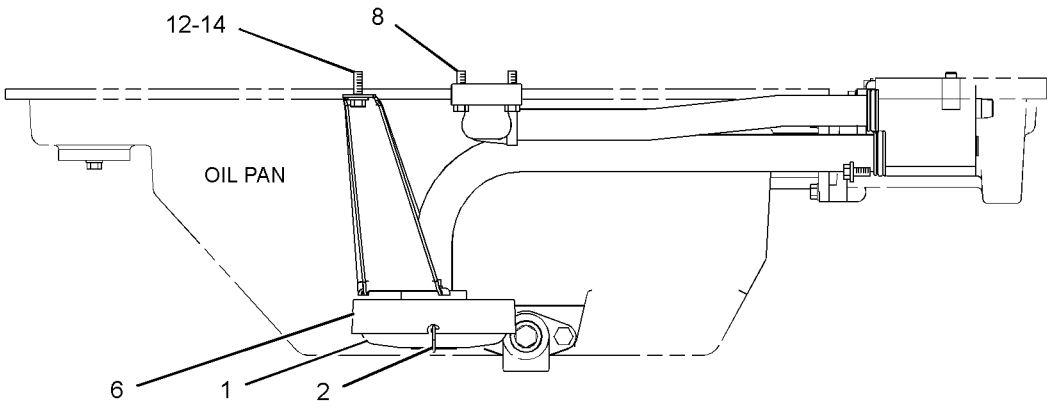
SMCS-1307 **i03636999**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-0913**	1	SCREEN AS-SUCTION (ENGINE OIL)	
	2	1	**4N-0914**	1	CLIP	
	3	1	**4P-7373**	1	TUBE AS	
	4	1	**4P-9131**	1	SUPPORT-BELL	
	5	1	**7E-4508**	1	TUBE AS	
	6	1	**8N-2104**	1	BELL AS-SUCTION	
		1	**1F-0750**	1	NUT-WELD (3/8-16-THD)	
	7	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	8	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	9	1	**109-0072**	1	SEAL-O-RING	
	10	1	**109-0078**	1	SEAL-O-RING	
	11	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
C	12	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
C	13	1	**9X-6458**	1	WASHER-HARD (10.2X22.5X3-MM THK)	
	14	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	

C-CHANGE FROM PREVIOUS TYPE



TOP VIEW OF ENGINE



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01297977

LUBRICATION SYSTEM

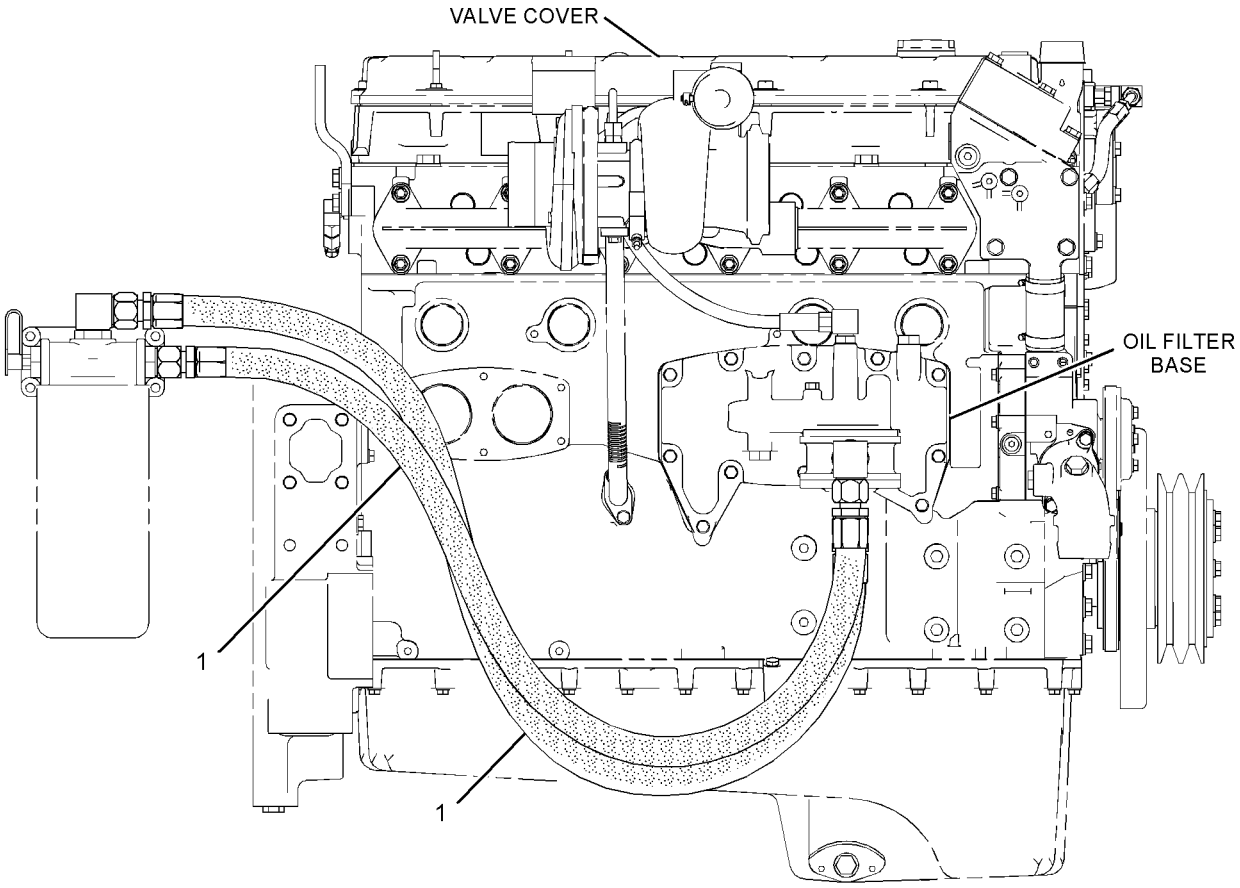
279-6010 LINES GP-ENGINE OIL

FOR USE WITH REQUIRES FILTER GP-ENGINE OIL (REMOTE MOUNTED)
AN ATTACHMENT

SMCS-1307 **i02765286**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	1	1	**144-0119**	2	HOSE AS	

I-REFER TO HYDRAULIC INFORMATION SYSTEM



RIGHT SIDE VIEW OF ENGINE

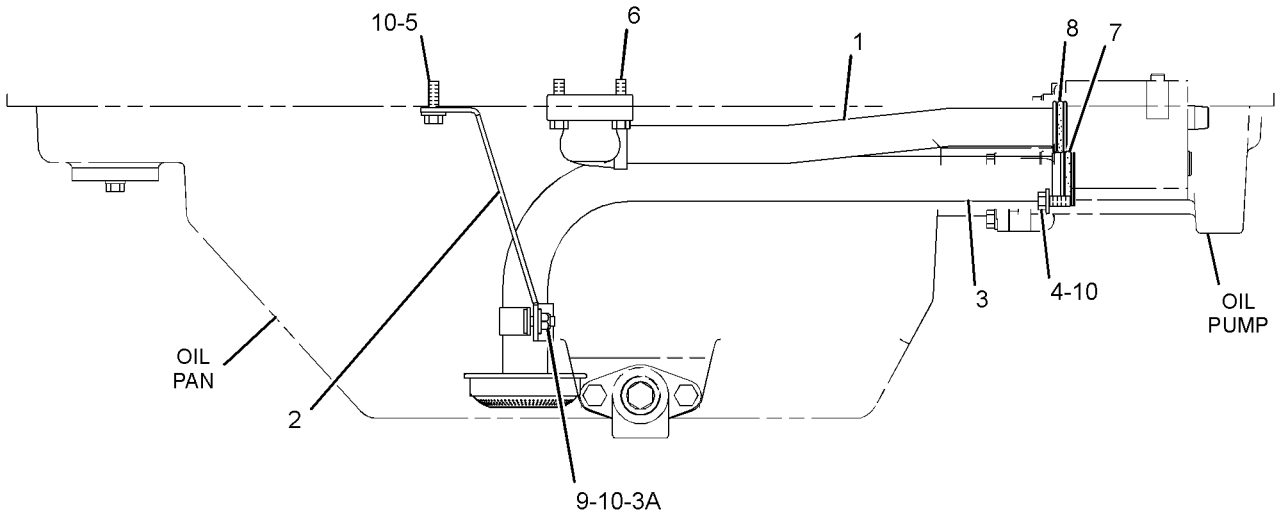
GRAPHIC #1 **<END>** g01393123

291-6821 LINES GP-ENGINE OIL

FOR USE WITH 175-3860—PAGE 321
AN ATTACHMENT

SMCS-1307 **i03246215**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-7373**	1	TUBE AS	
	2	1	**292-9782**	1	BRACKET	
	3	1	**292-9783**	1	TUBE AS	
	3A	1	**5L-8957**	2	STUD-WELD (3/8-16X1-IN)	
	4	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	5	1	**0S-1588**	2	BOLT (3/8-16X1.25-IN)	
	6	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	7	1	**109-0072**	1	SEAL-O-RING	
	8	1	**109-0078**	1	SEAL-O-RING	
	9	1	**2K-4973**	2	LOCKNUT (3/8-16-THD)	
	10	1	**9X-6458**	5	WASHER-HARD (10.2X22.5X3-MM THK)	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01647620

LUBRICATION SYSTEM

304-3734 LINES GP-ENGINE OIL

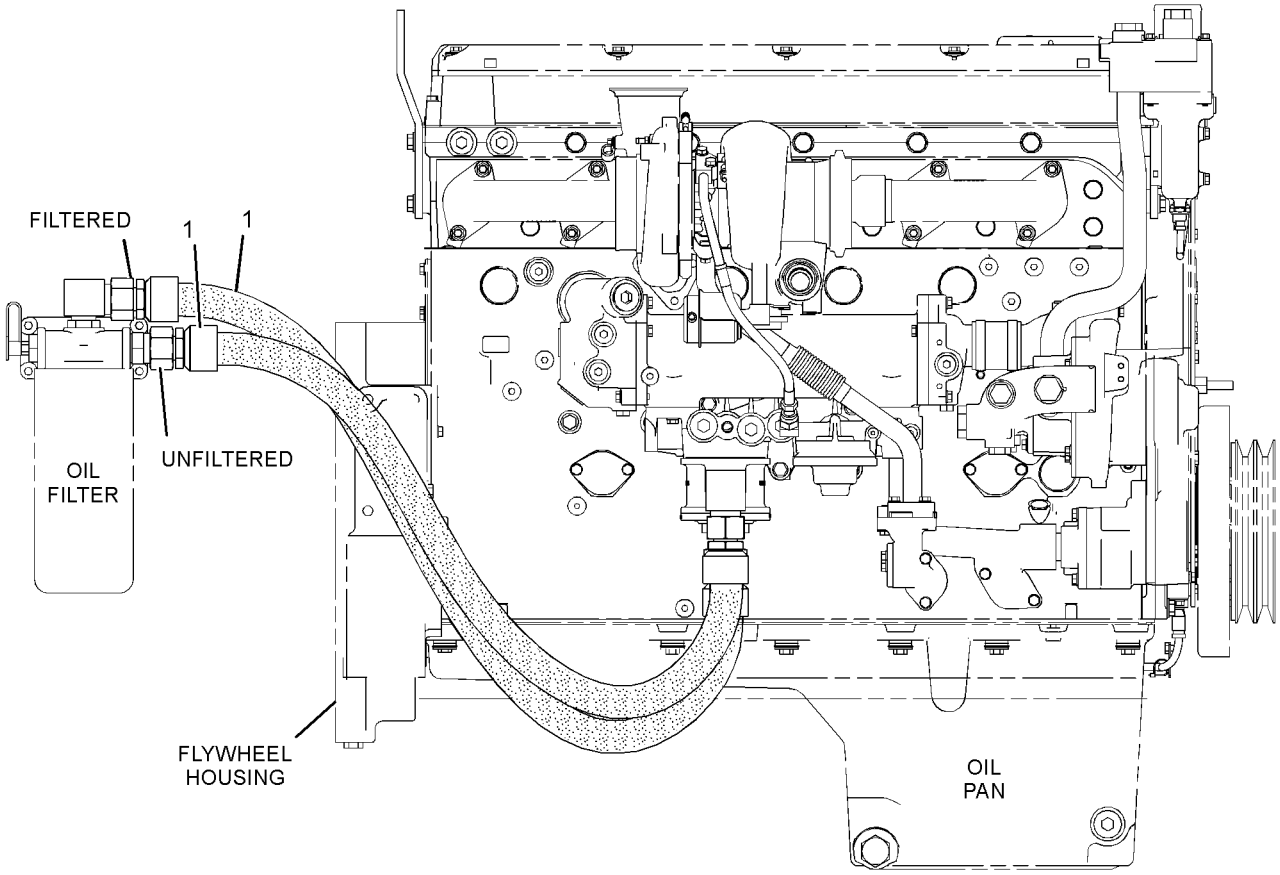
REMOTE MOUNTED

AN ATTACHMENT

SMCS-1307 **i02686989**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	1	1	**305-2749**	2	HOSE AS	

I-REFER TO HYDRAULIC INFORMATION SYSTEM



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

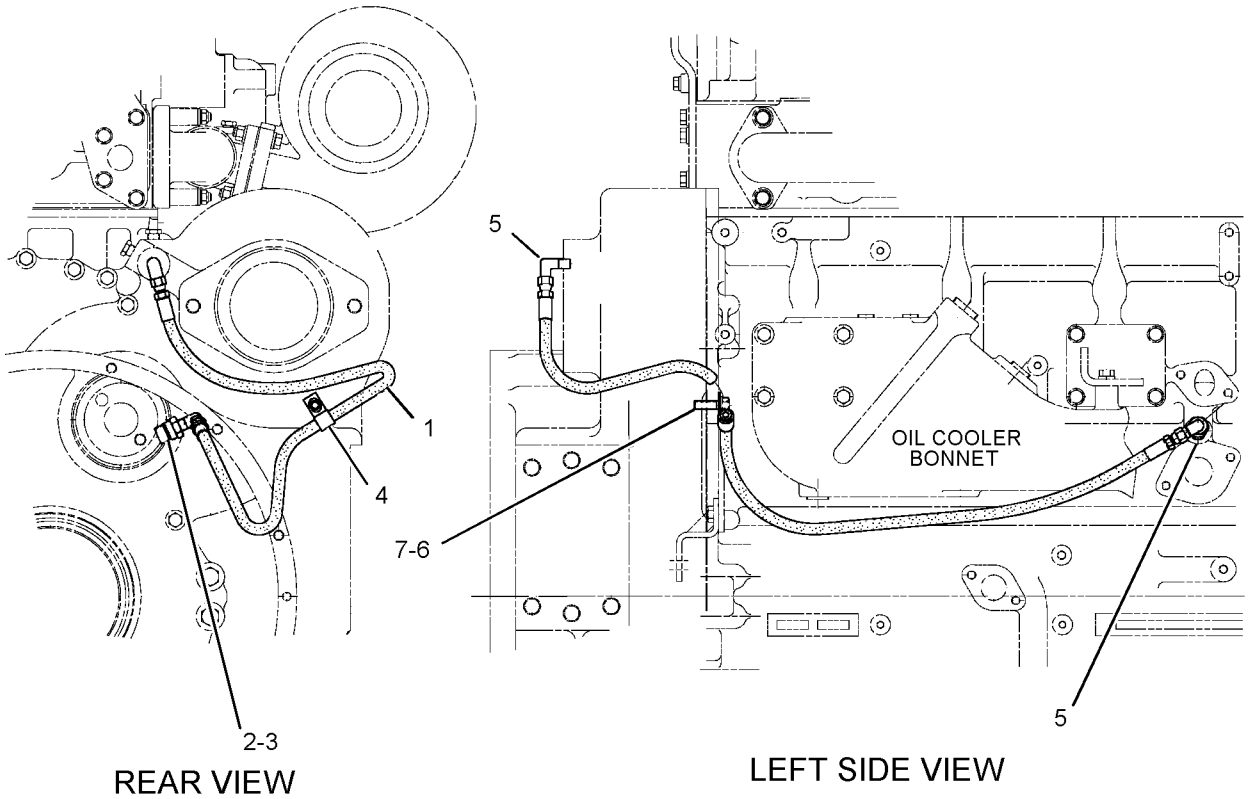
g01350973

240-7970 LINES GP-OIL—ENGINE

FOR USE WITH 120-9128—PAGE 248, ACERT BLOCK AND HEAD
AN ATTACHMENT

SMCS-1307 **i01983302**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	1	1	**5N-5646**	1	HOSE AS	
	2	1	**8J-7844**	1	FITTING-ADAPTER	
	3	1	**8L-2786**	1	SEAL-O-RING	
	4	1	**4K-8864**	1	CLIP	
	5	1	**6K-1972**	2	ELBOW-FLARED	
	6	1	**0S-1588**	1	BOLT (3/8-16X1.25-IN)	
	7	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
I-REFER TO HYDRAULIC INFORMATION SYSTEM						



GRAPHIC #1 **<END>** g01030797

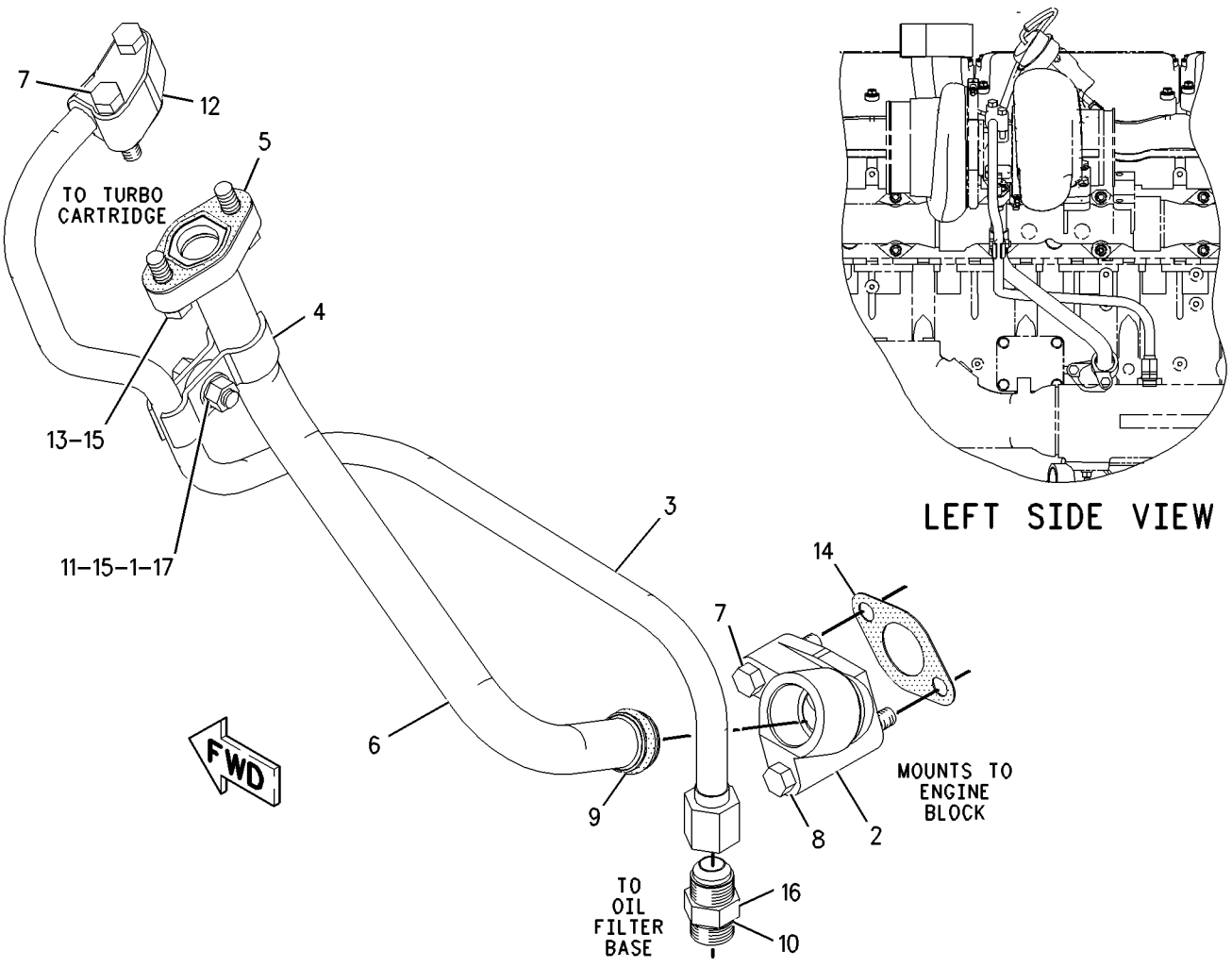
LUBRICATION SYSTEM

212-1487 LINES GP-TURBOCHARGER OIL

REQUIRES FORWARD FACING EXHAUST AND HIGH MOUNT TURBO
AN ATTACHMENT

SMCS-1052, 1307 **i02558140**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3L-9689**	1	WASHER (10.5X25.4X5-MM THK)	
	2	1	**4N-2040**	1	ELBOW-DRAIN	
	3	1	**7N-3448**	1	TUBE AS-OIL (SUPPLY)	
	4	1	**9M-7540**	2	CLAMP-TUBE	
	5	1	**126-2702**	1	SEAL-INTEGRAL	
	6	1	**204-7810**	1	TUBE AS (DRAIN)	
	7	1	**0S-1571**	3	BOLT (3/8-16X1.75-IN)	
	8	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
	9	1	**114-2687**	1	SEAL-O-RING	
	10	1	**114-4427**	1	SEAL-O-RING	
	11	1	**1A-2029**	1	BOLT (3/8-16X1.125-IN)	
	12	1	**198-6068**	1	SEAL-INTEGRAL	
	13	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	14	1	**4N-0699**	1	GASKET	
	15	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**9M-4584**	1	CONNECTOR	
	17	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	



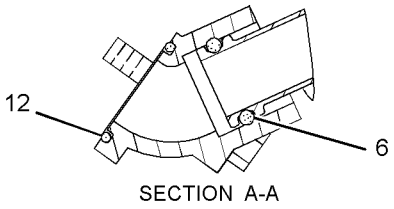
GRAPHIC #1 **<END>** g00864818

240-6053 LINES GP-TURBOCHARGER OIL

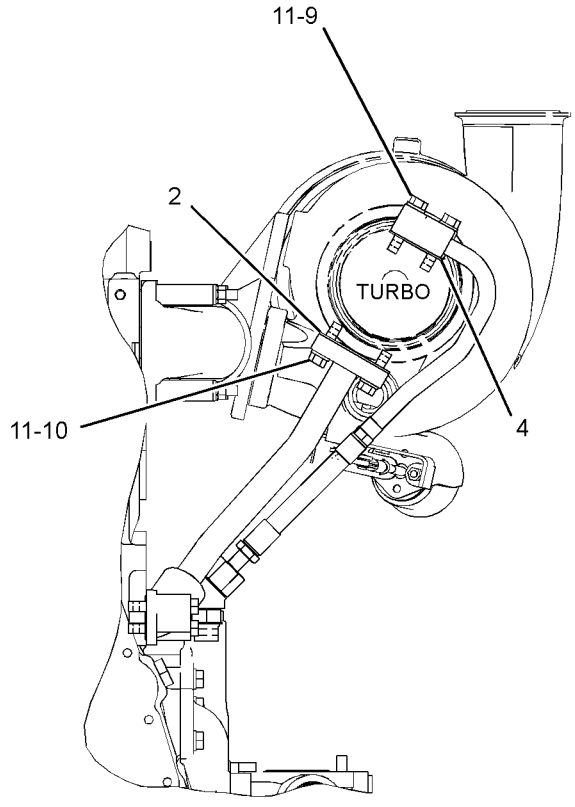
S/N: JRE1-2773
MID MOUNT
FOR USE WITH REAR EXHAUST SETUP. CANNOT BE USED WITH TWIN TURBO AN ATTACHMENT

SMCS-1052, 1307 **i02711280**

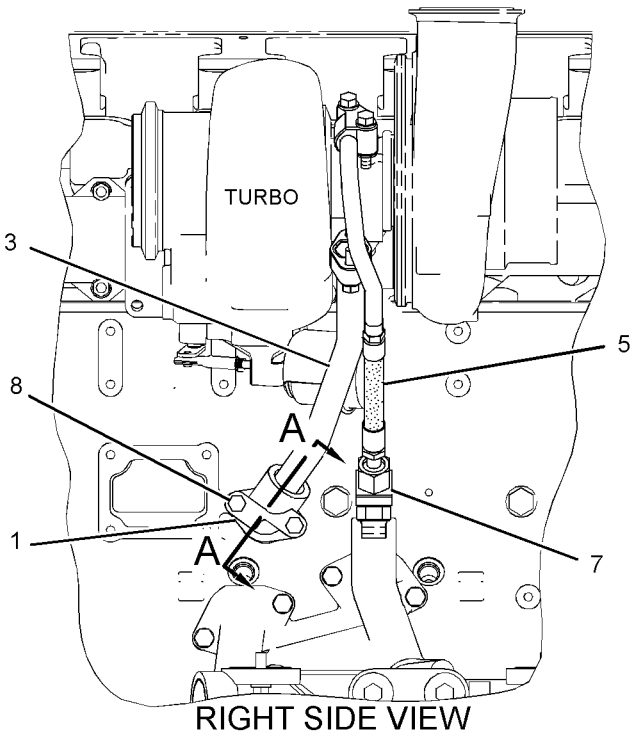
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**106-3544**	1	ELBOW	
	2	1	**126-2702**	1	SEAL-INTEGRAL	
	3	1	**133-8940**	1	TUBE AS-DRAIN	
	4	1	**198-6068**	1	SEAL-INTEGRAL	
	5	1	**231-5219**	1	HOSE AS	
	6	1	**114-2687**	1	SEAL-O-RING	
	7	1	*155-3504*	1	ELBOW AS	
		1	**2M-9780**	1	SEAL-O-RING	
		1	**7J-9108**	1	SEAL-O-RING	
	8	1	**0L-2070**	2	BOLT (3/8-16X2.25-IN)	
	9	1	**1C-2251**	2	BOLT (3/8-16X1.87-IN)	
	10	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	11	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	12	1	**6V-5266**	1	SEAL-O-RING	



SECTION A-A



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g01251957

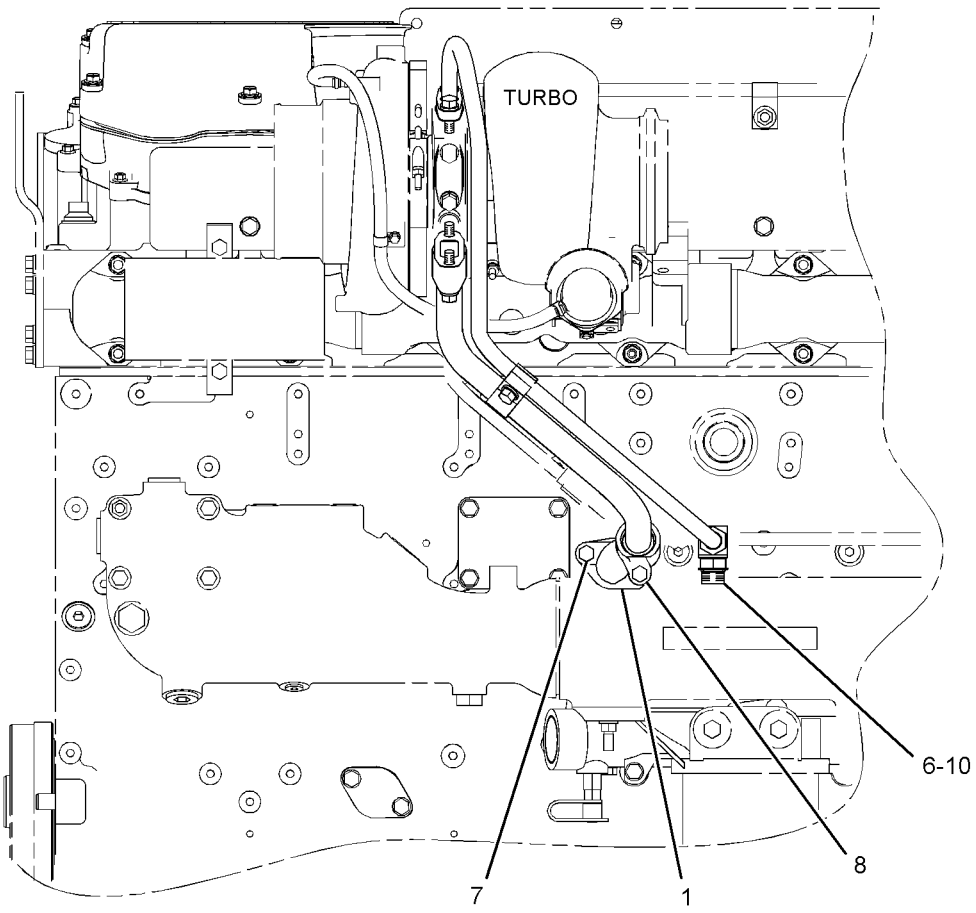
LUBRICATION SYSTEM

311-1433 LINES GP-TURBOCHARGER OIL

FOR USE WITH FRONT EXHAUST CONFIGURATION, WATER COOLED TURBOS
AN ATTACHMENT

SMCS-1052, 1307 **i02739802**

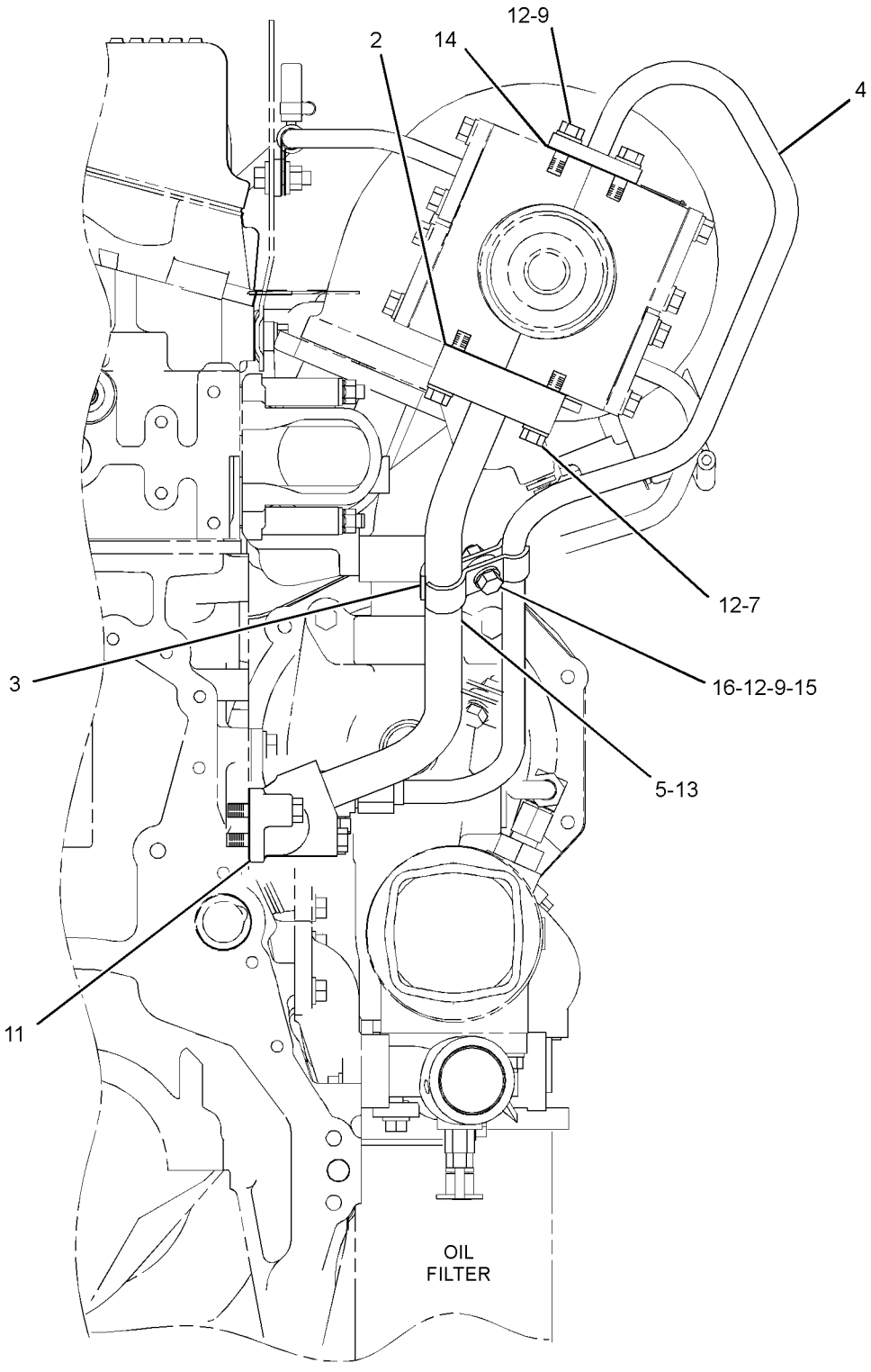
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-2040**	1	ELBOW-DRAIN	
	2	2	**7N-7559**	1	GASKET	
	3	2	**9M-7540**	2	CLAMP-TUBE	
	4	2	**311-1434**	1	TUBE AS	
	5	2	**311-1435**	1	TUBE AS	
	6	1	**030-7949**	1	ELBOW	
	7	1,2	**0S-1571**	3	BOLT (3/8-16X1.75-IN)	
	8	1	**0S-1619**	1	BOLT (3/8-16X3-IN)	
	9	2	**1A-2029**	3	BOLT (3/8-16X1.125-IN)	
	10	1	**2M-9780**	1	SEAL-O-RING	
	11	2	**4N-0699**	1	GASKET	
	12	2	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	2	**5P-9890**	1	SEAL-O-RING	
	14	2	**7N-8875**	1	GASKET	
	15	2	**9M-6527**	1	WASHER-HARD (10.2X25.5X5-MM THK)	
	16	2	**9S-8752**	1	NUT-FULL (3/8-16-THD)	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 g01374502

311-1433 **LINES GP-TURBOCHARGER OIL** *(contd.)* **i02739802**



REAR VIEW OF ENGINE

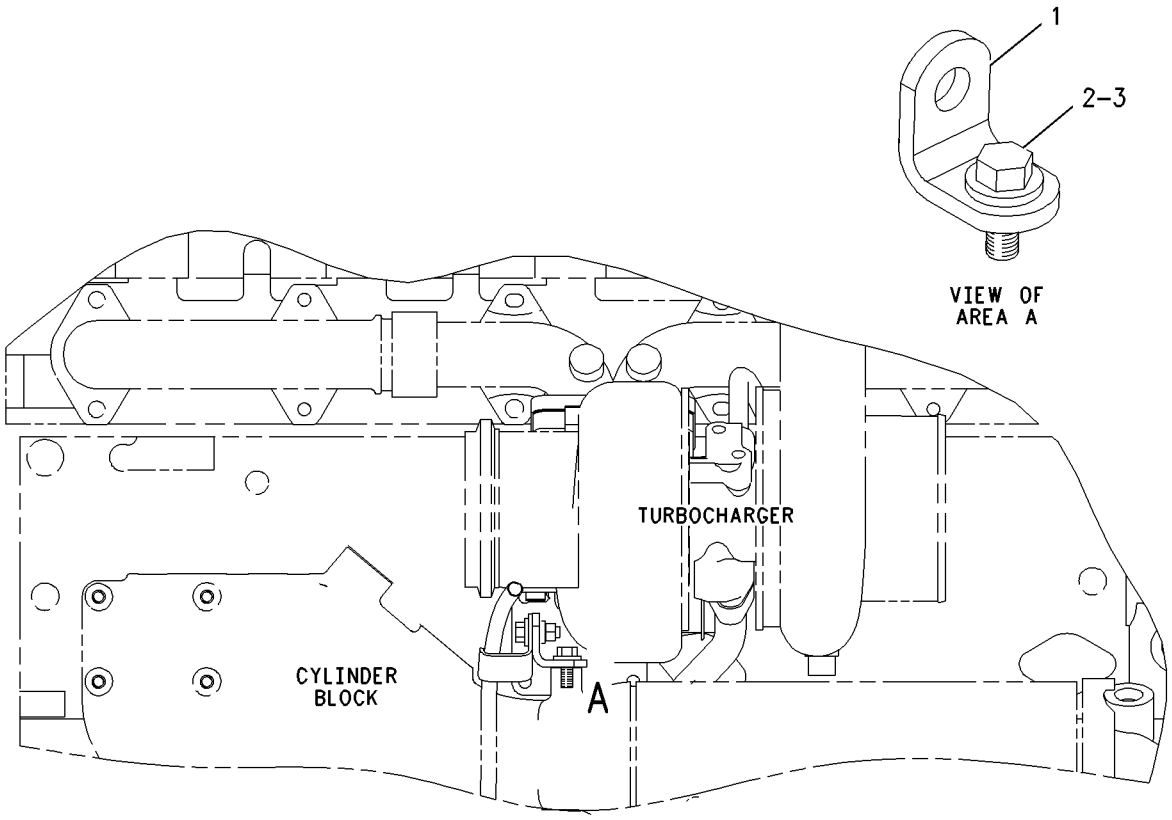
GRAPHIC #2 **<END>** g01374530

170-3562 MOUNTING GP-OIL LEVEL GAUGE

FOR USE WITH 162-2918—PAGE 441
AN ATTACHMENT

SMCS-1326 **i01606294**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-2021**	1	BRACKET	
	2	1	**0S-1594**	1	BOLT (3/8-16X1 IN)	
	3	1	**9X-6458**	1	WASHER-HARD (10.2X22.5X3MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00833336

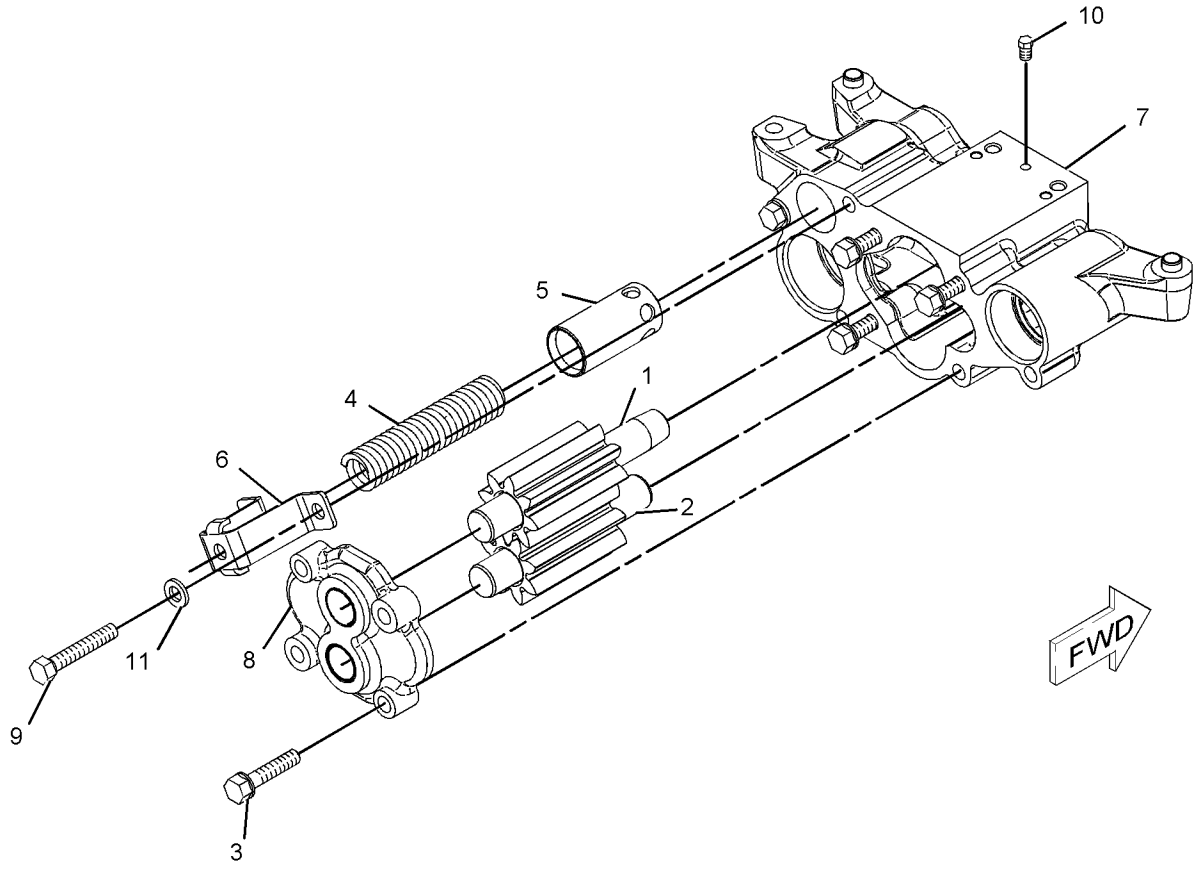
LUBRICATION SYSTEM

161-4113 PUMP GP-ENGINE OIL*R

ALSO AN ATTACHMENT

SMCS-1304, 1315 **i02086285**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-7238**	1	SHAFT AS-PUMP DRIVE	
	2	1	**1W-7239**	1	SHAFT AS-IDLER	
	3	1	**2P-3205**	4	BOLT-WASHER HEAD (3/8-16X1.75-IN)	
	4	1	**2S-2760**	1	SPRING	
	5	1	**6N-1931**	1	PLUNGER	
	6	1	**9Y-1792**	1	RETAINER	
	7	1	**235-1587**	1	BODY AS	
		1	**7N-2156**	2	BEARING-SLEEVE	
		1	**8M-8489**	2	DOWEL	
	8	1	**127-6356**	1	COVER AS-PUMP	
		1	**8S-6511**	2	BEARING-SLEEVE	
	9	1	**1M-0644**	2	BOLT (3/8-16X2.25-IN)	
	10	1	**2S-7905**	1	PLUG-PIPE	
	11	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01066948

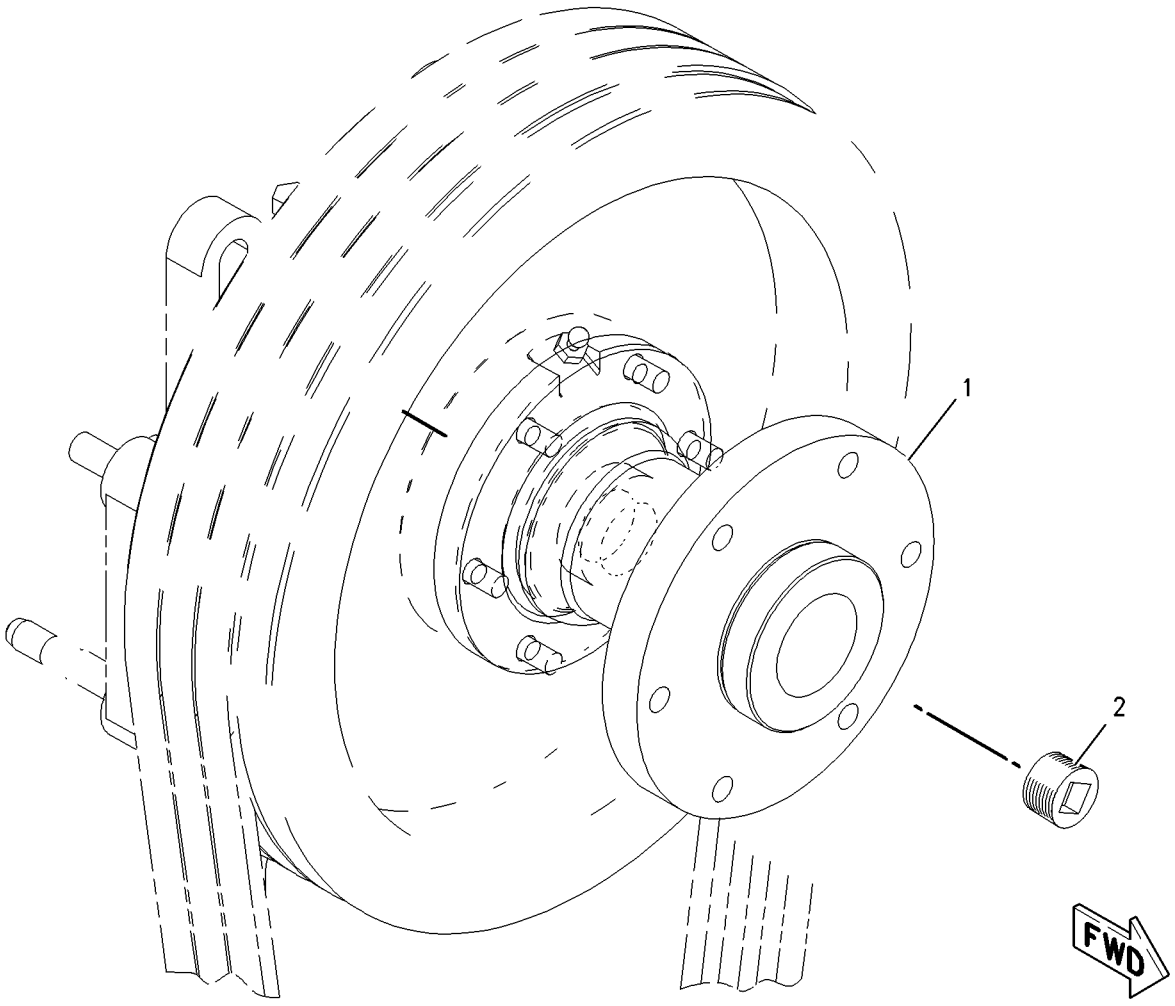
COOLING SYSTEM

228-8531 ADAPTER GP-FAN

FOR USE WITH FAN DRIVE AND 43 INCH BLOWER FAN ON E616- & E617-, FAN DRIVE AND 40 INCH BLOWER FAN ON E982-, E985-, E708-, & E709- AN ATTACHMENT

SMCS-1356, 1359 **i01894838**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-4088**	1	ADAPTER-FAN	
	2	1	**7X-7731**	1	PLUG-PIPE	



GRAPHIC #1 **<END>** g00986300

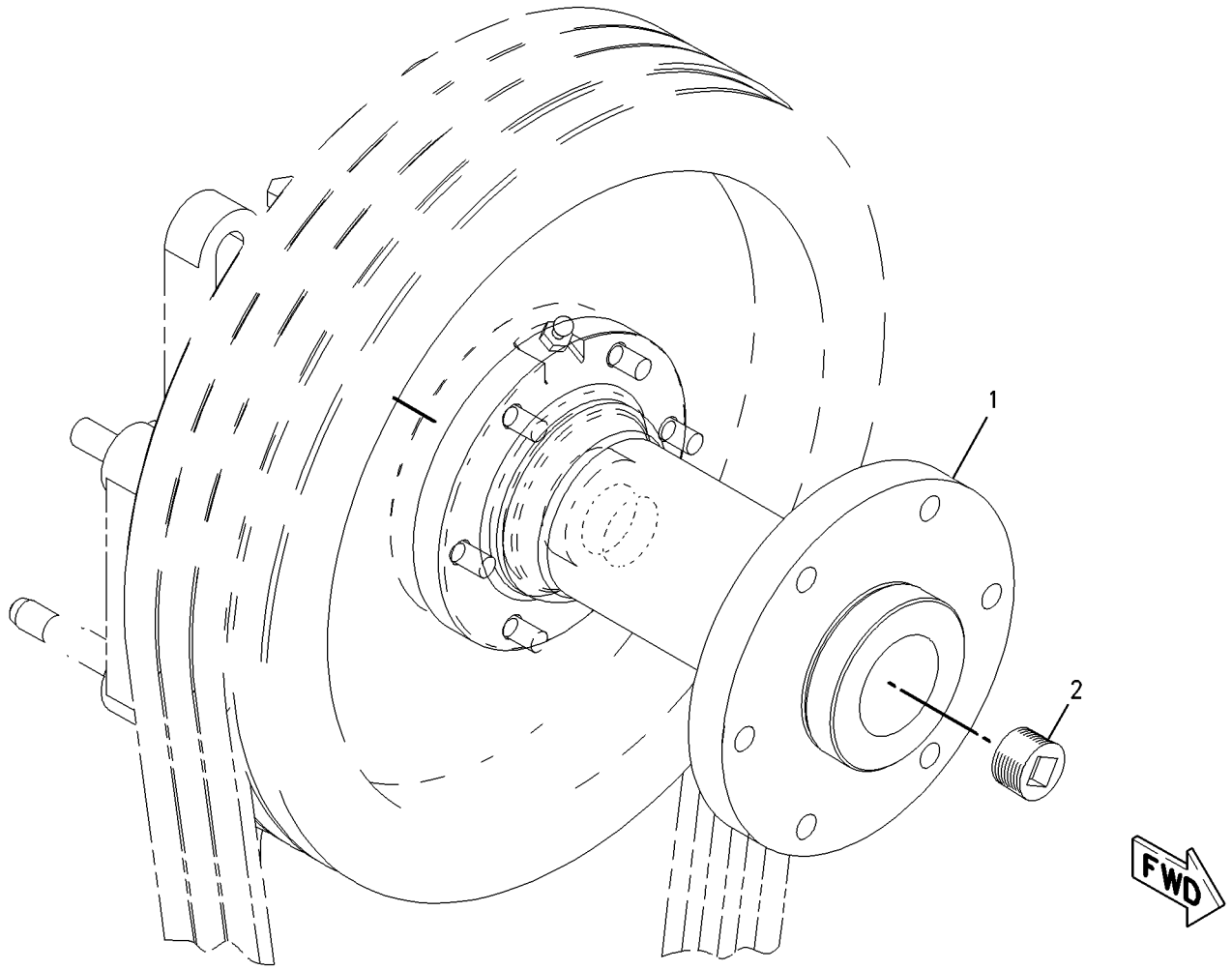
COOLING SYSTEM

228-8532 ADAPTER GP-FAN

FOR USE WITH FAN DRIVE AND 43 INCH SUCTION FAN
AN ATTACHMENT

SMCS-1356, 1359 **i01894879**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-4087**	1	ADAPTER-FAN	
	2	1	**7X-7731**	1	PLUG-PIPE	



GRAPHIC #1 **<END>** g00986286

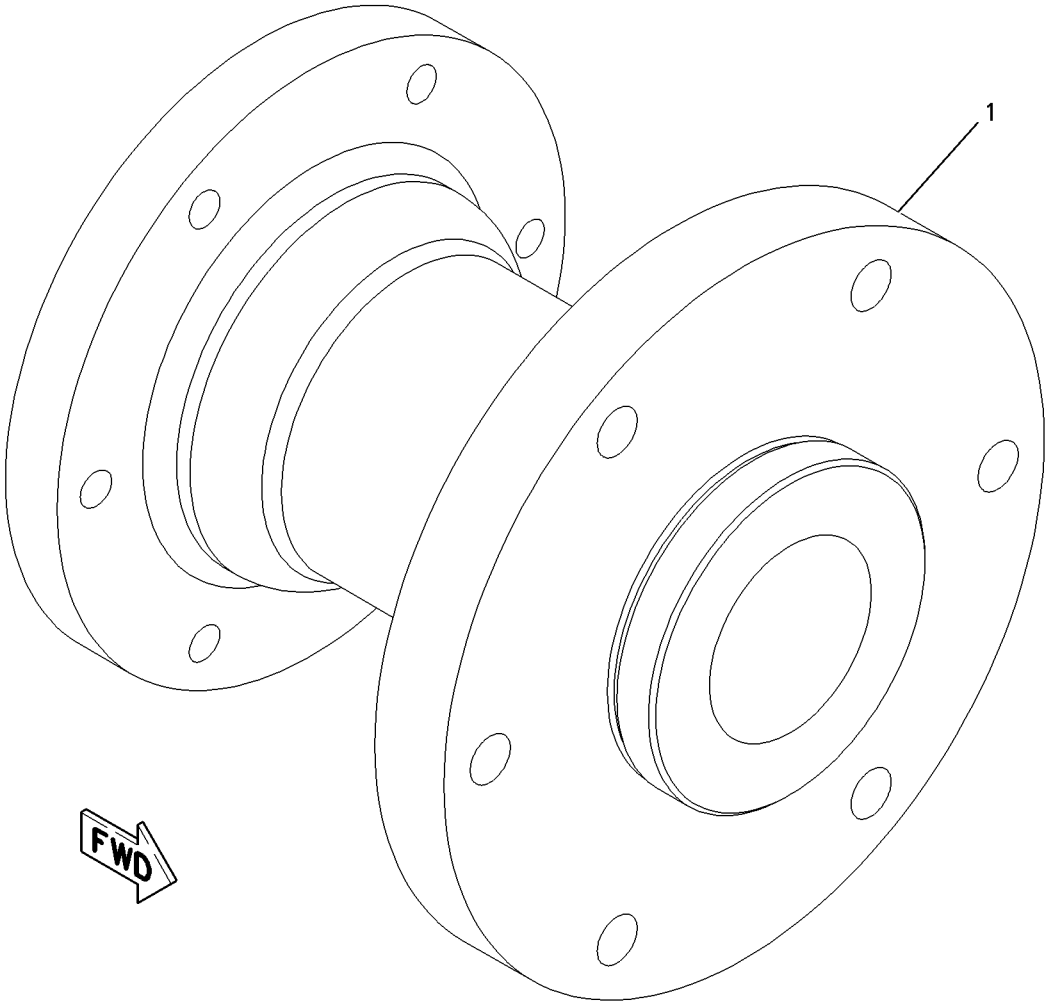
COOLING SYSTEM

228-8537 ADAPTER GP-FAN

FOR USE WITH FAN DRIVE AND 40 INCH BLOWER FAN ON E616- & E617-, FAN DRIVE AND 43 INCH BLOWER FAN ON E982-, E985-, E708-, & E709- AN ATTACHMENT

SMCS-1356, 1359 **i01894623**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3123**	1	ADAPTER-FAN	



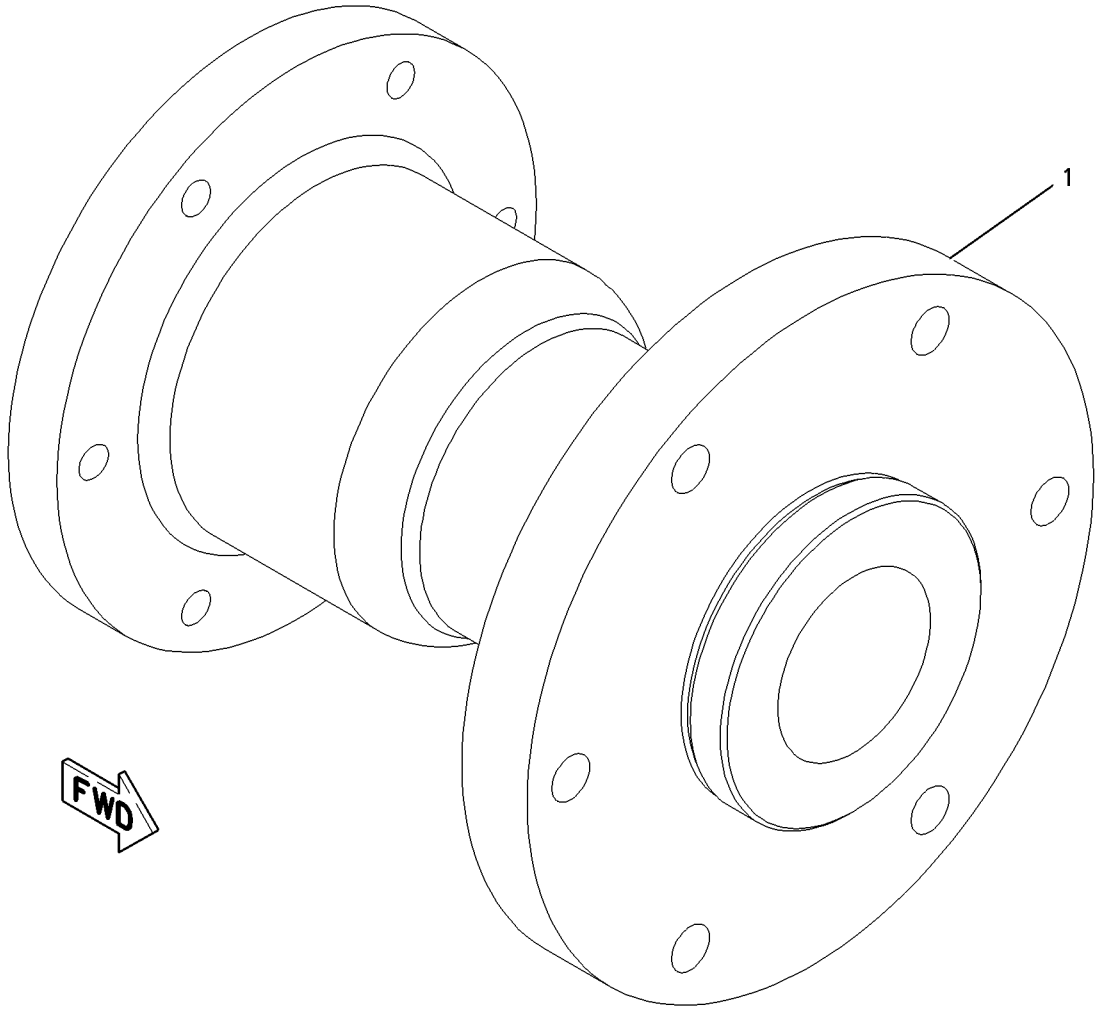
GRAPHIC #1 **<END>** g00986165

228-8538 ADAPTER GP-FAN

FOR USE WITH FAN DRIVE AND 40 INCH SUCTION FAN
AN ATTACHMENT

SMCS-1356, 1359 **i01894806**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**157-8072**	1	ADAPTER - FAN	



GRAPHIC #1 **<END>** g00986176

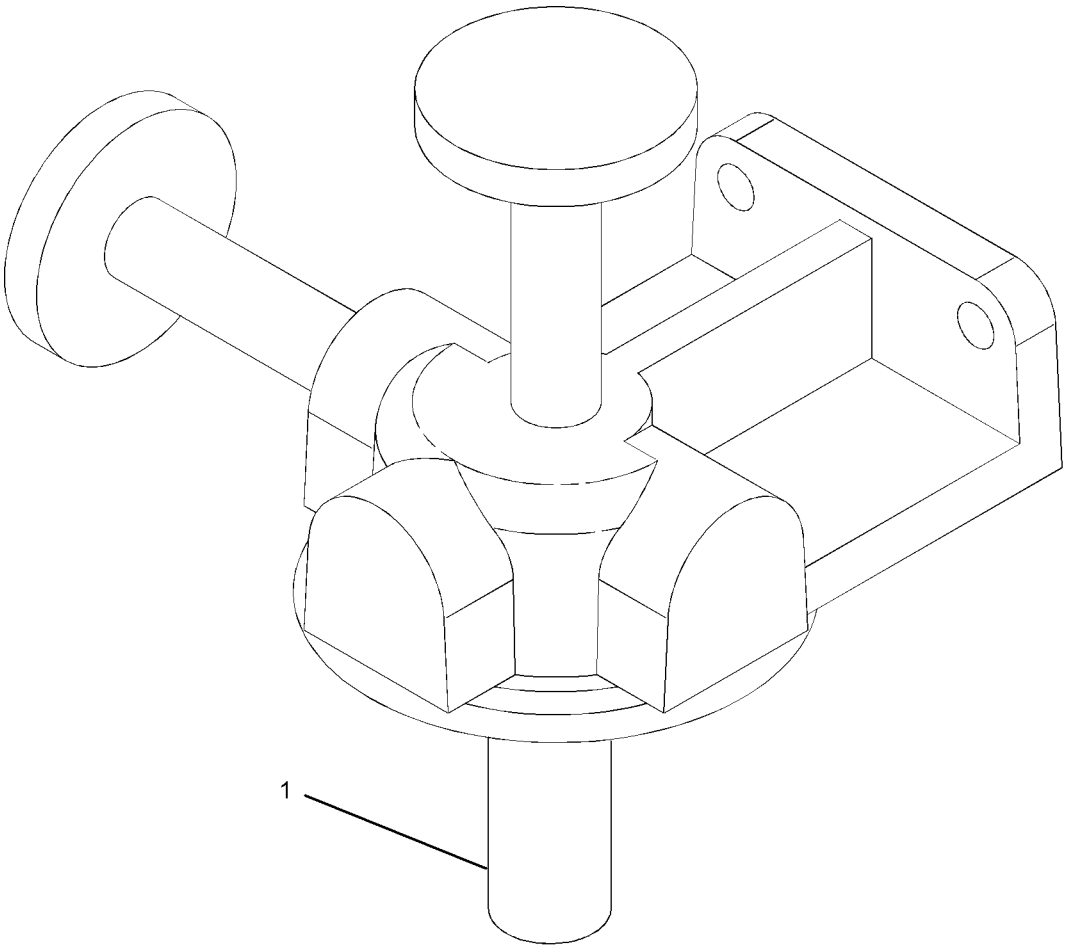
COOLING SYSTEM

9Y-3205 COOLANT CONDITIONER GP

PART OF 255-4652, 307-2575 COOLANT CONDITIONER GP
AN ATTACHMENT

SMCS-1352 **i02041983**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-3645**	1	STUD-TAPERLOCK	



GRAPHIC #1 **<END>** g01058131

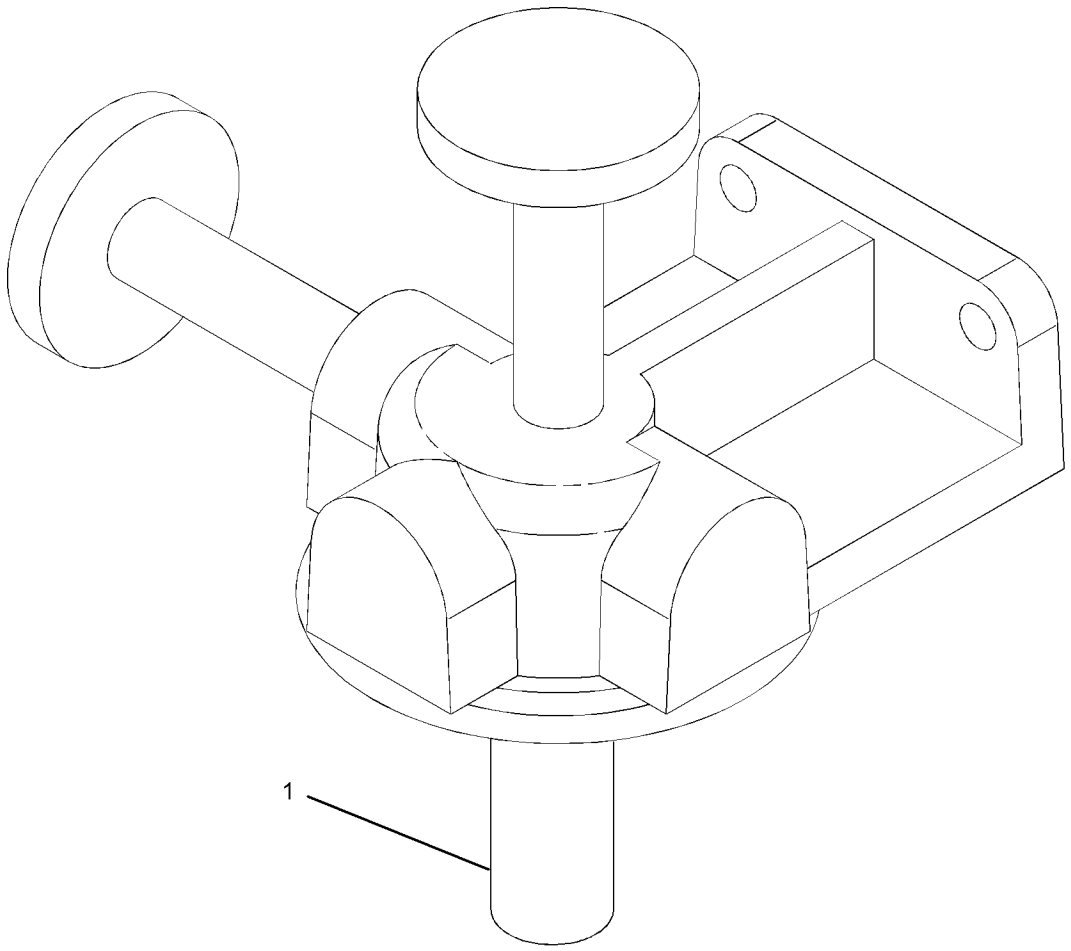
COOLING SYSTEM

236-6993 COOLANT CONDITIONER GP

AN ATTACHMENT

SMCS-1352 **i02301330**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-3645**	1	STUD-TAPERLOCK	



GRAPHIC #1 **<END>** g01058131

COOLING SYSTEM

240-7157 COOLANT CONDITIONER GP

RIGHT HAND MOUNTED

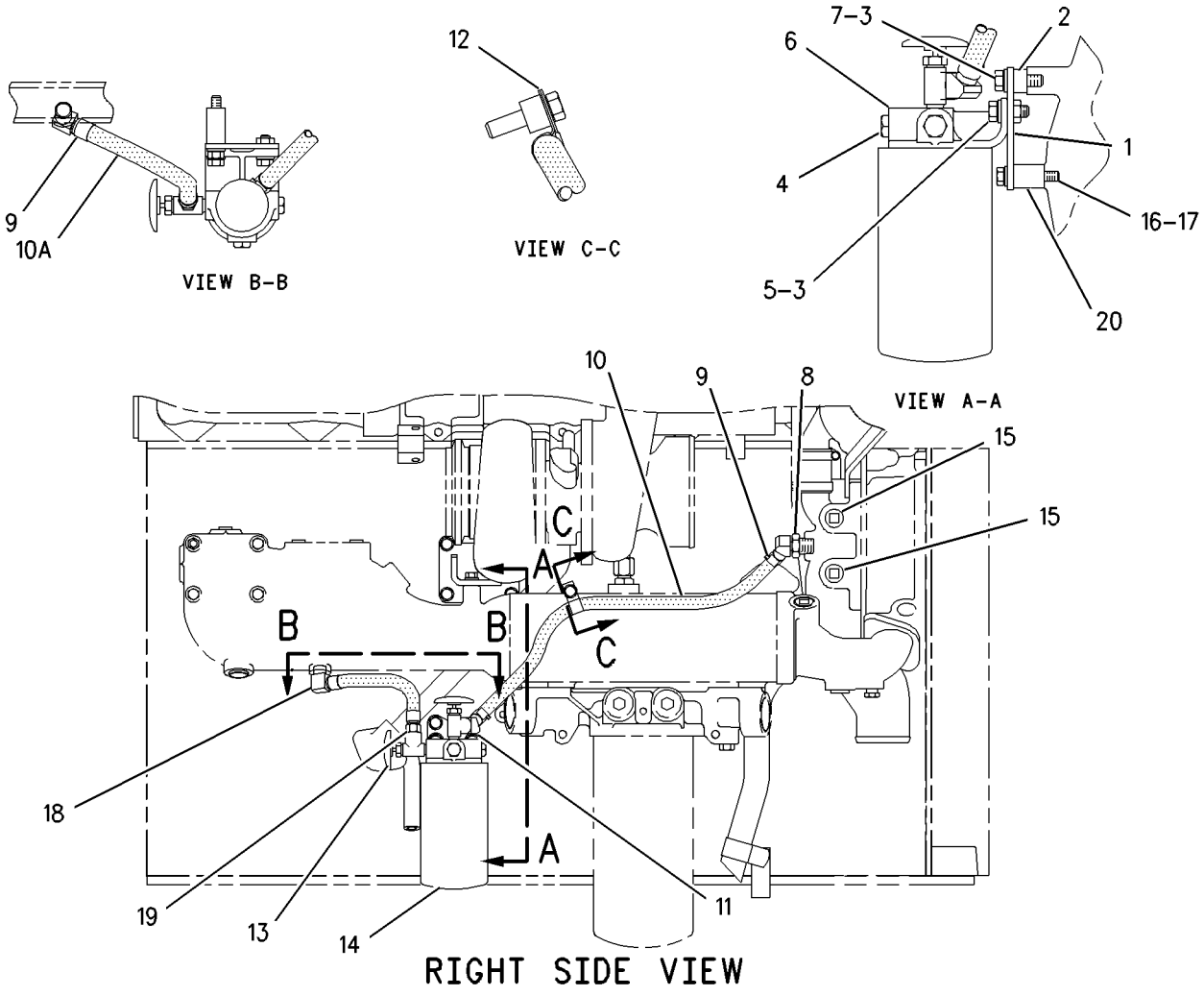
FOR USE WITH ACERT BLOCK AND HEAD. CANNOT BE USED WITH TRANSMISSION OIL COOLER

AN ATTACHMENT

SMCS-1352 **i02434549**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-7626**	1	PLATE AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	2	1	**171-4364**	1	SPACER (11X19X11.5-MM THK)	
	3	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**8T-6767**	2	PLUG-PIPE	
	5	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	6	1	**9N-3668**	1	BASE AS	
		1	**9N-3645**	1	STUD-TAPERLOCK	
	7	1	**0S-1588**	1	BOLT (3/8-16X1.25-IN)	
	8	1	**6B-4661**	1	BUSHING-REDUCER	
	9	1	**109-1145**	4	CLAMP-HOSE	
E	10	1	**101-2840**		HOSE (63-CM)	
E	10A	1	**101-2840**		HOSE (18-CM)	
	11	1	**030-0709**	2	FITTING (45-DEG ELBOW)	
	12	1	**8M-2773**	1	CLIP	
	13	1	**9N-3666**	2	VALVE-MANUAL (COOLANT SHUTOFF)	
J	14	1	**9N-6123**	1	FILTER-COOLANT CONDITIONER	
					—OR—	
A		1	**9N-3717**		FILTER-COOLANT CONDITIONER	
	15	1	**7X-7731**	2	PLUG-PIPE	
	16	1	**1A-9579**	1	BOLT (5/16-18X1.5-IN)	
	17	1	**9M-1974**	1	WASHER-HARD (8.8X16X2-MM THK)	
	18	1	**006-5490**	1	ELBOW	
	19	1	**003-7764**	1	END-HOSE	
	20	1	**144-8344**	1	SPACER (11X19X20-MM THK)	

A-NOT PART OF THIS GROUP
E-ORDER BY THE CENTIMETER
J-REFER TO CHART FOR COOLANT CONDITIONER INFORMATION



GRAPHIC #1

<END>

g00905862

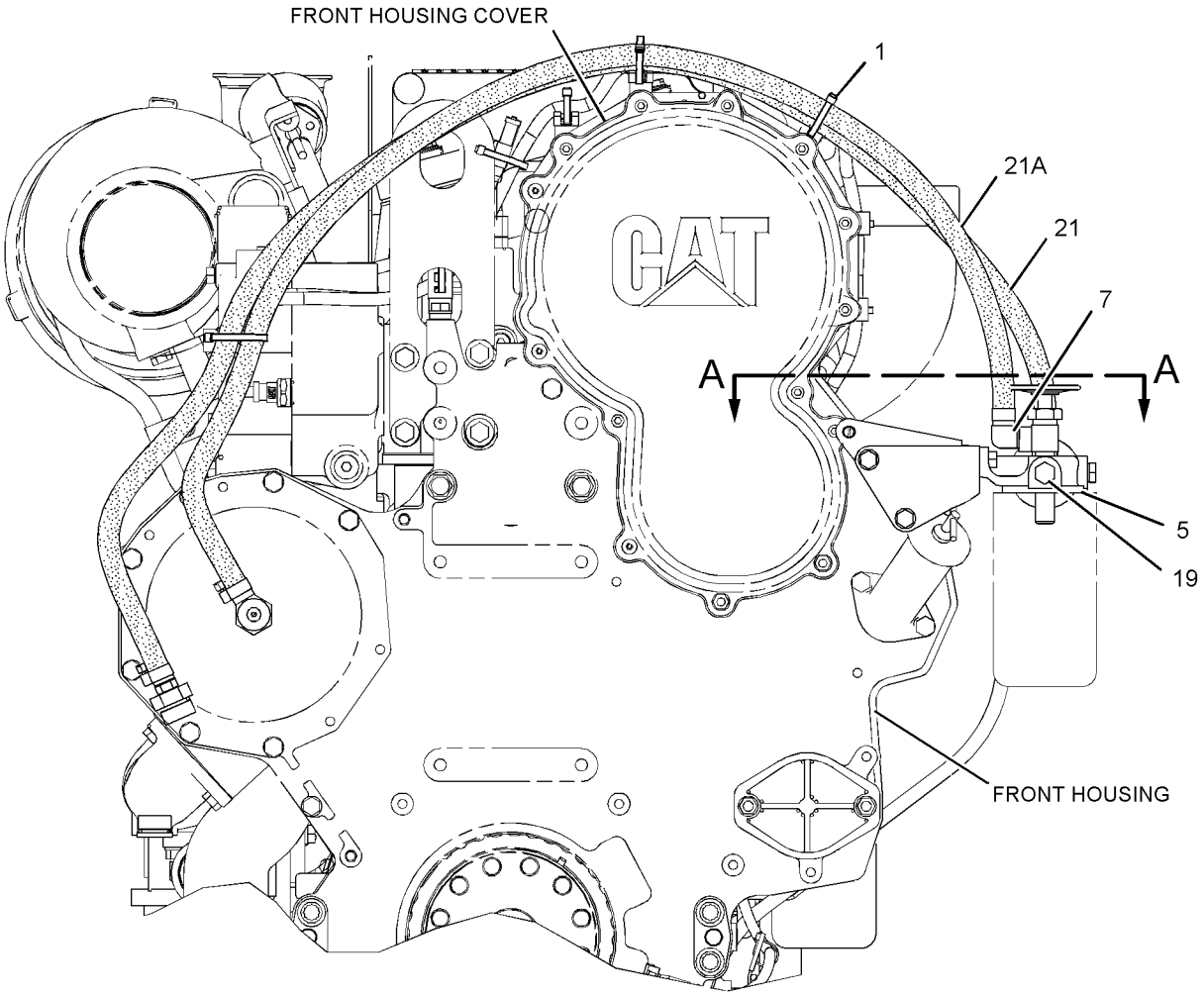
255-0659 COOLANT CONDITIONER GP

FOR USE WITH COOLANT ELEMENT, SINGLE AND TWIN TURBO
AN ATTACHMENT

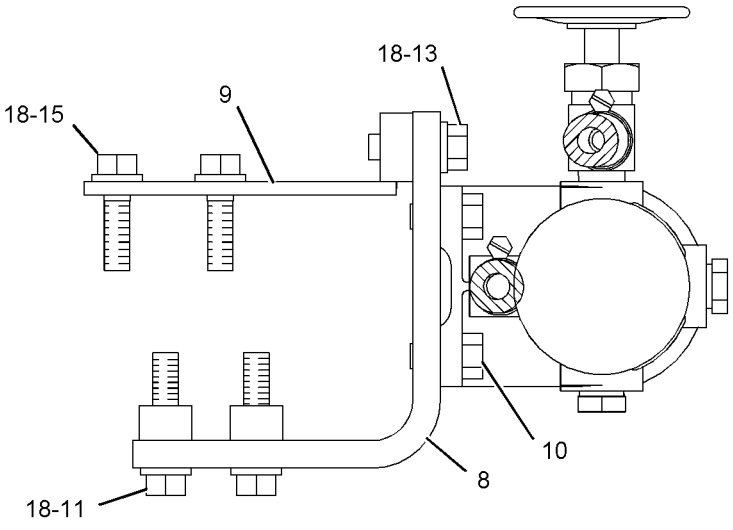
SMCS-1352 **i03641055**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	3	STRAP-CABLE	
	2	2	**5P-1046**	1	CONNECTOR	
	3	2	**5P-4924**	1	ELBOW	
	4	2	**9N-3666**	2	VALVE-MANUAL (COOLANT CONDITIONER)	
	5	1	**9N-3668**	1	BASE AS	
		1	**9N-3645**	1	STUD-TAPERLOCK	
	6	2	**003-7764**	1	END-HOSE	
	7	1	**006-5490**	1	ELBOW	
	8	1	**180-0056**	1	BRACKET AS	
		1	**9M-4136**	2	SPACER (0.438X0.75X0.5-IN THK)	
	9	1	**180-0057**	1	BRACKET AS	
		1	**7V-4240**	1	BLOCK	
	10	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	11	1	**0S-1571**	2	BOLT (3/8-16X1.75-IN)	
	12	2	**109-1145**	4	CLAMP-HOSE	
	13	1	**1A-2029**	1	BOLT (3/8-16X1.125-IN)	
	14	2	**2P-8421**	2	ADAPTER-O-RING	
	15	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	16	2	**3D-2824**	2	SEAL-O-RING	
	17	2	**3J-1907**	2	SEAL-O-RING	
	18	1	**5M-2894**	5	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	19	1,2	**8T-6767**	2	PLUG-PIPE	
	20	2	*148-8409*	1	PLUG AS	
		2	**9S-8008**	1	PLUG-O-RING	
		2	**3D-2824**	1	SEAL-O-RING	
E	21	1	**101-2840**		HOSE (146-CM)	
E	21A	1	**101-2840**		HOSE (140-CM)	

E-ORDER BY THE CENTIMETER

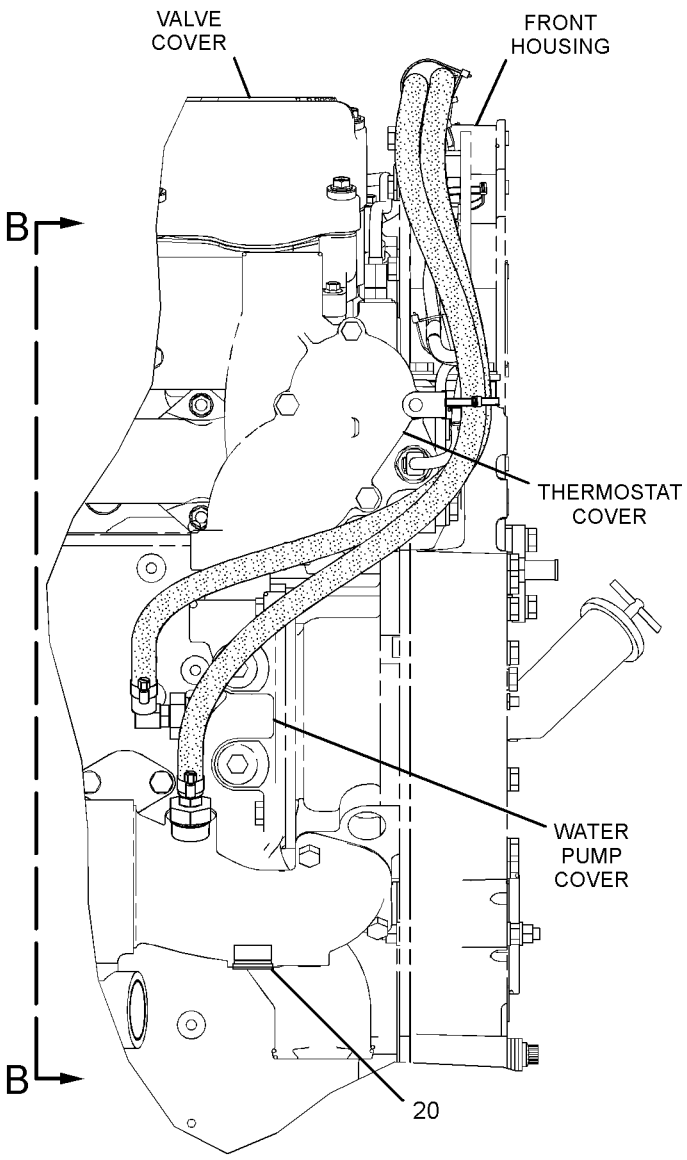


FRONT VIEW

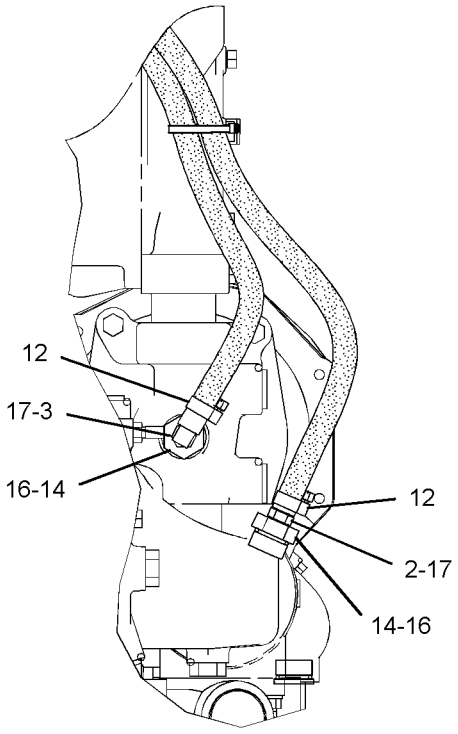


SECTION A-A

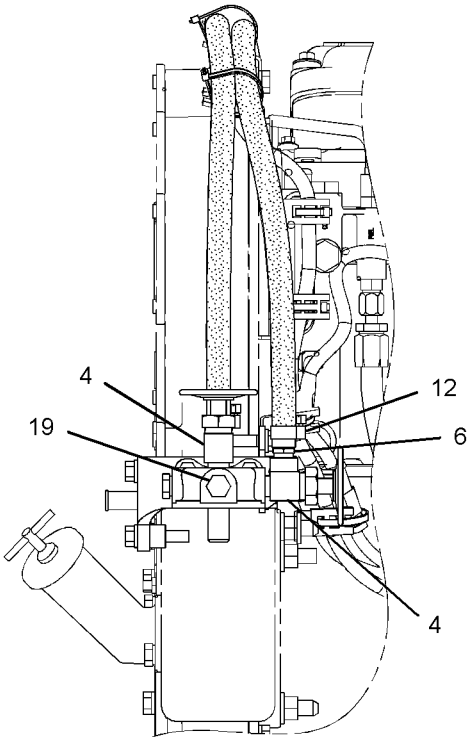
GRAPHIC #1 g01124065



RIGHT SIDE VIEW



SECTION B-B



LEFT SIDE VIEW

GRAPHIC #2 **<END>** g01421678

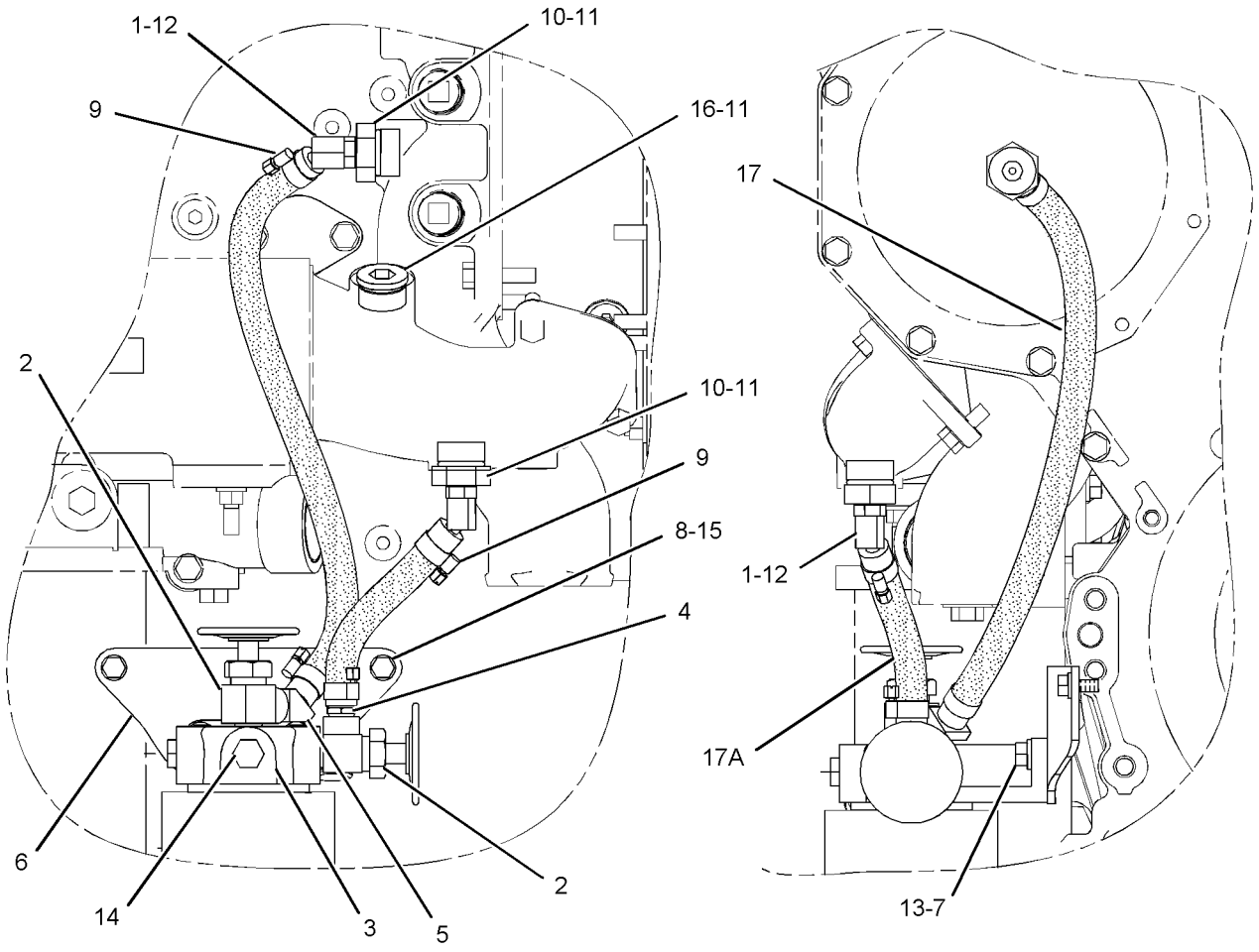
255-4652 COOLANT CONDITIONER GP

S/N: JRE1-189
FOR USE WITH COOLANT ELEMENT, SINGLE AND TWIN TURBO
AN ATTACHMENT

SMCS-1352 **i02183116**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-1448**	2	ELBOW	
	2	1	**9N-3666**	2	VALVE-MANUAL (COOLANT CONDITIONER)	
Y	3	1	**9Y-3205**	1	COOLANT CONDITIONER GP	474
	4	1	**003-7764**	1	END-HOSE	
	5	1	**030-0709**	1	FITTING (45-DEG ELBOW)	
	6	1	**255-4653**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	7	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	8	1	**0S-1617**	2	BOLT (5/16-18X0.75-IN)	
	9	1	**109-1145**	4	CLAMP-HOSE	
	10	1	**2P-8421**	2	ADAPTER-O-RING	
	11	1	**3D-2824**	3	SEAL-O-RING	
	12	1	**3J-1907**	2	SEAL-O-RING	
	13	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	14	1	**8T-6767**	2	PLUG-PIPE	
	15	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	16	1	**9S-8008**	1	PLUG-O-RING	
E	17	1	**101-2840**		HOSE (40-CM)	
E	17A	1	**101-2840**		HOSE (14-CM)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01124201

255-4652 COOLANT CONDITIONER GP

S/N: JRE190-5354

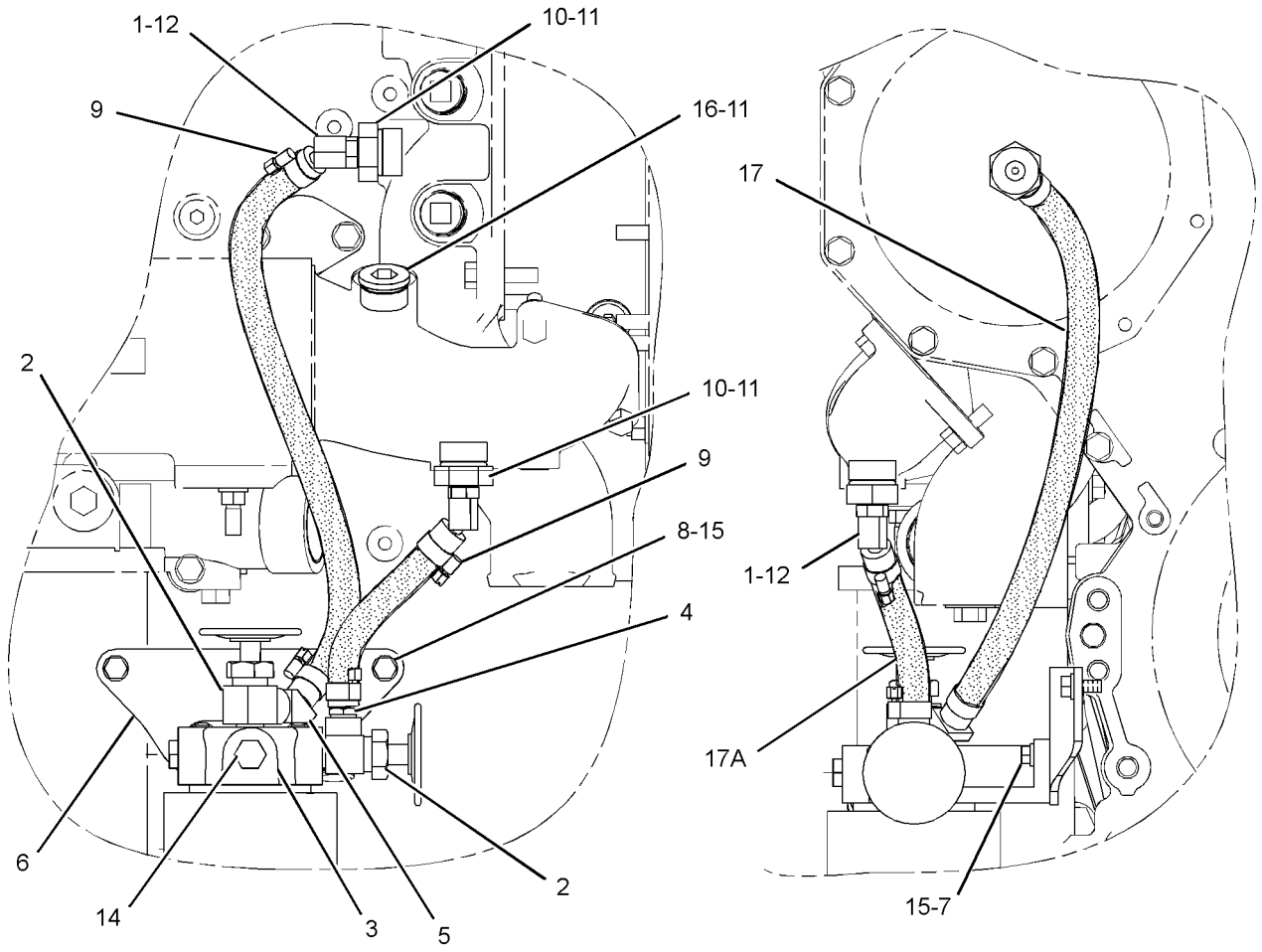
FOR USE WITH COOLANT ELEMENT, SINGLE AND TWIN TURBO

AN ATTACHMENT

SMCS-1352 **i02346581**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-1448**	2	ELBOW	
	2	1	**9N-3666**	2	VALVE-MANUAL (COOLANT CONDITIONER)	
Y	3	1	**9Y-3205**	1	COOLANT CONDITIONER GP	474
	4	1	**003-7764**	1	END-HOSE	
	5	1	**030-0709**	1	FITTING (45-DEG ELBOW)	
	6	1	**255-4653**	1	BRACKET AS	
C		1	**4K-9097**	2	NUT-WELD (5/16-18-THD)	
C	7	1	**0S-1618**	2	BOLT (5/16-18X1-IN)	
	8	1	**0S-1617**	2	BOLT (5/16-18X0.75-IN)	
	9	1	**109-1145**	4	CLAMP-HOSE	
	10	1	**2P-8421**	2	ADAPTER-O-RING	
	11	1	**3D-2824**	3	SEAL-O-RING	
	12	1	**3J-1907**	2	SEAL-O-RING	
	14	1	**8T-6767**	2	PLUG-PIPE	
C	15	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	16	1	**9S-8008**	1	PLUG-O-RING	
E	17	1	**101-2840**		HOSE (40-CM)	
E	17A	1	**101-2840**		HOSE (14-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01158728

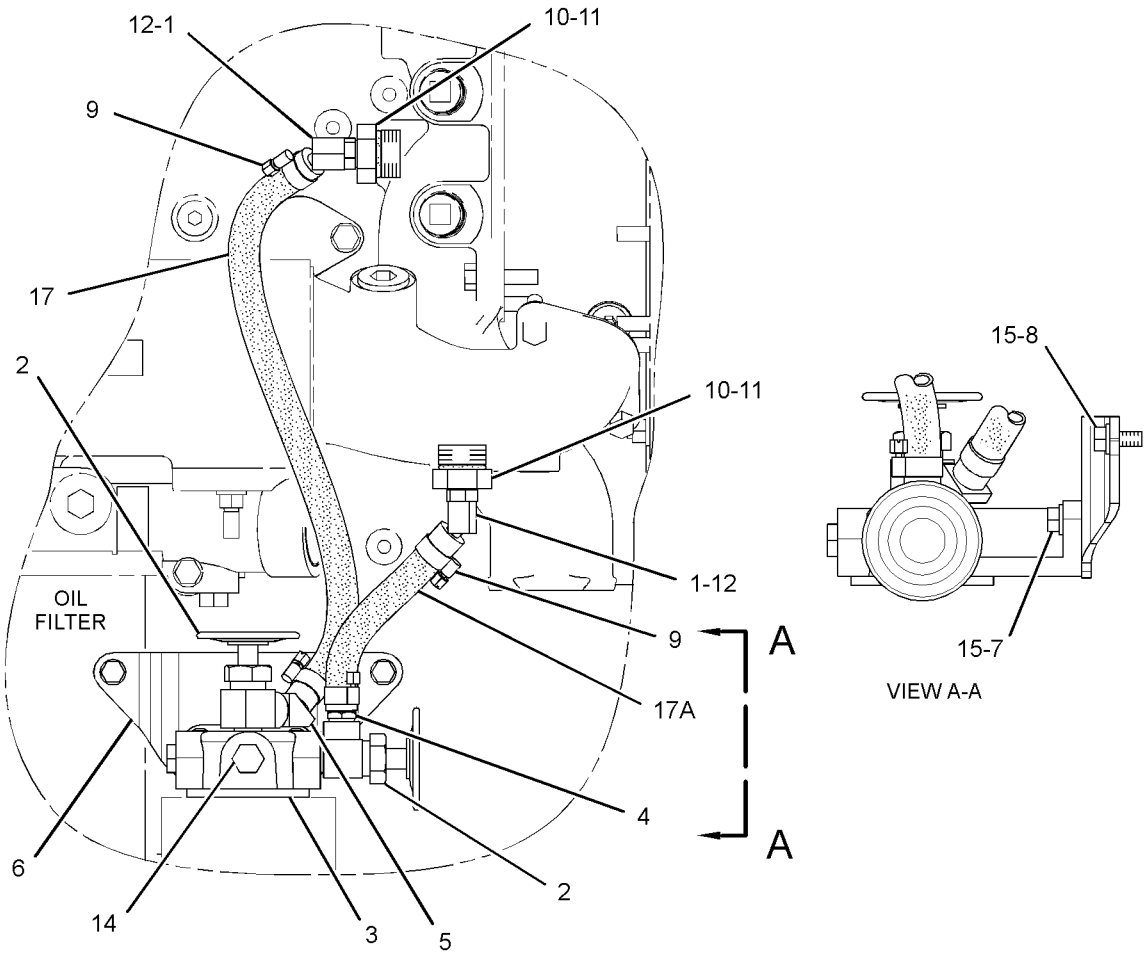
255-4652 COOLANT CONDITIONER GP

FOR USE WITH COOLANT ELEMENT, SINGLE AND TWIN TURBO
AN ATTACHMENT

SMCS-1352 **i02883914**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-1448**	2	ELBOW	
Y	2	1	**9N-3666**	2	VALVE-MANUAL (COOLANT CONDITIONER)	595
Y	3	1	**9Y-3205**	1	COOLANT CONDITIONER GP	474
	4	1	**003-7764**	1	END-HOSE	
	5	1	**030-0709**	1	FITTING (45-DEG ELBOW)	
	6	1	**255-4653**	1	BRACKET AS	
		1	**4K-9097**	2	NUT-WELD (5/16-18-THD)	
	7	1	**0S-1618**	2	BOLT (5/16-18X1-IN)	
	8	1	**0S-1617**	2	BOLT (5/16-18X0.75-IN)	
	9	1	**109-1145**	4	CLAMP-HOSE	
	10	1	**2P-8421**	2	ADAPTER-O-RING	
C	11	1	**3D-2824**	2	SEAL-O-RING	
	12	1	**3J-1907**	2	SEAL-O-RING	
	14	1	**8T-6767**	2	PLUG-PIPE	
	15	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
E	17	1	**101-2840**		HOSE (40-CM)	
E	17A	1	**101-2840**		HOSE (14-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01454751

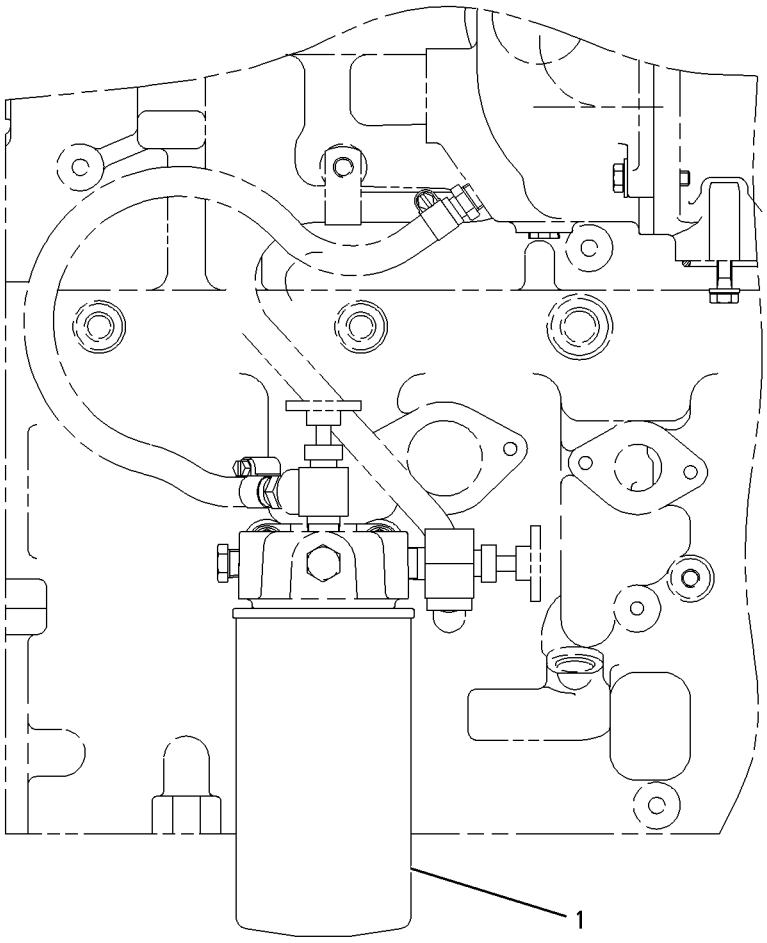
COOLING SYSTEM

256-0361 COOLANT CONDITIONER GP

FOR USE WITH DRY CHARGE COOLANT CONDITIONER, COOLING SYSTEM SIZE OF 63-115 LITERS
AN ATTACHMENT

SMCS-1352 **i02757123**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-3367**	1	FILTER-COOLANT CONDITIONER (PRECHARGE)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00869859

COOLING SYSTEM

307-2575 COOLANT CONDITIONER GP

S/N: JRE1-5354

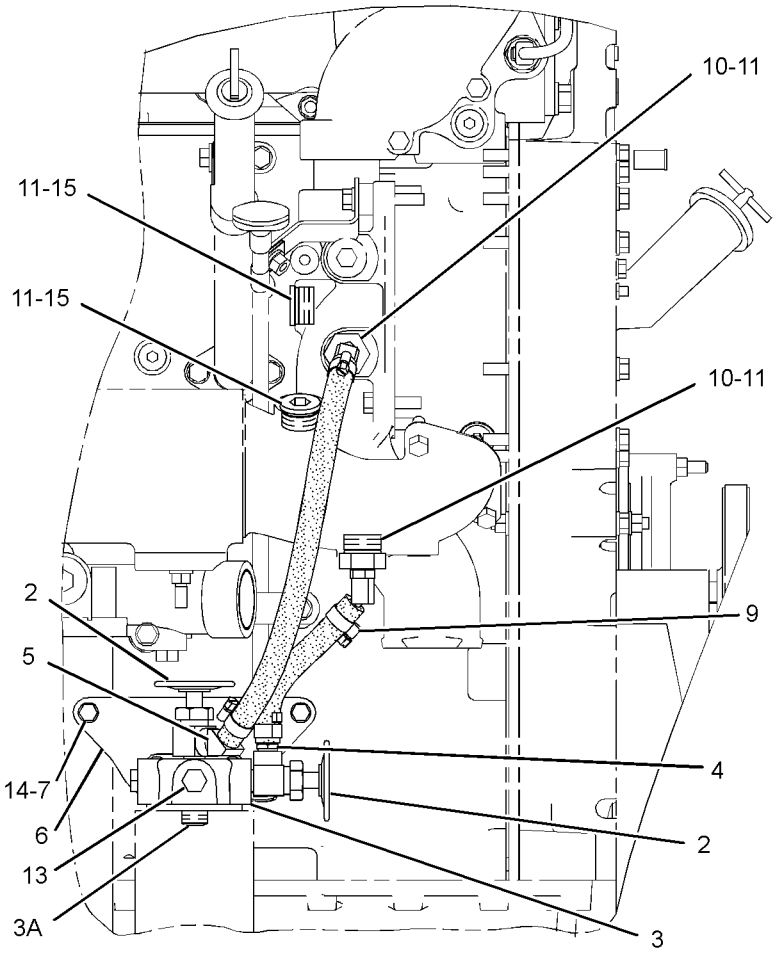
FOR USE WITH TIER III INDUSTRAL ENGINE. CANNOT BE USED WITH RADIATOR GP.

AN ATTACHMENT

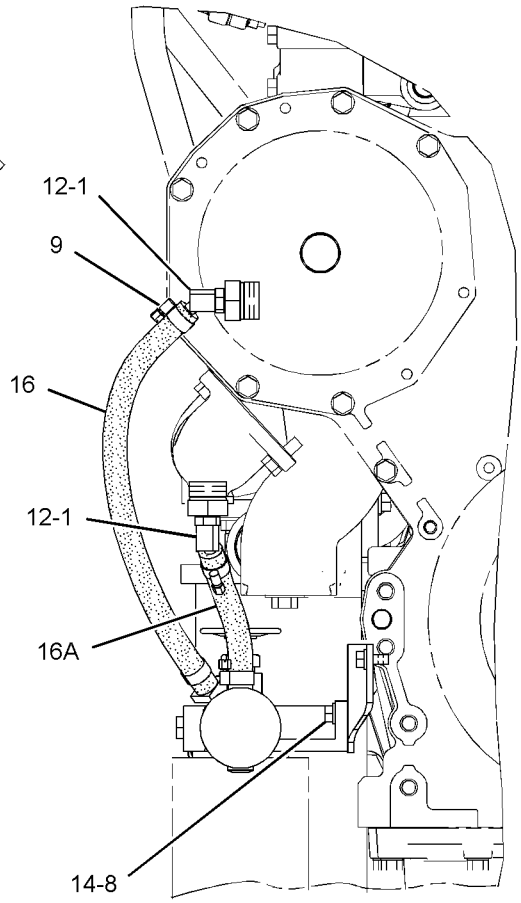
SMCS-1352 **i02728696**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-1448**	2	ELBOW	
Y	2	1	**9N-3666**	2	VALVE-MANUAL (COOLANT CONDITIONER)	595
	3	1	**9Y-3205**	1	COOLANT CONDITIONER GP	
	3A	1	**9N-3645**	1	STUD-TAPERLOCK	
	4	1	**003-7764**	1	END-HOSE	
	5	1	**030-0709**	1	FITTING (45-DEG ELBOW)	
	6	1	**255-4653**	1	BRACKET AS	
		1	**4K-9097**	2	NUT-WELD (5/16-18-THD)	
	7	1	**0S-1617**	2	BOLT (5/16-18X0.75-IN)	
	8	1	**0S-1618**	2	BOLT (5/16-18X1-IN)	
	9	1	**109-1145**	4	CLAMP-HOSE	
	10	1	**2P-8421**	2	ADAPTER-O-RING	
	11	1	**3D-2824**	4	SEAL-O-RING	
	12	1	**3J-1907**	2	SEAL-O-RING	
	13	1	**8T-6767**	2	PLUG-PIPE	
	14	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	15	1	**9S-8008**	2	PLUG-O-RING	
E	16	1	**101-2840**		HOSE (36-CM)	
E	16A	1	**101-2840**		HOSE (14-CM)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW OF ENGINE



FRONT VIEW OF ENGINE

GRAPHIC #1 **<END>** g01373783

307-2575 COOLANT CONDITIONER GP

S/N: JRE5355-UP

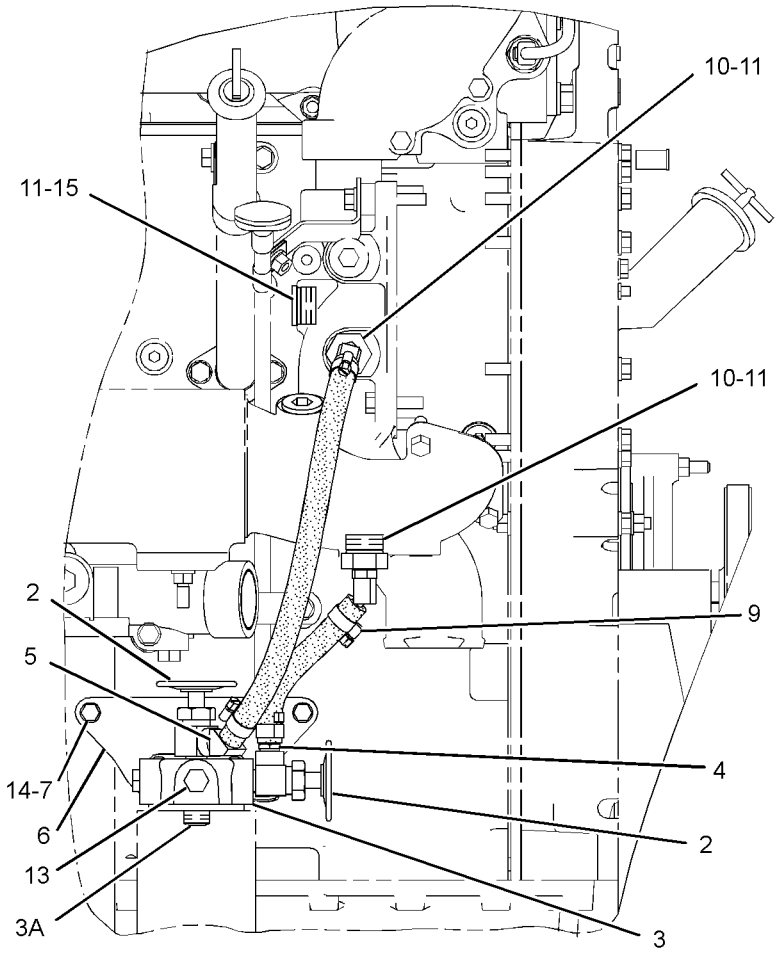
FOR USE WITH TIER III INDUSTRAL ENGINE. CANNOT BE USED WITH RADIATOR GP.

AN ATTACHMENT

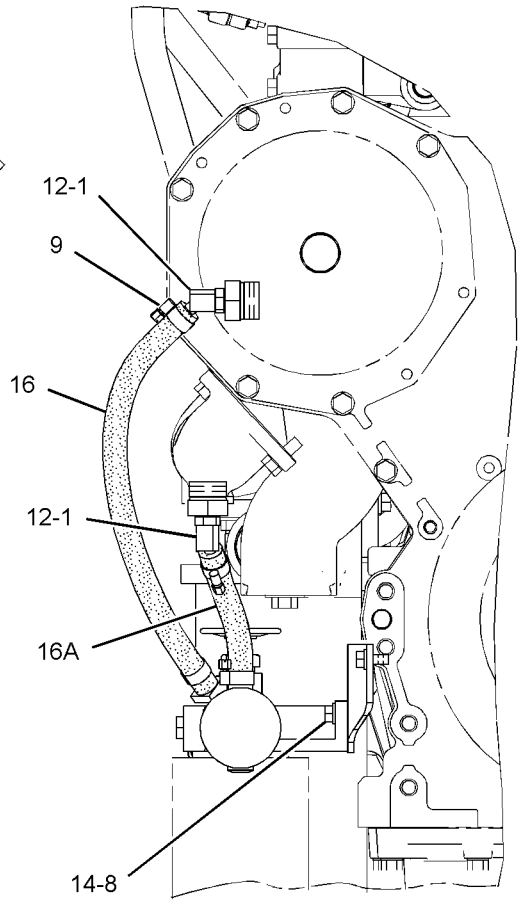
SMCS-1352 **i03027025**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-1448**	2	ELBOW	
Y	2	1	**9N-3666**	2	VALVE-MANUAL (COOLANT CONDITIONER)	595
Y	3	1	**9Y-3205**	1	COOLANT CONDITIONER GP	474
	3A	1	**9N-3645**	1	STUD-TAPERLOCK	
	4	1	**003-7764**	1	END-HOSE	
	5	1	**030-0709**	1	FITTING (45-DEG ELBOW)	
	6	1	**255-4653**	1	BRACKET AS	
		1	**4K-9097**	2	NUT-WELD (5/16-18-THD)	
	7	1	**0S-1617**	2	BOLT (5/16-18X0.75-IN)	
	8	1	**0S-1618**	2	BOLT (5/16-18X1-IN)	
	9	1	**109-1145**	4	CLAMP-HOSE	
	10	1	**2P-8421**	2	ADAPTER-O-RING	
C	11	1	**3D-2824**	3	SEAL-O-RING	
	12	1	**3J-1907**	2	SEAL-O-RING	
	13	1	**8T-6767**	2	PLUG-PIPE	
	14	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
C	15	1	**9S-8008**	1	PLUG-O-RING	
E	16	1	**101-2840**		HOSE (36-CM)	
E	16A	1	**101-2840**		HOSE (14-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW OF ENGINE



FRONT VIEW OF ENGINE

GRAPHIC #1 **<END>** g01426408

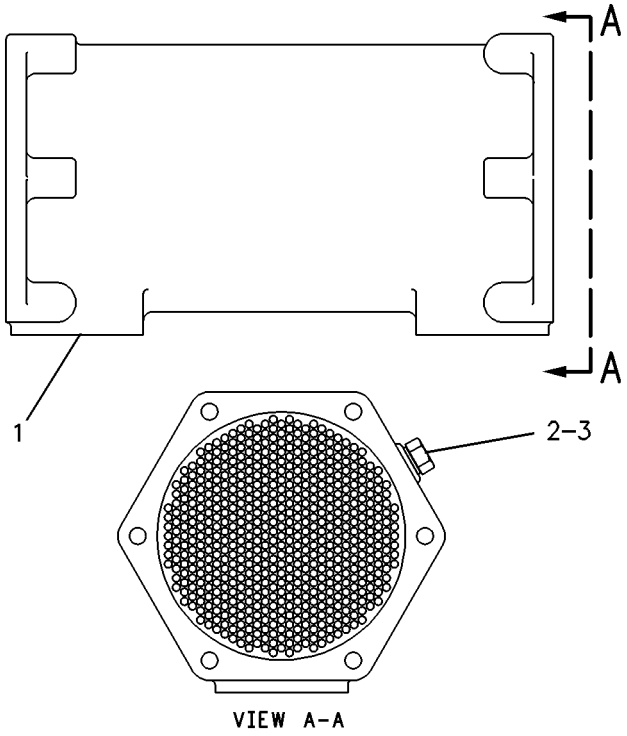
4P-7731 CORE GP-OIL COOLER–TRANSMISSION*R

PART OF 203-7723, 255-9247, 255-9249 LINES GP-WATER
AN ATTACHMENT

SMCS-1378 **i03205361**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
R	1	1	**7E-2660**	1	CORE GP-OIL COOLER (TRANSMISSION)	
	2	1	**3K-8460**	1	PLUG	
	3	1	**5P-7814**	1	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE



VIEW A-A

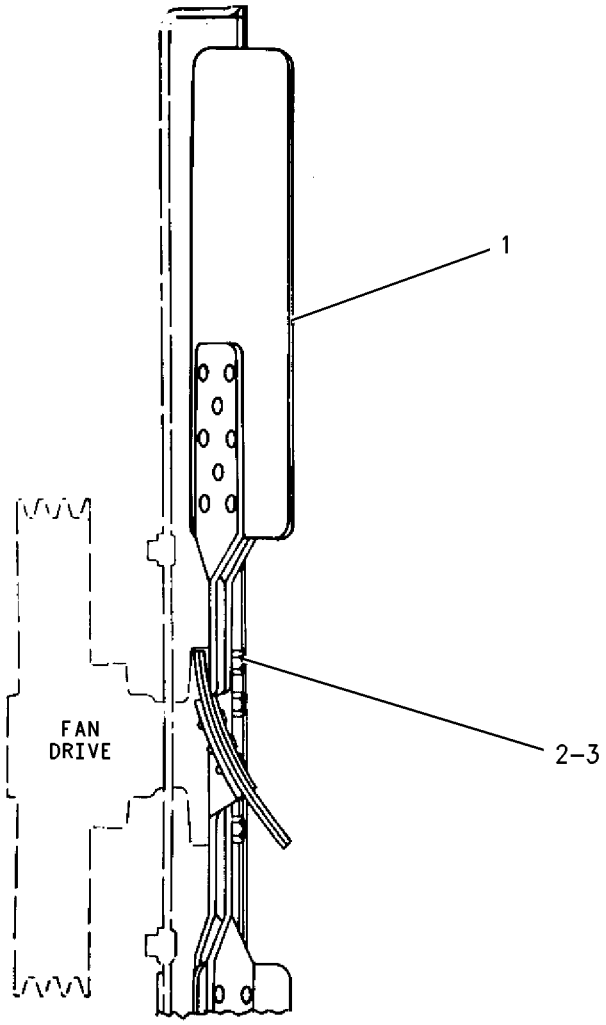
GRAPHIC #1 **<END>** g00233484

4N-3093 FAN GP-BLOWER

1016-MM (40-INCH)DIAMETER
AN ATTACHMENT

SMCS-1356, 1360 **i02728886**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3091**	1	SPIDER AS (8-BLADE)	
	2	1	**5P-2566**	6	BOLT (1/2-13X1.5-IN)	
	3	1	**8T-4223**	6	WASHER-HARD (13.5X25.5X3-MM THK)	



GRAPHIC #1 **<END>** g00723269

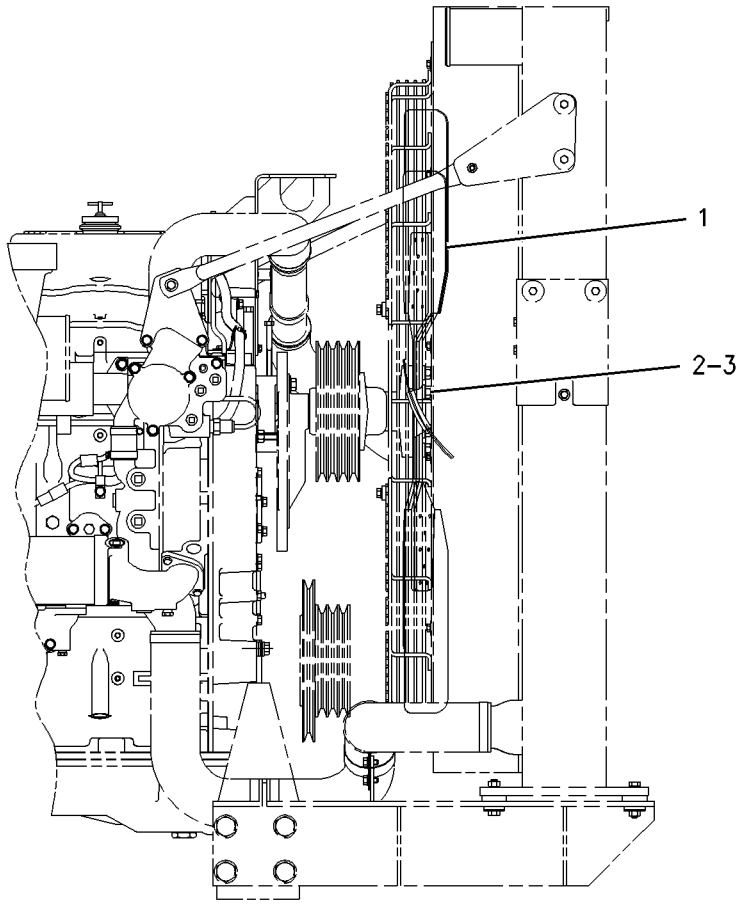
COOLING SYSTEM

158-2528 FAN GP-BLOWER

1092 MM (43 IN)
AN ATTACHMENT

SMCS-1356, 1360 **i03206661**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-2687**	1	SPIDER AS-FAN (8-BLADE)	
	2	1	**0S-1587**	6	BOLT (1/2-13X1.75-IN)	
	3	1	**2M-0849**	6	WASHER-HARD (13.5X25.5X5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00550238

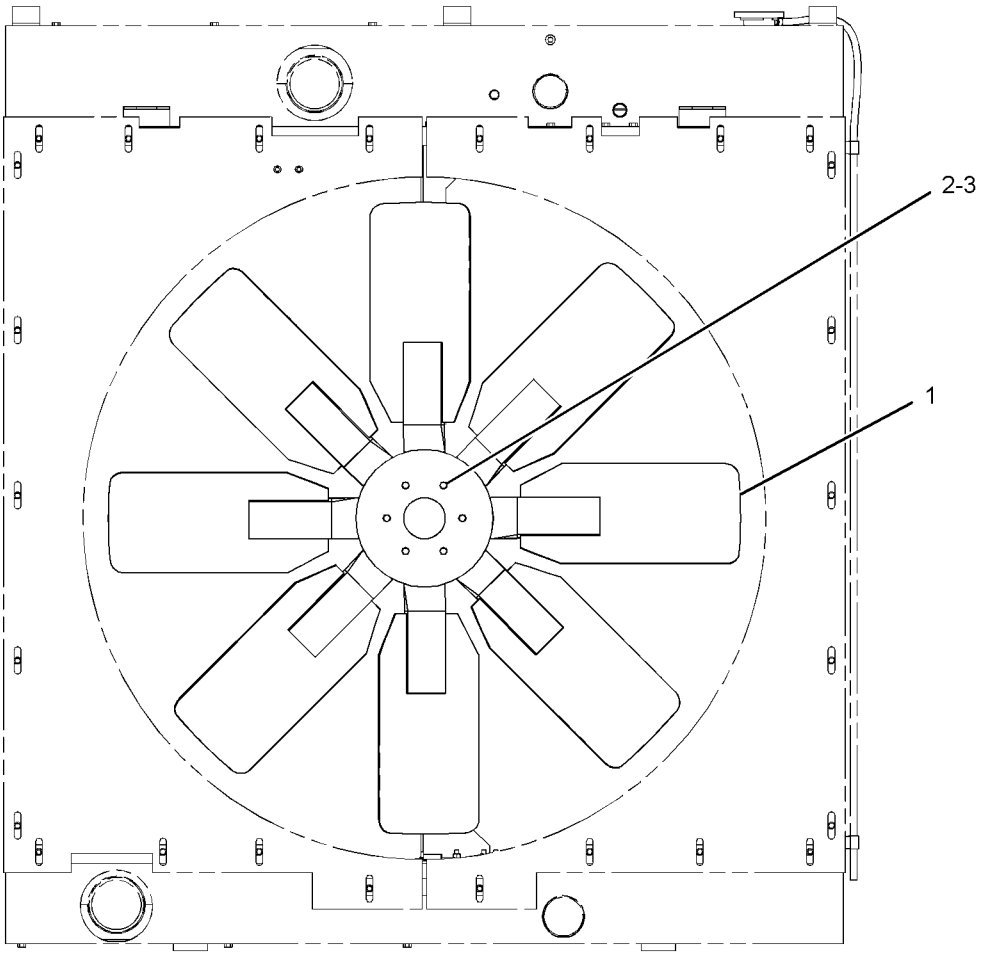
COOLING SYSTEM

305-1514 FAN GP-BLOWER

48-INCH DIAMETER
FOR USE WITH 296-9791—PAGE 575
AN ATTACHMENT

SMCS-1356, 1360 **i03206665**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**133-9020**	1	SPIDER AS-FAN (8-BLADE)	
	2	1	**8T-8919**	6	BOLT (1/2-13X1.75-IN)	
	3	1	**8T-4223**	6	WASHER-HARD (13.5X25.5X3-MM THK)	



REAR VIEW OF ENGINE

GRAPHIC #1

<END>

g01373678

COOLING SYSTEM

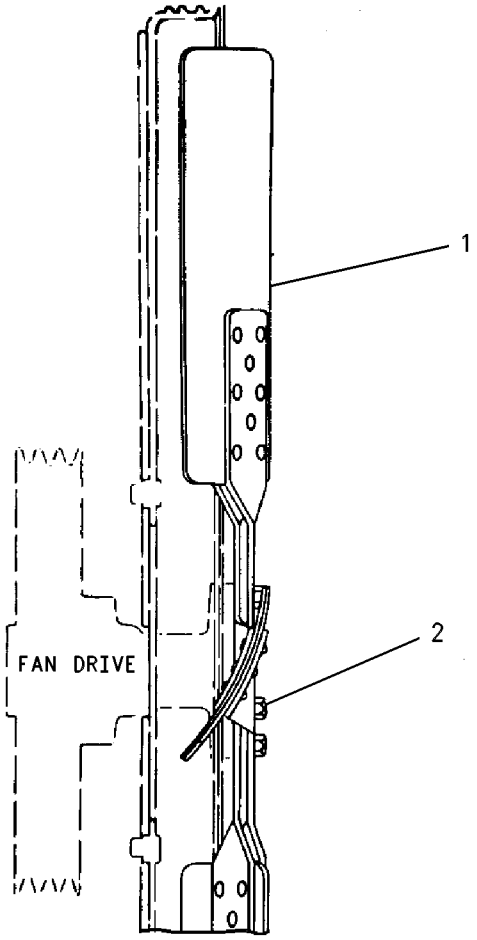
4N-3094 FAN GP-SUCTION

40-INCH DIAMETER

AN ATTACHMENT

SMCS-1356 **i02728911**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3092**	1	SPIDER AS (8-BLADE)	
	2	1	**5P-2566**	6	BOLT (1/2-13X1.5-IN)	
		1	**8T-4223**	6	WASHER-HARD (13.5X25.5X3-MM THK)	



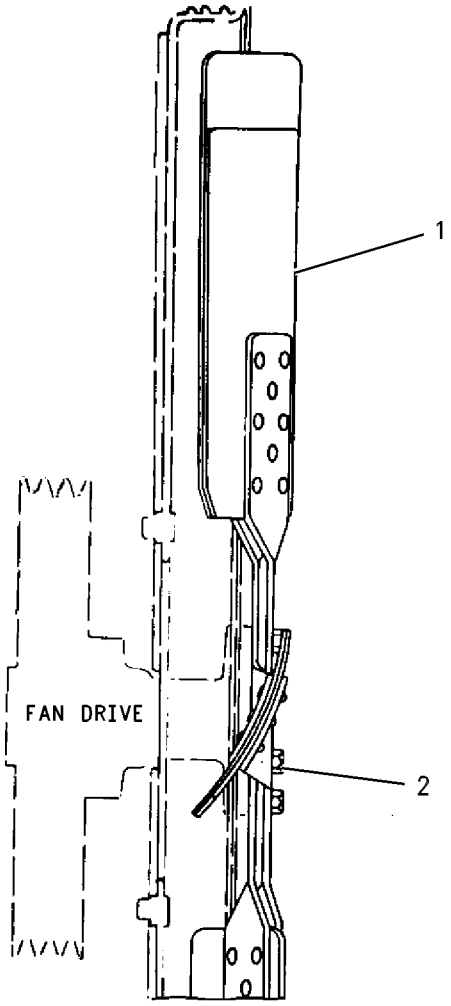
GRAPHIC #1 **<END>** g00567378

4N-3466 FAN GP-SUCTION

1168-MM (46-INCH) DIAMETER
FOR USE WITH SAE STANDARD ENGINE ROTATION
AN ATTACHMENT

SMCS-1356 **i02362361**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3338**	1	SPIDER AS (8-BLADE)	
	2	1	**0S-1587**	6	BOLT (1/2-13X1.75-IN)	
		1	**2M-0849**	6	WASHER-HARD (13.5X25.5X5-MM THK)	



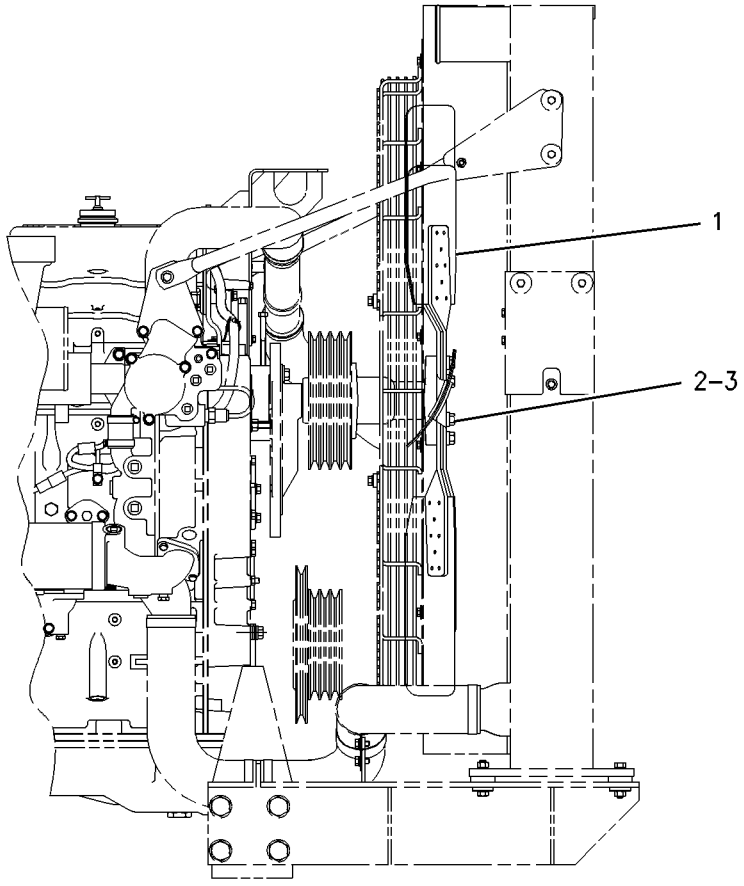
GRAPHIC #1 **<END>** g00567437

158-2529 FAN GP-SUCTION

1092-MM (43 IN) DIAMETER
AN ATTACHMENT

SMCS-1356 **i03206663**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0263**	1	SPIDER AS-FAN (8-BLADE)	
	2	1	**0S-1587**	6	BOLT (1/2-13X1.75-IN)	
	3	1	**2M-0849**	6	WASHER-HARD (13.5X25.5X5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00550236

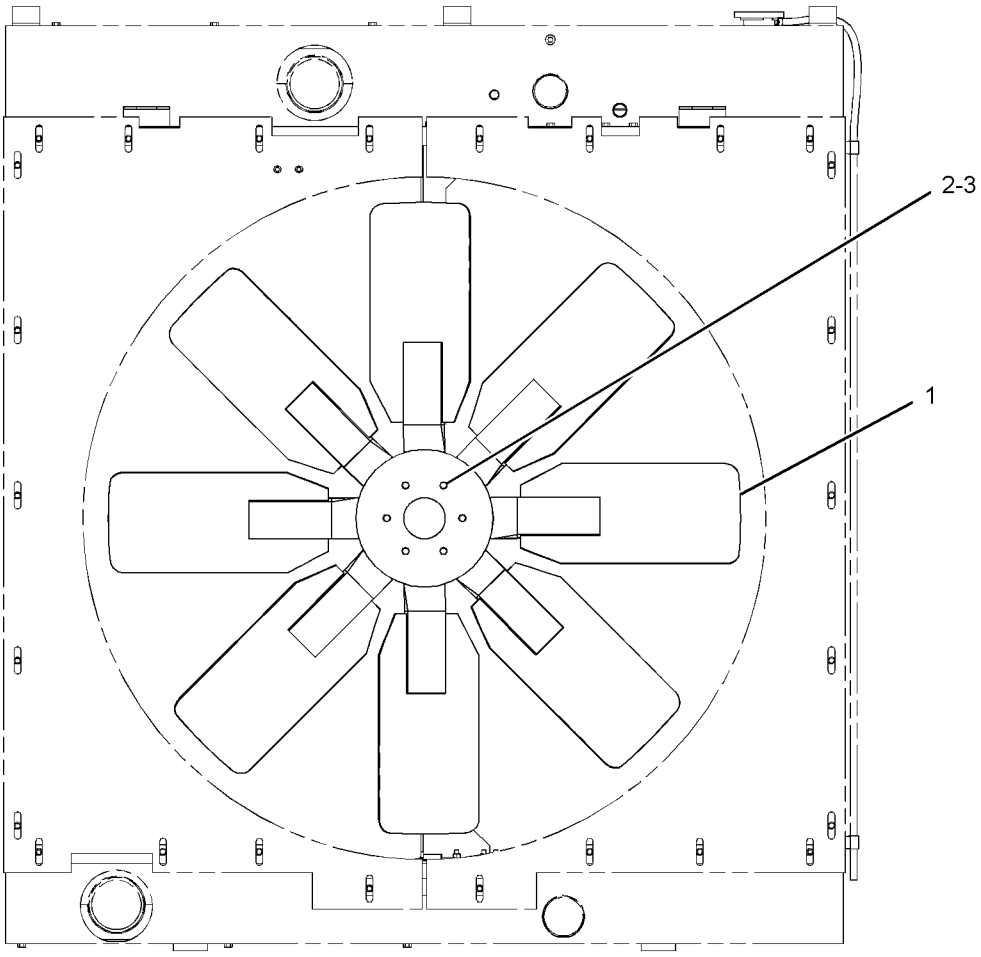
COOLING SYSTEM

305-1513 FAN GP-SUCTION

48-INCH DIAMETER
FOR USE WITH 296-9791—PAGE 575
AN ATTACHMENT

SMCS-1356 **i03206664**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-4150**	1	SPIDER AS-FAN (8-BLADE)	
	2	1	**8T-8919**	6	BOLT (1/2-13X1.75-IN)	
	3	1	**8T-4223**	6	WASHER-HARD (13.5X25.5X3-MM THK)	



REAR VIEW OF ENGINE

GRAPHIC #1 g01373678

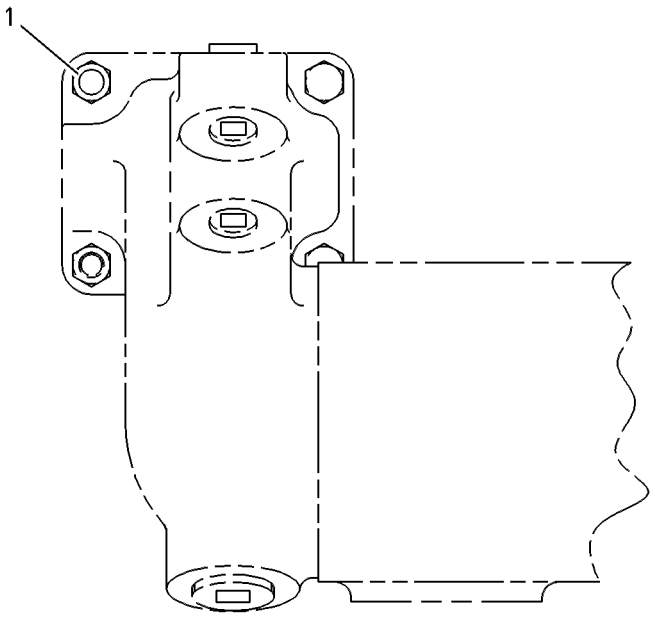
<END>

109-2374 FASTENER GP-OIL COOLER—ENGINE

PROVIDES MOUNTING BOLT FOR OIL COOLER BONNET WHEN RH REAR OIL LEVEL GAUGE IS PROVIDED
FOR USE WITH 203-7723—PAGE 513
AN ATTACHMENT

SMCS-1378 **i00702677**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**129-3172**		STUD-MOUNTING (3/8-16X1.564-IN)	



RIGHT SIDE VIEW

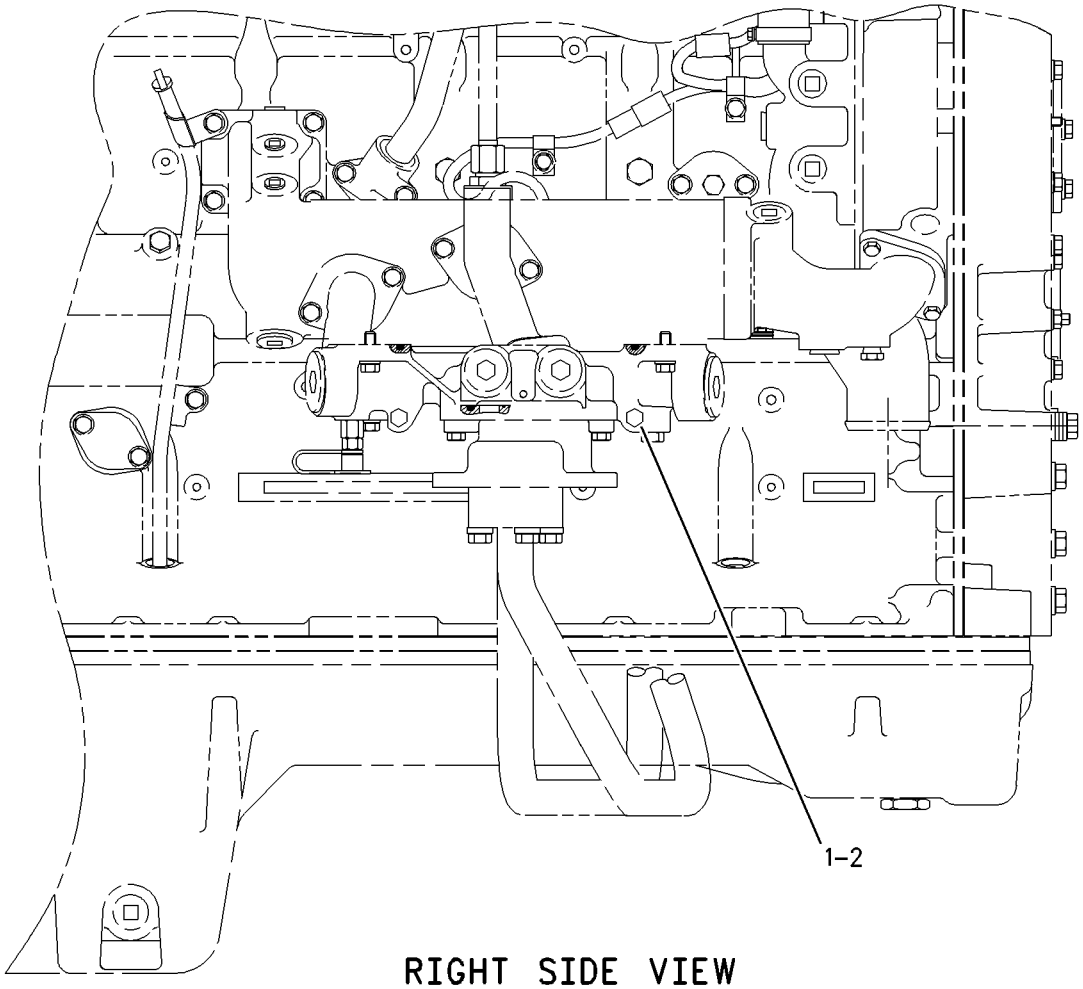
GRAPHIC #1 **<END>** g00260924

224-0754 FASTENER GP-OIL COOLER—ENGINE

FOR USE WITH STANDARD OIL FILTER OR LH REMOTE MOUNTED FILTER
AN ATTACHMENT

SMCS-1378 **i02332385**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1608**	2	BOLT (3/8-16X3.75-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00985187

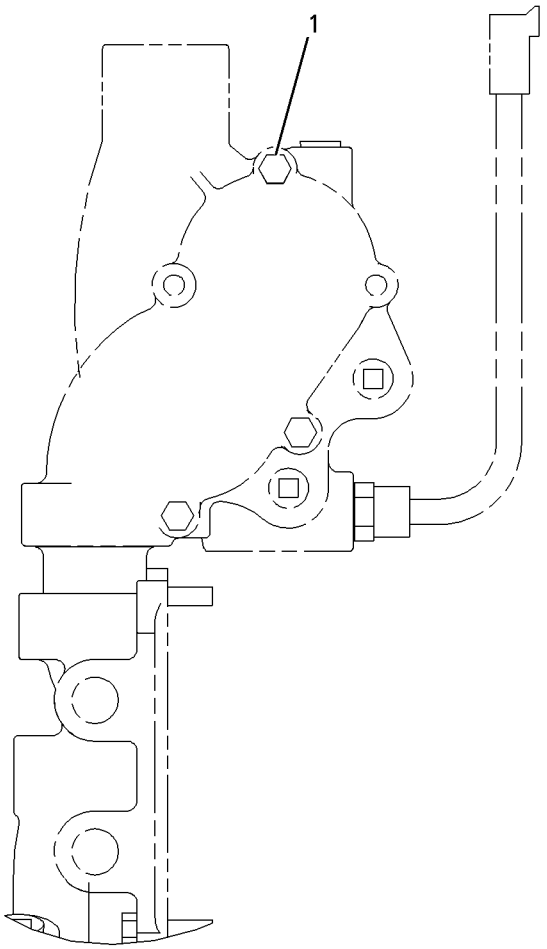
200-2852 FASTENER GP-WATER LINES

CANNOT BE USED WITH LEFT HAND COOLANT CONDITIONER

AN ATTACHMENT

SMCS-1380 **i02332388**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0L-1352**	1	BOLT (3/8-16X3.25-IN)	



RIGHT SIDE VIEW

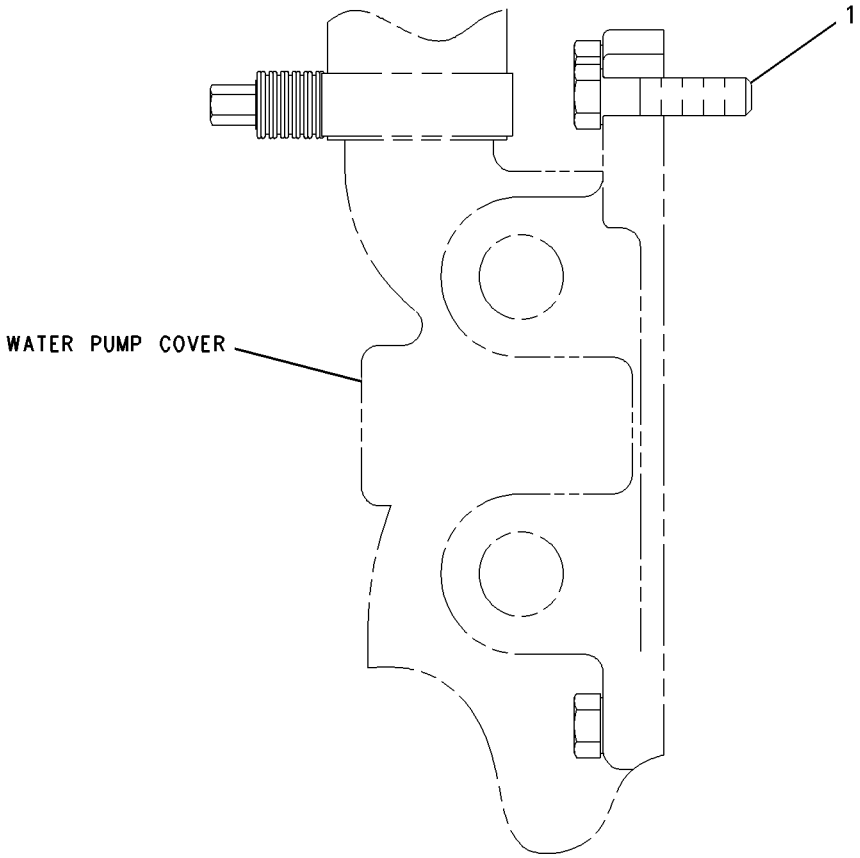
GRAPHIC #1 **<END>** g00791195

109-2373 FASTENER GP-WATER PUMP

FOR USE WHEN ALTERNATOR MOUNTING BRACKET IS NOT INSTALLED
CANNOT BE USED WITH RH FRONT OIL GUIDE
AN ATTACHMENT

SMCS-1361 **i02332393**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1591**	1	BOLT (3/8-16X1.5-IN)	



RIGHT SIDE VIEW

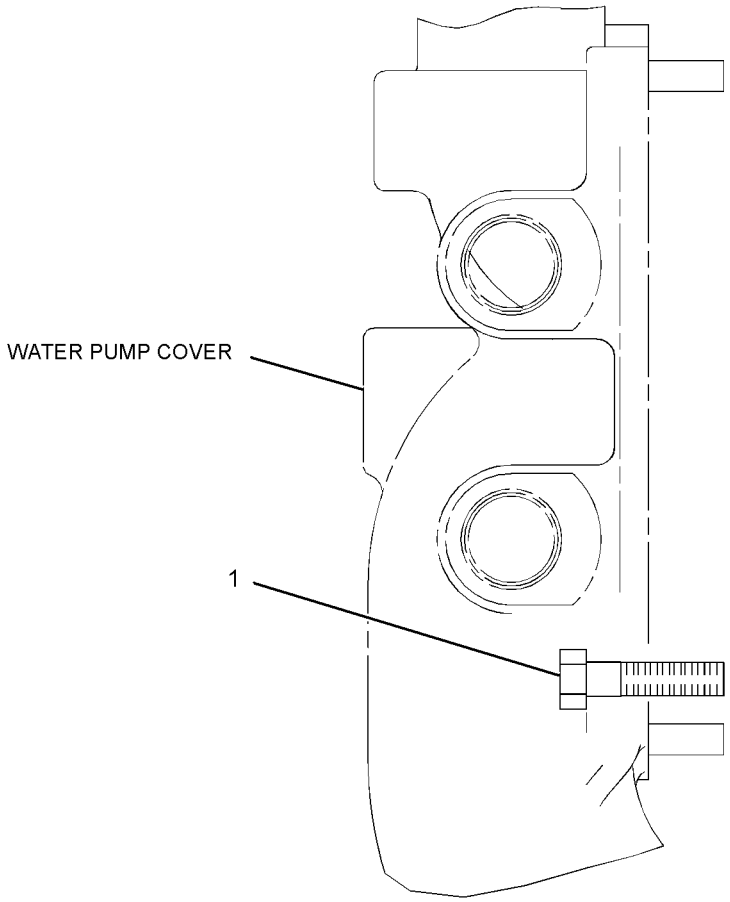
GRAPHIC #1 **<END>** g00832155

255-9248 FASTENER GP-WATER PUMP

CANNOT BE USED WITH RIGHT HAND ALTERNATOR MOUNTING GROUP
AN ATTACHMENT

SMCS-1361 **i02294609**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-1591**	1	BOLT (3/8-16X1.5-IN)	



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g01154219

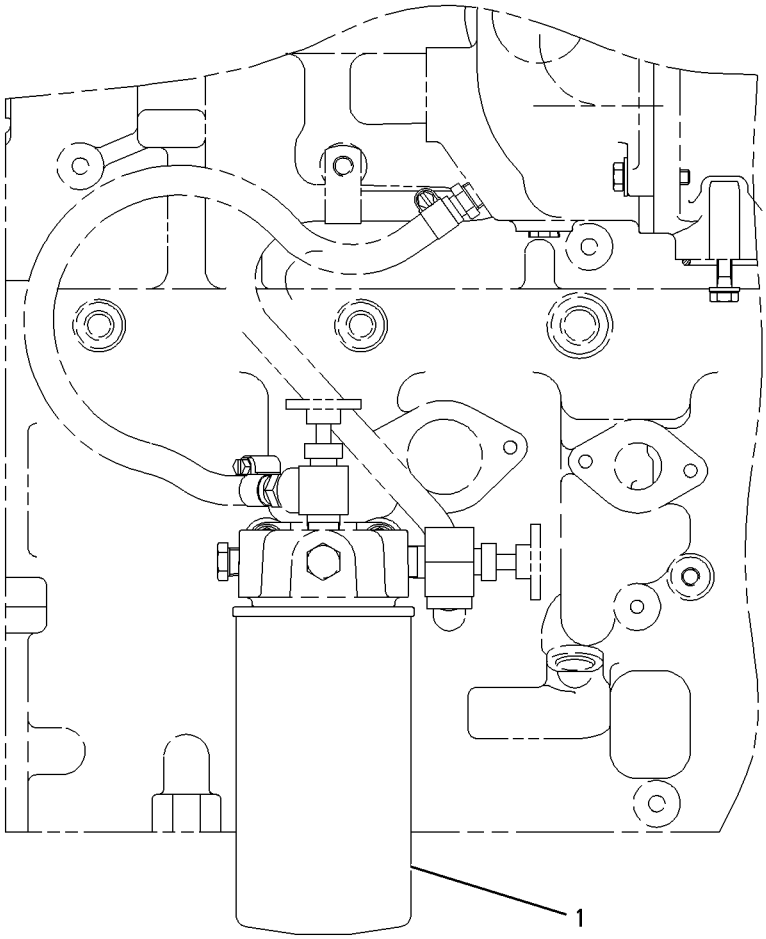
123-0794 FILTER AS-COOLANT CONDITIONER

FOR USE WITH 10-13 GALLON (38-40 LITER) COOLING SYSTEM, COOLANT CONDITIONER
GP
AN ATTACHMENT

SMCS-1352 **i02939192**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
J	1	1	**9N-6123**	1	FILTER-COOLANT CONDITIONER	
					—OR—	
A		1	**9N-3717**	1	FILTER-COOLANT CONDITIONER	
					—OR—	
A		1	**9N-3718**	1	FILTER-COOLANT CONDITIONER	

A-NOT PART OF THIS GROUP
J-REFER TO CHART FOR COOLANT INFORMATION



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00869859

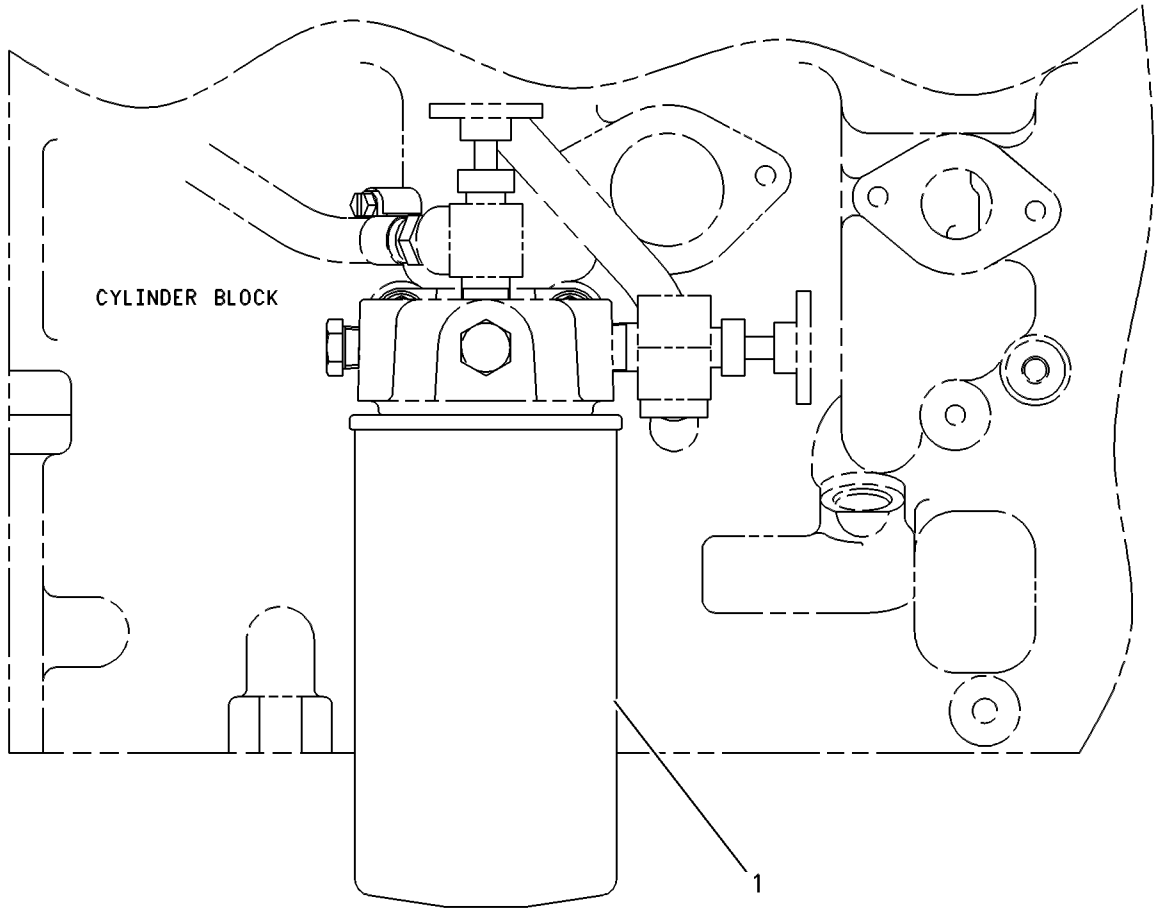
126-0112 FILTER AS-COOLANT CONDITIONER

38-49 LITERS (10-13 GALLONS). NO PRECHARGE, PROVIDES FILTER ONLY
FOR USE WITH COOLANT CONDITIONER GP
AN ATTACHMENT

SMCS-1352 **i02921200**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
J	1	1	**9N-6123**	1	FILTER-COOLANT CONDITIONER	
					—OR—	
A		1	**9N-3718**	1	FILTER-COOLANT CONDITIONER	

A-NOT PART OF THIS GROUP
J-REFER TO CHART FOR COOLANT INFORMATION CONDITIONER



RIGHT SIDE VIEW

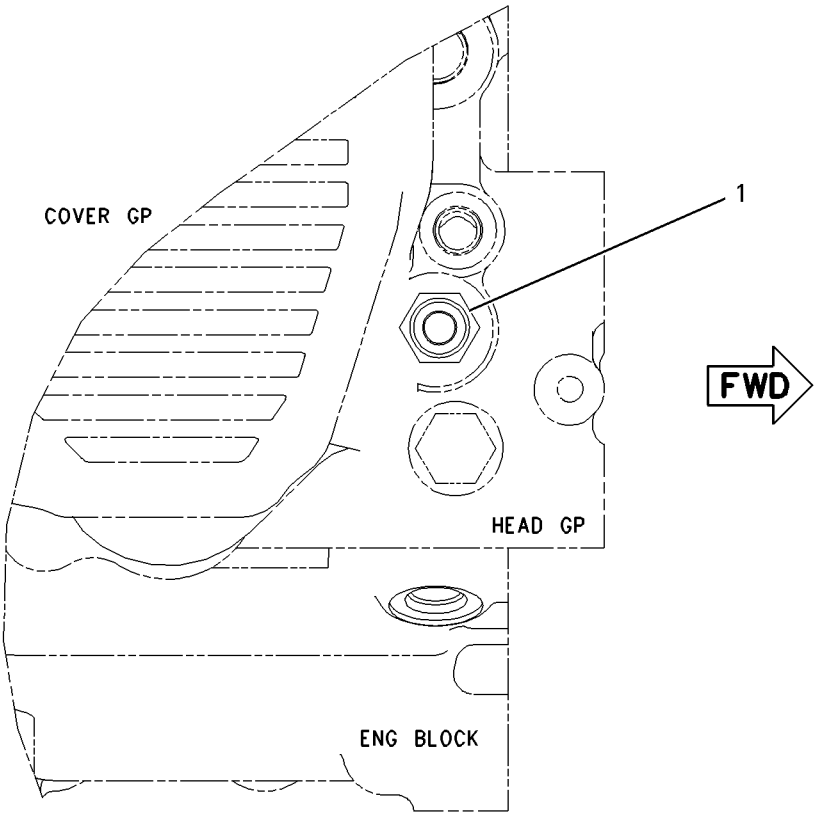
GRAPHIC #1 **<END>** g00251332

224-0875 FITTING GP-WATER LINES

COOLANT RETURN
FOR USE WITH DUAL STAT REGULATOR HOUSING
AN ATTACHMENT

SMCS-1380 **i01882695**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*164-5603*	1	CONNECTOR AS	
		1	**3K-0360**	1	SEAL-O-RING	
		1	**8M-0505**	1	CONNECTOR	



TOP VIEW

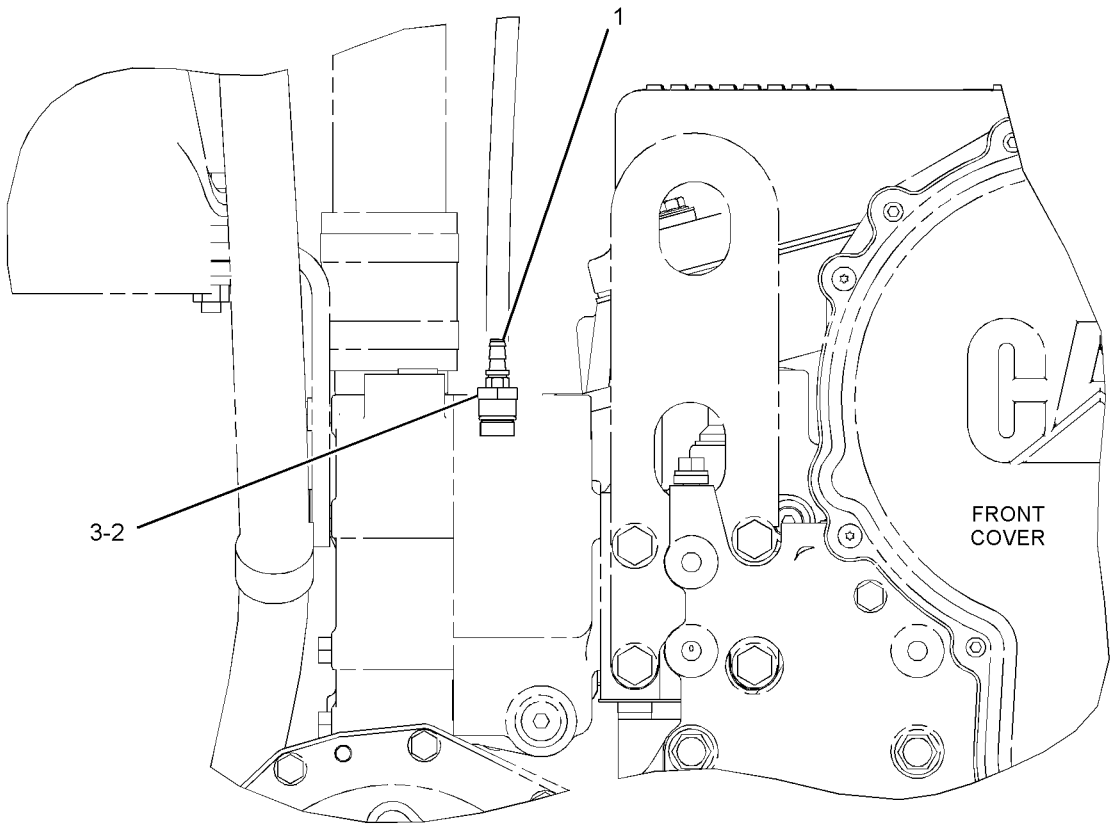
GRAPHIC #1 **<END>** g00977508

311-1440 FITTING GP-WATER LINES

FOR USE WITH INSTALLED RADIATORS
AN ATTACHMENT

SMCS-1380 **i02739901**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-9328**	1	FITTING	
	2	1	**8J-7844**	1	FITTING-ADAPTER	
	3	1	**6V-6609**	1	SEAL-O-RING	



FRONT VIEW OF ENGINE

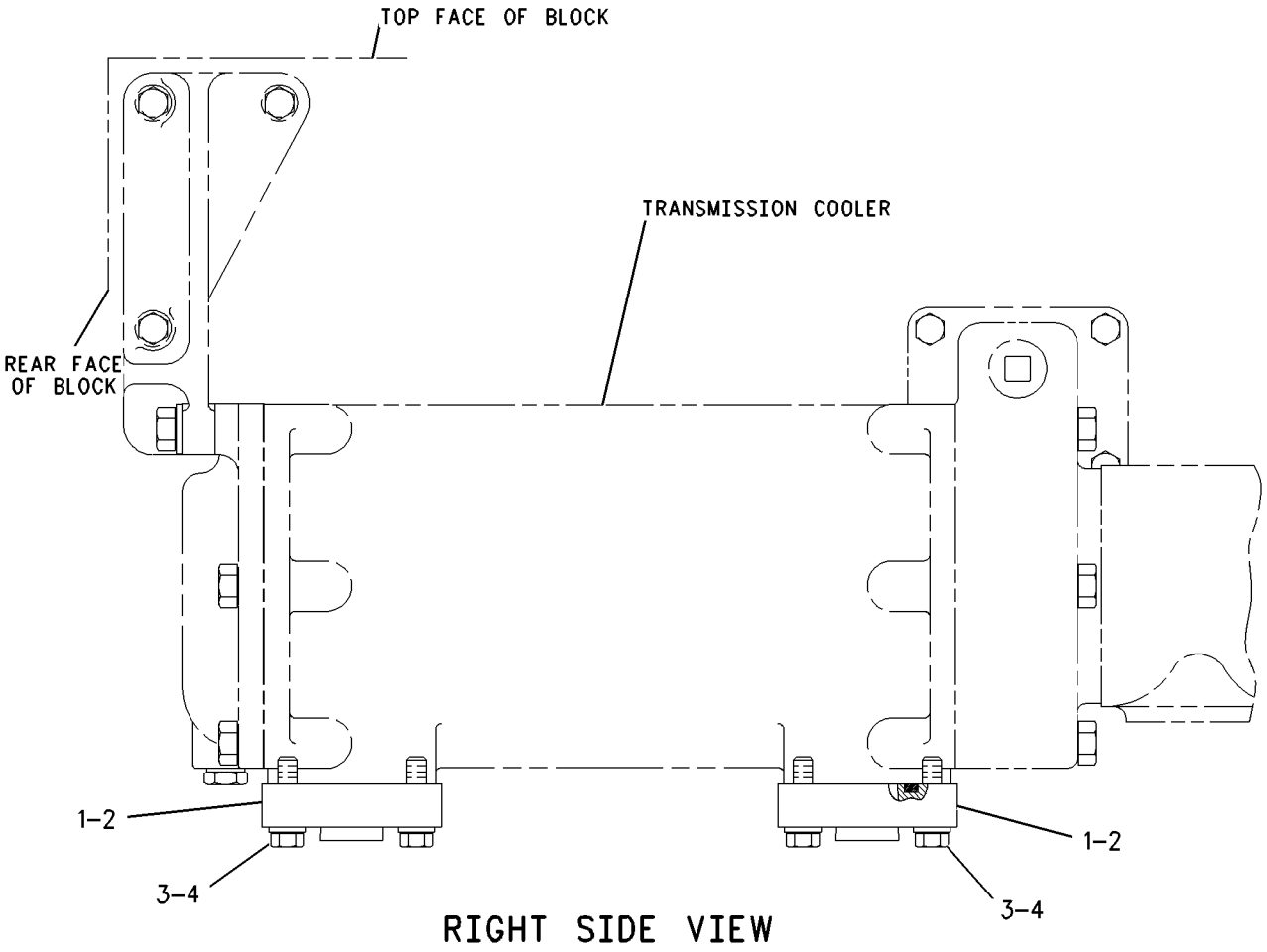
GRAPHIC #1 **<END>** g01374483

111-7303 FLANGE GP-TMSN OIL COOLER

PROVIDE FLANGES WITH 1.00 PTF PORTS
FOR USE WITH TRANSMISSION OIL COOLER
AN ATTACHMENT

SMCS-1375 **i02332396**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-5444**	2	FLANGE	
	2	1	**5P-5846**	2	SEAL-O-RING	
	3	1	**0S-1591**	4	BOLT (3/8-16X1.5-IN)	
	4	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00832128

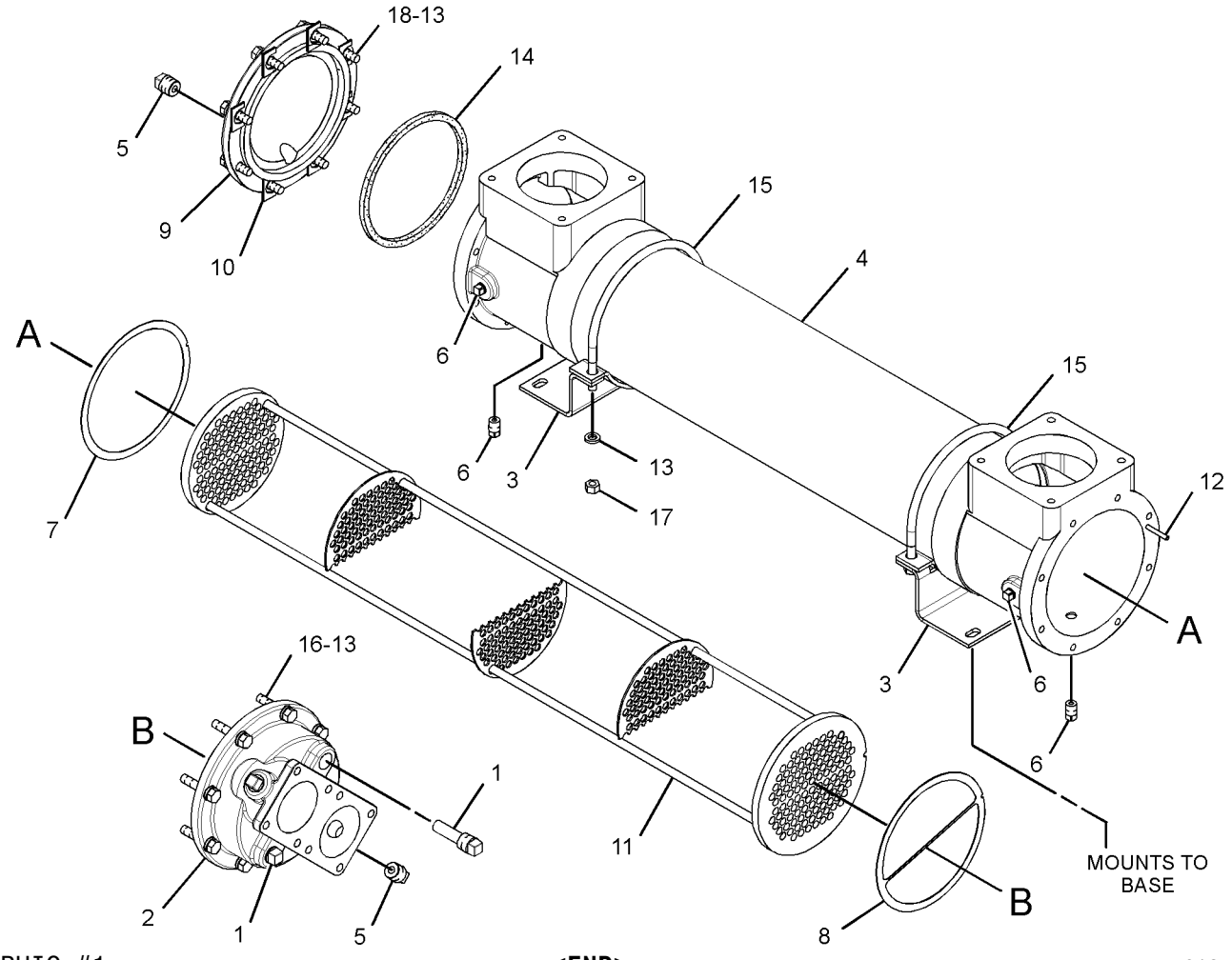
3N-7992 HEAT EXCHANGER GP-SEA WATER

34-SQ FT COOLING
PART OF 3N-9094 HEAT EXCHANGER GP-SEA WATER
AN ATTACHMENT

SMCS-1379 **i02910515**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-4521**	2	ROD AS-ZINC (HEAT EXCHANGER)	
	2	1	**3N-9607**	1	BONNET	
	3	1	**3N-9612**	2	BRACKET AS	
	4	1	**3N-9635**	1	SHELL AS	
	5	1	**5B-9169**	3	PLUG-DRAIN (HEAT EXCHANGER)	
	6	1	**6L-2282**	4	PLUG-PIPE	
	7	1	**8L-4497**	1	GASKET	
	8	1	**8L-4498**	1	GASKET	
	9	1	**8L-4502**	1	BONNET (RETURN)	
B	10	1	**8L-9767**	48	SHIM (0.015-IN THK)	
C	11	1	**293-0006**	1	CORE AS (HEAT EXCHANGER)	
	12	1	**1H-1200**	1	PIN-SPRING	
	13	1	**3B-4506**	20	LOCKWASHER	
	14	1	**3N-7351**	1	SEAL-RUBBER	
	15	1	**3N-9599**	2	U-BOLT	
	16	1	**5S-7383**	8	BOLT (3/8-16X1.75-IN)	
C	17	1	**6V-8801**	4	NUT (3/8-16-THD)	
	18	1	**9B-7237**	8	BOLT (3/8-16X1.25-IN)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01358103

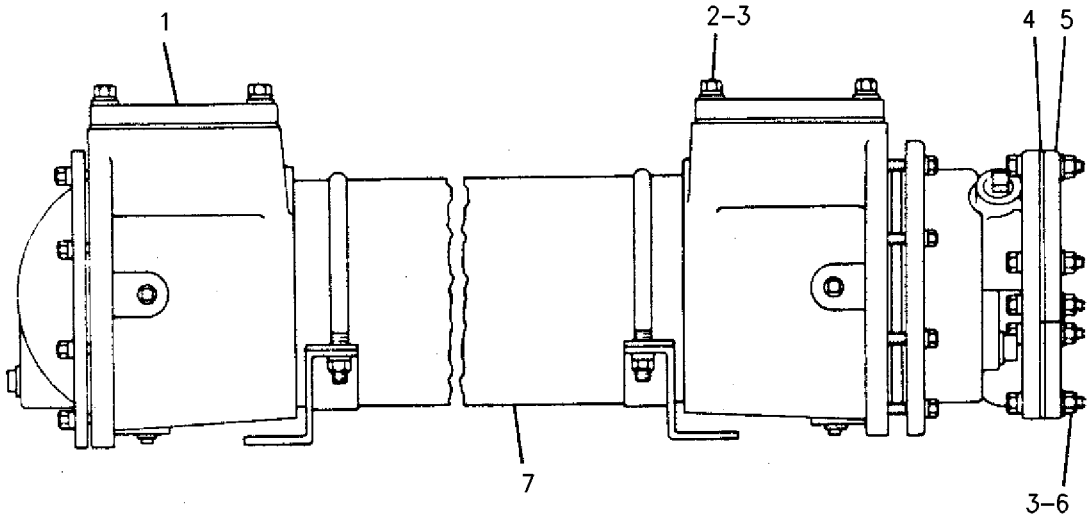
3N-9094 HEAT EXCHANGER GP-SEA WATER

REMOTE MOUNTED 6-IN X 36-IN, TWO PASS COOLER, WITH REMOVABLE BUNDLE
AN ATTACHMENT

SMCS-1379 **i02728961**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-9720**	2	FLANGE	
		1	**4L-3862**	2	GASKET	
	2	1	**9B-7237**	8	BOLT (3/8-16X1.25-IN)	
	3	1	**8T-4896**	24	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**4F-4873**	2	GASKET	
	5	1	**3N-1555**	2	FLANGE	
	6	1	**5S-7383**	8	BOLT (3/8-16X1.75-IN)	
		1	**6V-8801**	8	NUT (3/8-16-THD)	
Y	7	1	**3N-7992**	1	HEAT EXCHANGER GP-SEA WATER	509

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00651049

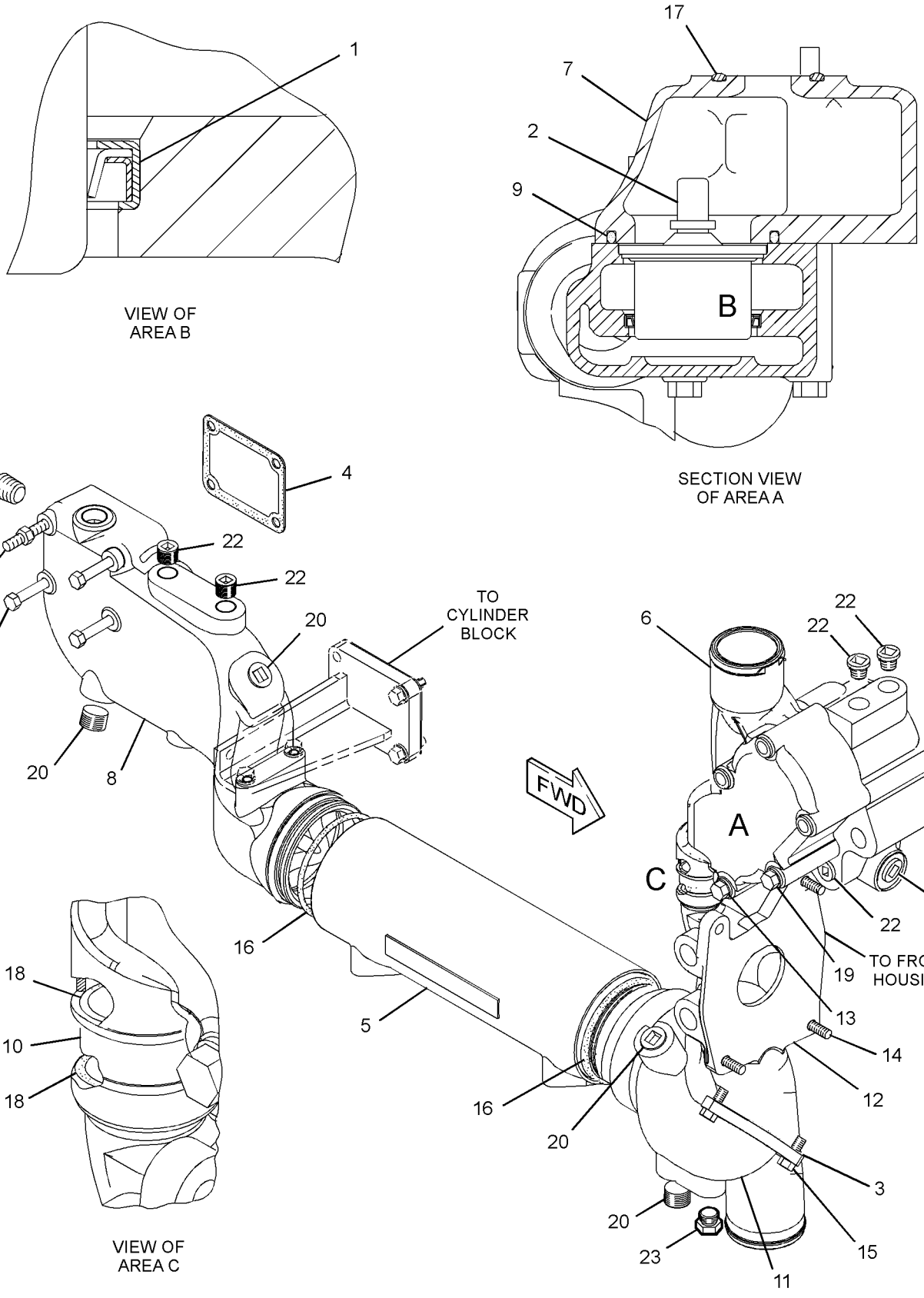
187-8925 LINES GP-WATER

FOR USE WITH FORWARD POSITION WATER PUMP
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02933825**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	2	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C) (COOLANT)	
	3	1	**125-0434**	1	SEAL-INTEGRAL	
	4	1	**126-4935**	1	SEAL-INTEGRAL	
R	5	1	**133-0125**	1	CORE AS-ENGINE OIL COOLER	
	6	1	**162-8682**	1	HOUSING-REGULATOR	
	7	1	**162-8697**	1	MANIFOLD-HOUSING	
	8	1	**163-9385**	1	BONNET-OUTLET	
	9	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	10	1	**166-3501**	1	PIPE	
	11	1	**170-4860**	1	BONNET-INLET	
	12	1	**187-8924**	1	COVER-WATER PUMP	
	13	1	**0L-1352**	4	BOLT (3/8-16X3.25-IN)	
	14	1	**0S-1591**	3	BOLT (3/8-16X1.5-IN)	
	15	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	16	1	**109-0077**	2	SEAL-O-RING	
	17	1	**167-4407**	1	SEAL-O-RING	
	18	1	**171-4358**	2	SEAL-O-RING	
	19	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	20	1	**7X-7731**	4	PLUG-PIPE	
	21	1	**8T-6761**	1	PLUG-PIPE	
	22	1	**8T-6762**	6	PLUG-PIPE	
	23	1	**8T-6767**	1	PLUG-PIPE	
	24	1	**147-0323**	1	STUD (3/8-16X3.25-IN)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01221867

COOLING SYSTEM

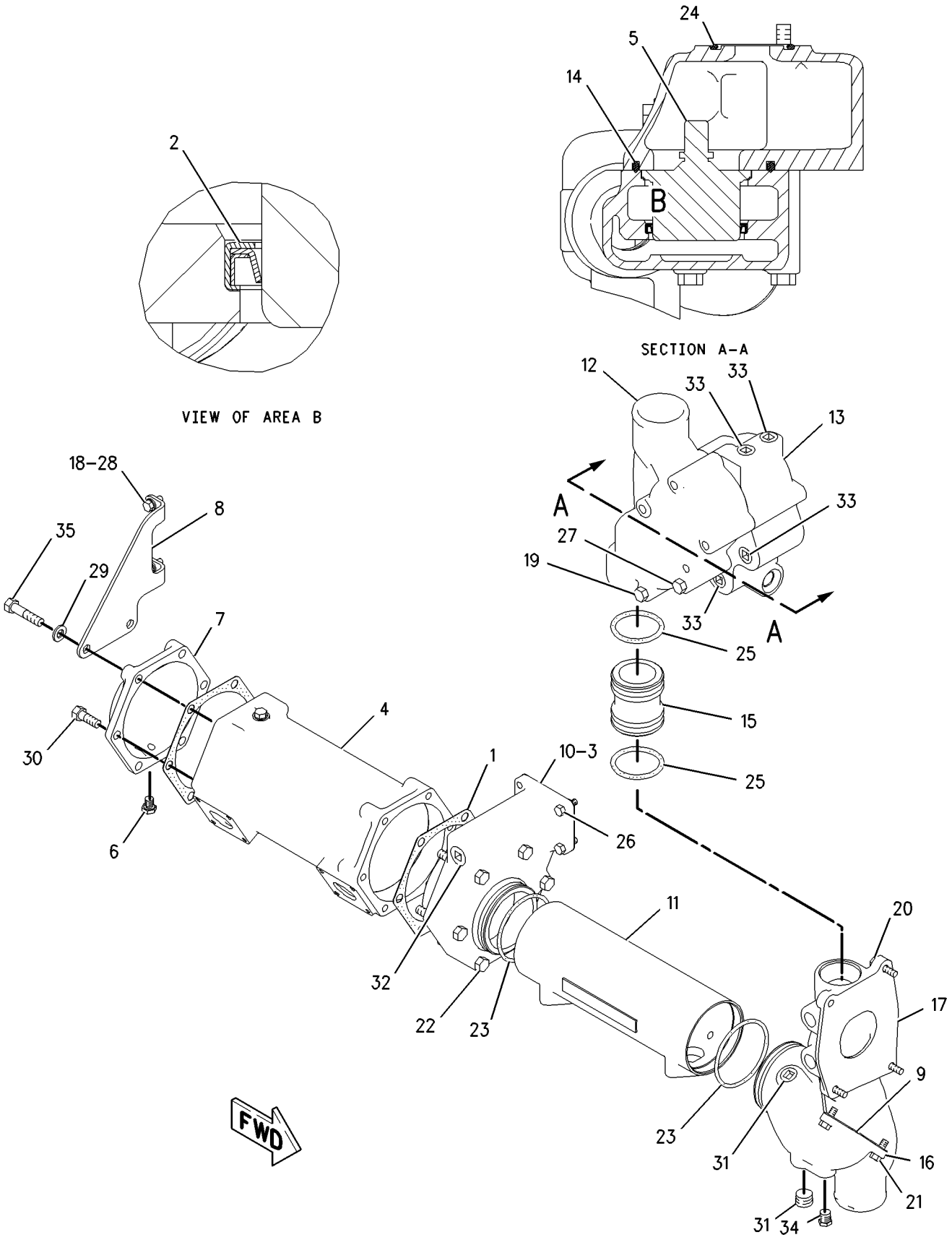
203-7723 LINES GP-WATER

FOR USE WITH 111-7303—PAGE 508. CANNOT BE USED WITH OTHER LINES GP, COOLANT CONDITIONER, 120-9128—PAGE 248
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02757128**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2S-0795**	2	GASKET	
	2	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	3	1	**4N-0641**	1	GASKET	
YR	4	1	**4P-7731**	1	CORE GP-OIL COOLER (TRANSMISSION)	491
	5	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C)	
	6	1	**8M-9307**	1	PLUG (TRANSMISSION OIL COOLER)	
	7	1	**8S-4304**	1	BONNET-XMSN OIL COOLER	
	8	1	**121-4896**	1	BRACKET	
	9	1	**125-0434**	1	SEAL-INTEGRAL	
	10	1	**130-8875**	1	BONNET-COOLER	
R	11	1	**133-0125**	1	CORE AS-ENGINE OIL COOLER	
	12	1	**162-8682**	1	HOUSING-REGULATOR	
	13	1	**162-8697**	1	MANIFOLD-HOUSING	
	14	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	15	1	**166-3501**	1	PIPE	
	16	1	**170-4860**	1	BONNET-INLET	
	17	1	**187-8924**	1	COVER-WATER PUMP	
	18	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	19	1	**0L-1352**	1	BOLT (3/8-16X3.25-IN)	
	20	1	**0S-1591**	3	BOLT (3/8-16X1.5-IN)	
	21	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	22	1	**0V-0375**	6	BOLT (1/2-13X3.25-IN)	
	23	1	**109-0077**	2	SEAL-O-RING	
	24	1	**167-4407**	1	SEAL-O-RING	
	25	1	**171-4358**	2	SEAL-O-RING	
	26	1	**1A-2029**	3	BOLT (3/8-16X1.125-IN)	
	27	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	28	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	29	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	30	1	**7B-3235**	4	BOLT (1/2-13X1.375-IN)	
	31	1	**7X-7731**	2	PLUG-PIPE	
	32	1	**8T-6761**	1	PLUG-PIPE	
	33	1	**8T-6762**	4	PLUG-PIPE	
	34	1	**8T-6767**	1	PLUG-PIPE	
	35	1	**9X-8873**	2	BOLT (1/2-13X2.25-IN)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00935833

COOLING SYSTEM

255-9245 LINES GP-WATER

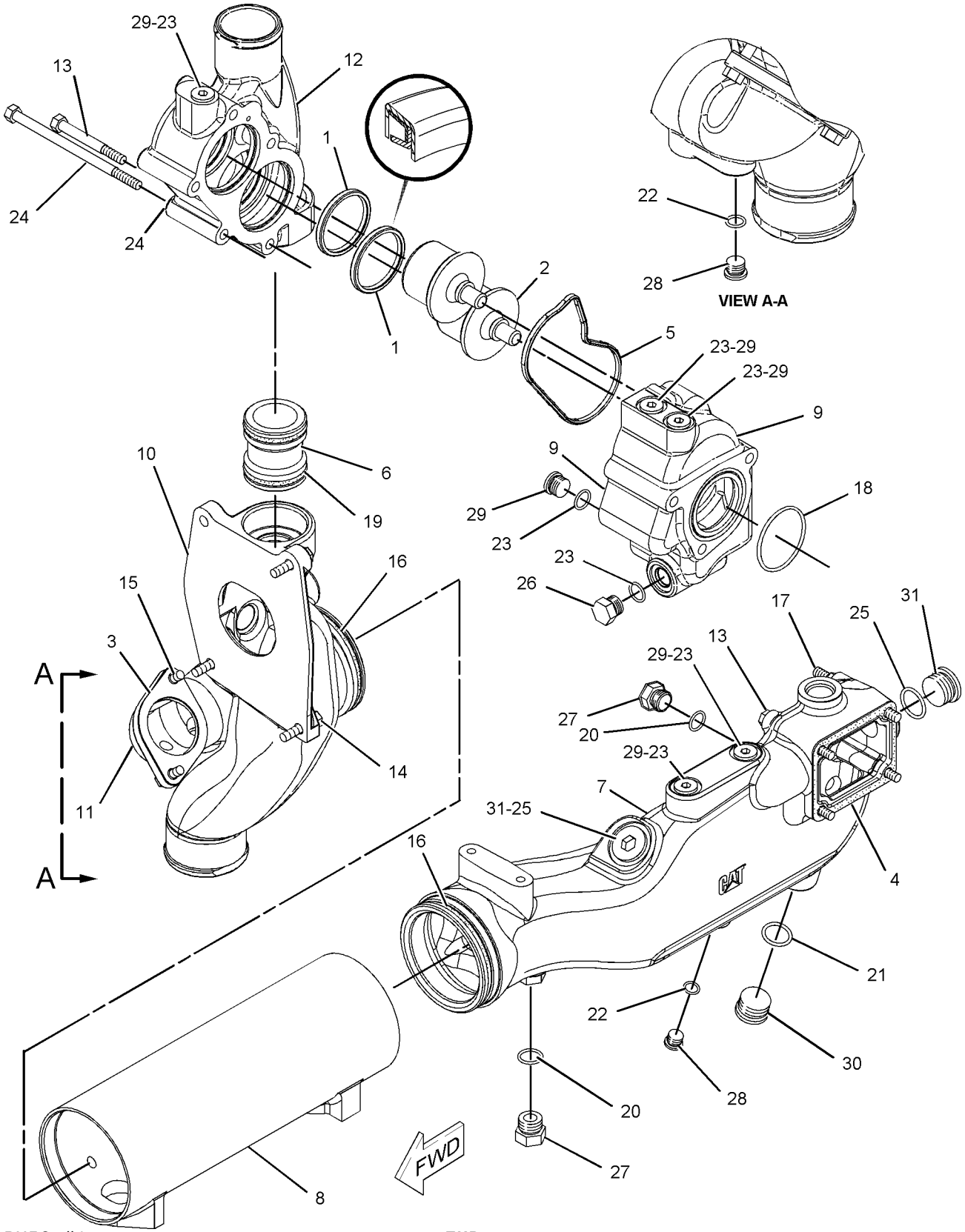
S/N: JRE1-308
FOR USE WITH SINGLE TURBO
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02939221**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	2	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C)	
	3	1	**125-0434**	1	SEAL-INTEGRAL	
	4	1	**126-4935**	1	SEAL-INTEGRAL	
	5	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	6	1	**166-3501**	1	PIPE	
	7	1	**223-4746**	1	BONNET-OUTLET	
R	8	1	**223-7962**	1	CORE AS (ENGINE OIL COOLER)	
	9	1	**227-8851**	1	MANIFOLD-HOUSING	
	10	1	**227-8852**	1	COVER-WATER PUMP	
	11	1	**229-2282**	1	BONNET-OIL COOLER	
	12	1	**236-1687**	1	HOUSING-REGULATOR	
	13	1	**0L-1352**	4	BOLT (3/8-16X3.25-IN)	
	14	1	**0S-1591**	3	BOLT (3/8-16X1.5-IN)	
	15	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	16	1	**109-0077**	2	SEAL-O-RING	
	17	1	**147-0323**	1	STUD (3/8-16X3.25-IN)	
	18	1	**167-4407**	1	SEAL-O-RING	
	19	1	**171-4358**	2	SEAL-O-RING	
	20	1	**2M-9780**	2	SEAL-O-RING	
	21	1	**3D-2824**	1	SEAL-O-RING	
	22	1	**3J-1907**	2	SEAL-O-RING	
	23	1	**3K-0360**	7	SEAL-O-RING	
	24	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	25	1	**4K-1388**	2	SEAL-O-RING	
	26	1	**9S-4185**	1	PLUG-O-RING	
	27	1	**9S-4190**	2	PLUG-O-RING	
	28	1	**9S-8004**	2	PLUG	
	29	1	**9S-8005**	6	PLUG-O-RING	
	30	1	**9S-8008**	1	PLUG-O-RING	
	31	1	**9S-8009**	2	PLUG-O-RING	

R-REMFG PART MAY BE AVAILABLE

255-9245 **LINES GP-WATER** *(contd.)* **i02939221**



GRAPHIC #1 **<END>** g01081733

COOLING SYSTEM

255-9245 LINES GP-WATER

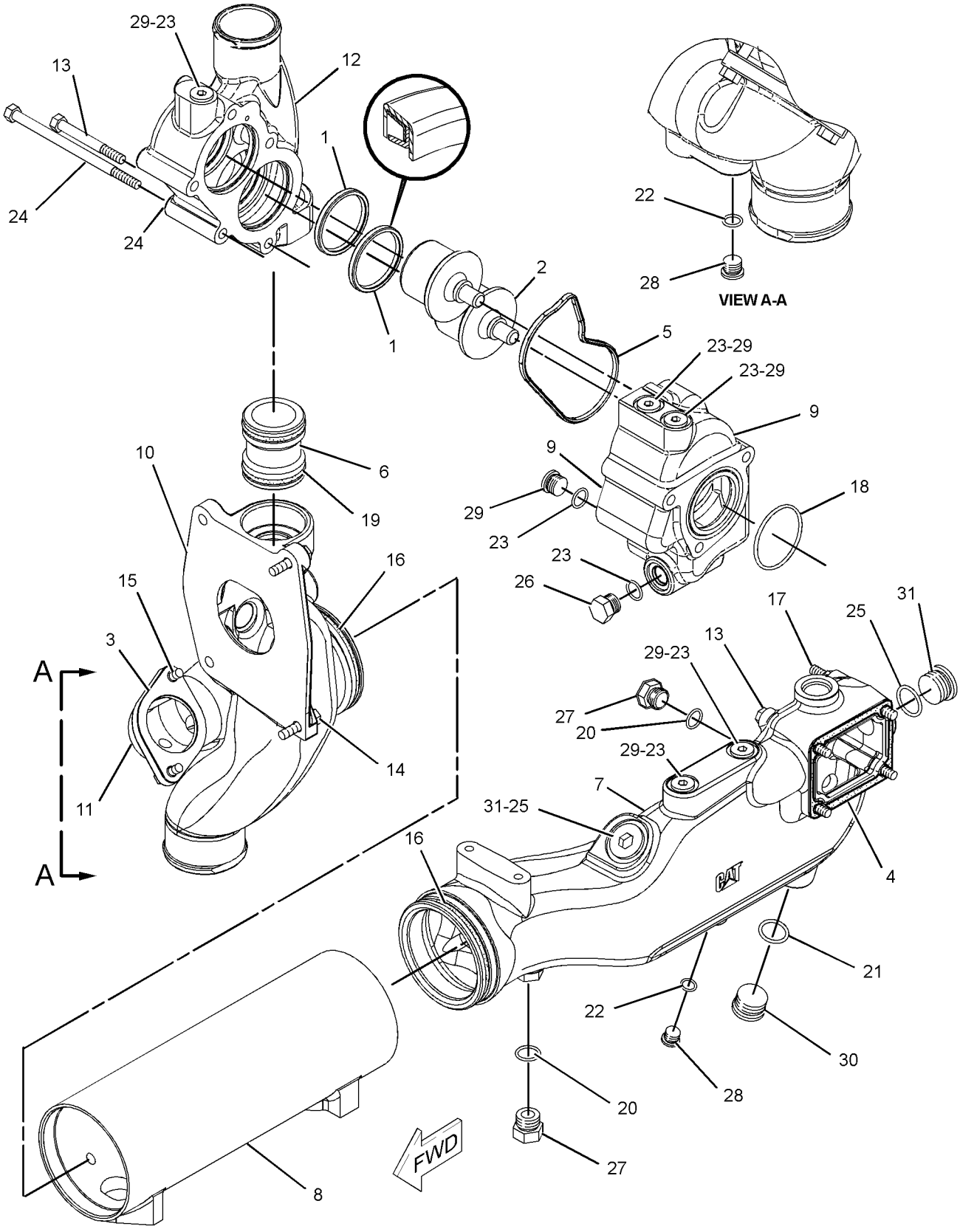
S/N: JRE309-5379
FOR USE WITH SINGLE TURBO
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02939220**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	2	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C)	
	3	1	**125-0434**	1	SEAL-INTEGRAL	
	4	1	**126-4935**	1	SEAL-INTEGRAL	
	5	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	6	1	**166-3501**	1	PIPE	
	7	1	**223-4746**	1	BONNET-OUTLET	
R	8	1	**223-7962**	1	CORE AS (ENGINE OIL COOLER)	
	9	1	**227-8851**	1	MANIFOLD-HOUSING	
	10	1	**227-8852**	1	COVER-WATER PUMP	
	11	1	**229-2282**	1	BONNET-OIL COOLER	
	12	1	**236-1687**	1	HOUSING-REGULATOR	
	13	1	**0L-1352**	4	BOLT (3/8-16X3.25-IN)	
C	14	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	15	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	16	1	**109-0077**	2	SEAL-O-RING	
	17	1	**147-0323**	1	STUD (3/8-16X3.25-IN)	
	18	1	**167-4407**	1	SEAL-O-RING	
	19	1	**171-4358**	2	SEAL-O-RING	
	20	1	**2M-9780**	2	SEAL-O-RING	
	21	1	**3D-2824**	1	SEAL-O-RING	
	22	1	**3J-1907**	2	SEAL-O-RING	
	23	1	**3K-0360**	7	SEAL-O-RING	
	24	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	25	1	**4K-1388**	2	SEAL-O-RING	
	26	1	**9S-4185**	1	PLUG-O-RING	
	27	1	**9S-4190**	2	PLUG-O-RING	
	28	1	**9S-8004**	2	PLUG	
	29	1	**9S-8005**	6	PLUG-O-RING	
	30	1	**9S-8008**	1	PLUG-O-RING (WATER LINES GROUP)	
	31	1	**9S-8009**	2	PLUG-O-RING	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

255-9245 **LINES GP-WATER** *(contd.)* **i02939220**



GRAPHIC #1 **<END>** g01203018

COOLING SYSTEM

255-9245 LINES GP-WATER

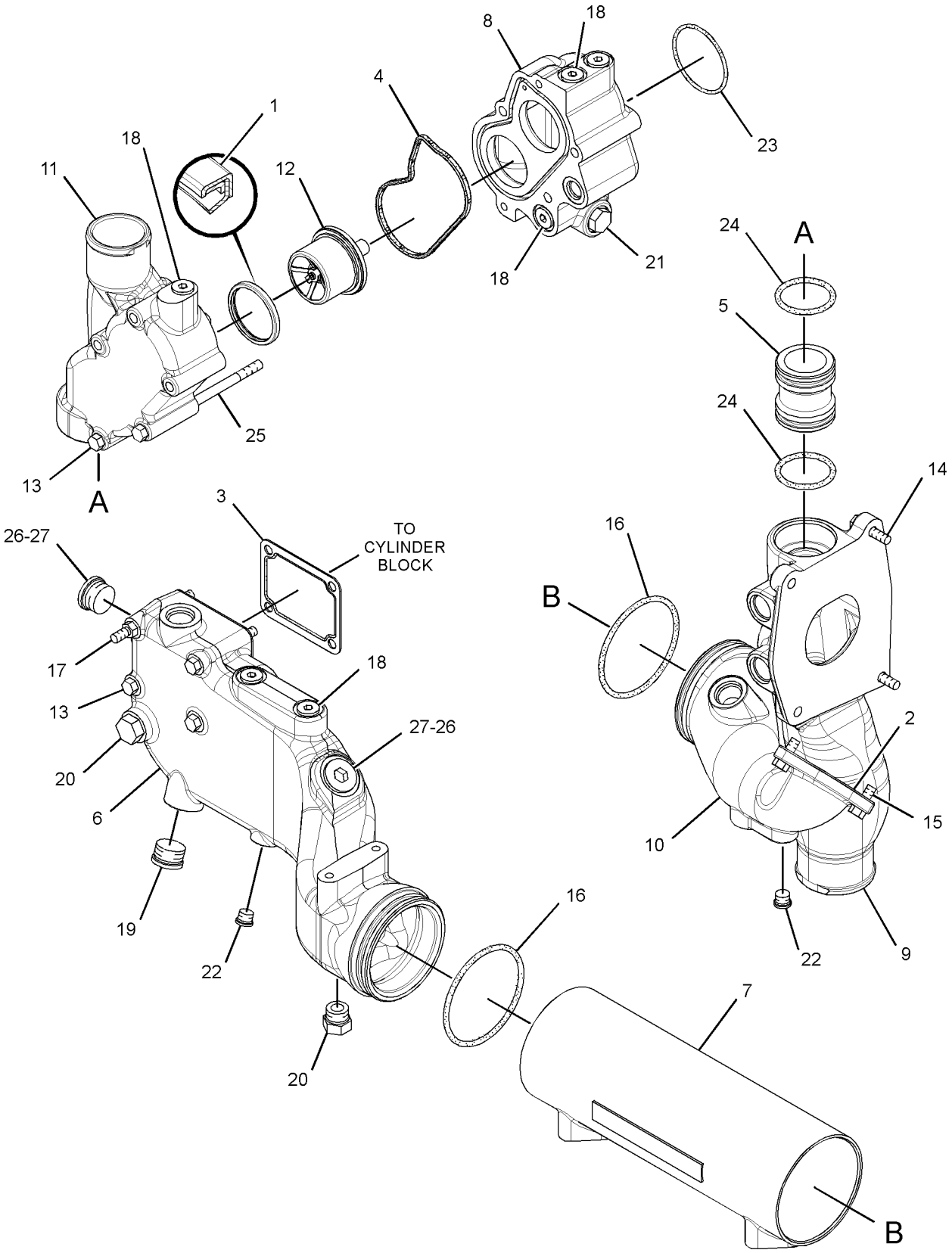
FOR USE WITH SINGLE TURBO
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02939189**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	2	1	**125-0434**	1	SEAL-INTEGRAL	
	3	1	**126-4935**	1	SEAL-INTEGRAL	
	4	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	5	1	**166-3501**	1	PIPE	
	6	1	**223-4746**	1	BONNET-OUTLET	
R	7	1	**223-7962**	1	CORE AS (ENGINE OIL COOLER)	
	8	1	**227-8851**	1	MANIFOLD-HOUSING	
	9	1	**227-8852**	1	COVER-WATER PUMP	
	10	1	**229-2282**	1	BONNET-OIL COOLER	
	11	1	**236-1687**	1	HOUSING-REGULATOR	
	12	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C)	
	13	1	**0L-1352**	4	BOLT (3/8-16X3.25-IN)	
	14	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	15	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	16	1	**109-0077**	2	SEAL-O-RING	
	17	1	**147-0323**	1	STUD (3/8-16X3.25-IN)	
C	18	1	*148-8395*	6	PLUG AS	
					(EACH INCLUDES)	
		1	**3K-0360**	1	SEAL-O-RING	
		1	**9S-8005**	1	PLUG-O-RING	
C	19	1	*148-8409*	1	PLUG AS	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**9S-8008**	1	PLUG-O-RING	
C	20	1	*148-8410*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**2M-9780**	1	SEAL-O-RING	
		1	**9S-4190**	1	PLUG-O-RING	
C	21	1	*148-8411*	1	PLUG AS	
		1	**3K-0360**	1	SEAL-O-RING	
		1	**9S-4185**	1	PLUG-O-RING	
C	22	1	*162-0177*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**3J-1907**	1	SEAL-O-RING	
		1	**9S-8004**	1	PLUG	
	23	1	**167-4407**	1	SEAL-O-RING	
	24	1	**171-4358**	2	SEAL-O-RING	
	25	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	26	1	**4K-1388**	2	SEAL-O-RING	
	27	1	**9S-8009**	2	PLUG-O-RING	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE

255-9245 **LINES GP-WATER** *(contd.)* **i02939189**



GRAPHIC #1 **<END>** g01421568

COOLING SYSTEM

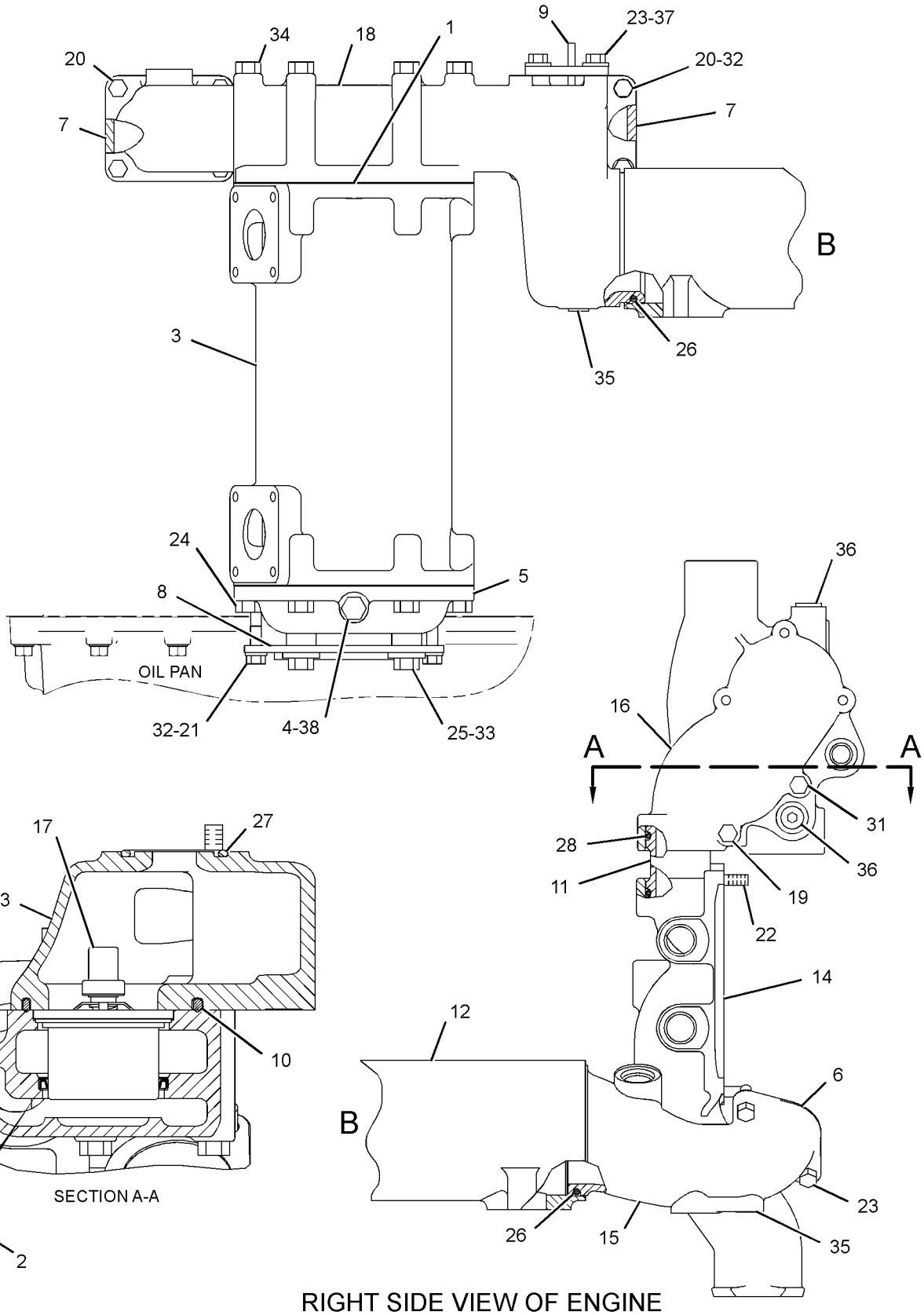
255-9247 LINES GP-WATER

AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02887963**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2S-0795**	2	GASKET	
	2	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
YR	3	1	**4P-7731**	1	CORE GP-OIL COOLER (TRANSMISSION)	491
	4	1	**8M-9307**	1	PLUG (TRANSMISSION OIL COOLER)	
	5	1	**8S-4304**	1	BONNET-XMSN OIL COOLER	
	6	1	**125-0434**	1	SEAL-INTEGRAL	
	7	1	**126-4935**	2	SEAL-INTEGRAL	
	8	1	**160-6332**	1	SUPPORT AS	
	9	1	**160-6491**	1	SUPPORT AS	
	10	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	11	1	**166-3501**	1	PIPE	
R	12	1	**223-7962**	1	CORE AS (ENGINE OIL COOLER)	
	13	1	**227-8851**	1	MANIFOLD-HOUSING	
	14	1	**227-8852**	1	COVER-WATER PUMP	
	15	1	**229-2282**	1	BONNET-OIL COOLER	
	16	1	**236-1687**	1	HOUSING-REGULATOR	
	17	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C)	
	18	1	**263-2179**	1	BONNET	
	19	1	**0L-1352**	1	BOLT (3/8-16X3.25-IN)	
	20	1	**0S-1588**	8	BOLT (3/8-16X1.25-IN)	
	21	1	**0S-1590**	2	BOLT (3/8-16X2-IN)	
	22	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	23	1	**0S-1594**	4	BOLT (3/8-16X1-IN)	
	24	1	**0S-1595**	4	BOLT (1/2-13X1.25-IN)	
	25	1	**0V-0375**	2	BOLT (1/2-13X3.25-IN)	
	26	1	**109-0077**	2	SEAL-O-RING	
	27	1	**167-4407**	1	SEAL-O-RING	
	28	1	**171-4358**	2	SEAL-O-RING	
	31	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	32	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	33	1	**7D-1649**	2	WASHER-HARD (13.5X32X5-MM THK)	
	34	1	**8S-9089**	6	BOLT (1/2-13X4.5-IN)	
	35	1	*162-0177*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**3J-1907**	1	SEAL-O-RING	
		1	**9S-8004**	1	PLUG	
	36	1	*148-8395*	5	PLUG AS	
					(EACH INCLUDES)	
		1	**3K-0360**	1	SEAL-O-RING	
		1	**9S-8005**	1	PLUG-O-RING	
	37	1	**9X-6458**	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	38	1	**6F-7062**	1	WASHER (12.7X19.05X1.83-MM THK)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01454144

COOLING SYSTEM

255-9249 LINES GP-WATER

S/N: JRE1-308

FOR USE WITH SINGLE TURBO. CANNOT BE USED WITH JACKET WATER HEATER, TWIN TURBO CONFIGURATION

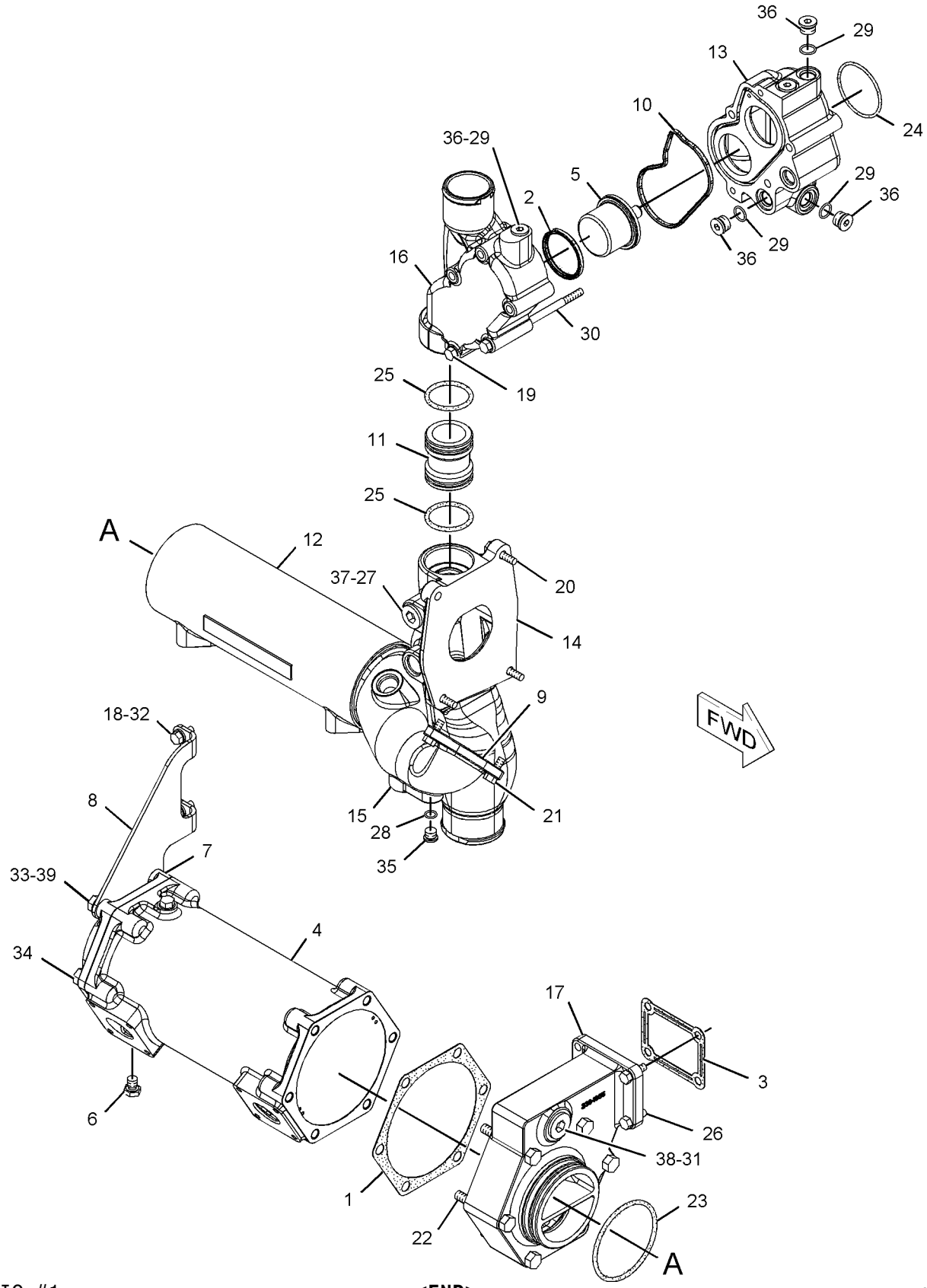
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02939737**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2S-0795**	2	GASKET	
	2	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	3	1	**4N-0641**	1	GASKET (TEMPERATURE REGULATOR HOUSING)	
YR	4	1	**4P-7731**	1	CORE GP-OIL COOLER (TRANSMISSION)	491
	5	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C)	
	6	1	**8M-9307**	1	PLUG (TRANSMISSION OIL COOLER)	
	7	1	**8S-4304**	1	BONNET-XMSN OIL COOLER	
	8	1	**121-4896**	1	BRACKET	
	9	1	**125-0434**	1	SEAL-INTEGRAL	
	10	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	11	1	**166-3501**	1	PIPE	
R	12	1	**223-7962**	1	CORE AS (ENGINE OIL COOLER)	
	13	1	**227-8851**	1	MANIFOLD-HOUSING	
	14	1	**227-8852**	1	COVER-WATER PUMP	
	15	1	**229-2282**	1	BONNET-OIL COOLER	
	16	1	**236-1687**	1	HOUSING-REGULATOR	
	17	1	**236-1805**	1	BONNET	
	18	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	19	1	**0L-1352**	1	BOLT (3/8-16X3.25-IN)	
	20	1	**0S-1591**	3	BOLT (3/8-16X1.5-IN)	
	21	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	22	1	**0V-0375**	6	BOLT (1/2-13X3.25-IN)	
	23	1	**109-0077**	2	SEAL-O-RING	
	24	1	**167-4407**	1	SEAL-O-RING	
	25	1	**171-4358**	2	SEAL-O-RING	
	26	1	**1A-2029**	3	BOLT (3/8-16X1.125-IN)	
	27	1	**3D-2824**	1	SEAL-O-RING	
	28	1	**3J-1907**	1	SEAL-O-RING	
	29	1	**3K-0360**	5	SEAL-O-RING	
	30	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	31	1	**4K-1388**	1	SEAL-O-RING	
	32	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	33	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	34	1	**7B-3235**	4	BOLT (1/2-13X1.375-IN)	
	35	1	**9S-8004**	1	PLUG	
	36	1	**9S-8005**	5	PLUG-O-RING	
	37	1	**9S-8008**	1	PLUG-O-RING	
	38	1	**9S-8009**	1	PLUG-O-RING	
	39	1	**9X-8873**	2	BOLT (1/2-13X2.25-IN)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

255-9249 **LINES GP-WATER** *(contd.)* **i02939737**



GRAPHIC #1 **<END>** g01086659

COOLING SYSTEM

255-9249 LINES GP-WATER

S/N: JRE309-586

FOR USE WITH SINGLE TURBO. CANNOT BE USED WITH JACKET WATER HEATER, TWIN TURBO CONFIGURATION

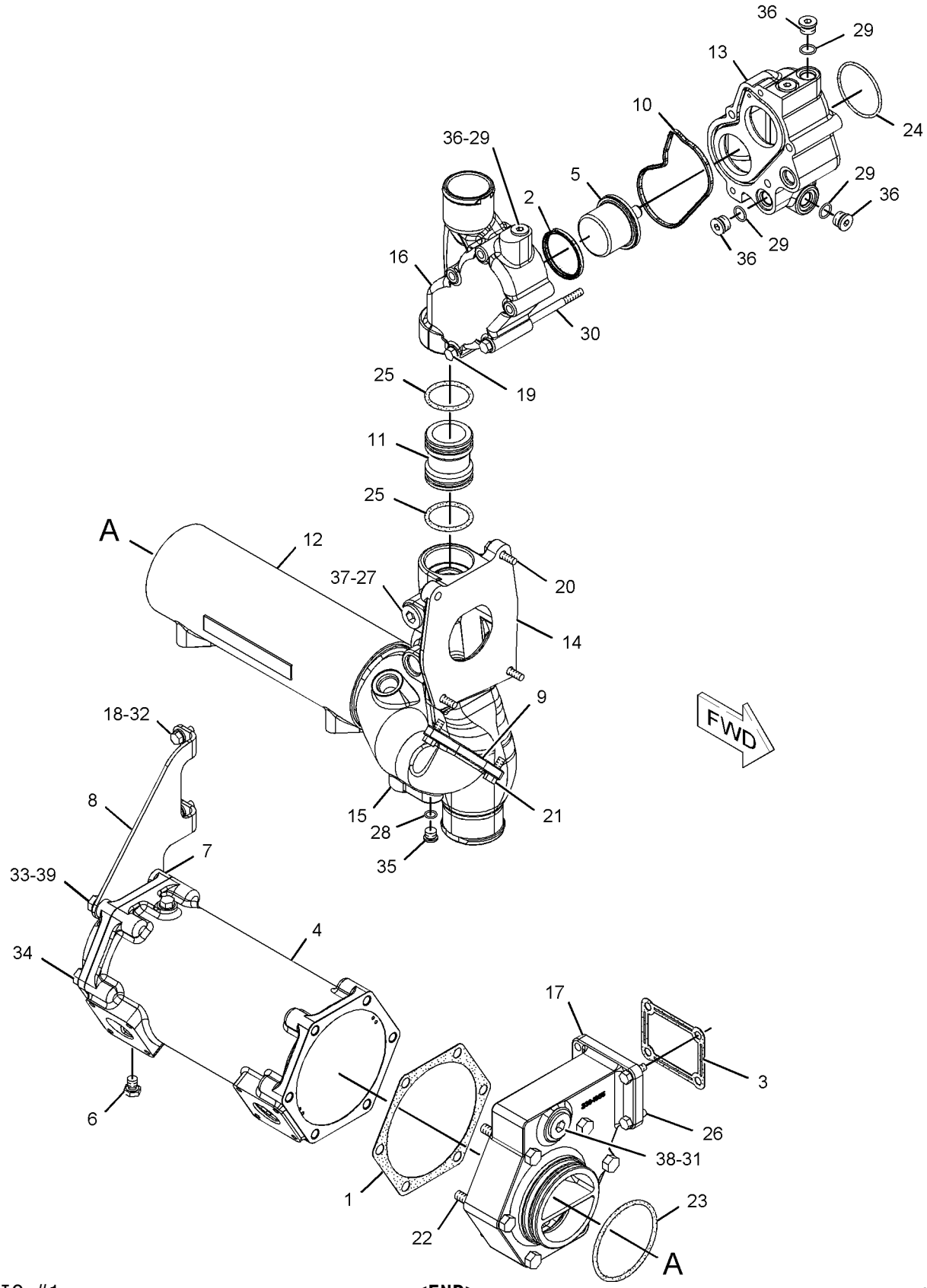
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i02939738**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2S-0795**	2	GASKET	
	2	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	3	1	**4N-0641**	1	GASKET (TEMPERATURE REGULATOR HOUSING)	
YR	4	1	**4P-7731**	1	CORE GP-OIL COOLER (TRANSMISSION)	491
	5	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C)	
	6	1	**8M-9307**	1	PLUG (TRANSMISSION OIL COOLER)	
	7	1	**8S-4304**	1	BONNET-XMSN OIL COOLER	
	8	1	**121-4896**	1	BRACKET	
	9	1	**125-0434**	1	SEAL-INTEGRAL	
	10	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	11	1	**166-3501**	1	PIPE	
R	12	1	**223-7962**	1	CORE AS (ENGINE OIL COOLER)	
	13	1	**227-8851**	1	MANIFOLD-HOUSING	
	14	1	**227-8852**	1	COVER-WATER PUMP	
	15	1	**229-2282**	1	BONNET-OIL COOLER	
	16	1	**236-1687**	1	HOUSING-REGULATOR	
	17	1	**236-1805**	1	BONNET	
	18	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	19	1	**0L-1352**	1	BOLT (3/8-16X3.25-IN)	
C	20	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	21	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	22	1	**0V-0375**	6	BOLT (1/2-13X3.25-IN)	
	23	1	**109-0077**	2	SEAL-O-RING	
	24	1	**167-4407**	1	SEAL-O-RING	
	25	1	**171-4358**	2	SEAL-O-RING	
	26	1	**1A-2029**	3	BOLT (3/8-16X1.125-IN)	
	27	1	**3D-2824**	1	SEAL-O-RING	
	28	1	**3J-1907**	1	SEAL-O-RING	
	29	1	**3K-0360**	5	SEAL-O-RING	
	30	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	31	1	**4K-1388**	1	SEAL-O-RING	
	32	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	33	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	34	1	**7B-3235**	4	BOLT (1/2-13X1.375-IN)	
	35	1	**9S-8004**	1	PLUG	
	36	1	**9S-8005**	5	PLUG-O-RING	
	37	1	**9S-8008**	1	PLUG-O-RING	
	38	1	**9S-8009**	1	PLUG-O-RING	
	39	1	**9X-8873**	2	BOLT (1/2-13X2.25-IN)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

255-9249 **LINES GP-WATER** *(contd.)* **i02939738**



GRAPHIC #1 **<END>** g01086659

COOLING SYSTEM

255-9249 LINES GP-WATER

S/N: JRE587-UP

FOR USE WITH SINGLE TURBO. CANNOT BE USED WITH JACKET WATER HEATER, TWIN TURBO CONFIGURATION

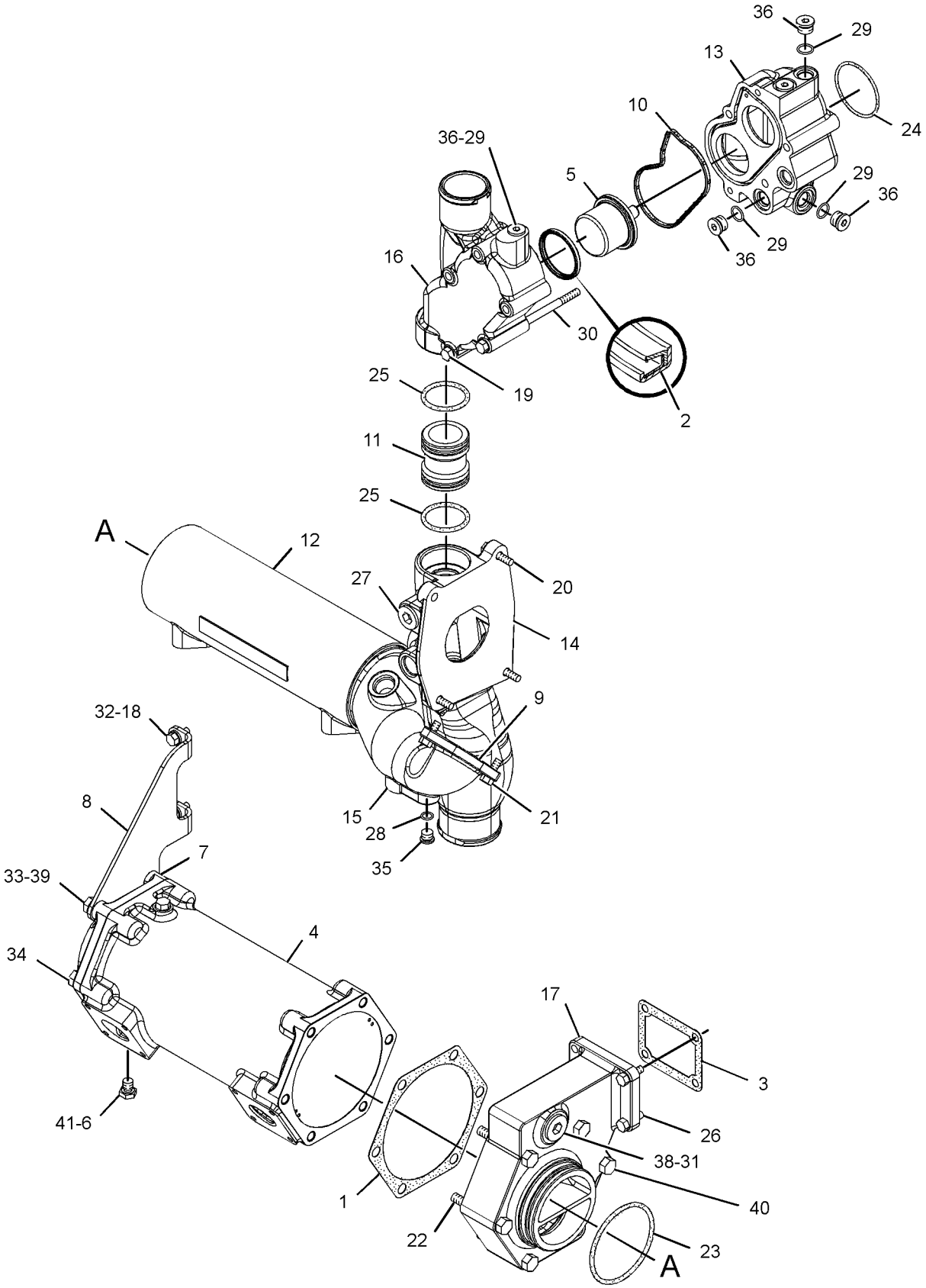
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i03516162**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2S-0795**	2	GASKET	
	2	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	3	1	**126-4935**	1	SEAL-INTEGRAL	
YR	4	1	**4P-7731**	1	CORE GP-OIL COOLER (TRANSMISSION)	491
	5	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C) (COOLANT)	
	6	1	**8M-9307**	1	PLUG (TRANSMISSION OIL COOLER)	
	7	1	**8S-4304**	1	BONNET-XMSN OIL COOLER	
	8	1	**121-4896**	1	BRACKET	
	9	1	**125-0434**	1	SEAL-INTEGRAL	
	10	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR HOUSING)	
	11	1	**166-3501**	1	PIPE	
R	12	1	**223-7962**	1	CORE AS (ENGINE OIL COOLER)	
	13	1	**227-8851**	1	MANIFOLD-HOUSING	
	14	1	**227-8852**	1	COVER-WATER PUMP	
	15	1	**229-2282**	1	BONNET-OIL COOLER	
	16	1	**236-1687**	1	HOUSING-REGULATOR	
	17	1	**236-1805**	1	BONNET	
	18	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	19	1	**0L-1352**	1	BOLT (3/8-16X3.25-IN)	
	20	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	21	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
C	22	1	**0V-0375**	4	BOLT (1/2-13X3.25-IN)	
	23	1	**109-0077**	2	SEAL-O-RING	
	24	1	**167-4407**	1	SEAL-O-RING	
	25	1	**171-4358**	2	SEAL-O-RING	
	26	1	**1A-2029**	3	BOLT (3/8-16X1.125-IN)	
	27	1	*148-8409*	1	PLUG AS	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**9S-8008**	1	PLUG-O-RING	
	28	1	**3J-1907**	1	SEAL-O-RING	
	29	1	**3K-0360**	5	SEAL-O-RING	
	30	1	**4F-0411**	1	BOLT (3/8-16X6.5-IN)	
	31	1	**4K-1388**	1	SEAL-O-RING	
	32	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	33	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	34	1	**7B-3235**	4	BOLT (1/2-13X1.375-IN)	
	35	1	**9S-8004**	1	PLUG	
	36	1	**9S-8005**	5	PLUG-O-RING	
	38	1	**9S-8009**	1	PLUG-O-RING	
	39	1	**9X-8873**	2	BOLT (1/2-13X2.25-IN)	
C	40	1	**1A-5822**	2	BOLT (1/2-13X2.75-IN)	
C	41	1	**6F-7062**	1	WASHER (12.7X19.05X1.83-MM THK)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

255-9249 **LINES GP-WATER** *(contd.)* **i03516162**



GRAPHIC #1 **<END>** g01951825

COOLING SYSTEM

279-8770 LINES GP-WATER

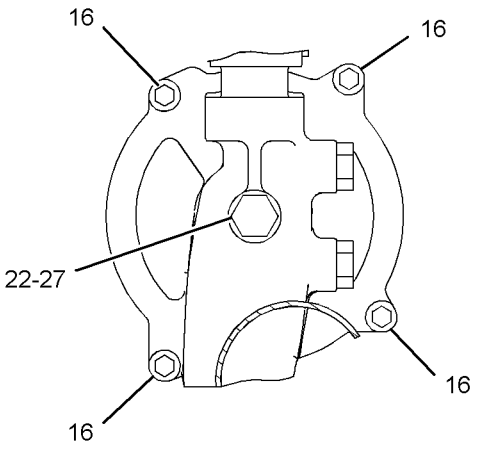
AN ATTACHMENT

SMCS-1355, 1380, 1393 **i03671496**

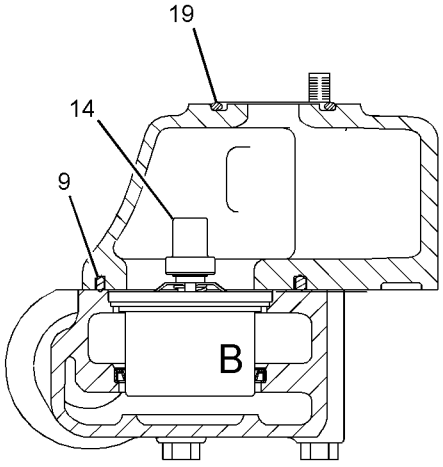
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-9643**	2	SEAL-LIP TYPE (WATER TEMPERATURE REGULATOR)	
	2	2	**125-0434**	1	SEAL-INTEGRAL	
	3	2	**126-4935**	1	SEAL-INTEGRAL	
R	4	2	**133-0125**	1	CORE AS-ENGINE OIL COOLER	
	5	1	**157-0670**	1	CAP-DUST	
	6	2	**162-8682**	1	HOUSING-REGULATOR	
	7	2	**162-8697**	1	MANIFOLD-HOUSING	
	8	1	**163-9385**	1	BONNET-OUTLET	
	9	1	**166-2340**	1	SEAL (TEMPERATURE REGULATOR)	
	10	2	**166-3501**	1	PIPE	
	11	2	**170-4860**	1	BONNET-INLET	
	12	2	**196-4813**	1	COVER-WATER PUMP	
	13	2	**197-8006**	1	SEAL-O-RING	
	14	1	**247-7133**	2	REGULATOR-WATER TEMPERATURE (98-DEG C) (COOLANT)	
	15	1,2	**0L-1352**	6	BOLT (3/8-16X3.25-IN)	
	16	1,2	**0S-1594**	6	BOLT (3/8-16X1-IN)	
	17	1,2	**109-0077**	2	SEAL-O-RING	
	18	1	**154-9024**	1	VALVE GP-FLUID SAMPLING (ENGINE COOLANT)	
	19	1	**167-4407**	1	SEAL-O-RING	
	20	2	**171-4358**	2	SEAL-O-RING	
	21	2	**4F-0411**	3	BOLT (3/8-16X6.5-IN)	
	22	1,2	**6V-5063**	3	SEAL-O-RING	
	23	1,2	**7X-7731**	5	PLUG-PIPE	
	24	1	**8T-6761**	1	PLUG-PIPE	
	25	2	**8T-6762**	6	PLUG-PIPE	
	26	2	**8T-6767**	1	PLUG-PIPE	
	27	1,2	**9S-4183**	3	PLUG-O-RING	

R-REMFG PART MAY BE AVAILABLE

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS.



SECTION A-A



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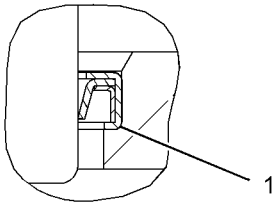
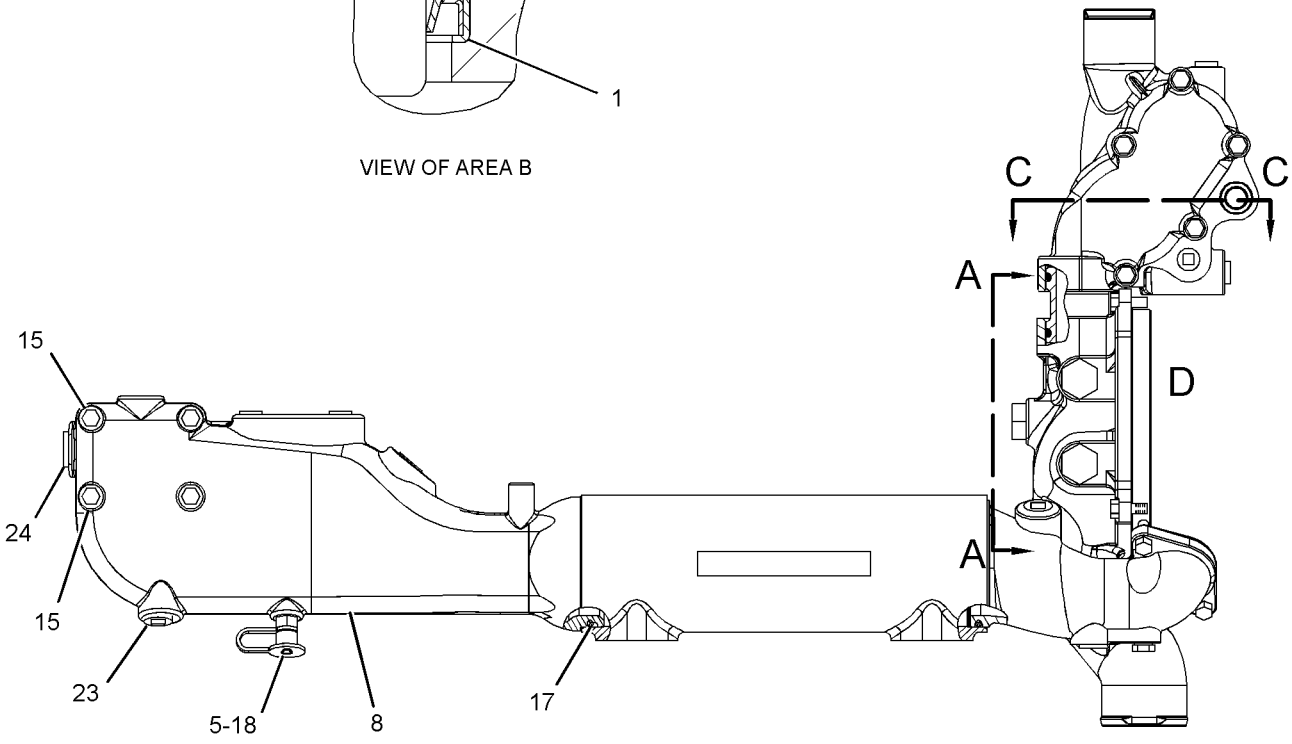
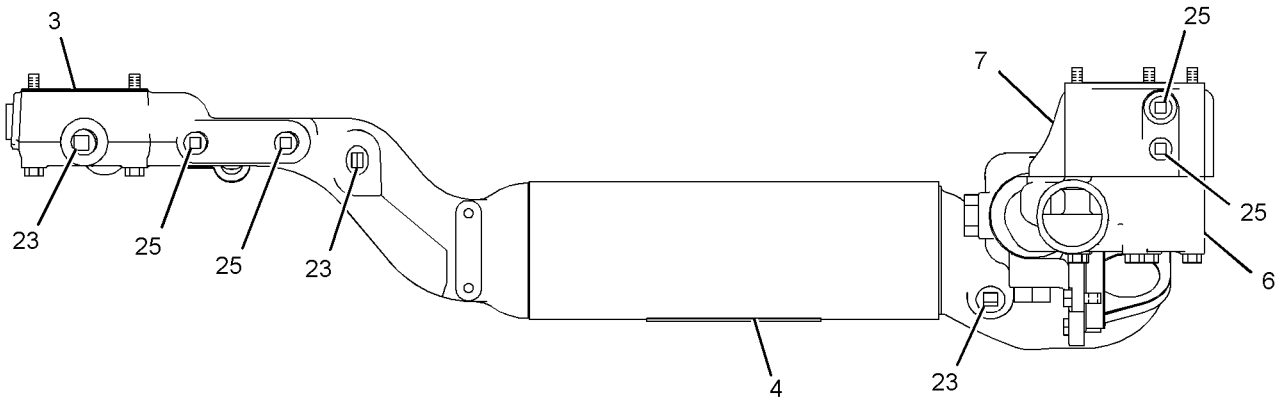


VIEW OF AREA B

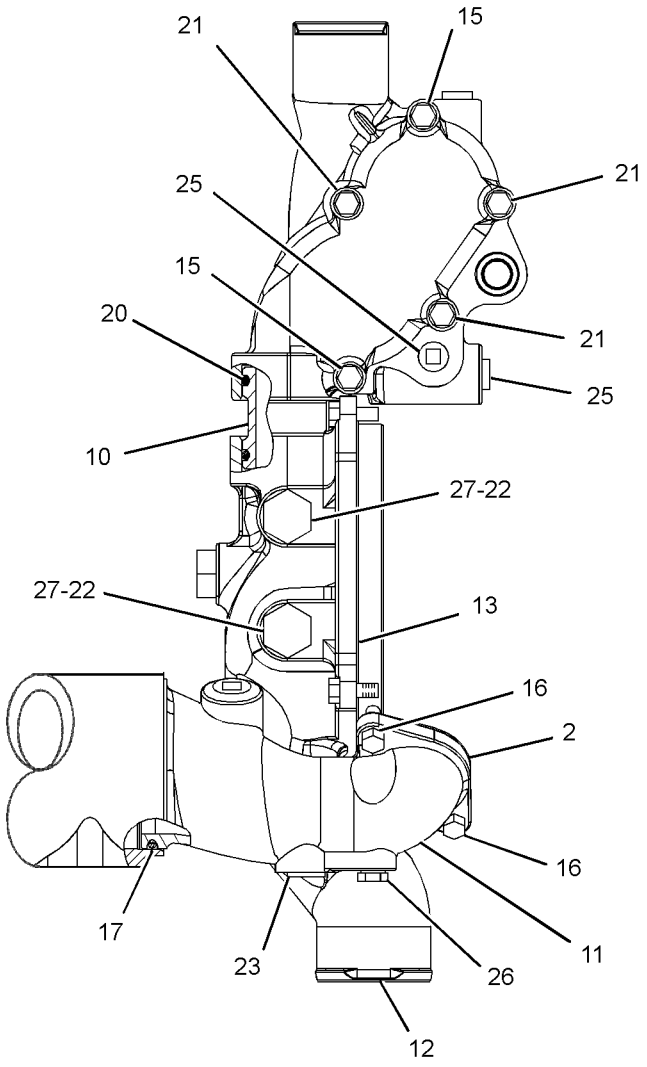


RIGHT SIDE VIEW

GRAPHIC #1 g01336684



TOP VIEW



VIEW OF AREA D

GRAPHIC #2 **<END>** g01336735

COOLING SYSTEM

109-2322 PLUG GP-WATER LINES

CANNOT BE USED WITH COOLANT CONDITIONER

AN ATTACHMENT

SMCS-1380 **i01389055**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7X-7731	4	PLUG-PIPE	
			INSTALL 1 PLUG INTO OIL COOLER BONNET AND 3 PLUGS INTO THE WATER PUMP COVER.	

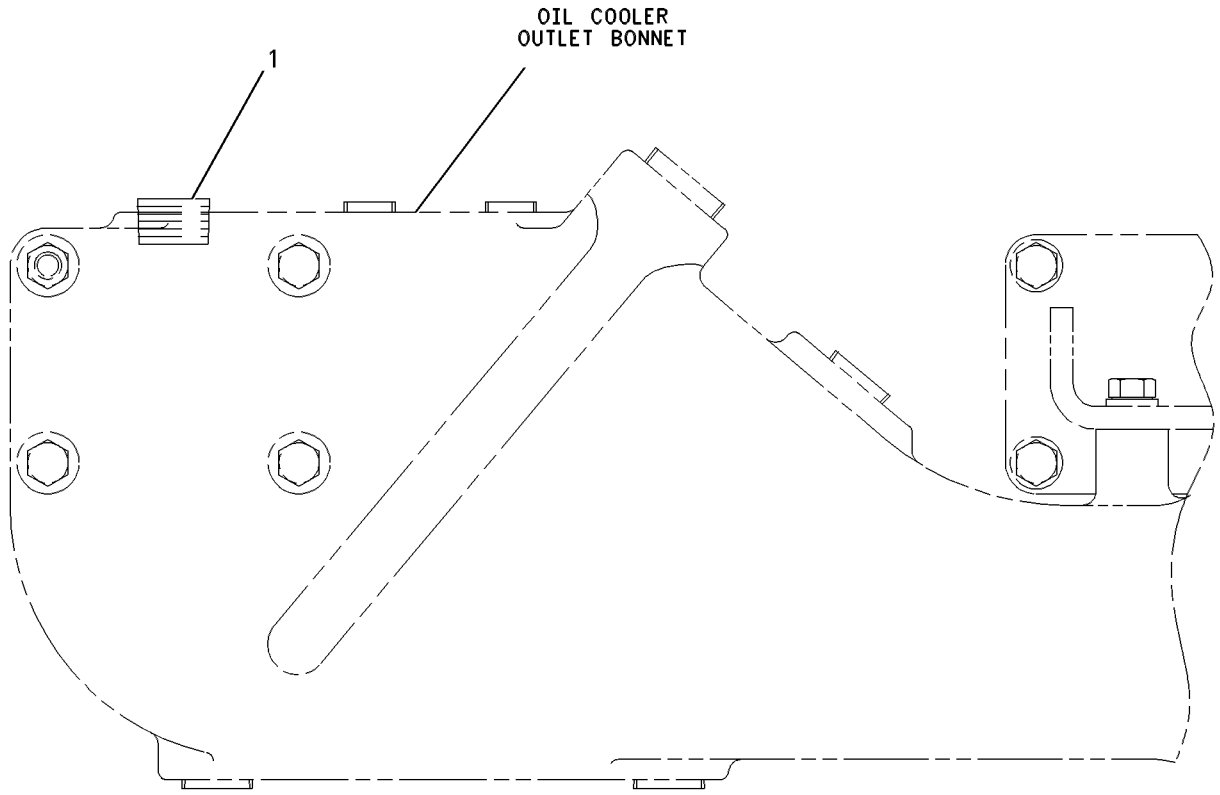
<END>

159-1598 PLUG GP-WATER LINES

USE WHEN A JACKET-WATER HEATER IS NOT USED
FOR USE WITH LINES GP-WATER
AN ATTACHMENT

SMCS-1380 **i00875746**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-7731**		PLUG-PIPE	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00434731

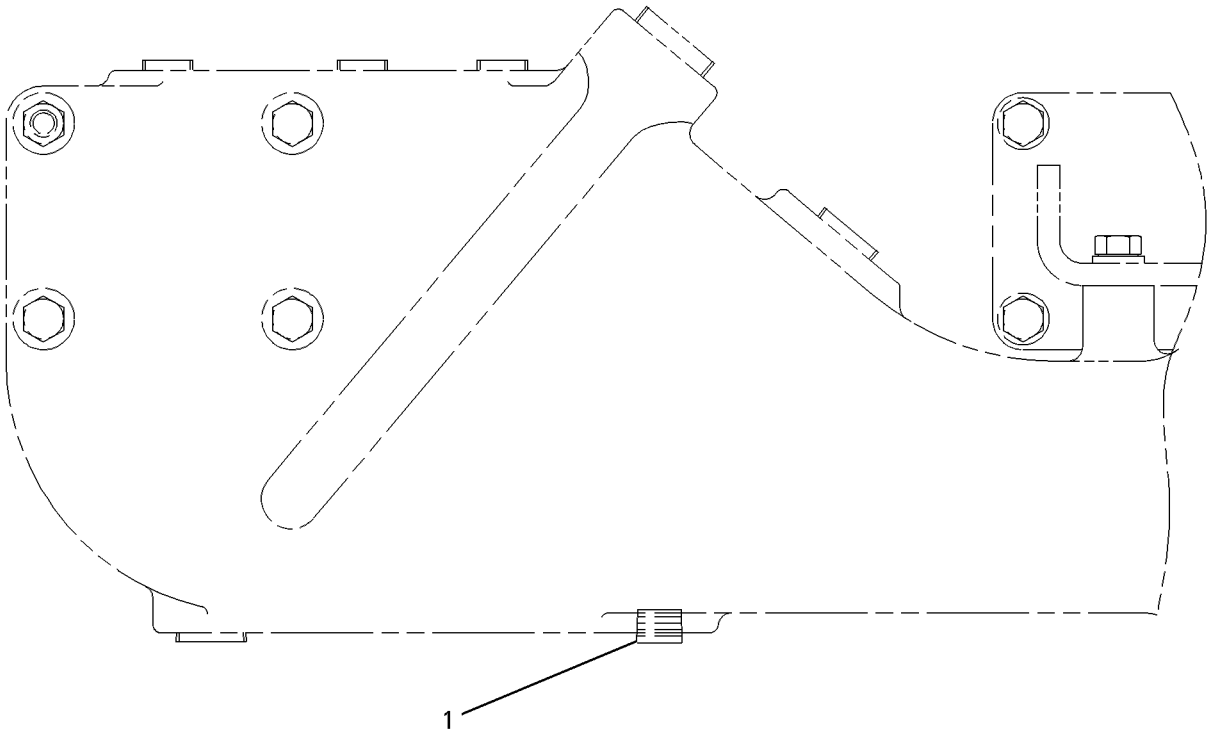
COOLING SYSTEM

159-1599 PLUG GP-WATER LINES

CANNOT BE USED WITH COOLANT CONDITIONER
AN ATTACHMENT

SMCS-1380 **i03326881**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7X-7732**	1	PLUG-PIPE (3/8-18 NPTF THD)	



RIGHT SIDE VIEW

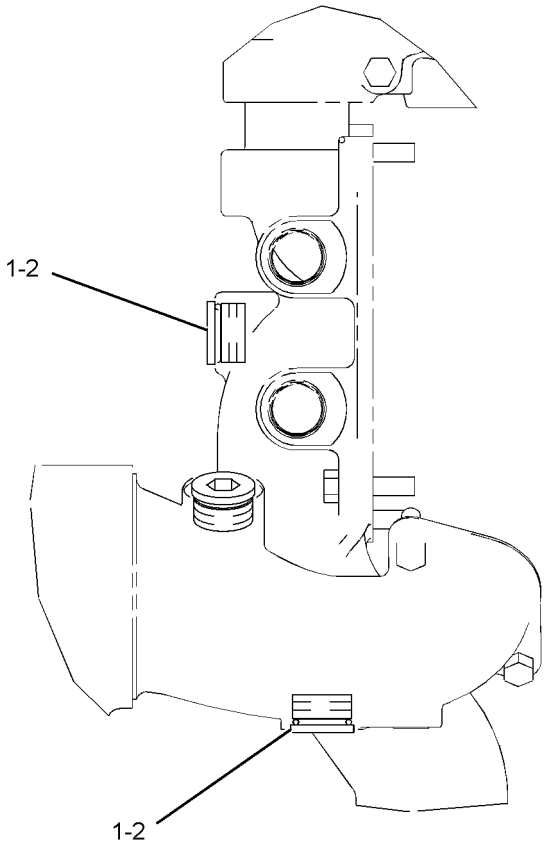
GRAPHIC #1 **<END>** g00434720

255-9250 PLUG GP-WATER LINES

S/N: JRE1-5354
CANNOT BE USED WITH COOLANT CONDITIONER GROUP
AN ATTACHMENT

SMCS-1380 **i02603989**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3D-2824**	3	SEAL-O-RING	
	2	1	**9S-8008**	3	PLUG-O RING (WATER LINES GROUP)	



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g01080901

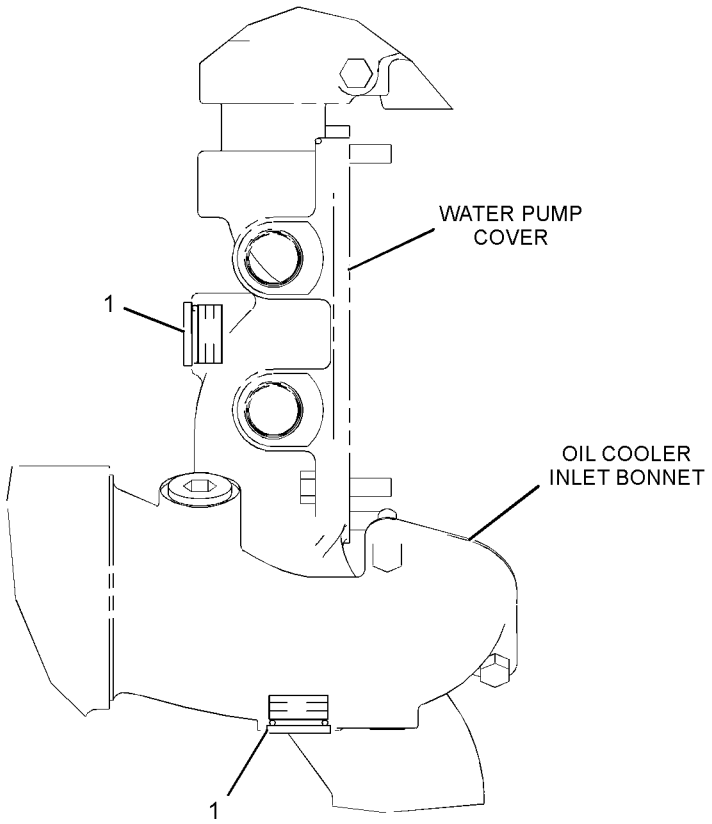
COOLING SYSTEM

255-9250 PLUG GP-WATER LINES

S/N: JRE5355-UP
CANNOT BE USED WITH COOLANT CONDITIONER GROUP
AN ATTACHMENT

SMCS-1380 **i02784209**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	*148-8409*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**9S-8008**	1	PLUG-O-RING	
C-CHANGE FROM PREVIOUS TYPE						



RIGHT SIDE VIEW OF ENGINE

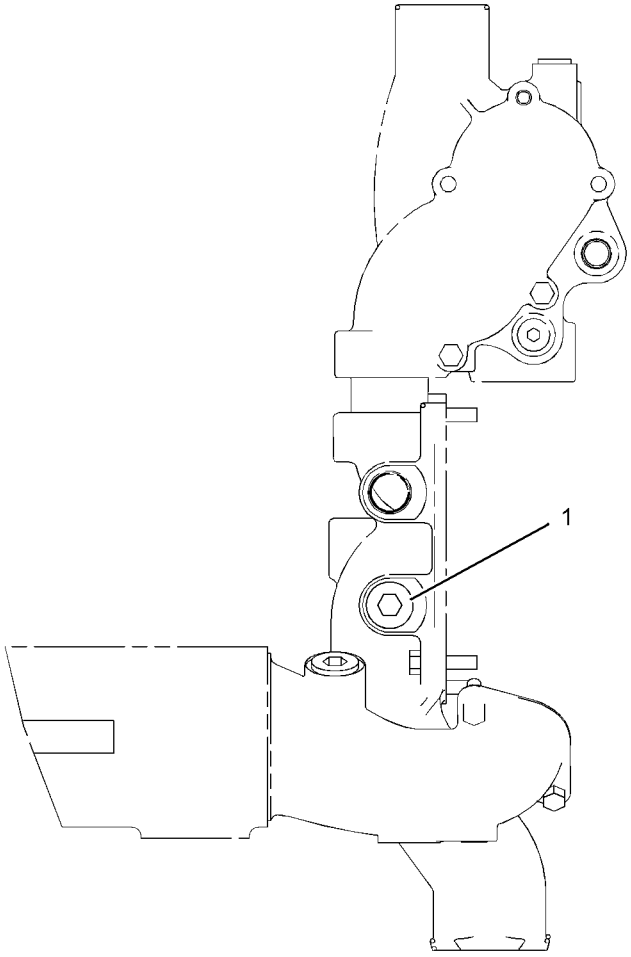
GRAPHIC #1 **<END>** g01420609

255-9251 PLUG GP-WATER LINES

CANNOT BE USED WITH RADIATOR GROUP
AN ATTACHMENT

SMCS-1380 **i02743365**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*148-8409*	1	PLUG AS	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**9S-8008**	1	PLUG-O-RING	



RIGHT SIDE VIEW

GRAPHIC #1

<END>

g01375644

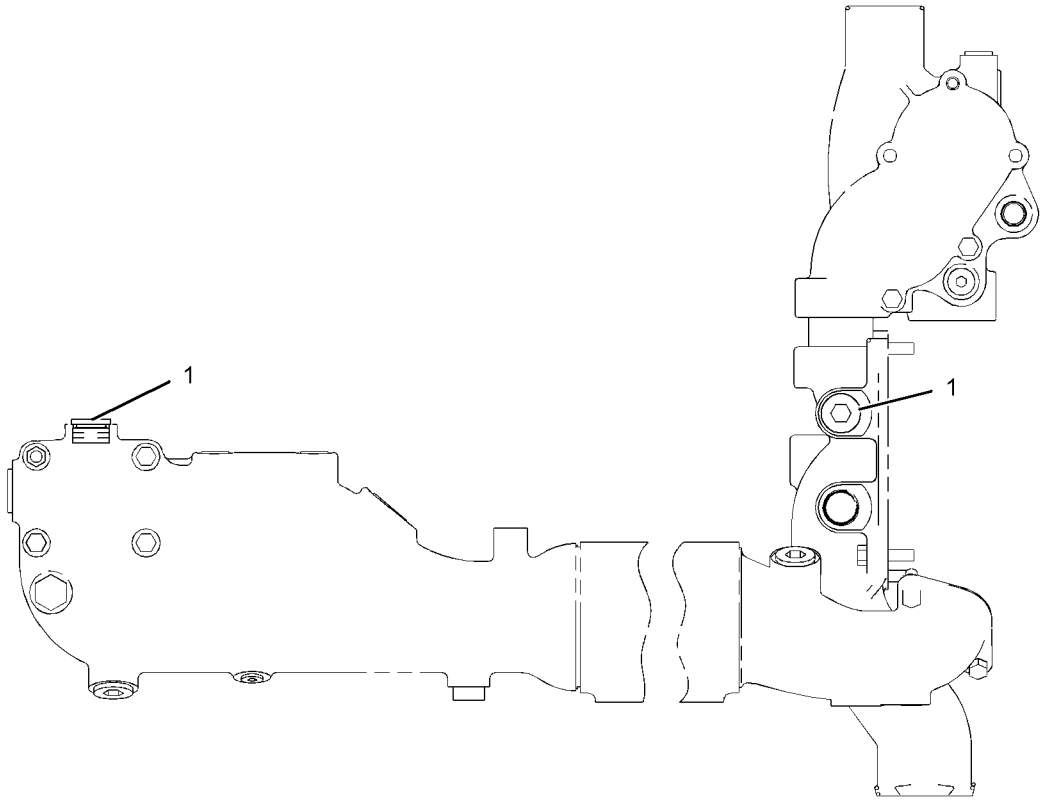
255-9252 PLUG GP-WATER LINES

CANNOT BE USED WITH WATER JACKET HEATER MOUNTING GROUP

AN ATTACHMENT

SMCS-1380 **i02743369**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*148-8409*	2	PLUG AS	
					(EACH INCLUDES)	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**9S-8008**	1	PLUG-O-RING	



RIGHT SIDE VIEW

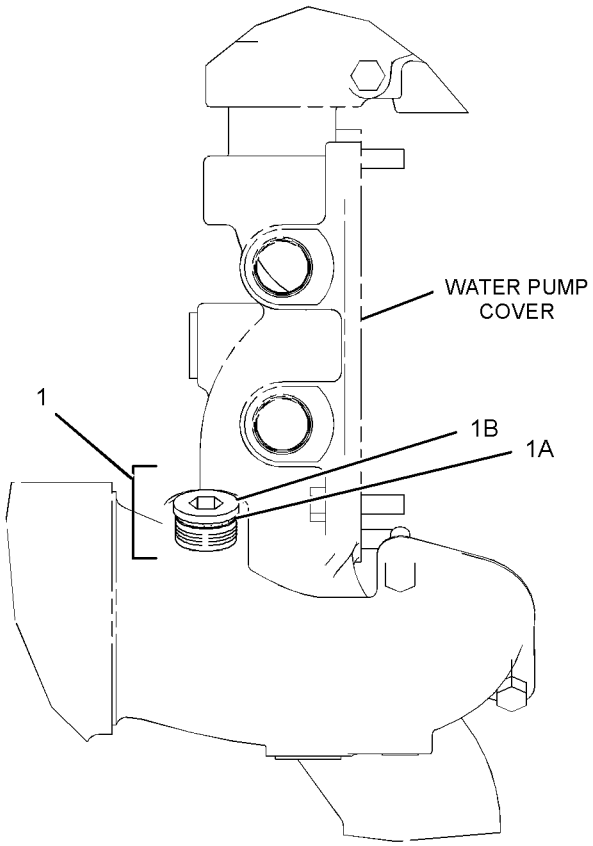
GRAPHIC #1 **<END>** g01375633

311-1441 PLUG GP-WATER LINES

FOR USE WITH C18 TIER INDUSTRIAL ENGINES. CANNOT BE USED WITH 311-1436—PAGE 661 AN ATTACHMENT

SMCS-1380 **i02763929**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*148-8409*	1	PLUG AS	
	1A	1	**3D-2824**	1	SEAL-O-RING	
	1B	1	**9S-8008**	1	PLUG-O-RING	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01386179

COOLING SYSTEM

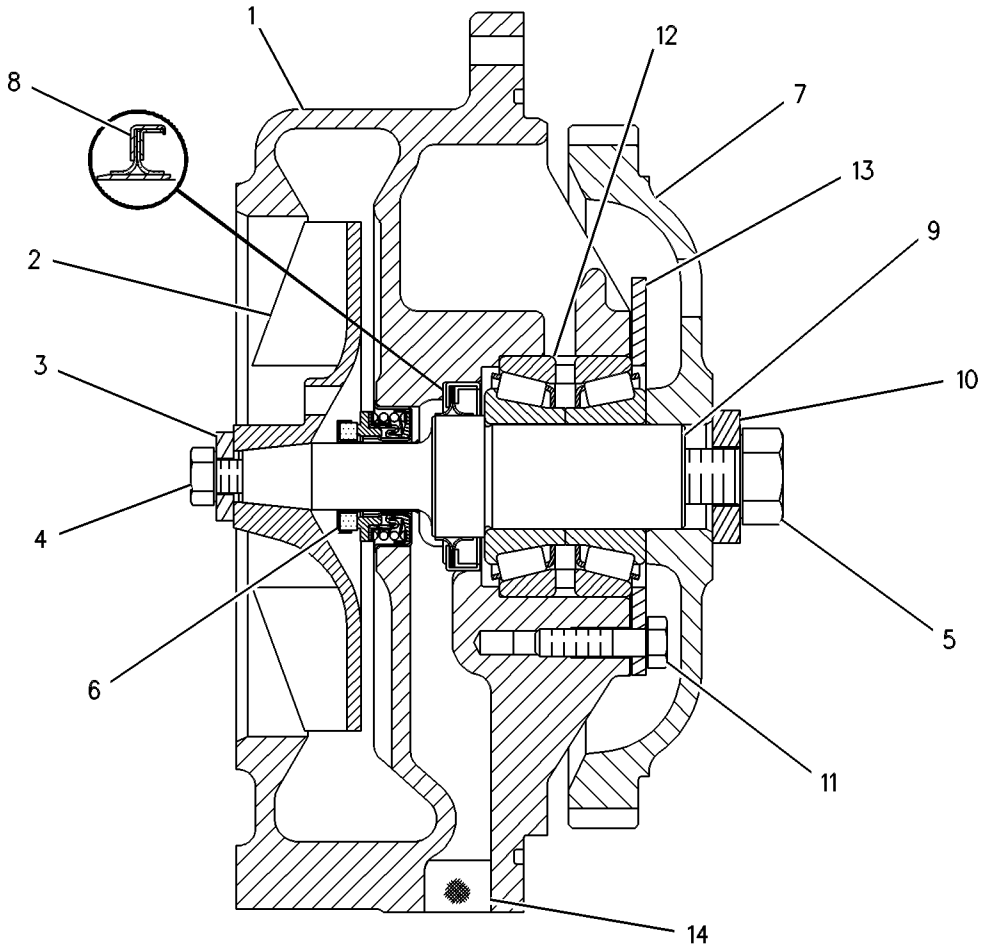
161-5719 PUMP GP-WATER*R

PART OF 174-5986 PUMP GP-WATER
ALSO AN ATTACHMENT

SMCS-1361 **i02740969**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**161-5718**	1	HOUSING-WATER PUMP	
	2	1	**129-9907**	1	IMPELLER-PUMP	
W	3	1	**9M-6527**	1	WASHER-HARD (10.2X25.5X5-MM THK)	
	4	1	**0S-1591**	1	BOLT (3/8-16X1.5-IN)	
	5	1	**1A-1135**	1	BOLT (5/8-11X2-IN)	
W	6	1	**128-0317**	1	SEAL GP (WATER PUMP)	
	7	1	**153-9023**	1	GEAR (74-TEETH)	
W	8	1	**153-1256**	1	SEAL-LIP TYPE	
W	9	1	**135-4928**	1	SHAFT-WATER PUMP	
W	10	1	**5S-0581**	1	WASHER-HARD (17X38X8-MM THK)	
	11	1	**1B-7182**	4	BOLT (5/16-18X1.25-IN)	
W	12	1	**108-7930**	1	BEARING AS-ROLLER	
W	13	1	**136-1107**	1	RETAINER	
W	14	1	**136-3742**	1	PLUG-FELT	
					AVAILABLE REPAIR KIT(S):	
W			**138-6744**	1	KIT-PUMP REBUILD (WATER)	
					INCLUDES WASHER, SEALS, BEARING AS, FILTERS, SHAFT-WATER PUMP, AND RETAINER	

W-KIT MARKED W INCLUDES PARTS MARKED W



GRAPHIC #1 **<END>** g00263499

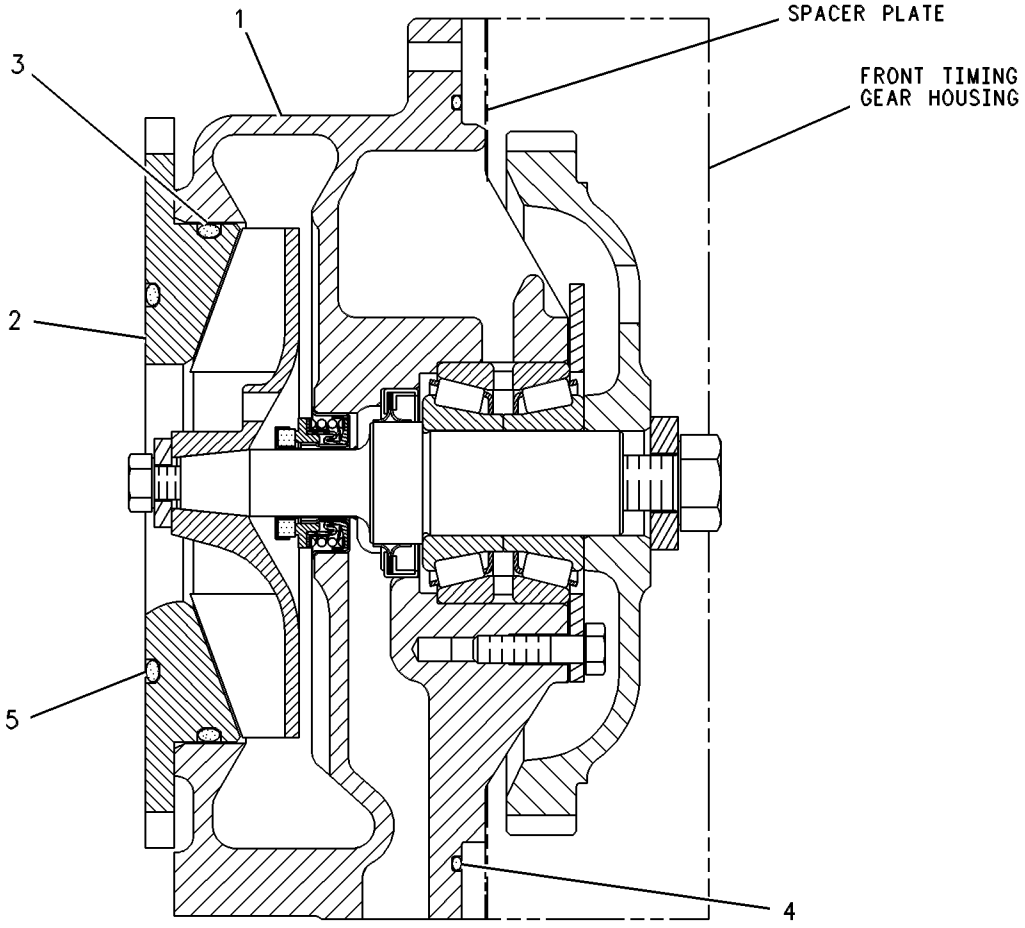
174-5986 PUMP GP-WATER

HEAVY DUTY PUMP
ALSO AN ATTACHMENT

SMCS-1361 **i02610618**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**161-5719**	1	PUMP GP-WATER	540
	2	1	**4P-2383**	1	ADAPTER	
	3	1	**9M-3786**	1	SEAL-O-RING	
	4	1	**122-3772**	1	SEAL-O-RING	
	5	1	**109-0077**	1	SEAL-O-RING	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00263504

COOLING SYSTEM

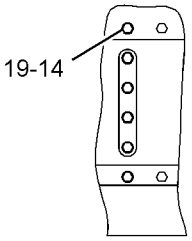
228-2674 RADIATOR GP

PART OF 228-4380, 230-3807, 230-3808, 256-6164, 256-6165 RADIATOR GP
AN ATTACHMENT

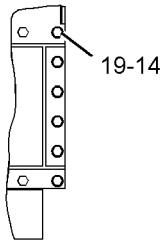
SMCS-1353 **i02729435**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**277-6220**	1	CORE AS-RADIATOR	
	2	1	**277-6221**	1	AFTERCOOLER AS	
	3	1	**277-6222**	2	GASKET (RADIATOR CORE)	
	4	1	**277-6223**	1	GUARD AS-RADIATOR (FRONT)	
	5	1	**277-6224**	2	BRACKET AS	
	6	1	**277-6228**	1	TANK AS-RADIATOR BOTTOM	
	7	1	**277-6229**	1	TANK AS-RADIATOR TOP	
	8	1	**277-6230**	1	CHANNEL AS-RADIATOR (LEFT)	
	9	1	**277-6231**	1	CHANNEL AS-RADIATOR (RIGHT)	
	10	1	**031-4155**	71	LOCKNUT (5/16-18-THD)	
	11	1	**1P-4278**	1	CLAMP-HOSE	
	12	1	**4D-9517**	2	CLIP	
	13	1	**4J-4382**	1	PLUG-PIPE	
	14	1	**4M-0061**	34	BOLT (5/16-18X0.75-IN)	
	15	1	**4M-6425**	71	BOLT (5/16-18X1-IN)	
	16	1	**5K-0906**	3	BOLT (5/16-18X0.625-IN)	
	17	1	**5M-6213**	1	PLUG-PIPE	
	18	1	**6L-8617**	1	CAP-PRESSURE (7-PSI) (RADIATOR)	
	19	1	**8T-4224**	37	WASHER-HARD (8.8X16X2-MM THK)	
D	20	1	**5P-5991**		HOSE (2-M)	
E	21	1	**263-6409**		SEAL (244-CM)	

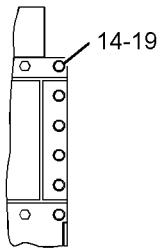
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER



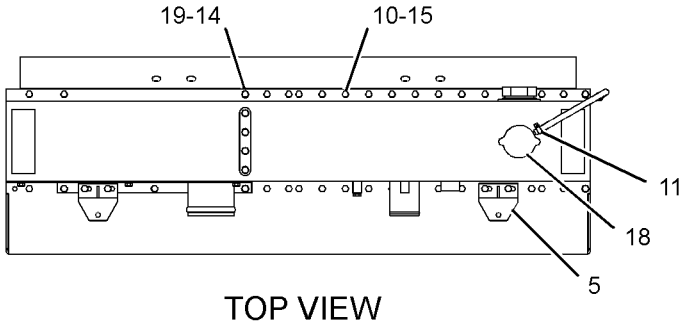
SECTION A-A



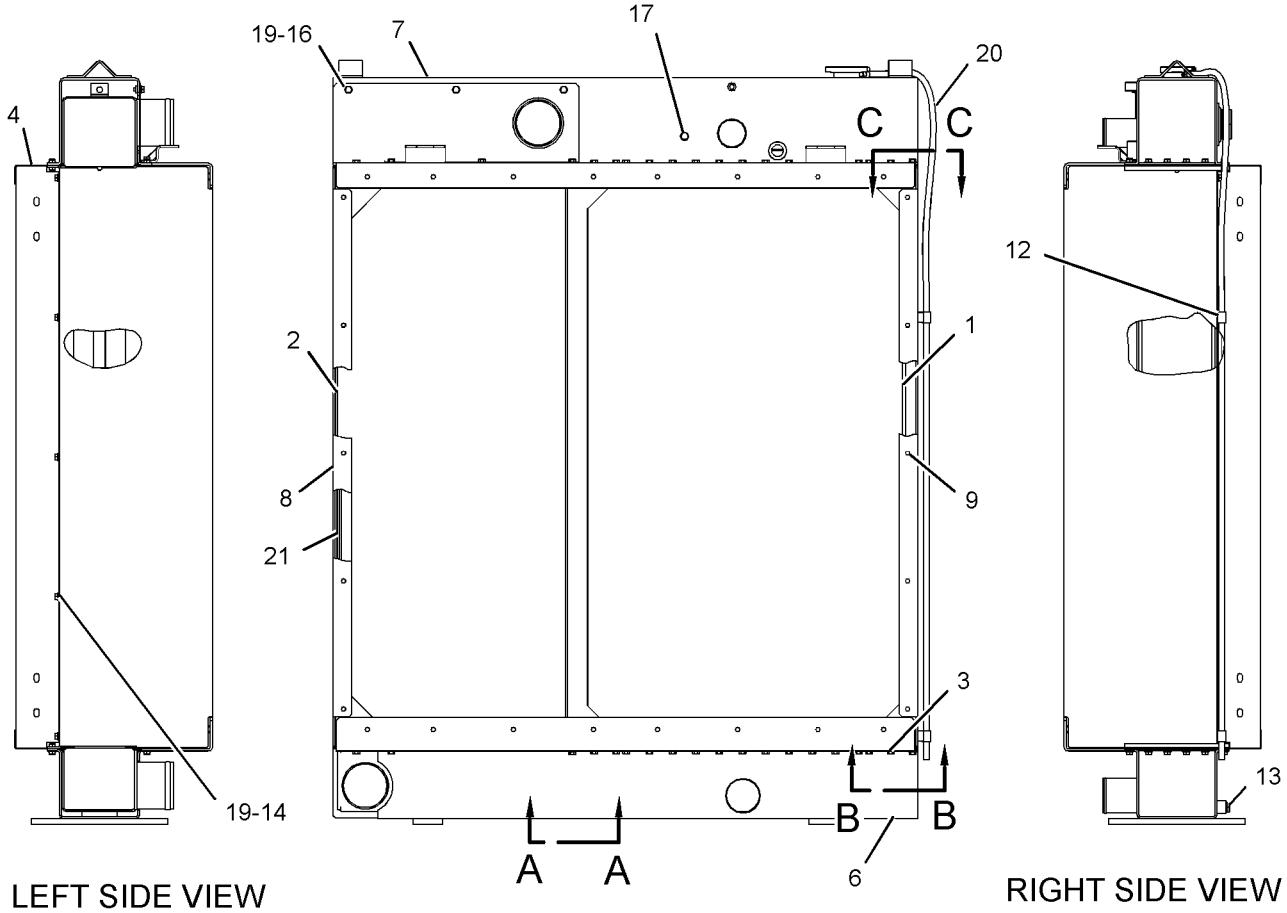
SECTION B-B



SECTION C-C



TOP VIEW



LEFT SIDE VIEW

REAR VIEW

RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g01370613

COOLING SYSTEM

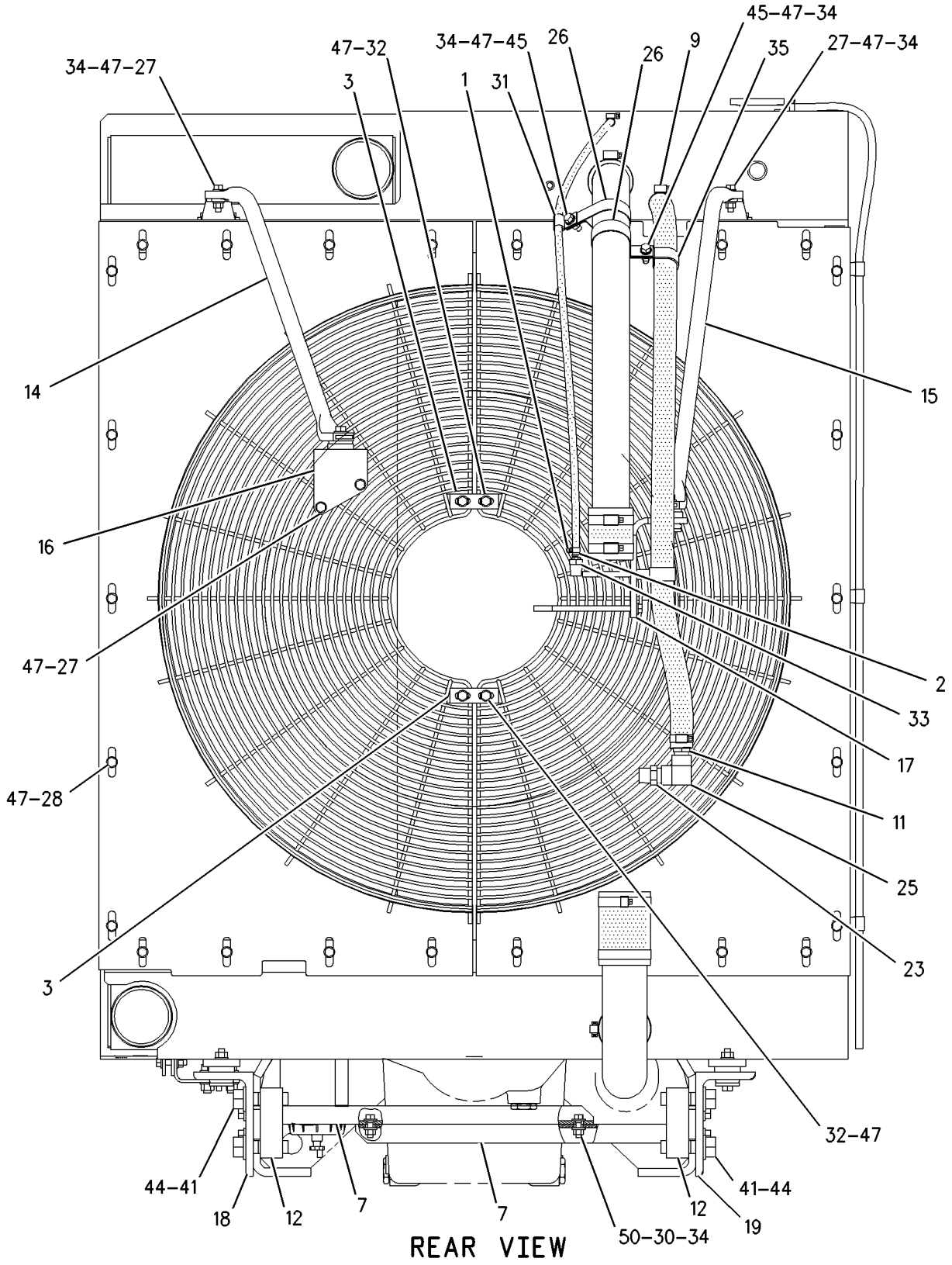
228-4380 RADIATOR GP

FOR USE WITH 135-4326—PAGE 398
AN ATTACHMENT

SMCS-1353 **i02540177**

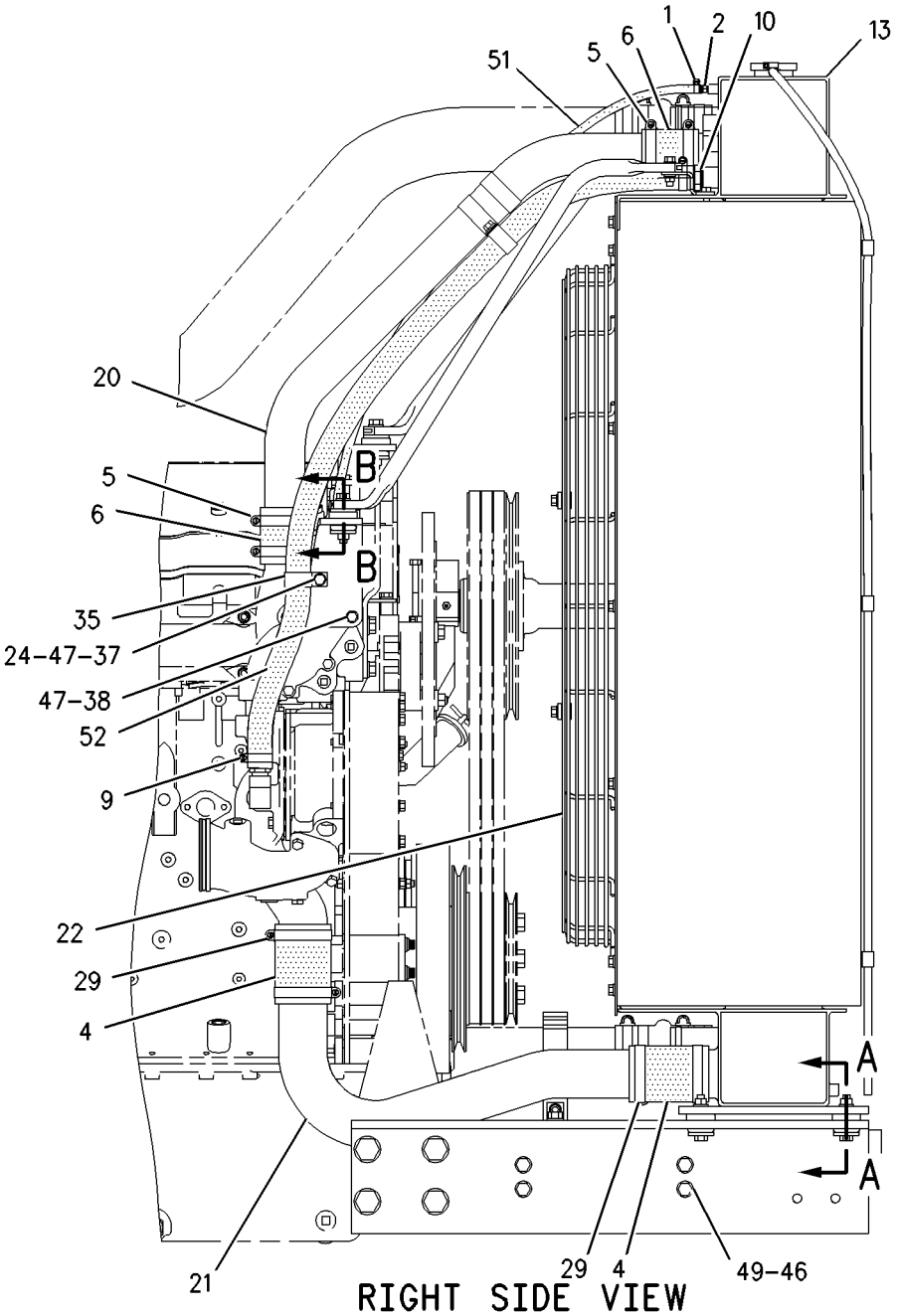
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	1,2	**1P-9328**	2	FITTING	
	3	1	**4L-5757**	2	STRAP	
	4	2	**4V-1878**	2	HOSE (RADIATOR)	
	5	2	**5P-4868**	4	CLAMP-HOSE	
	6	2	**6L-4854**	2	HOSE (RADIATOR)	
	7	1	**7N-4600**	2	BRACE AS	
	8	2	**8D-3786**	2	MOUNTING	
	9	1,2	**8T-1117**	2	CLAMP-HOSE	
	10	2	**005-4273**	1	CONNECTOR-HOSE	
	11	1	**053-2313**	1	CONNECTOR	
	12	1	**186-0712**	4	PLATE	
Y	13	2	**228-2674**	1	RADIATOR GP	542
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9899**	2	GUARD AS-FAN	
	23	1	**004-7270**	1	FITTING-PIPE	
	24	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	25	1	**1K-6937**	1	ELBOW-PIPE	
	26	1	**2S-7010**	2	CLIP	
	27	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	28	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	29	2	**5P-0598**	4	CLAMP-HOSE	
	30	1	**5P-1075**	12	WASHER-HARD (10.2X22.5X3-MM THK)	
	31	1	**5P-9299**	1	CLIP	
	32	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	33	1	**6B-5072**	1	BUSHING-REDUCING	
	34	1	**6V-8801**	10	NUT (3/8-16-THD)	
	35	1,2	**7D-7233**	2	CLIP	
	36	2	**7T-8332**	4	MOUNTING	
	37	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	38	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	39	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	40	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	41	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	42	2	**7X-0447**	6	NUT (7/16-14-THD)	
	43	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	44	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	45	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	46	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	47	1,2	**8T-4896**	43	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	48	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	49	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	50	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	51	2	**5P-6442**		HOSE (102 CM) (RADIATOR)	
E	52	2	**5P-1251**		HOSE (127 CM) (RADIATOR)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

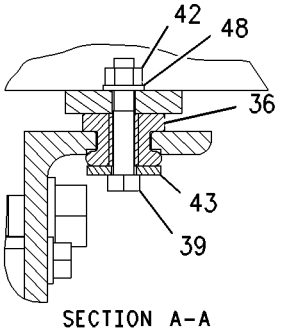


GRAPHIC #1 g00985180

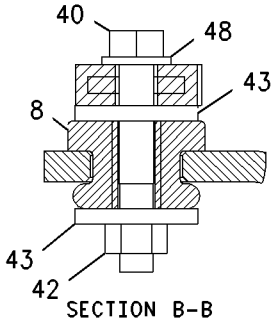
228-4380 **RADIATOR GP** *(contd.)* **i02540177**



RIGHT SIDE VIEW



SECTION A-A



SECTION B-B

GRAPHIC #2 **<END>** g00984922

COOLING SYSTEM

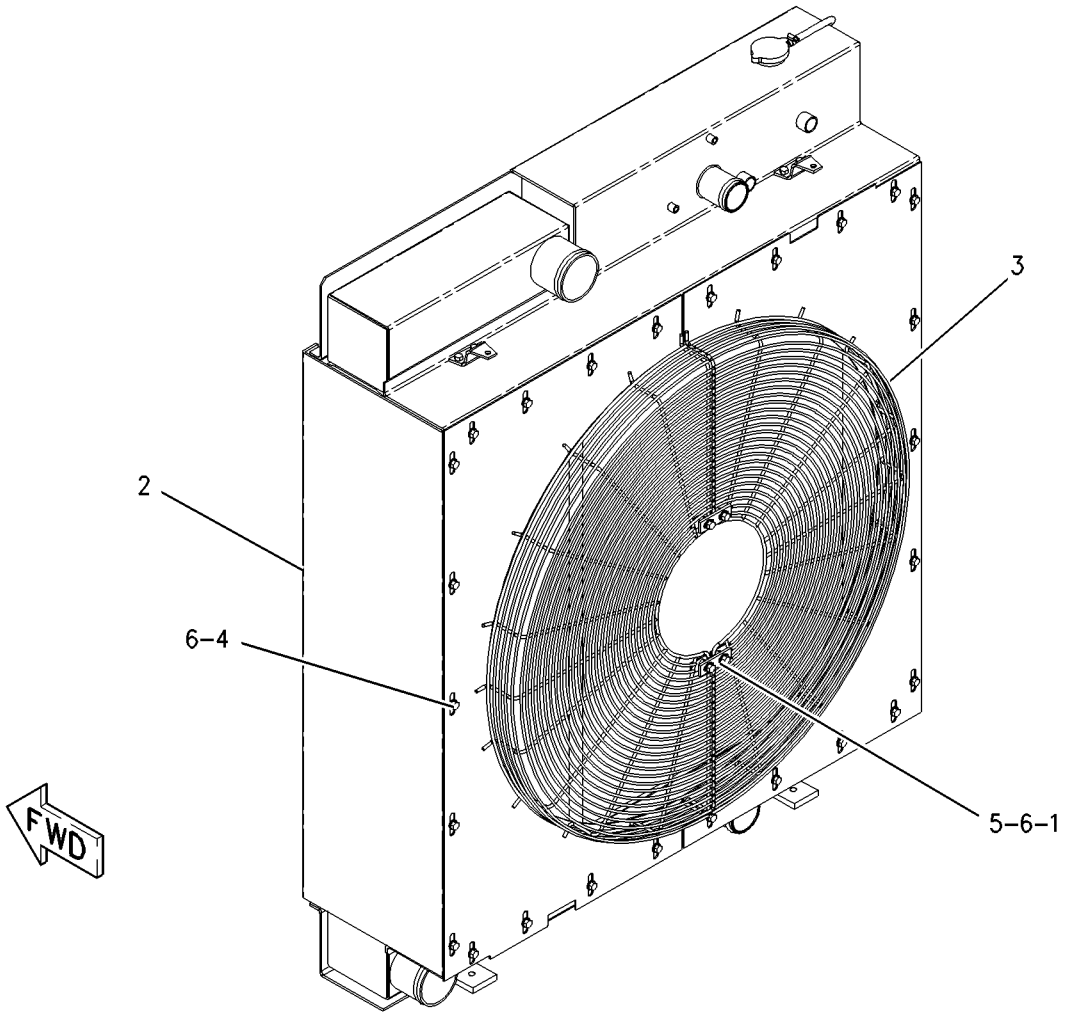
230-3807 RADIATOR GP

S/N: JRE1-8739
FOR USE WITH 40 IN FAN
AN ATTACHMENT

SMCS-1353 **i03213183**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-5757**	2	STRAP	
Y	2	1	**228-2674**	1	RADIATOR GP	542
	3	1	**228-9899**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	4	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	5	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	6	1	**8T-4896**	30	WASHER-HARD (10.2X18.5X2.5-MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00984955

COOLING SYSTEM

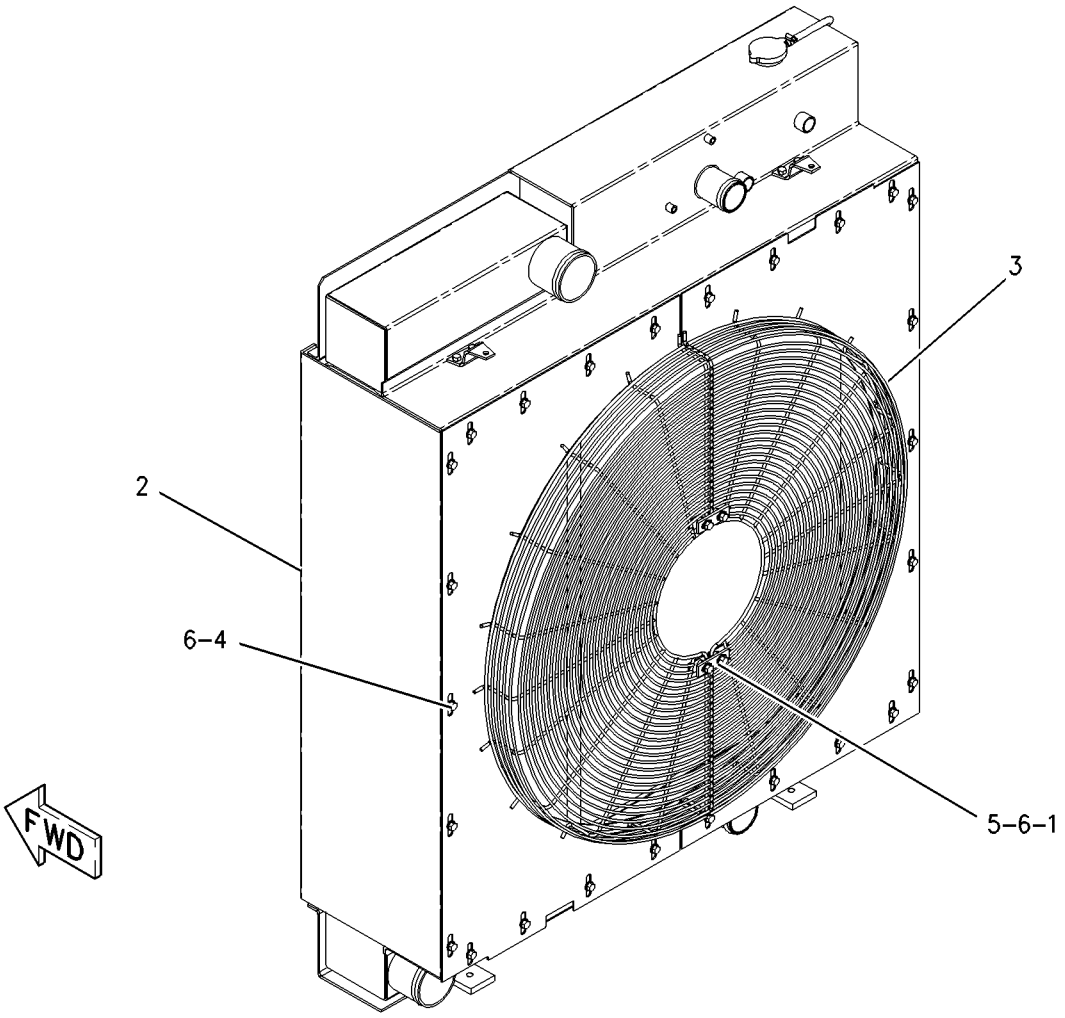
230-3807 RADIATOR GP

S/N: JRE8740-UP
FOR USE WITH 40 IN FAN
AN ATTACHMENT

SMCS-1353 **i03175595**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-5757**	2	STRAP	
CY	2	1	**297-4283**	1	RADIATOR GP	581
	3	1	**228-9899**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	4	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	5	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	6	1	**8T-4896**	30	WASHER-HARD (10.2X18.5X2.5-MM THK)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00984955

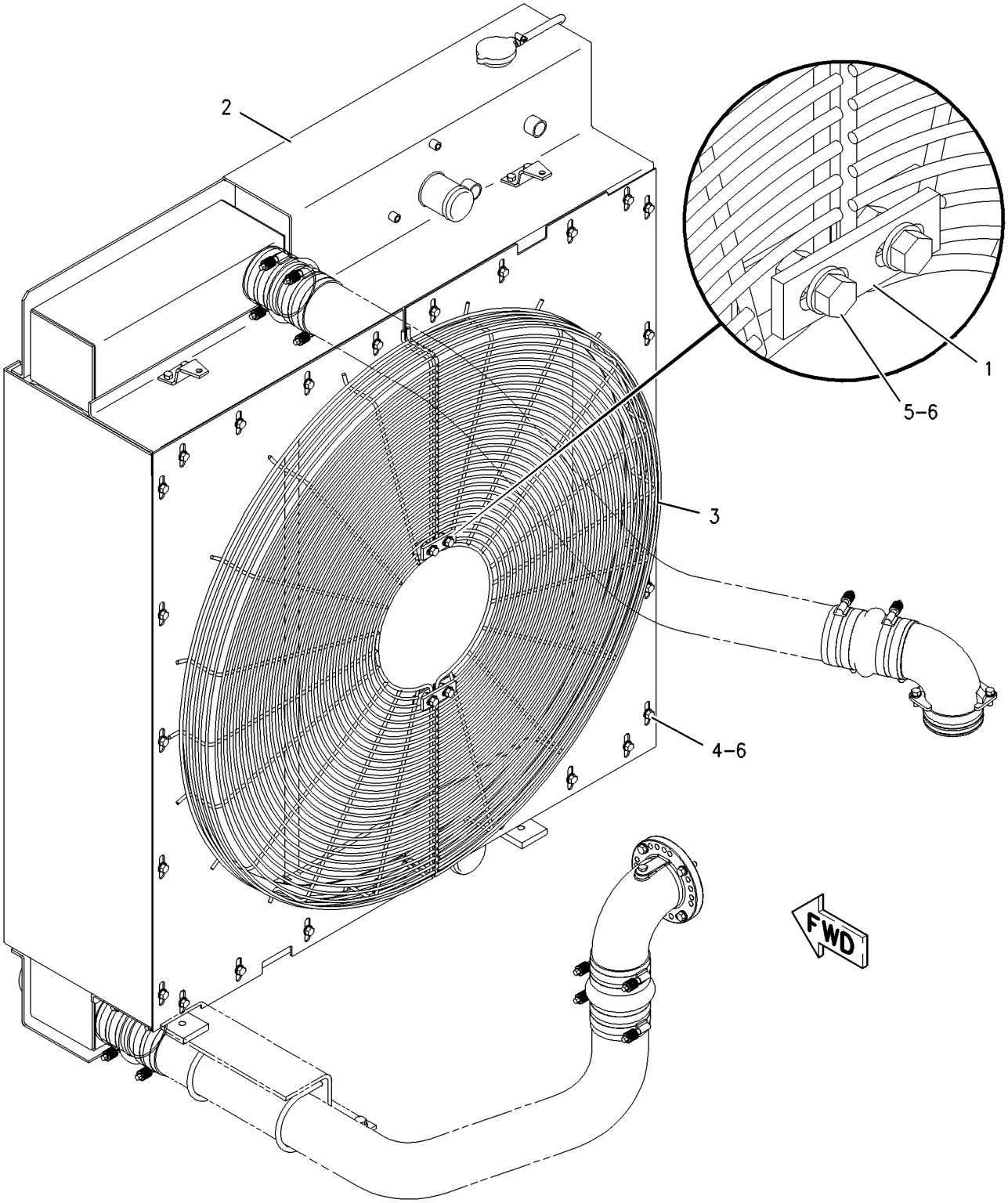
230-3808 RADIATOR GP

S/N: JRE1-8739
FOR USE WITH 43 IN FAN
AN ATTACHMENT

SMCS-1353 **i03213185**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-5757**	2	STRAP	
Y	2	1	**228-2674**	1	RADIATOR GP	542
	3	1	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	4	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	5	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	6	1	**8T-4896**	30	WASHER-HARD (10.2X18.5X2.5-MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00984997

COOLING SYSTEM

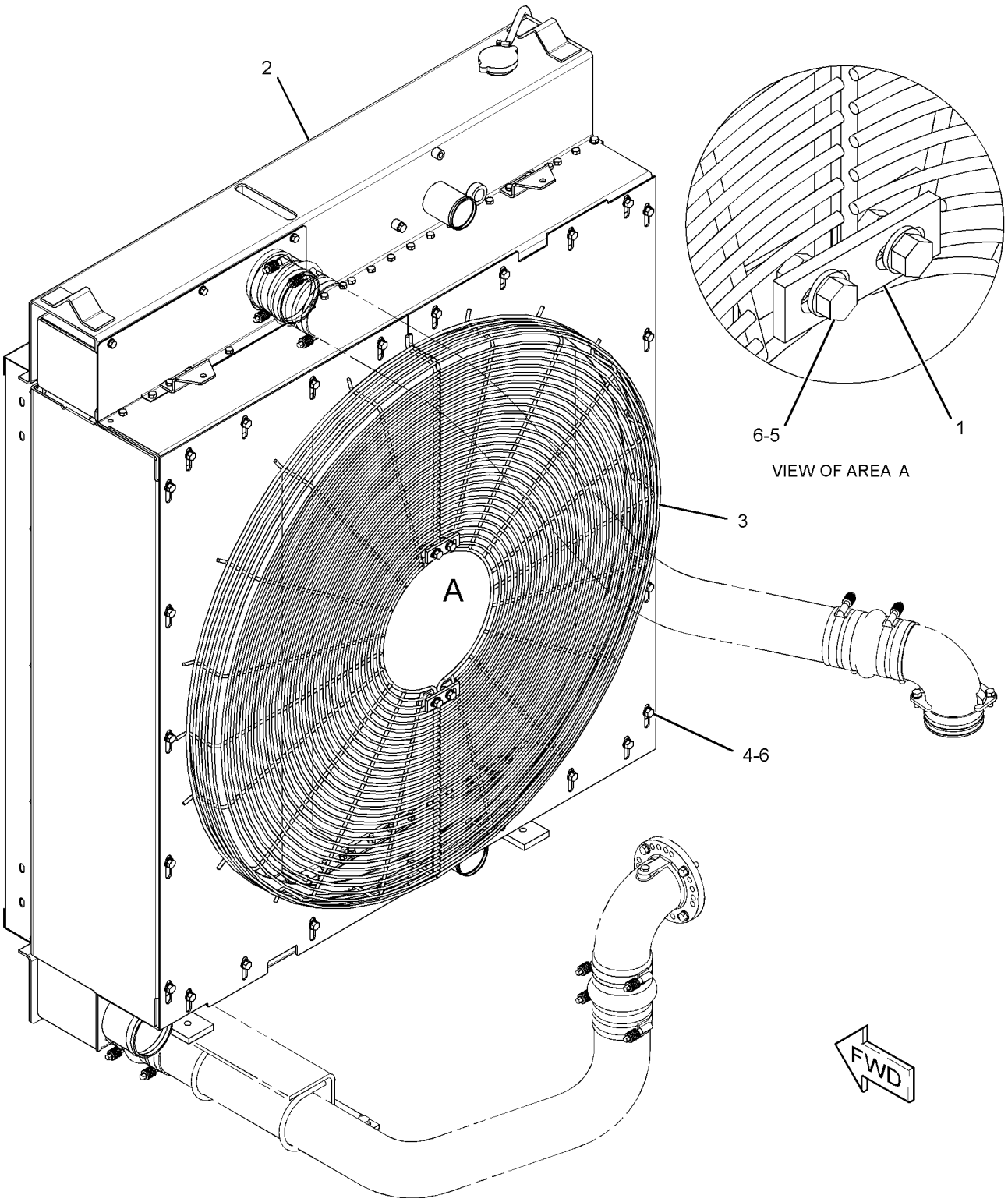
230-3808 RADIATOR GP

S/N: JRE8740-UP
FOR USE WITH 43 IN FAN
AN ATTACHMENT

SMCS-1353 **i03203184**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4L-5757**	2	STRAP	
CY	2	1	**297-4283**	1	RADIATOR GP	581
	3	1	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	4	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	5	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	6	1	**8T-4896**	30	WASHER-HARD (10.2X18.5X2.5-MM THK)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01636927

COOLING SYSTEM

256-6164 RADIATOR GP

S/N: JRE1-122

FOR USE WITH SINGLE TURBO, AIR LINES, FAN DRIVE, ADAPTER GROUPS, WIDE FRONT SUPPORT, 43-INCH FAN, FORWARD OR REAR EXHAUST. CANNOT BE USED WITH TWIN TURBO

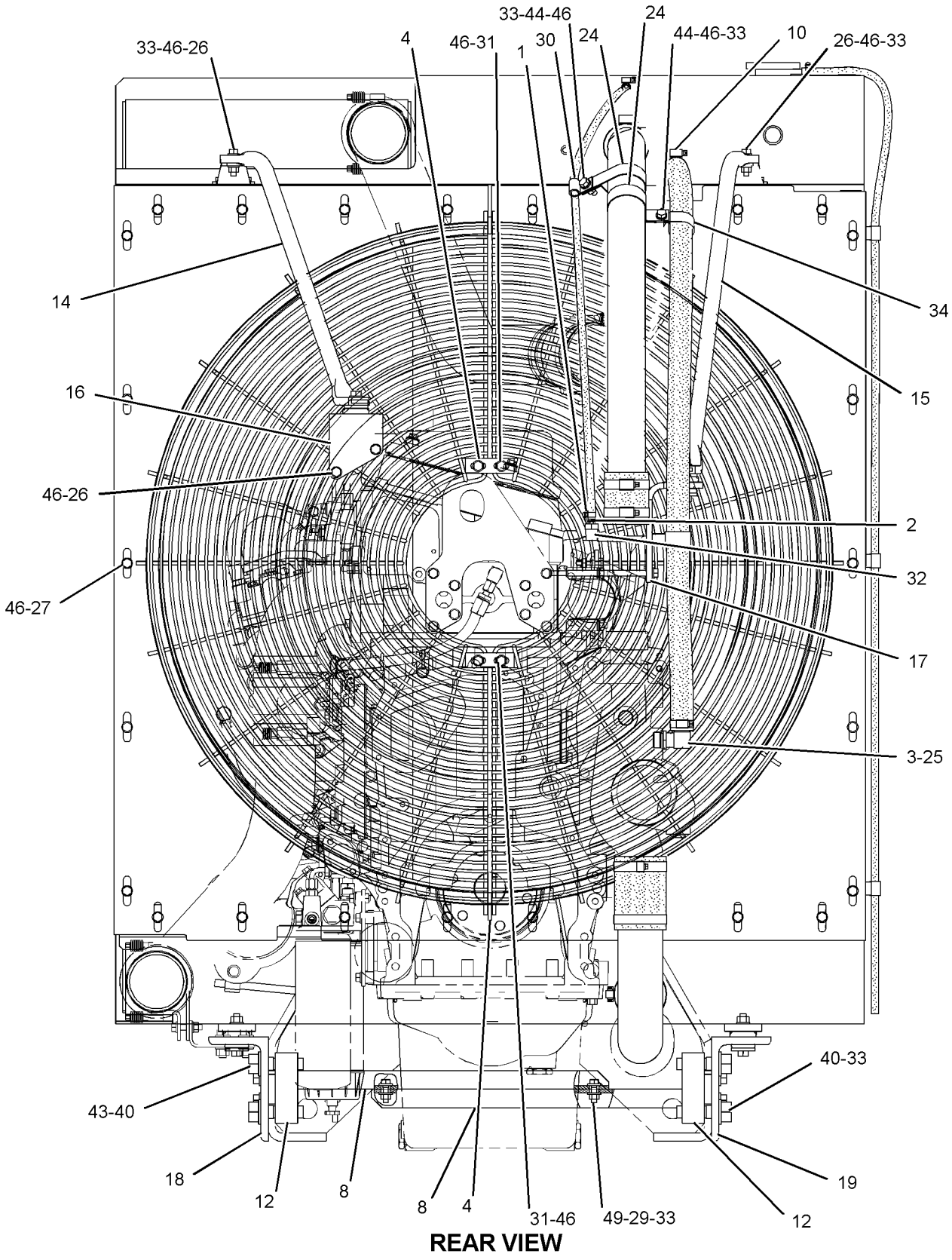
AN ATTACHMENT

SMCS-1353 **i03213188**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	1,2	**1P-9328**	2	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE (RADIATOR)	
	6	2	**5P-4868**	4	CLAMP-HOSE	
E	7	2	**5P-1262**		HOSE (11-CM EACH) (RADIATOR))	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	2	**005-4273**	1	CONNECTOR-HOSE	
	12	1	**186-0712**	4	PLATE	
Y	13	2	**228-2674**	1	RADIATOR GP	542
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	23	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	1	**2S-7010**	2	CLIP	
	25	1	**3D-2824**	1	SEAL-O-RING	
	26	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	2	**5P-0598**	4	CLAMP-HOSE	
	29	1	**5P-1075**	12	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	1	**5P-9299**	1	CLIP	
	31	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	32	1	**6B-5072**	1	BUSHING-REDUCING	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	1,2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	46	1,2	**8T-4896**	43	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-1251**		HOSE (131-CM) (RADIATOR))	
E	51	2	**5P-6442**		HOSE (102-CM) (RADIATOR))	

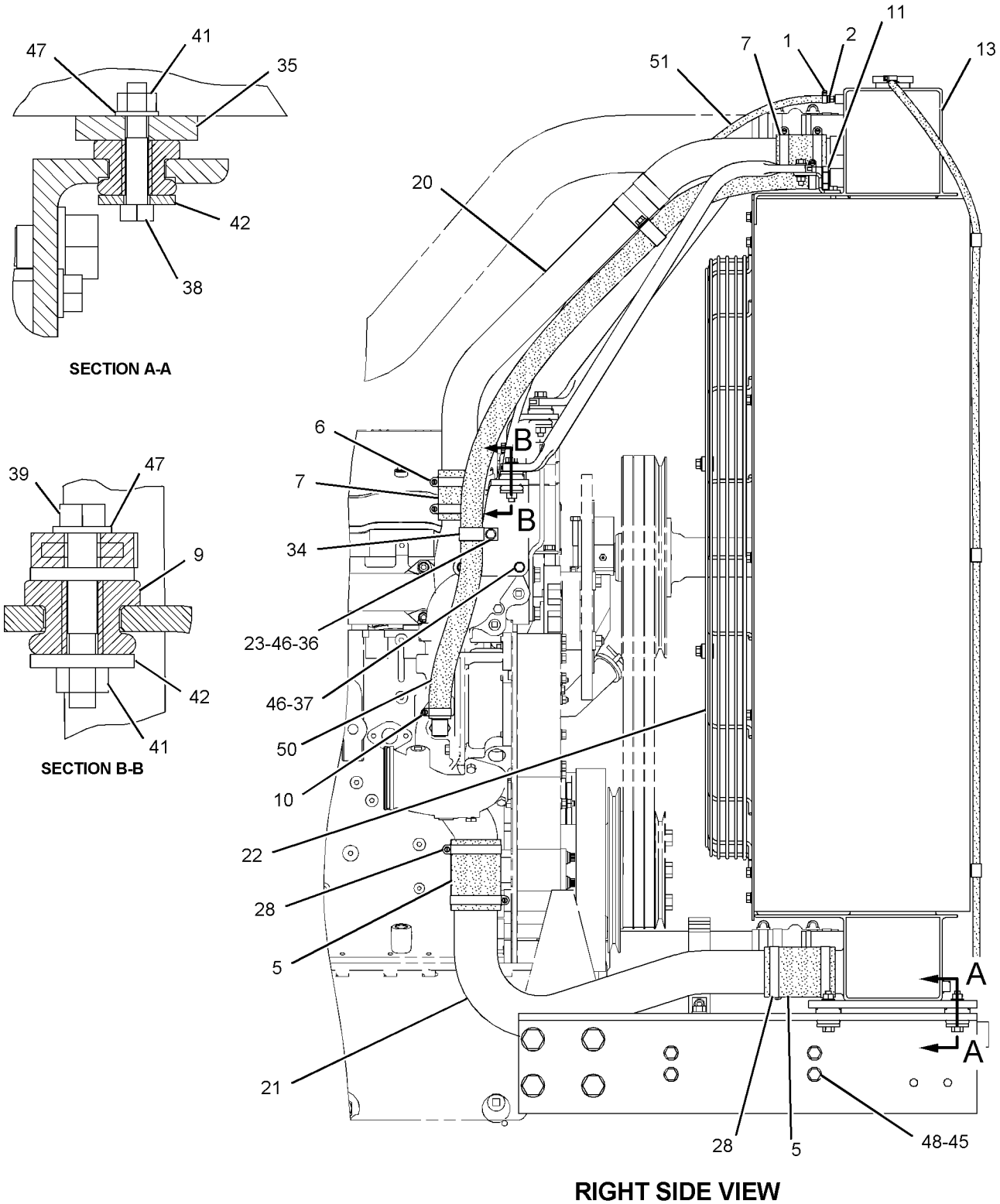
256-6164 **RADIATOR GP** *(contd.)* **i03213188**

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



REAR VIEW

GRAPHIC #1 g01081828



GRAPHIC #2 **<END>** g01081829

COOLING SYSTEM

256-6164 RADIATOR GP

S/N: JRE123-5354

FOR USE WITH SINGLE TURBO, AIR LINES, FAN DRIVE, ADAPTER GROUPS, WIDE FRONT SUPPORT, 43-INCH FAN, FORWARD OR REAR EXHAUST. CANNOT BE USED WITH TWIN TURBO

AN ATTACHMENT

SMCS-1353 **i03213189**

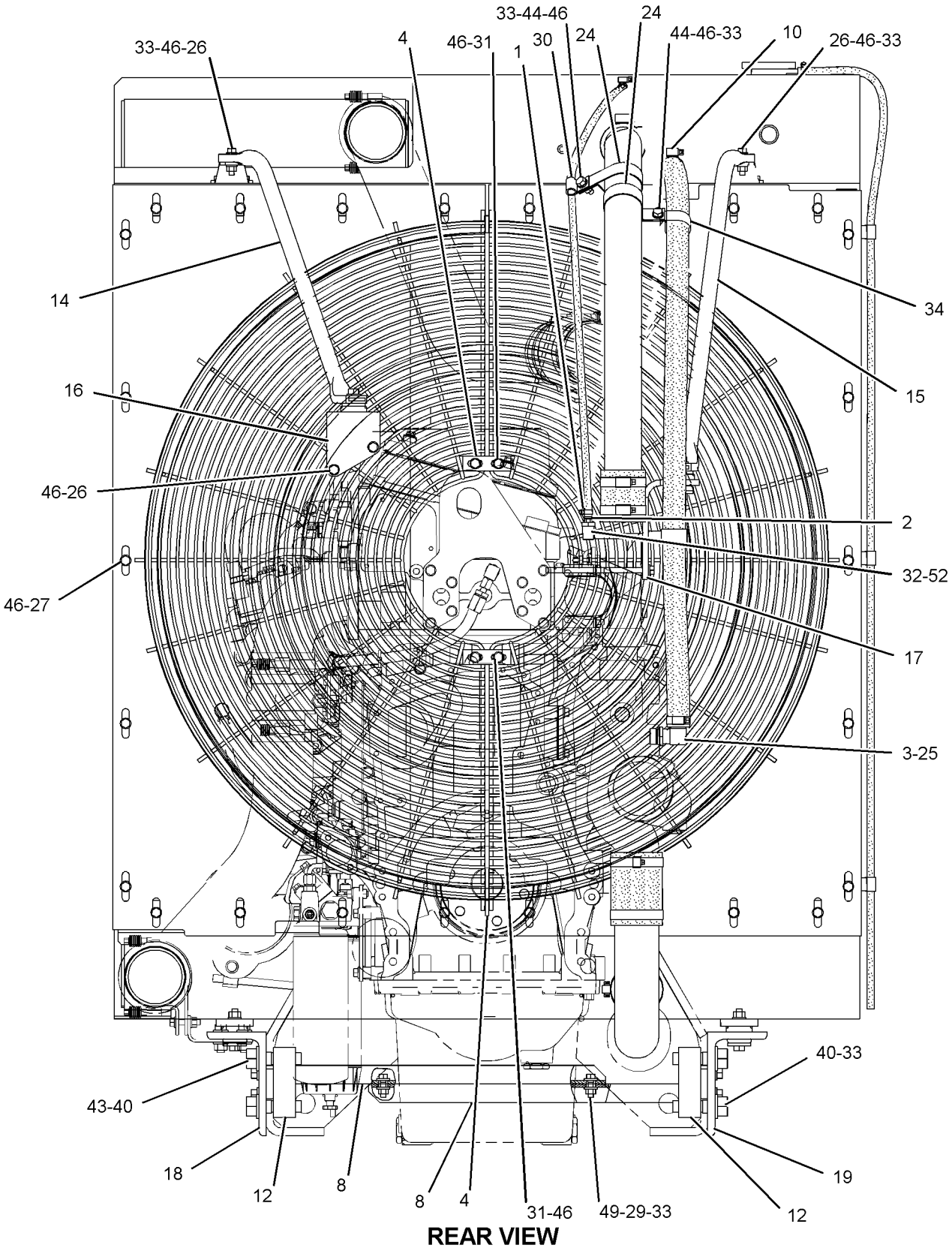
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	1,2	**1P-9328**	2	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE (RADIATOR)	
	6	2	**5P-4868**	4	CLAMP-HOSE	
E	7	2	**5P-1262**		HOSE (11-CM EACH) (RADIATOR))	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	2	**005-4273**	1	CONNECTOR-HOSE	
	12	1	**186-0712**	4	PLATE	
Y	13	2	**228-2674**	1	RADIATOR GP	542
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	23	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	1	**2S-7010**	2	CLIP	
	25	1	**3D-2824**	1	SEAL-O-RING	
	26	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	2	**5P-0598**	4	CLAMP-HOSE	
	29	1	**5P-1075**	12	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	1	**5P-9299**	1	CLIP	
	31	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
C	32	1	**8J-7844**	1	FITTING-ADAPTER	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	1,2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	46	1,2	**8T-4896**	43	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-1251**		HOSE (131-CM) (RADIATOR))	
E	51	2	**5P-6442**		HOSE (102-CM) (RADIATOR))	

256-6164 **RADIATOR GP** *(contd.)* **i03213189**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	52	1	**3K-0360**	1	SEAL-O-RING	

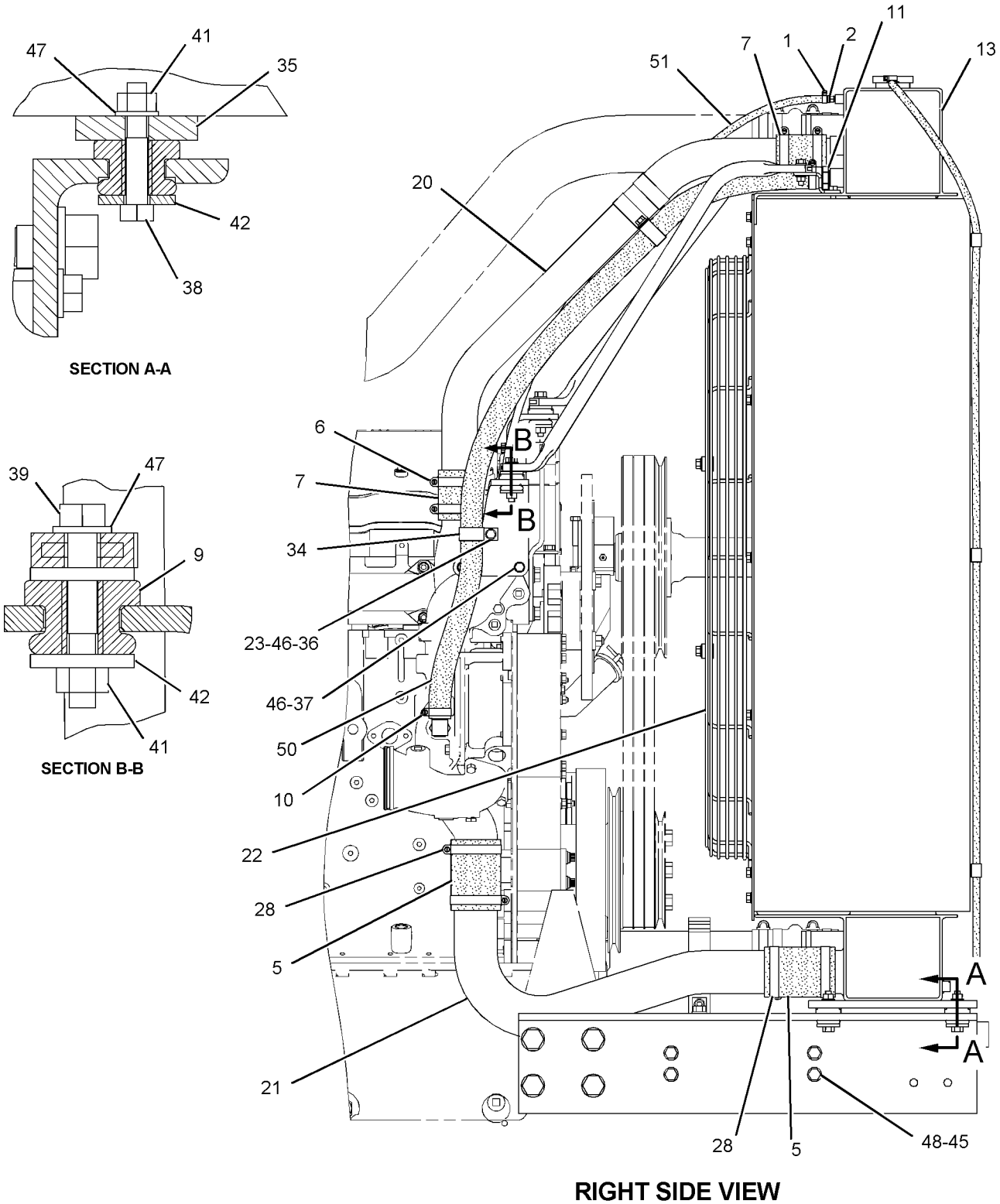
C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

256-6164 **RADIATOR GP** *(contd.)* **i03213189**



REAR VIEW

GRAPHIC #1 g01150375



GRAPHIC #2 **<END>** g01081829

COOLING SYSTEM

256-6164 RADIATOR GP

S/N: JRE5355-8739

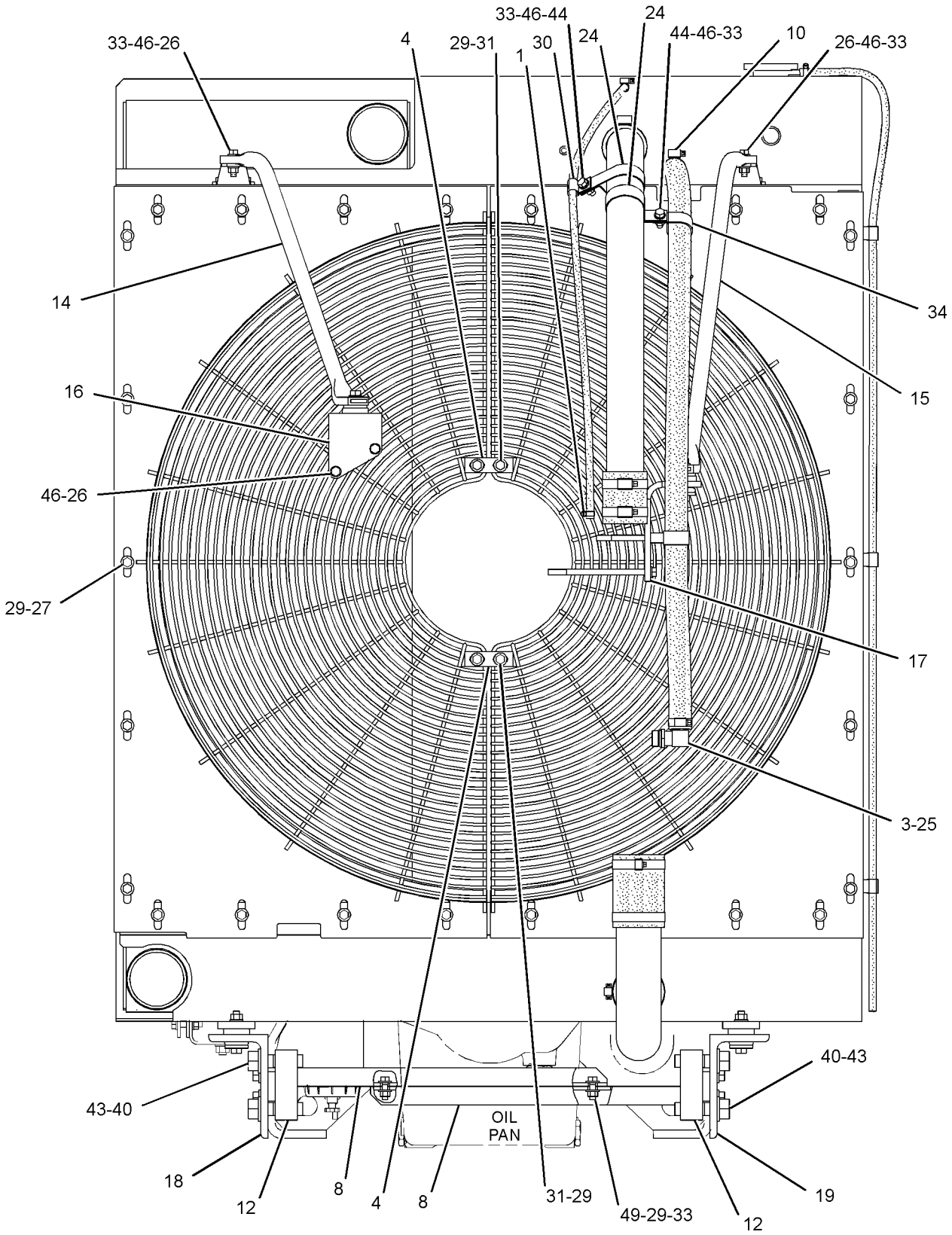
FOR USE WITH SINGLE TURBO, AIR LINES, FAN DRIVE, ADAPTER GROUPS, WIDE FRONT SUPPORT, 43-INCH FAN, FORWARD OR REAR EXHAUST. CANNOT BE USED WITH TWIN TURBO

AN ATTACHMENT

SMCS-1353 **i03213187**

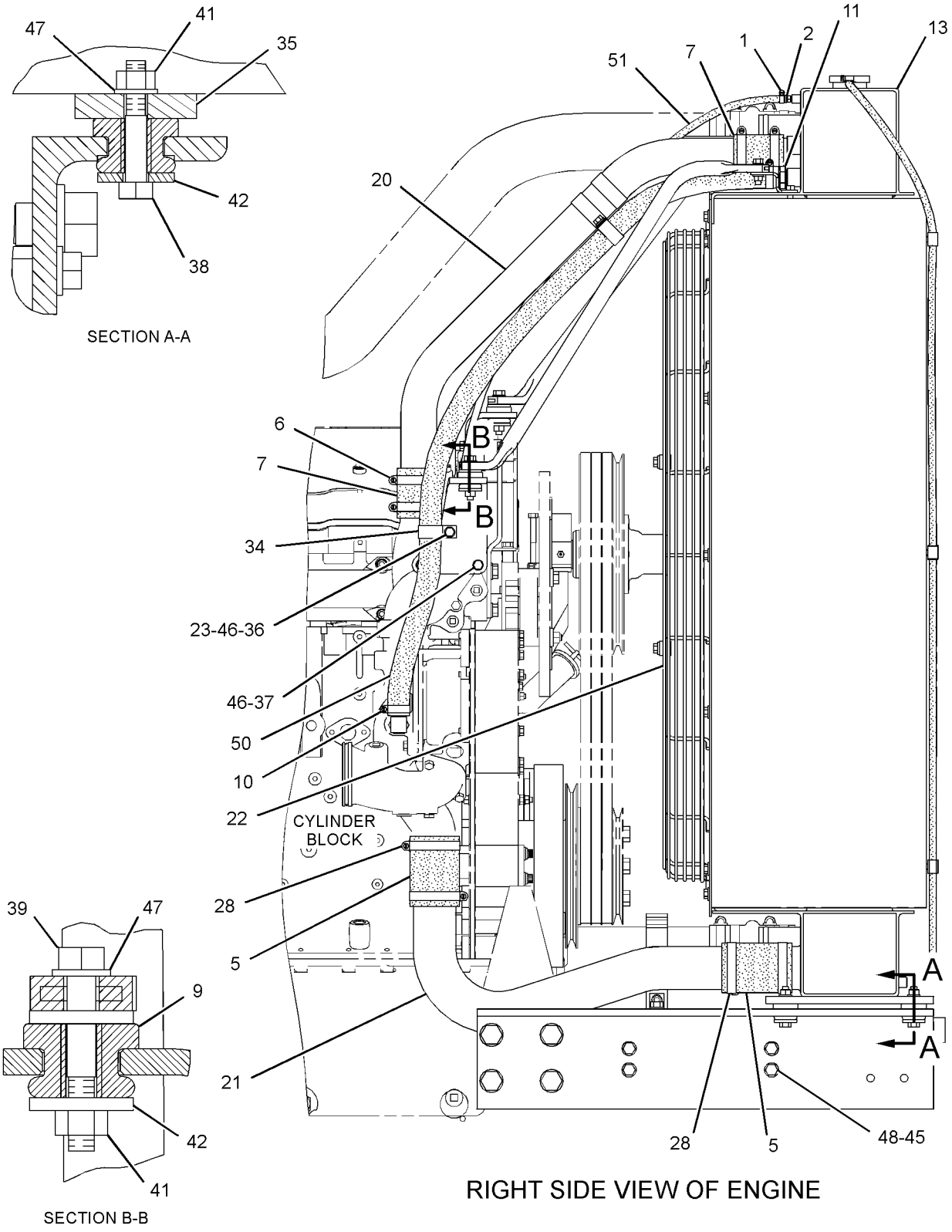
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	2	**1P-9328**	1	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE	
	6	2	**5P-4868**	4	CLAMP-HOSE	
	7	2	**6L-4854**	2	HOSE	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	2	**005-4273**	1	CONNECTOR-HOSE	
	12	1	**186-0712**	4	PLATE	
Y	13	2	**228-2674**	1	RADIATOR GP	542
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	23	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	1	**2S-7010**	2	CLIP	
	25	1	**3D-2824**	1	SEAL-O-RING	
	26	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	2	**5P-0598**	4	CLAMP-HOSE	
C	29	1	**5P-1075**	42	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	1	**5P-9299**	1	CLIP	
	31	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
C	46	1,2	**8T-4896**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-1251**		HOSE (131-CM)	
E	51	2	**5P-6442**		HOSE (102-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



REAR VIEW OF ENGINE

GRAPHIC #1 g01454148



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #2 **<END>** g01454149

COOLING SYSTEM

256-6164 RADIATOR GP

S/N: JRE8740-UP

FOR USE WITH SINGLE TURBO, AIR LINES, FAN DRIVE, ADAPTER GROUPS, WIDE FRONT SUPPORT, 43-INCH FAN, FORWARD OR REAR EXHAUST. CANNOT BE USED WITH TWIN TURBO

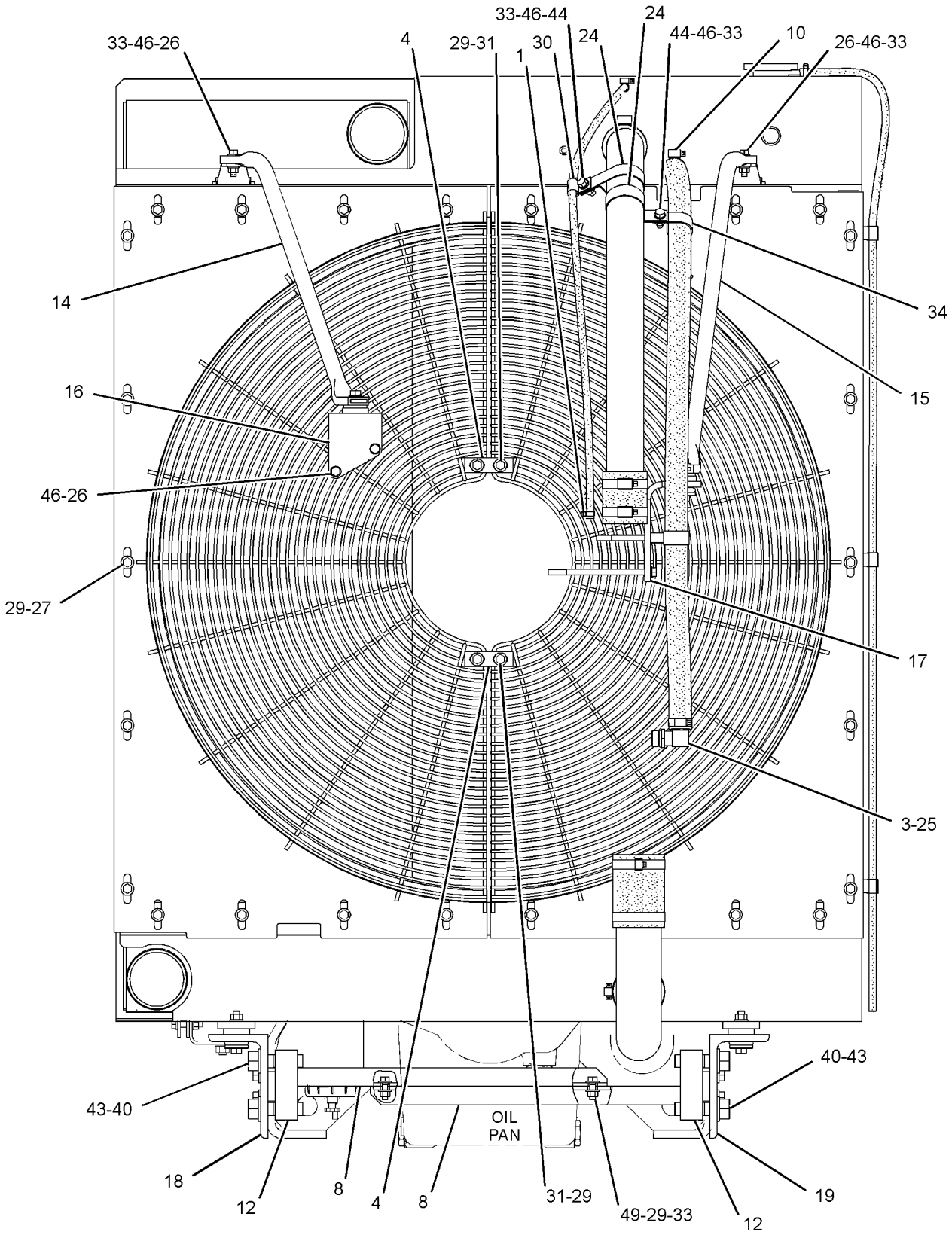
AN ATTACHMENT

SMCS-1353 **i03208874**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	2	**1P-9328**	1	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE	
	6	2	**5P-4868**	4	CLAMP-HOSE	
	7	2	**6L-4854**	2	HOSE	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	2	**005-4273**	1	CONNECTOR-HOSE	
	12	1	**186-0712**	4	PLATE	
CY	13	2	**297-4283**	1	RADIATOR GP	581
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	23	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	1	**2S-7010**	2	CLIP	
	25	1	**3D-2824**	1	SEAL-O-RING	
	26	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	2	**5P-0598**	4	CLAMP-HOSE	
	29	1	**5P-1075**	42	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	1	**5P-9299**	1	CLIP	
	31	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	46	1,2	**8T-4896**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-1251**		HOSE (131-CM)	
E	51	2	**5P-6442**		HOSE (102-CM)	

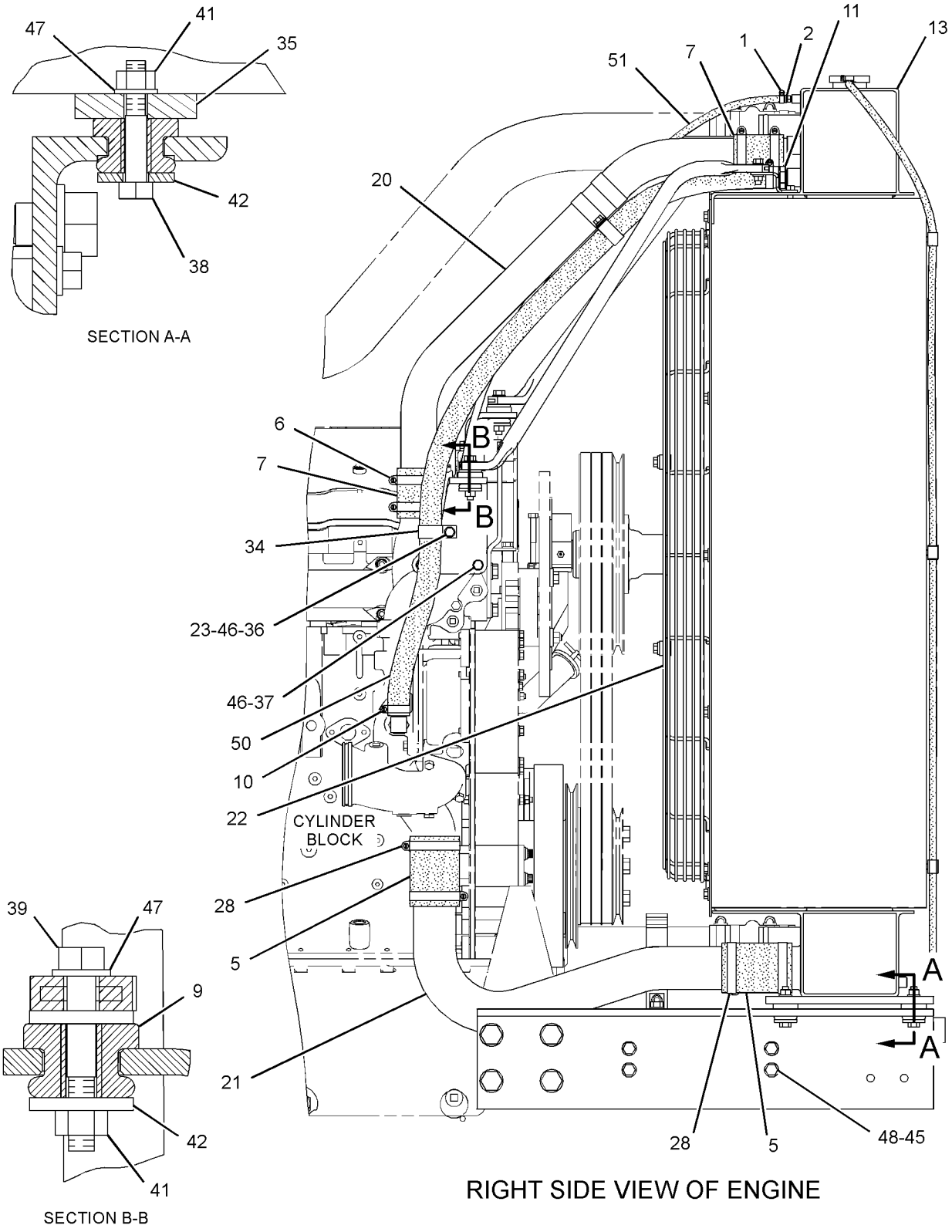
C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

256-6164 **RADIATOR GP** *(contd.)* **i03208874**



REAR VIEW OF ENGINE

GRAPHIC #1 g01454148



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #2 **<END>** g01454149

COOLING SYSTEM

256-6165 RADIATOR GP

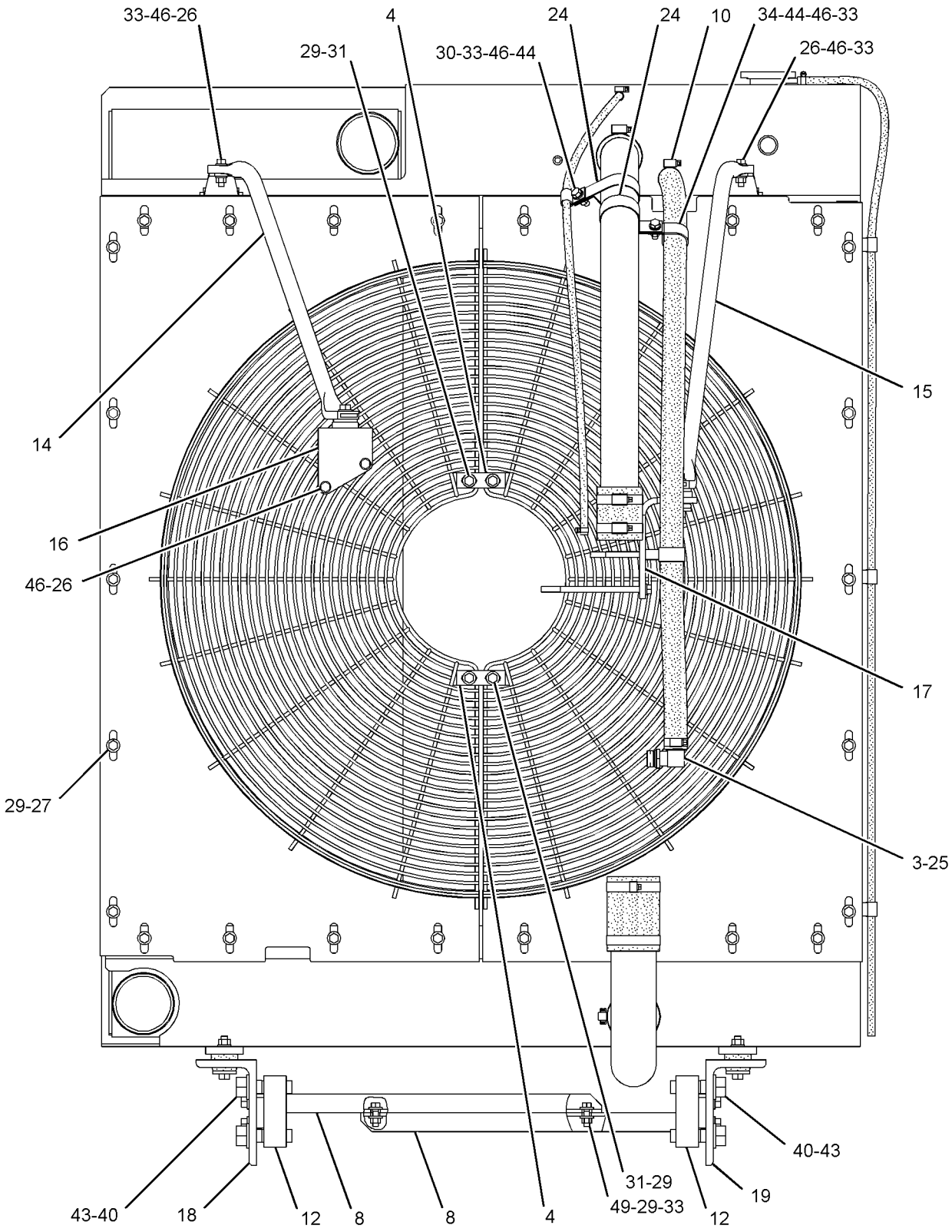
S/N: JRE1-8739

FOR USE WITH SINGLE TURBO, AIR LINES, FAN DRIVE, ADAPTER GROUPS, WIDE FRONT SUPPORT, 40-INCH FAN, FORWARD OR REAR EXHAUST AN ATTACHMENT

SMCS-1353 **i03213190**

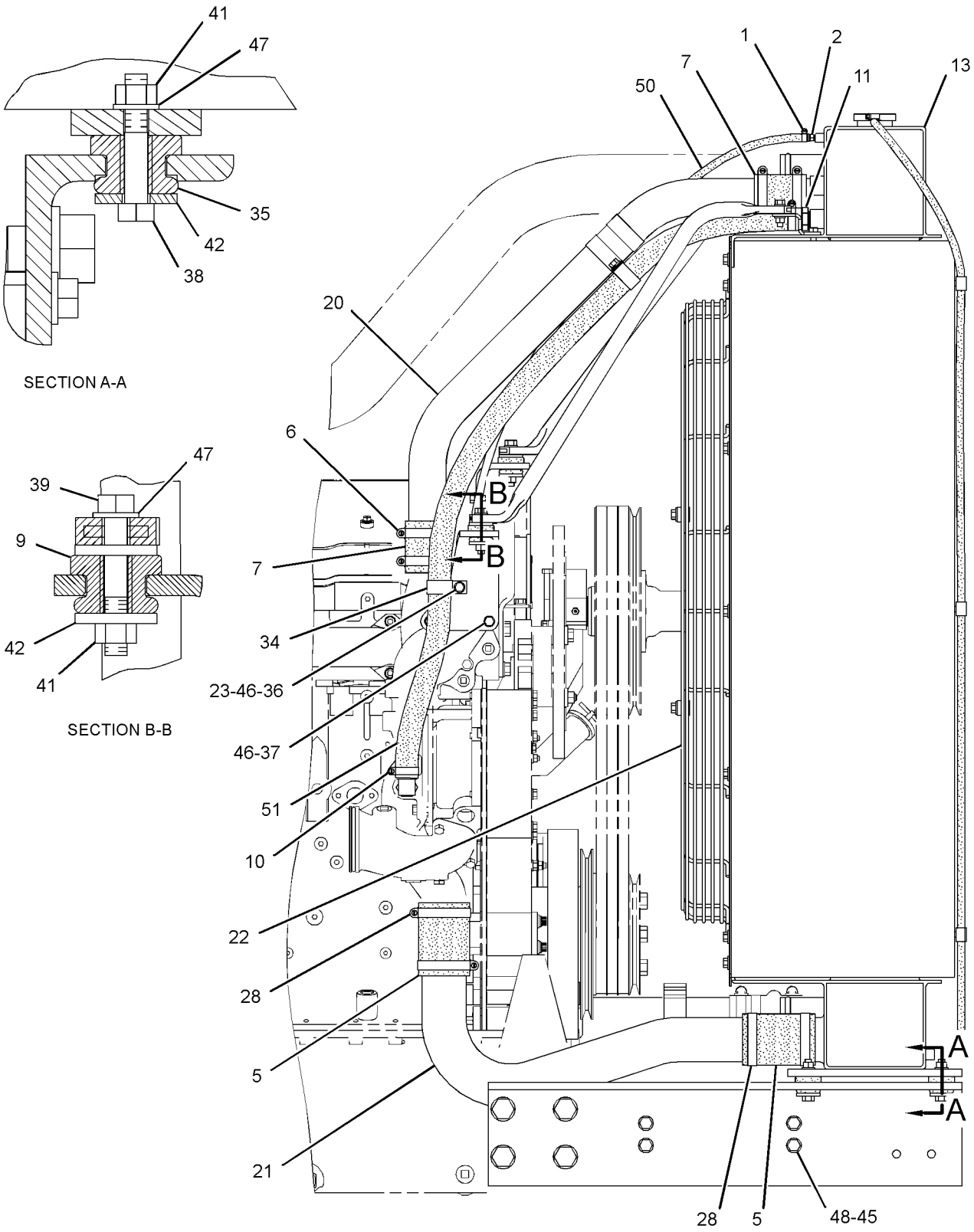
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**1P-4278**	2	CLAMP-HOSE	
	2	2	**1P-9328**	1	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE (RADIATOR)	
	6	2	**5P-4868**	4	CLAMP-HOSE	
E	7	2	**5P-1262**		HOSE (11-CM EACH) (RADIATOR)	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	2	**005-4273**	1	CONNECTOR-HOSE	
	12	1	**186-0712**	4	PLATE	
Y	13	2	**228-2674**	1	RADIATOR GP	542
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9899**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	23	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	1	**2S-7010**	2	CLIP	
	25	1	**3D-2824**	1	SEAL-O-RING	
	26	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	2	**5P-0598**	4	CLAMP-HOSE	
	29	1	**5P-1075**	42	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	1	**5P-9299**	1	CLIP	
	31	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	46	1,2	**8T-4896**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-6442**		HOSE (102-CM) (RADIATOR)	
E	51	2	**5P-1251**		HOSE (131-CM) (RADIATOR)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



REAR VIEW OF ENGINE

GRAPHIC #1 g01455670



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #2 **<END>** g01455671

COOLING SYSTEM

256-6165 RADIATOR GP

S/N: JRE8740-UP

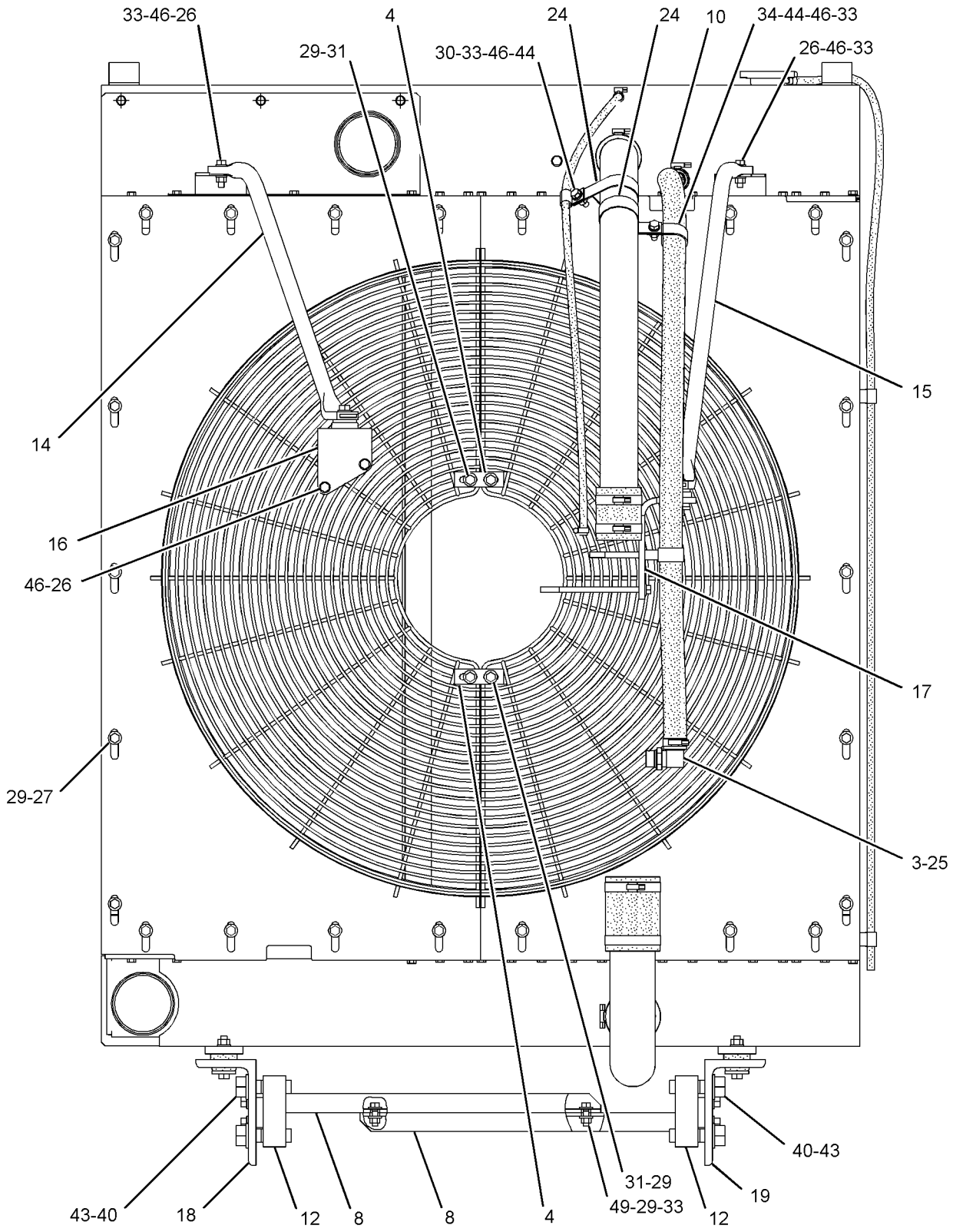
FOR USE WITH SINGLE TURBO, AIR LINES, FAN DRIVE, ADAPTER GROUPS, WIDE FRONT SUPPORT, 40-INCH FAN, FORWARD OR REAR EXHAUST AN ATTACHMENT

SMCS-1353 **i03641550**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**1P-4278**	2	CLAMP-HOSE	
	2	2	**1P-9328**	1	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE (RADIATOR)	
	6	2	**5P-4868**	4	CLAMP-HOSE	
E	7	2	**5P-1262**		HOSE (11-CM EACH) (RADIATOR)	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	2	**005-4273**	1	CONNECTOR-HOSE	
	12	1	**186-0712**	4	PLATE	
CY	13	2	**297-4283**	1	RADIATOR GP	581
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9899**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	23	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	1	**2S-7010**	2	CLIP	
	25	1	**3D-2824**	1	SEAL-O-RING	
	26	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	2	**5P-0598**	4	CLAMP-HOSE	
	29	1	**5P-1075**	42	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	1	**5P-9299**	1	CLIP	
	31	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	46	1,2	**8T-4896**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-6442**		HOSE (102-CM) (RADIATOR)	
E	51	2	**5P-1251**		HOSE (131-CM) (RADIATOR)	

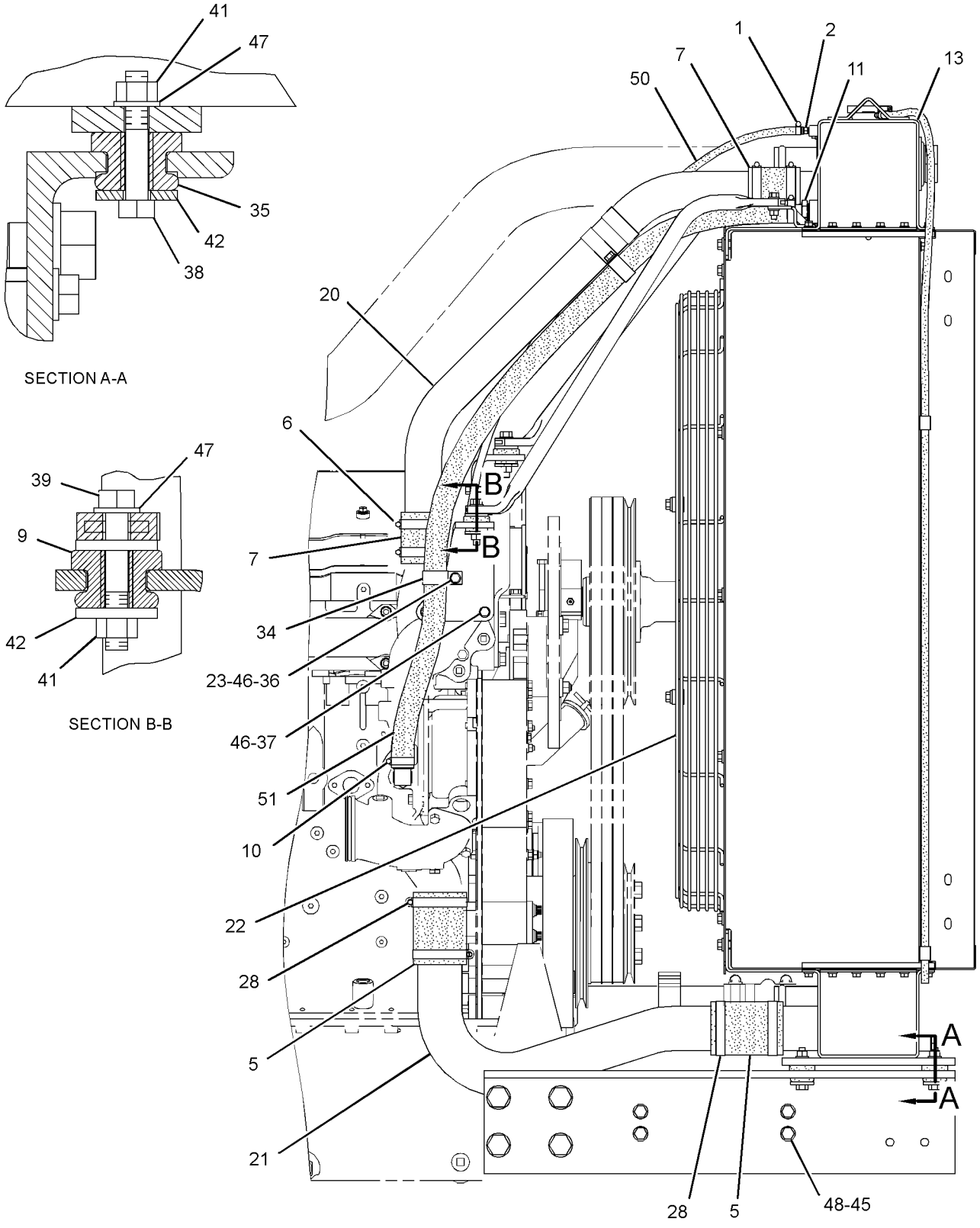
256-6165 **RADIATOR GP** *(contd.)* **i03641550**

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



REAR VIEW OF ENGINE

GRAPHIC #1 g01640233



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #2 **<END>** g01640455

COOLING SYSTEM

296-9791 RADIATOR GP

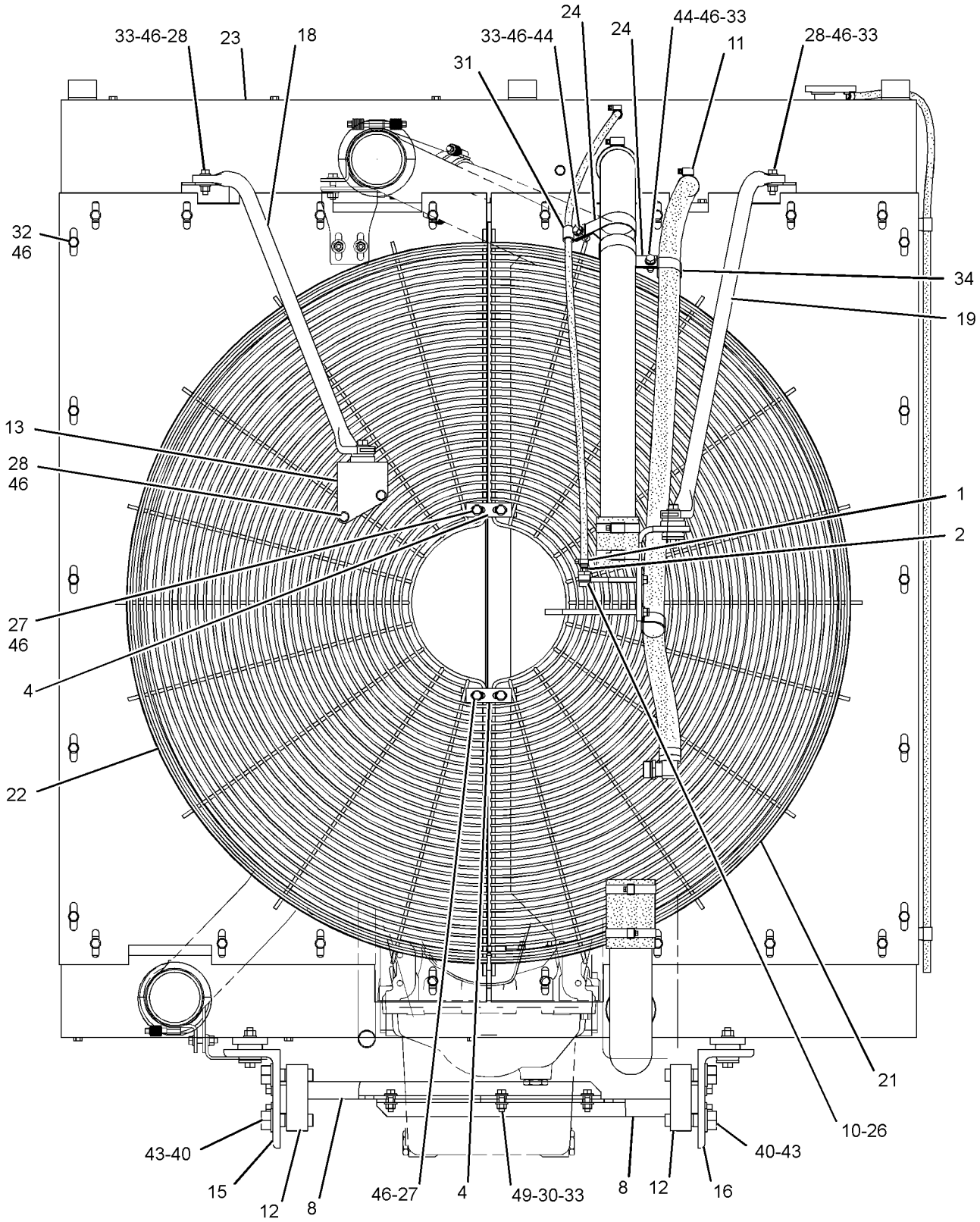
S/N: JRE1-5354
FOR USE WITH TWIN TURBOS, 48-INCH FAN
AN ATTACHMENT

SMCS-1353 **i02726473**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	1,2	**1P-9328**	2	FITTING	
	3	2	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE	
	6	2	**5P-4868**	4	CLAMP-HOSE	
	7	2	**6L-4854**	2	HOSE	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1	**8J-7844**	1	FITTING-ADAPTER	
	11	1,2	**8T-1117**	2	CLAMP-HOSE	
	12	1	**186-0712**	4	PLATE	
	13	1	**228-4374**	1	BRACKET	
	14	2	**228-4375**	1	BRACKET	
	15	1	**228-4376**	1	SUPPORT	
	16	1	**228-4377**	1	SUPPORT	
	17	2	**228-4379**	1	TUBE	
	18	1	**296-9792**	1	BRACE	
	19	1	**296-9793**	1	BRACE	
	20	2	**296-9794**	1	TUBE	
	21	1	**296-9795**	1	GUARD AS-FAN	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	22	1	**296-9796**	1	GUARD AS-FAN	
		1	**1F-0750**	4	NUT-WELD (3/8-16-THD)	
	23	1	**296-9800**	1	RADIATOR GP	
	24	1	**2S-7010**	2	CLIP	
	25	2	**3D-2824**	1	SEAL-O-RING	
	26	1	**3K-0360**	1	SEAL-O-RING	
	27	1	**4L-6454**	4	BOLT (3/8-16X1-IN)	
	28	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	29	2	**5P-0598**	4	CLAMP-HOSE	
	30	1	**5P-1075**	12	WASHER-HARD (10.2X22.5X3-MM THK)	
	31	1	**5P-9299**	1	CLIP	
	32	1	**5S-7379**	26	BOLT (3/8-16X0.875-IN)	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	2	**7X-0291**	1	BOLT (3/8-16X3.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	46	1,2	**8T-4896**	43	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-6442**		HOSE (110-CM)	
E	51	2	**5P-1251**		HOSE (140-CM)	

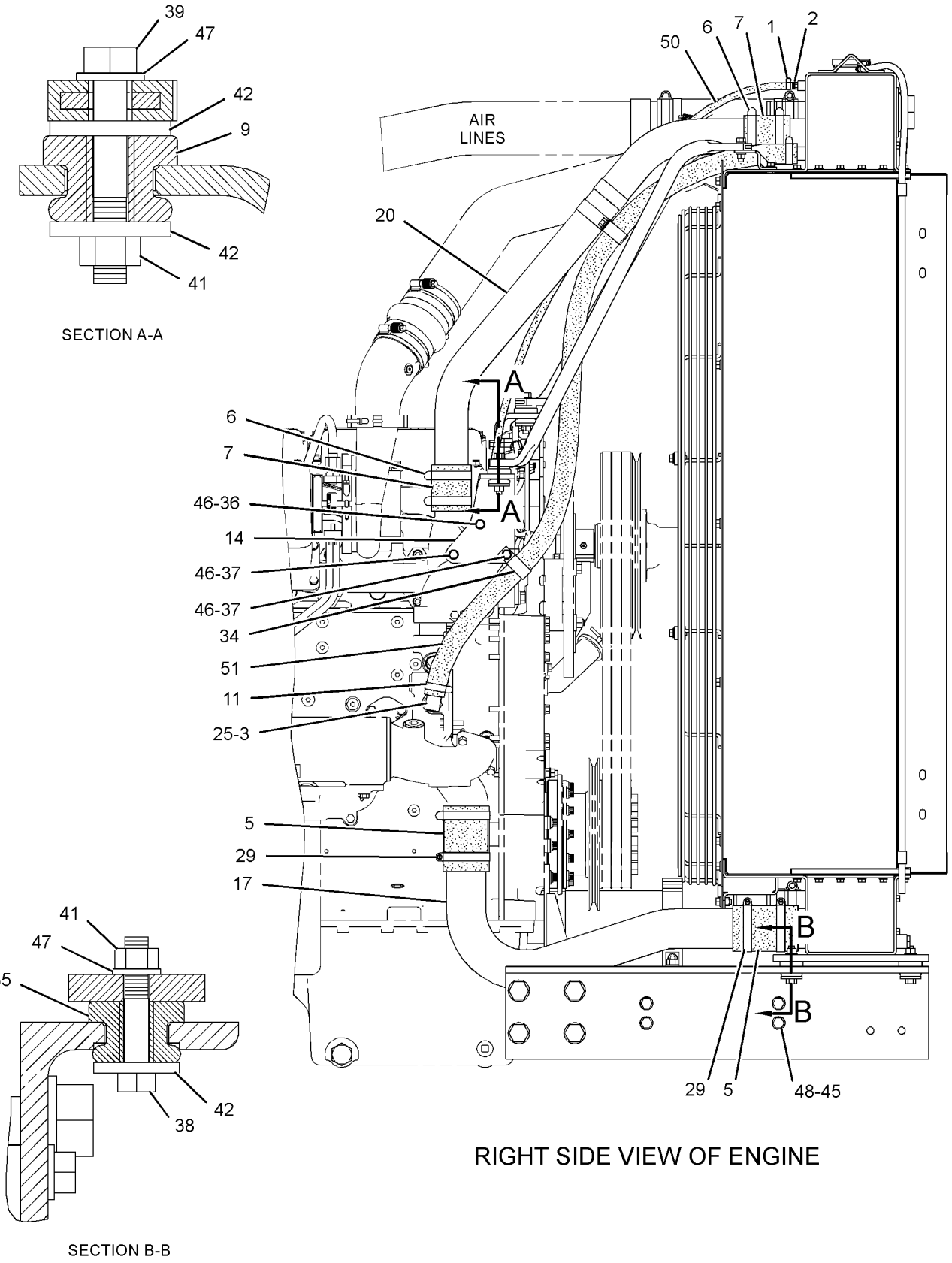
E-ORDER BY THE CENTIMETER

296-9791 **RADIATOR GP** *(contd.)* **i02726473**



REAR VIEW OF ENGINE

GRAPHIC #1 g01369618



GRAPHIC #2 **<END>** g01369619

COOLING SYSTEM

296-9791 RADIATOR GP

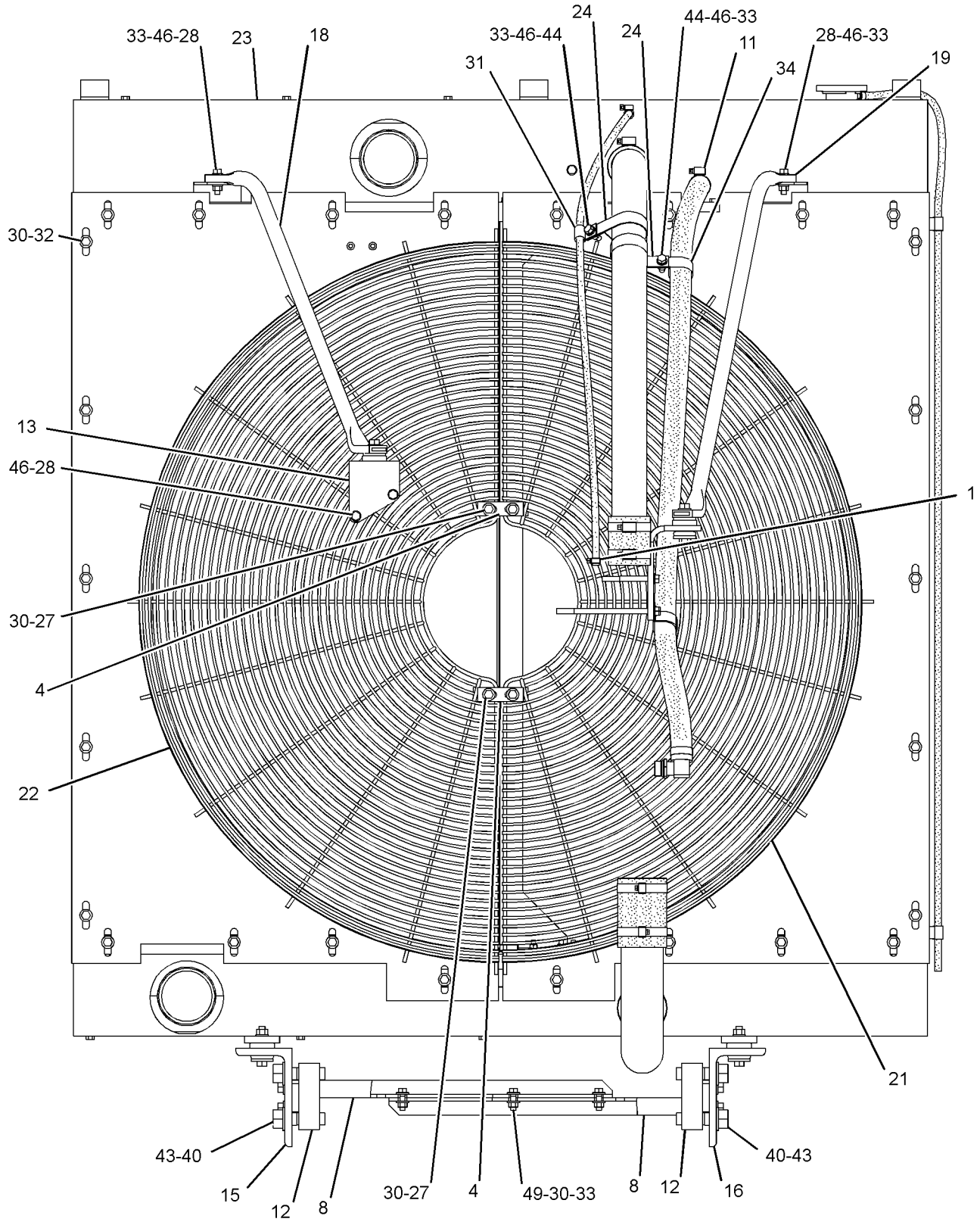
S/N: JRE5355-UP
FOR USE WITH TWIN TURBOS, 48-INCH FAN
AN ATTACHMENT

SMCS-1353 **i02958644**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
C	2	2	**1P-9328**	1	FITTING	
	3	2	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE	
	6	2	**5P-4868**	4	CLAMP-HOSE	
	7	2	**6L-4854**	2	HOSE	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	11	1,2	**8T-1117**	2	CLAMP-HOSE	
	12	1	**186-0712**	4	PLATE	
	13	1	**228-4374**	1	BRACKET	
	14	2	**228-4375**	1	BRACKET	
	15	1	**228-4376**	1	SUPPORT	
	16	1	**228-4377**	1	SUPPORT	
	17	2	**228-4379**	1	TUBE	
	18	1	**296-9792**	1	BRACE	
	19	1	**296-9793**	1	BRACE	
	20	2	**296-9794**	1	TUBE	
	21	1	**296-9795**	1	GUARD AS-FAN	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	22	1	**296-9796**	1	GUARD AS-FAN	
		1	**1F-0750**	4	NUT-WELD (3/8-16-THD)	
	23	1	**296-9800**	1	RADIATOR GP	
	24	1	**2S-7010**	2	CLIP	
	25	2	**3D-2824**	1	SEAL-O-RING	
	27	1	**4L-6454**	4	BOLT (3/8-16X1-IN)	
	28	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	29	2	**5P-0598**	4	CLAMP-HOSE	
C	30	1	**5P-1075**	42	WASHER-HARD (10.2X22.5X3-MM THK)	
	31	1	**5P-9299**	1	CLIP	
	32	1	**5S-7379**	26	BOLT (3/8-16X0.875-IN)	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	2	**7X-0291**	1	BOLT (3/8-16X3.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
C	46	1,2	**8T-4896**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-6442**		HOSE (110-CM)	
E	51	2	**5P-1251**		HOSE (140-CM)	

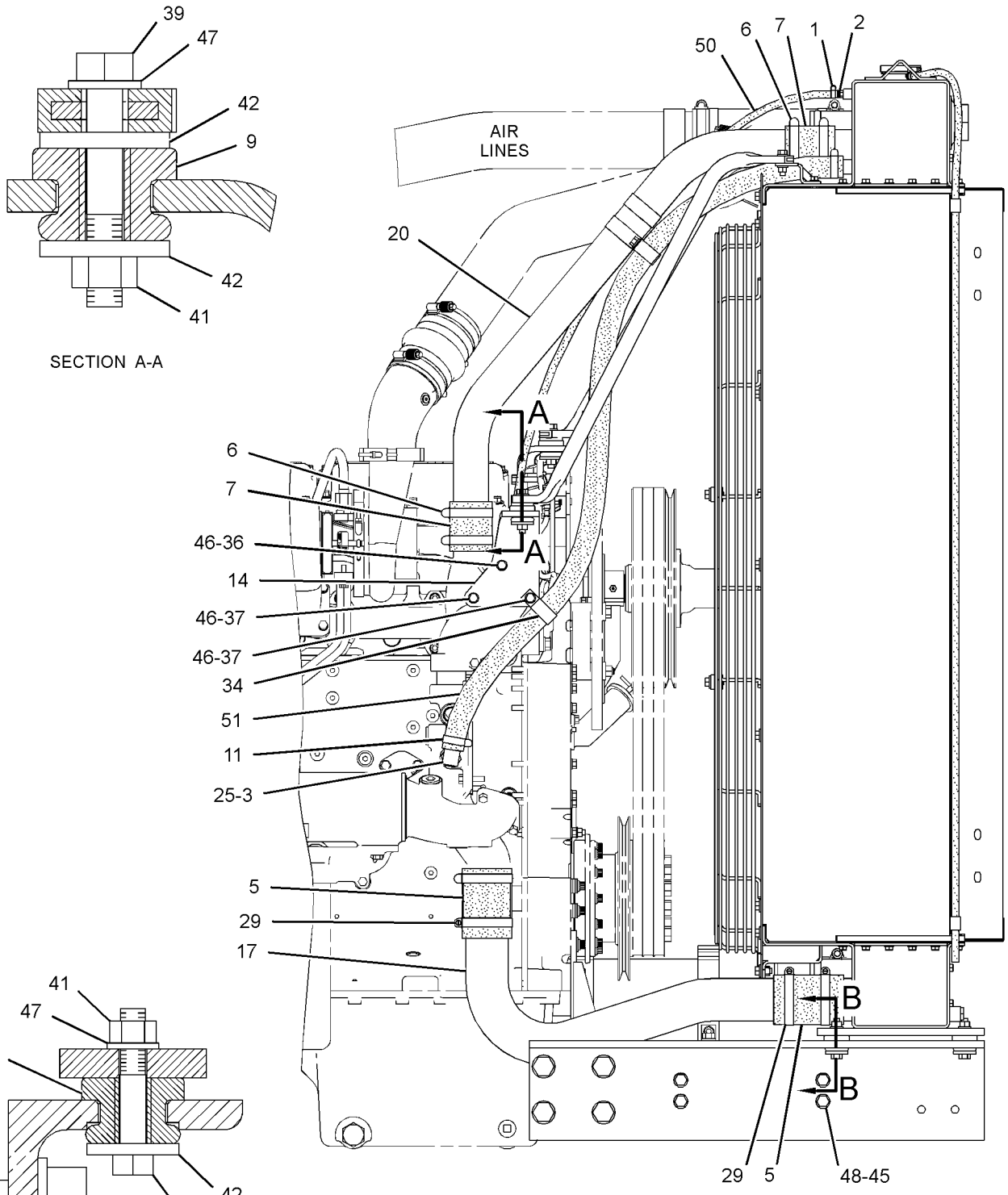
C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER

296-9791 **RADIATOR GP** *(contd.)* **i02958644**



REAR VIEW OF ENGINE

GRAPHIC #1 g01511357



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #2 **<END>** g01511358

COOLING SYSTEM

297-4283 RADIATOR GP

PART OF 230-3807, 230-3808, 256-6164, 256-6165, 297-4284, 297-4285 RADIATOR GP

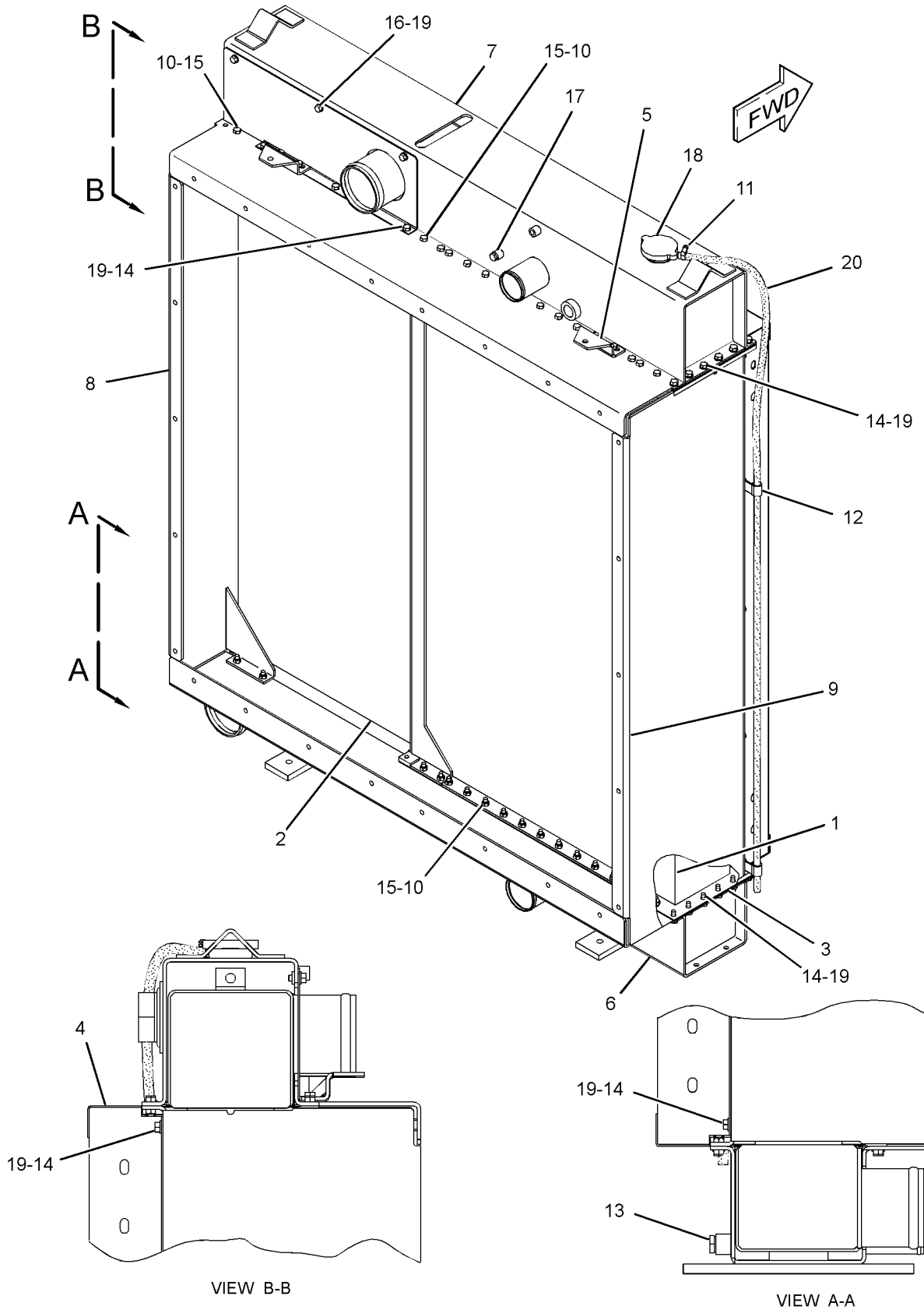
AN ATTACHMENT

SMCS-1353 **i02939259**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**297-4282**	1	CORE AS-RADIATOR	
	2	1	**277-6221**	1	AFTERCOOLER AS	
	3	1	**277-6222**	2	GASKET	
	4	1	**277-6223**	1	GUARD AS-RADIATOR	
	5	1	**277-6224**	2	BRACKET AS	
	6	1	**277-6228**	1	TANK AS-RADIATOR BOTTOM	
	7	1	**277-6229**	1	TANK AS-RADIATOR TOP	
	8	1	**277-6230**	1	CHANNEL AS-RADIATOR	
	9	1	**277-6231**	1	CHANNEL AS-RADIATOR	
	10	1	**031-4155**	71	LOCKNUT (5/16-18-THD)	
	11	1	**1P-4278**	1	CLAMP-HOSE	
	12	1	**4D-9517**	2	CLIP	
	13	1	**4J-4382**	1	PLUG-PIPE	
	14	1	**4M-0061**	34	BOLT (5/16-18X0.75-IN)	
	15	1	**4M-6425**	71	BOLT (5/16-18X1-IN)	
	16	1	**5K-0906**	3	BOLT (5/16-18X0.625-IN)	
	17	1	**5M-6213**	1	PLUG-PIPE	
	18	1	**6L-8617**	1	CAP-PRESSURE (7-PSI) (RADIATOR)	
	19	1	**8T-4224**	37	WASHER-HARD (8.8X16X2-MM THK)	
D	20	1	**5P-5991**		HOSE (2-M)	

D-ORDER BY THE METER

297-4283 RADIATOR GP *(contd.)* i02939259



GRAPHIC #1 **<END>** g01331548

COOLING SYSTEM

297-4284 RADIATOR GP

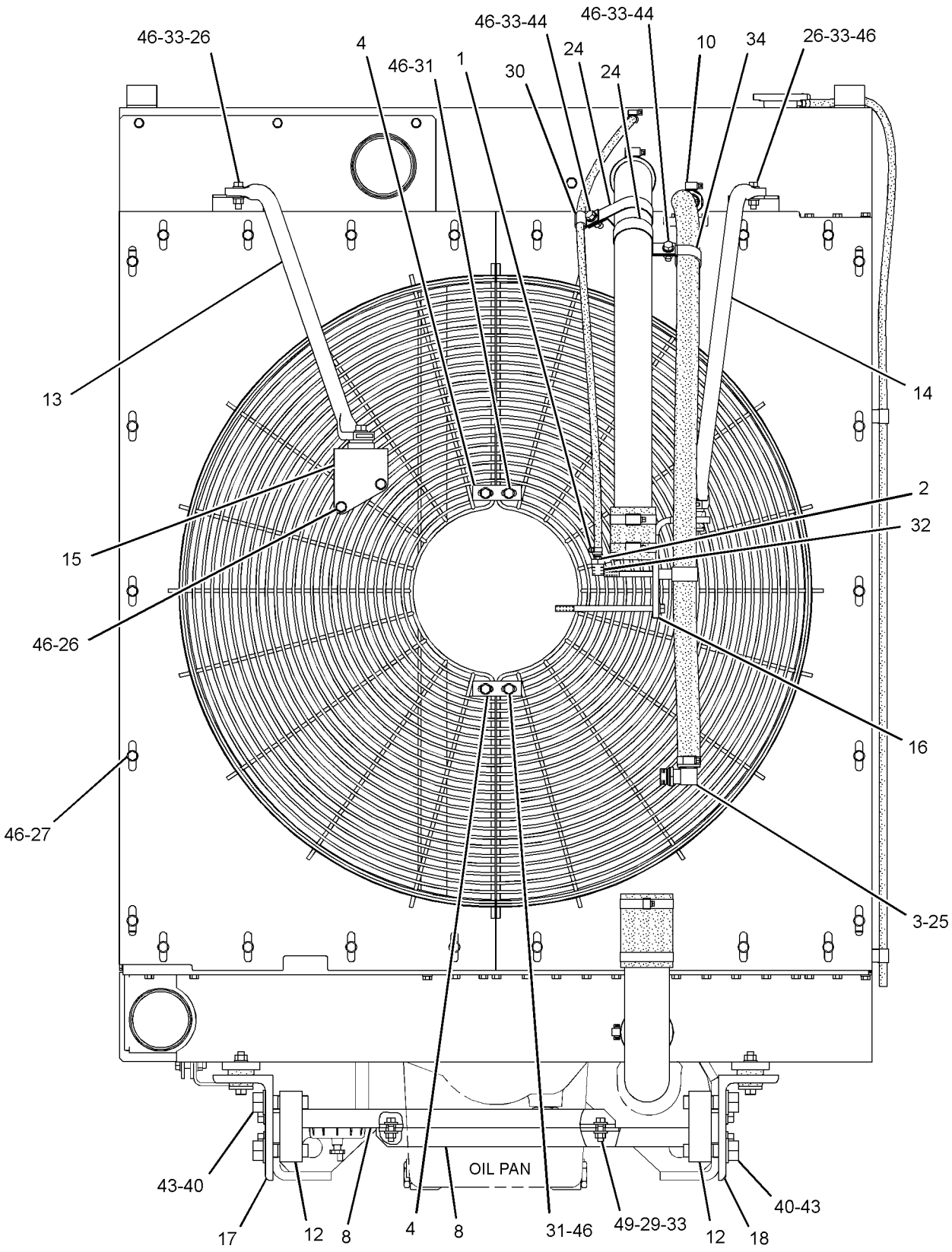
S/N: JRE1-5354
AN ATTACHMENT

SMCS-1353 **i03206682**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	1,2	**1P-9328**	2	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE	
	6	2	**5P-4868**	4	CLAMP-HOSE	
	7	2	**6L-4854**	2	HOSE	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	2	**005-4273**	1	CONNECTOR-HOSE	
	12	1	**186-0712**	4	PLATE	
	13	1	**228-4370**	1	BRACE	
	14	1	**228-4371**	1	BRACE	
	15	1	**228-4374**	1	BRACKET	
	16	1	**228-4375**	1	BRACKET	
	17	1	**228-4376**	1	SUPPORT	
	18	1	**228-4377**	1	SUPPORT	
	19	2	**228-4378**	1	TUBE	
	20	2	**228-4379**	1	TUBE	
	21	2	**228-9899**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
Y	22	2	**297-4283**	1	RADIATOR GP	581
	23	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	1	**2S-7010**	2	CLIP	
	25	1	**3D-2824**	1	SEAL-O-RING	
	26	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	2	**5P-0598**	4	CLAMP-HOSE	
	29	1	**5P-1075**	12	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	1	**5P-9299**	1	CLIP	
	31	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	32	1	**6B-5072**	1	BUSHING-REDUCING	
	33	1	**6V-8801**	10	NUT (3/8-16-THD)	
	34	1,2	**7D-7233**	2	CLIP	
	35	2	**7T-8332**	4	MOUNTING	
	36	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	37	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	38	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	39	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	40	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	41	2	**7X-0447**	6	NUT (7/16-14-THD)	
	42	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	43	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	44	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	45	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	46	1,2	**8T-4896**	43	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	47	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	48	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	49	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	50	2	**5P-6442**		HOSE (102-CM)	
E	51	2	**5P-1251**		HOSE (131-CM)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

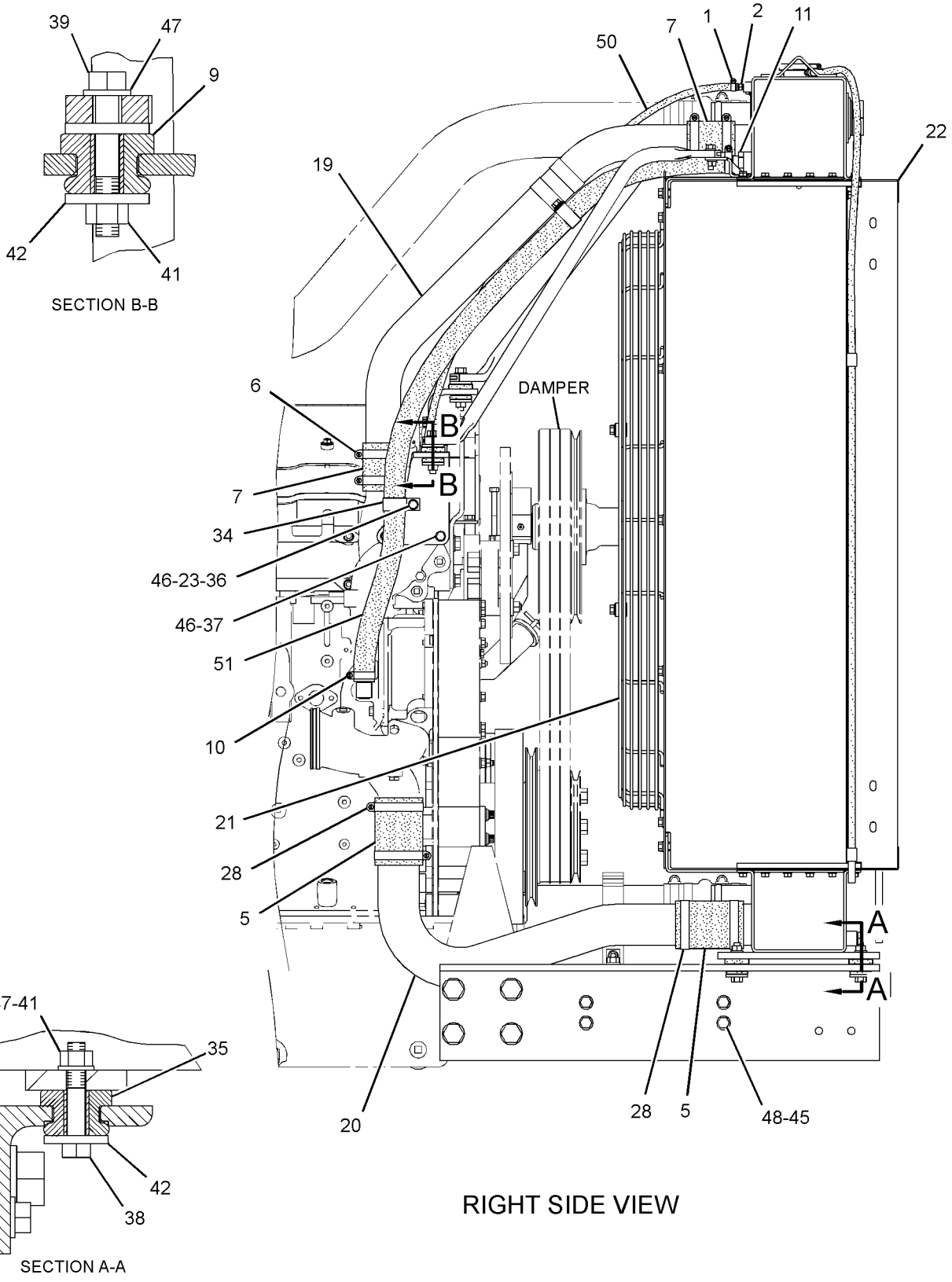
297-4284 **RADIATOR GP** *(contd.)* **i03206682**



REAR VIEW

GRAPHIC #1 g01327086

297-4284 **RADIATOR GP** *(contd.)* **i03206682**



GRAPHIC #2 **<END>** g01327088

COOLING SYSTEM

297-4284 RADIATOR GP

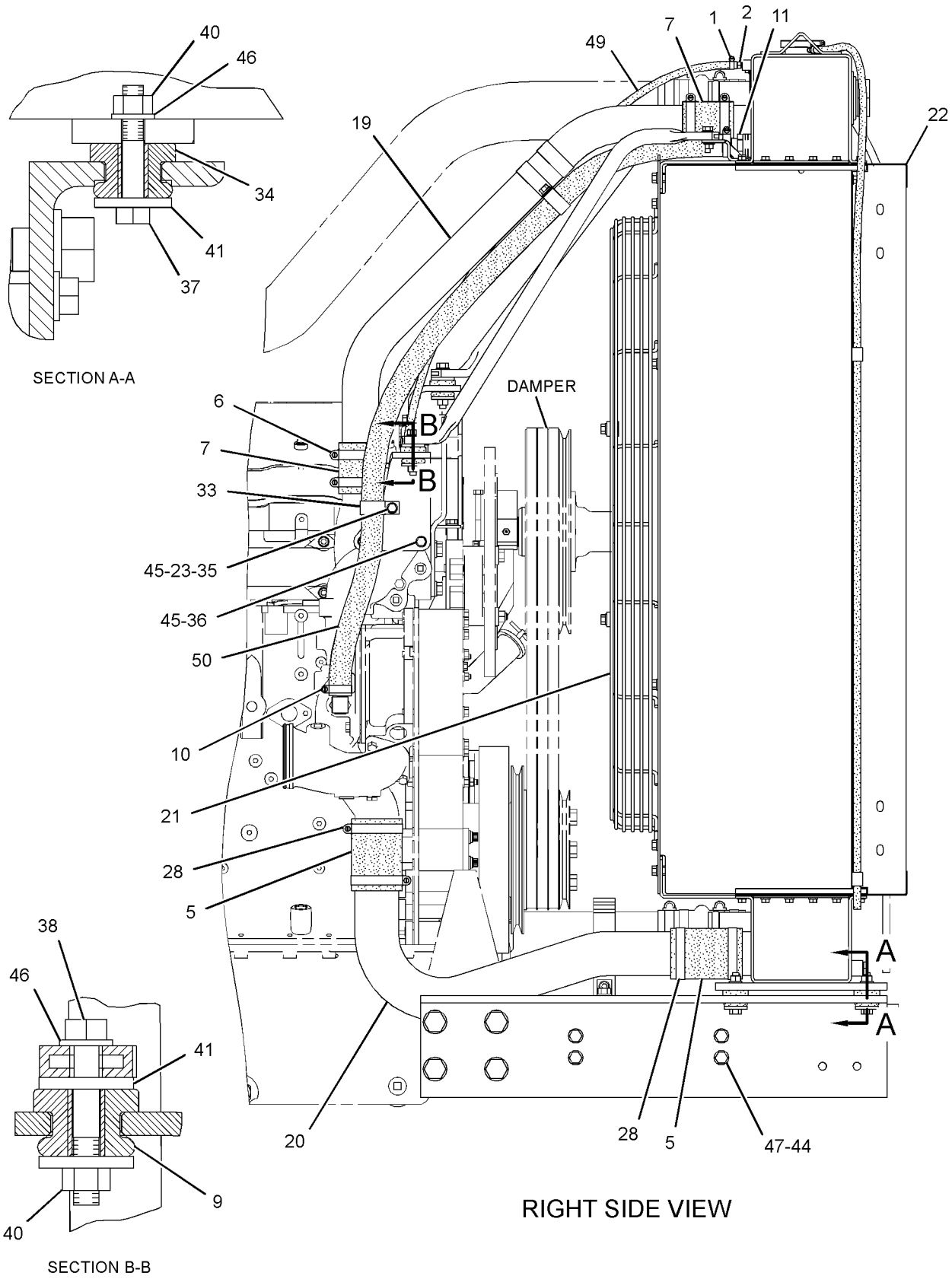
S/N: JRE5355-UP

AN ATTACHMENT

SMCS-1353 **i03206683**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	1	**1P-9328**	1	FITTING	
	3	2	**3E-4041**	1	ELBOW	
	4	2	**4L-5757**	2	STRAP	
	5	1	**4V-1878**	2	HOSE	
	6	1	**5P-4868**	4	CLAMP-HOSE	
	7	1	**6L-4854**	2	HOSE	
	8	2	**7N-4600**	2	BRACE AS	
	9	1	**8D-3786**	2	MOUNTING	
	10	1,2	**8T-1117**	2	CLAMP-HOSE	
	11	1	**005-4273**	1	CONNECTOR-HOSE	
	12	2	**186-0712**	4	PLATE	
	13	2	**228-4370**	1	BRACE	
	14	2	**228-4371**	1	BRACE	
	15	2	**228-4374**	1	BRACKET	
	16	2	**228-4375**	1	BRACKET	
	17	2	**228-4376**	1	SUPPORT	
	18	2	**228-4377**	1	SUPPORT	
	19	1	**228-4378**	1	TUBE	
	20	1	**228-4379**	1	TUBE	
	21	1	**228-9899**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
Y	22	1	**297-4283**	1	RADIATOR GP	581
	23	1	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	24	2	**2S-7010**	2	CLIP	
	25	2	**3D-2824**	1	SEAL-O-RING	
	26	2	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	27	2	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	28	1	**5P-0598**	4	CLAMP-HOSE	
	29	2	**5P-1075**	42	WASHER-HARD (10.2X22.5X3-MM THK)	
	30	2	**5P-9299**	1	CLIP	
	31	2	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	32	2	**6V-8801**	10	NUT (3/8-16-THD)	
	33	1,2	**7D-7233**	2	CLIP	
	34	1	**7T-8332**	4	MOUNTING	
	35	1	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	36	1	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	37	1	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	38	1	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	39	2	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	40	1	**7X-0447**	6	NUT (7/16-14-THD)	
	41	1	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	42	2	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	43	2	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	44	1	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	45	1,2	**8T-4896**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	46	1	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	47	1	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	48	2	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	49	1	**5P-6442**		HOSE (102-CM)	
E	50	1	**5P-1251**		HOSE (131-CM)	

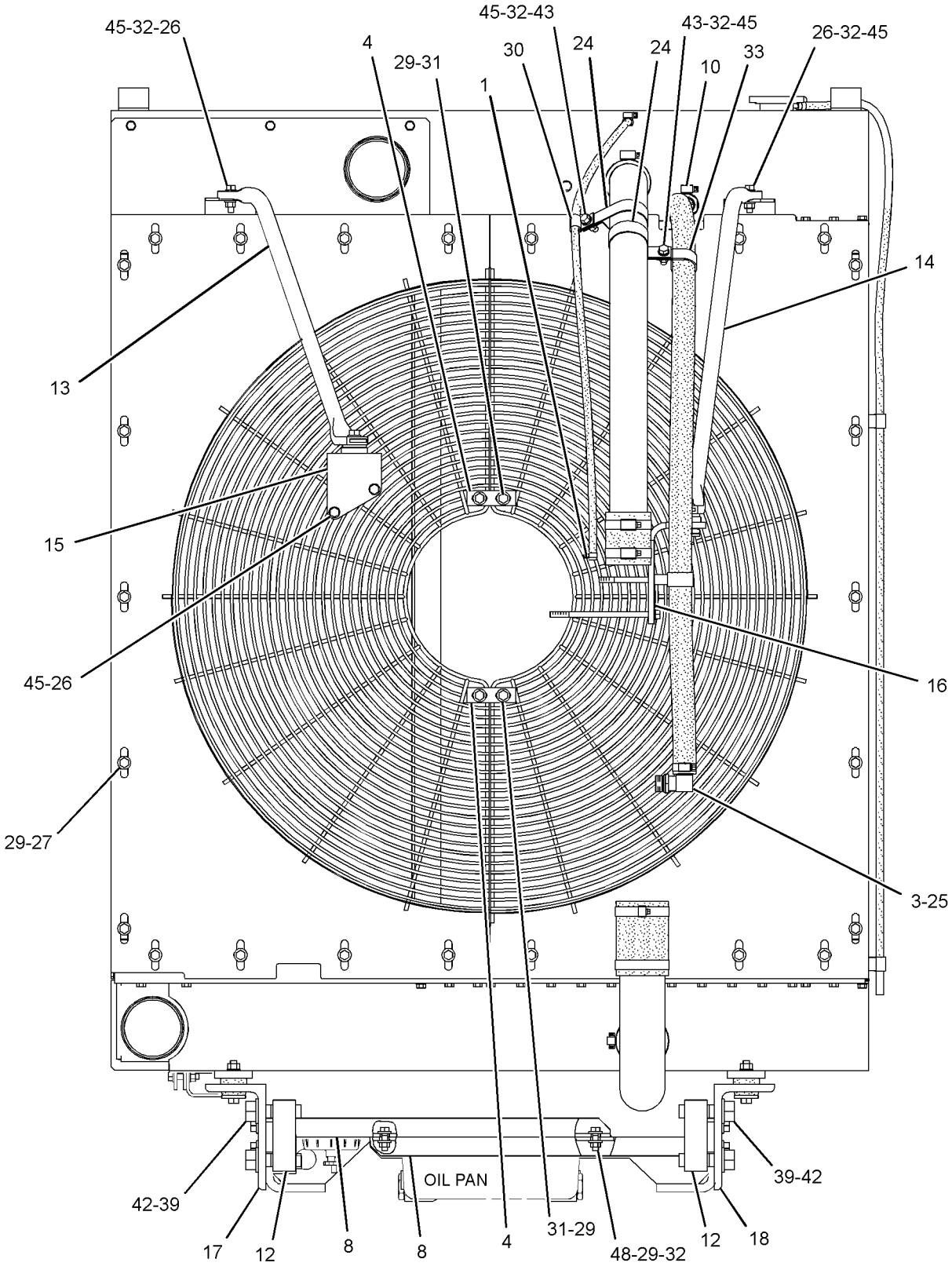
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

g01456116

297-4284 **RADIATOR GP** *(contd.)* **i03206683**



REAR VIEW

GRAPHIC #2 **<END>** g01456118

COOLING SYSTEM

297-4285 RADIATOR GP

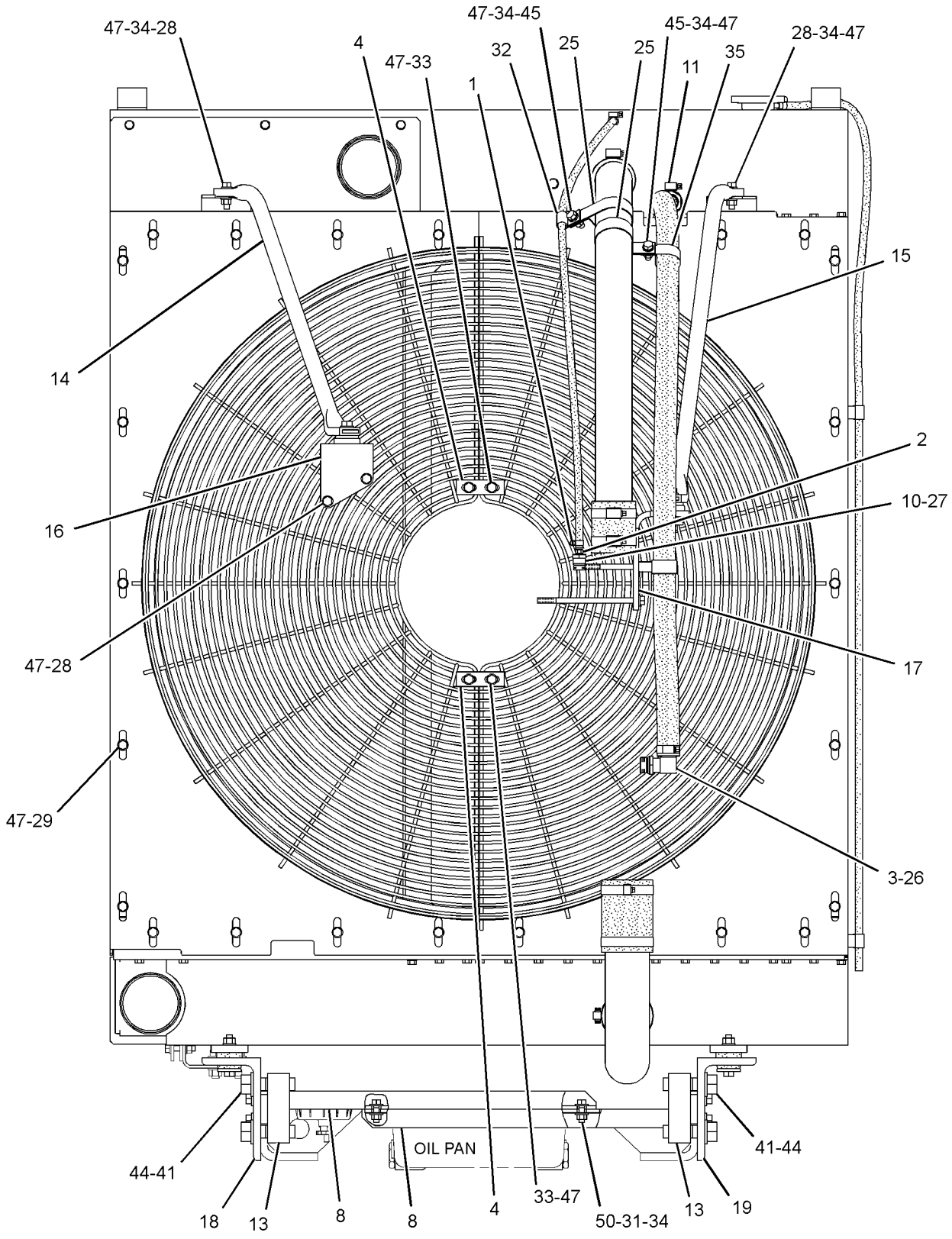
S/N: JRE1-5354
FOR USE WITH 43-IN SPIDER FAN
AN ATTACHMENT

SMCS-1353 **i02640417**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
	2	1,2	**1P-9328**	2	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE	
	6	2	**5P-4868**	4	CLAMP-HOSE	
	7	2	**6L-4854**	2	HOSE	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	10	1	**8J-7844**	1	FITTING-ADAPTER	
	11	1,2	**8T-1117**	2	CLAMP-HOSE	
	12	2	**005-4273**	1	CONNECTOR-HOSE	
	13	1	**186-0712**	4	PLATE	
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
Y	23	2	**297-4283**	1	RADIATOR GP	581
	24	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	25	1	**2S-7010**	2	CLIP	
	26	1	**3D-2824**	1	SEAL-O-RING	
	27	1	**3K-0360**	1	SEAL-O-RING	
	28	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	29	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	30	2	**5P-0598**	4	CLAMP-HOSE	
	31	1	**5P-1075**	12	WASHER-HARD (10.2X22.5X3-MM THK)	
	32	1	**5P-9299**	1	CLIP	
	33	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	34	1	**6V-8801**	10	NUT (3/8-16-THD)	
	35	1,2	**7D-7233**	2	CLIP	
	36	2	**7T-8332**	4	MOUNTING	
	37	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	38	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	39	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	40	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	41	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	42	2	**7X-0447**	6	NUT (7/16-14-THD)	
	43	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	44	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	45	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	46	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	47	1,2	**8T-4896**	43	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	48	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	49	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	50	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	51	2	**5P-1251**		HOSE (131-CM)	
E	52	2	**5P-6442**		HOSE (102-CM)	

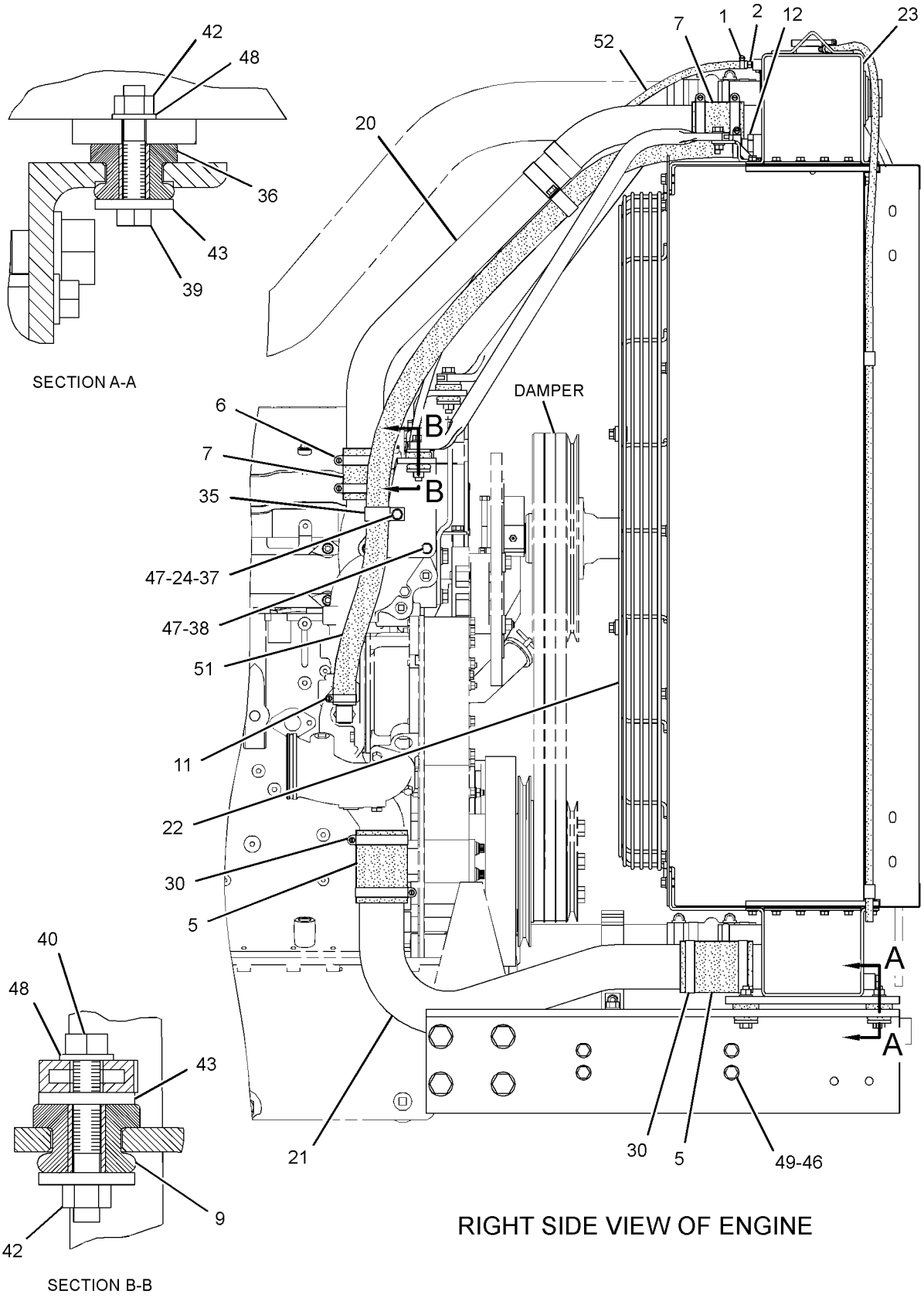
297-4285 **RADIATOR GP** *(contd.)* **i02640417**

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



REAR VIEW

GRAPHIC #1 g01327353



GRAPHIC #2 **<END>** g01327354

COOLING SYSTEM

297-4285 RADIATOR GP

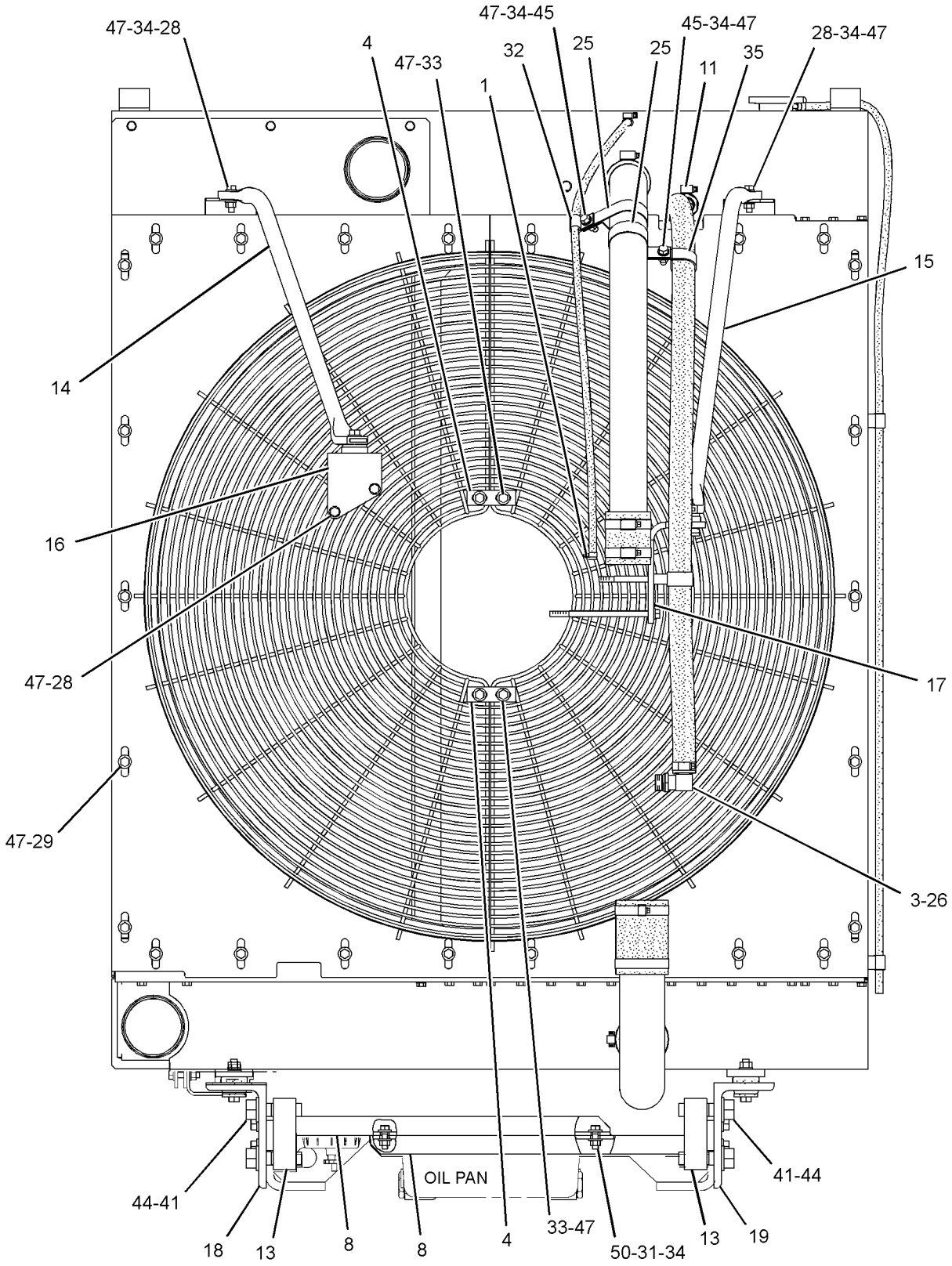
S/N: JRE5355-UP
FOR USE WITH 43-IN SPIDER FAN
AN ATTACHMENT

SMCS-1353 **i02888450**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**1P-4278**	2	CLAMP-HOSE	
C	2	2	**1P-9328**	1	FITTING	
	3	1	**3E-4041**	1	ELBOW	
	4	1	**4L-5757**	2	STRAP	
	5	2	**4V-1878**	2	HOSE	
	6	2	**5P-4868**	4	CLAMP-HOSE	
	7	2	**6L-4854**	2	HOSE	
	8	1	**7N-4600**	2	BRACE AS	
	9	2	**8D-3786**	2	MOUNTING	
	11	1,2	**8T-1117**	2	CLAMP-HOSE	
	12	2	**005-4273**	1	CONNECTOR-HOSE	
	13	1	**186-0712**	4	PLATE	
	14	1	**228-4370**	1	BRACE	
	15	1	**228-4371**	1	BRACE	
	16	1	**228-4374**	1	BRACKET	
	17	1	**228-4375**	1	BRACKET	
	18	1	**228-4376**	1	SUPPORT	
	19	1	**228-4377**	1	SUPPORT	
	20	2	**228-4378**	1	TUBE	
	21	2	**228-4379**	1	TUBE	
	22	2	**228-9900**	2	GUARD AS-FAN	
					(EACH INCLUDES)	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
Y	23	2	**297-4283**	1	RADIATOR GP	581
	24	2	**164-1404**	1	SPACER (10.67X16.95X23-MM THK)	
	25	1	**2S-7010**	2	CLIP	
	26	1	**3D-2824**	1	SEAL-O-RING	
	28	1	**4L-9337**	4	BOLT (3/8-16X1.5-IN)	
	29	1	**5M-3062**	26	BOLT (3/8-16X0.75-IN)	
	30	2	**5P-0598**	4	CLAMP-HOSE	
C	31	1	**5P-1075**	42	WASHER-HARD (10.2X22.5X3-MM THK)	
	32	1	**5P-9299**	1	CLIP	
	33	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	34	1	**6V-8801**	10	NUT (3/8-16-THD)	
	35	1,2	**7D-7233**	2	CLIP	
	36	2	**7T-8332**	4	MOUNTING	
	37	2	**7X-0293**	1	BOLT (3/8-16X4.75-IN)	
	38	2	**7X-0301**	2	BOLT (3/8-16X7-IN)	
	39	2	**7X-0312**	4	BOLT (7/16-14X2.5-IN)	
	40	2	**7X-0313**	2	BOLT (7/16-14X2.75-IN)	
	41	1	**7X-0384**	8	BOLT (7/8-9X3-IN)	
	42	2	**7X-0447**	6	NUT (7/16-14-THD)	
	43	2	**7X-0618**	8	WASHER-HARD (13.5X40X5-MM THK)	
	44	1	**8C-6913**	8	WASHER-HARD (24X41.5X4-MM THK)	
	45	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	46	2	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
C	47	1,2	**8T-4896**	13	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	48	2	**8T-5360**	6	WASHER (12X22.5X2.5-MM THK)	
	49	2	**8T-8917**	8	BOLT (1/2-13X1.25-IN)	
	50	1	**9B-7237**	6	BOLT (3/8-16X1.25-IN)	
E	51	2	**5P-1251**		HOSE (131-CM)	
E	52	2	**5P-6442**		HOSE (102-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

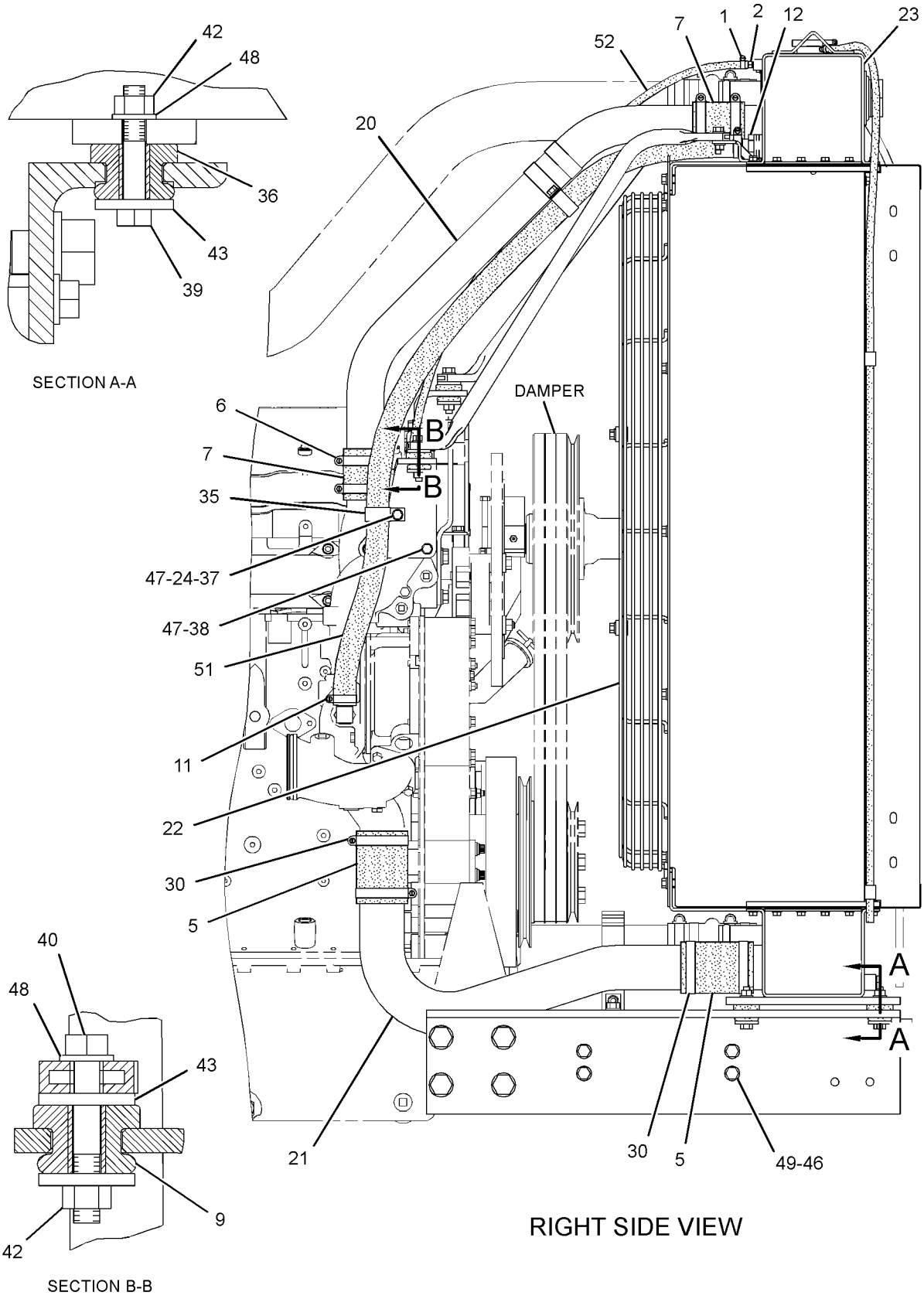
297-4285 **RADIATOR GP** *(contd.)* **i02888450**



REAR VIEW

GRAPHIC #1 g01455765

297-4285 **RADIATOR GP** *(contd.)* **i02888450**



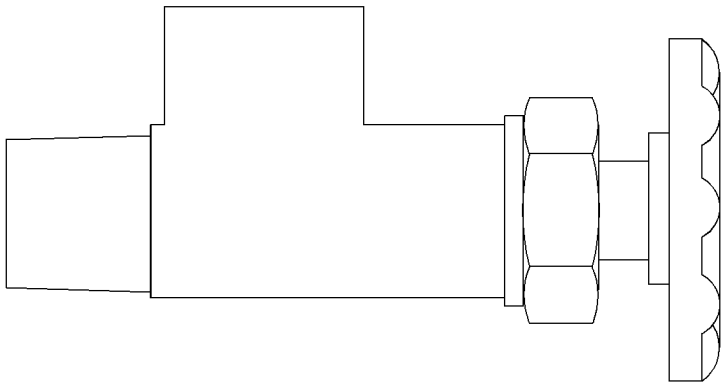
GRAPHIC #2 **<END>** g01455788

9N-3666 VALVE-MANUAL

PART OF 255-4652, 307-2575 COOLANT CONDITIONER GP
AN ATTACHMENT

SMCS-1329, 1380 **i02572873**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g01289051

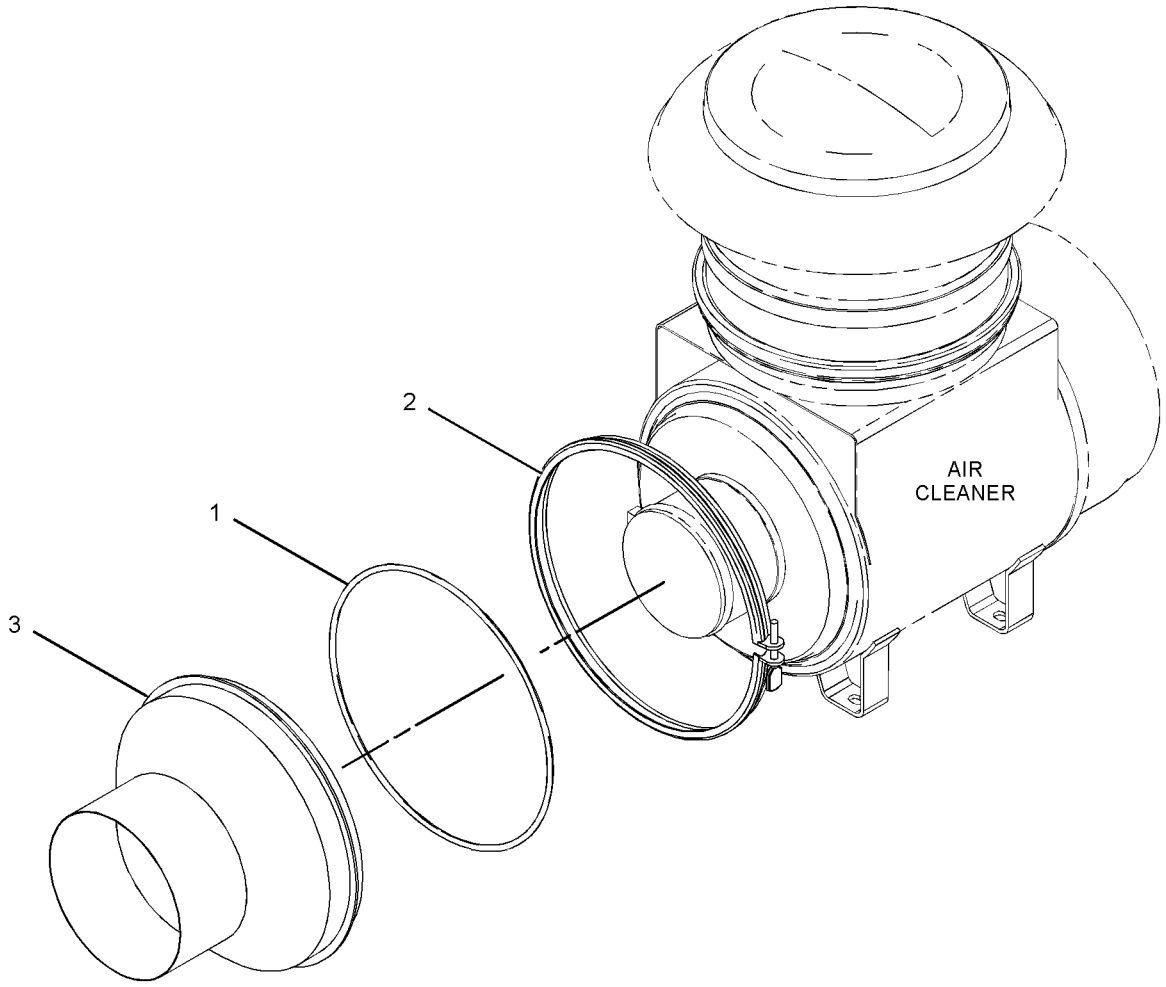
AIR INLET AND EXHAUST SYSTEM

289-2895 ADAPTER GP-AIR CLEANER

AN ATTACHMENT

SMCS-1051 **i02493553**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1M-3419**	1	SEAL-O-RING	
	2	1	**8S-6824**	1	CLAMP AS	
	3	1	**266-2993**	1	ADAPTER-EXPANSION	



GRAPHIC #1 **<END>** g01259319

AIR INLET AND EXHAUST SYSTEM

2W-6183 AIR CLEANER GP

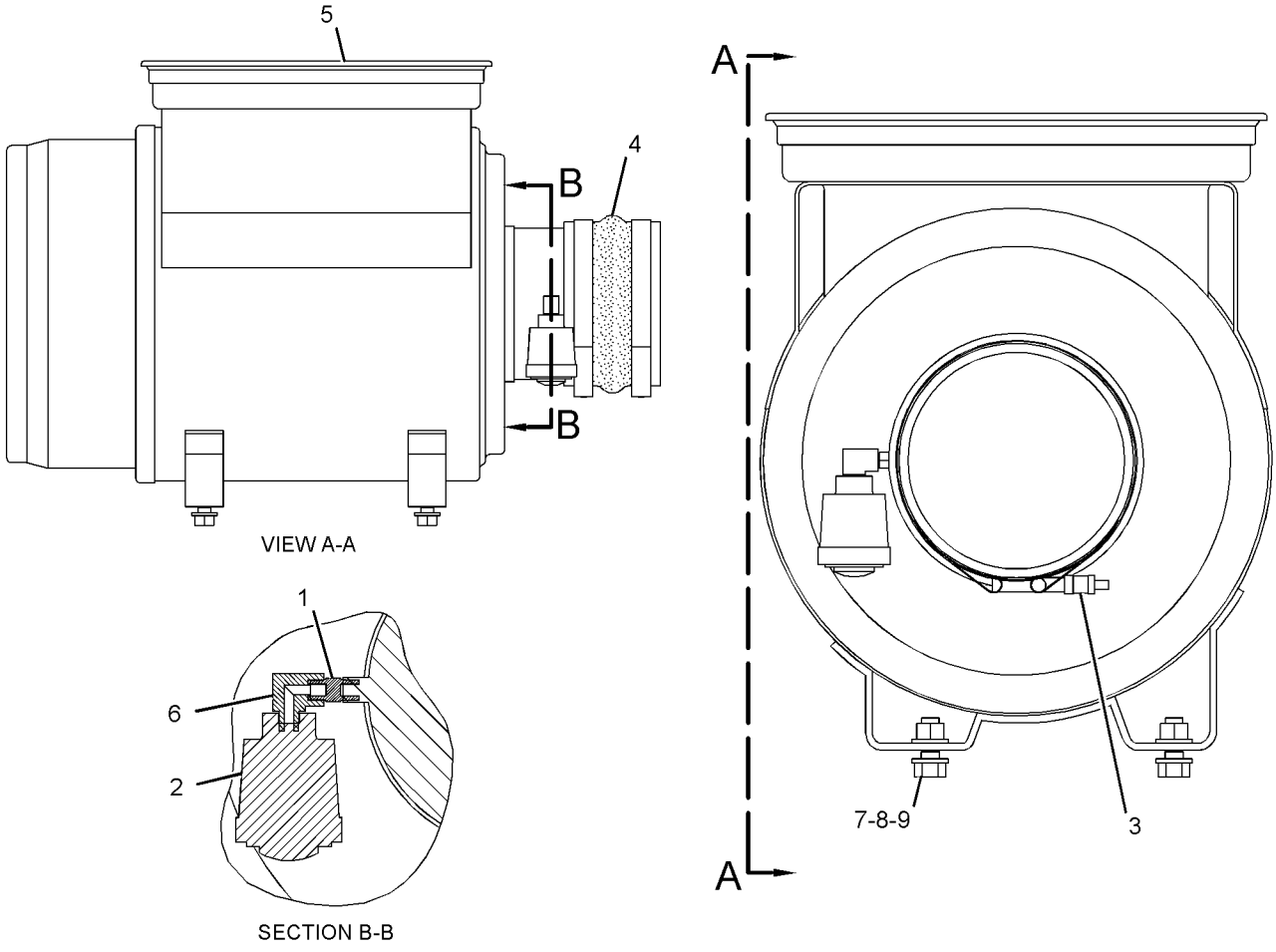
CANNOT BE USED WITH WATERCOOLED MANIFOLDS

AN ATTACHMENT

SMCS-1051, 1054 **i02772826**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-3233**	1	FITTING	
	2	1	**8N-2694**	1	INDICATOR GP-AIR FILTER CHANGE (ENGINE)	
BJ	3	1	**135-6261**	2	CLAMP	
					—OR—	
BN		1	**3E-7424**	2	CLAMP-HOSE	
BJ	4	1	**162-2177**	1	HOSE (HUMP)	
					—OR—	
BN		1	**242-7406**	1	HOSE (BELLOWS)	
CY	5	1	**163-0820**	1	AIR CLEANER GP	601
	6	1	**3B-6552**	1	ELBOW-PIPE	
	7	1	**6V-8188**	4	NUT (1/2-13-THD)	
	8	1	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	9	1	**8T-8917**	4	BOLT (1/2-13X1.25-IN)	

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
J-PARTS MARKED J ARE USED TOGETHER
N-PARTS MARKED N ARE USED TOGETHER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01219395

AIR INLET AND EXHAUST SYSTEM

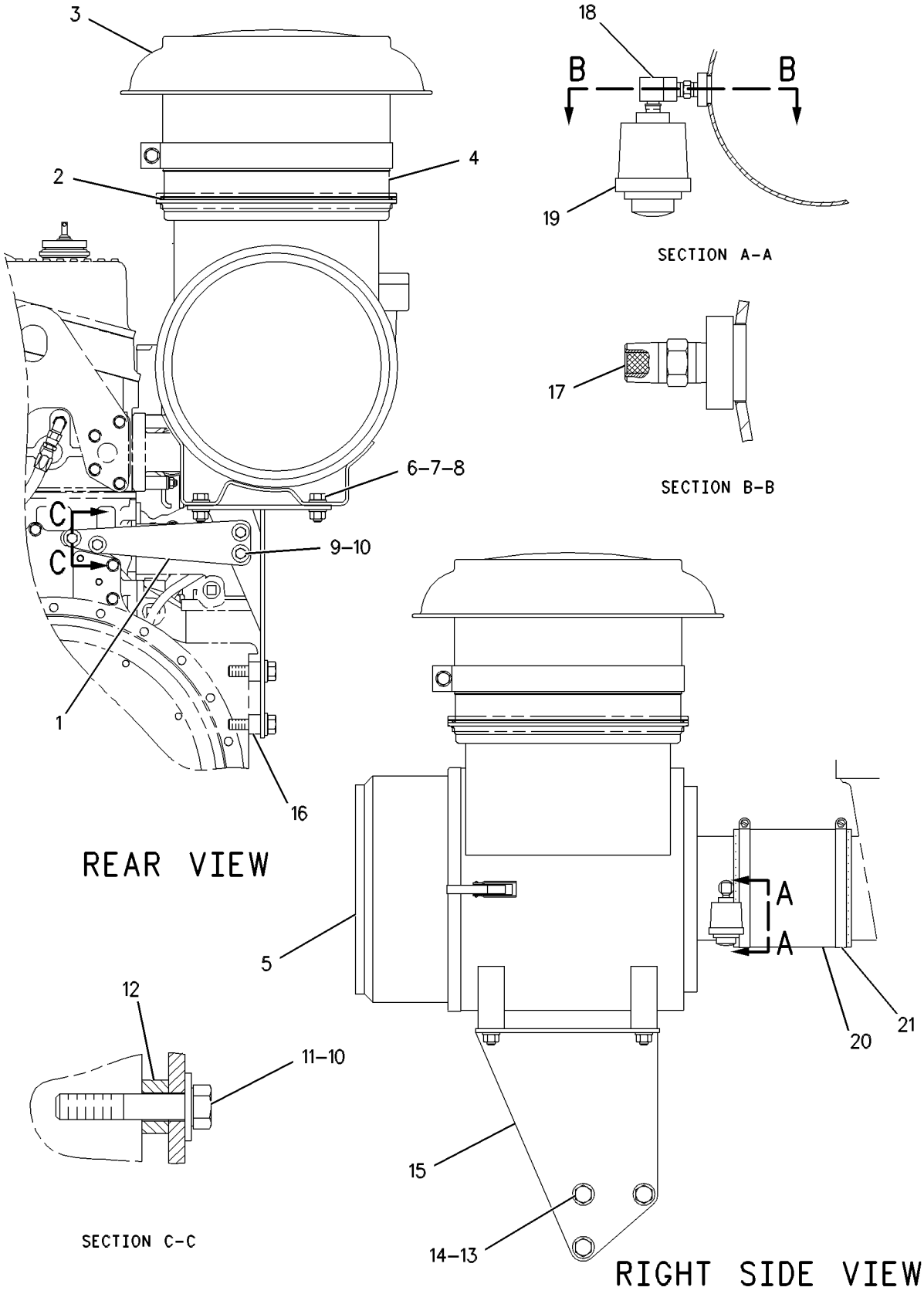
124-3643 AIR CLEANER GP

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-1051, 1054 **i02318115**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**126-2441**	1	BRACKET	
	2	1	**1M-3419**	1	SEAL-O-RING	
	3	1	**8S-6823**	1	HOOD AS	
	4	1	**113-3155**	1	BODY	
Y	5	1	**163-0820**	1	AIR CLEANER GP	601
	6	1	**8C-4436**	4	BOLT (1/2-13X1.375-IN)	
	7	1	**5P-1076**	8	WASHER-HARD (13.5X30X4-MM THK)	
	8	1	**6V-8188**	4	NUT (1/2-13-THD)	
	9	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	10	1	**7X-0772**	4	WASHER-HARD (10.2X25.5X2.5-MM THK)	
	11	1	**8T-2501**	2	BOLT (3/8-16X2-IN)	
	12	1	**091-0081**	2	SPACER (10.5X20X10-MM THK)	
	13	1	**7X-0347**	3	BOLT (5/8-11X2.25-IN)	
	14	1	**8T-4122**	3	WASHER-HARD (17X32X3.5-MM THK)	
	15	1	**124-0655**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	16	1	**2A-0047**	3	WASHER (0.656X1.125X0.688-IN THK)	
	17	1	**5L-3233**	1	FITTING	
	18	1	**3B-6552**	1	ELBOW-PIPE	
	19	1	**8N-2694**	1	INDICATOR GP-AIR FILTER CHANGE	
	20	1	**6V-6811**	1	HOSE	
	21	1	**5P-3860**	2	CLAMP-HOSE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00570314

AIR INLET AND EXHAUST SYSTEM

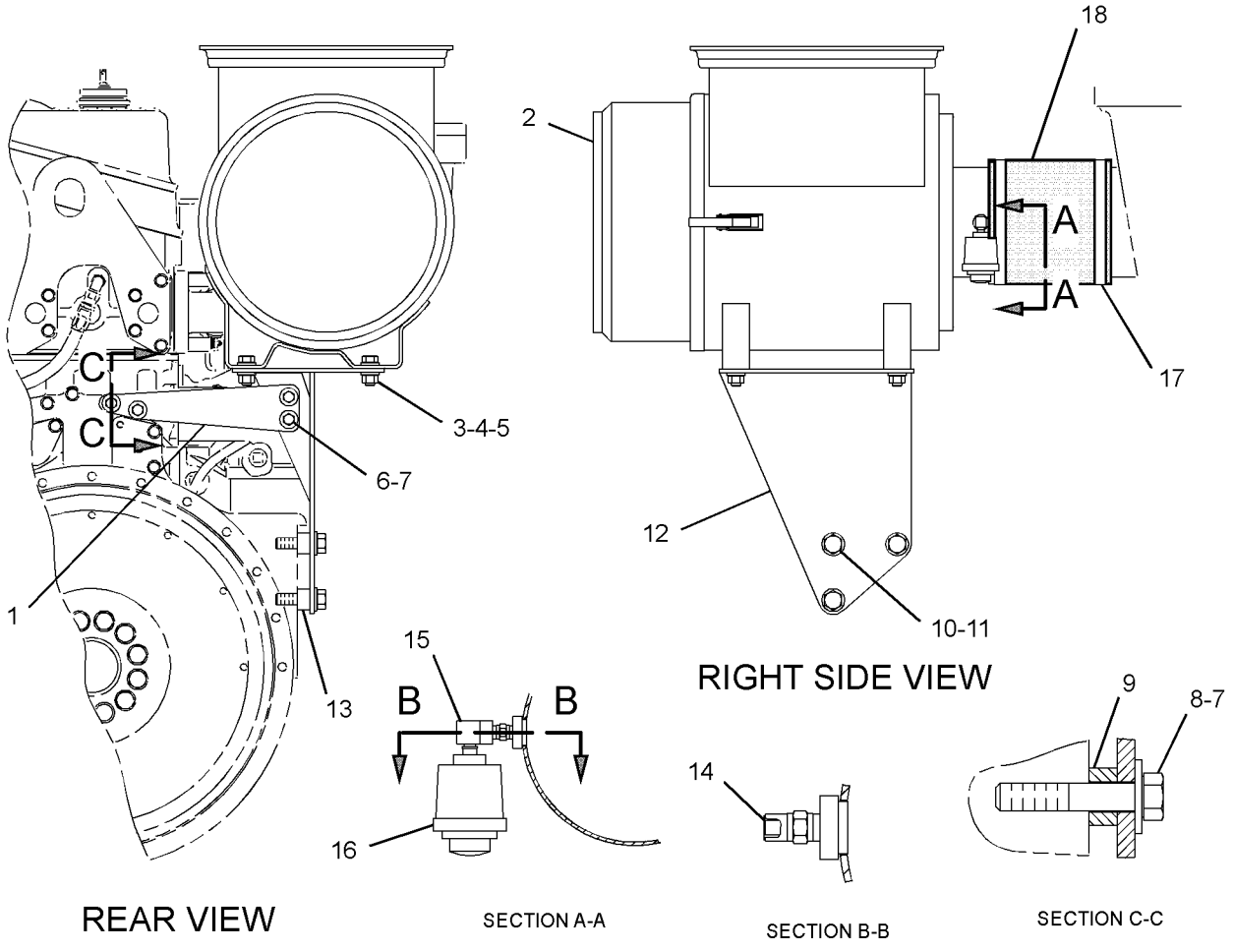
141-0809 AIR CLEANER GP

FOR USE WITH 8S-3893—PAGE 673, 135-7634—PAGE 250
AN ATTACHMENT

SMCS-1051, 1054 **i03641591**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**126-2441**	1	BRACKET	
Y	2	1	**163-0820**	1	AIR CLEANER GP	601
	3	1	**7B-3235**	4	BOLT (1/2-13X1.375-IN)	
	4	1	**7D-1649**	8	WASHER-HARD (13.5X32X5-MM THK)	
	5	1	**1F-7958**	4	NUT-FULL (1/2-13-THD)	
	6	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	7	1	**9L-9132**	4	WASHER (10.2X25.5X2.5-MM THK)	
	8	1	**0S-1590**	2	BOLT (3/8-16X2-IN)	
	9	1	**091-0081**	2	SPACER (10.5X20X10-MM THK)	
	10	1	**9X-8881**	3	BOLT (5/8-11X2.25-IN)	
	11	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
	12	1	**124-0655**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	13	1	**2A-0047**	3	WASHER (0.656X1.125X0.688-IN THK)	
	14	1	**5L-3233**	1	FITTING	
	15	1	**3B-6552**	1	ELBOW-PIPE	
	16	1	**8N-2694**	1	INDICATOR GP-AIR FILTER CHANGE	
	17	1	**135-6261**	2	CLAMP	
E	18	1	**6V-6811**		HOSE (17-CM)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01247484

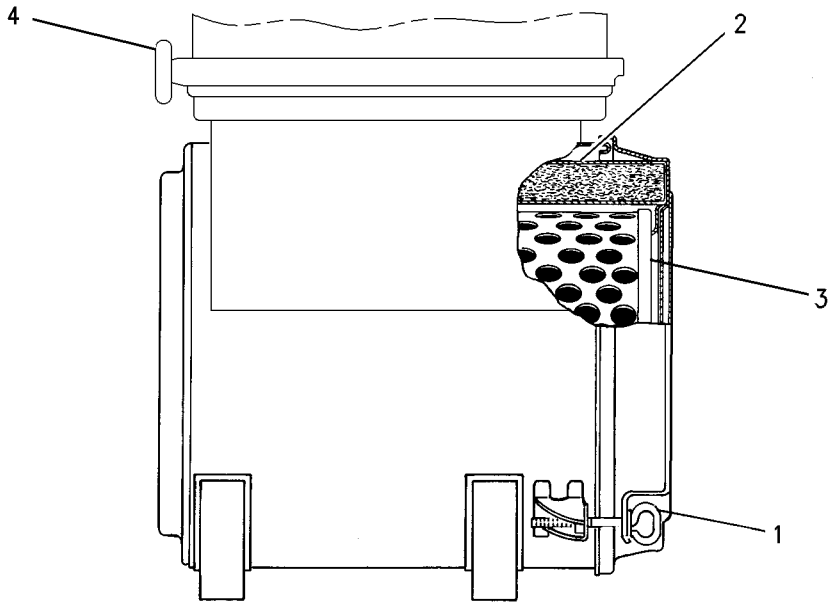
AIR INLET AND EXHAUST SYSTEM

163-0820 AIR CLEANER GP

PART OF 124-3643, 141-0809, 209-5356, 278-4486, 2W-6183 AIR CLEANER GP AN ATTACHMENT

SMCS-1051, 1054 **i01864400**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-4467**	1	COVER AS-AIR CLEANER	
		1	**101-2850**	1	FILM-INFORMATION (AIR CLEANER)	
	2	1	**6I-2509**	1	FILTER ELEMENT AS-AIR (PRIMARY)	
	3	1	**6I-2510**	1	FILTER ELEMENT AS-AIR (SECONDARY)	
	4	1	**8S-6824**	1	CLAMP AS	



GRAPHIC #1 **<END>** g00760184

AIR INLET AND EXHAUST SYSTEM

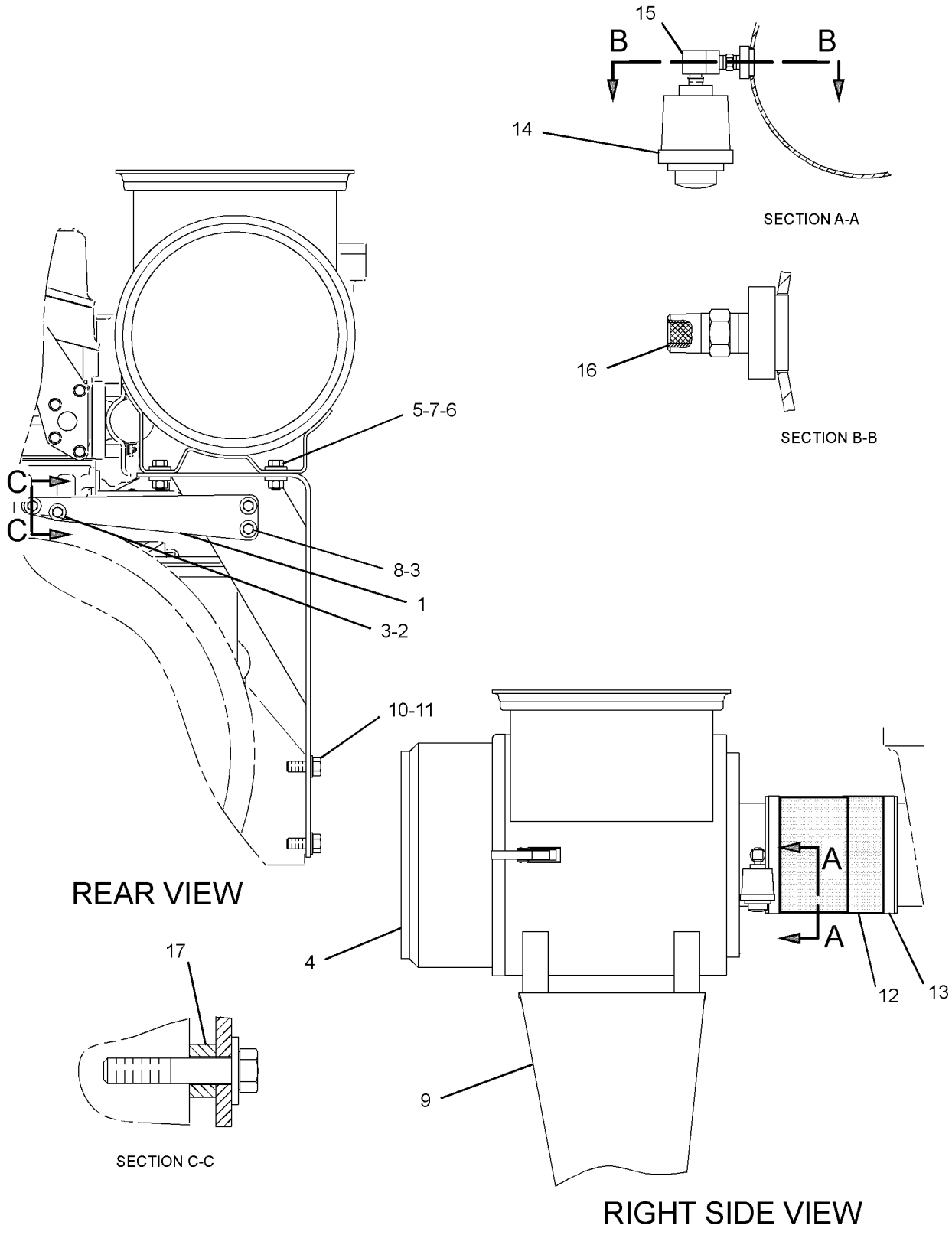
209-5356 AIR CLEANER GP

FOR USE WITH HEAVY DUTY MUFFLER/PRECLEANER AND NO. 0 FLYWHEEL HOUSING. CANNOT BE USED WITH JACKET WATER HEATER OR NO. 1 FLYWHEEL HOUSING AN ATTACHMENT

SMCS-1051, 1054 **i02786413**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**126-2442**	1	BRACKET	
	2	1	**0S-1590**	2	BOLT (3/8-16X2-IN)	
	3	1	**9L-9132**	4	WASHER (10.2X25.5X2.5-MM THK)	
Y	4	1	**163-0820**	1	AIR CLEANER GP	601
	5	1	**7B-3235**	4	BOLT (1/2-13X1.375-IN)	
	6	1	**1F-7958**	4	NUT-FULL (1/2-13-THD)	
	7	1	**7D-1649**	8	WASHER-HARD (13.5X32X5-MM THK)	
	8	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	9	1	**124-3689**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	10	1	**0S-1566**	3	BOLT (5/8-11X1.5-IN)	
	11	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
E	12	1	**6V-6811**		HOSE (17-CM)	
	13	1	**135-6261**	2	CLAMP	
	14	1	**8N-2694**	1	INDICATOR GP-AIR FILTER CHANGE (CLEANER)	
	15	1	**3B-6552**	1	ELBOW-PIPE	
	16	1	**5L-3233**	1	FITTING	
	17	1	**091-0081**	2	SPACER (10.5X20X10-MM THK)	

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01248706

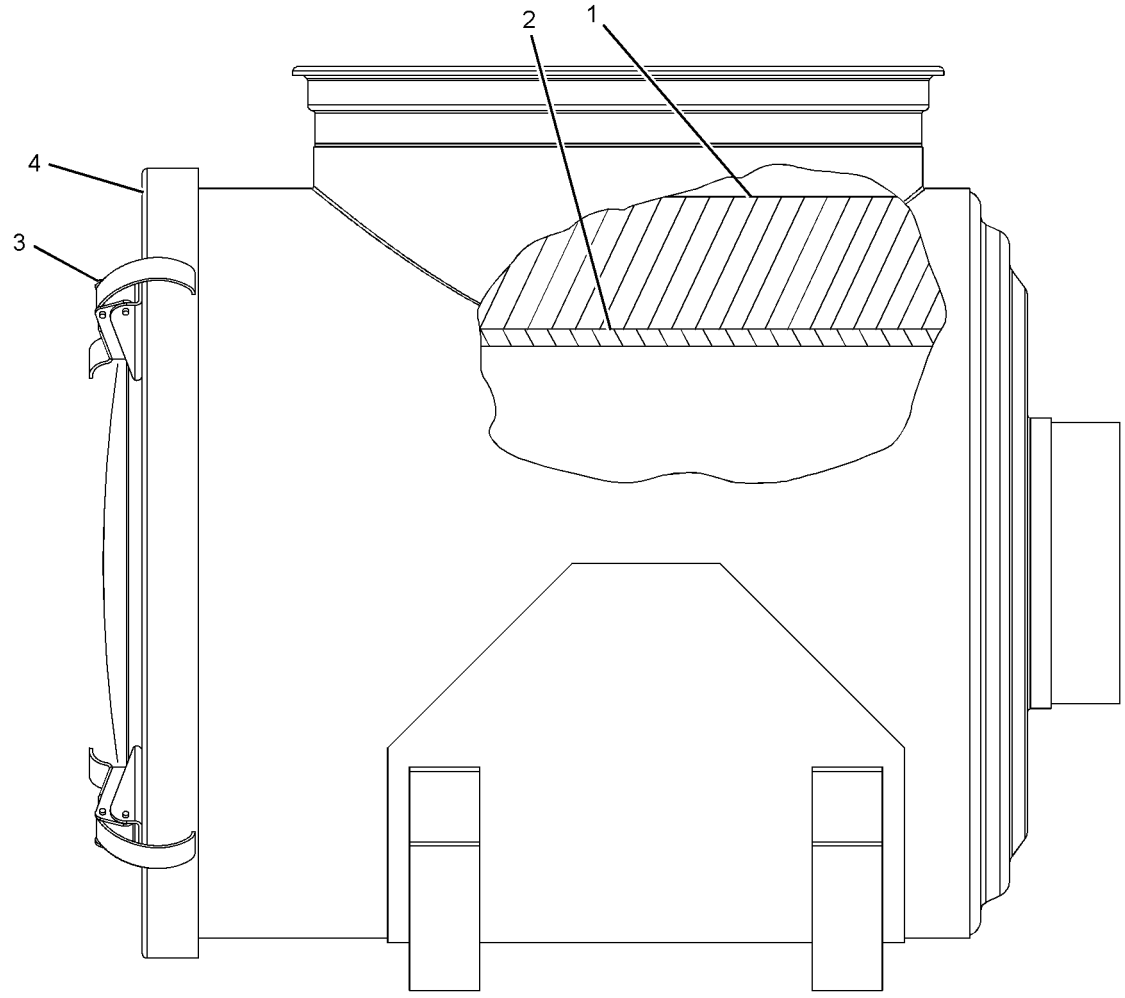
AIR INLET AND EXHAUST SYSTEM

248-8889 AIR CLEANER GP

PART OF 257-8420, 266-0763, 266-0766 AIR CLEANER GP
AN ATTACHMENT

SMCS-1051, 1054 **i03024982**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**106-3969**	1	FILTER ELEMENT AS-AIR (PRIMARY)	
	2	1	**106-3973**	1	FILTER ELEMENT AS-AIR (SECONDARY)	
	3	1	**8N-4617**	4	KIT-AIR CLEANER CLAMP	
					(INCLUDES CLIP AS AND RIVET)	
	4	1	**249-0945**	1	COVER AS	
		1	**165-5030**	1	SEAL-AIR CLEANER CUP	



GRAPHIC #1 **<END>** g01117559

AIR INLET AND EXHAUST SYSTEM

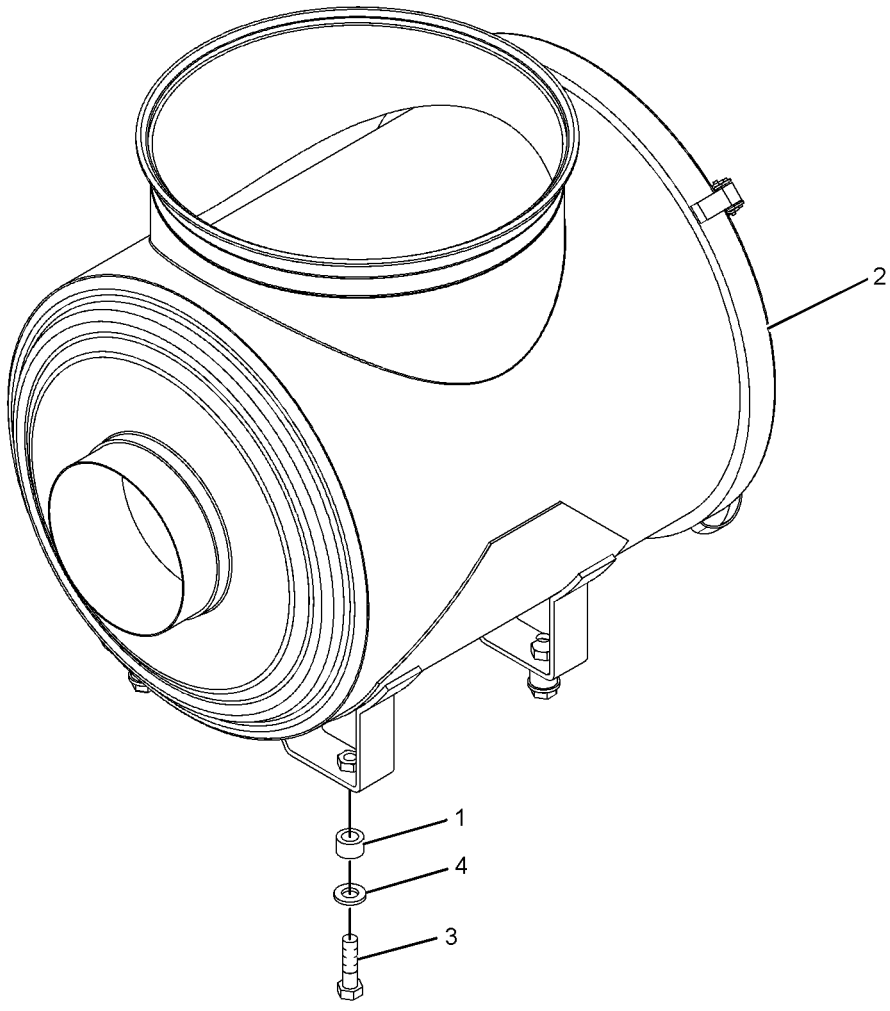
257-8420 AIR CLEANER GP

PART OF 268-6573 AIR CLEANER GP
AN ATTACHMENT

SMCS-1051, 1054 **i02218751**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**225-9199**	4	SPACER (13.5X22X14-MM THK)	
Y	2	1	**248-8889**	1	AIR CLEANER GP	604
M	3	1	**8T-4184**	4	BOLT (M12X1.75X45-MM)	
	4	1	**8T-4223**	4	WASHER-HARD (13.5X25.5X3-MM THK)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01120916

AIR INLET AND EXHAUST SYSTEM

266-0763 AIR CLEANER GP

S/N: JRE1-1290

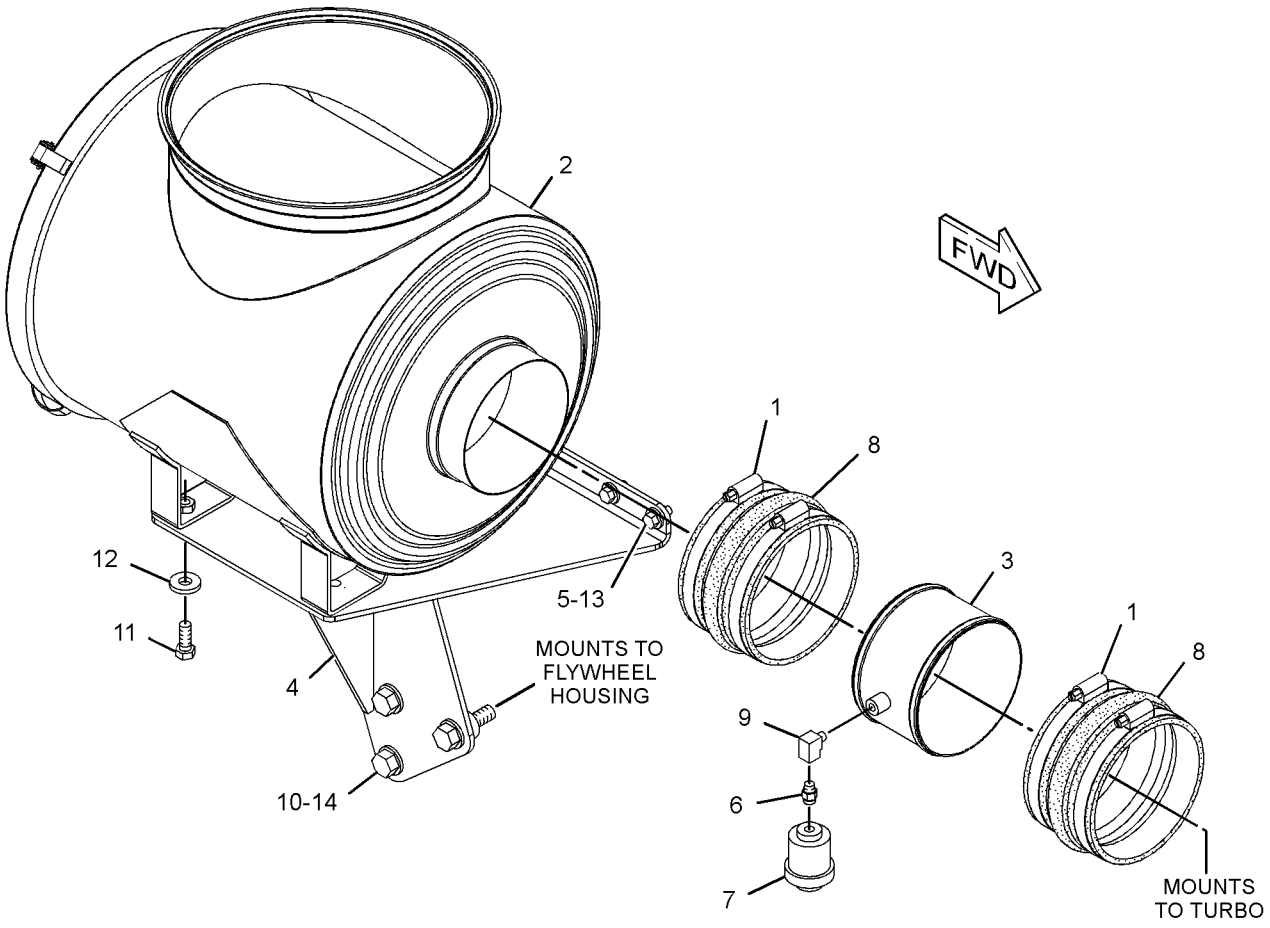
FOR USE WITH FRONT EXHAUST TURBO. CANNOT BE USED WITH JACKET WATER HEATER GP, REMOTE MOUNTED OIL FILTERS

AN ATTACHMENT

SMCS-1051, 1054 **i02939258**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-3860**	4	CLAMP-HOSE	
Y	2	1	**248-8889**	1	AIR CLEANER GP	604
	3	1	**266-0764**	1	TUBE AS	
	4	1	**266-0765**	1	BRACKET AS	
	5	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	6	1	**145-4211**	1	ADAPTER-FILTER	
		1	**7J-0204**	1	SEAL-O-RING	
	7	1	**145-4212**	1	INDICATOR-AIR FILTER CHANGE	
	8	1	**162-2177**	2	HOSE	
	9	1	**3B-6552**	1	ELBOW-PIPE	
	10	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
M	11	1	**6V-3668**	4	BOLT (M12X1.75X30-MM)	
	12	1	**7D-1649**	4	WASHER-HARD (13.5X32X5-MM THK)	
	13	1	**9X-6458**	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	14	1	**9X-8881**	3	BOLT (5/8-11X2.25-IN)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01159308

266-0763 AIR CLEANER GP

S/N: JRE1291-UP

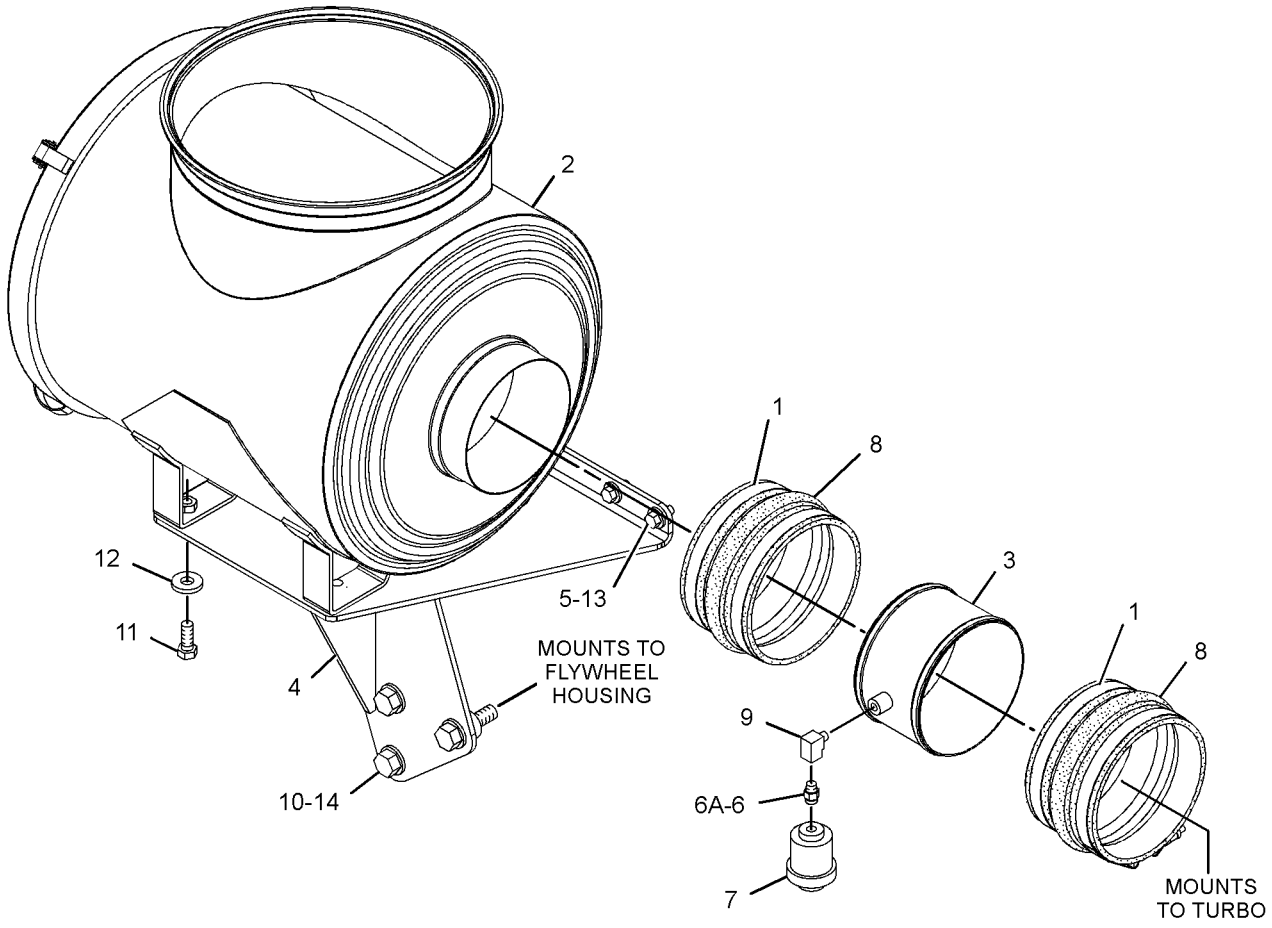
FOR USE WITH FRONT EXHAUST TURBO. CANNOT BE USED WITH JACKET WATER HEATER GP, REMOTE MOUNTED OIL FILTERS

AN ATTACHMENT

SMCS-1051, 1054 **i02939260**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**135-6261**	4	CLAMP	
Y	2	1	**248-8889**	1	AIR CLEANER GP	604
	3	1	**266-0764**	1	TUBE AS	
	4	1	**266-0765**	1	BRACKET AS	
	5	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	6	1	**145-4211**	1	ADAPTER-FILTER	
	6A	1	**7J-0204**	1	SEAL-O-RING	
	7	1	**145-4212**	1	INDICATOR-AIR FILTER CHANGE	
	8	1	**162-2177**	2	HOSE	
	9	1	**3B-6552**	1	ELBOW-PIPE	
	10	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
M	11	1	**6V-3668**	4	BOLT (M12X1.75X30-MM)	
	12	1	**7D-1649**	4	WASHER-HARD (13.5X32X5-MM THK)	
	13	1	**9X-6458**	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	14	1	**9X-8881**	3	BOLT (5/8-11X2.25-IN)	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01270508

AIR INLET AND EXHAUST SYSTEM

266-0766 AIR CLEANER GP

S/N: JRE1-1290

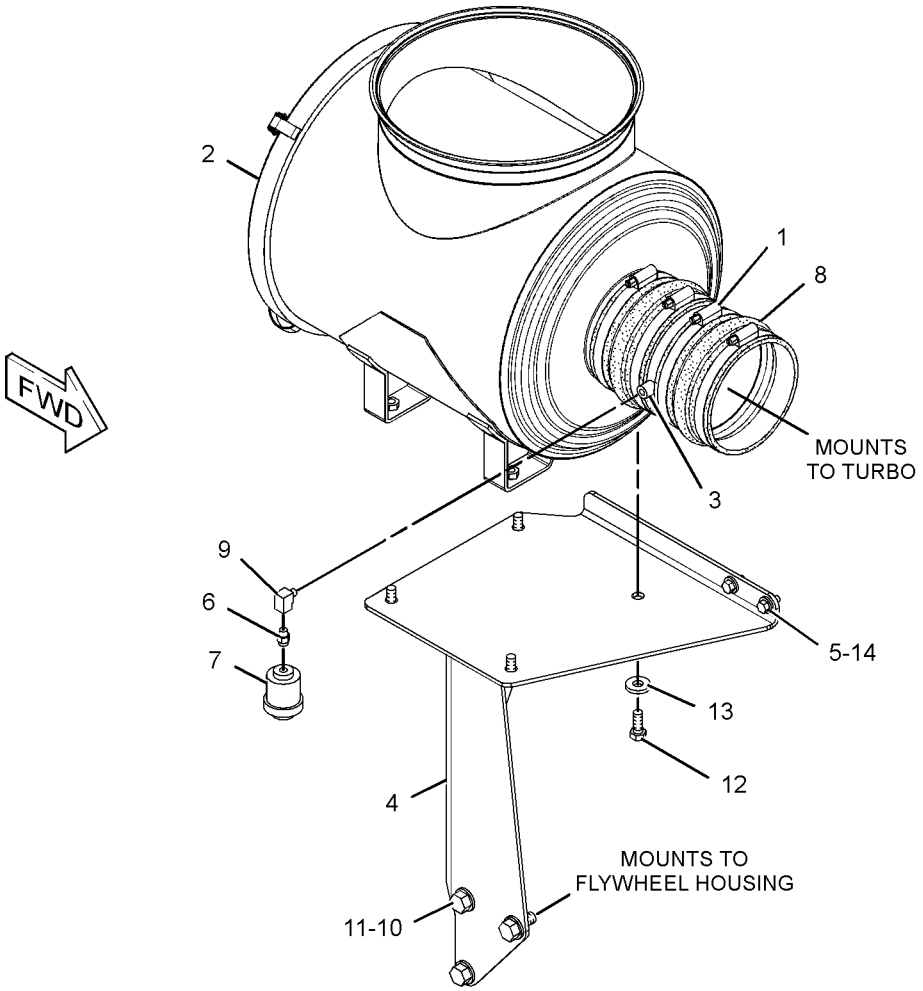
FOR USE WITH FRONT EXHAUST TURBO, SAE NO.O FLYWHEEL HOUSING, SINGLE TURBO ONLY. CANNOT BE USED WITH JACKET WATER HEATER GROUP, REMOTE MOUNTED OIL FILTERS

AN ATTACHMENT

SMCS-1051, 1054 **i02939271**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-3860**	4	CLAMP-HOSE	
Y	2	1	**248-8889**	1	AIR CLEANER GP	604
	3	1	**266-0764**	1	TUBE AS	
	4	1	**266-0767**	1	BRACKET AS	
	5	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	6	1	**145-4211**	1	ADAPTER-FILTER	
		1	**7J-0204**	1	SEAL-O-RING	
	7	1	**145-4212**	1	INDICATOR-AIR FILTER CHANGE	
	8	1	**162-2177**	2	HOSE	
	9	1	**3B-6552**	1	ELBOW-PIPE	
	10	1	**4B-4043**	3	BOLT (5/8-11X1.375-IN)	
	11	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
M	12	1	**6V-3668**	4	BOLT (M12X1.75X30-MM)	
	13	1	**7D-1649**	4	WASHER-HARD (13.5X32X5-MM THK)	
	14	1	**9X-6458**	2	WASHER-HARD (10.2X22.5X3-MM THK)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01153890

AIR INLET AND EXHAUST SYSTEM

266-0766 AIR CLEANER GP

S/N: JRE1291-UP

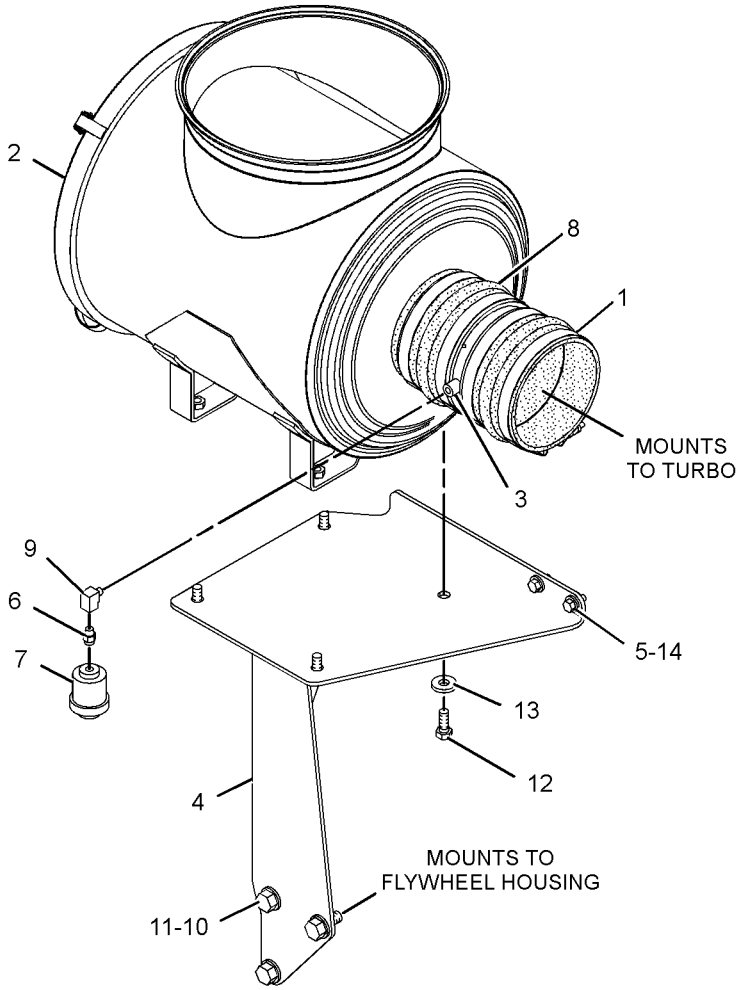
FOR USE WITH FRONT EXHAUST TURBO, SAE NO.0 FLYWHEEL HOUSING, SINGLE TURBO ONLY. CANNOT BE USED WITH JACKET WATER HEATER GROUP, REMOTE MOUNTED OIL FILTERS

AN ATTACHMENT

SMCS-1051, 1054 **i02939270**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**135-6261**	4	CLAMP	
Y	2	1	**248-8889**	1	AIR CLEANER GP	604
	3	1	**266-0764**	1	TUBE AS	
	4	1	**266-0767**	1	BRACKET AS	
	5	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	6	1	**145-4211**	1	ADAPTER-FILTER	
		1	**7J-0204**	1	SEAL-O-RING	
	7	1	**145-4212**	1	INDICATOR-AIR FILTER CHANGE	
	8	1	**162-2177**	2	HOSE	
	9	1	**3B-6552**	1	ELBOW-PIPE	
	10	1	**4B-4043**	3	BOLT (5/8-11X1.375-IN)	
	11	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
M	12	1	**6V-3668**	4	BOLT (M12X1.75X30-MM)	
	13	1	**7D-1649**	4	WASHER-HARD (13.5X32X5-MM THK)	
	14	1	**9X-6458**	2	WASHER-HARD (10.2X22.5X3-MM THK)	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01271047

AIR INLET AND EXHAUST SYSTEM

268-6573 AIR CLEANER GP

AN ATTACHMENT

SMCS-1051, 1054 **i02939266**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	*257-8420*	1	AIR CLEANER GP	605
	145-4211	1	ADAPTER-FILTER	
	7J-0204	1	SEAL-O-RING	
	5P-3860	4	CLAMP-HOSE	
	3B-6552	1	ELBOW-PIPE	
	162-2177	2	HOSE	
	145-4212	1	INDICATOR-AIR FILTER CHANGE	
	8T-6765	1	PLUG-PIPE	
	238-0382	1	TUBE AS	

Y-SEPARATE ILLUSTRATION

<END>

AIR INLET AND EXHAUST SYSTEM

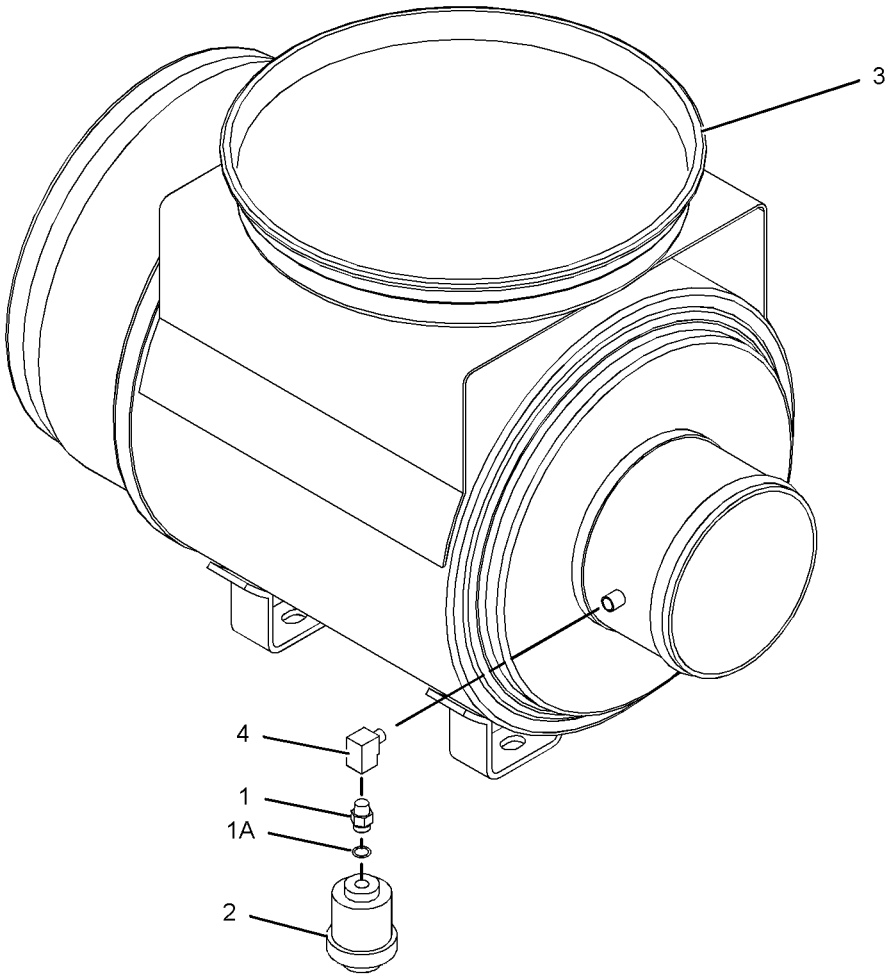
278-4486 AIR CLEANER GP

AN ATTACHMENT

SMCS-1051, 1054 **i02939276**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**145-4211**	1	ADAPTER-FILTER	
	1A	1	**7J-0204**	1	SEAL-O-RING	
	2	1	**145-4212**	1	INDICATOR-AIR FILTER CHANGE	
Y	3	1	**163-0820**	1	AIR CLEANER GP	601
	4	1	**3B-6552**	1	ELBOW-PIPE	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01211319

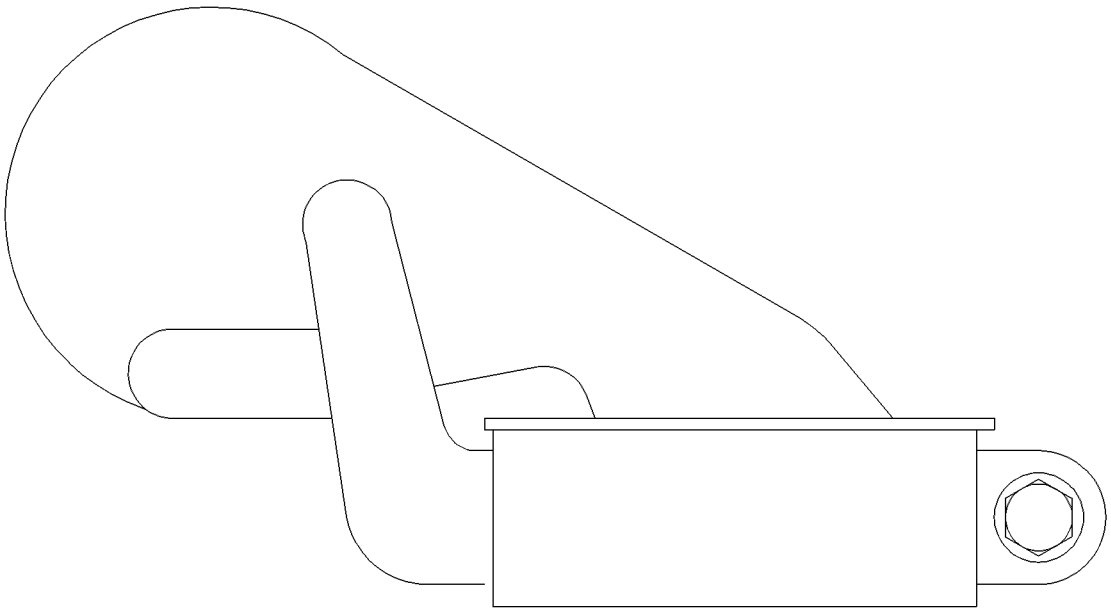
AIR INLET AND EXHAUST SYSTEM

7S-4411 CAP AS-RAIN—EXHAUST PIPE

FOR USE WITH 6-INCH (152.4-MM) DIAMETER EXHAUST
AN ATTACHMENT

SMCS-1072 **i01297417**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00595606

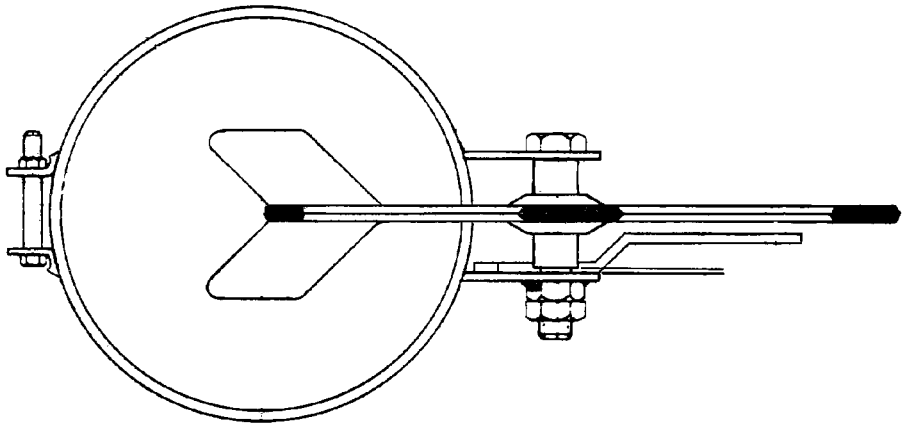
AIR INLET AND EXHAUST SYSTEM

7S-5003 CAP AS-RAIN–EXHAUST

171-MM (6.75-IN)
AN ATTACHMENT

SMCS-1072 **i02729069**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00759415

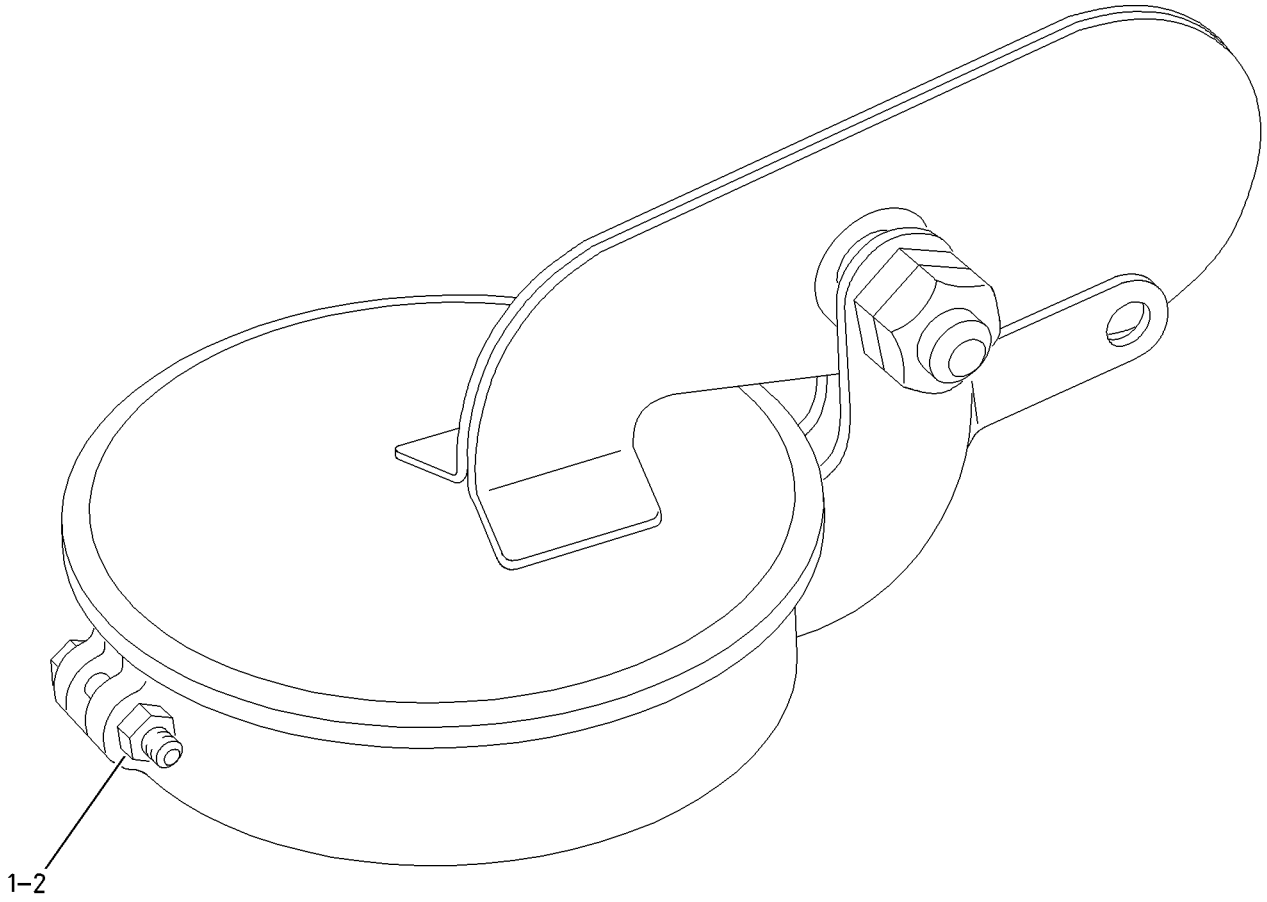
AIR INLET AND EXHAUST SYSTEM

9S-7148 CAP AS-RAIN–EXHAUST PIPE

5 TO 5-3/16 INCH DIAMETER, 10-1/4 INCH OVERALL LENGTH
FOR USE WITH MUFFLER OR EXHAUST PIPE
AN ATTACHMENT

SMCS-1072 **i02332449**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1B-2713**	1	BOLT (1/4-20X1.75-IN)	
	2	1	**9S-8750**	1	NUT-FULL (1/4-20-THD)	



GRAPHIC #1 **<END>** g00791291

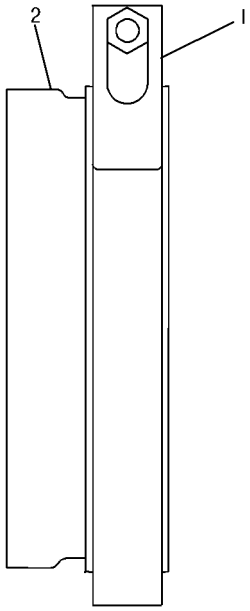
AIR INLET AND EXHAUST SYSTEM

4W-9183 CONNECTION GP-EXHAUST

**PROVIDES A 5 INCH (127-MM) O.D. EXHAUST WELD CONNECTOR AT ONE END,
A FULL MARMON CONNECTOR AT THE OTHER END
AN ATTACHMENT**

SMCS-1061 **i01586669**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-9160**	1	CLAMP-V BAND	
	2	1	**9N-1940**	1	ADAPTER-EXHAUST PIPE	



GRAPHIC #1 **<END>** g00196564

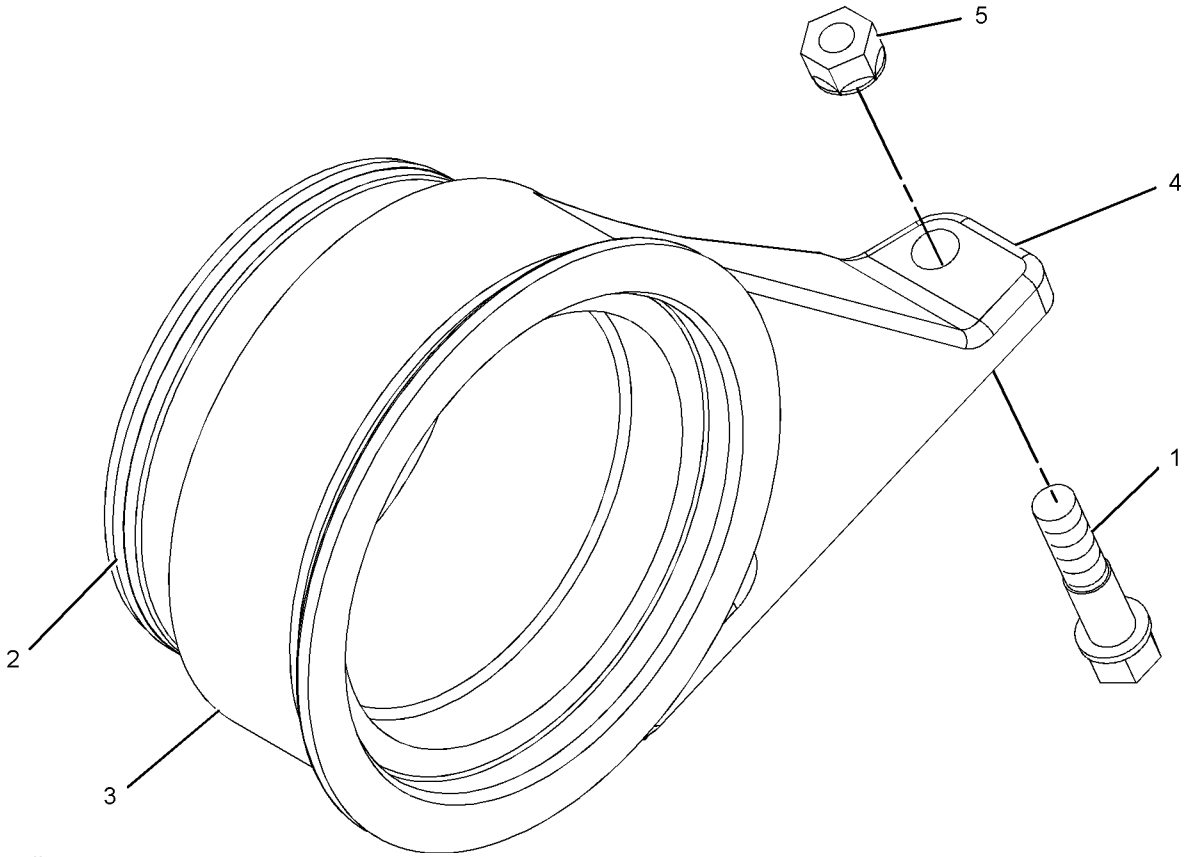
AIR INLET AND EXHAUST SYSTEM

237-4298 CONNECTION GP-EXHAUST

FOR USE WITH FRONT EXHAUST TURBO GROUP
AN ATTACHMENT

SMCS-1061 **i02137766**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-2765**	2	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	2	1	**5L-8854**	2	RING-SEALING	
	3	1	**166-4936**	1	COUPLING-EXHAUST	
	4	1	**237-4301**	1	SUPPORT-EXHAUST	
	5	1	**2N-2766**	2	LOCKNUT (3/8-16-THD)	



GRAPHIC #1 **<END>** g01086587

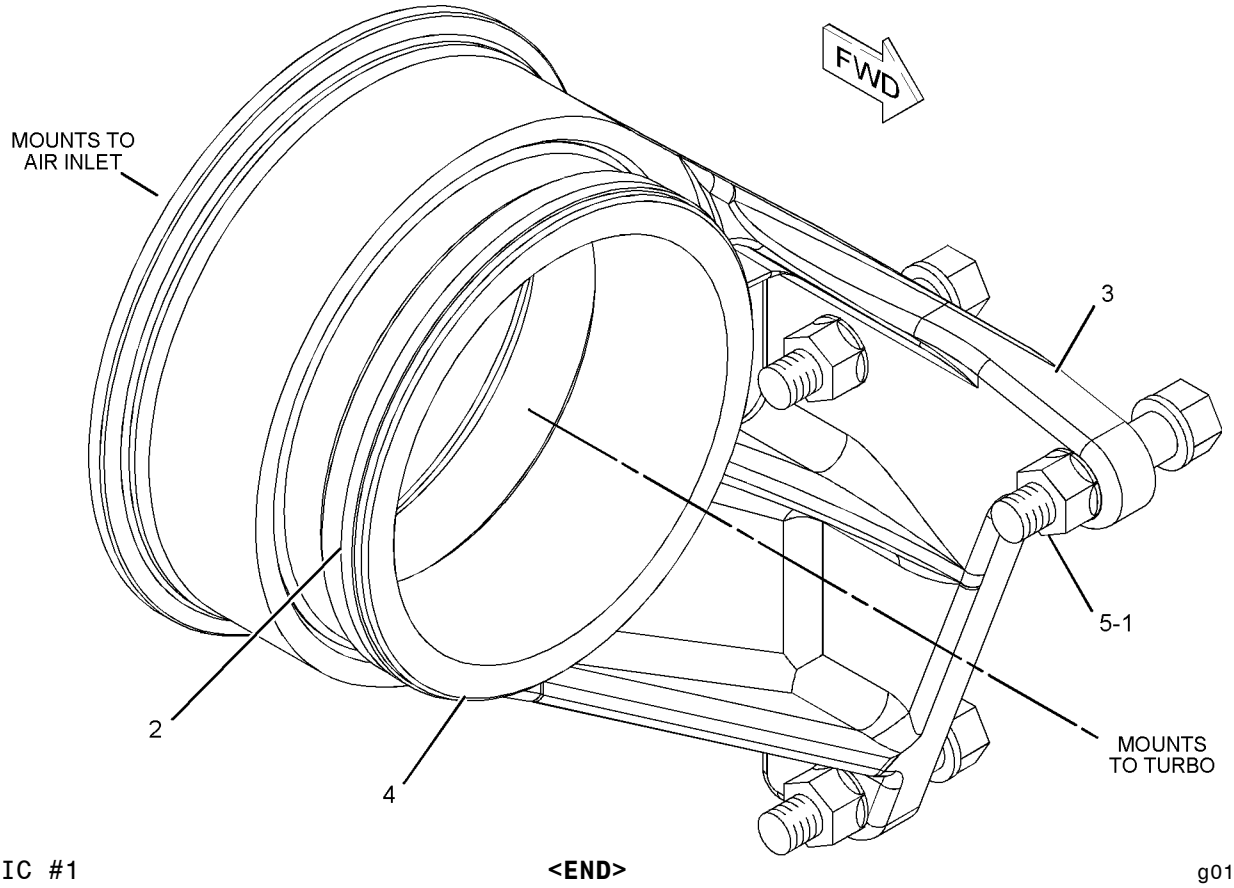
AIR INLET AND EXHAUST SYSTEM

240-6041 CONNECTION GP-EXHAUST

FOR USE WITH REAR EXHAUST TURBO GROUP. CANNOT BE USED WITH TWIN TURBO CONFIGURATION
AN ATTACHMENT

SMCS-1061 **i02137763**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-2765**	3	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	2	1	**5L-8854**	2	RING-SEALING	
	3	1	**240-6042**	1	SUPPORT-EXHAUST	
	4	1	**240-6043**	1	COUPLING-EXHAUST	
	5	1	**2N-2766**	3	LOCKNUT (3/8-16-THD)	



GRAPHIC #1 **<END>** g01086690

AIR INLET AND EXHAUST SYSTEM

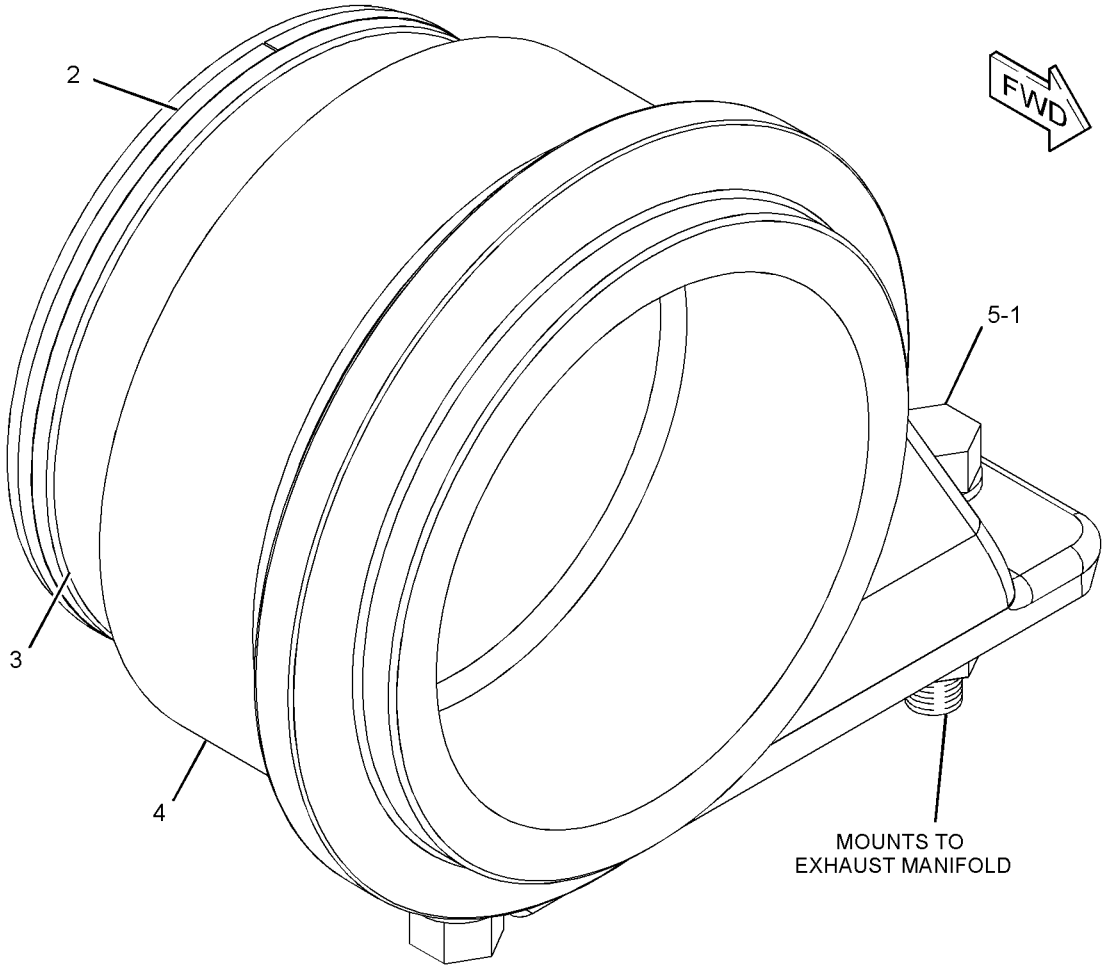
254-3226 CONNECTION GP-EXHAUST

FOR USE WITH FRONT AND REAR EXHAUST TURBO GROUP. CANNOT BE USED WITH TWIN TURBO

AN ATTACHMENT

SMCS-1061 **i02294639**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-2765**	2	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	2	1	**5L-8854**	2	RING-SEALING	
	3	1	**166-4936**	1	COUPLING-EXHAUST	
	4	1	**254-3227**	1	SUPPORT-EXHAUST	
	5	1	**2N-2766**	2	LOCKNUT (3/8-16-THD)	



GRAPHIC #1 **<END>** g01154142

AIR INLET AND EXHAUST SYSTEM

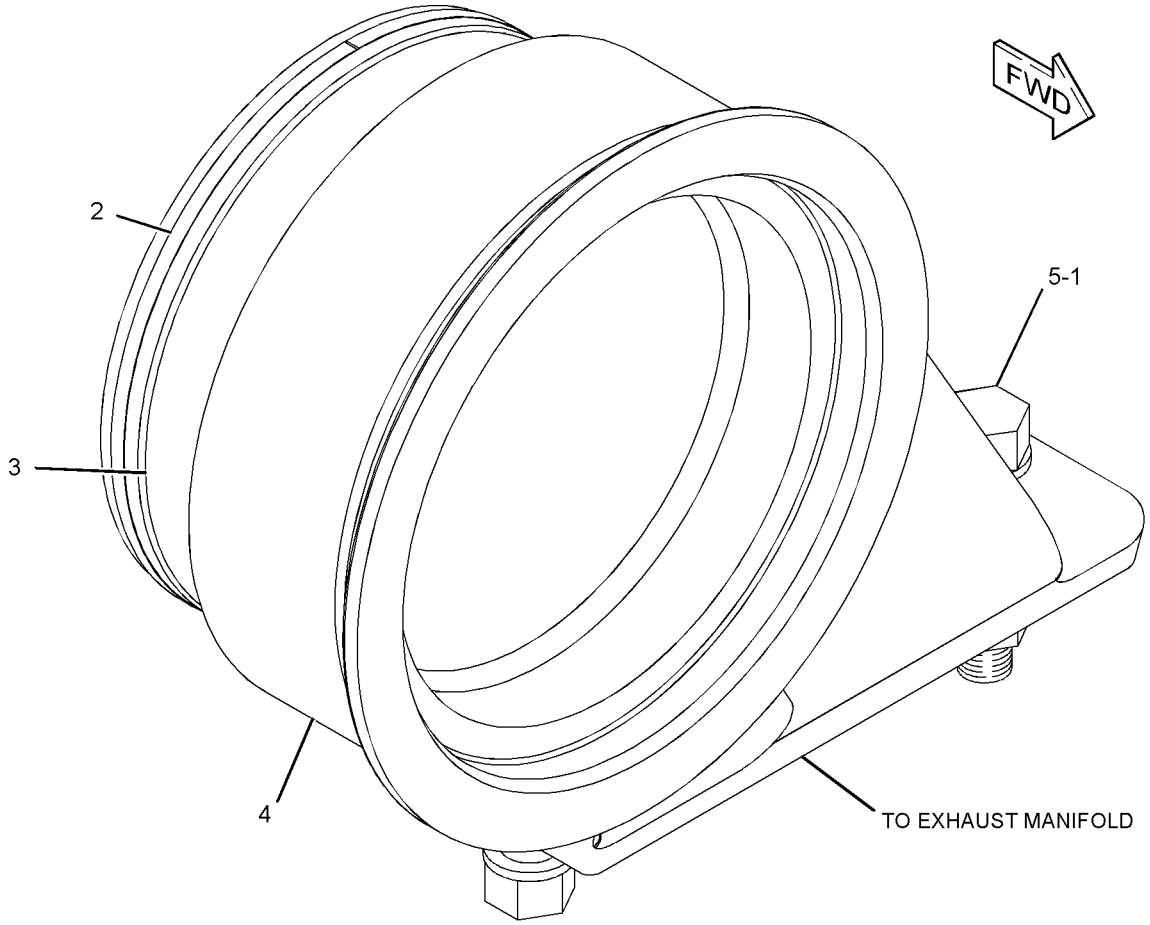
257-7276 CONNECTION GP-EXHAUST

FOR USE WITH FRONT AND REAR EXHAUST TURBO GROUP. CANNOT BE USED WITH TWIN TURBO

AN ATTACHMENT

SMCS-1061 **i02282985**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-2765**	2	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	2	1	**5L-8854**	2	RING-SEALING	
	3	1	**166-4936**	1	COUPLING-EXHAUST	
	4	1	**257-7277**	1	SUPPORT-EXHAUST	
	5	1	**2N-2766**	2	LOCKNUT (3/8-16-THD)	



GRAPHIC #1 **<END>** g01154308

AIR INLET AND EXHAUST SYSTEM

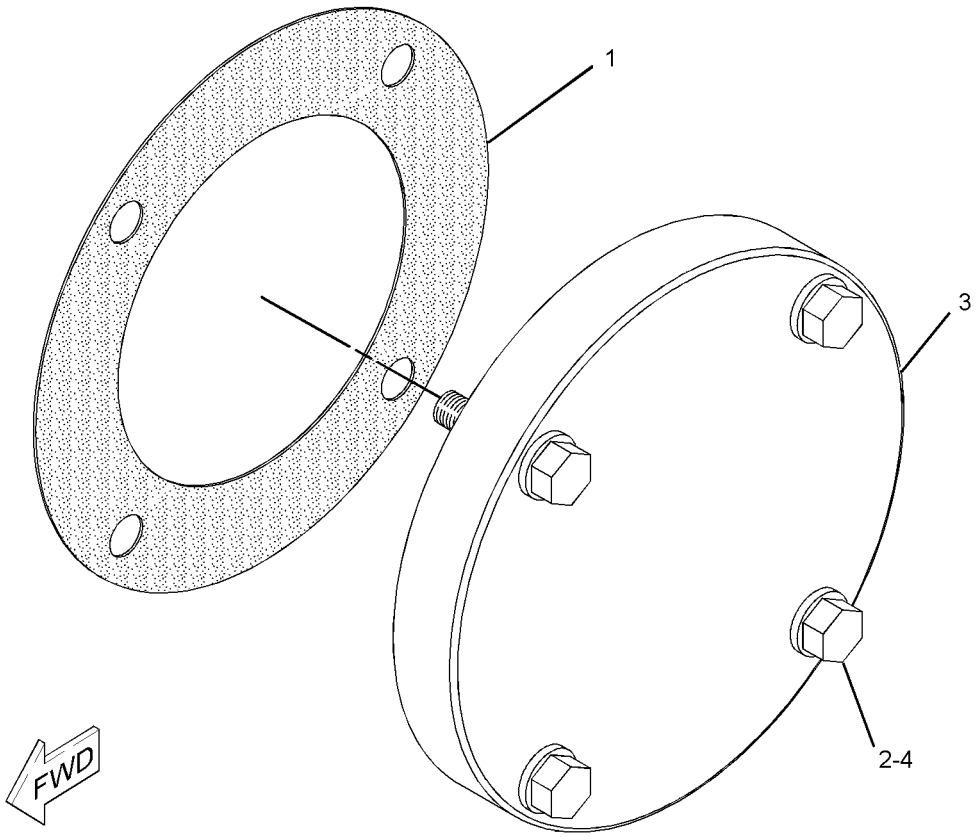
263-2912 COVER GP-AIR INLET

CANNOT BE USED WITH FACTORY INSTALLED RADIATOR OR INLET MANIFOLD ELBOW AN ATTACHMENT

SMCS-1087 **i02225575**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	2	1	**0S-1591**	4	BOLT (3/8-16X1.5-IN)	
B	3	1	**126-0136**	1	COVER	
	4	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	

B-USE AS REQUIRED



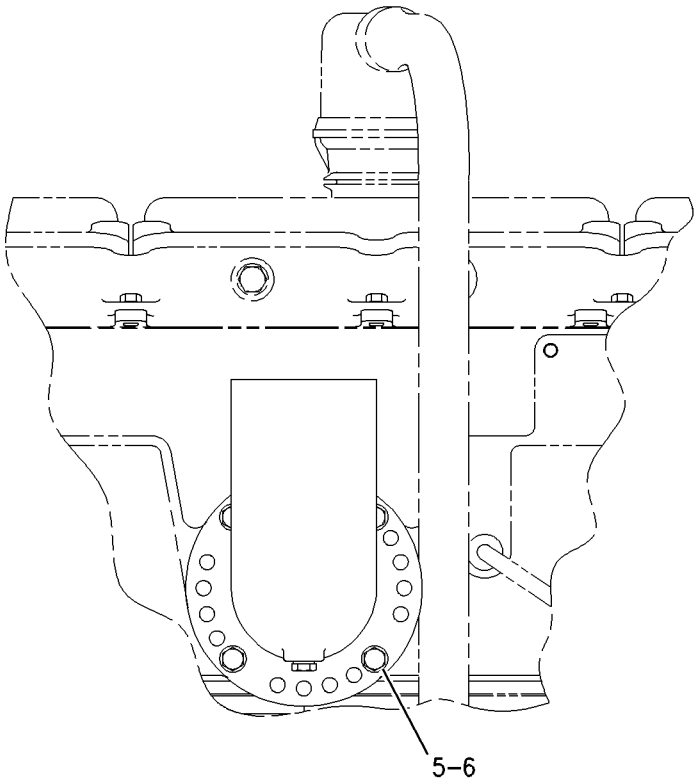
GRAPHIC #1 **<END>** g01138290

109-4202 ELBOW GP-AIR INLET

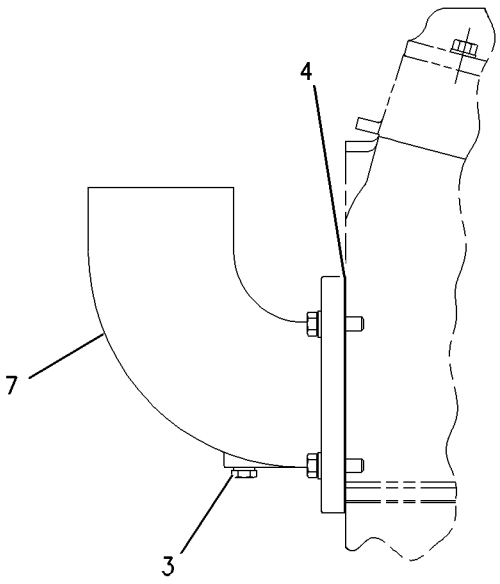
PROVIDES ETHER PORT ELBOW THAT ATTACHES TO CYLINDER HEAD HOSE CONNECTION
CANNOT BE USED WITH AIR SHUT OFF
AN ATTACHMENT

SMCS-1087 **i02140338**

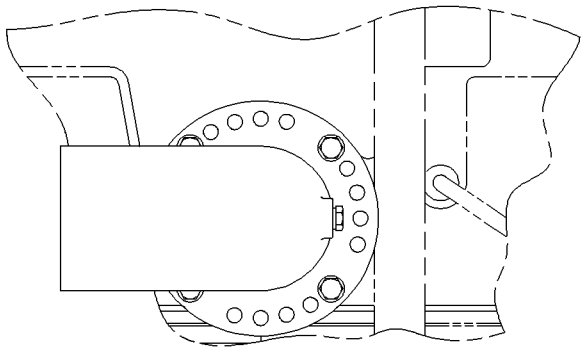
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	3	1	**8T-6765**	1	PLUG-PIPE	
	4	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	5	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	6	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	**109-4203**	1	ELBOW	



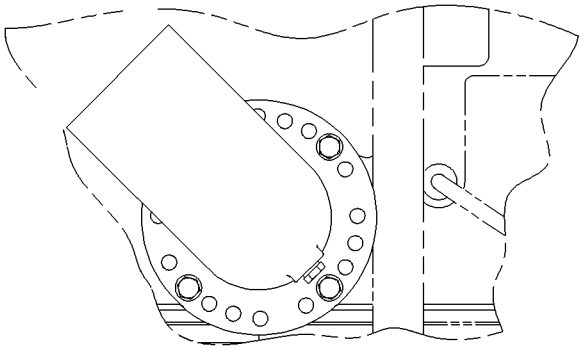
LEFT SIDE VIEW



REAR VIEW



LEFT SIDE VIEW
ALTERNATE ORIENTATION



LEFT SIDE VIEW
ALTERNATE ORIENTATION

GRAPHIC #1 **<END>** g00913916

AIR INLET AND EXHAUST SYSTEM

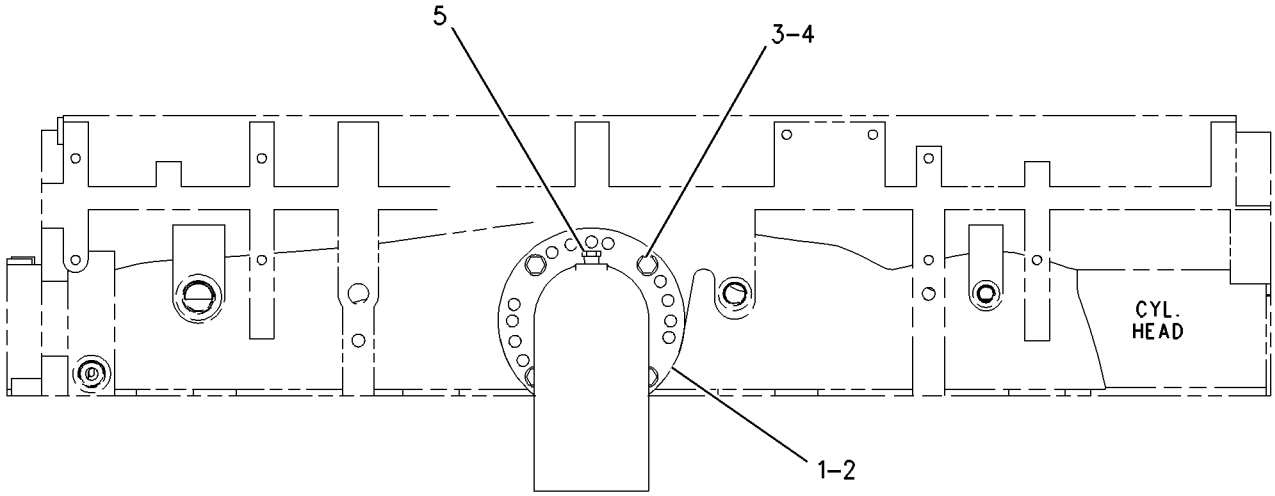
223-3932 ELBOW GP-AIR INLET

CANNOT BE USED WITH MID MOUNT FUEL LINES

AN ATTACHMENT

SMCS-1087 **i03206686**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	2	1	**109-4203**	1	ELBOW (AIR INLET)	
	3	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	4	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**8T-6765**	1	PLUG-PIPE	



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00934366

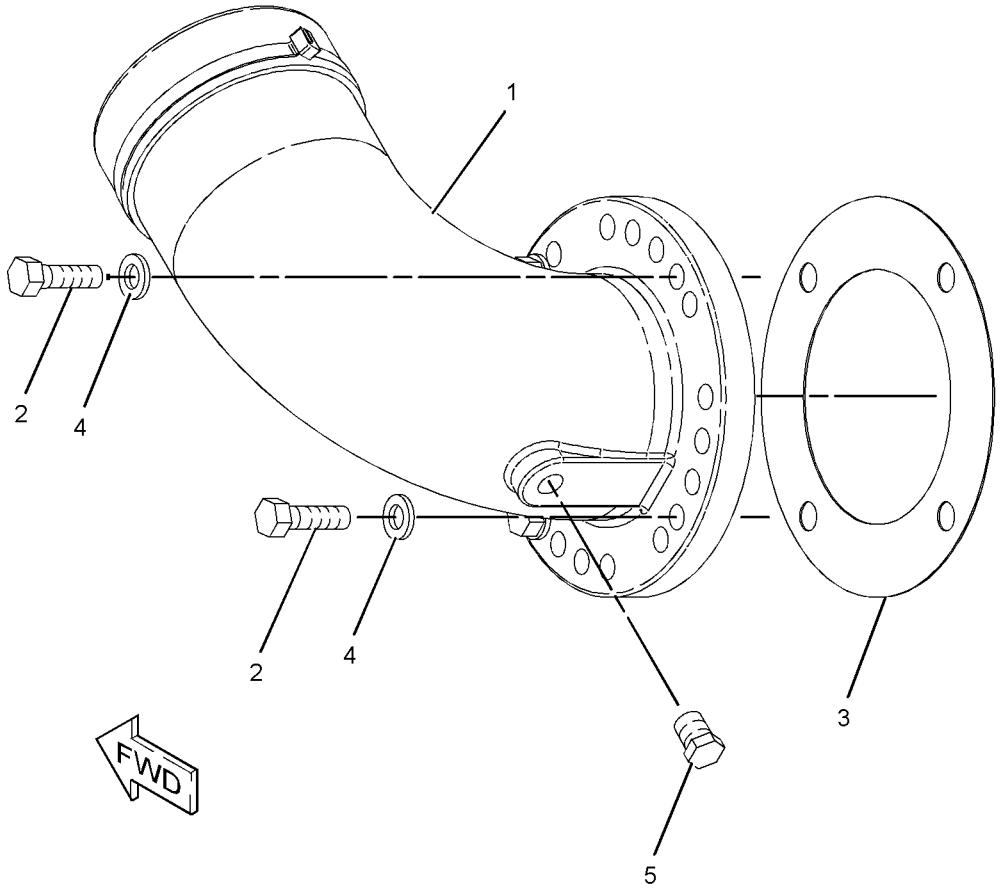
AIR INLET AND EXHAUST SYSTEM

269-7896 ELBOW GP-AIR INLET

AFTERCOOLER CONNECTION TO THE CYLINDER HEAD WHICH IS ORIENTED 15 DEGREE FORWARD OF VERTICAL
AN ATTACHMENT

SMCS-1087 **i03206687**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**109-4203**	1	ELBOW (AIR INLET)	
	2	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	3	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	4	1	**5M-2894**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**8T-6765**	1	PLUG-PIPE	



GRAPHIC #1 **<END>** g01152179

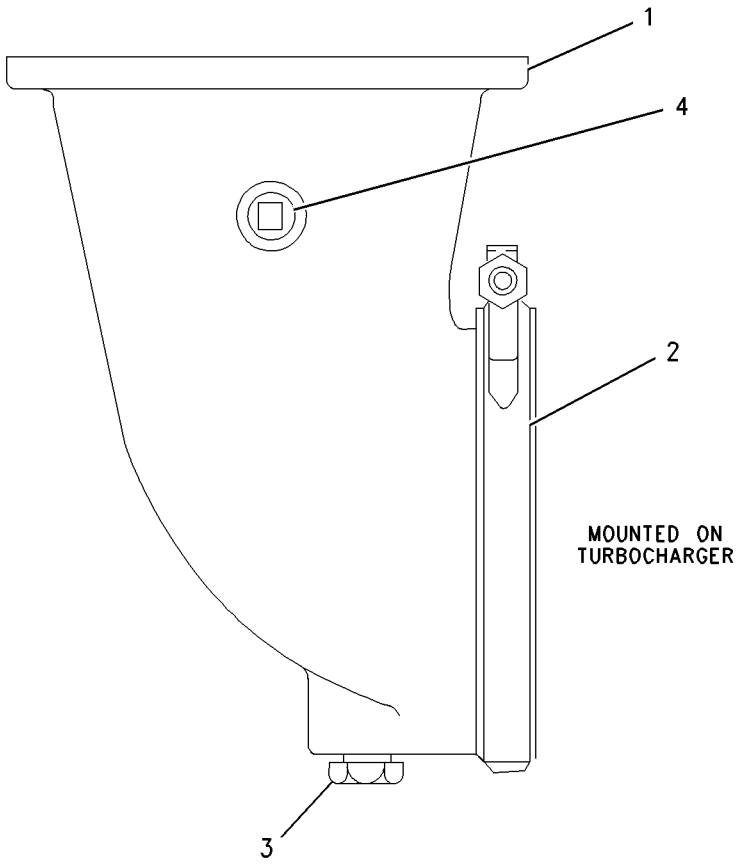
AIR INLET AND EXHAUST SYSTEM

5L-7661 ELBOW GP-EXHAUST

127-MM (5-INCH)
FOR USE WITH 5-INCH DIAMETER EXHAUST SYSTEM
AN ATTACHMENT

SMCS-1061 **i03474660**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-7634**	1	ELBOW-EXHAUST	
	2	1	**5L-7631**	1	CLAMP	
	3	1	**9B-0887**	1	PLUG-PIPE (3/8-18 NPTF)	
	4	1	**5M-6213**	1	PLUG-PIPE (1/4-18 NPTF)	



GRAPHIC #1 **<END>** g00738628

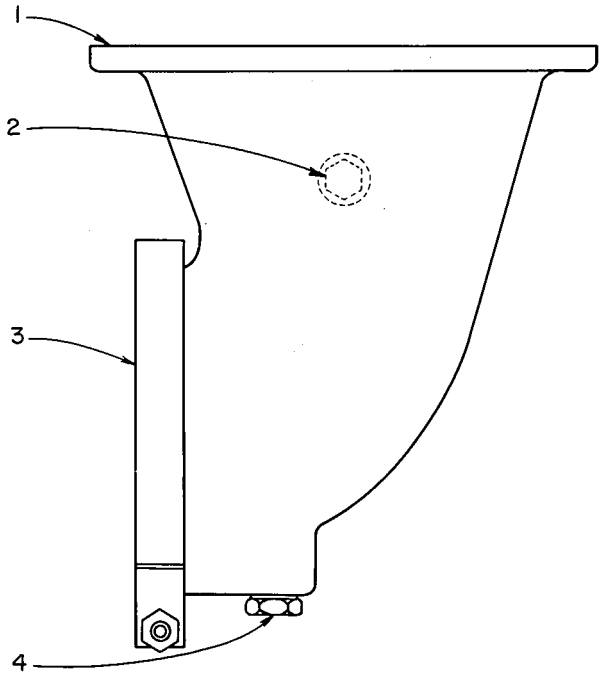
AIR INLET AND EXHAUST SYSTEM

6L-2927 ELBOW GP-EXHAUST

152.4 MM (6 INCH)
FOR USE WITH DRY TURBOCHARGER
AN ATTACHMENT

SMCS-1061 **i03474663**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-7635**	1	ELBOW-EXHAUST	
	2	1	**5M-6213**	1	PLUG-PIPE	
	3	1	**5L-7631**	1	CLAMP	
	4	1	**9B-0887**	1	PLUG-PIPE (3/8-18 NPTF)	



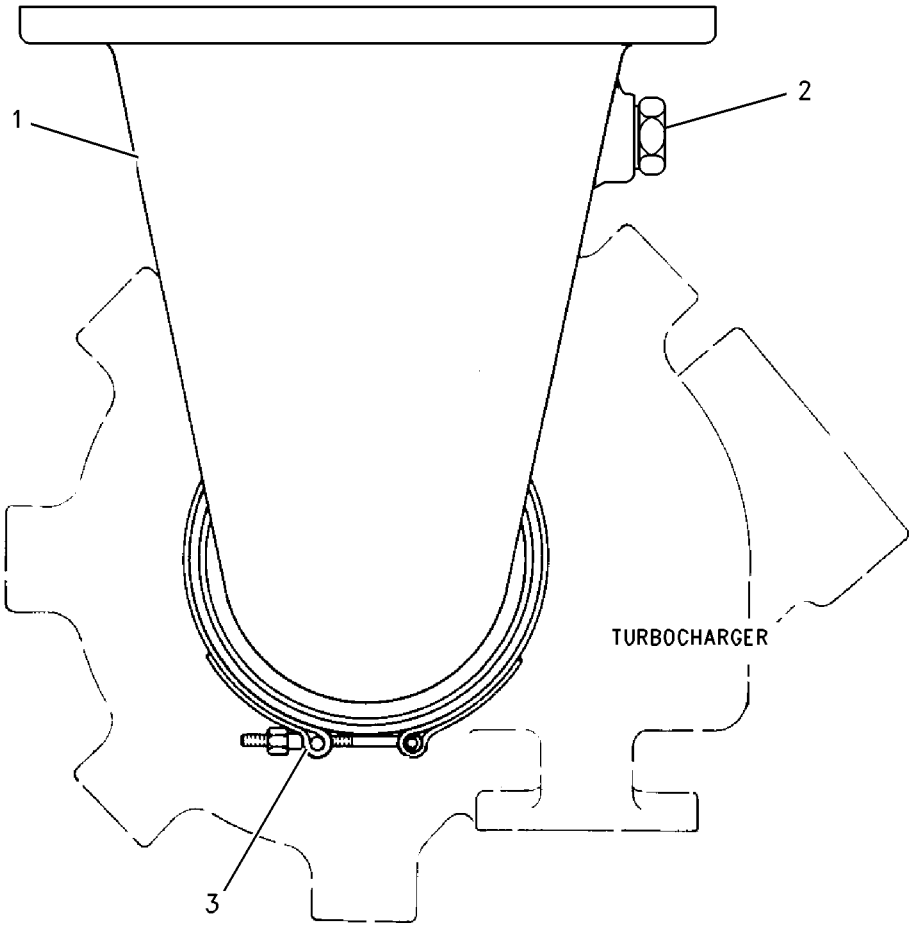
GRAPHIC #1 **<END>** g00205634

7N-6351 ELBOW GP-EXHAUST

ROTATABLE 90 DEGREE DRY ELBOW WITH 7.88-IN OUTLET
AN ATTACHMENT

SMCS-1061 **i02729018**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-3575**	1	ELBOW-EXHAUST	
	2	1	**3J-5389**	1	PLUG	
	3	1	**5L-7631**	1	CLAMP	



GRAPHIC #1 **<END>** g00768966

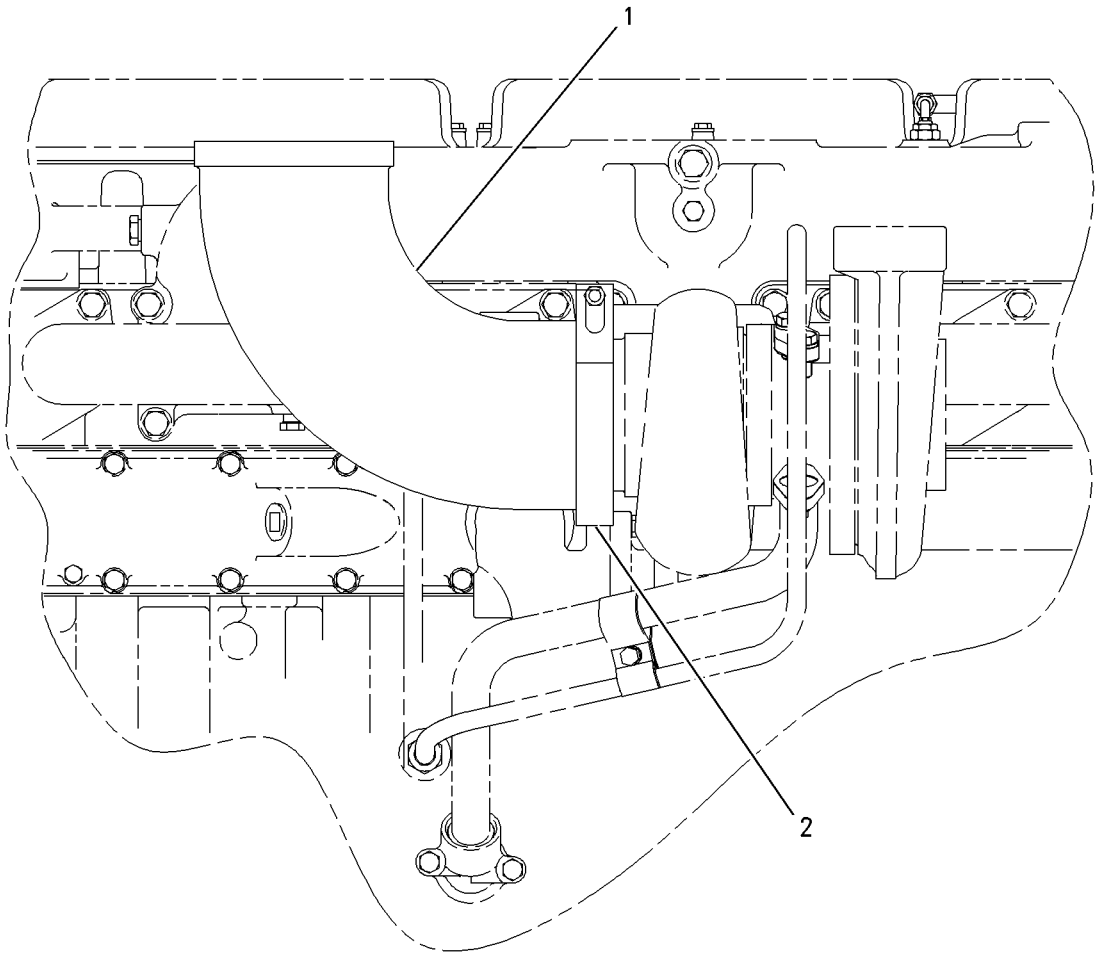
AIR INLET AND EXHAUST SYSTEM

155-8536 ELBOW GP-EXHAUST

90 DEGREE FLARED, 127-MM, WELDABLE
AN ATTACHMENT

SMCS-1061 **i01606014**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-8538**	1	ELBOW-EXHAUST	
	2	1	**4W-9160**	1	CLAMP-V BAND	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00831728

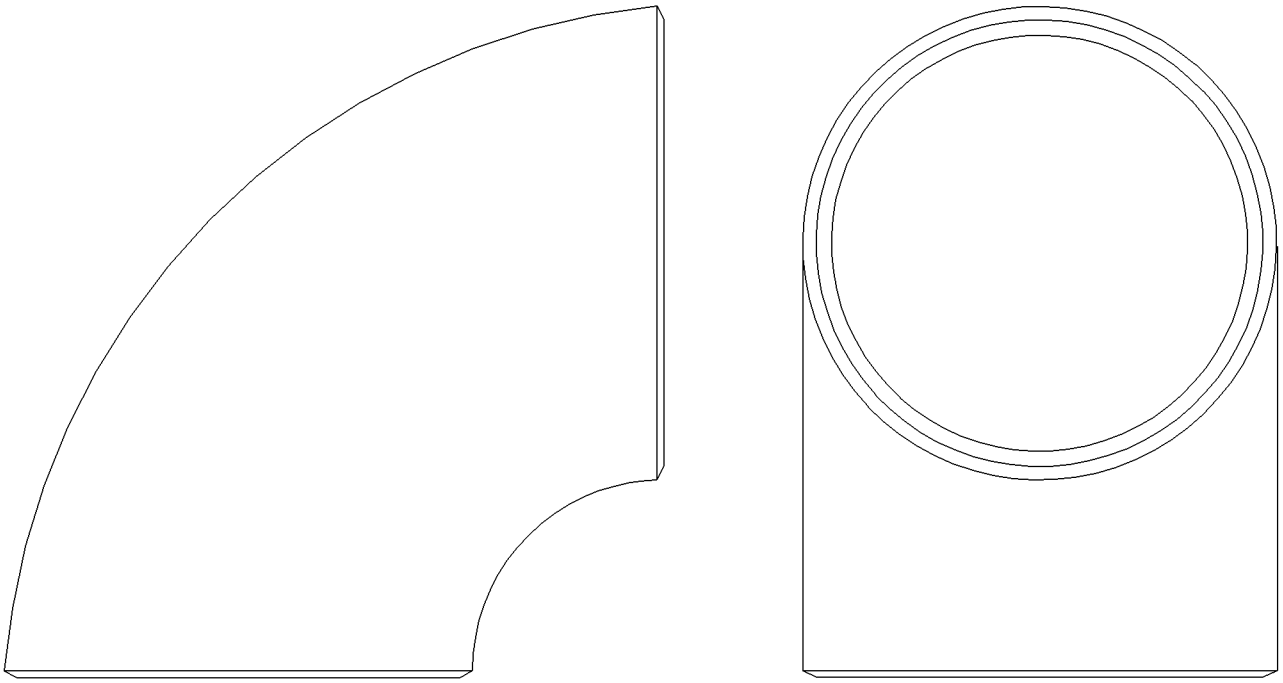
AIR INLET AND EXHAUST SYSTEM

2N-9263 ELBOW-EXHAUST

127-MM (5-INCH), 90-DEGREE BEND
FOR USE WITH 5L-7661—PAGE 625
AN ATTACHMENT

SMCS-1061 **i01376091**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00648631

AIR INLET AND EXHAUST SYSTEM

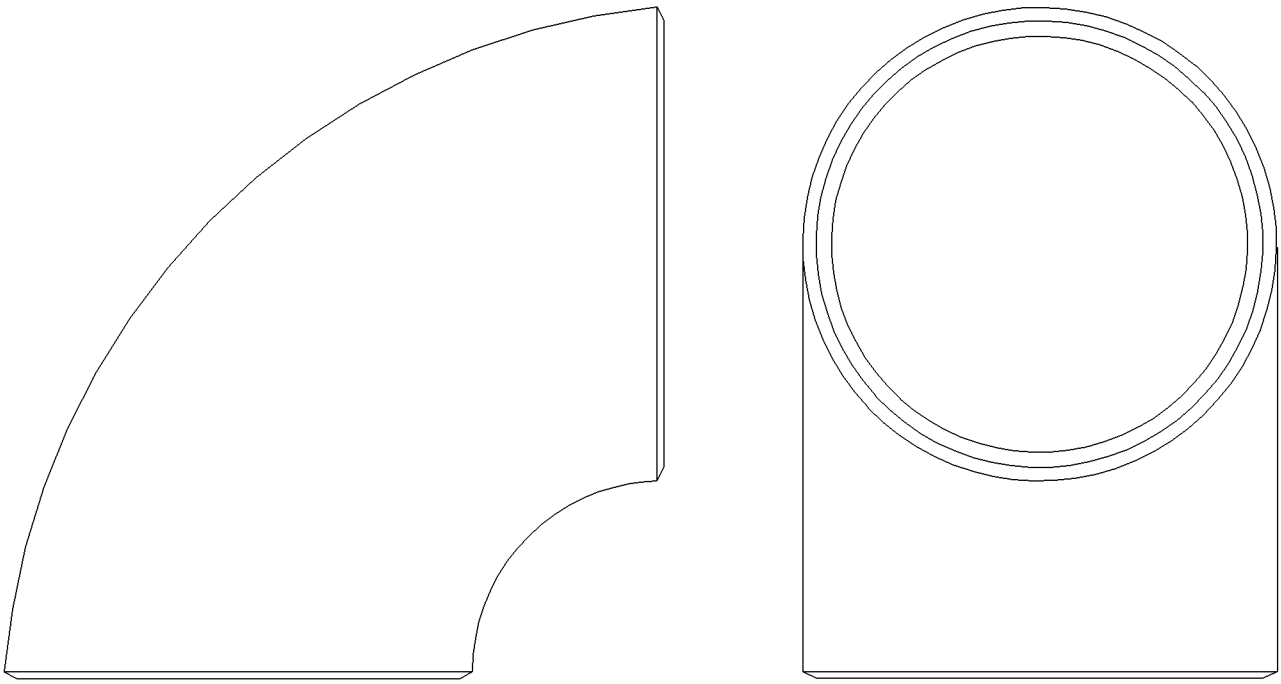
5L-7520 ELBOW-EXHAUST

8-IN

AN ATTACHMENT

SMCS-1061 **i01450469**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00648631

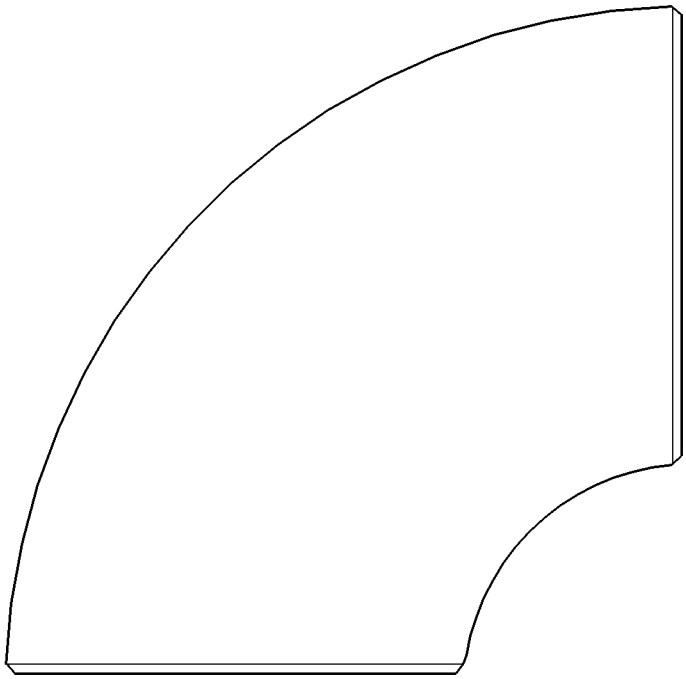
AIR INLET AND EXHAUST SYSTEM

8L-9859 ELBOW-EXHAUST

152.4-MM (6-INCH) PIPE
AN ATTACHMENT

SMCS-1061 **i01373048**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00724697

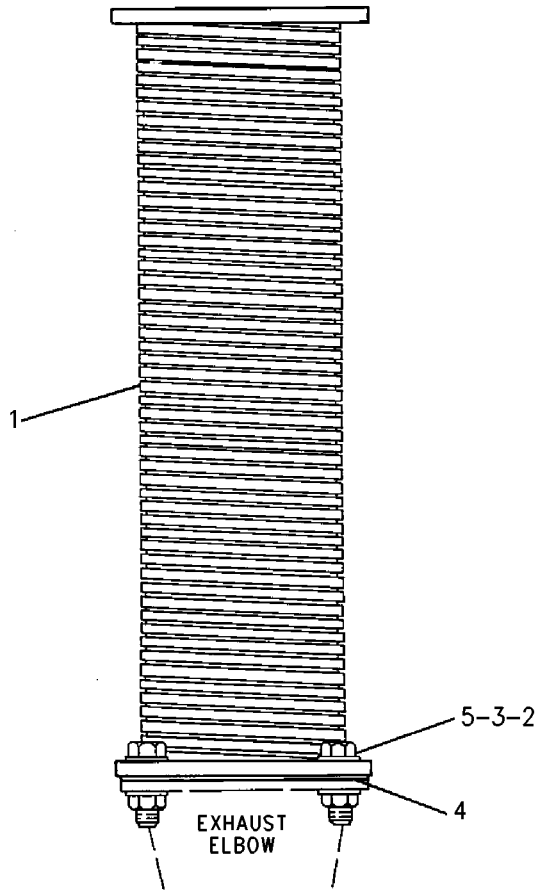
AIR INLET AND EXHAUST SYSTEM

2W-7846 FITTING GP-EXHAUST—FLEXIBLE

127-MM (5-INCH)
AN ATTACHMENT

SMCS-1061 **i02459981**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-3015**	1	ADAPTER AS (FLEXIBLE)	
		1	**5N-4741**	2	FLANGE	
		1	**5N-4742**	1	HOSE-EXHAUST	
	2	1	**5P-8247**	8	WASHER-HARD (17X32X3.5-MM THK)	
	3	1	**1B-5358**	4	NUT-FULL (5/8-11-THD)	
	4	1	**5L-8484**	1	GASKET	
	5	1	**8S-9092**	4	BOLT (5/8-11X2.25-IN)	



GRAPHIC #1 **<END>** g00657424

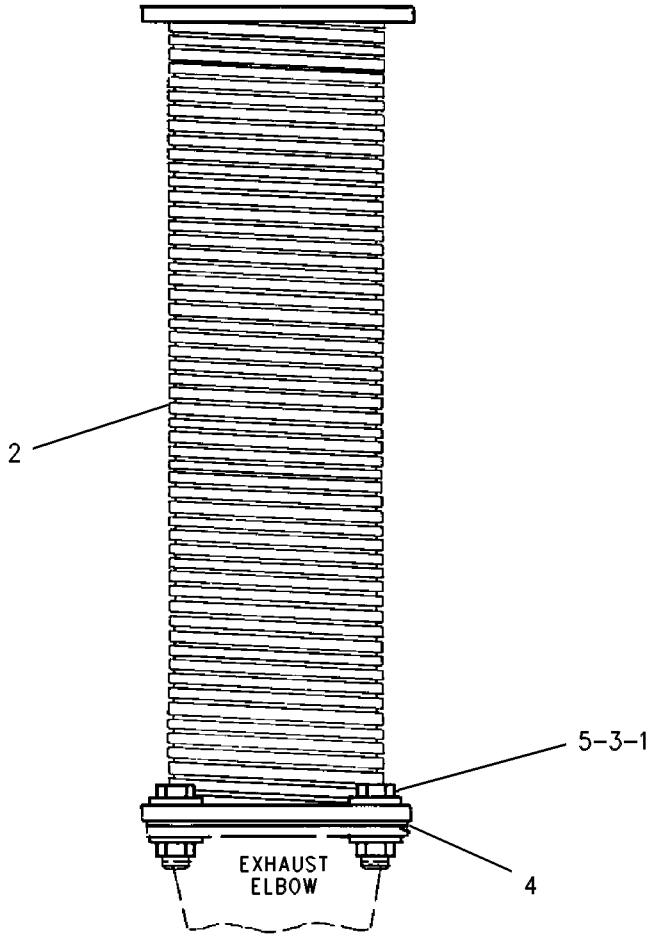
AIR INLET AND EXHAUST SYSTEM

2W-7847 FITTING GP-EXHAUST–FLEXIBLE

152-MM (6-INCH)
AN ATTACHMENT

SMCS-1061 **i02459985**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-8247**	8	WASHER-HARD (17X32X3.5-MM THK)	
	2	1	**3N-3017**	1	ADAPTER AS (FLEXIBLE)	
		1	**5N-4739**	2	FLANGE	
	3	1	**1B-5358**	4	NUT-FULL (5/8-11-THD)	
	4	1	**5H-8331**	1	GASKET	
	5	1	**8S-9092**	4	BOLT (5/8-11X2.25-IN)	



GRAPHIC #1 **<END>** g00617939

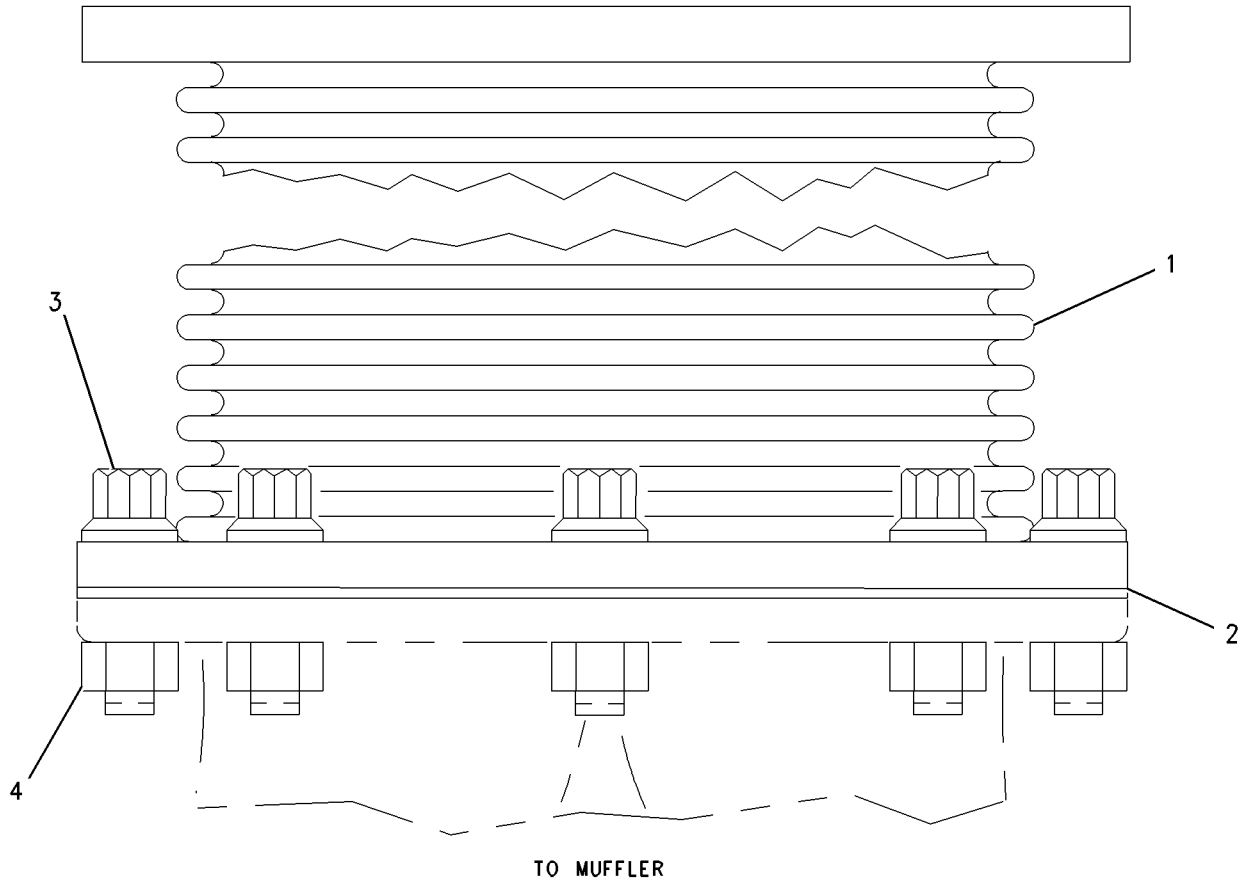
AIR INLET AND EXHAUST SYSTEM

2W-7848 FITTING GP-EXHAUST

203-MM (8-IN). FLEXIBLE
AN ATTACHMENT

SMCS-1061 **i02729078**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**214-6045**	1	BELLOWS AS	
	2	1	**5L-3773**	1	GASKET-EXHAUST ELBOW	
	3	1	**5P-5855**	8	BOLT-12 POINT HEAD (1/2-13X1.75-IN)	
	4	1	**1B-5357**	8	NUT-FULL (1/2-13-THD)	



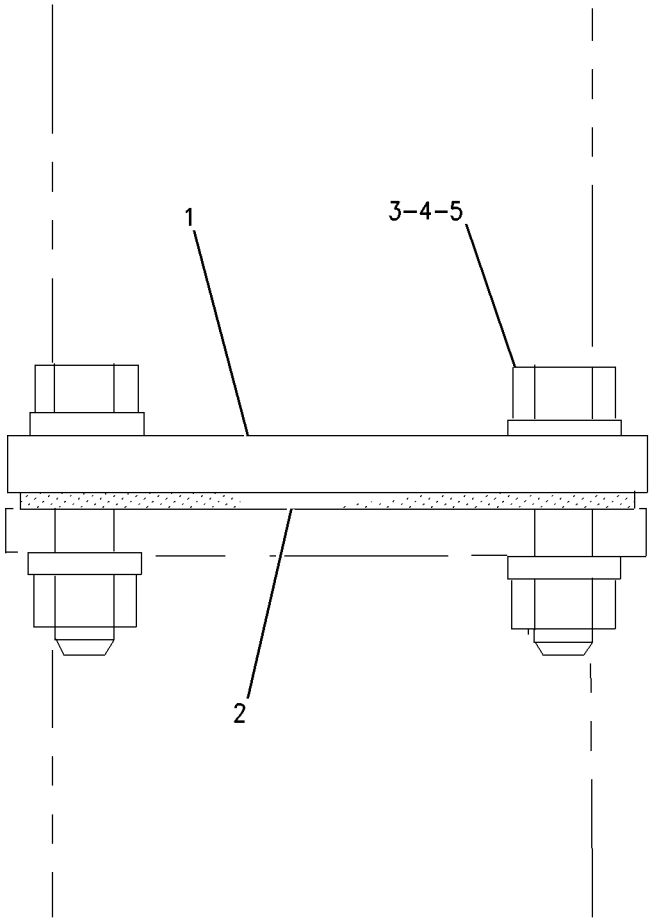
GRAPHIC #1 **<END>** g00768725

2W-7850 FLANGE GP-EXHAUST

127-MM (5-INCH) DIAMETER PIPE
FOR USE WITH 2N-9263—PAGE 629
AN ATTACHMENT

SMCS-1061 **i02544109**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-4741**	1	FLANGE	
	2	1	**5L-8484**	1	GASKET	
	3	1	**202-9008**	4	BOLT (5/8-11X2-IN)	
	4	1	**1B-5358**	4	NUT-FULL (5/8-11-THD)	
	5	1	**8T-4122**	8	WASHER-HARD (17X32X3.5-MM THK)	



GRAPHIC #1 **<END>** g00783319

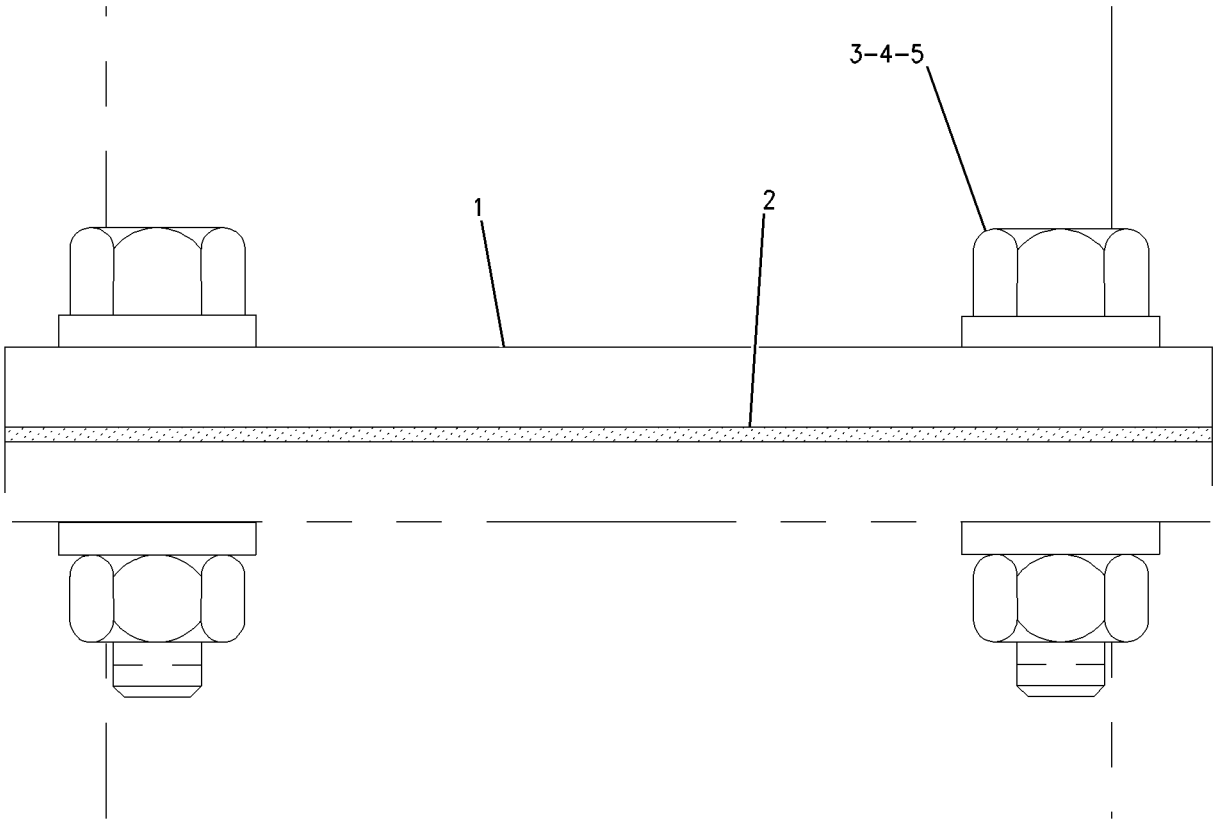
AIR INLET AND EXHAUST SYSTEM

2W-7851 FLANGE GP-EXHAUST

152-MM (6-INCH) DIAMETER PIPE
FOR USE WITH EXHAUST PIPE AND ELBOW, 8L-9859—PAGE 631. CANNOT BE USED WITH WATERCOOLED EXHAUST ELBOW
AN ATTACHMENT

SMCS-1061 **i02460004**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-4739**	1	FLANGE	
	2	1	**5H-8331**	1	GASKET	
	3	1	**1A-1135**	4	BOLT (5/8-11X2-IN)	
	4	1	**1B-5358**	4	NUT-FULL (5/8-11-THD)	
	5	1	**5P-8247**	8	WASHER-HARD (17X32X3.5-MM THK)	



GRAPHIC #1 **<END>** g00768712

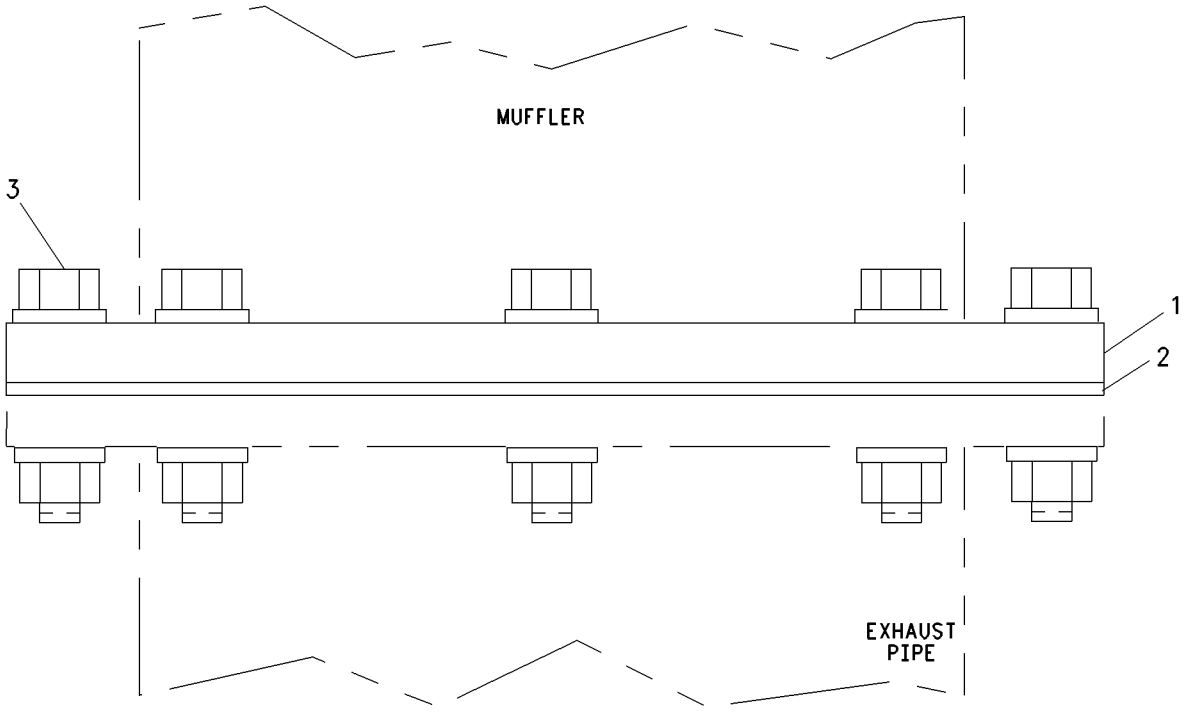
AIR INLET AND EXHAUST SYSTEM

2W-7863 FLANGE GP-EXHAUST

203-MM (8-INCH) DIAMETER PIPE
AN ATTACHMENT

SMCS-1061 **i01837207**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2W-7864**	1	FLANGE-EXHAUST	
	2	1	**2W-7865**	1	GASKET-EXHAUST	
	3	1	**5L-4398**	8	BOLT (1/2-13X2.25-IN)	
		1	**1B-5357**	8	NUT-FULL (1/2-13-THD)	
		1	**5P-8245**	16	WASHER-HARD (13.5X25.5X3-MM THK)	



GRAPHIC #1 **<END>** g00938529

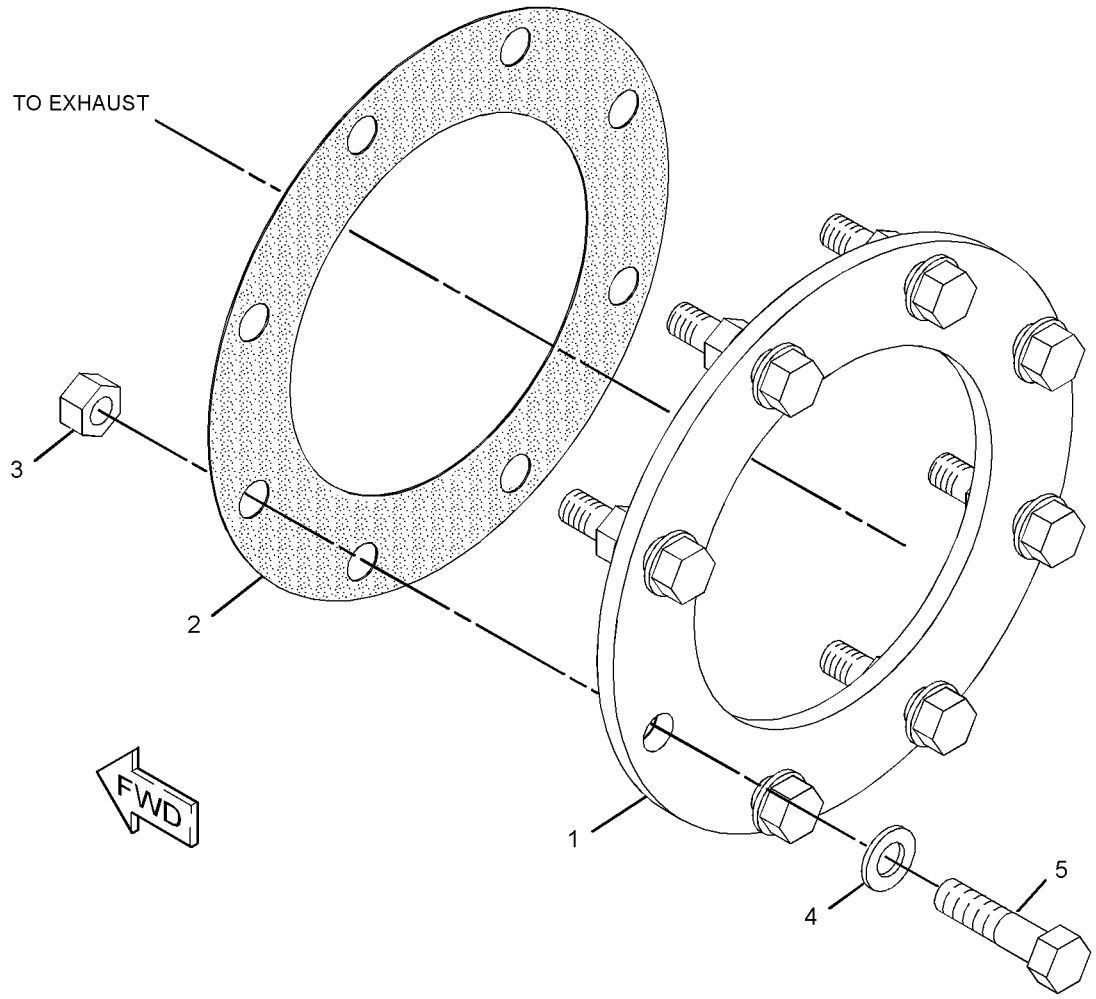
AIR INLET AND EXHAUST SYSTEM

254-9220 FLANGE GP-EXHAUST

FOR USE WITH ENGINES REQUIRED TO MEET THE EPA'S HAP'S REGULATIONS FOR JANUARY 2004. , ALSO FOR RETROFIT ENGINE APPLICATION WHERE REDUCED EMISSIONS ARE REQUIRED OR DESIRED.
AN ATTACHMENT

SMCS-1061 **i02413308**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**250-8519**	1	FLANGE	
	2	1	**255-0887**	1	GASKET	
	3	1	**2J-3506**	8	NUT-FULL (3/4-10-THD)	
	4	1	**5P-8248**	16	WASHER-HARD (20X36.5X3.5-MM THK)	
	5	1	**9X-8887**	8	BOLT (3/4-10X3-IN)	



GRAPHIC #1 **<END>** g01208305

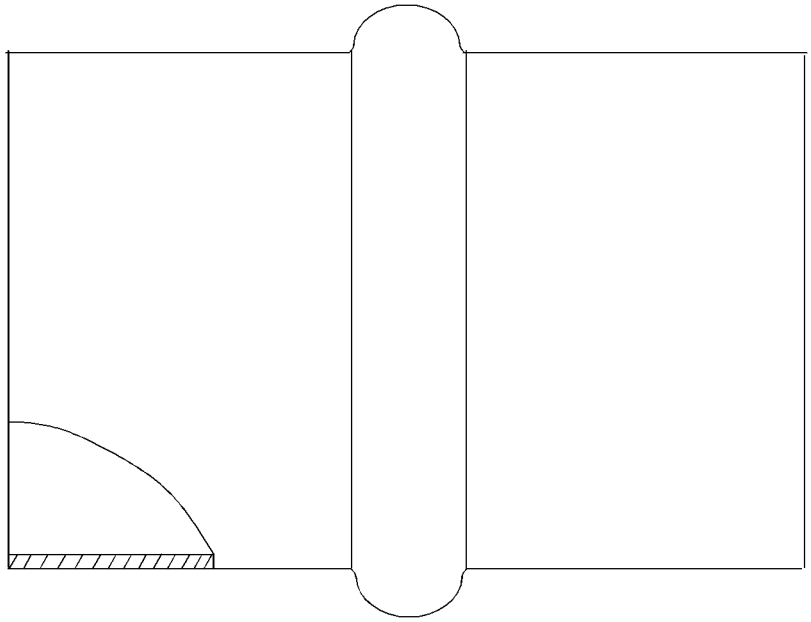
AIR INLET AND EXHAUST SYSTEM

7E-8630 HOSE-AIR INLET

101.6-MM ID
AN ATTACHMENT

SMCS-1087 **i02119185**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g01079613

AIR INLET AND EXHAUST SYSTEM

116-5399 KIT-EXHAUST PARTS

TURBO EXHAUST FLANGE CLAMP
CANNOT BE USED WITH WASTEGATED TURBOCHARGERS
AN ATTACHMENT

SMCS-1061 **i02697871**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	4W-9160	1	CLAMP-V BAND	

<END>

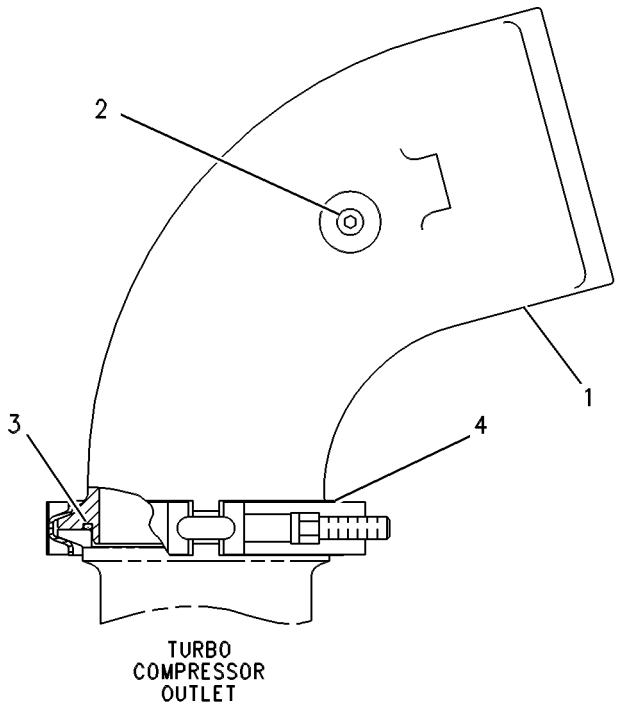
126-0076 LINES GP-AIR–TURBOCHARGER OUTLET

75 DEGREE OUTLET ELBOW

AN ATTACHMENT

SMCS-1071 **i02426408**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**126-0073**	1	ELBOW	
	2	1	**8T-6757**	1	PLUG-PIPE (1/8-27 NPTF THD)	
	3	1	**8C-3089**	1	SEAL-O-RING (88.22-MM ID)	
	4	1	**127-0929**	1	CLAMP	



GRAPHIC #1 **<END>** g00251433

AIR INLET AND EXHAUST SYSTEM

126-0079 LINES GP-AIR—TURBOCHARGER OUTLET

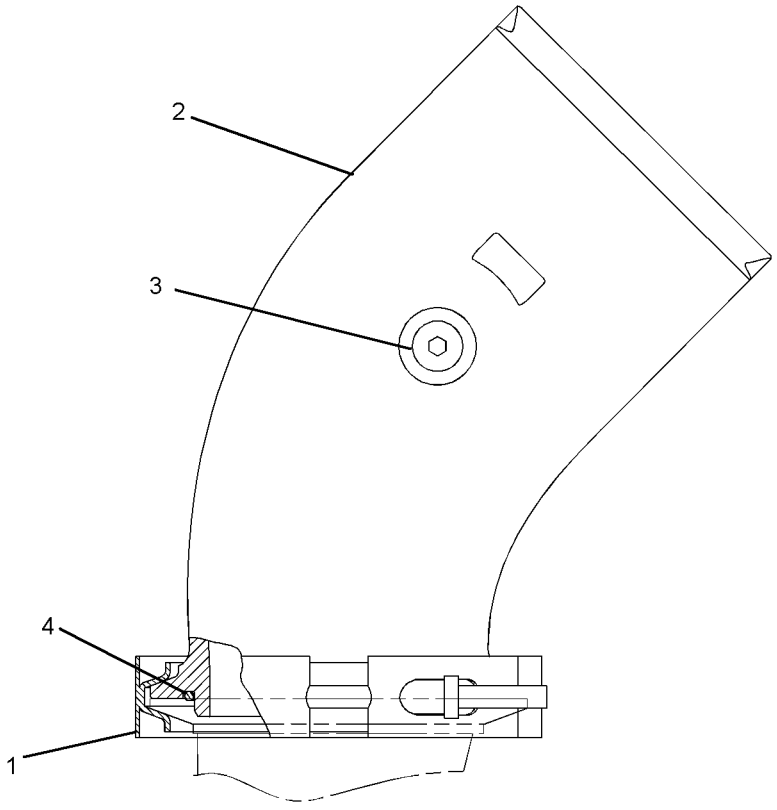
45 DEGREE OUTLET ELBOW

AN ATTACHMENT

SMCS-1071 **i02409077**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**127-0929**	1	CLAMP	
C	2	1	**217-8947**	1	ELBOW (AFTERCOOLER, OUTLET)	
	3	1	*183-3409*	1	PLUG AS	
		1	**9S-8002**	1	PLUG-O-RING	
		1	**033-5853**	1	SEAL-O-RING	
	4	1	**8C-3089**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01186397

126-0081 LINES GP-AIR—TURBOCHARGER OUTLET

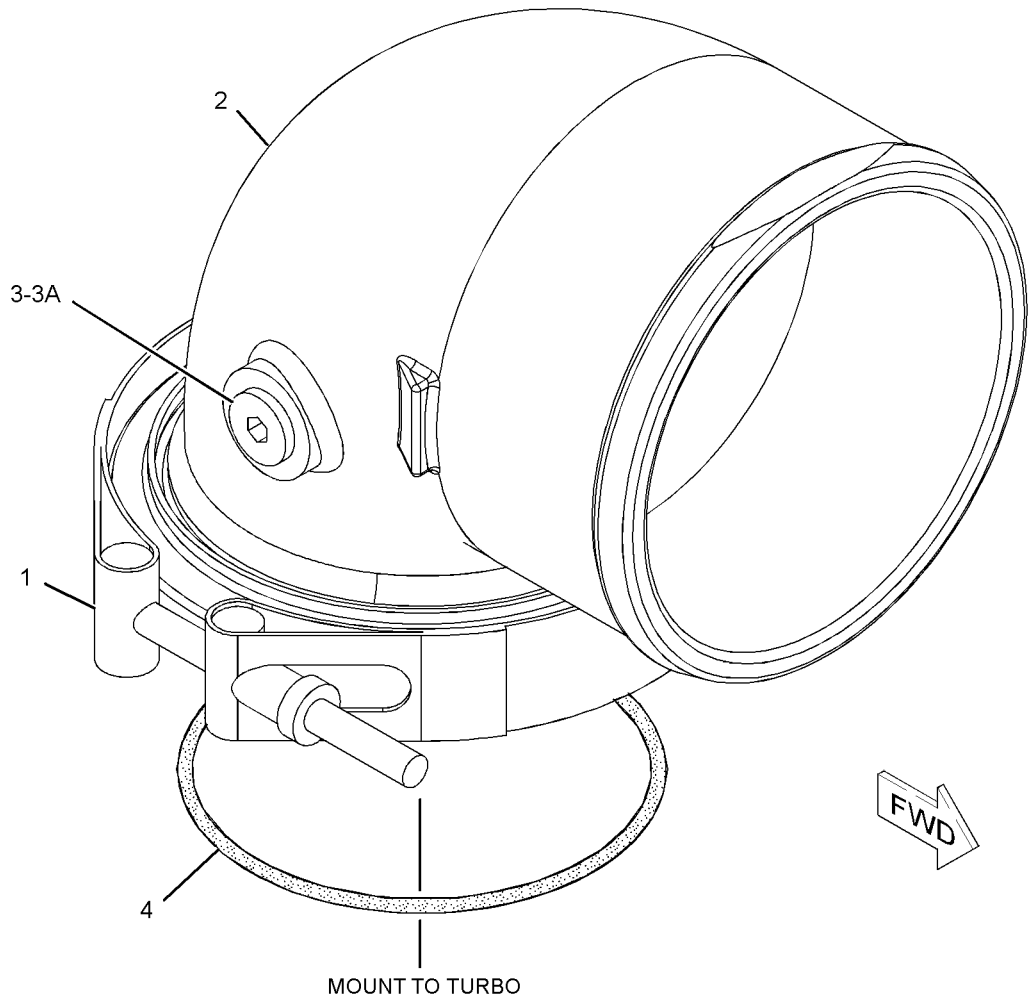
90 DEGREE OUTLET ELBOW

AN ATTACHMENT

SMCS-1071 **i02305444**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**127-0929**	1	CLAMP	
C	2	1	**217-8946**	1	ELBOW	
C	3	1	*183-3409*	1	PLUG AS	
	3A	1	**033-5853**	1	SEAL-O-RING	
		1	**9S-8002**	1	PLUG-O-RING	
	4	1	**8C-3089**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01154678

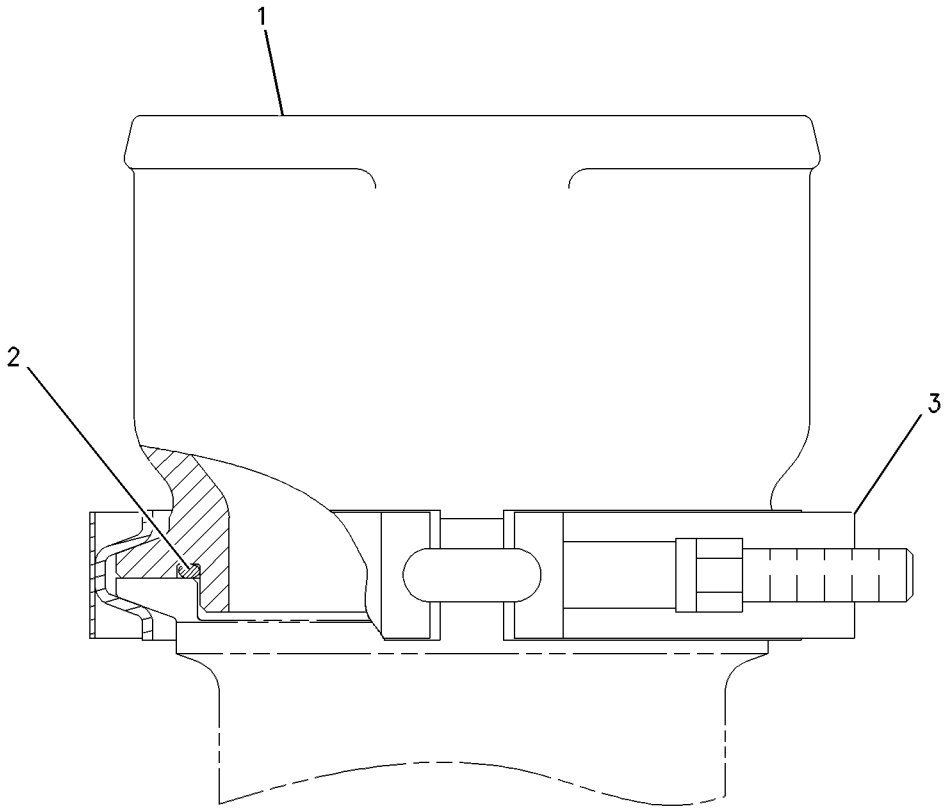
AIR INLET AND EXHAUST SYSTEM

161-1052 LINES GP-AIR—TURBOCHARGER OUTLET

AN ATTACHMENT

SMCS-1071 **i02426114**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**129-6400**	1	ADAPTER	
	2	1	**8C-3089**	1	SEAL-O-RING (82.22-MM ID)	
	3	1	**127-0929**	1	CLAMP	



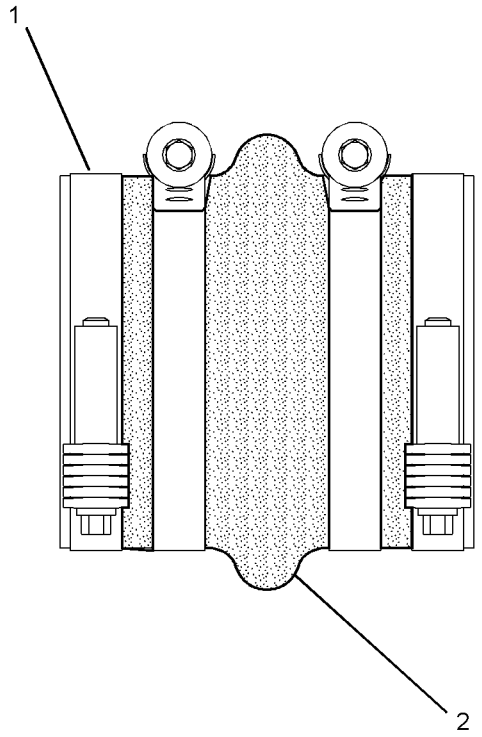
GRAPHIC #1 **<END>** g00507728

184-5367 LINES GP-AIR–AFTERCOOLER

AN ATTACHMENT

SMCS-1071 **i02558913**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-2201**	4	CLAMP-HOSE	
	2	1	**7E-8630**	1	HOSE-AIR INLET	



GRAPHIC #1 **<END>** g01280927

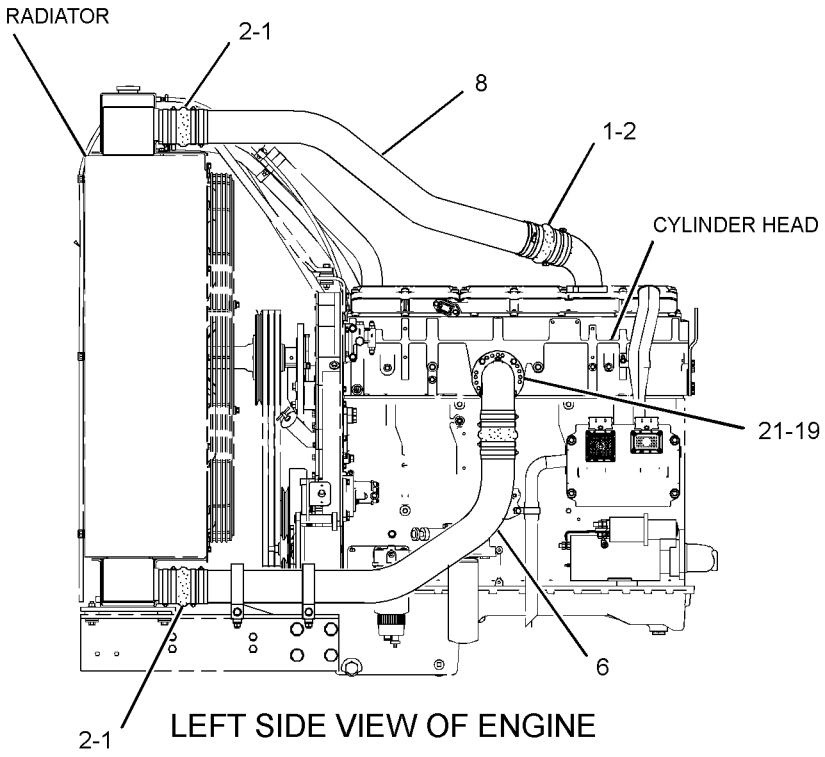
AIR INLET AND EXHAUST SYSTEM

237-4297 LINES GP-AIR

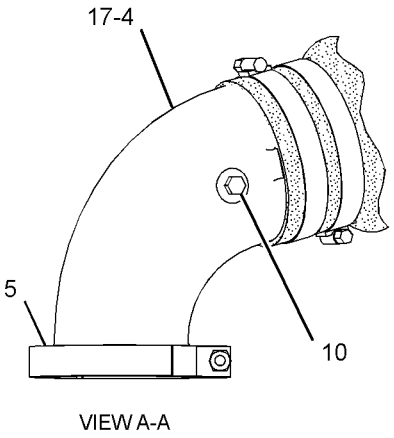
FOR USE WITH FRONT EXHAUST TURBO RADIATOR PACKAGE. CANNOT BE USED WITH TWIN TURBO CONFIGURATION
AN ATTACHMENT

SMCS-1071 **i03574351**

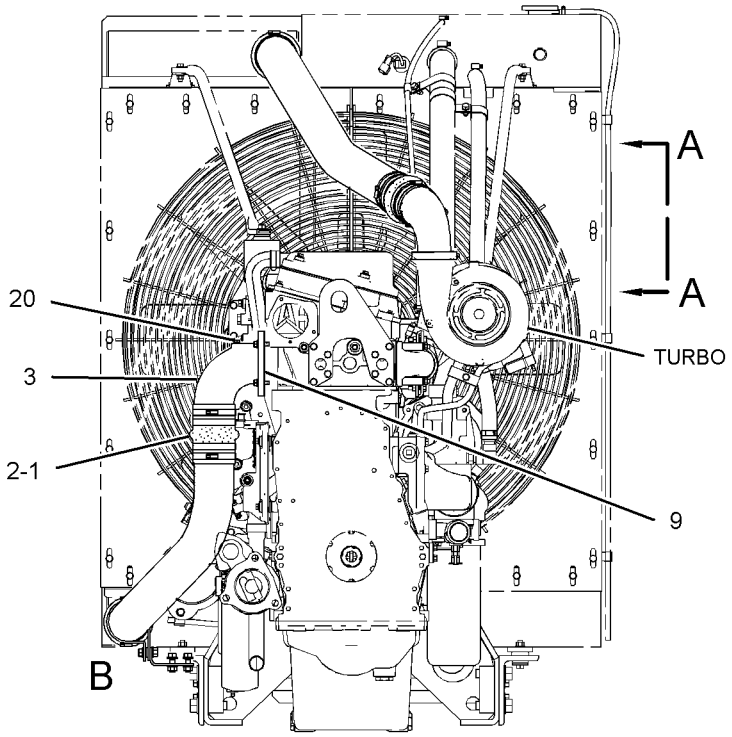
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7E-8630**	4	HOSE-AIR INLET	
	2	1	**9X-2201**	16	CLAMP-HOSE	
	3	1	**109-4203**	1	ELBOW	
	4	1	**126-0073**	1	ELBOW	
	5	1	**127-0929**	1	CLAMP	
	6	1	**228-4381**	1	TUBE	
	7	1	**228-7796**	2	BRACKET	
	8	1	**237-4302**	1	TUBE	
	9	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	10	1	**5M-6214**	1	PLUG-PIPE	
	11	1	**5P-2566**	6	BOLT (1/2-13X1.5-IN)	
	13	1	**6V-6782**	2	CLIP (SLOT)	
	14	1	**6V-6783**	2	CLIP (TAB)	
	15	1	**6V-8188**	6	NUT (1/2-13-THD)	
	17	1	**8C-3089**	1	SEAL-O-RING	
	18	1	**8T-4223**	12	WASHER-HARD (13.5X25.5X3-MM THK)	
	19	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	20	1	**8T-6765**	1	PLUG-PIPE	
	21	1	**9B-7237**	4	BOLT (3/8-16X1.25-IN)	
	22	1	**8T-7971**	2	WASHER-HARD (13.5X25.5X5-MM THK)	



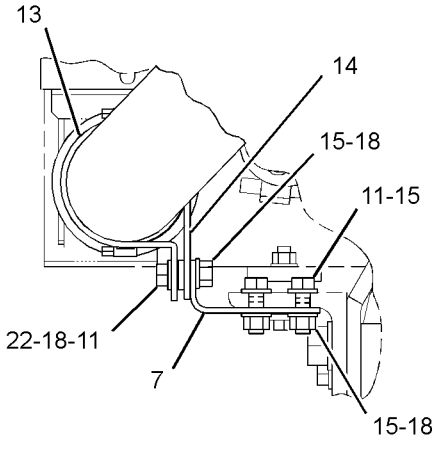
LEFT SIDE VIEW OF ENGINE



VIEW A-A



REAR VIEW OF ENGINE



VIEW OF AREA B

GRAPHIC #1 **<END>** g01948143

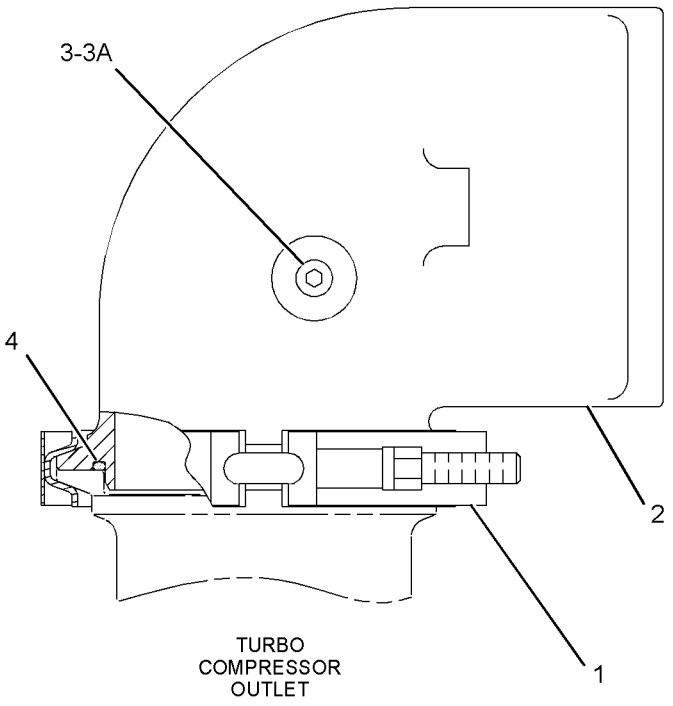
AIR INLET AND EXHAUST SYSTEM

237-9754 LINES GP-AIR—TURBOCHARGER OUTLET

AN ATTACHMENT

SMCS-1071 **i02538346**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**127-0929**	1	CLAMP	
	2	1	**217-8946**	1	ELBOW	
	3	1	*183-3409*	1	PLUG AS	
	3A	1	**033-5853**	1	SEAL-O-RING	
		1	**9S-8002**	1	PLUG-O-RING	
	4	1	**8C-3089**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g01158720

AIR INLET AND EXHAUST SYSTEM

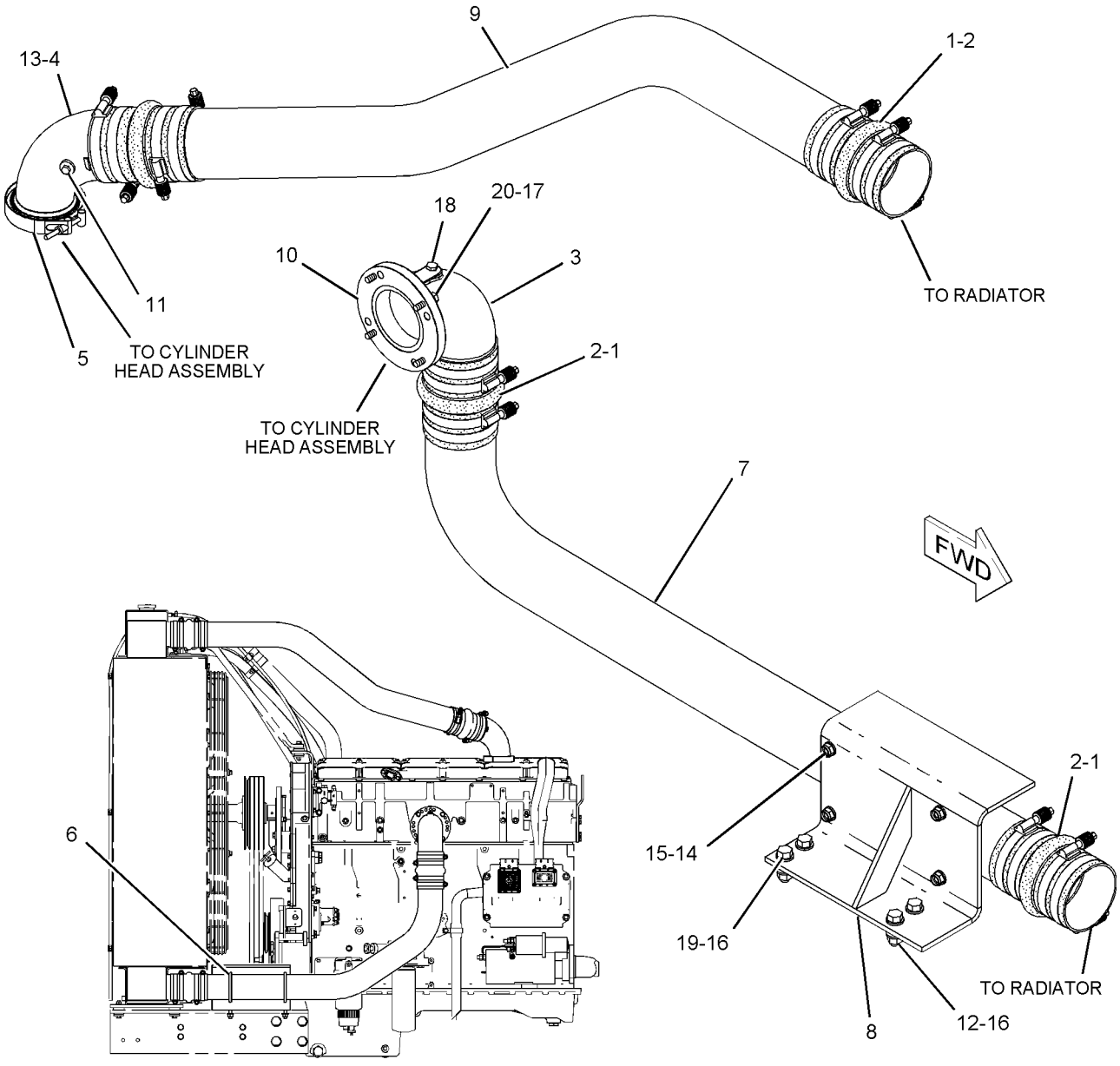
256-6171 LINES GP-AIR

101.6-MM (4-INCH) DIAMETER TUBE
FOR USE WITH RADIATOR GROUP FORWARD FACING EXHAUST. CANNOT BE USED WITH TWIN TURBO CONFIGURATION
AN ATTACHMENT

SMCS-1071 **i02147118**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7E-8630**	4	HOSE-AIR INLET	
	2	1	**9X-2201**	16	CLAMP-HOSE	
	3	1	**109-4203**	1	ELBOW	
	4	1	**126-0073**	1	ELBOW	
	5	1	**127-0929**	1	CLAMP	
		1	**8T-0122**	1	NUT-FULL (1/4-28-THD)	
	6	1	**177-0035**	2	U-BOLT (M10X1.5-THD)	
	7	1	**228-4381**	1	TUBE	
	8	1	**228-4386**	1	BRACKET AS	
	9	1	**237-4302**	1	TUBE	
	10	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	11	1	**5M-6214**	1	PLUG-PIPE	
	12	1	**6V-8188**	4	NUT (1/2-13-THD)	
	13	1	**8C-3089**	1	SEAL-O-RING	
M	14	1	**8T-0389**	4	LOCKNUT (M10X1.5-THD)	
	15	1	**8T-4121**	4	WASHER-HARD (11X21X2.5-MM THK)	
	16	1	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	17	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	18	1	**8T-6765**	1	PLUG-PIPE	
	19	1	**8T-8919**	4	BOLT (1/2-13X1.75-IN)	
	20	1	**9B-7237**	4	BOLT (3/8-16X1.25-IN)	

M-METRIC PART



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01086935

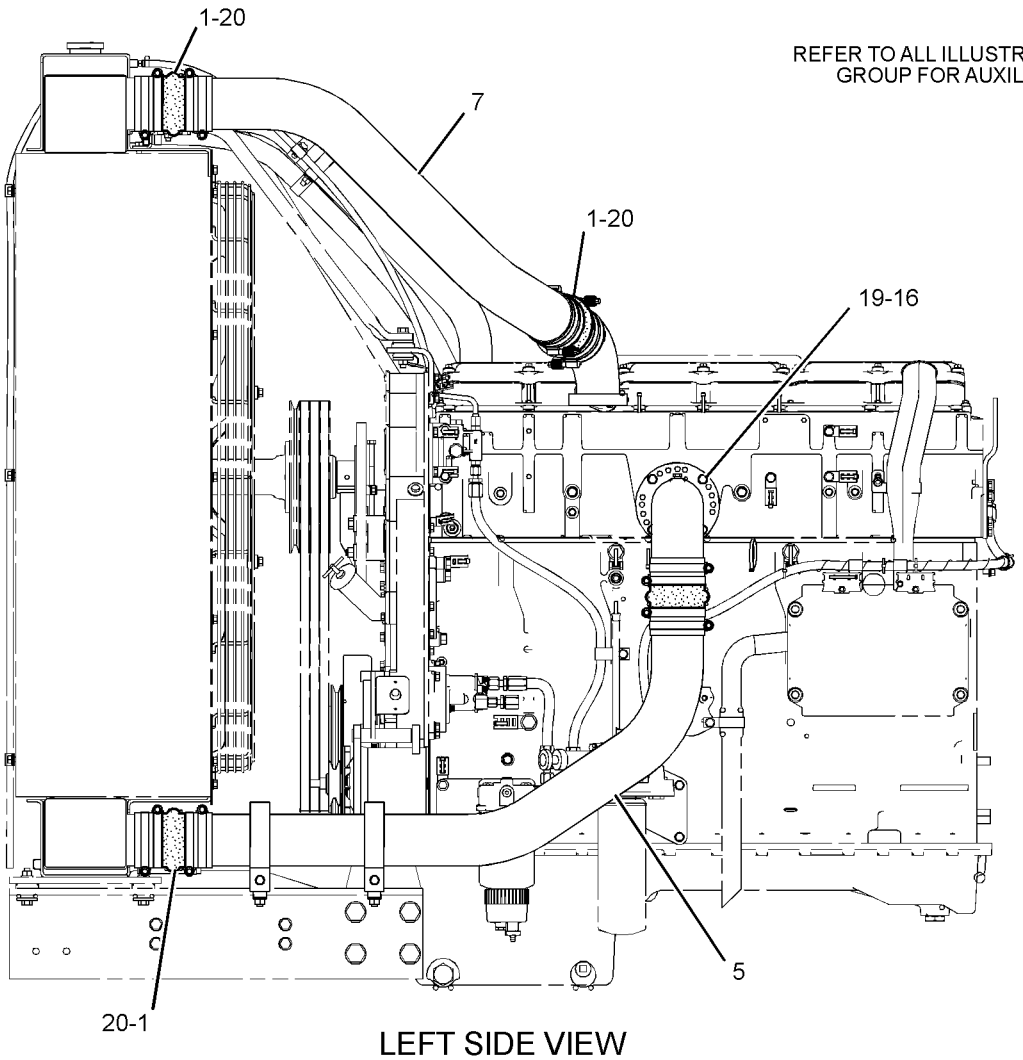
AIR INLET AND EXHAUST SYSTEM

256-6172 LINES GP-AIR

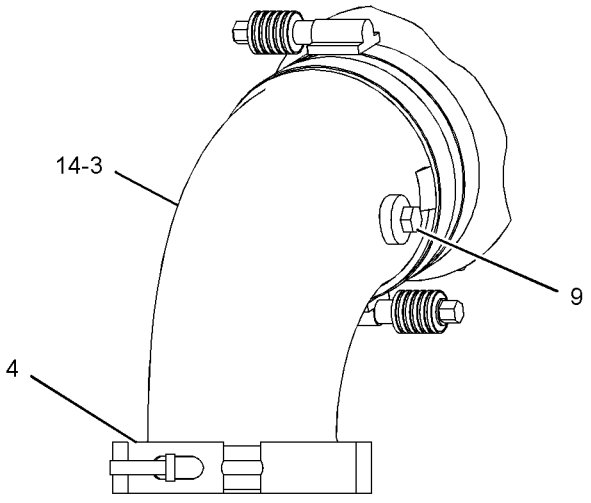
101.6-MM (4-INCH) DIAMETER TUBE
FOR USE WITH RADIATOR GROUP REAR FACING EXHAUST
AN ATTACHMENT

SMCS-1071 **i03580233**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**7E-8630**	4	HOSE-AIR INLET	
	2	2	**109-4203**	1	ELBOW	
	3	1	**126-0073**	1	ELBOW	
	4	1	**127-0929**	1	CLAMP	
	5	1	**228-4381**	1	TUBE	
	6	2	**228-7796**	2	BRACKET	
	7	1	**256-6173**	1	TUBE	
	8	2	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	9	1	**5M-6214**	1	PLUG-PIPE	
	10	2	**5P-2566**	6	BOLT (1/2-13X1.5-IN)	
	11	2	**6V-6782**	2	CLIP (SLOT)	
	12	2	**6V-6783**	2	CLIP (TAB)	
	13	2	**6V-8188**	6	NUT (1/2-13-THD)	
	14	1	**8C-3089**	1	SEAL-O-RING	
	15	2	**8T-4223**	12	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	17	2	**8T-6765**	1	PLUG-PIPE	
	18	2	**8T-7971**	2	WASHER-HARD (13.5X25.5X5-MM THK)	
	19	1	**9B-7237**	4	BOLT (3/8-16X1.25-IN)	
	20	1,2	**9X-2201**	16	CLAMP-HOSE	

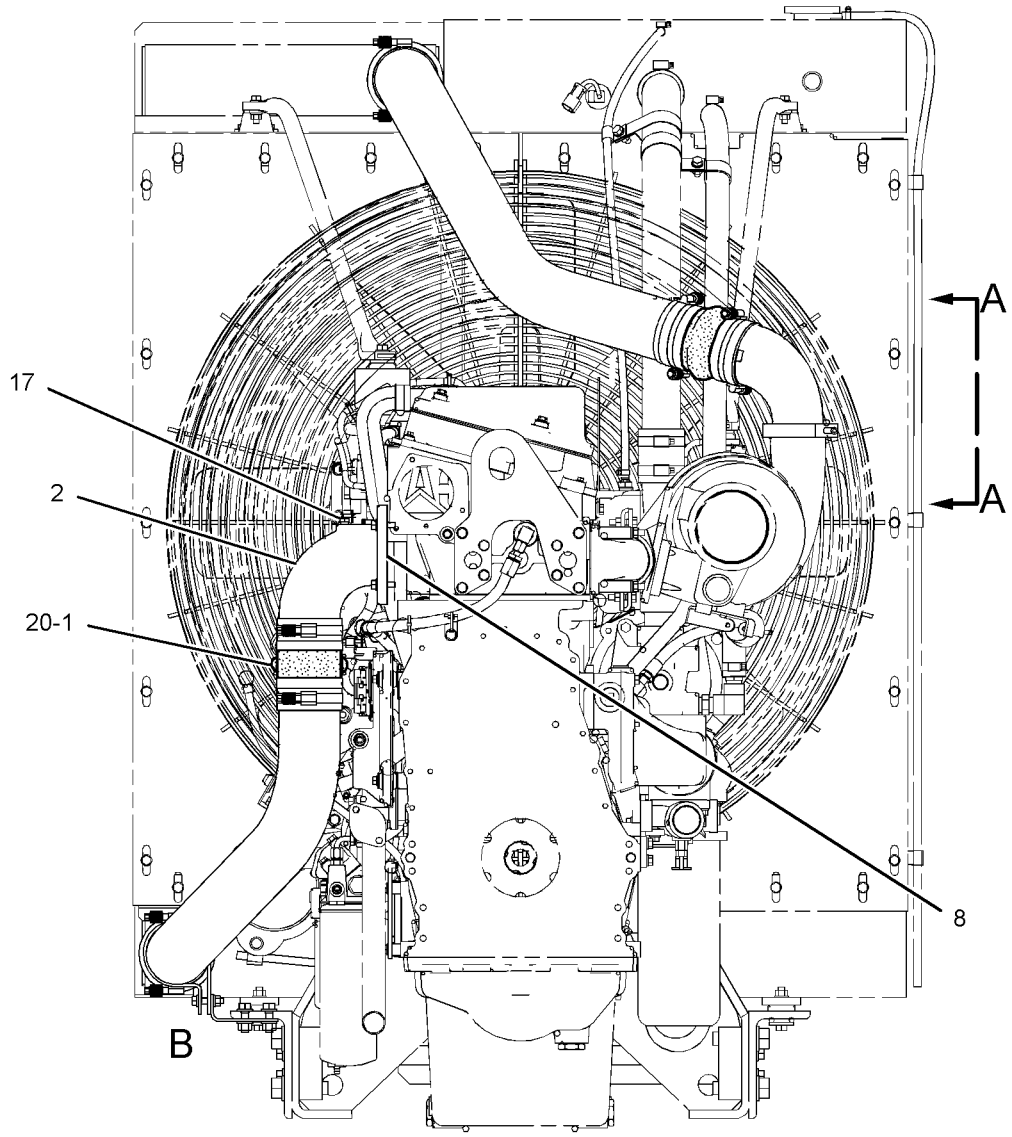


LEFT SIDE VIEW

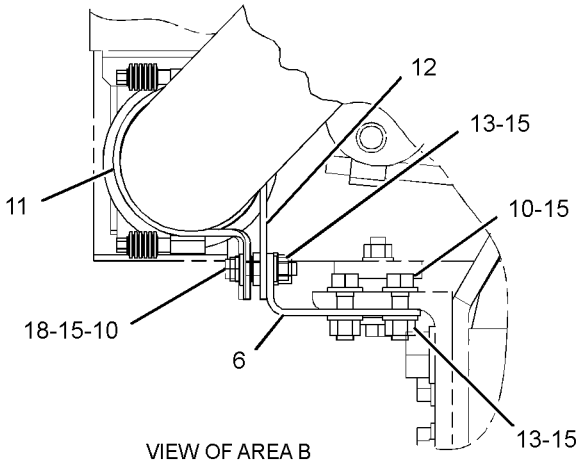


VIEW A-A

GRAPHIC #1 g01908637



REAR VIEW



VIEW OF AREA B

GRAPHIC #2 **<END>** g01908636

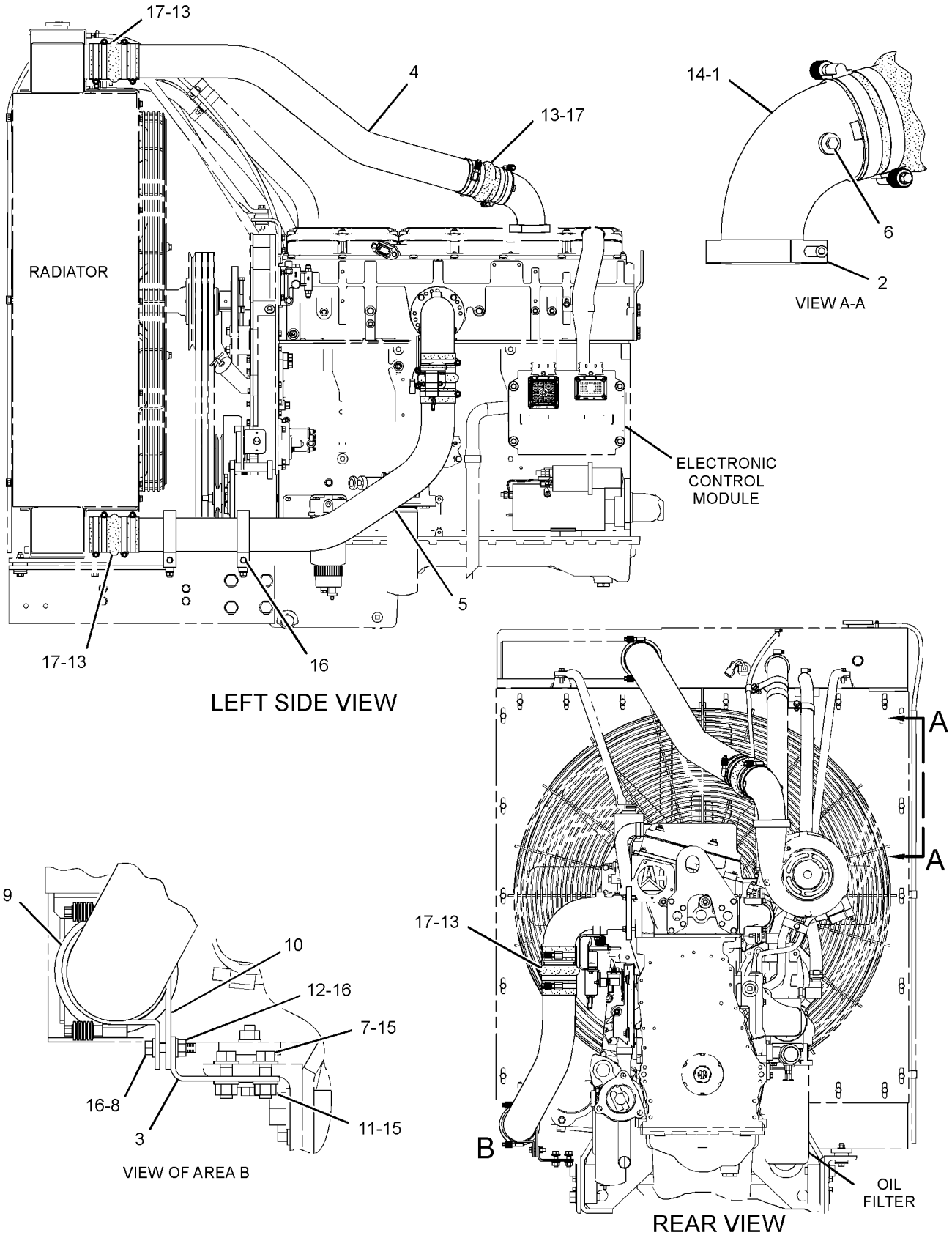
AIR INLET AND EXHAUST SYSTEM

274-7411 LINES GP-AIR

AN ATTACHMENT

SMCS-1071 **i02509986**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**126-0073**	1	ELBOW	
	2	1	**127-0929**	1	CLAMP	
	3	1	**228-7796**	2	BRACKET	
	4	1	**237-4302**	1	TUBE	
	5	1	**274-7412**	1	TUBE	
	6	1	**5M-6214**	1	PLUG-PIPE	
	7	1	**5P-2566**	4	BOLT (1/2-13X1.5-IN)	
	8	1	**5S-7383**	2	BOLT (3/8-16X1.75-IN)	
	9	1	**6V-6782**	2	CLIP (SLOT)	
	10	1	**6V-6783**	2	CLIP (TAB)	
	11	1	**6V-8188**	4	NUT (1/2-13-THD)	
	12	1	**6V-8801**	2	NUT (3/8-16-THD)	
	13	1	**7E-8630**	4	HOSE-AIR INLET	
	14	1	**8C-3089**	1	SEAL-O-RING	
	15	1	**8T-4223**	8	WASHER-HARD (13.5X25.5X3-MM THK)	
	16	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	17	1	**9X-2201**	16	CLAMP-HOSE	



GRAPHIC #1 **<END>** g01259522

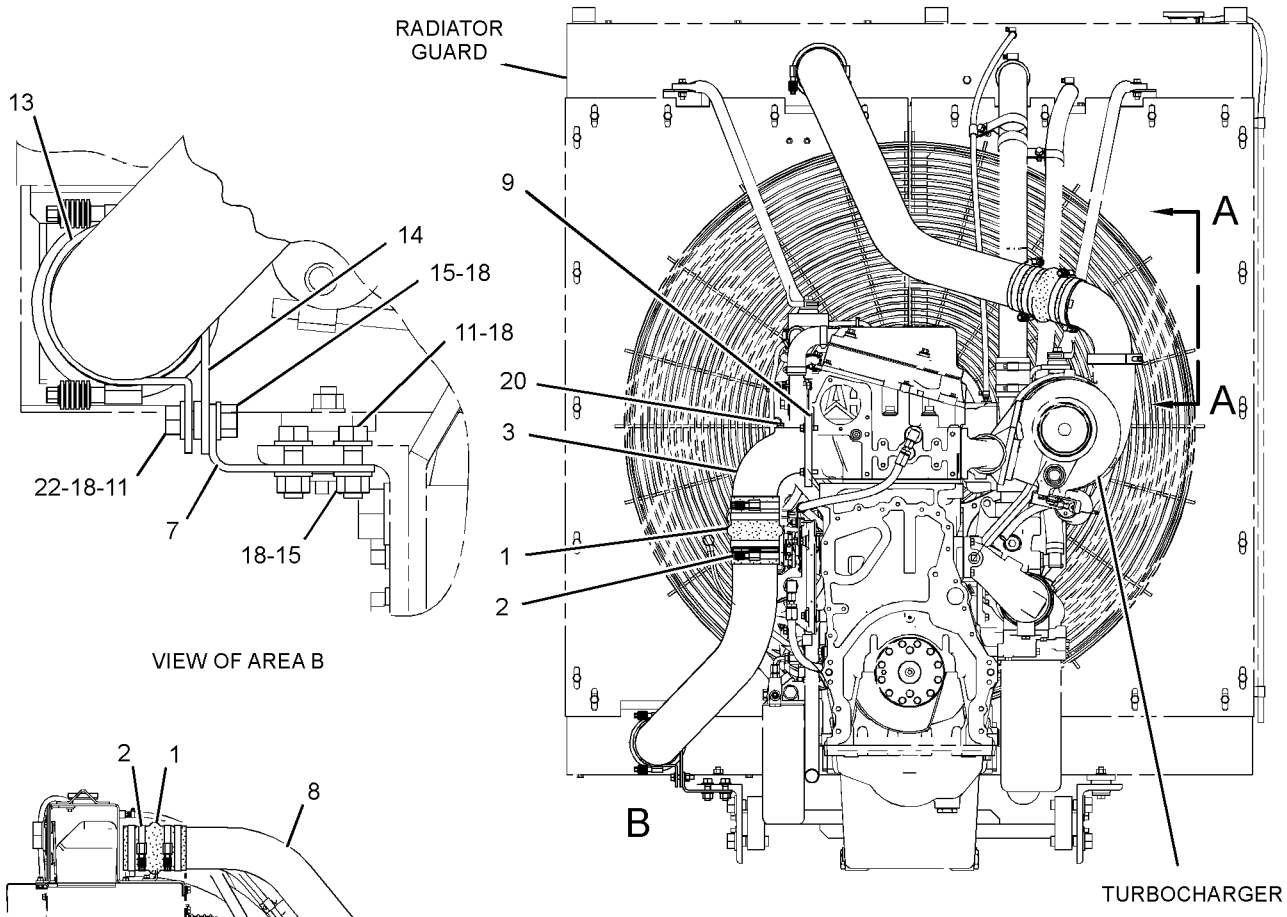
AIR INLET AND EXHAUST SYSTEM

303-1257 LINES GP-AIR

FOR USE WITH SINGLE TURBO GP (REAR TURBO EXHAUST), RADIATOR GP AN ATTACHMENT

SMCS-1071 **i03568367**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7E-8630**	4	HOSE-AIR INLET	
	2	1	**9X-2201**	16	CLAMP-HOSE	
	3	1	**109-4203**	1	ELBOW	
	4	1	**126-0073**	1	ELBOW	
	5	1	**127-0929**	1	CLAMP	
	6	1	**228-4381**	1	TUBE	
	7	1	**228-7796**	2	BRACKET	
	8	1	**303-1258**	1	TUBE	
	9	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	10	1	**5M-6214**	1	PLUG-PIPE	
	11	1	**5P-2566**	6	BOLT (1/2-13X1.5-IN)	
	13	1	**6V-6782**	2	CLIP (SLOT)	
	14	1	**6V-6783**	2	CLIP (TAB)	
	15	1	**6V-8188**	6	NUT (1/2-13-THD)	
	17	1	**8C-3089**	1	SEAL-O-RING	
	18	1	**8T-4223**	12	WASHER-HARD (13.5X25.5X3-MM THK)	
	19	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	20	1	**8T-6765**	1	PLUG-PIPE	
	21	1	**9B-7237**	4	BOLT (3/8-16X1.25-IN)	
	22	1	**8T-7971**	2	WASHER-HARD (13.5X25.5X5-MM THK)	



GRAPHIC #1 **<END>** g01942715

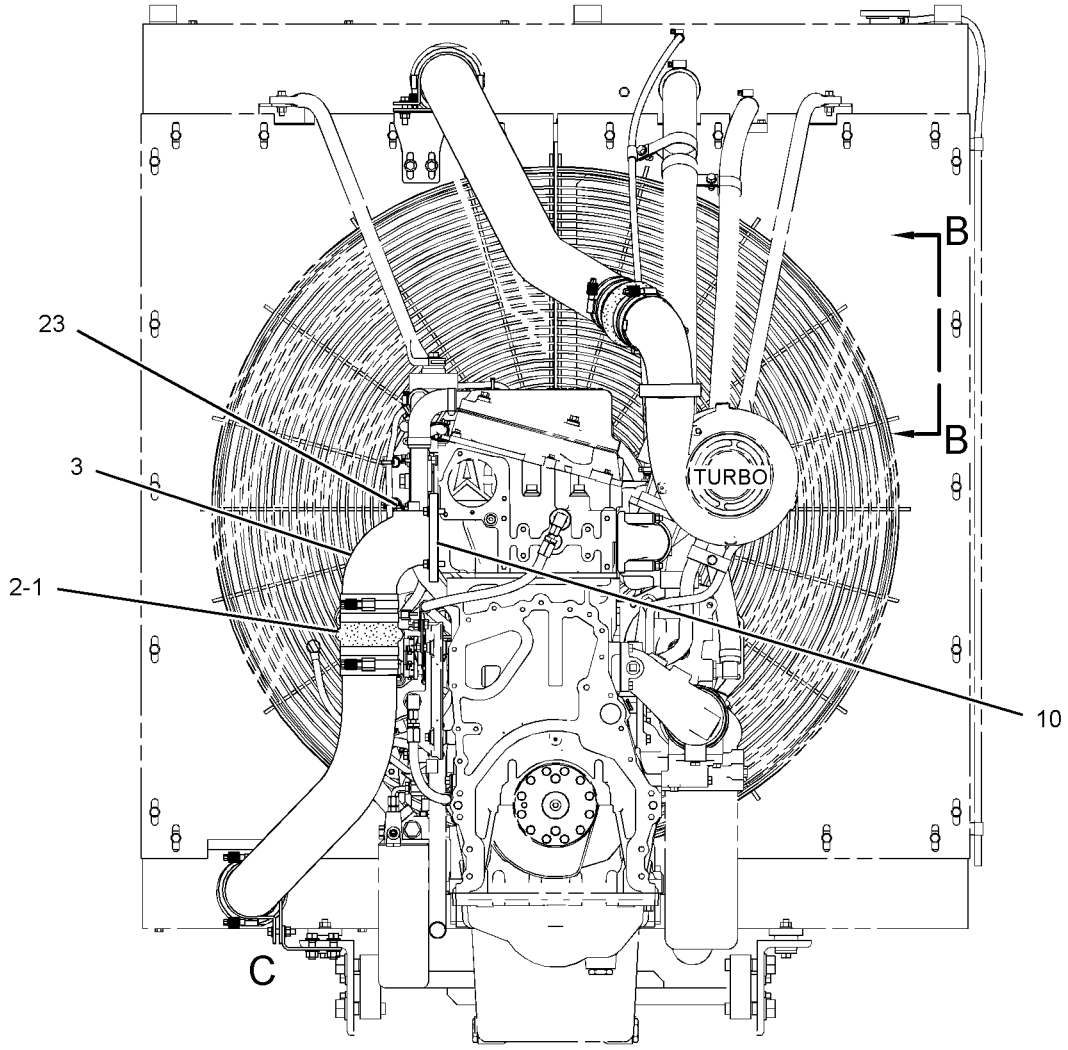
AIR INLET AND EXHAUST SYSTEM

303-1265 LINES GP-AIR

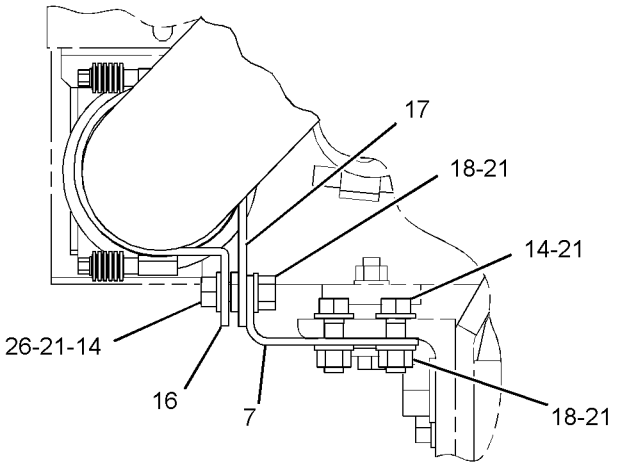
FOR USE WITH SINGLE TURBO GP (FRONT TURBO EXHAUST), RADIATOR GP AN ATTACHMENT

SMCS-1071 **i03568368**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**7E-8630**	4	HOSE-AIR INLET	
	2	1,2	**9X-2201**	16	CLAMP-HOSE	
	3	1	**109-4203**	1	ELBOW	
	4	2	**126-0073**	1	ELBOW	
	5	2	**127-0929**	1	CLAMP	
	6	2	**228-4381**	1	TUBE	
	7	1	**228-7796**	2	BRACKET	
	8	2	**296-9821**	1	BRACKET	
	9	2	**303-1266**	1	TUBE	
	10	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	11	2	**5M-3062**	2	BOLT (3/8-16X0.75-IN)	
	12	2	**5M-6214**	1	PLUG-PIPE	
	13	2	**5P-1075**	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	14	1	**5P-2566**	6	BOLT (1/2-13X1.5-IN)	
	16	1,2	**6V-6782**	3	CLIP (SLOT)	
	17	1,2	**6V-6783**	3	CLIP (TAB)	
	18	1	**6V-8188**	6	NUT (1/2-13-THD)	
	19	2	**6V-8801**	1	NUT (3/8-16-THD)	
	20	2	**8C-3089**	1	SEAL-O-RING	
	21	1	**8T-4223**	12	WASHER-HARD (13.5X25.5X3-MM THK)	
	22	2	**8T-4896**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	23	1	**8T-6765**	1	PLUG-PIPE	
	24	2	**9B-7237**	4	BOLT (3/8-16X1.25-IN)	
	25	2	**5S-7382**	1	BOLT (3/8-16X1.375-IN)	
	26	1	**8T-7971**	2	WASHER-HARD (13.5X25.5X5-MM THK)	



REAR VIEW OF ENGINE

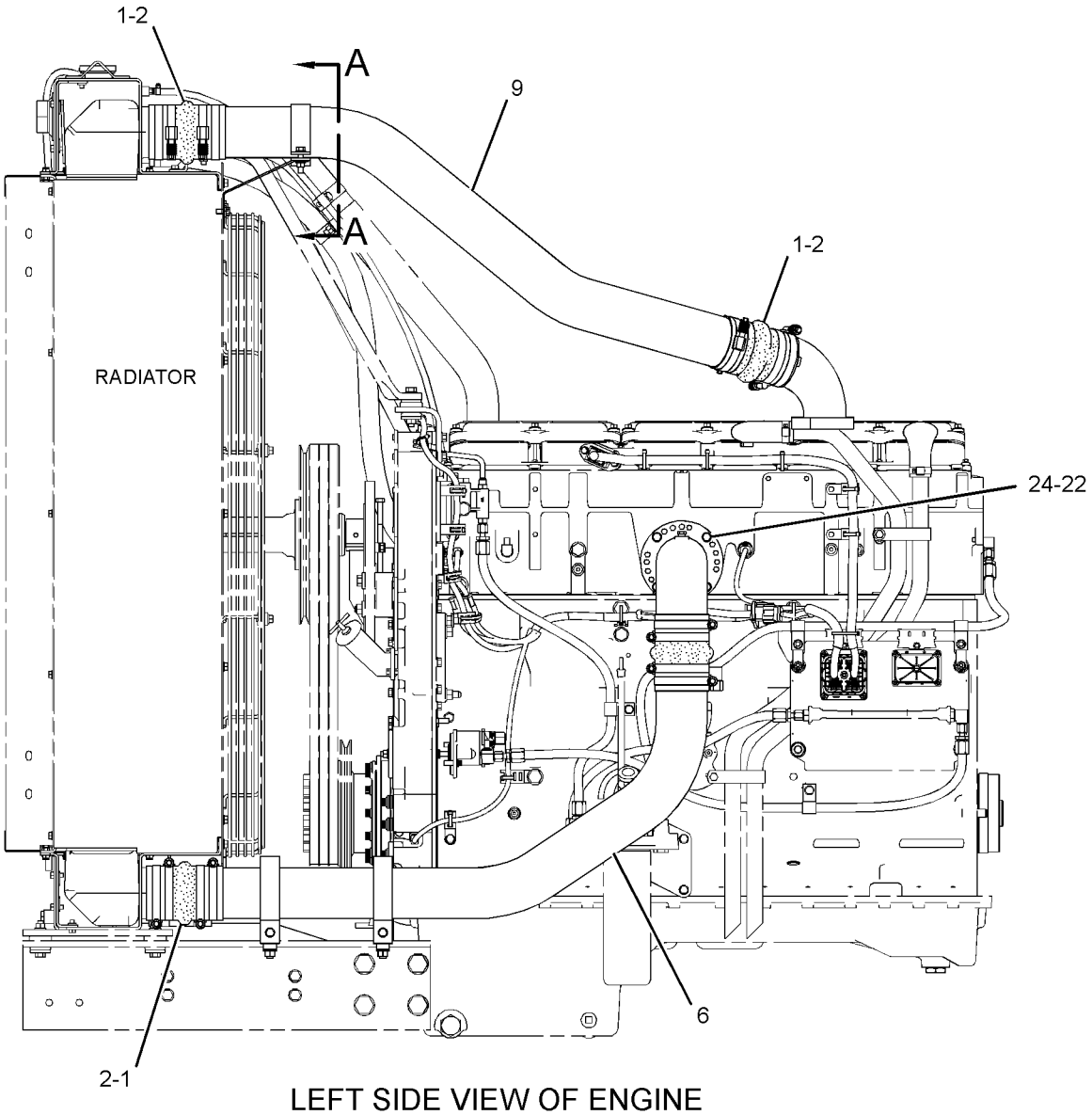


VIEW OF AREA C

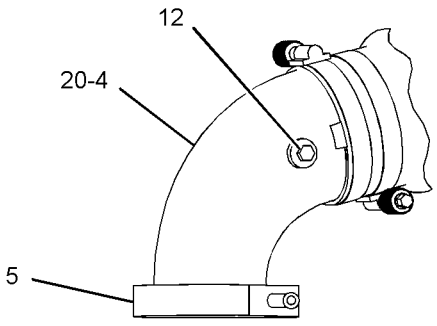
REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

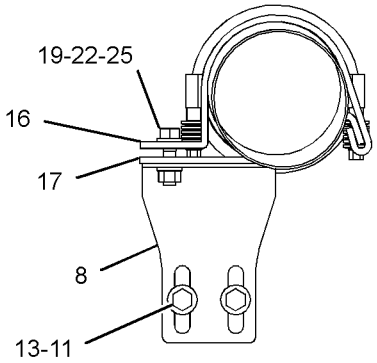
g01942674



LEFT SIDE VIEW OF ENGINE



VIEW B-B



SECTION A-A

GRAPHIC #2 **<END>** g01942675

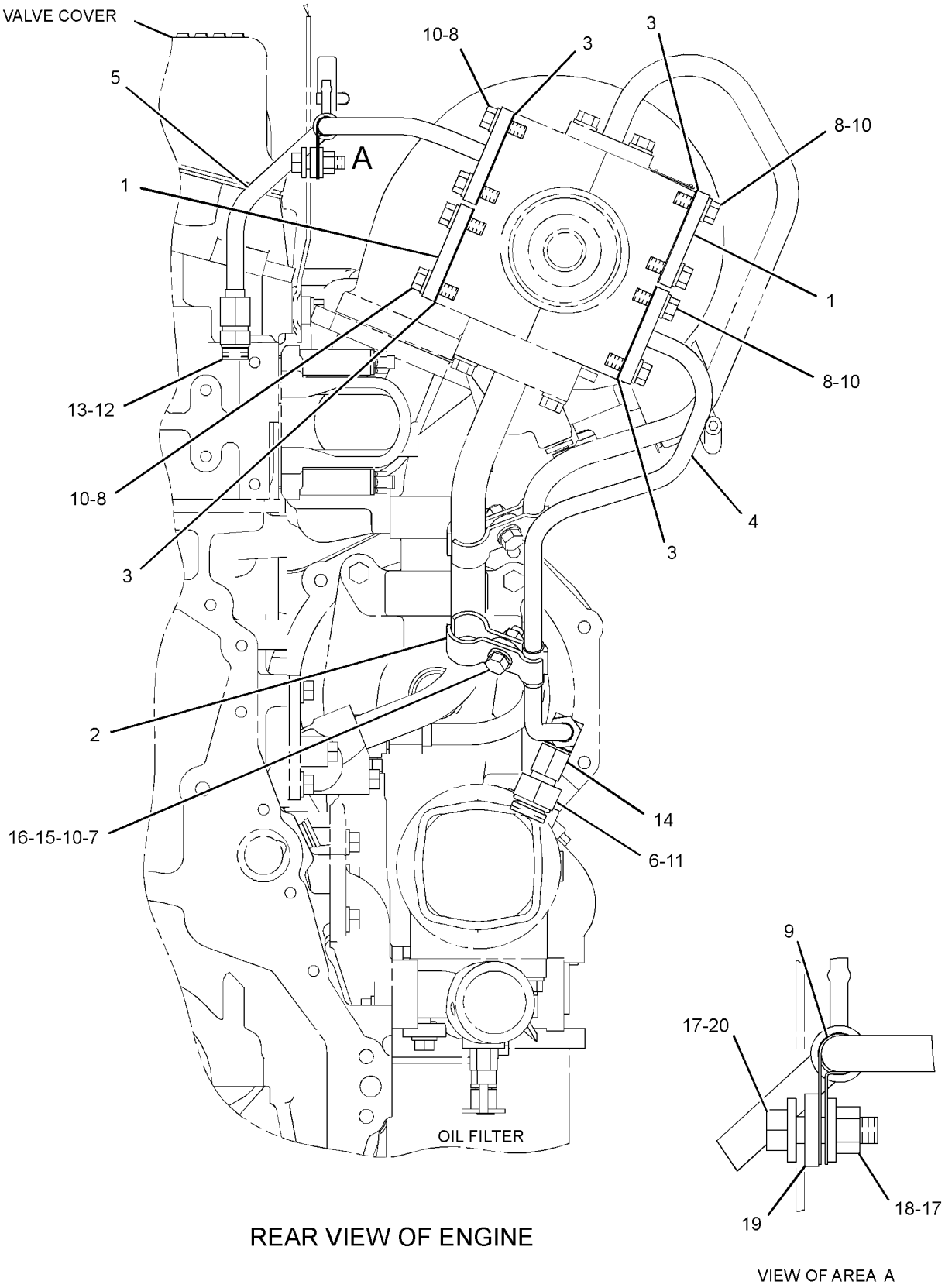
AIR INLET AND EXHAUST SYSTEM

311-1436 LINES GP-TURBOCHARGER

FOR USE WITH FRONT EXHAUST CONFIGURATION, WATER COOLED TURBOS. CANNOT BE USED WITH LH SIDE COOLANT CONDITIONER, 255-0659—PAGE 478 AN ATTACHMENT

SMCS-1052 **i03568345**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-7878**	2	PLATE-COVER	
	2	1	**9M-7540**	2	CLAMP-TUBE	
	3	1	**241-3283**	4	GASKET	
	4	1	**311-1437**	1	TUBE AS	
	5	1	**311-1438**	1	TUBE AS	
	6	1	**030-8189**	1	CONNECTOR	
	7	1	**0S-1588**	1	BOLT (3/8-16X1.25-IN)	
	8	1	**0S-1594**	8	BOLT (3/8-16X1-IN)	
	9	1	**1B-3057**	1	CLIP	
	10	1	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	11	1	**6V-5063**	1	SEAL-O-RING	
	12	1	**6V-6609**	1	SEAL-O-RING	
	13	1	**8M-0505**	1	CONNECTOR	
	14	1	**8M-0547**	1	ELBOW-FLARED (SWIVEL)	
	15	1	**9M-6527**	1	WASHER-HARD (10.2X25.5X5-MM THK)	
	16	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	17	1	**5P-1075**	2	WASHER-HARD (10.2X22.5X3-MM THK)	
	18	1	**6V-8801**	1	NUT (3/8-16-THD)	
	19	1	**7X-0575**	1	WASHER-HARD (10.2X22.5X5-MM THK)	
	20	1	**9B-7237**	1	BOLT (3/8-16X1.25-IN)	



GRAPHIC #1 **<END>** g01948091

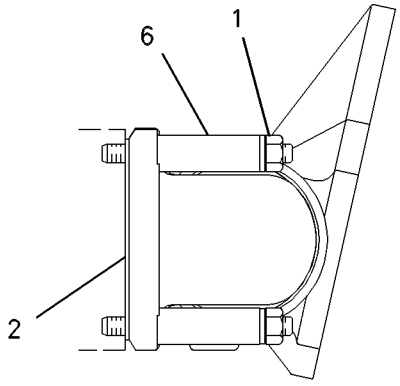
AIR INLET AND EXHAUST SYSTEM

135-6552 MANIFOLD GP-EXHAUST

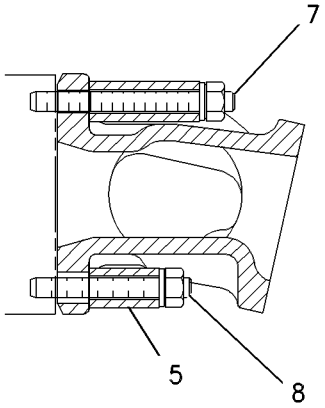
FOR USE WITH REAR EXHAUST TURBO
AN ATTACHMENT

SMCS-1059 **i02332474**

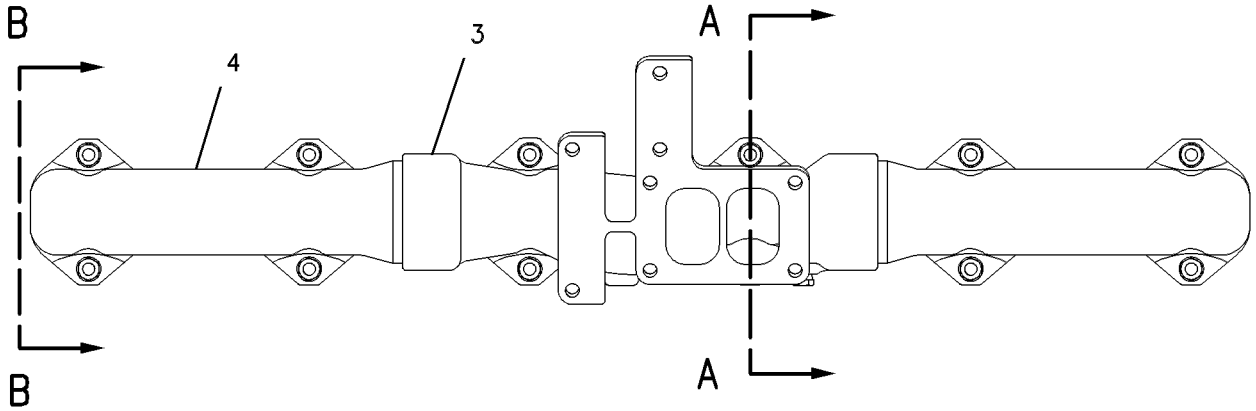
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-2766**	12	LOCKNUT (3/8-16-THD)	
		1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	2	1	**129-9452**	6	GASKET-EXHAUST MANIFOLD	
	3	1	**101-7354**	1	MANIFOLD-EXHAUST (CENTER)	
	4	1	**102-8608**	2	MANIFOLD-EXHAUST (END)	
	5	1	**2S-3770**	1	SPACER (11X19X33.5-MM THK)	
	6	1	**108-3612**	11	SPACER (11.13X19.05X53-MM THK)	
	7	1	**106-1792**	11	STUD-TAPERLOCK (3/8-16X4-IN)	
	8	1	**4S-6137**	1	STUD-TAPERLOCK (3/8-16X3.1-IN)	



SECTION B–B



SECTION A–A



GRAPHIC #1 **<END>** g00509782

AIR INLET AND EXHAUST SYSTEM

237-4291 MANIFOLD GP-EXHAUST

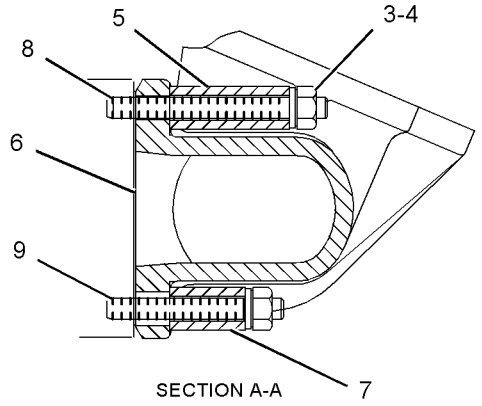
S/N: JRE1-218

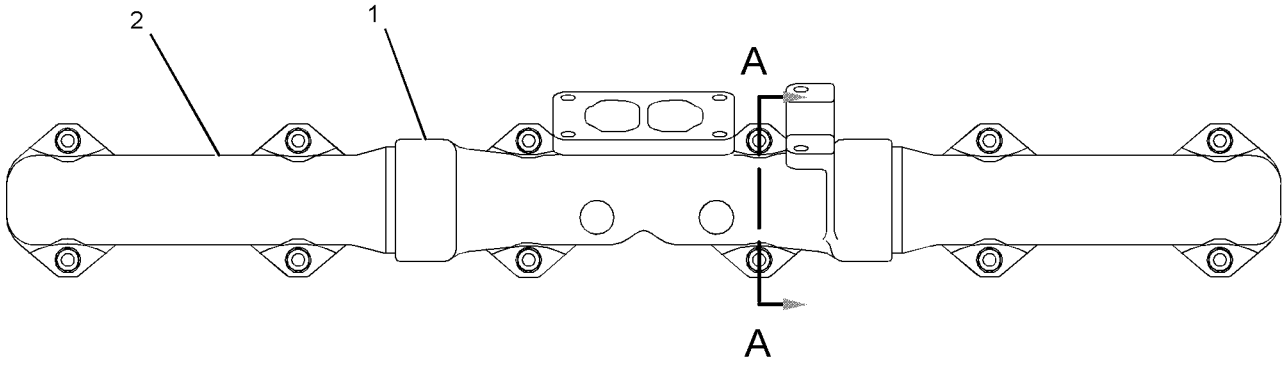
FOR USE WITH FRONT EXHAUST TURBO GROUP. CANNOT BE USED WITH REAR EXHAUST TURBO GROUP

AN ATTACHMENT

SMCS-1059 **i02332481**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**237-4292**	1	MANIFOLD-EXHAUST (CENTER-LOW MOUNT)	
	2	1	**102-8608**	2	MANIFOLD-EXHAUST (END)	
	3	1	**2N-2766**	12	LOCKNUT (3/8-16-THD)	
	4	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**108-3612**	11	SPACER (11.13X19.05X53-MM THK)	
	6	1	**129-9452**	6	GASKET-EXHAUST MANIFOLD	
	7	1	**2S-3770**	1	SPACER (11X19X33.5-MM THK)	
	8	1	**106-1792**	11	STUD-TAPERLOCK (3/8-16X4-IN)	
	9	1	**4S-6137**	1	STUD-TAPERLOCK (3/8-16X3.1-IN)	





GRAPHIC #1 **<END>** g01079414

AIR INLET AND EXHAUST SYSTEM

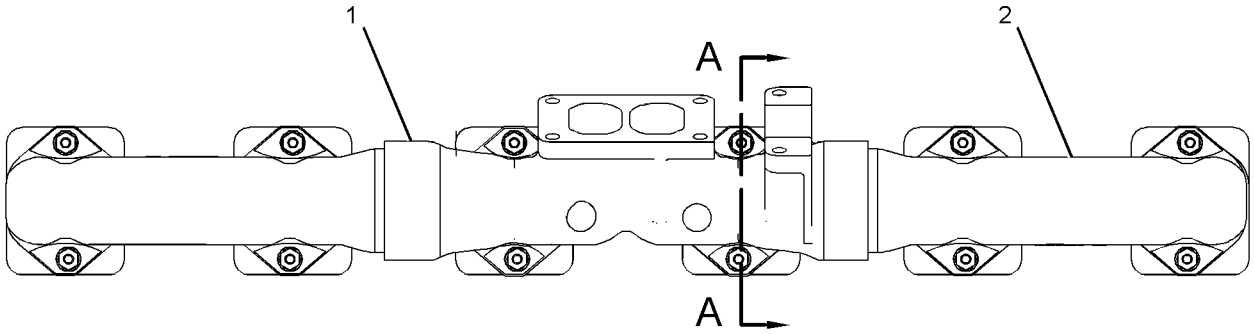
237-4291 MANIFOLD GP-EXHAUST

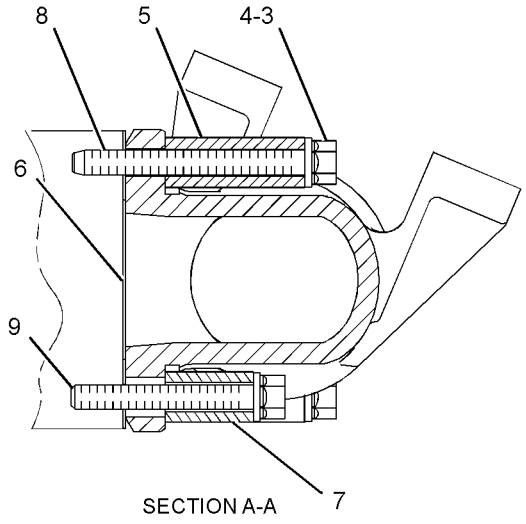
FOR USE WITH FRONT EXHAUST TURBO GROUP. CANNOT BE USED WITH REAR EXHAUST TURBO GROUP
AN ATTACHMENT

SMCS-1059 **i03560500**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**263-8511**	1	MANIFOLD-EXHAUST (CENTER-LOW MOUNT)	
	2	1	**102-8608**	2	MANIFOLD-EXHAUST (END)	
	3	1	**2N-2766**	12	LOCKNUT (3/8-16-THD)	
	4	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**108-3612**	11	SPACER (11.13X19.05X53-MM THK)	
	6	1	**239-1388**	6	GASKET	
	7	1	**2S-3770**	1	SPACER (11X19X33.5-MM THK)	
	8	1	**106-1792**	11	STUD-TAPERLOCK (3/8-16X4-IN)	
	9	1	**4S-6137**	1	STUD-TAPERLOCK (3/8-16X3.1-IN)	

C-CHANGE FROM PREVIOUS TYPE





GRAPHIC #1 **<END>** g01937575

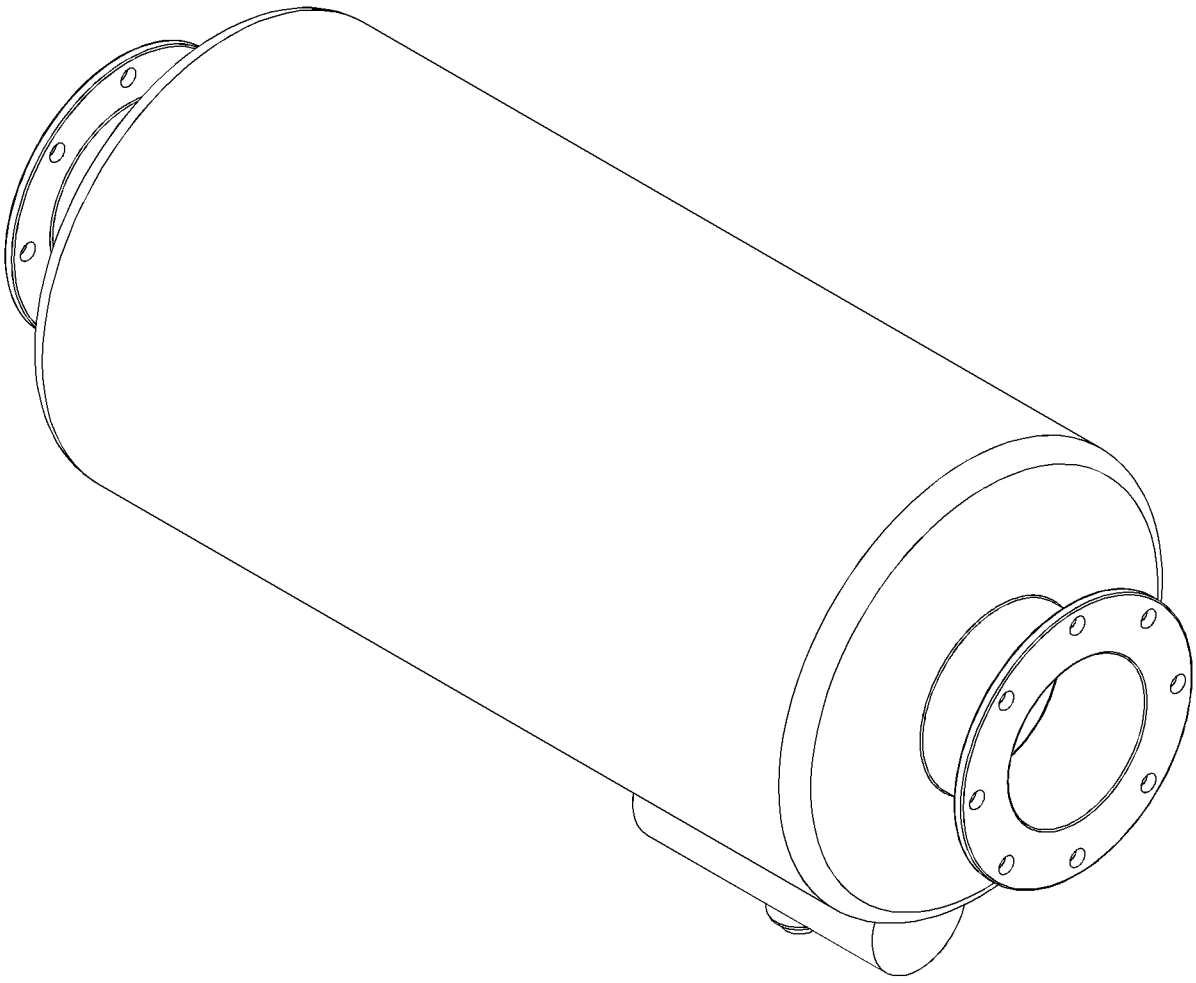
AIR INLET AND EXHAUST SYSTEM

262-6877 MUFFLER

203.2-MM (8-IN)ID
AN ATTACHMENT

SMCS-1062 **i02729688**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g01158823

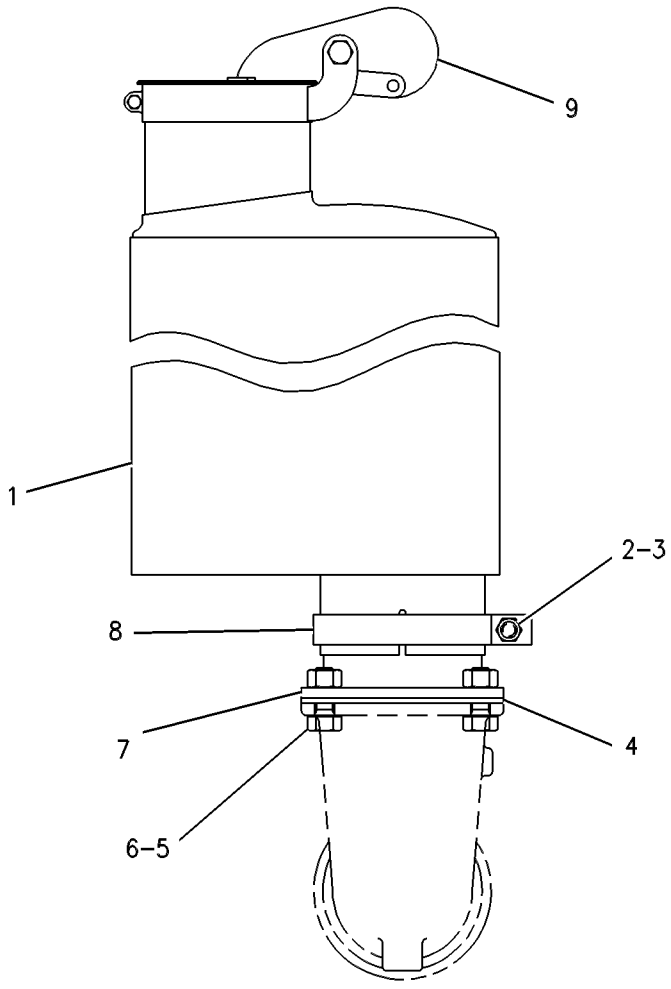
AIR INLET AND EXHAUST SYSTEM

130-6537 MUFFLER GP

FOR USE WITH 6L-2927—PAGE 626. CANNOT BE USED WITH ENCLOSURE GP AN ATTACHMENT

SMCS-1062 **i02628608**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8S-6559**	1	MUFFLER AS	
	2	1	**5S-7383**	1	BOLT (3/8-16X1.75-IN)	
	3	1	**6V-8801**	1	NUT (3/8-16-THD)	
	4	1	**5H-8331**	1	GASKET	
	5	1	**8T-9393**	4	BOLT (5/8-11X1.5-IN)	
	6	1	**7X-0448**	4	NUT (5/8-11-THD)	
	7	1	**5N-6147**	1	PIPE AS-EXHAUST	
	8	1	**8S-1460**	1	CLAMP	
	9	1	**7S-5003**	1	CAP AS-RAIN (EXHAUST) (MUFFLER)	



GRAPHIC #1 **<END>** g00256139

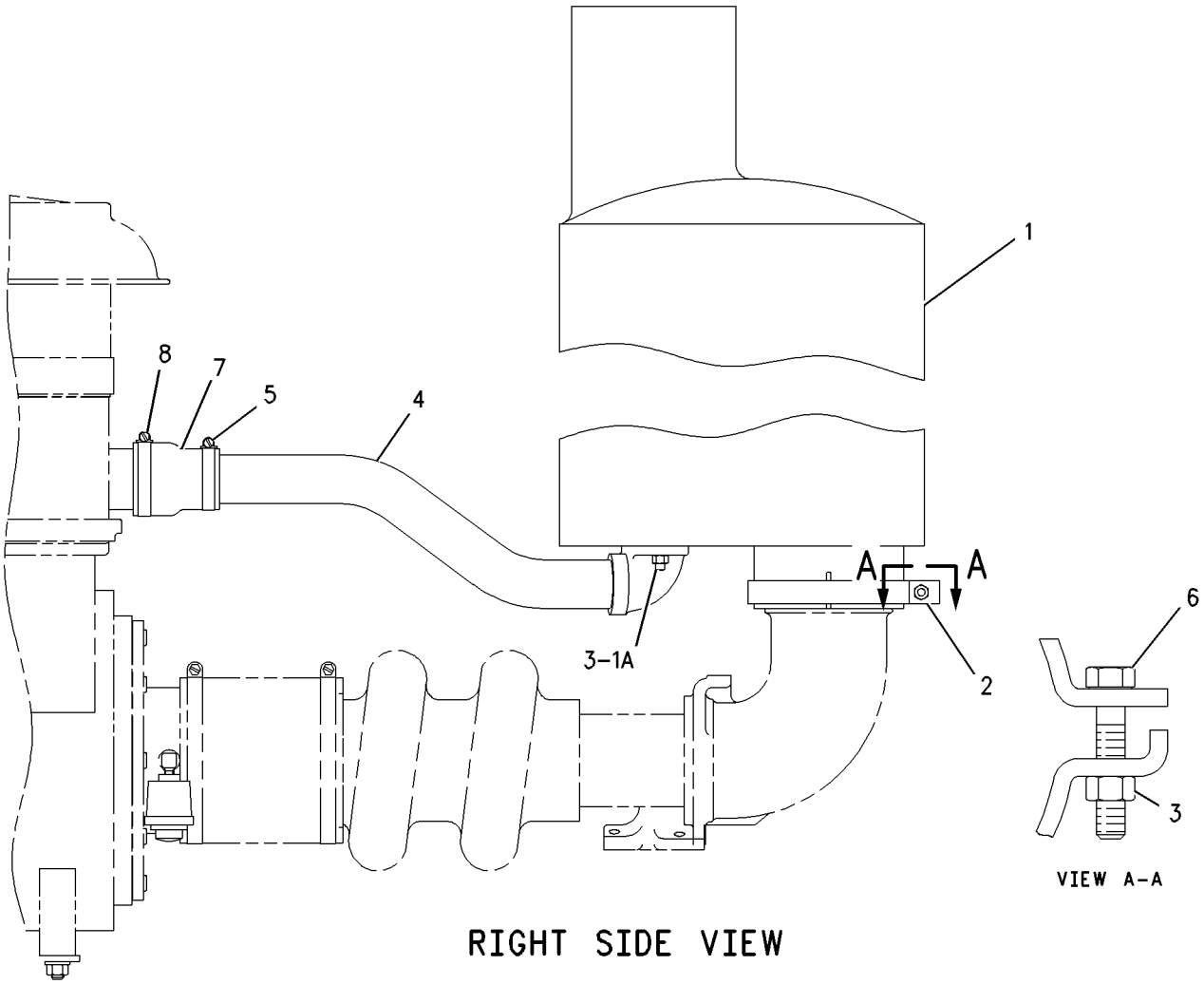
AIR INLET AND EXHAUST SYSTEM

193-1358 MUFFLER GP

FOR USE WITH SUPPORT GP-MUFFLER
AN ATTACHMENT

SMCS-1062 **i01441361**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1W-2489**	1	MUFFLER AS	
	1A	1	**6F-7012**	2	STUD-TAPERLOCK (3/8-16X1.57-IN)	
	2	1	**7S-7680**	1	CLAMP	
	3	1	**9S-8752**	3	NUT-FULL (3/8-16-THD)	
	4	1	**193-1357**	1	TUBE AS	
	5	1	**5P-0597**	1	CLAMP-HOSE	
	6	1	**0S-1590**	1	BOLT (3/8-16X2-IN)	
	7	1	**2W-7766**	1	REDUCER	
	8	1	**5P-4868**	1	CLAMP-HOSE	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00756003

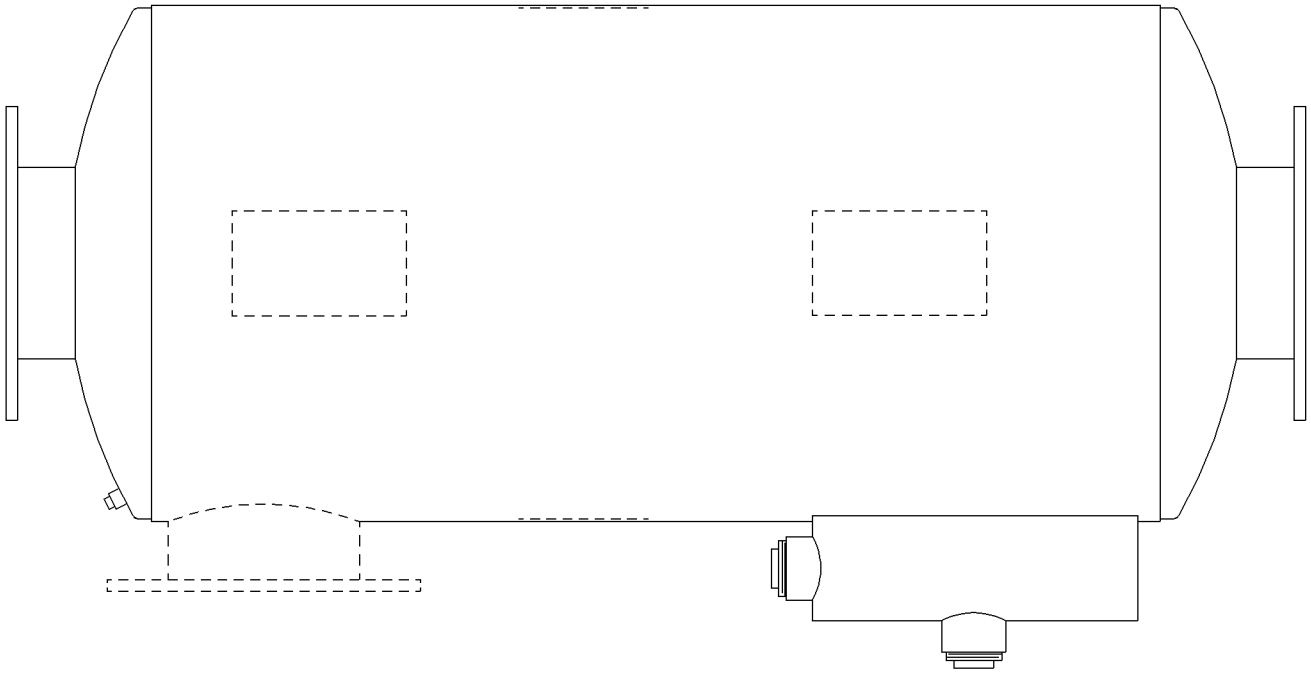
AIR INLET AND EXHAUST SYSTEM

214-5585 MUFFLER GP-SPARK ARRESTOR

203.2-MM (8-IN) ID
AN ATTACHMENT

SMCS-1062 **i02729701**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g01000902

AIR INLET AND EXHAUST SYSTEM

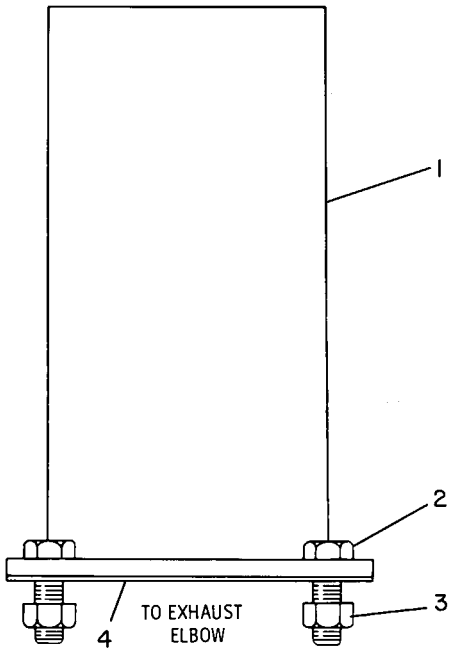
4L-5801 PIPE GP-EXHAUST

152.4-MM (6-INCH)
AN ATTACHMENT

SMCS-1061 **i02332564**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**5L-2264**	1	PIPE AS (EXHAUST)	
	2	1	**0S-1566**	4	BOLT (5/8-11X1.5-IN)	
	3	1	**1B-5358**	4	NUT-FULL (5/8-11 THD)	
	4	1	**5H-8331**	1	GASKET	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g00205793

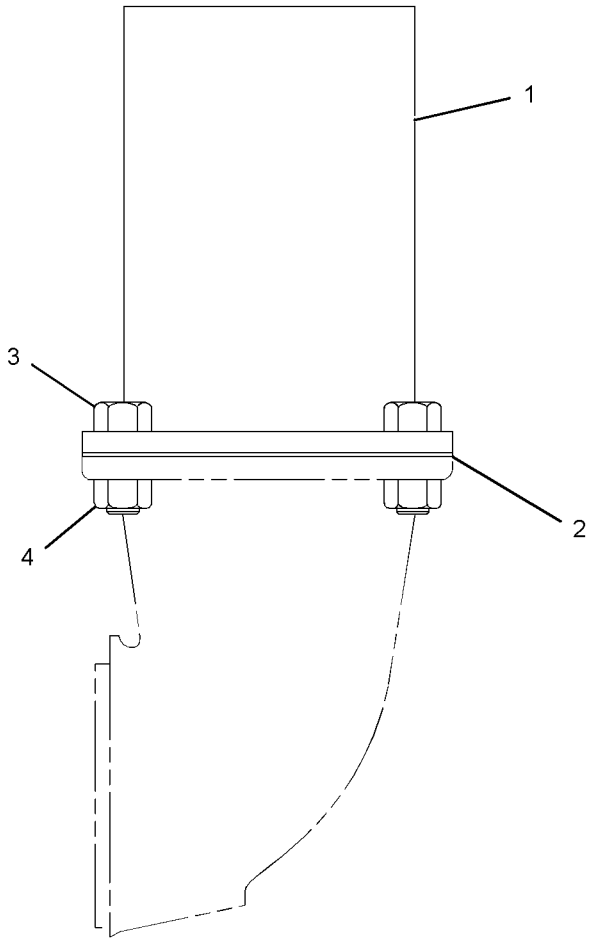
AIR INLET AND EXHAUST SYSTEM

5L-8632 PIPE GP-EXHAUST

127-MM (5-INCH)
AN ATTACHMENT

SMCS-1061 **i03688261**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-8605**	1	PIPE AS-EXHAUST	
	2	1	**5L-8484**	1	GASKET	
	3	1	**8T-9393**	4	BOLT (5/8-11X1.5-IN)	
	4	1	**1B-5358**	4	NUT-FULL (5/8-11-THD)	



GRAPHIC #1 **<END>** g01980694

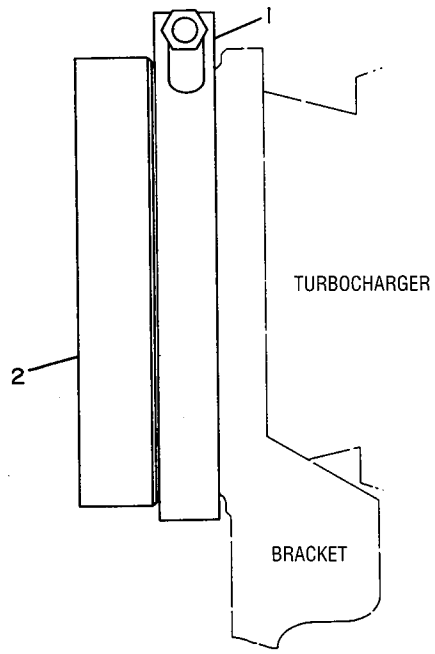
AIR INLET AND EXHAUST SYSTEM

9N-1368 PIPE GP-EXHAUST

127-MM (5-INCH) ADAPTER
AN ATTACHMENT

SMCS-1061 **i00645460**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5L-7631**	1	CLAMP	
	2	1	**9N-1367**	1	ADAPTER	



GRAPHIC #1 **<END>** g00135438

AIR INLET AND EXHAUST SYSTEM

8S-3893 PRECLEANER GP—AIR CLEANER

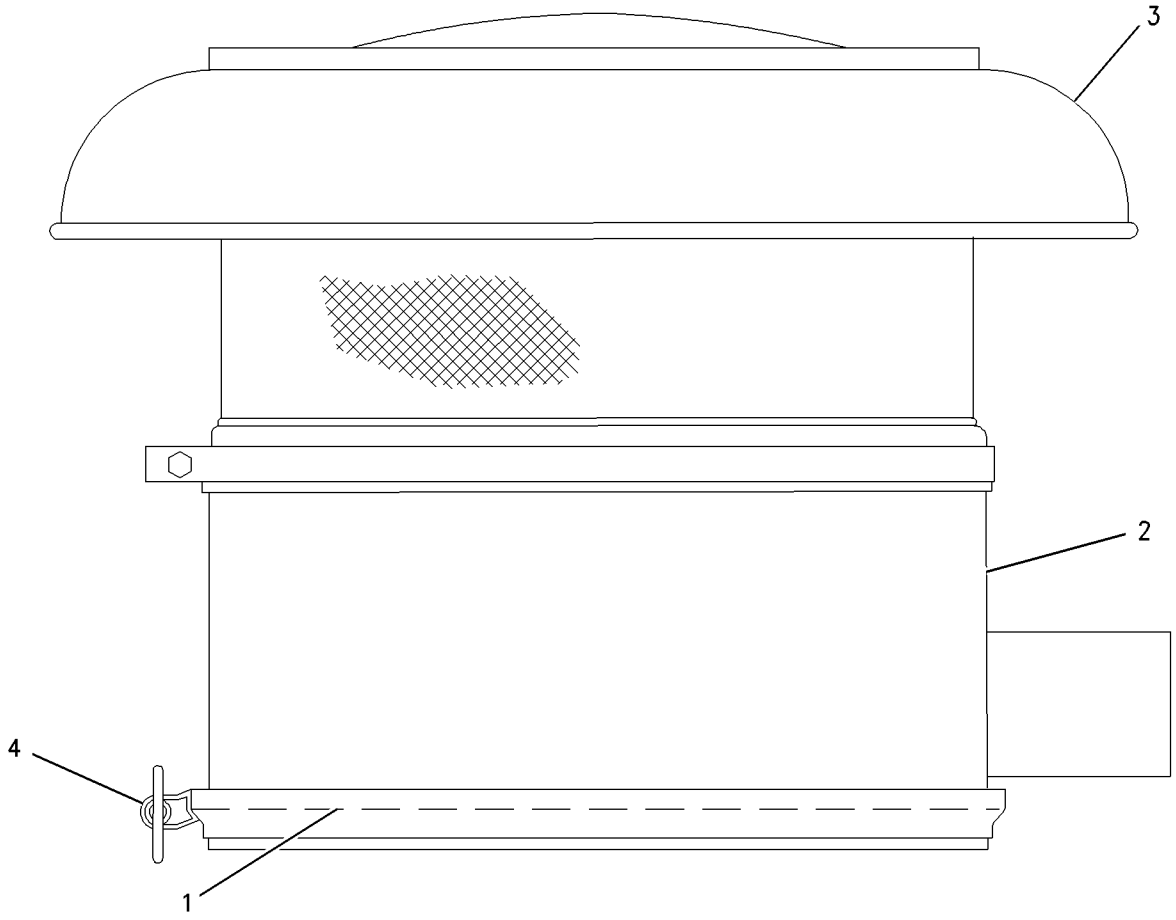
13.06-IN OD

FOR USE WITH HEAVY DUTY AIR CLEANER. CANNOT BE USED WITH WATERCOOLED MANIFOLD

AN ATTACHMENT

SMCS-1055 **i02730001**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1M-3419**	1	SEAL-O-RING	
	2	1	**8S-6822**	1	BODY AS	
	3	1	**8S-6823**	1	HOOD AS	
	4	1	**8S-6824**	1	CLAMP AS	



GRAPHIC #1 **<END>** g00768757

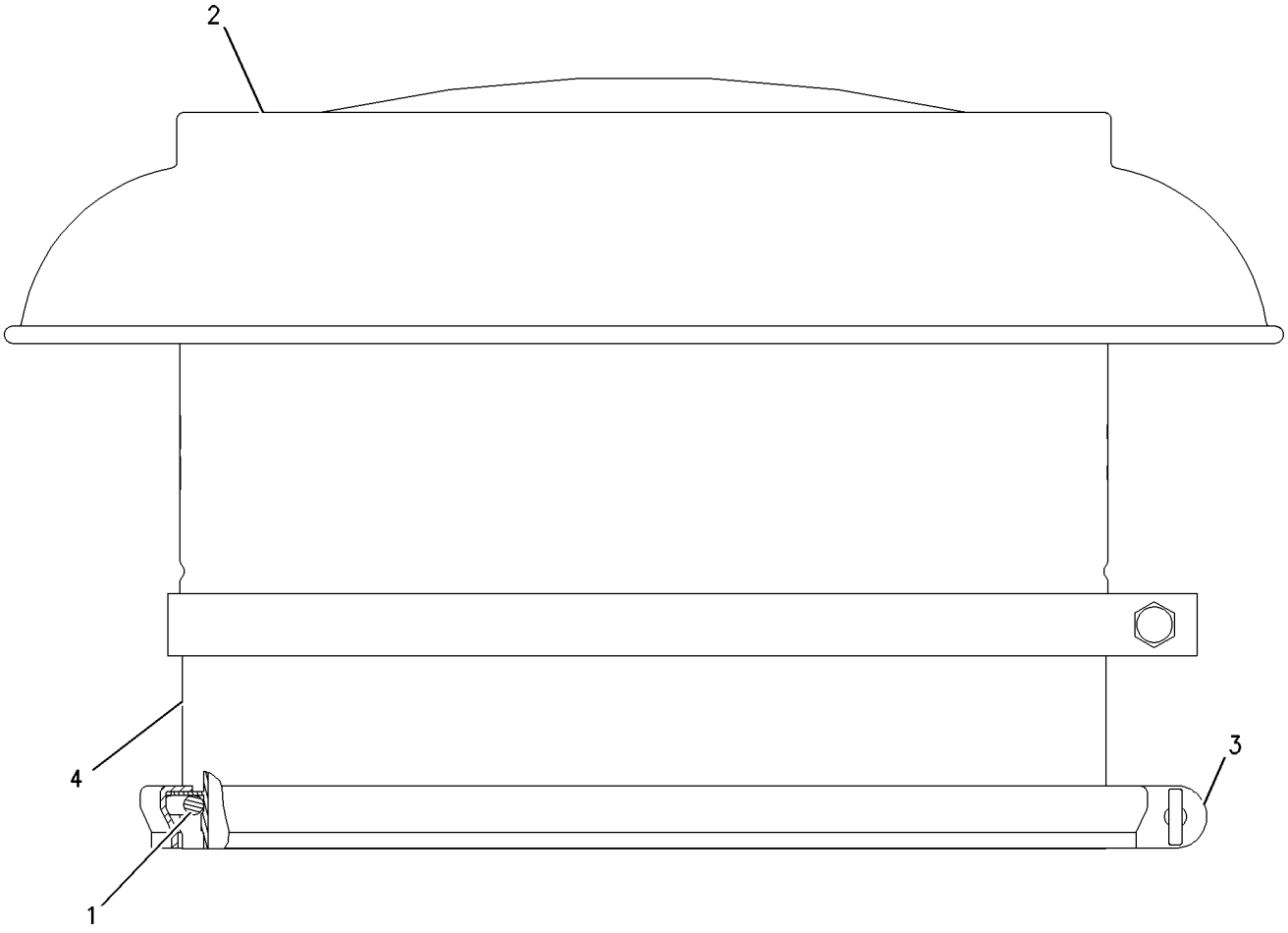
AIR INLET AND EXHAUST SYSTEM

232-6182 PRECLEANER GP

FOR USE WITH 141-0809—PAGE 600, 209-5356—PAGE 602, 2W-6183—PAGE 597
AN ATTACHMENT

SMCS-1055 **i01891616**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1M-3419**	1	SEAL-O-RING	
	2	1	**8S-6823**	1	HOOD AS	
	3	1	**8S-6824**	1	CLAMP AS	
	4	1	**113-3155**	1	BODY	



GRAPHIC #1 **<END>** g00984933

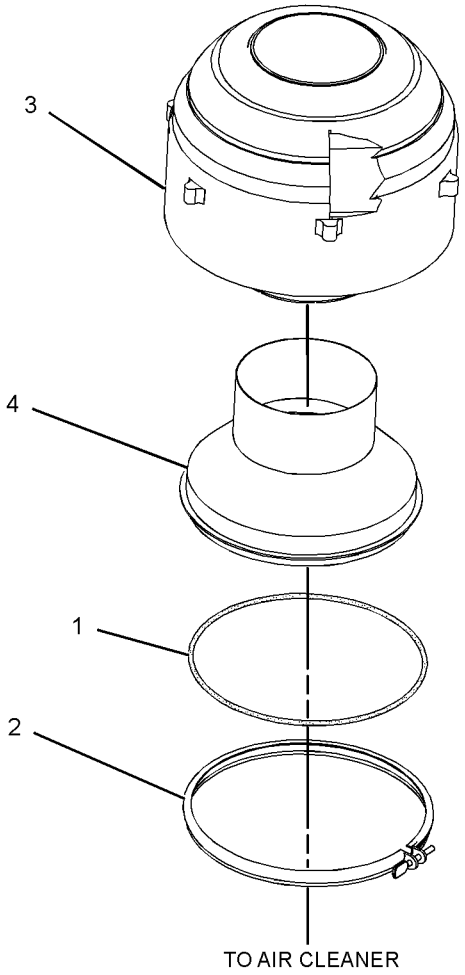
AIR INLET AND EXHAUST SYSTEM

280-2582 PRECLEANER GP–AIR CLEANER

AN ATTACHMENT

SMCS-1055 **i02431899**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1M-3419**	1	SEAL-O-RING	
	2	1	**8S-6824**	1	CLAMP AS	
	3	1	**130-3281**	1	PRECLEANER AS (AIR TURBINE)	
		1	**174-4895**	2	CLAMP	
	4	1	**266-2993**	1	ADAPTER-EXPANSION	



GRAPHIC #1 **<END>** g01213467

AIR INLET AND EXHAUST SYSTEM

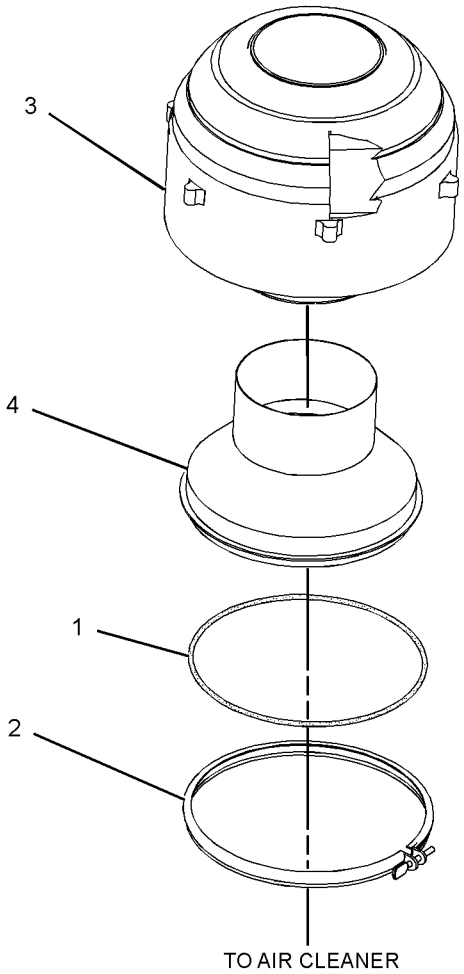
280-2583 PRECLEANER GP

TIER III

AN ATTACHMENT

SMCS-1055 **i02424476**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1M-3419**	1	SEAL-O-RING	
	2	1	**8S-6824**	1	CLAMP AS	
	3	1	**130-3282**	1	PRECLEANER AS (TURBINE)	
		1	**174-4895**	2	CLAMP	
	4	1	**266-2993**	1	ADAPTER-EXPANSION	



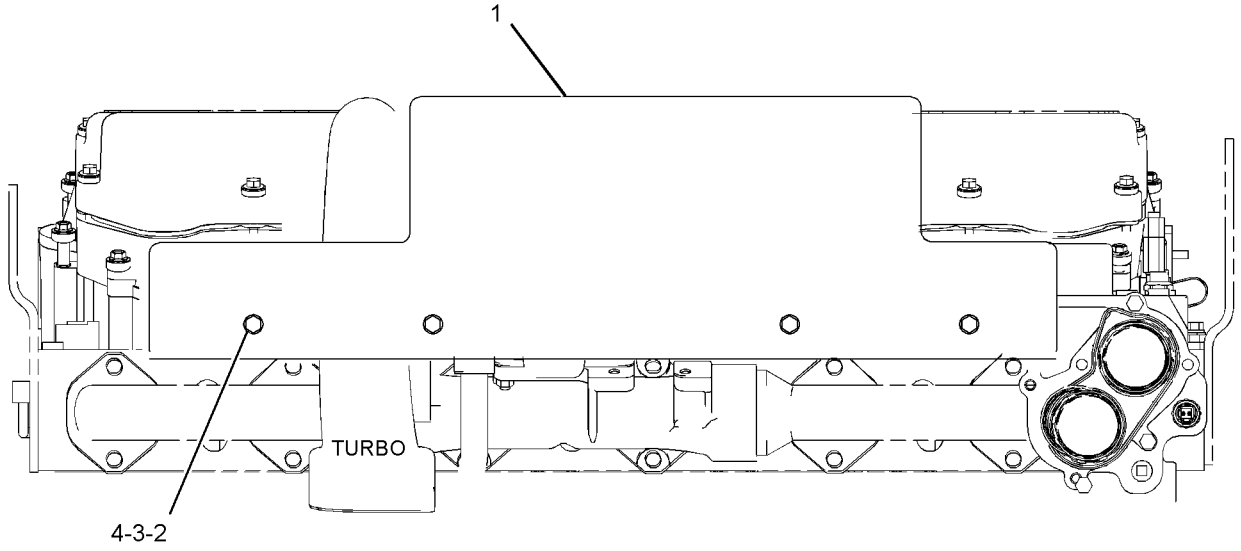
GRAPHIC #1 **<END>** g01213467

275-3979 SHIELD GP-HEAT

S/N: JRE1-1097
PROVIDES HEAT PROTECTION ON VALVE COVER JOINT
FOR USE WITH FORWARD EXHAUST SETUP
AN ATTACHMENT

SMCS-1067 **i02364736**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**204-8772**	1	SHIELD-HEAT	
	2	1	**5P-1075**	4	WASHER-HARD (10.2X22.5X3-MM THK)	
	3	1	**5S-7379**	4	BOLT (3/8-16X0.875-IN)	
	4	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g01219127

AIR INLET AND EXHAUST SYSTEM

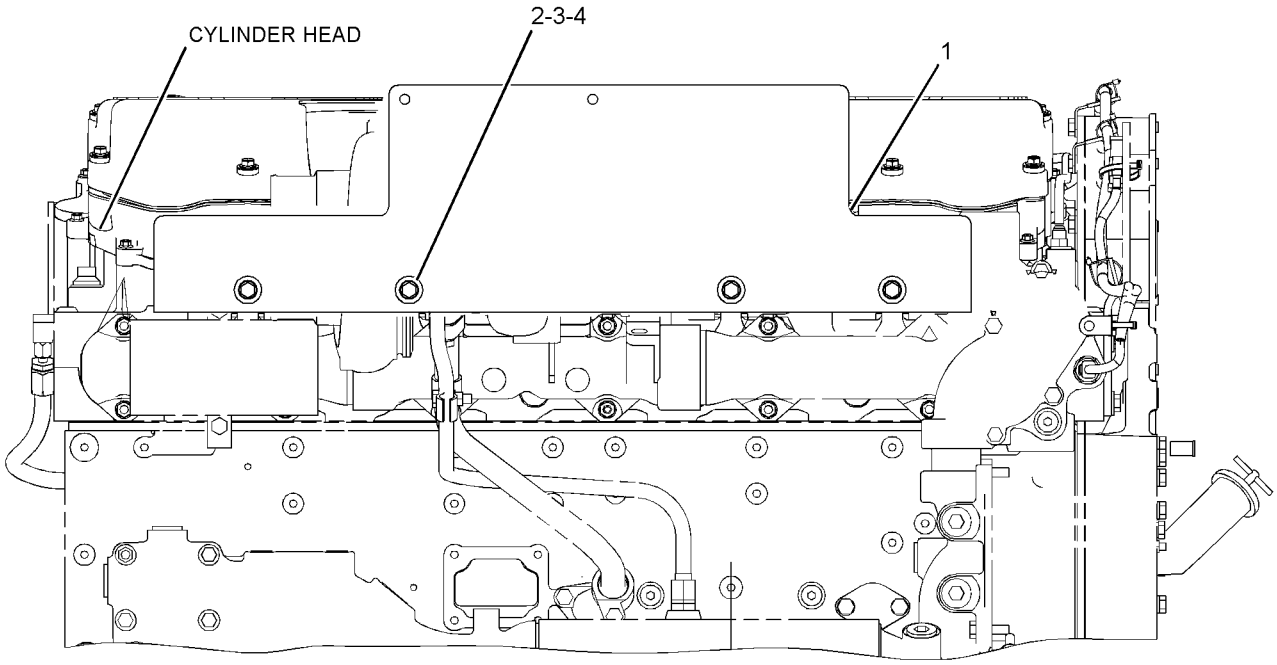
275-3979 SHIELD GP-HEAT

PROVIDES HEAT PROTECTION ON VALVE COVER JOINT
FOR USE WITH FORWARD EXHAUST SETUP
AN ATTACHMENT

SMCS-1067 **i02497080**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**272-6658**	1	SHIELD-HEAT	
C	2	1	**091-0081**	4	SPACER (10.5X20X10-MM THK)	
C	3	1	**8T-2502**	4	BOLT (3/8-16X1.125-IN)	
	4	1	**8T-4896**	4	WASHER-HARD (10.2X18.5X2.5-MM THK)	

C-CHANGE FROM PREVIOUS TYPE



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g01252591

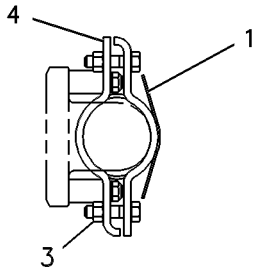
AIR INLET AND EXHAUST SYSTEM

124-0657 SHIELD GP-MANIFOLD

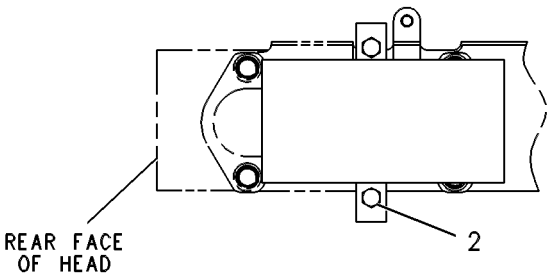
FOR USE WITH SIDE MOUNTED AIR CLEANER
AN ATTACHMENT

SMCS-1067 **i02999449**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**124-0658**	1	SHIELD AS (MANIFOLD)	
		1	**1S-4577**	1	CLAMP	
	2	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	3	1	**1B-5355**	2	NUT-FULL (3/8-16-THD)	
	4	1	**1S-4577**	1	CLAMP	



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00255274

AIR INLET AND EXHAUST SYSTEM

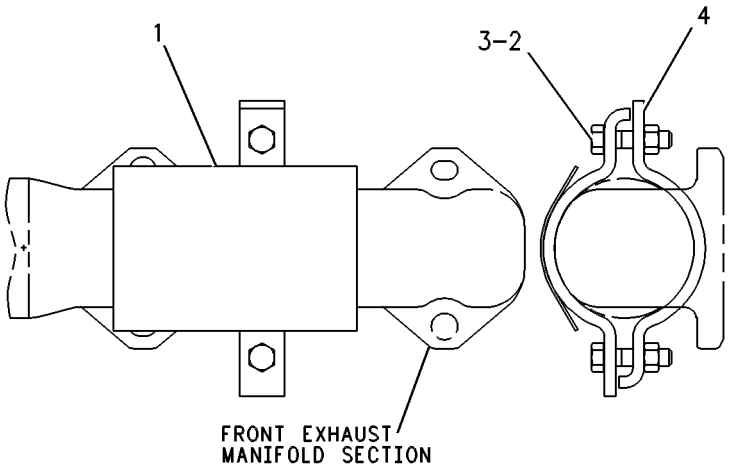
124-5289 SHIELD GP-MANIFOLD

FOR USE WITH REAR FACING TURBOCHARGER

AN ATTACHMENT

SMCS-1067 **i02333038**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-1008**	1	SHIELD AS	
		1	**1S-4577**	1	CLAMP	
	2	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	3	1	**1B-5355**	2	NUT-FULL (3/8-16-THD)	
	4	1	**1S-4577**	1	CLAMP	



GRAPHIC #1 **<END>** g00254329

AIR INLET AND EXHAUST SYSTEM

119-7557 SHUTOFF GP-AIR

24/32-VOLT

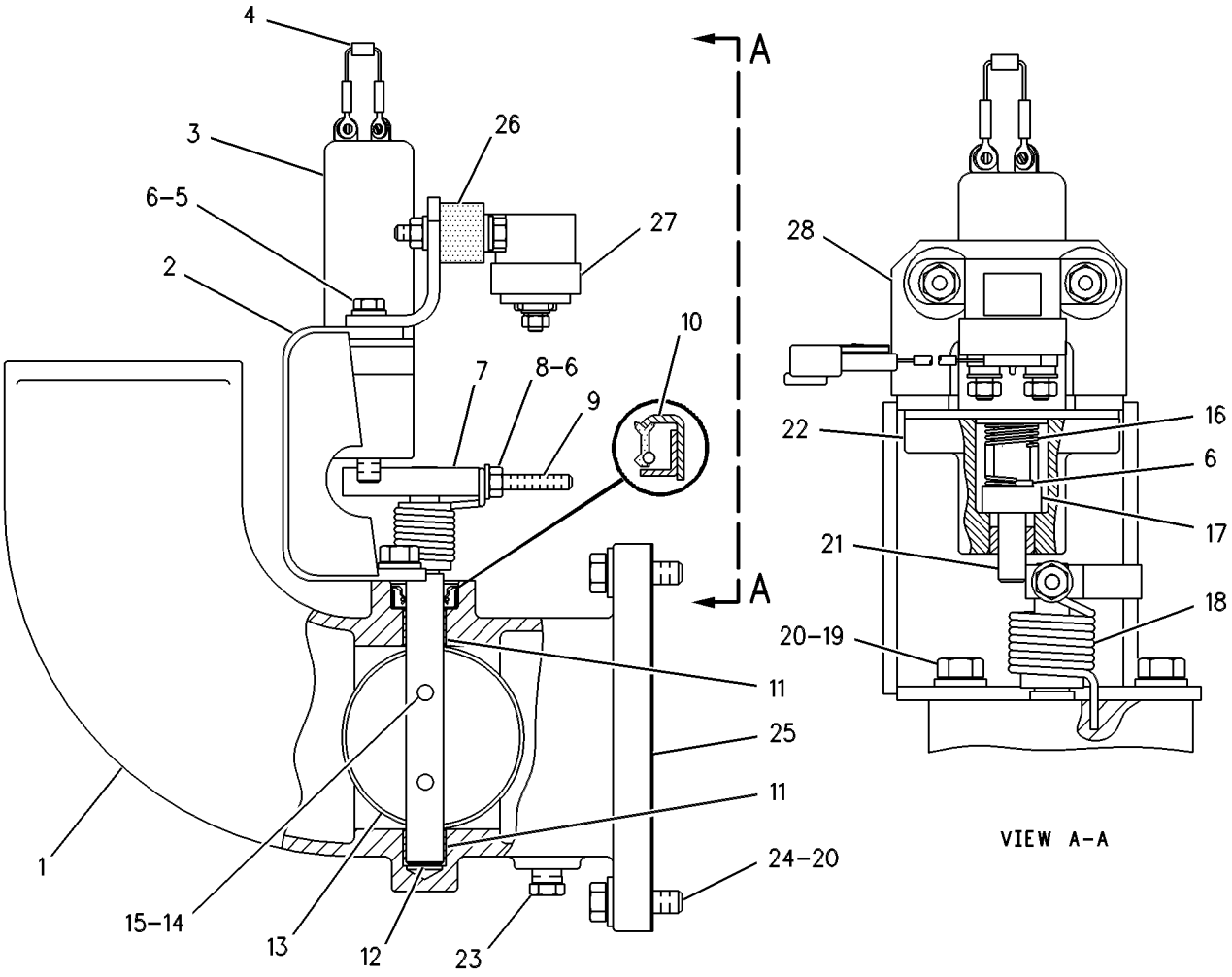
CANNOT BE USED WITH 109-4202—PAGE 621

AN ATTACHMENT

SMCS-1078 **i02140339**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**119-7556**	1	ELBOW	
	2	1	**5N-5664**	1	BRACKET AS	
	3	1	**4N-3890**	1	SOLENOID AS (24-VOLT) (AIR INLET SHUTOFF)	
		1	**6V-8362**	2	SCREW-MACHINE (8-32X0.31-IN)	
		1	**9B-7233**	2	LOCKWASHER	
	4	1	**1W-9070**	1	DIODE AS	
	5	1	**6D-2928**	2	BOLT (1/4-20X1.125-IN)	
	6	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	7	1	**5N-5662**	1	LATCH	
	8	1	**6V-8185**	5	NUT (1/4-20-THD)	
	9	1	**119-9457**	1	ROD-HANDLE	
	10	1	**5H-1190**	1	SEAL-LIP TYPE	
	11	1	**5N-3852**	2	BEARING	
	12	1	**4N-2883**	1	SHAFT-SHUTOFF	
		1	**2L-3605**	1	PIN-SPRING	
		1	**5N-2829**	1	BUSHING-TERMINAL	
	13	1	**4P-8021**	1	VALVE AS (AIR SHUTOFF)	
	14	1	**1C-0569**	2	BOLT (5/16-18X0.5-IN)	
	15	1	**9S-5282**	2	WASHER-HARD (8.8X14.5X2-MM THK)	
	16	1	**3N-7848**	1	SPRING	
	17	1	**5N-1703**	1	SPACER (6.8X21X9.52-MM THK)	
	18	1	**108-2858**	1	SPRING	
	19	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	20	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	21	1	**5N-5129**	1	SHAFT	
	22	1	**5N-5131**	1	BLOCK AS	
		1	**5H-5744**	1	BUSHING-TERMINAL	
	23	1	**8T-6765**	1	PLUG-PIPE	
	24	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	25	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	26	1	**7P-7913**	2	MOUNT	
Y	27	1	**125-1302**	1	SWITCH GP-MAGNETIC (24-VOLT) (AIR SHUTOFF)	951
	28	1	**136-7829**	1	BRACKET	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00268837

AIR INLET AND EXHAUST SYSTEM

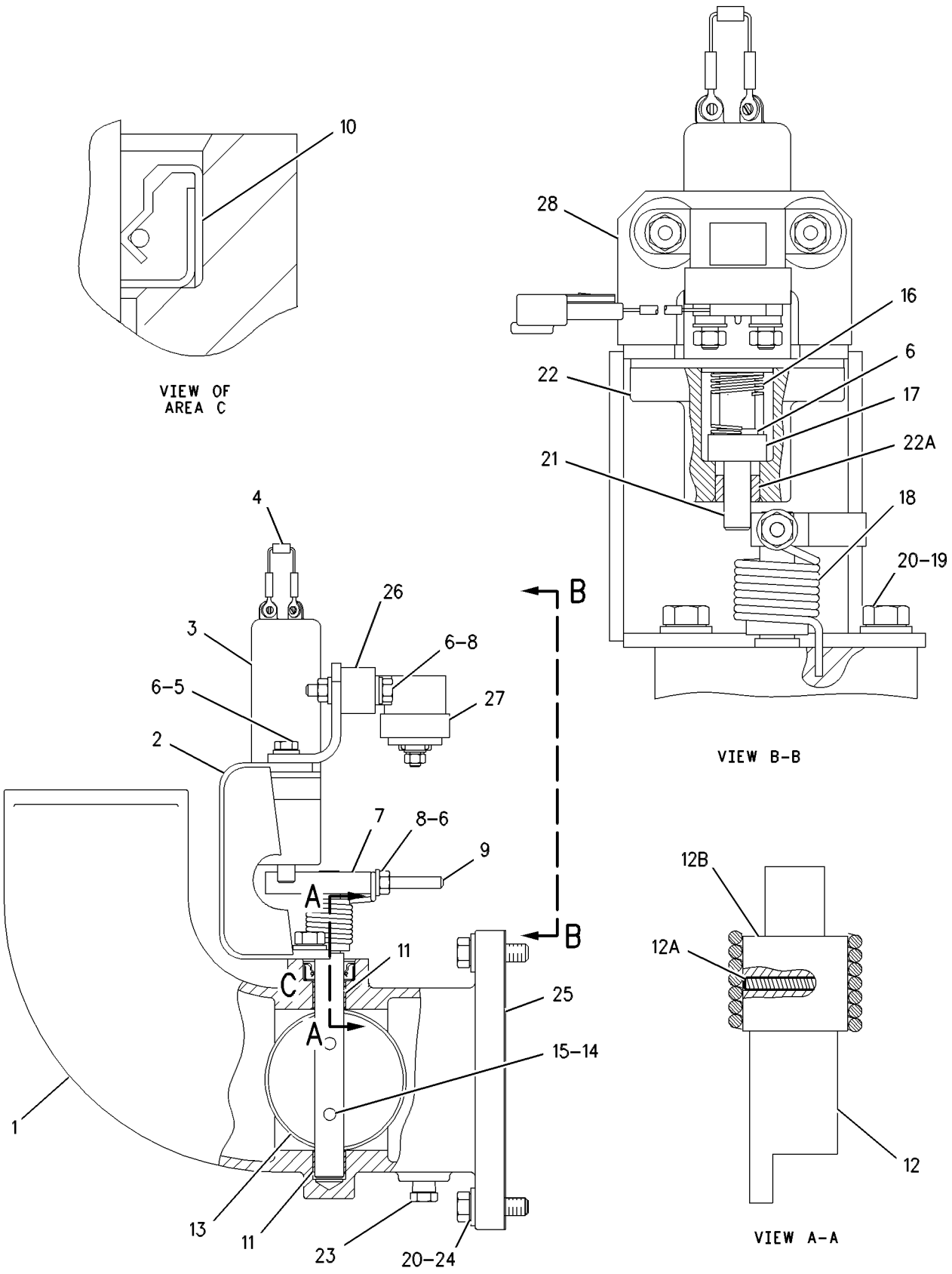
185-1676 SHUTOFF GP-AIR—12-VOLT

CANNOT BE USED WITH 109-4202—PAGE 621

AN ATTACHMENT

SMCS-1078 **i02318122**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**119-7556**	1	ELBOW	
	2	1	**5N-5664**	1	BRACKET AS	
	3	1	**4N-3889**	1	SOLENOID-SHUTOFF (12-VOLT) (AIR INLET)	
	4	1	**1W-9070**	1	DIODE AS	
	5	1	**6D-2928**	2	BOLT (1/4-20X1.125-IN)	
	6	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	7	1	**5N-5662**	1	LATCH	
	8	1	**6V-8185**	5	NUT (1/4-20-THD)	
	9	1	**119-9457**	1	ROD-HANDLE	
	10	1	**5H-1190**	1	SEAL-LIP TYPE	
	11	1	**5N-3852**	2	BEARING	
	12	1	**4N-2883**	1	SHAFT-SHUTOFF	
	12A	1	**2L-3605**	1	PIN-SPRING	
	12B	1	**5N-2829**	1	BUSHING-TERMINAL	
	13	1	**4P-8021**	1	VALVE AS (AIR SHUTOFF)	
	14	1	**1C-0569**	2	BOLT (5/16-18X0.5-IN)	
	15	1	**9S-5282**	2	WASHER-HARD (8.8X14.5X2-MM THK)	
	16	1	**3N-7848**	1	SPRING	
	17	1	**5N-1703**	1	SPACER (6.8X21X9.52-MM THK)	
	18	1	**108-2858**	1	SPRING	
	19	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	20	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	21	1	**5N-5129**	1	SHAFT	
	22	1	**5N-5131**	1	BLOCK AS	
	22A	1	**5H-5744**	1	BUSHING-TERMINAL	
	23	1	**8T-6765**	1	PLUG-PIPE	
	24	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	25	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	26	1	**7P-7913**	2	MOUNT	
	27	1	**125-1303**	1	SWITCH GP-MAGNETIC (12-VOLT) (AIR SHUTOFF)	
	28	1	**136-7829**	1	BRACKET	



GRAPHIC #1 **<END>** g00655798

AIR INLET AND EXHAUST SYSTEM

274-7413 SHUTOFF GP-AIR

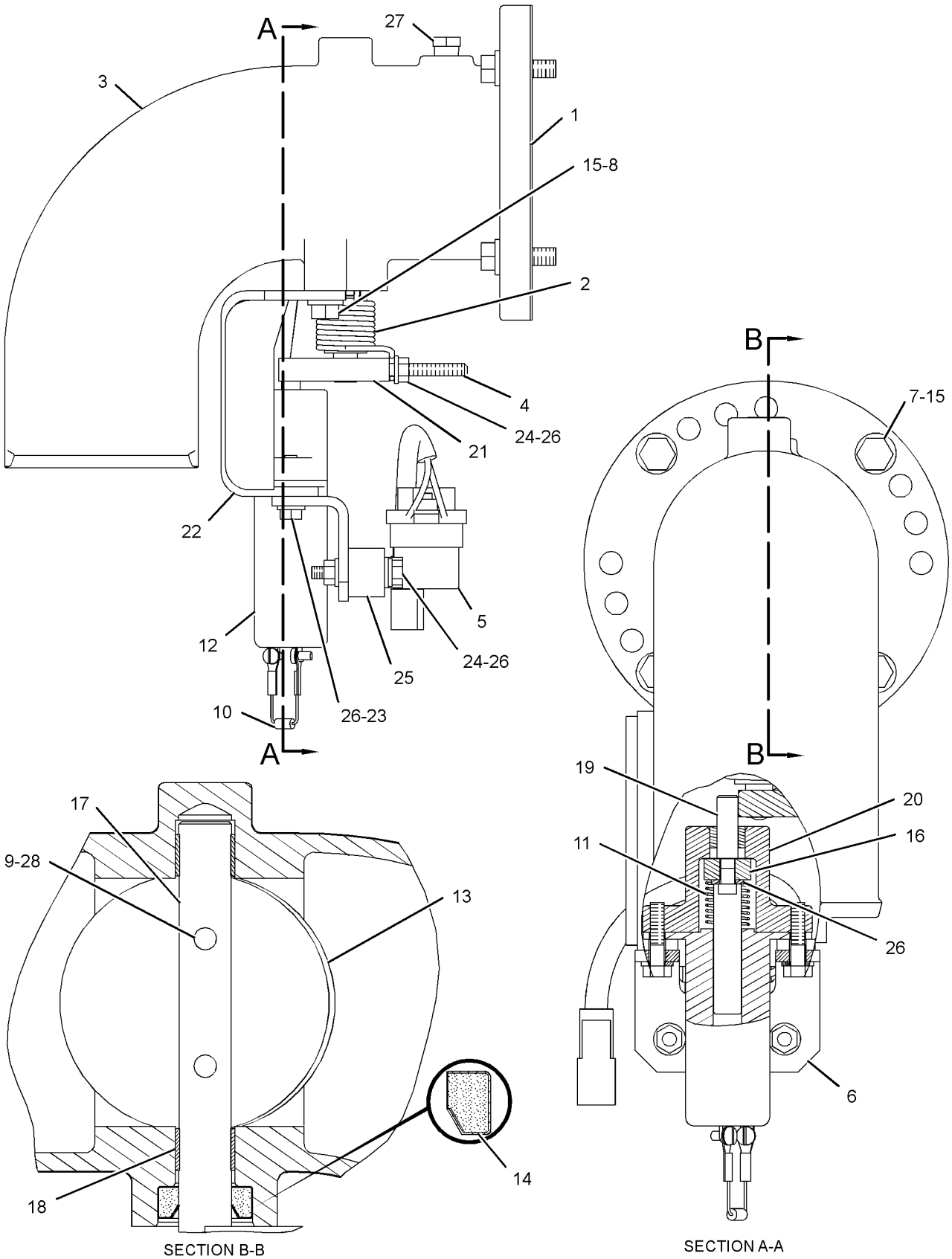
AN ATTACHMENT

SMCS-1078 **i03213221**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	2	1	**108-2858**	1	SPRING	
	3	1	**119-7556**	1	ELBOW	
	4	1	**119-9457**	1	ROD-HANDLE	
Y	5	1	**125-1302**	1	SWITCH GP-MAGNETIC (24-VOLT)	951
	6	1	**136-7829**	1	BRACKET	
	7	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	8	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	9	1	**1C-0569**	2	BOLT (5/16-18X0.5-IN)	
	10	1	**1W-9070**	1	DIODE AS	
	11	1	**3N-7848**	1	SPRING	
	12	1	**4N-3890**	1	SOLENOID AS (24-VOLT) (AIR INLET SHUTOFF)	
		1	**6V-8362**	2	SCREW-MACHINE (8-32X0.31-IN)	
		1	**9B-7233**	2	LOCKWASHER	
	13	1	**4P-8021**	1	VALVE AS (AIR SHUTOFF)	
	14	1	**5H-1190**	1	SEAL-LIP TYPE	
	15	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**5N-1703**	1	SPACER (6.8X21X9.52-MM THK)	
	17	1	*5N-2830*	1	SHAFT AS	
		1	**2L-3605**	1	PIN-SPRING	
		1	**4N-2883**	1	SHAFT-SHUTOFF	
		1	**5N-2829**	1	BUSHING-TERMINAL	
	18	1	**5N-3852**	2	BEARING	
	19	1	**5N-5129**	1	SHAFT	
	20	1	**5N-5131**	1	BLOCK AS	
		1	**5H-5744**	1	BUSHING-TERMINAL	
	21	1	**5N-5662**	1	LATCH	
	22	1	**5N-5664**	1	BRACKET AS	
	23	1	**6D-2928**	2	BOLT (1/4-20X1.125-IN)	
	24	1	**6V-8185**	5	NUT (1/4-20-THD)	
	25	1	**7P-7913**	2	MOUNT	
	26	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	27	1	**8T-6765**	1	PLUG-PIPE	
	28	1	**9S-5282**	2	WASHER-HARD (8.8X14.5X2-MM THK)	

Y-SEPARATE ILLUSTRATION

274-7413 **SHUTOFF GP-AIR** *(contd.)* **i03213221**



GRAPHIC #1 **<END>** g01262310

AIR INLET AND EXHAUST SYSTEM

283-6414 SHUTOFF GP-AIR

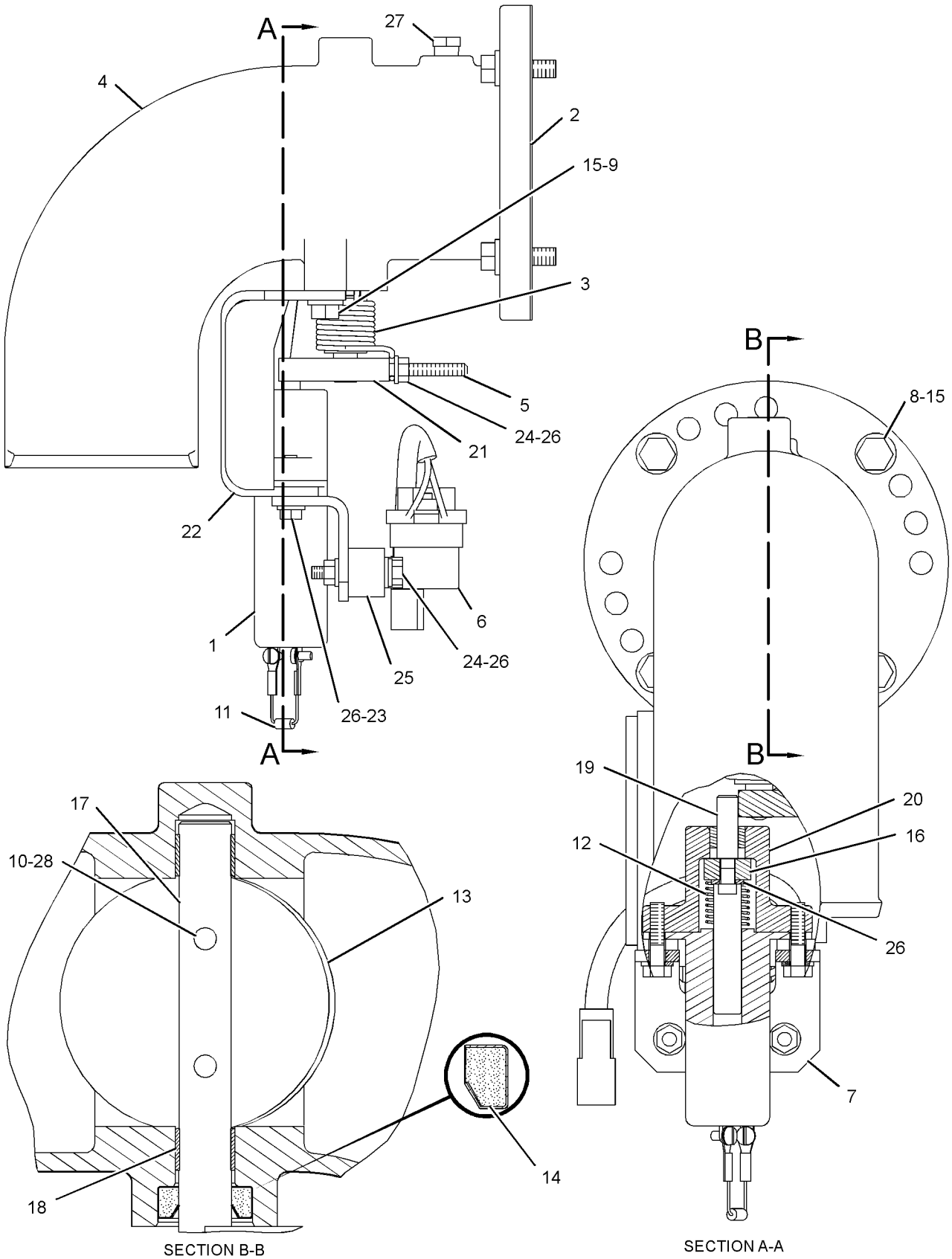
AN ATTACHMENT

SMCS-1078 **i03213222**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-3889**	1	SOLENOID-SHUTOFF (12-VOLT) (AIR INLET)	
	2	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	3	1	**108-2858**	1	SPRING	
	4	1	**119-7556**	1	ELBOW	
	5	1	**119-9457**	1	ROD-HANDLE	
Y	6	1	**125-1303**	1	SWITCH GP-MAGNETIC (12-VOLT) (AIR SHUTOFF)	952
	7	1	**136-7829**	1	BRACKET	
	8	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	9	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	10	1	**1C-0569**	2	BOLT (5/16-18X0.5-IN)	
	11	1	**1W-9070**	1	DIODE AS	
	12	1	**3N-7848**	1	SPRING	
	13	1	**4P-8021**	1	VALVE AS (AIR SHUTOFF)	
	14	1	**5H-1190**	1	SEAL-LIP TYPE	
	15	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**5N-1703**	1	SPACER (6.8X21X9.52-MM THK)	
	17	1	*5N-2830*	1	SHAFT AS	
		1	**2L-3605**	1	PIN-SPRING	
		1	**4N-2883**	1	SHAFT-SHUTOFF	
		1	**5N-2829**	1	BUSHING-TERMINAL	
	18	1	**5N-3852**	2	BEARING	
	19	1	**5N-5129**	1	SHAFT	
	20	1	**5N-5131**	1	BLOCK AS	
		1	**5H-5744**	1	BUSHING-TERMINAL	
	21	1	**5N-5662**	1	LATCH	
	22	1	**5N-5664**	1	BRACKET AS	
	23	1	**6D-2928**	2	BOLT (1/4-20X1.125-IN)	
	24	1	**6V-8185**	5	NUT (1/4-20-THD)	
	25	1	**7P-7913**	2	MOUNT	
	26	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	27	1	**8T-6765**	1	PLUG-PIPE	
	28	1	**9S-5282**	2	WASHER-HARD (8.8X14.5X2-MM THK)	

Y-SEPARATE ILLUSTRATION

283-6414 **SHUTOFF GP-AIR** *(contd.)* **i03213222**



GRAPHIC #1 **<END>** g01262314

AIR INLET AND EXHAUST SYSTEM

285-4122 SHUTOFF GP-AIR

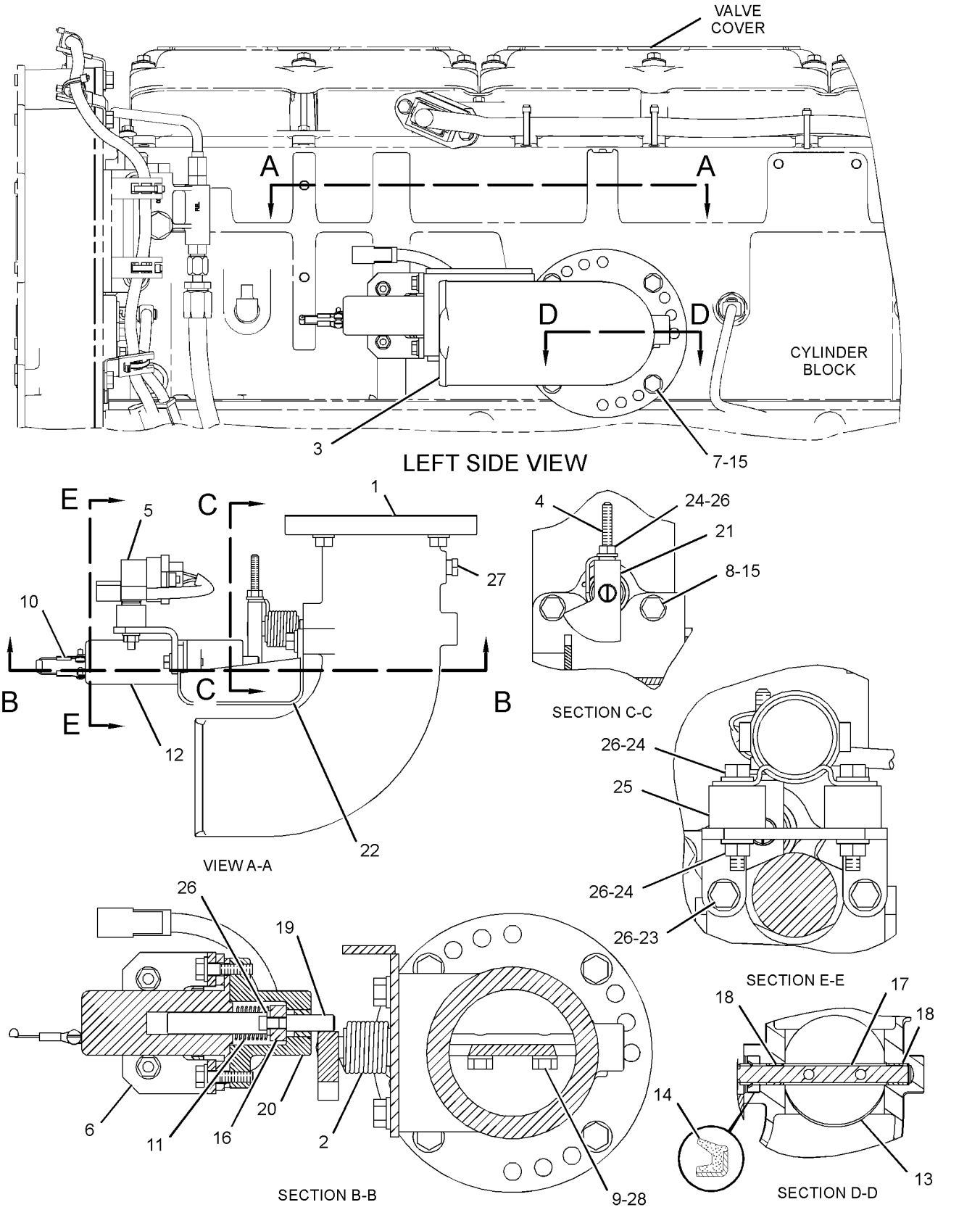
S/N: JRE1384-UP
CANNOT BE USED WITH AIR COMPRESSORS (BA921/BA922), STANDARD PUMP GP-FUEL PRIMING/MIDMOUNT FUEL LINES
AN ATTACHMENT

SMCS-1078 **i03213223**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	
	2	1	**108-2858**	1	SPRING	
	3	1	**119-7556**	1	ELBOW	
	4	1	**119-9457**	1	ROD-HANDLE	
Y	5	1	**125-1302**	1	SWITCH GP-MAGNETIC (24-VOLT)	951
	6	1	**136-7829**	1	BRACKET	
	7	1	**0S-1588**	4	BOLT (3/8-16X1.25-IN)	
	8	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	9	1	**1C-0569**	2	BOLT (5/16-18X0.5-IN)	
	10	1	**1W-9070**	1	DIODE AS	
	11	1	**3N-7848**	1	SPRING	
	12	1	**4N-3890**	1	SOLENOID AS (24-VOLT) (AIR INLET SHUTOFF)	
		1	**6V-8362**	2	SCREW-MACHINE (8-32X0.31-IN)	
		1	**9B-7233**	2	LOCKWASHER	
	13	1	**4P-8021**	1	VALVE AS (AIR SHUTOFF)	
	14	1	**5H-1190**	1	SEAL-LIP TYPE	
	15	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	16	1	**5N-1703**	1	SPACER (6.8X21X9.52-MM THK)	
	17	1	*5N-2830*	1	SHAFT AS	
		1	**2L-3605**	1	PIN-SPRING	
		1	**4N-2883**	1	SHAFT-SHUTOFF	
		1	**5N-2829**	1	BUSHING-TERMINAL	
	18	1	**5N-3852**	2	BEARING	
	19	1	**5N-5129**	1	SHAFT	
	20	1	**5N-5131**	1	BLOCK AS	
		1	**5H-5744**	1	BUSHING-TERMINAL	
	21	1	**5N-5662**	1	LATCH	
	22	1	**5N-5664**	1	BRACKET AS	
	23	1	**6D-2928**	2	BOLT (1/4-20X1.125-IN)	
	24	1	**6V-8185**	5	NUT (1/4-20-THD)	
	25	1	**7P-7913**	2	MOUNT	
	26	1	**8T-4205**	8	WASHER-HARD (7.2X14.5X2-MM THK)	
	27	1	**8T-6765**	1	PLUG-PIPE	
	28	1	**9S-5282**	2	WASHER-HARD (8.8X14.5X2-MM THK)	

Y-SEPARATE ILLUSTRATION

285-4122 **SHUTOFF GP-AIR** *(contd.)* **i03213223**



GRAPHIC #1 **<END>** g01260803

AIR INLET AND EXHAUST SYSTEM

236-7659 TURBOCHARGER GP

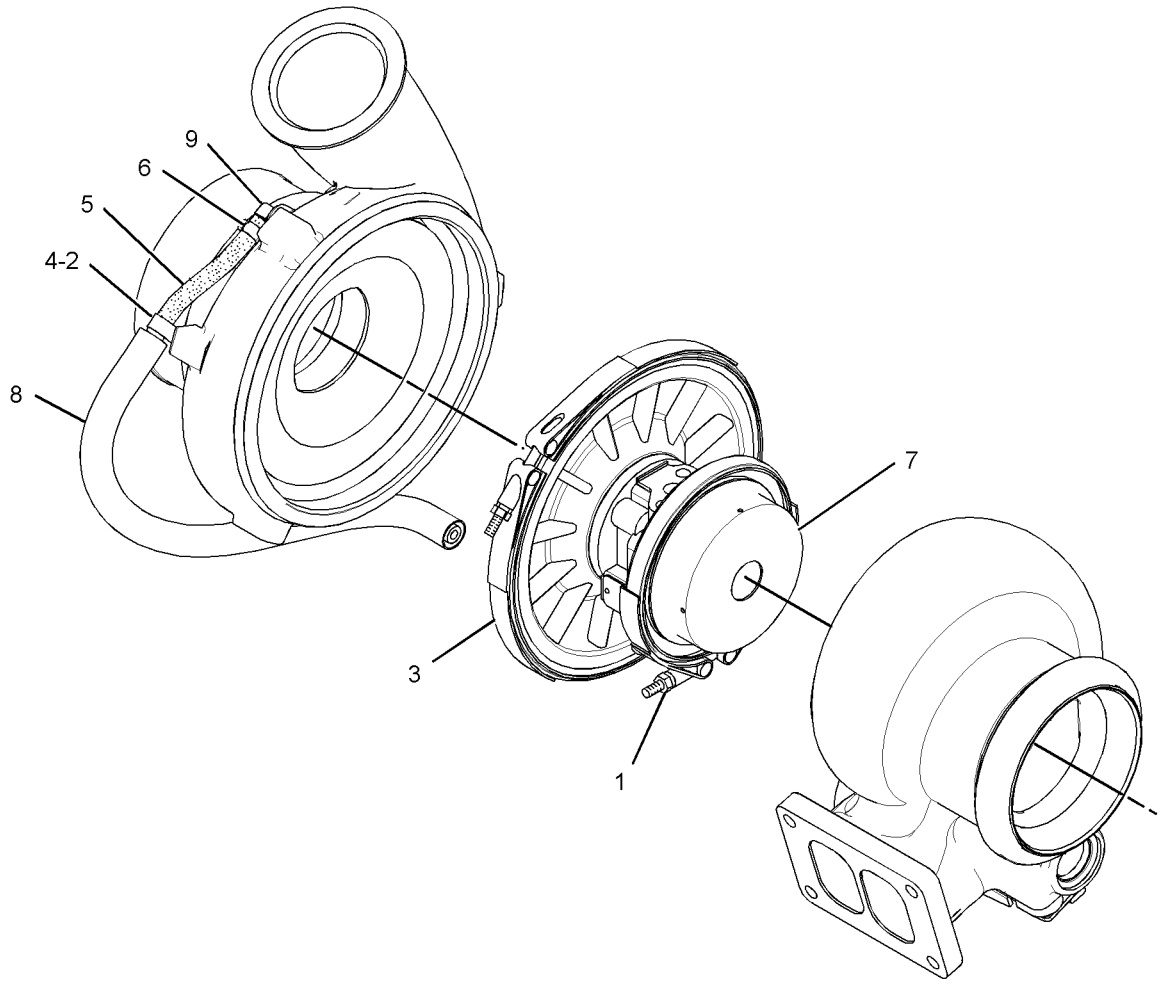
PART OF 252-9658 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i03075289**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-2038**	1	CLAMP AS-TURBINE	
	2	1	**115-7087**	1	BOLT (M6X0.04X10.4-MM)	
	3	1	**268-2960**	1	CLAMP AS (COMPRESSOR)	
	4	1	**161-6958**	1	CLIP-HOSE	
E	5	1	**242-3360**		HOSE (55-CM)	
	6	1	**161-6963**	2	CLAMP	
	7	1	**240-0291**	1	CARTRIDGE GP-TURBOCHARGER	
E	8	1	**258-4524**		SLEEVE (45-CM)	
	9	1	**5P-4536**	1	ELBOW	

E-ORDER BY THE CENTIMETER



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AIR INLET AND EXHAUST SYSTEM

239-9988 TURBOCHARGER GP*R

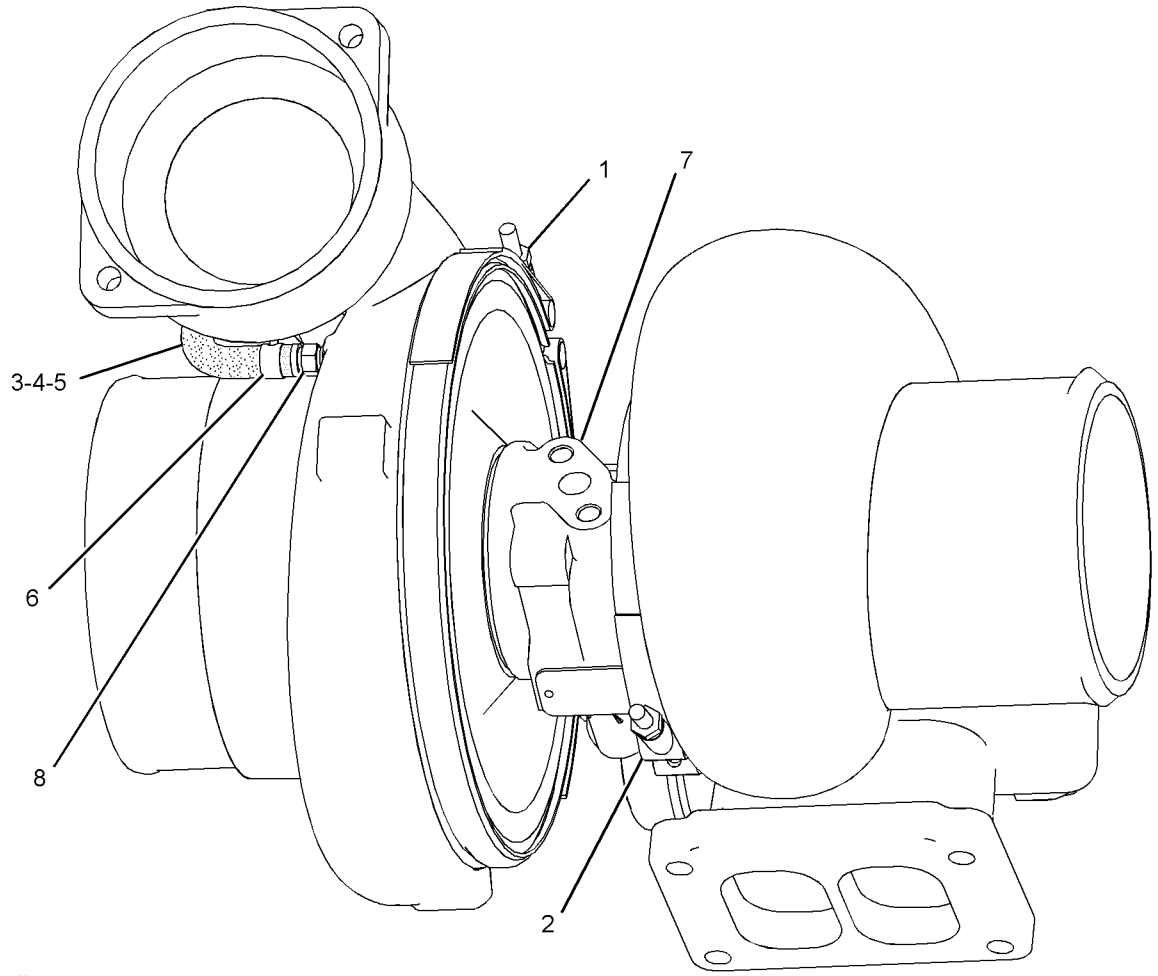
PART OF 242-3492 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i02239996**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-2297**	1	CLAMP AS (COMPRESSOR)	
	2	1	**9N-2038**	1	CLAMP AS-TURBINE	
	3	1	**115-7087**	1	BOLT (M6X0.04X10.4-MM)	
	4	1	**161-6958**	1	CLIP-HOSE	
	5	1	**161-6960**	1	HOSE	
	6	1	**161-6963**	2	CLAMP	
R	7	1	**194-7919**	1	CARTRIDGE GP-TURBOCHARGER	
	8	1	**2V-4868**	1	FITTING (1/8-27 PTF)	

R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01129294

AIR INLET AND EXHAUST SYSTEM

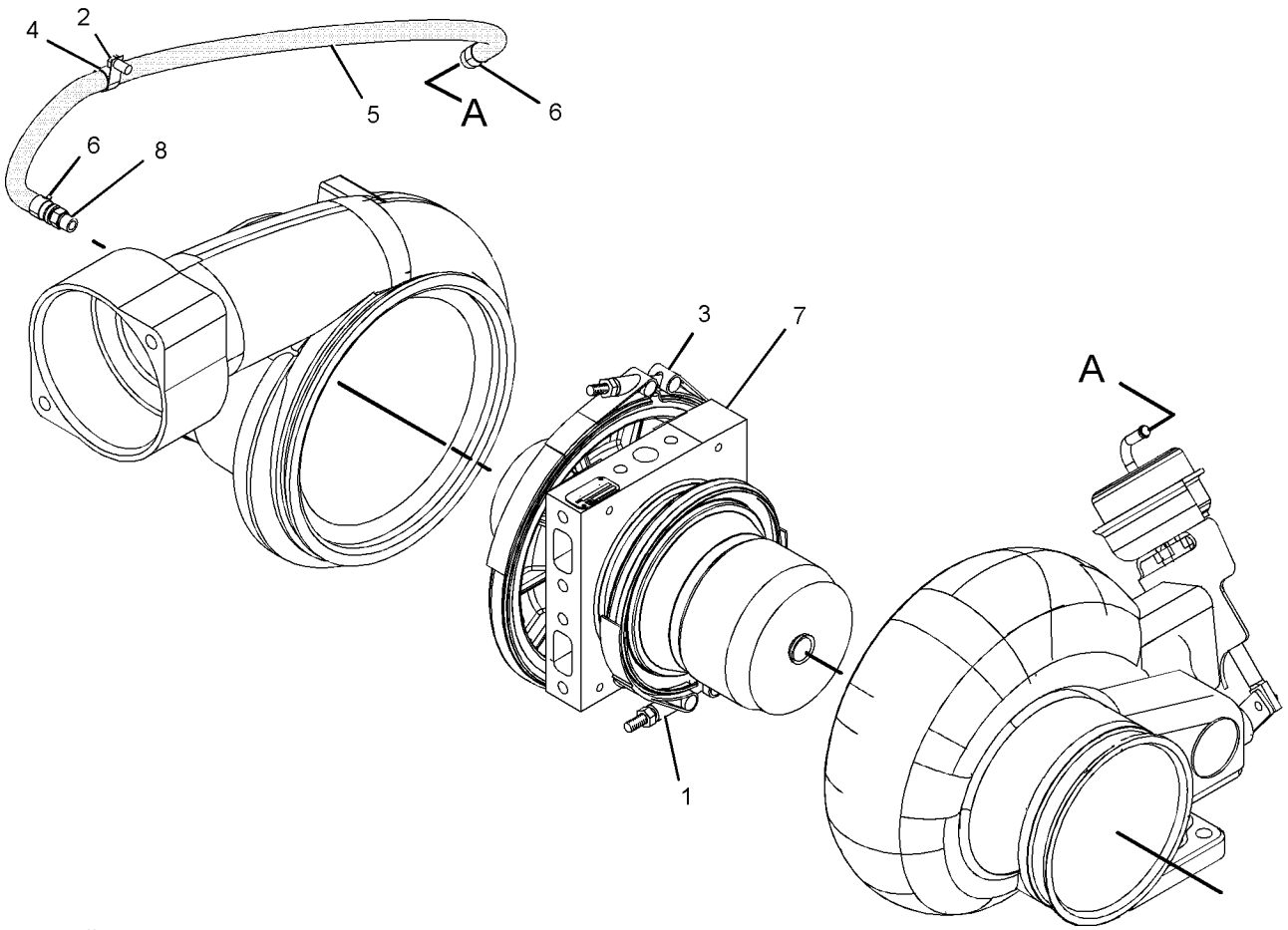
240-0003 TURBOCHARGER GP

PART OF 241-3006 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i02121704**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-2038**	1	CLAMP AS-TURBINE	
	2	1	**115-7087**	1	BOLT (M6X0.04X10.4-MM)	
	3	1	**7W-2297**	1	CLAMP AS (COMPRESSOR)	
	4	1	**161-6958**	1	CLIP-HOSE	
	5	1	**161-6960**	1	HOSE	
	6	1	**161-6963**	2	CLAMP	
	7	1	**255-5477**	1	CARTRIDGE GP-TURBOCHARGER	
	8	1	**2V-4868**	1	FITTING	



GRAPHIC #1 **<END>** g01080854

AIR INLET AND EXHAUST SYSTEM

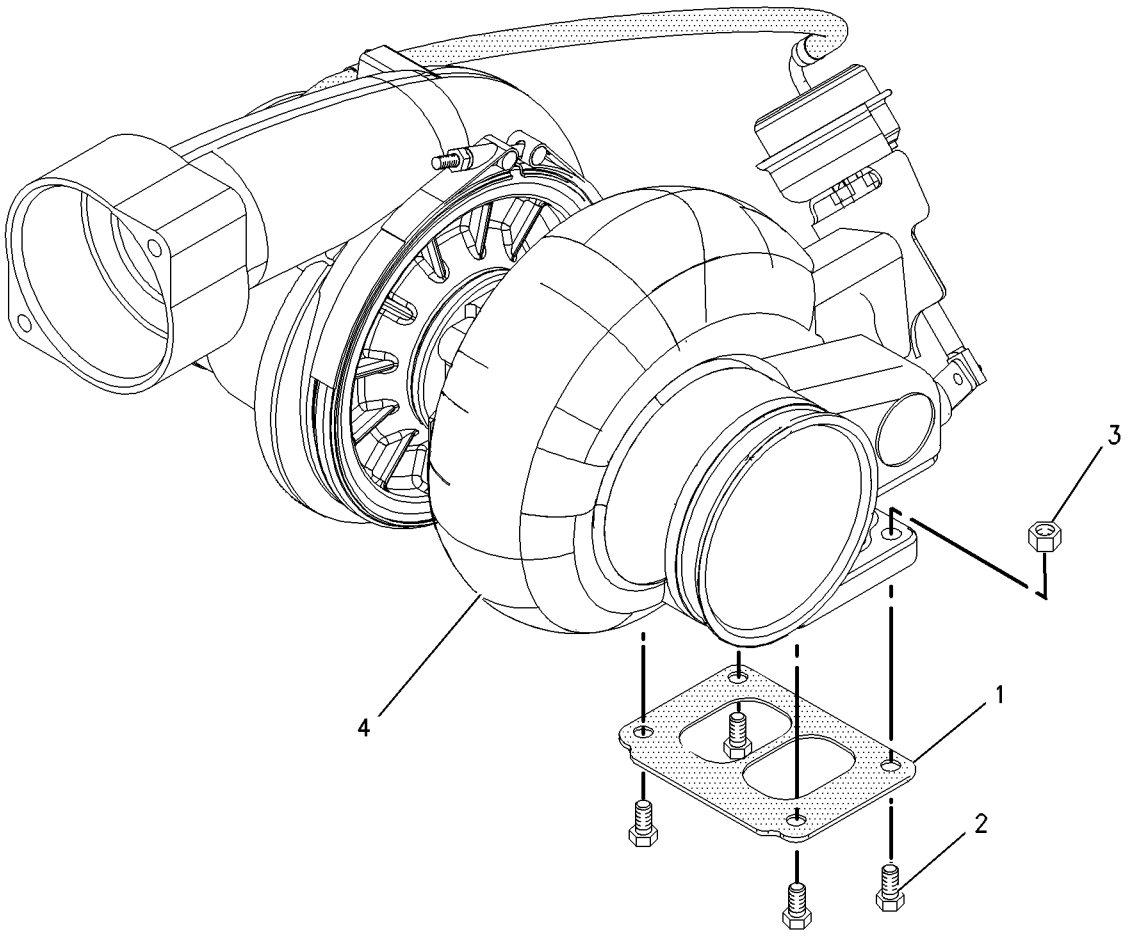
241-3006 TURBOCHARGER GP

DRY CENTER SECTION AND EXHAUST REAR FEATURES
FOR USE WITH EXHAUST MANIFOLDS REQUIRING BOLTS
AN ATTACHMENT

SMCS-1052, 1053 **i02225544**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4295**	1	GASKET (TURBOCHARGER)	
	2	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	3	1	**2N-2766**	4	LOCKNUT (3/8-16-THD)	
Y	4	1	**240-0003**	1	TURBOCHARGER GP	693

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00752171

AIR INLET AND EXHAUST SYSTEM

242-3492 TURBOCHARGER GP

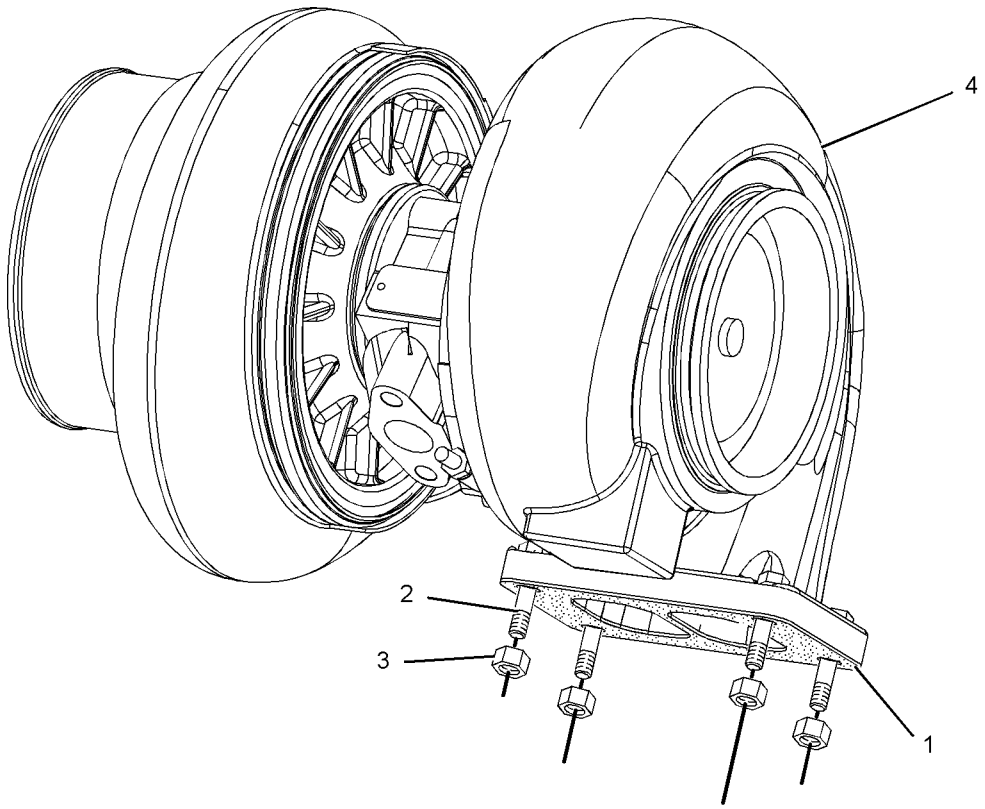
FORWARD EXHAUST, DRY CENTER SECTION

AN ATTACHMENT

SMCS-1052, 1053 **i02249488**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4295**	1	GASKET (TURBOCHARGER)	
	2	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	3	1	**2N-2766**	4	LOCKNUT (3/8-16-THD)	
Y	4	1	**239-9988**	1	TURBOCHARGER GP	692

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01077811

AIR INLET AND EXHAUST SYSTEM

251-4880 TURBOCHARGER GP

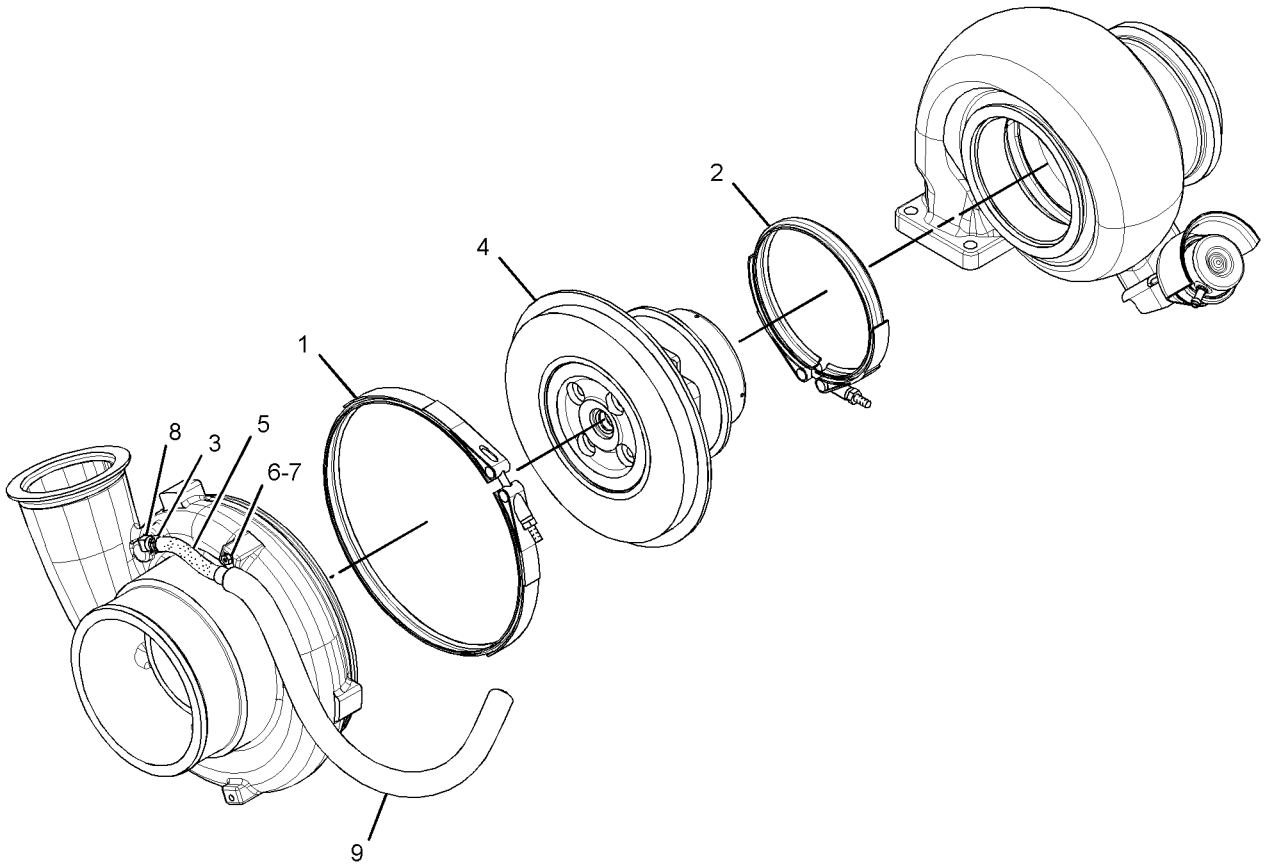
PART OF 252-9659 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i03075294**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-2297**	1	CLAMP AS (COMPRESSOR)	
	2	1	**9N-2038**	1	CLAMP AS-TURBINE	
	3	1	**161-6963**	2	CLAMP	
	4	1	**240-0291**	1	CARTRIDGE GP-TURBOCHARGER	
E	5	1	**242-3360**		HOSE (55-CM)	
	6	1	**161-6958**	1	CLIP-HOSE	
	7	1	**115-7087**	1	BOLT (M6X0.04X10.4-MM)	
	8	1	**5P-4536**	1	ELBOW	
E	9	1	**258-4524**		SLEEVE (44-CM)	
					PARTS SHOWN IN GRAPHIC(S) WITHOUT A REFERENCE NUMBER ARE NOT SERVICED SEPARATELY	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g01621990

AIR INLET AND EXHAUST SYSTEM

252-0803 TURBOCHARGER GP

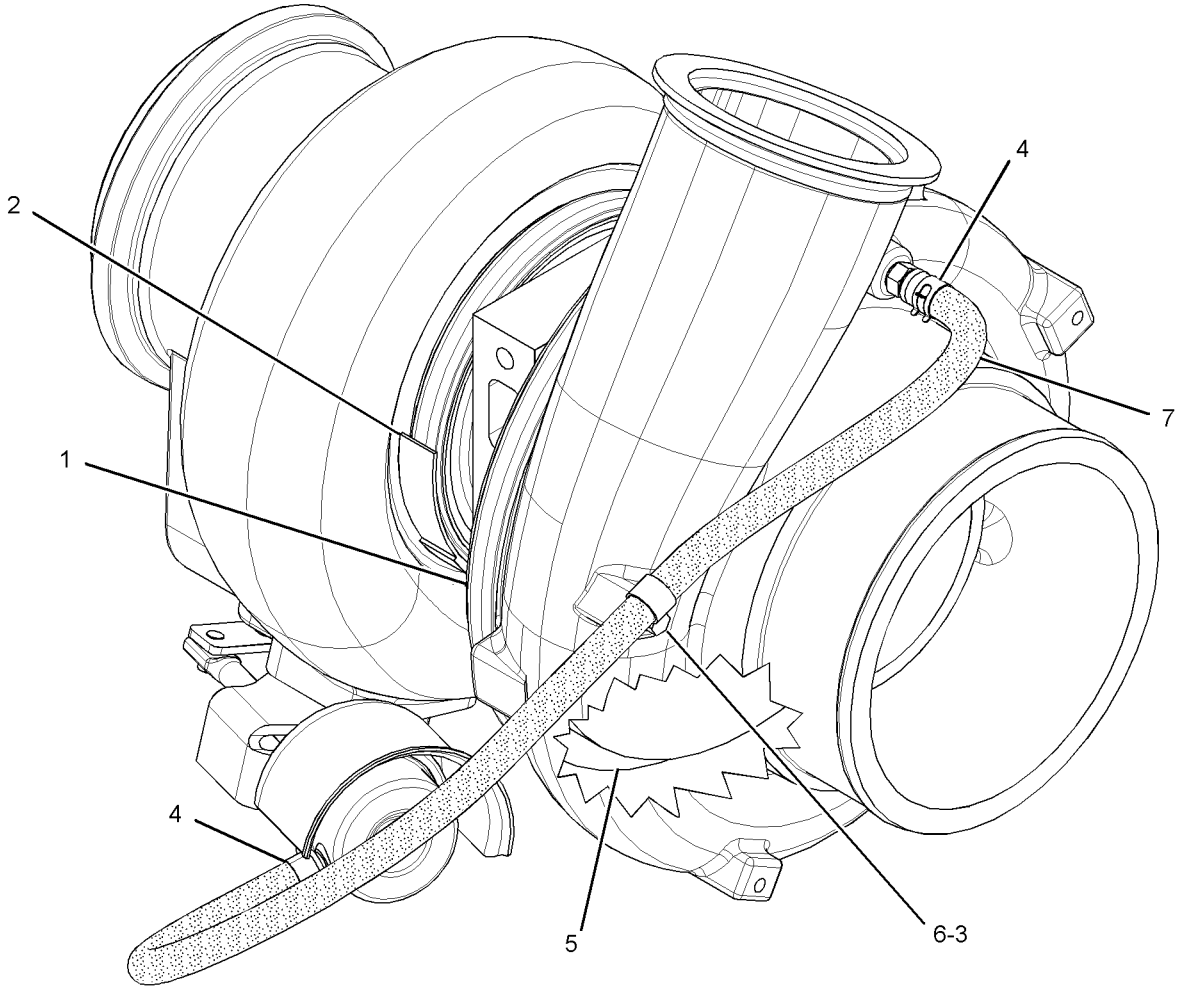
PART OF 317-2294 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i02951799**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-2297**	1	CLAMP AS (COMPRESSOR)	
	2	1	**9N-2038**	1	CLAMP AS-TURBINE	
	3	1	**161-6958**	1	CLIP-HOSE	
	4	1	**161-6963**	2	CLAMP	
	5	1	**268-3488**	1	CARTRIDGE GP-TURBOCHARGER	
	6	1	**115-7087**	1	BOLT (M6X0.04X10.4-MM)	
E	7	1	**242-3360**		HOSE (64-CM)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g01471275

AIR INLET AND EXHAUST SYSTEM

252-0804 TURBOCHARGER GP

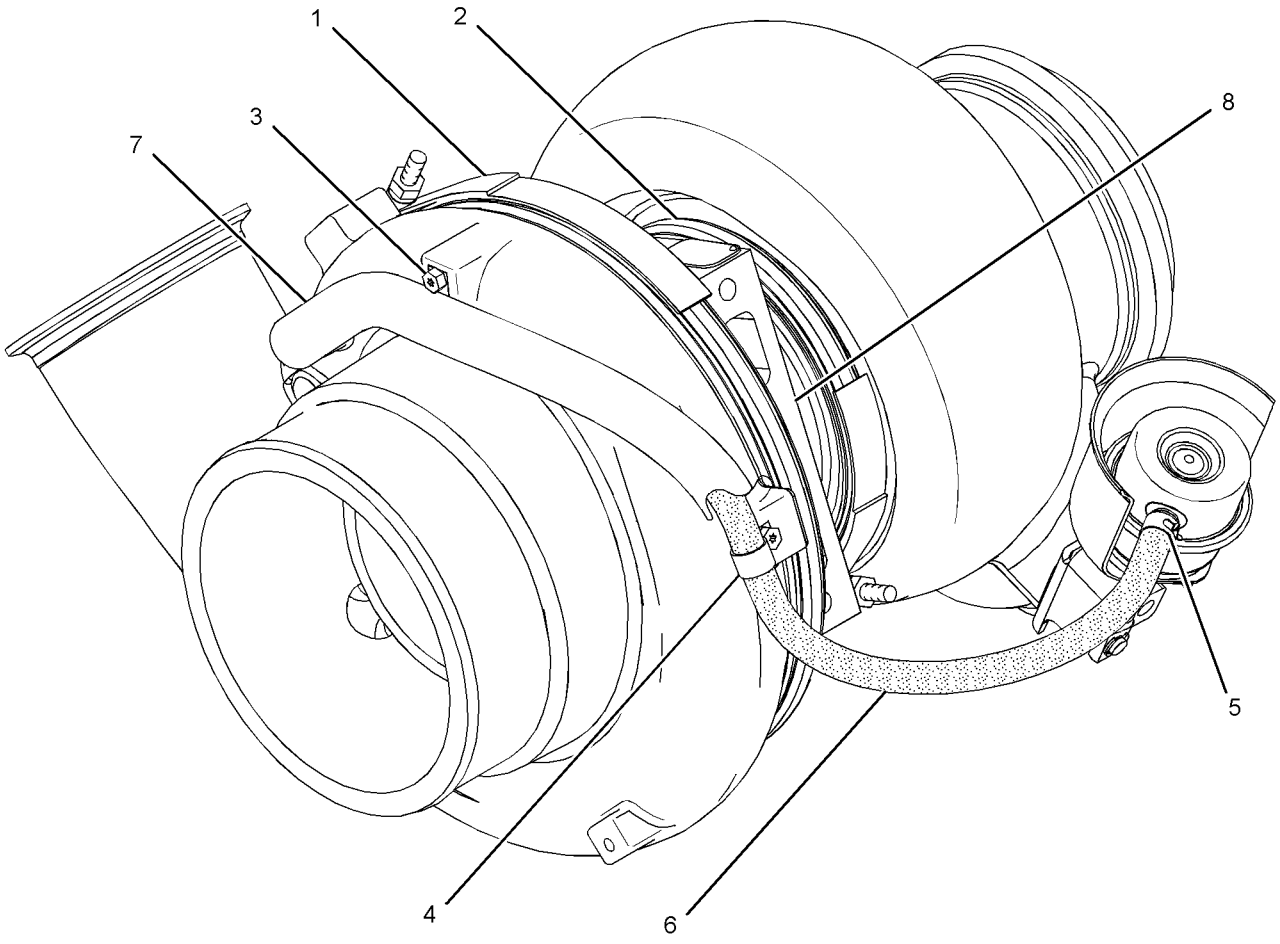
PART OF 282-4394 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i02990407**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-2297**	1	CLAMP AS (COMPRESSOR)	
	2	1	**9N-2038**	1	CLAMP AS-TURBINE	
	3	1	**115-7087**	1	BOLT (M6X0.04X10.4-MM)	
	4	1	**161-6958**	1	CLIP-HOSE	
	5	1	**161-6963**	2	CLAMP	
E	6	1	**242-3360**		HOSE (56-CM)	
E	7	1	**258-4524**		SLEEVE (42-CM)	
	8	1	**268-3488**	1	CARTRIDGE GP-TURBOCHARGER	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g01259272

AIR INLET AND EXHAUST SYSTEM

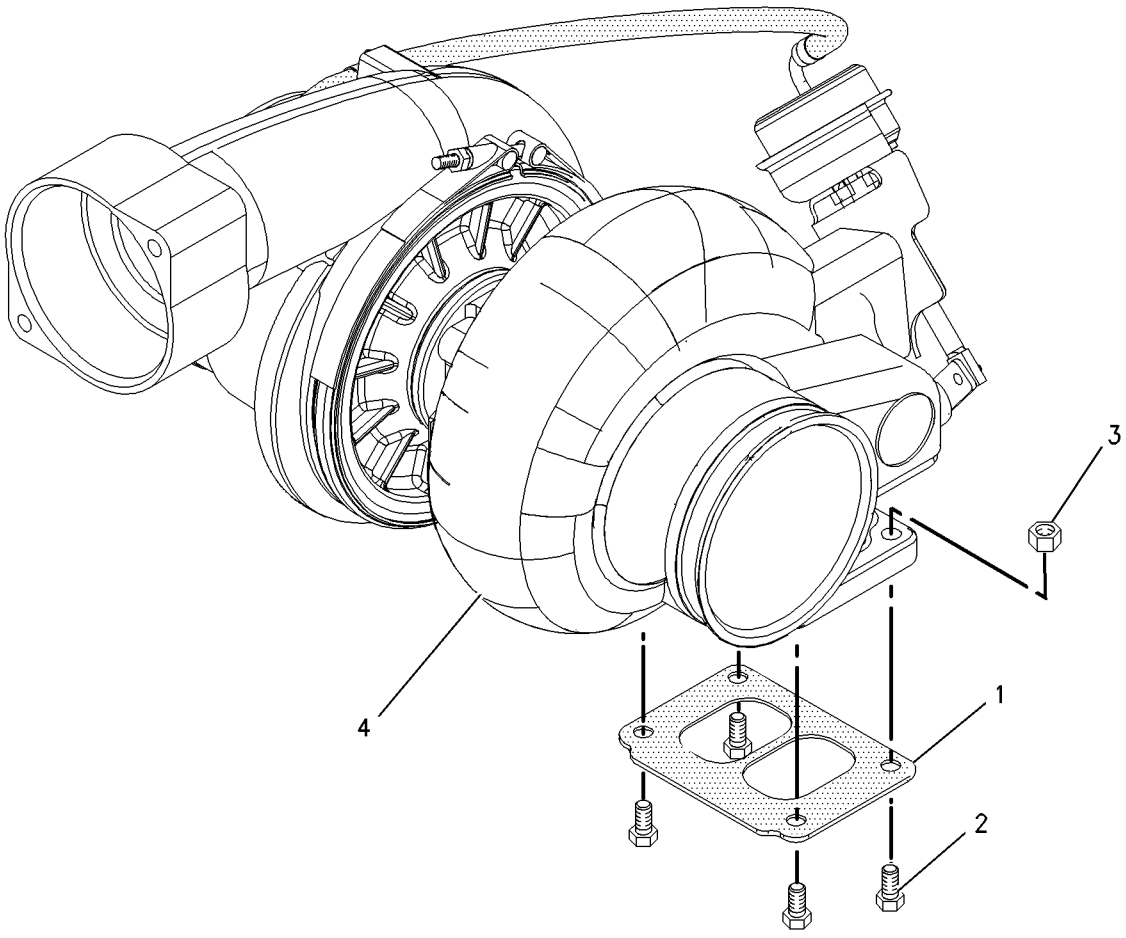
252-9658 TURBOCHARGER GP

DRY CENTER SECTION AND EXHAUST REAR FEATURES
FOR USE WITH EXHAUST MANIFOLDS REQUIRING BOLTS
AN ATTACHMENT

SMCS-1052, 1053 **i02265336**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4295**	1	GASKET (TURBOCHARGER)	
	2	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	3	1	**2N-2766**	4	LOCKNUT (3/8-16-THD)	
Y	4	1	**236-7659**	1	TURBOCHARGER GP	691

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00752171

AIR INLET AND EXHAUST SYSTEM

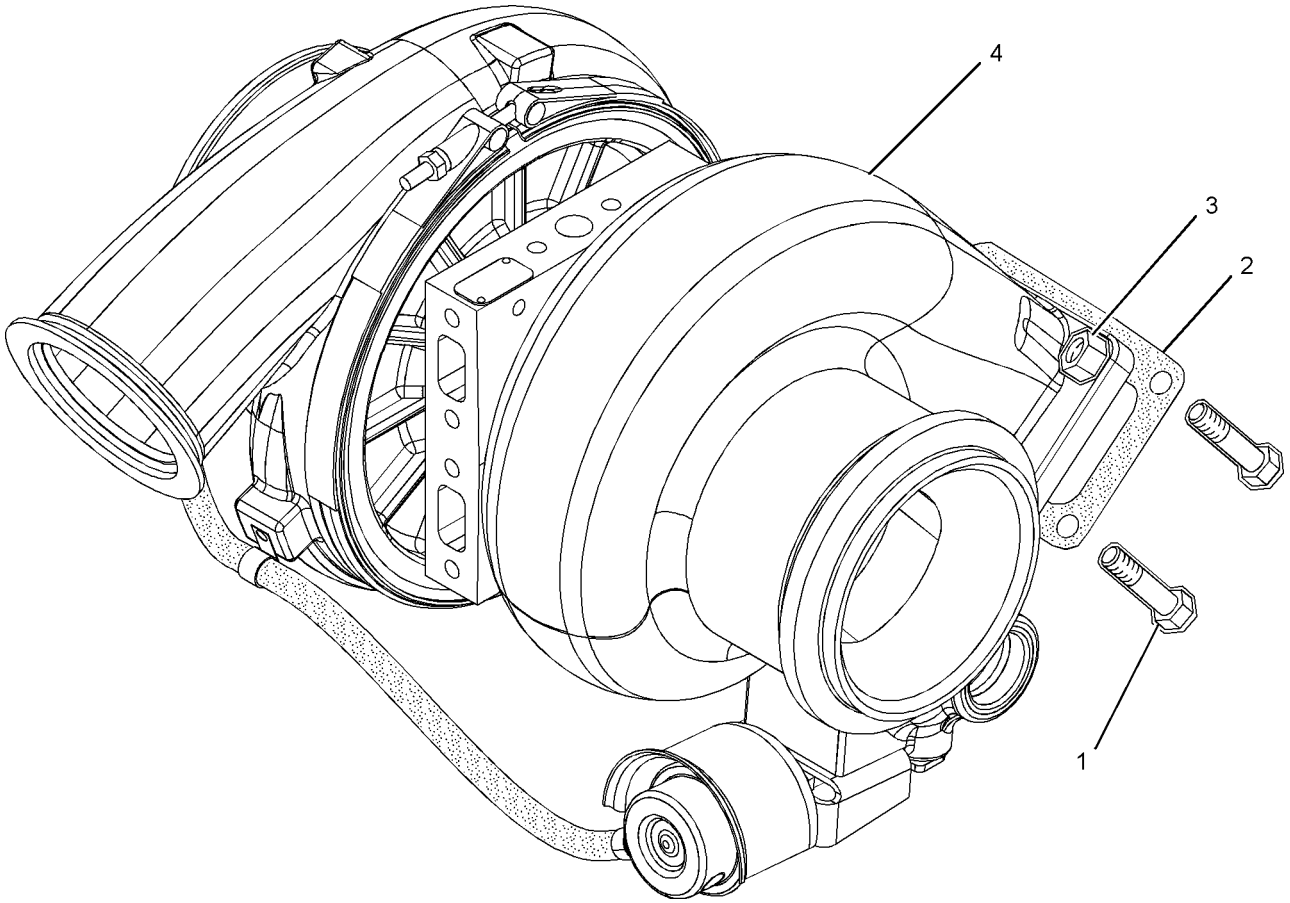
252-9659 TURBOCHARGER GP

DRY CENTER SECTION AND EXHAUST FRONT FEATURES
FOR USE WITH EXHAUST MANIFOLDS REQUIRING BOLTS
AN ATTACHMENT

SMCS-1052, 1053 **i02225547**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1		**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	2		**1S-4295**	1	GASKET (TURBOCHARGER)	
	3		**2N-2766**	4	LOCKNUT (3/8-16-THD)	
Y	4		**251-4880**	1	TURBOCHARGER GP	696

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01085297

AIR INLET AND EXHAUST SYSTEM

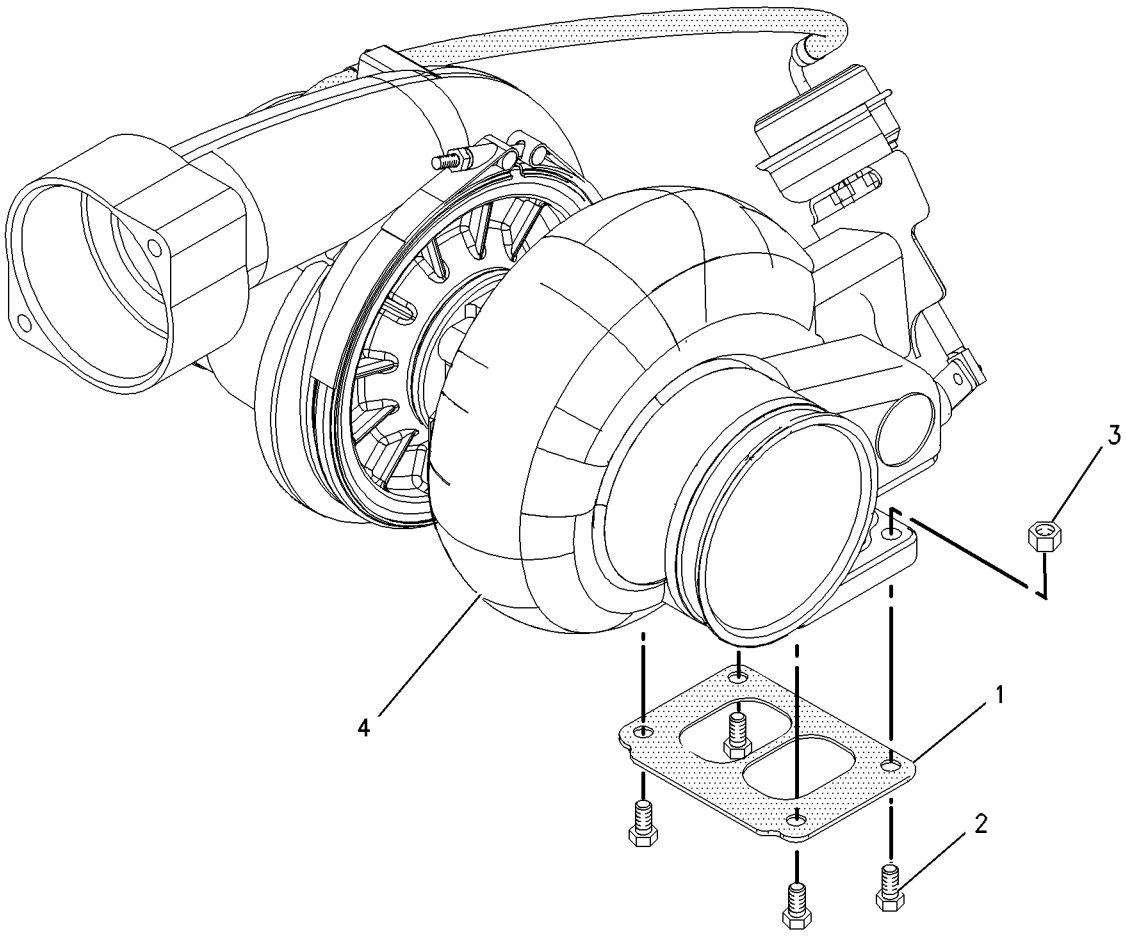
282-4394 TURBOCHARGER GP

WET CENTER SECTION, EXHAUST FRONT
FOR USE WITH C-E RATINGS
AN ATTACHMENT

SMCS-1052, 1053 **i02425934**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4295**	1	GASKET (TURBOCHARGER)	
	2	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	3	1	**2N-2766**	4	LOCKNUT (3/8-16-THD)	
Y	4	1	**252-0804**	1	TURBOCHARGER GP	698

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00752171

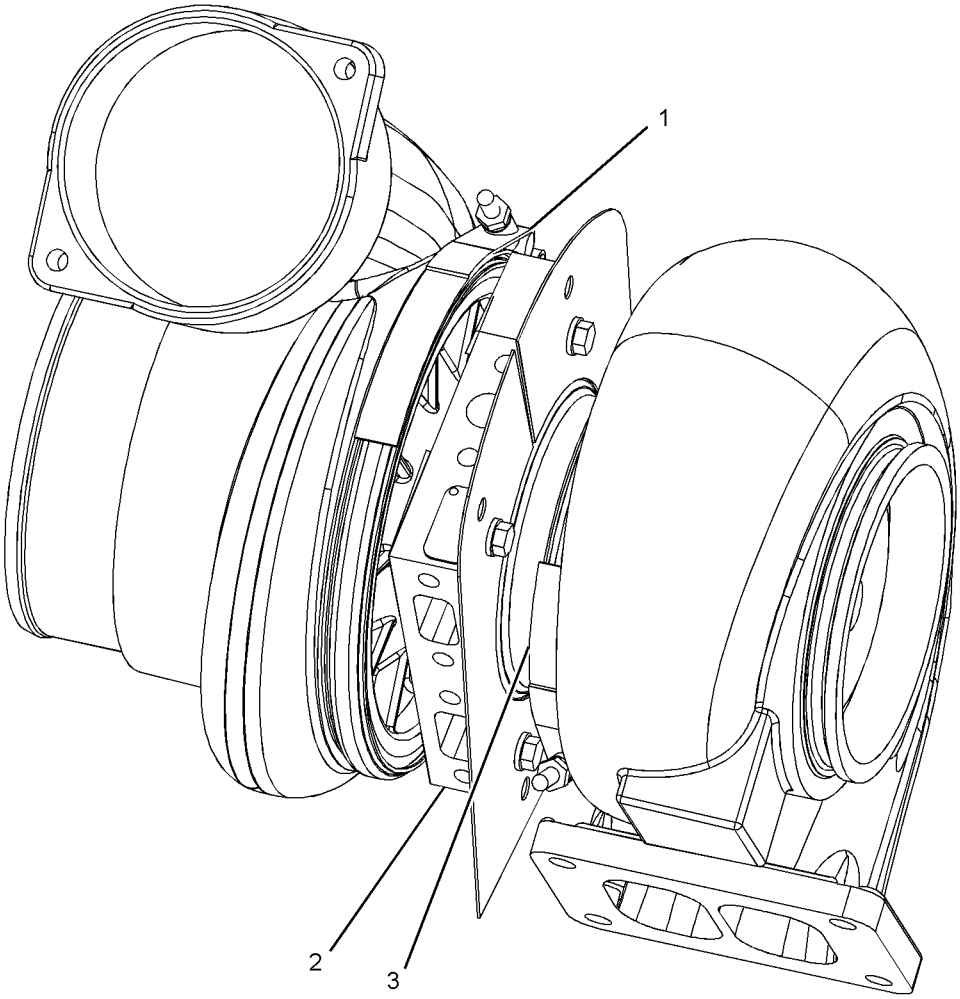
AIR INLET AND EXHAUST SYSTEM

284-2712 TURBOCHARGER GP*R

PART OF 284-2776 TURBOCHARGER GP

SMCS-1052, 1053 **i02673193**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-2038**	1	CLAMP AS-TURBINE	
	2	1	**268-0220**	1	CARTRIDGE GP-TURBOCHARGER	
	3	1	**268-2960**	1	CLAMP AS (COMPRESSOR)	



GRAPHIC #1 **<END>** g01342560

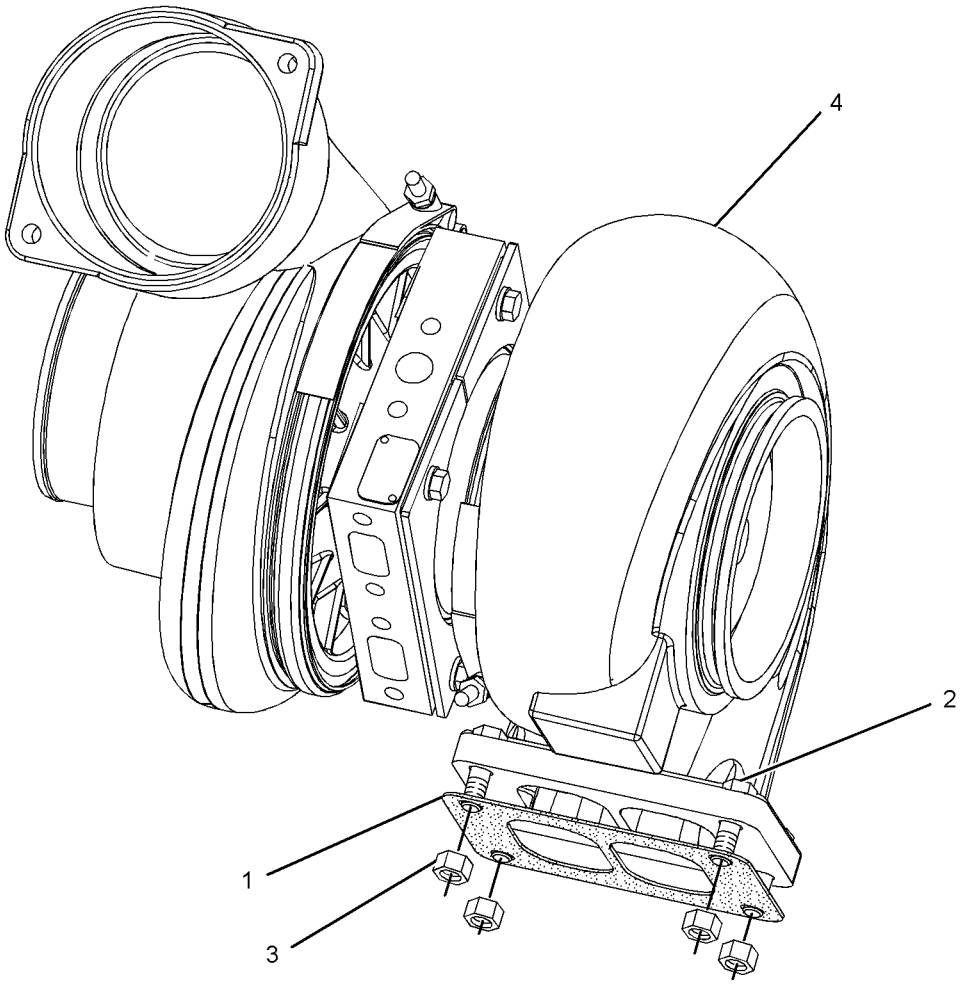
AIR INLET AND EXHAUST SYSTEM

284-2776 TURBOCHARGER GP

SMCS-1052, 1053 **i02491390**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4295**	1	GASKET (TURBOCHARGER)	
	2	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
	3	1	**2N-2766**	4	LOCKNUT (3/8-16-THD)	
YR	4	1	**284-2712**	1	TURBOCHARGER GP	702

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01333547

AIR INLET AND EXHAUST SYSTEM

296-7644 TURBOCHARGER GP

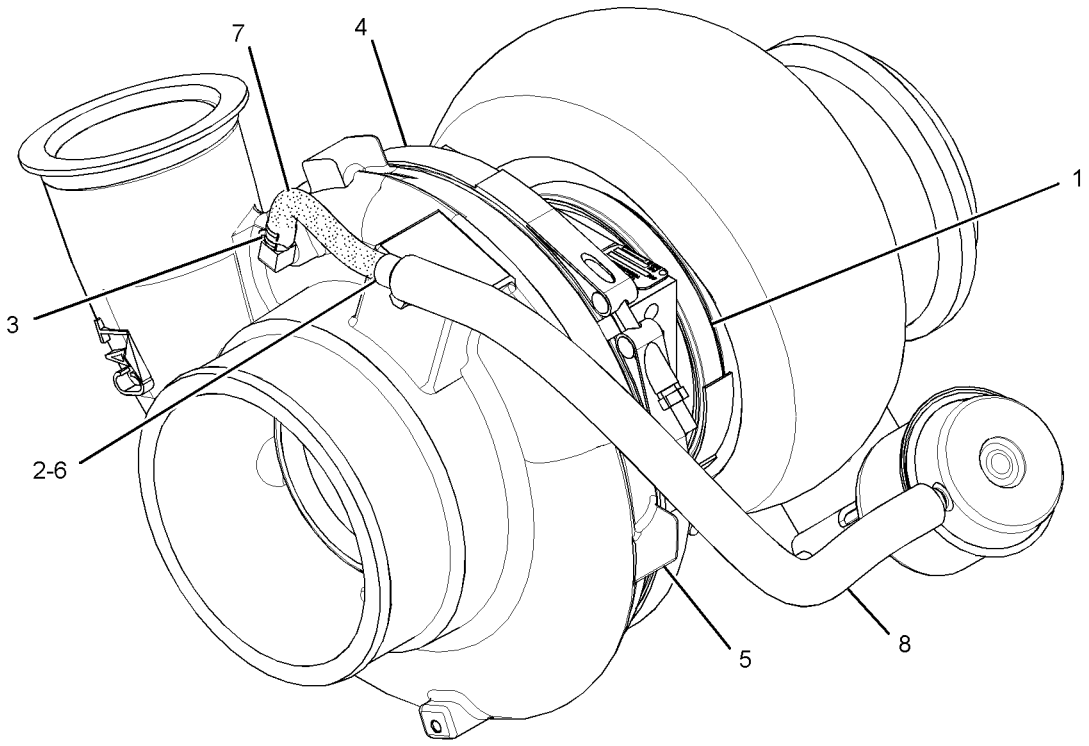
PART OF 317-2296 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i03641689**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9N-2038**	1	CLAMP AS-TURBINE	
		1	**7M-9918**	1	LOCKNUT (1/4-28-THD)	
	2	1	**161-6958**	1	CLIP-HOSE	
	3	1	**161-6963**	2	CLAMP (55-CM)	
	4	1	**268-2960**	1	CLAMP AS (COMPRESSOR)	
		1	**7M-9918**	1	LOCKNUT (1/4-28-THD)	
	5	1	**296-7650**	1	CARTRIDGE GP-TURBOCHARGER	
	6	1	**115-7087**	1	BOLT (M6X0.04X10.4-MM)	
E	7	1	**242-3360**		HOSE	
E	8	1	**258-4524**		SLEEVE (42-CM)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g01487276

AIR INLET AND EXHAUST SYSTEM

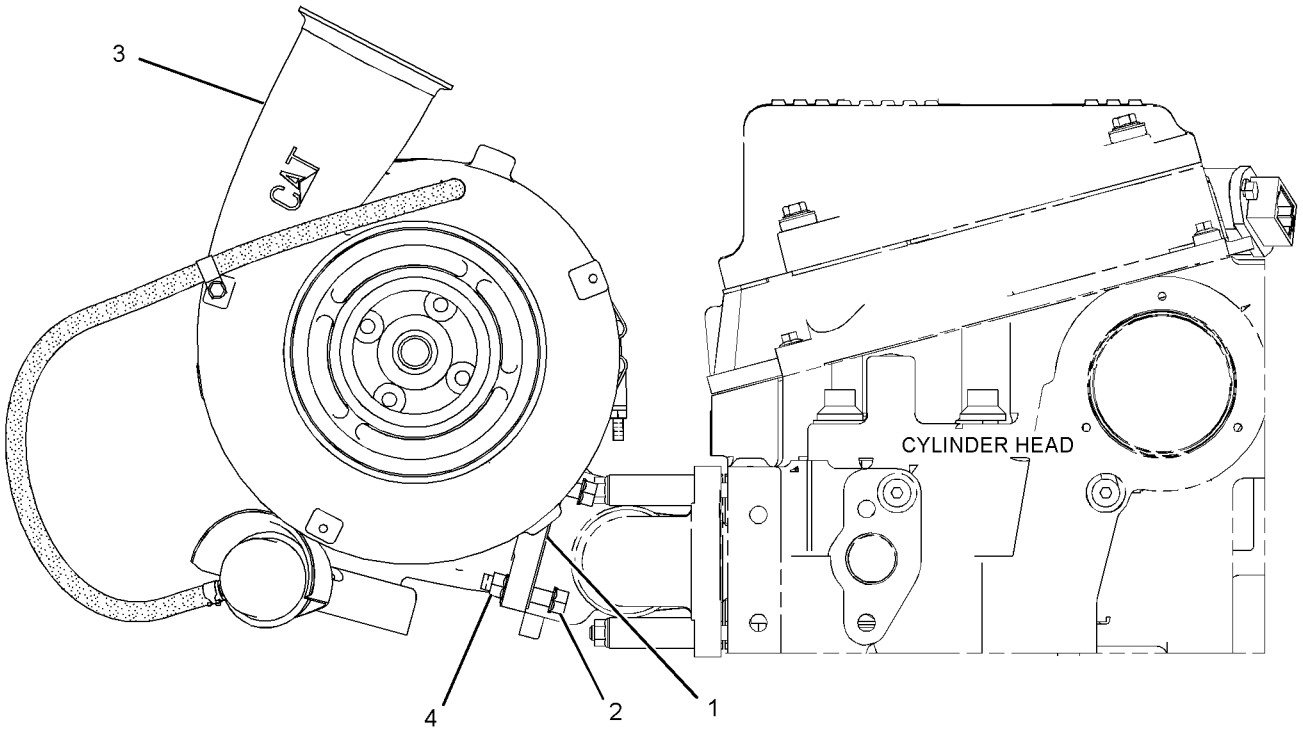
317-2294 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i02951554**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4295**	1	GASKET (TURBOCHARGER)	
	2	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
Y	3	1	**252-0803**	1	TURBOCHARGER GP	697
	4	1	**2N-2766**	4	LOCKNUT (3/8-16-THD)	

Y-SEPARATE ILLUSTRATION



FRONT VIEW OF ENGINE

GRAPHIC #1 **<END>** g01482616

AIR INLET AND EXHAUST SYSTEM

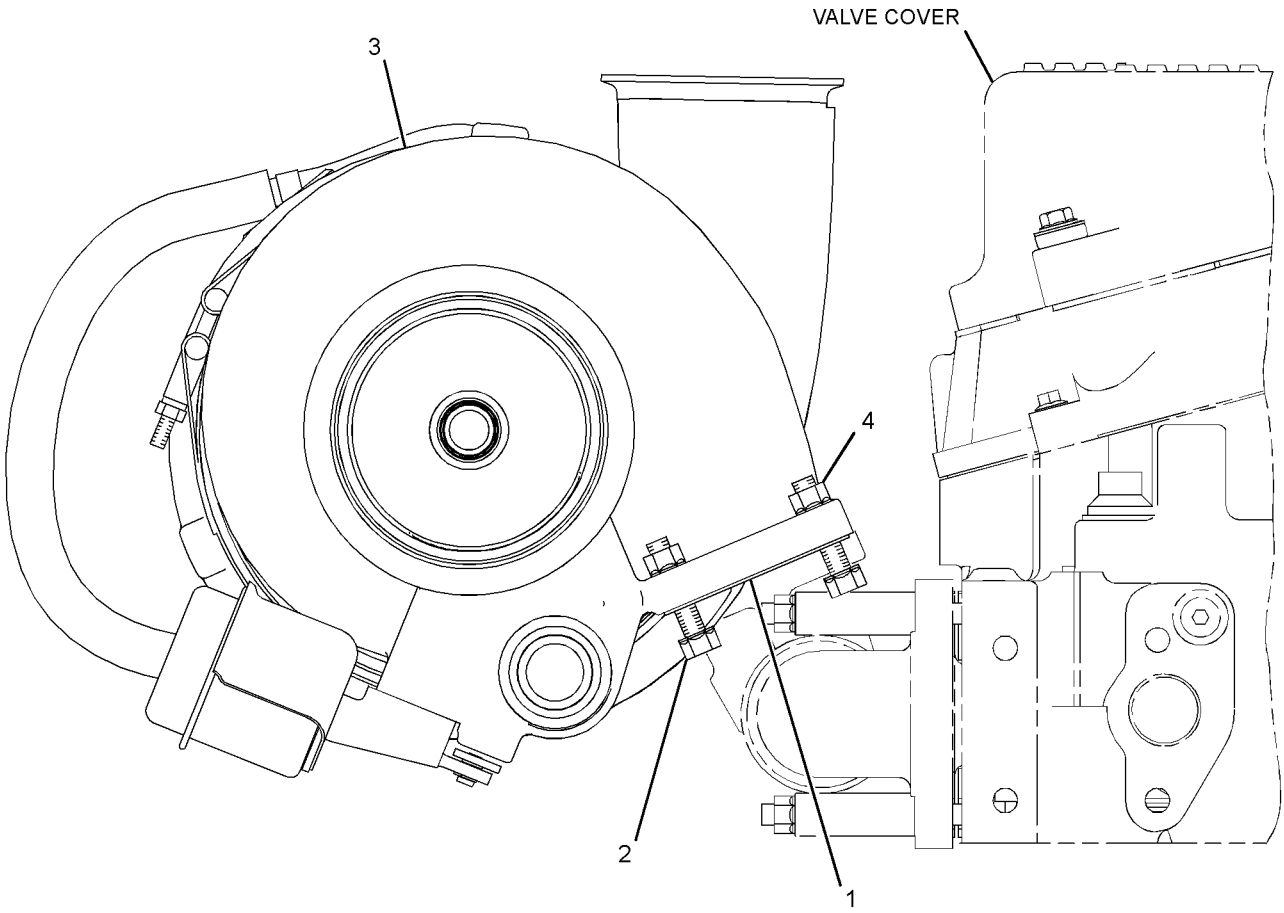
317-2296 TURBOCHARGER GP

AN ATTACHMENT

SMCS-1052, 1053 **i02951556**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1S-4295**	1	GASKET (TURBOCHARGER)	
	2	1	**2N-2765**	4	BOLT-HIGH TEMPERATURE (3/8-16X1.75-IN)	
Y	3	1	**296-7644**	1	TURBOCHARGER GP	704
	4	1	**2N-2766**	4	LOCKNUT (3/8-16-THD)	

Y-SEPARATE ILLUSTRATION



FRONT VIEW OF ENGINE

GRAPHIC #1 **<END>** g01470876

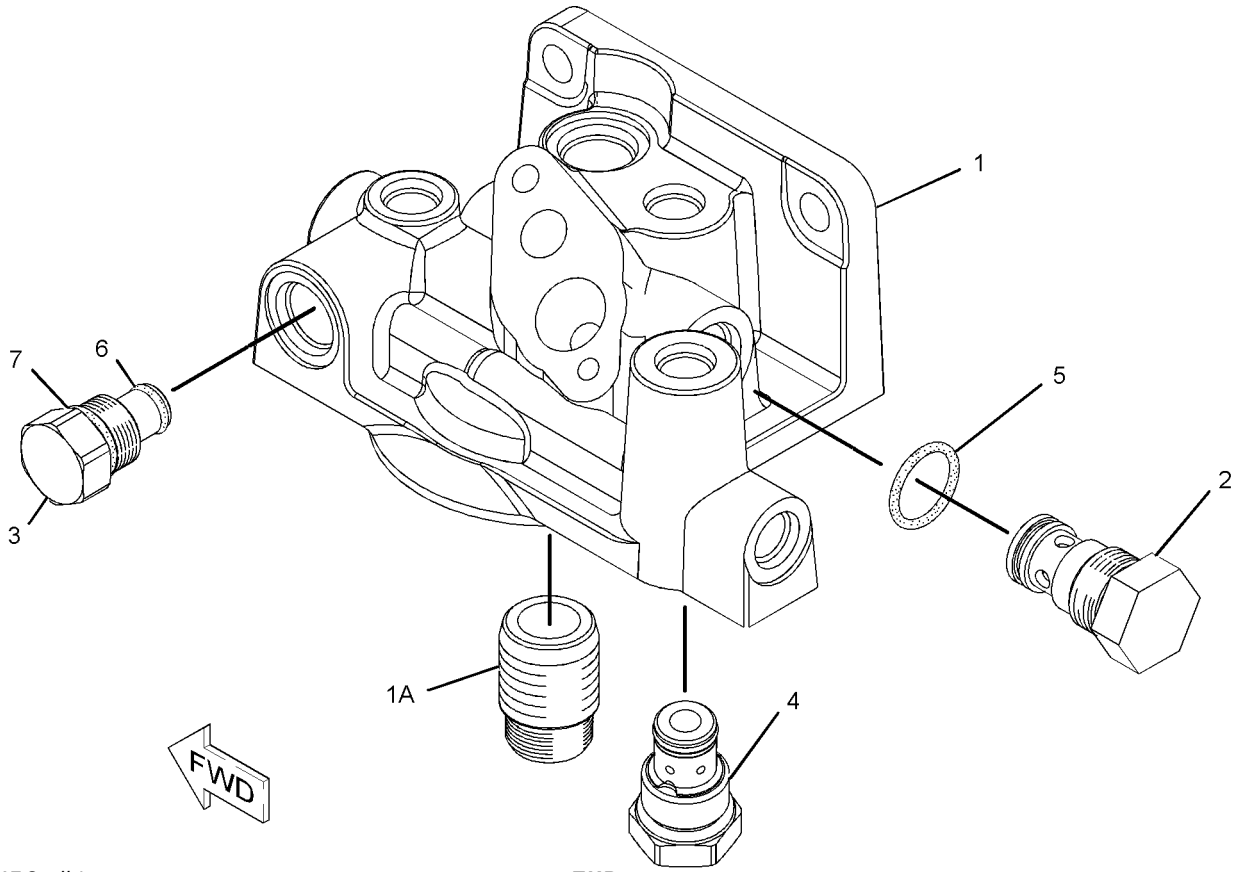
191-5055 BASE GP-FUEL FILTER

PART OF 298-4781 FILTER GP-FUEL, 191-5054, 224-2165, 269-7631 PUMP GP-FUEL
PRM & SEC FILTER
AN ATTACHMENT

SMCS-1262 **i02544116**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**136-5017**	1	BASE AS-FUEL FILTER	
	1A	1	**9S-4167**	1	STUD-HOLLOW (1-14X1.47-IN)	
Y	2	1	**139-6873**	1	VALVE GP-FUEL BYPASS	801
	3	1	**143-2933**	1	FITTING	
CY	4	1	*233-6742*	1	VALVE GP-CHECK (FUEL)	797
C	5	1	**6V-4589**	1	SEAL-O-RING	
	6	1	**8L-2779**	1	SEAL-O-RING	
	7	1	**8L-2786**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01041411

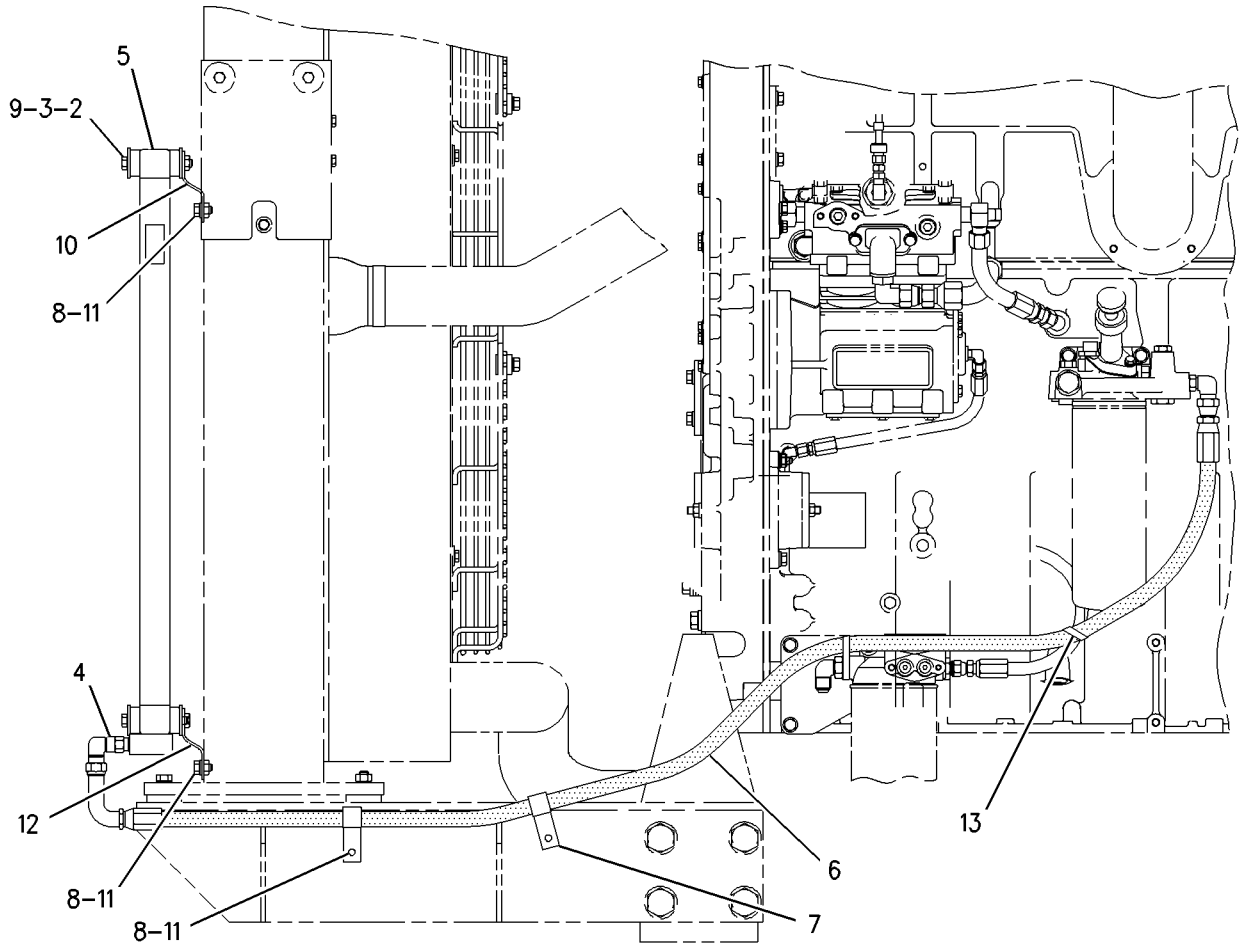
195-1348 COOLER GP-FUEL

REQUIRES MID-MOUNT FUEL MANIFOLD AND RADIATOR GP
AN ATTACHMENT

SMCS-1712 **i01995002**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	2	1	**141-1060**	8	MOUNT-ISOLATION	
	3	1	**4F-3714**	8	WASHER (0.375X1.5X0.135-IN THK)	
	4	1	**8M-0547**	1	ELBOW-FLARED (SWIVEL)	
	5	1	**129-5429**	1	CORE AS-FUEL COOLER	
I	6	1	**194-3892**	1	HOSE AS	
	7	1	**8S-0948**	2	CLIP	
	8	1	**5M-2894**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	9	1	**0L-1352**	4	BOLT (3/8-16X3.25-IN)	
	10	1	**141-2884**	1	BRACKET AS	
	11	1	**0T-0102**	6	BOLT (3/8-16X0.625-IN)	
	12	1	**141-2883**	1	BRACKET AS	
	13	1	**3S-2093**	2	STRAP-CABLE	

I-REFER TO HYDRAULIC INFORMATION SYSTEM



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00742416

FUEL SYSTEM

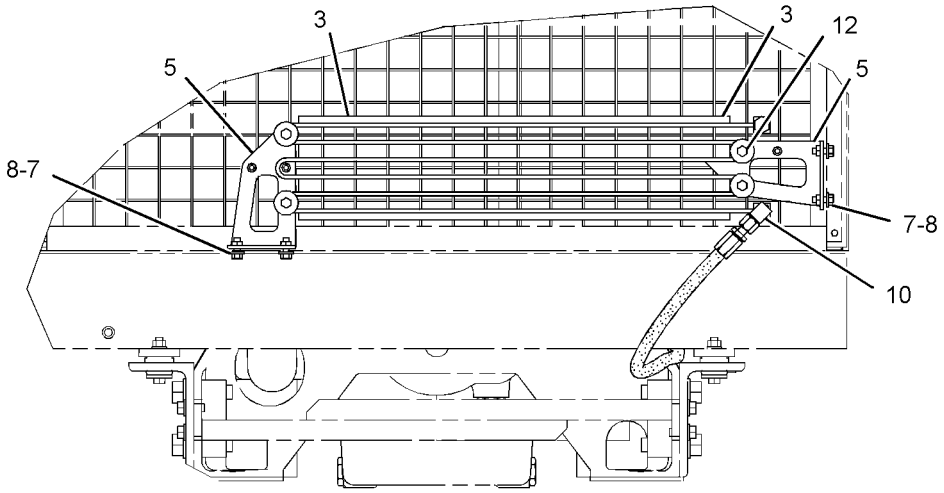
260-1548 COOLER GP-FUEL

S/N: JRE1-1432
FOR USE WITH RADIATOR GROUP, WIDE FRONT SUPPORT
AN ATTACHMENT

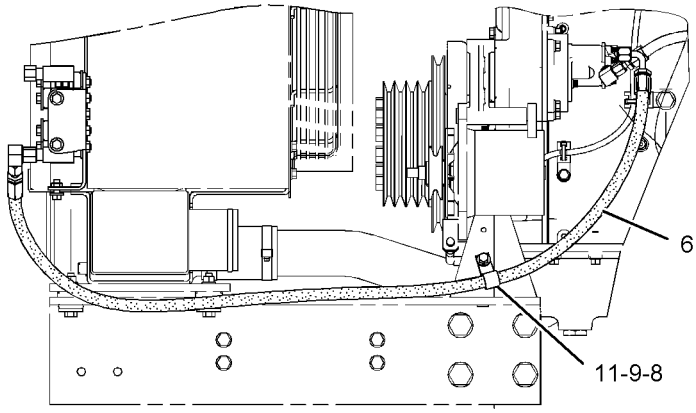
SMCS-1712 **i03642020**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4F-3714**	8	WASHER (0.375X1.5X0.135-IN THK)	
	3	1	**129-5429**	1	CORE AS-FUEL COOLER	
	4	1	**141-1060**	8	MOUNT-ISOLATION	
	5	1	**260-1549**	2	BRACKET AS	
		1	**1F-0750**	4	NUT-WELD (3/8-16-THD)	
I	6	1	**260-1553**	1	HOSE AS	
	7	1	**4L-6454**	4	BOLT (3/8-16X1-IN)	
	8	1	**5P-1075**	5	WASHER-HARD (10.2X22.5X3-MM THK)	
	9	1	**5S-7379**	1	BOLT (3/8-16X0.875-IN)	
	10	1	**8M-0547**	1	ELBOW-FLARED (SWIVEL)	
	11	1	**8S-0948**	1	CLIP	
	12	1	**8T-8915**	4	BOLT (3/8-16X3.25-IN)	

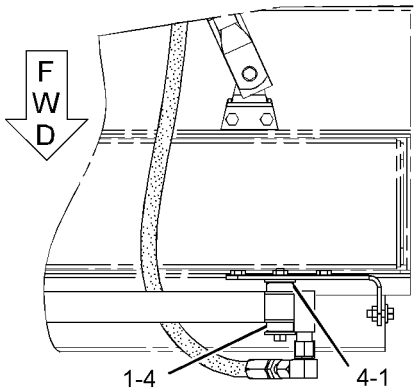
I-REFER TO HYDRAULIC INFORMATION SYSTEM



FRONT VIEW



LEFT SIDE VIEW



TOP VIEW

GRAPHIC #1 **<END>** g01138211

FUEL SYSTEM

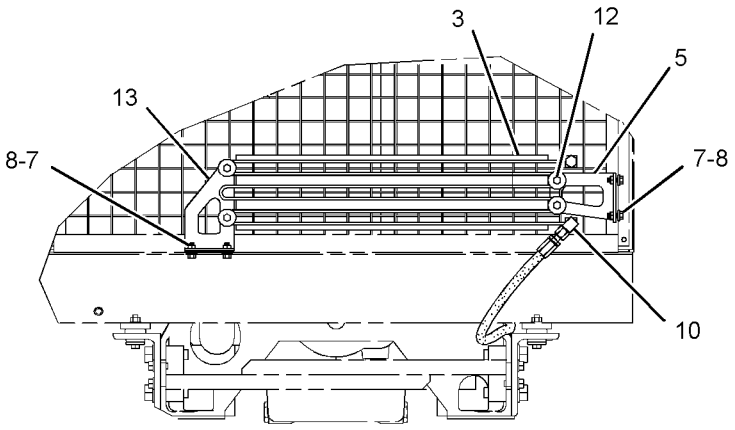
260-1548 COOLER GP-FUEL

FOR USE WITH RADIATOR GROUP, WIDE FRONT SUPPORT
AN ATTACHMENT

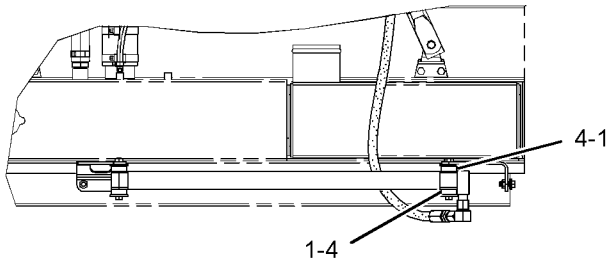
SMCS-1712 **i03642016**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4F-3714**	8	WASHER (0.375X1.5X0.135-IN THK)	
	3	1	**129-5429**	1	CORE AS-FUEL COOLER	
	4	1	**141-1060**	8	MOUNT-ISOLATION	
C	5	1	**260-1549**	1	BRACKET AS	
		1	**1F-0750**	4	NUT-WELD (3/8-16-THD)	
I	6	1	**260-1553**	1	HOSE AS	
	7	1	**4L-6454**	4	BOLT (3/8-16X1-IN)	
	8	1	**5P-1075**	5	WASHER-HARD (10.2X22.5X3-MM THK)	
	9	1	**5S-7379**	1	BOLT (3/8-16X0.875-IN)	
	10	1	**8M-0547**	1	ELBOW-FLARED (SWIVEL)	
	11	1	**8S-0948**	1	CLIP	
	12	1	**8T-8915**	4	BOLT (3/8-16X3.25-IN)	
C	13	1	**277-6240**	1	BRACKET AS	
		1	**1F-0750**	4	NUT-WELD (3/8-16-THD)	

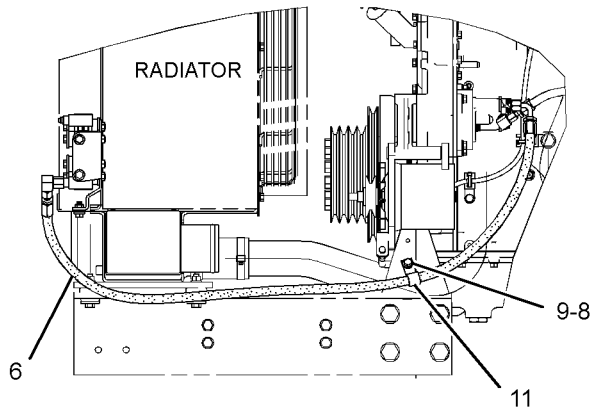
C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM



FRONT VIEW



TOP VIEW



LEFT SIDE VIEW

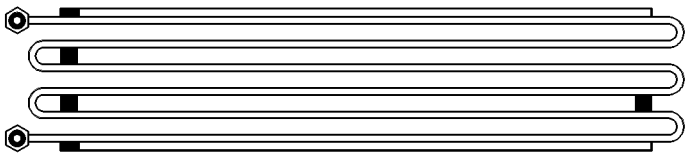
GRAPHIC #1 **<END>** g01255739

129-5429 CORE AS-FUEL COOLER

AN ATTACHMENT

SMCS-1712 **i00708523**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	



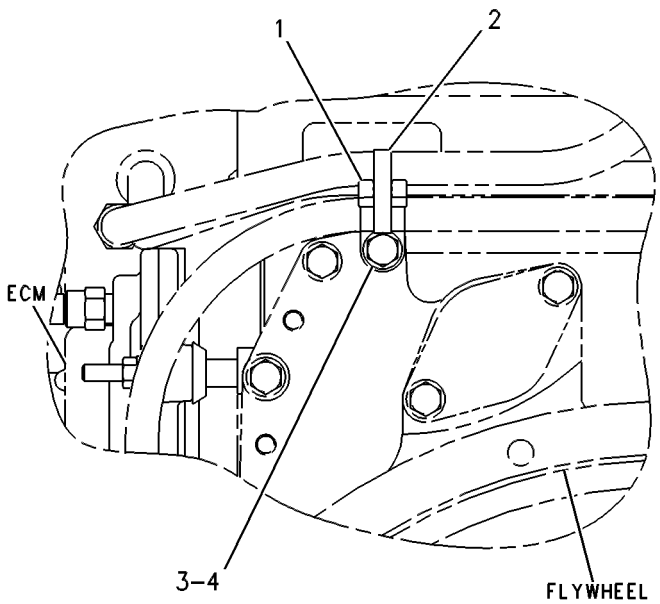
GRAPHIC #1 **<END>** g00263168

141-8953 FASTENER GP-FUEL LINES

FOR USE WITH FUEL FILTER LINES, SAE NO. 0 FLYWHEEL HOUSING AN ATTACHMENT

SMCS-1252 **i02691117**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-8134**	1	CLIP	
	2	1	**3S-2093**	1	STRAP-CABLE	
	3	1	**0T-0102**	1	BOLT (3/8-16X0.625-IN)	
	4	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	



REAR VIEW

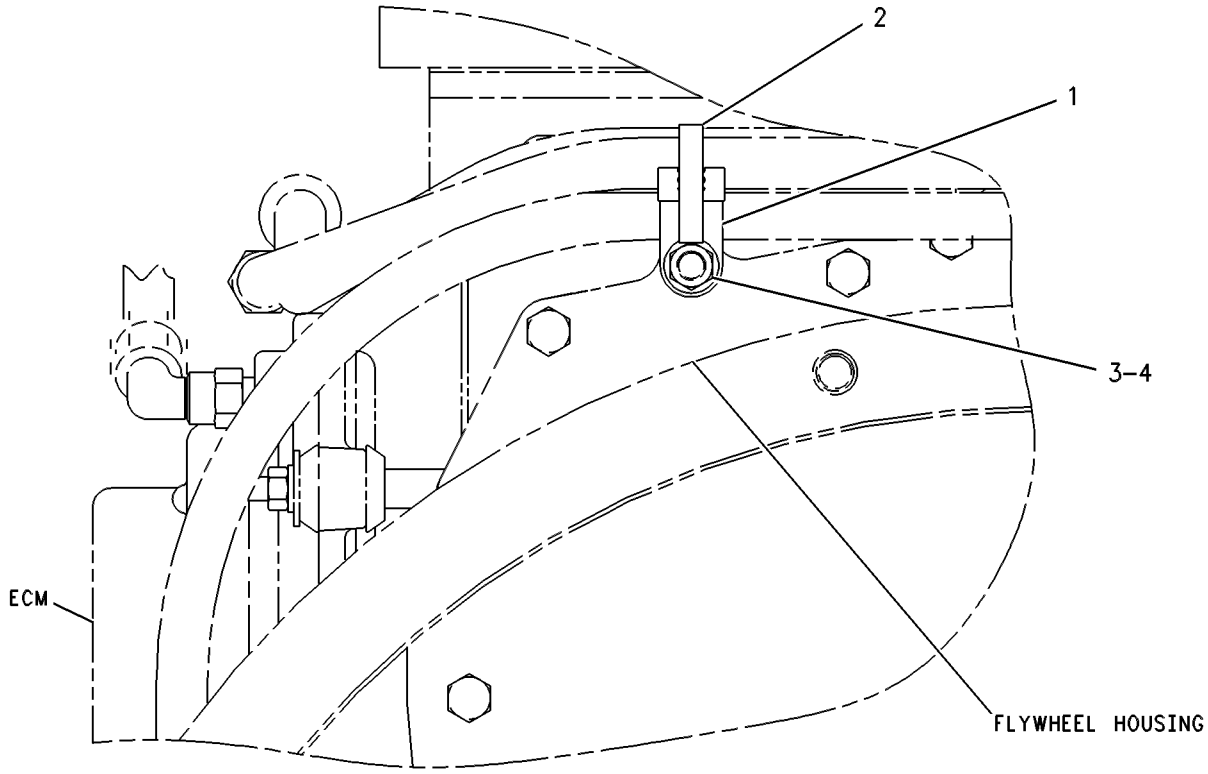
GRAPHIC #1 **<END>** g00287874

141-8954 FASTENER GP-FUEL LINES

FOR USE WITH FUEL FILTER LINES, SAE NO. 0 FLYWHEEL HOUSING AN ATTACHMENT

SMCS-1252 **i02691132**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4P-8134**	1	CLIP	
	2	1	**3S-2093**	1	STRAP-CABLE	
	3	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	4	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	



REAR VIEW

GRAPHIC #1 **<END>** g00287448

8H-7204 FILTER GP-FUEL

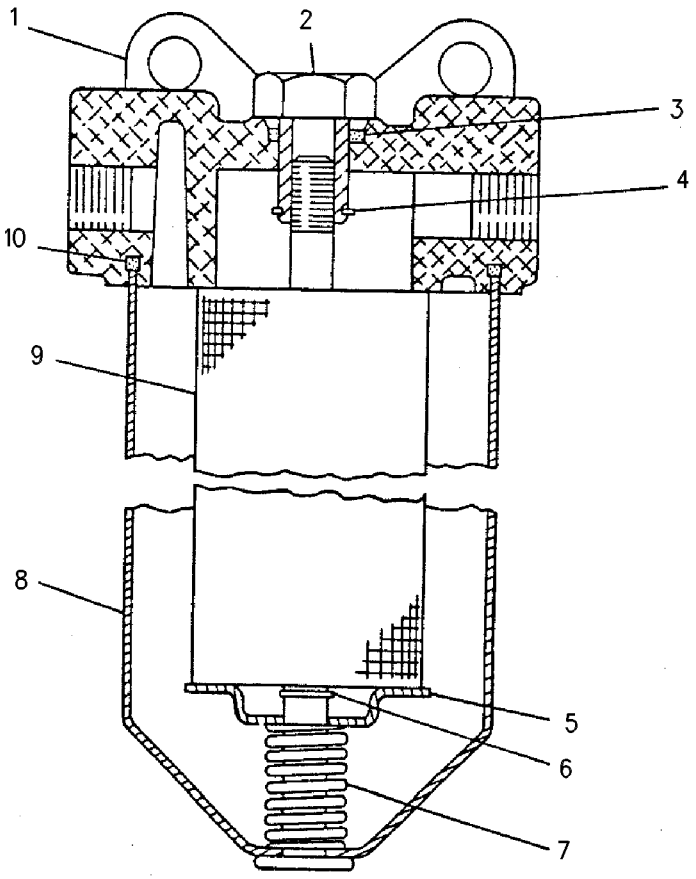
PRIMARY

AN ATTACHMENT

SMCS-1261 **i02019520**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**1N-3583**	1	BASE-FUEL FILTER	
C	2	1	**7N-1628**	1	NUT (3/8-24-THD)	
C	3	1	**2J-0157**	1	SEAL-O-RING	
	4	1	**1L-3769**	1	RING-RETAINING	
	5	1	**7H-9678**	1	RETAINER-ELEMENT	
	6	1	**2H-3429**	1	RING-RETAINING	
	7	1	**7S-9323**	1	SPRING	
	8	1	**8H-7202**	1	CASE AS-FUEL FILTER	
	9	1	**9M-2342**	1	FILTER ELEMENT-FUEL (PRIMARY)	
	10	1	**8H-2778**	1	SEAL-RING (FUEL FILTER BASE)	

C-CHANGE FROM PREVIOUS TYPE



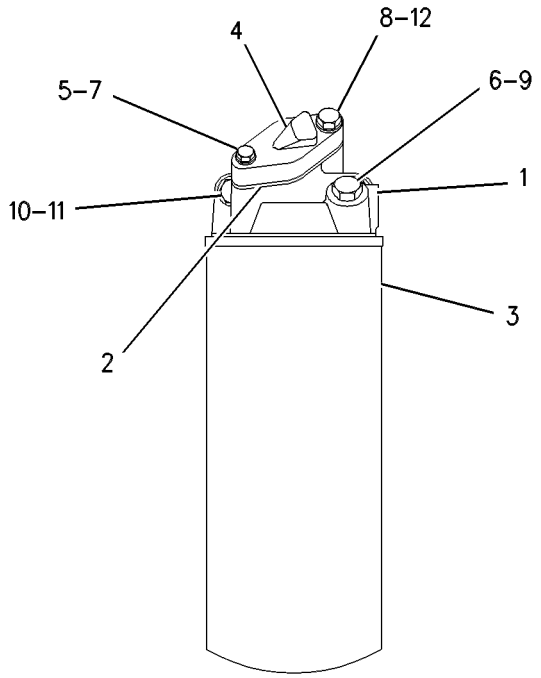
GRAPHIC #1 **<END>** g00605452

143-0453 FILTER GP-FUEL

PART OF 257-7275 PUMP GP-FUEL PRM & SEC FILTER
FOR USE WITH FUEL LINES & FILTER MOUNTING
AN ATTACHMENT

SMCS-1261 **i03649634**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1N-3789**	1	BASE AS-FILTER	
		1	**9S-4167**	1	STUD-HOLLOW (1-14X1.47-IN)	
	2	1	**1P-0436**	1	GASKET (FUEL PRIMING PUMP)	
	3	1	**1R-0749**	1	FILTER-FUEL (ADVANCED EFFICIENCY)	
	4	1	**6N-4414**	1	COVER-FILTER BASE	
	5	1	**5P-0537**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	6	1	**6V-5048**	1	SEAL-O-RING	
	7	1	**7B-2742**	1	BOLT (1/4-20X1.25-IN)	
	8	1	**9M-1974**	1	WASHER-HARD (8.8X16X2-MM THK)	
	9	1	**9S-4182**	1	PLUG-O-RING	
	10	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	11	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	12	1	**1B-2790**	1	BOLT (5/16-18X1.375-IN)	



GRAPHIC #1 **<END>** g00286708

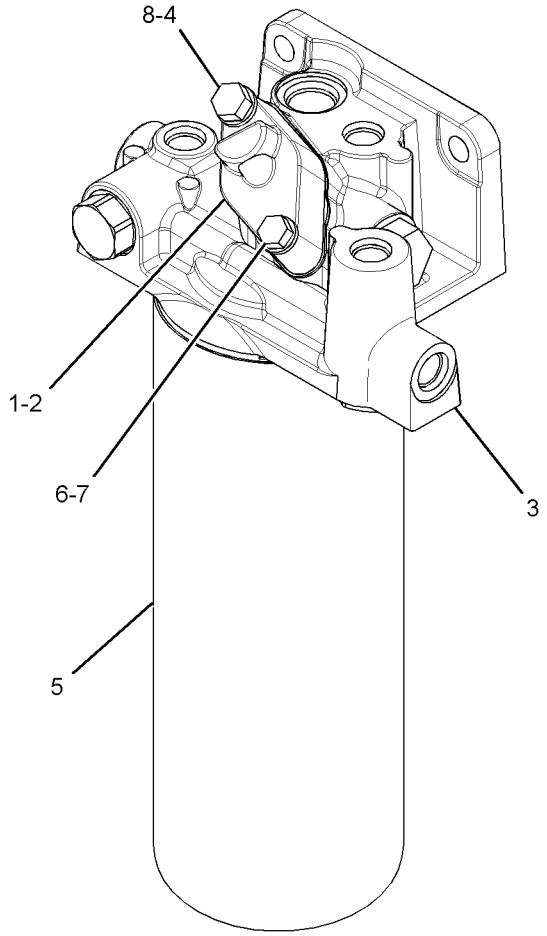
298-4781 FILTER GP-FUEL

AN ATTACHMENT

SMCS-1261 **i03649664**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-0436**	1	GASKET (FUEL PRIMING PUMP)	
	2	1	**6N-4414**	1	COVER-FILTER BASE	
Y	3	1	*191-5055*	1	BASE GP-FUEL FILTER	707
	4	1	**1B-7182**	1	BOLT (5/16-18X1.25-IN)	
	5	1	**1R-0749**	1	FILTER-FUEL (ADVANCED EFFICIENCY)	
	6	1	**5P-0537**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	7	1	**7B-2742**	1	BOLT (1/4-20X1.25-IN)	
	8	1	**9M-1974**	1	WASHER-HARD (8.8X16X2-MM THK)	

Y-SEPARATE ILLUSTRATION



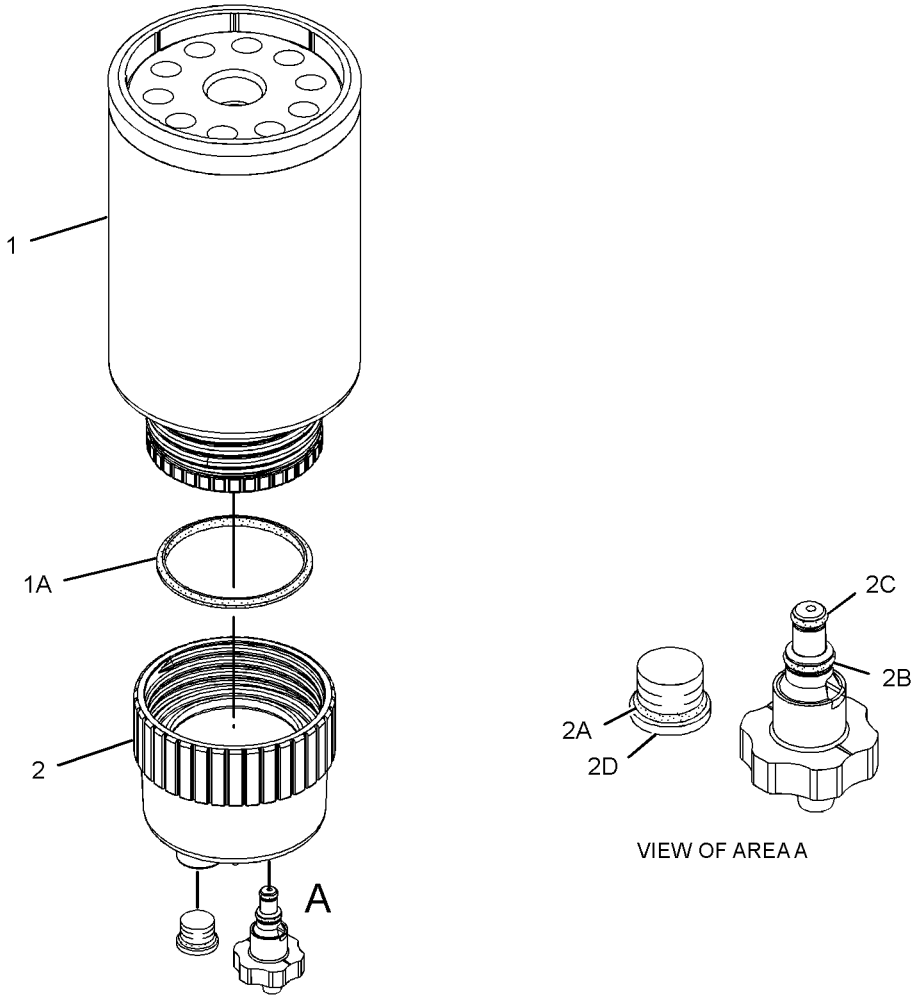
GRAPHIC #1 **<END>** g01343389

174-9570 FILTER GP-WATER SEP & FUEL

PART OF 190-8977 PUMP GP-FUEL PRM & WATER SEP
AN ATTACHMENT

SMCS-1261, 1263 **i03671378**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**326-1644**	1	FILTER AS-WATER SEP & FUEL (PRIMARY)	
	1A	1	**220-8678**	1	SEAL-RING (FUEL, WATER SEPARATOR)	
	2	1	**343-5527**	1	BOWL AS	
	2A	1	**3J-1907**	1	SEAL-O-RING	
	2B	1	**5F-9144**	1	SEAL-O-RING	
	2C	1	**8F-7219**	1	SEAL-O-RING	
	2D	1	**9S-8004**	1	PLUG	



GRAPHIC #1 **<END>** g01960053

212-9431 FILTER GP-WATER SEP & FUEL

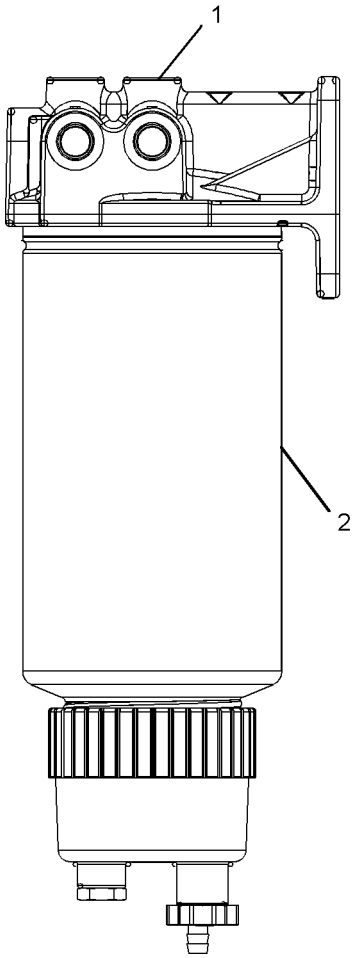
PART OF 269-8415 FILTER GP-WATER SEP & FUEL

AN ATTACHMENT

SMCS-1261, 1263 **i03025165**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**177-9778**	1	BASE AS	
		1	**9S-4167**	1	STUD-HOLLOW (1-14X1.47-IN)	
Y	2	1	*212-9580*	1	FILTER GP-WATER SEP & FUEL	719

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01078385

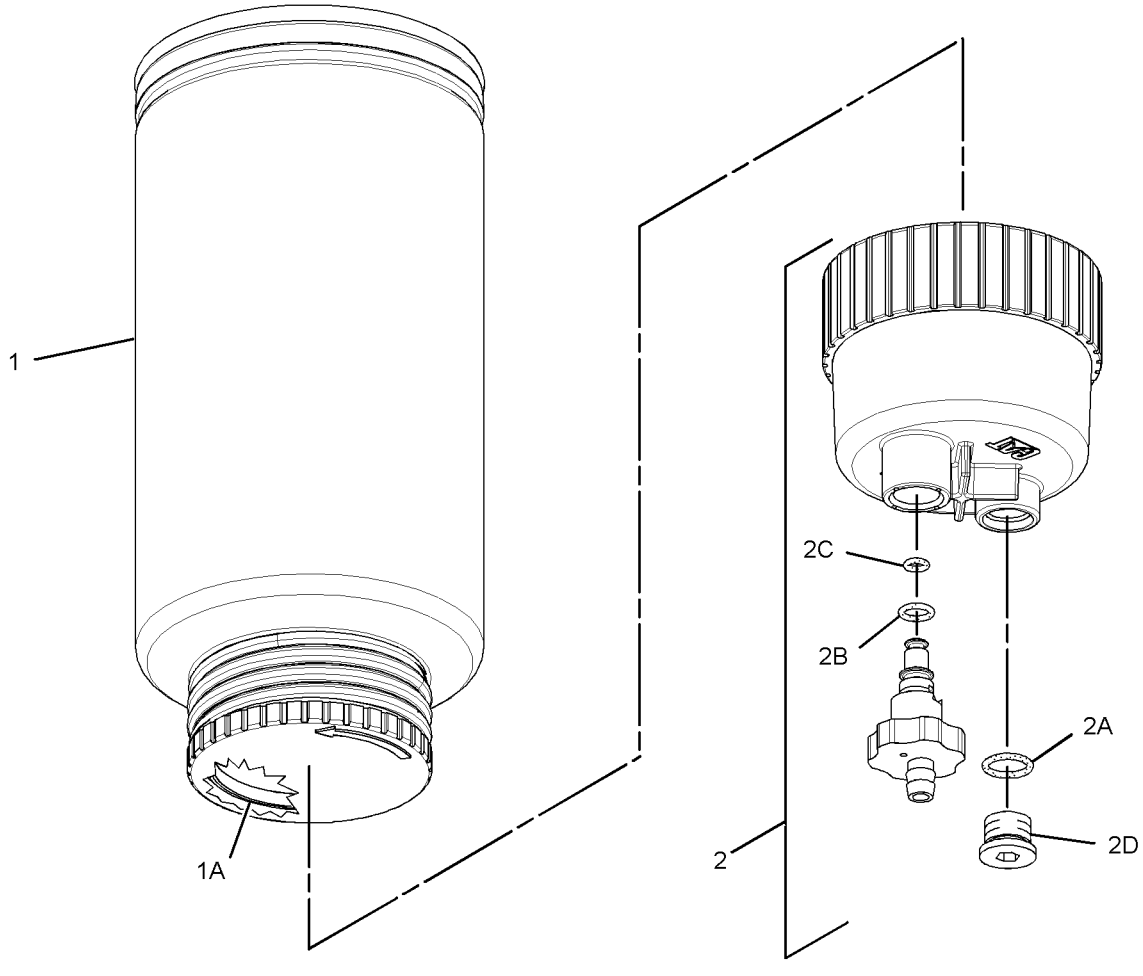
212-9580 FILTER GP-WATER SEP & FUEL

PART OF 212-9431 FILTER GP-WATER SEP & FUEL, 213-4740 PUMP GP-FUEL PRM & WATER SEP

AN ATTACHMENT

SMCS-1261, 1263 **i03684401**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**326-1643**	1	FILTER AS-WATER SEP & FUEL (PRIMARY)	
	1A	1	**220-8678**	1	SEAL-RING (FUEL FILTER)	
	2	1	**343-5527**	1	BOWL AS	
	2A	1	**3J-1907**	1	SEAL-O-RING	
	2B	1	**5F-9144**	1	SEAL-O-RING	
	2C	1	**8F-7219**	1	SEAL-O-RING	
	2D	1	**9S-8004**	1	PLUG	



GRAPHIC #1 **<END>** g01944750

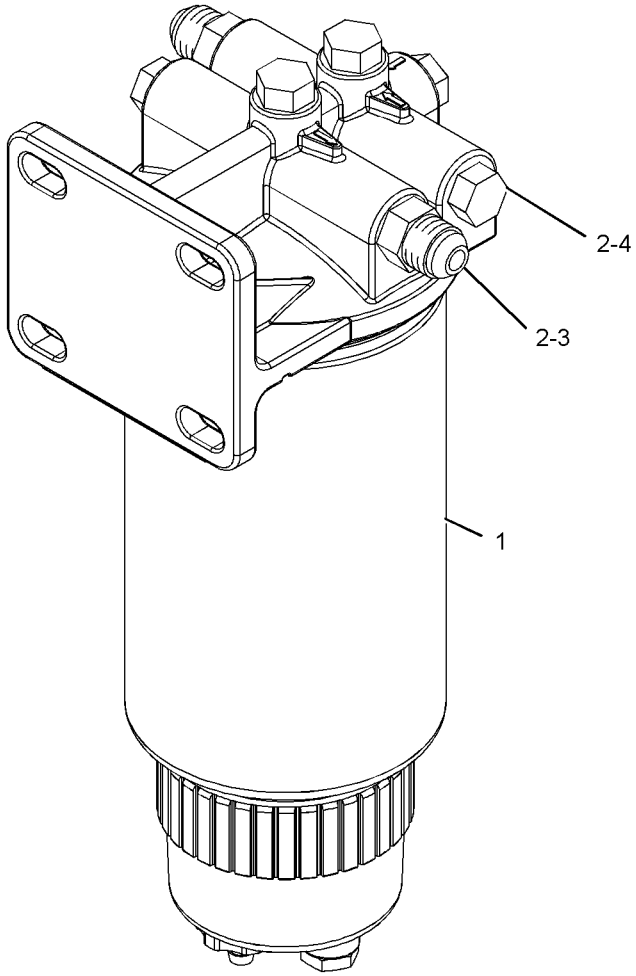
269-8415 FILTER GP-WATER SEP & FUEL

AN ATTACHMENT

SMCS-1261, 1263 **i02299043**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*212-9431*	1	FILTER GP-WATER SEP & FUEL	718
	2	1	**6V-5049**	7	SEAL-O-RING	
	3	1	**8M-0506**	2	ADAPTER-O-RING	
	4	1	**9S-4191**	5	PLUG-O-RING	

Y-SEPARATE ILLUSTRATION



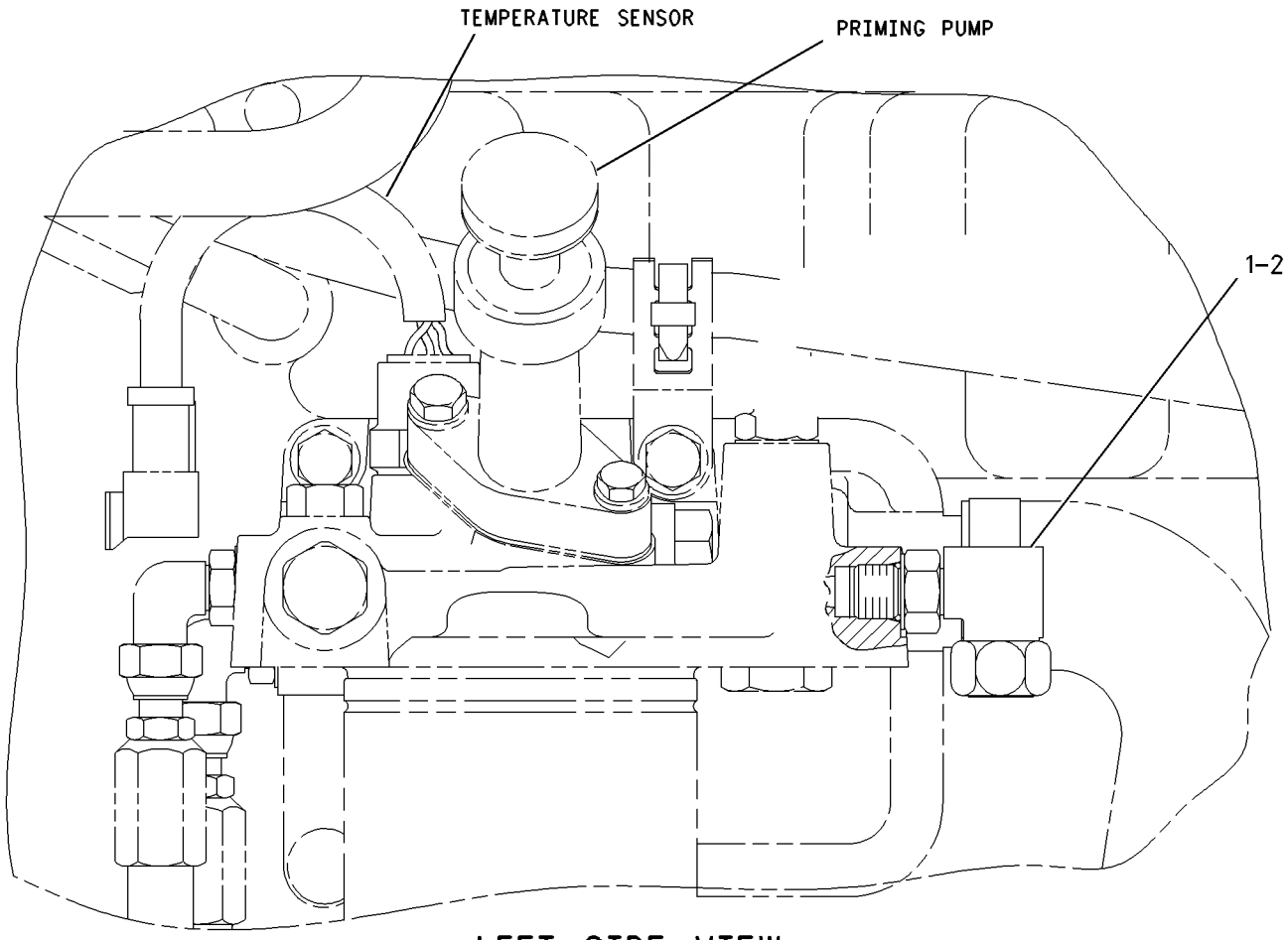
GRAPHIC #1 **<END>** g01154029

201-6631 FITTING GP-FUEL LINES

FOR USE WITH A 90 DEGREE ELBOW WITH A 3/4-16 X 37 DEGREE END ,
191-5054—PAGE 785
AN ATTACHMENT

SMCS-1274 **i01467602**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**033-6042**	1	SEAL-O-RING	
	2	1	**4K-6297**	1	ELBOW	



LEFT SIDE VIEW

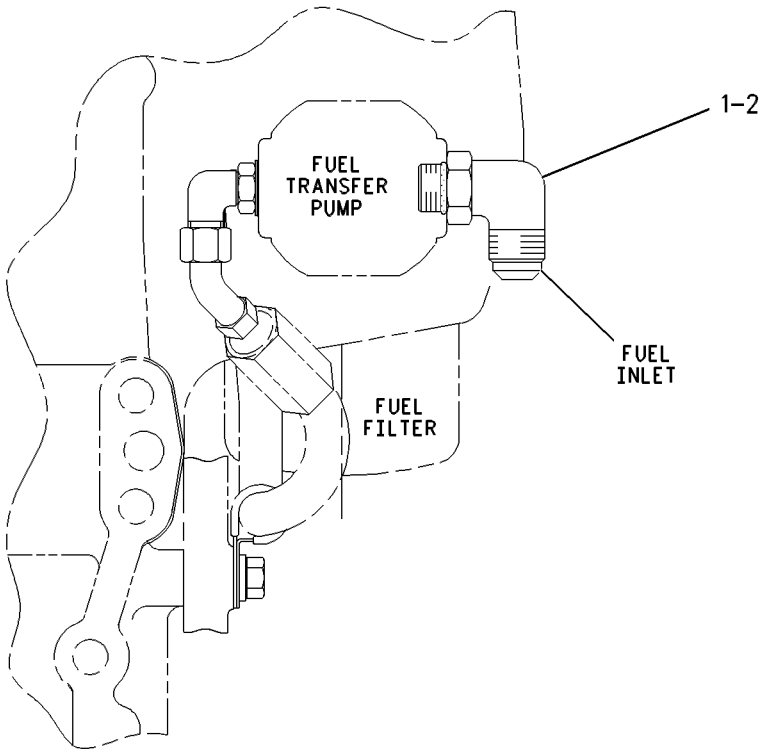
GRAPHIC #1 **<END>** g00760631

256-0370 FITTING GP-FUEL LINES

CANNOT BE USED WITH PRIMARY FUEL FILTER AND WATER SEPARATOR
AN ATTACHMENT

SMCS-1274 **i02118609**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**118-4728**	1	ELBOW	
	2	1	**8L-2786**	1	SEAL-O-RING	



FRONT VIEW

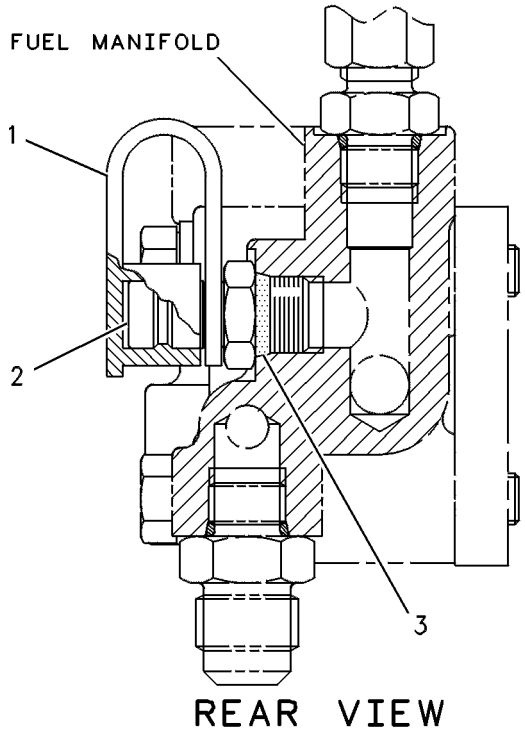
GRAPHIC #1 **<END>** g00546999

108-2312 FITTING GP-QUICK DISCONNECT

AN ATTACHMENT

SMCS-1256, 1274 **i02733062**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-0852**	1	CAP-DUST	
	2	1	**6V-3965**	1	FITTING (QUICK DISCONNECT)	
	3	1	**033-6042**	1	SEAL-O-RING	



REAR VIEW

GRAPHIC #1 **<END>** g00237924

FUEL SYSTEM

267-3482 LINES GP-FLEXIBLE FUEL

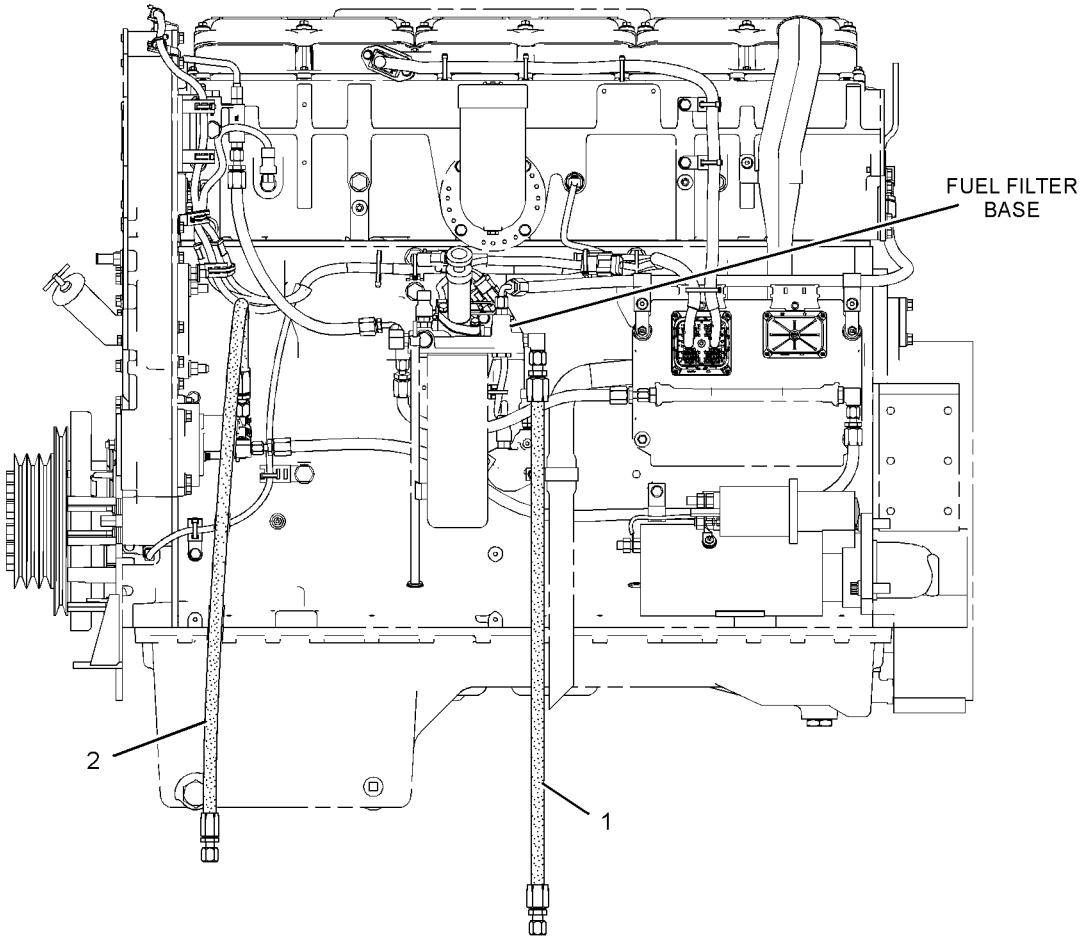
TIER III

AN ATTACHMENT

SMCS-1274 **i02312575**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	1	1	**7W-7536**	1	HOSE AS	
I	2	1	**206-6308**	1	HOSE AS	

I-REFER TO HYDRAULIC INFORMATION SYSTEM



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01159305

FUEL SYSTEM

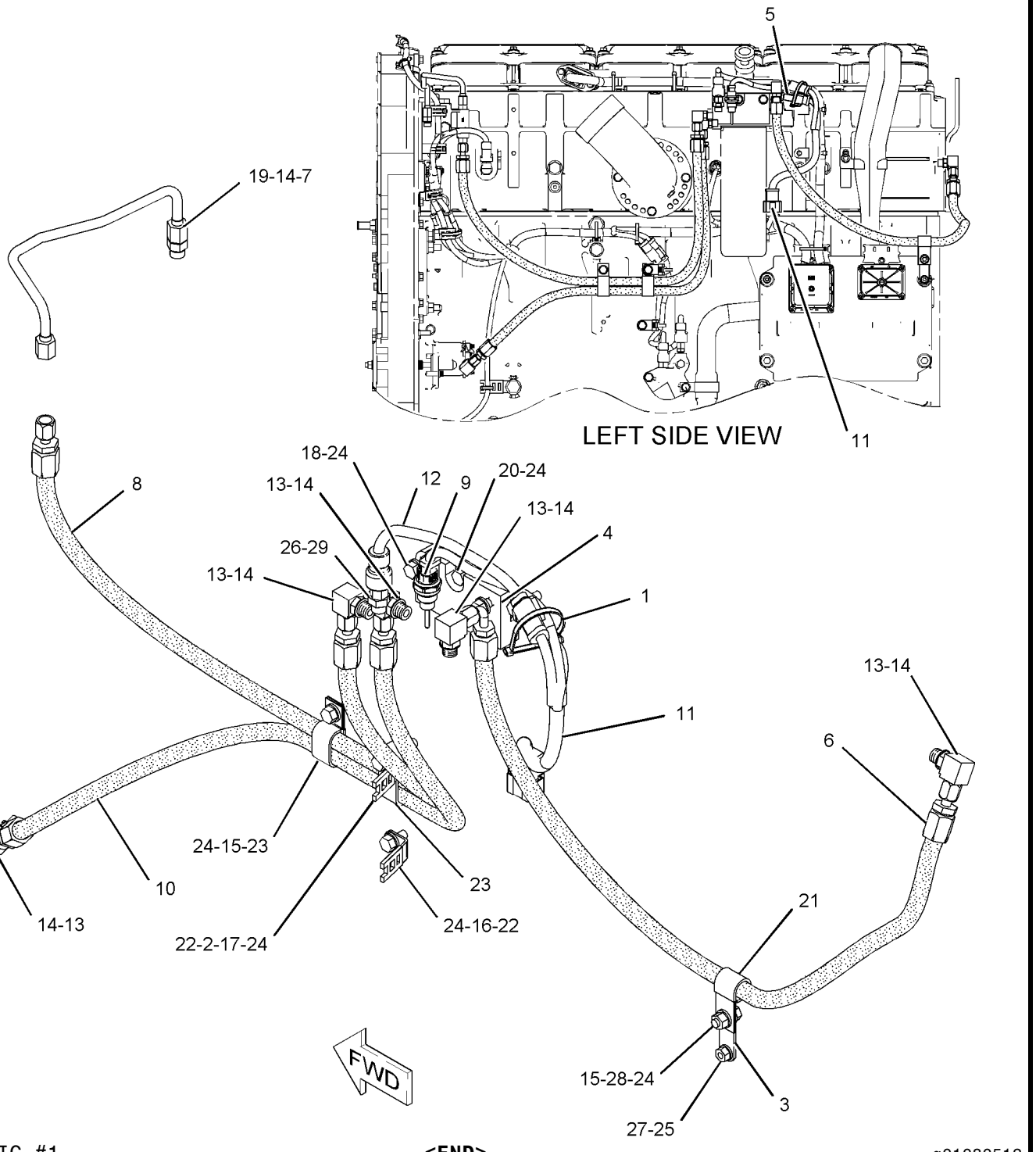
240-6040 LINES GP-FUEL

S/N: JRE1-828
HIGH MOUNT
CANNOT BE USED WITH AIR COMPRESSOR REQUIRING REAR SUPPORT BRACKET
AN ATTACHMENT

SMCS-1274 **i02142880**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
	2	1	**101-3120**	1	SPACER (10.5X25X20-MM THK)	
	3	1	**118-7809**	1	PLATE	
	4	1	**137-5110**	1	BRACKET	
	5	1	**160-8124**	1	PLUG AS (2-PIN)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**8T-8737**	2	PLUG-SEAL	
I	6	1	**166-5919**	1	HOSE AS-FUEL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
I	8	1	**172-3446**	1	HOSE AS	
Y	9	1	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
I	10	1	**222-1497**	1	HOSE AS	
	11	1	**227-3812**	1	HARNESS AS-SENSOR (FUEL FILTER)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	1	PLUG-SEAL	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
Y	12	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	13	1	**030-7947**	5	ELBOW	
	14	1	**033-6042**	6	SEAL-O-RING	
	15	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	16	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	17	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	18	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	19	1	**2R-6806**	1	CONNECTOR-O-RING	
	20	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	21	1	**4D-7735**	1	CLIP	
	22	1	**4P-8134**	2	CLIP	
	23	1	**5K-5338**	2	CLIP	
	24	1	**5M-2894**	9	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	25	1	**5S-0003**	1	NUT (5/16-18-THD)	
	26	1	**6V-5049**	1	SEAL-O-RING	
	27	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	28	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	29	1	**9X-0261**	1	ADAPTER	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01080512

FUEL SYSTEM

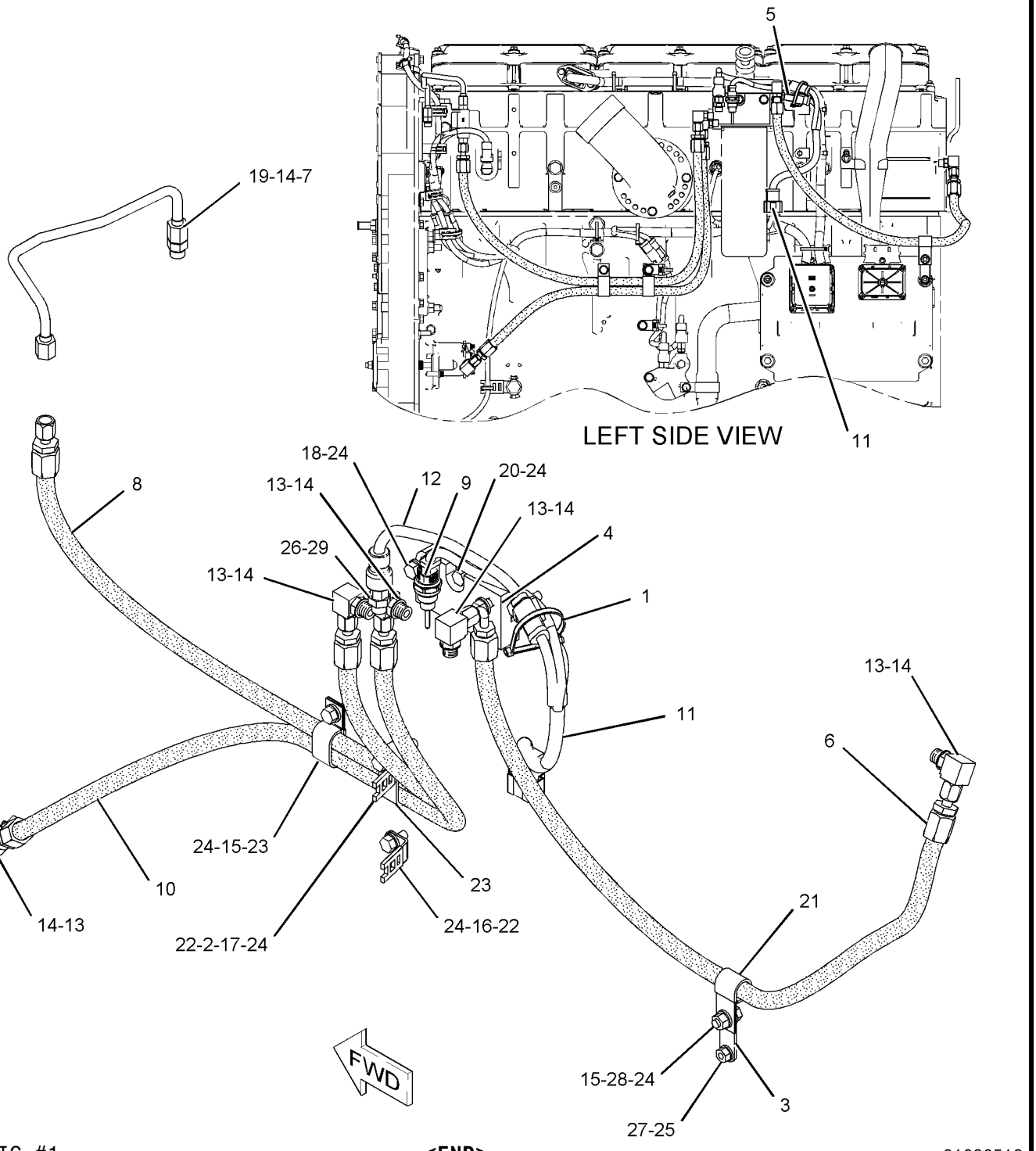
240-6040 LINES GP-FUEL

S/N: JRE829-UP
HIGH MOUNT
CANNOT BE USED WITH AIR COMPRESSOR REQUIRING REAR SUPPORT BRACKET
AN ATTACHMENT

SMCS-1274 **i03585105**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
	2	1	**101-3120**	1	SPACER (10.5X25X20-MM THK)	
	3	1	**118-7809**	1	PLATE	
	4	1	**137-5110**	1	BRACKET	
C	5	1	*278-8844*	1	PLUG AS-CONNECTOR	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
I	6	1	**166-5919**	1	HOSE AS-FUEL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
I	8	1	**172-3446**	1	HOSE AS	
CY	9	1	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
I	10	1	**222-1497**	1	HOSE AS	
C	11	1	**276-3091**	1	HARNESS AS-SENSOR (FUEL FILTER)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
Y	12	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	13	1	**030-7947**	5	ELBOW	
	14	1	**033-6042**	6	SEAL-O-RING	
	15	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	16	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	17	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	18	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	19	1	**2R-6806**	1	CONNECTOR-O-RING	
	20	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	21	1	**336-8613**	1	CLIP	
	22	1	**4P-8134**	2	CLIP	
	23	1	**4D-7733**	2	CLIP	
	24	1	**5M-2894**	9	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	25	1	**5S-0003**	1	NUT (5/16-18-THD)	
	26	1	**6V-5049**	1	SEAL-O-RING	
	27	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	28	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	29	1	**9X-0261**	1	ADAPTER	

C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01080512

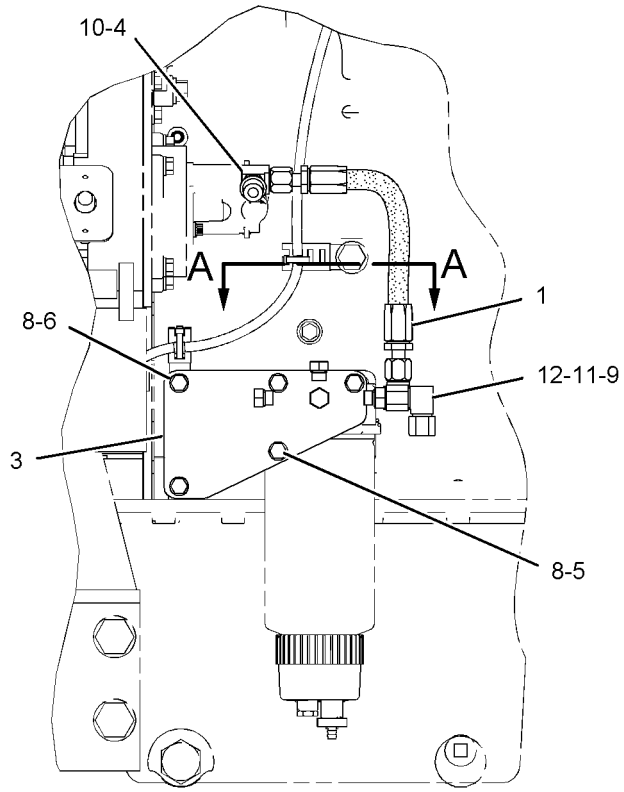
237-4290 LINES GP-FUEL FILTER

AN ATTACHMENT

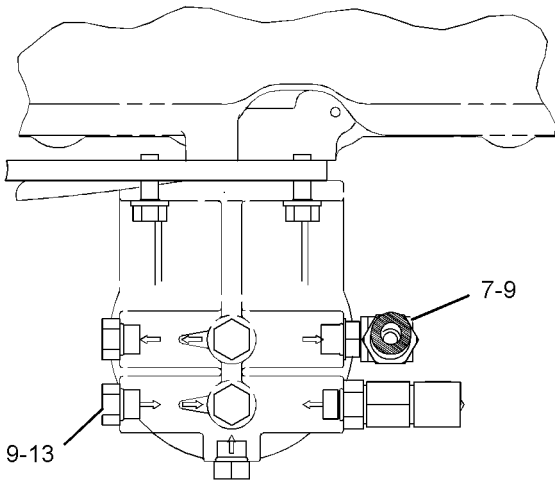
SMCS-1261, 1274 **i02137794**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
I	1	1	**7N-4045**	1	HOSE AS	
	3	1	**237-4300**	1	PLATE	
	4	1	**118-4728**	1	ELBOW	
	5	1	**0S-1594**	3	BOLT (3/8-16X1-IN)	
	6	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	7	1	**4K-6297**	1	ELBOW	
	8	1	**5M-2894**	5	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	9	1	**6V-5049**	7	SEAL-O-RING	
	10	1	**8L-2786**	1	SEAL-O-RING	
	11	1	**8M-0506**	1	ADAPTER-O-RING	
	12	1	**8M-0547**	1	ELBOW-FLARED (SWIVEL)	
	13	1	**9S-4191**	5	PLUG-O-RING	

I-REFER TO HYDRAULIC INFORMATION SYSTEM



LEFT SIDE VIEW



SECTION A-A

GRAPHIC #1 **<END>** g01086597

FUEL SYSTEM

237-4296 LINES GP-FUEL FILTER

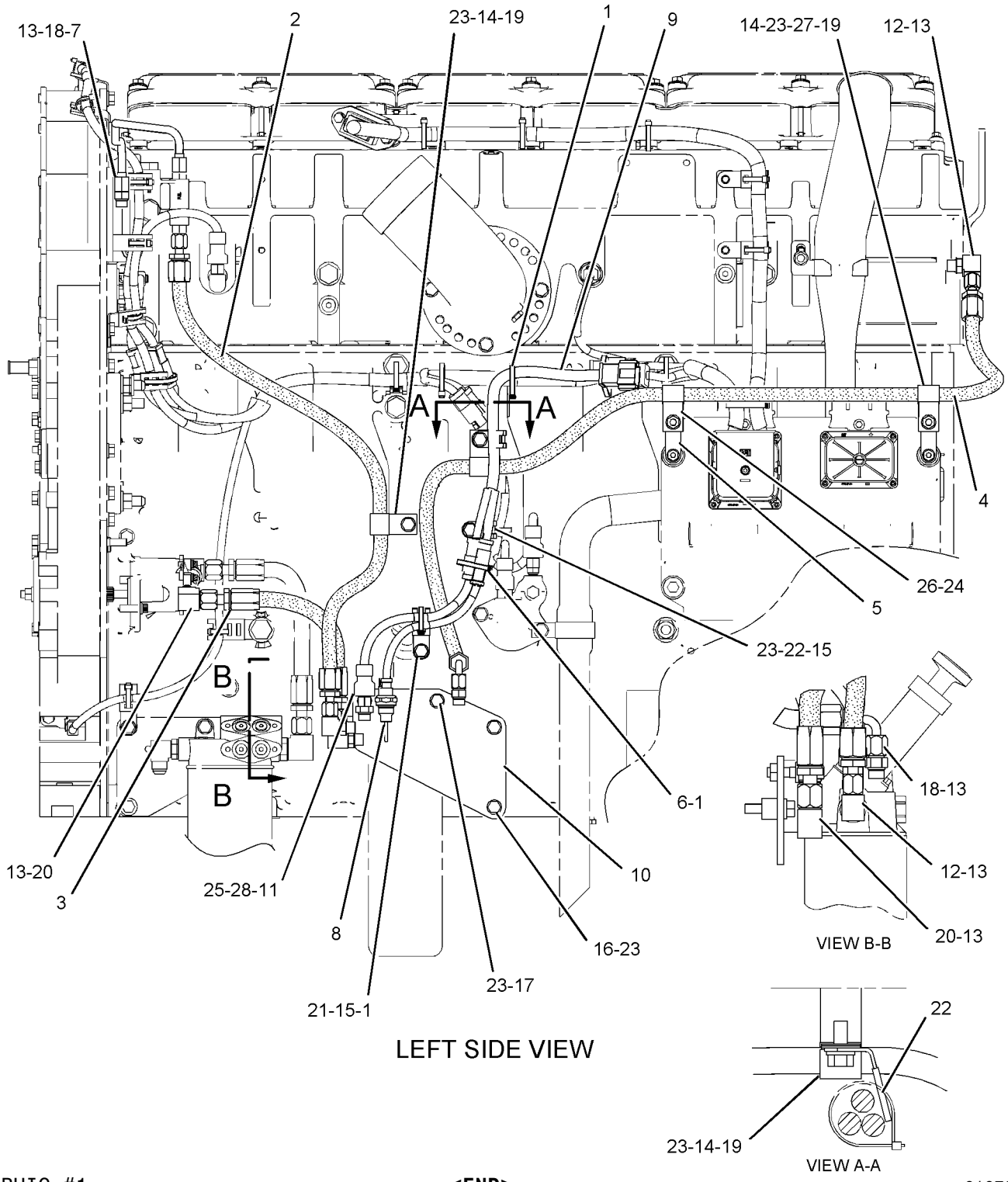
S/N: JRE1-828
LOW MOUNT
FOR USE WITH RADIATOR GROUP
AN ATTACHMENT

SMCS-1261, 1274 **i02142888**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	3	STRAP-CABLE	
I	2	1	**4W-6841**	1	HOSE AS	
I	3	1	**7N-4045**	1	HOSE AS	
I	4	1	**7W-8857**	1	HOSE AS	
	5	1	**118-7809**	2	PLATE	
	6	1	**160-8124**	1	PLUG AS (2-PIN)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	2	PLUG-SEAL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
Y	8	1	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
	9	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	1	PLUG-SEAL	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
	10	1	**232-0768**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**1L-5081**	2	SPACER (0.41X0.75X0.56-IN THK)	
Y	11	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	12	1	**030-7947**	2	ELBOW	
	13	1	**033-6042**	6	SEAL-O-RING	
	14	1	**0L-1351**	4	BOLT (3/8-16X0.875-IN)	
	15	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	16	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	17	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	18	1	**2R-6806**	2	CONNECTOR-O-RING	
	19	1	**4D-7735**	4	CLIP	
	20	1	**4K-6297**	2	ELBOW	
	21	1	**4P-7581**	1	CLIP	
	22	1	**4P-8134**	2	CLIP	
	23	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	24	1	**5S-0003**	2	NUT (5/16-18-THD)	
	25	1	**6V-5049**	1	SEAL-O-RING	
	26	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	27	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	28	1	**9X-0261**	1	ADAPTER	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

237-4296 **LINES GP-FUEL FILTER** *(contd.)* **i02142888**



GRAPHIC #1 **<END>** g01078602

FUEL SYSTEM

237-4296 LINES GP-FUEL FILTER

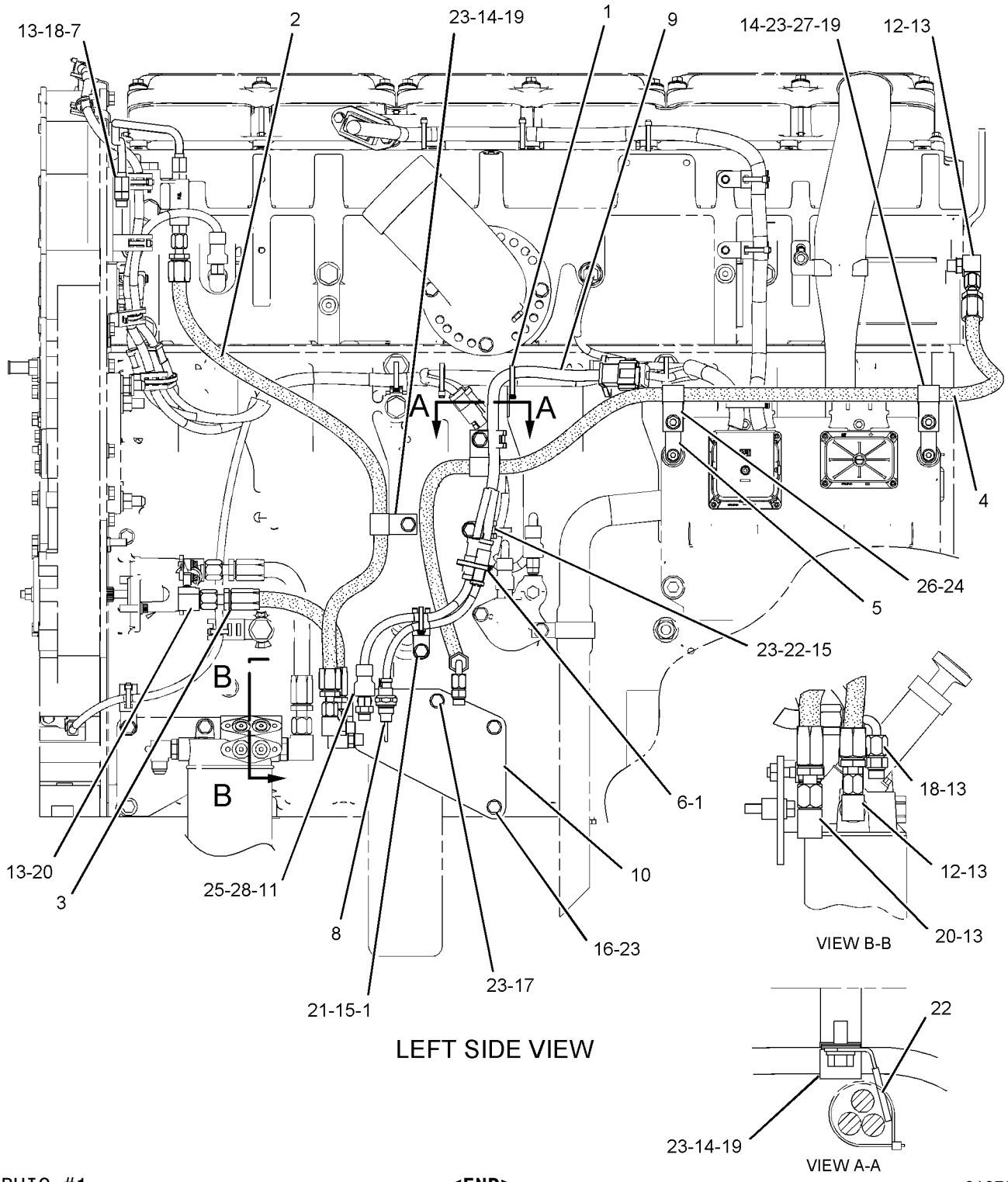
S/N: JRE829-UP
LOW MOUNT
FOR USE WITH RADIATOR GROUP
AN ATTACHMENT

SMCS-1261, 1274 **i03627530**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	3	STRAP-CABLE	
I	2	1	**4W-6841**	1	HOSE AS	
I	3	1	**7N-4045**	1	HOSE AS	
I	4	1	**7W-8857**	1	HOSE AS	
	5	1	**118-7809**	2	PLATE	
C	6	1	**278-8844**	1	PLUG AS-CONNECTOR	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
CY	8	1	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
C	9	1	**276-3091**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
	10	1	**232-0768**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**1L-5081**	2	SPACER (0.41X0.75X0.56-IN THK)	
Y	11	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	12	1	**030-7947**	2	ELBOW	
	13	1	**033-6042**	6	SEAL-O-RING	
	14	1	**0L-1351**	4	BOLT (3/8-16X0.875-IN)	
	15	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	16	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	17	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	18	1	**2R-6806**	2	CONNECTOR-O-RING	
	19	1	**336-8613**	4	CLIP	
	20	1	**4K-6297**	2	ELBOW	
	21	1	**4P-7581**	1	CLIP	
	22	1	**4P-8134**	2	CLIP	
	23	1	**5M-2894**	12	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	24	1	**5S-0003**	2	NUT (5/16-18-THD)	
	25	1	**6V-5049**	1	SEAL-O-RING	
	26	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	27	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	28	1	**9X-0261**	1	ADAPTER	

C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

237-4296 **LINES GP-FUEL FILTER** *(contd.)* **i03627530**



GRAPHIC #1 **<END>** g01078602

255-0654 LINES GP-FUEL FILTER

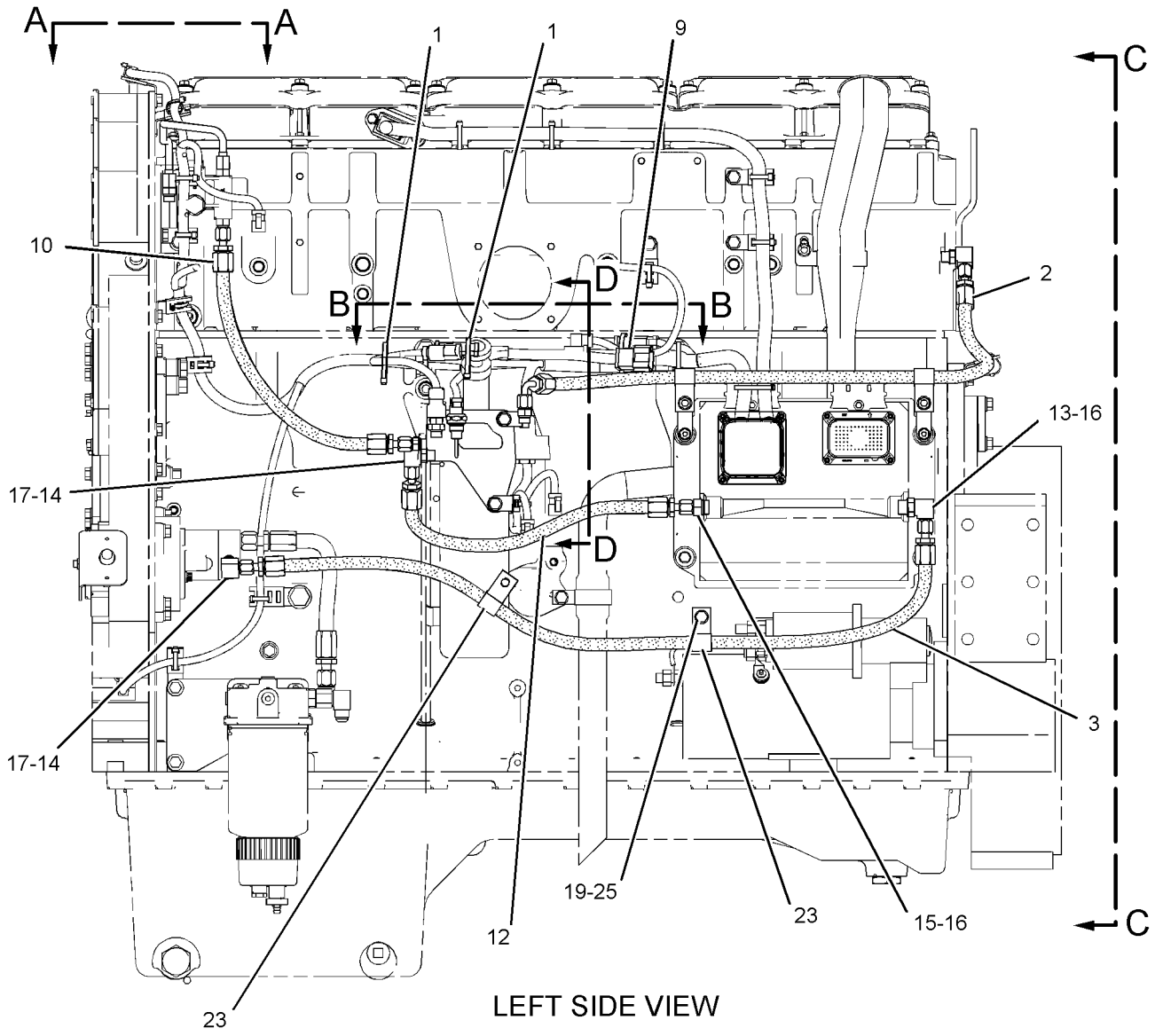
S/N: JRE1-112
MID MOUNT
FOR USE WITH FUEL COOLED ECM, PUMP GROUP FUEL PRIMING. CANNOT BE USED WITH RADIATOR PACKAGE
AN ATTACHMENT

SMCS-1261, 1274 **i02203047**

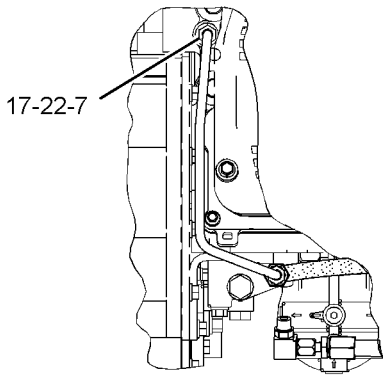
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
I	2	1	**4P-0902**	1	HOSE AS	
I	3	1	**9N-5613**	1	HOSE AS	
	4	2	**118-7809**	2	PLATE	
	5	2	**160-4372**	1	SUPPORT-BASE	
	6	2	**160-8124**	1	PLUG AS (2-PIN)	
		2	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		2	**8T-8737**	2	PLUG-SEAL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
Y	8	2	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
	9	1	*227-3812*	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					EACH INCLUDES PLUG AS AND WEDGE	
		1	**8T-8737**	1	PLUG-SEAL	
I	10	1	**237-2706**	1	HOSE AS	
Y	11	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	12	1	**247-0486**	1	HOSE AS	
	13	1	**005-4362**	1	ELBOW	
	14	1,2	**030-7947**	3	ELBOW	
	15	1	**030-8188**	1	CONNECTOR	
	16	1	**033-6028**	2	SEAL-O-RING	
	17	1,2	**033-6042**	6	SEAL-O-RING	
	18	2	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	19	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	20	2	**0T-0573**	1	BOLT (3/8-16X2.75-IN)	
	21	2	**1A-5964**	2	BOLT (3/8-16X4.5-IN)	
	22	1,2	**2R-6806**	3	CONNECTOR-O-RING	
	23	1,2	**4D-7735**	4	CLIP	
	24	2	**4P-8134**	2	CLIP	
	25	1,2	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	26	2	**5S-0003**	2	NUT (5/16-18-THD)	
	27	2	**6V-5049**	1	SEAL-O-RING	
	28	2	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	29	2	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	30	2	**9X-0261**	1	ADAPTER	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

255-0654 **LINES GP-FUEL FILTER** *(contd.)* **i02203047**



LEFT SIDE VIEW

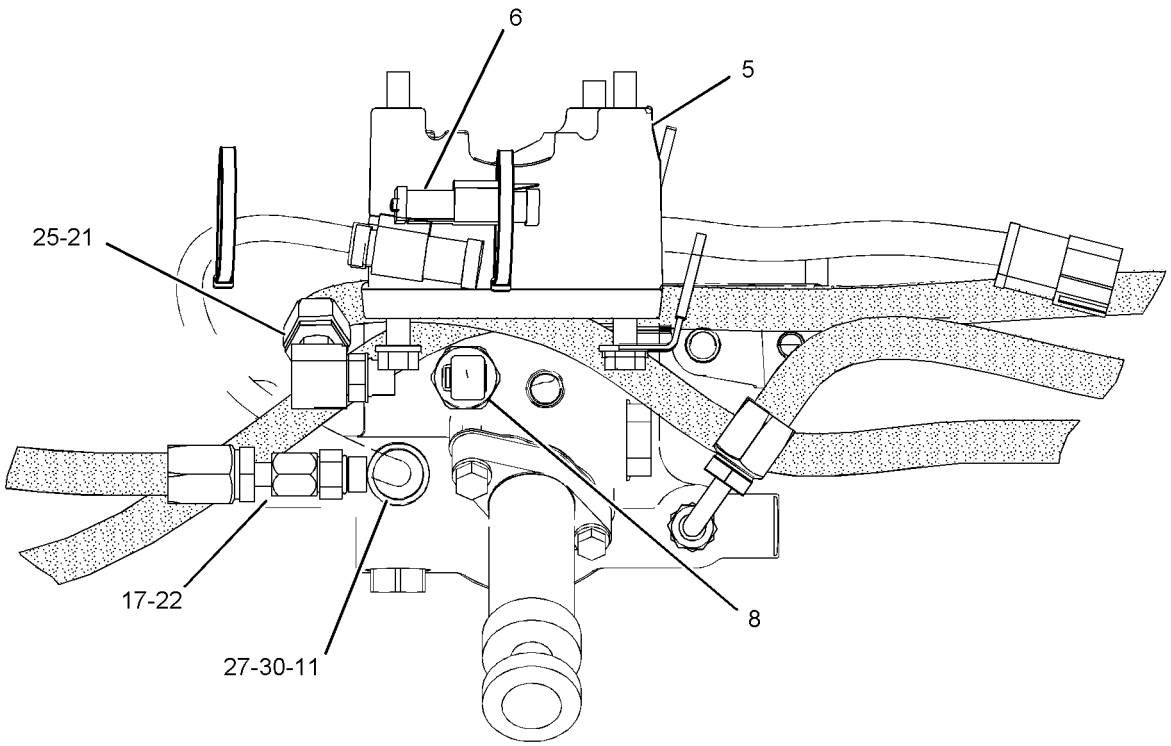


VIEW A-A

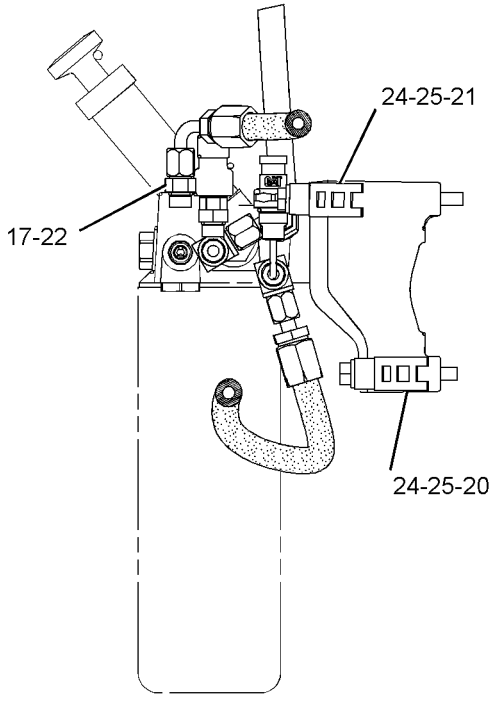
REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

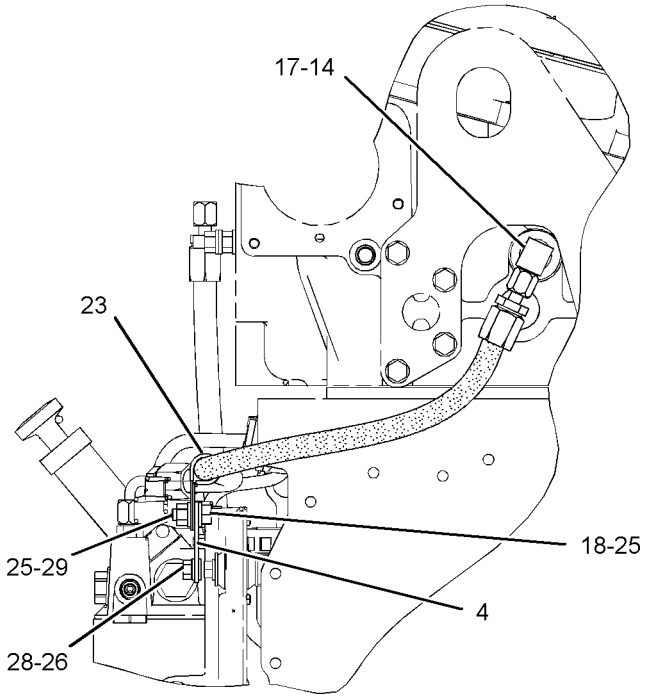
g01113997



VIEW B-B



SECTION D-D



VIEW C-C

GRAPHIC #2 **<END>** g01114009

FUEL SYSTEM

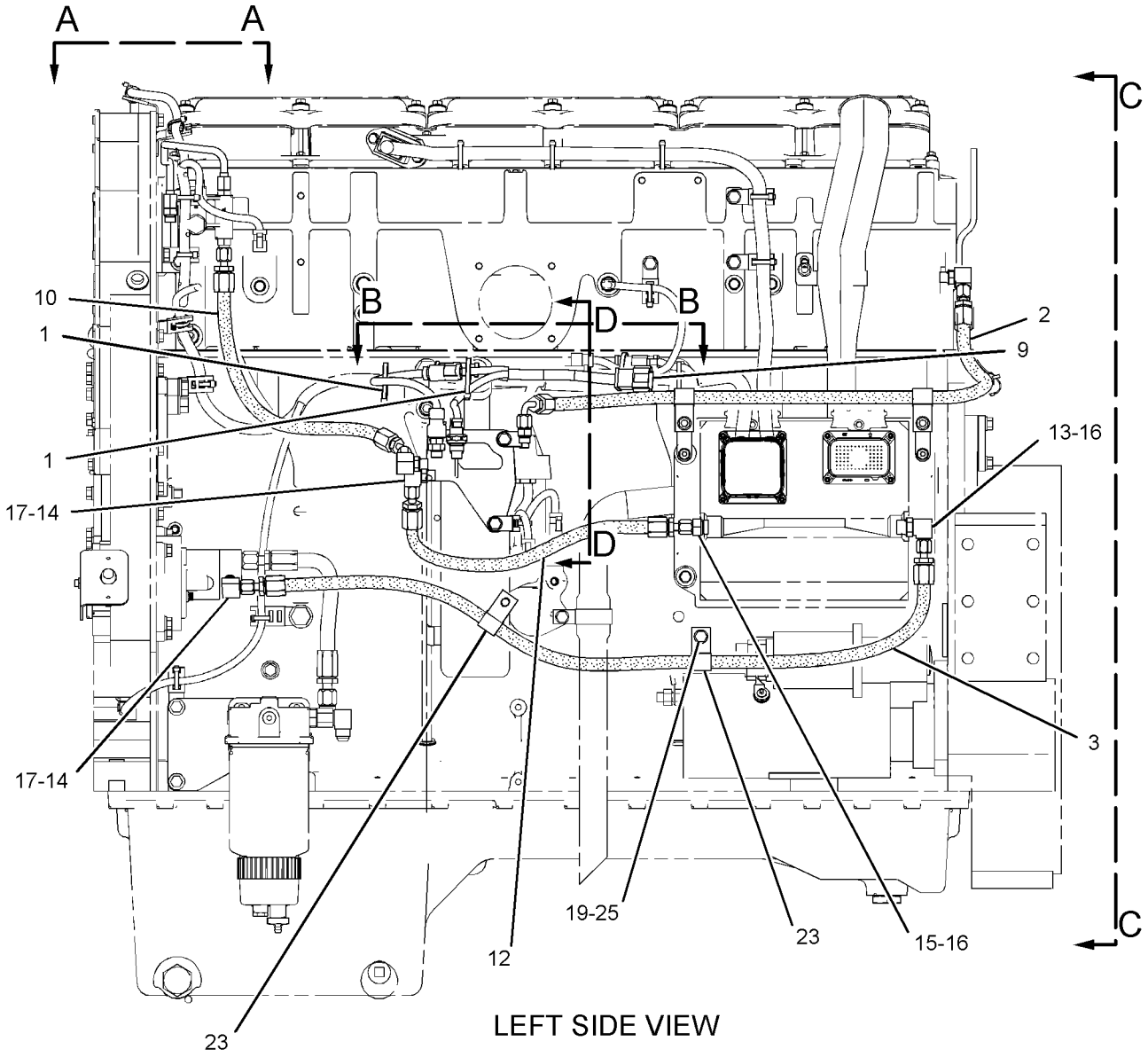
255-0654 LINES GP-FUEL FILTER

S/N: JRE112-828
MID MOUNT
FOR USE WITH FUEL COOLED ECM, PUMP GROUP FUEL PRIMING. CANNOT BE USED WITH RADIATOR PACKAGE
AN ATTACHMENT

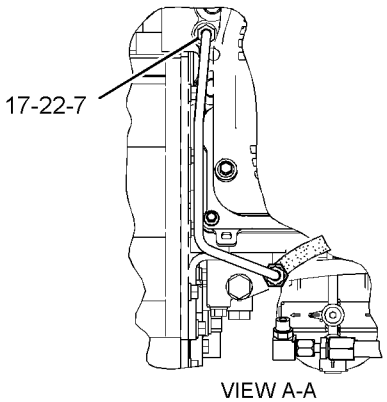
SMCS-1261, 1274 **i02434615**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
I	2	1	**4P-0902**	1	HOSE AS	
I	3	1	**9N-5613**	1	HOSE AS	
	4	2	**118-7809**	2	PLATE	
	5	2	**160-4372**	1	SUPPORT-BASE	
	6	2	**160-8124**	1	PLUG AS (2-PIN)	
		2	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		2	**8T-8737**	2	PLUG-SEAL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
Y	8	2	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
	9	1	**227-3812**	1	HARNESS AS-SENSOR (FUEL SENSOR)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					EACH INCLUDES PLUG AS AND WEDGE	
		1	**8T-8737**	1	PLUG-SEAL	
CI	10	1	**172-3443**	1	HOSE AS	
Y	11	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	12	1	**247-0486**	1	HOSE AS	
	13	1	**005-4362**	1	ELBOW	
	14	1,2	**030-7947**	4	ELBOW	
	15	1	**030-8188**	1	CONNECTOR	
	16	1	**033-6028**	2	SEAL-O-RING	
	17	1,2	**033-6042**	6	SEAL-O-RING	
	18	2	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	19	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	20	2	**0T-0573**	1	BOLT (3/8-16X2.75-IN)	
	21	2	**1A-5964**	2	BOLT (3/8-16X4.5-IN)	
	22	1,2	**2R-6806**	2	CONNECTOR-O-RING	
	23	1,2	**4D-7735**	4	CLIP	
	24	2	**4P-8134**	2	CLIP	
	25	1,2	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	26	2	**5S-0003**	2	NUT (5/16-18-THD)	
	27	2	**6V-5049**	1	SEAL-O-RING	
	28	2	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	29	2	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	30	2	**9X-0261**	1	ADAPTER	

C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW



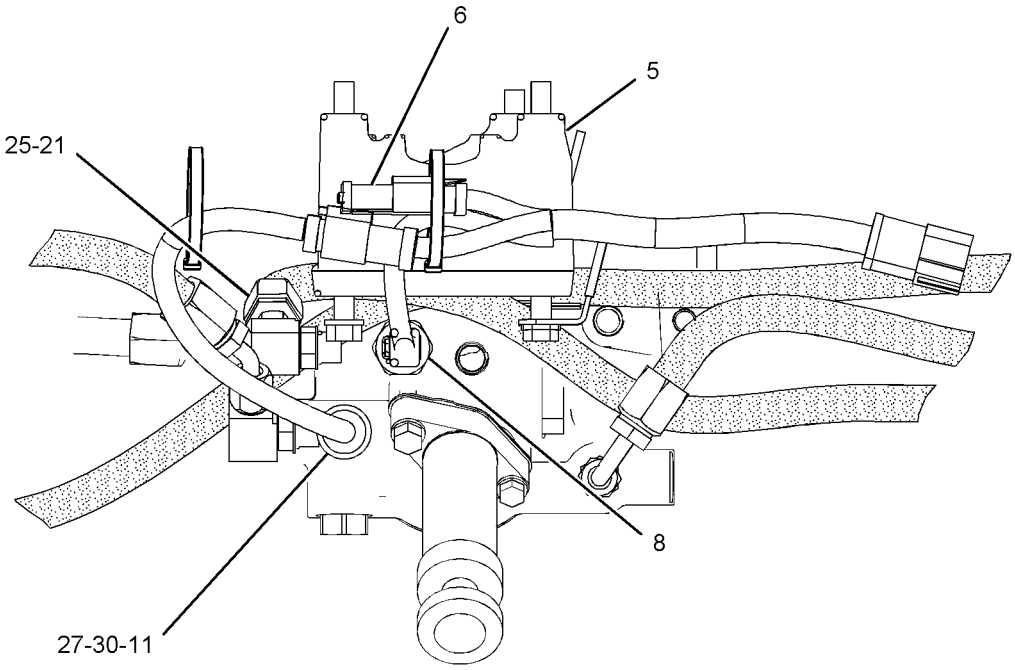
VIEW A-A

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

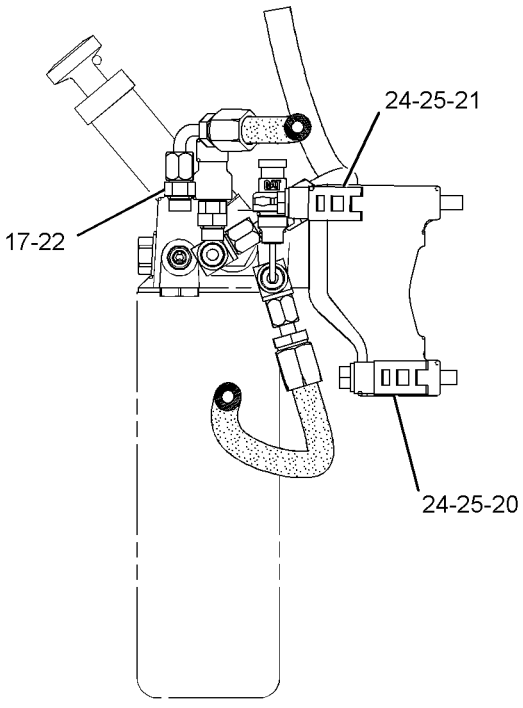
GRAPHIC #1

g01137957

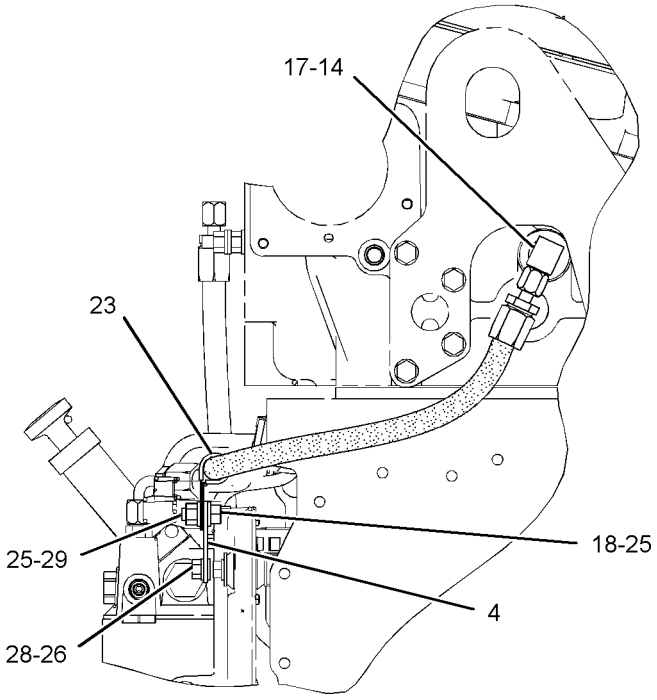
255-0654 **LINES GP-FUEL FILTER** *(contd.)* **i02434615**



VIEW B-B



SECTION D-D



VIEW C-C

GRAPHIC #2 **<END>** g01137958

FUEL SYSTEM

255-0654 LINES GP-FUEL FILTER

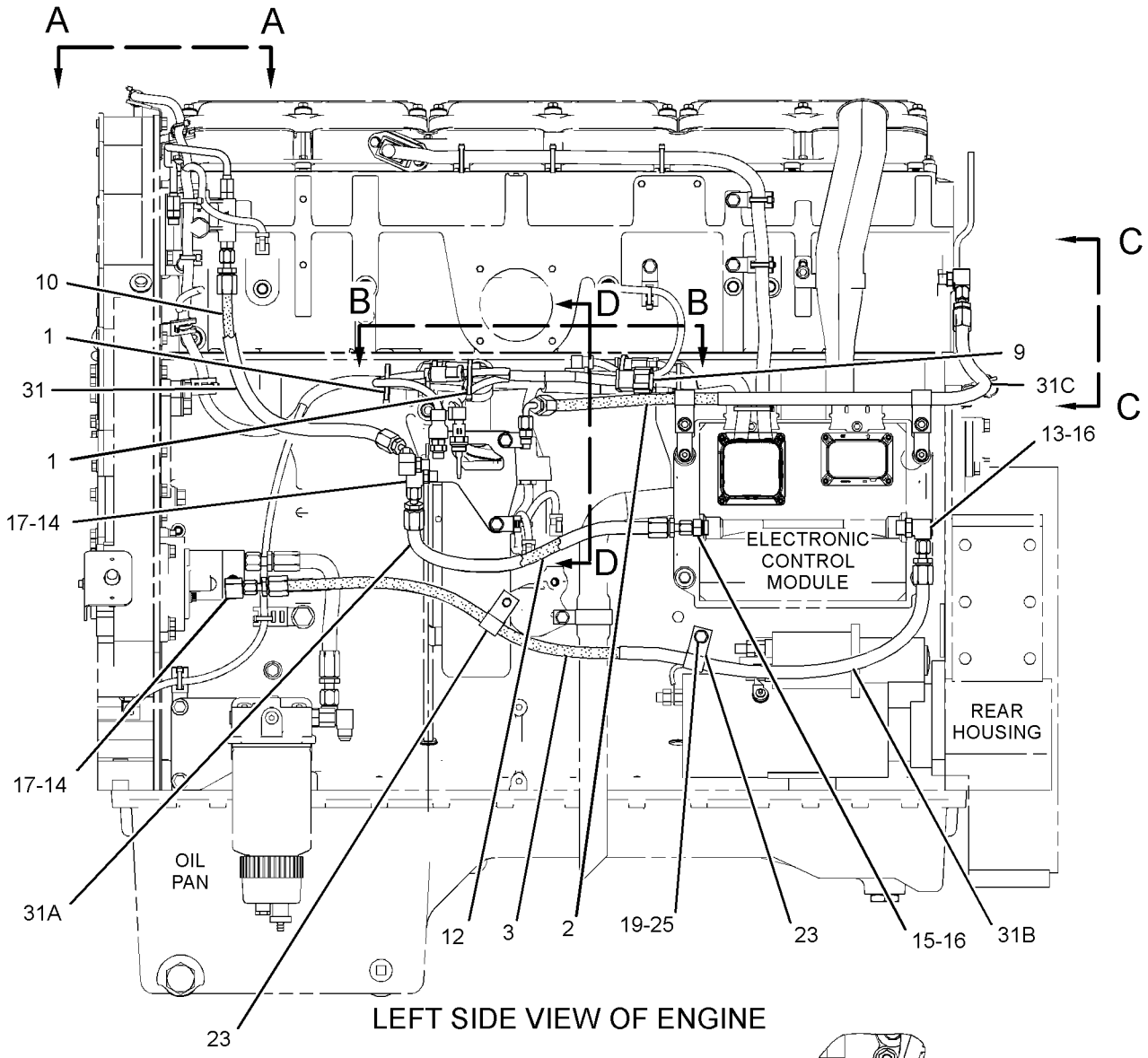
S/N: JRE829-UP
MID MOUNT
FOR USE WITH FUEL COOLED ECM, PUMP GROUP FUEL PRIMING. CANNOT BE USED WITH RADIATOR PACKAGE
AN ATTACHMENT

SMCS-1261, 1274 **i03583809**

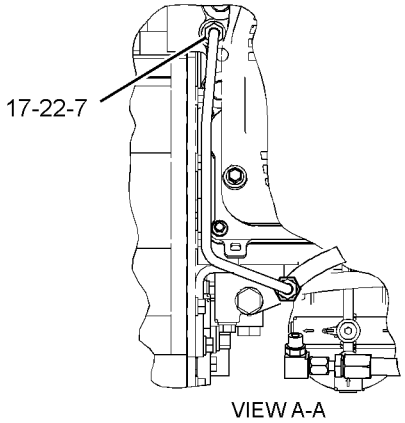
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
I	2	1	**4P-0902**	1	HOSE AS	
I	3	1	**9N-5613**	1	HOSE AS	
	4	2	**118-7809**	2	PLATE	
	5	2	**160-4372**	1	SUPPORT-BASE	
C	6	2	*278-8844*	1	PLUG AS-CONNECTOR	
		2	**8T-8737**	2	PLUG-SEAL	
		2	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
CY	8	2	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
C	9	1	**276-3091**	1	HARNESS AS-SENSOR (FUEL)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
I	10	1	**172-3443**	1	HOSE AS	
Y	11	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	12	1	**247-0486**	1	HOSE AS	
	13	1	**005-4362**	1	ELBOW	
	14	1,2	**030-7947**	4	ELBOW	
	15	1	**030-8188**	1	CONNECTOR	
	16	1	**033-6028**	2	SEAL-O-RING	
	17	1,2	**033-6042**	6	SEAL-O-RING	
	18	2	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	19	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	20	2	**0T-0573**	1	BOLT (3/8-16X2.75-IN)	
	21	2	**1A-5964**	2	BOLT (3/8-16X4.5-IN)	
	22	1,2	**2R-6806**	2	CONNECTOR-O-RING	
	23	1,2	**336-8613**	4	CLIP	
	24	2	**4P-8134**	2	CLIP	
	25	1,2	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	26	2	**5S-0003**	2	NUT (5/16-18-THD)	
	27	2	**6V-5049**	1	SEAL-O-RING	
	28	2	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	29	2	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	30	2	**9X-0261**	1	ADAPTER	
E	31	1	**8C-5064**		CONDUIT-FLEXIBLE (36-CM)	
E	31A	1	**8C-5064**		CONDUIT-FLEXIBLE (38-CM)	
E	31B	1	**8C-5064**		CONDUIT-FLEXIBLE (51-CM)	
E	31C	1	**8C-5064**		CONDUIT-FLEXIBLE (60-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

255-0654 **LINES GP-FUEL FILTER** *(contd.)* **i03583809**



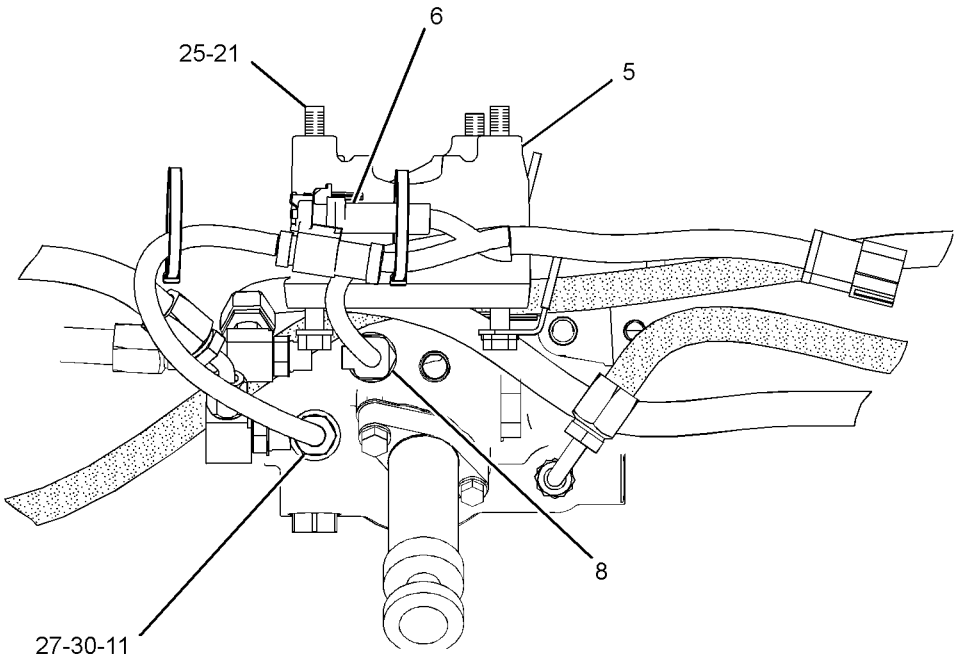
LEFT SIDE VIEW OF ENGINE



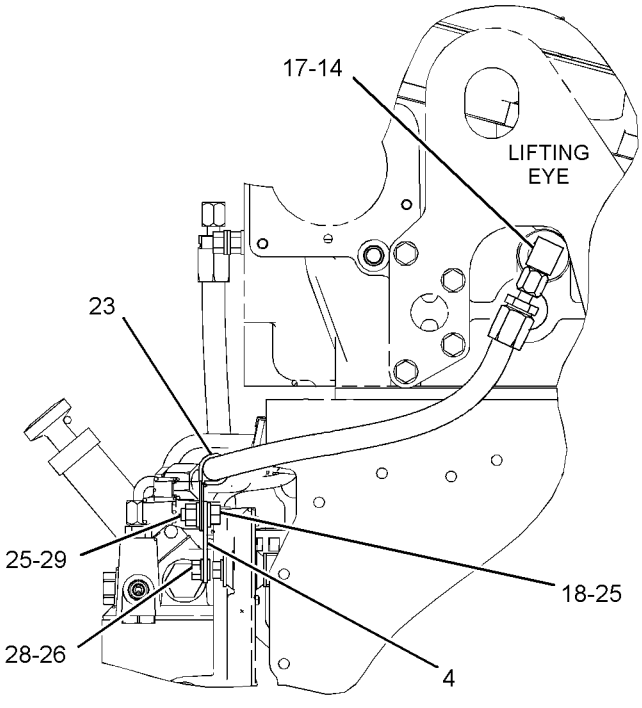
VIEW A-A

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

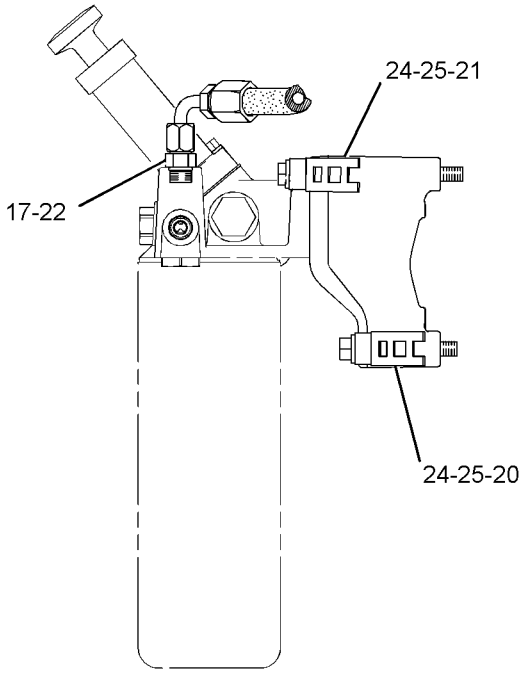
GRAPHIC #1 g01478220



VIEW B-B



VIEW C-C



SECTION D-D

GRAPHIC #2 **<END>** g01515192

FUEL SYSTEM

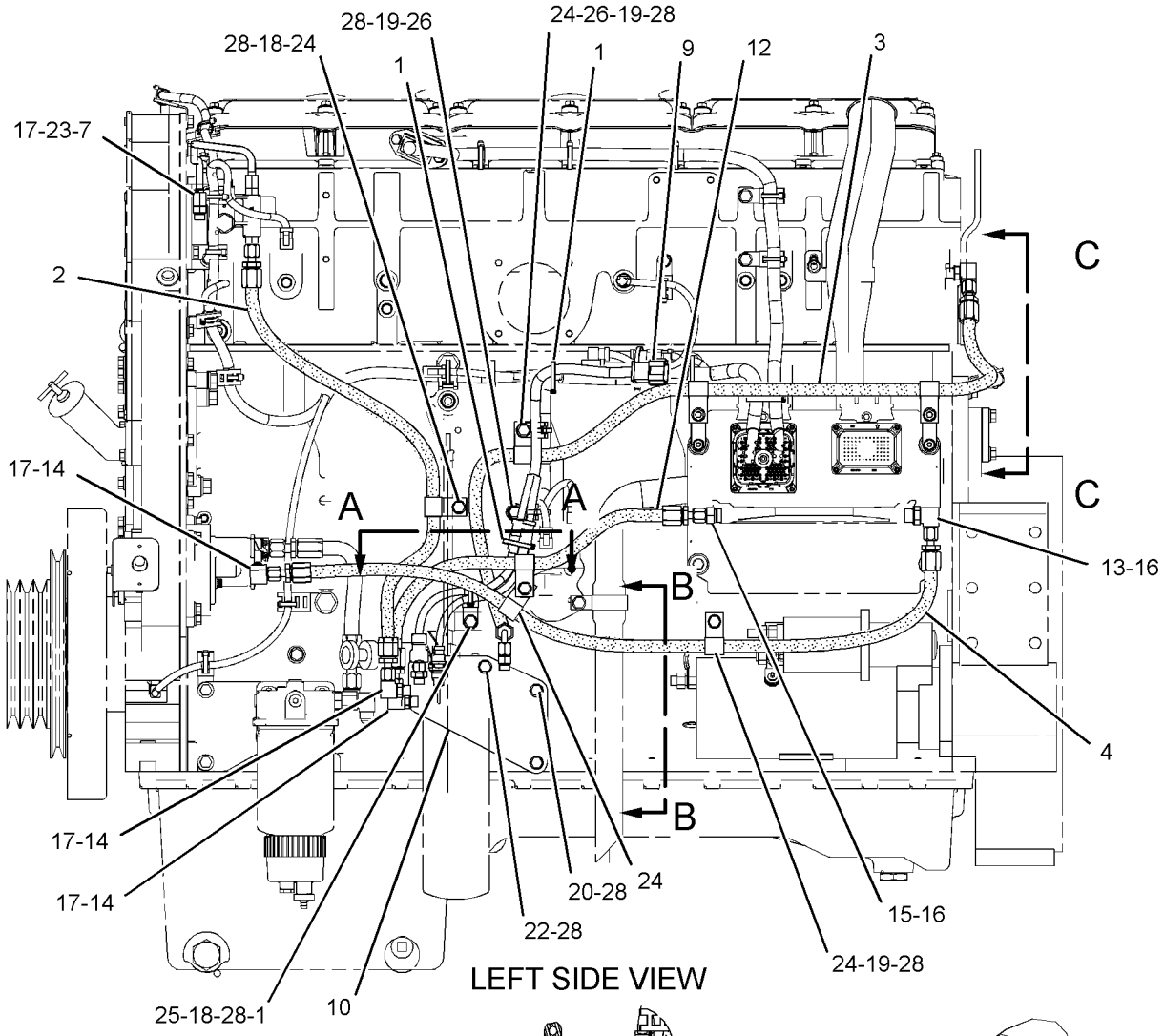
255-0655 LINES GP-FUEL FILTER

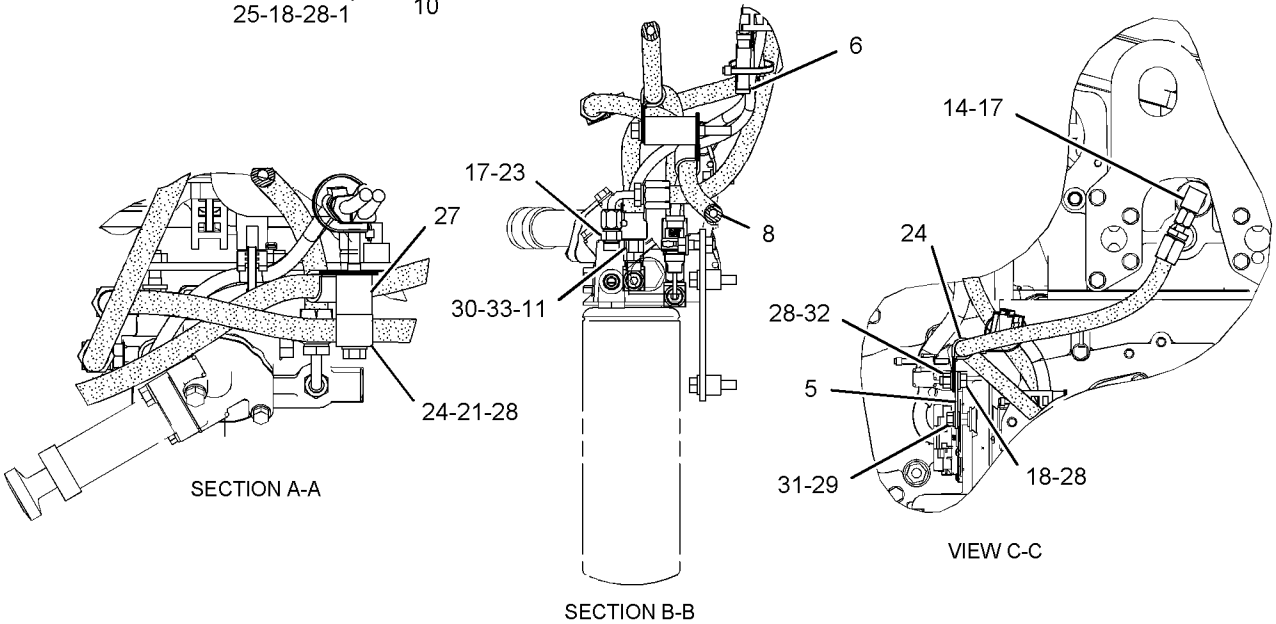
S/N: JRE1-110
FOR USE WITH FUEL COOLED ECM, RADIATOR PACKAGE, FUEL PRIMING PUMP GROUP, 192-1623—PAGE 879
AN ATTACHMENT

SMCS-1261, 1274 **i02161202**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	3	STRAP-CABLE	
I	2	1	**4W-6841**	1	HOSE AS	
I	3	1	**7W-8857**	1	HOSE AS	
I	4	1	**9N-5613**	1	HOSE AS	
	5	1	**118-7809**	2	PLATE	
	6	1	**160-8124**	1	PLUG AS (2-PIN)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	2	PLUG-SEAL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
Y	8	1	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
	9	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	1	PLUG-SEAL	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
	10	1	**232-0768**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**1L-5081**	2	SPACER (0.41X0.75X0.56-IN THK)	
Y	11	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	12	1	**247-0486**	1	HOSE AS	
	13	1	**005-4362**	1	ELBOW	
	14	1	**030-7947**	4	ELBOW	
	15	1	**030-8188**	1	CONNECTOR	
	16	1	**033-6028**	2	SEAL-O-RING	
	17	1	**033-6042**	6	SEAL-O-RING	
	18	1	**0L-1351**	5	BOLT (3/8-16X0.875-IN)	
	19	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	20	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	21	1	**0T-0065**	1	BOLT (3/8-16X3.5-IN)	
	22	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	23	1	**2R-6806**	2	CONNECTOR-O-RING	
	24	1	**4D-7735**	7	CLIP	
	25	1	**4P-7581**	1	CLIP	
	26	1	**4P-8134**	2	CLIP	
	27	1	**5G-9603**	1	SPACER (11.03X26.6X50-MM THK)	
	28	1	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	29	1	**5S-0003**	2	NUT (5/16-18-THD)	
	30	1	**6V-5049**	1	SEAL-O-RING	
	31	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	32	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	33	1	**9X-0261**	1	ADAPTER	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION





GRAPHIC #1

<END>

g01086941

FUEL SYSTEM

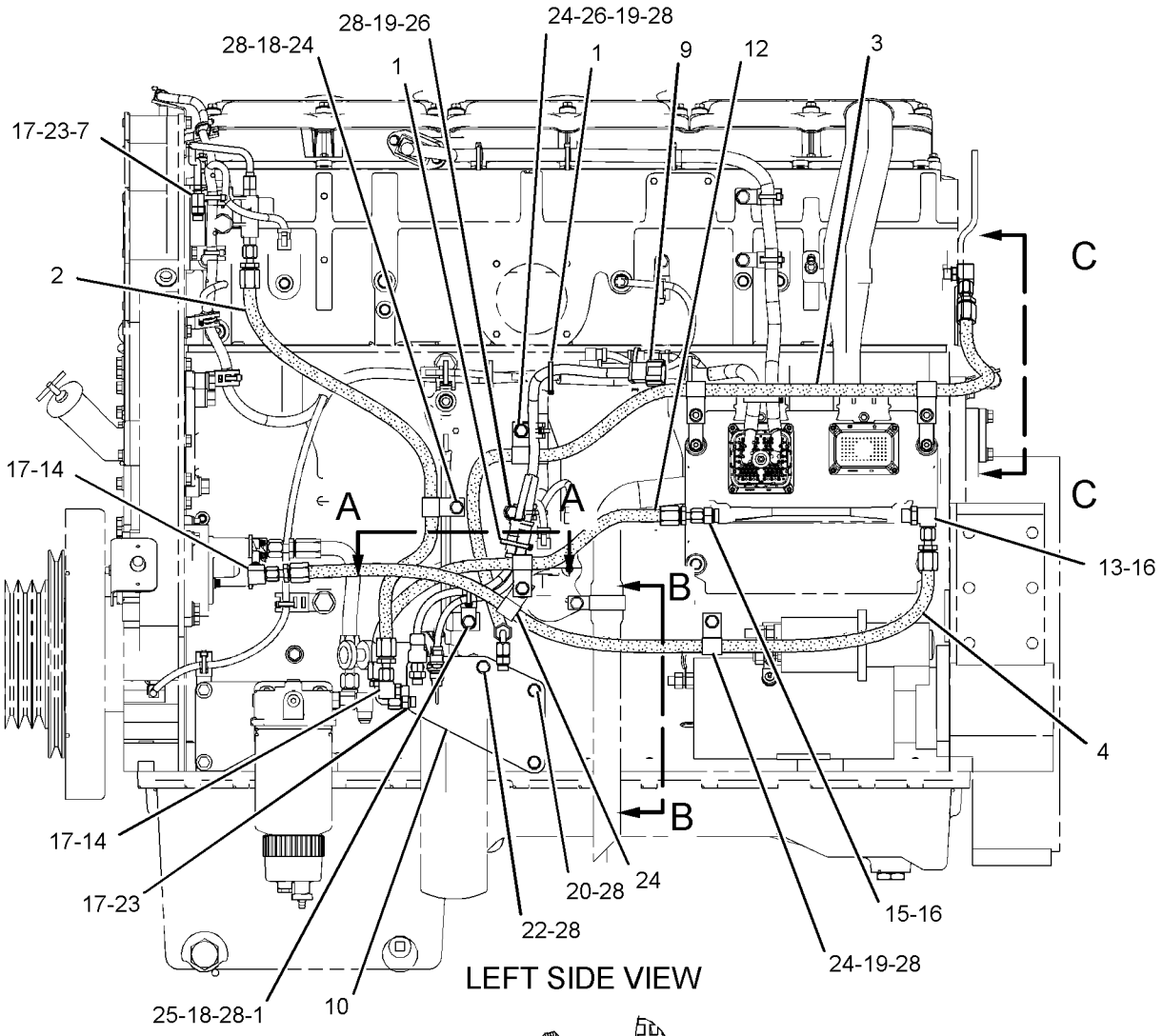
255-0655 LINES GP-FUEL FILTER

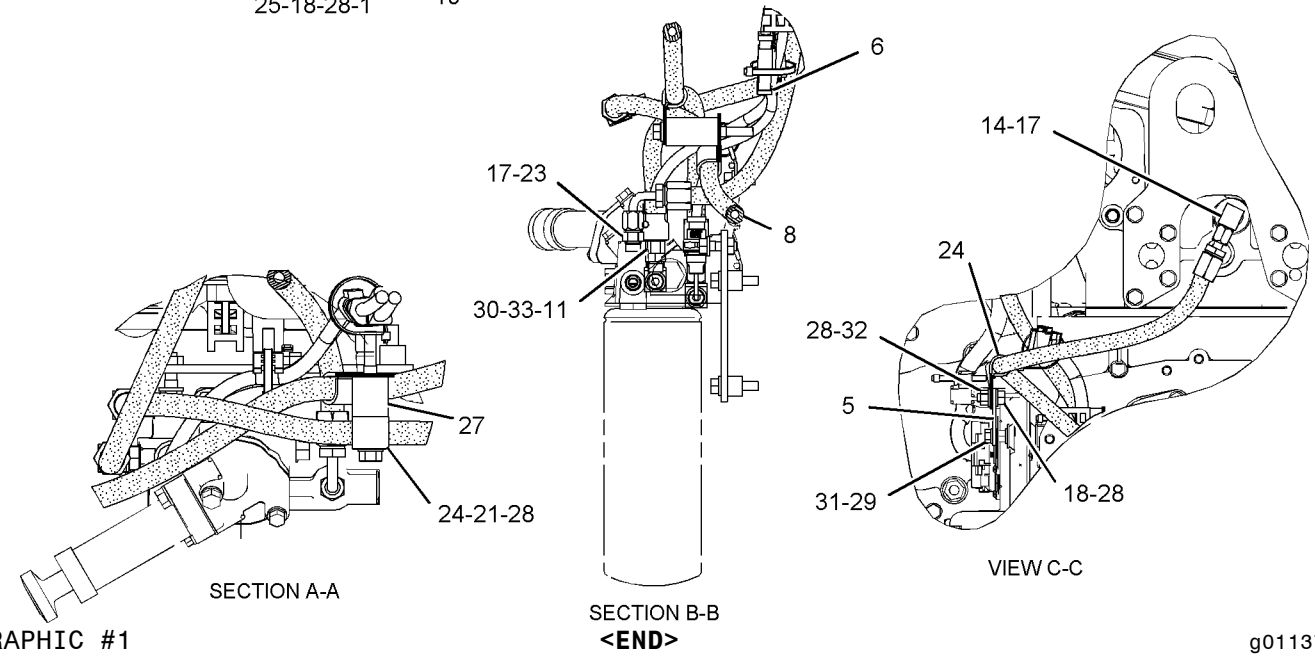
S/N: JRE111-828
FOR USE WITH FUEL COOLED ECM, RADIATOR PACKAGE, FUEL PRIMING PUMP GROUP, 192-1623—PAGE 879
AN ATTACHMENT

SMCS-1261, 1274 **i02227875**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	3	STRAP-CABLE	
I	2	1	**4W-6841**	1	HOSE AS	
I	3	1	**7W-8857**	1	HOSE AS	
I	4	1	**9N-5613**	1	HOSE AS	
	5	1	**118-7809**	2	PLATE	
	6	1	**160-8124**	1	PLUG AS (2-PIN)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	2	PLUG-SEAL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
Y	8	1	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
	9	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	1	PLUG-SEAL	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
	10	1	**232-0768**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**1L-5081**	2	SPACER (0.41X0.75X0.56-IN THK)	
Y	11	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
CI	12	1	**194-0431**	1	HOSE AS	
	13	1	**005-4362**	1	ELBOW	
C	14	1	**030-7947**	3	ELBOW	
	15	1	**030-8188**	1	CONNECTOR	
	16	1	**033-6028**	2	SEAL-O-RING	
	17	1	**033-6042**	6	SEAL-O-RING	
	18	1	**0L-1351**	5	BOLT (3/8-16X0.875-IN)	
	19	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	20	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	21	1	**0T-0065**	1	BOLT (3/8-16X3.5-IN)	
	22	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
C	23	1	**2R-6806**	3	CONNECTOR-O-RING	
	24	1	**4D-7735**	7	CLIP	
	25	1	**4P-7581**	1	CLIP	
	26	1	**4P-8134**	2	CLIP	
	27	1	**5G-9603**	1	SPACER (11.03X26.6X50-MM THK)	
	28	1	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	29	1	**5S-0003**	2	NUT (5/16-18-THD)	
	30	1	**6V-5049**	1	SEAL-O-RING	
	31	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	32	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	33	1	**9X-0261**	1	ADAPTER	

C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION





GRAPHIC #1

<END>

g01137956

FUEL SYSTEM

255-0655 LINES GP-FUEL FILTER

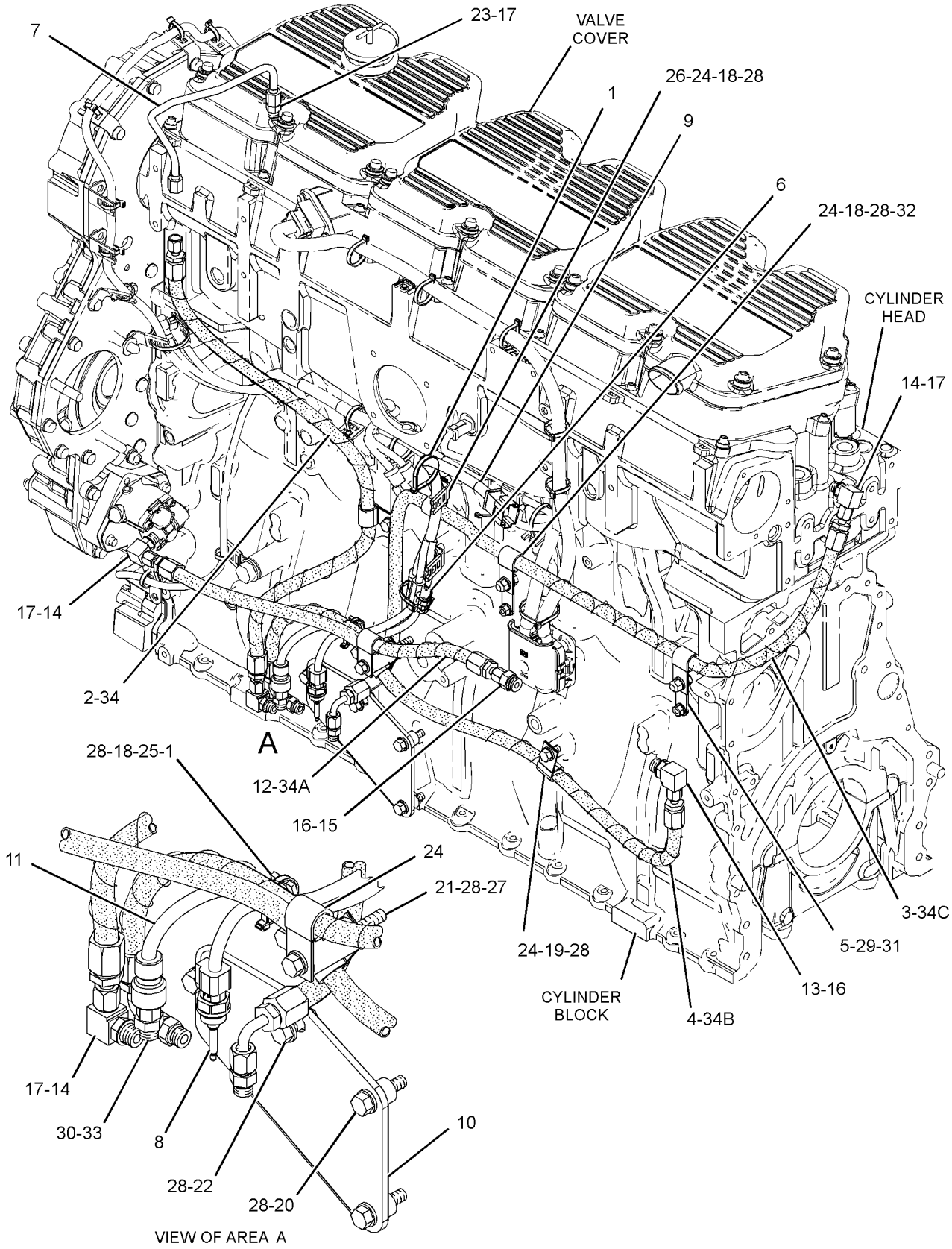
S/N: JRE829-UP
FOR USE WITH FUEL COOLED ECM, RADIATOR PACKAGE, FUEL PRIMING PUMP GROUP, 192-1623—PAGE 879
AN ATTACHMENT

SMCS-1261, 1274 **i03642030**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	3	STRAP-CABLE	
I	2	1	**4W-6841**	1	HOSE AS	
I	3	1	**7W-8857**	1	HOSE AS	
I	4	1	**9N-5613**	1	HOSE AS	
	5	1	**118-7809**	2	PLATE	
C	6	1	*278-8844*	1	PLUG AS-CONNECTOR	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
CY	8	1	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
C	9	1	**276-3091**	1	HARNESS AS-SENSOR (FUEL SENSOR)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
	10	1	**232-0768**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**1L-5081**	2	SPACER (0.41X0.75X0.56-IN THK)	
Y	11	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	12	1	**194-0431**	1	HOSE AS	
	13	1	**005-4362**	1	ELBOW	
	14	1	**030-7947**	3	ELBOW	
	15	1	**030-8188**	1	CONNECTOR	
	16	1	**033-6028**	2	SEAL-O-RING	
	17	1	**033-6042**	6	SEAL-O-RING	
	18	1	**0L-1351**	5	BOLT (3/8-16X0.875-IN)	
	19	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	20	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	21	1	**0T-0065**	1	BOLT (3/8-16X3.5-IN)	
	22	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	23	1	**2R-6806**	3	CONNECTOR-O-RING	
	24	1	**336-8613**	7	CLIP	
	25	1	**4P-7581**	1	CLIP	
	26	1	**4P-8134**	2	CLIP	
	27	1	**5G-9603**	1	SPACER (11.03X26.6X50-MM THK)	
	28	1	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	29	1	**5S-0003**	2	NUT (5/16-18-THD)	
	30	1	**6V-5049**	1	SEAL-O-RING	
	31	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	32	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	33	1	**9X-0261**	1	ADAPTER	
E	34	1	**8C-5064**		CONDUIT-FLEXIBLE (73-CM)	
E	34A	1	**8C-5064**		CONDUIT-FLEXIBLE (49-CM)	
E	34B	1	**8C-5064**		CONDUIT-FLEXIBLE (52-CM)	
E	34C	1	**8C-5064**		CONDUIT-FLEXIBLE (60-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

255-0655 **LINES GP-FUEL FILTER** *(contd.)* **i03642030**



GRAPHIC #1 **<END>** g01492714

FUEL SYSTEM

255-0656 LINES GP-FUEL FILTER

S/N: JRE1-828

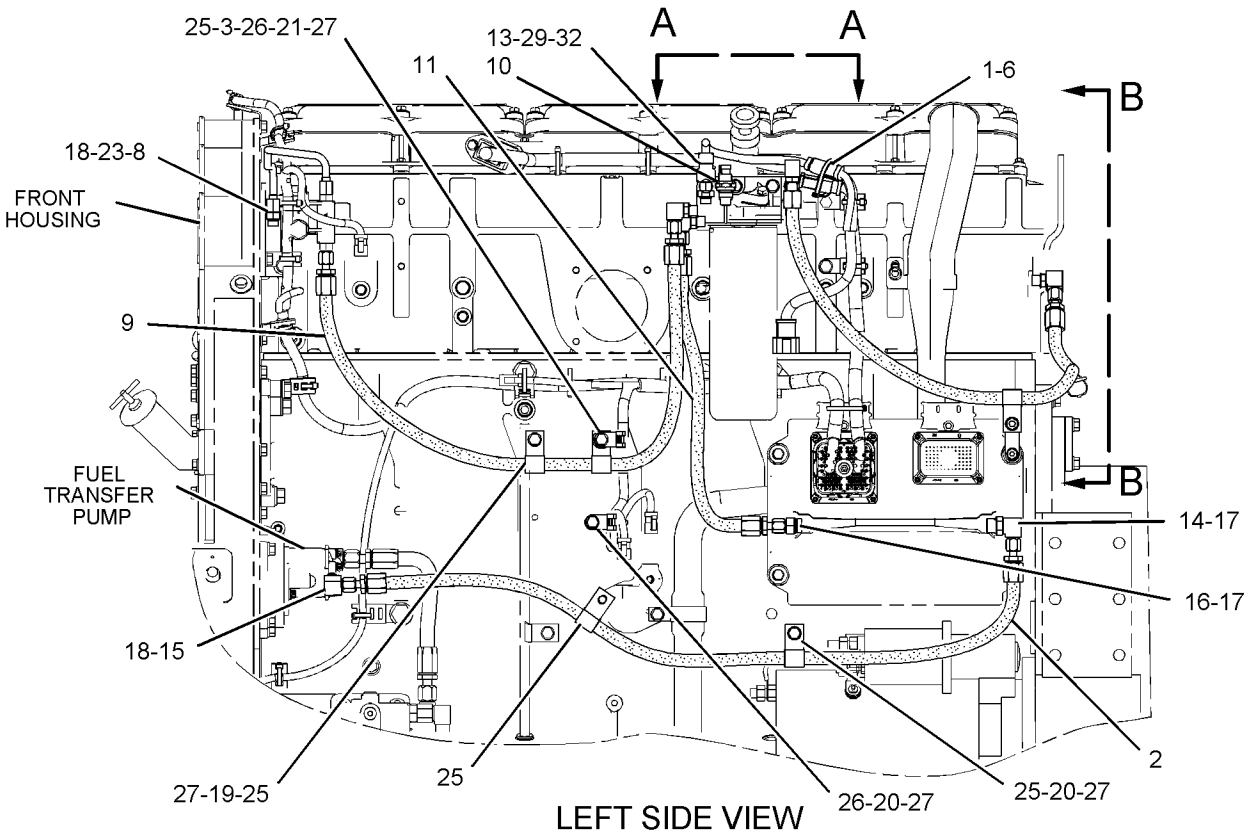
FOR USE WITH FUEL COOLED ECM, FUEL PRIMING PUMP GROUP. CANNOT BE USED WITH INSTRUMENT PANEL GROUP

AN ATTACHMENT

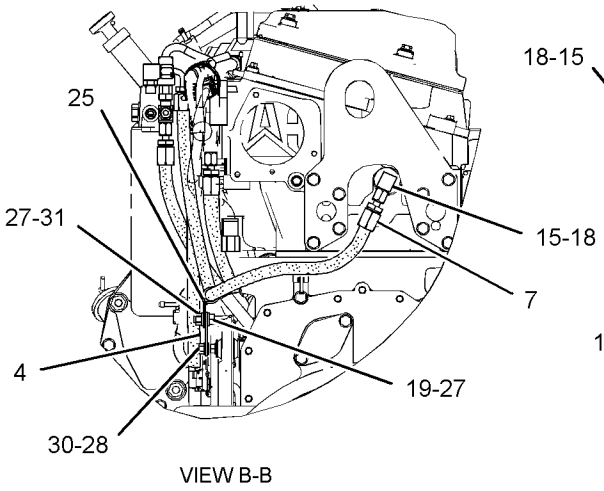
SMCS-1261, 1274 **i02277916**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
I	2	1	**9N-5613**	1	HOSE AS	
	3	1	**101-3120**	1	SPACER (10.5X25X20-MM THK)	
	4	1	**118-7809**	1	PLATE	
	5	1	**137-5110**	1	BRACKET	
	6	1	**160-8124**	1	PLUG AS (2-PIN)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
I	7	1	**166-5919**	1	HOSE AS-FUEL	
	8	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
I	9	1	**172-3446**	1	HOSE AS	
Y	10	1	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
I	11	1	**256-2211**	1	HOSE AS	
	12	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	1	PLUG-SEAL	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
Y	13	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	14	1	**005-4362**	1	ELBOW	
	15	1	**030-7947**	5	ELBOW	
	16	1	**030-8188**	1	CONNECTOR	
	17	1	**033-6028**	2	SEAL-O-RING	
	18	1	**033-6042**	6	SEAL-O-RING	
	19	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	20	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	21	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	22	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	23	1	**2R-6806**	1	CONNECTOR-O-RING	
	24	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	25	1	**4D-7735**	5	CLIP	
	26	1	**4P-8134**	2	CLIP	
	27	1	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	28	1	**5S-0003**	1	NUT (5/16-18-THD)	
	29	1	**6V-5049**	1	SEAL-O-RING	
	30	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	31	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	32	1	**9X-0261**	1	ADAPTER	

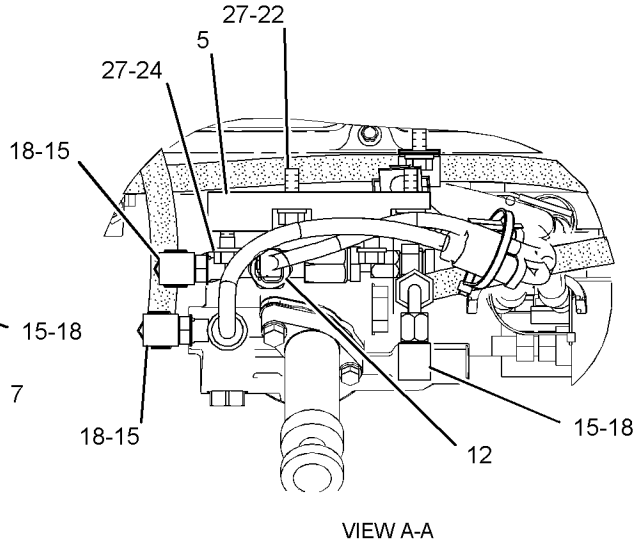
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW



VIEW B-B



VIEW A-A

GRAPHIC #1 **<END>** g01087007

FUEL SYSTEM

255-0656 LINES GP-FUEL FILTER

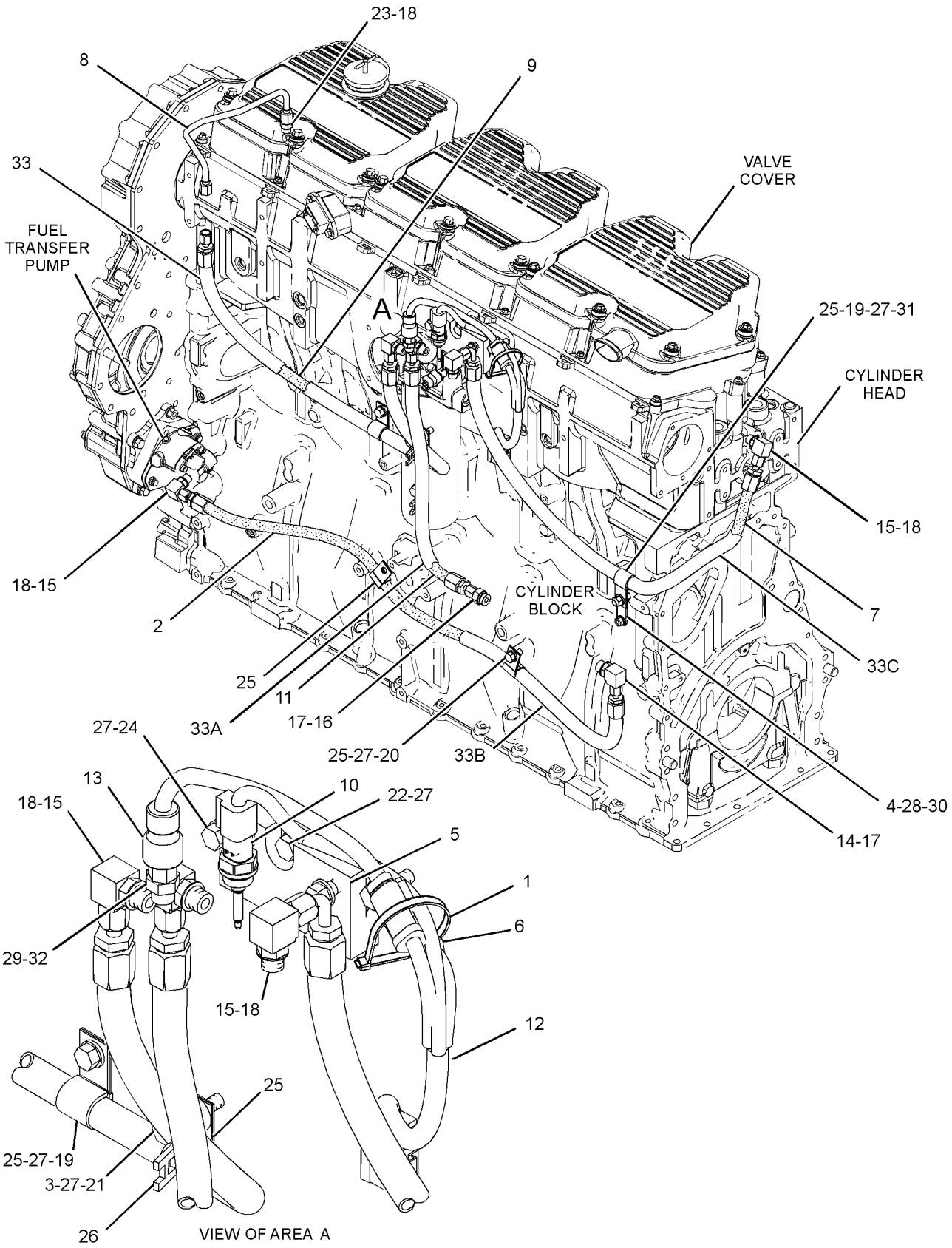
FOR USE WITH FUEL COOLED ECM, FUEL PRIMING PUMP GROUP. CANNOT BE USED WITH INSTRUMENT PANEL GROUP
AN ATTACHMENT

SMCS-1261, 1274 **i03519781**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
I	2	1	**9N-5613**	1	HOSE AS	
	3	1	**101-3120**	1	SPACER (10.5X25X20-MM THK)	
	4	1	**118-7809**	1	PLATE	
	5	1	**137-5110**	1	BRACKET	
C	6	1	*278-8844*	1	PLUG AS-CONNECTOR	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
I	7	1	**166-5919**	1	HOSE AS-FUEL	
	8	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
I	9	1	**172-3446**	1	HOSE AS	
CY	10	1	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
I	11	1	**256-2211**	1	HOSE AS	
C	12	1	**276-3091**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
Y	13	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	14	1	**005-4362**	1	ELBOW	
	15	1	**030-7947**	5	ELBOW	
	16	1	**030-8188**	1	CONNECTOR	
	17	1	**033-6028**	2	SEAL-O-RING	
	18	1	**033-6042**	6	SEAL-O-RING	
	19	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	20	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	21	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	22	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	23	1	**2R-6806**	1	CONNECTOR-O-RING	
	24	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	25	1	**336-8613**	5	CLIP	
	26	1	**4P-8134**	2	CLIP	
	27	1	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	28	1	**5S-0003**	1	NUT (5/16-18-THD)	
	29	1	**6V-5049**	1	SEAL-O-RING	
	30	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	31	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	32	1	**9X-0261**	1	ADAPTER	
E	33	1	**8C-5064**		CONDUIT-FLEXIBLE (91-CM)	
E	33A	1	**8C-5064**		CONDUIT-FLEXIBLE (39-CM)	
E	33B	1	**8C-5064**		CONDUIT-FLEXIBLE (51-CM)	
E	33C	1	**8C-5064**		CONDUIT-FLEXIBLE (75-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

255-0656 **LINES GP-FUEL FILTER** *(contd.)* **i03519781**



GRAPHIC #1 **<END>** g01481232

FUEL SYSTEM

255-0657 LINES GP-FUEL FILTER

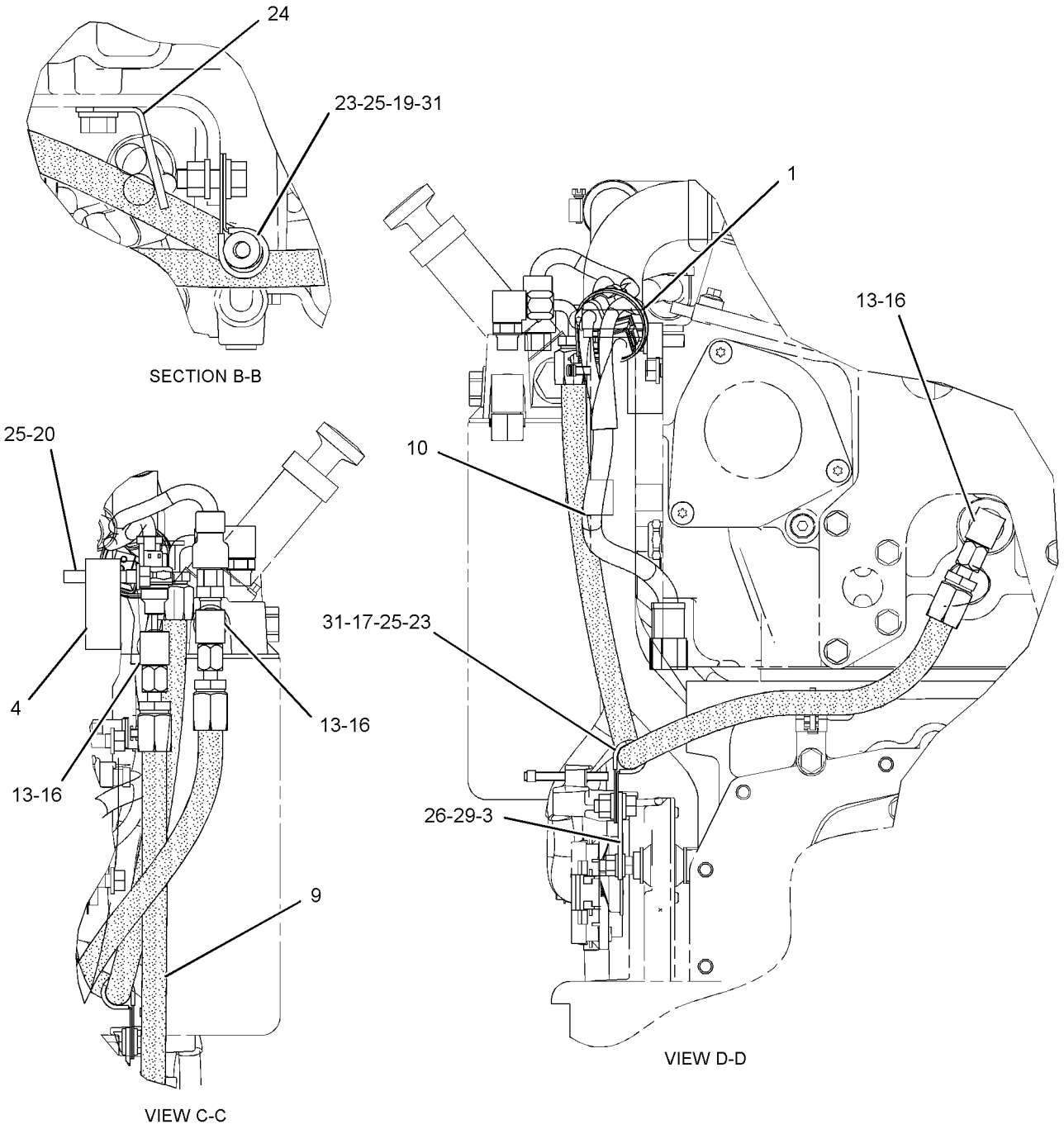
S/N: JRE1-828
HIGH MOUNT
FOR USE WITH FUEL COOLED ECM, AIR COMPRESSOR GROUP, 247-5711—PAGE 284, PRIMING PUMP GROUP. CANNOT BE USED WITH INSTRUMENT PANEL GROUP AN ATTACHMENT

SMCS-1261, 1274 **i02538720**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
I	2	2	**9N-5613**	1	HOSE AS	
	3	1	**118-7809**	1	PLATE	
	4	1	**137-5110**	1	BRACKET	
	5	2	**160-8124**	1	PLUG AS (2-PIN)	
		2	**8T-8737**	2	PLUG-SEAL	
		2	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
I	6	2	**166-5919**	1	HOSE AS-FUEL	
	7	2	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
Y	8	2	*197-8391*	1	SENSOR GP-TEMPERATURE (INTAKE AIR MANIFOLD)	906
I	9	1	**256-2211**	1	HOSE AS	
	10	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**8T-8737**	1	PLUG-SEAL	
Y	11	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	12	2	**005-4362**	1	ELBOW	
	13	1,2	**030-7947**	5	ELBOW	
	14	2	**030-8188**	1	CONNECTOR	
	15	2	**033-6028**	2	SEAL-O-RING	
	16	1,2	**033-6042**	6	SEAL-O-RING	
	17	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	18	2	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	19	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	2	**2R-6806**	1	CONNECTOR-O-RING	
	22	2	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	23	1,2	**4D-7735**	4	CLIP	
	24	1,2	**4P-8134**	2	CLIP	
	25	1,2	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	26	1	**5S-0003**	1	NUT (5/16-18-THD)	
	27	2	**6V-5049**	1	SEAL-O-RING	
	28	2	**8M-2773**	1	CLIP	
	29	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
I	30	2	**9N-5613**	1	HOSE AS	
	31	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	32	2	**9X-0261**	1	ADAPTER	

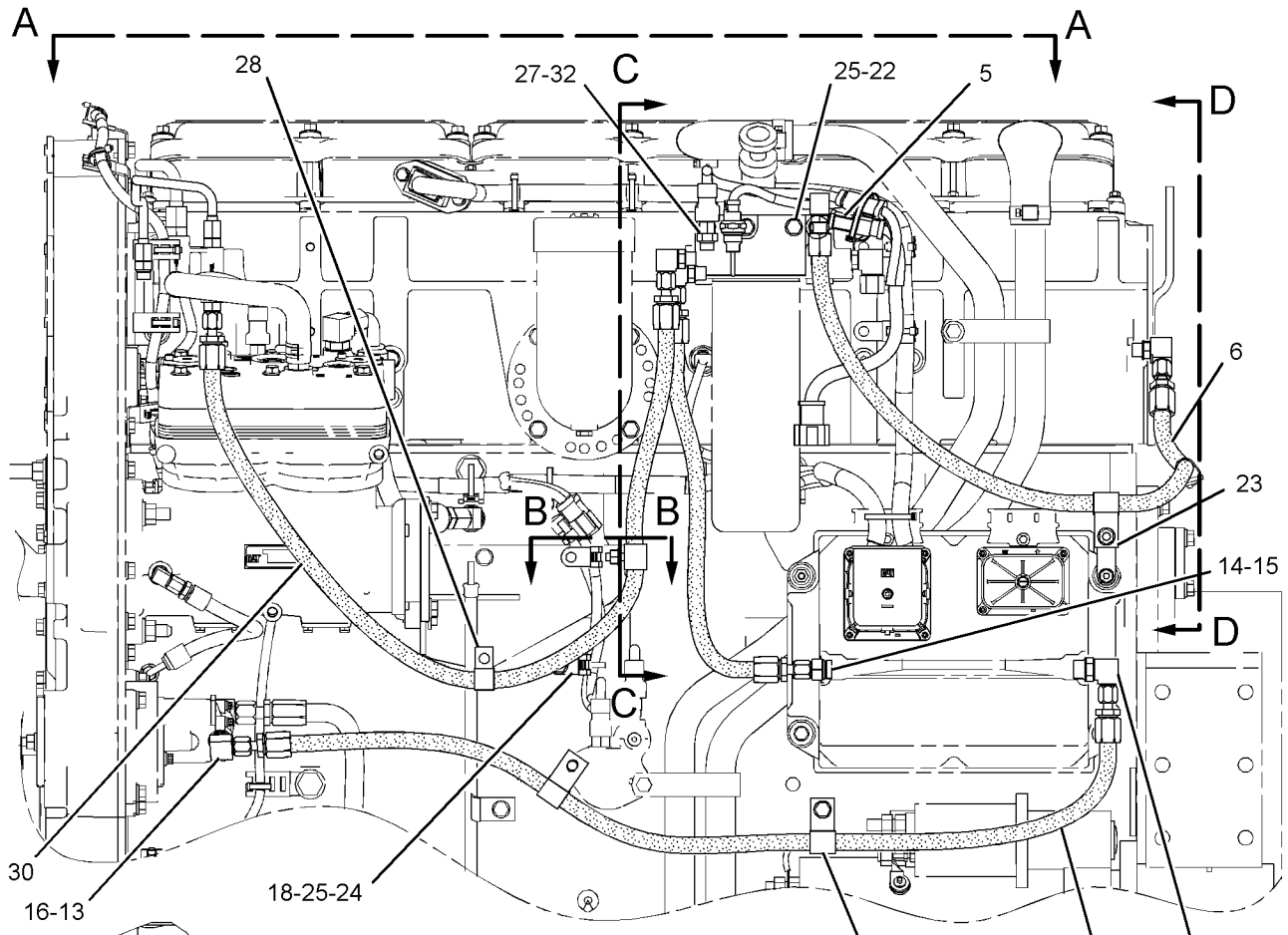
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

255-0657 **LINES GP-FUEL FILTER** *(contd.)* **i02538720**

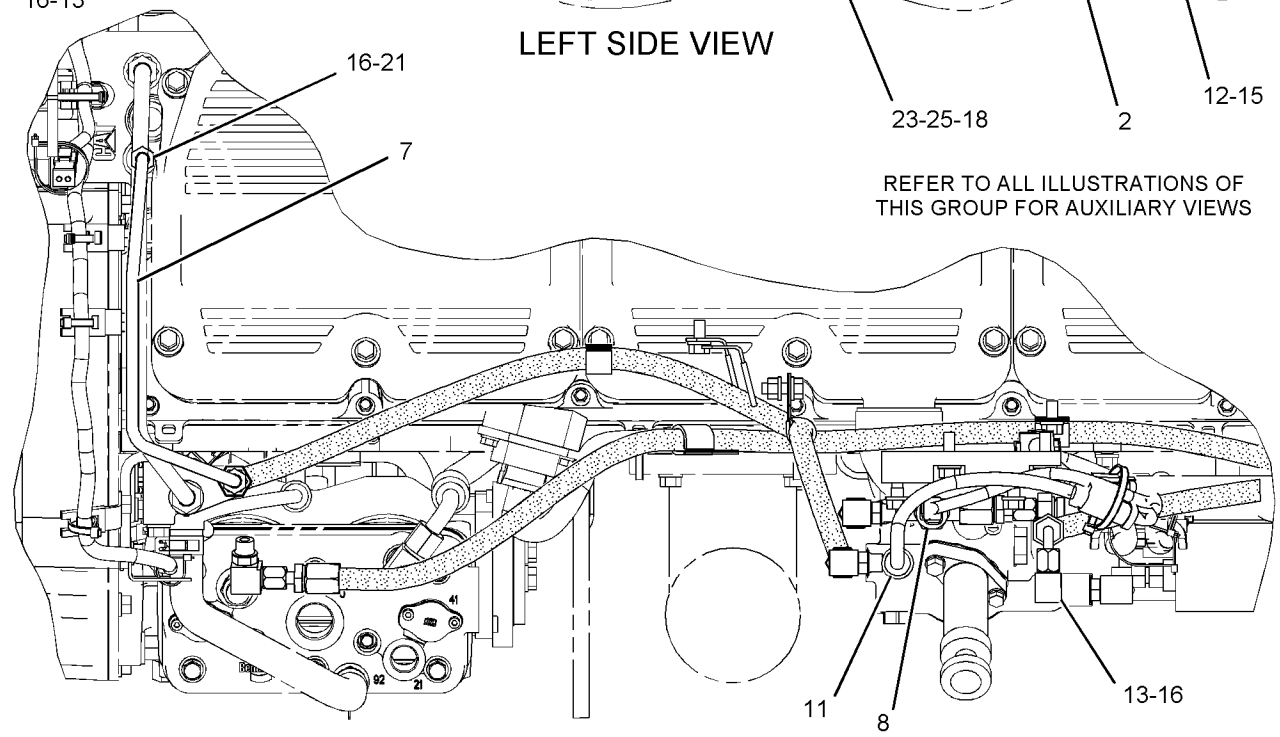


GRAPHIC #1 g01092095

255-0657 **LINES GP-FUEL FILTER** *(contd.)* **i02538720**



LEFT SIDE VIEW



REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

VIEW A-A

GRAPHIC #2 **<END>** g01091932

FUEL SYSTEM

255-0657 LINES GP-FUEL FILTER

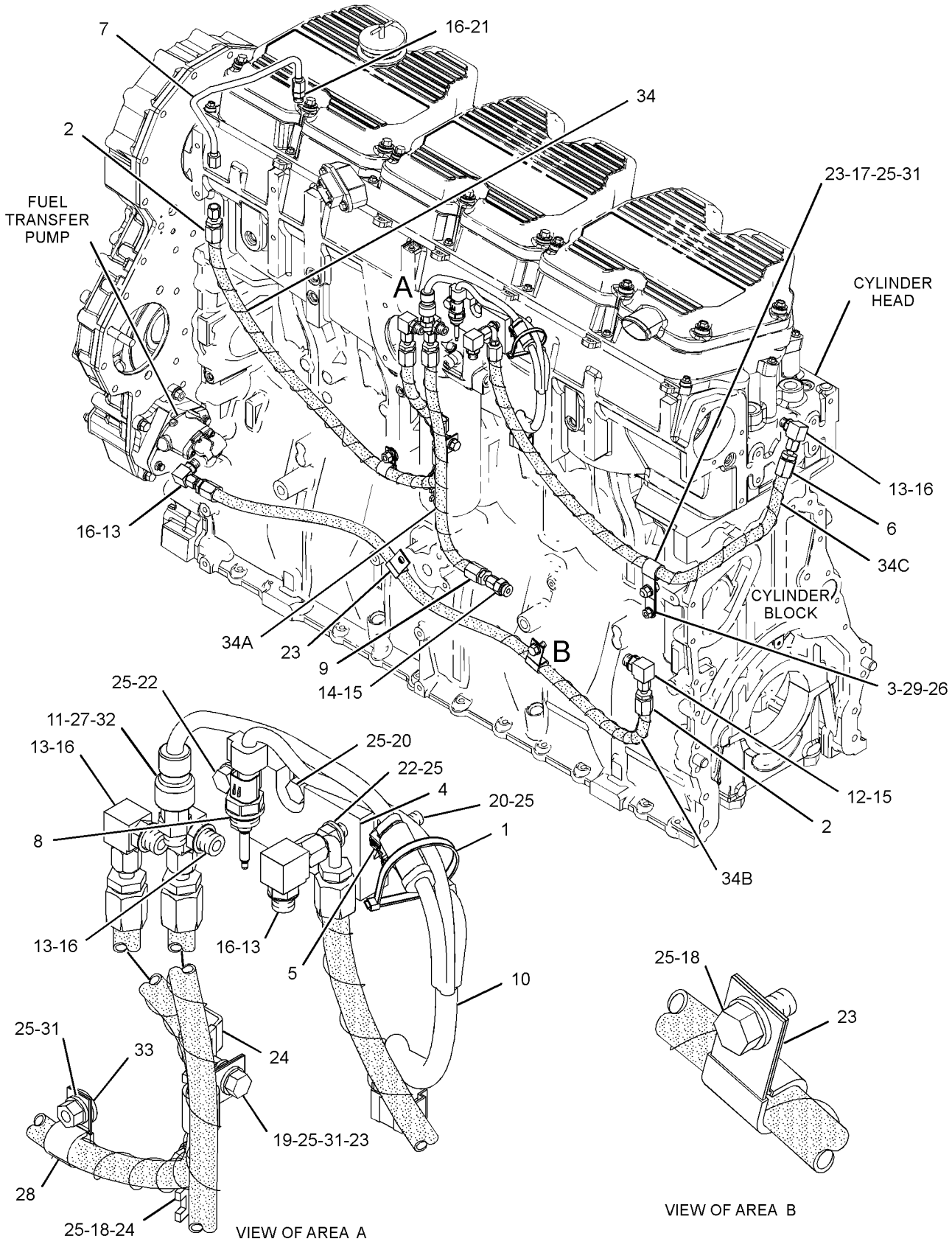
S/N: JRE829-UP
HIGH MOUNT
FOR USE WITH FUEL COOLED ECM, AIR COMPRESSOR GROUP, 247-5711—PAGE 284, PRIMING PUMP GROUP. CANNOT BE USED WITH INSTRUMENT PANEL GROUP AN ATTACHMENT

SMCS-1261, 1274 **i03626365**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
I	2	1	**9N-5613**	2	HOSE AS	
	3	1	**118-7809**	1	PLATE	
	4	1	**137-5110**	1	BRACKET	
C	5	1	*278-8844*	1	PLUG AS-CONNECTOR	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**264-7029**	1	SEAL-CONNECTOR	
I	6	1	**166-5919**	1	HOSE AS-FUEL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
CY	8	1	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
I	9	1	**256-2211**	1	HOSE AS	
C	10	1	**276-3091**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
Y	11	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	12	1	**005-4362**	1	ELBOW	
	13	1	**030-7947**	5	ELBOW	
	14	1	**030-8188**	1	CONNECTOR	
	15	1	**033-6028**	2	SEAL-O-RING	
	16	1	**033-6042**	6	SEAL-O-RING	
	17	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	18	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	19	1	**0S-1594**	1	BOLT (3/8-16X1-IN)	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**2R-6806**	1	CONNECTOR-O-RING	
	22	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	23	1	**336-8613**	4	CLIP	
	24	1	**4P-8134**	2	CLIP	
	25	1	**5M-2894**	11	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	26	1	**5S-0003**	1	NUT (5/16-18-THD)	
	27	1	**214-7568**	1	SEAL-O-RING	
	28	1	**8M-2773**	1	CLIP	
	29	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	31	1	**9S-8752**	3	NUT-FULL (3/8-16-THD)	
	32	1	**9X-0261**	1	ADAPTER	
	33	1	**9X-6458**	1	WASHER-HARD (10.2X22.5X3-MM THK)	
E	34	1	**8C-5064**		CONDUIT-FLEXIBLE (99.3-CM)	
E	34A	1	**8C-5064**		CONDUIT-FLEXIBLE (39-CM)	
E	34B	1	**8C-5064**		CONDUIT-FLEXIBLE (42-CM)	
E	34C	1	**8C-5064**		CONDUIT-FLEXIBLE (76-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

255-0657 **LINES GP-FUEL FILTER** *(contd.)* **i03626365**



GRAPHIC #1 **<END>** g01945414

FUEL SYSTEM

270-3935 LINES GP-FUEL FILTER

S/N: JRE1-828

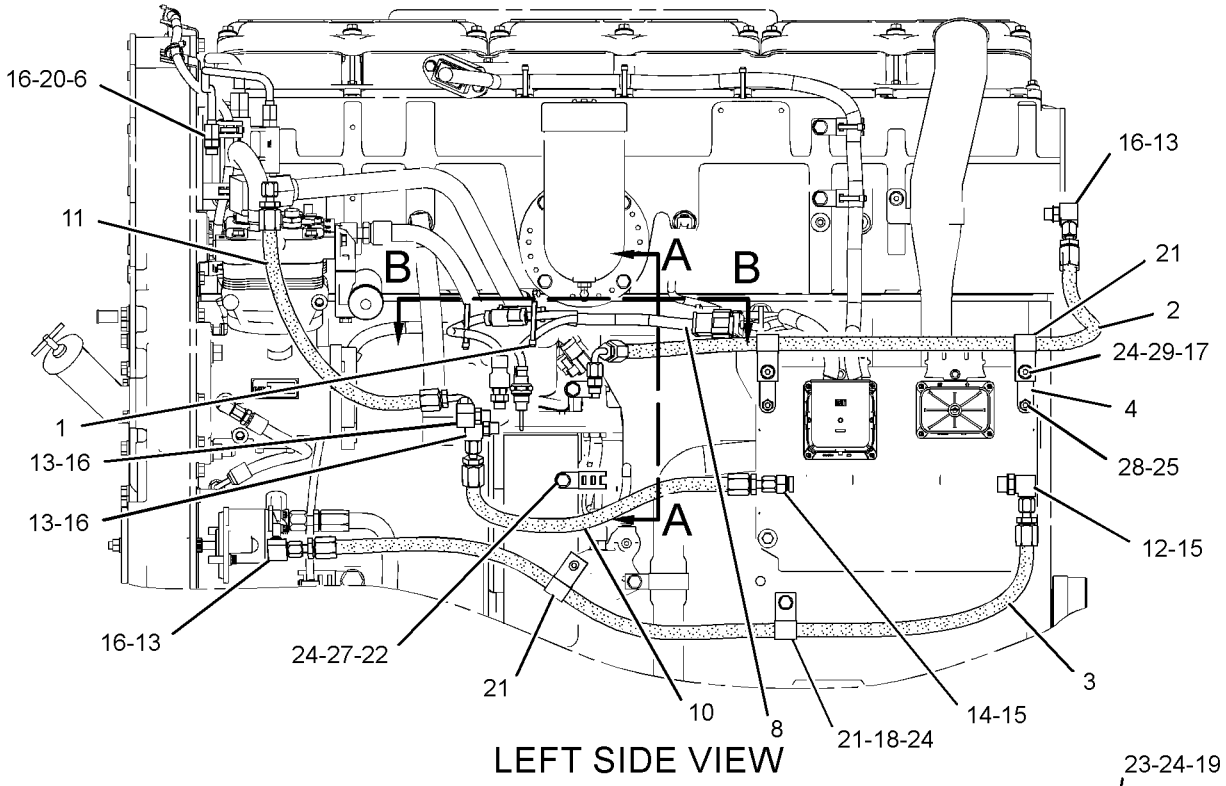
FOR USE WITH 270-8453—PAGE 275. CANNOT BE USED WITH AIR COOLED ECM AN ATTACHMENT

SMCS-1261, 1274 **i02538724**

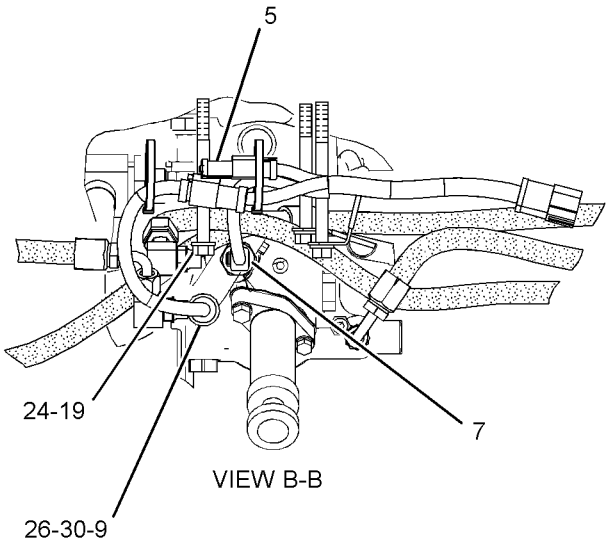
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
I	2	1	**4P-0902**	1	HOSE AS	
I	3	1	**9N-5613**	1	HOSE AS	
	4	1	**118-7809**	2	PLATE	
	5	1	**160-8124**	1	PLUG AS (2-PIN)	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	6	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
Y	7	1	*197-8391*	1	SENSOR GP-TEMPERATURE (INTAKE AIR MANIFOLD)	906
	8	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS & WEDGE)	
E		1	**114-8843**		SLEEVE-PLASTIC (60-CM)	
Y	9	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	10	1	**247-0486**	1	HOSE AS	
I	11	1	**249-0164**	1	HOSE AS	
	12	1	**005-4362**	1	ELBOW (90-DEG)	
	13	1	**030-7947**	4	ELBOW (90-DEG)	
	14	1	**030-8188**	1	CONNECTOR	
	15	1	**033-6028**	2	SEAL-O-RING	
	16	1	**033-6042**	6	SEAL-O-RING	
	17	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	18	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	19	1	**1A-5964**	2	BOLT (3/8-16X4.5-IN)	
	20	1	**2R-6806**	2	CONNECTOR-O-RING (9/16-18-THD)	
	21	1	**4D-7735**	4	CLIP	
	22	1	**4P-7581**	1	CLIP (LADDER)	
	23	1	**4P-8134**	1	CLIP (LADDER)	
	24	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	25	1	**5S-0003**	2	NUT (5/16-18-THD)	
	26	1	**6V-5049**	1	SEAL-O-RING	
	27	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	
	28	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	29	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	30	1	**9X-0261**	1	ADAPTER	

E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

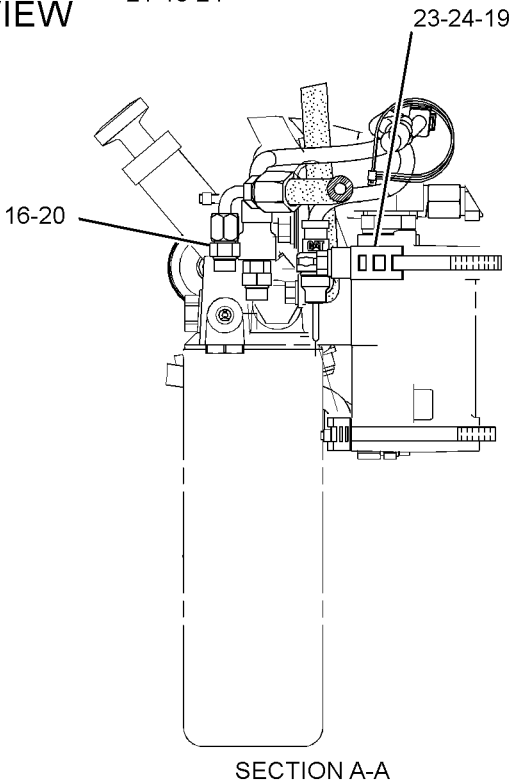
270-3935 **LINES GP-FUEL FILTER** *(contd.)* **i02538724**



LEFT SIDE VIEW



VIEW B-B



SECTION A-A

GRAPHIC #1 **<END>** g01175601

FUEL SYSTEM

270-3935 LINES GP-FUEL FILTER

S/N: JRE829-UP

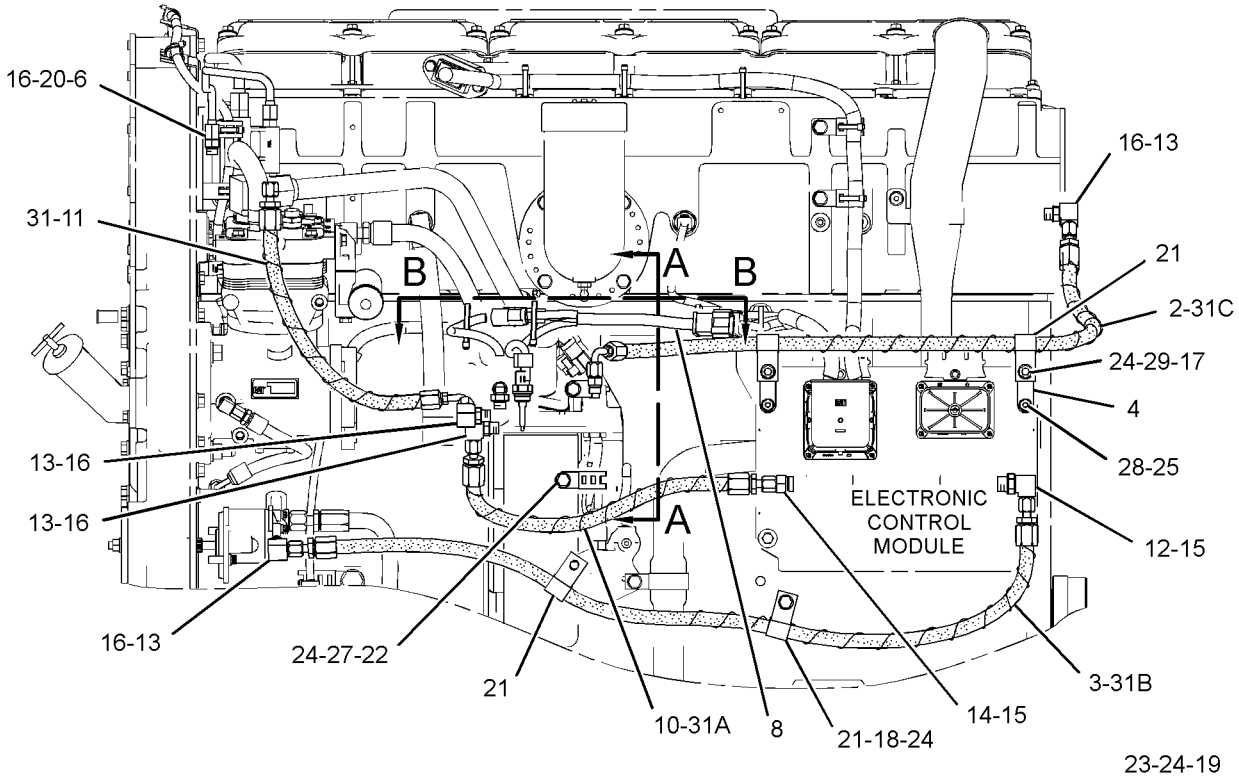
FOR USE WITH 270-8453—PAGE 275. CANNOT BE USED WITH AIR COOLED ECM AN ATTACHMENT

SMCS-1261, 1274 **i03626455**

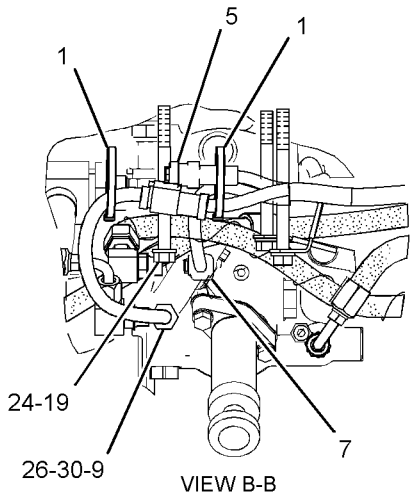
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
I	2	1	**4P-0902**	1	HOSE AS	
I	3	1	**9N-5613**	1	HOSE AS	
	4	1	**118-7809**	2	PLATE	
C	5	1	*278-8844*	1	PLUG AS-CONNECTOR	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
	6	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
CY	7	1	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
C	8	1	**276-3091**	1	HARNESS AS-SENSOR (JUMPER)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
Y	9	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	10	1	**247-0486**	1	HOSE AS	
I	11	1	**249-0164**	1	HOSE AS	
	12	1	**005-4362**	1	ELBOW (90-DEG)	
	13	1	**030-7947**	4	ELBOW (90-DEG)	
	14	1	**030-8188**	1	CONNECTOR	
	15	1	**033-6028**	2	SEAL-O-RING	
	16	1	**033-6042**	6	SEAL-O-RING	
	17	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	18	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	19	1	**1A-5964**	2	BOLT (3/8-16X4.5-IN)	
	20	1	**2R-6806**	2	CONNECTOR-O-RING (9/16-18-THD)	
	21	1	**336-8613**	4	CLIP	
	22	1	**4P-7581**	1	CLIP	
	23	1	**4P-8134**	1	CLIP	
	24	1	**5M-2894**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	25	1	**5S-0003**	2	NUT (5/16-18-THD)	
	26	1	**6V-5049**	1	SEAL-O-RING	
	27	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	
	28	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	29	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	30	1	**9X-0261**	1	ADAPTER	
E	31	1	**8C-5064**		CONDUIT-FLEXIBLE (32.9-CM)	
E	31A	1	**8C-5064**		CONDUIT-FLEXIBLE (37.4-CM)	
E	31B	1	**8C-5064**		CONDUIT-FLEXIBLE (42.8-CM)	
E	31C	1	**8C-5064**		CONDUIT-FLEXIBLE (58.6-CM)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

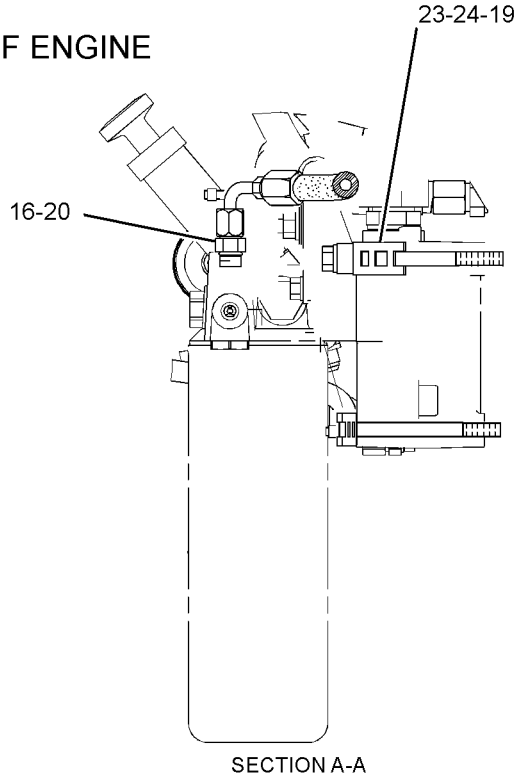
270-3935 **LINES GP-FUEL FILTER** *(contd.)* **i03626455**



LEFT SIDE VIEW OF ENGINE



VIEW B-B



SECTION A-A

GRAPHIC #1 **<END>** g01947697

FUEL SYSTEM

271-4489 LINES GP-FUEL FILTER

S/N: JRE1-828

FOR USE WITH 270-8453—PAGE 275, FUEL COOLED ECM. CANNOT BE USED WITH AIR COOLED ECM

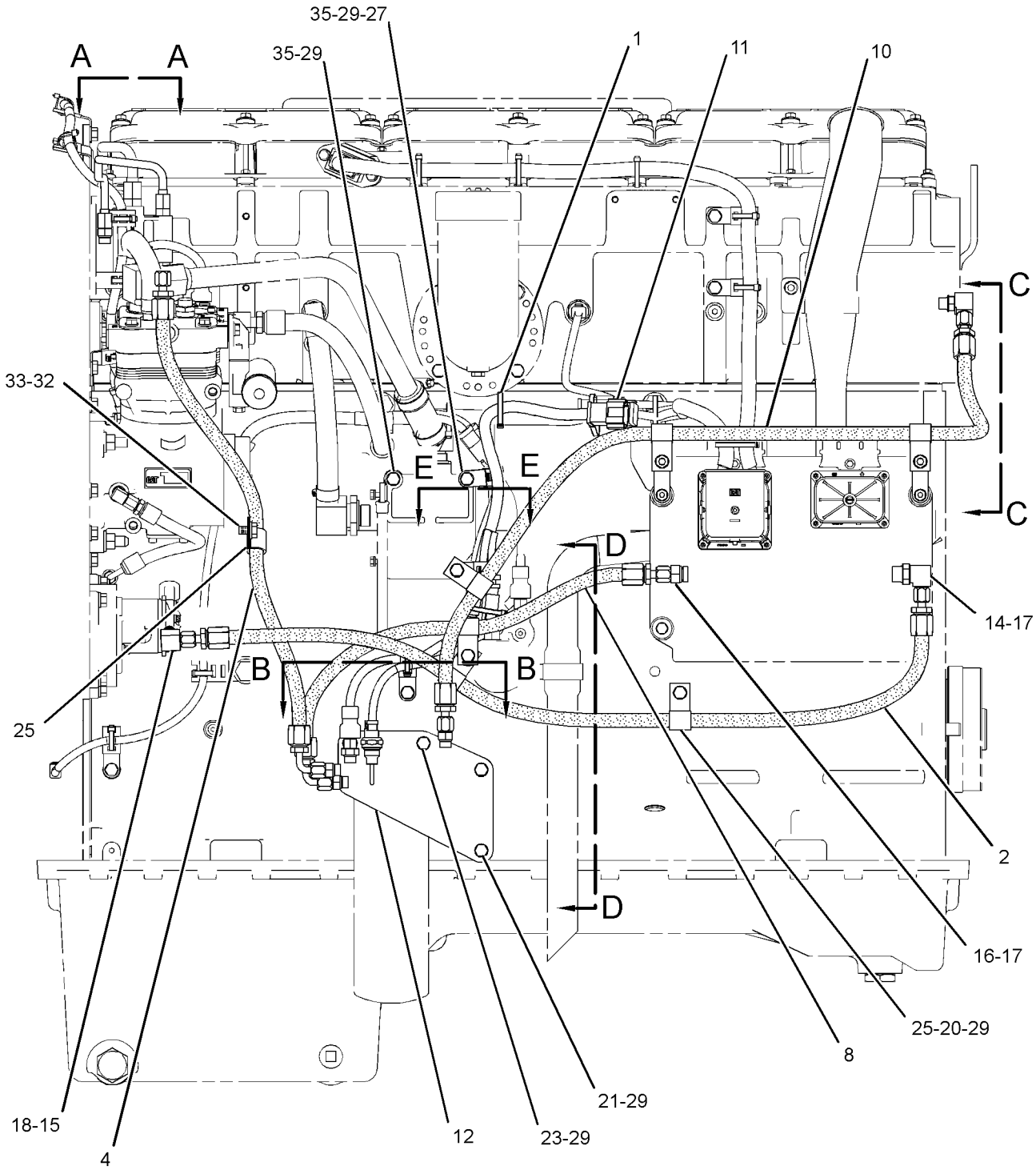
AN ATTACHMENT

SMCS-1261, 1274 **i03642281**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**3S-2093**	3	STRAP-CABLE	
I	2	1	**9N-5613**	1	HOSE AS	
	3	2	**118-7809**	2	PLATE	
I	4	1	**132-4484**	1	HOSE AS	
	5	2	**160-8124**	1	PLUG AS (2-PIN)	
		2	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS. & WEDGE)	
		2	**8T-8737**	2	PLUG-SEAL	
	6	2	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
	7	2	**172-4211**	1	SPACER (10.5X22X50.8-MM THK)	
I	8	1	**194-0431**	1	HOSE AS	
Y	9	2	*197-8391*	1	SENSOR GP-TEMPERATURE (INTAKE AIR MANIFOLD)	906
I	10	1	**203-2075**	1	HOSE AS	
	11	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES A RECEPTACLE AS. & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES A RECEPTACLE AS. & WEDGE)	
E		1	**114-8843**		SLEEVE-PLASTIC (60-CM)	
		1	**155-2270**	1	KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS. & WEDGE)	
	12	1	**232-0768**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**154-2302**	2	SPACER (11X20X15-MM THK)	
Y	13	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	14	1	**005-4362**	1	ELBOW (90-DEG)	
	15	1	**030-7947**	2	ELBOW (90-DEG)	
	16	1	**030-8188**	1	CONNECTOR	
	17	1	**033-6028**	2	SEAL-O-RING	
	18	1,2	**033-6042**	6	SEAL-O-RING	
	19	2	**0L-1351**	3	BOLT (3/8-16X0.875-IN)	
	20	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	21	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	22	2	**0T-0065**	1	BOLT (3/8-16X3.5-IN)	
	23	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	24	2	**2R-6806**	4	CONNECTOR-O-RING (9/16-18-THD)	
	25	1,2	**4D-7735**	7	CLIP	
	26	2	**4P-7581**	2	CLIP (LADDER)	
	27	1	**4P-8134**	1	CLIP (LADDER)	
	28	2	**5G-9603**	1	SPACER (11.03X26.6X50-MM THK)	
	29	1,2	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	30	2	**5S-0003**	2	NUT (5/16-18-THD)	
	31	2	**6V-5049**	1	SEAL-O-RING	
	32	1	**6V-5839**	1	WASHER (11X21X2.5-MM THK)	
M	33	1	**6V-8212**	1	BOLT (M10X1.5X16-MM)	
	34	2	**8F-8544**	1	BOLT (3/8-16X6.25-IN)	
	35	1	**8S-9191**	2	BOLT (3/8-16X4-IN)	
	36	2	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	37	2	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	38	2	**9X-0261**	1	ADAPTER	

E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
M-METRIC PART
Y-SEPARATE ILLUSTRATION

271-4489 **LINES GP-FUEL FILTER** *(contd.)* **i03642281**



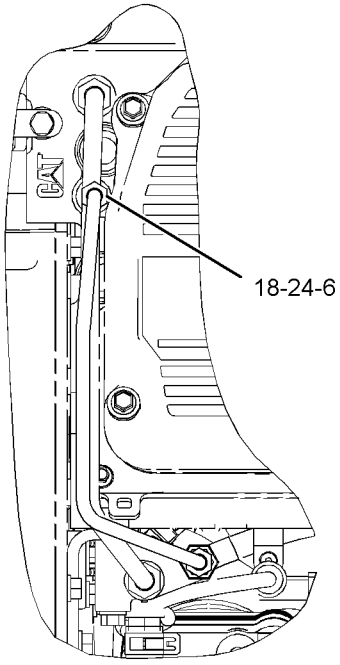
LEFT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

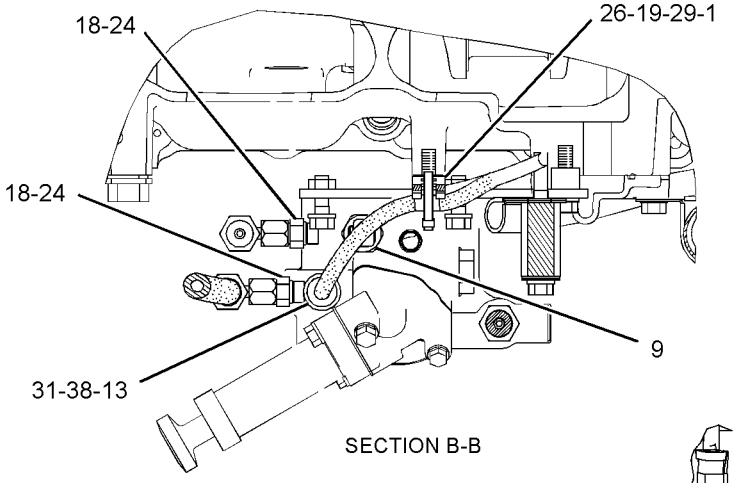
GRAPHIC #1

g01175508

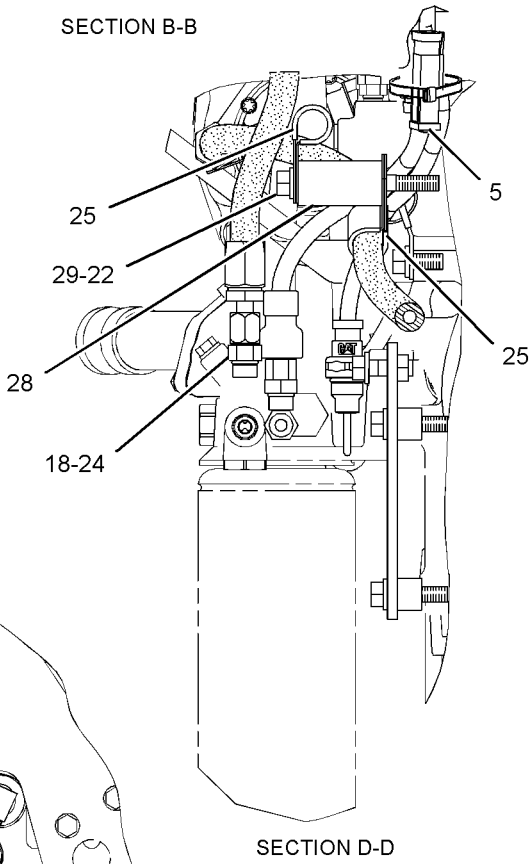
271-4489 **LINES GP-FUEL FILTER** *(contd.)* **i03642281**



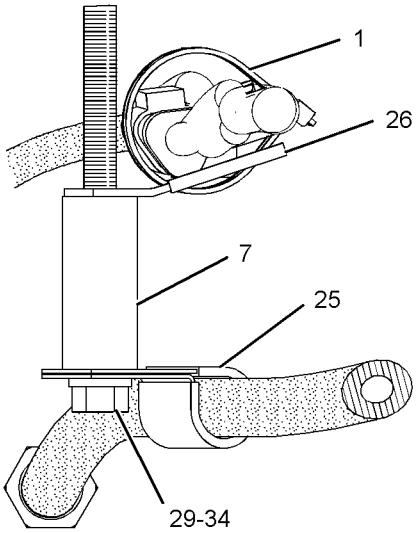
VIEW A-A



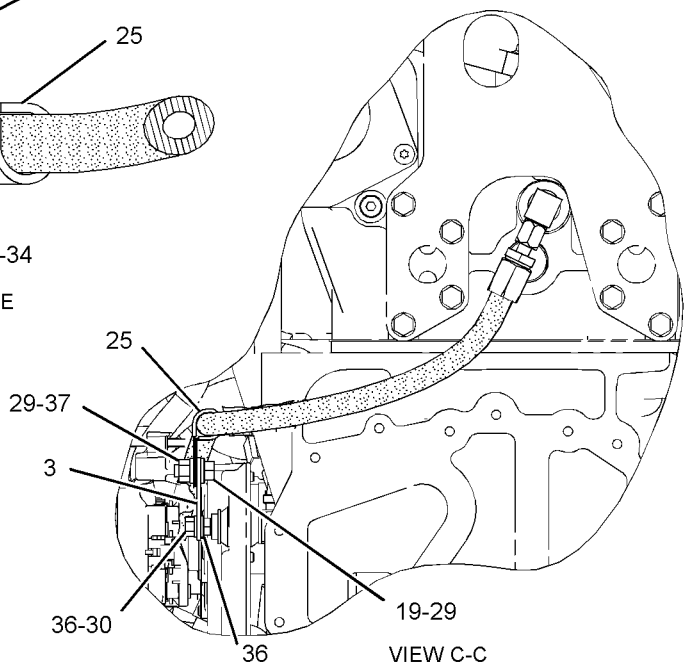
SECTION B-B



SECTION D-D



SECTION E-E



VIEW C-C

GRAPHIC #2

<END>

g01175510

FUEL SYSTEM

271-4489 LINES GP-FUEL FILTER

S/N: JRE829-UP

FOR USE WITH 270-8453—PAGE 275, FUEL COOLED ECM. CANNOT BE USED WITH AIR COOLED ECM

AN ATTACHMENT

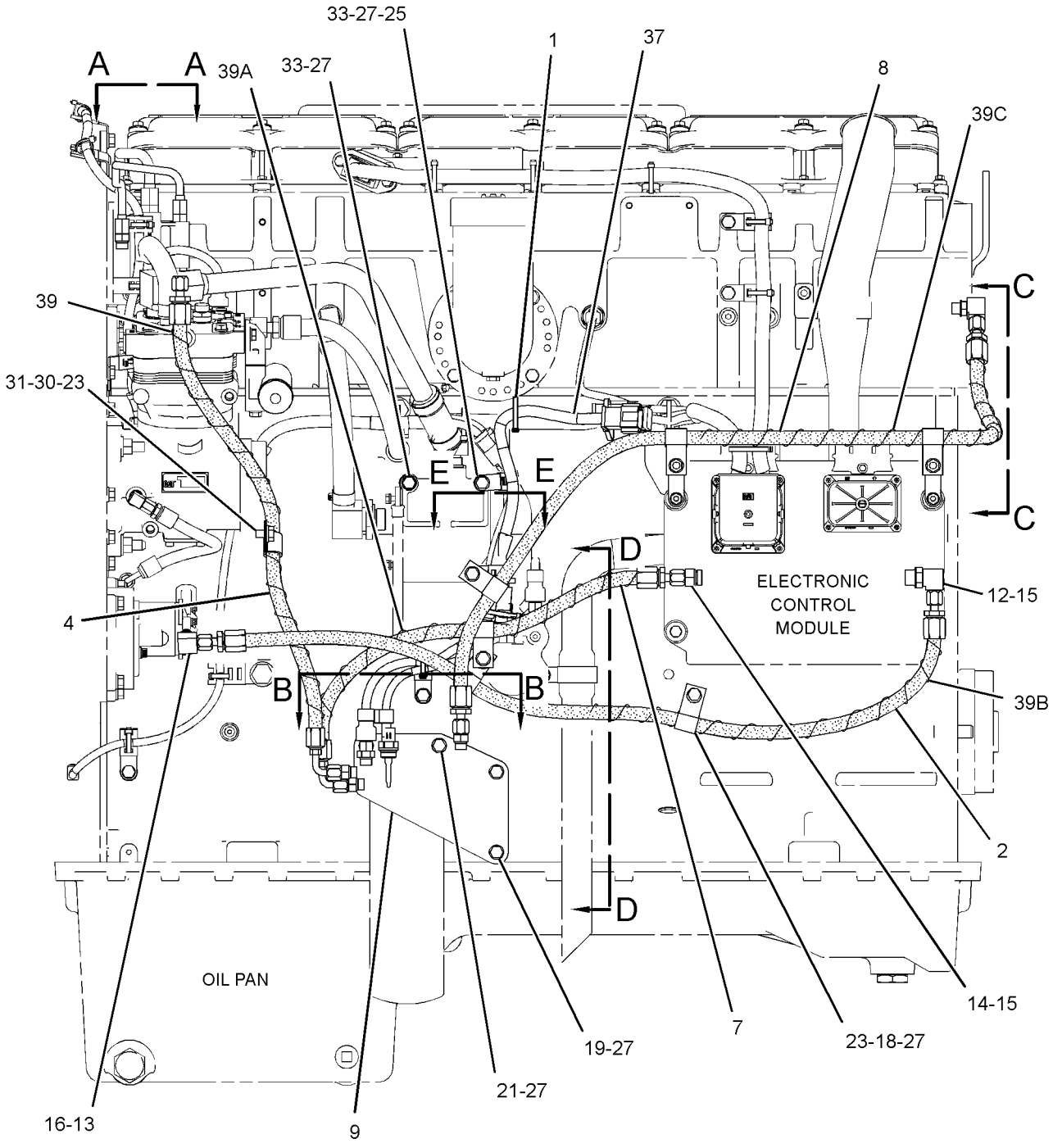
SMCS-1261, 1274 **i03642283**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**3S-2093**	3	STRAP-CABLE	
I	2	1	**9N-5613**	1	HOSE AS	
	3	2	**118-7809**	2	PLATE	
I	4	1	**132-4484**	1	HOSE AS	
	5	2	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
	6	2	**172-4211**	1	SPACER (10.5X22X50.8-MM THK)	
I	7	1	**194-0431**	1	HOSE AS	
I	8	1	**203-2075**	1	HOSE AS	
	9	1	**232-0768**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**154-2302**	2	SPACER (11X20X15-MM THK)	
CY	10	2	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
Y	11	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	12	1	**005-4362**	1	ELBOW (90-DEG)	
	13	1,2	**030-7947**	2	ELBOW	
	14	1	**030-8188**	1	CONNECTOR	
	15	1	**033-6028**	2	SEAL-O-RING	
	16	1,2	**033-6042**	6	SEAL-O-RING	
	17	2	**0L-1351**	3	BOLT (3/8-16X0.875-IN)	
	18	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	
	19	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	20	2	**0T-0065**	1	BOLT (3/8-16X3.5-IN)	
	21	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	22	2	**2R-6806**	4	CONNECTOR-O-RING (9/16-18-THD)	
	23	1,2	**336-8613**	7	CLIP	
	24	2	**4P-7581**	2	CLIP (LADDER)	
	25	1	**4P-8134**	1	CLIP (LADDER)	
	26	2	**5G-9603**	1	SPACER (11.03X26.6X50-MM THK)	
	27	1,2	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	28	2	**5S-0003**	2	NUT (5/16-18-THD)	
	29	2	**6V-5049**	1	SEAL-O-RING	
	30	1	**6V-5839**	1	WASHER (11X21X2.5-MM THK)	
M	31	1	**6V-8212**	1	BOLT (M10X1.5X16-MM)	
	32	2	**8F-8544**	1	BOLT (3/8-16X6.25-IN)	
	33	1	**8S-9191**	2	BOLT (3/8-16X4-IN)	
	34	2	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	35	2	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	36	2	**9X-0261**	1	ADAPTER	
C	37	1	**276-3091**	1	HARNESS AS-SENSOR (JUMPER)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES A RECEPTACLE AS. & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES A RECEPTACLE AS. & WEDGE)	
E		1	**114-8843**		SLEEVE-PLASTIC (60-CM)	
C	38	2	*278-8844*	1	PLUG AS-CONNECTOR	
		2	**8T-8737**	2	PLUG-SEAL	
		2	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
E	39	1	**8C-5064**		CONDUIT-FLEXIBLE (56.6-CM)	
E	39A	1	**8C-5064**		CONDUIT-FLEXIBLE (49-CM)	
E	39B	1	**8C-5064**		CONDUIT-FLEXIBLE (51.4-CM)	
E	39C	1	**8C-5064**		CONDUIT-FLEXIBLE (58.9-CM)	

271-4489 **LINES GP-FUEL FILTER** *(contd.)* **i03642283**

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
M-METRIC PART
Y-SEPARATE ILLUSTRATION

271-4489 **LINES GP-FUEL FILTER** *(contd.)* **i03642283**

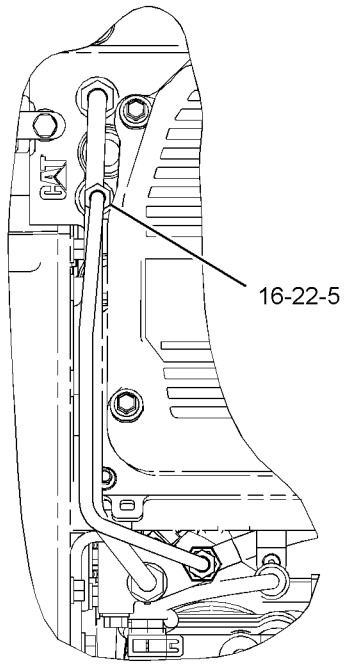


LEFT SIDE VIEW OF ENGINE

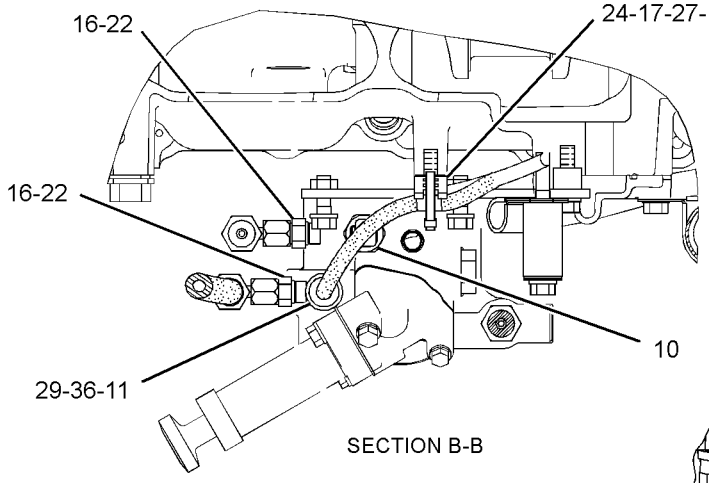
REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

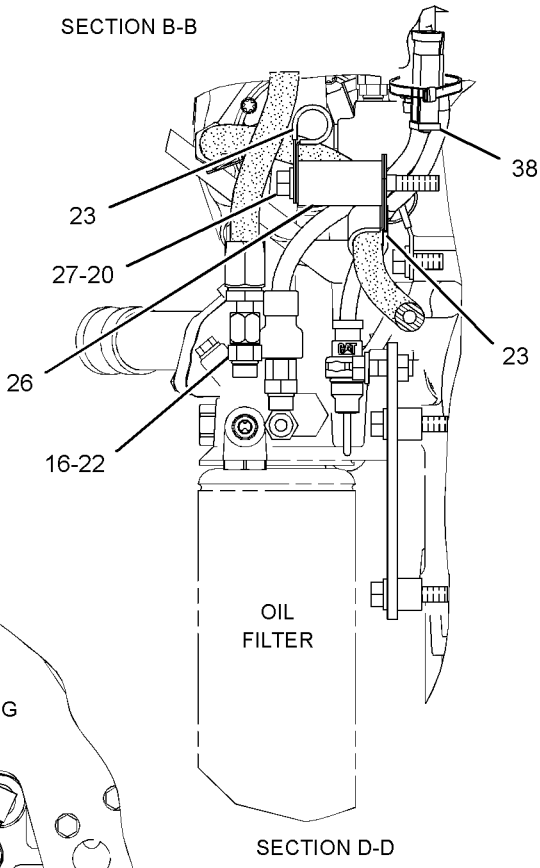
g01947656



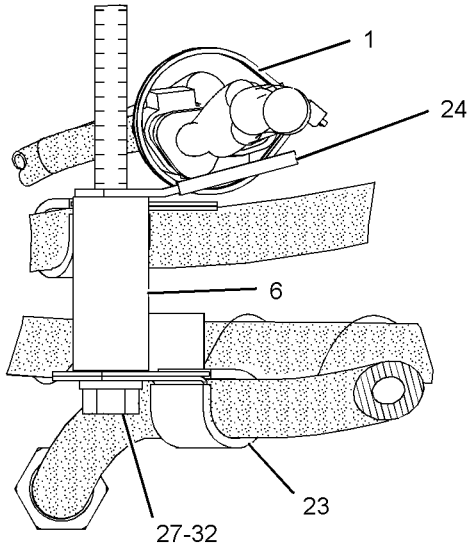
VIEW A-A



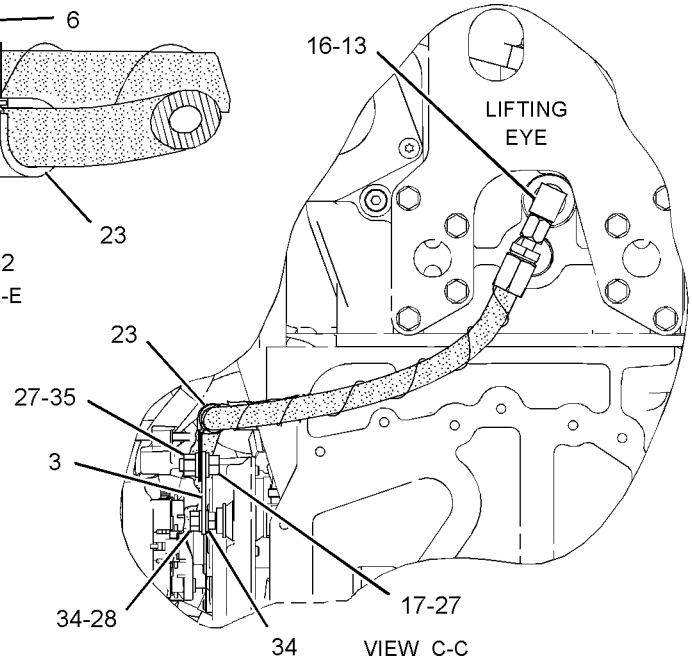
SECTION B-B



SECTION D-D



SECTION E-E



VIEW C-C

GRAPHIC #2

<END>

g01947657

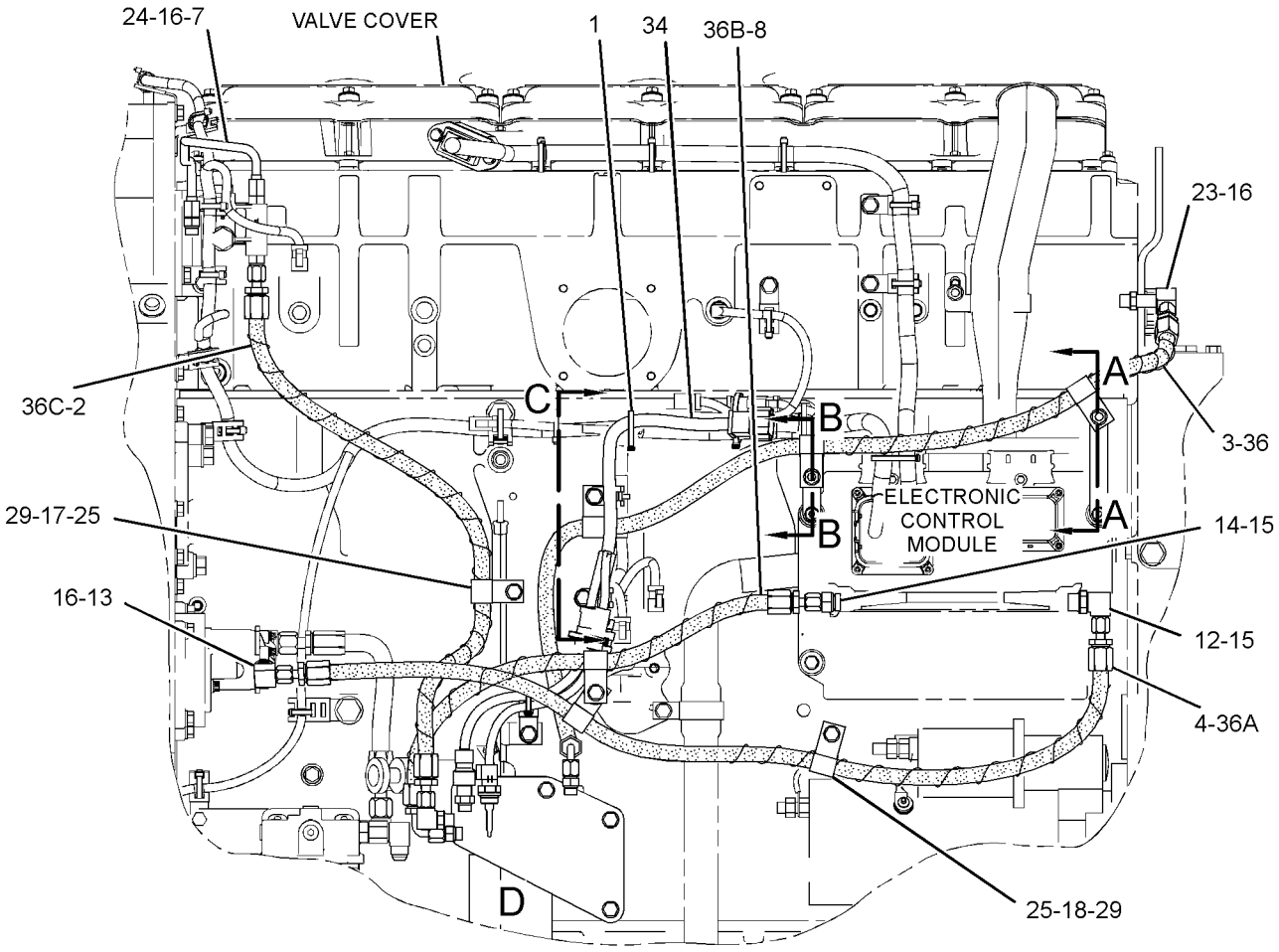
324-0671 LINES GP-FUEL FILTER—LOW MOUNT

FOR USE WITH RPTO FLYWHEEL HOUSING. CANNOT BE USED WITH AIR CHAMBER AN ATTACHMENT

SMCS-1261, 1274 **i03642286**

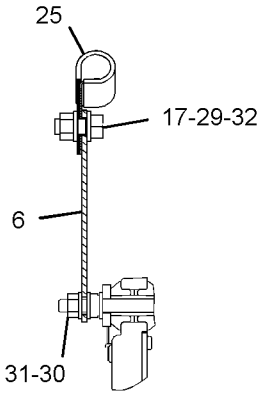
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1,2	**3S-2093**	3	STRAP-CABLE	
I	2	1	**4W-6841**	1	HOSE AS	
I	3	1	**7W-8857**	1	HOSE AS	
I	4	1	**9N-5613**	1	HOSE AS	
	5	1	**118-7809**	1	PLATE	
	6	1	**124-0178**	1	PLATE	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
I	8	1	**194-0431**	1	HOSE AS	
	9	2	**232-0768**	1	BRACKET AS	
		2	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		2	**154-2302**	2	SPACER (11X20X15-MM THK)	
Y	10	2	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
Y	11	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
	12	1	**005-4362**	1	ELBOW	
	13	1,2	**030-7947**	2	ELBOW	
	14	1	**030-8188**	1	CONNECTOR	
	15	1	**033-6028**	2	SEAL-O-RING	
	16	1,2	**033-6042**	6	SEAL-O-RING	
	17	1,2	**0L-1351**	5	BOLT (3/8-16X0.875-IN)	
	18	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	19	2	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	20	2	**0T-0065**	1	BOLT (3/8-16X3.5-IN)	
	21	2	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	22	2	**214-7568**	1	SEAL-O-RING	
	23	1	**2P-7214**	1	ELBOW	
	24	1,2	**2R-6806**	3	CONNECTOR-O-RING	
	25	1,2	**4D-7735**	7	CLIP	
	26	2	**4P-7581**	1	CLIP	
	27	1	**4P-8134**	2	CLIP	
	28	2	**5G-9603**	1	SPACER (11.03X26.6X50-MM THK)	
	29	1,2	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	30	1	**5S-0003**	2	NUT (5/16-18-THD)	
	31	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	32	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	33	2	**9X-0261**	1	ADAPTER	
	34	1	**276-3091**	1	HARNESS AS-SENSOR (FUEL)	
E		1	**114-8843**		SLEEVE-PLASTIC (60-CM)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
		1	**102-8803**		KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS. & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
	35	1	*278-8844*	1	PLUG AS-CONNECTOR	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**264-7029**	1	SEAL-CONNECTOR	
E	36	1	**8C-5064**		CONDUIT-FLEXIBLE (54.9-CM)	
E	36A	1	**8C-5064**		CONDUIT-FLEXIBLE (51.5-CM)	
E	36B	1	**8C-5064**		CONDUIT-FLEXIBLE (49-CM)	
E	36C	1	**8C-5064**		CONDUIT-FLEXIBLE (73.2-CM)	

E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

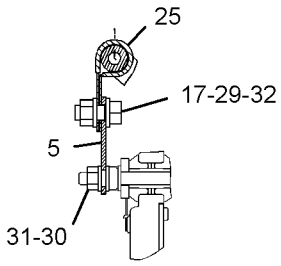


LEFT SIDE VIEW OF ENGINE

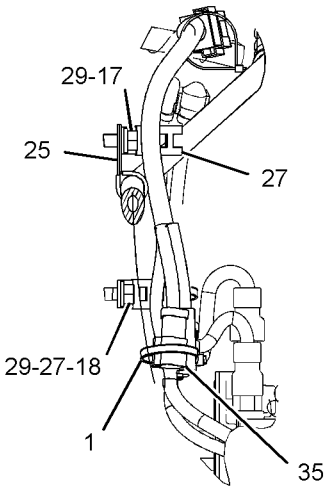
REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS



SECTION A-A



SECTION B-B

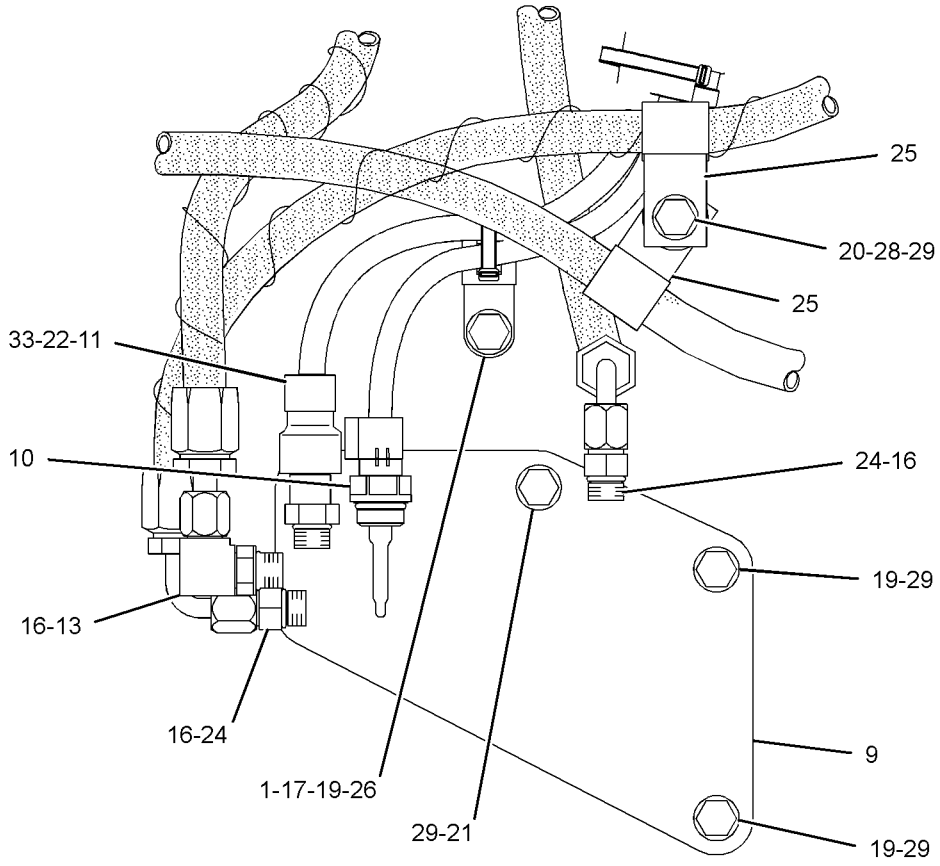


SECTION C-C

GRAPHIC #1

g01483594

324-0671 **LINES GP-FUEL FILTER** *(contd.)* **i03642286**



VIEW OF AREA D

GRAPHIC #2 **<END>** g01483554

324-0672 LINES GP-FUEL FILTER—HIGH MOUNT

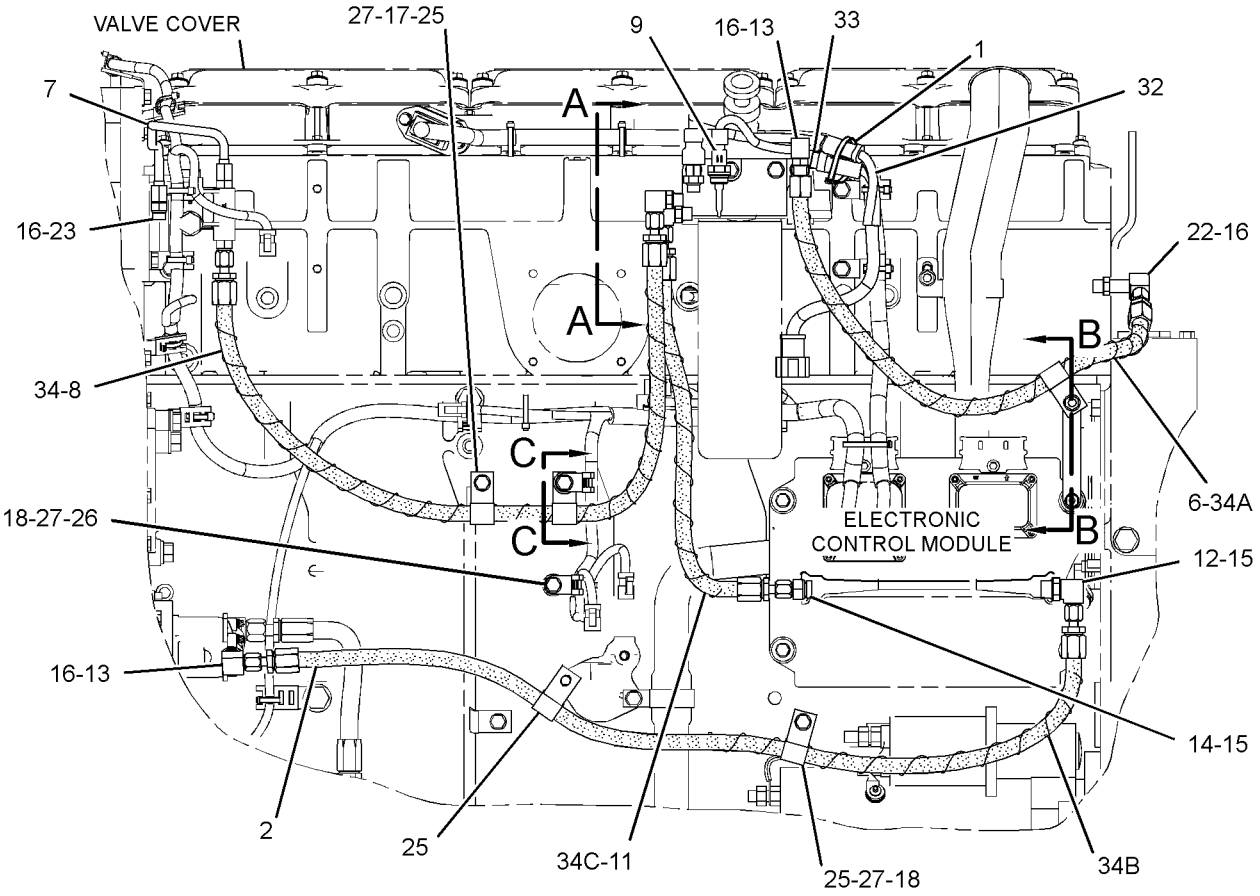
FOR USE WITH RPTO AND PUMP GP-FUEL PRIMING. CANNOT BE USED WITH INSTRUMENT PANEL GP, AIR CHAMBER, 232-0771—PAGE 439 AN ATTACHMENT

SMCS-1261, 1274 **i03642292**

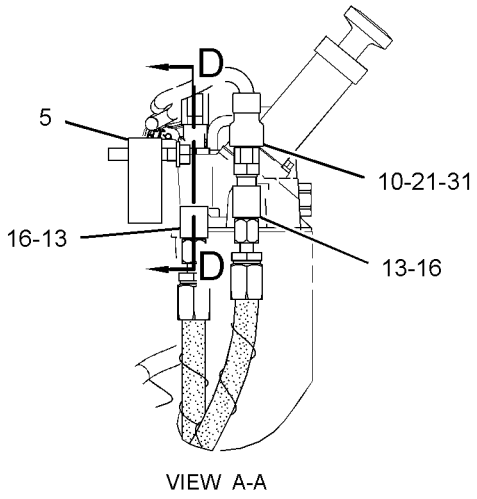
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
I	2	1	**9N-5613**	1	HOSE AS	
	3	1	**101-3120**	1	SPACER (10.5X25X20-MM THK)	
	4	1	**124-0178**	1	PLATE	
	5	1	**137-5110**	1	BRACKET	
I	6	1	**166-5919**	1	HOSE AS-FUEL	
	7	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
I	8	1	**172-3446**	1	HOSE AS	
Y	9	1	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
Y	10	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
I	11	1	**256-2211**	1	HOSE AS	
	12	1	**005-4362**	1	ELBOW	
	13	1	**030-7947**	4	ELBOW	
	14	1	**030-8188**	1	CONNECTOR	
	15	1	**033-6028**	2	SEAL-O-RING	
	16	1	**033-6042**	6	SEAL-O-RING	
	17	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	18	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	19	1	**0S-1571**	1	BOLT (3/8-16X1.75-IN)	
	20	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
	21	1	**214-7568**	1	SEAL-O-RING	
	22	1	**2P-7214**	1	ELBOW	
	23	1	**2R-6806**	1	CONNECTOR-O-RING	
	24	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	25	1	**336-8613**	5	CLIP	
	26	1	**4P-8134**	2	CLIP	
	27	1	**5M-2894**	10	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	28	1	**5S-0003**	1	NUT (5/16-18-THD)	
	29	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	30	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	31	1	**9X-0261**	1	ADAPTER	
	32	1	**276-3091**	1	HARNESS AS-SENSOR (FUEL)	
E		1	**102-8806**		KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**114-8843**		SLEEVE-PLASTIC (60-CM)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
	33	1	*278-8844*	1	PLUG AS-CONNECTOR	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
		1	**264-7029**	1	SEAL-CONNECTOR	
E	34	1	**8C-5064**		CONDUIT-FLEXIBLE (91.1-CM)	
E	34A	1	**8C-5064**		CONDUIT-FLEXIBLE (75.1-CM)	
E	34B	1	**8C-5064**		CONDUIT-FLEXIBLE (50.9-CM)	
E	34C	1	**8C-5064**		CONDUIT-FLEXIBLE (38.6-CM)	

E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

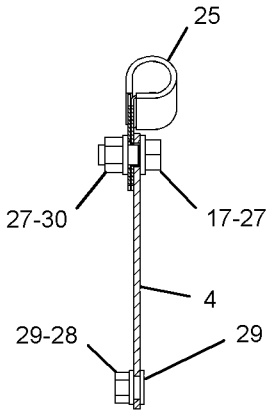
324-0672 **LINES GP-FUEL FILTER** *(contd.)* **i03642292**



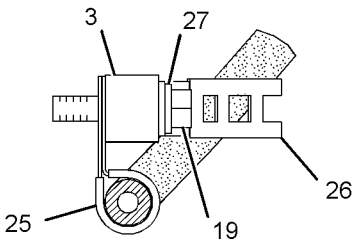
LEFT SIDE VIEW OF ENGINE



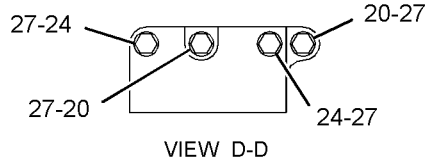
VIEW A-A



SECTION B-B



SECTION C-C



VIEW D-D

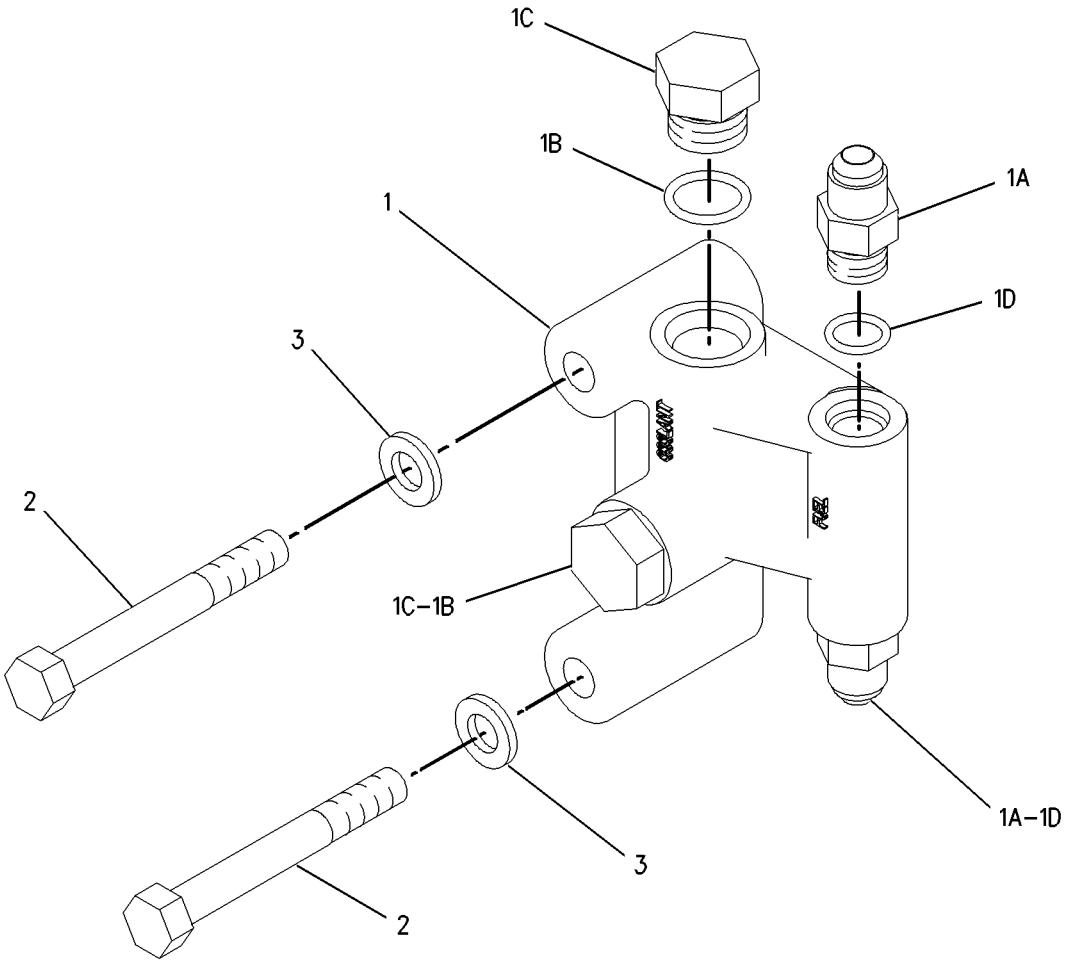
GRAPHIC #1 **<END>** g01481331

191-0583 MANIFOLD GP-FUEL

CANNOT BE USED WITH AIR COMPRESSORS
AN ATTACHMENT

SMCS-1274, 1380 **i03688470**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**191-0580**	1	MANIFOLD AS	
	1A	1	**2R-6806**	2	CONNECTOR-O-RING	
	1B	1	**3K-0360**	2	SEAL-O-RING	
	1C	1	**9S-4185**	2	PLUG-O-RING	
	1D	1	**033-6042**	2	SEAL-O-RING	
	2	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



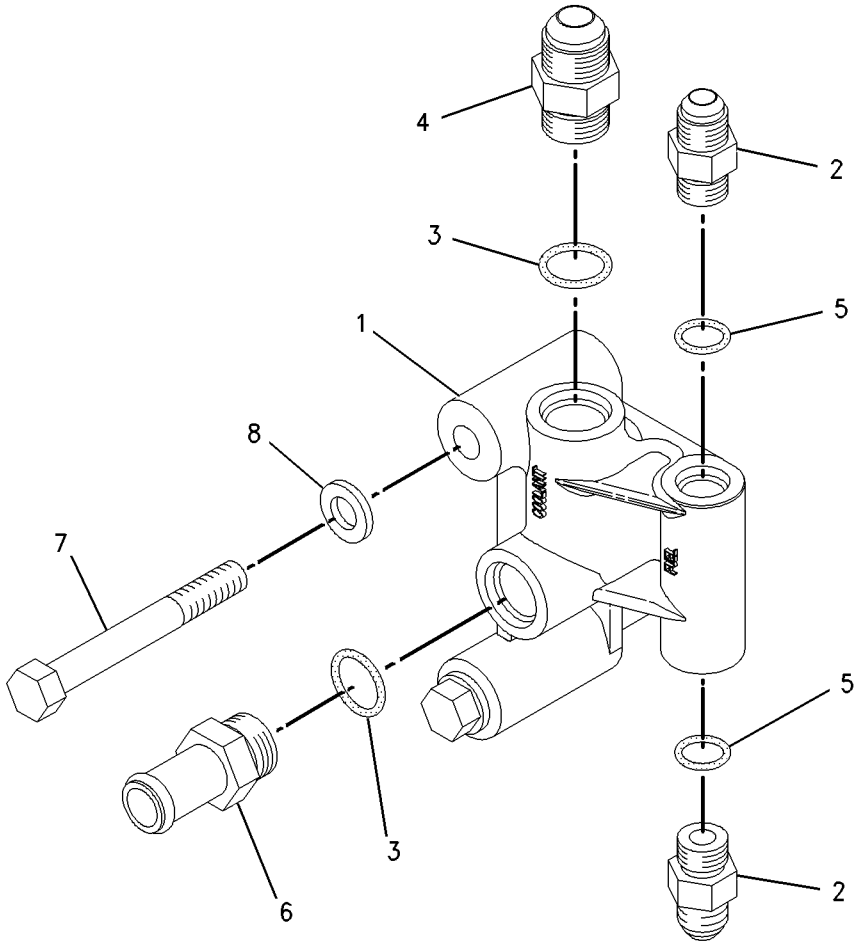
GRAPHIC #1 **<END>** g00735183

192-3219 MANIFOLD GP-FUEL

REQUIRES AIR COMPRESSOR
AN ATTACHMENT

SMCS-1274, 1380 **i01391380**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**168-6990**	1	MANIFOLD AS	
	2	1	**2R-6806**	2	CONNECTOR-O-RING	
	3	1	**6V-6609**	2	SEAL-O-RING	
	4	1	**8M-0505**	1	CONNECTOR	
	5	1	**033-6042**	2	SEAL-O-RING	
	6	1	**168-8806**	1	CONNECTOR	
	7	1	**0S-1619**	2	BOLT (3/8-16X3-IN)	
	8	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g00742401

150-4279 PUMP & MTG GP-FUEL TRANSFER–REAR

S/N: JRE1-2165

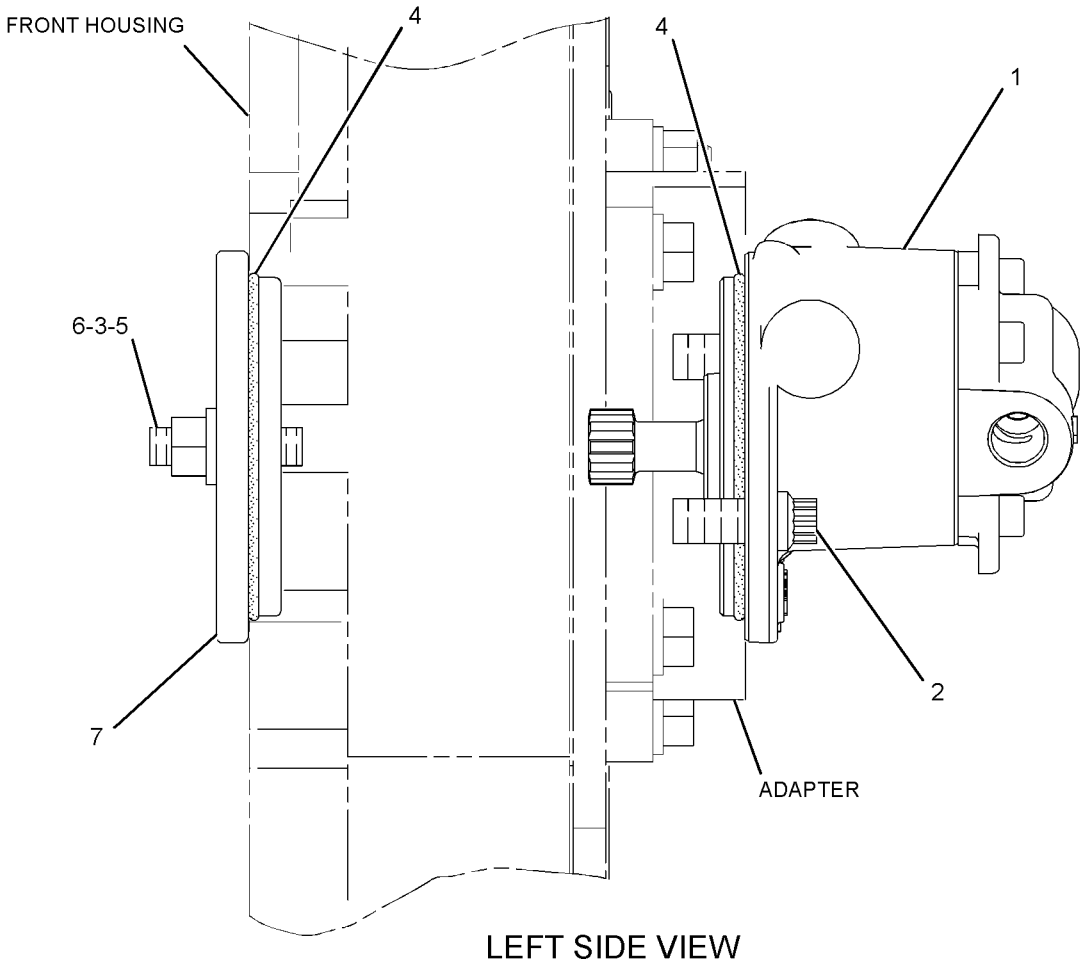
ALLOWS USE OF FRONT MOUNTED PUMP EXCEPT WHEN LH MOUNTING GP-ALTERNATOR IS PROVIDED

AN ATTACHMENT

SMCS-1256 **i02510710**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**231-3947**	1	PUMP GP-FUEL TRANSFER	
	2	1	**1T-0765**	2	BOLT (3/8-16X1-IN)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**107-5769**	2	SEAL-O-RING	
	5	1	**0S-0699**	2	STUD	
	6	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
	7	1	**133-9116**	1	COVER	

C-CHANGE FROM PREVIOUS TYPE



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01262029

150-4279 PUMP & MTG GP-FUEL TRANSFER–REAR

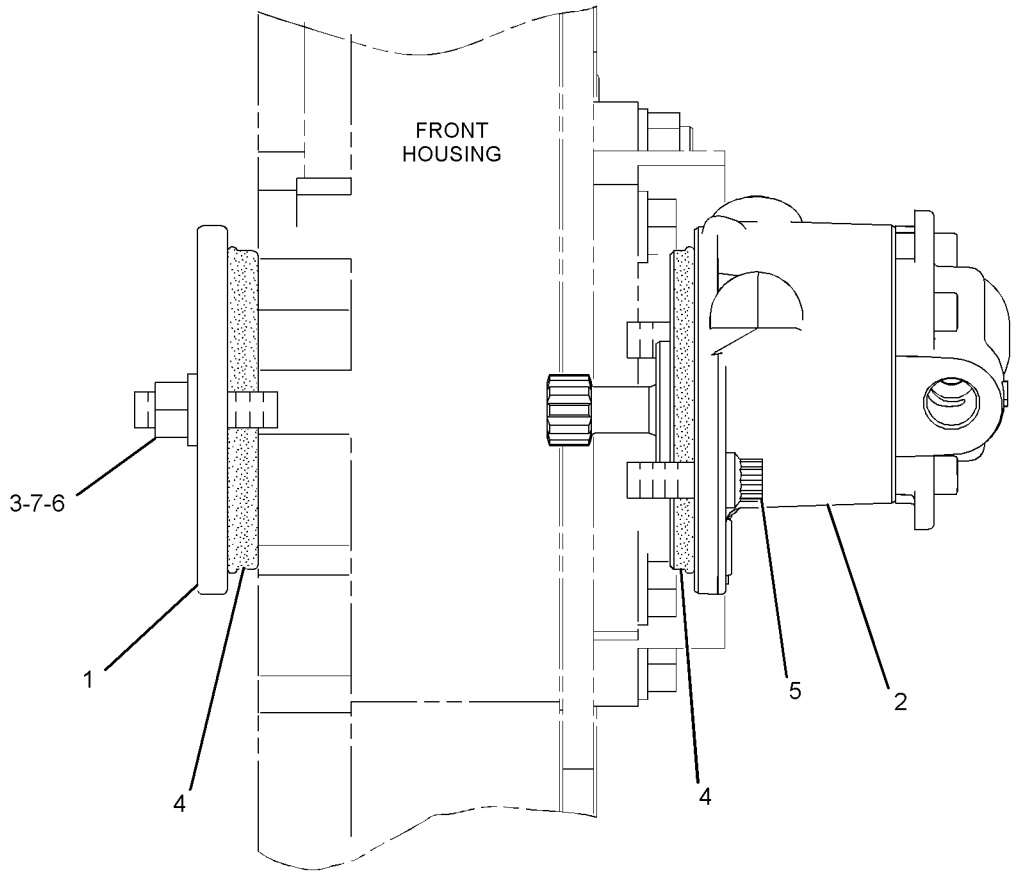
ALLOWS USE OF FRONT MOUNTED PUMP EXCEPT WHEN LH MOUNTING GP-ALTERNATOR IS PROVIDED

AN ATTACHMENT

SMCS-1256 **i03644431**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**133-9116**	1	COVER	
CJR	2	1	**316-6864**	1	PUMP GP-FUEL TRANSFER	
	3	1	**0S-0699**	2	STUD	
	4	1	**107-5769**	2	SEAL-O-RING	
	5	1	**1T-0765**	2	BOLT (3/8-16X1-IN)	
	6	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	**9S-8752**	2	NUT-FULL (3/8-16-THD)	
					AVAILABLE REPAIR KIT(S):	
AJ				1	KIT-SPRING	

A-NOT PART OF THIS GROUP
C-CHANGE FROM PREVIOUS TYPE
J-KIT MARKED J SERVICES PART MARKED J
R-REMFG PART MAY BE AVAILABLE



LEFT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01364794

FUEL SYSTEM

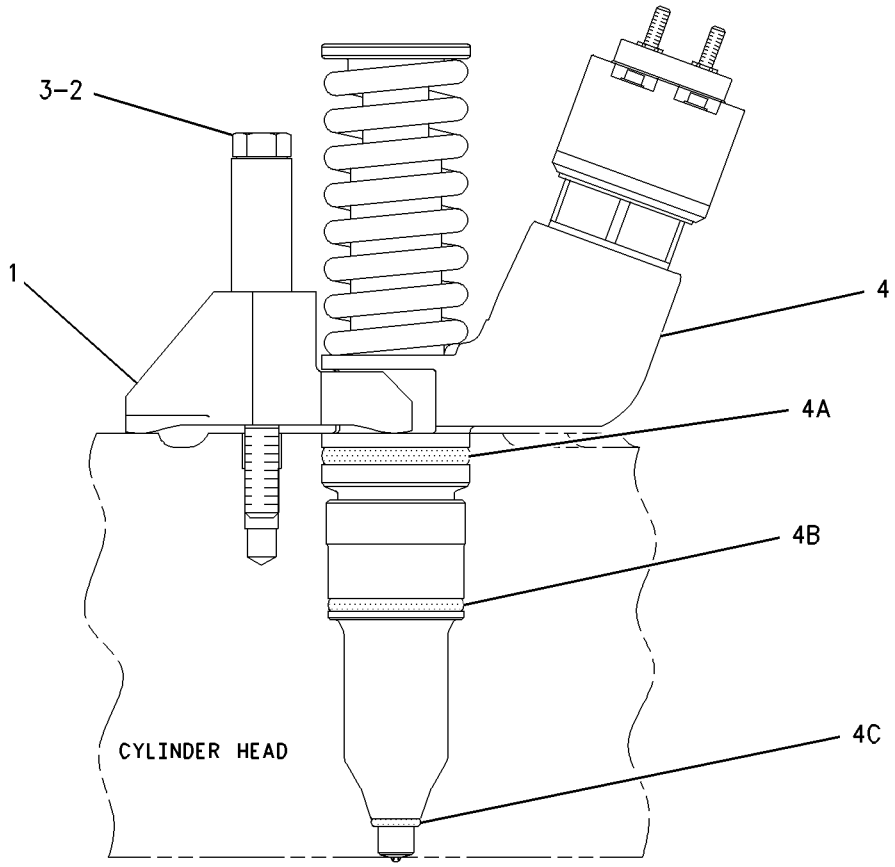
235-1401 PUMP GP-FUEL INJECTION

S/N: JRE111-UP
ALSO AN ATTACHMENT

SMCS-1251, 1290 **i02423636**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0213**	1	CLAMP	
	2	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	
	3	1	**100-5072**	1	SPACER (9.8X15.85X37.6-MM THK)	
CR	4	1	**253-0615**	1	INJECTOR GP-FUEL	
	4A	1	**230-3775**	1	SEAL-O-RING	
	4B	1	**230-3728**	1	SEAL-O-RING	
	4C	1	**9X-7317**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE



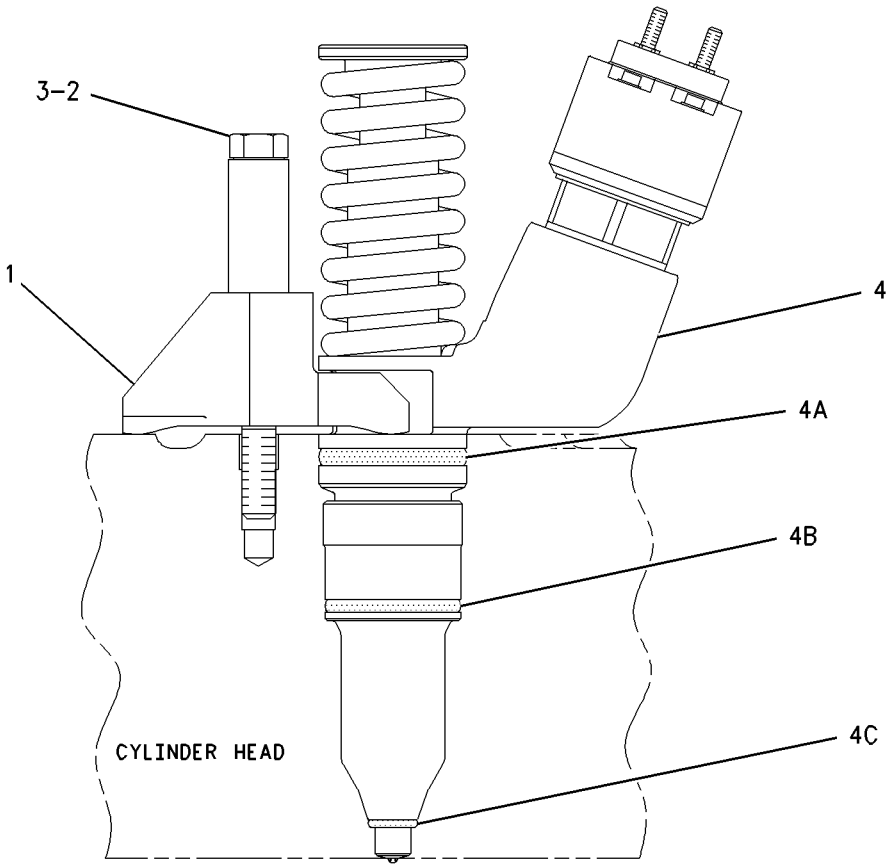
GRAPHIC #1 **<END>** g00900391

235-1401 PUMP GP-FUEL INJECTION

S/N: JRE106-110

SMCS-1251, 1290 **i02223600**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0213**	1	CLAMP	
	2	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	
	3	1	**100-5072**	1	SPACER (9.8X15.85X37.6-MM THK)	
	4	1	**244-7715**	1	INJECTOR GP-FUEL	
	4A	1	**230-3775**	1	SEAL-O-RING	
	4B	1	**230-3728**	1	SEAL-O-RING	
	4C	1	**9X-7317**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00900391

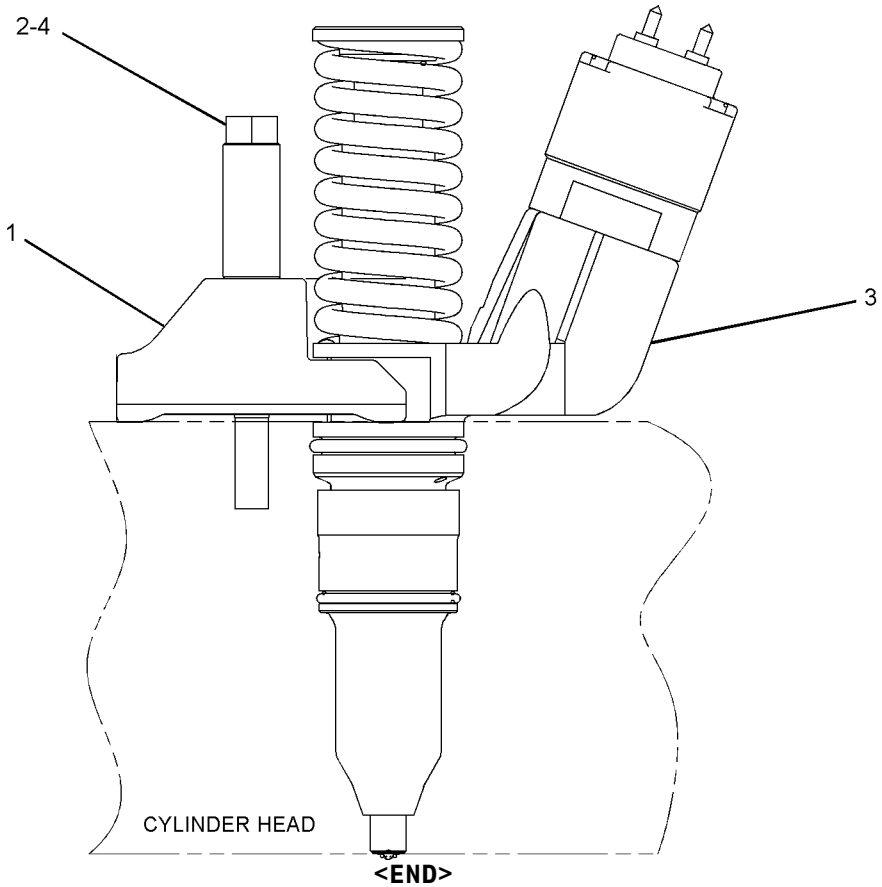
FUEL SYSTEM

235-1402 PUMP GP-FUEL INJECTION

S/N: JRE109-110
ALSO AN ATTACHMENT

SMCS-1251, 1290 **i02426127**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0213**	1	CLAMP	
	2	1	**100-5072**	1	SPACER (9.8X15.85X37.6-MM THK)	
	3	1	**244-7716**	1	INJECTOR GP-FUEL	
	3A	1	**230-3728**	1	SEAL-O-RING (32.99-MM ID)	
	3B	1	**230-3775**	1	SEAL-O-RING (36.09-MM ID)	
	3C	1	**9X-7317**	1	SEAL-O-RING (9.6MM-ID)	
	4	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	



GRAPHIC #1 **<END>** g01058299

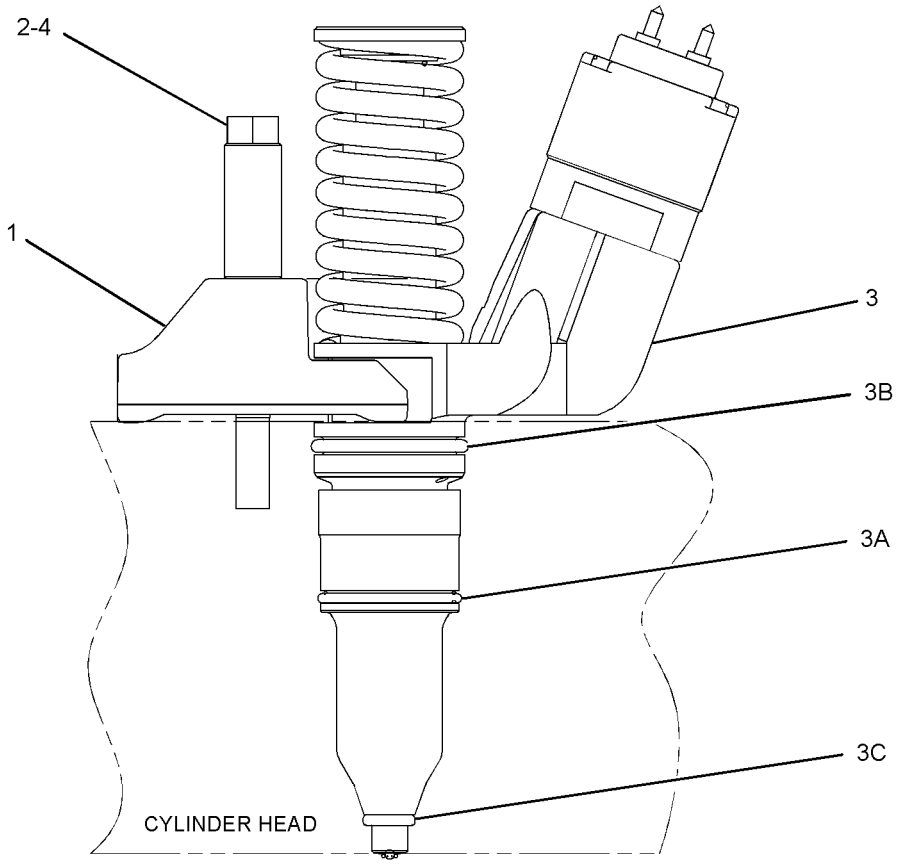
235-1402 PUMP GP-FUEL INJECTION

ALSO AN ATTACHMENT

SMCS-1251, 1290 **i02604396**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0213**	1	CLAMP	
	2	1	**100-5072**	1	SPACER (9.8X15.85X37.6-MM THK)	
CR	3	1	**253-0616**	1	INJECTOR GP-FUEL	
	3A	1	**230-3728**	1	SEAL-O-RING	
	3B	1	**230-3775**	1	SEAL-O-RING	
	3C	1	**9X-7317**	1	SEAL-O-RING	
	4	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01111489

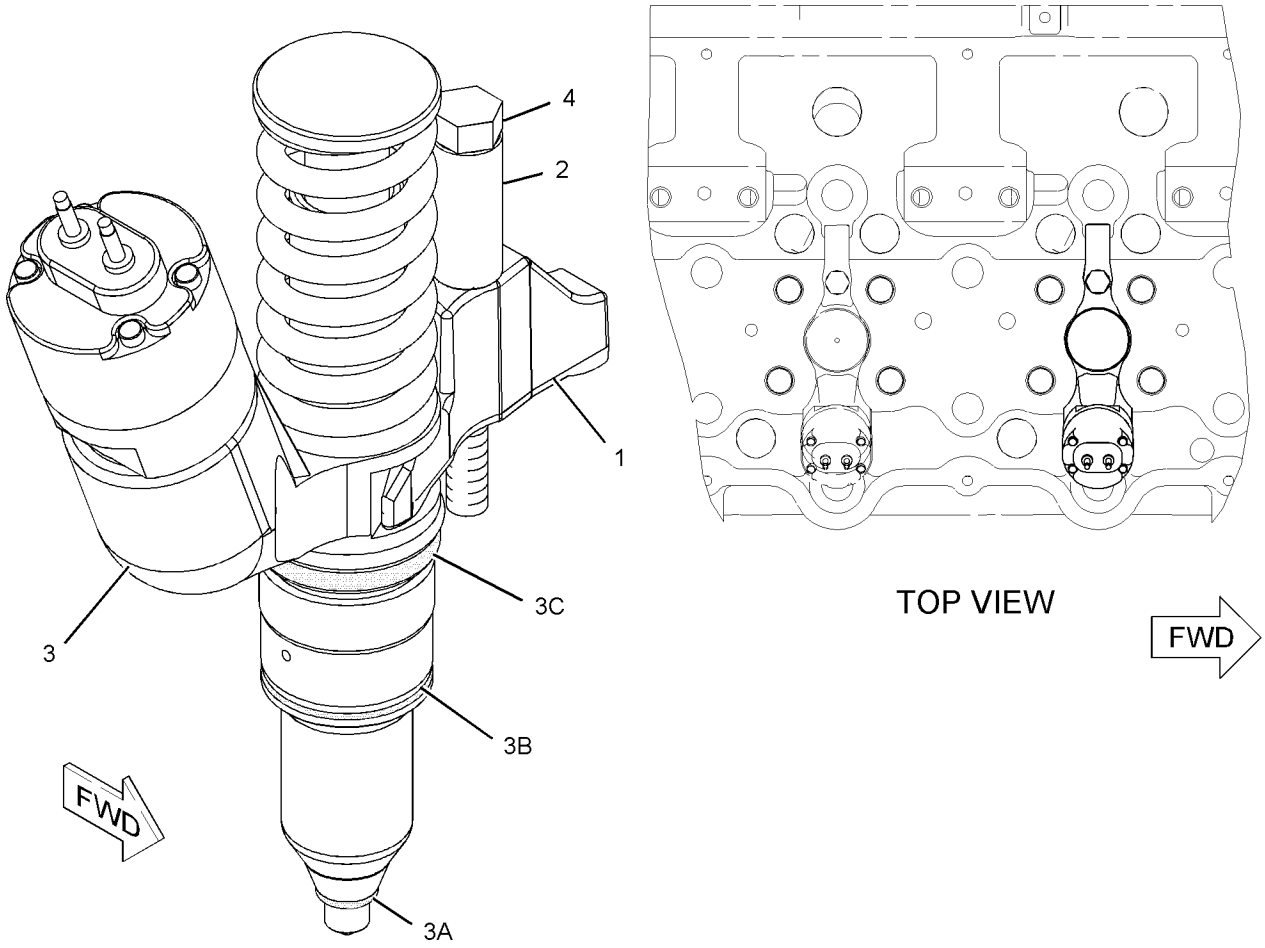
FUEL SYSTEM

235-1403 PUMP GP-FUEL INJECTION

SMCS-1251, 1290 **i02310975**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-0213**	1	CLAMP	
	2	1	**100-5072**	1	SPACER (9.8X15.85X37.6-MM THK)	
CR	3	1	**253-0618**	1	INJECTOR GP-FUEL	
	3A	1	**9X-7317**	1	SEAL-O-RING	
	3B	1	**230-3728**	1	SEAL-O-RING	
	3C	1	**230-3775**	1	SEAL-O-RING	
	4	1	**8S-9191**	1	BOLT (3/8-16X4-IN)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01033421

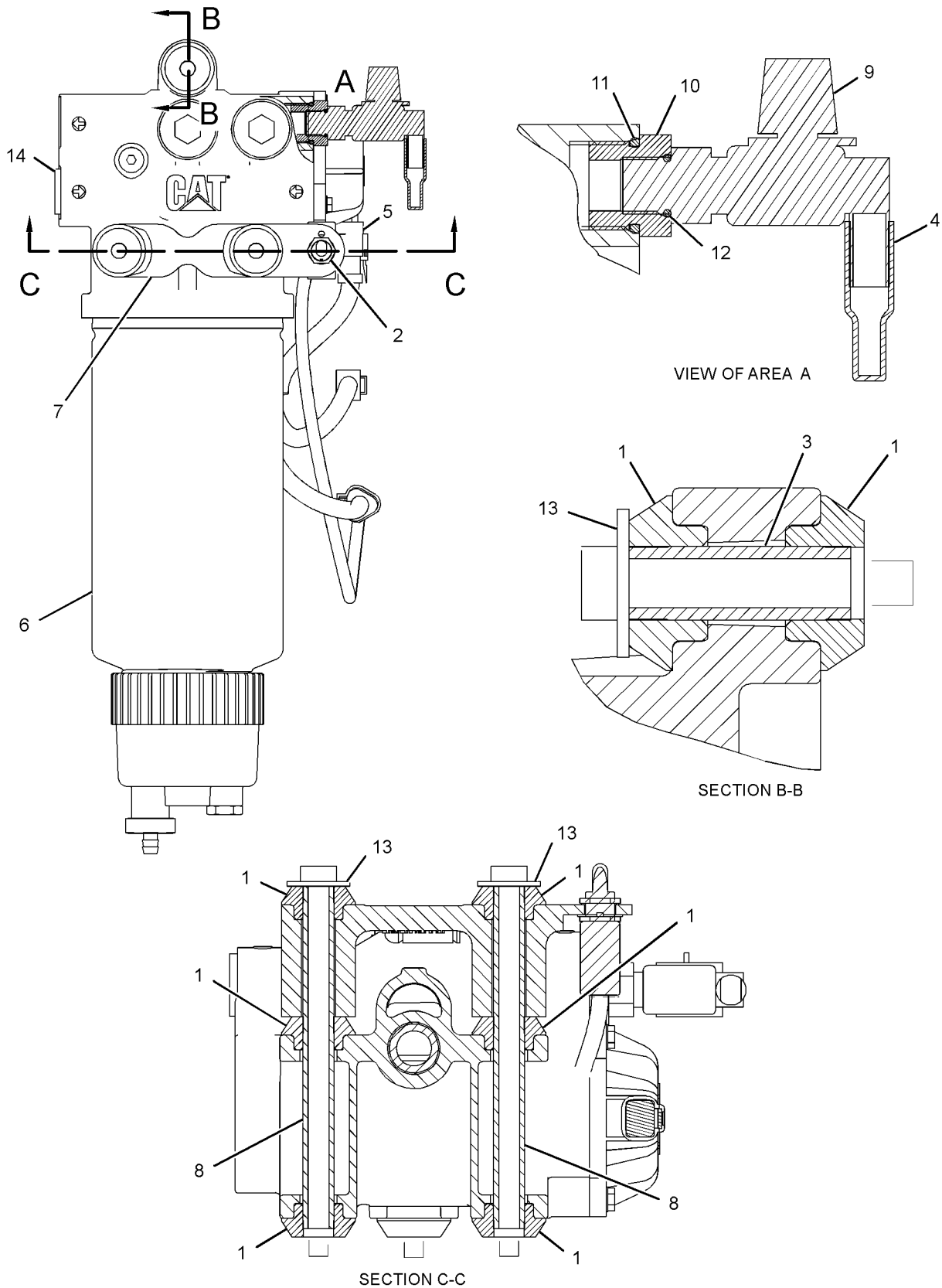
298-4782 PUMP GP-FUEL PRM & PRIM FILTER

AN ATTACHMENT

SMCS-1258, 1260 **i03213227**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-9655**	8	MOUNT-ISOLATION	
Y	2	1	**165-5970**	1	SWITCH GP-TOGGLE (FUEL PRIMING PUMP CONTROL)	956
	3	1	**191-1782**	1	SPACER (8.5X12.7X38.2-MM THK)	
	4	1	**206-6876**	1	CAP-TUBE	
	5	1	**209-8441**	1	HARNESS AS-PUMP (FUEL PRIMING)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**155-2270**	1	KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
Y	6	1	*213-4740*	1	PUMP GP-FUEL PRM & WATER SEP	795
	7	1	**232-1374**	1	BRACKET	
	8	1	**232-1376**	2	SPACER (8.5X12.7X139.1-MM THK)	
	9	1	**141-8275**	1	VALVE-DRAIN (FUEL)	
	10	1	**5P-1404**	1	ADAPTER-O-RING	
	11	1	**6V-4589**	1	SEAL-O-RING	
	12	1	**6V-5049**	1	SEAL-O-RING	
	13	1	**9N-0869**	3	WASHER-HARD (8.8X25.5X2-MM THK)	
	14	1	**201-4340**	1	PLUG AS	
		1	**6V-4589**	1	SEAL-O-RING	
		1	**9S-8006**	1	PLUG-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01375600

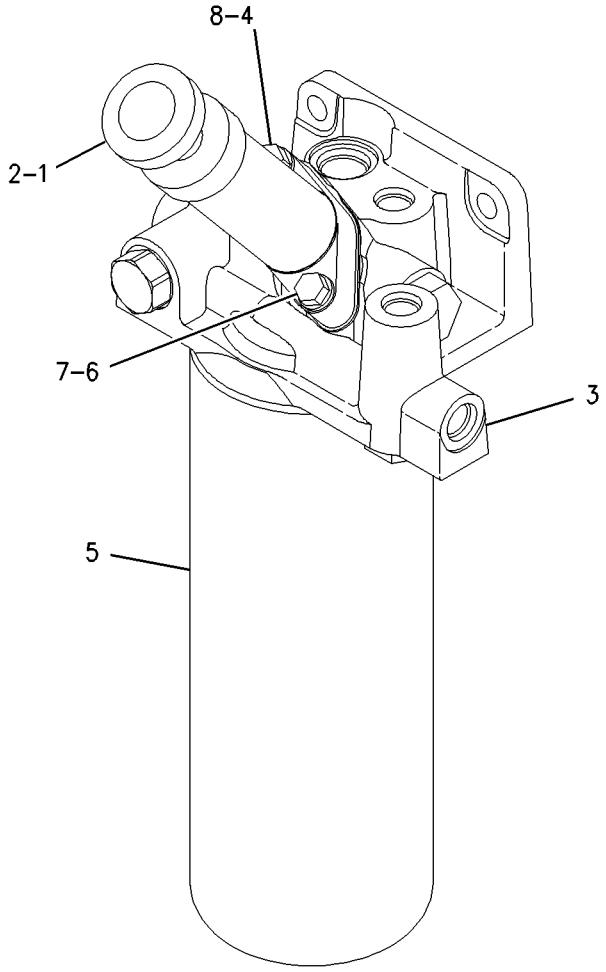
191-5054 PUMP GP-FUEL PRM & SEC FILTER

PROVIDES SECONDARY FUEL FILTER AND A UPRIGHT PRIMING PUMP
PART OF 257-7275 PUMP GP-FUEL PRM & SEC FILTER
FOR USE WITH HIGH OR LOW MOUNTED FUEL FILTER AND ADEM III CONTROL GP
AN ATTACHMENT

SMCS-1258, 1261 **i03206740**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-0436**	1	GASKET (FUEL PRIMING PUMP)	
	2	1	**137-5541**	1	PUMP GP-FUEL PRIMING	
Y	3	1	*191-5055*	1	BASE GP-FUEL FILTER	707
	4	1	**1B-7182**	1	BOLT (5/16-18X1.25-IN)	
	5	1	**1R-0749**	1	FILTER-FUEL (ADVANCED EFFICIENCY) (SECONDARY)	
	6	1	**5P-0537**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	7	1	**7B-2742**	1	BOLT (1/4-20X1.25-IN)	
	8	1	**9M-1974**	1	WASHER-HARD (8.8X16X2-MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00738839

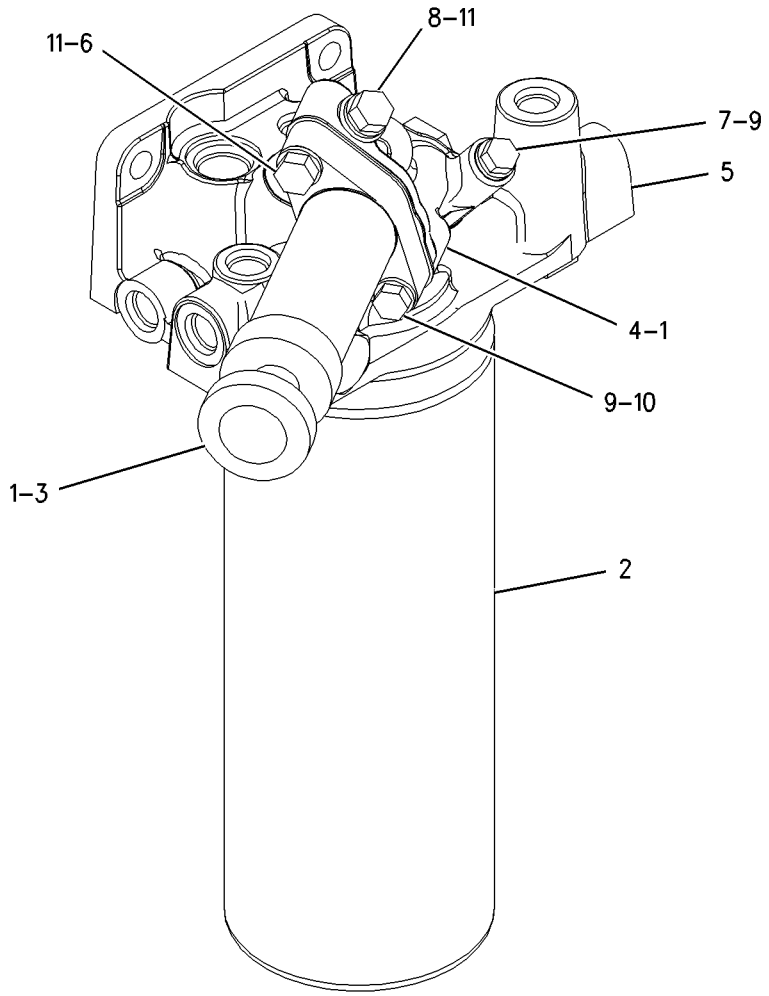
224-2165 PUMP GP-FUEL PRM & SEC FILTER

CANNOT BE USED WITH VERTICALLY UP OR REAR FACING AIR INLET ELBOW, LOWER LH MOUNTED AIR COMPRESSOR
AN ATTACHMENT

SMCS-1258, 1261 **i03206741**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-0436**	2	GASKET (FUEL PRIMING PUMP)	
	2	1	**1R-0749**	1	FILTER-FUEL (ADVANCED EFFICIENCY) (SECONDARY)	
	3	1	**137-5541**	1	PUMP GP-FUEL PRIMING	
	4	1	**137-6283**	1	ADAPTER-PRIMING PUMP	
Y	5	1	*191-5055*	1	BASE GP-FUEL FILTER	707
	6	1	**1B-7182**	1	BOLT (5/16-18X1.25-IN)	
	7	1	**1D-4533**	1	BOLT (1/4-20X2.25-IN)	
	8	1	**1D-4541**	1	BOLT (5/16-18X3-IN)	
	9	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	10	1	**7B-2742**	1	BOLT (1/4-20X1.25-IN)	
	11	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00926432

FUEL SYSTEM

257-7275 PUMP GP-FUEL PRM & SEC FILTER

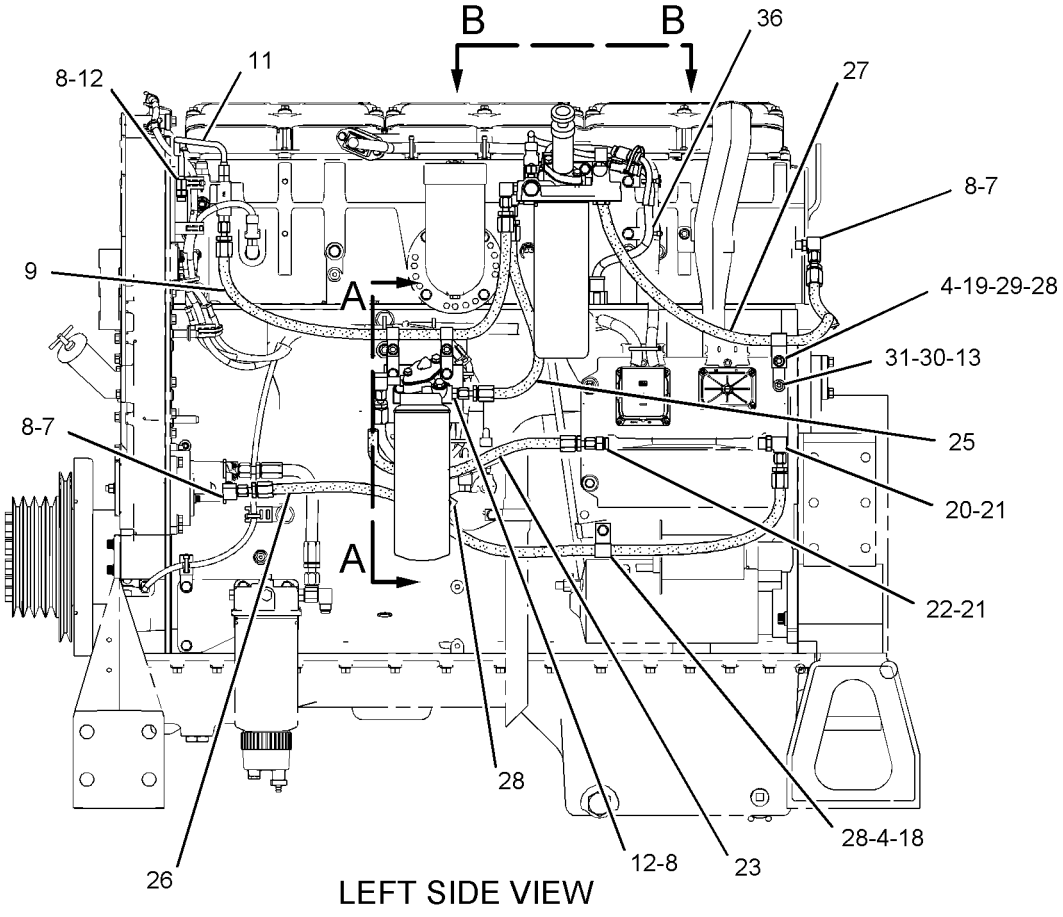
S/N: JRE1-828

FOR USE WITH FUEL COOLED ECM. CANNOT BE USED WITH INSTRUMENT PANEL GROUP, RADIATOR PACKAGE AN ATTACHMENT

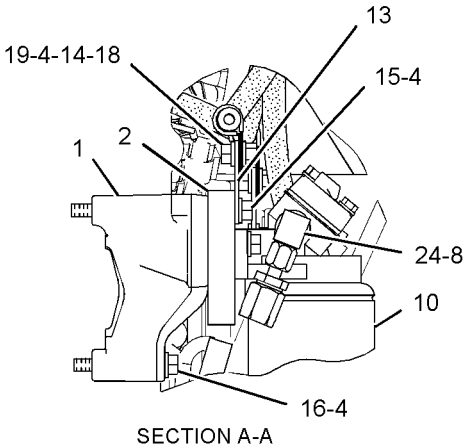
SMCS-1258, 1261 **i02194927**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**160-4372**	1	SUPPORT-BASE	
	2	1	**203-7701**	1	BRACKET	
	3	1	**137-5110**	1	BRACKET	
	4	1	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
Y	6	1	*191-5054*	1	PUMP GP-FUEL PRM & SEC FILTER	785
	7	1	**030-7947**	5	ELBOW	
	8	1	**033-6042**	8	SEAL-O-RING	
I	9	1	**4W-6841**	1	HOSE AS	
Y	10	1	*143-0453*	1	FILTER GP-FUEL	715
	11	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
	12	1	**2R-6806**	2	CONNECTOR-O-RING	
	13	1	**118-7809**	3	PLATE	
	14	1	**067-2551**	2	CLIP	
	15	1	**5B-9603**	2	BOLT (3/8-16X5-IN)	
	16	1	**0T-0573**	1	BOLT (3/8-16X2.75-IN)	
	17	1	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	18	1	**0S-0509**	3	BOLT (3/8-16X0.75-IN)	
	19	1	**9S-8752**	3	NUT-FULL (3/8-16-THD)	
	20	1	**005-4362**	1	ELBOW	
	21	1	**033-6028**	2	SEAL-O-RING	
	22	1	**030-8188**	1	CONNECTOR	
I	23	1	**247-0486**	1	HOSE AS	
	24	1	**2P-7214**	1	ELBOW	
I	25	1	**110-5957**	1	HOSE AS	
I	26	1	**9N-5613**	1	HOSE AS	
I	27	1	**166-5919**	1	HOSE AS-FUEL	
	28	1	**4D-7735**	3	CLIP	
	29	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	30	1	**3E-4352**	2	WASHER-HARD (8.8X20.5X2.5-MM THK)	
	31	1	**5S-0003**	1	NUT (5/16-18-THD)	
	32	1	**9X-0261**	1	ADAPTER	
	33	1	**6V-5049**	1	SEAL-O-RING	
Y	34	1	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
Y	35	1	*197-8391*	1	SENSOR GP-TEMPERATURE (FUEL)	906
	36	1	**227-3812**	1	HARNESS AS-SENSOR	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2270**	2	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
		1	**8T-8737**	1	PLUG-SEAL	
	37	1	**3S-2093**	1	STRAP-CABLE	
	38	1	**160-8124**	1	PLUG AS (2-PIN)	
		1	**8T-8737**	2	PLUG-SEAL	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	

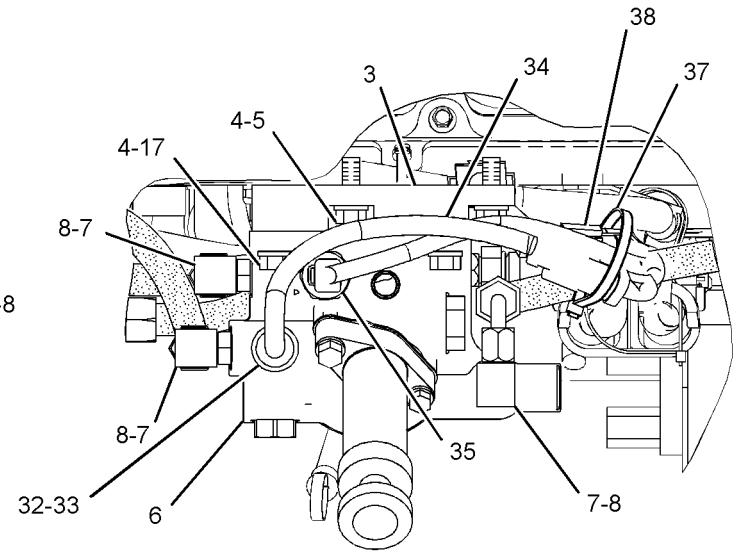
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW



SECTION A-A



VIEW B-B

GRAPHIC #1 **<END>** g01124486

FUEL SYSTEM

257-7275 PUMP GP-FUEL PRM & SEC FILTER

S/N: JRE829-UP

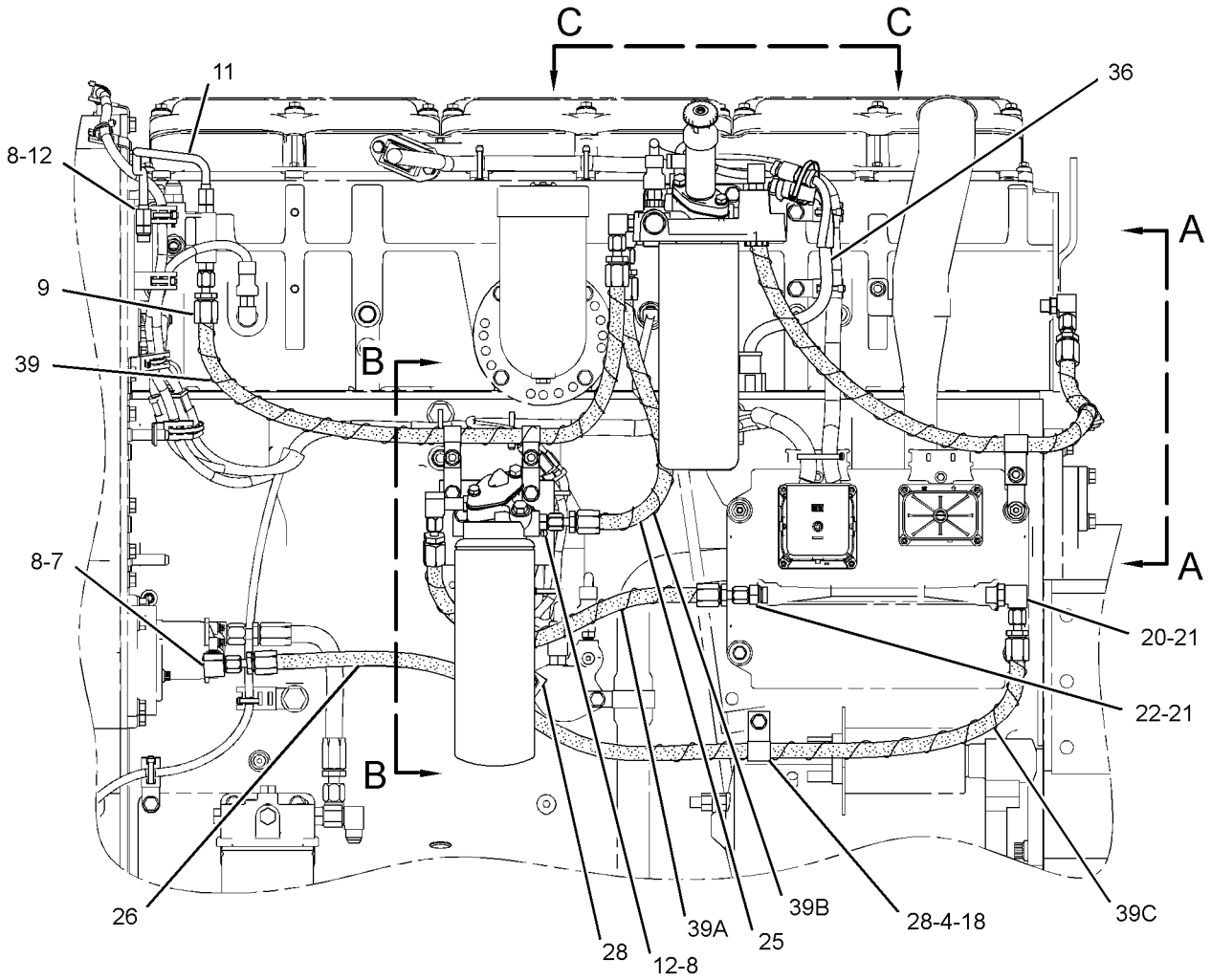
FOR USE WITH FUEL COOLED ECM. CANNOT BE USED WITH INSTRUMENT PANEL GROUP, RADIATOR PACKAGE AN ATTACHMENT

SMCS-1258, 1261 **i03626431**

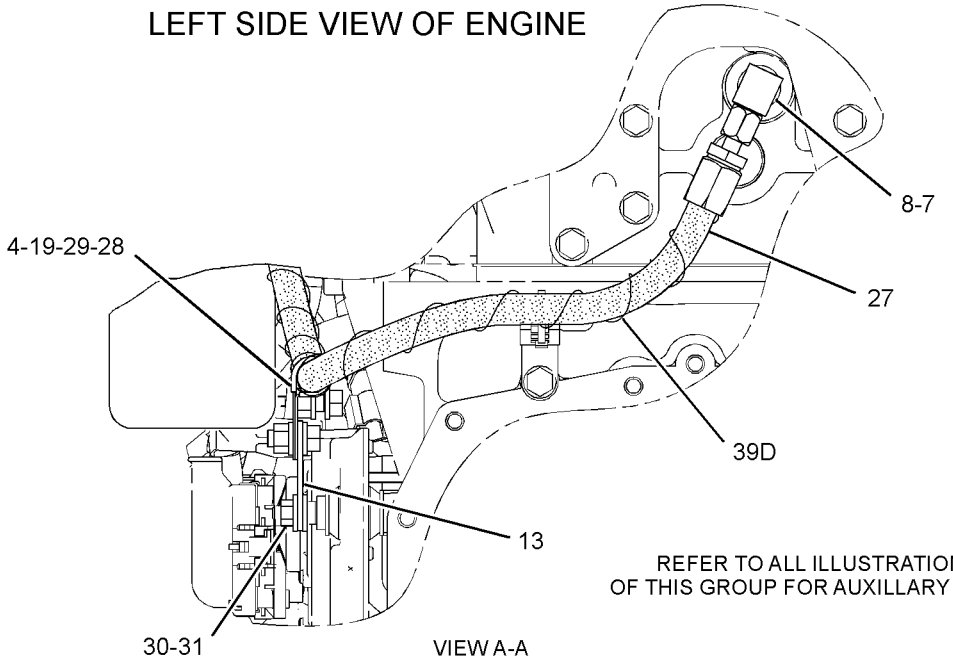
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**160-4372**	1	SUPPORT-BASE	
	2	2	**203-7701**	1	BRACKET	
	3	2	**137-5110**	1	BRACKET	
	4	1,2	**5M-2894**	14	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	2	**1A-2029**	2	BOLT (3/8-16X1.125-IN)	
Y	6	2	*191-5054*	1	PUMP GP-FUEL PRM & SEC FILTER	785
	7	1,2	**030-7947**	5	ELBOW	
	8	1,2	**033-6042**	8	SEAL-O-RING	
I	9	1	**4W-6841**	1	HOSE AS	
Y	10	2	*143-0453*	1	FILTER GP-FUEL	715
	11	1	**168-8974**	1	TUBE AS (FUEL SUPPLY)	
	12	1	**2R-6806**	2	CONNECTOR-O-RING	
	13	1,2	**118-7809**	3	PLATE	
	14	2	**067-2551**	2	CLIP	
	15	2	**5B-9603**	2	BOLT (3/8-16X5-IN)	
	16	2	**0T-0573**	1	BOLT (3/8-16X2.75-IN)	
	17	2	**3B-1915**	2	BOLT (3/8-16X1.375-IN)	
	18	1,2	**0S-0509**	3	BOLT (3/8-16X0.75-IN)	
	19	1,2	**9S-8752**	3	NUT-FULL (3/8-16-THD)	
	20	1	**005-4362**	1	ELBOW	
	21	1	**033-6028**	2	SEAL-O-RING	
	22	1	**030-8188**	1	CONNECTOR	
I	23	2	**247-0486**	1	HOSE AS	
	24	2	**2P-7214**	1	ELBOW	
I	25	1	**110-5957**	1	HOSE AS	
I	26	1	**9N-5613**	1	HOSE AS	
I	27	1	**166-5919**	1	HOSE AS-FUEL	
	28	1	**336-8613**	3	CLIP	
	29	1	**0L-1351**	1	BOLT (3/8-16X0.875-IN)	
	30	1	**3E-4352**	2	WASHER-HARD (8.8X20.5X2.5-MM THK)	
	31	1	**5S-0003**	1	NUT (5/16-18-THD)	
	32	2	**9X-0261**	1	ADAPTER	
	33	2	**6V-5049**	1	SEAL-O-RING	
Y	34	2	*239-2396*	1	SENSOR GP-PRESSURE (FUEL)	894
CY	35	2	*234-5013*	1	SENSOR GP-TEMPERATURE (FUEL)	909
C	36	1	**276-3091**	1	HARNESS AS-SENSOR (JUMPER)	
		1	**230-4012**	1	RECEPTACLE AS-CONNECTOR (2-PIN)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**102-8806**	1	KIT-RECEPTACLE (8-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
E		1	**114-8843**		SLEEVE-PLASTIC (60-CM)	
		1	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
	37	2	**3S-2093**	1	STRAP-CABLE	
C	38	2	*278-8844*	1	PLUG AS-CONNECTOR	
		2	**8T-8737**	2	PLUG-SEAL	
		2	**230-4011**	1	PLUG AS-CONNECTOR (2-PIN)	
E	39	1	**8C-5064**		CONDUIT-FLEXIBLE (74.9-CM)	
E	39A	1	**8C-5064**		CONDUIT-FLEXIBLE (43.8-CM)	
E	39B	1	**8C-5064**		CONDUIT-FLEXIBLE (36.8-CM)	
E	39C	1	**8C-5064**		CONDUIT-FLEXIBLE (42-CM)	
E	39D	1	**8C-5064**		CONDUIT-FLEXIBLE (80.4-CM)	

257-7275 PUMP GP-FUEL PRM & SEC FILTER *(contd.)* i03626431

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW OF ENGINE



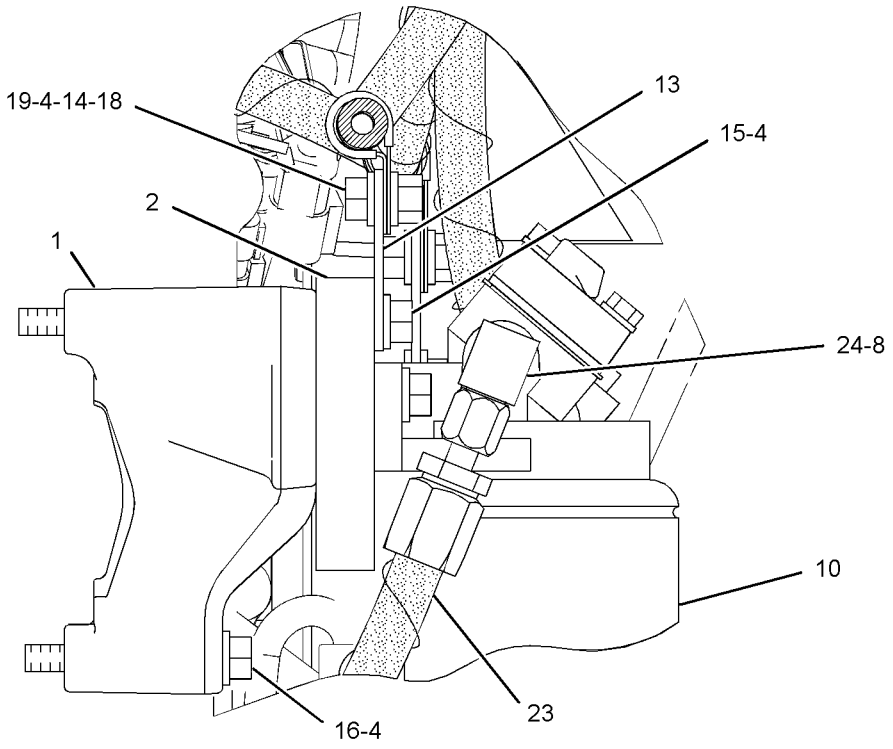
VIEW A-A

REFER TO ALL ILLUSTRATIONS
OF THIS GROUP FOR AUXILLARY VIEWS

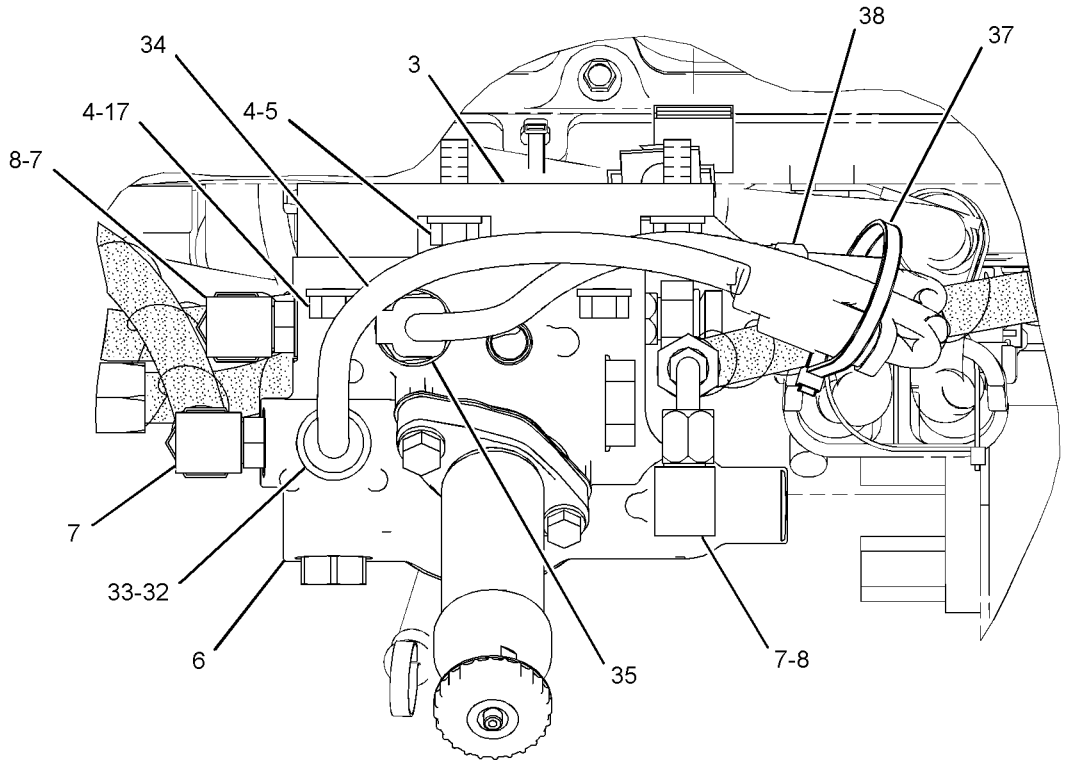
GRAPHIC #1

g01947677

257-7275 **PUMP GP-FUEL PRM & SEC FILTER** *(contd.)* **i03626431**



SECTION B-B



VIEW C-C

GRAPHIC #2 **<END>** g01947804

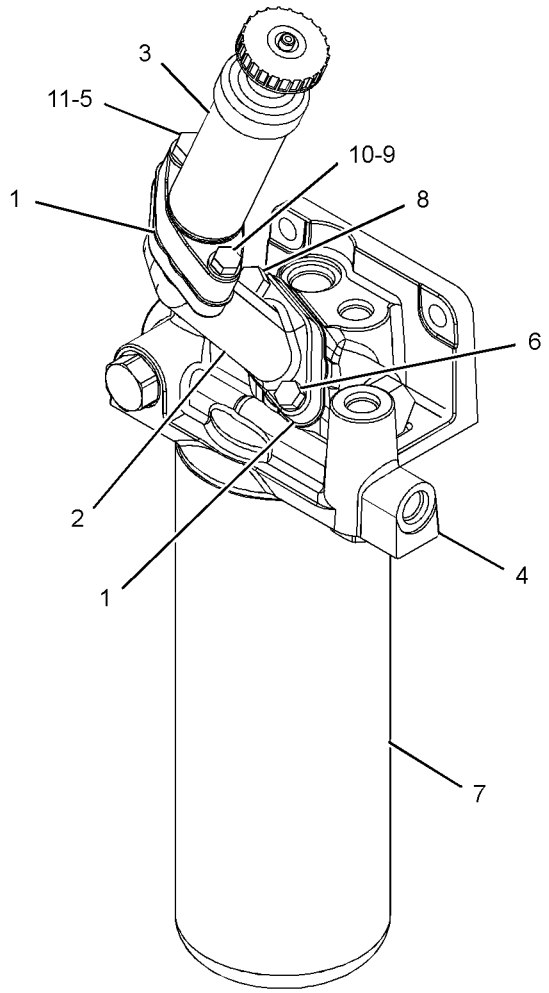
269-7631 PUMP GP-FUEL PRM & SEC FILTER

CANNOT BE USED WITH RADIATOR PACKAGE, LOW MOUNT FUEL FILTER, AND MID MOUNT FUEL FILTER
AN ATTACHMENT

SMCS-1258, 1261 **i03206747**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1P-0436**	2	GASKET (FUEL PRIMING PUMP)	
	2	1	**1W-5833**	1	ADAPTER-PRIMING	
	3	1	**137-5541**	1	PUMP GP-FUEL PRIMING	
Y	4	1	*191-5055*	1	BASE GP-FUEL FILTER	707
	5	1	**1B-7182**	1	BOLT (5/16-18X1.25-IN)	
	6	1	**1H-3337**	1	BOLT (1/4-20X0.875-IN)	
	7	1	**1R-0749**	1	FILTER-FUEL (ADVANCED EFFICIENCY) (SECONDARY)	
	8	1	**4M-6425**	1	BOLT (5/16-18X1-IN)	
	9	1	**5P-0537**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	10	1	**7B-2742**	1	BOLT (1/4-20X1.25-IN)	
	11	1	**9M-1974**	1	WASHER-HARD (8.8X16X2-MM THK)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01153967

190-8977 PUMP GP-FUEL PRM & WATER SEP

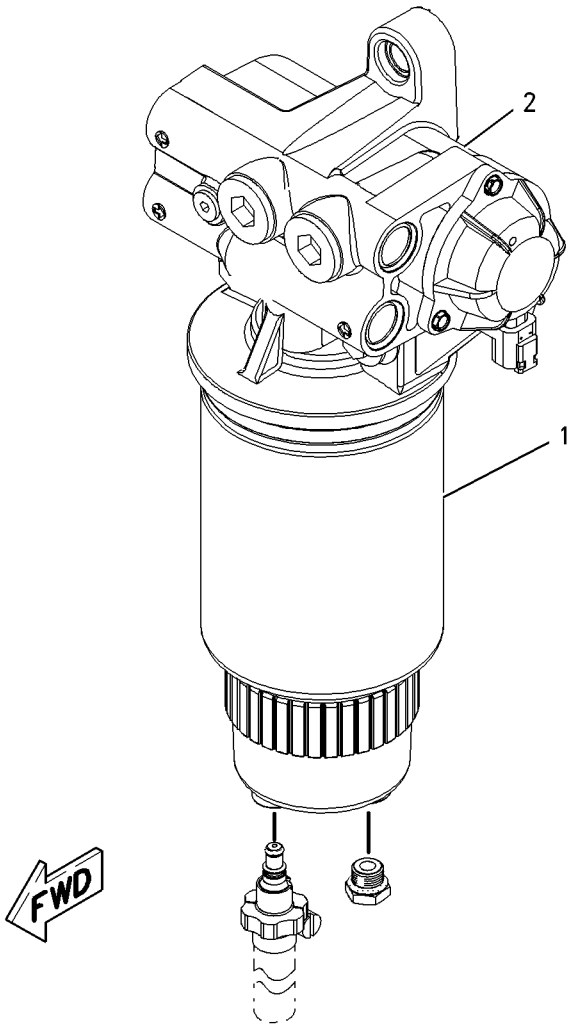
PART OF 254-2263 KIT-FUEL PRIMING PUMP

AN ATTACHMENT

SMCS-1258, 1261, 1263 **i03638087**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*174-9570*	1	FILTER GP-WATER SEP & FUEL (PRIMARY)	717
	2	1	**190-8970**	1	PUMP AS-FUEL PRIMING	
		1	**6D-5801**	2	LOCKNUT (8-32-THD)	
		1	**9S-2437**	3	SCREW-TAPPING (10-24X19.05-MM)	
		1	**9S-8002**	1	PLUG-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00904493

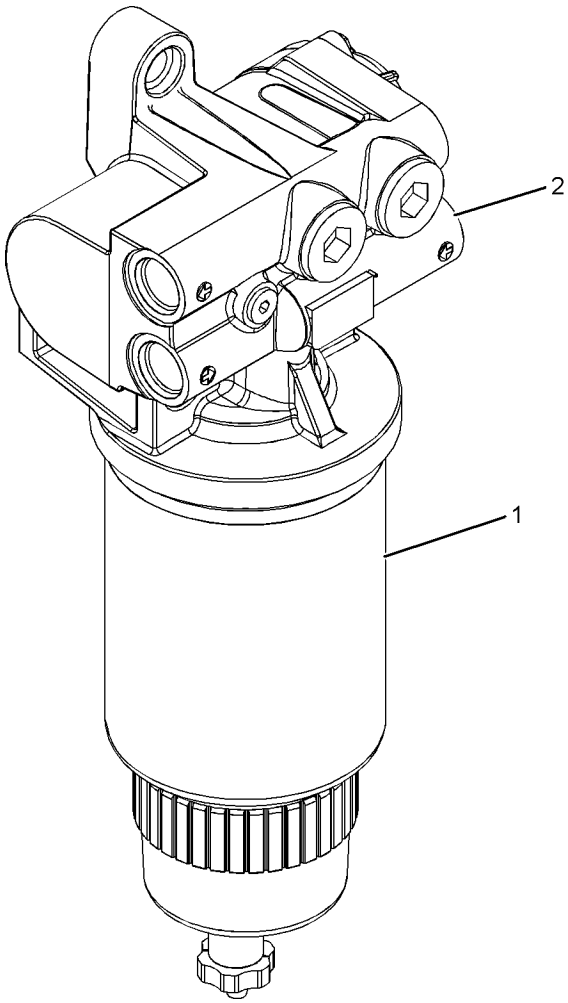
213-4740 PUMP GP-FUEL PRM & WATER SEP

PART OF 298-4782 PUMP GP-FUEL PRM & PRIM FILTER
AN ATTACHMENT

SMCS-1258, 1261, 1263 **i03027462**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	*212-9580*	1	FILTER GP-WATER SEP & FUEL (PRIMARY)	719
	2	1	**247-6050**	1	BASE GP-FUEL FILTER	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01089480

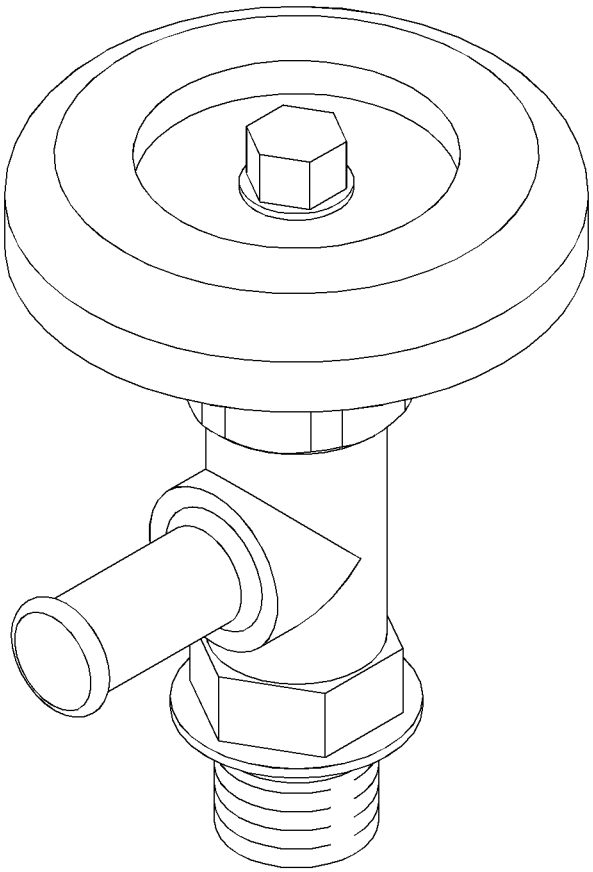
FUEL SYSTEM

235-3577 SHUTOFF GP-MANUAL

AN ATTACHMENT

SMCS-1265, 1704, 7418 **i02537892**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g01270995

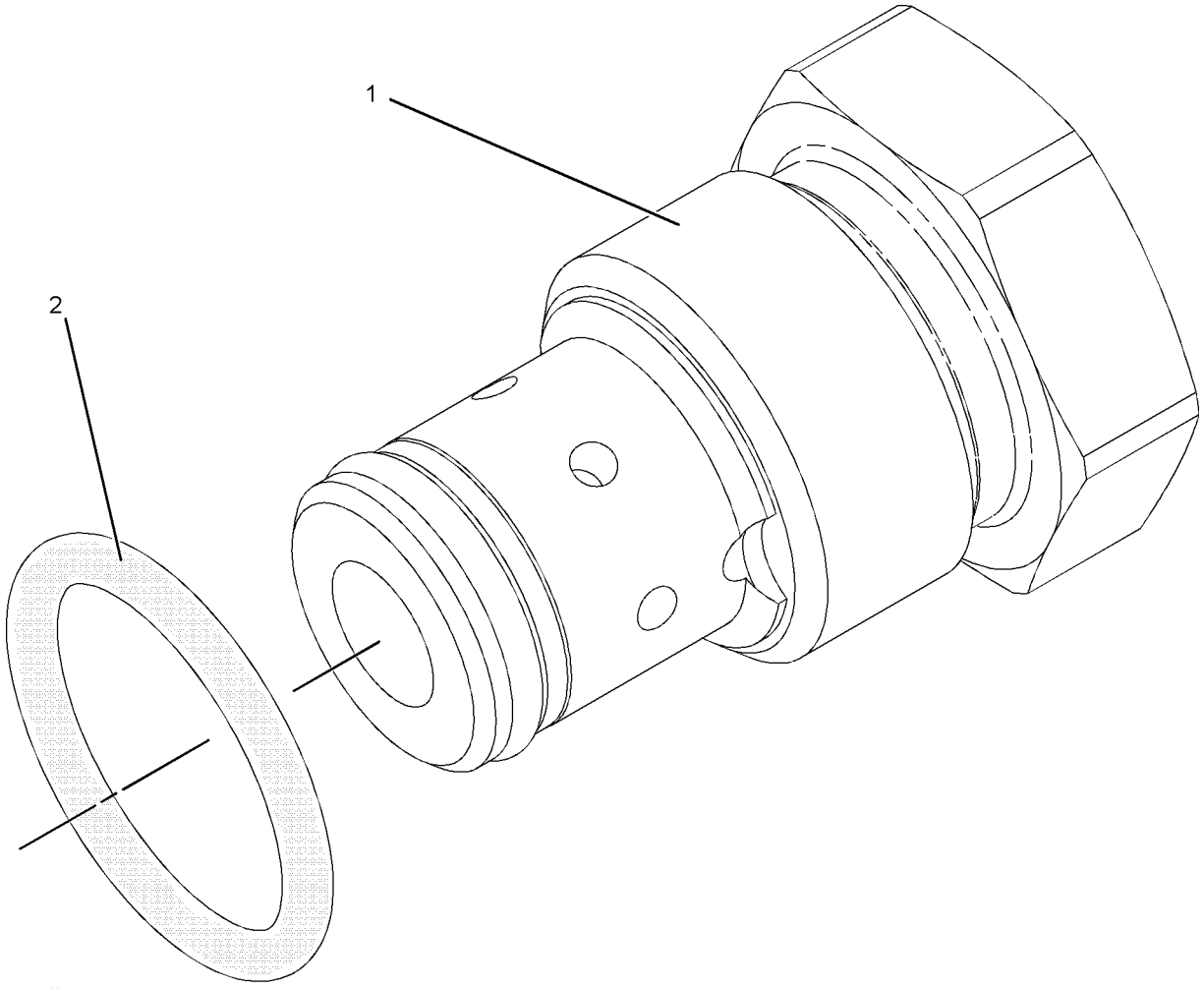
233-6742 VALVE GP-CHECK–FUEL

PART OF 191-5055 BASE GP-FUEL FILTER
AN ATTACHMENT
TYPE 1

SMCS-1262 **i02274525**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**238-0296**	1	VALVE GP-CHECK (FUEL)	799
	2	1	**6V-4589**	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01031823

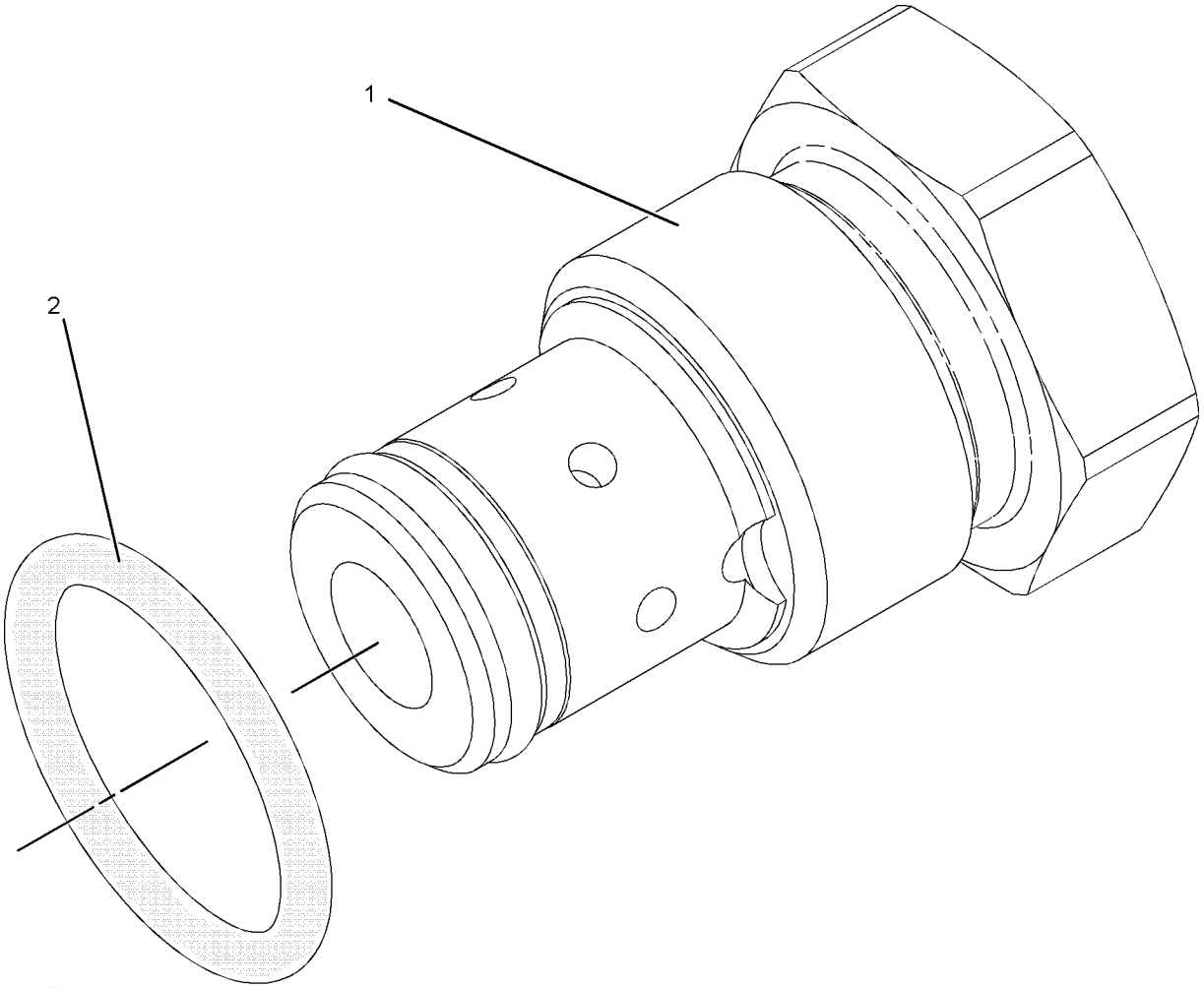
233-6742 VALVE GP-CHECK–FUEL

PART OF 191-5055 BASE GP-FUEL FILTER
AN ATTACHMENT
TYPE 2

SMCS-1262 **i02443795**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	**281-2725**	1	VALVE GP-CHECK (FUEL)	800
	2	1	**6V-4589**	1	SEAL-O-RING	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



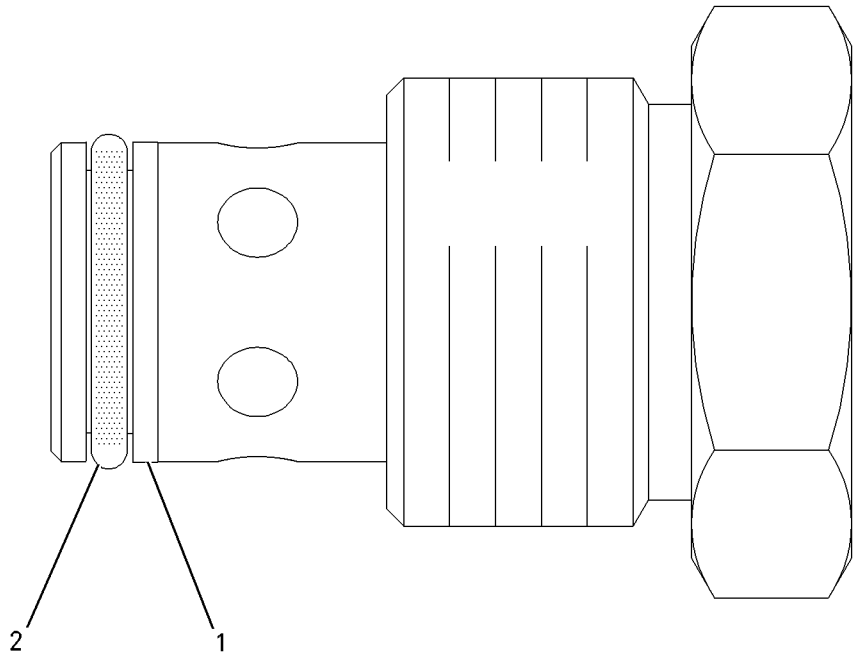
GRAPHIC #1 **<END>** g01031823

238-0296 VALVE GP-CHECK–FUEL

PART OF 233-6742 VALVE GP-CHECK
AN ATTACHMENT

SMCS-1262 **i02140024**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-6923**	1	RING-BACKUP	
	2	1	**033-6033**	1	SEAL-O-RING	



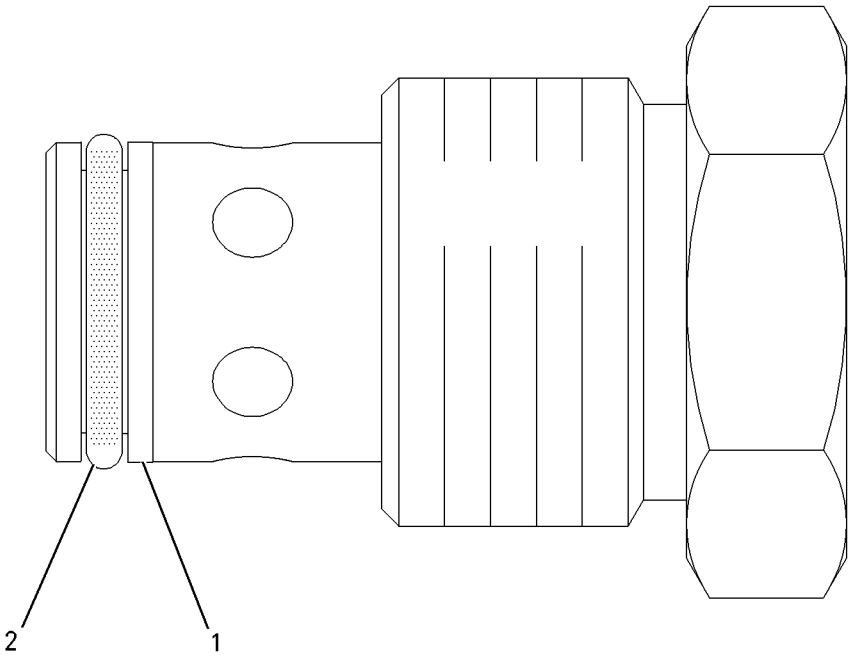
GRAPHIC #1 **<END>** g00864141

281-2725 VALVE GP-CHECK–FUEL

PART OF 233-6742 VALVE GP-CHECK
AN ATTACHMENT

SMCS-1262 **i02444582**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-6923**	1	RING-BACKUP	
	2	1	**033-6033**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00864141

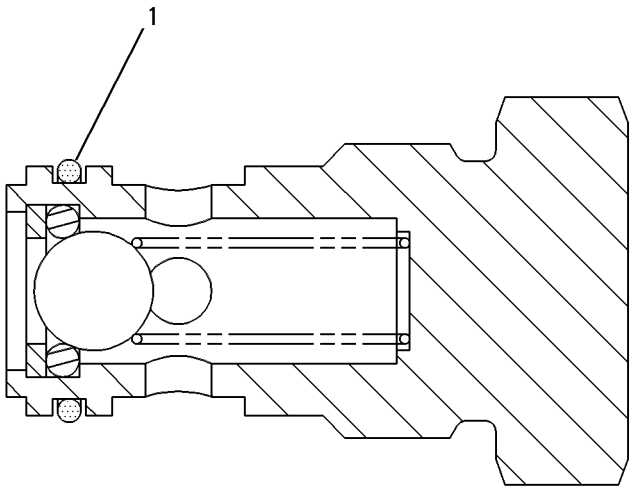
139-6873 VALVE GP-FUEL BYPASS–FILTER

PART OF 191-5055 BASE GP-FUEL FILTER

AN ATTACHMENT

SMCS-1256 **i01986135**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-7737**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00266124

6E-4402 VALVE GP-RELIEF–CHARGE PRESSURE

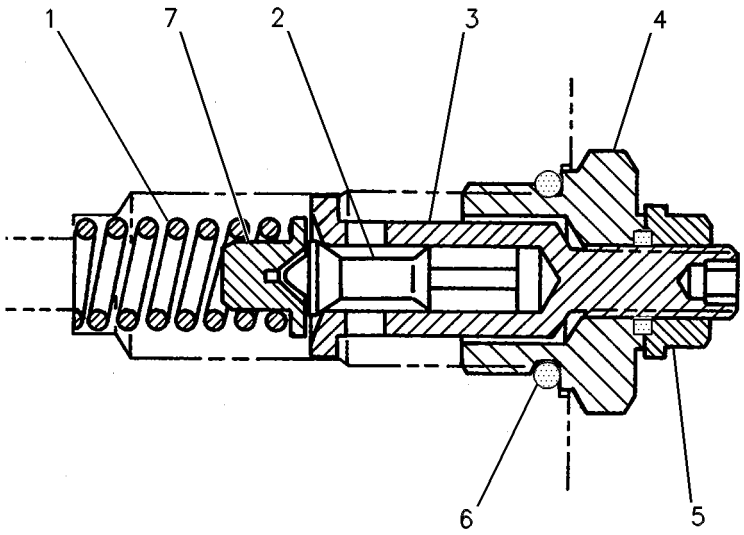
PART OF 316-1434 PUMP GP-HYDRAULIC

AN ATTACHMENT

SMCS-1274, 5117, 5453 **i02591010**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**202-2342**	1	SPRING	
	2	1	**6E-4404**	1	VALVE-POPPET	
	3	1	**183-8410**	1	SCREW	
	4	1	**6E-4403**	1	PLUG	
M	5	1	**6E-4240**	1	NUT-SEALING (M10X1-THD)	
	6	1	**6V-8352**	1	SEAL-O-RING	
	7	1	**167-7715**	1	RETAINER-SPRING	

M-METRIC PART



GRAPHIC #1 **<END>** g00252131

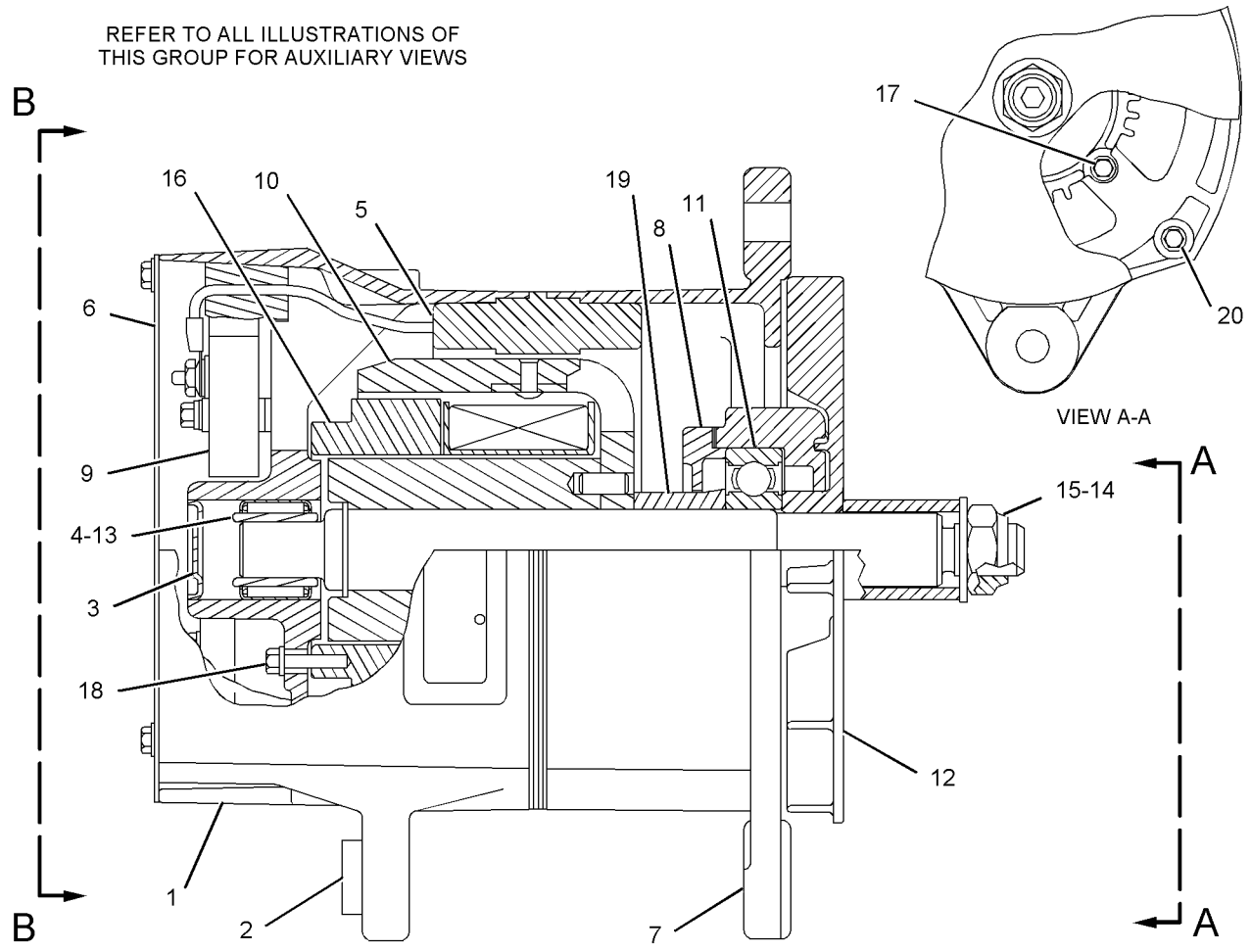
ELECTRICAL AND STARTING SYSTEM

4N-3986 ALTERNATOR GP-CHARGING*R

S/N: JRE1-10127
24-VOLT, 60-AMPERE
FIELD REPLACEMENT ORDER 266-7227—PAGE 829, 333-1184—PAGE 833
AN ATTACHMENT

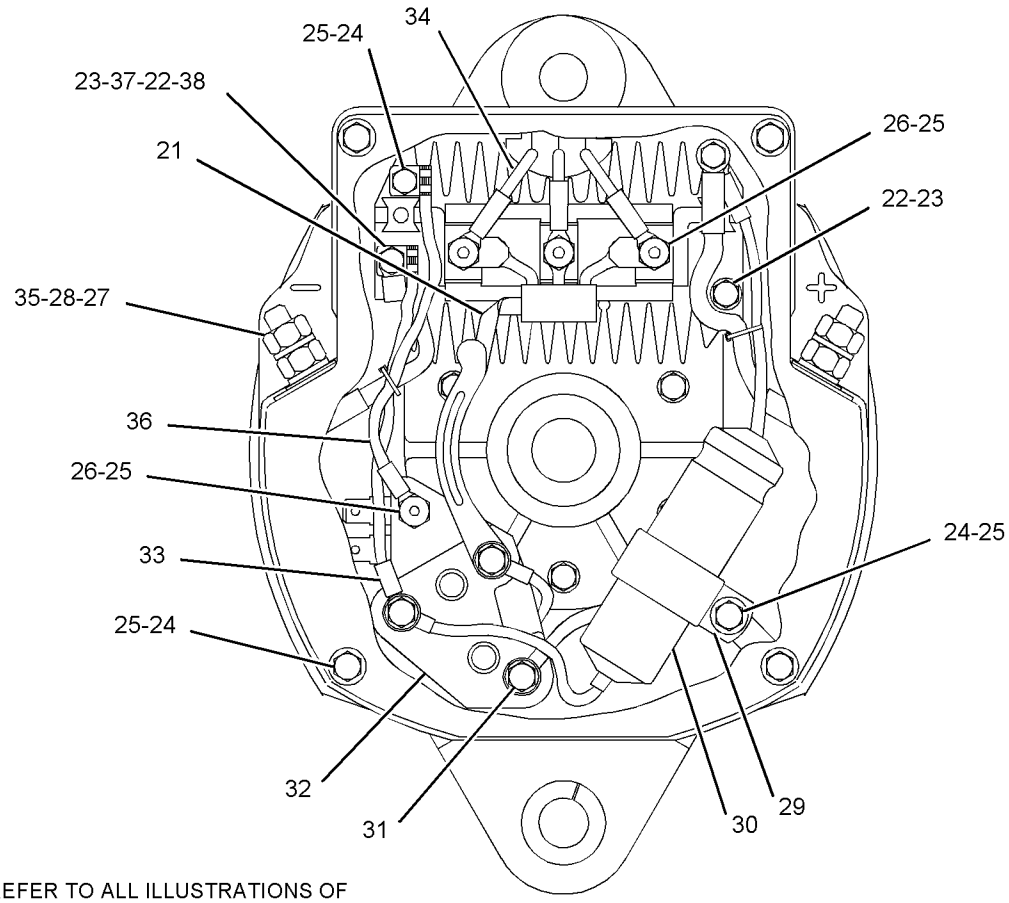
SMCS-1405 **i02858057**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-1876**	1	HOUSING AS (RECTIFIER)	
	2	1	**9S-2396**	1	BUSHING-TERMINAL	
	3	1	**9N-0943**	1	PLUG-BEARING WELL	
	4	1	**5P-3418**	1	BEARING-ROLLER	
	5	1	**6N-1968**	1	STATOR AS	
		1	**2L-8075**	3	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
		1	**9N-0939**	1	GROMMET	
	6	1	**9N-0942**	1	PLATE-COVER	
	7	1	**2P-5616**	1	FRAME-DRIVE END	
	8	1	**9S-2390**	1	RETAINER	
	9	1	**9N-0937**	1	RECTIFIER AS	
	10	1	**9S-2302**	1	ROTOR AS	
	11	1	**5P-7807**	1	BALL BEARING	
	12	1	**100-6531**	1	FAN-ALTERNATOR (11-BLADE)	
	13	1	**5P-3419**	1	RACE-BEARING INNER	
	14	1	**7F-7621**	1	WASHER (0.635X1.25X0.09-IN THK)	
	15	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	16	1	**6N-1945**	1	COIL AS-FIELD	
	17	1	**9X-2500**	4	SCREW-HEX FLANGE (10-24X38.1-MM)	
	18	1	**9N-3388**	5	BOLT (10-24X0.75-IN)	
	19	1	**100-6532**	1	COLLAR-ALTERNATOR	
	20	1	**9S-2009**	4	BOLT-FLANGE HEAD (10-24X3.625-IN)	
	21	2	**6N-1944**	1	DIODE AS	
	22	2	**6N-1870**	2	SCREW AS (8-32X34-MM)	
	23	2	**8T-0328**	2	WASHER-HARD (5.5X10X1-MM THK)	
	24	2	**9S-2544**	7	SCREW-HEX HEAD (8-32X11.13-MM)	
	25	2	**9B-7233**	11	LOCKWASHER	
	26	2	**4B-2043**	4	NUT (8-32-THD)	
	27	2	**6V-8187**	2	NUT (1/4-28-THD)	
	28	2	**1H-3244**	2	LOCKWASHER	
	29	2	**6N-1925**	1	BRACKET	
	30	2	**6N-1946**	1	CAPACITOR AS	
	31	2	**6N-1872**	3	SCREW AS (8-32X1.25-IN)	
	32	2	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	33	2	**6N-1873**	1	LEAD AS	
	34	2	**2L-8075**	3	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
	35	2	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	36	2	**6N-1871**	1	LEAD AS	
	37	2	**8M-6701**	3	WASHER (0.281X0.5X0.032-IN THK)	
	38	2	**6N-1856**	4	BUSHING-TERMINAL	
					AVAILABLE REPAIR KIT(S):	
			6N-1875	1	KIT-OUTPUT TERMINAL (ALTERNATOR)	
					(INCLUDES TERMINAL, LEAD ASSEMBLY, BUSHING, WASHERS, NUTS AND LOCKWASHERS)	
			105-3762	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES TERMINAL ASSEMBLY, INSULATOR, BUSHING, WASHER, NUTS AND LOCKWASHERS)	



GRAPHIC #1

g01100218



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

VIEW B-B

GRAPHIC #2 **<END>** g01117023

ELECTRICAL AND STARTING SYSTEM

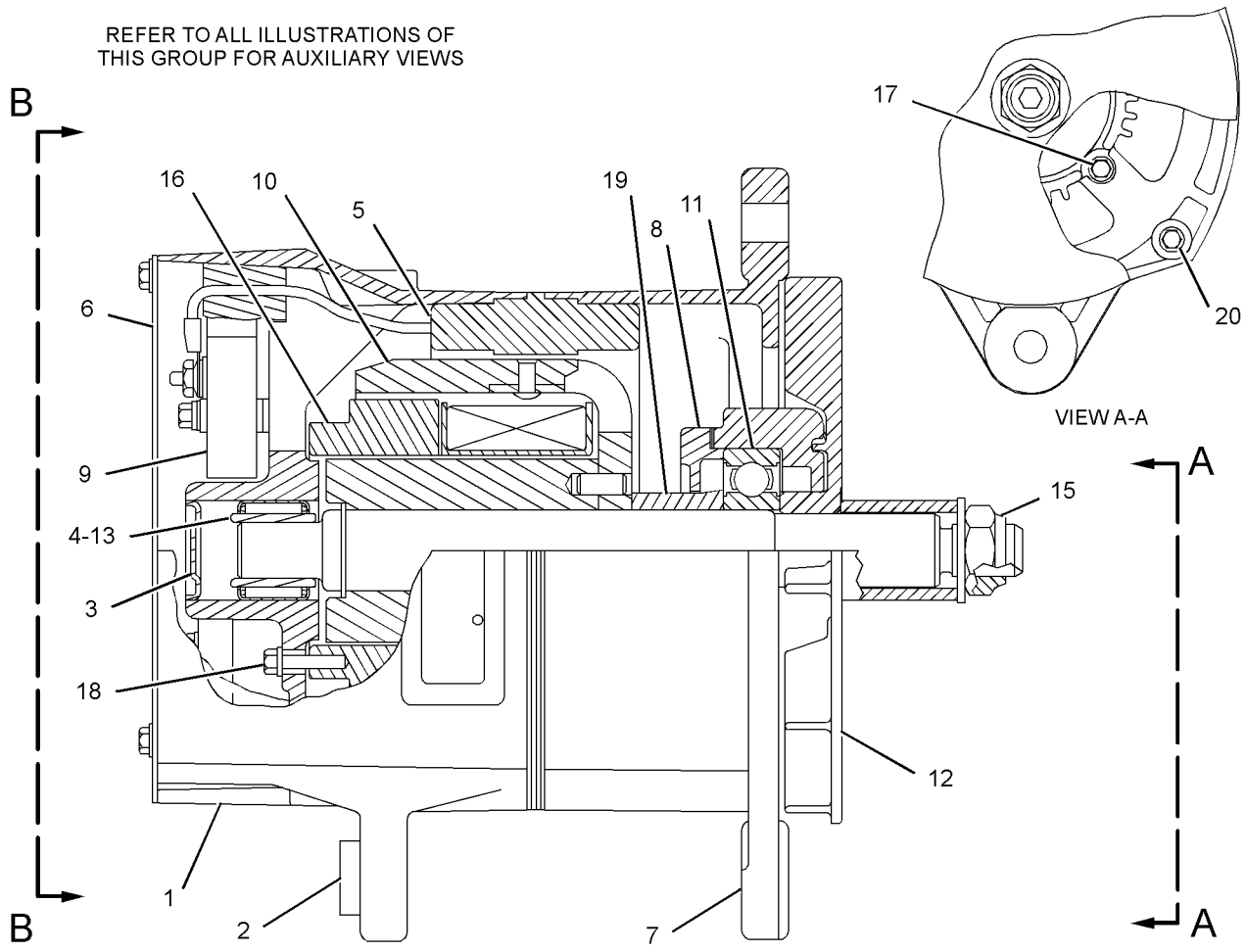
4N-3986 ALTERNATOR GP-CHARGING*R

S/N: JRE10128-UP
24-VOLT, 60-AMPERE
FIELD REPLACEMENT ORDER 266-7227—PAGE 829, 333-1184—PAGE 833
AN ATTACHMENT

SMCS-1405 **i03507497**

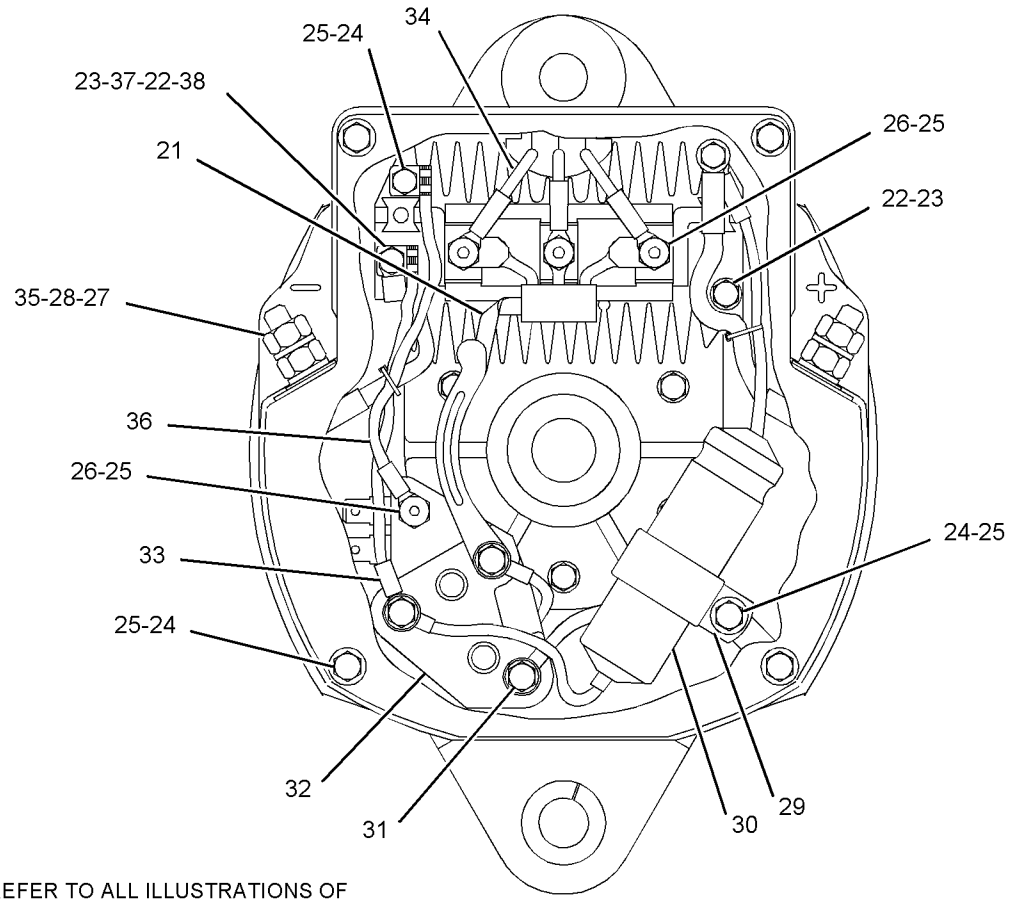
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6N-1876**	1	HOUSING AS (RECTIFIER)	
	2	1	**9S-2396**	1	BUSHING-TERMINAL	
	3	1	**9N-0943**	1	PLUG-BEARING WELL	
	4	1	**5P-3418**	1	BEARING-ROLLER	
	5	1	**6N-1968**	1	STATOR AS	
		1	**2L-8075**	3	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
		1	**9N-0939**	1	GROMMET	
	6	1	**9N-0942**	1	PLATE-COVER	
	7	1	**2P-5616**	1	FRAME-DRIVE END	
	8	1	**9S-2390**	1	RETAINER	
	9	1	**9N-0937**	1	RECTIFIER AS	
	10	1	**9S-2302**	1	ROTOR AS	
	11	1	**5P-7807**	1	BALL BEARING	
	12	1	**100-6531**	1	FAN-ALTERNATOR (11-BLADE)	
	13	1	**5P-3419**	1	RACE-BEARING INNER	
	15	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	16	1	**6N-1945**	1	COIL AS-FIELD	
	17	1	**9X-2500**	4	SCREW-HEX FLANGE (10-24X38.1-MM)	
	18	1	**9N-3388**	5	BOLT (10-24X0.75-IN)	
	19	1	**100-6532**	1	COLLAR-ALTERNATOR	
	20	1	**9S-2009**	4	BOLT-FLANGE HEAD (10-24X3.625-IN)	
	21	2	**6N-1944**	1	DIODE AS	
	22	2	**6N-1870**	2	SCREW AS (8-32X34-MM)	
	23	2	**8T-0328**	2	WASHER-HARD (5.5X10X1-MM THK)	
	24	2	**9S-2544**	7	SCREW-HEX HEAD (8-32X11.13-MM)	
	25	2	**9B-7233**	11	LOCKWASHER	
	26	2	**4B-2043**	4	NUT (8-32-THD)	
	27	2	**6V-8187**	2	NUT (1/4-28-THD)	
	28	2	**1H-3244**	2	LOCKWASHER	
	29	2	**6N-1925**	1	BRACKET	
	30	2	**6N-1946**	1	CAPACITOR AS	
	31	2	**6N-1872**	3	SCREW AS (8-32X1.25-IN)	
	32	2	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	33	2	**6N-1873**	1	LEAD AS	
	34	2	**2L-8075**	3	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
	35	2	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	36	2	**6N-1871**	1	LEAD AS	
	37	2	**8M-6701**	3	WASHER (0.281X0.5X0.032-IN THK)	
	38	2	**6N-1856**	4	BUSHING-TERMINAL	
					AVAILABLE REPAIR KIT(S):	
			6N-1875	1	KIT-OUTPUT TERMINAL (ALTERNATOR)	
					(INCLUDES TERMINAL, LEAD ASSEMBLY, BUSHING, WASHERS, NUTS AND LOCKWASHERS)	
			105-3762	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES TERMINAL ASSEMBLY, INSULATOR, BUSHING, WASHER, NUTS AND LOCKWASHERS)	

4N-3986 **ALTERNATOR GP-CHARGING** *(contd.)* **i03507497**



GRAPHIC #1

g01852654



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

VIEW B-B

GRAPHIC #2 **<END>** g01117023

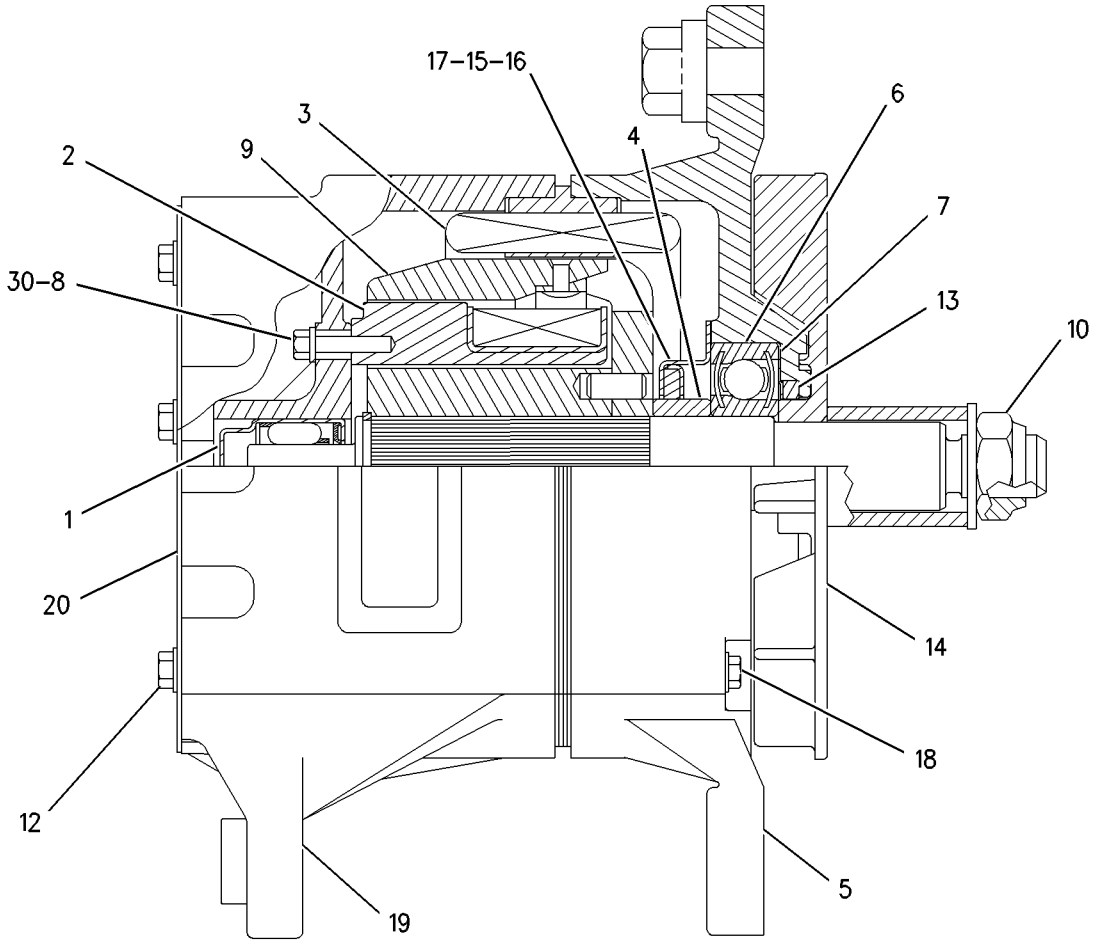
ELECTRICAL AND STARTING SYSTEM

5N-5692 ALTERNATOR GP-CHARGING*R

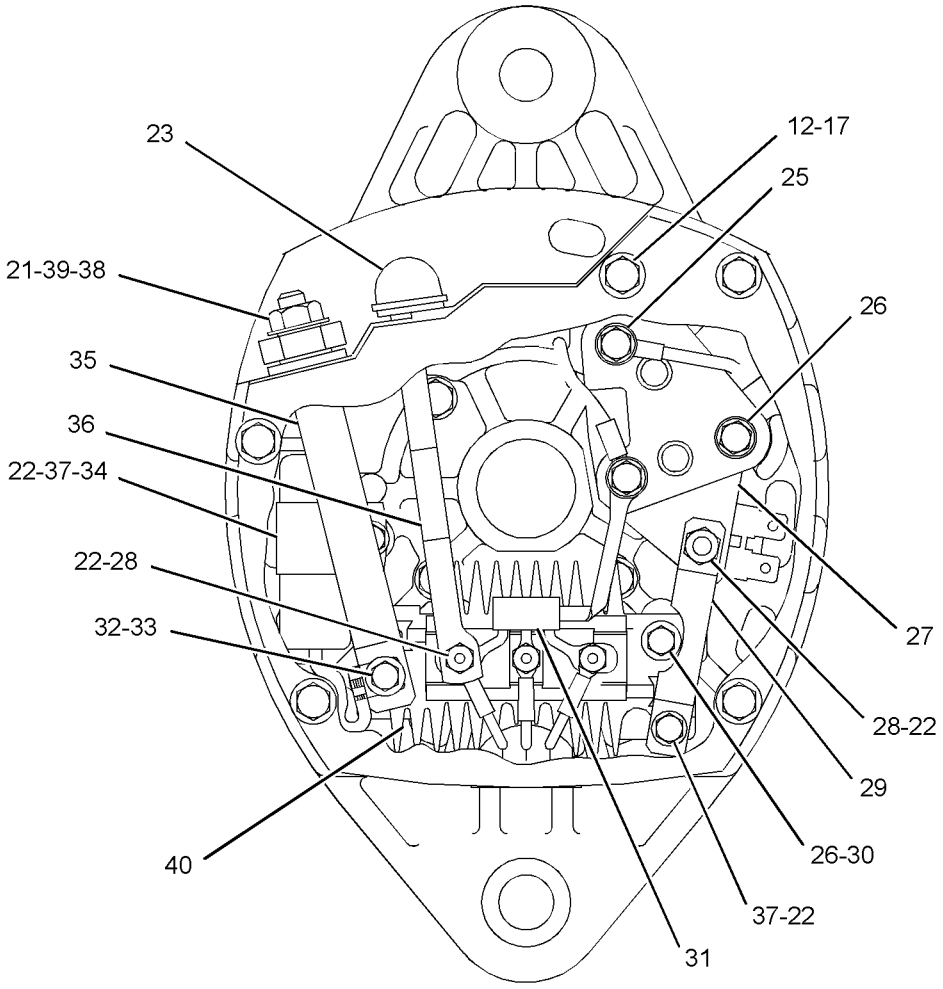
24-VOLT, 45-AMPERE
AN ATTACHMENT
TYPE 1

SMCS-1405 **i03425644**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5P-6920**	1	BEARING-ROLLER	
	2	1	**7N-7806**	1	COIL AS-FIELD	
	3	1	**9G-5578**	1	STATOR AS (24-VOLT) (24-VOLT)	
	4	1	**7N-7795**	1	COLLAR	
	5	1	**7N-7810**	1	FRAME AS-DRIVE END	
	6	1	**6V-2202**	1	BALL BEARING	
	7	1	**9L-2140**	1	PLATE	
	8	1	**7X-3353**	4	SCREW-HEX HEAD (10X24X19.05-MM)	
	9	1	**7N-7800**	1	ROTOR AS	
	10	1	**187-2034**	1	NUT-FLANGE (5/8-18-THD)	
	12	1,2	**030-9612**	5	SCREW-FORMING (10-24X0.5-IN)	
	13	1	**9L-2139**	1	WASHER-FELT (1.31X1.68X0.125-IN THK)	
	14	1	**3E-5454**	1	FAN-ALTERNATOR (11-BLADE)	
	15	1	**9S-2437**	3	SCREW-TAPPING (10-24X19.05-MM)	
	16	1	**9L-2137**	1	RETAINER AS	
	17	1,2	**8F-1434**	4	LOCKWASHER	
	18	1	**7N-9024**	4	BOLT (10-24X2.5-IN)	
	19	1	**7N-7805**	1	HOUSING	
	20	1	**7N-7809**	1	PLATE	
	21	2	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	22	2	**9B-7233**	6	LOCKWASHER	
	23	2	**9L-6770**	1	CAP-DUST	
	25	2	**6N-1872**	2	SCREW AS (8-32X1.25-IN)	
	26	2	**7N-9023**	2	SCREW AS (8-32X26.9-MM)	
	27	2	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	28	2	**6V-8377**	4	NUT (8-32-THD)	
	29	2	**7N-7811**	1	CONNECTOR	
	30	1,2	**8T-0328**	6	WASHER-HARD (5.5X10X1-MM THK)	
	31	2	**112-9119**	1	DIODE AS-ALTERNATOR	
	32	2	**7N-9021**	1	SCREW AS (8-32X1.34-IN)	
	33	2	**7N-7796**	1	BUSHING-TERMINAL	
	34	2	**7N-7802**	1	CAPACITOR AS	
	35	2	**7N-7798**	1	CONNECTOR	
	36	2	**7N-7801**	1	CONNECTOR	
	37	2	**9S-2544**	2	SCREW-HEX HEAD (8-32X11.13-MM)	
	38	2	**1H-3244**	1	LOCKWASHER	
	39	2	**6V-8187**	1	NUT (1/4-28-THD)	
	40	2	**206-4202**	1	RECTIFIER AS	
					AVAILABLE REPAIR KIT(S):	
			7N-7807	1	KIT-OUTPUT TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATOR, SCREWS, WASHERS, LOCKWASHERS, NUTS AND ADAPTERS)	
			7N-7808	1	KIT-RELAY TERMINAL (ALTERNATOR)	
					(INCLUDES STUDS, BUSHINGS, WASHERS AND NUT AS)	



GRAPHIC #1 g01313047



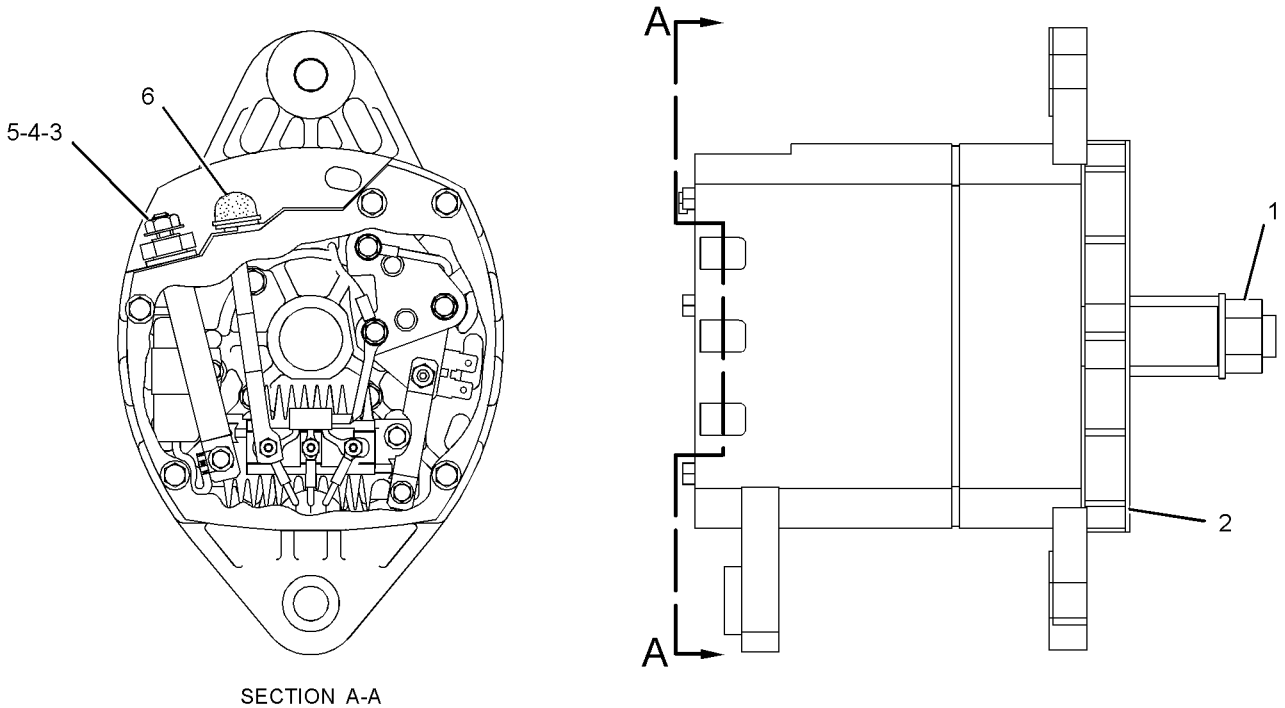
GRAPHIC #2 **<END>** g01313052

5N-5692 ALTERNATOR GP-CHARGING*R

24-VOLT, 45-AMPERE
AN ATTACHMENT
TYPE 2

SMCS-1405 **i03655525**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**187-2034**	1	NUT-FLANGE (5/8-18-THD)	
	2	1	**3E-5454**	1	FAN-ALTERNATOR (11-BLADE)	
	3	1	**6V-8187**	1	NUT (1/4-28-THD)	
	4	1	**1H-3244**	1	LOCKWASHER	
	5	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	6	1	**9L-6770**	1	CAP-DUST	



SECTION A-A

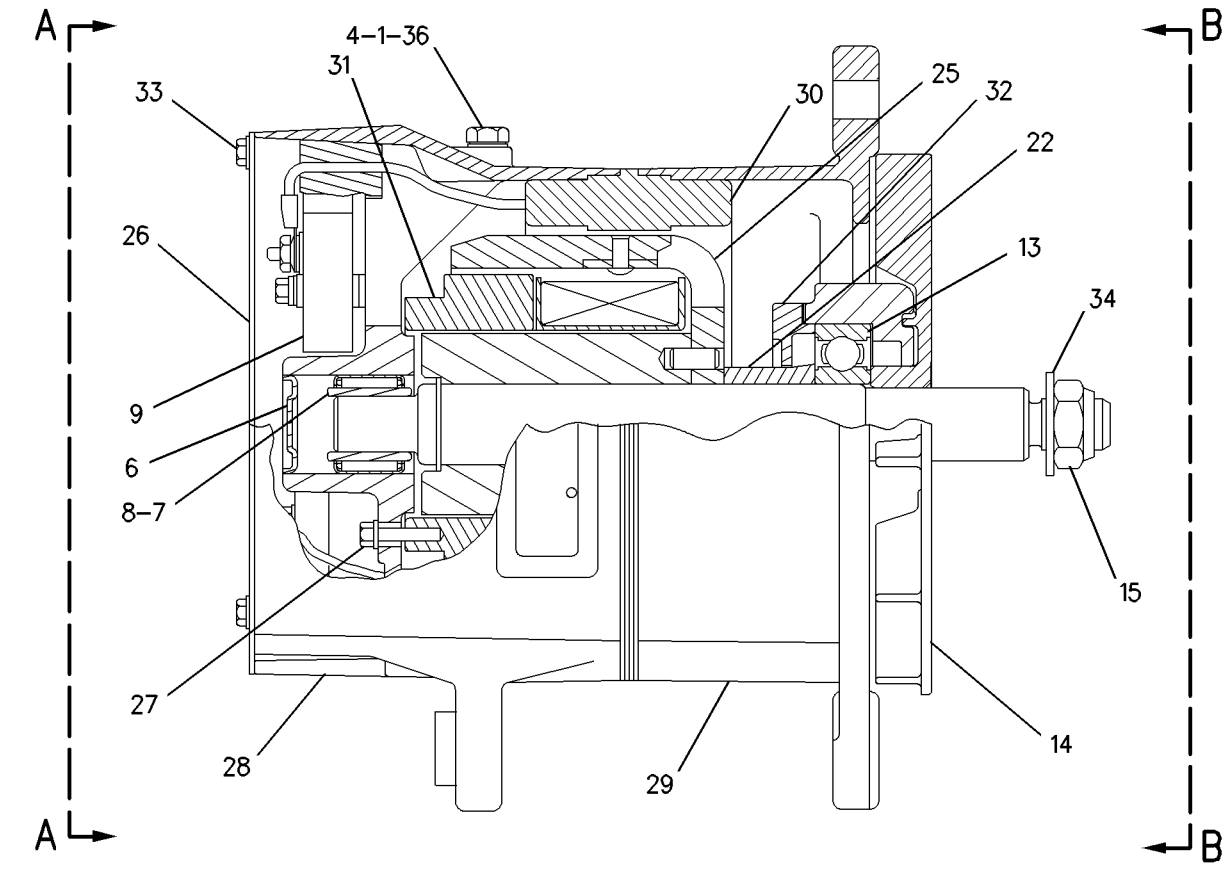
GRAPHIC #1 **<END>** g01947385

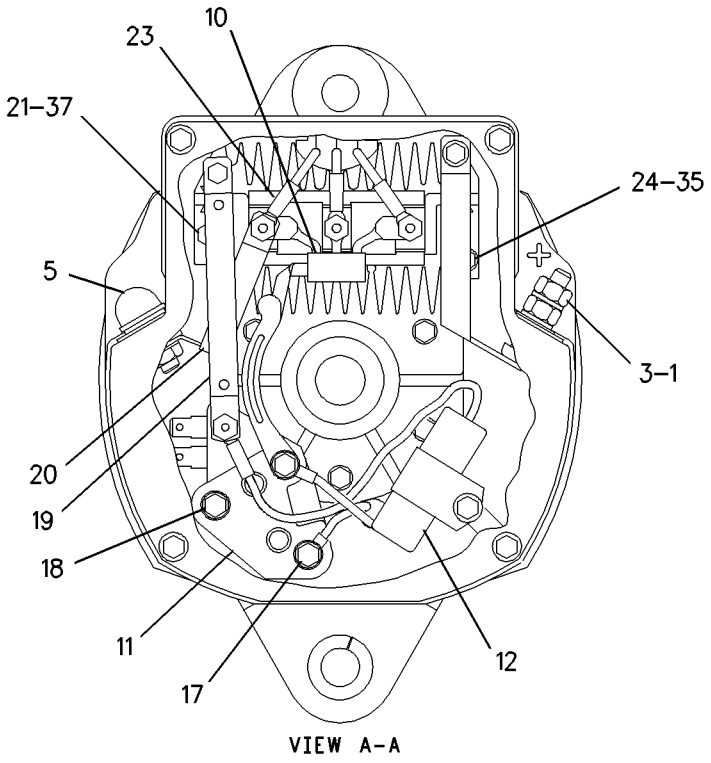
9X-7803 ALTERNATOR GP-CHARGING*R

24-VOLT, 100-AMPERE. BRUSHLESS, REQUIRES 2300 RPM MINIMUM IDLE SPEED
FIELD REPLACEMENT ORDER 316-7251—PAGE 831. OPTIONAL FIELD REPLACEMENT ORDER 197-8820—PAGE 825
AN ATTACHMENT

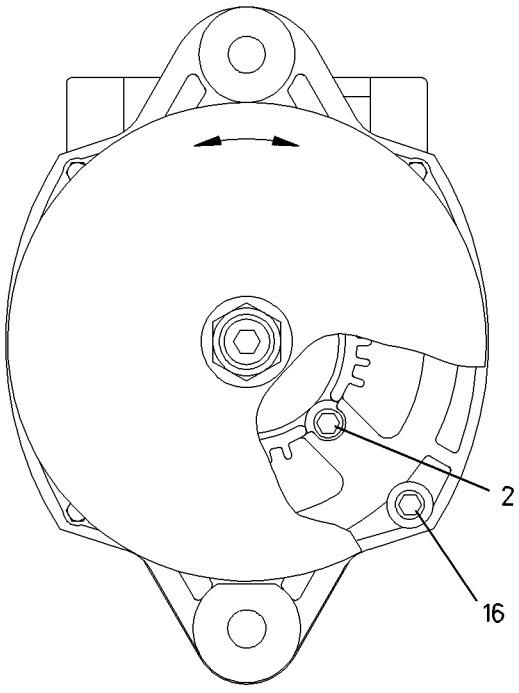
SMCS-1405 **i03630122**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	2	1	**9X-2500**	4	SCREW-HEX FLANGE (10-24X38.1-MM)	
	3	1	**6V-8187**	1	NUT (1/4-28-THD)	
	4	1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
	5	1	**9L-6770**	1	CAP-DUST (ALTERNATOR RELAY TERMINAL)	
	6	1	**9N-0943**	1	PLUG-BEARING WELL	
	7	1	**5P-3418**	1	BEARING-ROLLER	
	8	1	**5P-3419**	1	RACE-BEARING INNER	
	9	1	**9L-6776**	1	RECTIFIER AS	
	10	1	**6N-1944**	1	DIODE AS	
	11	1	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	12	1	**105-3763**	1	CAPACITOR AS-ALTERNATOR	
	13	1	**5P-7807**	1	BALL BEARING	
	14	1	**100-6531**	1	FAN-ALTERNATOR (11-BLADE)	
	15	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	16	1	**9S-2009**	4	BOLT-FLANGE HEAD (10-24X3.625-IN)	
	17	1	**6N-1872**	2	SCREW AS (8-32X1.25-IN)	
	18	1	**7N-9023**	1	SCREW AS (8-32X26.9-MM)	
	19	1	**106-7689**	1	CONNECTOR-ALTERNATOR	
	20	1	**106-7690**	1	CONNECTOR-ALTERNATOR	
	21	1	**9S-2544**	2	SCREW-HEX HEAD (8-32X11.13-MM)	
	22	1	**100-6532**	1	COLLAR-ALTERNATOR	
	23	1	**2L-8075**	3	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
	24	1	**7N-9021**	2	SCREW AS (8-32X1.34-IN)	
	25	1	**9S-2302**	1	ROTOR AS	
	26	1	**9N-0942**	1	PLATE-COVER	
	27	1	**9N-3388**	5	BOLT (10-24X0.75-IN)	
	28	1	**106-7687**	1	HOUSING AS-ALTERNATOR	
	29	1	**2P-5616**	1	FRAME-DRIVE END	
	30	1	**8T-9762**	1	STATOR AS	
	31	1	**202-2703**	1	COIL AS	
	32	1	**9S-2390**	1	RETAINER	
	33	1	**030-9612**	4	SCREW-FORMING (10-24X0.5-IN)	
	34	1	**187-2034**	1	NUT-FLANGE (5/8-18-THD)	
	35	1	**8T-0328**	2	WASHER-HARD (5.5X10X1-MM THK)	
	36	1	**1H-3244**	2	LOCKWASHER	
	37	1	**9B-7233**	2	LOCKWASHER	
					AVAILABLE REPAIR KIT(S):	
			9S-2013	1	KIT-RELAY TERMINAL (ALTERNATOR)	
					(INCLUDES BUSHING, WASHERS, NUT AS, & STUD)	
			105-3764	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES TERMINAL AS, INSULATOR, BUSHING, WASHER, NUTS & LOCKWASHERS)	





VIEW A–A



VIEW B–B

GRAPHIC #1 **<END>** g00741720

ELECTRICAL AND STARTING SYSTEM

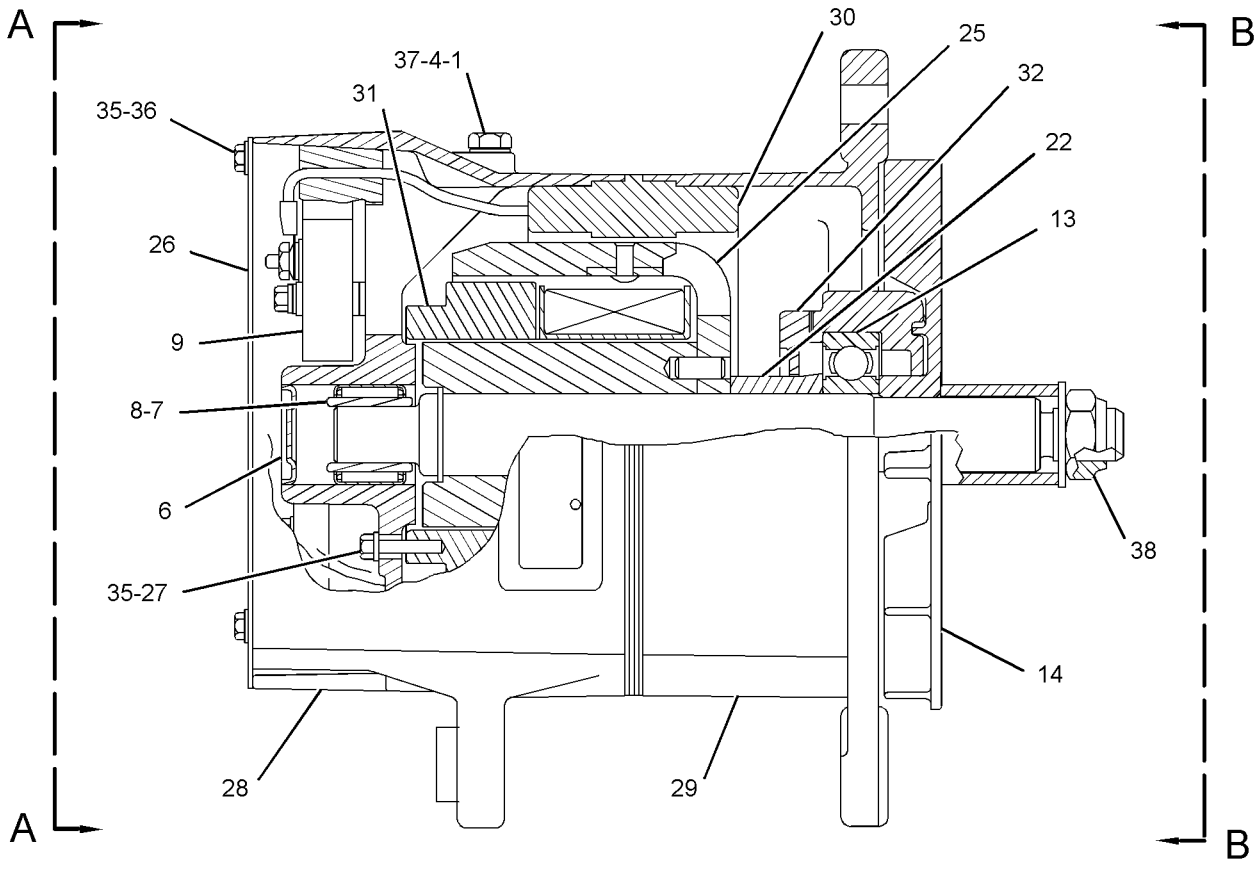
114-2401 ALTERNATOR GP-CHARGING*R

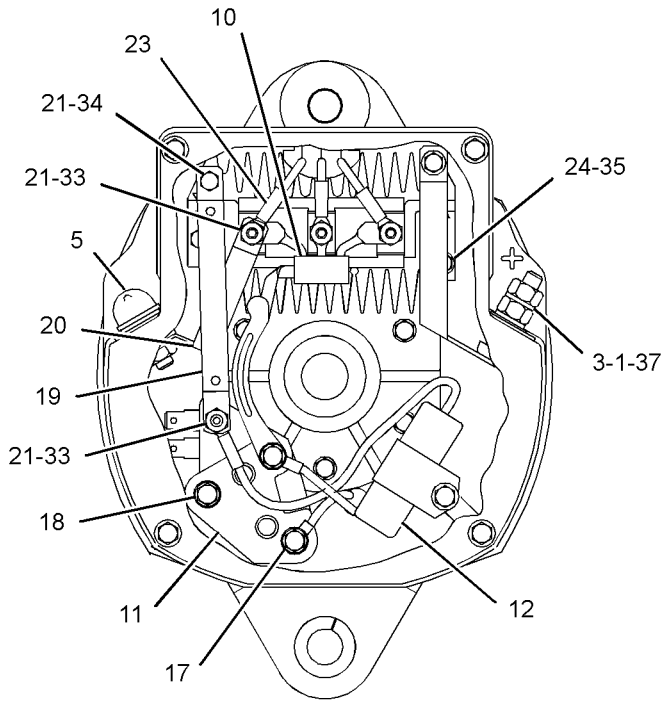
24-VOLT, 75-AMPERE
FIELD REPLACEMENT ORDER 177-9953—PAGE 821
AN ATTACHMENT

SMCS-1405 **i03467863**

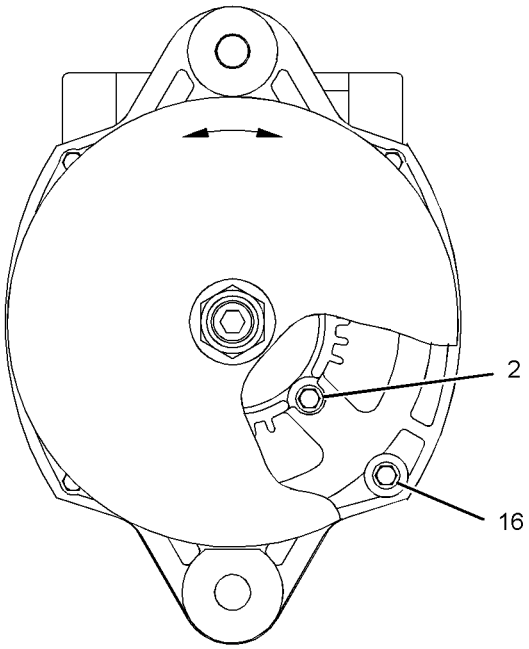
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	2	1	**9X-2500**	4	SCREW-HEX FLANGE (10-24X38.1-MM)	
	3	1	**6V-8187**	1	NUT (1/4-28-THD)	
	4	1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
	5	1	**9L-6770**	1	CAP-DUST	
	6	1	**9N-0943**	1	PLUG-BEARING WELL	
	7	1	**5P-3418**	1	BEARING-ROLLER	
	8	1	**5P-3419**	1	RACE-BEARING INNER	
	9	1	**9L-6776**	1	RECTIFIER AS	
	10	1	**6N-1944**	1	DIODE AS	
	11	1	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT)	
	12	1	**105-3763**	1	CAPACITOR AS-ALTERNATOR	
	13	1	**5P-7807**	1	BALL BEARING	
	14	1	**100-6531**	1	FAN-ALTERNATOR (11-BLADE)	
	16	1	**9S-2009**	4	BOLT-FLANGE HEAD (10-24X3.625-IN)	
	17	1	**6N-1872**	2	SCREW AS (8-32X1.25-IN)	
	18	1	**7N-9023**	1	SCREW AS (8-32X26.9-MM)	
	19	1	**106-7689**	1	CONNECTOR-ALTERNATOR	
	20	1	**106-7690**	1	CONNECTOR-ALTERNATOR	
	21	1	**9B-7233**	6	LOCKWASHER	
	22	1	**100-6532**	1	COLLAR-ALTERNATOR	
	23	1	**2L-8075**	3	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
	24	1	**7N-9021**	2	SCREW AS (8-32X1.34-IN)	
	25	1	**9S-2302**	1	ROTOR AS	
	26	1	**9N-0942**	1	PLATE-COVER	
	27	1	**7X-3353**	5	SCREW-HEX HEAD (10X24X19.05-MM)	
	28	1	**106-7687**	1	HOUSING AS-ALTERNATOR	
	29	1	**2P-5616**	1	FRAME-DRIVE END	
	30	1	**117-9690**	1	STATOR AS-ALTERNATOR	
	31	1	**6N-1945**	1	COIL AS-FIELD	
	32	1	**9S-2390**	1	RETAINER	
	33	1	**4B-2043**	4	NUT (8-32-THD)	
	34	1	**9S-2544**	2	SCREW-HEX HEAD (8-32X11.13-MM)	
	35	1	**8T-0328**	11	WASHER-HARD (5.5X10X1-MM THK)	
	36	1	**030-9612**	4	SCREW-FORMING (10-24X0.5-IN)	
	37	1	**1H-3244**	2	LOCKWASHER	
C	38	1	**187-2034**	1	NUT-FLANGE (5/8-18-THD)	
					AVAILABLE REPAIR KIT(S):	
			9S-2013	1	KIT-RELAY TERMINAL (ALTERNATOR)	
					(INCLUDES BUSHING, WASHERS, NUT AS & STUD)	
			105-3764	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES TERMINAL AS, INSULATOR, BUSHING, WASHER, NUTS & LOCKWASHERS)	

C-CHANGE FROM PREVIOUS TYPE





VIEW A-A



VIEW B-B

GRAPHIC #1 **<END>** g01809415

ELECTRICAL AND STARTING SYSTEM

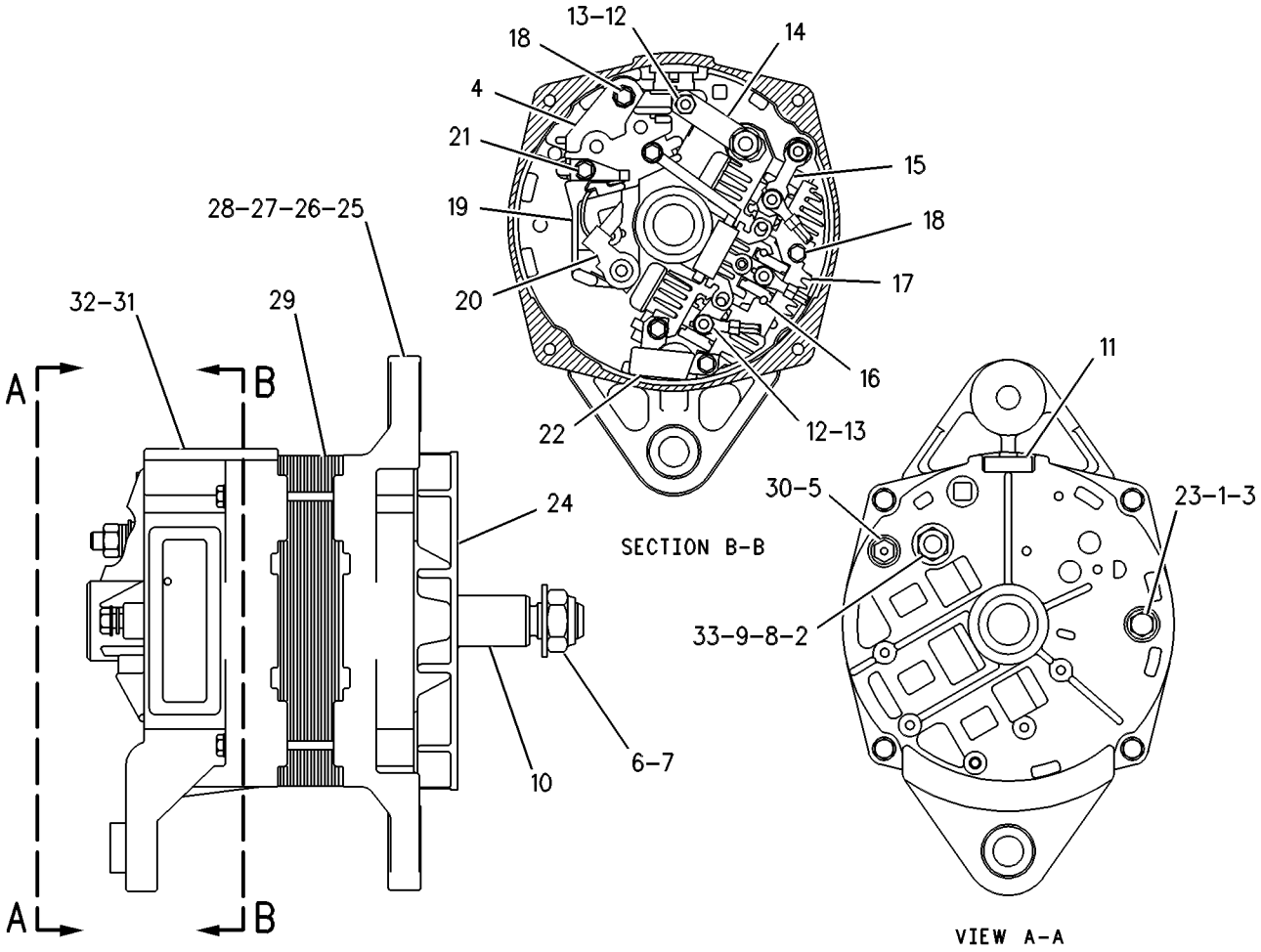
121-4134 ALTERNATOR GP-CHARGING*R

12-VOLT, 115-AMPERE
AN ATTACHMENT

SMCS-1405 **i02698709**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1H-3244**	1	LOCKWASHER	
	2	1	**6V-8189**	1	NUT (5/16-18-THD)	
	3	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	4	1	**3E-5451**	1	REGULATOR AS-VOLTAGE (12-VOLT) (ALTERNATOR)	
	5	1	**9L-6770**	1	CAP-DUST	
	6	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	7	1	**7F-7621**	1	WASHER (0.635X1.25X0.09-IN THK)	
	8	1	**8T-4224**	1	WASHER-HARD (8.8X16X2-MM THK)	
	9	1	**3F-9556**	1	LOCKWASHER	
	10	1	**137-4936**	1	ROTOR AS-ALTERNATOR	
	11	1	**3E-5450**	1	COVER	
	12	1	**4B-2043**	4	NUT (8-32-THD)	
	13	1	**9B-7233**	4	LOCKWASHER	
	14	1	**3E-5448**	1	CONNECTOR	
	15	1	**3E-5446**	1	CONNECTOR	
	16	1	**3E-5457**	1	DIODE AS	
	17	1	**3E-5461**	1	RECTIFIER AS	
	18	1	**7N-9023**	3	SCREW AS (8-32X26.9-MM)	
	19	1	**3E-5460**	1	HOLDER AS-BRUSH	
	20	1	**3E-5459**	2	BRUSH AS-ALTERNATOR	
	21	1	**3N-3718**	2	SCREW AS	
	22	1	**3E-5458**	1	CAPACITOR AS-ALTERNATOR	
	23	1	**4M-5281**	1	BOLT (1/4-20X0.75-IN)	
	24	1	**3E-5454**	1	FAN-ALTERNATOR	
	25	1	**3E-5455**	1	HOUSING	
	26	1	**5P-7807**	1	BALL BEARING	
	27	1	**3E-5447**	1	PLATE	
	28	1	**030-9612**	3	SCREW-FORMING (10-24X0.5-IN)	
	29	1	**3E-5452**	1	STATOR AS	
	30	1	**132-1230**	1	KIT-ALTERNATOR TERMINAL (RELAY)	
					(INCLUDES INSULATOR, WASHER, NUT AND TERMINAL)	
	31	1	**132-1224**	1	FRAME AS-ALTERNATOR	
	32	1	**5P-6920**	1	BEARING-ROLLER	
	33	1	**3E-5462**	1	KIT-ALTERNATOR TERMINAL (BATTERY)	
					(INCLUDES INSULATOR, LOCKWASHER, NUTS AND TERMINAL)	

121-4134 **ALTERNATOR GP-CHARGING** *(contd.)* **i02698709**



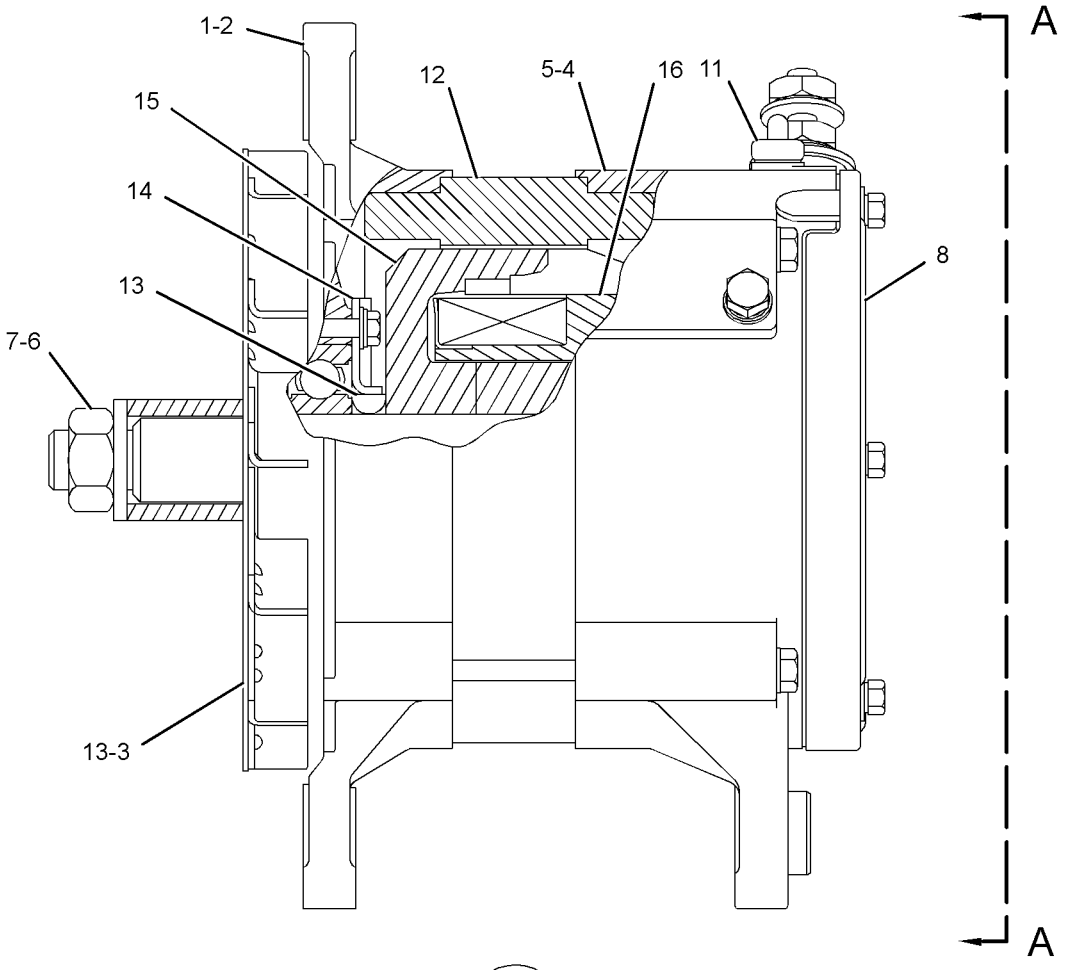
GRAPHIC #1 **<END>** g00266002

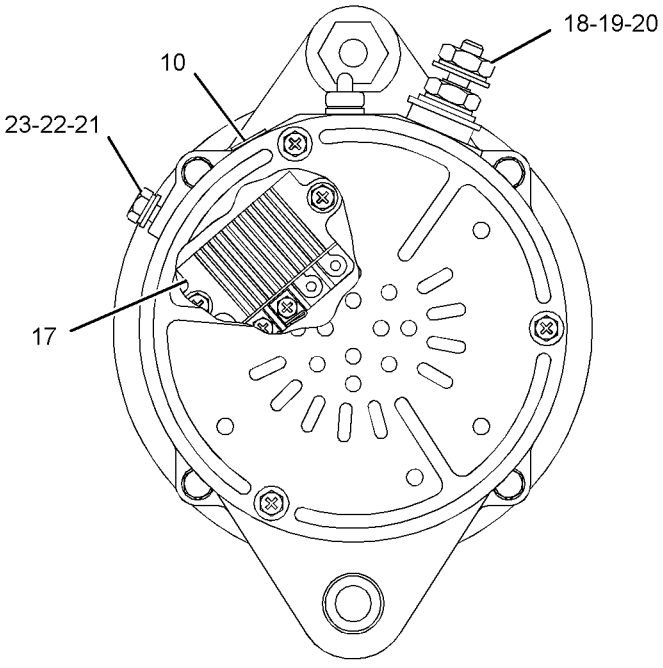
169-3345 ALTERNATOR GP-CHARGING*R

24-VOLT, 50-AMPERE
AN ATTACHMENT

SMCS-1405 **i03627048**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**185-2653**	1	FRAME	
	2	1	**185-2652**	1	FRAME AS	
	3	1	**185-2639**	1	FAN AS (ALTERNATOR)	
	4	1	**185-2640**	1	FRAME AS	
	5	1	**185-2645**	1	FRAME	
	6	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	7	1	**5P-8247**	1	WASHER-HARD (17X32X3.5-MM THK)	
	8	1	**185-2651**	1	COVER	
	10	1	**185-2647**	1	GROMMET	
	11	1	**9L-6770**	1	CAP-DUST	
	12	1	**190-0065**	1	STATOR AS-ALTERNATOR	
	13	1	**185-2638**	2	COLLAR	
	14	1	**185-2654**	1	PLATE	
	15	1	**185-2650**	1	ROTOR AS (ALTERNATOR)	
	16	1	**185-2644**	1	COIL AS	
	17	1	**185-2648**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	18	1	**6V-8189**	1	NUT (5/16-18-THD)	
	19	1	**8T-4224**	1	WASHER-HARD (8.8X16X2-MM THK)	
	20	1	**3F-9556**	1	LOCKWASHER	
	21	1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
	22	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	23	1	**1H-3244**	1	LOCKWASHER	
					AVAILABLE REPAIR KIT(S):	
			185-2655	1	KIT-BEARING (ALTERNATOR)	
					(INCLUDES BEARINGS)	
			199-8436	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES HOLDER AS, PLATE, INSULATOR, PIN, BOLT KITS, GROMMET & NUT)	
			199-7891	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATORS, WASHERS & NUTS)	
			185-2658	1	KIT-HARDWARE (ALTERNATOR)	
					(INCLUDES BOLT KITS)	





VIEW A-A

GRAPHIC #1 **<END>** g01946223

ELECTRICAL AND STARTING SYSTEM

177-9953 ALTERNATOR GP-CHARGING*R

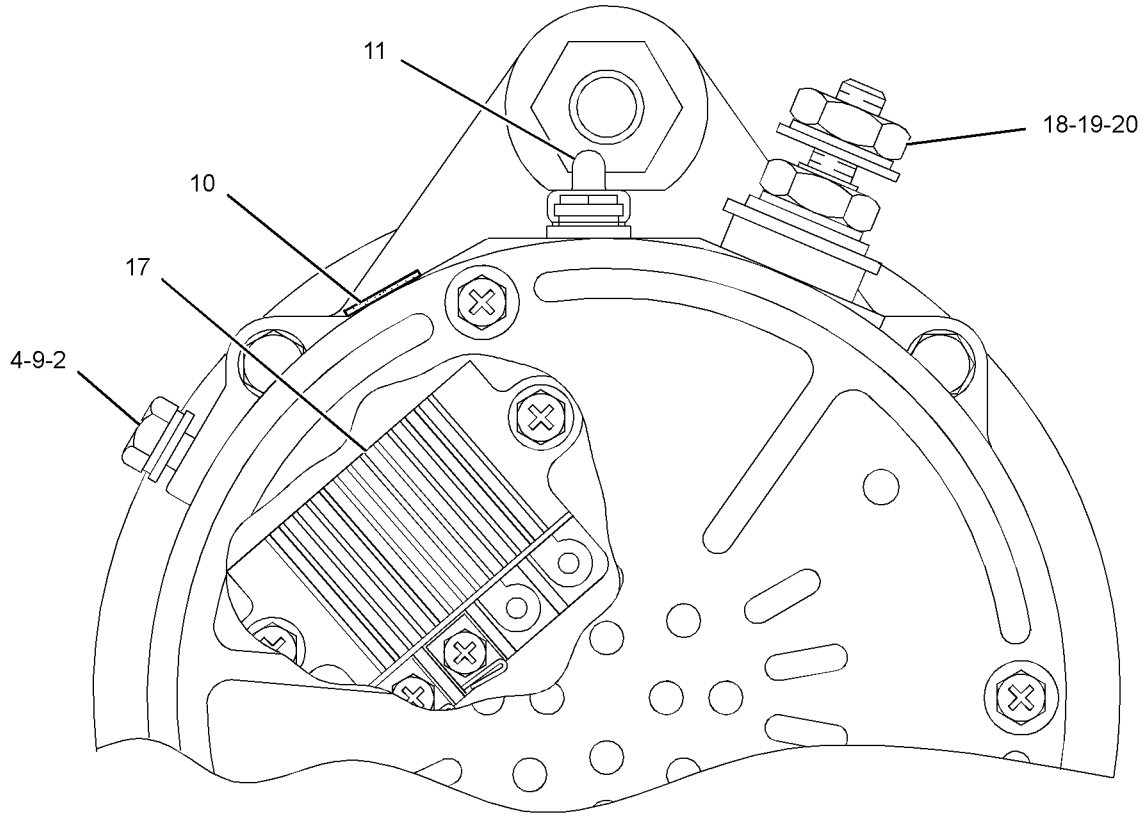
24-VOLT, 80-AMPERE
PART OF 235-2471 ALTERNATOR GP-CHARGING
FIELD REPLACEMENT FOR 114-2401—PAGE 815
AN ATTACHMENT

SMCS-1405 **i02643421**

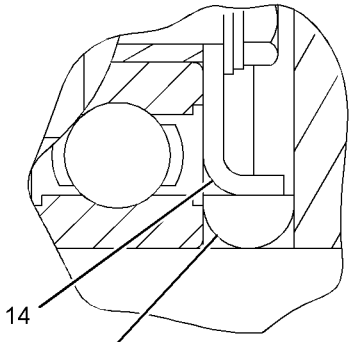
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**185-2653**	1	FRAME	
	2	1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
	3	1	**185-2639**	1	FAN AS (ALTERNATOR)	
	4	1	**1H-3244**	1	LOCKWASHER	
	5	1	**185-2645**	1	FRAME	
	6	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	7	1	**5P-8247**	1	WASHER-HARD (17X32X3.5-MM THK)	
	8	1	**185-2651**	1	COVER	
	9	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	10	1	**185-2647**	1	GROMMET	
	11	1	**9L-6770**	1	CAP-DUST	
	12	1	**185-2643**	1	STATOR AS (ALTERNATOR)	
	13	1	**185-2638**	2	COLLAR	
	14	1	**185-2654**	1	PLATE	
	15	1	**185-2650**	1	ROTOR AS (ALTERNATOR)	
	16	1	**185-2644**	1	COIL AS	
	17	1	**185-2648**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
J	18	1	**6V-8189**	1	NUT (5/16-18-THD)	
J	19	1	**8T-4224**	1	WASHER-HARD (8.8X16X2-MM THK)	
J	20	1	**3F-9556**	1	LOCKWASHER	
					AVAILABLE REPAIR KIT(S):	
J			**199-7891**	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATORS, WASHERS, NUT & STEP NUT)	
			185-2655	1	KIT-BEARING (ALTERNATOR)	
					(INCLUDES 3 BEARINGS)	
			199-8436	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES HOLDER AS, PLATE, INSULATOR, PIN, BOLT, GROMMET & NUT)	
			185-2658	1	KIT-HARDWARE (ALTERNATOR)	
					(INCLUDES BOLTS)	

J-KIT MARKED J SERVICES PARTS MARKED J

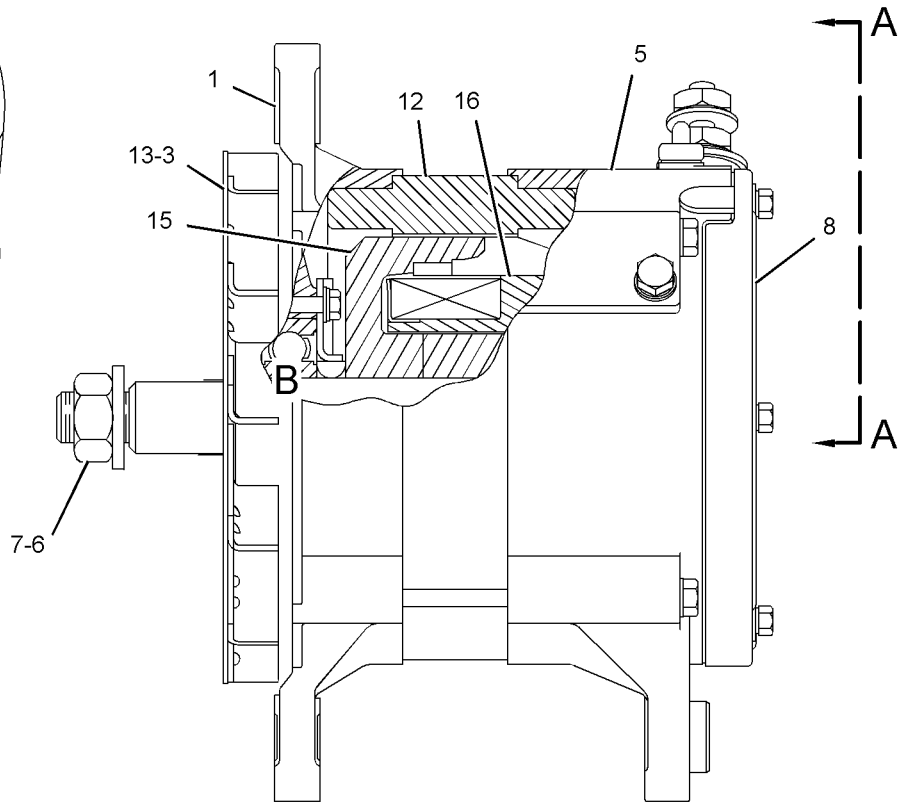
177-9953 ALTERNATOR GP-CHARGING *(contd.)* i02643421



VIEW A-A



VIEW OF AREA B



GRAPHIC #1

<END>

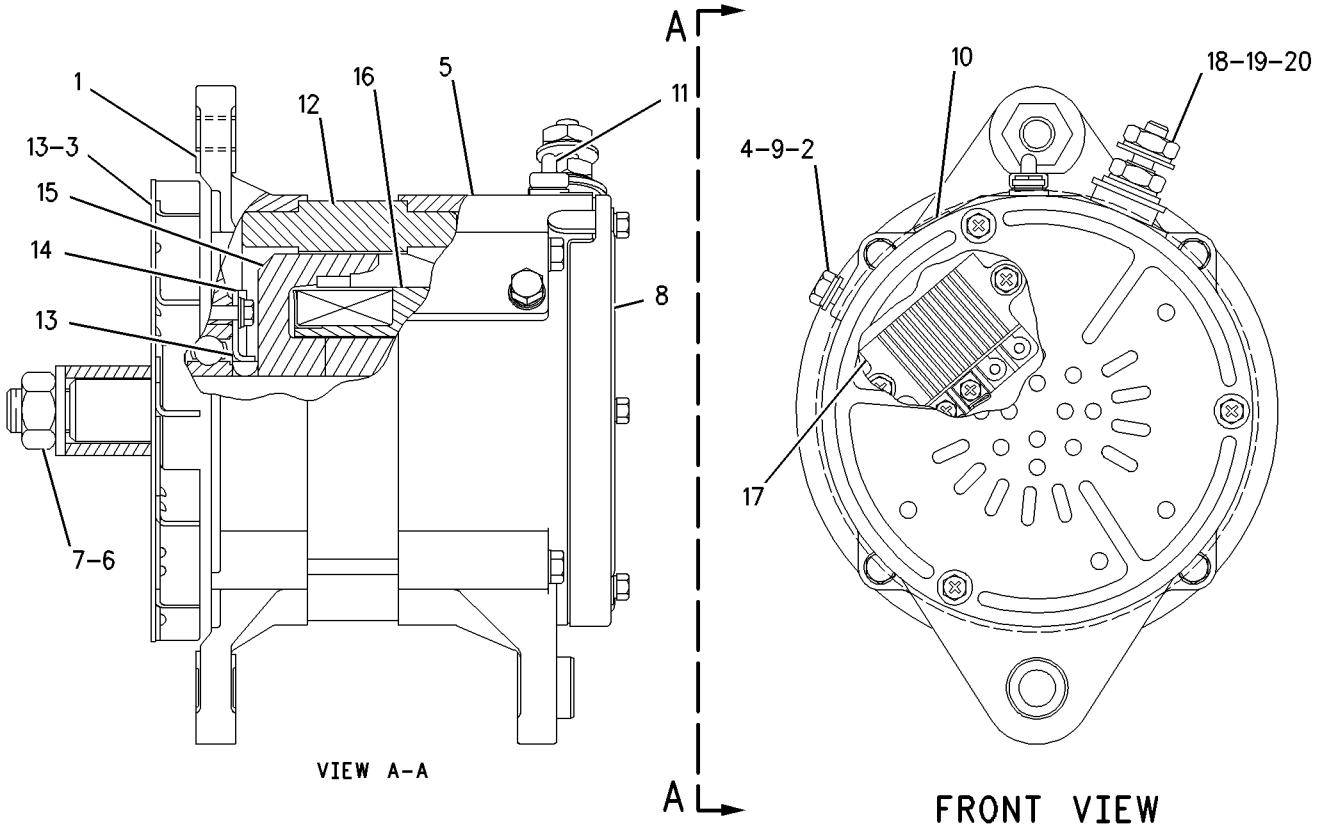
g01151601

185-5294 ALTERNATOR GP-CHARGING*R

24-VOLT, 65-AMPERE
AN ATTACHMENT

SMCS-1405 **i03642377**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**185-2653**	1	FRAME	
	2	1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
	3	1	**185-2639**	1	FAN AS	
	4	1	**1H-3244**	1	LOCKWASHER	
	5	1	**185-2645**	1	FRAME	
	6	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	7	1	**5P-8247**	1	WASHER-HARD (17X32X3.5-MM THK)	
	8	1	**185-2651**	1	COVER	
	9	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	10	1	**185-2647**	1	GROMMET	
	11	1	**9L-6770**	1	CAP-DUST	
	12	1	**185-2642**	1	STATOR AS	
	13	1	**185-2638**	2	COLLAR	
	14	1	**185-2654**	1	PLATE	
	15	1	**185-2650**	1	ROTOR AS	
	16	1	**185-2644**	1	COIL AS	
	17	1	**185-2648**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	18	1	**6V-8189**	1	NUT (5/16-18-THD)	
	19	1	**8T-4224**	1	WASHER-HARD (8.8X16X2-MM THK)	
	20	1	**3F-9556**	1	LOCKWASHER	
					AVAILABLE REPAIR KIT(S):	
			185-2655	1	KIT-BEARING (ALTERNATOR)	
					(INCLUDES 2 BEARINGS)	
			199-8436	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES HOLDER AS, PLATE, INSULATOR, PIN, BOLT, GROMMET, & NUT)	
			199-7891	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATORS, WASHERS & NUT)	
			185-2658	1	KIT-HARDWARE (ALTERNATOR)	
					(INCLUDES BOLTS)	



GRAPHIC #1 **<END>** g00806894

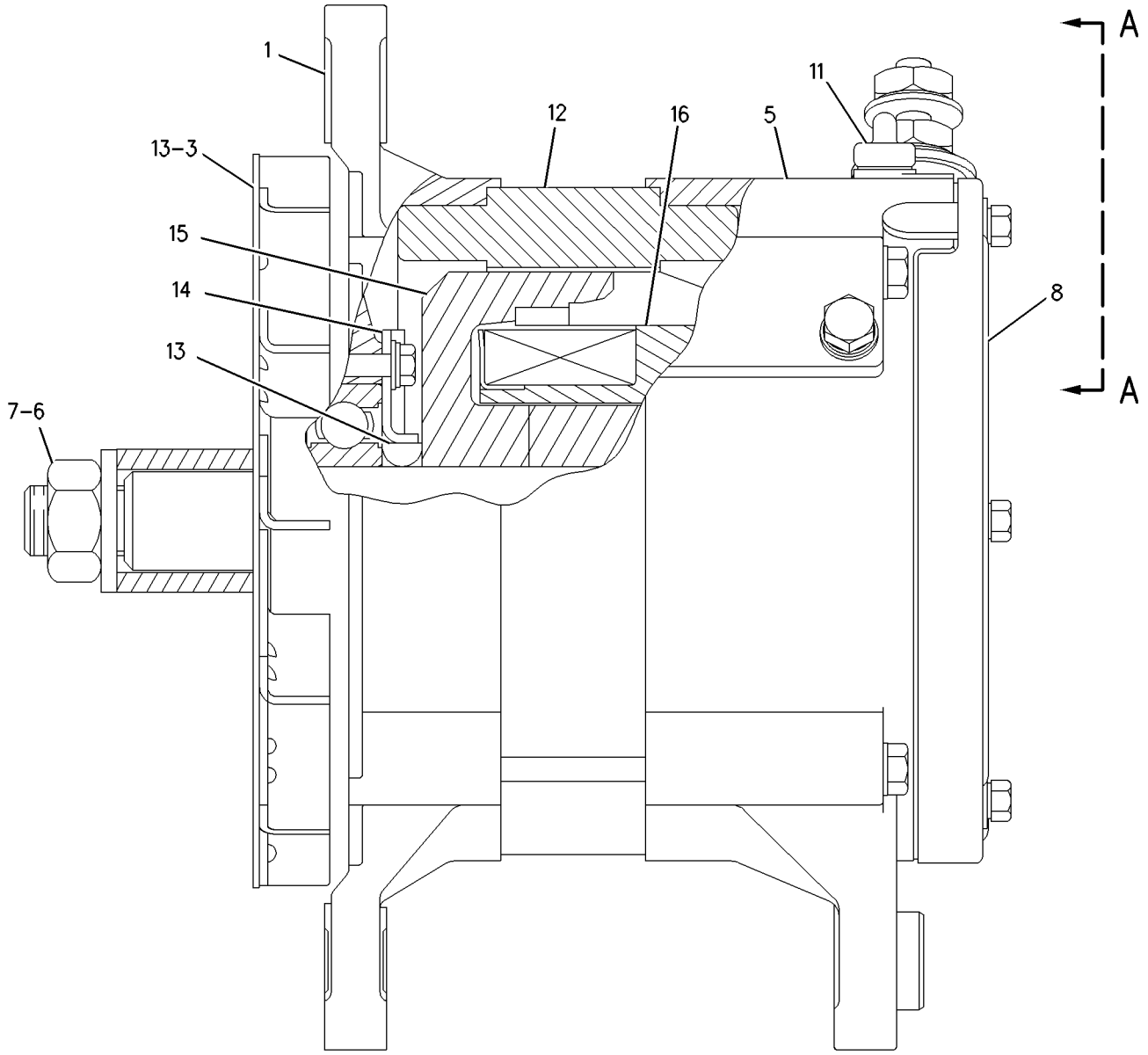
ELECTRICAL AND STARTING SYSTEM

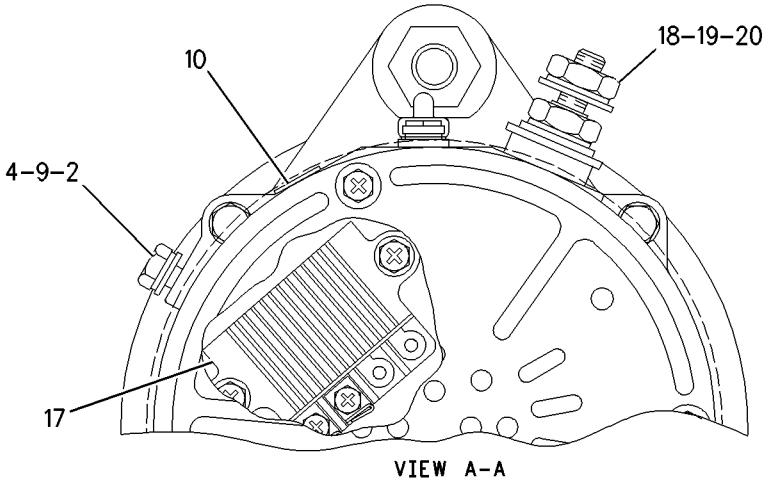
197-8820 ALTERNATOR GP-CHARGING—24-VOLT, 95-AMPERE*R

AN ATTACHMENT

SMCS-1405 **i03565999**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**185-2653**	1	FRAME	
	2	1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
	3	1	**185-2639**	1	FAN AS	
	4	1	**1H-3244**	1	LOCKWASHER	
	5	1	**185-2645**	1	FRAME	
	6	1	**2K-4821**	1	LOCKNUT (5/8-18-THD)	
	7	1	**5P-8247**	1	WASHER-HARD (17X32X3.5-MM THK)	
	8	1	**185-2651**	1	COVER	
	9	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	10	1	**185-2647**	1	GROMMET	
	11	1	**9L-6770**	1	CAP-DUST	
	12	1	**205-0626**	1	STATOR AS-ALTERNATOR	
	13	1	**185-2638**	2	COLLAR	
	14	1	**185-2654**	1	PLATE	
	15	1	**185-2650**	1	ROTOR AS (ALTERNATOR)	
	16	1	**185-2644**	1	COIL AS	
	17	1	**185-2648**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	18	1	**6V-8189**	1	NUT (5/16-18-THD)	
	19	1	**8T-4224**	1	WASHER-HARD (8.8X16X2-MM THK)	
	20	1	**3F-9556**	1	LOCKWASHER	
					AVAILABLE REPAIR KIT(S):	
			185-2655	1	KIT-BEARING (ALTERNATOR)	
					(INCLUDES BEARINGS)	
			199-8436	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES HOLDER AS, PLATE, INSULATOR, PIN, BOLTS, GROMMET & NUT)	
			199-7891	1	KIT-TERMINAL (ALTERNATOR)	
					(INCLUDES INSULATORS, WASHERS & NUTS)	
			185-2658	1	KIT-HARDWARE (ALTERNATOR)	
					(INCLUDES BOLTS)	





VIEW A-A

GRAPHIC #1 **<END>** g00873198

215-5568 ALTERNATOR GP-CHARGING

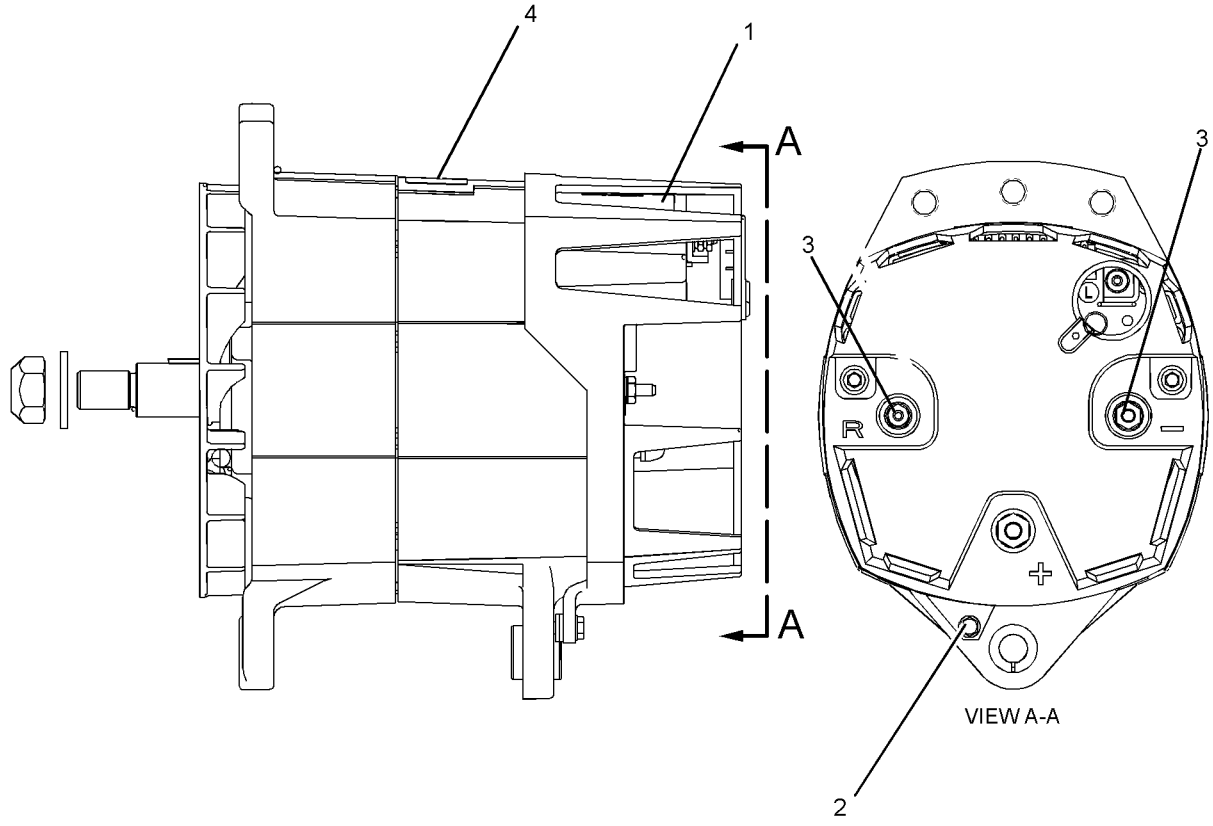
24-VOLT, 150-AMPERE, WITH DEBRIS GUARD

AN ATTACHMENT

SMCS-1405 **i02631239**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**198-0971**	1	GUARD	
	2	1	**045-4065**	1	SCREW-MACHINE (10-32X0.75-IN)	
	3	1	**6V-5764**	2	SCREW-MACHINE (10-32X0.625-IN)	
Z	4	1		1	ALTERNATOR	

Z-NOT SERVICED SEPARATELY



GRAPHIC #1 **<END>** g01319685

ELECTRICAL AND STARTING SYSTEM

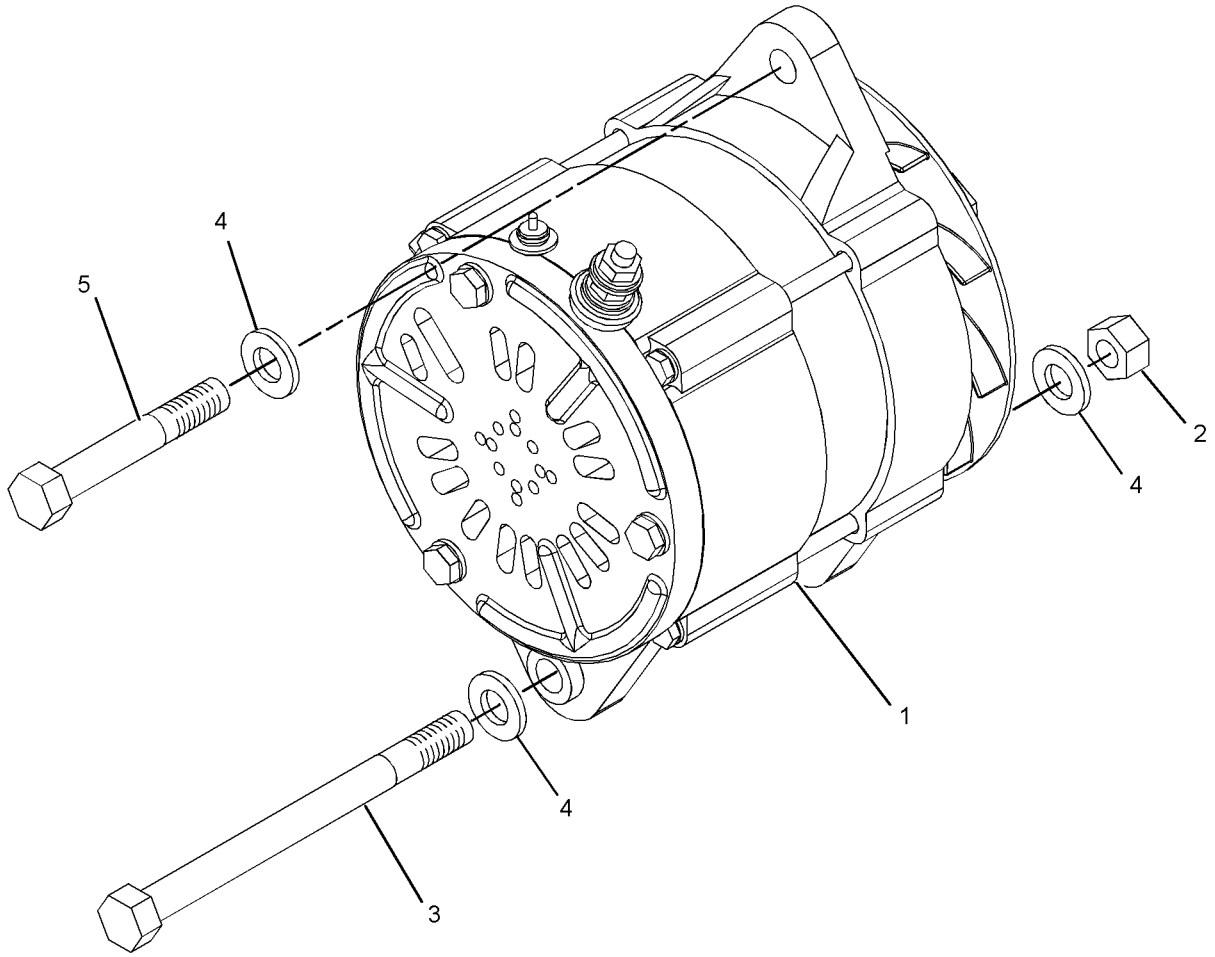
235-2471 ALTERNATOR GP-CHARGING

AN ATTACHMENT

SMCS-1405 **i02770295**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**177-9953**	1	ALTERNATOR GP-CHARGING (24-VOLT, 80-AMPERE)	821
	2	1	**6V-8188**	1	NUT (1/2-13-THD)	
	3	1	**7X-0339**	1	BOLT (1/2-13X6.25-IN)	
	4	1	**8T-4223**	1	WASHER-HARD (13.5X25.5X3-MM THK)	
	5	1	**8T-8920**	1	BOLT (1/2-13X3.25-IN)	

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01387173

266-7227 ALTERNATOR GP-CHARGING

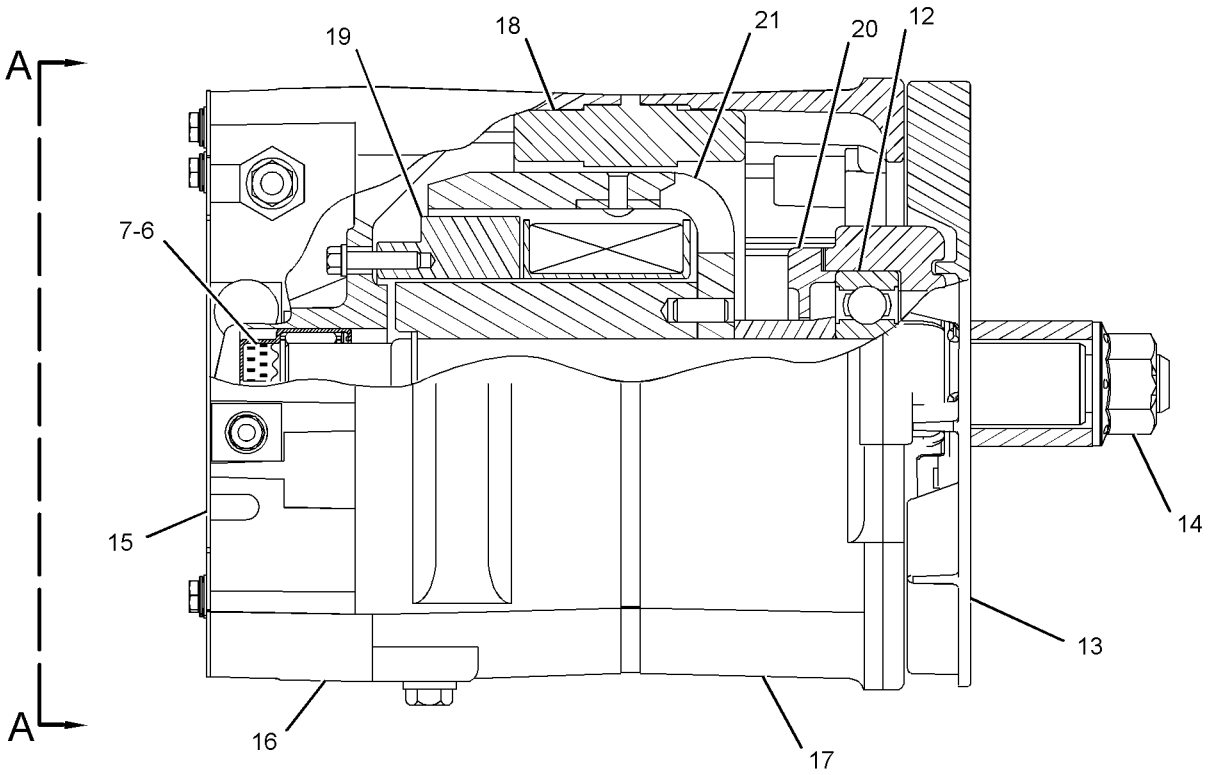
S/N: JRE1-10127
24-VOLT,60-AMPERE
FIELD REPLACEMENT ORDER 333-1184—PAGE 833. FIELD REPLACEMENT FOR 4N-3986—PAGE 803

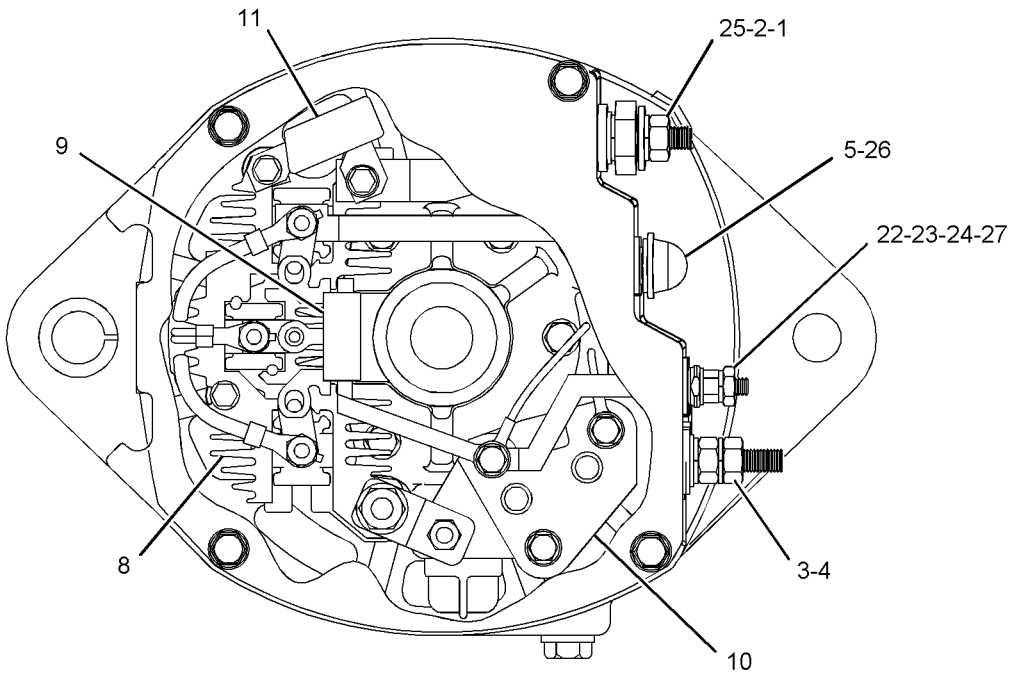
SMCS-1405 **i03642348**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	2	1	**1H-3244**	1	LOCKWASHER	
	3	1	**6V-8187**	1	NUT (1/4-28-THD)	
	4	1	**292-3815**	2	KIT-TERMINAL	
	5	1	**9L-6770**	1	CAP-DUST	
	6	1	**5P-3418**	1	BEARING-ROLLER	
	7	1	**5P-3419**	1	RACE-BEARING INNER	
	8	1	**291-8247**	1	RECTIFIER AS	
	9	1	**202-2708**	1	DIODE AS	
	10	1	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	11	1	**291-8253**	1	CAPACITOR AS	
	12	1	**202-9897**	1	BEARING-SPECIAL BALL	
	13	1	**100-6531**	1	FAN-ALTERNATOR (11-BLADE)	
	14	1	**187-2034**	1	NUT-FLANGE (5/8-18-THD)	
	15	1	**291-8274**	1	PLATE	
	16	1	**291-8271**	1	HOUSING AS	
	17	1	**202-2700**	1	FRAME	
	18	1	**291-8263**	1	STATOR AS	
	19	1	**6N-1945**	1	COIL AS-FIELD	
	20	1	**9S-2390**	1	RETAINER	
	21	1	**9S-2302**	1	ROTOR AS	
	22	1	**4B-2047**	1	NUT (10-24-THD)	
	23	1	**8T-0328**	1	WASHER-HARD (5.5X10X1-MM THK)	
	24	1	**8F-1434**	1	LOCKWASHER	
	25	1	**202-2784**	1	KIT-ALTERNATOR TERMINAL	
					(KIT INCLUDES NUT, WASHERS, INSULATORS, CONNECTORS, ADAPTER, AND SCREW)	
	26	1	**202-2785**	1	KIT-ALTERNATOR TERMINAL	
					(KIT INCLUDES STUD, BUSHINGS, CONNECTOR, AND NUT)	
	27	1	**202-2786**	1	KIT-ALTERNATOR TERMINAL	
					(KIT INCLUDES NUTS, WASHERS, BUSHINGS, AND CONNECTOR)	
F			**202-2787**	1	KIT-HARDWARE	
					(KIT INCLUDES NUTS, SCREWS, WASHER, BOOT, COLLAR, AND CONNECTOR)	

F-NOT SHOWN

266-7227 ALTERNATOR GP-CHARGING *(contd.)* i03642348





VIEW A-A

GRAPHIC #1 **<END>** g01394690

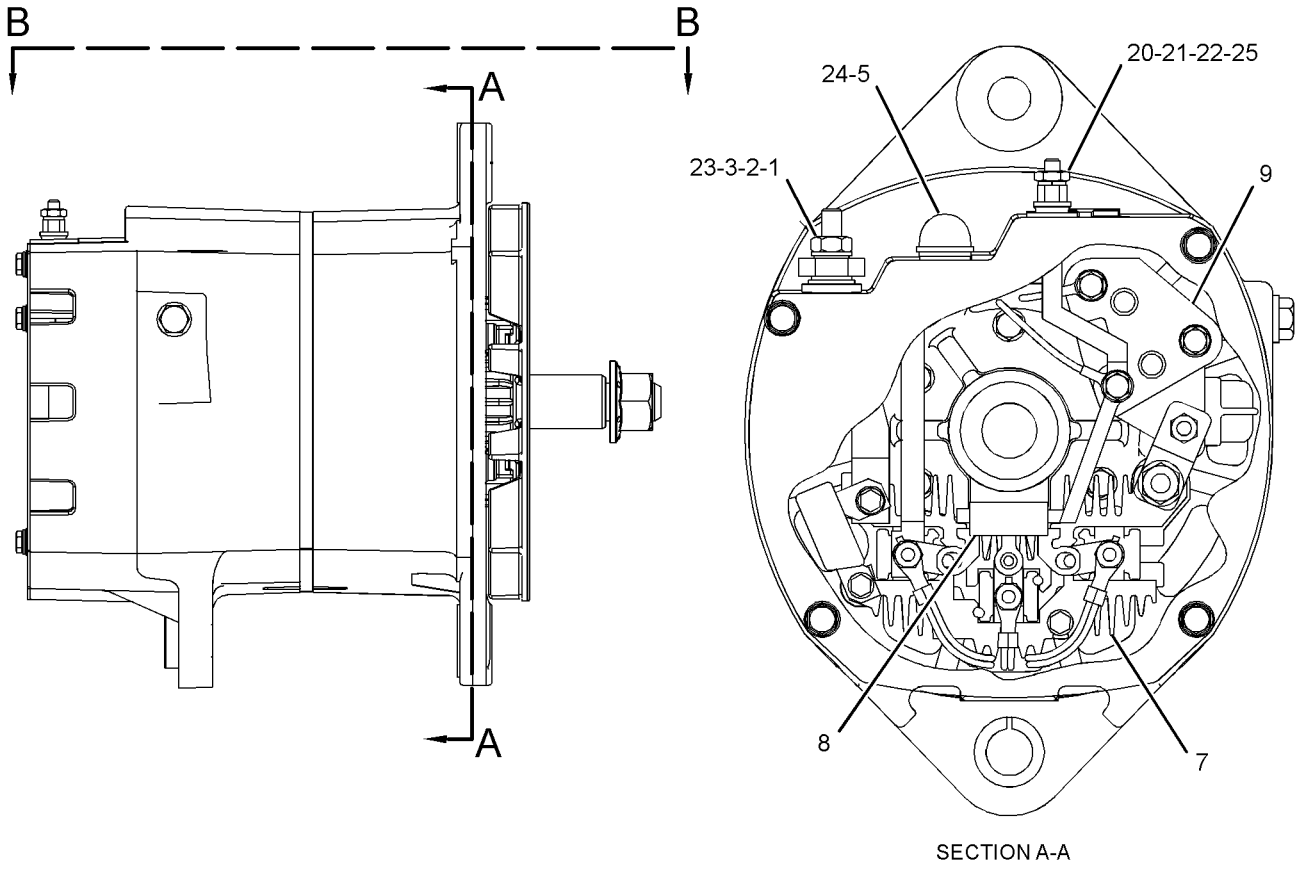
316-7251 ALTERNATOR GP-CHARGING*R

24-VOLT, 105-AMPERE
FIELD REPLACEMENT FOR 9X-7803—PAGE 813
FIELD INSTALLATION

SMCS-1405 **i03664927**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	2	1	**1H-3244**	2	LOCKWASHER	
	3	1	**6V-8187**	1	NUT (1/4-28-THD)	
	4	1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
	5	1	**9L-6770**	1	CAP-DUST	
	6	1	**231-6133**	1	KIT-BEARING	
		1	**5P-3419**	1	RACE-BEARING INNER	
		1	**229-9407**	1	BEARING AS	
	7	1	**308-1362**	1	RECTIFIER AS	
	8	1	**202-2708**	1	DIODE AS	
	9	1	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	10	1	**202-9897**	1	BEARING-SPECIAL BALL	
	11	1	**100-6531**	1	FAN-ALTERNATOR (11-BLADE)	
	12	1	**187-2034**	1	NUT-FLANGE (5/8-18-THD)	
	13	1	**202-2783**	1	PLATE	
	15	1	**202-2700**	1	FRAME	
	16	1	**308-1365**	1	STATOR AS	
	17	1	**308-1366**	1	COIL AS	
	18	1	**9S-2390**	1	RETAINER	
	19	1	**299-1761**	1	ROTOR AS	
	20	1	**4B-2047**	1	NUT (10-24-THD)	
	21	1	**8T-0328**	1	WASHER-HARD (5.5X10X1-MM THK)	
	22	1	**8F-1434**	1	LOCKWASHER	
	23	1	**202-2784**	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES NUT, LOCKWASHER, WASHERS, INSULATORS, SCCREW, CONNECTORS, & ADAPTER)	
	24	1	**202-2785**	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES STUD, BUSHINGS, WASHERS, CONNECTOR, & NUT AS)	
	25	1	**202-2786**	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES NUTS, LOCKWASHER, BUSHINGS, WASHERS, CONNECTOR, & STUD)	
F			**202-2787**	1	KIT-HARDWARE	
					(INCLUDES NUT AS, PLUG, SCREW AS, SCREWS, LOCKWASHER, NUT, CONNECTOR, BOLTS, COLLAR, & BOOT)	

F-NOT SHOWN



SECTION A-A

VIEW B-B

GRAPHIC #1 **<END>** g01971058

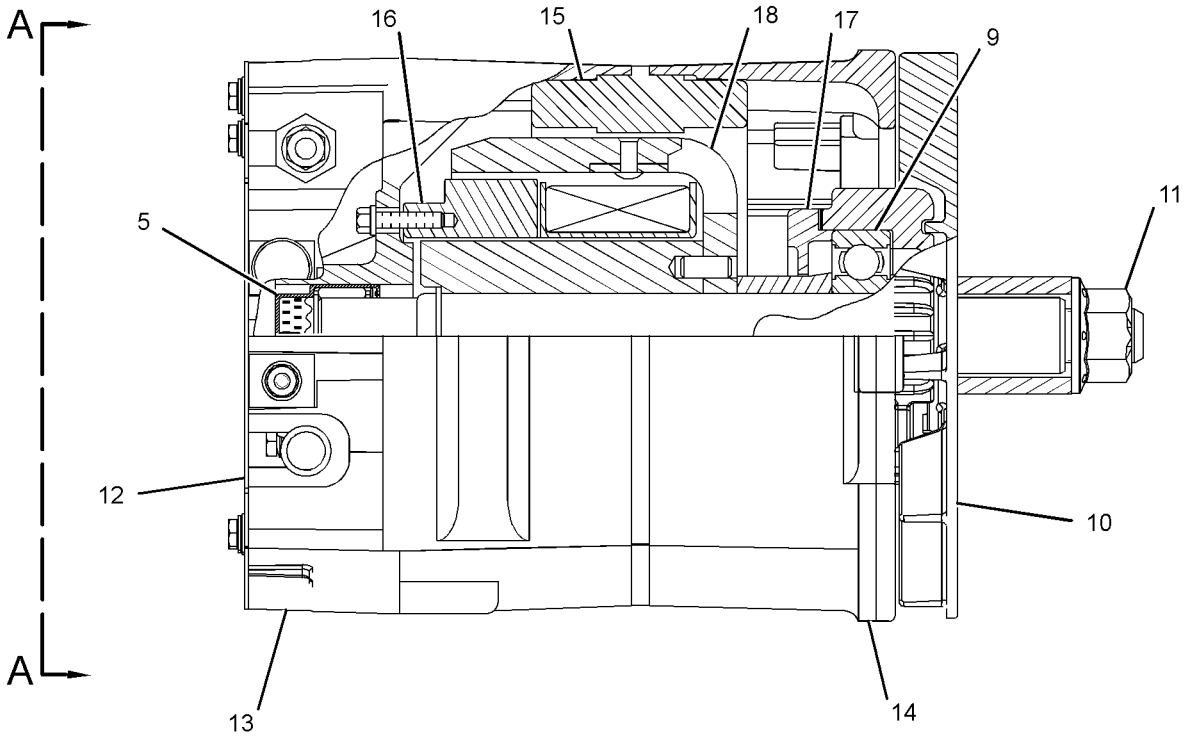
333-1184 ALTERNATOR GP-CHARGING

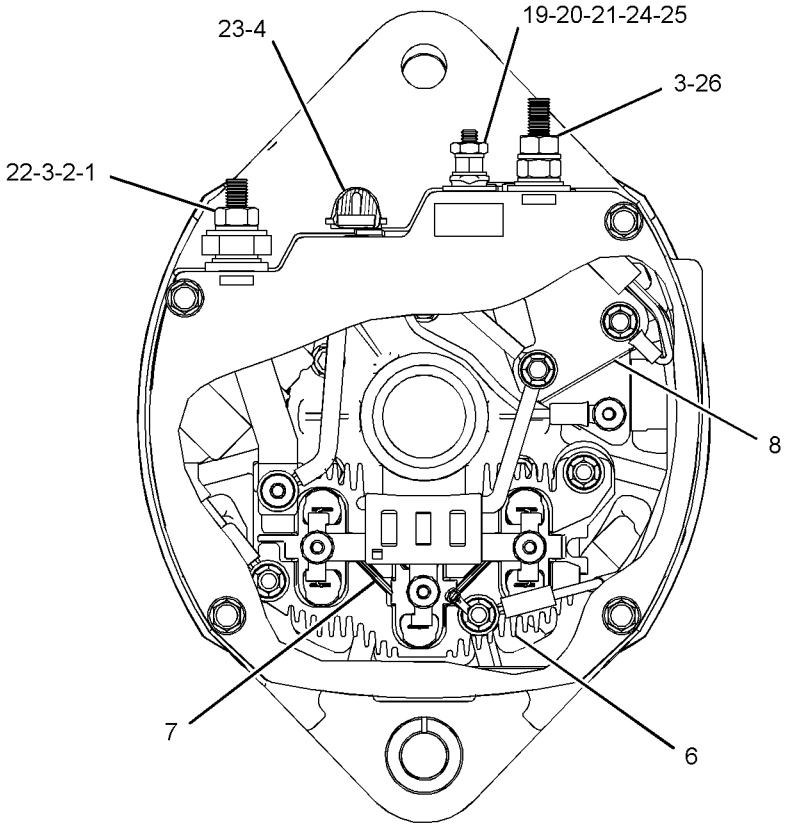
24-VOLT,68-AMPERE

FIELD REPLACEMENT FOR 4N-3986—PAGE 803, 266-7227—PAGE 829

SMCS-1405 **i03439265**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-4205**	1	WASHER-HARD (7.2X14.5X2-MM THK)	
	2	1	**1H-3244**	1	LOCKWASHER	
	3	1	**6V-8187**	2	NUT (1/4-28-THD)	
	4	1	**9L-6770**	1	CAP-DUST	
	5	1	**231-6133**	1	KIT-BEARING	
					(INCLUDES BEARING AS & RACE-BEARING INNER)	
	6	1	**308-1362**	1	RECTIFIER AS	
	7	1	**202-2708**	1	DIODE AS	
	8	1	**3T-6354**	1	REGULATOR AS-VOLTAGE (24-VOLT) (ALTERNATOR)	
	9	1	**202-9897**	1	BEARING-SPECIAL BALL	
	10	1	**100-6531**	1	FAN-ALTERNATOR (11-BLADE)	
	11	1	**187-2034**	1	NUT-FLANGE (5/8-18-THD)	
	12	1	**202-2783**	1	PLATE	
	13	1	**334-4399**	1	HOUSING AS-ALTERNATOR	
	14	1	**202-2700**	1	FRAME	
	15	1	**308-1365**	1	STATOR AS	
	16	1	**308-1366**	1	COIL AS	
	17	1	**9S-2390**	1	RETAINER	
	18	1	**299-1761**	1	ROTOR AS	
	19	1	**4B-2047**	1	NUT (10-24-THD)	
	20	1	**8T-0328**	1	WASHER-HARD (5.5X10X1-MM THK)	
	21	1	**8F-1434**	1	LOCKWASHER	
	22	1	**202-2784**	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES NUT, LOCKWASHERS, WASHERS, INSULATORS, SCREW, CONNECTORS, AND ADAPTER)	
	23	1	**202-2785**	1	KIT-ALTERNATOR TERMINAL	
					(INCLUDES STUD, BUSHINGS, WASHERS, CONNECTOR, AND NUT)	
	24	1	**202-2787**	1	KIT-HARDWARE	
					(INCLUDES NUT AS, SCREW AS, SCREW, PLUG, LOCKWASHER, NUT, CONNECTOR, BOLT, COLLAR & BOOT)	
	25	1	**328-8410**	1	KIT-TERMINAL	
	26	1	**292-3815**	1	KIT-TERMINAL	





VIEW A-A

GRAPHIC #1 **<END>** g01618842

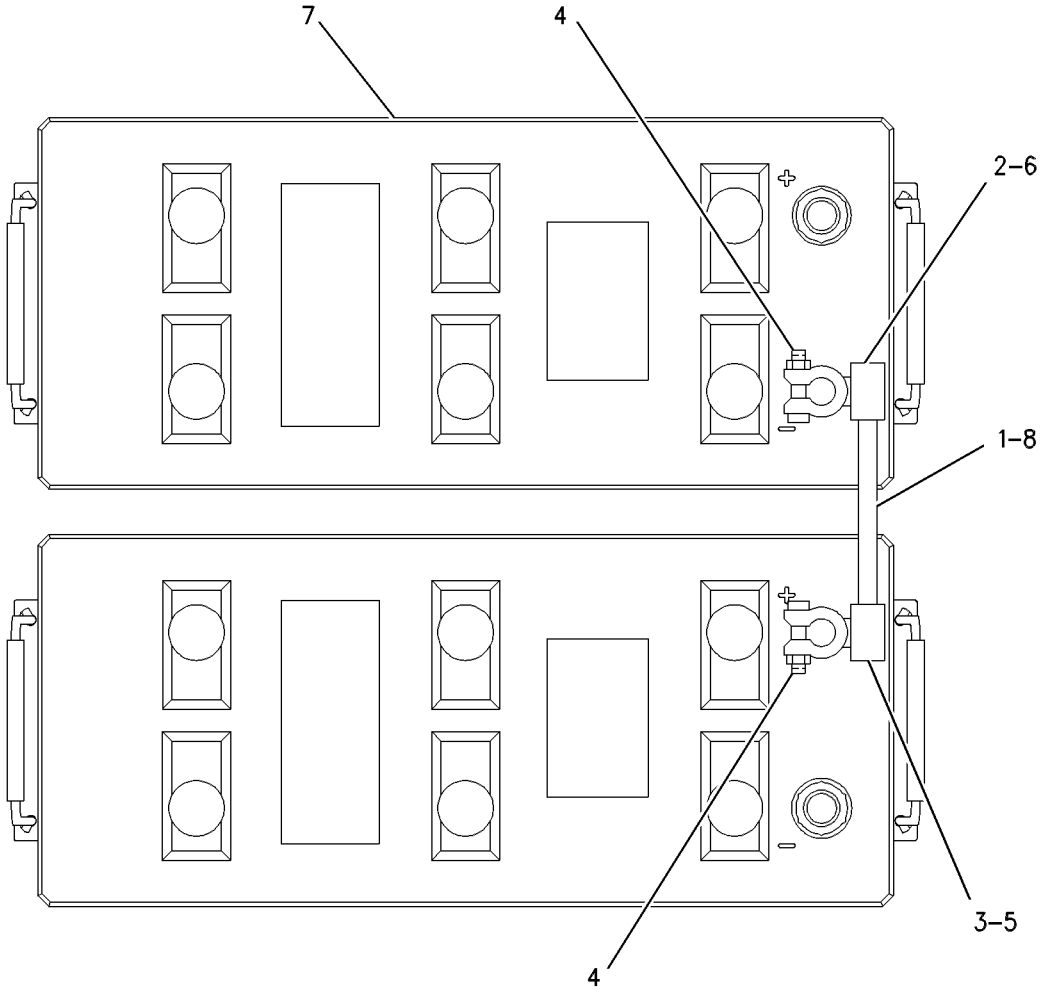
7L-7871 BATTERY GP

24-VOLT, 1000-COLD CRANKING AMPERE, 140-AMPERE HOUR
AN ATTACHMENT

SMCS-1401 **i03640568**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2V-7397**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00-GA, BLACK) (20-CM)	
	2	1	**8T-9757**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	3	1	**8C-5917**	1	TERMINAL AS-BATTERY (POSITIVE)	
	4	1	**1M-6119**	2	BOLT (5/16-18X1.375-IN)	
		1	**1M-6120**	2	NUT (5/16-18-THD)	
	5	1	**9G-0004**	1	COVER-TERMINAL (RED)	
	6	1	**9G-0003**	1	COVER-TERMINAL (BLACK)	
C	7	1	**9X-9720**	2	BATTERY (12-VOLT) (DRY)	
					(EACH INCLUDES)	
		1	**7N-0060**	6	VENT AS (BATTERY)	
	8	1	**8L-8413**	2	STRAP-CABLE	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00621897

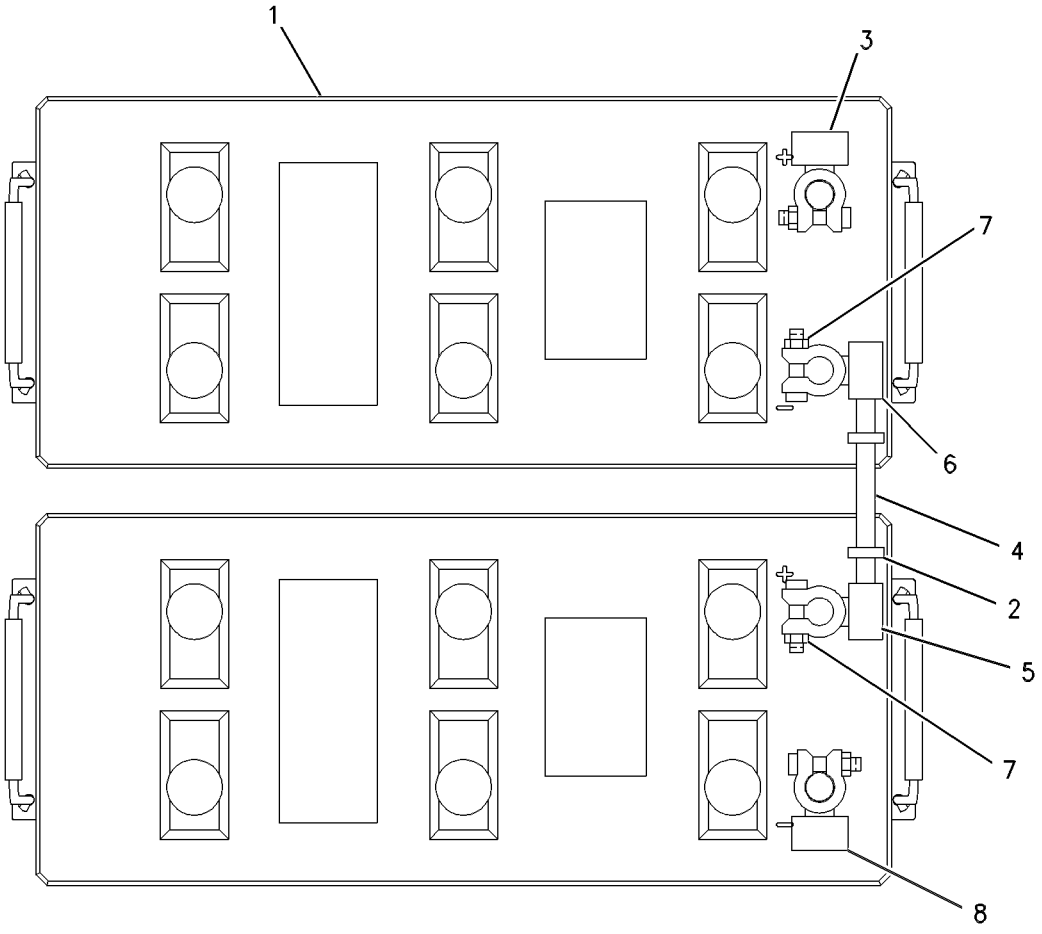
7L-7872 BATTERY GP

24-VOLT, 1300-COLD CRANKING AMPERE, 190-AMPERE HOUR
AN ATTACHMENT

SMCS-1401 **i03615444**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**9X-9730**	2	BATTERY GP (12-VOLT) (DRY)	
					(EACH INCLUDES)	
		1	**7N-0060**	6	VENT AS (BATTERY)	
C	2	1	**8L-8413**	2	STRAP-CABLE	
C	3	1	**9G-0004**	1	COVER-TERMINAL (RED)	
C	4	1	**2V-7397**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00-GA, BLACK) (20-CM)	
		1	**1M-6120**	2	NUT (5/16-18-THD)	
	5	1	**8C-5917**	1	TERMINAL AS-BATTERY (POSITIVE)	
	6	1	**8T-9757**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	7	1	**1M-6119**	2	BOLT (5/16-18X1.375-IN)	
C	8	1	**9G-0003**	1	COVER-TERMINAL (BLACK)	

C-CHANGE FROM PREVIOUS TYPE
E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00622754

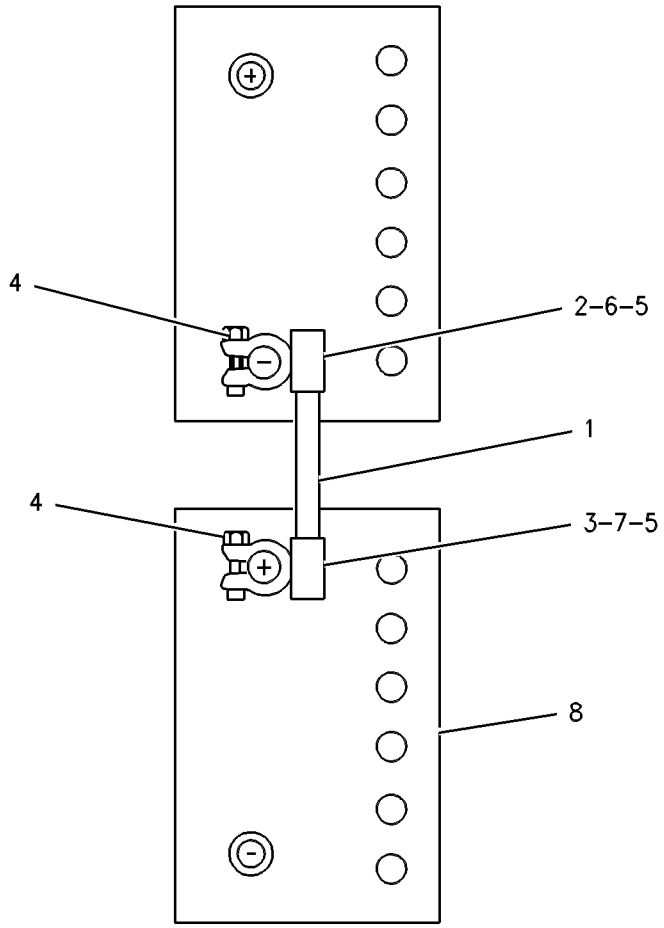
160-5447 BATTERY GP

24-VOLT, 950 COLD CRANKING AMPERE, 90-AMPERE HOUR. LOW MAINTENANCE AN ATTACHMENT

SMCS-1401 **i03537325**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2V-7397**	1	CABLE AS	
E		1	**5P-0747**		CABLE (00-GA, BLACK) (20-CM)	
	2	1	**8T-9757**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	3	1	**8C-5917**	1	TERMINAL AS-BATTERY (POSITIVE)	
	4	1	**1M-6119**	2	BOLT (5/16-18X1.375-IN)	
		1	**1M-6120**	2	NUT (5/16-18-THD)	
	5	1	**8L-8413**	4	STRAP-CABLE	
	6	1	**9G-0003**	2	COVER-TERMINAL (BLACK)	
	7	1	**9G-0004**	2	COVER-TERMINAL (RED)	
	8	1	**115-2421**	2	BATTERY GP (12-VOLT, MAINTENANCE FREE, DRY)	
					(EACH INCLUDES)	
		1	**123-1373**	6	CAP AS-FILLER (BATTERY)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00436618

ELECTRICAL AND STARTING SYSTEM

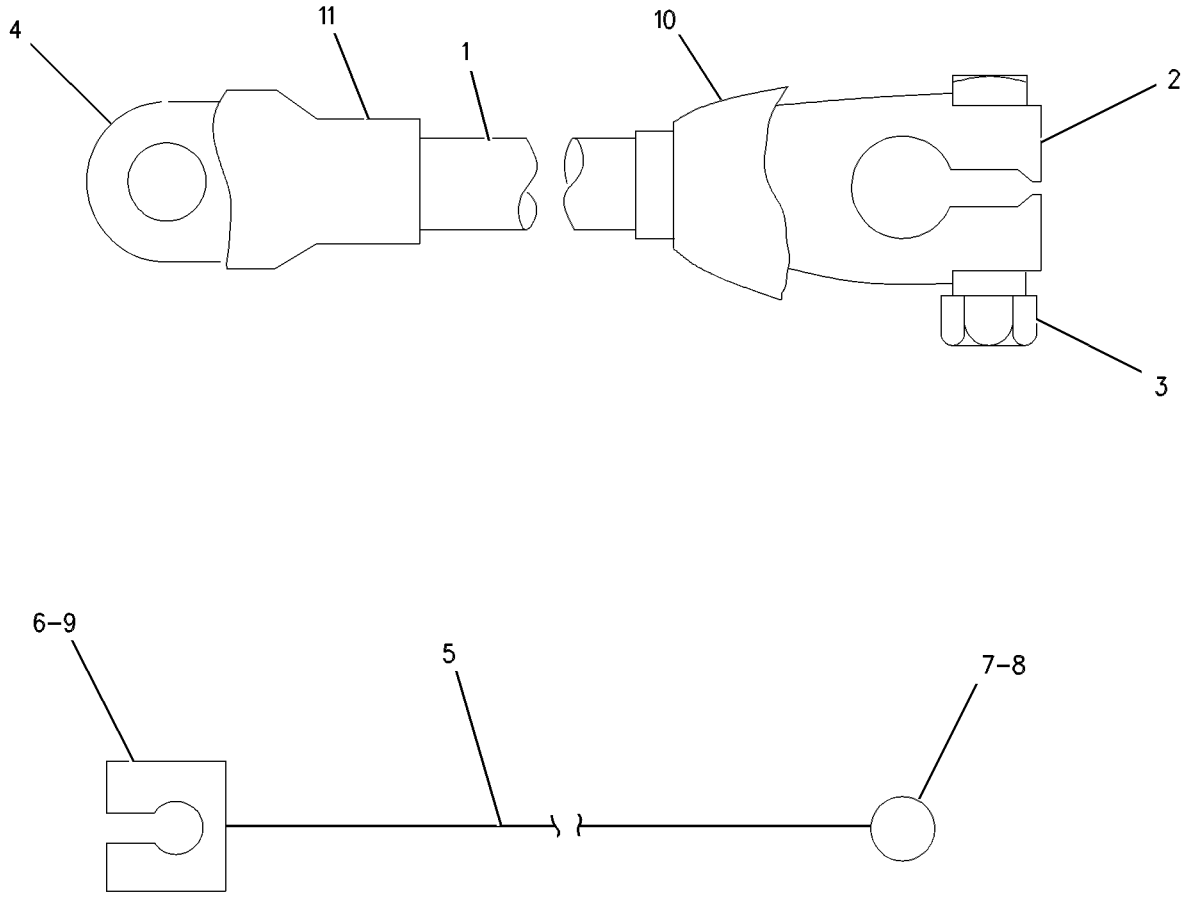
7W-0825 CABLE GP-BATTERY

PROVIDES A POSITIVE AND A NEGATIVE CABLE ASSEMBLY
AN ATTACHMENT

SMCS-1402 **i02118505**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3K-1715**	1	CABLE AS (BATTERY)	
	2	1	**3S-6050**	1	TERMINAL AS-BATTERY (NEGATIVE)	
	3	1	**1M-6119**	1	BOLT (5/16-18X1.375-IN)	
		1	**1M-6120**	1	NUT (5/16-18-THD)	
	4	1	**1S-7251**	1	TERMINAL-CABLE (00-GA, 1/2-IN BOLT)	
	5	1	**3V-6785**	1	CABLE AS (BATTERY)	
E		1	**5P-0761**		CABLE (00-GA, RED) (188-CM)	
	6	1	**3S-6049**	1	TERMINAL AS-BATTERY (POSITIVE)	
		1	**1M-6119**	1	BOLT (5/16-18X1.375-IN)	
		1	**1M-6120**	1	NUT (5/16-18-THD)	
	7	1	**1S-7251**	1	TERMINAL-CABLE (00-GA, 1/2-IN BOLT)	
	8	1	**7N-5274**	1	COVER-TERMINAL (BLACK) (BATTERY)	
	9	1	**8N-0869**	1	COVER-TERMINAL (RED) (RING)	
	10	1	**8N-1725**	1	COVER-TERMINAL (RED) (BATTERY)	
	11	1	**9G-8909**	1	COVER-TERMINAL (BLACK) (RING)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00623828

314-2716 CABLE GP-BATTERY

AN ATTACHMENT

SMCS-1402 **i03481562**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	232-4609	1	CABLE AS (BATTERY POSITIVE)	
	1S-7251	1	TERMINAL-CABLE (00-GA, 1/2-IN BOLT)	
BD	**5P-5621**		WIRE (12-GA)	
	8N-0869	1	COVER-TERMINAL (RED)	
	8N-1541	1	SOCKET-CONNECTOR (12-GA TO 14-GA)	
	8N-1725	1	COVER-TERMINAL (RED)	
	8L-8413	1	STRAP-CABLE	
	129-7163	1	PLUG AS-CONNECTOR (1-PIN)	
E	**159-8049**		CABLE (00-GA, RED) (189-CM)	
	235-8105	1	TERMINAL AS-BATTERY	
	1M-6119	1	BOLT (5/16-18X1.375-IN)	
	1M-6120	1	NUT (5/16-18-THD)	
	232-4610	1	CABLE AS (BATTERY NEGATIVE)	
	1S-7251	1	TERMINAL-CABLE (00-GA, 1/2-IN BOLT)	
BD	**5P-5621**		WIRE (12-GA)	
	7N-5274	1	COVER-TERMINAL (BLACK)	
	8L-8413	1	STRAP-CABLE	
	8N-1541	1	SOCKET-CONNECTOR (12-GA TO 14-GA)	
	9G-8909	1	COVER-TERMINAL (BLACK)	
	129-7163	1	PLUG AS-CONNECTOR (1-PIN)	
E	**159-8050**		CABLE (00-GA, BLACK) (189-CM)	
	235-8106	1	TERMINAL AS-BATTERY	
	1M-6119	1	BOLT (5/16-18X1.375-IN)	
	1M-6120	1	NUT (5/16-18-THD)	

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER

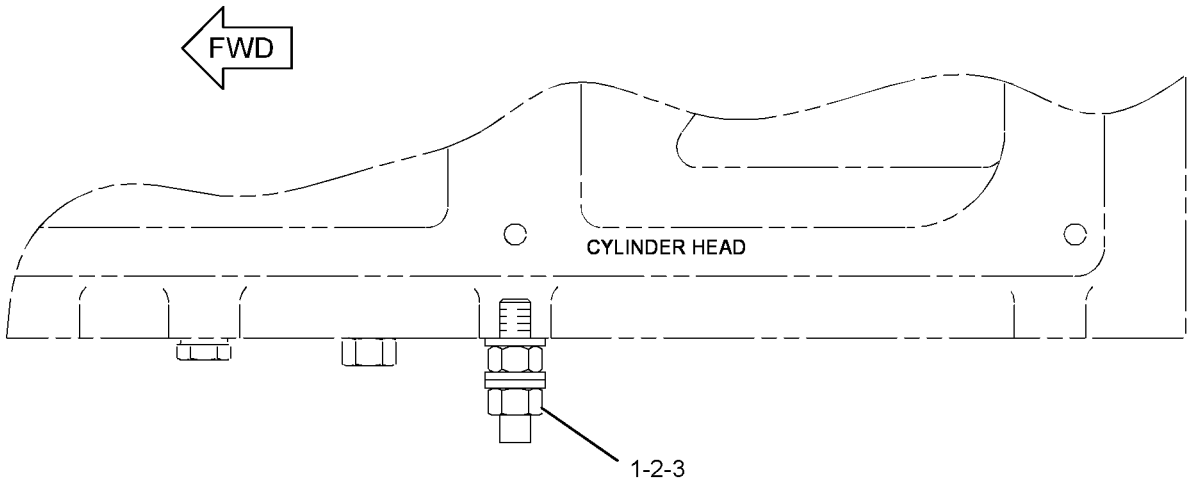
<END>

159-9107 CONNECTION GP-ELECTRICAL–
CYLINDER HEAD GROUND

PROVIDES ALTERNATE GROUNDING LOCATION IN CYLINDER HEAD
AN ATTACHMENT

SMCS-1408 **i03238799**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**174-9599**	1	STUD (3/8-16-THD)	
	2	1	**8T-4896**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	3	1	**6V-8801**	1	NUT (3/8-16-THD)	



TOP VIEW

GRAPHIC #1 **<END>** g01422079

200-2310 CONNECTION GP-ELECTRICAL

THROTTLE POSITION SENSOR, PROVIDES WIRE REMOVAL TOOL AN ATTACHMENT

SMCS-1408 **i01850571**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	133-0969	1	CONNECTOR-SOCKET (40 PIN CONNECTOR)	
	9X-3401	3	PIN-CONNECTOR (16-GA TO 18-GA) (THROTTLE POSITION SENSOR)	
	8T-9834	1	PLUG AS-CONNECTOR (40-PIN)	
	3E-4367	1	RING-RETAINING	
M	**3E-8557**	1	BOLT (M5X0.8X39.37-MM)	
	9X-3132	2	SEAL-CONNECTOR (40-PIN)	
	8T-8737	36	PLUG-SEAL (40 PIN CONNECTOR)	
	8T-8732	1	RECEPTACLE (3-PIN) (THROTTLE POSITION SENSOR)	
	9W-0844	3	SOCKET-CONNECTOR (14-GA) (THROTTLE POSITION SENSOR)	
	9X-3402	39	SOCKET-CONNECTOR (16-GA TO 18-GA) (40 PIN CONNECTOR)	
	151-6320	2	TOOL-WIRE REMOVAL	

M-METRIC PART

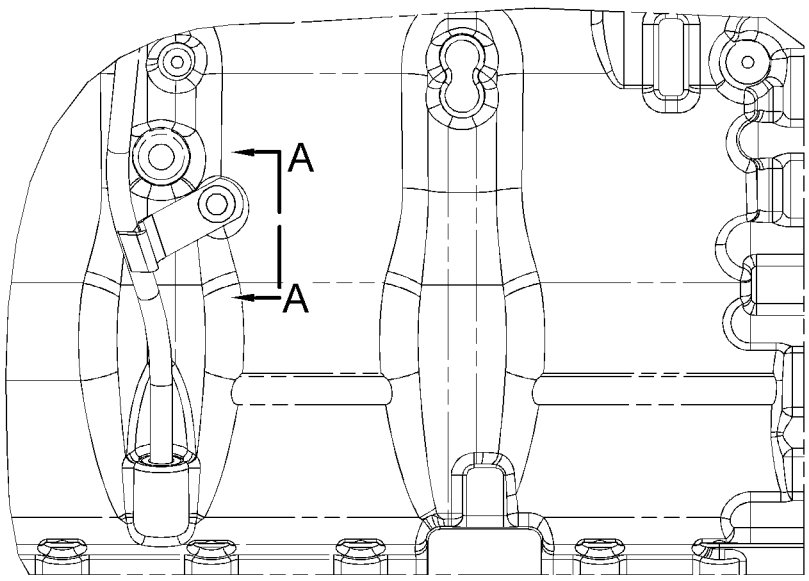
<END>

229-6712 CONNECTION GP-ELECTRICAL

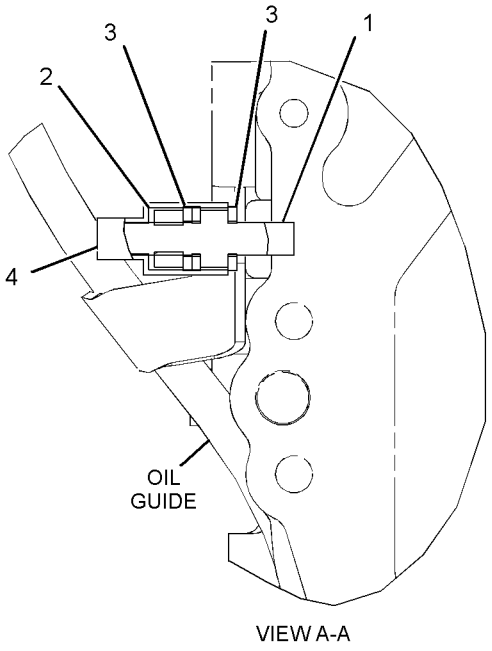
3/8 INCH BLOCK GROUND
FOR USE WITH AND WITHOUT LEFT HAND REAR OIL GUIDE GROUPS AND BLOCK SOUND PANELS
AN ATTACHMENT

SMCS-1408 **i02867643**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**174-9599**	1	STUD (3/8-16-THD)	
	2	1	**6V-8801**	1	NUT (3/8-16-THD)	
	3	1	**8T-4896**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**101-6603**	1	CAP (STUD PROTECTOR)	



LEFT SIDE VIEW OF ENGINE



VIEW A-A

GRAPHIC #1 **<END>** g01433539

240-6054 CONNECTION GP-ELECTRICAL

FOR CUSTOMER HOOKUP ON INDUSTRIAL ENGINES WITH ADEM IV ECMS
AN ATTACHMENT

SMCS-1408 **i02422943**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
J	**8T-8732**	1	RECEPTACLE (3-PIN)	
L	**8T-8737**	66	PLUG-SEAL	
L	**9W-0844**	3	SOCKET-CONNECTOR (14-GA)	
L	**133-0969**	1	CONNECTOR-SOCKET	
	160-7689	1	PLUG AS-CONNECTOR (70-PIN)	
	159-9322	1	SEAL-O-RING	
	9X-3401	3	PIN-CONNECTOR (16-GA TO 18-GA)	
			—OR—	
	126-1767	3	PIN-CONNECTOR (14-GA)	
J	**194-5226**	1	WIRE AS (THROTTLE POSITION)	
			—OR—	
J	**194-5227**	1	WIRE AS (14-GA) (THROTTLE POSITION)	
L	**194-5226**	1	WIRE AS (CUSTOMER CONNECTOR)	
			—OR—	
L	**194-5227**	1	WIRE AS (14-GA) (CUSTOMER CONNECTOR)	
S	**8C-3334**	2	RIVET-TUBULAR	
S	**8C-6354**	1	CAP-RECEPTACLE	
S	**8T-8736**	1	RECEPTACLE-CONNECTOR (9-PIN)	
S	**8T-8737**	2	PLUG-SEAL	
S	**9W-0852**	2	PIN-CONNECTOR (14-GA)	
S	**133-0967**	1	CONNECTOR-PIN	

J-FOR THROTTLE POSITION SENSOR CONNECTION
L-FOR CUSTOMER CONNECTOR (70-PIN)
S-CAT SERVICE TOOL

<END>

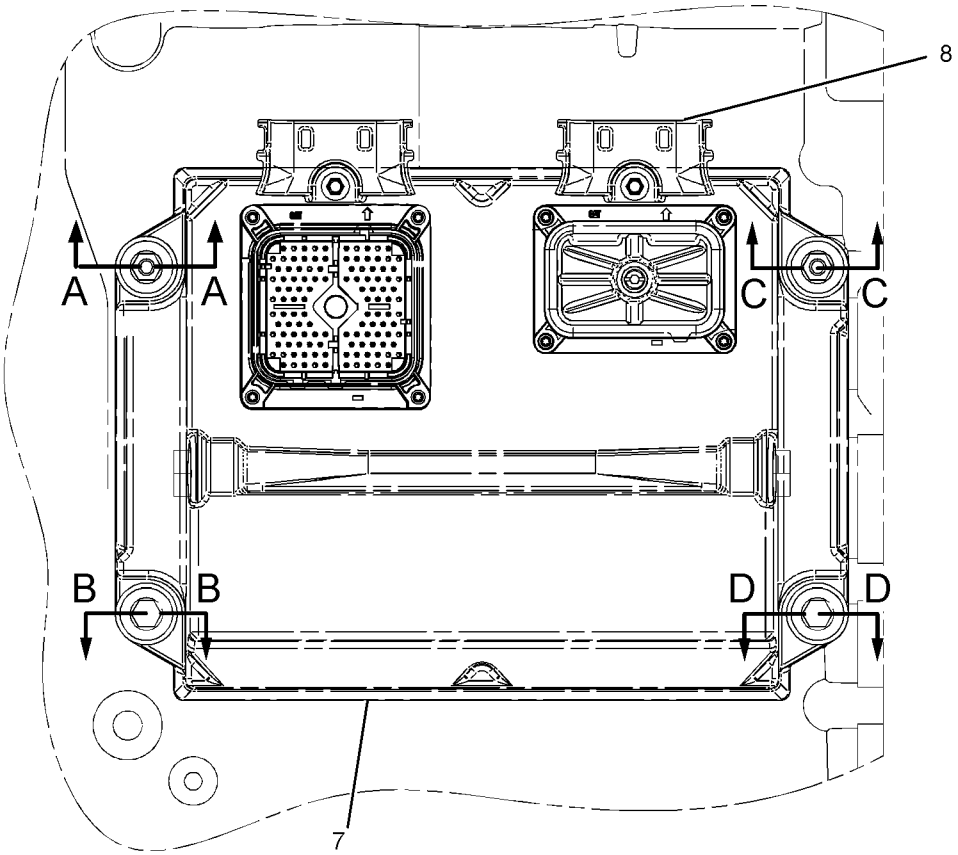
236-1780 CONTROL & MTG GP-ENGINE ELEK

ADEM-IV. FUEL COOLED, PROVIDES 2 HARNESS SUPPORT BRACKETS, AND 2 STUDS AT UPPER MOUNTING LOCATIONS
AN ATTACHMENT

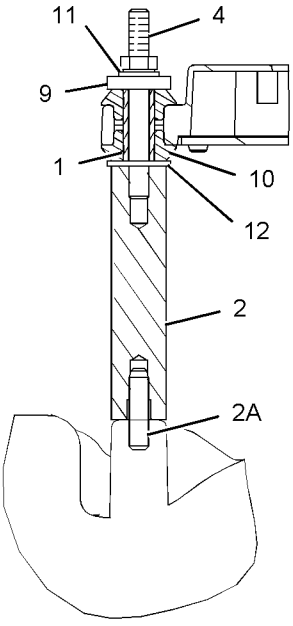
SMCS-1900, 1901 **i03642363**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-1418**	4	SPACER (8.2X12.7X28.7-MM THK)	
	2	1	**155-0696**	1	SUPPORT AS	
	2A	1	**5L-3708**	1	STUD-TAPERLOCK	
	3	1	**155-0698**	1	SUPPORT AS	
	3A	1	**5L-3708**	1	STUD-TAPERLOCK	
	4	1	**161-7419**	2	STUD	
	6	1	**1B-9575**	2	BOLT (5/16-18X1.56-IN)	
R	7	1	**255-5285**	1	CONTROL GP-UNPROGRAMMED (ENGINE)	
	8	1	**233-0891**	2	BRACKET AS	
					(EACH INCLUDES)	
M		1	**232-1693**	1	BOLT-FLANGE HEAD (M6X1X35-MM)	
	9	1	**6V-3964**	2	WASHER-HARD (8.8X25.5X5-MM THK)	
	10	1	**8T-9655**	8	MOUNT-ISOLATION	
	11	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	12	1	**9N-0869**	6	WASHER-HARD (8.8X25.5X2-MM THK)	

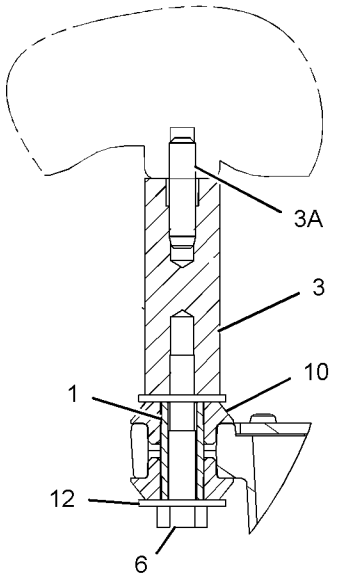
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE



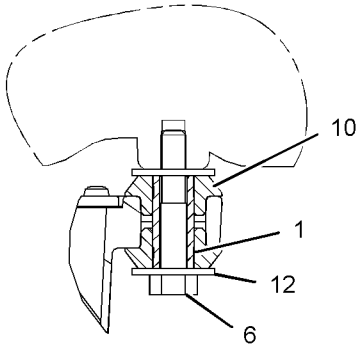
LEFT SIDE VIEW



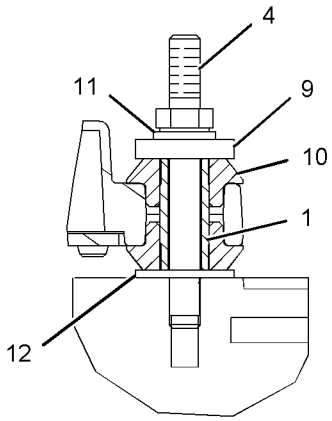
SECTION A-A



SECTION B-B



SECTION D-D



SECTION C-C

GRAPHIC #1 **<END>** g01078223

ELECTRICAL AND STARTING SYSTEM

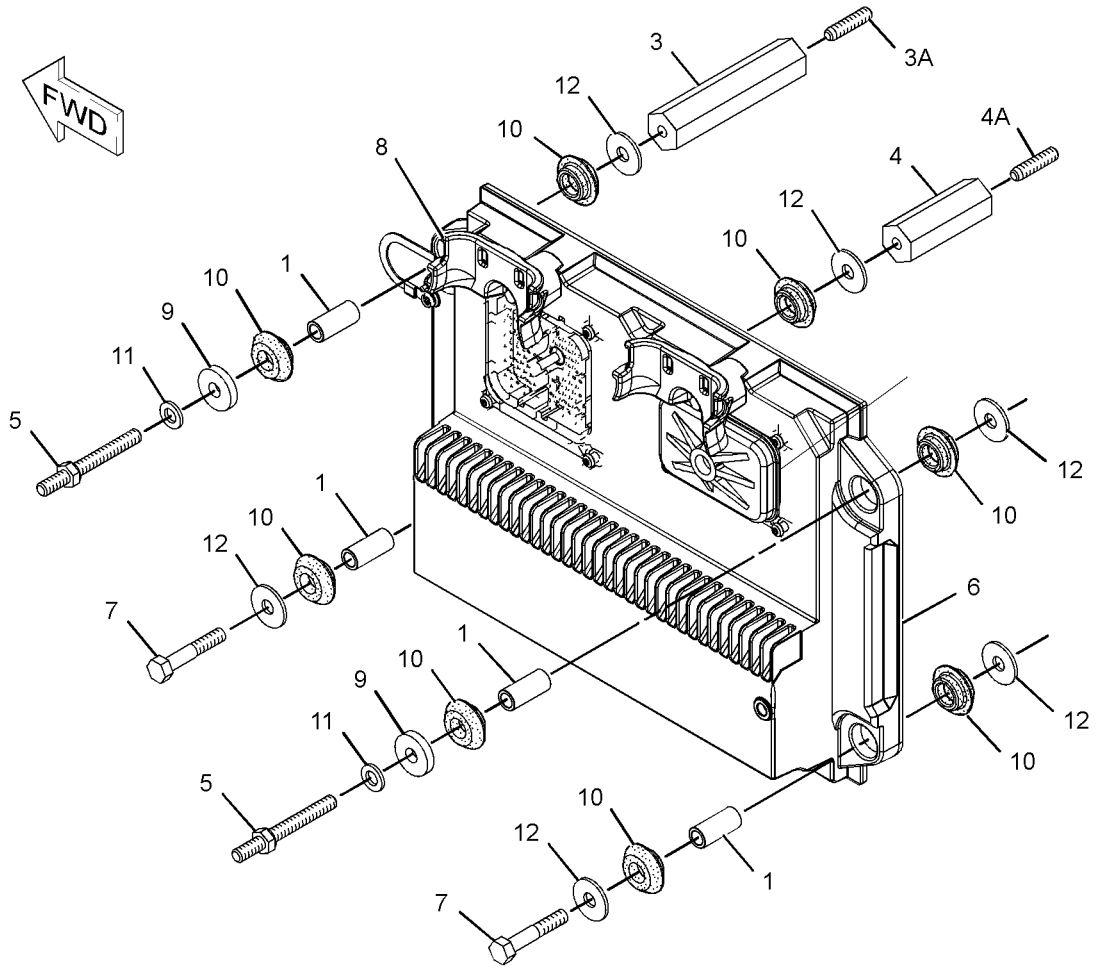
243-1560 CONTROL & MTG GP-ENGINE ELEK

S/N: JRE1-2673
AIR COOLED
AN ATTACHMENT

SMCS-1900, 1901 **i03642360**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-1418**	4	SPACER (8.2X12.7X28.7-MM THK)	
	3	1	**155-0696**	1	SUPPORT AS	
	3A	1	**5L-3708**	1	STUD-TAPERLOCK	
	4	1	**155-0698**	1	SUPPORT AS	
	4A	1	**5L-3708**	1	STUD-TAPERLOCK	
	5	1	**161-7419**	2	STUD	
	6	1	**248-4068**	2	CONTROL GP-UNPROGRAMMED (ENGINE)	
	7	1	**1B-9575**	2	BOLT (5/16-18X1.56-IN)	
	8	1	**233-0891**	2	BRACKET AS	
					(EACH INCLUDES)	
M		1	**232-1693**	1	BOLT-FLANGE HEAD (M6X1X35-MM)	
	9	1	**6V-3964**	2	WASHER-HARD (8.8X25.5X5-MM THK)	
	10	1	**8T-9655**	8	MOUNT-ISOLATION	
	11	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	
	12	1	**9N-0869**	6	WASHER-HARD (8.8X25.5X2-MM THK)	

M-METRIC PART



GRAPHIC #1 **<END>** g01157703

ELECTRICAL AND STARTING SYSTEM

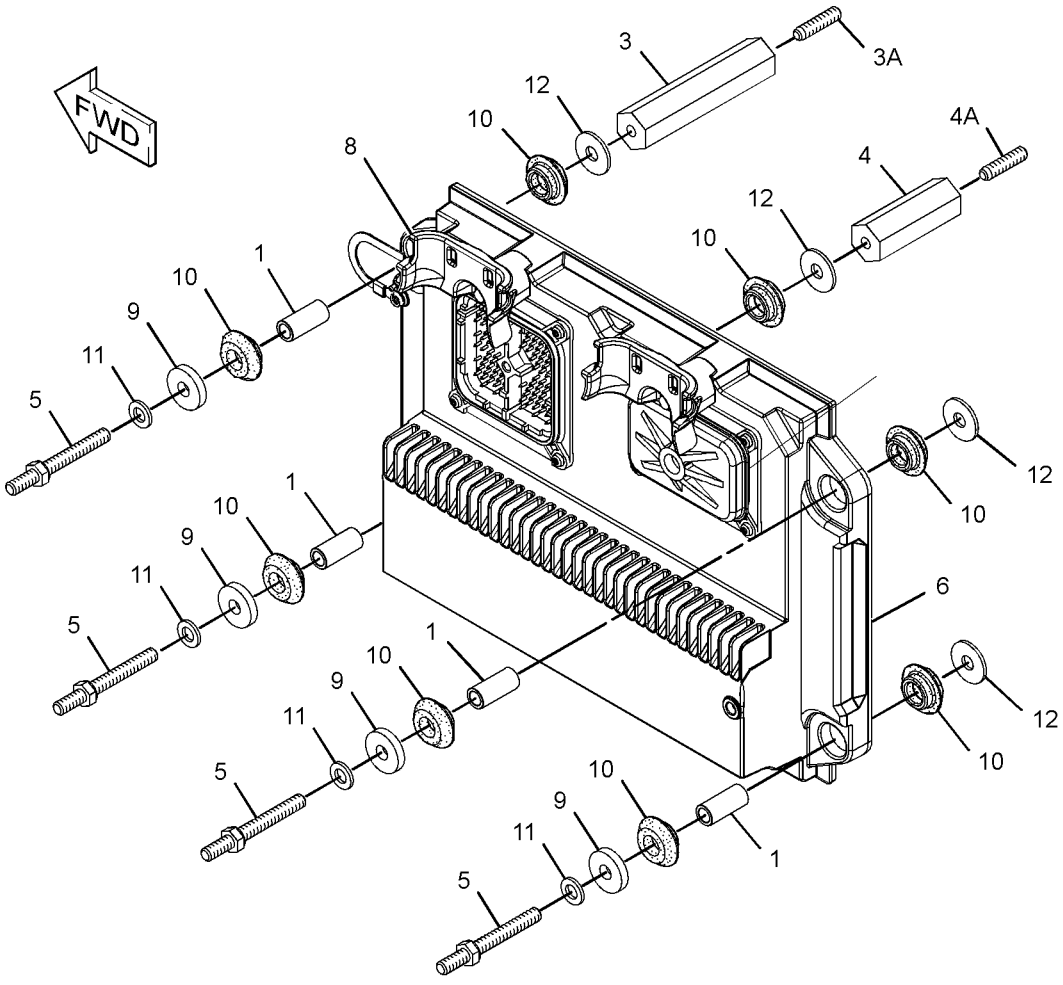
243-1560 CONTROL & MTG GP-ENGINE ELEK

S/N: JRE2674-UP
AIR COOLED
AN ATTACHMENT

SMCS-1900, 1901 **i03009843**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6I-1418**	4	SPACER (8.2X12.7X28.7-MM THK)	
	3	1	**155-0696**	1	SUPPORT AS	
	3A	1	**5L-3708**	1	STUD-TAPERLOCK	
	4	1	**155-0698**	1	SUPPORT AS	
	4A	1	**5L-3708**	1	STUD-TAPERLOCK	
C	5	1	**161-7419**	4	STUD	
R	6	1	**262-2878**	1	CONTROL GP-UNPROGRAMMED (ENGINE)	
	8	1	**233-0891**	2	BRACKET AS	
					(EACH INCLUDES)	
M		1	**232-1693**	1	BOLT-FLANGE HEAD (M6X1X35-MM)	
C	9	1	**6V-3964**	4	WASHER-HARD (8.8X25.5X5-MM THK)	
	10	1	**8T-9655**	8	MOUNT-ISOLATION	
C	11	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
C	12	1	**9N-0869**	4	WASHER-HARD (8.8X25.5X2-MM THK)	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE



GRAPHIC #1 **<END>** g01300423

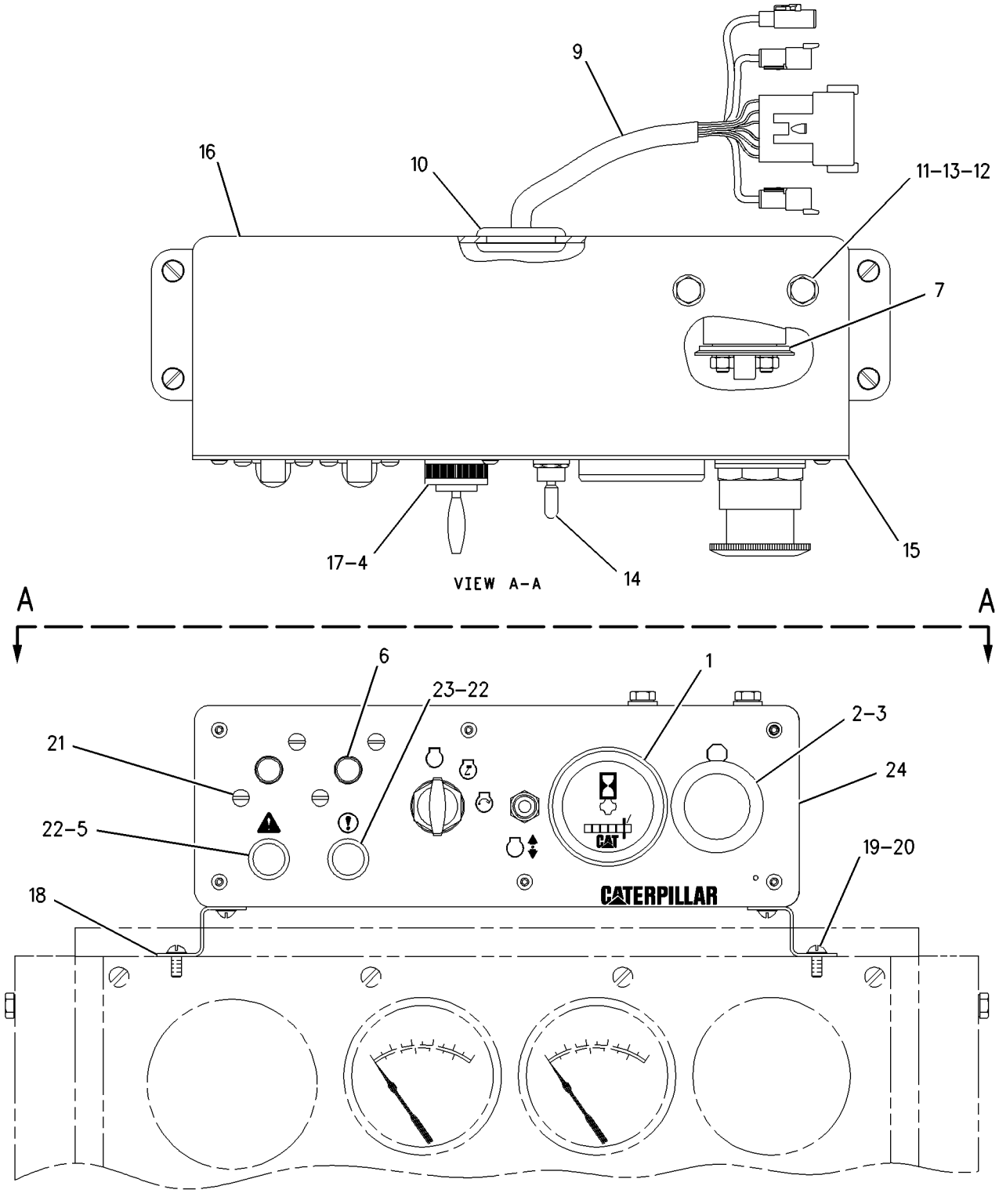
195-1345 CONTROL GP-AUTO START/STOP

PART OF 241-0471 MOUNTING GP-INSTRUMENT PANEL, 269-4756 PANEL GP-INSTRUMENT
FOR USE WITH 137-7018—PAGE 1049, 194-4754—PAGE 982, 24-VOLT WIRING SYSTEM
AN ATTACHMENT

SMCS-1426, 4462 **i03634230**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9W-1494**	1	KIT-SERVICE METER (24-VOLT) (INSTRUMENT PANEL)	
					(INCLUDES SERVICE METER AND SERVICE FILM)	
	2	1	**111-1325**	1	BLOCK-CONTACT (2-POLE)	
	3	1	**109-6507**	1	SWITCH AS-PUSH BUTTON (SECONDARY STOP)	
	4	1	**3E-0156**	1	SWITCH GP-START (IGNITION)	
		1	**6V-8362**	1	SCREW-MACHINE (8-32X0.31-IN)	
		1	**7T-6799**	1	NUT-MOUNTING (1-32-THD)	
		1	**9B-7233**	1	LOCKWASHER	
	5	1	**2N-2371**	1	LAMP AS-INDICATOR (RED)	
		1	**2V-7088**	1	LENS-RED (INDICATOR)	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
		1	**6V-8817**	2	SCREW-MACHINE (4-36X4.76-IN)	
	6	1	**6T-3643**	2	CIRCUIT BREAKER AS (15-AMPERE)	
					(EACH INCLUDES)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25-IN)	
		1	**9B-7233**	2	LOCKWASHER	
Y	7	1	**125-1302**	1	SWITCH GP-MAGNETIC (24-VOLT) (STARTING MOTOR)	951
	9	1	**195-1344**	1	HARNESS AS-WIRING (AUTO START/STOP CONTROL)	
		1	**102-8805**	1	KIT-RECEPTACLE (6-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**127-5486**	1	RECEPTACLE AS-CONNECTOR (1-PIN)	
		1	**155-2270**	1	KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
	10	1	**3K-9520**	1	GROMMET	
	11	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**6V-8185**	2	NUT (1/4-20-THD)	
	13	1	**4M-5281**	2	BOLT (1/4-20X0.75-IN)	
	14	1	**110-7884**	1	SWITCH AS-TOGGLE (MOMENTARY) (SPEED CONTROL)	
		1	**3L-8187**	3	LOCKWASHER	
		1	**6T-3631**	2	NUT-HEX (15/32-32-THD)	
		1	**6T-3632**	1	LOCKWASHER	
		1	**6T-3633**	1	RING-LOCKING	
		1	**6V-8374**	3	SCREW-MACHINE (6-32X0.25-IN)	
	15	1	**137-2133**	1	PLATE	
	16	1	**137-2113**	1	ENCLOSURE	
	17	1	**5P-8500**	1	KEY (IGNITION)	
	18	1	**137-5135**	2	BRACKET	
	19	1	**9F-8125**	8	LOCKWASHER	
	20	1	**4B-1237**	8	SCREW-MACHINE (10-32X12.7-MM)	
	21	1	**3E-8035**	4	SCREW-MACHINE	
	22	1	**7N-5876**	2	LAMP (24-VOLT, 0.2-AMPERE)	
	23	1	**141-9228**	1	LAMP AS (INDICATOR)	
		1	**2V-7087**	1	LENS-AMBER (INDICATOR)	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
		1	**6V-8817**	2	SCREW-MACHINE (4-36X4.76-IN)	
	24	1	**142-2245**	1	FILM-CONTROL PANEL	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00737774

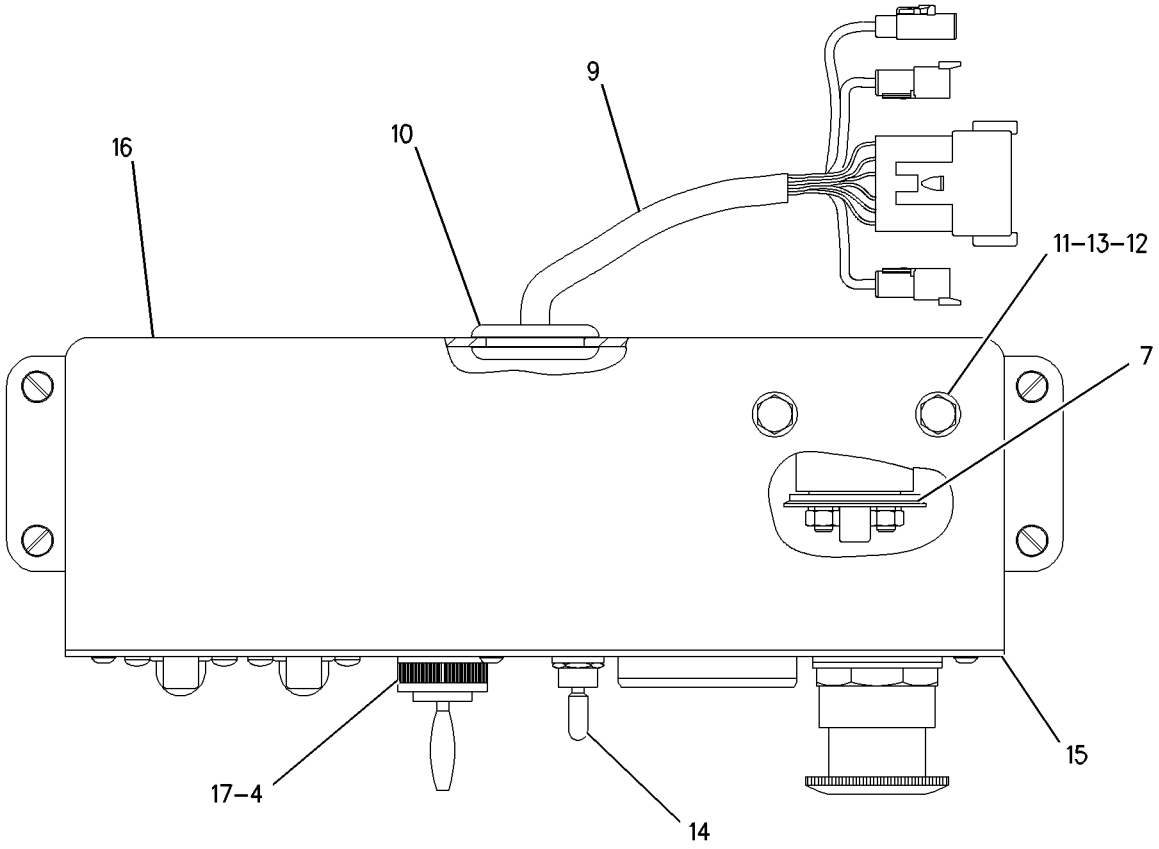
ELECTRICAL AND STARTING SYSTEM

205-8657 CONTROL GP-AUTO START/STOP

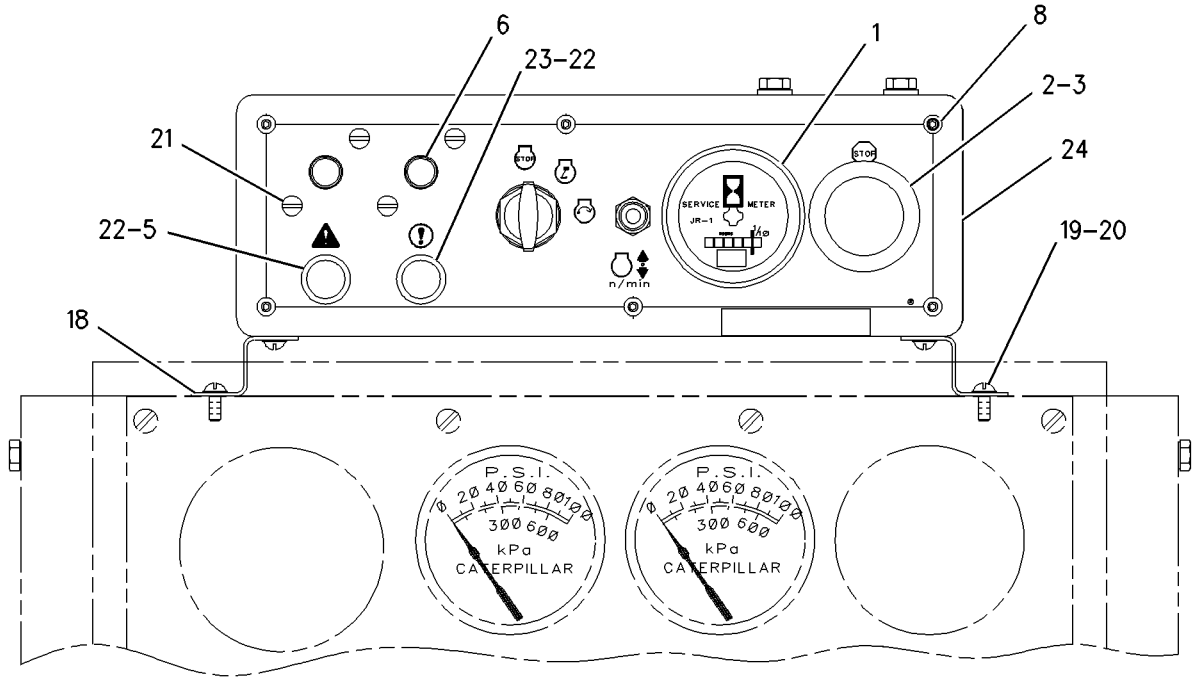
PART OF 273-5996 PANEL GP-INSTRUMENT
FOR USE WITH 12-VOLT WIRING SYSTEM
AN ATTACHMENT

SMCS-1426, 4462 **i03634232**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9W-1494**	1	KIT-SERVICE METER (24-VOLT) (INSTRUMENT PANEL)	
					(INCLUDES SERVICE METER AND SERVICE FILM)	
	2	1	**111-1325**	1	BLOCK-CONTACT (2-POLE)	
	3	1	**109-6507**	1	SWITCH AS-PUSH BUTTON (SECONDARY STOP)	
	4	1	**3E-0156**	1	SWITCH GP-START (IGNITION)	
		1	**6V-8362**	1	SCREW-MACHINE (8-32X0.31-IN)	
		1	**7T-6799**	1	NUT-MOUNTING (1-32-THD)	
		1	**9B-7233**	1	LOCKWASHER	
	5	1	**2N-2371**	1	LAMP AS-INDICATOR (RED)	
		1	**2V-7088**	1	LENS-RED (INDICATOR)	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
		1	**6V-8817**	2	SCREW-MACHINE (4-36X4.76-IN)	
	6	1	**6T-3643**	2	CIRCUIT BREAKER AS (15-AMPERE)	
					(EACH INCLUDES)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25-IN)	
		1	**9B-7233**	2	LOCKWASHER	
	7	1	**125-1303**	1	SWITCH GP-MAGNETIC (12-VOLT) (STARTING MOTOR)	
	8	1	**7D-0894**	6	SCREW-HEAD	
	9	1	**195-1344**	1	HARNESS AS-WIRING (AUTO START/STOP CONTROL)	
		1	**102-8805**	1	KIT-RECEPTACLE (6-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2270**	1	KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
	10	1	**3K-9520**	1	GROMMET	
	11	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	12	1	**6V-8185**	2	NUT (1/4-20-THD)	
	13	1	**4M-5281**	2	BOLT (1/4-20X0.75-IN)	
	14	1	**110-7884**	1	SWITCH AS-TOGGLE (MOMENTARY) (SPEED CONTROL)	
		1	**3L-8187**	3	LOCKWASHER	
		1	**6T-3631**	2	NUT-HEX (15/32-32-THD)	
		1	**6T-3632**	1	LOCKWASHER	
		1	**6T-3633**	1	RING-LOCKING	
		1	**6V-8374**	3	SCREW-MACHINE (6-32X0.25-IN)	
	15	1	**137-2133**	1	PLATE	
	16	1	**137-2113**	1	ENCLOSURE	
	17	1	**5P-8500**	1	KEY (IGNITION)	
	18	1	**137-5135**	2	BRACKET	
	19	1	**9F-8125**	8	LOCKWASHER	
	20	1	**4B-1237**	8	SCREW-MACHINE (10-32X12.7-MM)	
	21	1	**3E-8035**	4	SCREW-MACHINE	
	22	1	**2N-2372**	2	LAMP (12-VOLT)	
	23	1	**141-9228**	1	LAMP AS (INDICATOR)	
		1	**2V-7087**	1	LENS-AMBER (INDICATOR)	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
		1	**6V-8817**	2	SCREW-MACHINE (4-36X4.76-IN)	
	24	1	**142-2245**	1	FILM-CONTROL PANEL	



TOP VIEW



FRONT VIEW

GRAPHIC #1 **<END>** g00788835

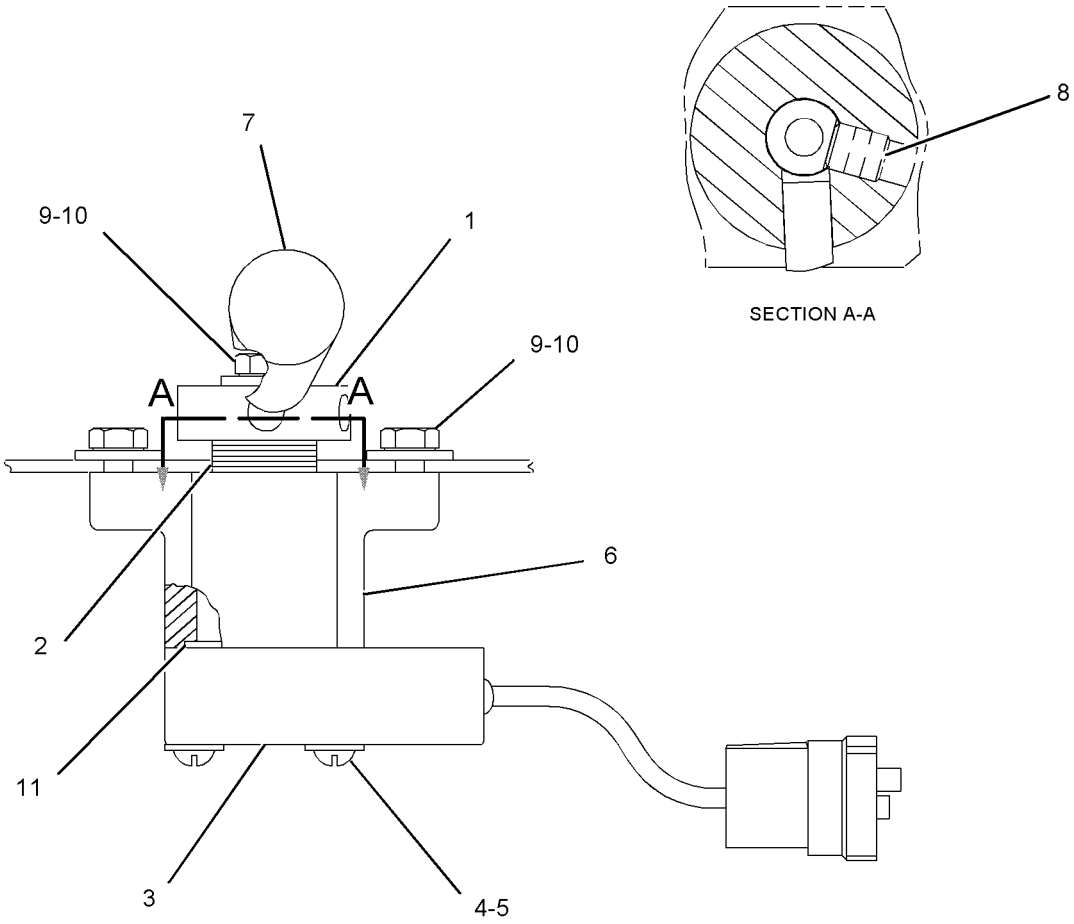
134-0597 CONTROL GP-ENGINE SPEED

LEVER OPERATED
FOR USE WITH ELECTRONIC ENGINES
AN ATTACHMENT

SMCS-1901 **i03213301**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**114-0268**	1	LEVER AS	
	2	1	**2N-9421**	6	SPRING-DISC	
Y	3	1	**219-2384**	1	SENSOR GP-POSITION (ROTARY) (ENGINE SPEED)	889
	4	1	**4B-4274**	2	WASHER (5.5X13X1.2-MM THK)	
	5	1	**2F-7888**	2	SCREW-MACHINE (10-32X1.25-IN)	
	6	1	**166-0690**	1	BLOCK AS-MOUNTING	
	7	1	**039-7601**	1	KNOB (OPERATOR CONTROL)	
	8	1	**8B-7179**	1	SETSCREW-SOCKET (5/16-18X0.375-IN)	
	9	1	**031-0215**	3	BOLT-LOCKING (1/4-20X0.625-IN)	
	10	1	**5P-4115**	3	WASHER-HARD (7.2X19X2-MM THK)	
	11	1	**6V-0894**	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION



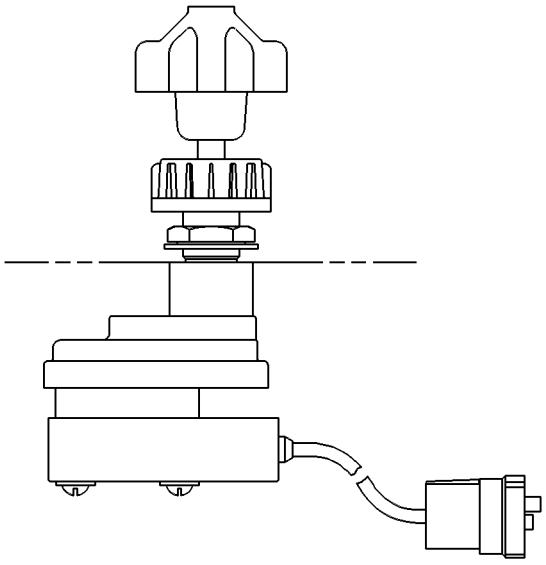
GRAPHIC #1 **<END>** g01088428

134-0670 CONTROL GP-ENGINE SPEED

KNOB OPERATED
FOR USE WITH ELECTRONIC ENGINES
AN ATTACHMENT

SMCS-1901 **i02362305**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00263246

ELECTRICAL AND STARTING SYSTEM

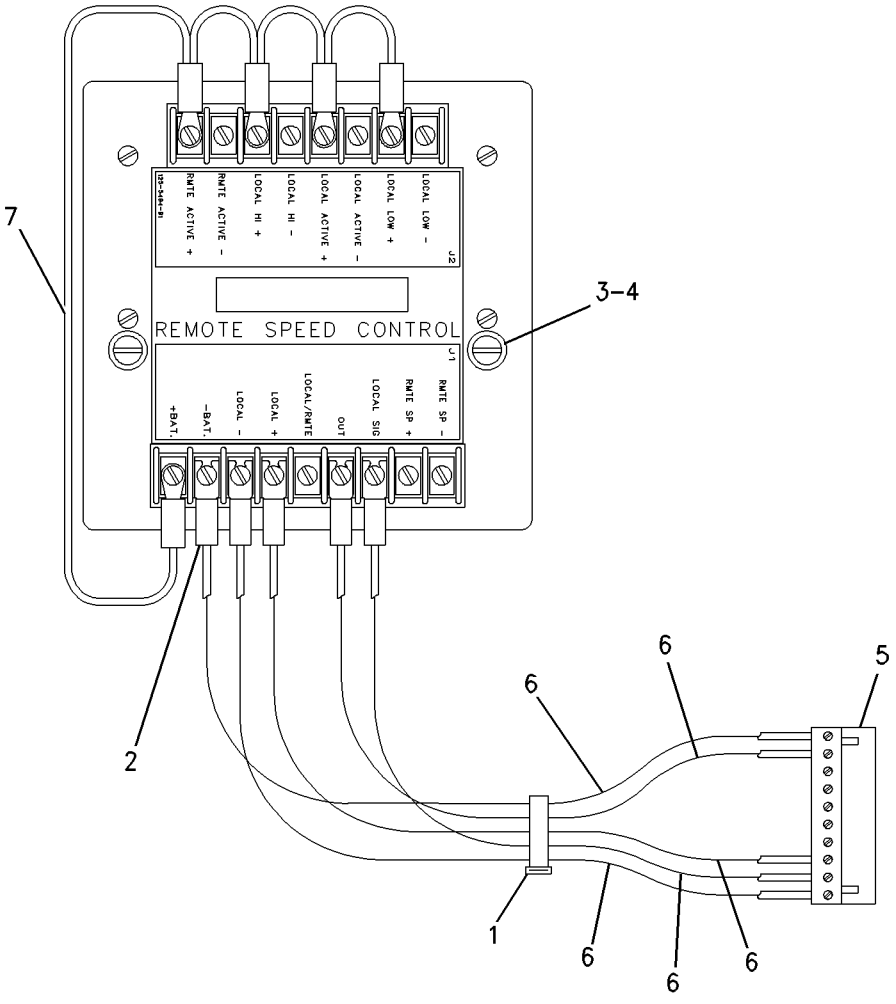
140-2175 CONTROL GP-REMOTE SPEED

AN ATTACHMENT

SMCS-1907, 1915 **i01678441**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8L-8413**	1	STRAP-CABLE	
	2	1	**5P-2321**	5	TERMINAL-FORK (14-GA TO 16-GA, NO. 6 SCREW)	
	3	1	**7S-1198**	2	SCREW-MACHINE (8-32X1.5-IN)	
	4	1	**4B-4863**	2	WASHER (4.7X11X1.2-MM THK)	
	5	1	**9X-9672**	1	CONNECTOR-PLUG	
BD	6	1	**5P-5677**		WIRE (18-GA, BLACK)	
	7	1	**132-5559**	1	WIRE AS (18-GA)	

B-USE AS REQUIRED
D-ORDER BY THE METER



GRAPHIC #1 **<END>** g00730904

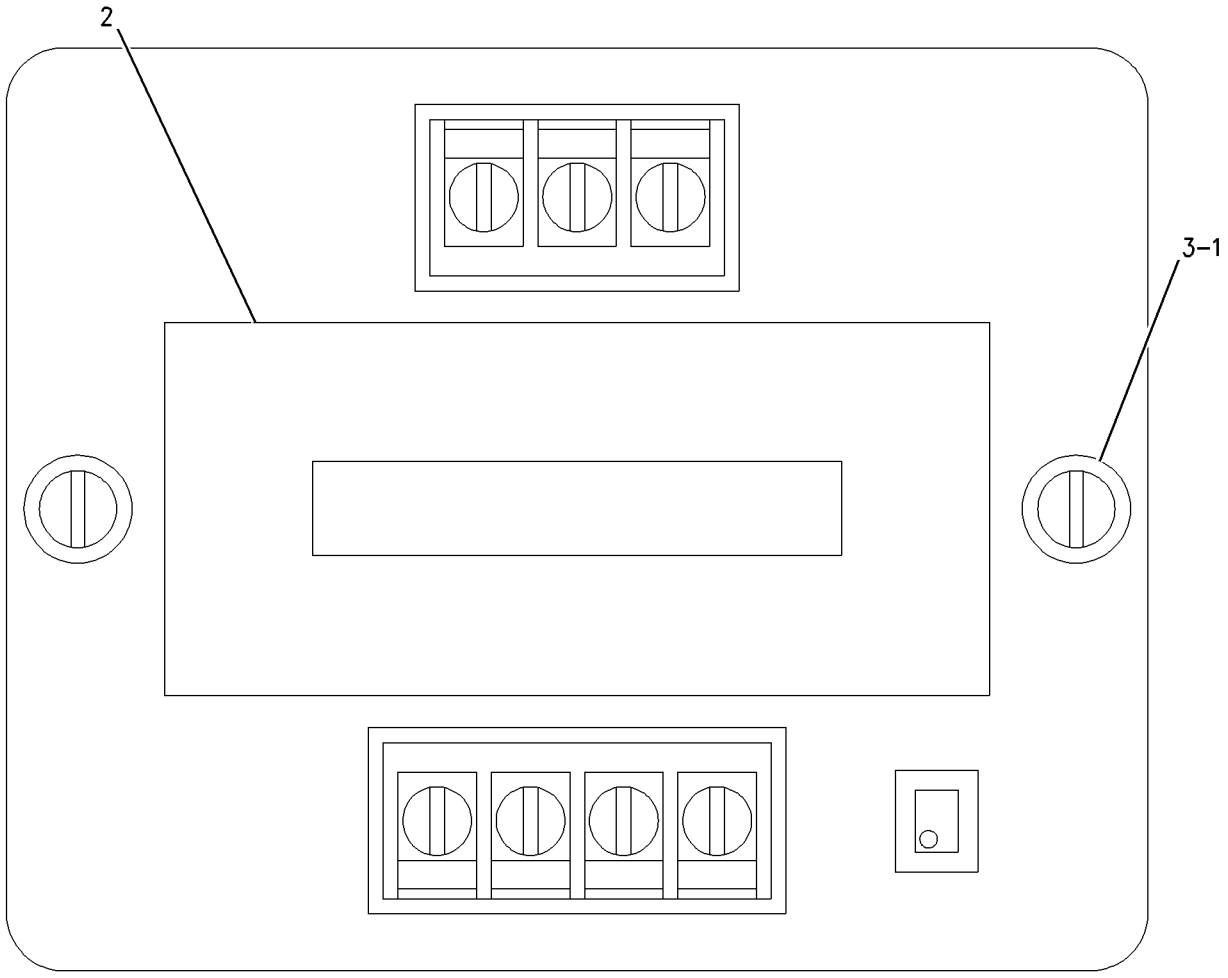
9X-9591 CONVERTER GP-ELECTRICAL

PULSE WIDTH MODULATED

AN ATTACHMENT

SMCS-1421 **i03686440**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-4863**	2	WASHER (4.7X11X1.2-MM THK)	
	2	1	**9X-9857**	1	FILM-IDENTIFICATION (CATERPILLAR)	
	3	1	**3K-8106**	2	SCREW-MACHINE (8-32X1-IN)	



GRAPHIC #1 **<END>** g00774430

ELECTRICAL AND STARTING SYSTEM

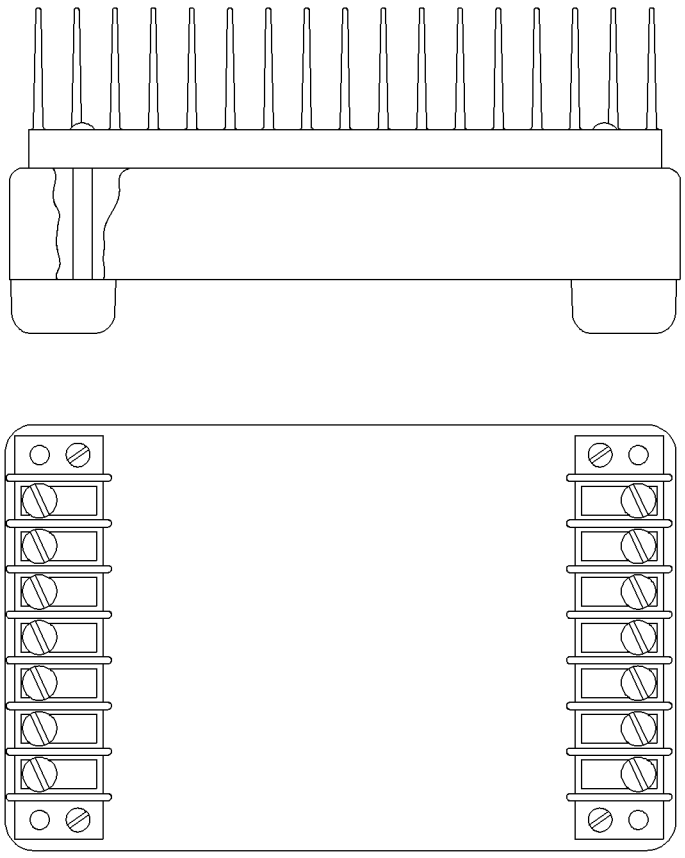
127-8853 CONVERTER GP-ELECTRICAL

12 VDC TO 24 VDC CONVERTER

AN ATTACHMENT

SMCS-1421 **i01302140**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



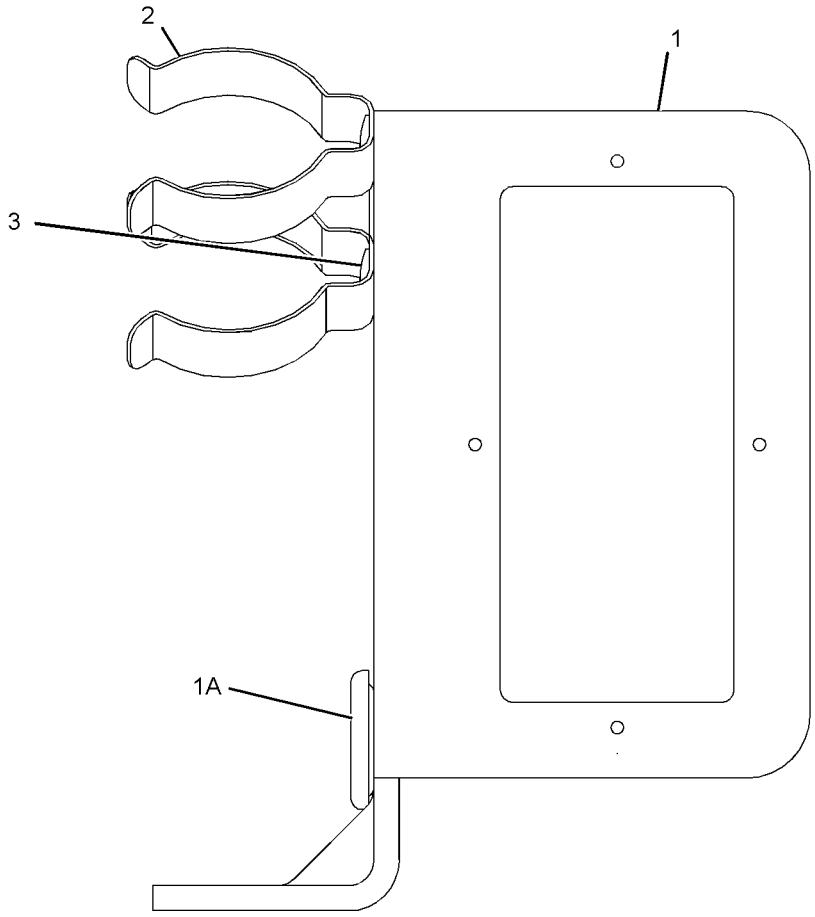
GRAPHIC #1 **<END>** g00691213

131-5526 FASTENER GP-WIRING HARNESS

PART OF 264-2352 WIRING GP-ELECTRONIC CONTROL
AN ATTACHMENT

SMCS-1408, 7553 **i03558483**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**110-8213**	1	BRACKET AS	
	1A	1	**4M-0200**	1	STUD-WELD (3/8-16X1.5-IN)	
	2	1	**7C-2644**	1	CLIP	
	3	1	**8C-3334**	2	RIVET-TUBULAR	



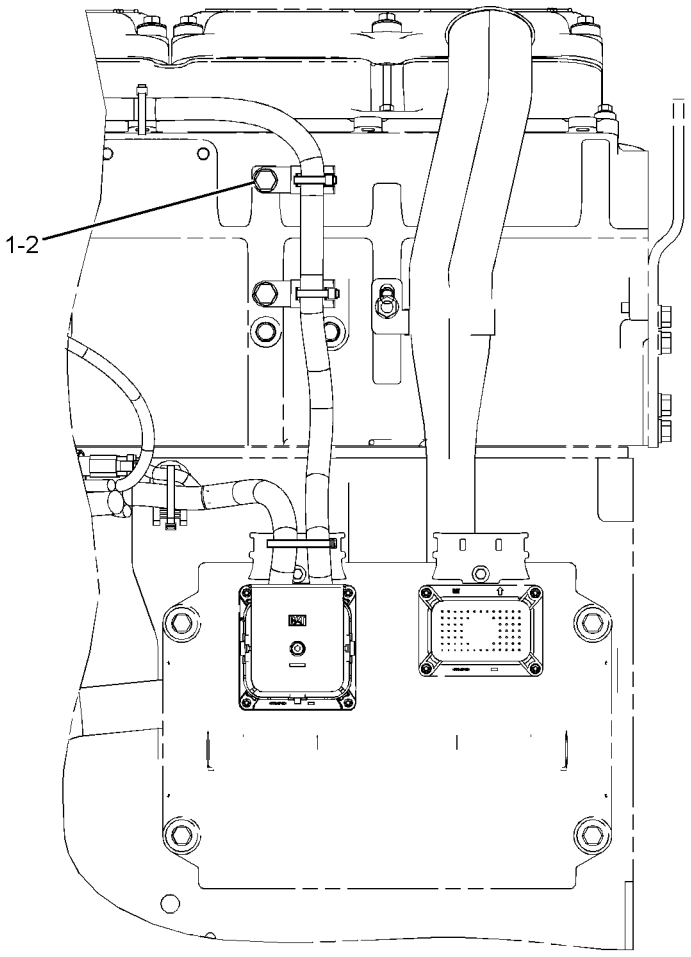
GRAPHIC #1 **<END>** g01881838

238-9384 FASTENER GP-ENGINE WIRING

CANNOT BE USED WITH INSTRUMENT PANEL MOUNTING GROUP
AN ATTACHMENT

SMCS-1408, 7553 **i02120947**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



LEFT SIDE VIEW

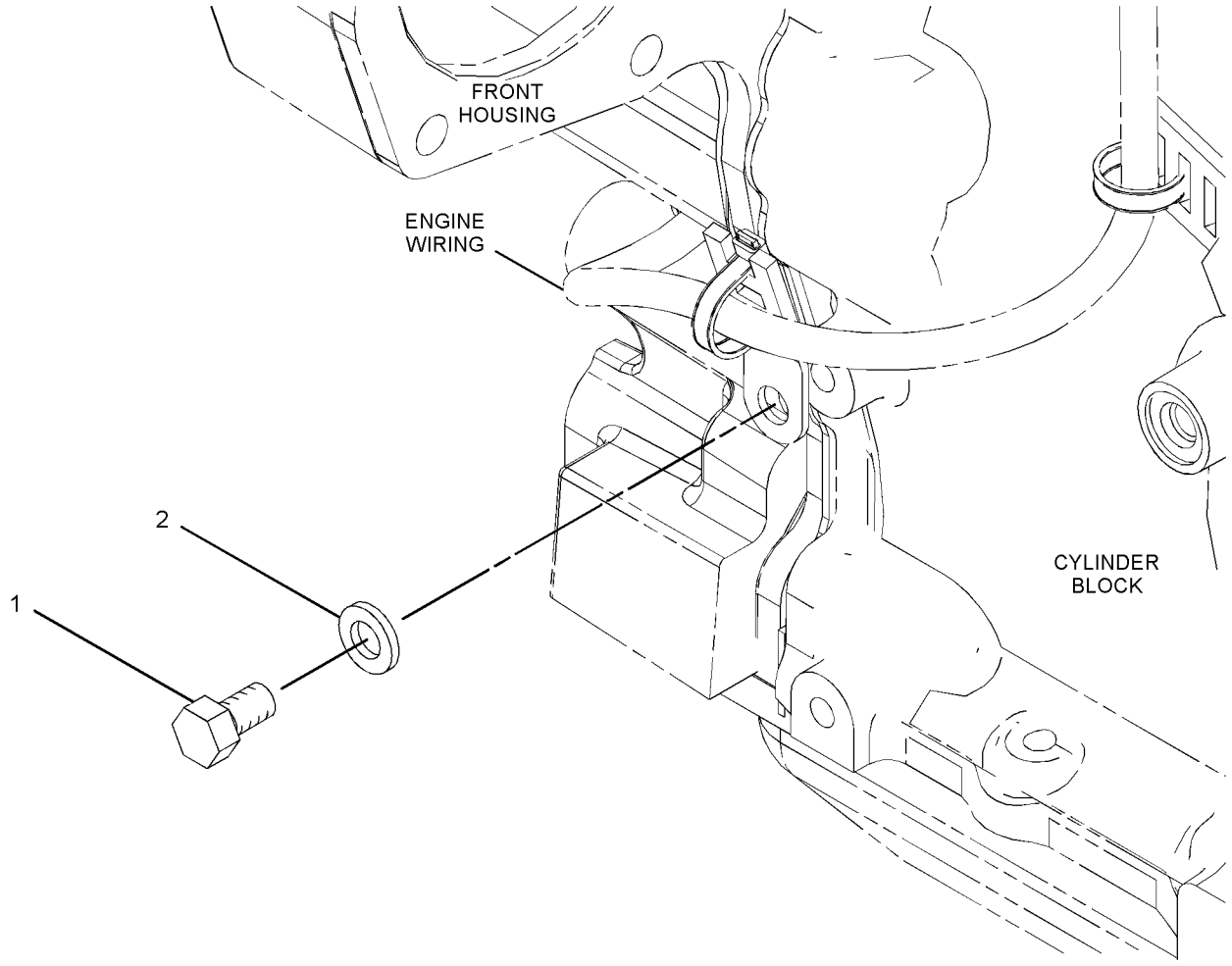
GRAPHIC #1 **<END>** g01080790

285-0028 FASTENER GP-ENGINE WIRING

CANNOT BE USED WITH 237-4290—PAGE 729
AN ATTACHMENT

SMCS-1408, 7553 **i02490941**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**0T-0102**	1	BOLT (3/8-16X0.625-IN)	
	2	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	



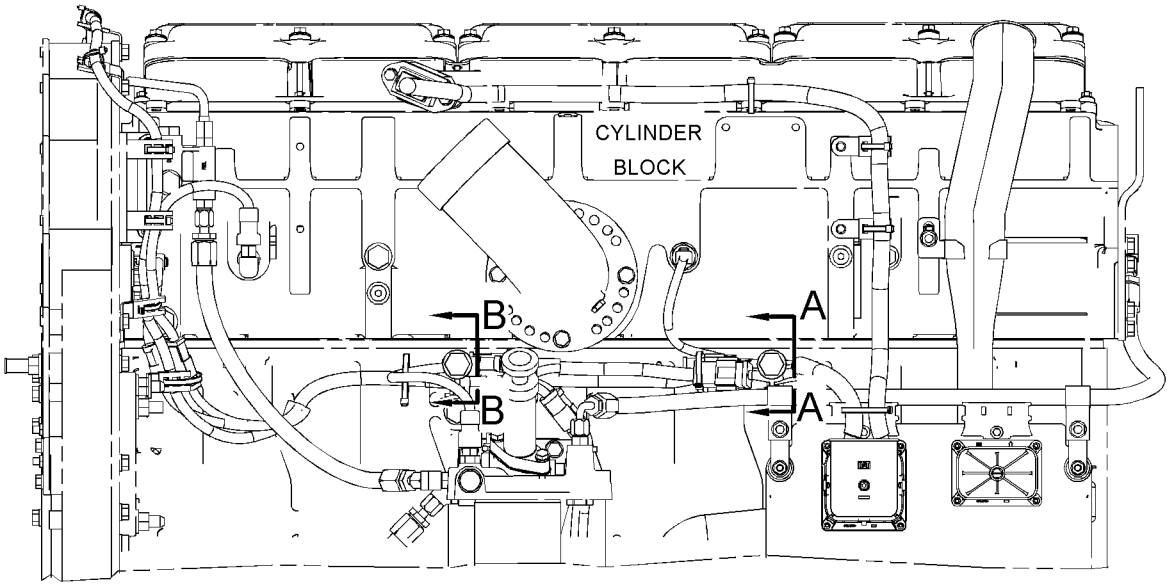
GRAPHIC #1 **<END>** g01258977

286-9120 FASTENER GP-ENGINE WIRING

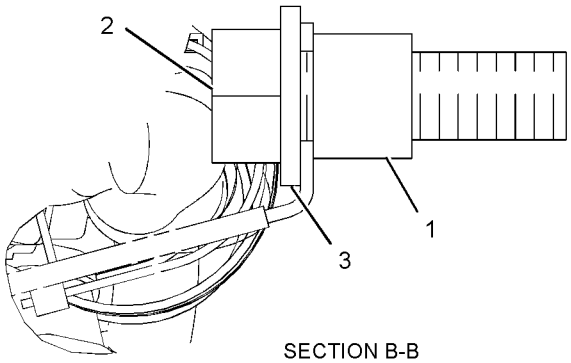
CANNOT BE USED WITH PANEL GP-SOUND SUPPRESSION
AN ATTACHMENT

SMCS-1408, 7553 **i02491613**

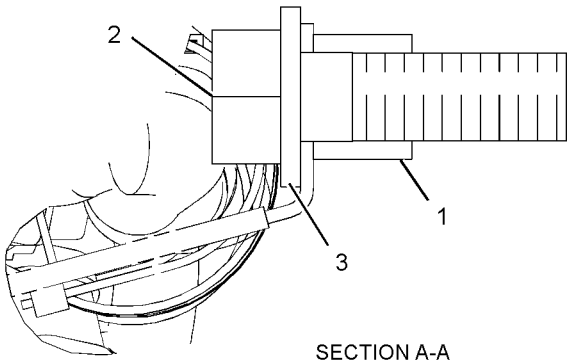
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2B-2814**	2	SPACER (17.4X22.2X17.5-MM THK)	
	2	1	**0S-1576**	2	BOLT (5/8-18X2-IN)	
	3	1	**5P-8247**	2	WASHER-HARD (17X32X3.5-MM THK)	



LEFT SIDE VIEW



SECTION B-B



SECTION A-A

GRAPHIC #1 **<END>** g01258719

248-0471 HARNESS AS-PANEL

PART OF 266-2296 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-1408, 7451 **i02600858**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	155-2274	6	KIT-CONNECTING PLUG (6-PIN)	
			(EACH INCLUDES PLUG AS & WEDGE)	
	3S-2093	10	STRAP-CABLE	

<END>

197-7572 HARNESS AS-SENSOR

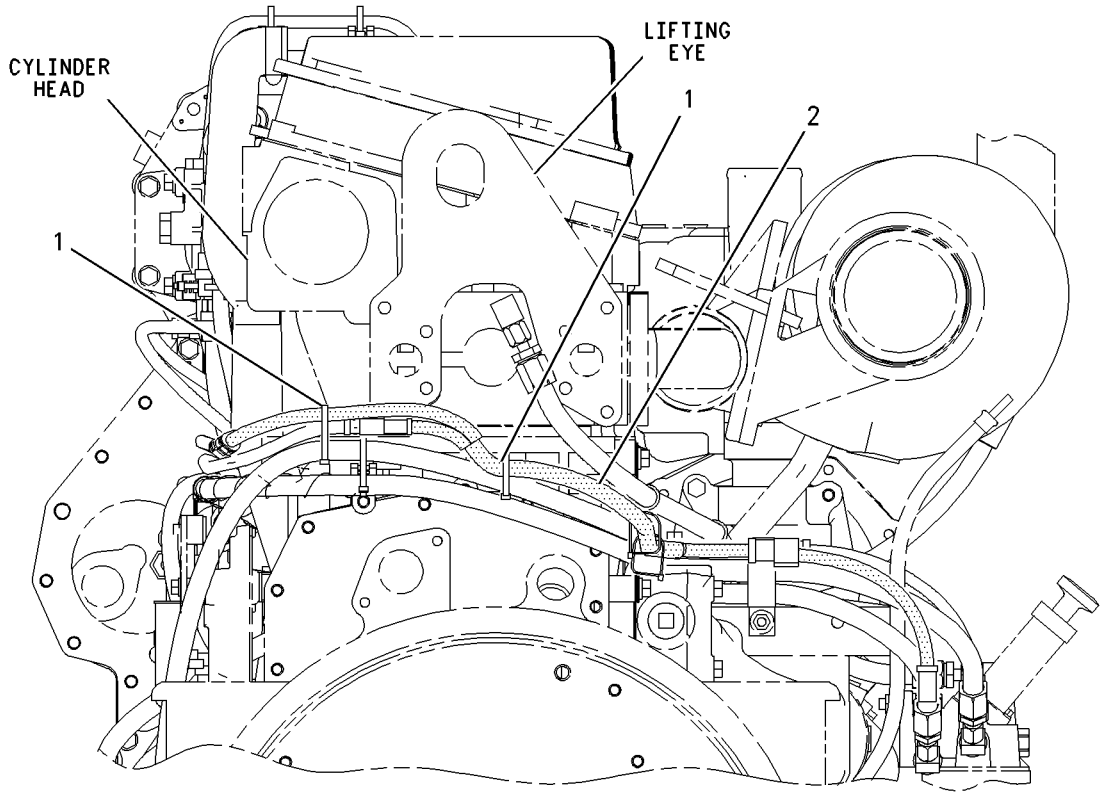
RH FUEL

AN ATTACHMENT

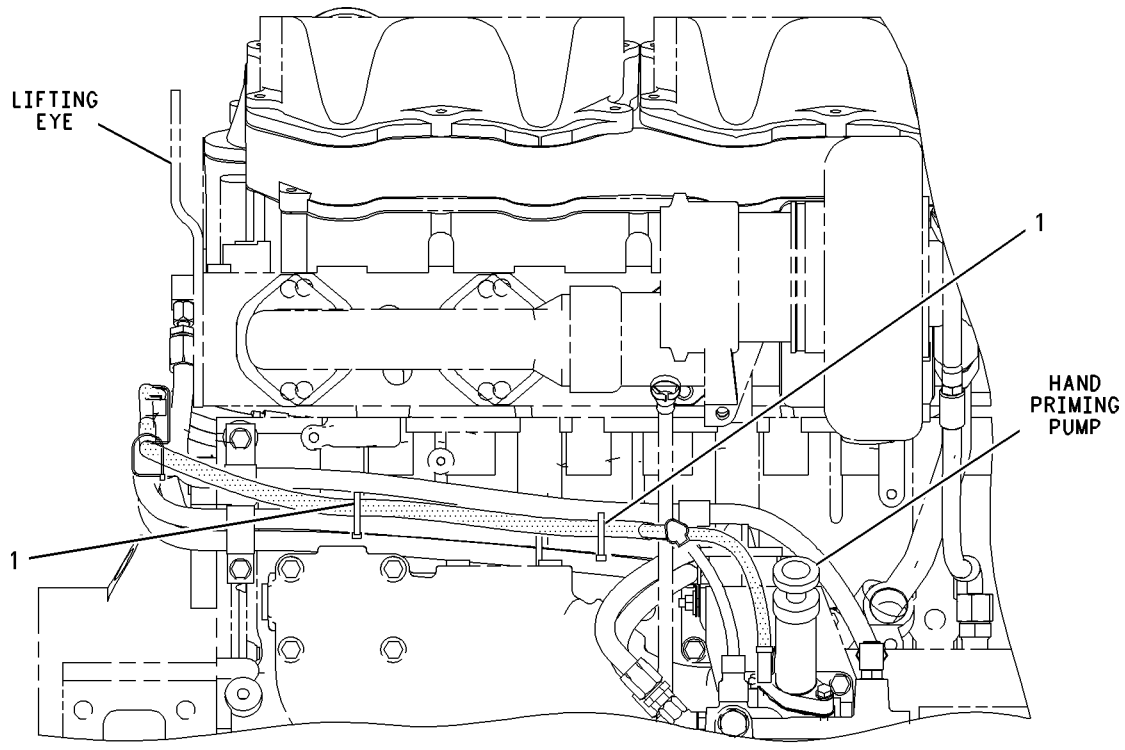
SMCS-1408 **i02757163**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	4	STRAP-CABLE	
	2	1	**198-1407**	1	HARNESS AS-SENSOR	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
		1	**155-2270**	1	KIT-CONNECTING PLUG (2-PIN)	
					(EACH PLUG KIT INCLUDES PLUG AS AND WEDGE)	

197-7572 **HARNESS AS-SENSOR** *(contd.)* **i02757163**



REAR VIEW



RIGHT SIDE VIEW

GRAPHIC #1 **<END>** g00771605

212-8255 HARNESS AS-WIRING—DATA LINK GAUGES

PROVIDES Y PIGTAIL
PART OF 232-4608 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-1408 **i02612550**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	102-8805	1	KIT-RECEPTACLE (6-PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	155-2274	1	KIT-CONNECTING PLUG (6-PIN)	
			(INCLUDES PLUG AS AND WEDGE)	

<END>

212-8259 HARNESS AS-WIRING—DATA LINK GAUGES

PROVIDES DATA LINK GAUGES J1939 MALE-FEMALE ADAPTER HARNESS 80MM IN LENGTH
PART OF 232-4608 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-1408 **i02706416**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	102-8801	1	KIT-RECEPTACLE (12-PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	155-2274	3	KIT-CONNECTING PLUG (6-PIN)	
			(EACH INCLUDES PLUG AS AND WEDGE)	
	176-9299	1	KIT-RECEPTACLE (3-PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	

<END>

221-0777 HARNESS AS-WIRING—MARINE ANALOG POWER DISPLAY

PART OF 232-4608 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-1408 **i02252350**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	102-8805	1	KIT-RECEPTACLE (6-PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	176-9299	1	KIT-RECEPTACLE (3-PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	

<END>

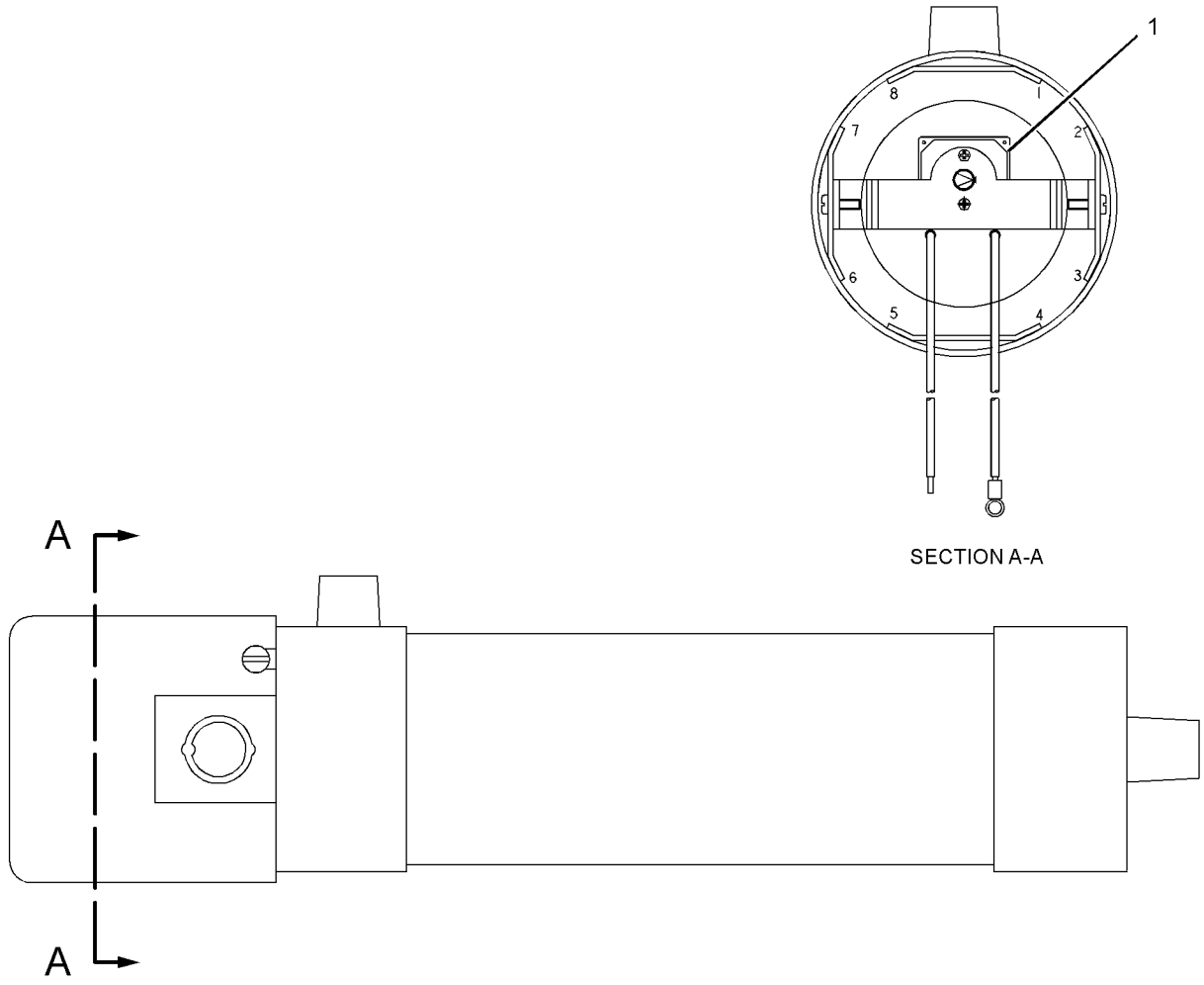
7E-6247 HEATER GP-JACKET WATER

120-VOLT TO 240-VOLT, 3-KILOWATT
AN ATTACHMENT
TYPE 1

SMCS-1383 **i03021944**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**127-6260**	1	THERMOSTAT AS (20-DEG C TO 80-DEG C) (JACKET WATER HEATER)	

C-CHANGE FROM PREVIOUS TYPE



SECTION A-A

GRAPHIC #1

<END>

g01397474

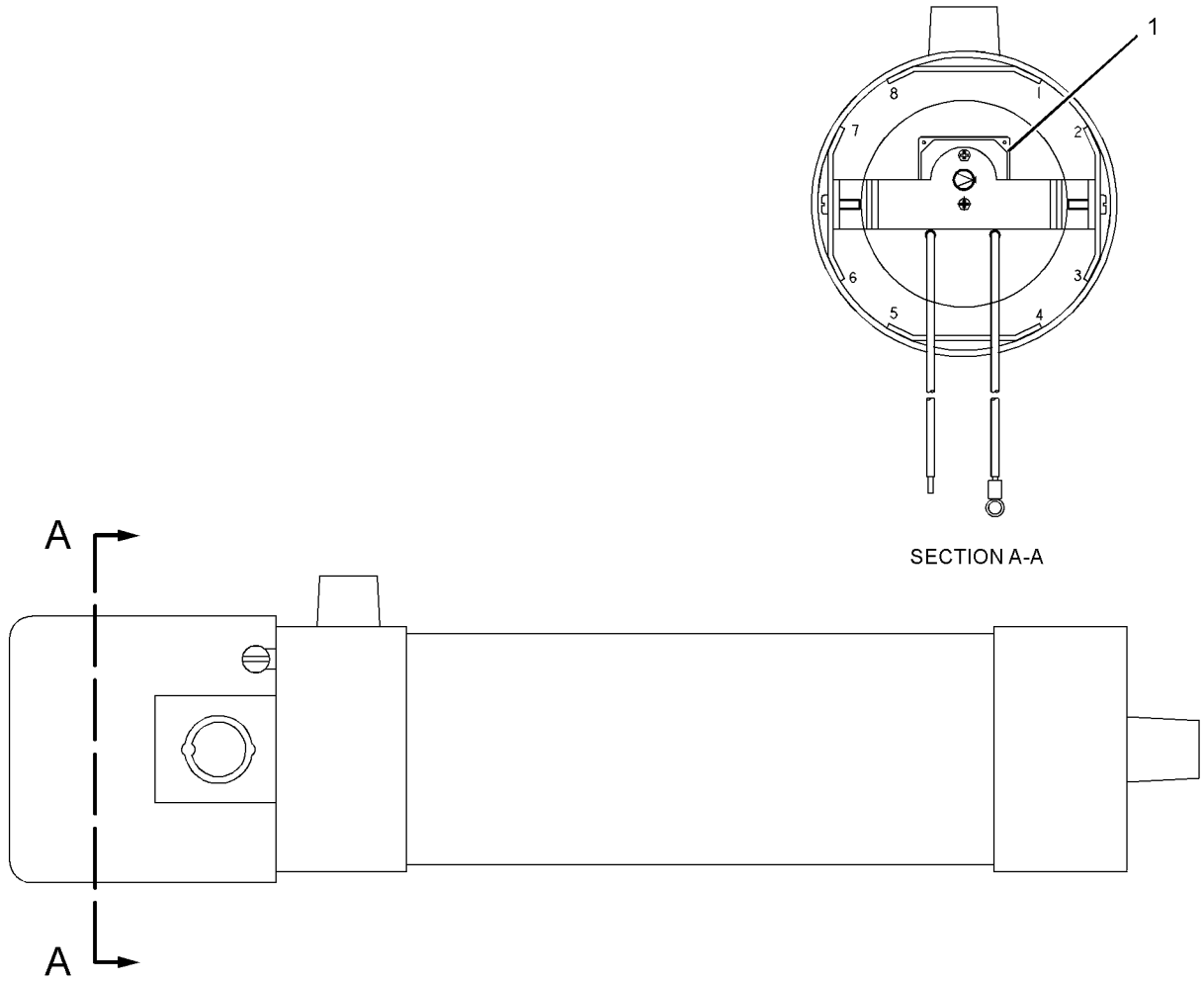
7E-6247 HEATER GP-JACKET WATER

120-VOLT TO 240-VOLT, 3-KILOWATT
AN ATTACHMENT
TYPE 2

SMCS-1383 **i03167895**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**109-8932**	1	THERMOSTAT (60 DEG F TO 160 DEG F) (JACKET WATER HEATER)	

C-CHANGE FROM PREVIOUS TYPE



SECTION A-A

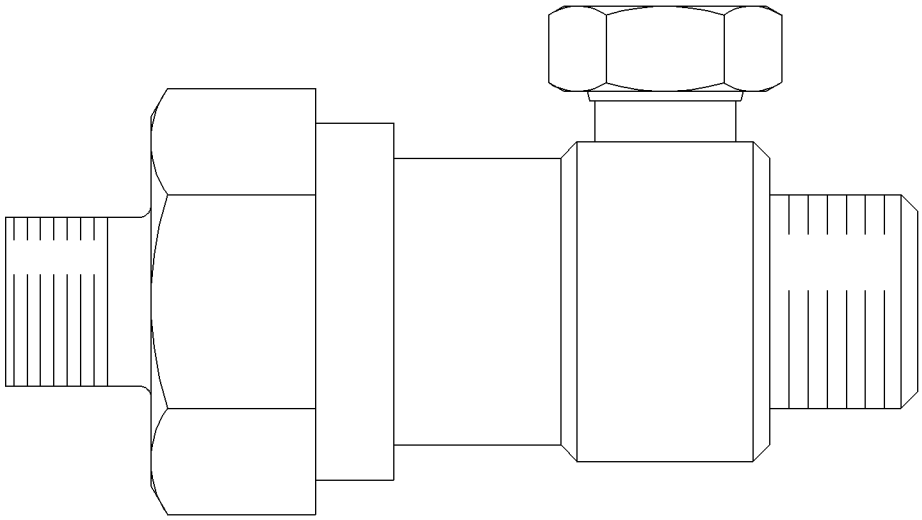
GRAPHIC #1 **<END>** g01397474

172-0208 LUBRICATOR GP-AIR MOTOR

PART OF 136-2640, 136-2641 STARTING MOTOR GP-AIR
AN ATTACHMENT

SMCS-1451 **i02116375**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					AVAILABLE REPAIR KIT(S):	
			186-4180	1	KIT-SEAL (AIR MOTOR LUBRICATOR)	
					(INCLUDES SEAL-O-RINGS, FILTER, SEAL-U-CUP AND SPRING)	



GRAPHIC #1 **<END>** g00673434

ELECTRICAL AND STARTING SYSTEM

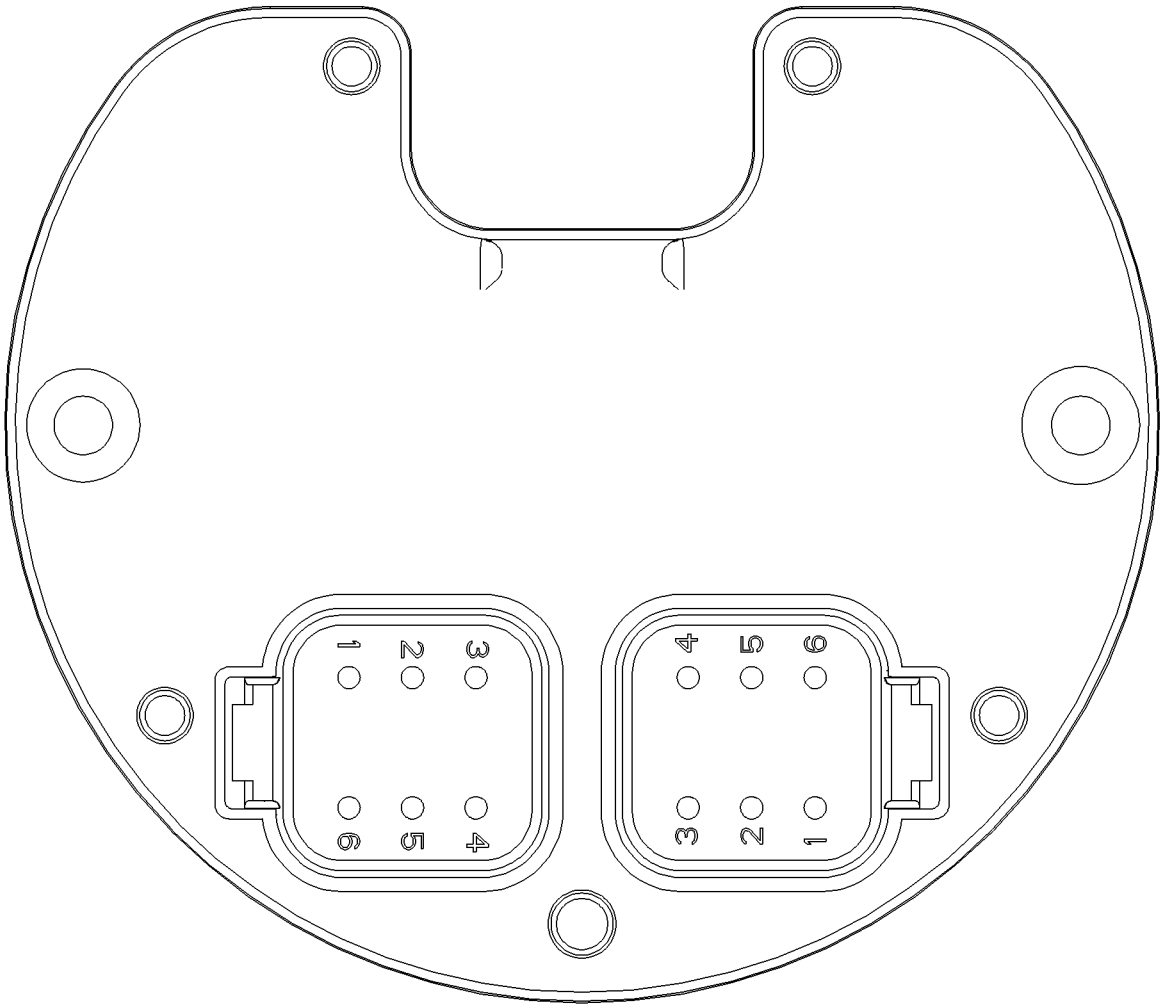
210-4309 MODULE GP-INTERFACE

PART OF 232-4608 PANEL GP-INSTRUMENT

AN ATTACHMENT

SMCS-7600 **i01829922**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00936238

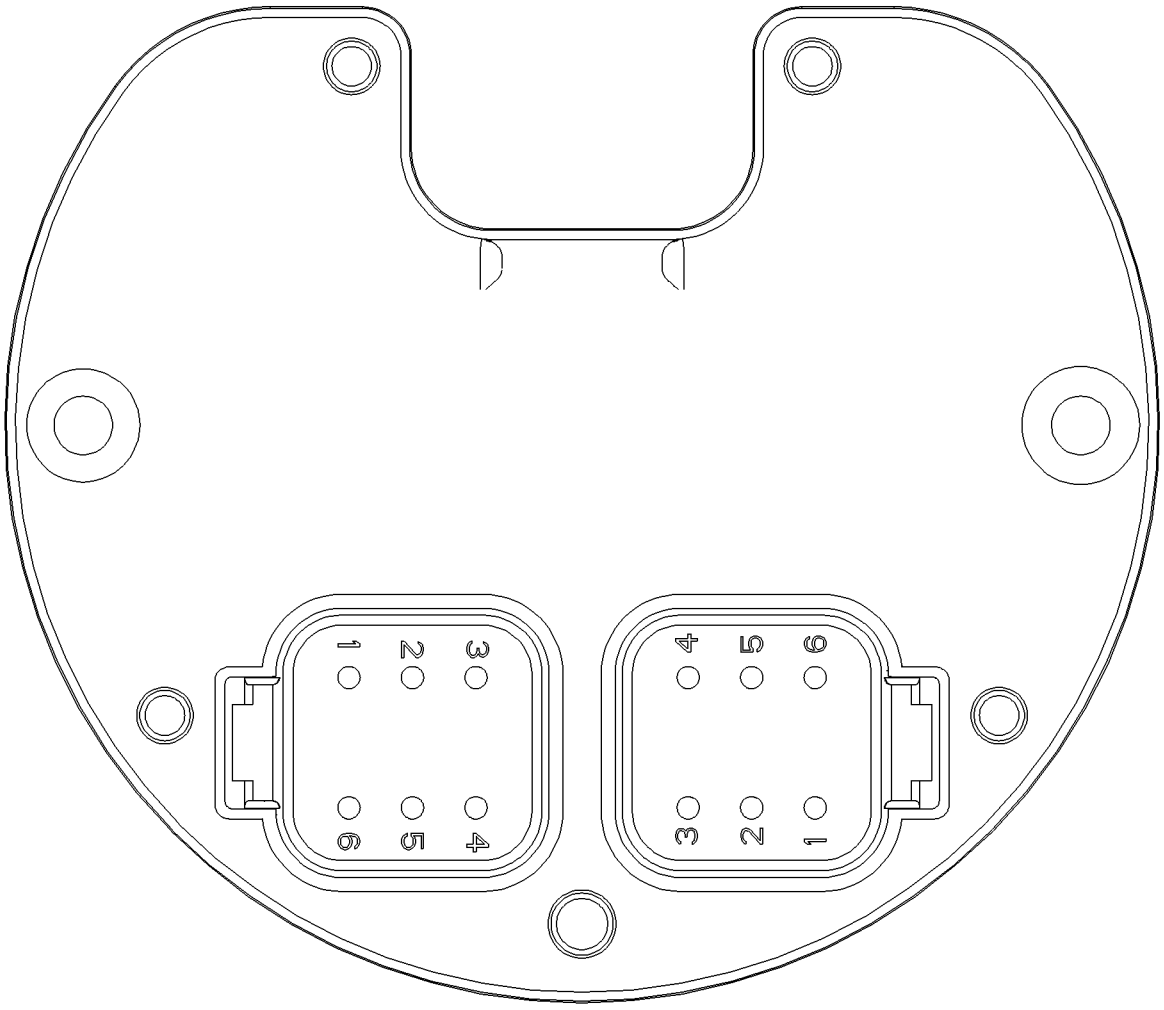
274-8068 MODULE GP-INTERFACE

PART OF 266-2296 PANEL GP-INSTRUMENT

AN ATTACHMENT

SMCS-7600 **i02512447**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g00936238

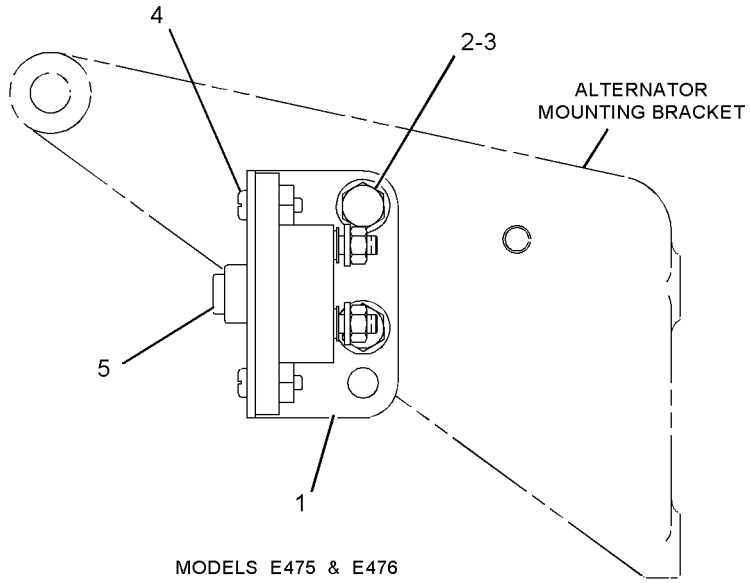
ELECTRICAL AND STARTING SYSTEM

134-0603 MOUNTING GP-CIRCUIT BREAKER

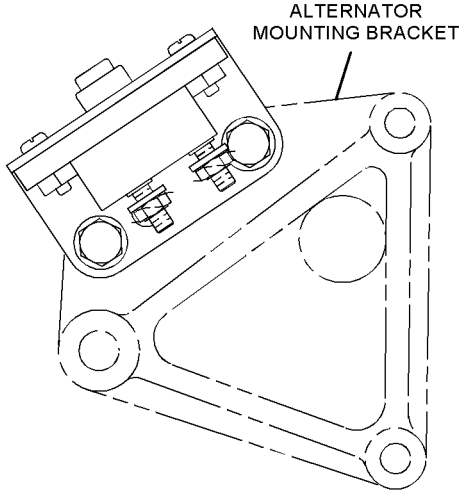
FOR USE WITH 60-AMPERE CIRCUIT BREAKER
AN ATTACHMENT

SMCS-1420, 4461 **i02505916**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**134-0390**	1	BRACKET	
	2	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	3	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	4	1	**030-1193**	2	SCREW-MACHINE (10-32X19.05-MM)	
	5	1	**171-2208**	1	CIRCUIT BREAKER AS (60-AMPERE)	
		1	**253-2111**	2	LOCKWASHER	
		1	**6V-8187**	2	NUT (1/4-28-THD)	
		1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	



MODELS E475 & E476



MODELS E463, E616, E617, E708 & E709

REAR VIEW

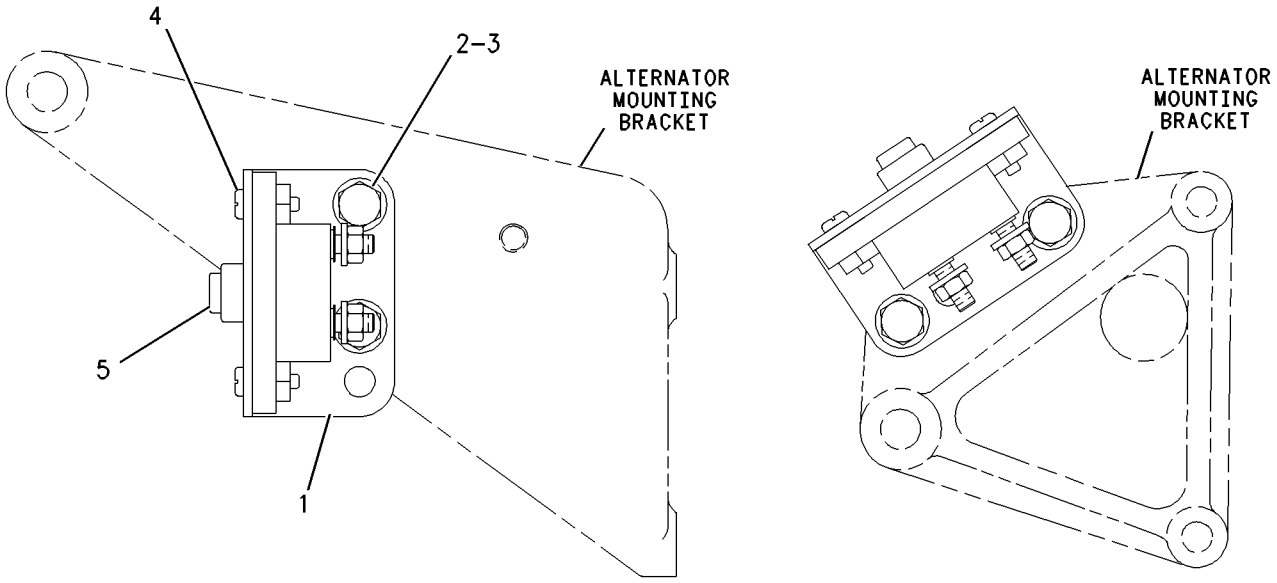
GRAPHIC #1 **<END>** g01135799

134-0604 MOUNTING GP-CIRCUIT BREAKER

FOR USE WITH 105-AMPERE CIRCUIT BREAKER
AN ATTACHMENT

SMCS-1420, 4461 **i02067579**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**134-0390**	1	BRACKET	
	2	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**030-1193**	2	SCREW-MACHINE (10-32X19.05-MM)	
	5	1	**171-2212**	1	CIRCUIT BREAKER AS (105-AMPERE)	
		1	**1H-3244**	2	LOCKWASHER	
		1	**6V-8187**	2	NUT (1/4-28-THD)	
		1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	



MODELS E475 & E476 MODELS E463

REAR VIEW

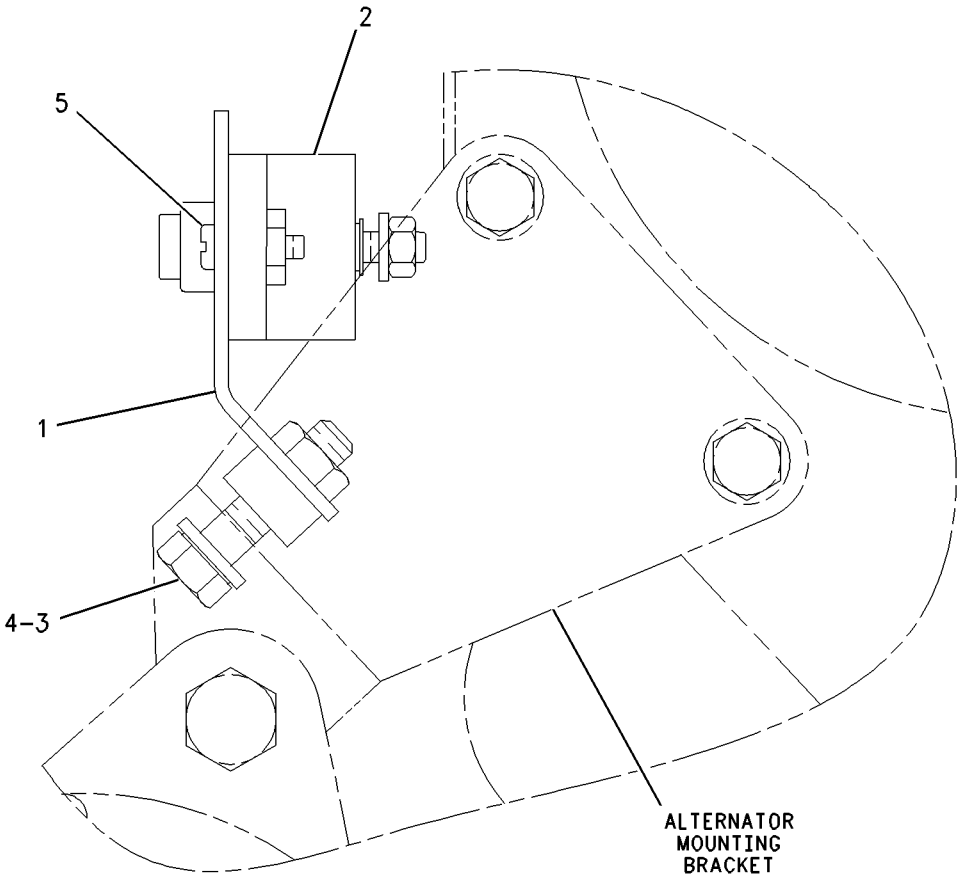
GRAPHIC #1 **<END>** g00815549

135-6396 MOUNTING GP-CIRCUIT BREAKER

FOR USE WITH MOUNTING GP AND 60-AMPERE ALTERNATOR. CANNOT BE USED WITH FASTENER GP AN ATTACHMENT

SMCS-1420, 4461 **i02505929**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**135-6395**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**091-0081**	2	SPACER (10.5X20X10-MM THK)	
	2	1	**171-2208**	1	CIRCUIT BREAKER AS (60-AMPERE)	
		1	**253-2111**	2	LOCKWASHER	
		1	**6V-8187**	2	NUT (1/4-28-THD)	
		1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	3	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	4	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**030-1193**	2	SCREW-MACHINE (10-32X19.05-MM)	



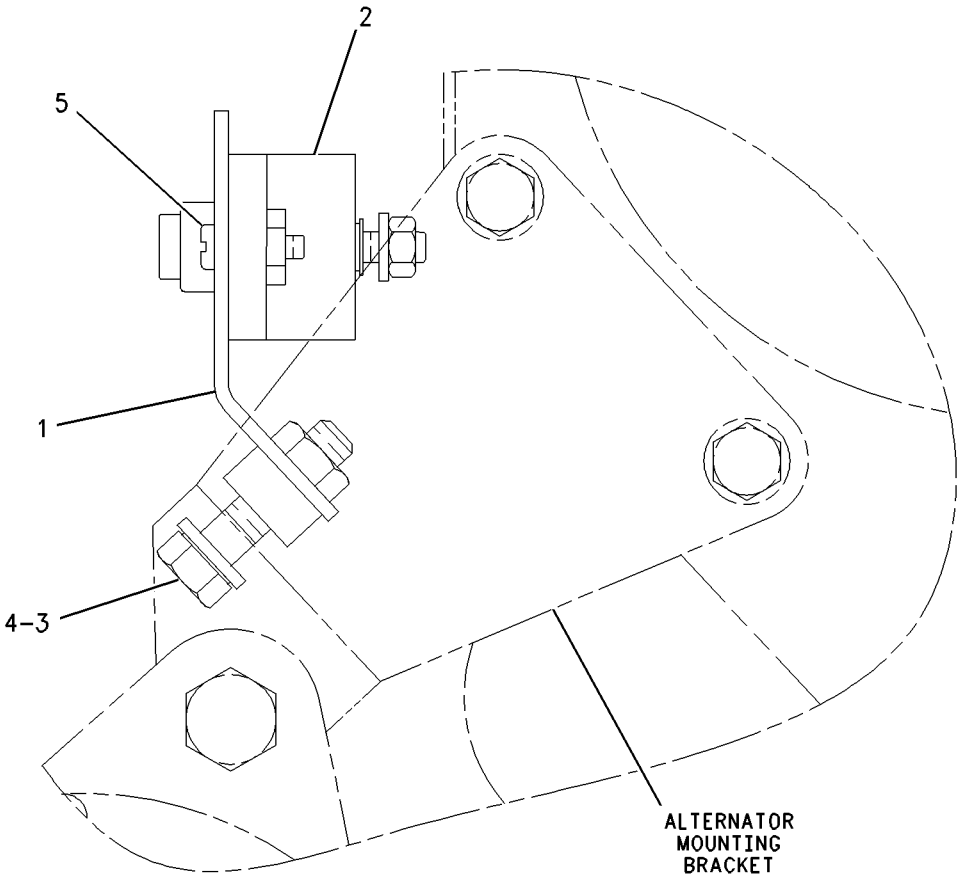
GRAPHIC #1 **<END>** g00815589

135-6397 MOUNTING GP-CIRCUIT BREAKER

FOR USE WITH MOUNTING GP AND 105-AMPERE ALTERNATOR. CANNOT BE USED WITH FASTENER GP AN ATTACHMENT

SMCS-1420, 4461 **i02067575**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**135-6395**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
		1	**091-0081**	2	SPACER (10.5X20X10-MM THK)	
	2	1	**171-2212**	1	CIRCUIT BREAKER AS (105-AMPERE)	
		1	**1H-3244**	2	LOCKWASHER	
		1	**6V-8187**	2	NUT (1/4-28 THD)	
		1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	3	1	**0S-1591**	2	BOLT (3/8-16X1.5-IN)	
	4	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	5	1	**030-1193**	2	SCREW-MACHINE (10-32X19.05-MM)	



GRAPHIC #1 **<END>** g00815589

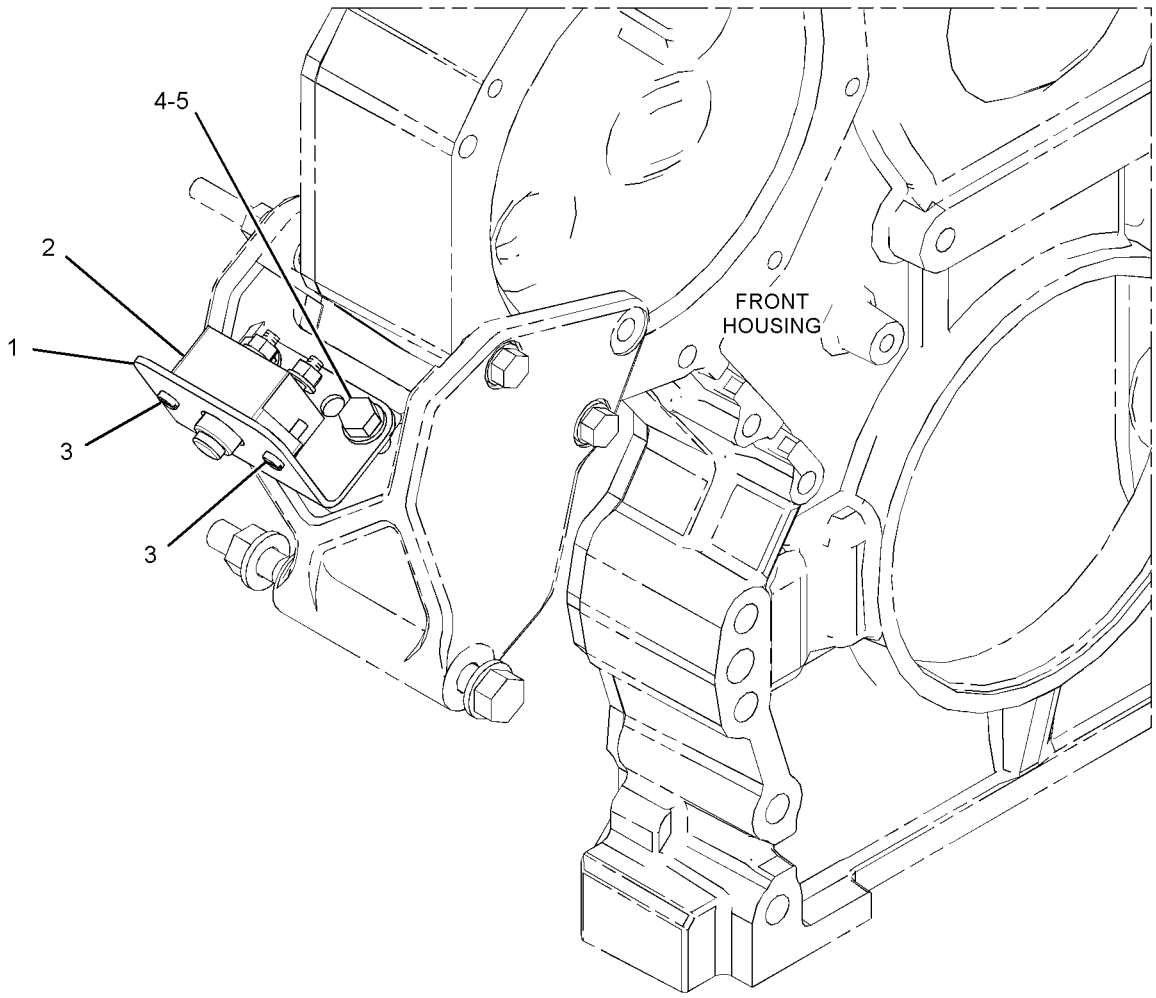
ELECTRICAL AND STARTING SYSTEM

338-1121 MOUNTING GP-CIRCUIT BREAKER

AN ATTACHMENT

SMCS-1420, 4461 **i03525042**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**134-0390**	1	BRACKET	
	2	1	**171-2208**	1	CIRCUIT BREAKER AS (60-AMPERE)	
		1	**6V-8187**	2	NUT (1/4-28-THD)	
		1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
		1	**253-2111**	2	LOCKWASHER	
	3	1	**030-1193**	2	SCREW-MACHINE (10-32X19.05-MM)	
	4	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	5	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



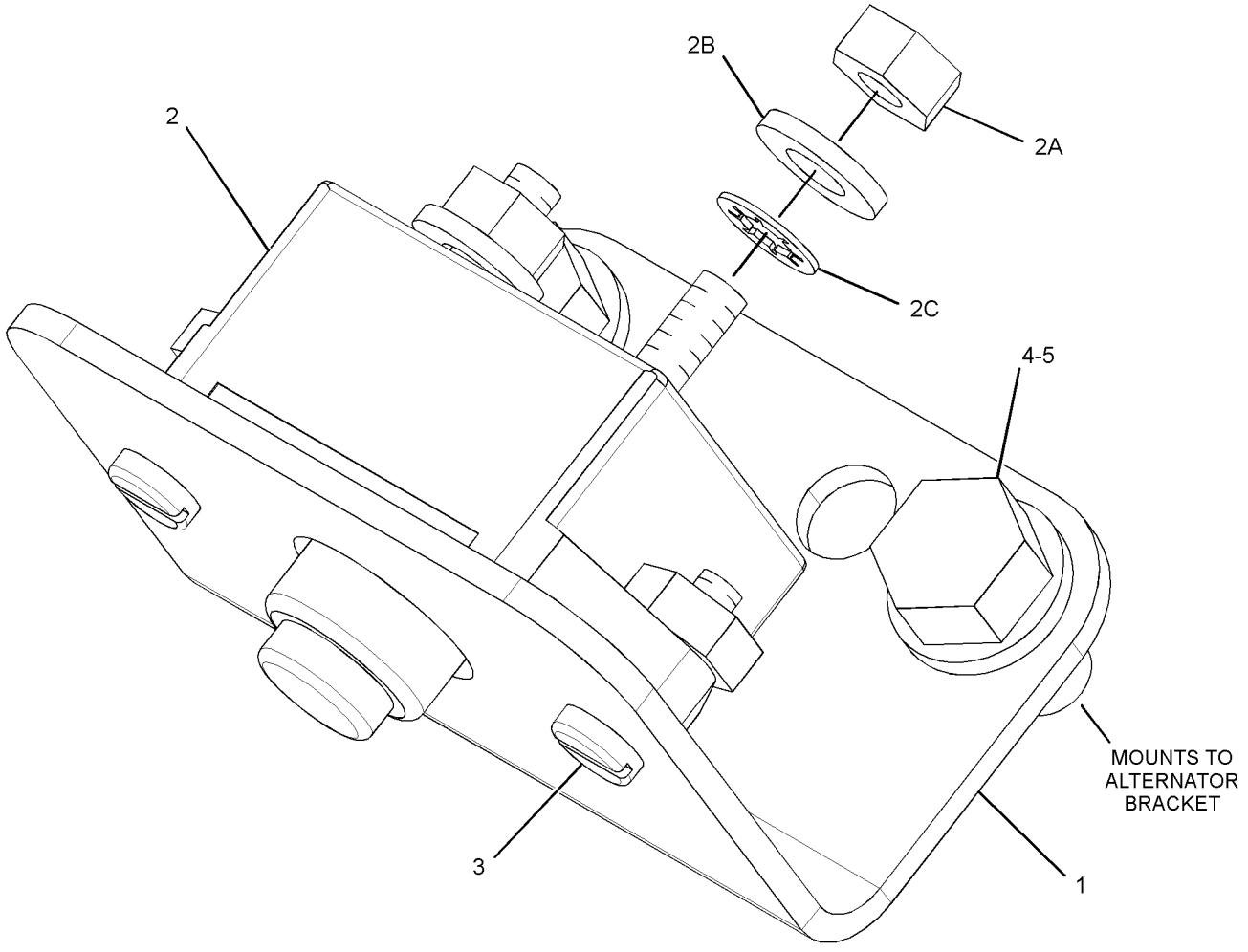
GRAPHIC #1 **<END>** g01841393

338-1122 MOUNTING GP-CIRCUIT BREAKER

AN ATTACHMENT

SMCS-1420, 4461 **i03493922**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**134-0390**	1	BRACKET	
	2	1	**171-2212**	1	CIRCUIT BREAKER AS (105-AMPERE)	
	2A	1	**6V-8187**	2	NUT (1/4-28-THD)	
	2B	1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	2C	1	**253-2111**	2	LOCKWASHER	
	3	1	**030-1193**	2	SCREW-MACHINE (10-32X19.05-MM)	
	4	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	5	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



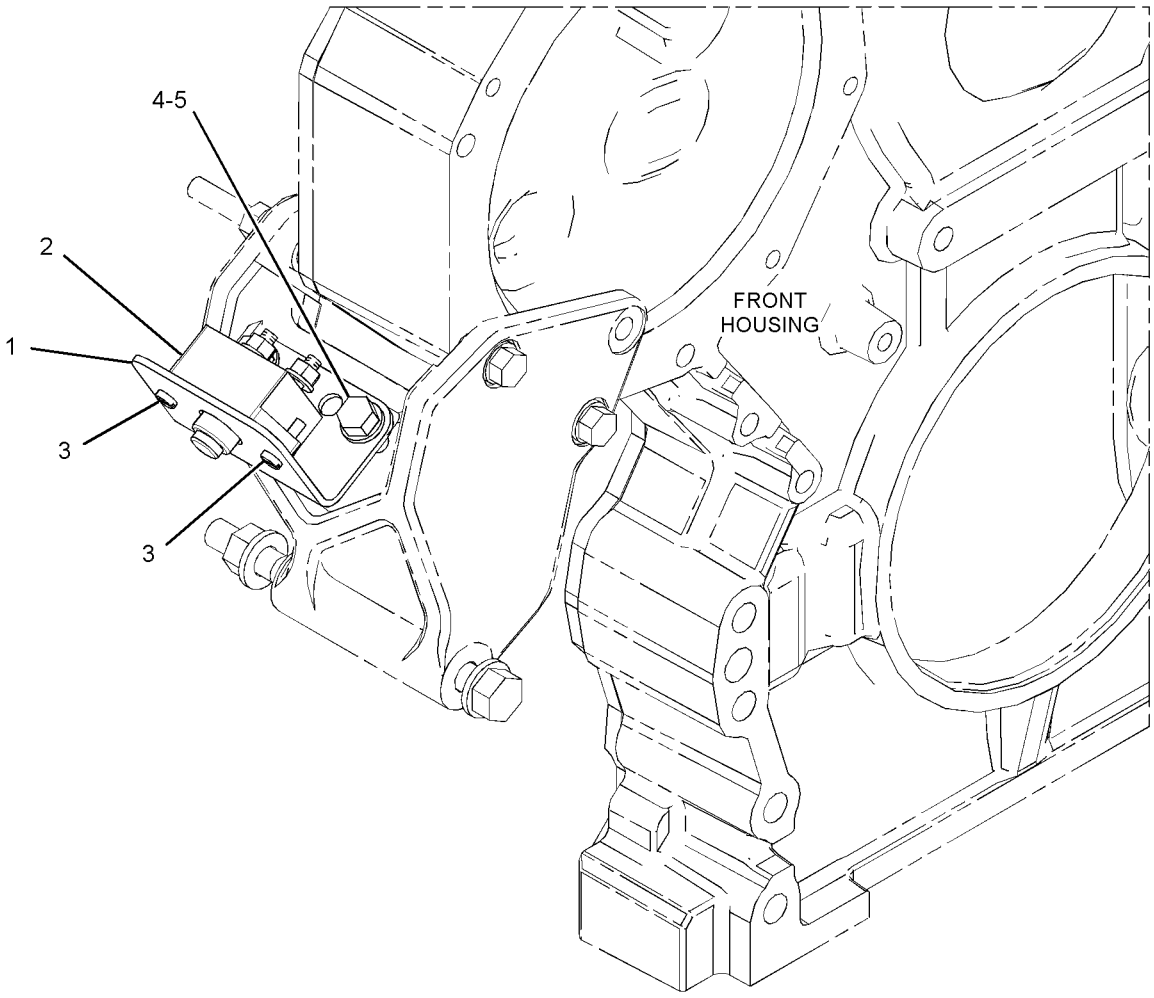
GRAPHIC #1 **<END>** g01833714

339-0996 MOUNTING GP-CIRCUIT BREAKER

PROVIDES 80 AMP CIRCUIT BREAKER
AN ATTACHMENT

SMCS-1420, 4461 **i03469280**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**134-0390**	1	BRACKET	
	2	1	**171-2210**	1	CIRCUIT BREAKER AS (80-AMPERE)	
		1	**6V-8187**	2	NUT (1/4-28-THD)	
		1	**8T-4205**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
		1	**253-2111**	2	LOCKWASHER	
	3	1	**030-1193**	2	SCREW-MACHINE (10-32X19.05-MM)	
	4	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	5	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	



GRAPHIC #1 **<END>** g01841393

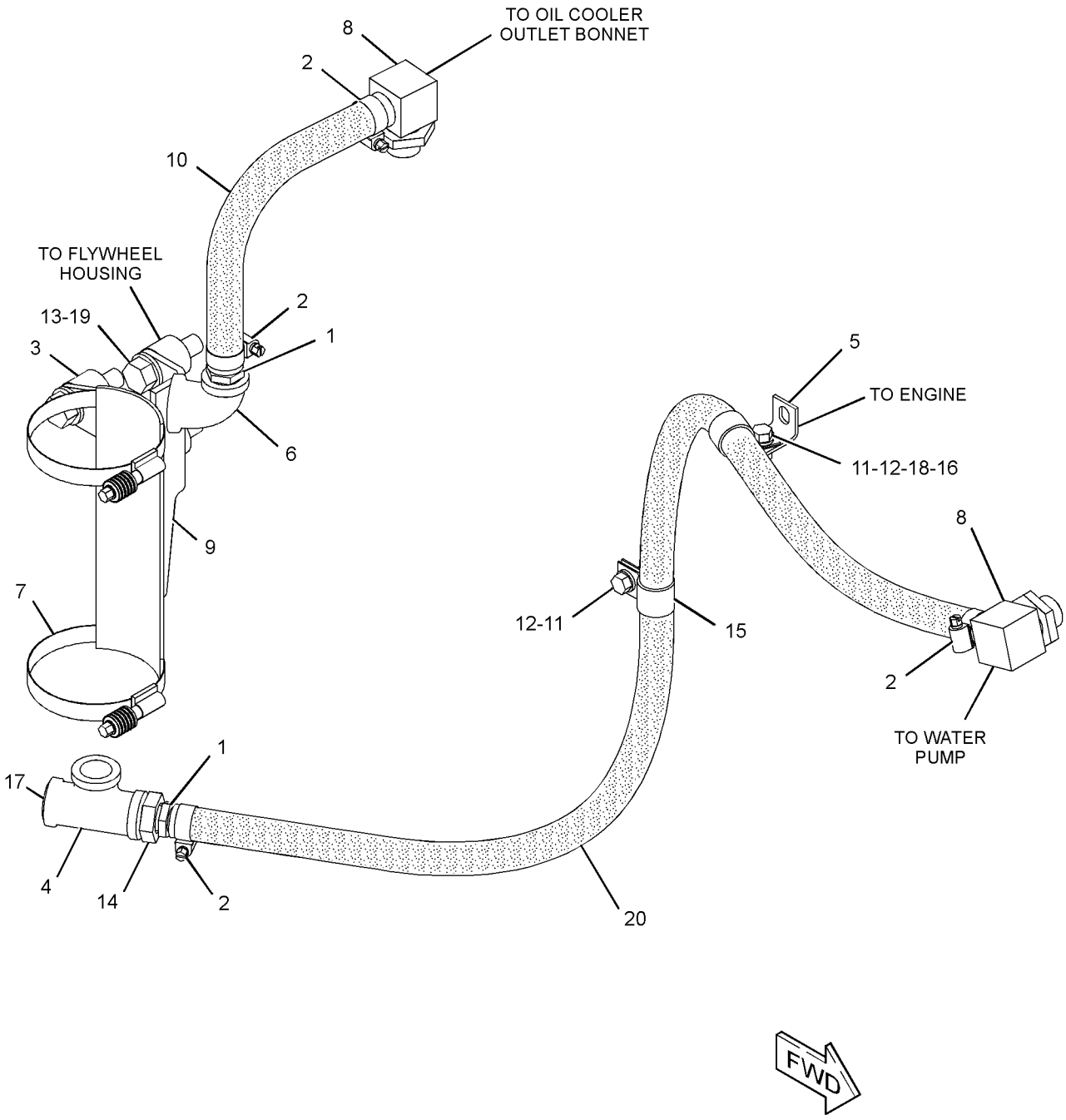
269-4757 MOUNTING GP-JACKET WTR HEATER

FOR USE WITH STANDARD AND WITH VERTICAL TRANSMISSION OIL COOLER, SAE NO.1 FLYWHEEL HOUSING. CANNOT BE USED WITH REMOTE MOUNTED OIL FILTER AN ATTACHMENT

SMCS-1383 **i03358344**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2D-3165**	2	CONNECTOR-HOSE	
	2	1	**2S-3440**	4	CLAMP-HOSE	
	3	1	**3P-4134**	3	SPACER (16.75X33.3X25.4-MM THK)	
	4	1	**4B-7770**	1	TEE	
	5	1	**4J-5175**	1	BRACKET	
	6	1	**7L-8074**	1	ELBOW-REDUCING	
	7	1	**8T-6726**	2	CLAMP-HOSE	
	8	1	*153-9910*	2	ELBOW AS	
					(EACH INCLUDES)	
		1	**3D-2824**	1	SEAL-O-RING	
		1	**032-8487**	1	ELBOW	
	9	1	**160-9739**	1	BRACKET AS	
	10	1	**160-9878**	1	HOSE	
	11	1	**0L-1351**	2	BOLT (3/8-16X0.875-IN)	
	12	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	13	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
	14	1	**6B-9081**	1	BUSHING-REDUCING	
	15	1	**6S-6843**	1	CLAMP	
	16	1	**7C-4354**	1	CLIP	
	17	1	**8T-6761**	1	PLUG-PIPE	
	18	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	19	1	**9X-8881**	3	BOLT (5/8-11X2.25-IN)	
E	20	1	**5P-0765**		HOSE (133-CM)	

E-ORDER BY THE CENTIMETER



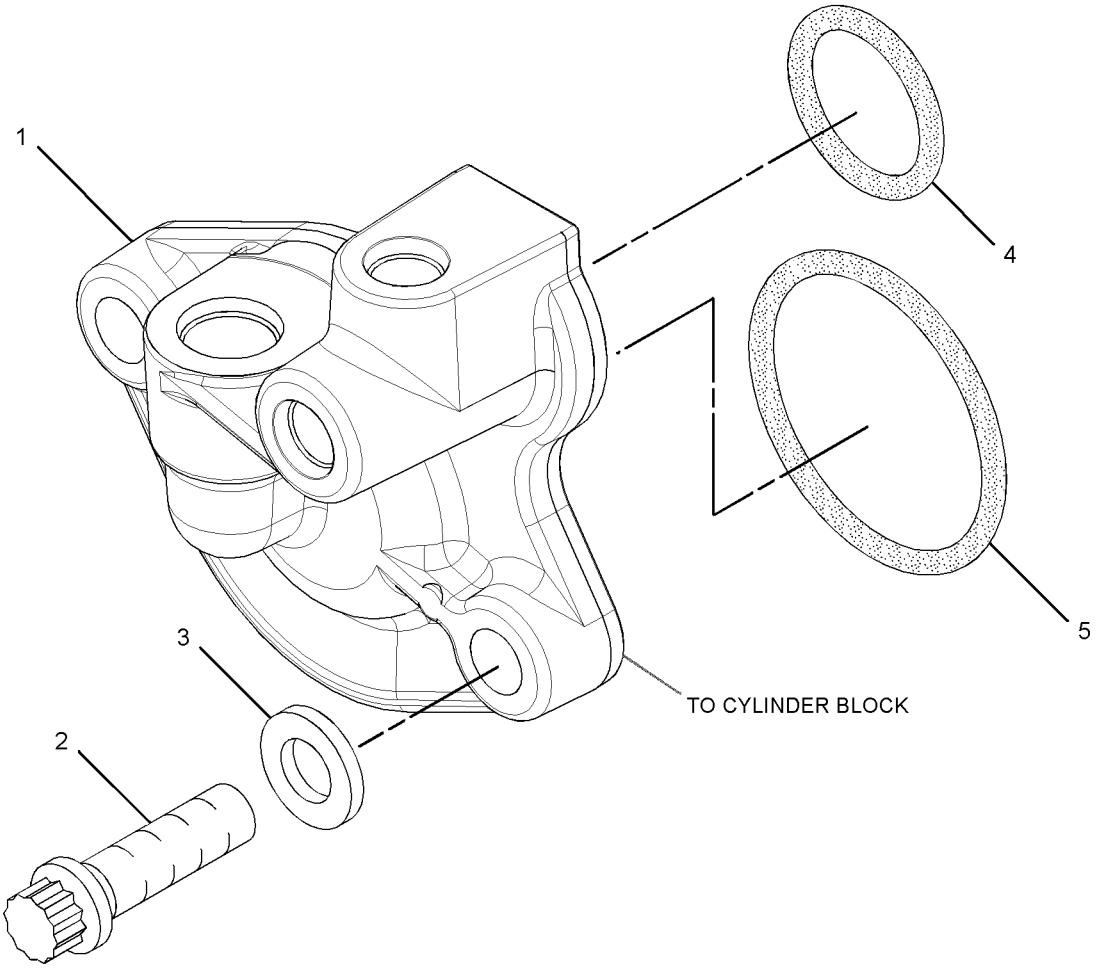
GRAPHIC #1 **<END>** g01167945

192-1623 MOUNTING GP-SENSOR

PROVIDES MOUNTING LOCATION FOR ATMOSPHERIC AND OIL SENSOR AN ATTACHMENT

SMCS-1439 **i02719787**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**166-6693**	1	ADAPTER	
	2	1	**1T-0720**	1	BOLT-12 POINT HEAD (3/8-16X1.25-IN)	
	3	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**6V-3683**	1	SEAL-O-RING	
	5	1	**8J-4351**	1	SEAL-O-RING	



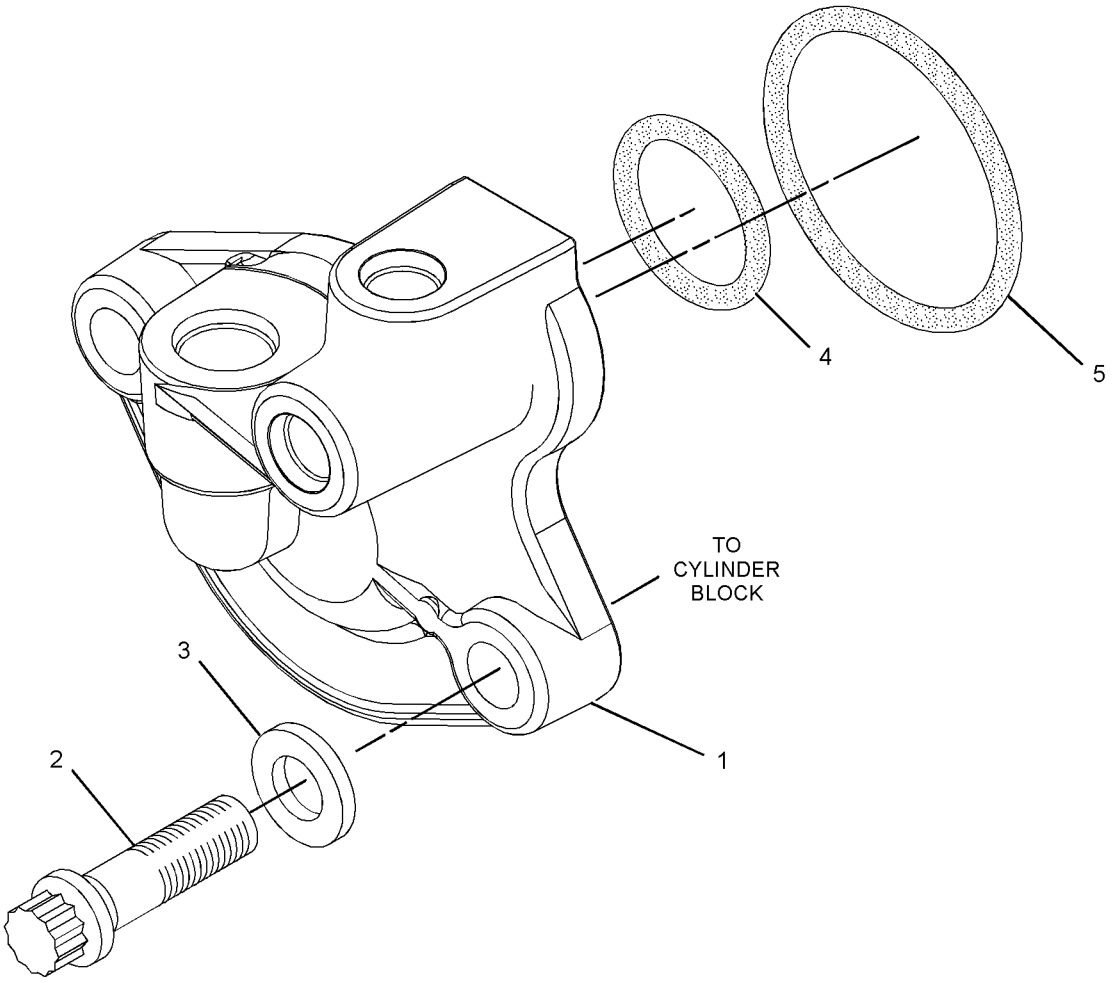
GRAPHIC #1 **<END>** g01377414

194-3967 MOUNTING GP-SENSOR

PROVIDES LOCATION FOR ATMOSPHERIC AND OIL SENSOR MOUNTING AN ATTACHMENT

SMCS-1439 **i02676961**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**166-6693**	1	ADAPTER	
	2	1	**1T-0720**	2	BOLT-12 POINT HEAD (3/8-16X1.25-IN)	
	3	1	**5M-2894**	2	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**6V-3683**	1	SEAL-O-RING	
	5	1	**8J-4351**	1	SEAL-O-RING	



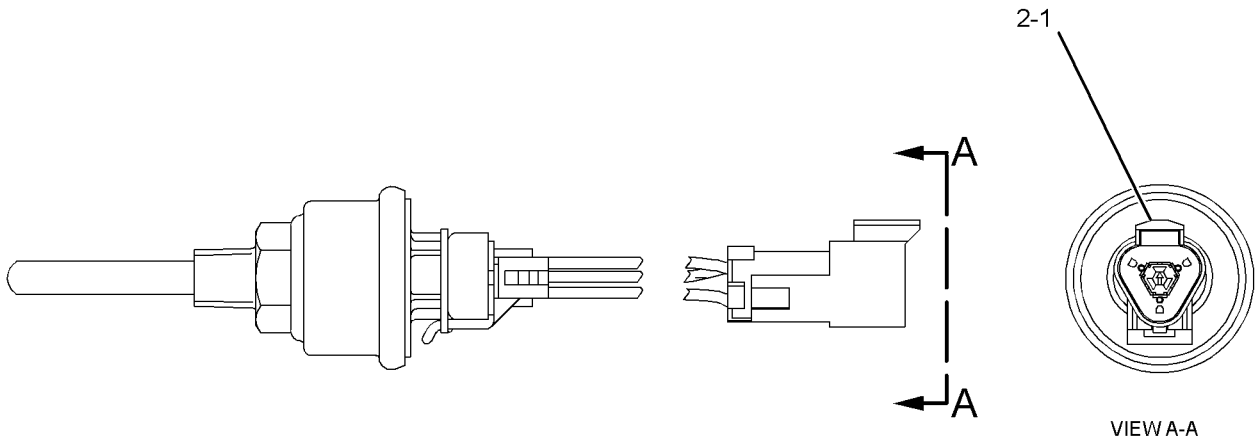
GRAPHIC #1 **<END>** g01347622

165-6634 SENSOR GP-COOLANT LEVEL

FIELD REPLACEMENT ORDER 239-9957—PAGE 887
AN ATTACHMENT

SMCS-7422 **i02591033**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
	2	1	**186-3735**	3	PIN-CONNECTOR (16-GA TO 18-GA)	



GRAPHIC #1 **<END>** g01278073

ELECTRICAL AND STARTING SYSTEM

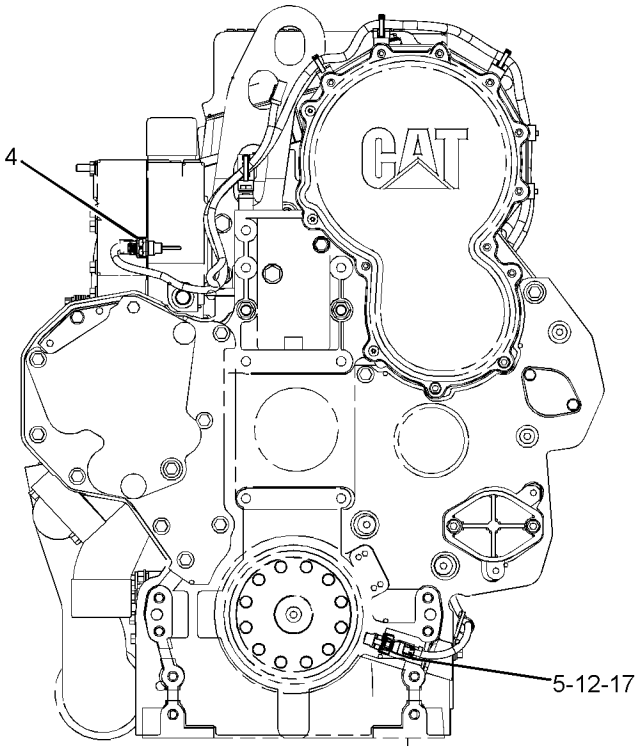
231-1973 SENSOR GP-ENGINE

S/N: JRE106-586
ALSO AN ATTACHMENT

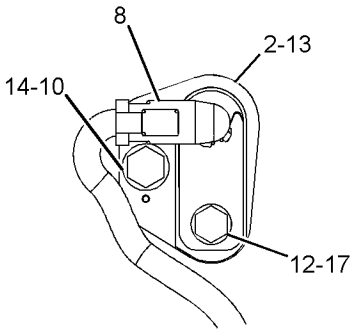
SMCS-1000, 1050, 1718, 1906, 1907, 1912, 1917, 1923, 1924, 1925, 1928, 1929, 7400, 7422 **i02662398**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-0262**	1	ADAPTER	
	2	1	**132-9770**	1	SPACER AS	
		1	**1W-6448**	2	DOWEL	
Y	3	1	*197-8391*	1	SENSOR GP-TEMPERATURE (INTAKE AIR MANIFOLD)	906
Y	4	1	*197-8392*	1	SENSOR GP-TEMPERATURE (WATER COOLANT)	907
Y	5	1	*214-2484*	1	SENSOR GP-SPEED (TIMING, CRANKSHAFT)	902
Y	6	1	*239-2395*	1	SENSOR GP-PRESSURE (ATMOSPHERIC AIR)	893
Y	7	1	*239-2396*	1	SENSOR GP-PRESSURE (ENGINE OIL)	894
Y	8	1	*239-5928*	1	SENSOR GP-SPEED (TIMING, CAMSHAFT)	903
	9	1	**241-6186**	1	ELBOW	
	10	1	**0S-1591**	1	BOLT (3/8-16X1.5-IN)	
Y	11	1	*239-5674*	1	SENSOR GP-PRESSURE (AIR INLET MANIFOLD)	896
	12	1	**2H-3755**	2	BOLT (5/16-18X0.43-IN)	
	13	1	**3P-1155**	1	SEAL-O-RING	
	14	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	15	1	**6V-5048**	1	SEAL-O-RING	
	16	1	**6V-5049**	1	SEAL-O-RING	
	17	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	

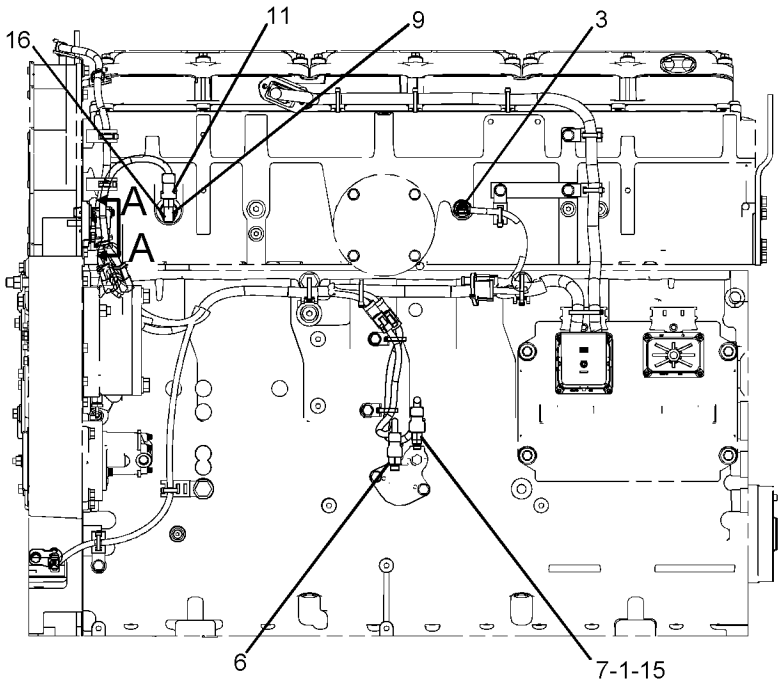
Y-SEPARATE ILLUSTRATION



FRONT VIEW



SECTION A-A



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g01055021

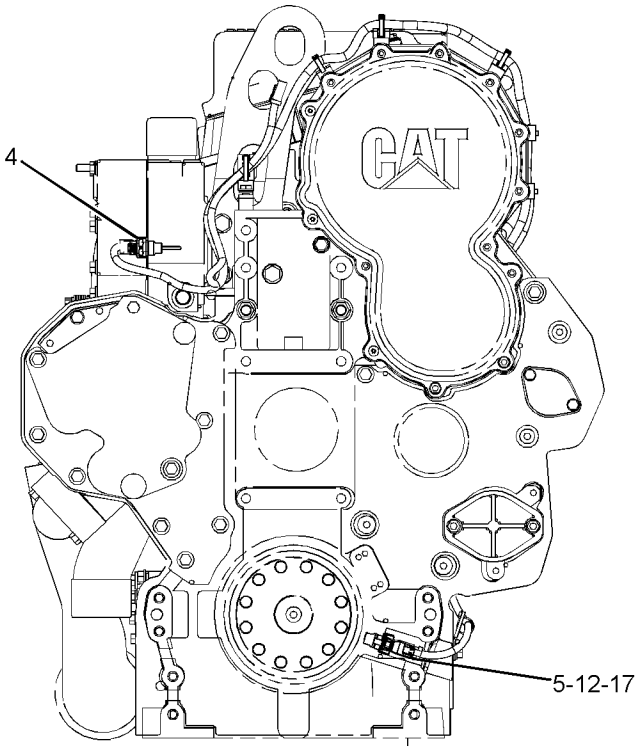
231-1973 SENSOR GP-ENGINE

ALSO AN ATTACHMENT

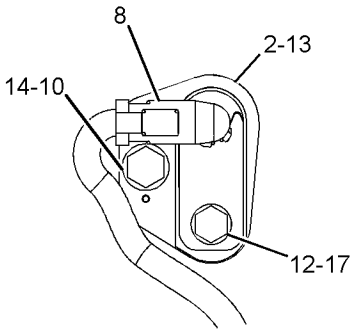
SMCS-1000, 1050, 1718, 1906, 1907, 1912, 1917, 1923, 1924, 1925, 1928, 1929, 7400, 7422 **i02696324**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**9X-0262**	1	ADAPTER	
	2	1	**132-9770**	1	SPACER AS	
		1	**1W-6448**	2	DOWEL	
CY	3	1	*274-7395*	1	SENSOR GP-TEMPERATURE (INTAKE AIR MANIFOLD)	910
CY	4	1	*274-7396*	1	SENSOR GP-TEMPERATURE (ENGINE COOLANT)	911
Y	5	1	*214-2484*	1	SENSOR GP-SPEED (TIMING, CRANKSHAFT)	902
Y	6	1	*239-2395*	1	SENSOR GP-PRESSURE (ATMOSPHERIC AIR)	893
Y	7	1	*239-2396*	1	SENSOR GP-PRESSURE (ENGINE OIL)	894
Y	8	1	*239-5928*	1	SENSOR GP-SPEED (TIMING, CAMSHAFT)	903
	9	1	**241-6186**	1	ELBOW	
	10	1	**0S-1591**	1	BOLT (3/8-16X1.5-IN)	
Y	11	1	*239-5674*	1	SENSOR GP-PRESSURE (AIR INLET MANIFOLD)	896
	12	1	**2H-3755**	2	BOLT (5/16-18X0.43-IN)	
	13	1	**3P-1155**	1	SEAL-O-RING	
	14	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	15	1	**6V-5048**	1	SEAL-O-RING	
	16	1	**6V-5049**	1	SEAL-O-RING	
	17	1	**9M-1974**	2	WASHER-HARD (8.8X16X2-MM THK)	

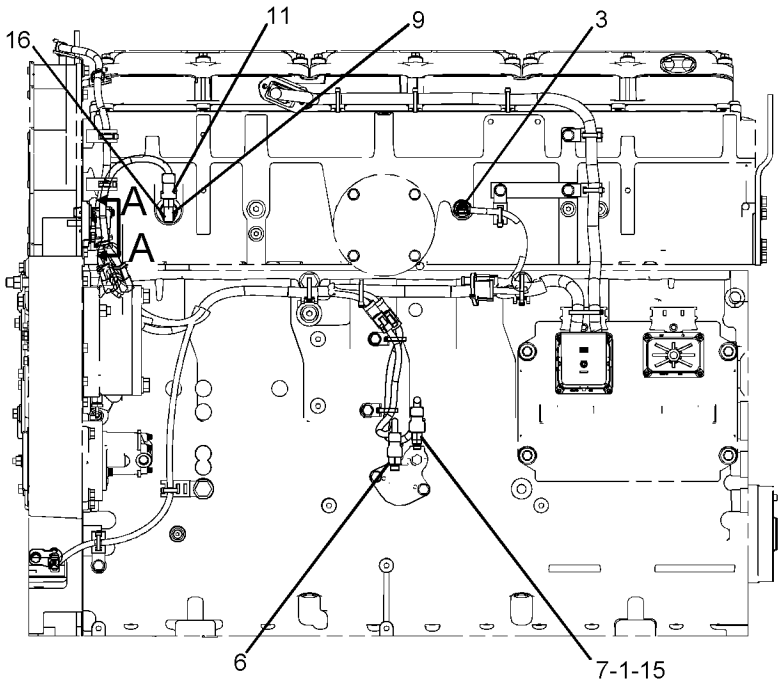
C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



FRONT VIEW



SECTION A-A



LEFT SIDE VIEW

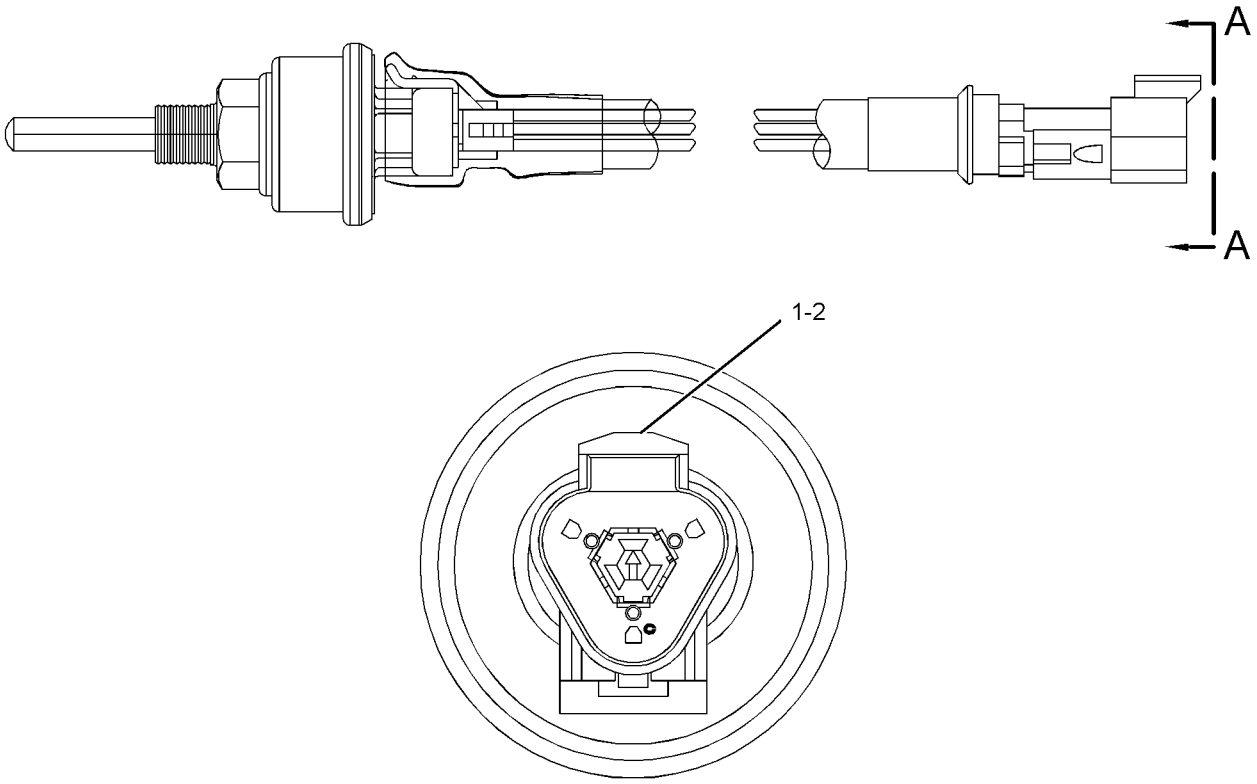
GRAPHIC #1 **<END>** g01055021

204-2518 SENSOR GP-LIQUID LEVEL

AN ATTACHMENT

SMCS-7422 **i02585904**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**186-3735**	3	PIN-CONNECTOR (16-GA TO 18-GA)	
	2	1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	



VIEW A-A

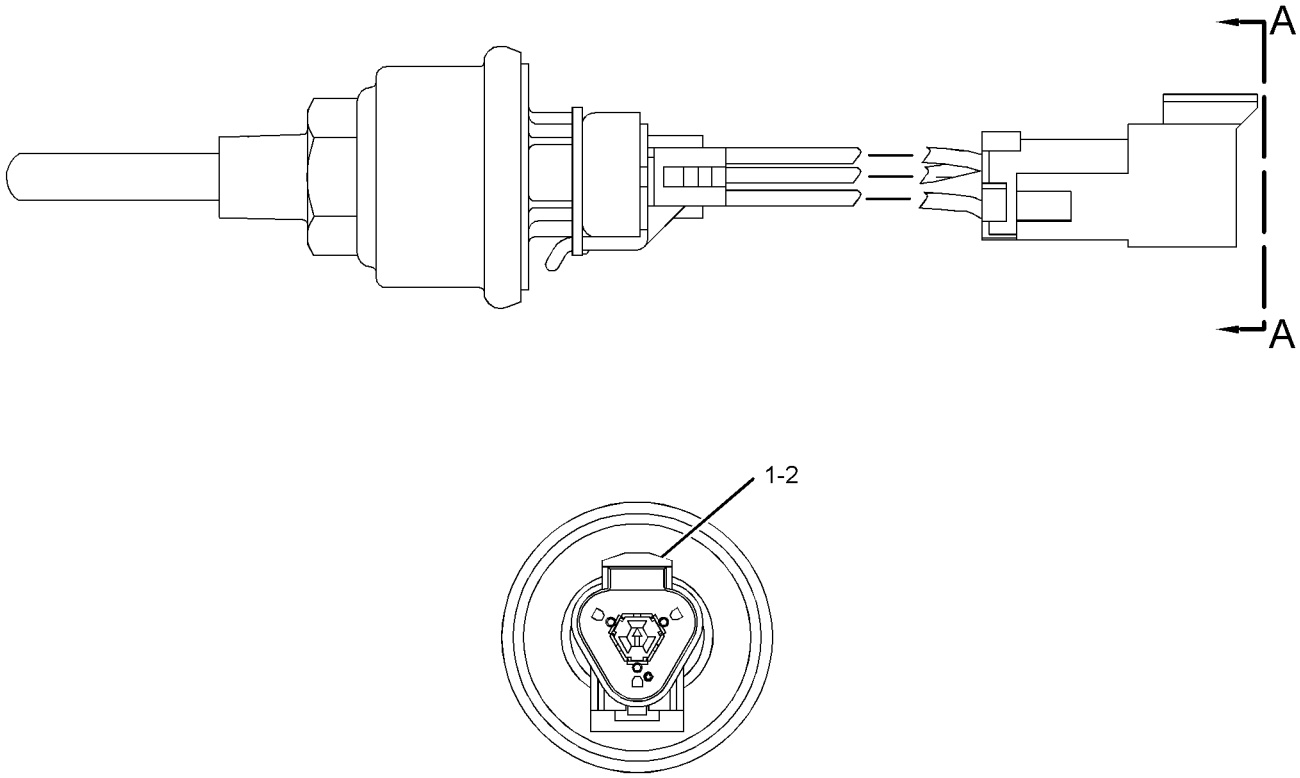
GRAPHIC #1 **<END>** g01203130

239-9957 SENSOR GP-LIQUID LEVEL

FIELD REPLACEMENT FOR 165-6634—PAGE 881
AN ATTACHMENT

SMCS-7422 **i03325600**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	**186-3735**	3	PIN-CONNECTOR (16-GA TO 18-GA)	



VIEW A-A

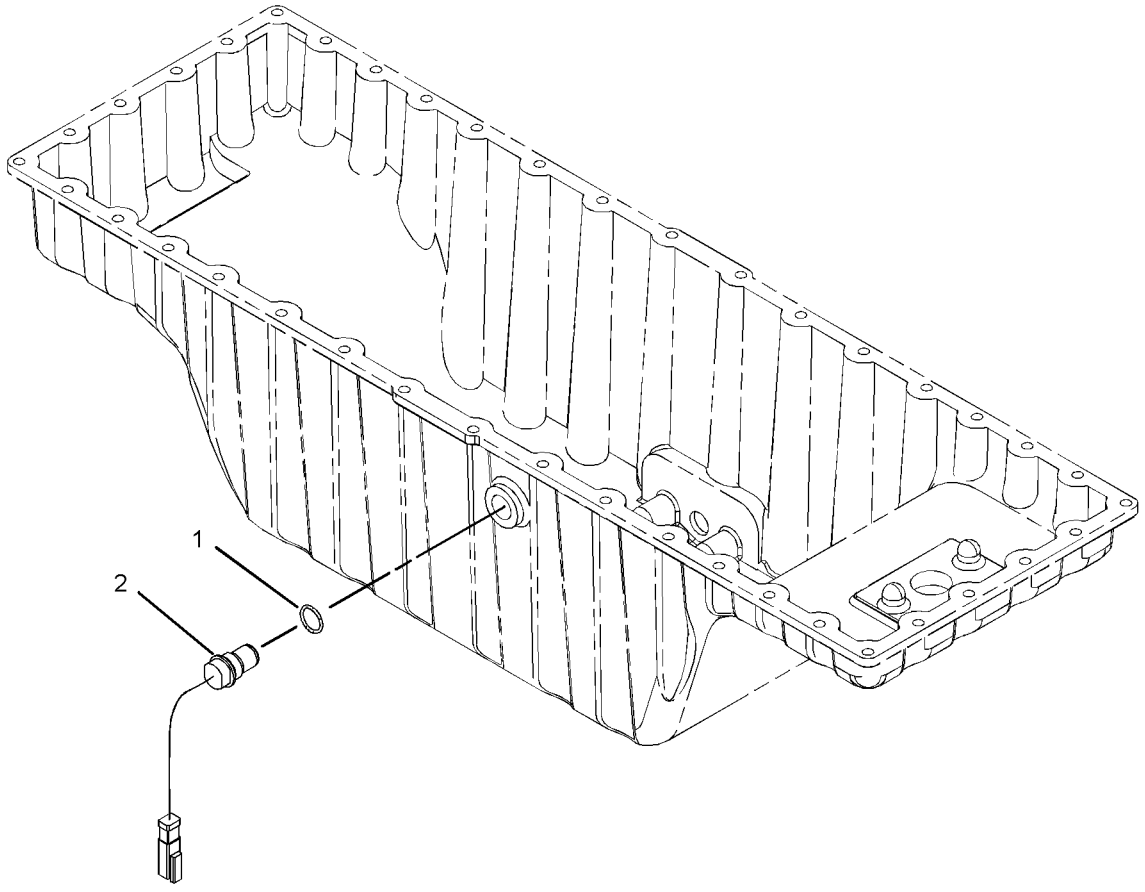
GRAPHIC #1 **<END>** g01281047

349-5289 SENSOR GP-LIQUID LEVEL–ENGINE OIL

AN ATTACHMENT

SMCS-7422 **i03666041**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3D-2824**	1	SEAL-O-RING	
	2	1	**213-0677**	1	SWITCH AS-LIQUID LEVEL (ENGINE OIL)	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**9X-3401**	2	PIN-CONNECTOR (16-GA TO 18-GA)	
					–OR–	
		1	**126-1767**	2	PIN-CONNECTOR (14-GA)	



GRAPHIC #1 **<END>** g01981573

219-2384 SENSOR GP-POSITION

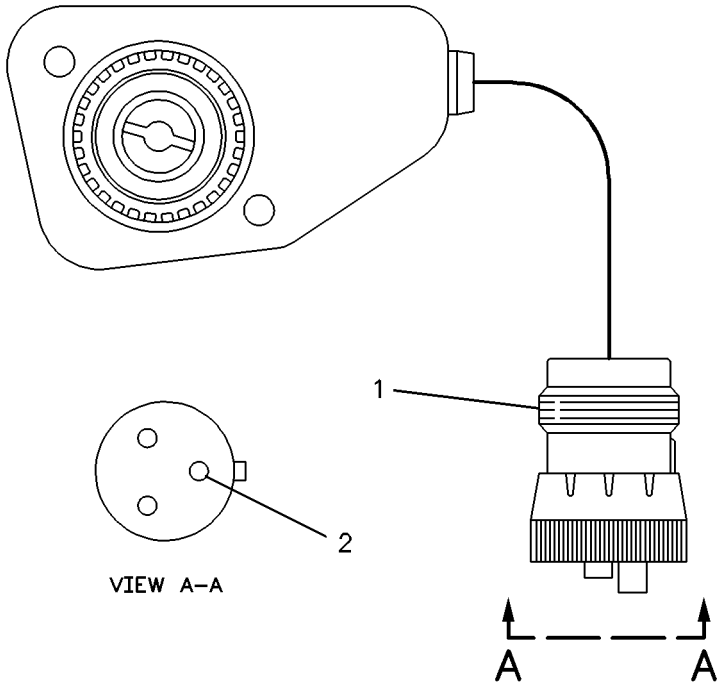
ROTARY

PART OF 134-0597 CONTROL GP-ENGINE SPEED

AN ATTACHMENT

SMCS-1905, 1911, 1913, 4809, 5736, 5737 **i01761274**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-8731**	1	PLUG-CONNECTOR	
	2	1	**8T-8730**	3	SOCKET-CONNECTOR	



GRAPHIC #1 **<END>** g00083170

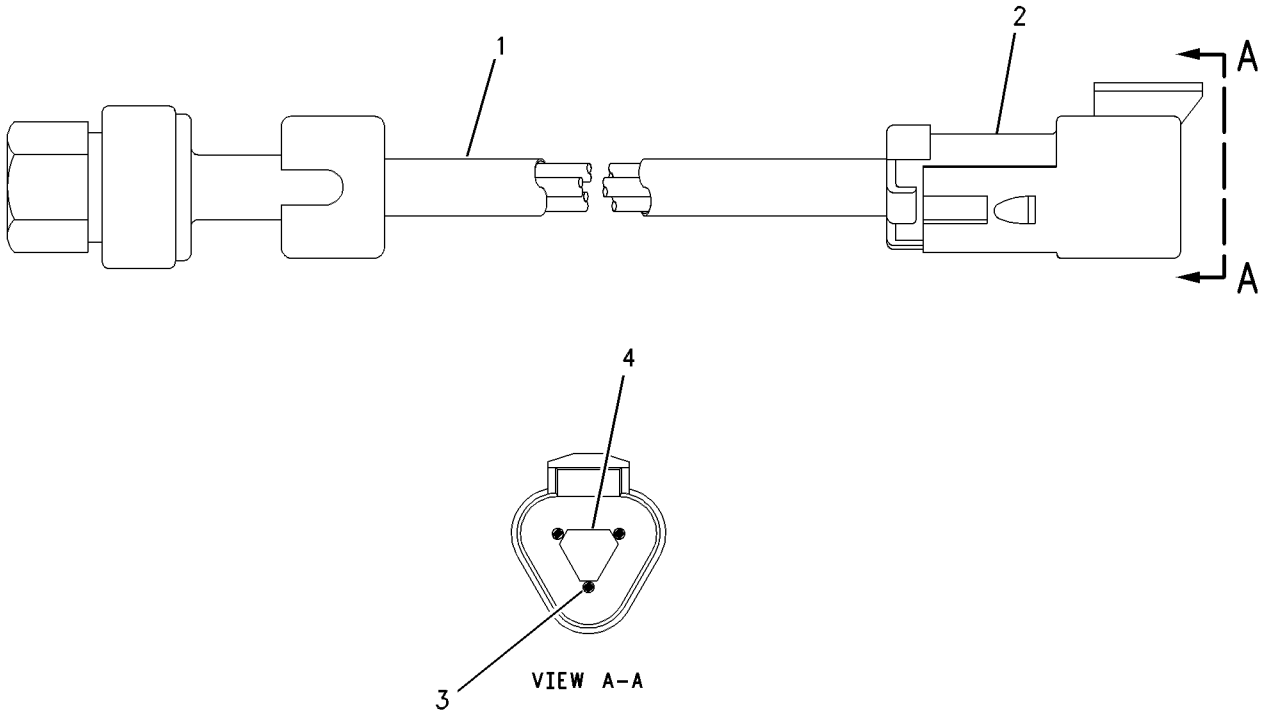
161-9932 SENSOR GP-PRESSURE–ENGINE OIL, FUEL

AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i03325604**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
E	1	1	**9X-1386**		SLEEVE (15-CM)	
	2	1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	3	1	**9X-3401**	3	PIN-CONNECTOR (16-GA TO 18-GA)	
	4	1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3-PIN)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g00612982

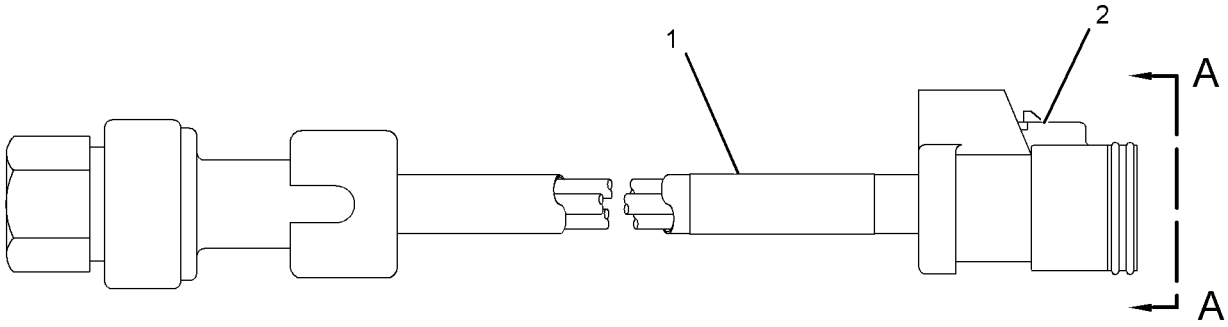
194-6722 SENSOR GP-PRESSURE

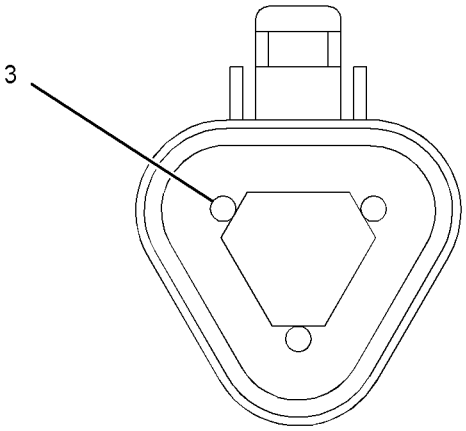
PART OF 239-2395 SENSOR GP-PRESSURE
ALSO AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i03572341**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
E	1	1	**9X-1813**		SLEEVE (34-CM)	
	2	1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)	
	3	1	**180-9340**	3	SOCKET-CONNECTOR (14-GA TO 18-GA)	

E-ORDER BY THE CENTIMETER





VIEW A-A

GRAPHIC #1 **<END>** g01381175

194-6725 SENSOR GP-PRESSURE

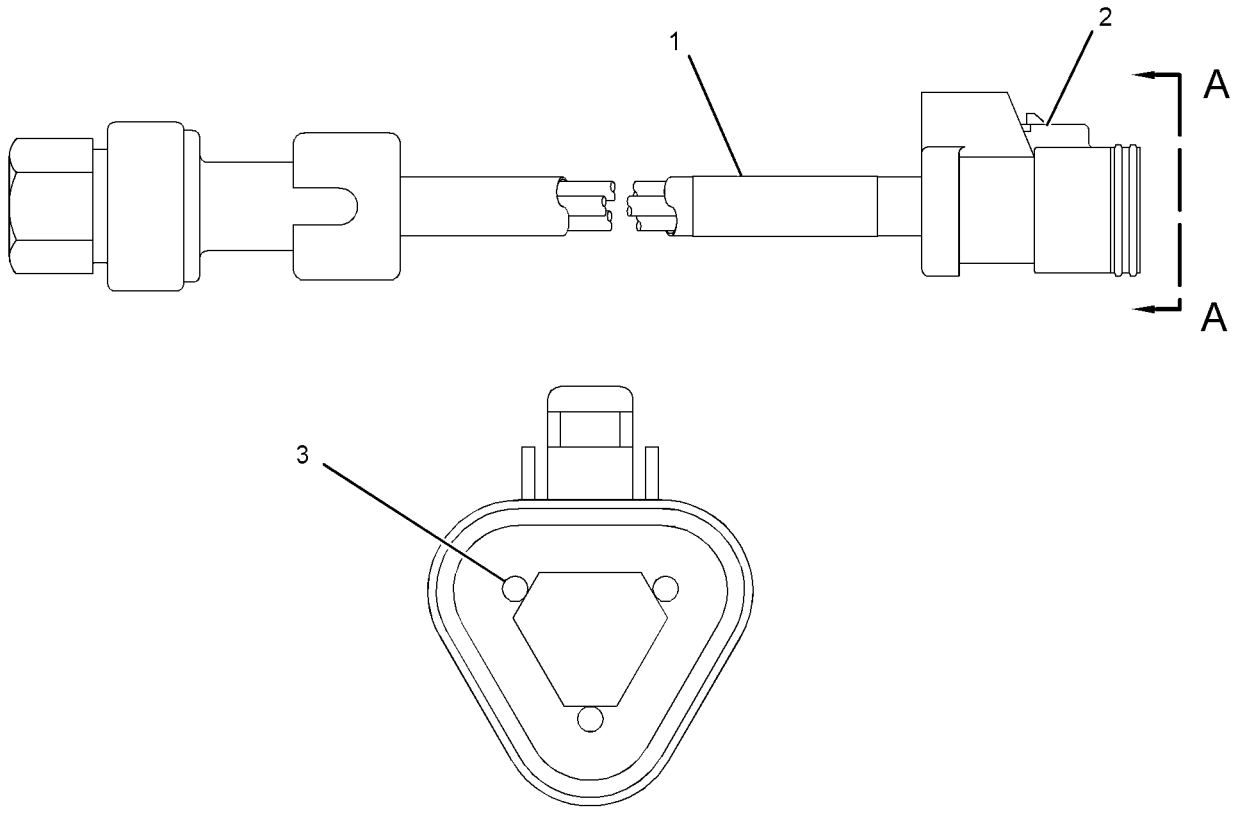
PART OF 239-2396 SENSOR GP-PRESSURE

ALSO AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i03642385**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
E	1	1	**9X-1813**		SLEEVE (34-CM)	
	2	1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS, INTERFACE SEAL & WEDGE)	
	3	1	**180-9340**	3	SOCKET-CONNECTOR (14-GA TO 18-GA)	

E-ORDER BY THE CENTIMETER



VIEW A-A

GRAPHIC #1 **<END>** g01662003

239-2395 SENSOR GP-PRESSURE

S/N: JRE106-UP

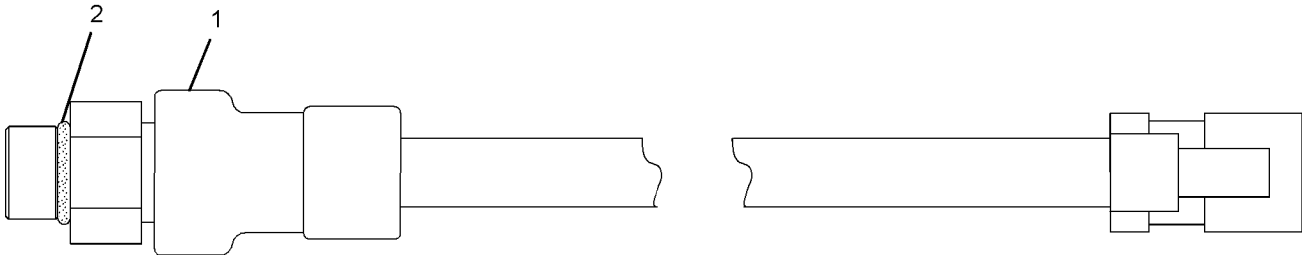
PART OF 231-1973 SENSOR GP-ENGINE

ALSO AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i02837580**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**194-6722**	1	SENSOR GP-PRESSURE	891
	2	1	**6V-5049**	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01019702

239-2396 SENSOR GP-PRESSURE

S/N: JRE106-UP

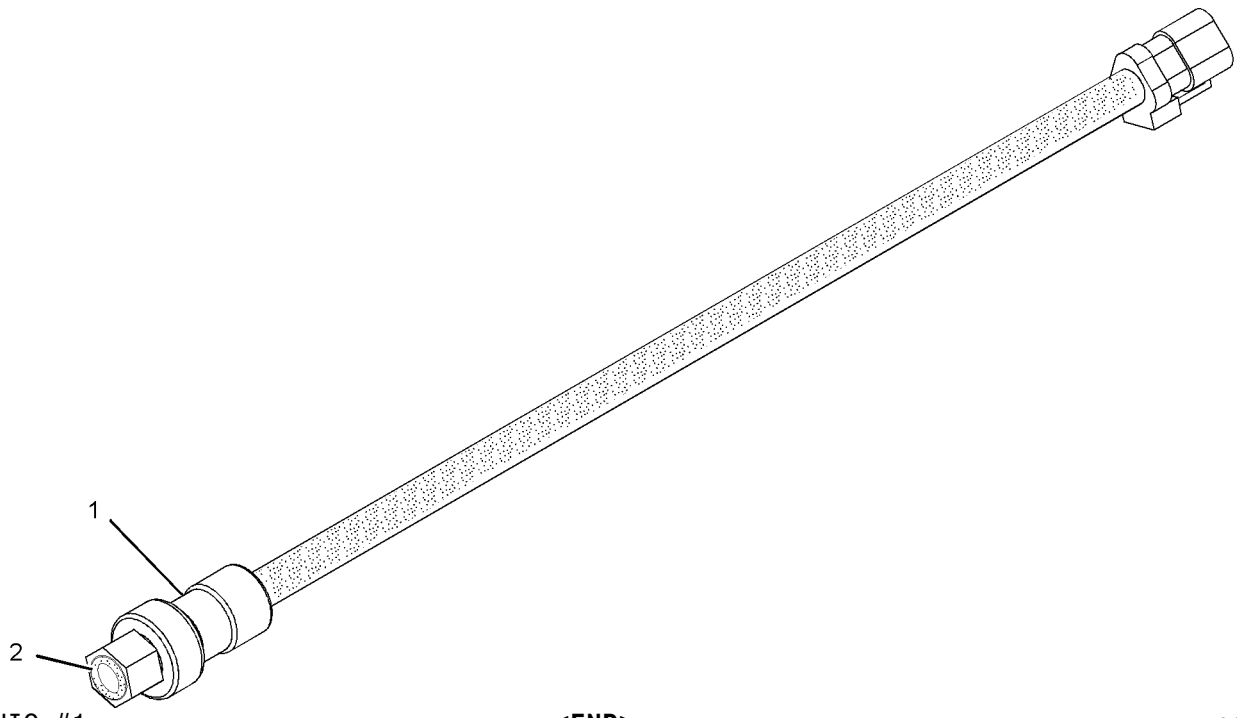
PART OF 240-6040 LINES GP-FUEL, 237-4296, 255-0654, 255-0655, 255-0656, 255-0657, 270-3935, 271-4489, 324-0671, 324-0672 LINES GP-FUEL FILTER, 257-7275 PUMP GP-FUEL PRM & SEC FILTER, 231-1973 SENSOR GP-ENGINE

ALSO AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i02870189**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**194-6725**	1	SENSOR GP-PRESSURE	892
	2	1	**6V-5048**	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01019323

239-3478 SENSOR GP-PRESSURE

S/N: JRE106-UP

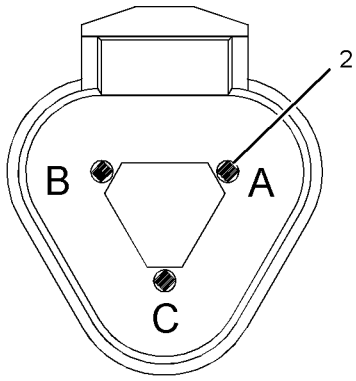
PART OF 239-5674 SENSOR GP-PRESSURE

ALSO AN ATTACHMENT

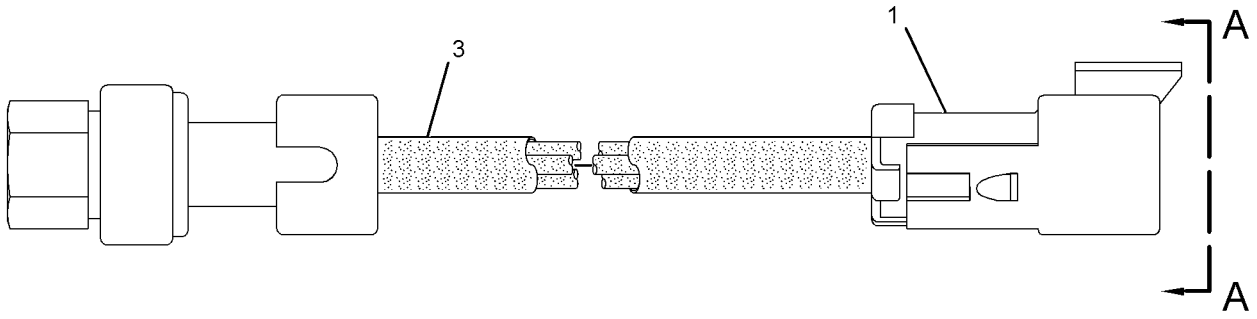
SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i03570562**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	**180-9339**	3	PIN-CONNECTOR (14-GA TO 18-GA)	
E	3	1	**9X-1813**		SLEEVE (34-CM)	

E-ORDER BY THE CENTIMETER



VIEW A-A



GRAPHIC #1 **<END>** g01896473

239-5674 SENSOR GP-PRESSURE

S/N: JRE106-UP

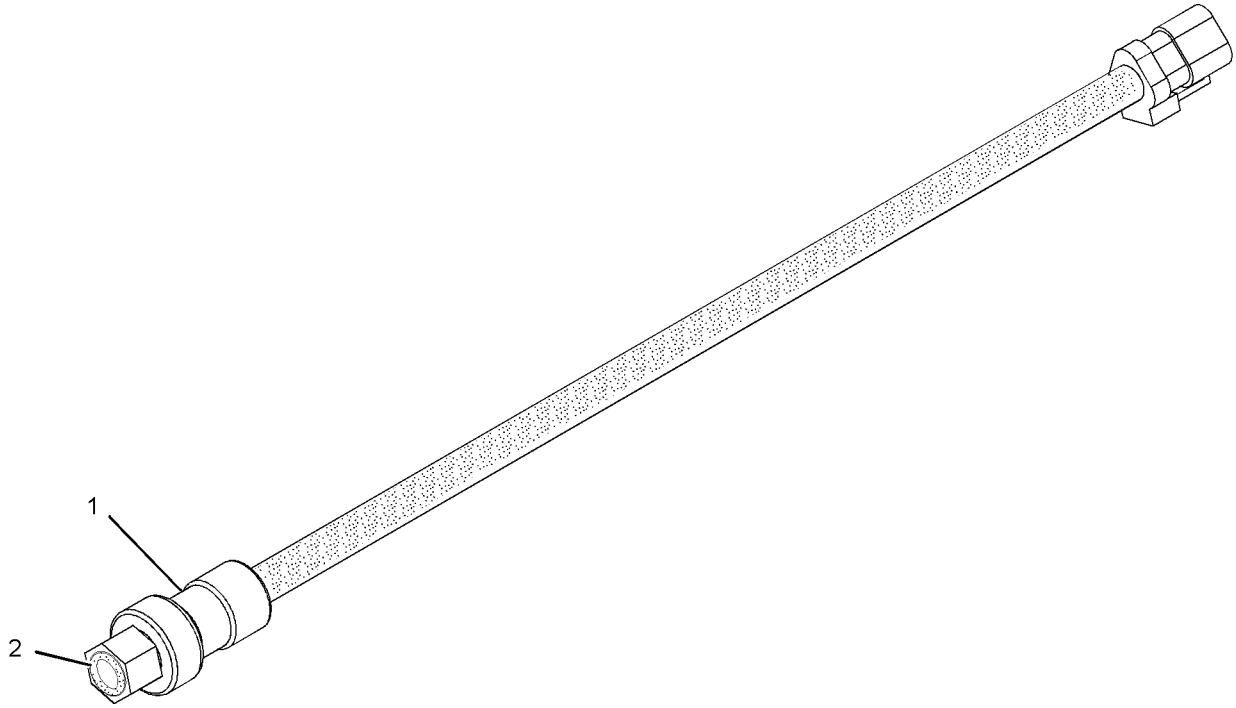
PART OF 231-1973 SENSOR GP-ENGINE

ALSO AN ATTACHMENT

SMCS-1718, 1916, 1917, 1923, 1924, 1925 **i02953984**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**239-3478**	1	SENSOR GP-PRESSURE	895
	2	1	**6V-5048**	1	SEAL-O-RING	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01019323

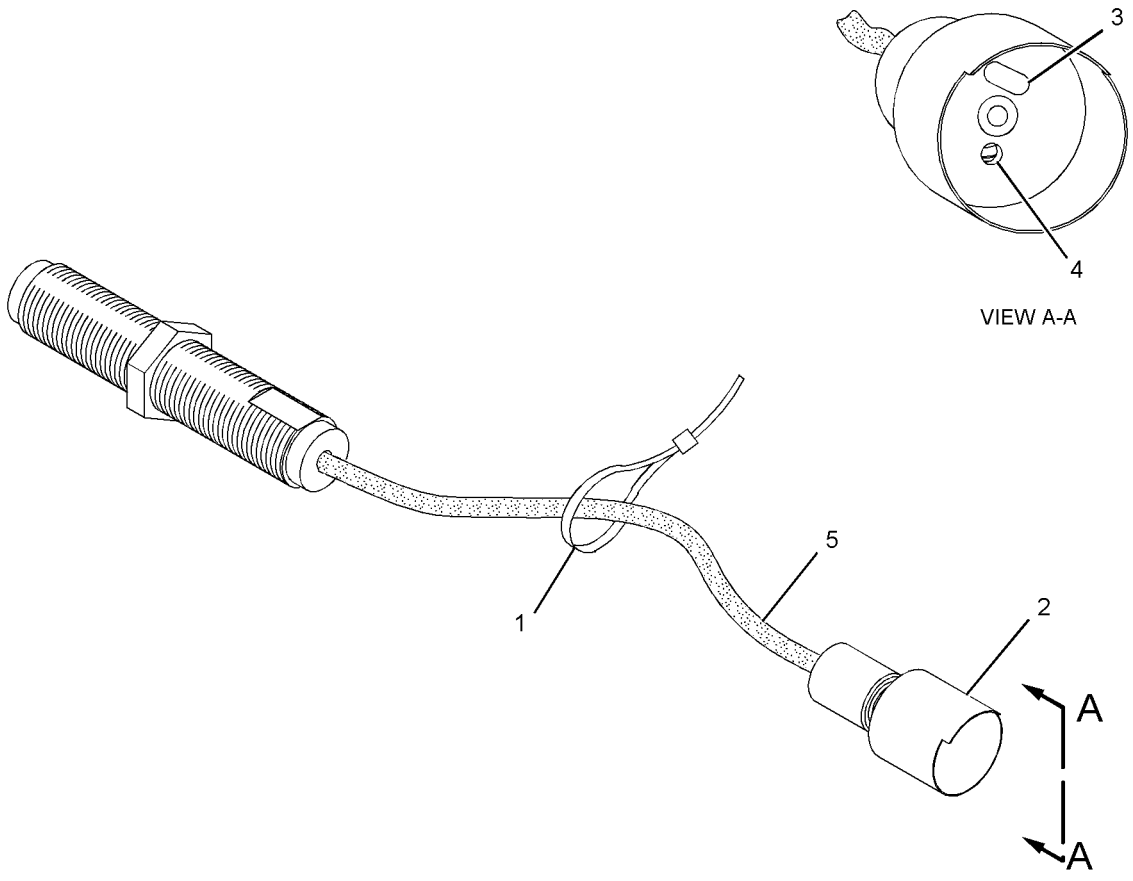
3E-7886 SENSOR GP-SPEED–ENGINE

PART OF 7W-3355 SENSOR GP-SPEED
FIELD REPLACEMENT ORDER 189-5746–PAGE 900, 1-155-2270 KIT-CONNECTING PLUG, 2-186-3736 SOCKET-CONNECTOR
AN ATTACHMENT

SMCS-1907 **i02707363**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**171-5349**	1	STRAP-MARKER	
	2	1	**7N-9738**	1	HOUSING-RECEPTACLE (14-GA TO 18-GA)	
	3	1	**7N-7780**	1	PIN-CONNECTOR (14-GA TO 18-GA)	
	4	1	**7N-7779**	1	SOCKET-CONNECTOR (14-GA TO 18-GA)	
E	5	1	**9X-1386**		SLEEVE (14-CM)	

E-ORDER BY THE CENTIMETER



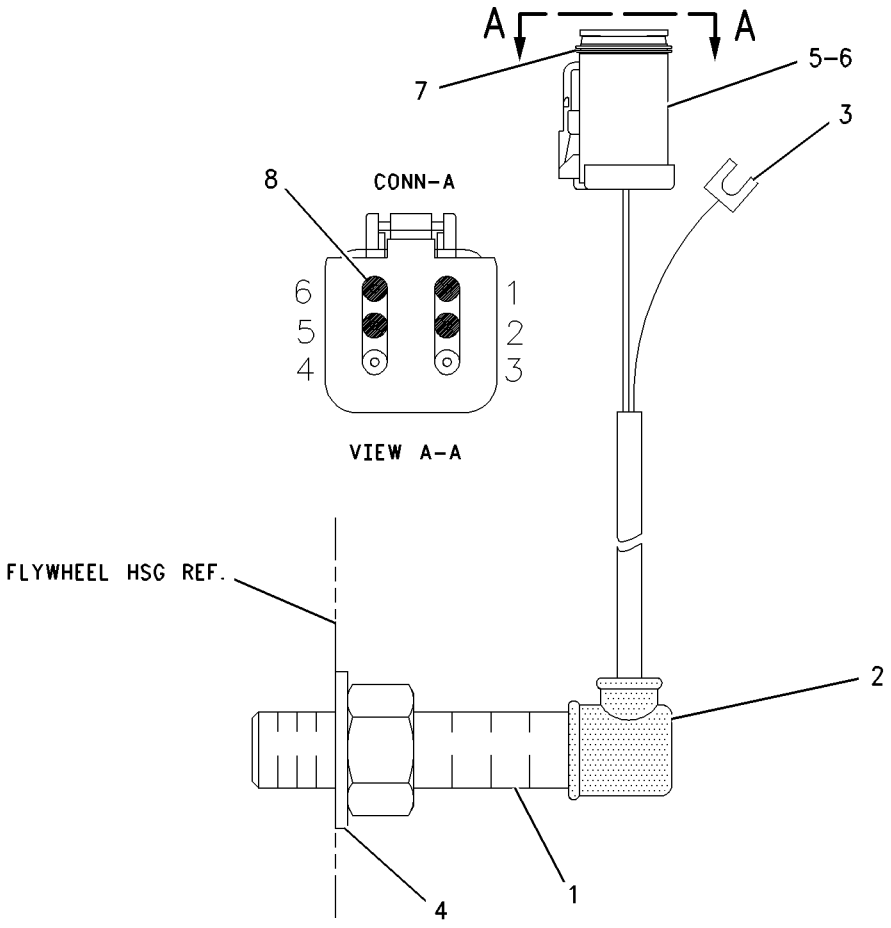
GRAPHIC #1 **<END>** g01123339

5N-8757 SENSOR GP-SPEED

FOR USE WITH TACHOMETER. CANNOT BE USED WITH DUAL SPEED SWITCH AN ATTACHMENT

SMCS-1907 **i03213380**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**5N-6753**	1	SENSOR GP-SPEED	
	2	1	**6L-3483**	1	COVER-TERMINAL	
	3	1	**9G-3186**	1	TERMINAL-FORK (18-GA TO 22-GA, NO. 8 SCREW)	
	4	1	**4B-4281**	1	WASHER (16.8X33X2.5-MM THK)	
	5	1	**9X-3402**	2	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	6	1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
	7	1	**155-2263**	1	WEDGE-PLUG LOCK (6-PIN)	
	8	1	**8T-8737**	4	PLUG-SEAL	



GRAPHIC #1 **<END>** g00917923

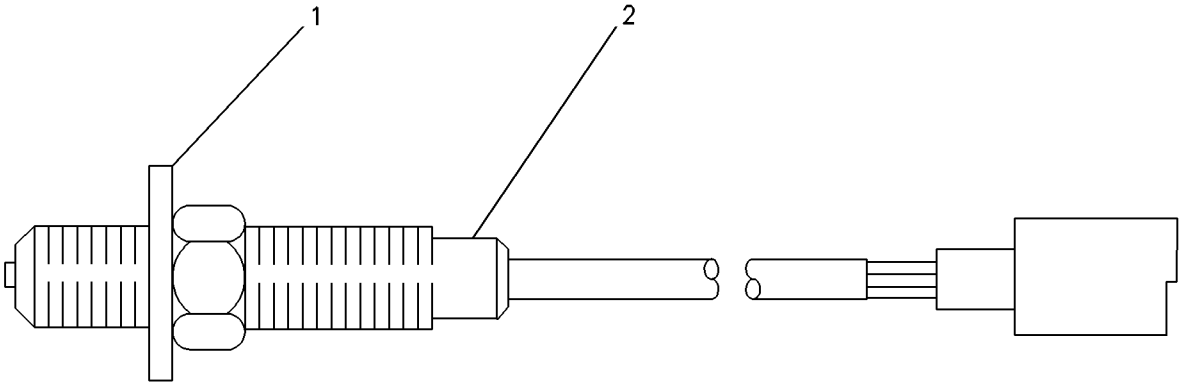
7W-3355 SENSOR GP-SPEED

FOR USE WITH ENGINE MOUNTED INSTRUMENT PANEL
AN ATTACHMENT

SMCS-1907 **i03213382**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
B	1	1	**4B-4281**	1	WASHER (16.8X33X2.5-MM THK)	
Y	2	1	**3E-7886**	1	SENSOR GP-SPEED	897

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00065532

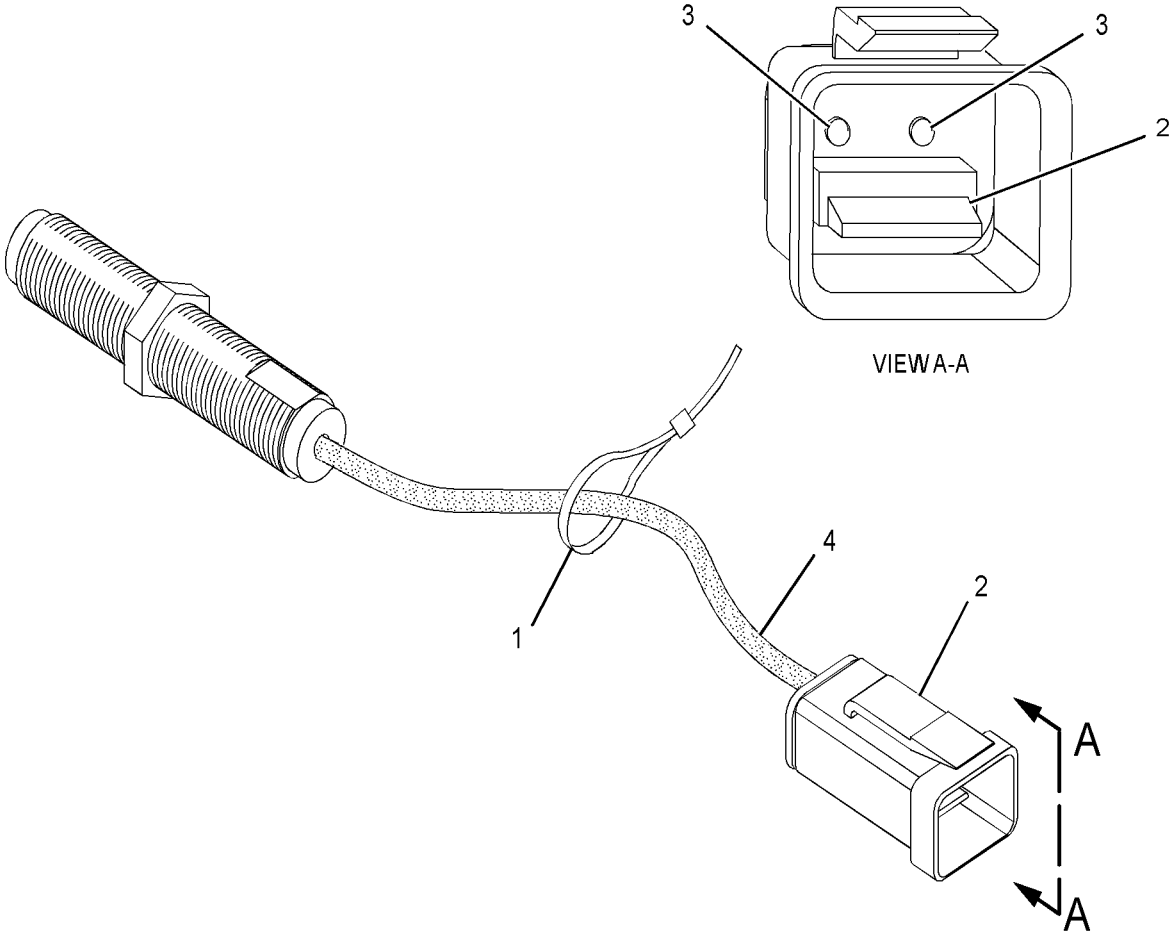
189-5746 SENSOR GP-SPEED

PART OF 350-7594 SENSOR GP-SPEED
FIELD REPLACEMENT FOR 3E-7886—PAGE 897
AN ATTACHMENT

SMCS-1907 **i03276881**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**171-5349**	1	STRAP-MARKER	
	2	1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	3	1	**144-1636**	2	PIN-CONNECTOR (14-GA TO 18-GA)	
E	4	1	**9X-1386**		SLEEVE (14-CM)	

E-ORDER BY THE CENTIMETER



GRAPHIC #1 **<END>** g01353977

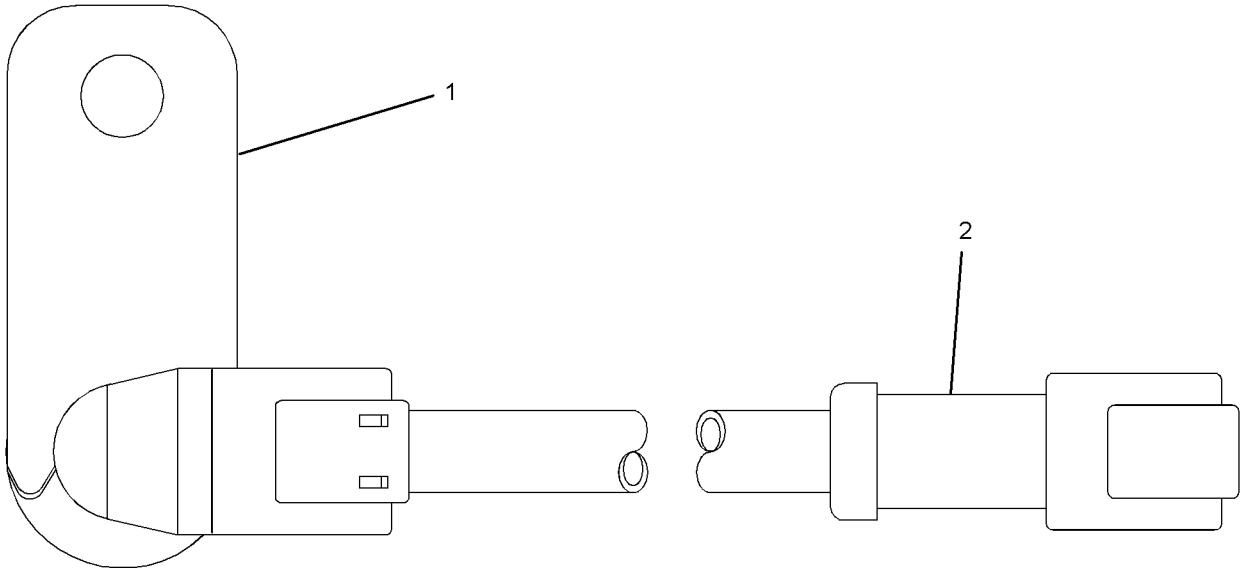
201-6617 SENSOR GP-SPEED

S/N: JRE106-UP
PART OF 239-5928 SENSOR GP-SPEED
ALSO AN ATTACHMENT

SMCS-1907 **i03679740**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1		**133-0261**	1	BRACKET	
	2		**189-0852**	1	HARNESS AS-WIRING (SPEED SENSOR)	
			102-8802	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
E			**9X-1813**		SLEEVE (16-CM)	
			155-2270	1	KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS, WEDGE & INTERFACE SEAL)	
			180-9339	2	PIN-CONNECTOR (14-GA TO 18-GA)	
			180-9340	2	SOCKET-CONNECTOR (14-GA TO 18-GA)	

E-ORDER BY THE CENTIMETER



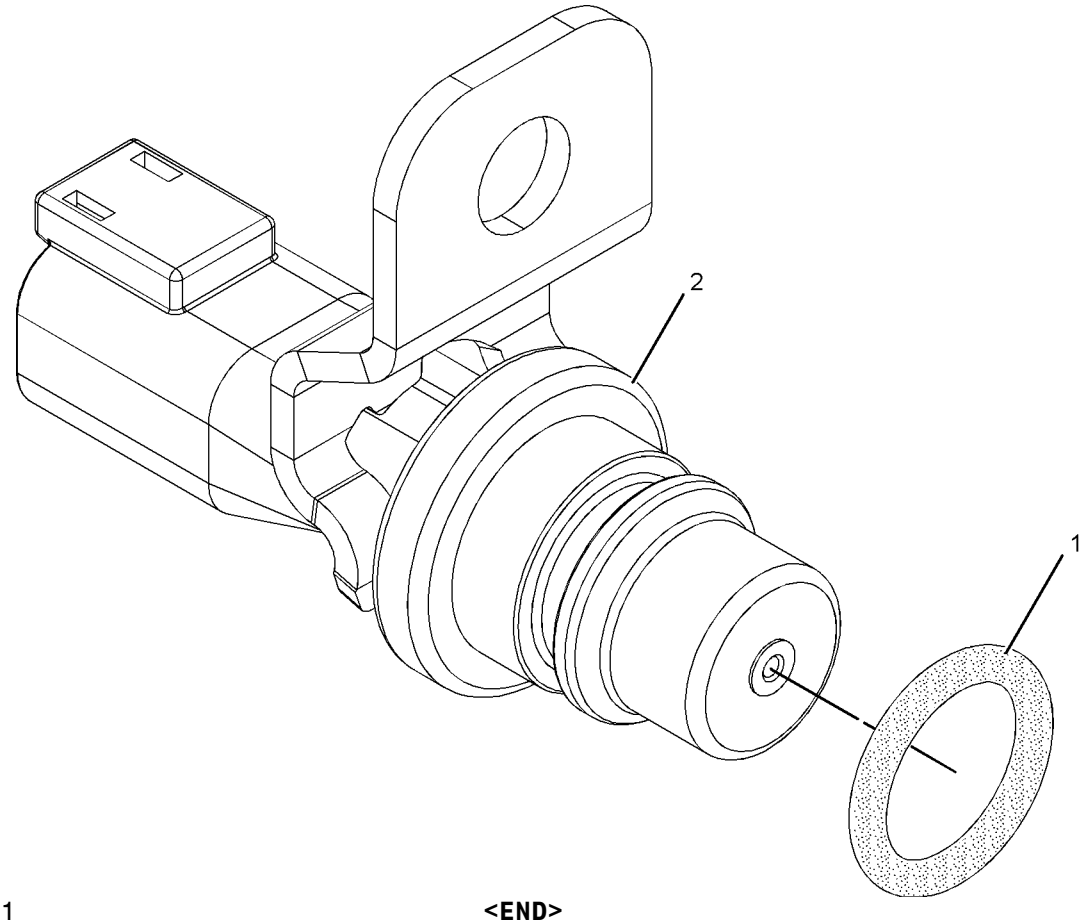
GRAPHIC #1 **<END>** g01977393

214-2484 SENSOR GP-SPEED

S/N: JRE106-UP
PART OF 231-1973 SENSOR GP-ENGINE
ALSO AN ATTACHMENT

SMCS-1907 **i03319926**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**228-4947**	1	SEAL-O-RING	
	2	1	**191-8303**	1	SENSOR GP-SPEED	
		1	**137-6645**	1	PAD (CONNECTOR)	



GRAPHIC #1 **<END>** g01021497

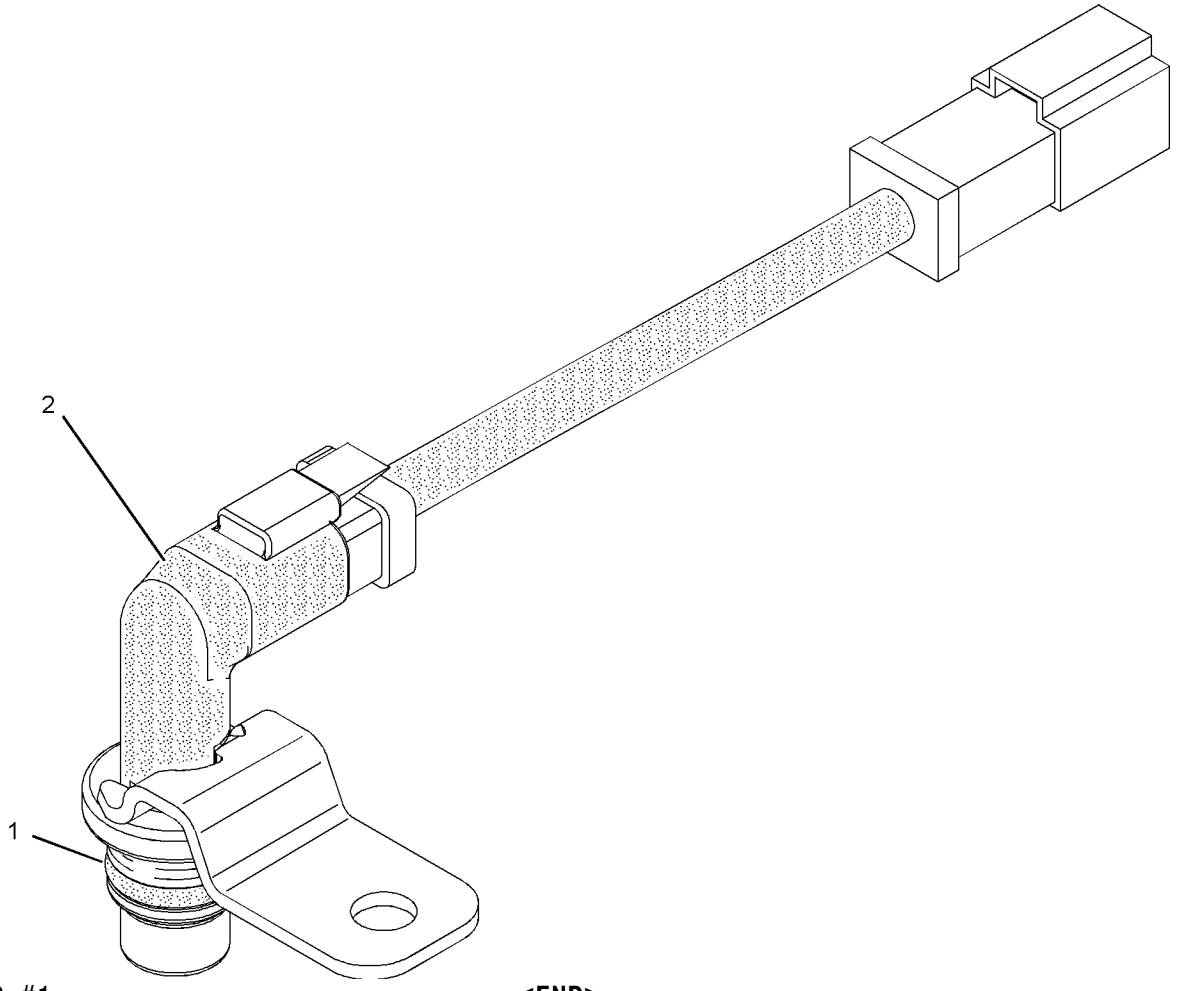
239-5928 SENSOR GP-SPEED

S/N: JRE106-UP
PART OF 231-1973 SENSOR GP-ENGINE
ALSO AN ATTACHMENT

SMCS-1907 **i03186390**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**228-4947**	1	SEAL-O-RING	
Y	2	1	**201-6617**	1	SENSOR GP-SPEED	901

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01019337

ELECTRICAL AND STARTING SYSTEM

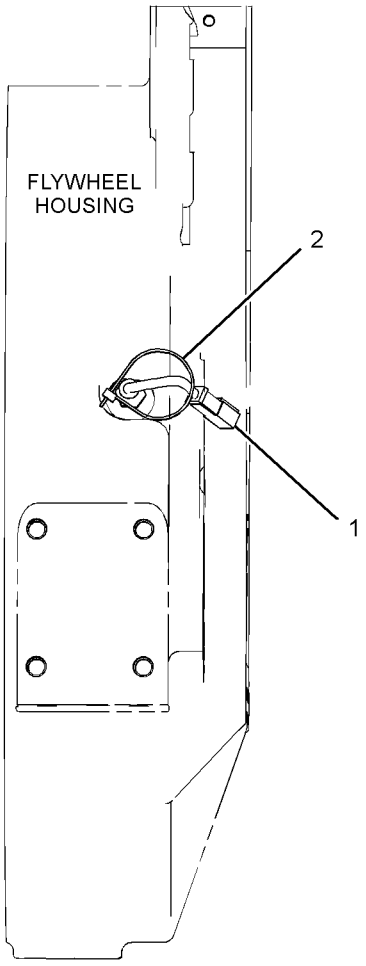
350-7594 SENSOR GP-SPEED

AN ATTACHMENT

SMCS-1907 **i03666060**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**189-5746**	1	SENSOR GP-SPEED (FLYWHEEL)	900
	2	1	**7K-1181**	1	STRAP-CABLE	

Y-SEPARATE ILLUSTRATION



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01979053

145-7028 SENSOR GP-TEMPERATURE

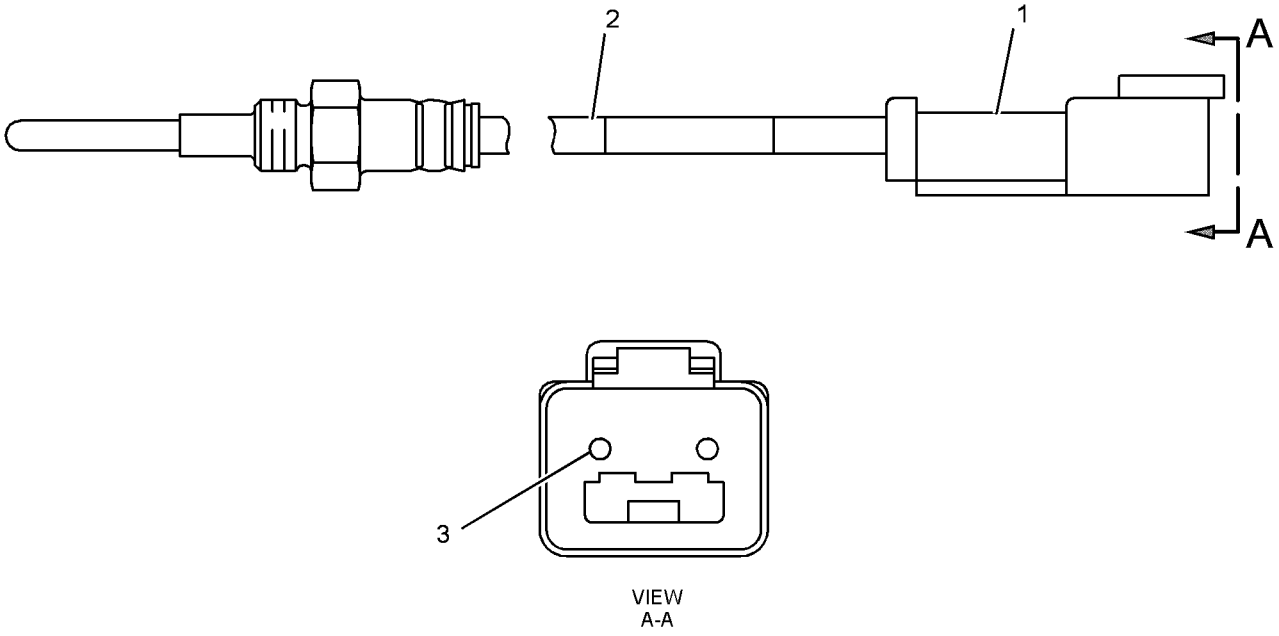
PART OF 229-9985 SENSOR GP-TEMPERATURE

AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i03422020**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
J	2	1	**153-5043**		SLEEVE (2.8-DM)	
	3	1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	

J-ORDER BY THE DECIMETER



VIEW
A-A

GRAPHIC #1 **<END>** g01740798

197-8391 SENSOR GP-TEMPERATURE

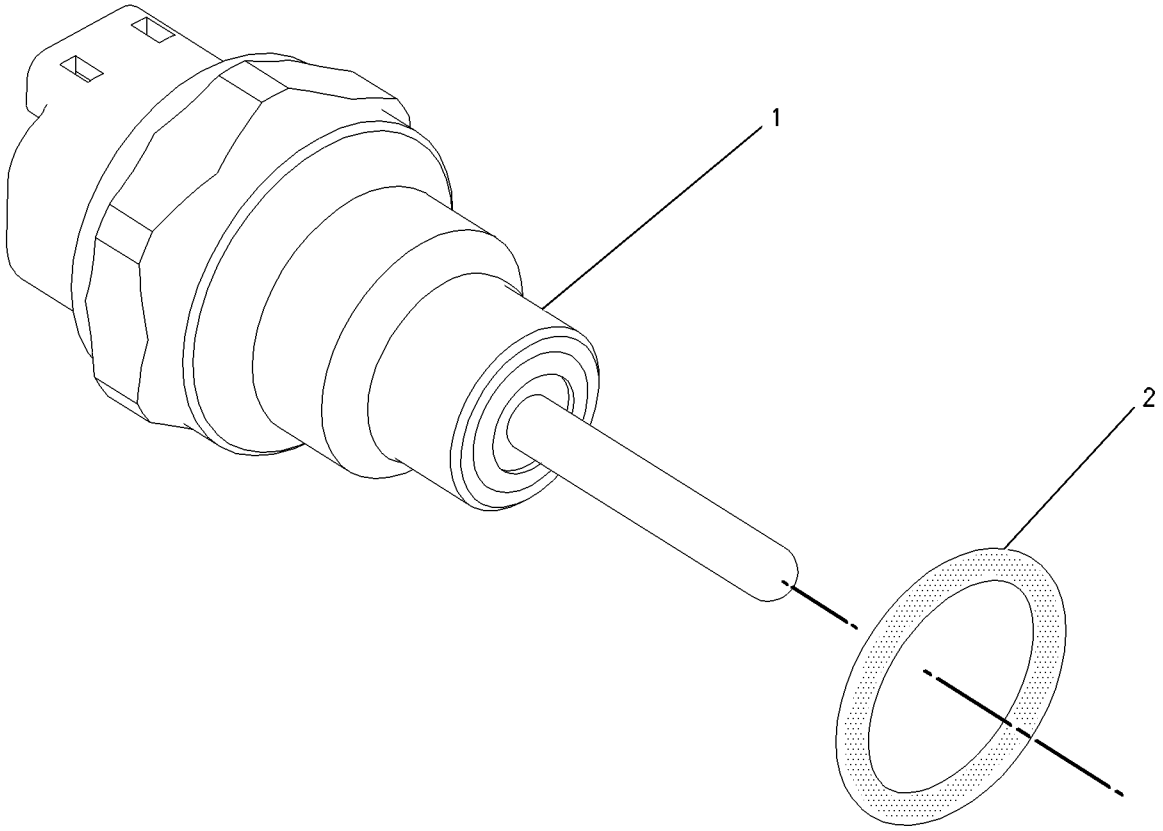
S/N: JRE106-586

PART OF 240-6040 LINES GP-FUEL, 237-4296, 255-0654, 255-0655, 255-0656, 255-0657, 270-3935, 271-4489 LINES GP-FUEL FILTER, 257-7275 PUMP GP-FUEL PRM & SEC FILTER, 231-1973 SENSOR GP-ENGINE

ALSO AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i02938842**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**130-9811**	1	SENSOR GP-TEMPERATURE	
		1	**137-6645**	1	PAD	
	2	1	**8L-2786**	1	SEAL-O-RING	



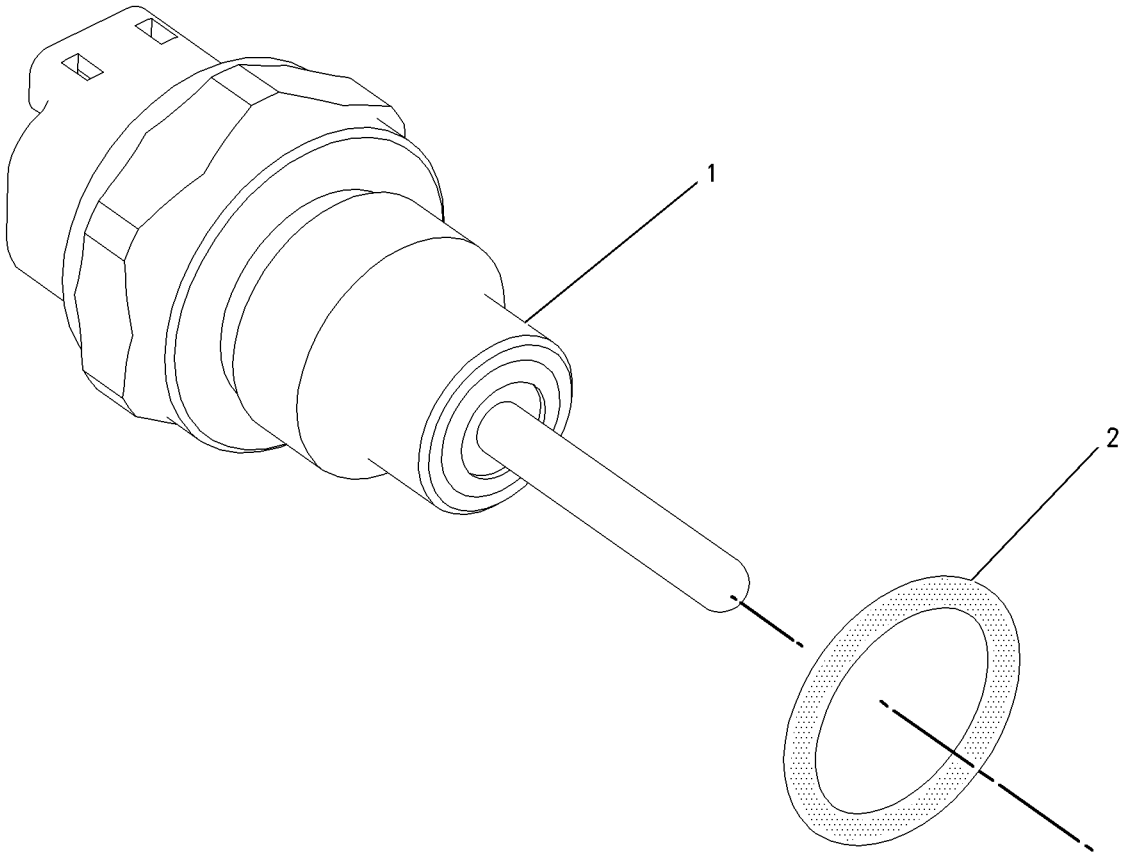
GRAPHIC #1 **<END>** g00856011

197-8392 SENSOR GP-TEMPERATURE

S/N: JRE106-586
PART OF 231-1973 SENSOR GP-ENGINE
ALSO AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i03151493**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**130-9811**	1	SENSOR GP-TEMPERATURE	
		1	**137-6645**		PAD	
	2	1	**6V-6609**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g00856005

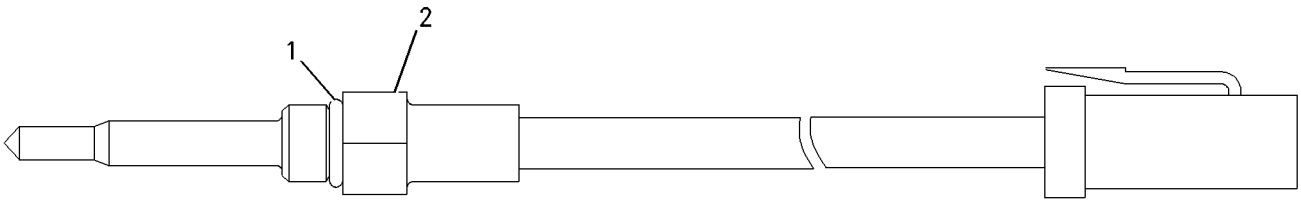
229-9985 SENSOR GP-TEMPERATURE

AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i03125801**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**108-5803**	1	SEAL-O-RING	
Y	2	1	**145-7028**	1	SENSOR GP-TEMPERATURE	905

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00950383

234-5013 SENSOR GP-TEMPERATURE

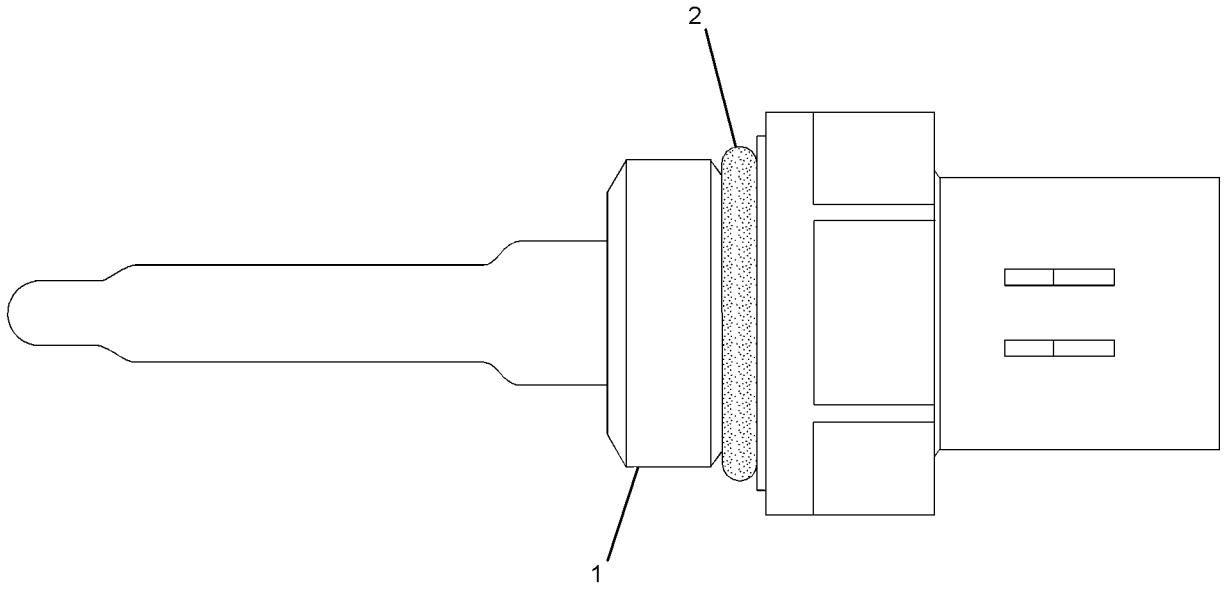
AMPSEAL CONNECTOR

PART OF 240-6040 LINES GP-FUEL, 237-4296, 255-0654, 255-0655, 255-0656, 255-0657, 270-3935, 271-4489, 324-0671, 324-0672 LINES GP-FUEL FILTER, 257-7275 PUMP GP-FUEL PRM & SEC FILTER

AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i03603728**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**256-6453**	1	SENSOR AS-TEMPERATURE	
	2	1	**238-5080**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g01164268

274-7395 SENSOR GP-TEMPERATURE

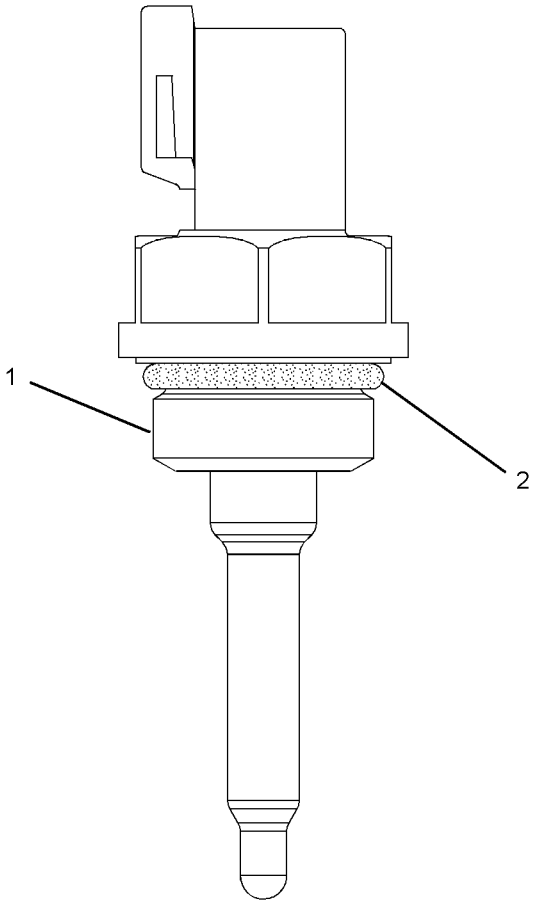
S/N: JRE587-UP

PART OF 231-1973 SENSOR GP-ENGINE

ALSO AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i03442321**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**264-4297**	1	SENSOR GP-TEMPERATURE	
		1	**137-6645**	1	PAD	
	2	1	**8L-2786**	1	SEAL-O-RING	



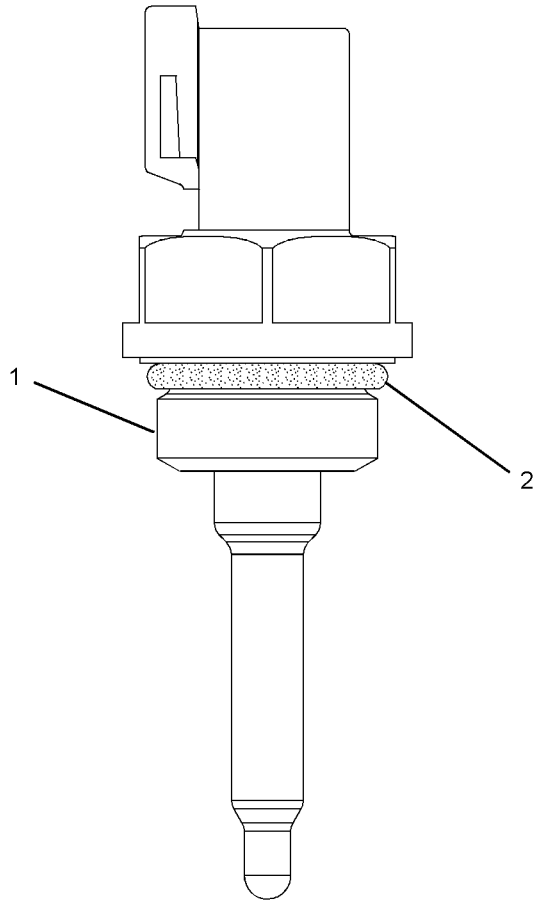
GRAPHIC #1 **<END>** g01353734

274-7396 SENSOR GP-TEMPERATURE

S/N: JRE587-UP
PART OF 231-1973 SENSOR GP-ENGINE
ALSO AN ATTACHMENT

SMCS-1906, 1919, 1921, 1922, 1928, 1929 **i03442340**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**264-4297**	1	SENSOR GP-TEMPERATURE	
		1	**137-6645**	1	PAD	
	2	1	**6V-6609**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g01353734

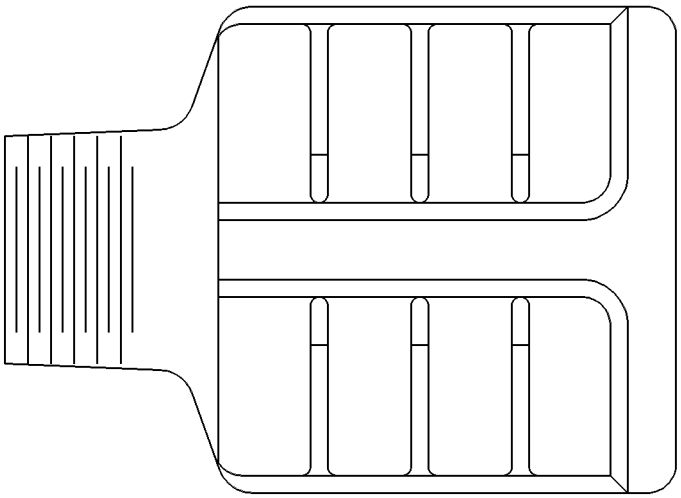
ELECTRICAL AND STARTING SYSTEM

138-2544 SILENCER-AIR STARTING

REQUIRES AIR STARTING MOTOR WITH 1 1/4 - 11 1/2 NPT THREAD EXHAUST PORT AN ATTACHMENT

SMCS-1468 **i00671768**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(INDIVIDUAL PARTS ARE NOT SERVICED SEPARATELY)	



GRAPHIC #1 **<END>** g00283682

221-5430 STARTING AID GP-ETHER

24 VOLT
CANNOT BE USED WITH MECHANICAL ENGINES
AN ATTACHMENT

SMCS-1456 **i02264598**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	127-7443	1	ATOMIZER AS	
			ON C-15 AND C-16 INSTALL WITH ORIFICE DIRECTED TOWARD ENGINE	
	3B-6768	1	BUSHING-REDUCER	
	7N-2059	1	CLAMP AS	
	5P-2948	1	FITTING AS	
	4K-9821	1	SLEEVE	
	4K-9822	1	NUT (5/16-24-THD)	
	230-1434	1	FITTING AS	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN) (ETHER STARTING AID)	
			(INCLUDES PLUG AS AND WEDGE)	
	3E-5239	1	RELAY AS (24-VOLT) (STARTING AID)	
			THIS RELAY MUST BE ISOLATED FROM ENGINE VIBRATION	
	186-3736	2	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	2V-1713	1	TAG-NOTICE (STARTING AID)	
	7E-8866	4	TERMINAL-BLADE (14-GA TO 16-GA)	
	7N-0140	1	TUBE AS-COIL	
	8N-3536	1	TUBE-STEEL	
	228-0853	1	VALVE GP-ETHER STARTING (24-VOLT) (STARTING AID)	
	7N-9801	1	GASKET	
	102-8802	1	KIT-RECEPTACLE (2-PIN) (ETHER VALVE)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	186-3735	2	PIN-CONNECTOR (16-GA TO 18-GA)	
	3E-3362	1	WEDGE-PLUG LOCK (2-PIN)	
BD	**5P-5623**		WIRE-ELECTRICAL (16-GA, BLACK) (3M)	
A	**7N-0296**	1	CYLINDER AS-ETHER	
			(MAY BE PROCURED LOCALLY FROM CAT DEALER)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
D-ORDER BY THE METER

<END>

ELECTRICAL AND STARTING SYSTEM

260-3932 STARTING AID GP-ETHER

12 VOLT CONTINUOUS FLOW SYSTEM
CANNOT BE USED WITH MECHANICAL ENGINES
AN ATTACHMENT

SMCS-1456 **i02509995**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	127-7443	1	ATOMIZER AS	
			(ON C-15 AND C-18 INSTALL WITH ORIFICE DIRECTED TOWARD ENGINE)	
	3B-6768	1	BUSHING-REDUCER	
	7N-2059	1	CLAMP AS	
	230-1434	1	FITTING AS	
	236-4545		NUT-SLEEVE (5/16-24-THD)	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN)	
			(INCLUDES PLUG AS AND WEDGE)	
	186-3736	2	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	2V-1713	1	TAG-NOTICE (STARTING AID)	
	7N-0140	1	TUBE AS-COIL	
	8N-3536	1	TUBE-STEEL	
Y	**260-1844**	1	VALVE GP-ETHER STARTING (12-VOLT)	960
BD	**5P-5623**		WIRE-ELECTRICAL (16-GA, BLACK) (3-M)	
A	**7N-0296**	1	CYLINDER AS-ETHER	
			(MAY BE PROCURED LOCALLY FROM CAT DEALER)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
D-ORDER BY THE METER
Y-SEPARATE ILLUSTRATION

<END>

260-3934 STARTING AID GP-ETHER

24 VOLT CONTINUOUS FLOW SYSTEM
CANNOT BE USED WITH MECHANICAL ENGINES
AN ATTACHMENT

SMCS-1456 **i02509999**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	127-7443	1	ATOMIZER AS	
			(ON C-15 AND C-18 INSTALL WITH ORIFICE DIRECTED TOWARD ENGINE)	
	3B-6768	1	BUSHING-REDUCER	
	7N-2059	1	CLAMP AS	
	230-1434	1	FITTING AS	
	236-4545	1	NUT-SLEEVE (5/16-24-THD)	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN) (ETHER START AID)	
			(INCLUDES PLUG AS AND WEDGE)	
	186-3736	2	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	2V-1713	1	TAG-NOTICE (STARTING AID)	
	7N-0140	1	TUBE AS-COIL	
	8N-3536	1	TUBE-STEEL	
Y	**239-1134**	1	VALVE GP-ETHER STARTING (24-VOLT)	959
BD	**5P-5623**		WIRE-ELECTRICAL (16-GA, BLACK) (3-M)	
A	**7N-0296**	1	CYLINDER AS-ETHER	
			(MAY BE PROCURED LOCALLY FROM CAT DEALER)	

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
D-ORDER BY THE METER
Y-SEPARATE ILLUSTRATION

<END>

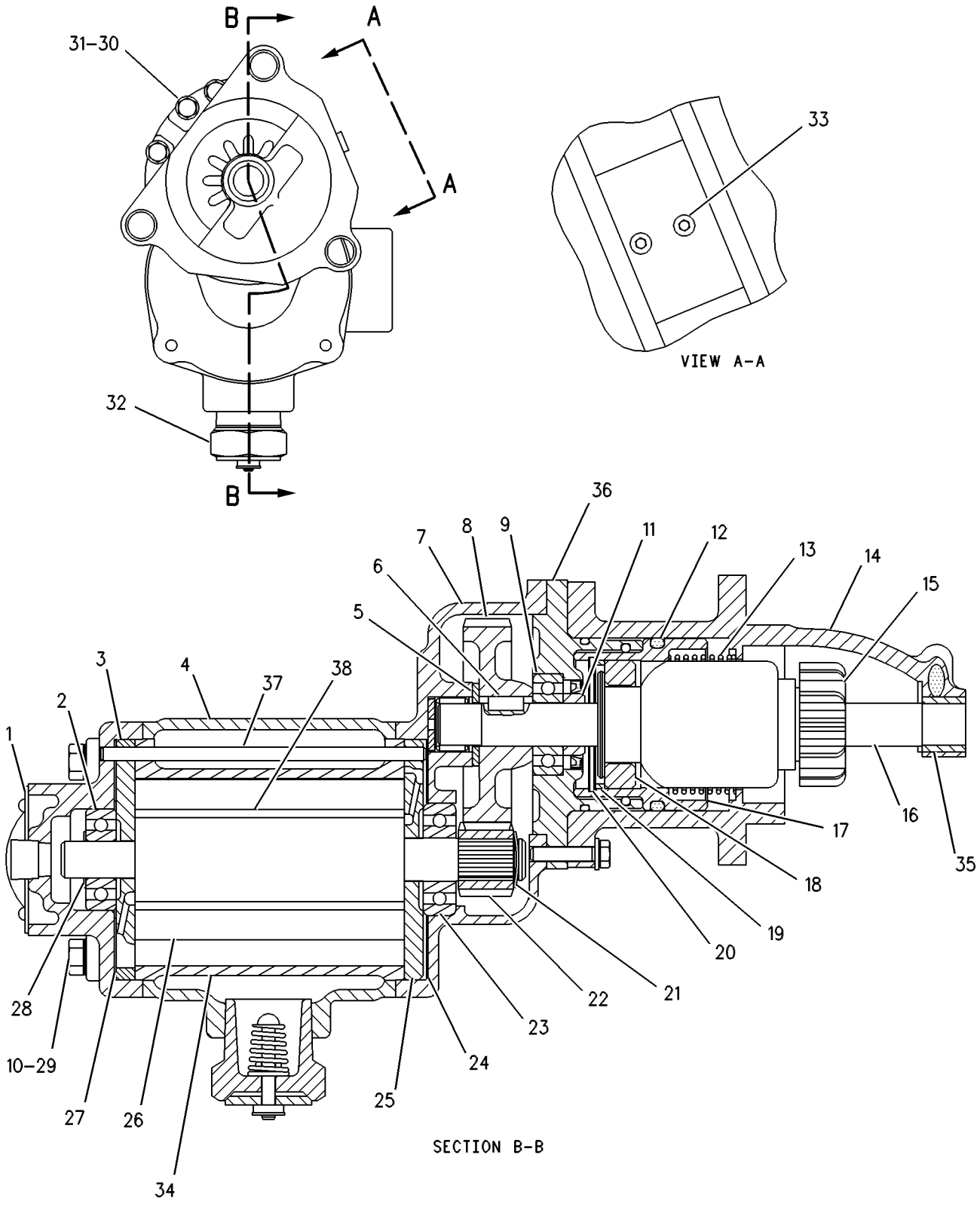
ELECTRICAL AND STARTING SYSTEM

105-5080 STARTING MOTOR GP-AIR

PART OF 136-2640 STARTING MOTOR GP-AIR
AN ATTACHMENT
TYPE 1

SMCS-1451 **i02900450**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-4371**	1	COVER AS-HOUSING	
		1	**7M-7410**	3	PLUG-PIPE	
	2	1	**4N-4375**	1	BALL BEARING	
	3	1	**4N-4377**	1	PLATE-REAR END	
	4	1	**4N-4383**	1	HOUSING-MOTOR	
	5	1	**4N-4390**	1	WASHER-THRUST (0.797X1.50X0.125-IN THK)	
	6	1	**4N-4391**	1	KEY-GEAR	
	7	1	**4N-4387**	1	CASE AS-GEAR	
		1	**4N-4388**	1	WASHER-EJECTION	
		1	**009-1436**	1	BEARING	
	8	1	**4N-4394**	1	GEAR-DRIVE (45-TEETH)	
	9	1	**5F-8651**	1	BALL BEARING	
	10	1	**105-5136**	4	WASHER (9.92X16.67X0.79-MM THK)	
	11	1	**4N-4397**	1	COLLAR-DRIVE SHAFT	
	12	1	**3P-0653**	1	SEAL-O-RING	
	13	1	**4N-4403**	1	SPRING-RING	
	14	1	**105-5138**	1	HOUSING	
	15	1	**4N-4405**	1	CLUTCH AS-DRIVE	
	16	1	**4N-4421**	1	SHAFT-DRIVE	
	17	1	**105-5137**	1	PISTON	
	18	1	**4N-4400**	1	RING-SHIFT	
	19	1	**4N-4402**	1	SPACER (2.156X2.375X0.188-IN THK)	
	20	1	**052-0512**	1	RING-RETAINING (INTERNAL)	
	21	1	**4N-4386**	1	RETAINER-PINION	
	22	1	**4N-4413**	1	PINION-ROTOR	
	23	1	**9B-9774**	1	BALL BEARING	
	24	1	**4N-4384**	1	GASKET-GEAR CASE	
	25	1	**4N-4382**	1	PLATE-FRONT END	
	26	1	**4N-4381**	1	ROTOR	
	27	1	**4N-4376**	1	GASKET-HOUSING COVER	
	28	1	**5L-4035**	1	RING-RETAINING (EXTERNAL)	
	29	1	**8F-8544**	4	BOLT (3/8-16X6.25-IN)	
	30	1	**7B-2742**	12	BOLT (1/4-20X1.25-IN)	
	31	1	**5P-0537**	12	WASHER-HARD (7.2X14.5X2-MM THK)	
	32	1	**4N-4409**	1	DEFLECTOR AS	
	33	1	**8T-6763**	2	PLUG-PIPE	
	34	1	**4N-4378**	1	CYLINDER	
	35	1	**6D-3787**	1	BEARING-ROLLER	
	36	1	**4N-4392**	1	COVER AS-CASE	
		1	**4N-4393**	1	SEAL-LIP TYPE	
		1	**6J-2244**	1	SEAL-O-RING	
		1	**6V-1179**	1	SEAL-O-RING	
	37	1	**4N-4379**	1	DOWEL-CYLINDER	
	38	1	**4N-4380**	1	KIT-VANE (AIR STARTING MOTOR)	



GRAPHIC #1 **<END>** g00248256

ELECTRICAL AND STARTING SYSTEM

105-5080 STARTING MOTOR GP-AIR

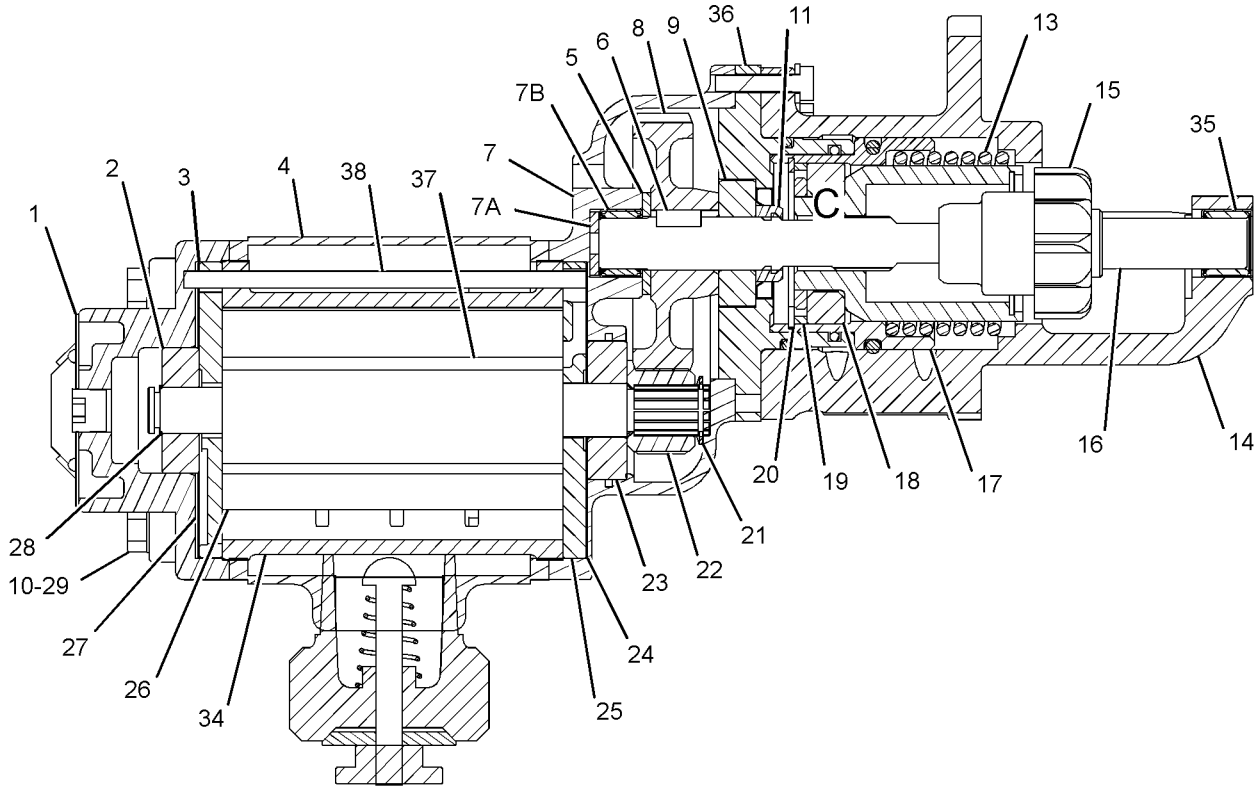
PART OF 136-2640 STARTING MOTOR GP-AIR
AN ATTACHMENT
TYPE 2

SMCS-1451 **i03177101**

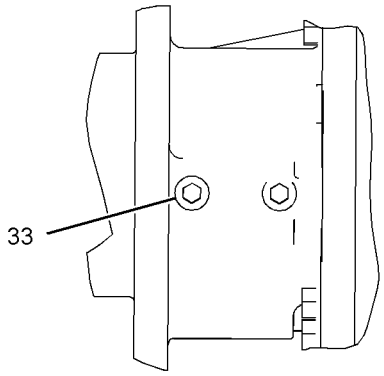
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-4371**	1	COVER AS-HOUSING	
		1	**7M-7410**	3	PLUG-PIPE	
	2	1	**4N-4375**	1	BALL BEARING	
	3	1	**4N-4377**	1	PLATE-REAR END	
	4	1	**4N-4383**	1	HOUSING-MOTOR	
	5	1	**4N-4390**	1	WASHER-THRUST (0.797X1.50X0.125-IN THK)	
	6	1	**4N-4391**	1	KEY-GEAR	
	7	1	**4N-4387**	1	CASE AS-GEAR	
	7A	1	**4N-4388**	1	WASHER-EJECTION	
	7B	1	**009-1436**	1	BEARING	
	8	1	**4N-4394**	1	GEAR-DRIVE (45-TEETH)	
	9	1	**5F-8651**	1	BALL BEARING	
	10	1	**105-5136**	4	WASHER (9.92X16.67X0.79-MM THK)	
	11	1	**4N-4397**	1	COLLAR-DRIVE SHAFT	
	12	1	**3P-0653**	1	SEAL-O-RING	
	13	1	**4N-4403**	1	SPRING-RING	
	14	1	**105-5138**	1	HOUSING	
	15	1	**4N-4405**	1	CLUTCH AS-DRIVE	
	16	1	**4N-4421**	1	SHAFT-DRIVE	
	17	1	**105-5137**	1	PISTON	
	18	1	**4N-4400**	1	RING-SHIFT	
	19	1	**4N-4402**	1	SPACER (2.156X2.375X0.188-IN THK)	
	20	1	**052-0512**	1	RING-RETAINING (INTERNAL)	
	21	1	**4N-4386**	1	RETAINER-PINION	
	22	1	**4N-4413**	1	PINION-ROTOR	
	23	1	**9B-9774**	1	BALL BEARING	
	24	1	**4N-4384**	1	GASKET-GEAR CASE	
	25	1	**4N-4382**	1	PLATE-FRONT END	
	26	1	**4N-4381**	1	ROTOR	
	27	1	**4N-4376**	1	GASKET-HOUSING COVER	
	28	1	**5L-4035**	1	RING-RETAINING (EXTERNAL)	
	29	1	**8F-8544**	4	BOLT (3/8-16X6.25-IN)	
C	30	1	**7B-2742**	9	BOLT (1/4-20X1.25-IN)	
C	31	1	**5P-0537**	9	WASHER-HARD (7.2X14.5X2-MM THK)	
	32	1	**4N-4409**	1	DEFLECTOR AS	
	33	1	**8T-6763**	2	PLUG-PIPE	
	34	1	**4N-4378**	1	CYLINDER	
	35	1	**6D-3787**	1	BEARING-ROLLER	
	36	1	**4N-4392**	1	COVER AS-CASE	
	36A	1	**4N-4393**	1	SEAL-LIP TYPE	
	36B	1	**6J-2244**	1	SEAL-O-RING	
	36C	1	**6V-1179**	1	SEAL-O-RING	
	37	1	**4N-4379**	1	DOWEL-CYLINDER	
	38	1	**4N-4380**	1	KIT-VANE (AIR STARTING MOTOR)	

C-CHANGE FROM PREVIOUS TYPE

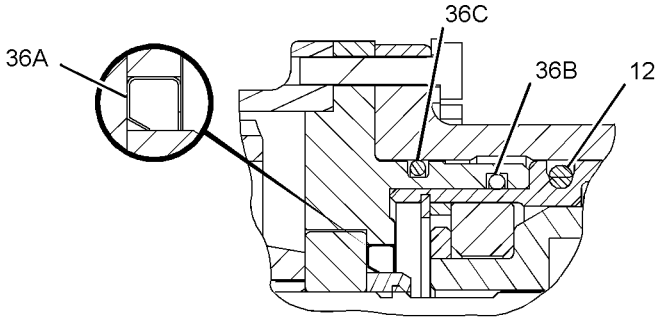
105-5080 STARTING MOTOR GP-AIR *(contd.)* **i03177101**



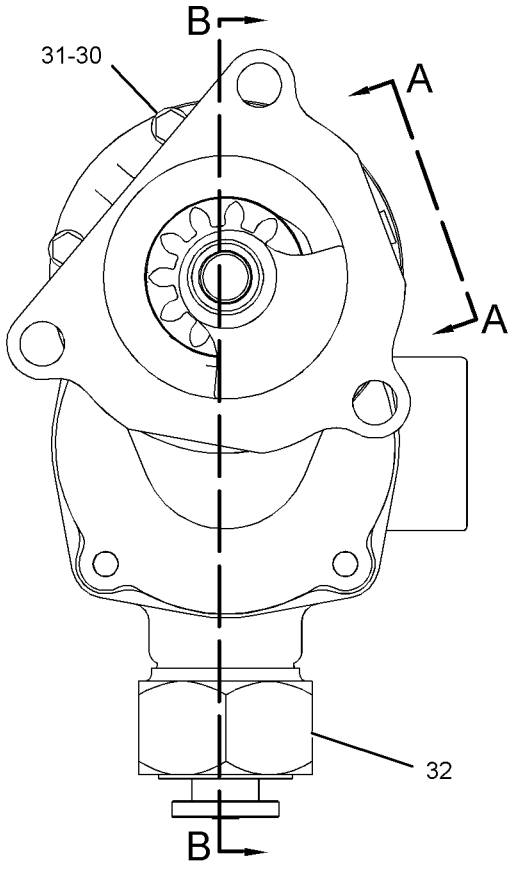
SECTION B-B



VIEW A-A



VIEW OF AREA C



GRAPHIC #1 **<END>** g01625251

ELECTRICAL AND STARTING SYSTEM

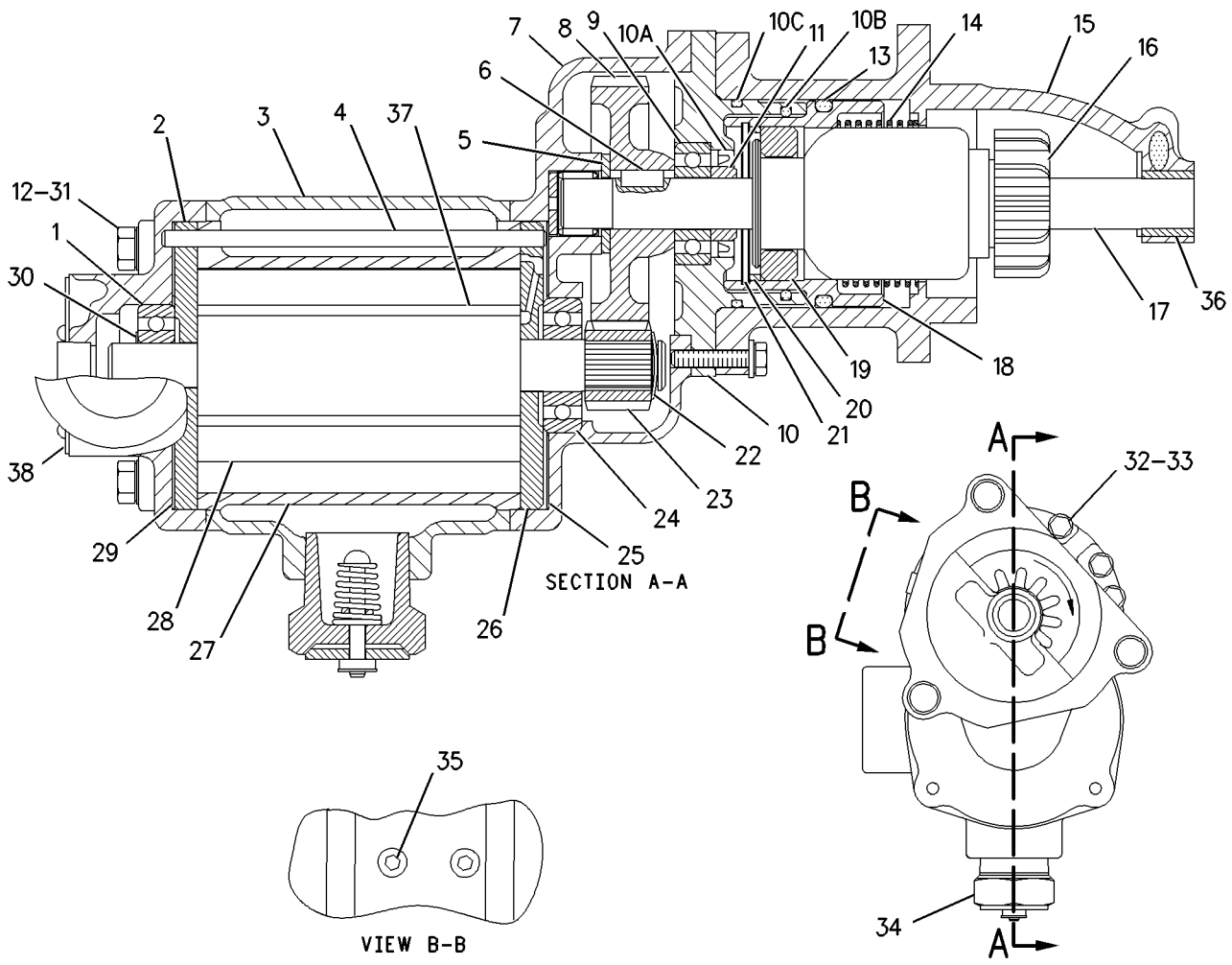
105-5081 STARTING MOTOR GP-AIR*R

PART OF 136-2641 STARTING MOTOR GP-AIR
AN ATTACHMENT
TYPE 1

SMCS-1451 **i02900453**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-4375**	1	BALL BEARING	
	2	1	**4N-4377**	1	PLATE-REAR END	
	3	1	**4N-4383**	1	HOUSING-MOTOR	
	4	1	**4N-4379**	1	DOWEL-CYLINDER	
	5	1	**4N-4390**	1	WASHER-THRUST (0.797X1.50X0.125-IN THK)	
	6	1	**4N-4391**	1	KEY-GEAR	
	7	1	**4N-4387**	1	CASE AS-GEAR	
		1	**4N-4388**	1	WASHER-EJECTION	
		1	**009-1436**	1	BEARING	
	8	1	**4N-4394**	1	GEAR-DRIVE (45-TEETH)	
	9	1	**5F-8651**	1	BALL BEARING	
	10	1	**4N-4392**	1	COVER AS-CASE	
	10A	1	**4N-4393**	1	SEAL-LIP TYPE	
	10B	1	**6J-2244**	1	SEAL-O-RING	
	10C	1	**6V-1179**	1	SEAL-O-RING	
	11	1	**4N-4397**	1	COLLAR-DRIVE SHAFT	
	12	1	**105-5136**	4	WASHER (9.92X16.67X0.79-MM THK)	
	13	1	**3P-0653**	1	SEAL-O-RING	
	14	1	**4N-4403**	1	SPRING-RING	
	15	1	**105-5138**	1	HOUSING	
	16	1	**4N-4405**	1	CLUTCH AS-DRIVE	
	17	1	**4N-4421**	1	SHAFT-DRIVE	
	18	1	**105-5137**	1	PISTON	
	19	1	**4N-4400**	1	RING-SHIFT	
	20	1	**4N-4402**	1	SPACER (2.156X2.375X0.188-IN THK)	
	21	1	**052-0512**	1	RING-RETAINING (INTERNAL)	
	22	1	**4N-4386**	1	RETAINER-PINION	
	23	1	**4N-4413**	1	PINION-ROTOR	
	24	1	**9B-9774**	1	BALL BEARING	
	25	1	**4N-4384**	1	GASKET-GEAR CASE	
	26	1	**4N-4382**	1	PLATE-FRONT END	
	27	1	**4N-4378**	1	CYLINDER	
	28	1	**4N-4381**	1	ROTOR	
	29	1	**4N-4376**	1	GASKET-HOUSING COVER	
	30	1	**5L-4035**	1	RING-RETAINING (EXTERNAL)	
	31	1	**8F-8544**	4	BOLT (3/8-16X6.25-IN)	
	32	1	**7B-2742**	12	BOLT (1/4-20X1.25-IN)	
	33	1	**5P-0537**	12	WASHER-HARD (7.2X14.5X2-MM THK)	
	34	1	**4N-4409**	1	DEFLECTOR AS (ROAD SPLASH)	
	35	1	**8T-6763**	2	PLUG-PIPE	
	36	1	**6D-3787**	1	BEARING-ROLLER	
	37	1	**4N-4380**	1	KIT-VANE (AIR STARTING MOTOR)	
	38	1	**4N-4371**	1	COVER AS-HOUSING	
		1	**7M-7410**	1	PLUG-PIPE	

105-5081 STARTING MOTOR GP-AIR *(contd.)* **i02900453**



GRAPHIC #1 **<END>** g00889367

ELECTRICAL AND STARTING SYSTEM

105-5081 STARTING MOTOR GP-AIR*R

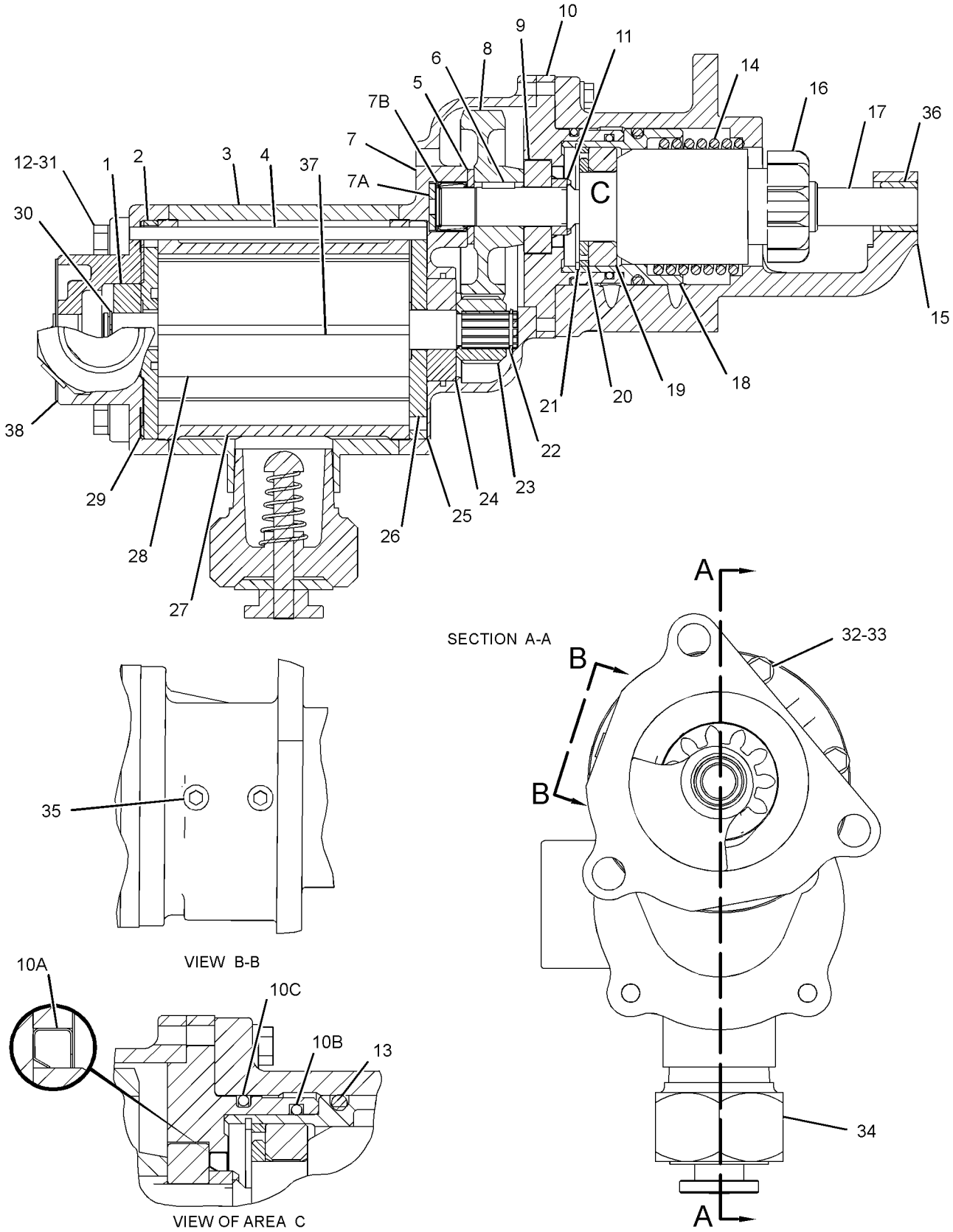
PART OF 136-2641 STARTING MOTOR GP-AIR
AN ATTACHMENT
TYPE 2

SMCS-1451 **i03177168**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-4375**	1	BALL BEARING	
	2	1	**4N-4377**	1	PLATE-REAR END	
	3	1	**4N-4383**	1	HOUSING-MOTOR	
	4	1	**4N-4379**	1	DOWEL-CYLINDER	
	5	1	**4N-4390**	1	WASHER-THRUST (0.797X1.50X0.125-IN THK)	
	6	1	**4N-4391**	1	KEY-GEAR	
	7	1	**4N-4387**	1	CASE AS-GEAR	
	7A	1	**4N-4388**	1	WASHER-EJECTION	
	7B	1	**009-1436**	1	BEARING	
	8	1	**4N-4394**	1	GEAR-DRIVE (45-TEETH)	
	9	1	**5F-8651**	1	BALL BEARING	
	10	1	**4N-4392**	1	COVER AS-CASE	
	10A	1	**4N-4393**	1	SEAL-LIP TYPE	
	10B	1	**6J-2244**	1	SEAL-O-RING	
	10C	1	**6V-1179**	1	SEAL-O-RING	
	11	1	**4N-4397**	1	COLLAR-DRIVE SHAFT	
	12	1	**105-5136**	4	WASHER (9.92X16.67X0.79-MM THK)	
	13	1	**3P-0653**	1	SEAL-O-RING	
	14	1	**4N-4403**	1	SPRING-RING	
	15	1	**105-5138**	1	HOUSING	
	16	1	**4N-4405**	1	CLUTCH AS-DRIVE	
	17	1	**4N-4421**	1	SHAFT-DRIVE	
	18	1	**105-5137**	1	PISTON	
	19	1	**4N-4400**	1	RING-SHIFT	
	20	1	**4N-4402**	1	SPACER (2.156X2.375X0.188-IN THK)	
	21	1	**052-0512**	1	RING-RETAINING (INTERNAL)	
	22	1	**4N-4386**	1	RETAINER-PINION	
	23	1	**4N-4413**	1	PINION-ROTOR	
	24	1	**9B-9774**	1	BALL BEARING	
	25	1	**4N-4384**	1	GASKET-GEAR CASE	
	26	1	**4N-4382**	1	PLATE-FRONT END	
	27	1	**4N-4378**	1	CYLINDER	
	28	1	**4N-4381**	1	ROTOR	
	29	1	**4N-4376**	1	GASKET-HOUSING COVER	
	30	1	**5L-4035**	1	RING-RETAINING (EXTERNAL)	
	31	1	**8F-8544**	4	BOLT (3/8-16X6.25-IN)	
C	32	1	**7B-2742**	9	BOLT (1/4-20X1.25-IN)	
C	33	1	**5P-0537**	9	WASHER-HARD (7.2X14.5X2-MM THK)	
	34	1	**4N-4409**	1	DEFLECTOR AS (ROAD SPLASH)	
	35	1	**8T-6763**	2	PLUG-PIPE	
	36	1	**6D-3787**	1	BEARING-ROLLER	
	37	1	**4N-4380**	1	KIT-VANE (AIR STARTING MOTOR)	
	38	1	**4N-4371**	1	COVER AS-HOUSING	
		1	**7M-7410**	1	PLUG-PIPE	

C-CHANGE FROM PREVIOUS TYPE

105-5081 STARTING MOTOR GP-AIR *(contd.)* i03177168



GRAPHIC #1 **<END>** g01625085

ELECTRICAL AND STARTING SYSTEM

136-2640 STARTING MOTOR GP-AIR

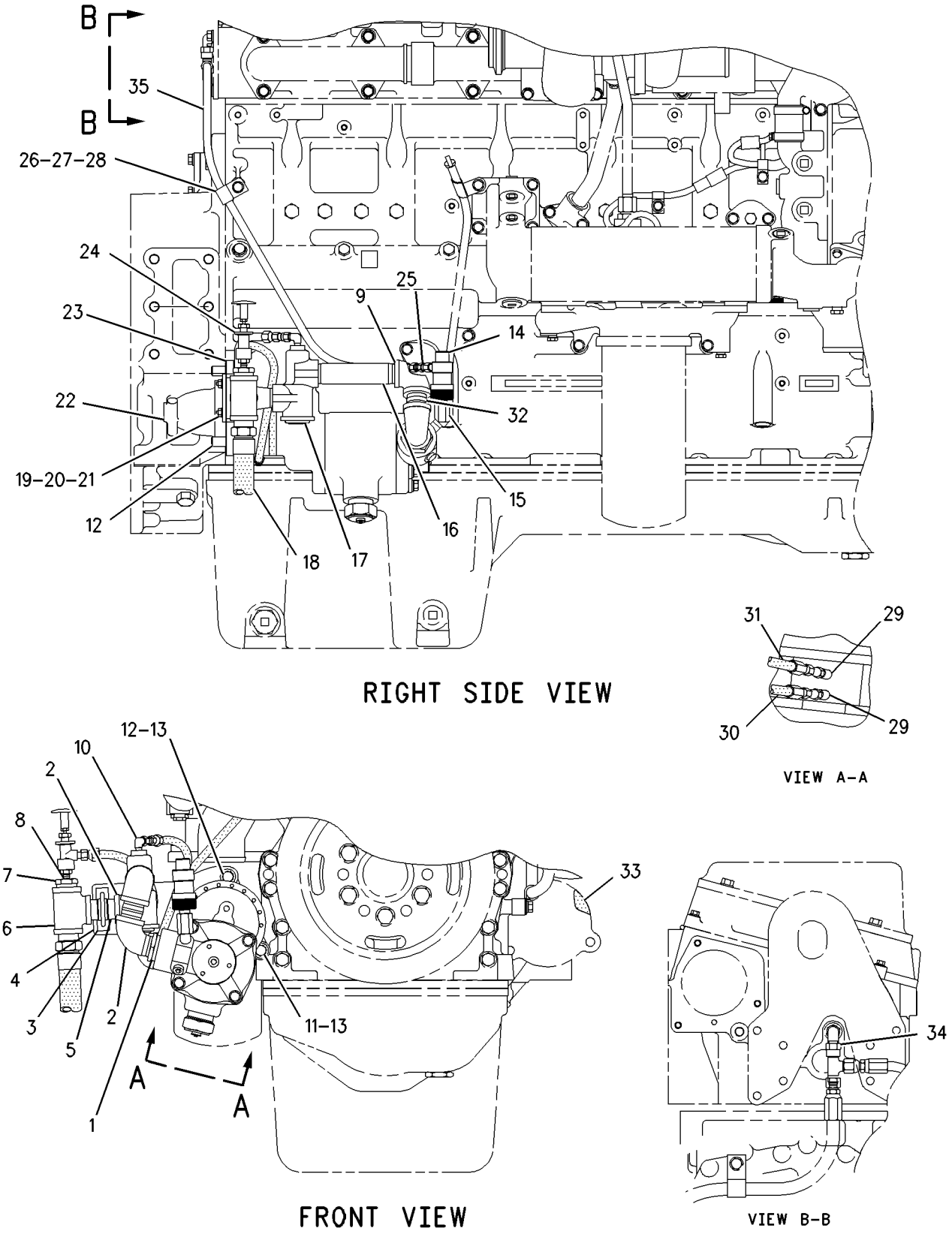
RH

AN ATTACHMENT

SMCS-1451 **i02140335**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3B-7257**	1	BUSHING-REDUCER	
	2	1	**3B-6555**	2	ELBOW	
	3	1	**6N-3899**	1	SPACER	
	4	1	**100-6648**	1	BRACKET AS	
		1	**2S-5658**	2	WASHER-HARD (17X29X3-MM THK)	
	5	1	**6B-8128**	1	NIPPLE-PIPE	
	6	1	**4B-7770**	1	TEE	
	7	1	**4D-3967**	1	BUSHING-REDUCER	
	8	1	**6V-1813**	1	FITTING	
	9	1	**3B-6498**	1	ELBOW	
	10	1	**6K-1972**	1	ELBOW-FLARED	
	11	1	**8S-2332**	1	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	
	12	1	**8S-2331**	2	BOLT-12 POINT HEAD (5/8-11X2-IN)	
	13	1	**2S-5658**	2	WASHER-HARD (17X29X3-MM THK)	
Y	14	1	**172-0208**	1	LUBRICATOR GP-AIR MOTOR	867
	15	1	**1L-2279**	1	ELBOW	
	16	1	**7B-9008**	1	NIPPLE-PIPE	
	17	1	**7M-9544**	1	VALVE (AIR STARTING MOTOR)	
I	18	1	**9L-4652**	1	HOSE AS	
	19	1	**9S-5828**	1	U-BOLT (1/4-20-THD)	
	20	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	21	1	**9S-8750**	2	NUT-FULL (1/4-20-THD)	
Y	22	1	**105-5080**	1	STARTING MOTOR GP-AIR	916
	23	1	**4H-7869**	1	GASKET	
	24	1	**4N-3410**	1	VALVE AS-CONTROL (STARTING)	
		1	**2W-0629**	1	KNOB-ENGINE START	
	25	1	**6L-9781**	1	CONNECTOR	
	26	1	**6D-3479**	1	CLIP	
	27	1	**0T-0102**	1	BOLT (3/8-16X0.625-IN)	
	28	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	29	1	**5J-7303**	2	ELBOW	
I	30	1	**3V-6153**	1	HOSE AS	
I	31	1	**3N-4411**	1	HOSE AS	
	32	1	**3B-7280**	1	NIPPLE-PIPE	
B	33	1	**4H-7869**	1	GASKET	
	34	1	**061-9258**	1	TEE	
I	35	1	**2G-6777**	1	HOSE AS	

B-USE AS REQUIRED
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00820788

ELECTRICAL AND STARTING SYSTEM

136-2641 STARTING MOTOR GP-AIR

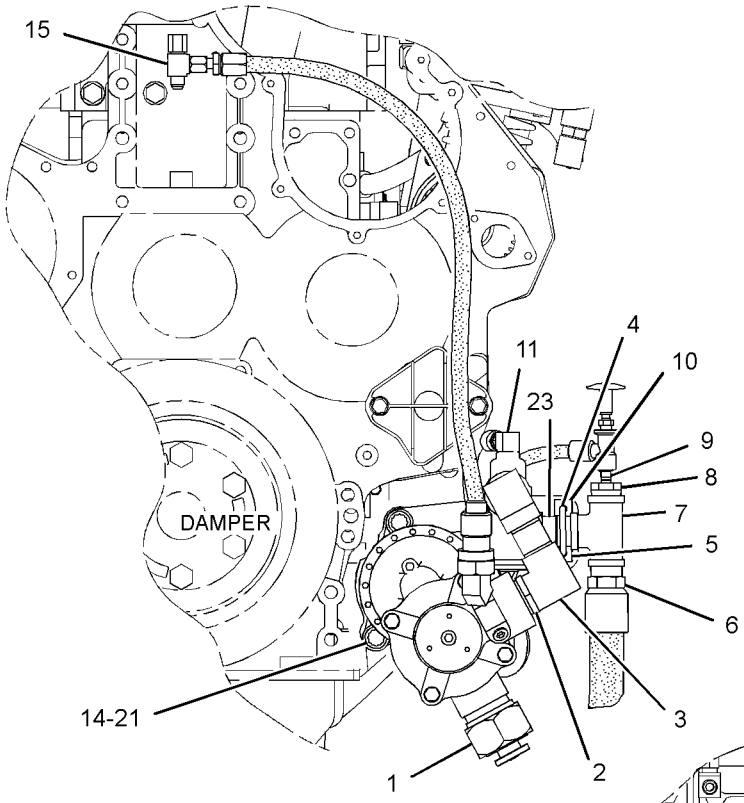
LH SIDE

FOR USE WITH AIR PRESSURE REGULATOR, IF AIR SUPPLY EXCEEDS 1034 KPA(150PSI).
CANNOT BE USED WITH COVER GP
AN ATTACHMENT

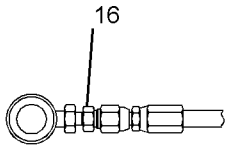
SMCS-1451 **i03177406**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
YR	1	1	**105-5081**	1	STARTING MOTOR GP-AIR	920
	2	1	**3B-7257**	1	BUSHING-REDUCER	
	3	1	**3B-6555**	2	ELBOW	
	4	1	**9S-5828**	1	U-BOLT (1/4-20-THD)	
	5	1	**6N-3899**	1	SPACER	
I	6	1	**9L-4652**	1	HOSE AS	
	7	1	**4B-7770**	1	TEE	
	8	1	**4D-3967**	1	BUSHING-REDUCER	
	9	1	**6V-1813**	1	FITTING	
	10	1	**101-3998**	1	BRACKET AS	
		1	**2S-5658**	2	WASHER-HARD (17X29X3-MM THK)	
	11	1	**6K-1972**	1	ELBOW-FLARED	
I	12	1	**6N-3246**	1	HOSE AS	
	13	1	**8S-2331**	2	BOLT-12 POINT HEAD (5/8-11X2-IN)	
	14	1	**2S-5658**	2	WASHER-HARD (17X29X3-MM THK)	
	15	1	**061-9258**	1	TEE	
	16	1	**6L-9781**	1	CONNECTOR	
	17	1	**4N-3410**	1	VALVE AS-CONTROL (STARTING)	
		1	**2W-0629**	1	KNOB-ENGINE START	
	18	1	**4H-7869**	1	GASKET	
	19	1	**9S-8750**	2	NUT-FULL (1/4-20-THD)	
	20	1	**5P-0537**	2	WASHER-HARD (7.2X14.5X2-MM THK)	
	21	1	**8S-2332**	1	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	
	22	1	**7M-9544**	1	VALVE (AIR STARTING MOTOR)	
	23	1	**3B-7280**	1	NIPPLE-PIPE	
	24	1	**1L-2279**	1	ELBOW	
	25	1	**6B-8129**	2	NIPPLE-PIPE	
Y	26	1	**172-0208**	1	LUBRICATOR GP-AIR MOTOR	867
	27	1	**3B-6498**	1	ELBOW	
I	28	1	**4W-4536**	1	HOSE AS	
I	29	1	**7V-1037**	1	HOSE AS	
	30	1	**5J-7303**	2	ELBOW	

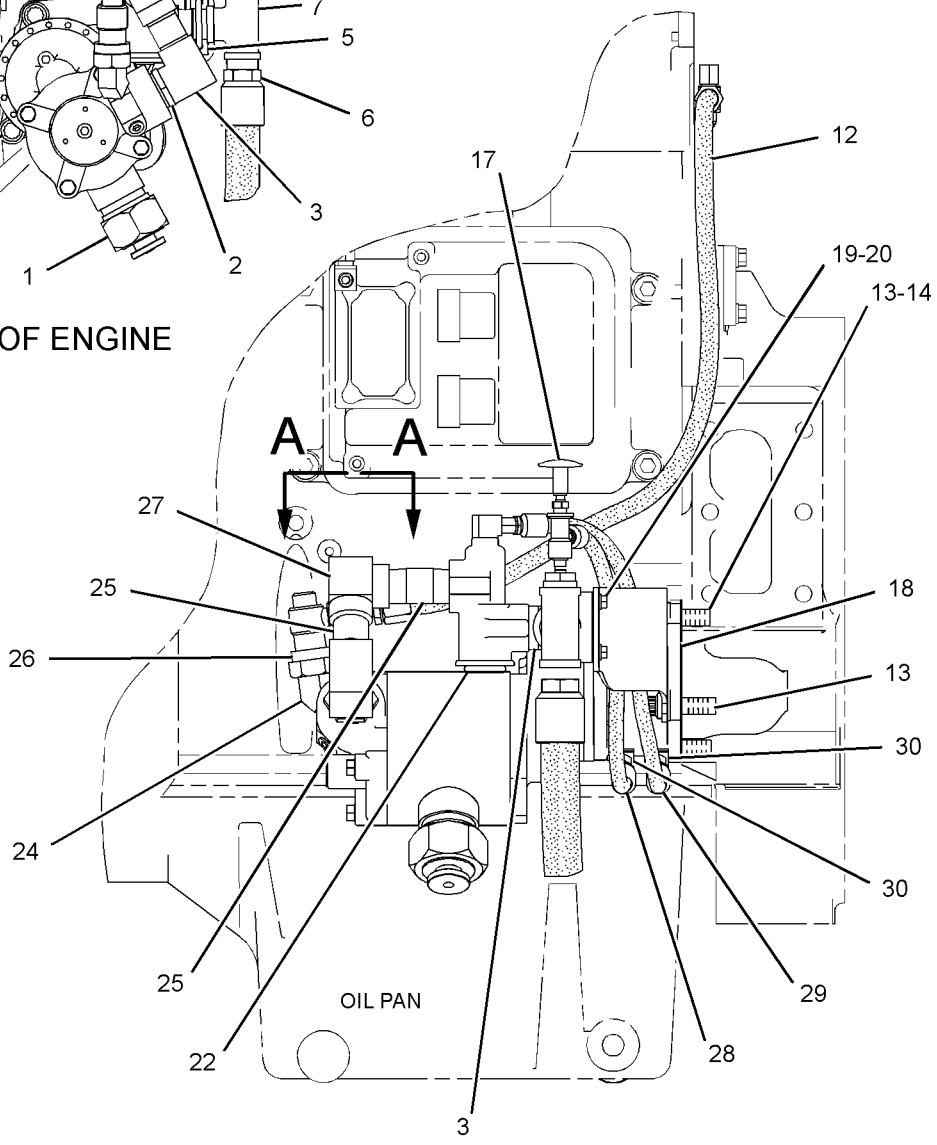
I-REFER TO HYDRAULIC INFORMATION SYSTEM
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



FRONT VIEW OF ENGINE



VIEW A-A



LEFT SIDE VIEW OF ENGINE

GRAPHIC #1

<END>

g01625301

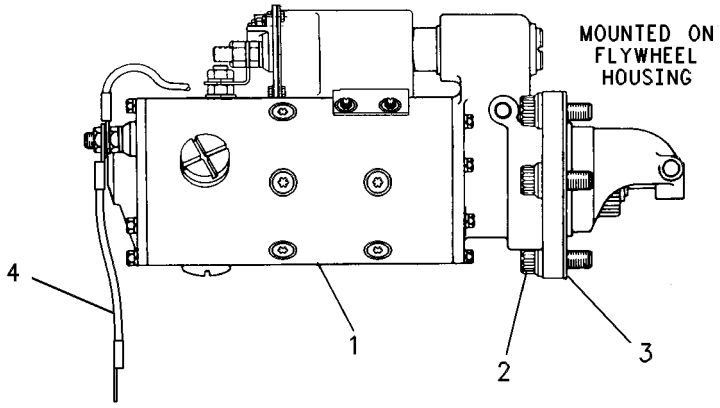
5N-2685 STARTING MOTOR GP-ELECTRIC

24-VOLT. FOR USE ON RH SIDE OF ENGINE, SOLENOID MOUNTED UP
CANNOT BE USED WITH TRANSMISSION OIL COOLER
AN ATTACHMENT

SMCS-1453 **i00548596**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*6V-0885*	1	STARTING MOTOR GP-ELECTRIC (24-VOLT)	929
	2	1	**8S-2332**	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	
		1	**4D-3704**	3	WASHER-HARD (17X30X5-MM THK)	
	3	1	**4N-1059**	3	GASKET	
	4	1	**9F-4337**	1	WIRE AS	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00252073

ELECTRICAL AND STARTING SYSTEM

6V-0885 STARTING MOTOR GP-ELECTRIC

24-VOLT
PART OF 5N-2685 STARTING MOTOR GP-ELECTRIC
FIELD REPLACEMENT ORDER 237-1962—PAGE 947
AN ATTACHMENT

SMCS-1453 **i03420640**

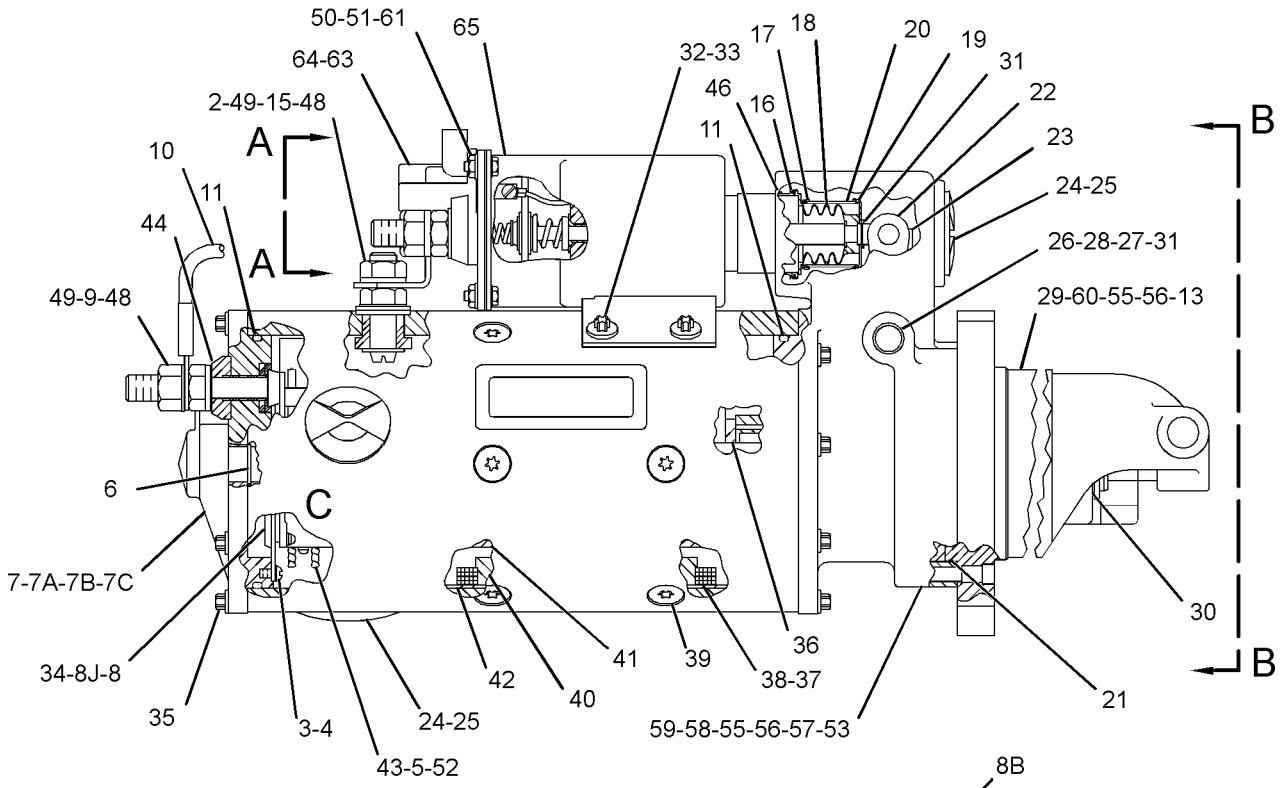
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7M-0326**	1	CONNECTOR	
	2	1	**9H-3757**	2	WASHER (0.516X1X0.094-IN THK)	
	3	1	**1S-7446**	3	SCREW-MACHINE (8-32X0.437-IN)	
	4	1	**8C-9660**	3	WASHER (4.6X7.9X0.8-MM THK)	
	5	1	**9S-2544**	9	SCREW-HEX HEAD (8-32X11.13-MM)	
	6	1	**7M-0327**	1	WASHER-THRUST (17.4X25.4X1.6-MM THK)	
	7	1	**3T-3418**	1	FRAME AS-END	
	7A	1	**3T-3424**	1	PLUG-FELT	
	7B	1	**3T-3423**	1	CUP	
	7C	1	**9G-4101**	1	BUSHING-END	
	8	1	**3T-9525**	1	PLATE AS-BRUSH	
	8A	1	**9F-5599**	12	LOCKWASHER	
	8B	1	**6T-0371**	1	INSULATOR	
	8C	1	**6T-0363**	6	HOLDER AS-BRUSH (STARTING MOTOR)	
					(EACH INCLUDES)	
	8D	1	**3T-9494**	1	SPRING (STARTING MOTOR BRUSH)	
	8E	1	**3T-4709**	3	PLATE	
	8F	1	**3T-4710**	3	PLATE	
	8G	1	**2L-6679**	3	PLATE-INSULATOR	
	8H	1	**7F-3525**	6	WASHER-BUSHING (0.207X0.39X0.09-IN THK)	
	8J	1	**6T-0372**	1	PLATE	
	8K	1	**5P-6298**	12	SCREW-MACHINE (10-32X0.5-IN)	
	9	1	**7F-3491**	2	WASHER (0.516X1X0.094-IN THK)	
	10	1	**3T-3422**	1	WIRE AS	
	11	1	**2J-8163**	2	SEAL-O-RING	
	12	1	**7X-3373**	1	BOLT (5/16-18X0.88-IN)	
B	13	1	**3T-3434**	6	PLUG	
	14	1	**5J-5314**	5	BOLT (5/16-18X1.5-IN)	
	15	1	**3L-3380**	1	BUSHING-TERMINAL	
	16	1	**036-9821**	1	WASHER	
	17	1	**4M-1828**	1	RETAINER-SPRING	
	18	1	**306-3998**	1	BOOT-RUBBER	
	19	1	**4M-1827**	1	RETAINER-SPRING	
	20	1	**9M-7609**	1	SPRING (SHIFT LEVER)	
	21	1	**8C-3089**	1	SEAL-O-RING	
	22	1	**4M-1853**	1	LEVER AS-SHIFT	
	23	1	**5M-3034**	1	LOCKNUT (5/16-24-THD)	
	24	1	**7L-2894**	4	GASKET	
	25	1	**4M-1831**	4	PLUG-LEVER HOUSING	
	26	1	**4M-1854**	1	SHAFT-LEVER	
	27	1	**1H-1023**	1	SEAL-O-RING	
	28	1	**2D-6392**	1	SEAL-O-RING	
	29	1	**7T-3974**	1	HOUSING AS-DRIVE	
	30	1	**6N-3826**	1	DRIVE AS-MOTOR	
	31	1	**2H-3429**	2	RING-RETAINING	
	32	1	**6V-1322**	4	BOLT (1/4-20X0.375-IN)	
	33	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	34	1	**6N-3279**	1	INSULATOR	
	35	1	**036-9823**	13	BOLT (1/4-28X1-IN)	
	36	1	**1M-9971**	1	SPACER (0.835X1.72X0.188-IN THK)	
	37	1	**1H-2629**	3	STRIP-INSULATION	
	38	1	**7M-0324**	1	COIL AS-FIELD	
	39	1	**3R-8797**	12	SCREW & WASHER AS (3/8-24X0.72-IN)	
	40	1	**7F-3488**	6	SHOE-POLE	

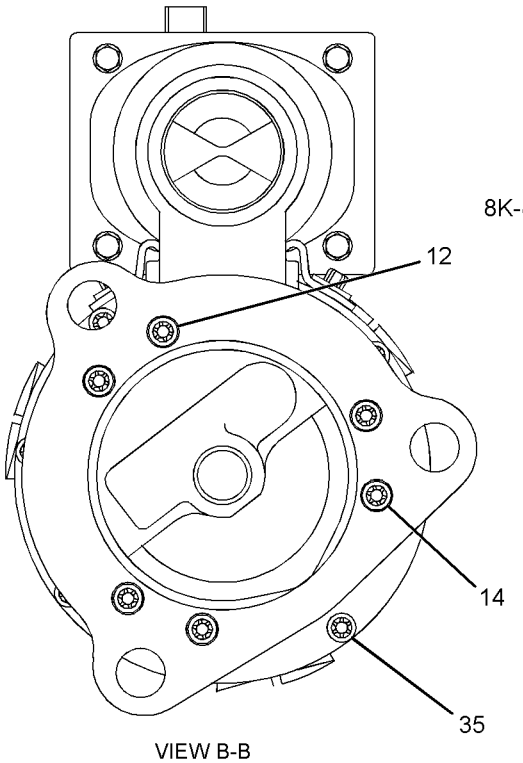
6V-0885 STARTING MOTOR GP-ELECTRIC *(contd.)* i03420640

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	41	1	**7M-8651**	1	ARMATURE AS	
	42	1	**7M-0325**	1	INSULATOR	
	43	1	**3T-9524**	6	BRUSH AS	
	44	1	**3N-3763**	1	KIT-TERMINAL (STARTING MOTOR)	
					(INCLUDES BUSHINGS AND WASHERS)	
	45	1	**125-6535**	1	COVER-STARTING MOTOR	
	46	1	**3R-8801**	1	CLAMP	
	47	1	**8F-1434**	2	LOCKWASHER	
	48	1	**6V-8188**	6	NUT (1/2-13-THD)	
	49	1	**7X-0562**	6	WASHER-HARD (13.5X19X0.8-MM THK)	
	50	1	**4B-2049**	6	NUT (10-32-THD)	
	51	1	**8T-0328**	10	WASHER-HARD (5.5X10X1-MM THK)	
	52	1	**3T-9494**	6	SPRING (STARTING MOTOR BRUSH)	
	53	1	**3E-7771**	1	HOUSING AS (STARTING MOTOR)	
	55	1	**3T-3424**	2	PLUG-FELT	
	56	1	**3T-3423**	2	CUP	
	57	1	**1M-9968**	1	BUSHING	
	58	1	**2F-6678**	1	SEAL-LIP TYPE	
	59	1	**4L-2729**	1	WASHER (0.844X1.9X0.188-IN THK)	
	60	1	**4M-1896**	1	BUSHING-TERMINAL	
	61	1	**045-4065**	4	SCREW-MACHINE (10-32X0.75-IN)	
	62	1	**125-6537**	1	INSULATOR	
	63	1	**7T-9123**	1	GASKET-PLATE	
	64	1	**125-6536**	1	TERMINAL AS	
C	65	1	**318-2082**	1	SOLENOID AS-STARTING MOTOR (24-VOLT)	

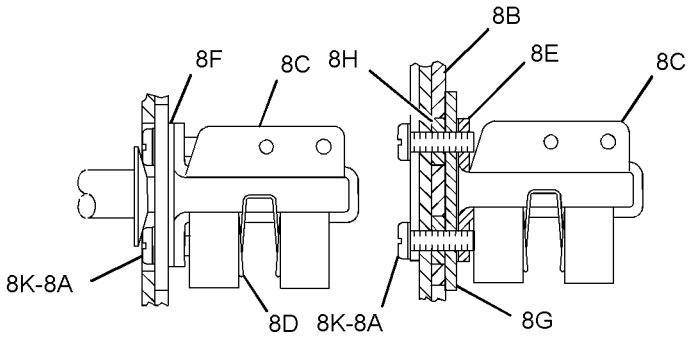
B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE

6V-0885 STARTING MOTOR GP-ELECTRIC *(contd.)* i03420640

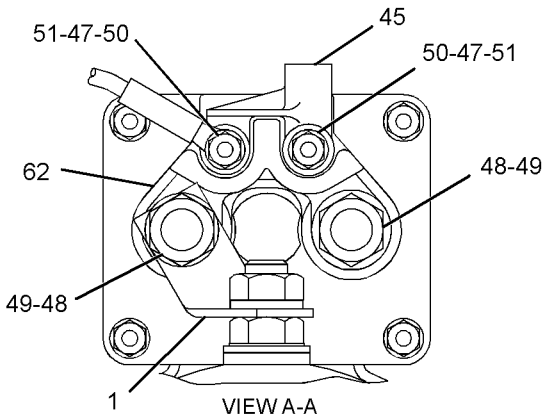




VIEW B-B



VIEW OF AREA C



VIEW A-A

GRAPHIC #1 **<END>** g01774693

110-5369 STARTING MOTOR GP-ELECTRIC

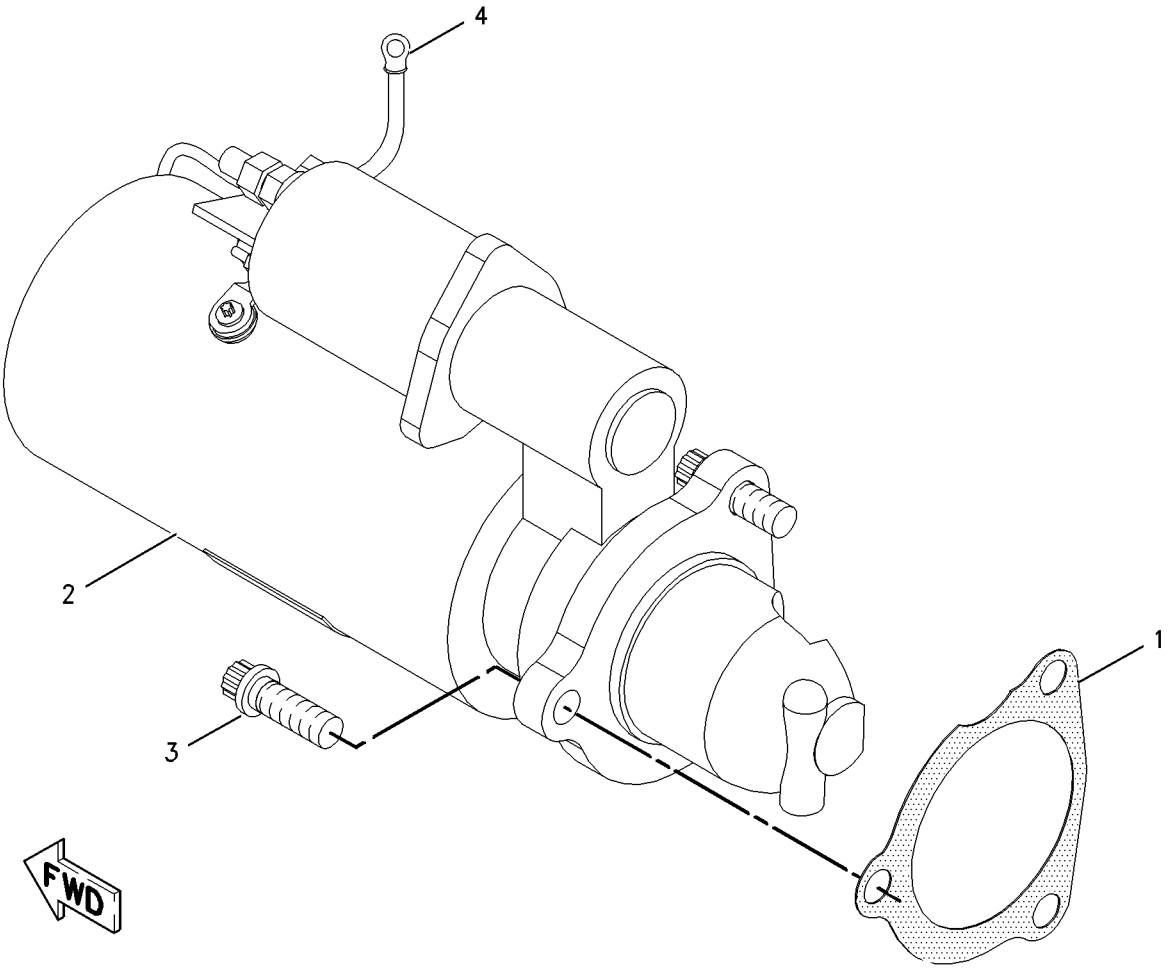
12-VOLT

AN ATTACHMENT

SMCS-1453 **i02509067**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4H-7869**	1	GASKET	
CYR	2	1	**207-1532**	1	STARTING MOTOR GP-ELECTRIC	938
	3	1	**8S-2332**	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	
	4	1	**5H-3633**	1	CABLE AS	
		1	**1M-4986**	1	TERMINAL-RING (0-GA, 1/2-IN SCREW)	
		1	**030-1707**	1	TERMINAL-RING (0-GA, 3/8-IN SCREW)	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00840498

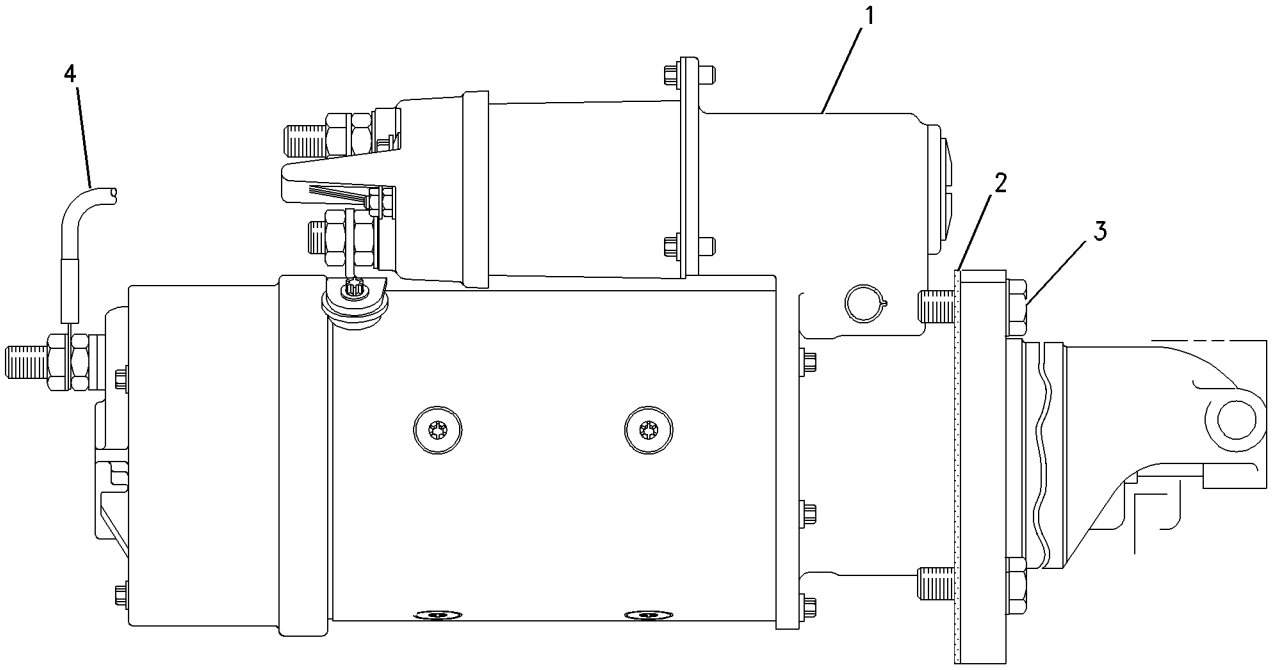
120-9099 STARTING MOTOR GP-ELECTRIC

24-VOLT. INSTALL ON LH SIDE OF ENGINE
AN ATTACHMENT

SMCS-1453 **i02509090**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*207-1564*	1	STARTING MOTOR GP-ELECTRIC (24-VOLT)	945
	2	1	**4N-1059**	1	GASKET	
	3	1	**8S-2332**	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	
	4	1	**9F-4337**	1	WIRE AS	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00824037

ELECTRICAL AND STARTING SYSTEM

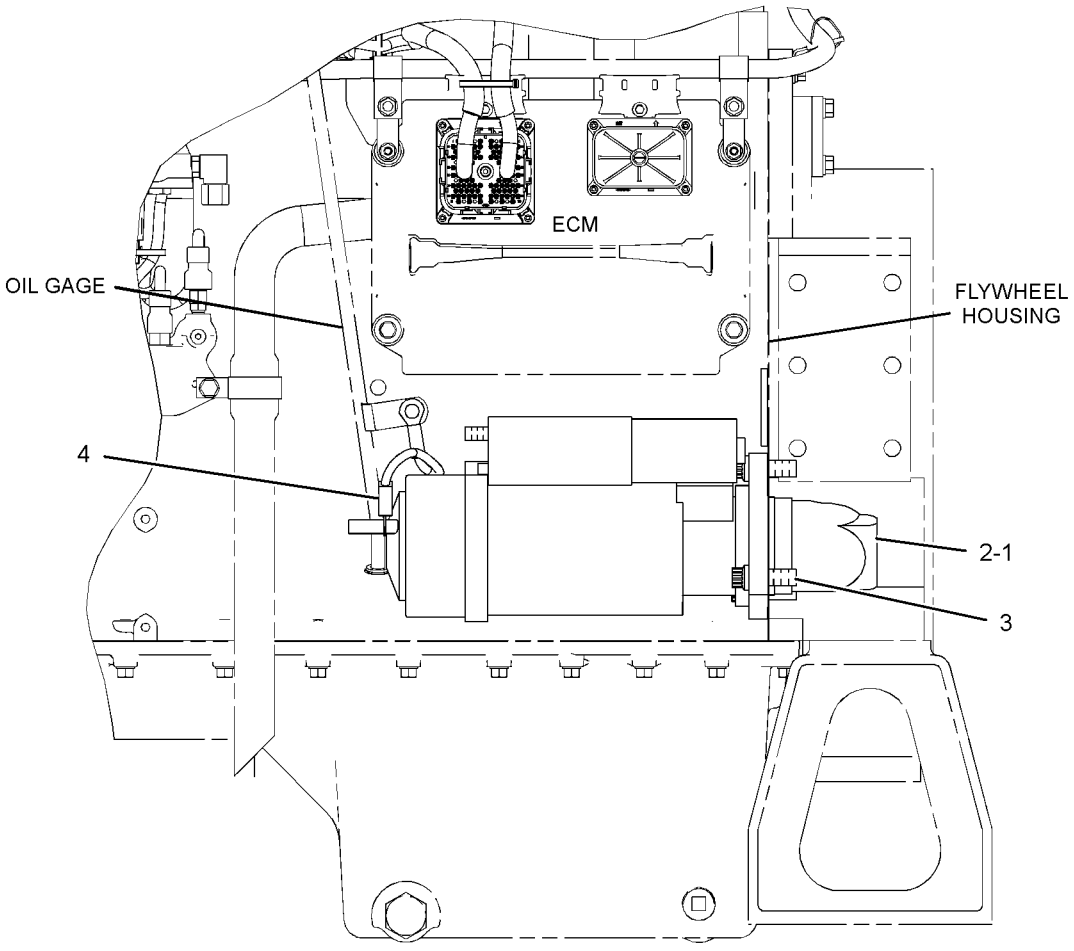
120-9100 STARTING MOTOR GP-ELECTRIC

24-VOLT. INSTALL ON RH SIDE OF ENGINE
AN ATTACHMENT

SMCS-1453 **i02404712**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4N-1059**	1	GASKET	
CYR	2	1	**237-1962**	1	STARTING MOTOR GP-ELECTRIC	947
	3	1	**8S-2332**	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	
	4	1	**9F-4337**	1	WIRE AS	

C-CHANGE FROM PREVIOUS TYPE
R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW

GRAPHIC #1

<END>

g01201497

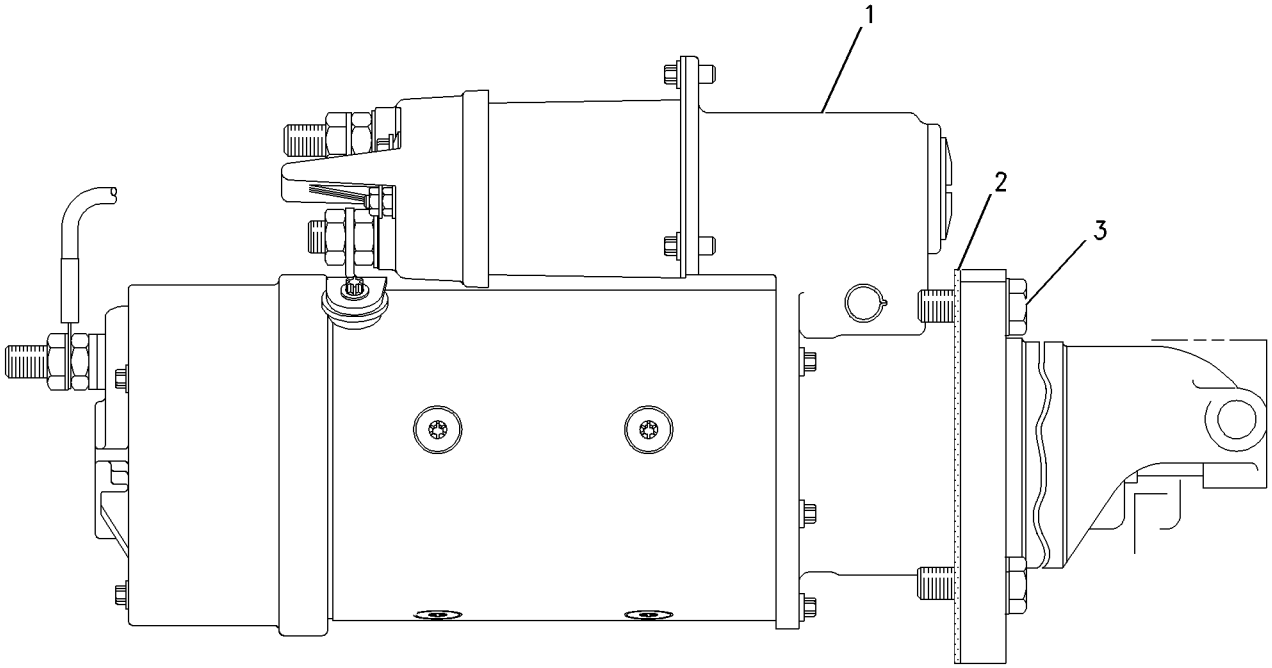
120-9101 STARTING MOTOR GP-ELECTRIC

24-VOLT. INSTALL ON LH SIDE OF ENGINE
AN ATTACHMENT

SMCS-1453 **i02333183**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
CY	1	1	*207-1549*	1	STARTING MOTOR GP-ELECTRIC	940
	2	1	**4H-7869**	1	GASKET	
	3	1	**176-2543**	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00732977

ELECTRICAL AND STARTING SYSTEM

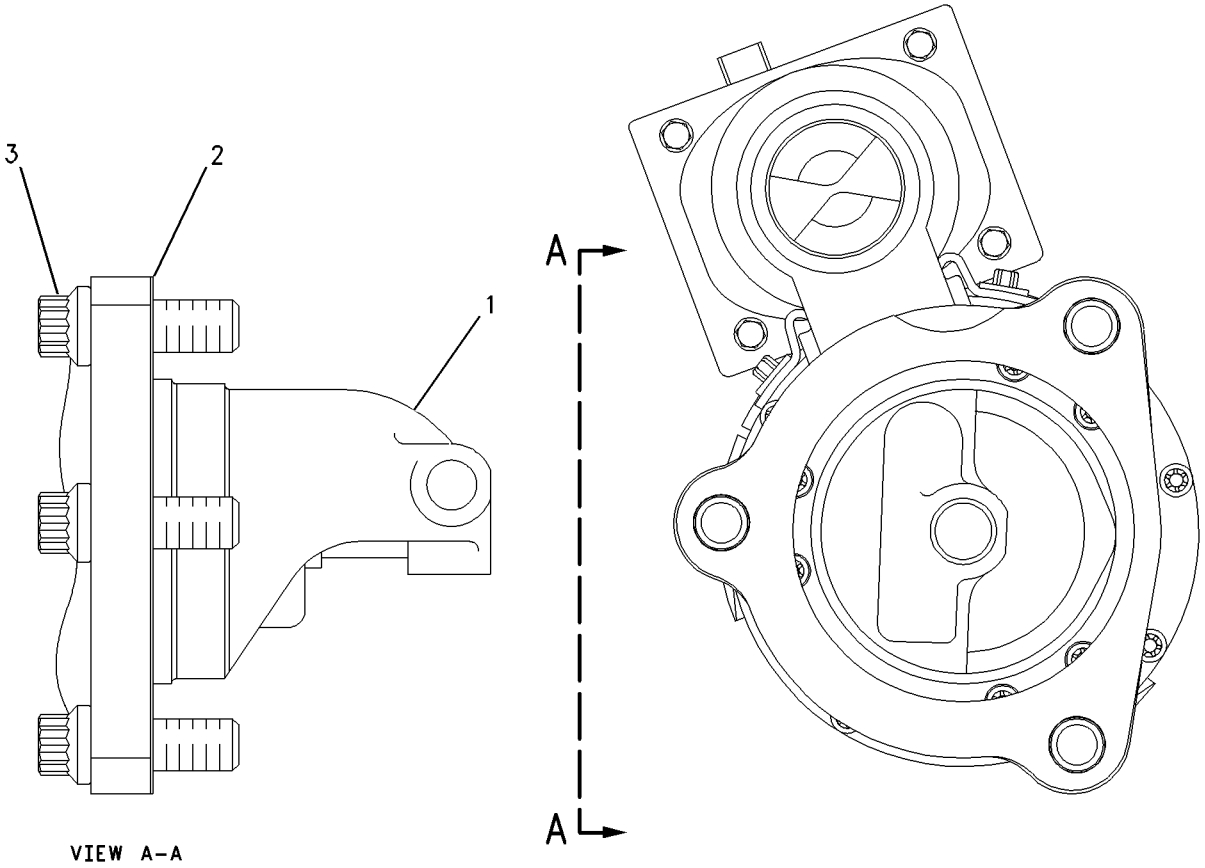
153-7290 STARTING MOTOR GP-ELECTRIC

12-VOLT

AN ATTACHMENT

SMCS-1453 **i02939542**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**150-8867**	1	STARTING MOTOR GP-ELECTRIC	
	2	1	**4H-7869**	1	GASKET	
	3	1	**8S-2332**	3	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	



VIEW A–A

GRAPHIC #1 **<END>** g00901125

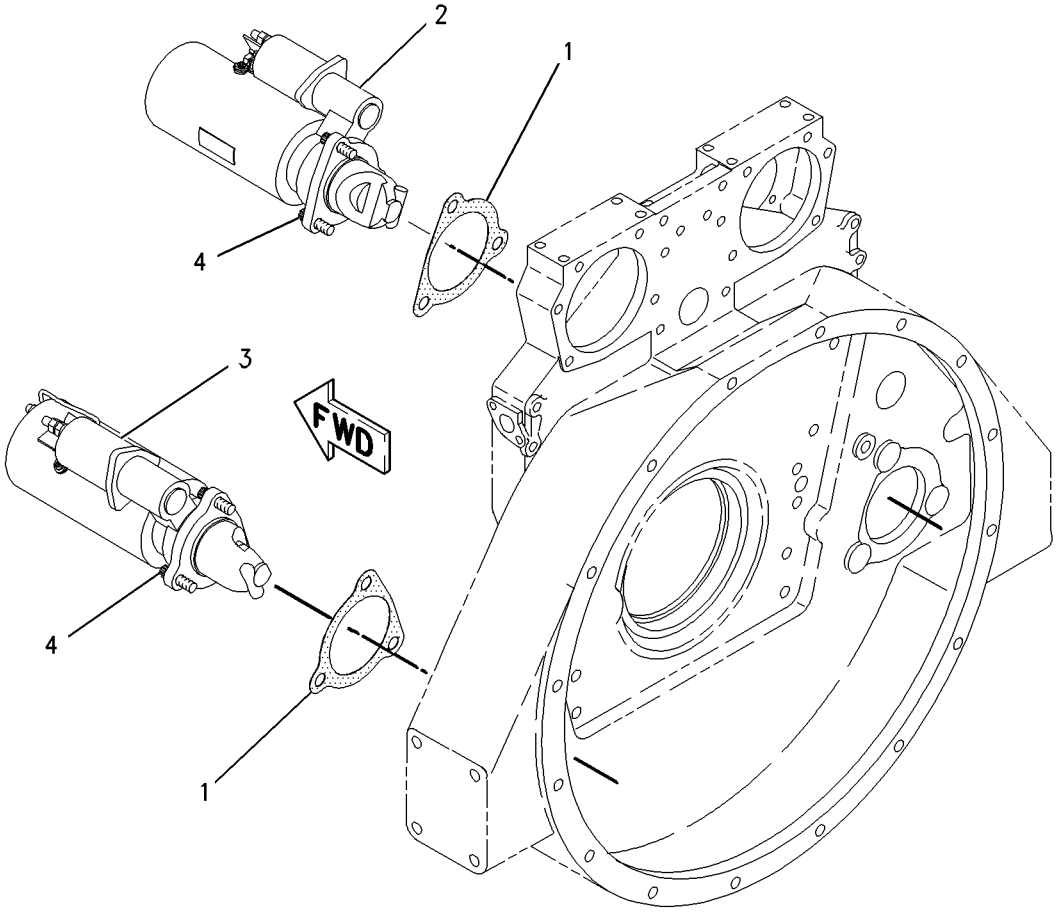
177-1655 STARTING MOTOR GP-ELECTRIC

DUAL, 24-VOLT
FOR USE WITH SINGLE TURBO ENGINES
AN ATTACHMENT

SMCS-1453 **i02364517**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4H-7869**	2	GASKET	
CY	2	1	*207-1549*	1	STARTING MOTOR GP-ELECTRIC	940
CY	3	1	*207-1564*	1	STARTING MOTOR GP-ELECTRIC (24-VOLT)	945
	4	1	**176-2543**	6	BOLT-12 POINT HEAD (5/8-11X1.75-IN)	

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00836752

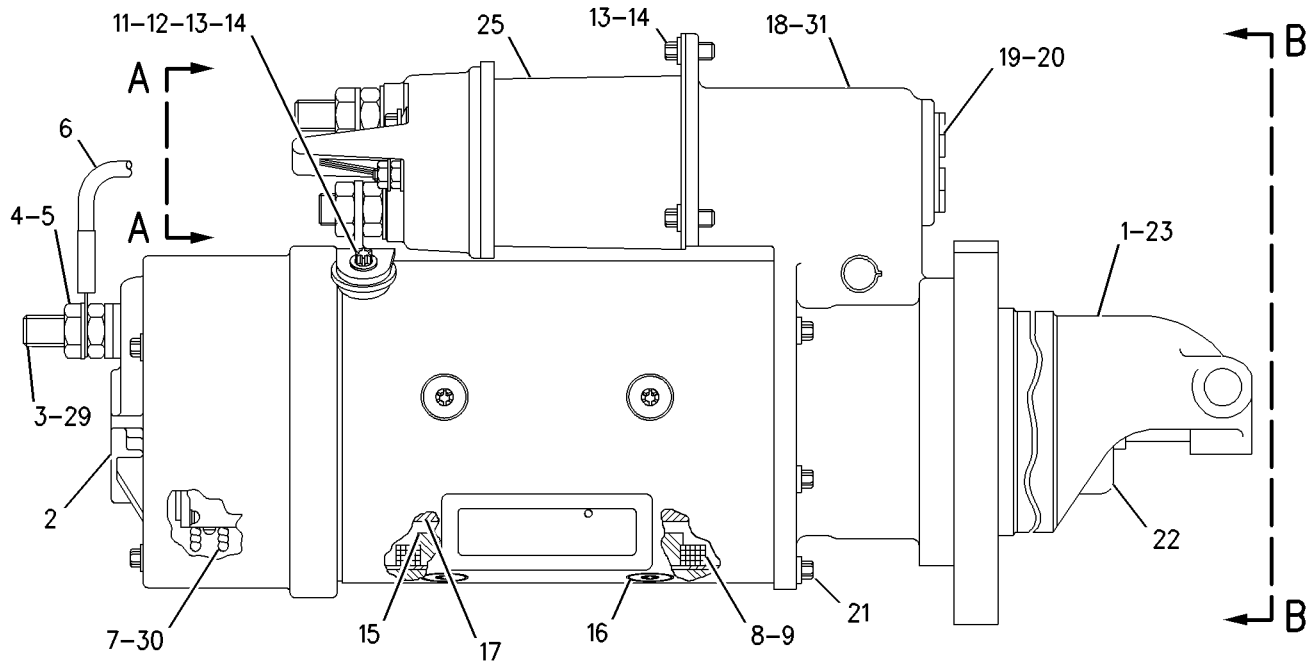
ELECTRICAL AND STARTING SYSTEM

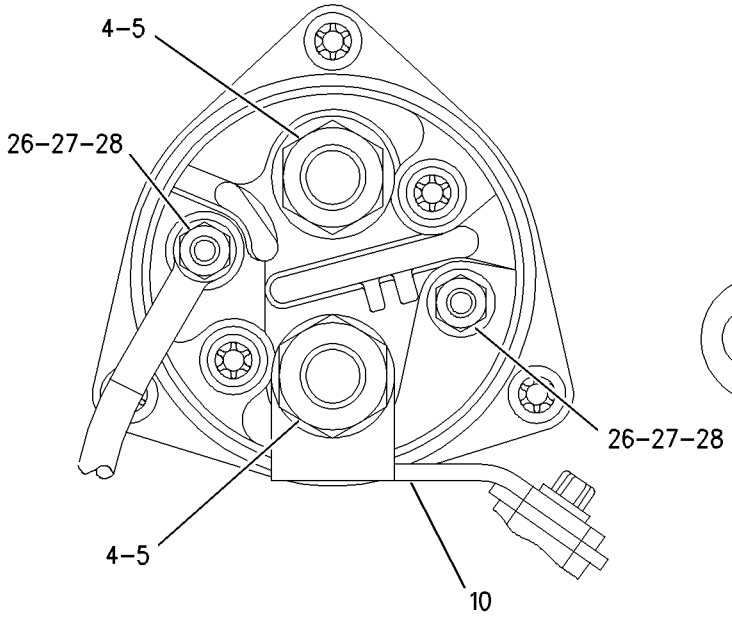
207-1532 STARTING MOTOR GP-ELECTRIC*R

12-VOLT. SEMI-SOLID LINK 42 MT
PART OF 110-5369 STARTING MOTOR GP-ELECTRIC
AN ATTACHMENT

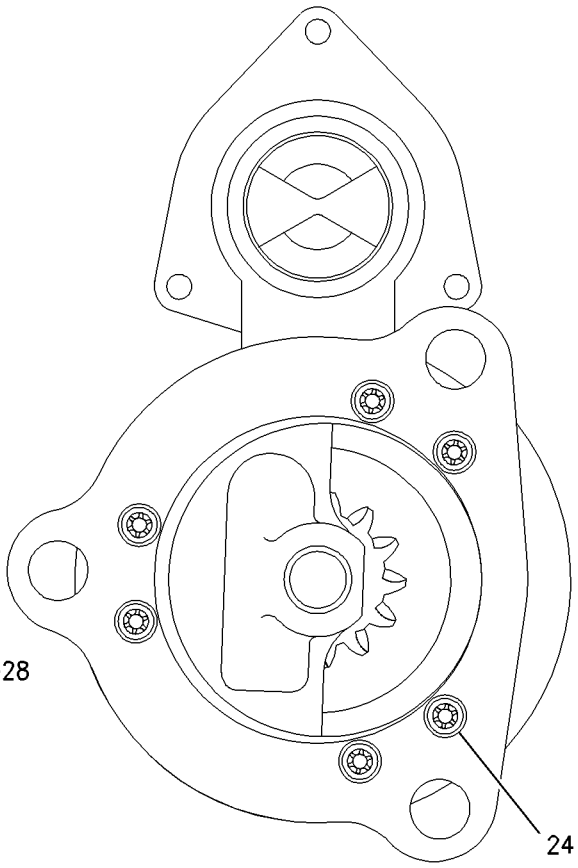
SMCS-1453 **i03374005**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3T-3434**	6	PLUG	
	2	1	**7T-3279**	1	HOUSING AS	
	3	1	**8T-8566**	1	TERMINAL AS	
	4	1	**6V-8188**	4	NUT (1/2-13-THD)	
	5	1	**7X-0562**	4	WASHER-HARD (13.5X19X0.8-MM THK)	
	6	1	**3T-3422**	1	WIRE AS	
	7	1	**8T-8570**	1	HOLDER AS-BRUSH (STARTING MOTOR)	
	8	1	**8T-8568**	1	COIL AS-FIELD	
	9	1	**7T-3454**	1	INSULATOR	
	10	1	**7T-3271**	1	CONNECTOR	
	11	1	**7T-3451**	1	KIT-INSULATOR (TERMINAL)	
	12	1	**8T-8569**	1	INSULATOR-TERMINAL	
	13	1	**5S-7349**	4	BOLT (1/4-20X0.5-IN)	
	14	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	15	1	**8H-1141**	4	SHOE-POLE	
	16	1	**3F-0379**	8	SCREW-POLE SHOE (3/8-24-THD)	
	17	1	**7T-3275**	1	ARMATURE AS (12-VOLT)	
	18	1	**3E-7775**	1	HOUSING AS	
	19	1	**4M-1831**	1	PLUG-LEVER HOUSING	
	20	1	**7L-2894**	1	GASKET	
	21	1	**036-9823**	5	BOLT (1/4-28X1-IN)	
	22	1	**6N-3826**	1	DRIVE AS-MOTOR	
	23	1	**110-5035**	1	HOUSING AS	
	24	1	**7X-3373**	6	BOLT (5/16-18X0.88-IN)	
	25	1	**206-8789**	1	KIT-SOLENOID (12-VOLT) (STARTING MOTOR)	
	26	1	**6V-8378**	2	NUT (10-32-THD)	
	27	1	**8F-1434**	2	LOCKWASHER	
	28	1	**8T-0328**	2	WASHER-HARD (5.5X10X1-MM THK)	
	29	1	**8T-9884**	1	KIT-INSULATOR (STARTING MOTOR)	
					(INCLUDES INSULATORS)	
	30	1	**8T-9885**	1	KIT-BRUSH (STARTING MOTOR)	
					(INCLUDES BRUSHES, SPRINGS, SCREWS, SEAL & SCREW AS)	
	31	1	**7T-3268**	1	KIT-LEVER (STARTING MOTOR)	
					(INCLUDES LEVER AS, SEALS, NUT, GASKET & RETAINER)	
	32	1	**7T-3267**	1	KIT-BUSHING (STARTING MOTOR)	
					(INCLUDES BUSHINGS, WICKS, CUPS, SEALS, GASKET, WASHERS, SCREW AS & NUT)	





VIEW A–A



VIEW B–B

GRAPHIC #1 **<END>** g00840525

207-1549 STARTING MOTOR GP-ELECTRIC

24-VOLT. 42MT SEMI-SOLID LINK
PART OF 120-9101, 177-1655 STARTING MOTOR GP-ELECTRIC
FIELD REPLACEMENT ORDER 207-1556—PAGE 943
AN ATTACHMENT

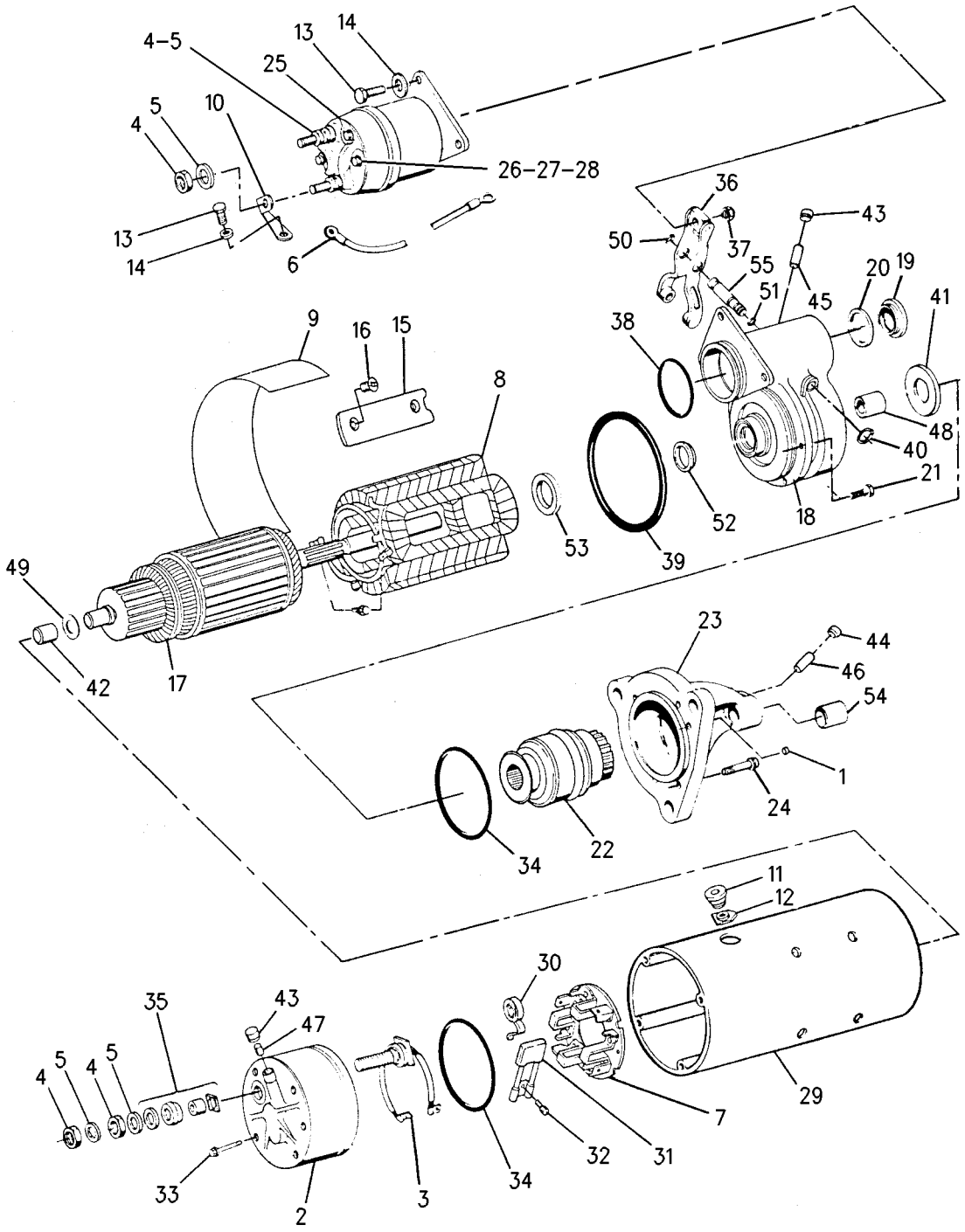
SMCS-1453 **i03622936**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3T-3434**	6	PLUG	
	2	1	**7T-3279**	1	HOUSING AS	
	3	1	**8T-8566**	1	TERMINAL AS	
	4	1	**6V-8188**	4	NUT (1/2-13-THD)	
	5	1	**7X-0562**	4	WASHER-HARD (13.5X19X0.8-MM THK)	
	6	1	**3T-3422**	1	WIRE AS	
	7	1	**7T-3278**	1	HOLDER AS-BRUSH (STARTING MOTOR)	
	8	1	**7T-3277**	1	COIL AS-FIELD	
	9	1	**7T-3454**	1	INSULATOR	
	10	1	**7T-3271**	1	CONNECTOR	
	11	1	**7T-3451**	1	KIT-INSULATOR (TERMINAL)	
	12	1	**8T-8569**	1	INSULATOR-TERMINAL	
	13	1	**5S-7349**	4	BOLT (1/4-20X0.5-IN)	
	14	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	15	1	**8H-1141**	4	SHOE-POLE	
	16	1	**3F-0379**	8	SCREW-POLE SHOE (3/8-24-THD)	
	17	1	**7T-3276**	1	ARMATURE AS (24-VOLT)	
	18	1	**3E-7775**	1	HOUSING AS	
	19	1	**4M-1831**	1	PLUG-LEVER HOUSING	
	20	1	**7L-2894**	1	GASKET	
	21	1	**036-9823**	5	BOLT (1/4-28X1-IN)	
	22	1	**6N-3826**	1	DRIVE AS-MOTOR	
	23	1	**7T-3974**	1	HOUSING AS-DRIVE	
	24	1	**7X-3373**	6	BOLT (5/16-18X0.88-IN)	
	25	1	**193-8570**	1	SOLENOID AS-STARTING MOTOR (24-VOLT)	
	26	1	**6V-8378**	2	NUT (10-32-THD)	
	27	1	**8F-1434**	2	LOCKWASHER	
	28	1	**8T-0328**	2	WASHER-HARD (5.5X10X1-MM THK)	
Z	29	1		1	HOUSING	
JZ	30	1		4	SPRING	
JZ	31	1		4	BRUSH	
JZ	32	1		4	SCREW	
JPZ	33	1		6	SCREW AS	
JPZ	34	1		1	SEAL-O-RING	
LZ	35	1		3	INSULATOR	
NZ	36	1		1	LEVER AS	
NPZ	37	1		1	NUT	
NPZ	38	1		1	SEAL-O-RING	
PZ	39	1		1	SEAL-O-RING	
NZ	40	1		1	RETAINER	
PZ	41	1		1	GASKET	
PZ	42	1		1	BUSHING	
PZ	43	1		2	PLUG-CUP	
PZ	44	1		1	PLUG-CUP	
PZ	45	1		1	PLUG	
PZ	46	1		1	PLUG	
PZ	47	1		1	PLUG	
PZ	48	1		1	BUSHING	
PZ	49	1		1	WASHER	
NZ	50	1		1	SEAL-O-RING	
NZ	51	1		1	SEAL-O-RING	
PZ	52	1		1	RETAINER	
PZ	53	1		1	SPACER	
PZ	54	1		1	BUSHING	

207-1549 **STARTING MOTOR GP-ELECTRIC** *(contd.)* **i03622936**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
LZ	55	1		1	BUSHING	
					AVAILABLE REPAIR KIT(S):	
J			**8C-3655**	1	KIT-BRUSH (STARTING MOTOR)	
					(INCLUDES SEAL, BRUSHES, SPRINGS, AND SCREWS)	
P			**7T-3267**	1	KIT-BUSHING (STARTING MOTOR)	
					(INCLUDES BUSHINGS, SEALS, GASKET, CUP, WICKS, AND SPACER)	
N			**7T-3268**	1	KIT-LEVER (STARTING MOTOR)	
					(INCLUDES LEVER ASSEMBLIES, SEALS, GASKET, NUT, AND RETAINER)	
L			**8T-9884**	1	KIT-INSULATOR (STARTING MOTOR)	
					(INCLUDES INSULATORS AND BUSHING)	

J-KIT MARKED J INCLUDES PARTS MARKED J
L-KIT MARKED L INCLUDES PARTS MARKED L
N-KITS MARKED N INCLUDES PARTS MARKED N
P-KITS MARKED P INCLUDES PARTS MARKED P
Z-NOT SERVICED SEPARATELY



GRAPHIC #1 **<END>** g00836417

ELECTRICAL AND STARTING SYSTEM

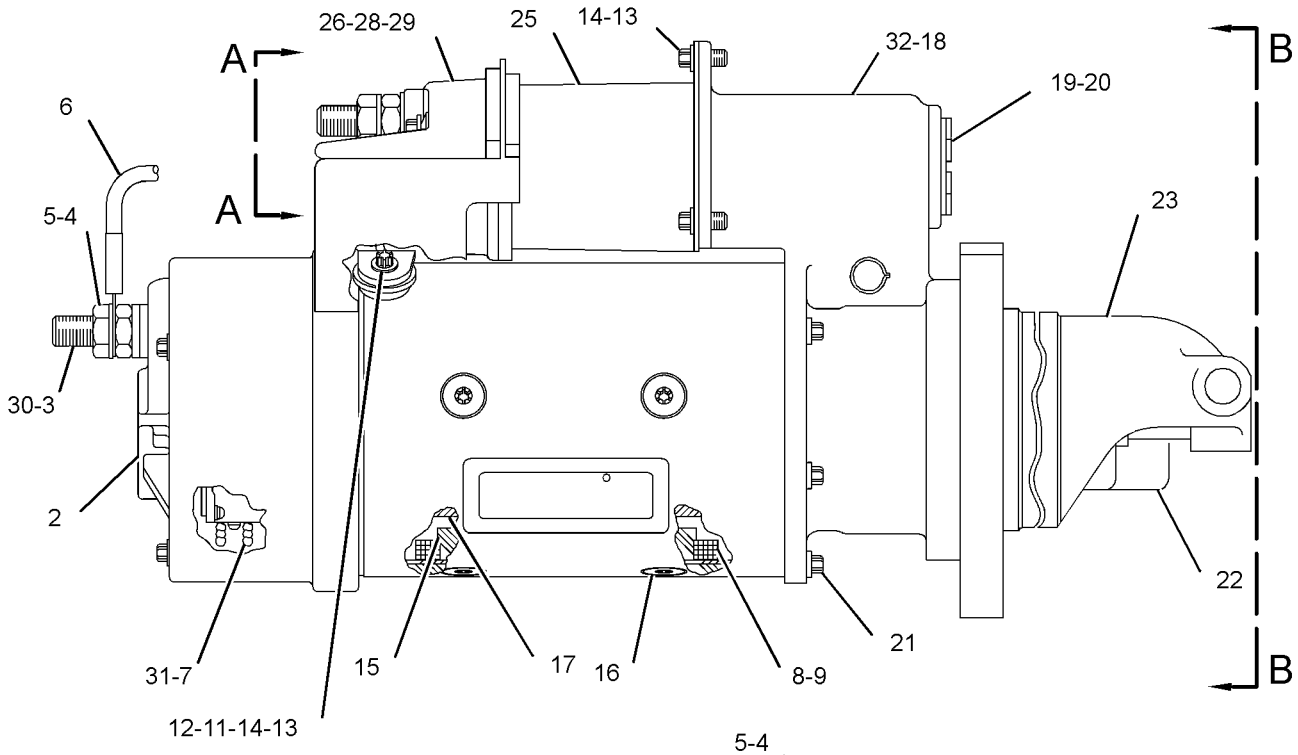
207-1556 STARTING MOTOR GP-ELECTRIC*R

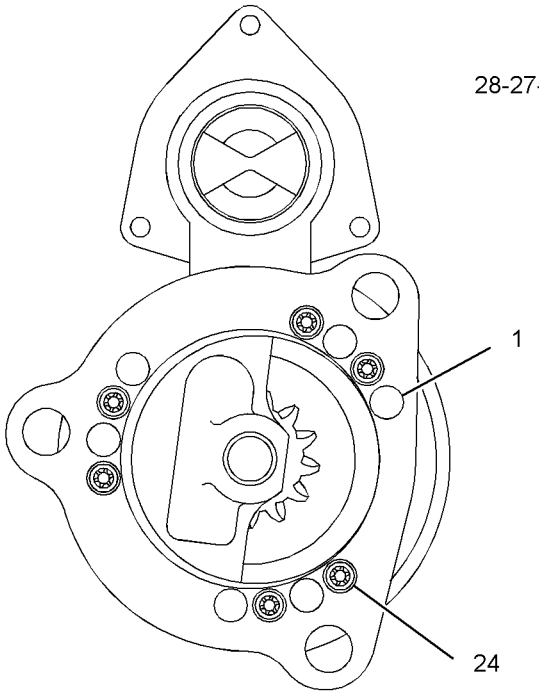
24-VOLT

OPTIONAL FIELD REPLACEMENT ORDER 237-1962—PAGE 947. FIELD REPLACEMENT FOR 207-1564—PAGE 945: FOR 207-1549—PAGE 940

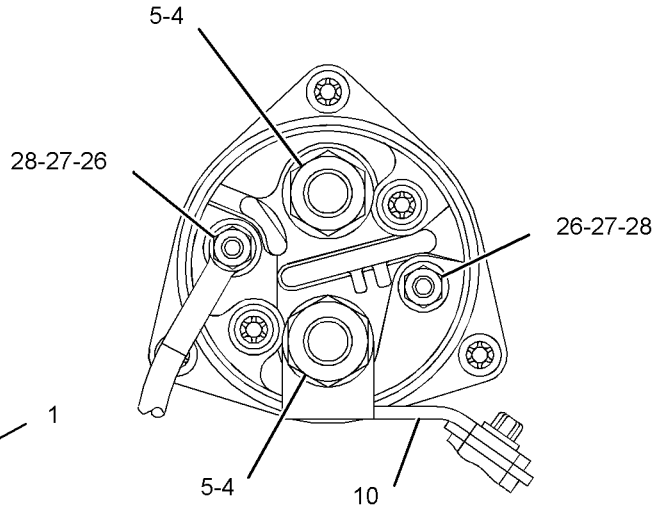
SMCS-1453 **i03629299**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3T-3434**	6	PLUG	
	2	1	**7T-3279**	1	HOUSING AS	
	3	1	**8T-8566**	1	TERMINAL AS	
	4	1	**6V-8188**	4	NUT (1/2-13-THD)	
	5	1	**7X-0562**	4	WASHER-HARD (13.5X19X0.8-MM THK)	
	6	1	**3T-3422**	1	WIRE AS	
	7	1	**7T-3278**	1	HOLDER AS-BRUSH	
	8	1	**7T-3277**	1	COIL AS-FIELD	
	9	1	**7T-3454**	1	INSULATOR	
	10	1	**283-1107**	1	KIT-CONNECTOR (STARTING MOTOR)	
					(INCLUDES CONNECTORS, BOLT & TERMINAL-STARTER)	
	11	1	**7T-3451**	1	KIT-INSULATOR (TERMINAL)	
					(INCLUDES INSULATORS & GROMMET)	
	12	1	**8T-8569**	1	INSULATOR-TERMINAL	
	13	1	**5S-7349**	4	BOLT (1/4-20X0.5-IN)	
	14	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	15	1	**8H-1141**	4	SHOE-POLE	
	16	1	**3R-8797**	8	SCREW & WASHER AS (3/8-24X0.72-IN)	
	17	1	**7T-3276**	1	ARMATURE AS (24-VOLT)	
	18	1	**3E-7775**	1	HOUSING AS	
	19	1	**4M-1831**	1	PLUG-LEVER HOUSING	
	20	1	**7L-2894**	1	GASKET	
	21	1	**0S-1597**	5	BOLT (1/4-28X1-IN)	
	22	1	**6N-3826**	1	DRIVE AS-MOTOR	
	23	1	**7T-3974**	1	HOUSING AS-DRIVE	
	24	1	**7X-3373**	6	BOLT (5/16-18X0.88-IN)	
	25	1	**250-8279**	1	KIT-SOLENOID (24-VOLT)	
					(INCLUDES SOLENOID AS, BOLT, NUTS, COVER & CONNECTORS)	
	26	1	**6V-8378**	3	NUT (10-32-THD)	
	27	1	**8F-1434**	2	LOCKWASHER	
	28	1	**8T-0328**	3	WASHER-HARD (5.5X10X1-MM THK)	
	29	1	**9X-4824**	1	COVER-STARTING MOTOR	
	30	1	**8T-9884**	1	KIT-INSULATOR (STARTING MOTOR)	
					(INCLUDES INSULATORS & BUSHING)	
	31	1	**8C-3655**	1	KIT-BRUSH (STARTING MOTOR)	
					(INCLUDES BRUSHES, SPRINGS, SCREWS, SCREW ASSEMBLIES & SEAL)	
	32	1	**7T-3268**	1	KIT-LEVER (STARTING MOTOR)	
					(INCLUDES LEVER ASSEMBLIES, SEAL, NUT, GASKET & RETAINER)	
					AVAILABLE REPAIR KIT(S):	
			7T-3267	1	KIT-BUSHING (STARTING MOTOR)	
					(INCLUDES BUSHINGS, WICKS, CUPS, SEALS, GASKET, SCREW AS, WASHERS, SPACER & NUT)	





VIEW B-B



VIEW A-A

GRAPHIC #1 **<END>** g01478692

207-1564 STARTING MOTOR GP-ELECTRIC

24-VOLT

PART OF 120-9099, 177-1655 STARTING MOTOR GP-ELECTRIC

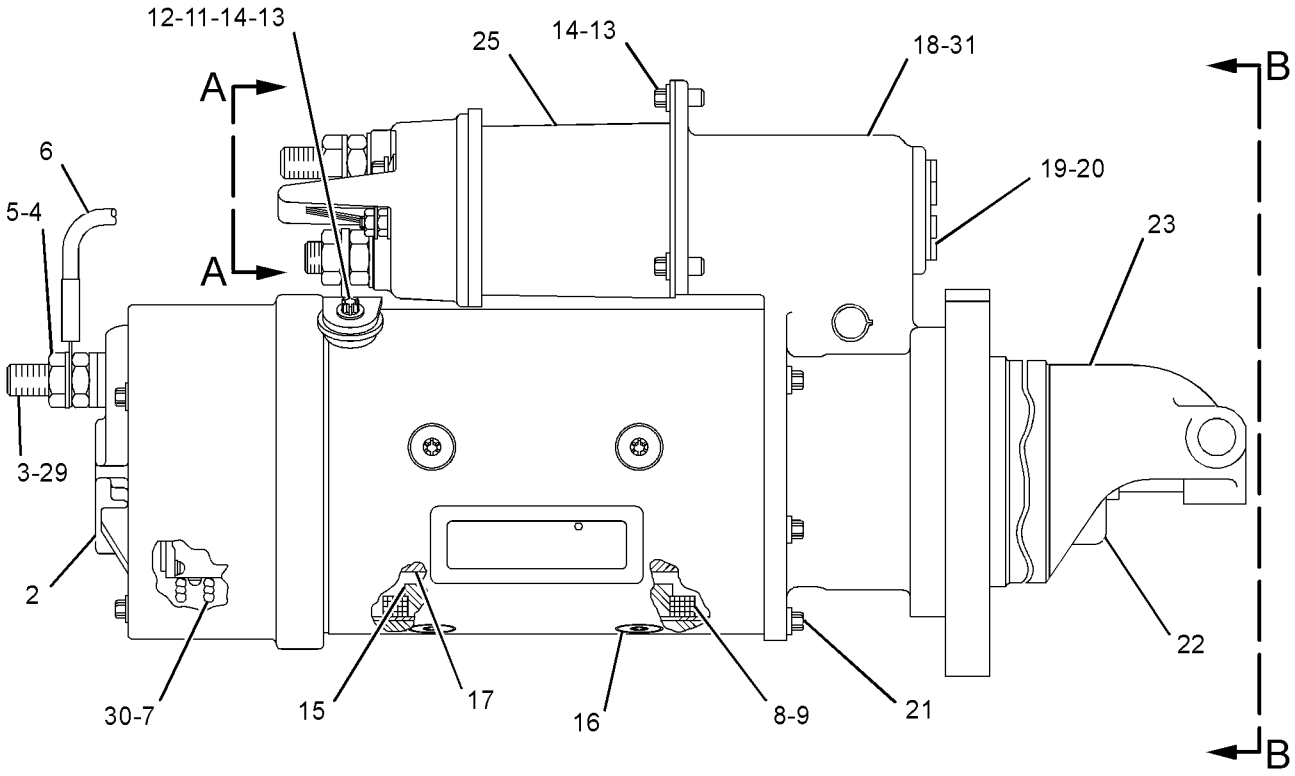
FIELD REPLACEMENT ORDER 207-1556—PAGE 943

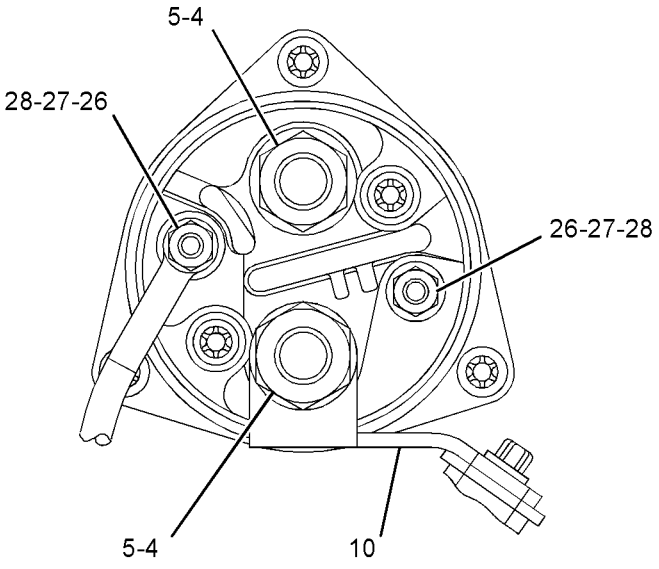
AN ATTACHMENT

SMCS-1453 **i03639535**

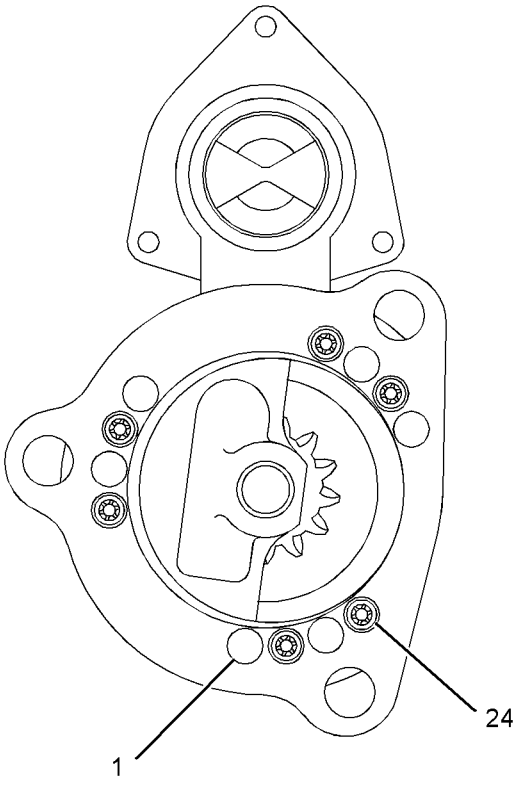
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3T-3434**	6	PLUG	
	2	1	**7T-3279**	1	HOUSING AS (STARTING MOTOR)	
	3	1	**8T-8566**	1	TERMINAL AS	
	4	1	**6V-8188**	4	NUT (1/2-13-THD)	
	5	1	**7X-0562**	4	WASHER-HARD (13.5X19X0.8-MM THK)	
	6	1	**3T-3422**	1	WIRE AS	
	7	1	**7T-3278**	1	HOLDER AS-BRUSH (STARTING MOTOR)	
	8	1	**7T-3277**	1	COIL AS-FIELD	
	9	1	**7T-3454**	1	INSULATOR	
	10	1	**283-1107**	1	KIT-CONNECTOR (STARTING MOTOR)	
		1	**3E-7853**	1	TERMINAL	
		1	**5S-7349**	1	BOLT (1/4-20X0.5-IN)	
		1	**278-0592**	1	CONNECTOR	
	11	1	**7T-3451**	1	KIT-INSULATOR (TERMINAL)	
	12	1	**8T-8569**	1	INSULATOR-TERMINAL	
	13	1	**5S-7349**	4	BOLT (1/4-20X0.5-IN)	
	14	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	15	1	**8H-1141**	4	SHOE-POLE	
	16	1	**3R-8797**	8	SCREW & WASHER AS (3/8-24X0.72-IN)	
	17	1	**7T-3276**	1	ARMATURE AS (24-VOLT)	
	18	1	**7T-3973**	1	HOUSING AS-LEVER	
	19	1	**4M-1831**	1	PLUG-LEVER HOUSING	
	20	1	**7L-2894**	1	GASKET	
	21	1	**036-9823**	5	BOLT (1/4-28X1-IN)	
	22	1	**6N-3826**	1	DRIVE AS-MOTOR	
	23	1	**7T-3974**	1	HOUSING AS-DRIVE	
	24	1	**7X-3373**	6	BOLT (5/16-18X0.88-IN)	
	25	1	**250-8279**	1	KIT-SOLENOID (24-VOLT)	
	26	1	**6V-8378**	2	NUT (10-32-THD)	
	27	1	**8F-1434**	2	LOCKWASHER	
	28	1	**8T-0328**	2	WASHER-HARD (5.5X10X1-MM THK)	
	29	1	**8T-9884**	1	KIT-INSULATOR (STARTING MOTOR)	
					(INCLUDES INSULATORS & BUSHING)	
	30	1	**8C-3655**	1	KIT-BRUSH (STARTING MOTOR)	
					(INCLUDES SEAL, BRUSHES, SPRINGS, SCREWS & SCREW ASSEMBLIES)	
	31	1	**7T-3268**	1	KIT-LEVER (STARTING MOTOR)	
					(INCLUDES NUT, GASKET, RETAINER, SEALS & LEVER ASSEMBLIES)	
					AVAILABLE REPAIR KIT(S):	
			7T-3267	1	KIT-BUSHING (STARTING MOTOR)	
					(INCLUDES BUSHINGS, WICKS, CUP, SEALS, GASKET, SCREWS, WASHERS & NUT)	

207-1564 **STARTING MOTOR GP-ELECTRIC** *(contd.)* **i03639535**





VIEW A-A



VIEW B-B

GRAPHIC #1 **<END>** g01470346

ELECTRICAL AND STARTING SYSTEM

237-1962 STARTING MOTOR GP-ELECTRIC*R

24-VOLT

PART OF 120-9100 STARTING MOTOR GP-ELECTRIC

FIELD REPLACEMENT FOR 6V-0885—PAGE 929: FOR 207-1556—PAGE 943

AN ATTACHMENT

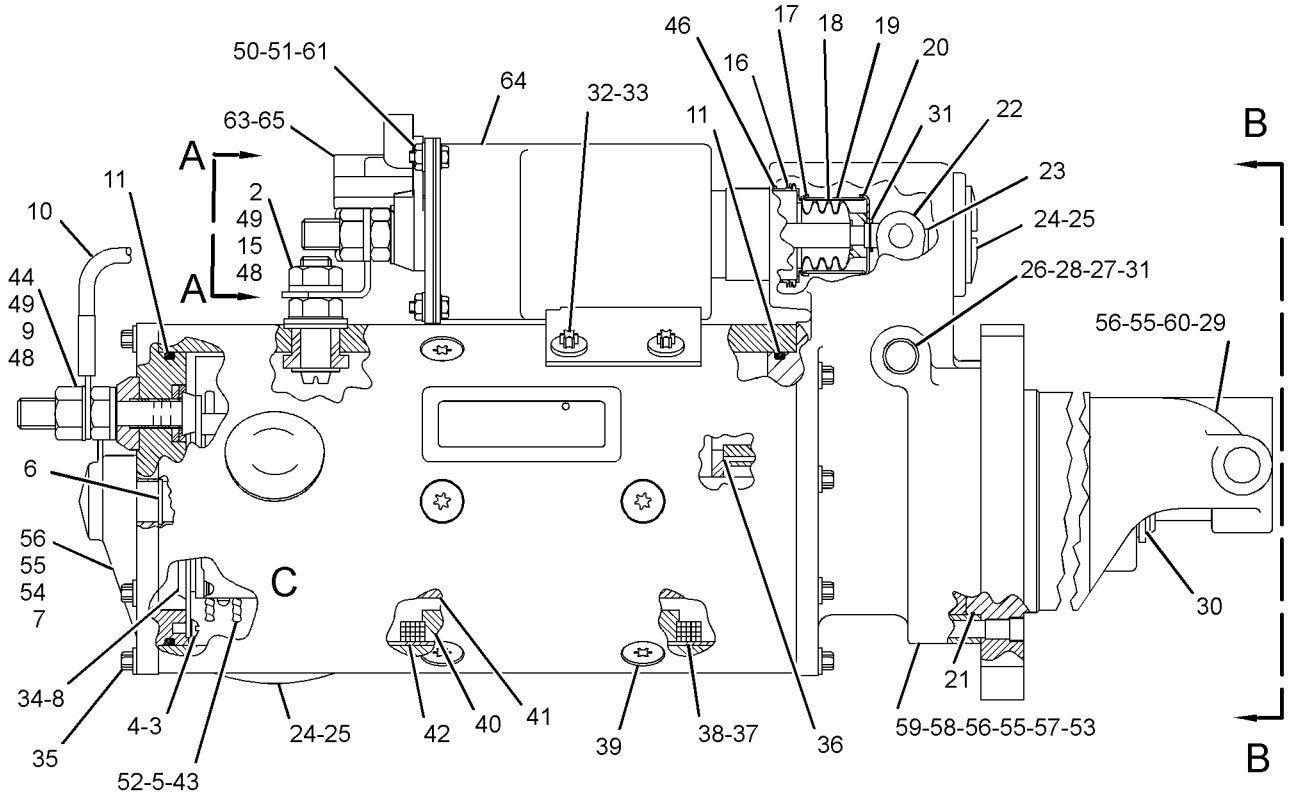
SMCS-1453 **i03630206**

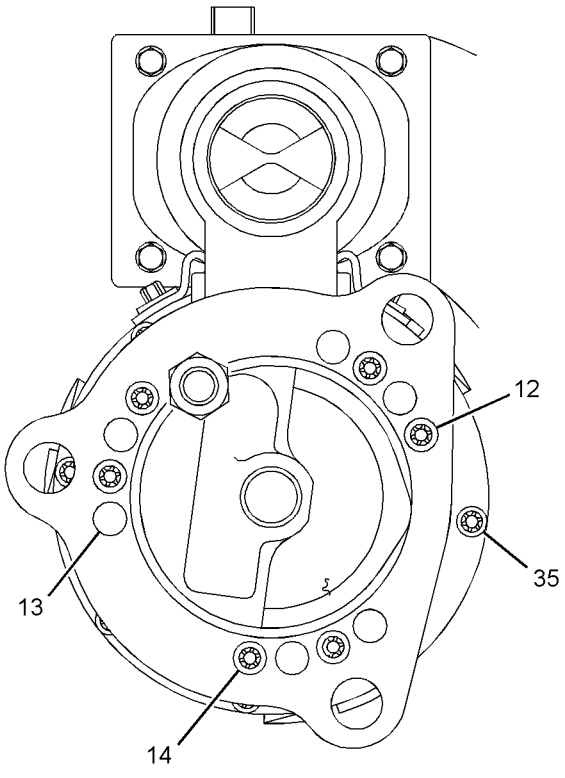
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7M-0326**	1	CONNECTOR	
	2	1	**9H-3757**	2	WASHER (0.516X1X0.094-IN THK)	
	3	1	**1S-7446**	3	SCREW-MACHINE (8-32X0.437-IN)	
	4	1	**8C-9660**	3	WASHER (4.6X7.9X0.8-MM THK)	
	5	1	**9S-2544**	9	SCREW-HEX HEAD (8-32X11.13-MM)	
	6	1	**7M-0327**	1	WASHER-THRUST (17.4X25.4X1.6-MM THK)	
	7	1	**3T-3418**	1	FRAME AS-END	
		1	**3T-3423**	1	CUP	
		1	**3T-3424**	1	PLUG-FELT	
		1	**9G-4101**	1	BUSHING-END	
	8	1	**3T-9525**	1	PLATE AS-BRUSH	
	8A	1	**6T-0371**	1	INSULATOR	
	8B	1	**5P-6298**	12	SCREW-MACHINE (10-32X0.5-IN)	
		1	**9F-5599**	12	LOCKWASHER	
	8C	1	**7F-3525**	6	WASHER-BUSHING (0.207X0.39X0.09-IN THK)	
	8D	1	**6T-0372**	1	PLATE	
	8E	1	**3T-4709**	3	PLATE	
	8F	1	**2L-6679**	3	PLATE-INSULATOR	
	8G	1	**3T-4710**	3	PLATE	
	8H	1	**6T-0363**	6	HOLDER AS-BRUSH (STARTING MOTOR)	
					(EACH INCLUDES)	
	8J	1	**3T-9494**	1	SPRING	
	9	1	**1T-0808**	2	WASHER (0.516X0.812X0.09-IN THK)	
	10	1	**3T-3422**	1	WIRE AS (STARTING MOTOR)	
	11	1	**2J-8163**	2	SEAL-O-RING	
	12	1	**7X-3373**	1	BOLT (5/16-18X0.88-IN)	
	13	1	**3T-3434**	6	PLUG	
	14	1	**5J-5314**	5	BOLT (5/16-18X1.5-IN)	
	15	1	**3L-3380**	1	BUSHING-TERMINAL	
	16	1	**036-9821**	1	WASHER	
	17	1	**4M-1828**	1	RETAINER-SPRING	
	18	1	**306-3998**	1	BOOT-RUBBER	
	19	1	**9M-7609**	1	SPRING (SHIFT LEVER)	
	20	1	**4M-1827**	1	RETAINER-SPRING	
	21	1	**8C-3089**	1	SEAL-O-RING	
	22	1	**4M-1853**	1	LEVER AS-SHIFT	
	23	1	**5M-3034**	1	LOCKNUT (5/16-24-THD)	
	24	1	**7L-2894**	4	GASKET	
	25	1	**4M-1831**	4	PLUG-LEVER HOUSING	
	26	1	**4M-1854**	1	SHAFT-LEVER	
	27	1	**1H-1023**	1	SEAL-O-RING	
	28	1	**2D-6392**	1	SEAL-O-RING	
	29	1	**7T-3974**	1	HOUSING AS-DRIVE	
	30	1	**6N-3826**	1	DRIVE AS-MOTOR	
	31	1	**2H-3429**	2	RING-RETAINING	
	32	1	**6V-1322**	4	BOLT (1/4-20X0.375-IN)	
	33	1	**8T-4205**	4	WASHER-HARD (7.2X14.5X2-MM THK)	
	34	1	**6N-3279**	1	INSULATOR	
	35	1	**0S-1597**	13	BOLT (1/4-28X1-IN)	
	36	1	**1M-9971**	1	SPACER (0.835X1.72X0.188-IN THK)	
	37	1	**1H-2629**	3	STRIP-INSULATION	
	38	1	**7M-0324**	1	COIL AS-FIELD	
	39	1	**3R-8797**	12	SCREW & WASHER AS (3/8-24X0.72-IN)	
	40	1	**7F-3488**	6	SHOE-POLE	

237-1962 STARTING MOTOR GP-ELECTRIC *(contd.)* i03630206

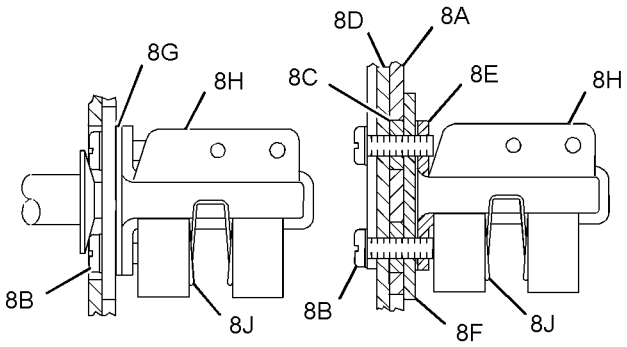
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	41	1	**7M-8651**	1	ARMATURE AS	
	42	1	**7M-0325**	1	INSULATOR	
	43	1	**3T-9524**	6	BRUSH AS	
	44	1	**3N-3763**	1	KIT-TERMINAL (STARTING MOTOR)	
					(INCLUDES BUSHINGS & WASHERS)	
	45	1	**125-6537**	1	INSULATOR	
	46	1	**3R-8801**	1	CLAMP	
	47	1	**8F-1434**	2	LOCKWASHER	
	48	1	**6V-8188**	6	NUT (1/2-13-THD)	
	49	1	**7X-0562**	6	WASHER-HARD (13.5X19X0.8-MM THK)	
	50	1	**4B-2049**	6	NUT (10-32-THD)	
	51	1	**8T-0328**	10	WASHER-HARD (5.5X10X1-MM THK)	
	52	1	**3T-9494**	6	SPRING (STARTING MOTOR)	
	53	1	**3E-7771**	1	HOUSING AS (STARTING MOTOR)	
	54	1	**9G-4101**	1	BUSHING-END	
	55	1	**3T-3424**	3	PLUG-FELT	
	56	1	**3T-3423**	3	CUP	
	57	1	**1M-9968**	1	BUSHING	
	58	1	**2F-6678**	1	SEAL-LIP TYPE	
	59	1	**4L-2729**	1	WASHER (0.844X1.9X0.188-IN THK)	
	60	1	**4M-1896**	1	BUSHING-TERMINAL	
	61	1	**045-4065**	4	SCREW-MACHINE (10-32X0.75-IN)	
	62	1	**125-6535**	1	COVER-STARTING MOTOR	
	63	1	**7T-9123**	1	GASKET-PLATE	
	64	1	**318-2082**	1	SOLENOID AS-STARTING MOTOR (24-VOLT)	
	65	1	**125-6536**	1	TERMINAL AS	

237-1962 STARTING MOTOR GP-ELECTRIC *(contd.)* i03630206

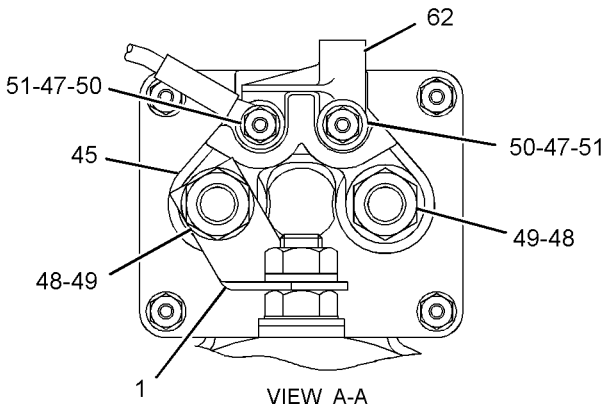




VIEW B-B



VIEW OF AREA C



VIEW A-A

GRAPHIC #1 **<END>** g01453239

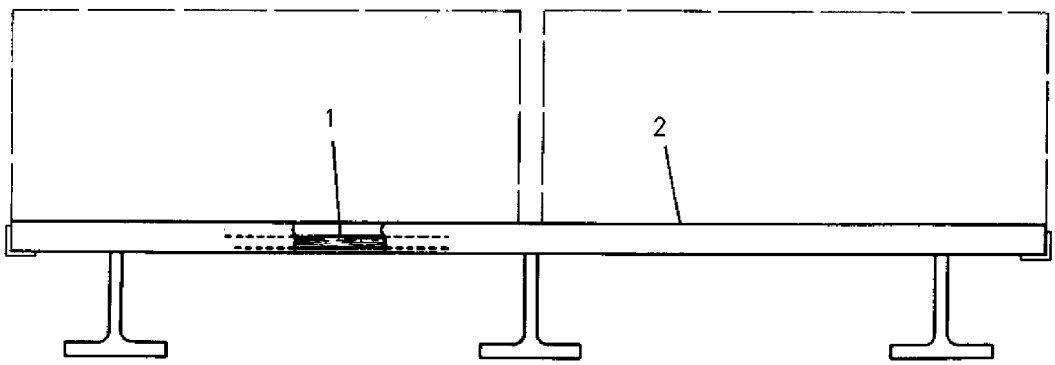
3N-7056 SUPPORT GP-BATTERY

FLOOR TYPE, 2-BATTERY

AN ATTACHMENT

SMCS-7257 **i01380951**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-7055**	1	BOARD	
	2	1	**3N-7054**	1	SUPPORT AS-BATTERY	



GRAPHIC #1 **<END>** g00729953

125-1302 SWITCH GP-MAGNETIC—AIR SHUTOFF

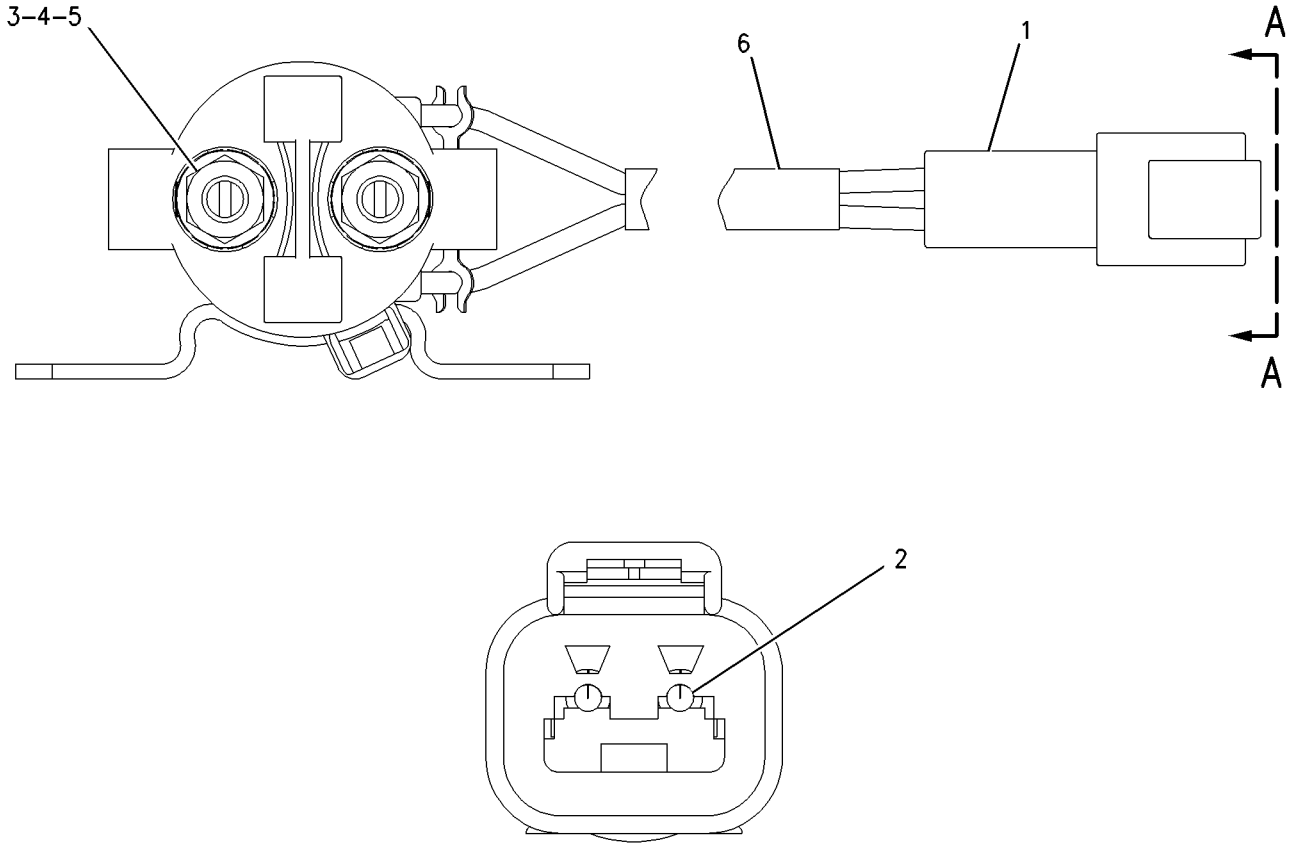
24-VOLT

PART OF 195-1345 CONTROL GP-AUTO START/STOP, 119-7557, 274-7413, 285-4122 SHUTOFF GP-AIR AN ATTACHMENT

SMCS-7499 **i03260001**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	
	3	1	**1H-3338**	2	LOCKWASHER (EXTERNAL TOOTH)	
	4	1	**012-0380**	2	LOCKWASHER	
M	5	1	**5C-2890**	2	NUT (M6X1-THD)	
E	6	1	**9X-1813**		SLEEVE (16-CM)	

E-ORDER BY THE CENTIMETER
M-METRIC PART



VIEW A-A

GRAPHIC #1 **<END>** g00988001

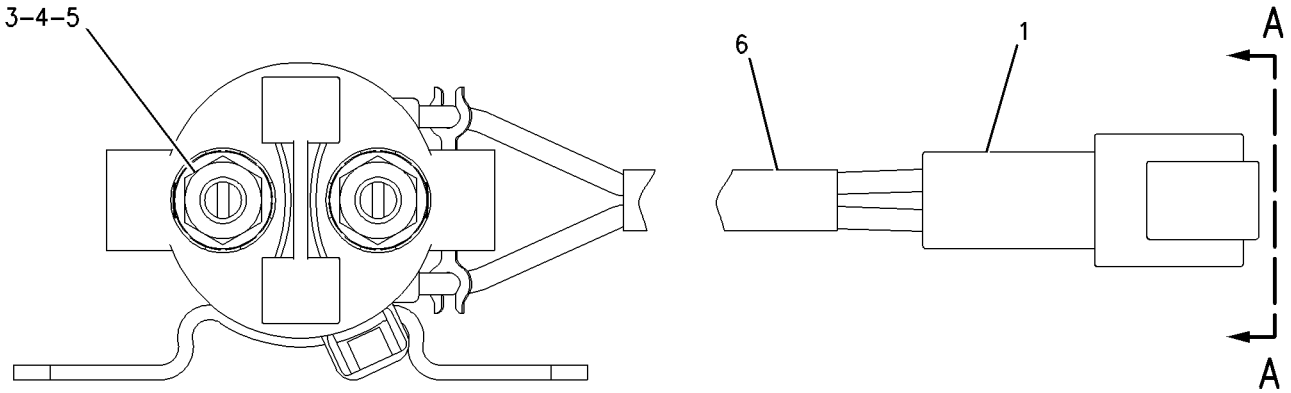
125-1303 SWITCH GP-MAGNETIC

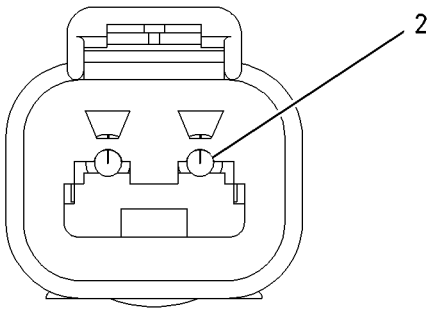
24 VOLT DC
PART OF 283-6414 SHUTOFF GP-AIR
AN ATTACHMENT

SMCS-7499 **i03325660**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	2	1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	
	3	1	**1H-3338**	2	LOCKWASHER (EXTERNAL TOOTH)	
	4	1	**012-0380**	2	LOCKWASHER	
M	5	1	**5C-2890**	2	NUT (M6X1-THD)	
E	6	1	**9X-1813**		SLEEVE (16-CM)	

E-ORDER BY THE CENTIMETER
M-METRIC PART





VIEW A–A

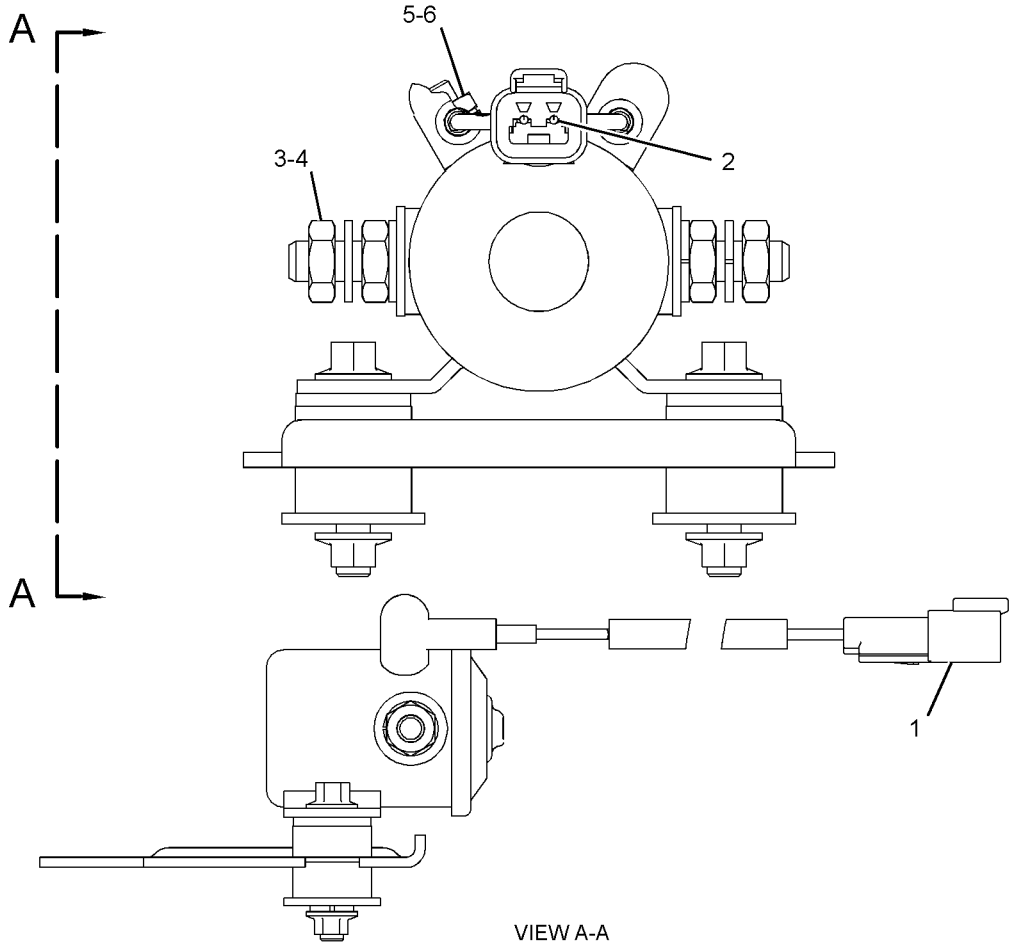
GRAPHIC #1 **<END>** g00988001

209-5581 SWITCH GP-MAGNETIC

12-VOLT
PART OF 341-7343 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-7499 **i02825881**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
	2	1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	
	3	1	**3F-9556**	2	LOCKWASHER	
	4	1	**6V-8186**	2	NUT-FULL (5/16-24-THD)	
	5	1	**6V-8378**	2	NUT (10-32-THD)	
	6	1	**8F-1434**	2	LOCKWASHER	



VIEW A-A

GRAPHIC #1 **<END>** g01259434

ELECTRICAL AND STARTING SYSTEM

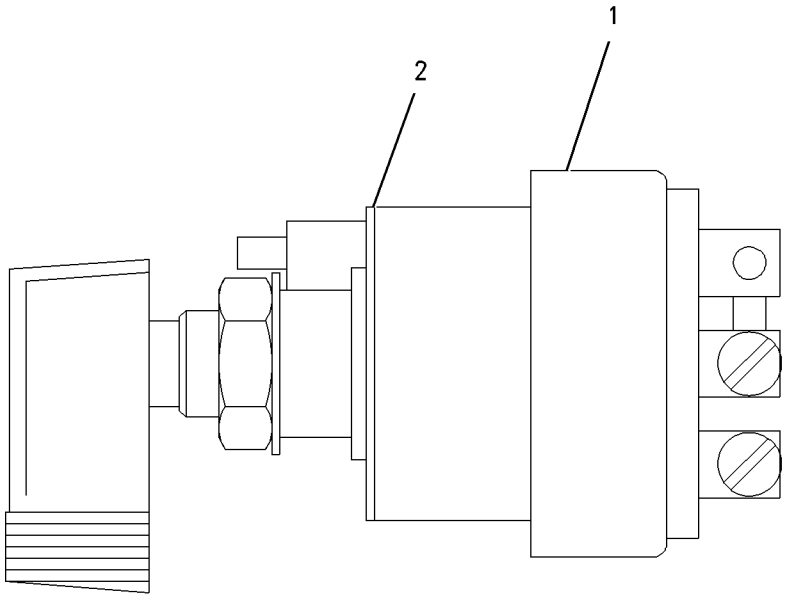
3N-8782 SWITCH GP-REMOTE STARTING

FOR USE WITH DIRECT INJECTION ENGINE
AN ATTACHMENT

SMCS-1416 **i02463361**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**9W-1077**	1	SWITCH GP-START (REMOTE)	955
	2	1	**8J-4785**	1	PLATE-INSTRUCTION (START SWITCH) (REMOTE)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00742147

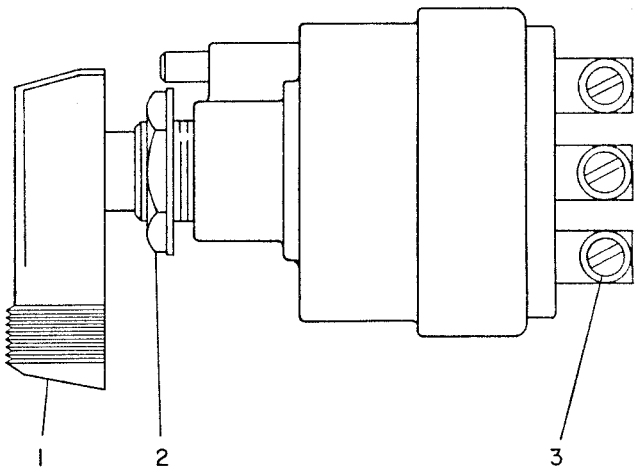
9W-1077 SWITCH GP-START–REMOTE

PART OF 3N-8782 SWITCH GP-REMOTE STARTING

AN ATTACHMENT

SMCS-1416 **i01901921**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8F-3437**	1	LEVER-SWITCH (START)	
		1	**5L-7200**	1	SCREW (8-32X0.375-IN)	
		1	**3B-4501**	1	LOCKWASHER	
	2	1	**8C-6808**	1	NUT (5/8-32-THD)	
		1	**7M-0327**	1	WASHER-THRUST (17.4X25.4X1.6-MM THK)	
	3	1	**6V-8364**	4	SCREW-MACHINE (10-32X9.52-MM)	
		1	**8F-1434**	4	LOCKWASHER	



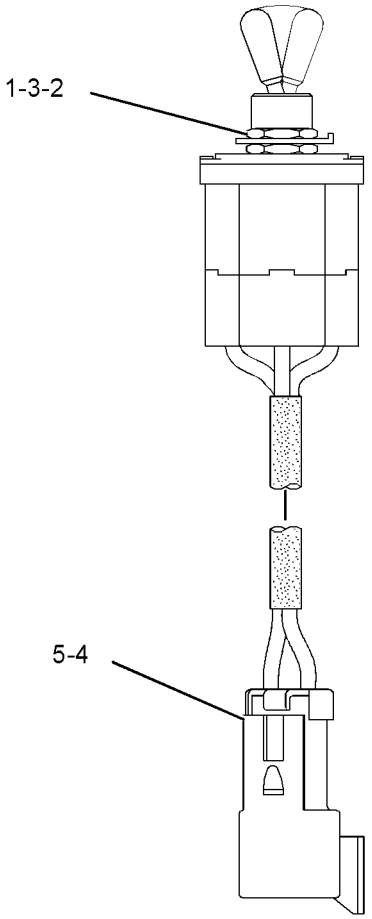
GRAPHIC #1 **<END>** g00184487

165-5970 SWITCH GP-TOGGLE

PART OF 298-4782 PUMP GP-FUEL PRM & PRIM FILTER
AN ATTACHMENT

SMCS-7332 **i03546941**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6T-3631**	2	NUT-HEX (15/32-32-THD)	
	2	1	**6T-3632**	1	LOCKWASHER	
	3	1	**6T-3633**	1	RING-LOCKING	
	4	1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	5	1	**186-3735**	3	PIN-CONNECTOR (16-GA TO 18-GA)	



GRAPHIC #1 **<END>** g01874792

1L-5011 VALVE GP-AIR STARTING

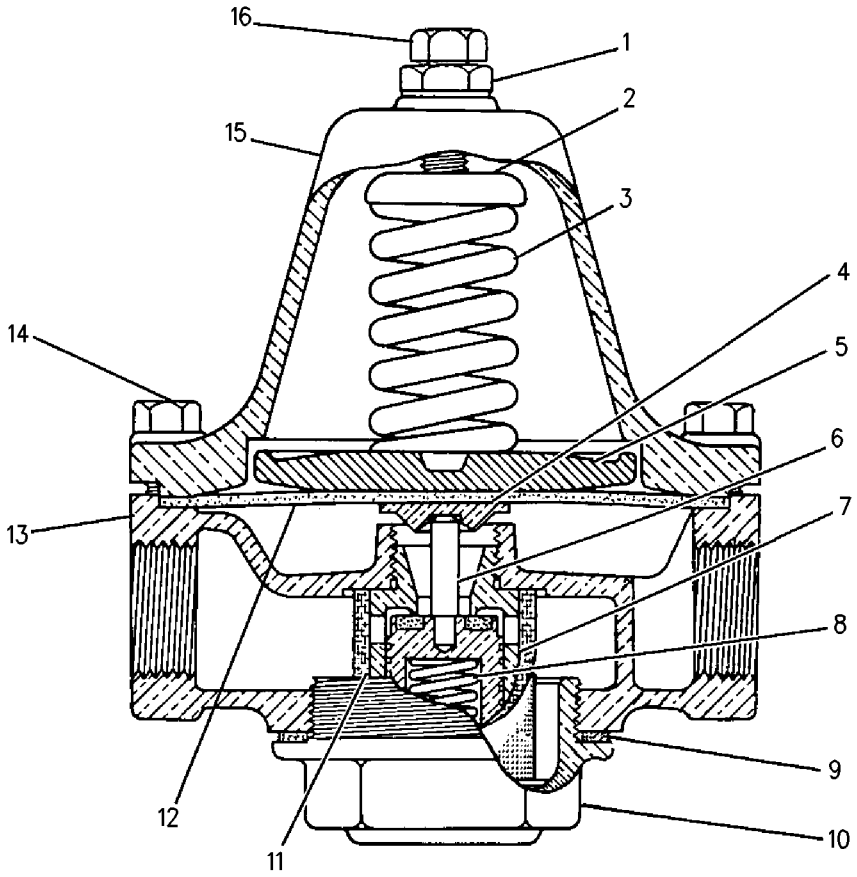
REQUIRED WHEN AIR SUPPLY PRESSURE EXCEEDS 1034 KPA.
REGULATING AND PRESSURE REDUCING
FOR USE WITH AIR STARTING MOTOR
AN ATTACHMENT

SMCS-1462 **i02900289**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**1L-9048**	1	NUT-PLATED JAM (7/16-14-THD)	
	2	1	**1H-9569**	1	BUTTON-SPRING	
	3	1	**1L-9049**	1	SPRING-PRESSURE	
	4	1	**1L-9060**	1	BUTTON	
	5	1	**1H-9572**	1	PLATE-PRESSURE	
	6	1	**1L-9064**	1	PISTON AS	
	7	1	**7L-8705**	1	CYLINDER	
	8	1	**1L-9067**	1	SPRING-PISTON	
	9	1	**1H-9580**	1	GASKET-PLUG	
	10	1	**1L-9069**	1	PLUG AS	
	11	1	**1L-9066**	1	SCREEN-STRAINER (AIR STARTING VALVE)	
	12	1	**1L-9063**	1	DIAPHRAGM	
	13	1	**1L-9068**	1	BODY-VALVE	
	14	1	**1L-9062**	6	BOLT (3/8-24X1.5-IN)	
		1	**1L-9061**	6	NUT-PLATED FULL (3/8-24-THD)	
	15	1	**1L-9059**	1	HOUSING-SPRING	
C	16	1	**0T-0320**	1	BOLT (7/16-14X1.25-IN)	

C-CHANGE FROM PREVIOUS TYPE

1L-5011 **VALVE GP-AIR STARTING** *(contd.)* **i02900289**



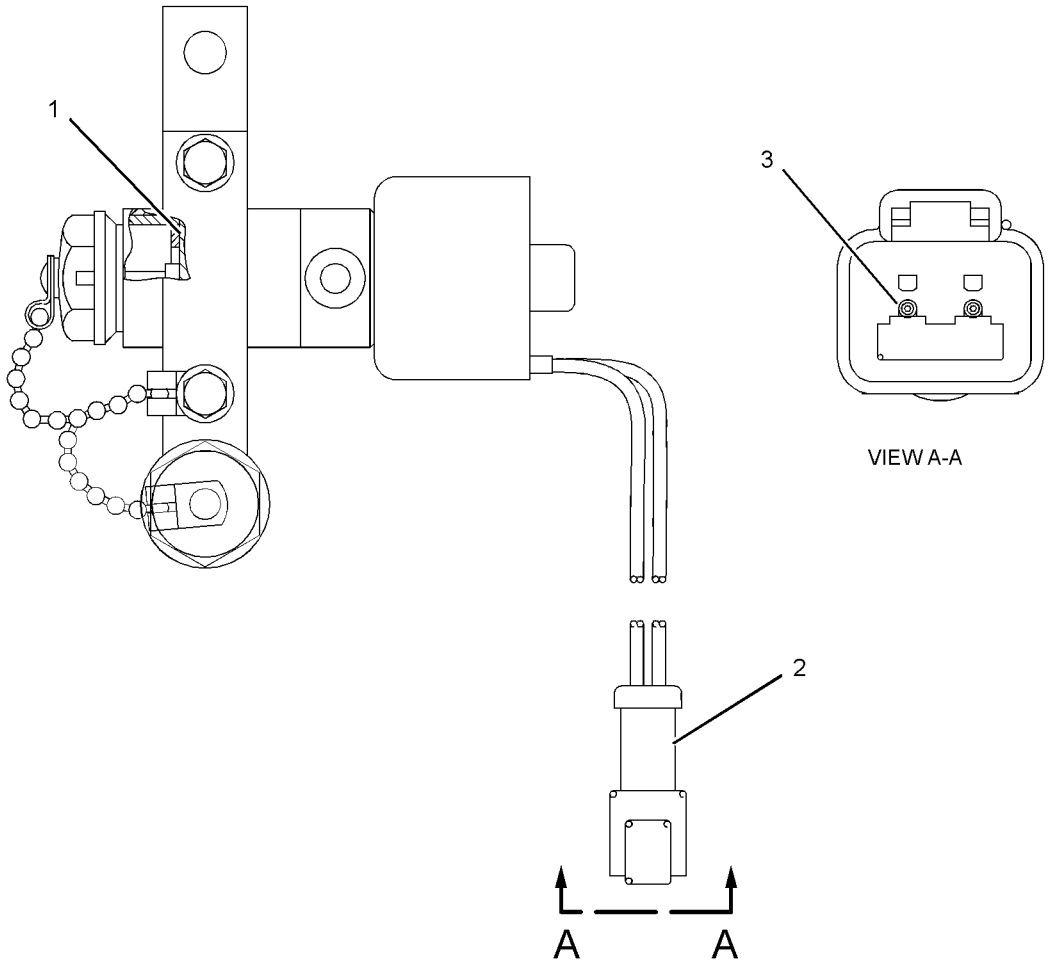
GRAPHIC #1 **<END>** g00741516

239-1134 VALVE GP-ETHER STARTING

24-VOLT
PART OF 260-3934 STARTING AID GP-ETHER
AN ATTACHMENT

SMCS-1456 **i03159431**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-9801**	1	GASKET	
	2	1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	3	1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	



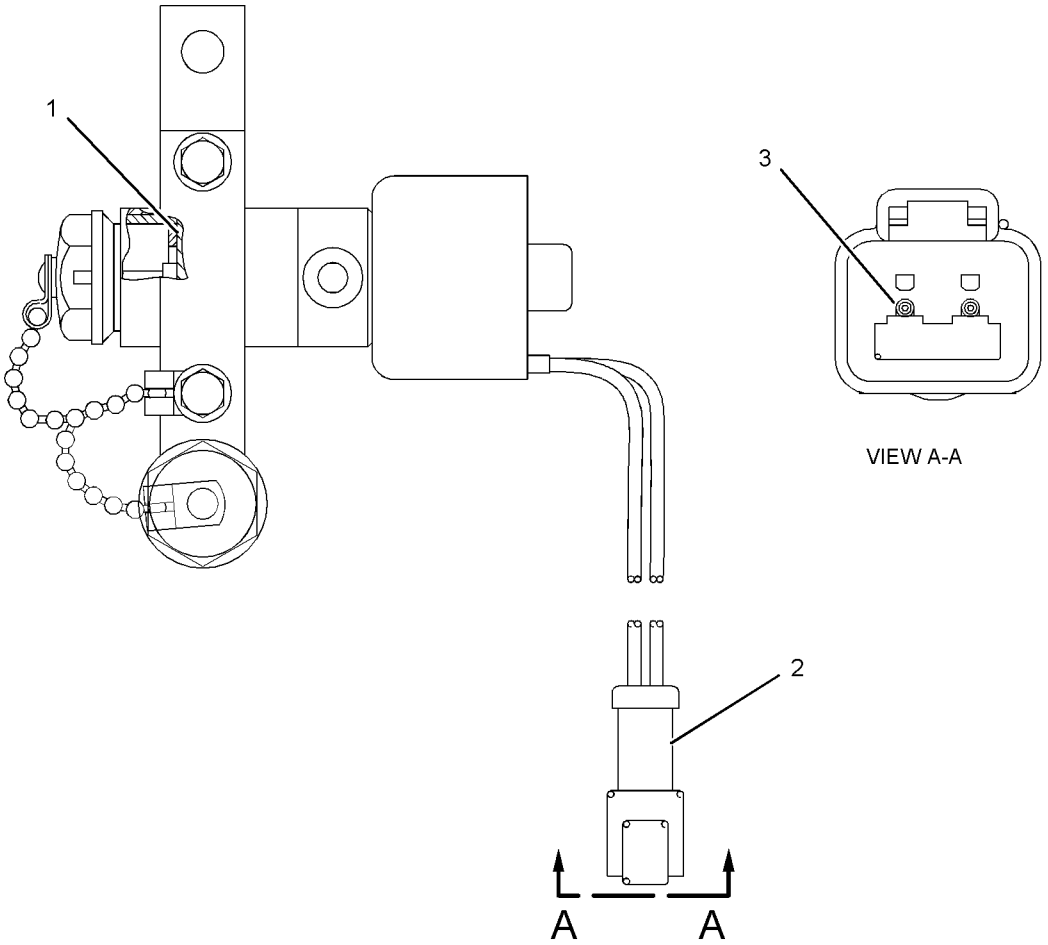
GRAPHIC #1 **<END>** g01375620

260-1844 VALVE GP-ETHER STARTING–12-VOLT

STARTING AID
PART OF 260-3932 STARTING AID GP-ETHER
AN ATTACHMENT

SMCS-1456 **i02265141**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7N-9801**	1	GASKET	
	2	1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
	3	1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	



GRAPHIC #1 **<END>** g01136571

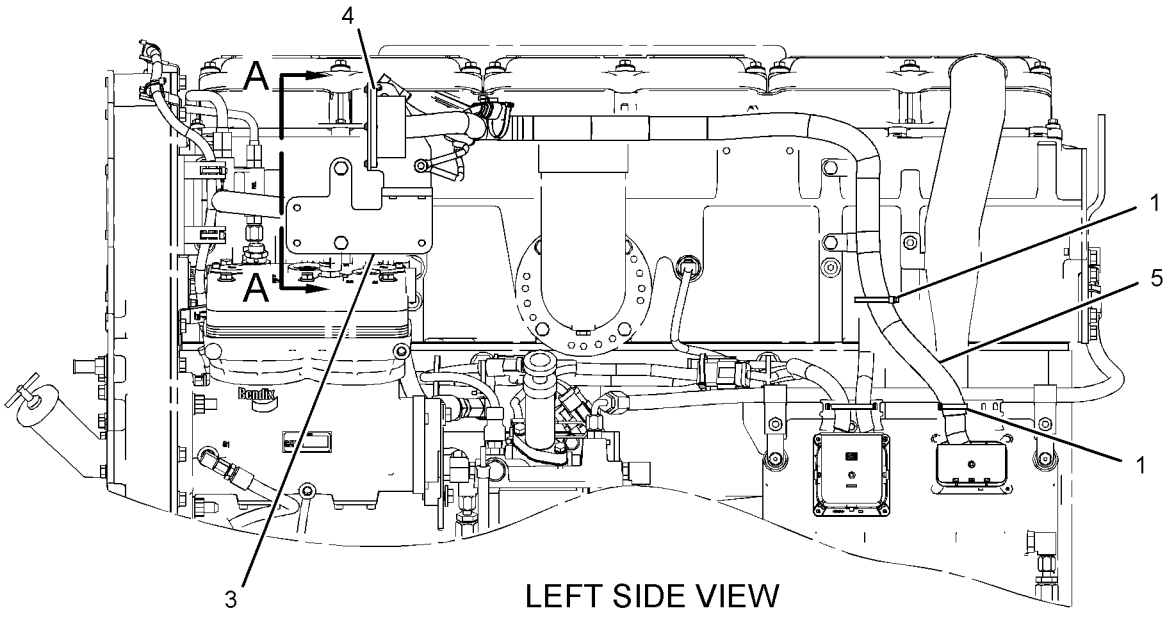
264-2352 WIRING GP-ELECTRONIC CONTROL

AN ATTACHMENT

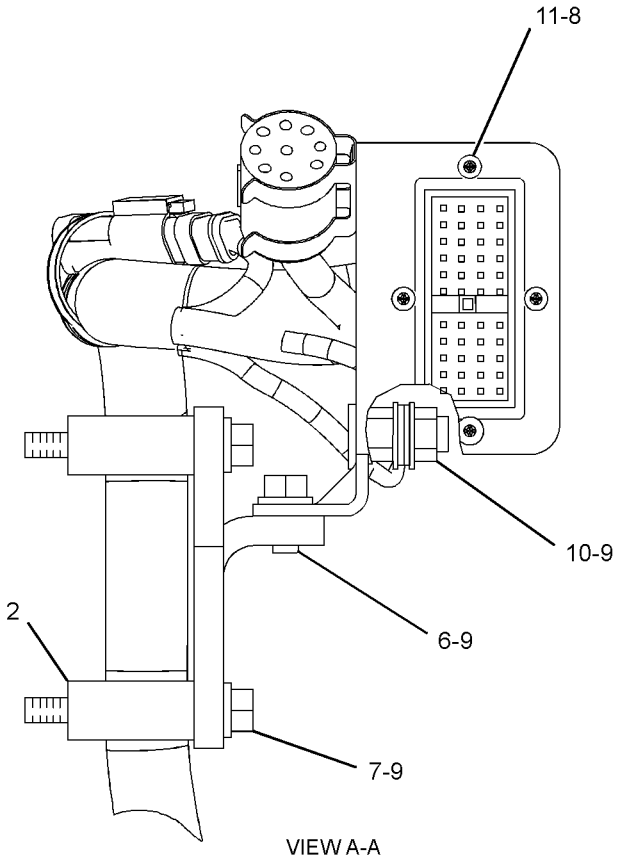
SMCS-1408, 1900 **i03642454**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
	2	1	**9M-9224**	2	SPACER (0.406X0.75X1.688-IN THK)	
	3	1	**124-3414**	1	BRACKET	
Y	4	1	**131-5526**	1	FASTENER GP-WIRING HARNESS	857
	5	1	**264-2354**	1	HARNESS AS-CONTROL (ENGINE)	
		1	**3S-2093**	1	STRAP-CABLE	
		1	**6I-4348**	1	BOOT (40-PIN)	
		1	**8C-6354**	1	CAP-RECEPTACLE	
		1	**8T-8736**	1	RECEPTACLE-CONNECTOR (9-PIN)	
		1	**9X-1343**	1	RECEPTACLE AS-CONNECTOR (40-PIN)	
		1	**134-2540**	1	RESISTOR AS-CONNECTION (3-PIN)	
		1	**160-7689**	1	PLUG AS-CONNECTOR (70-PIN)	
		1	**159-9322**	1	SEAL-O-RING	
		1	**174-0503**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
	6	1	**0S-0509**	2	BOLT (3/8-16X0.75-IN)	
	7	1	**0T-0573**	2	BOLT (3/8-16X2.75-IN)	
	8	1	**4B-5324**	4	WASHER (3.9X9.6X1.2-MM THK)	
	9	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	10	1	**6V-8801**	2	NUT (3/8-16-THD)	
	11	1	**9X-6258**	4	SCREW-MACHINE (6-32X0.5-IN)	

Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW



VIEW A-A

GRAPHIC #1 **<END>** g01159311

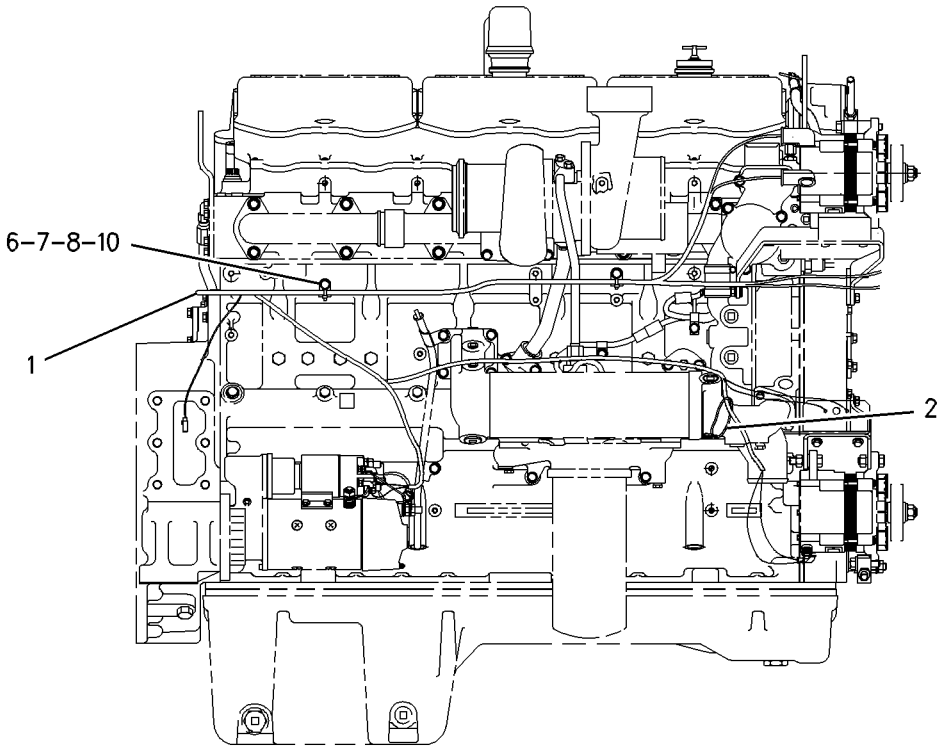
134-8201 WIRING GP-ENGINE

FOR USE WITH ELECTRIC STARTER, ALTERNATOR AND INSTRUMENT PANEL
AN ATTACHMENT

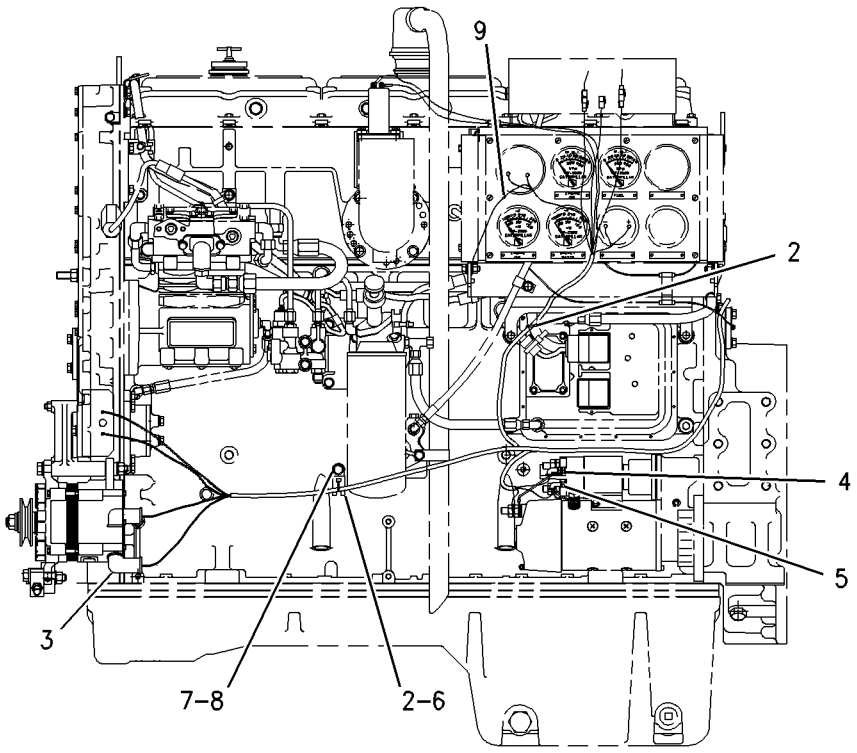
SMCS-1000, 1408 **i01976094**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**134-5577**	1	HARNESS AS-WIRING (ALTERNATOR, STARTING MOTOR)	
		1	**155-2274**	3	KIT-CONNECTING PLUG (6-PIN) (WIRING HARNESS)	
					(EACH INCLUDES PLUS AS AND WEDGE)	
		1	**127-5485**	1	PLUG AS-CONNECTOR (1-PIN)	
B	2	1	**6K-0806**	3	STRAP-CABLE	
	3	1	**2L-0273**	2	FITTING (RUBBER)	
	4	1	**8N-0869**	1	COVER-TERMINAL (RED)	
	5	1	**9G-8909**	1	COVER-TERMINAL (BLACK)	
	6	1	**4P-8134**	3	CLIP (TIE WRAP)	
	7	1	**0S-0509**	3	BOLT (3/8-16X0.75-IN)	
	8	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	9	1	**2W-0619**	1	WIRE AS	
	10	1	**3S-2093**	2	STRAP-CABLE	

B-USE AS REQUIRED



RIGHT SIDE VIEW



LEFT SIDE VIEW

GRAPHIC #1 **<END>** g00827920

195-0131 WIRING GP-ENGINE–REMOTE MOUNTED ECM

FOR USE WITH 24-VOLT WIRING SYSTEM

AN ATTACHMENT

SMCS-1000, 1408 **i02224732**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	194-4613	1	HARNESS AS-WIRING (CONTROL PANEL)	
	8T-9834	1	PLUG AS-CONNECTOR (40-PIN)	
	3E-4367	1	RING-RETAINING	
M	**3E-8557**	1	BOLT (M5X0.8X39.37-MM)	
	9X-3132	2	SEAL-CONNECTOR (40-PIN)	
	155-2255	1	KIT-CONNECTING PLUG (12-PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2260	1	KIT-CONNECTING PLUG (3-PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2270	1	KIT-CONNECTING PLUG (2-PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	155-2274	1	KIT-CONNECTING PLUG (6-PIN) (WIRING HARNESS)	
			(INCLUDES PLUG AS AND WEDGE)	
	8N-1542	1	PIN-CONNECTOR (10-GA)	
	127-5485	1	PLUG AS-CONNECTOR (1-PIN)	
	127-5486	1	RECEPTACLE AS-CONNECTOR (1-PIN)	
	8N-1543	1	SOCKET-CONNECTOR (10-GA)	
	9W-0844	2	SOCKET-CONNECTOR (14-GA)	
	186-3736	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	2L-8066	1	TERMINAL-RING (10-GA TO 12-GA, NO. 10 SCREW)	
	2L-8081	2	TERMINAL-RING (14-GA TO 16-GA, 1/2-IN SCREW)	
	2L-8071	1	TERMINAL-RING (10-GA TO 12-GA, 1/2-IN SCREW)	
	155-2263	1	WEDGE-PLUG LOCK (6-PIN)	
D	**5P-5624**		WIRE (14-GA, BLACK) (5-M)	
D	**5P-5622**		WIRE (10-GA, BLACK) (5-M)	

D-ORDER BY THE METER
M-METRIC PART

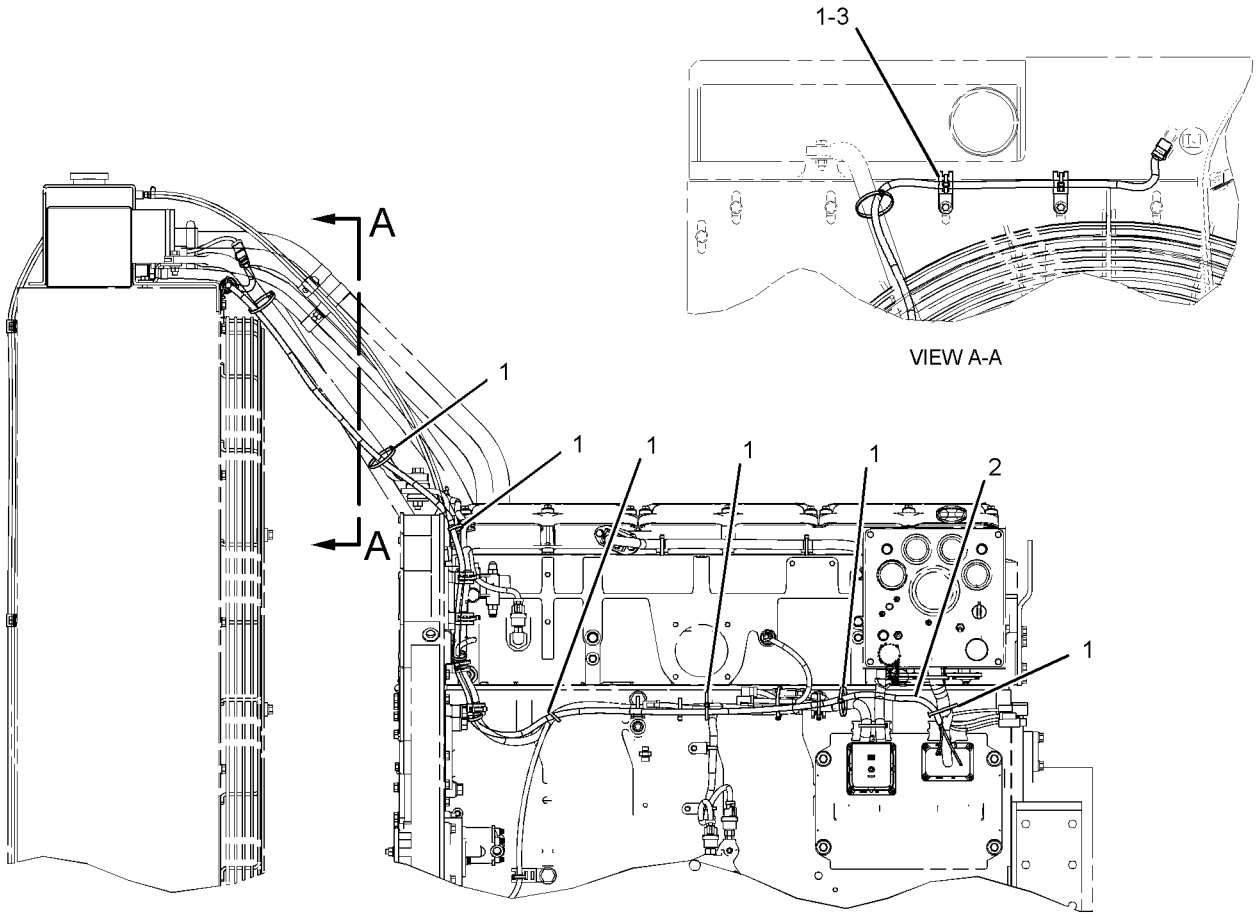
<END>

237-4284 WIRING GP-ENGINE

FOR USE WITH ENGINE RADIATOR PACKAGE. CANNOT BE USED WITH TWIN TURBO CONFIGURATION
AN ATTACHMENT

SMCS-1000, 1408 **i02137722**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	11	STRAP-CABLE	
	2	1	**237-4305**	1	HARNESS AS-SENSOR (COOLANT LEVEL)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
	3	1	**4P-7581**	2	CLIP	



LEFT SIDE VIEW

GRAPHIC #1

<END>

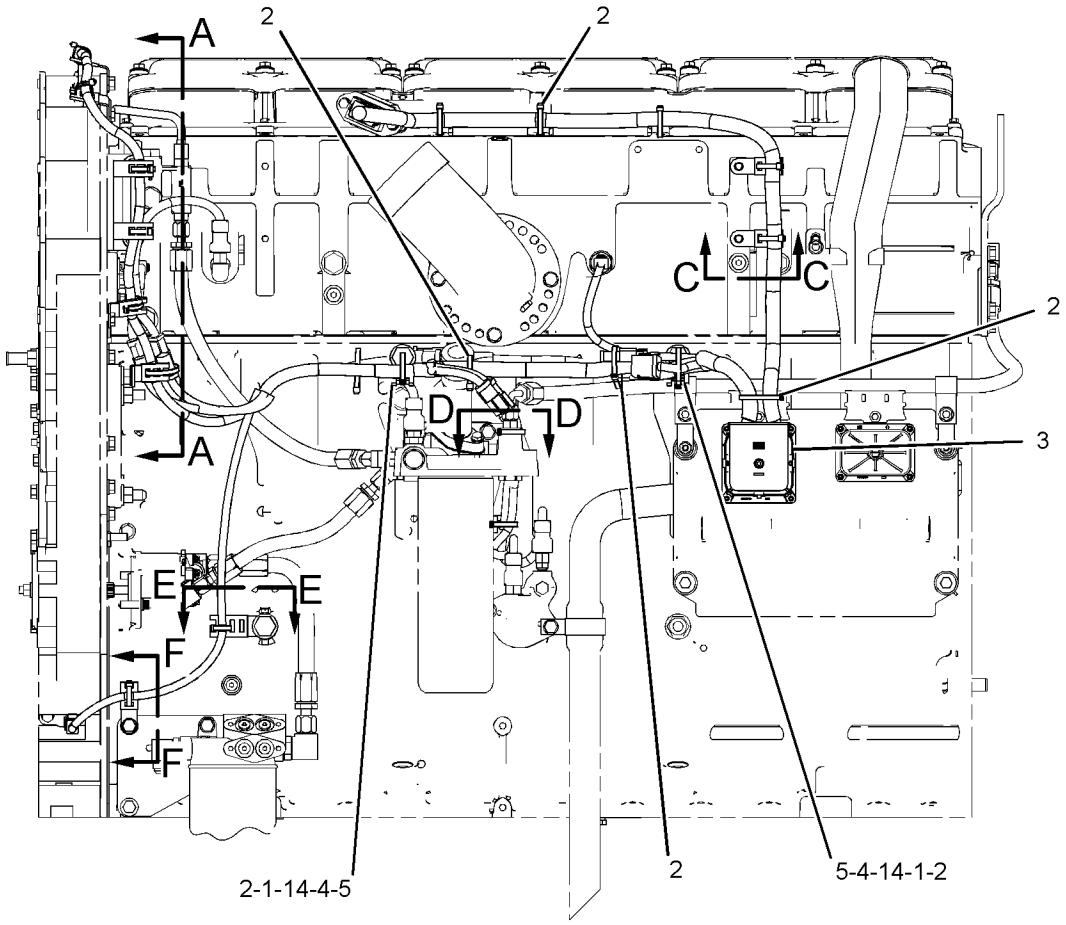
g01086907

237-4294 WIRING GP-ENGINE

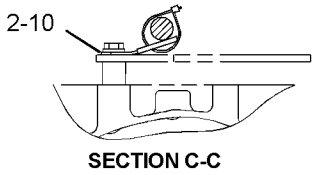
S/N: JRE1-1256
FOR USE WITH ENGINES USING THE A4E4V2 ECM
AN ATTACHMENT

SMCS-1000, 1408 **i02120860**

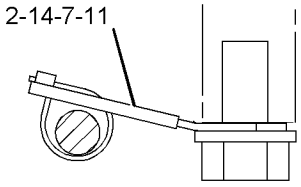
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2B-2814**	2	SPACER (17.4X22.2X17.5-MM THK)	
	2	1,2	**3S-2093**	23	STRAP-CABLE	
	3	1	**239-5929**	1	HARNESS AS-ENGINE	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8803**	2	KIT-RECEPTACLE (3-PIN)	
					(EACH INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2255**	1	KIT-CONNECTING PLUG (12-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**155-2265**	1	KIT-CONNECTING PLUG (8-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**155-2270**	5	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
		1	**8T-8737**	81	PLUG-SEAL	
	4	1	**0S-1576**	2	BOLT (5/8-18X2-IN)	
	5	1	**104-6202**	2	CLIP	
	6	1	**132-5789**	2	CLIP	
	7	1	**1A-4273**	1	BOLT (5/8-18X1.25-IN)	
	8	1	**3B-1915**	1	BOLT (3/8-16X1.375-IN)	
	9	1	**4P-7429**	1	CLIP	
	10	1	**4P-7581**	3	CLIP	
	11	1	**4P-7582**	1	CLIP	
	12	1,2	**4P-8134**	6	CLIP	
	13	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	14	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
	15	1	**8T-4223**	1	WASHER-HARD (13.5X25.5X3-MM THK)	



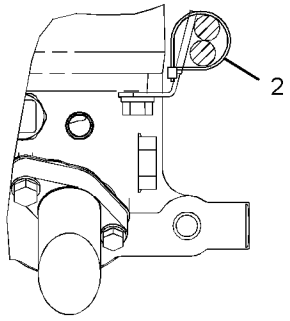
LEFT SIDE VIEW



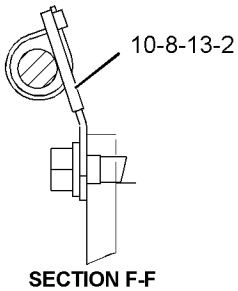
SECTION C-C



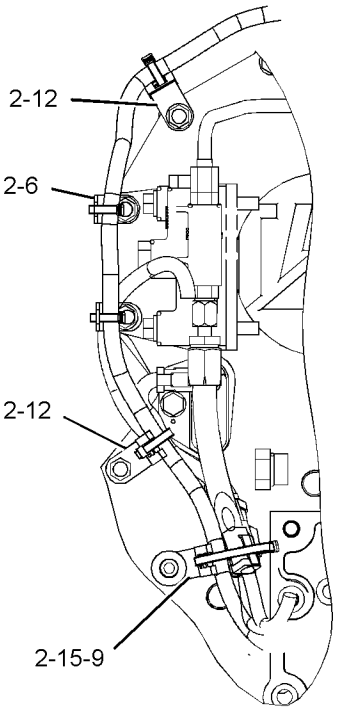
SECTION E-E



SECTION D-D



SECTION F-F

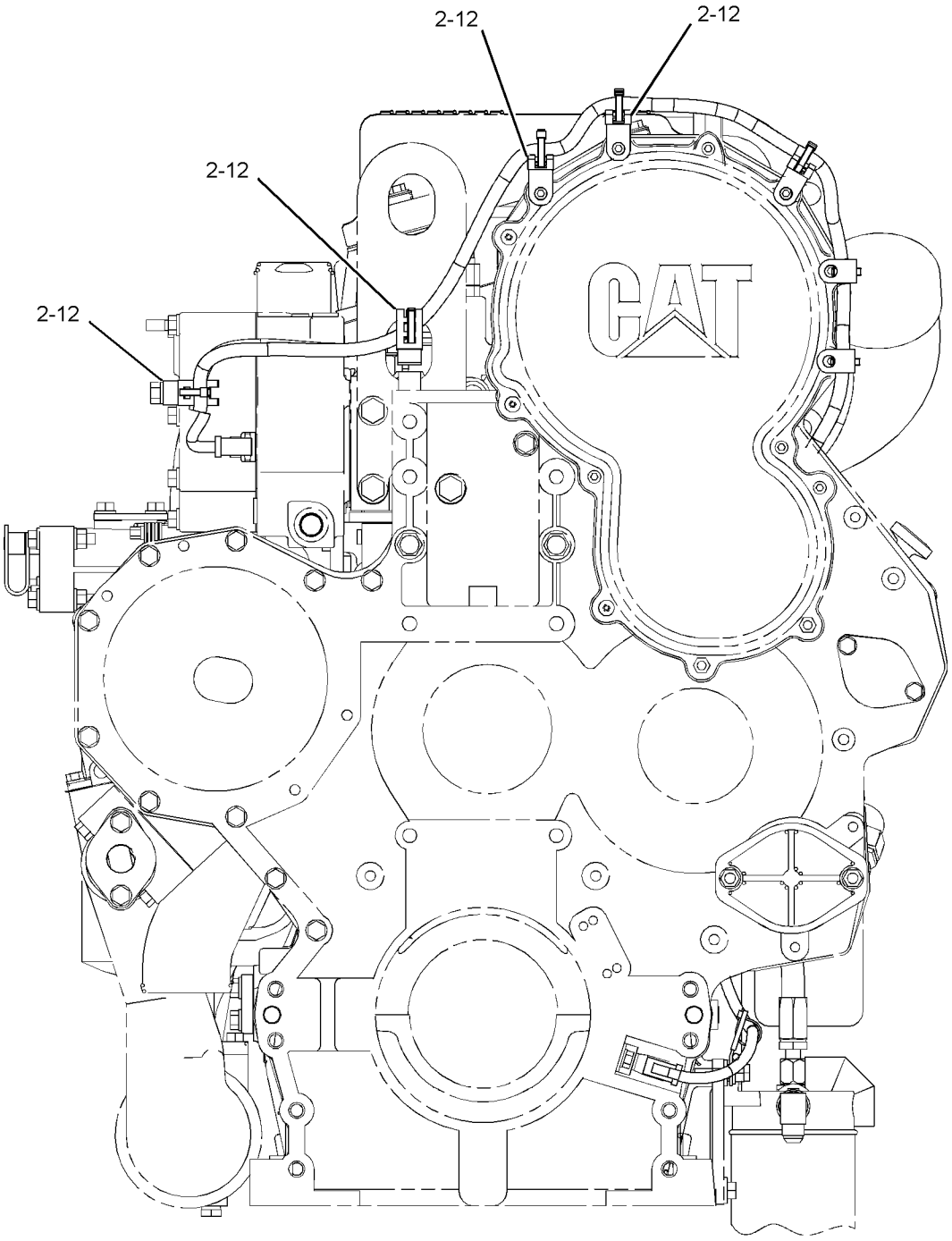


VIEW A-A

GRAPHIC #1

g01080773

237-4294 **WIRING GP-ENGINE** *(contd.)* **i02120860**



FRONT VIEW

GRAPHIC #2

<END>

g01080861

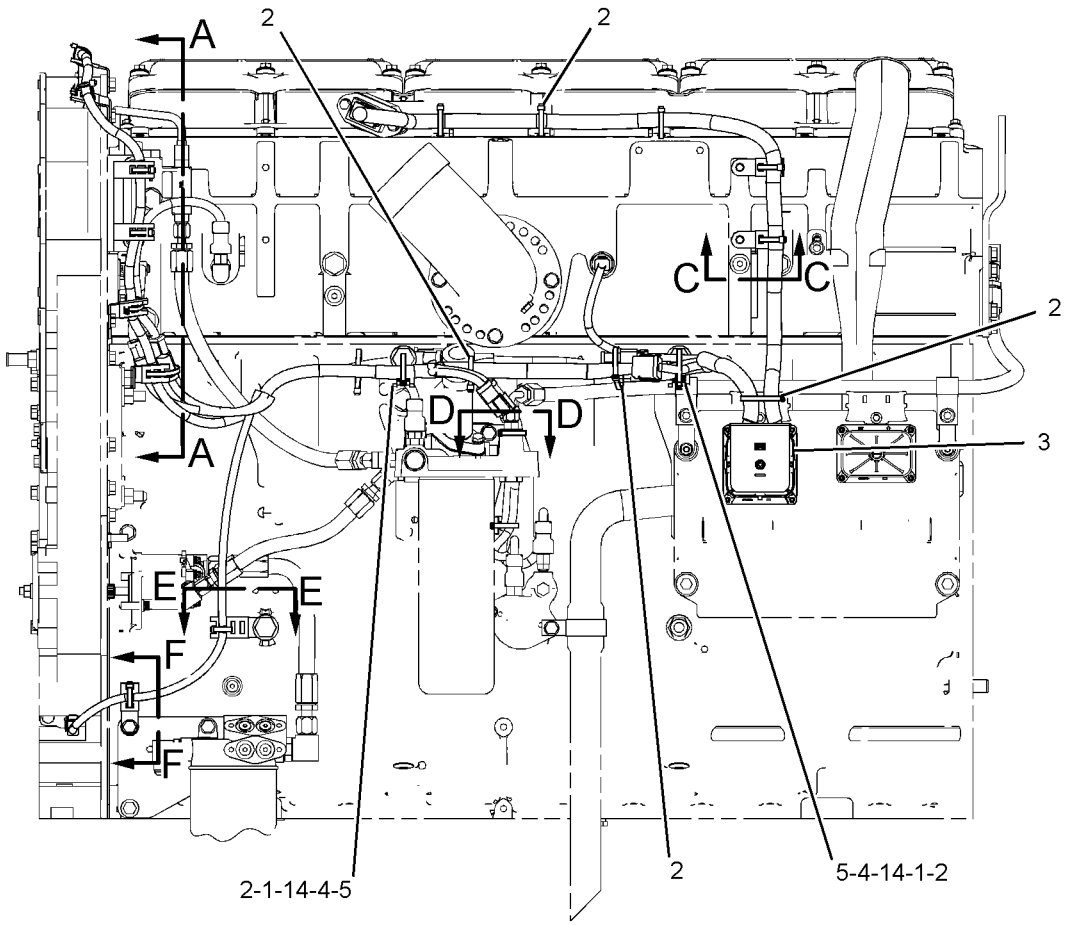
ELECTRICAL AND STARTING SYSTEM

237-4294 WIRING GP-ENGINE

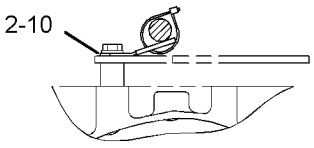
S/N: JRE1257-1457
FOR USE WITH ENGINES USING THE A4E4V2 ECM
AN ATTACHMENT

SMCS-1000, 1408 **i02501570**

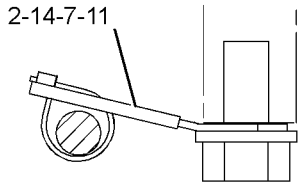
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2B-2814**	2	SPACER (17.4X22.2X17.5-MM THK)	
	2	1,2	**3S-2093**	23	STRAP-CABLE	
	3	1	**239-5929**	1	HARNESS AS-ENGINE	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8803**	2	KIT-RECEPTACLE (3-PIN)	
					(EACH INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2255**	1	KIT-CONNECTING PLUG (12-PIN)	
					(INCLUDES PLUG AS,INTERFACE SEAL & WEDGE)	
		1	**155-2265**	1	KIT-CONNECTING PLUG (8-PIN)	
					(INCLUDES PLUG AS,INTERFACE SEAL & WEDGE)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS, INTERFACE SEAL & WEDGE)	
		1	**155-2270**	5	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS,INTERFACE SEAL & WEDGE)	
		1	**8T-8737**	81	PLUG-SEAL	
	4	1	**0S-1576**	2	BOLT (5/8-18X2-IN)	
	5	1	**104-6202**	2	CLIP	
	6	1	**132-5789**	2	CLIP	
	7	1	**1A-4273**	1	BOLT (5/8-18X1.25-IN)	
	9	1	**4P-7429**	1	CLIP	
	10	1	**4P-7581**	3	CLIP	
	11	1	**4P-7582**	1	CLIP	
	12	1,2	**4P-8134**	6	CLIP	
	14	1	**5P-8247**	3	WASHER-HARD (17X32X3.5-MM THK)	
	15	1	**8T-4223**	1	WASHER-HARD (13.5X25.5X3-MM THK)	



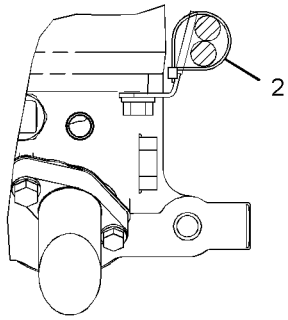
LEFT SIDE VIEW



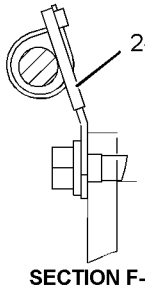
SECTION C-C



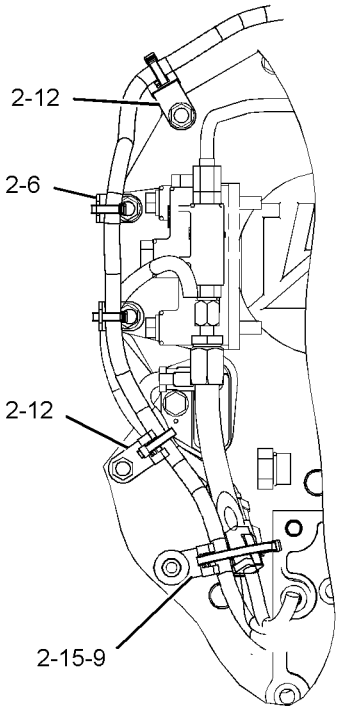
SECTION E-E



SECTION D-D



SECTION F-F

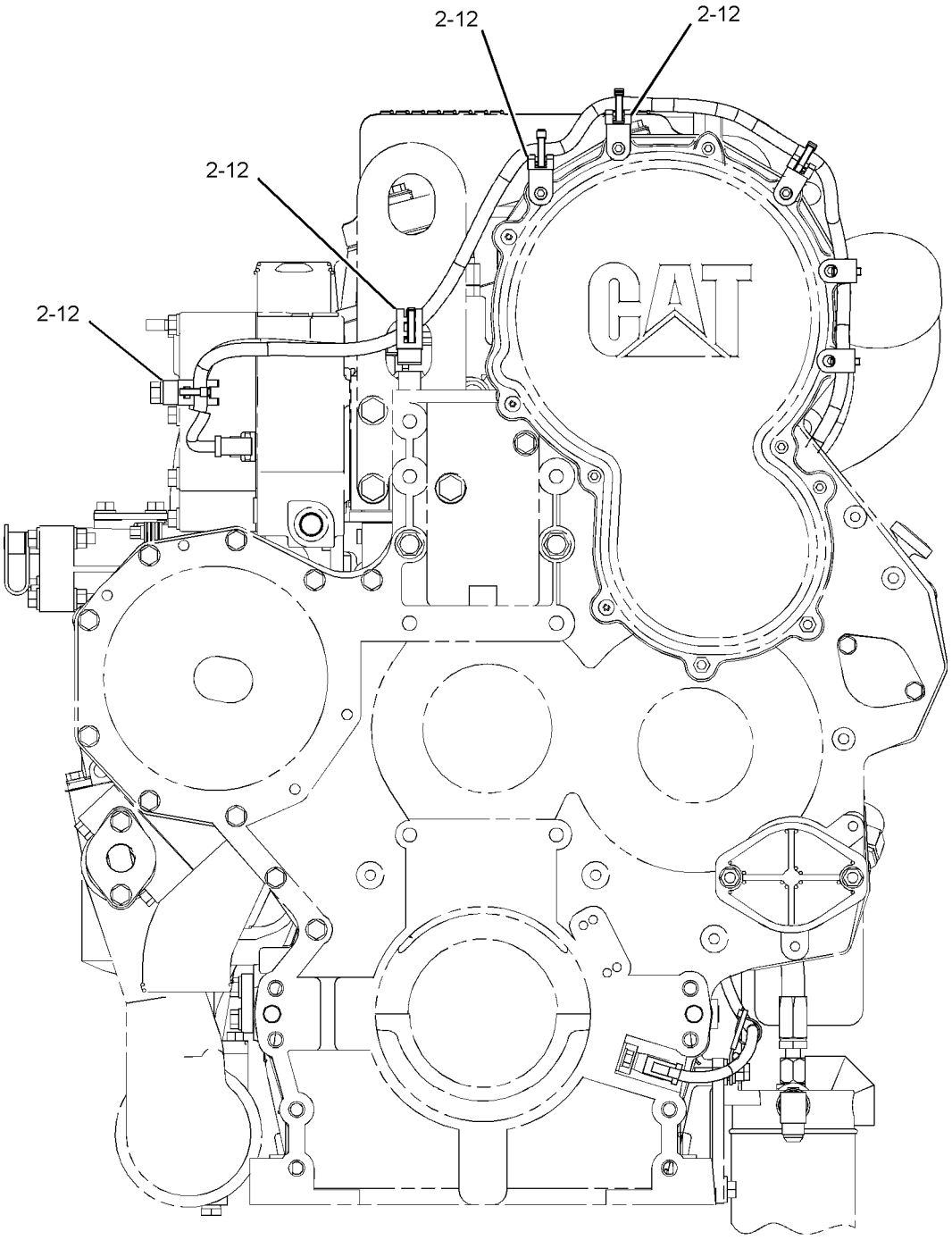


VIEW A-A

GRAPHIC #1

g01251374

237-4294 **WIRING GP-ENGINE** *(contd.)* **i02501570**



FRONT VIEW

GRAPHIC #2 **<END>** g01080861

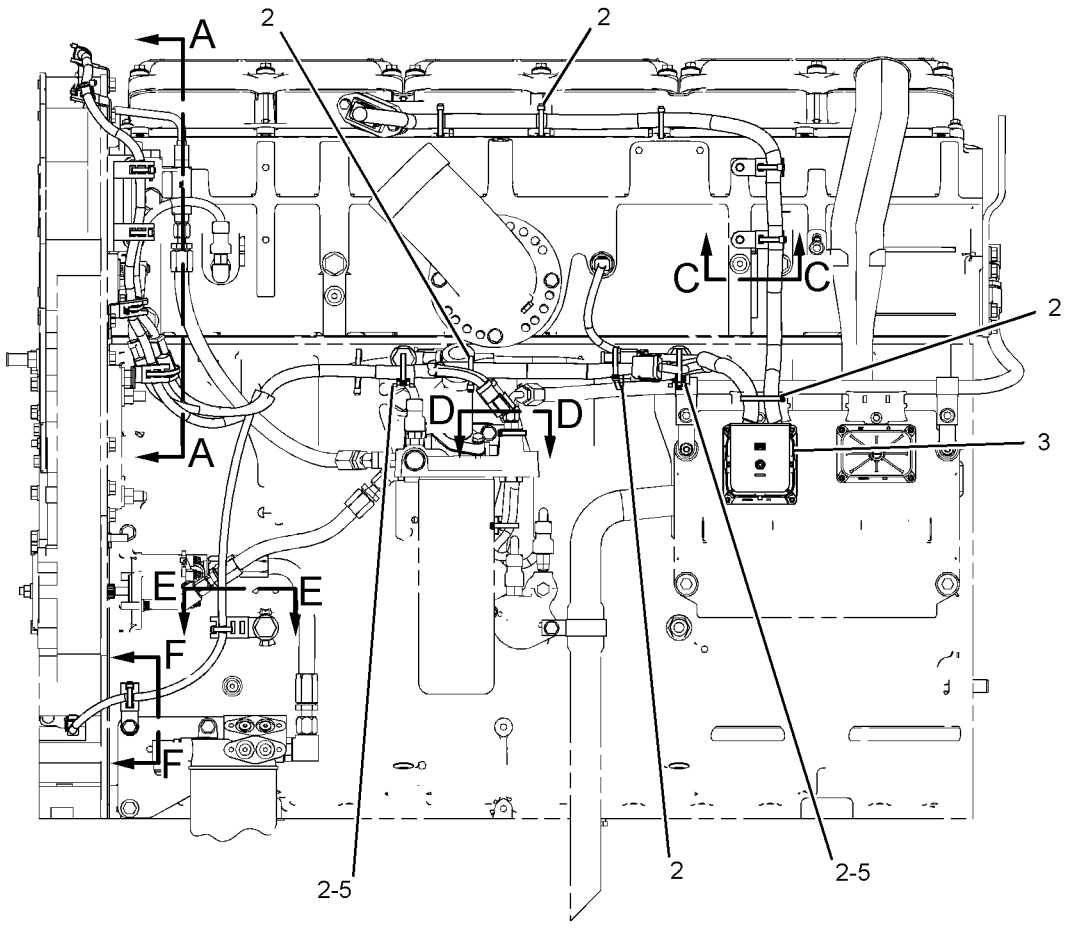
237-4294 WIRING GP-ENGINE

FOR USE WITH ENGINES USING THE A4E4V2 ECM
AN ATTACHMENT

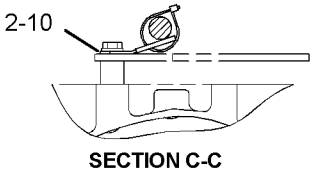
SMCS-1000, 1408 **i02502649**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8T-4223**	1	WASHER-HARD (13.5X25.5X3-MM THK)	
	2	1,2	**3S-2093**	23	STRAP-CABLE	
	3	1	**239-5929**	1	HARNESS AS-ENGINE	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**102-8803**	2	KIT-RECEPTACLE (3-PIN)	
					(EACH INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**155-2255**	1	KIT-CONNECTING PLUG (12-PIN)	
					(INCLUDES PLUG AS,INTERFACE SEAL & WEDGE)	
		1	**155-2265**	1	KIT-CONNECTING PLUG (8-PIN)	
					(INCLUDES PLUG AS,INTERFACE SEAL & WEDGE)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS, INTERFACE SEAL & WEDGE)	
		1	**155-2270**	5	KIT-CONNECTING PLUG (2-PIN)	
					(EACH INCLUDES PLUG AS,INTERFACE SEAL & WEDGE)	
	5	1	**104-6202**	2	CLIP	
	6	1	**132-5789**	2	CLIP	
	7	1	**1A-4273**	1	BOLT (5/8-18X1.25-IN)	
	9	1	**4P-7429**	1	CLIP	
	10	1	**4P-7581**	3	CLIP	
	11	1	**4P-7582**	1	CLIP	
	12	1,2	**4P-8134**	6	CLIP	
C	14	1	**5P-8247**	1	WASHER-HARD (17X32X3.5-MM THK)	

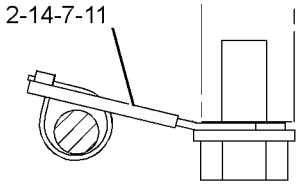
C-CHANGE FROM PREVIOUS TYPE



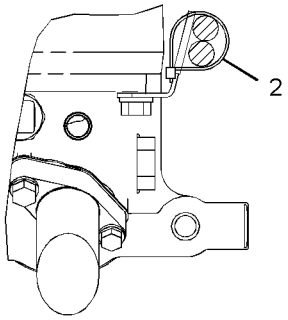
LEFT SIDE VIEW



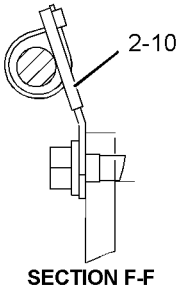
SECTION C-C



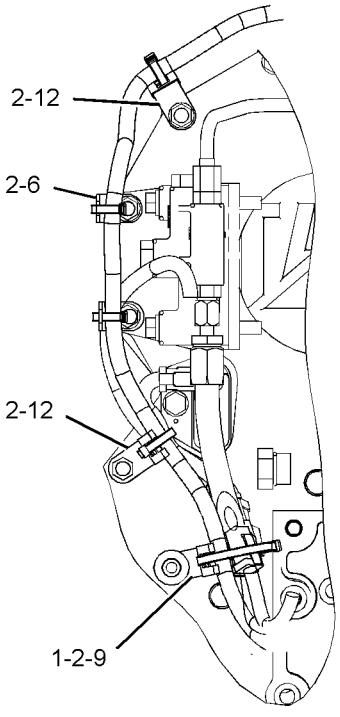
SECTION E-E



SECTION D-D



SECTION F-F

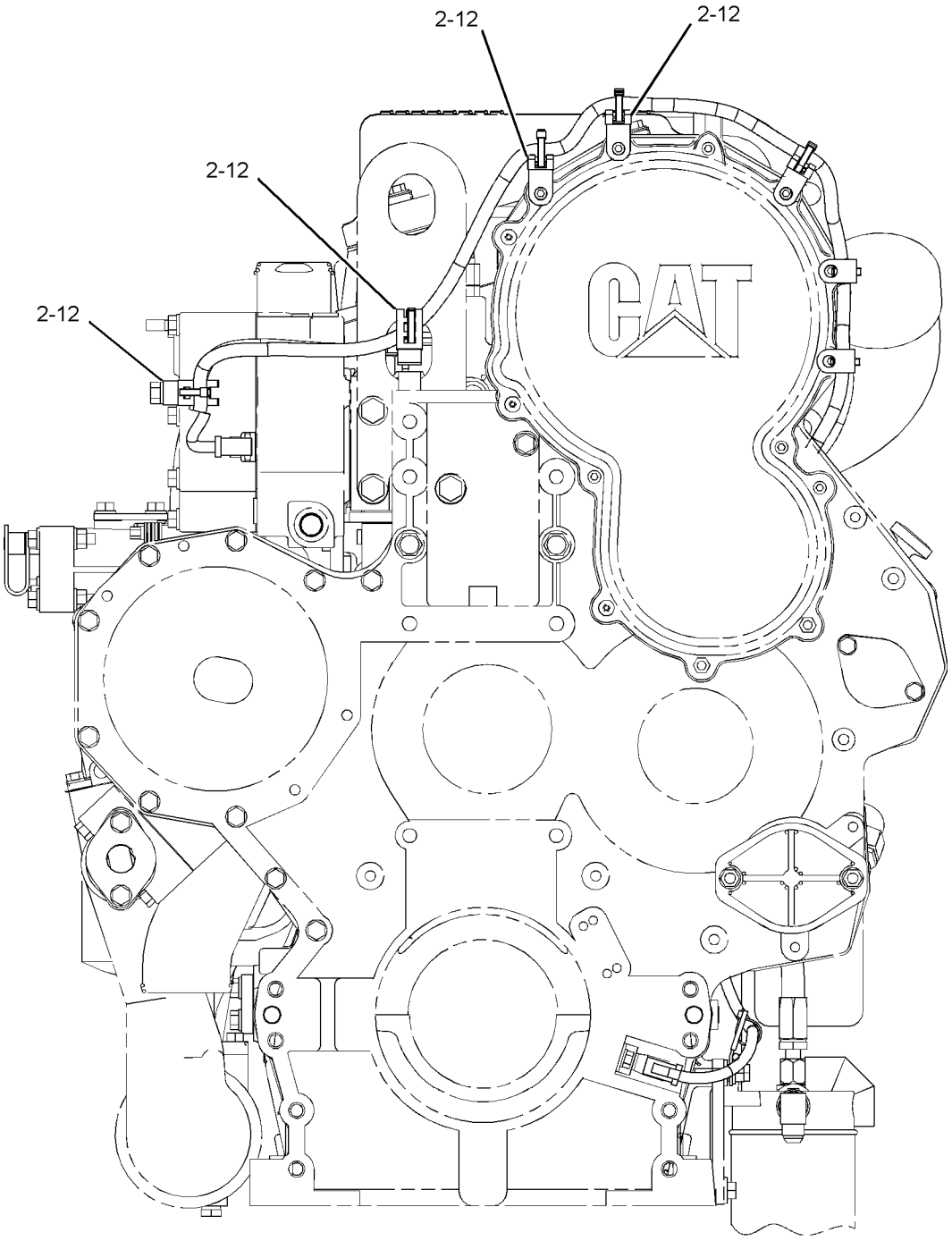


VIEW A-A

GRAPHIC #1

g01251414

237-4294 **WIRING GP-ENGINE** *(contd.)* **i02502649**



FRONT VIEW

GRAPHIC #2

<END>

g01080861

ELECTRICAL AND STARTING SYSTEM

263-7214 WIRING GP-ENGINE

AN ATTACHMENT

SMCS-1000, 1408 **i03352246**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	232-4609	1	CABLE AS	
			(POSITIVE BATTERY TO STARTER MOTOR)	
	1S-7251	1	TERMINAL-CABLE (OO-GA, 1/2-IN BOLT)	
BD	**5P-5621**		WIRE (12-GA)	
	8N-0869	1	COVER-TERMINAL (RED)	
	8N-1541	1	SOCKET-CONNECTOR (12-GA TO 14-GA)	
	8N-1725	1	COVER-TERMINAL (RED)	
	8L-8413	1	STRAP-CABLE	
	129-7163	1	PLUG AS-CONNECTOR (1-PIN)	
E	**159-8049**		CABLE (OO-GA, RED) (189-CM)	
	235-8105	1	TERMINAL AS-BATTERY	
	1M-6119	1	BOLT (5/16-18X1.375-IN)	
	1M-6120	1	NUT (5/16-18-THD)	
	232-4610	1	CABLE AS	
			(NEGATIVE BATTERY TO STARTER MOTOR)	
	1S-7251	1	TERMINAL-CABLE (OO-GA, 1/2-IN BOLT)	
BD	**5P-5621**		WIRE (12-GA)	
	7N-5274	1	COVER-TERMINAL (BLACK)	
	8L-8413	1	STRAP-CABLE	
	8N-1541	1	SOCKET-CONNECTOR (12-GA TO 14-GA)	
	9G-8909	1	COVER-TERMINAL (BLACK)	
	129-7163	1	PLUG AS-CONNECTOR (1-PIN)	
E	**159-8050**		CABLE (OO-GA, BLACK) (189-CM)	
	235-8106	1	TERMINAL AS-BATTERY	
	1M-6119	1	BOLT (5/16-18X1.375-IN)	
	1M-6120	1	NUT (5/16-18-THD)	
	235-5264	1	HARNESS AS-WIRING (BATTERY)	
			(BATTERY TO ECM OR GAGE PANEL)	
	102-8802	1	KIT-RECEPTACLE (2-PIN)	
			(INCLUDES RECEPTACLE AS AND WEDGE)	
	3E-3365	1	WEDGE-RECEPTACLE LOCK (2-PIN)	
	8N-1540	2	PIN-CONNECTOR (12-GA TO 14-GA)	
	9W-0852	2	PIN-CONNECTOR (14-GA)	
	129-7164	2	RECEPTACLE AS-CONNECTOR (1-PIN)	

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER

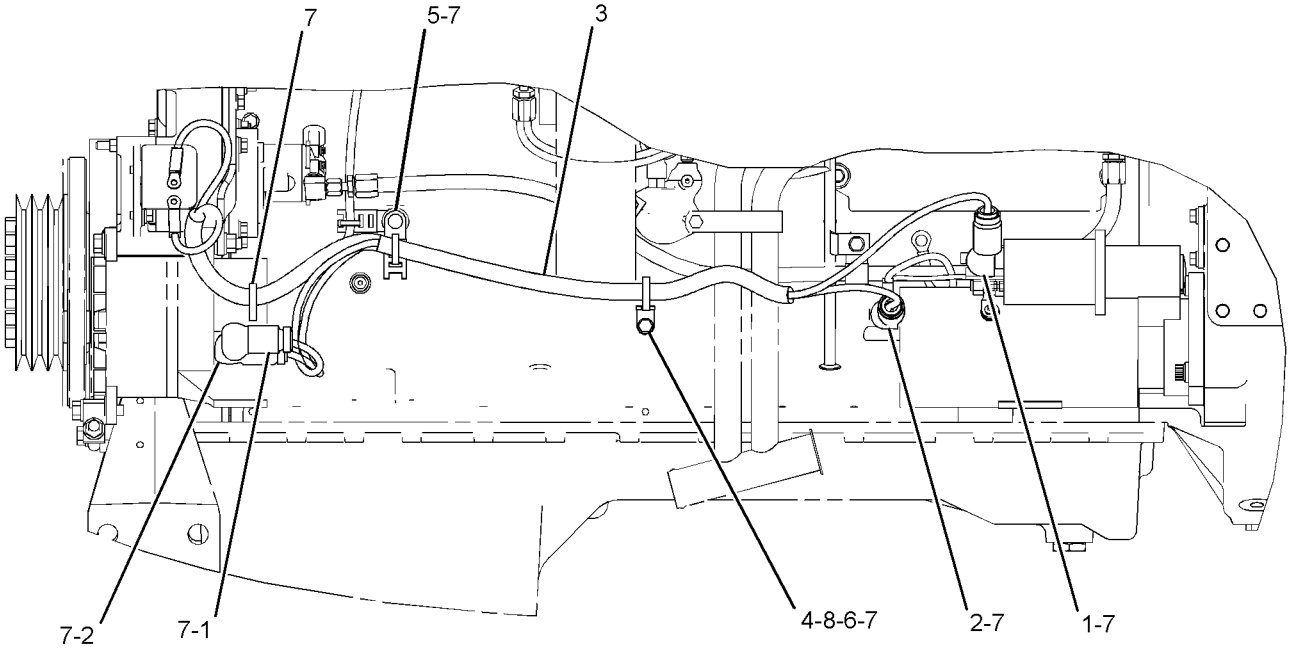
<END>

313-1355 WIRING GP-ENGINE ELECTRONIC

FOR USE WITH 24-VOLT SYSTEM, LEFT HAND ALTERNATOR MOUNTING, CIRCUIT BREAKER, LEFT HAND STARTER, AND ALTERNATOR UP TO 60-AMPERE. CANNOT BE USED WITH LOW MOUNT FUEL SYSTEM , LEFT HAND MOUNTED REMOTE OIL FILTERS AN ATTACHMENT

SMCS-1408, 1900 **i02864492**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-0869**	2	COVER-TERMINAL (RED)	
	2	1	**9G-8909**	2	COVER-TERMINAL (BLACK)	
	3	1	**313-1354**	1	HARNESS AS-POWER	
	4	1	**132-5789**	1	CLIP (LADDER)	
	5	1	**4P-7582**	1	CLIP (LADDER)	
	6	1	**5M-3062**	1	BOLT (3/8-16X0.75-IN)	
	7	1	**7K-1181**	7	STRAP-CABLE	
	8	1	**8T-4896**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	



LEFT SIDE VIEW OF ENGINE

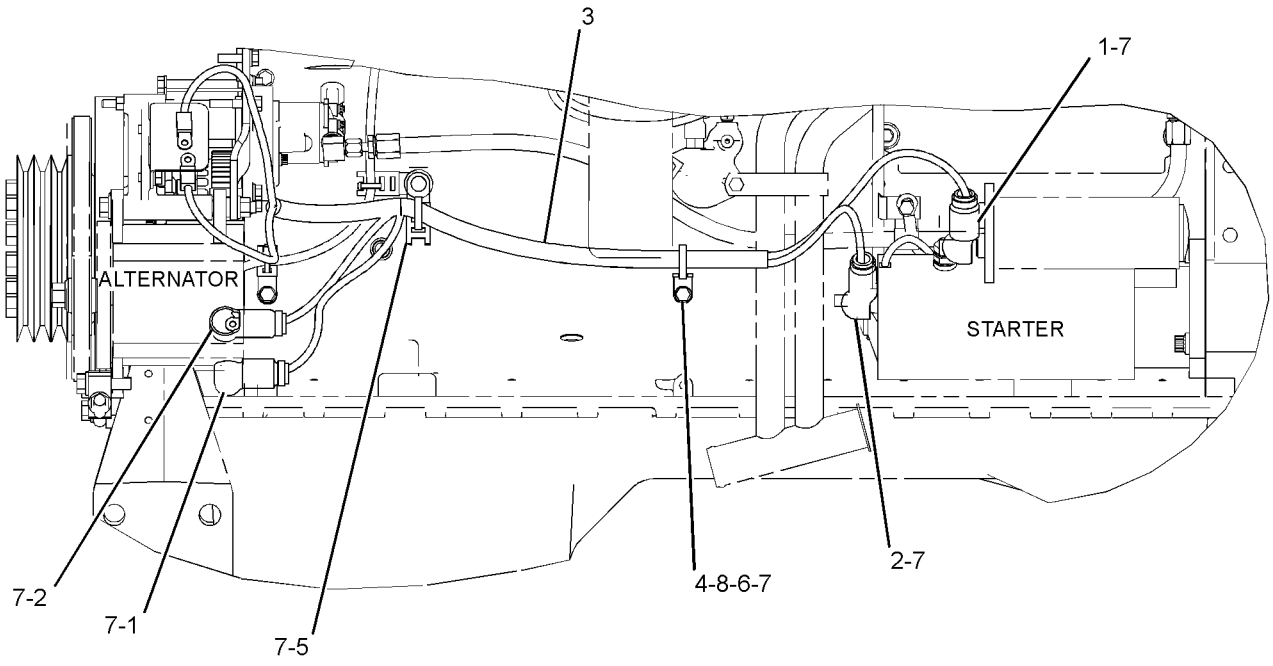
GRAPHIC #1 **<END>** g01427972

313-1357 WIRING GP-ENGINE ELECTRONIC

FOR USE WITH 24-VOLT SYSTEM, LEFT HAND ALTERNATOR MOUNTING, CIRCUIT BREAKER, LEFT HAND STARTER, AND ALTERNATOR UP TO 100-AMPERE. CANNOT BE USED WITH LOW MOUNT FUEL SYSTEM, LEFT HAND MOUNTED REMOTE OIL FILTERS AN ATTACHMENT

SMCS-1408, 1900 **i02864491**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-0869**	2	COVER-TERMINAL (RED)	
	2	1	**9G-8909**	2	COVER-TERMINAL (BLACK)	
	3	1	**313-1356**	1	HARNESS AS-POWER	
	4	1	**132-5789**	1	CLIP (LADDER)	
	5	1	**4P-7582**	1	CLIP (LADDER)	
	6	1	**5M-3062**	1	BOLT (3/8-16X0.75-IN)	
	7	1	**7K-1181**	6	STRAP-CABLE	
	8	1	**8T-4896**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	



LEFT SIDE VIEW OF ENGINE

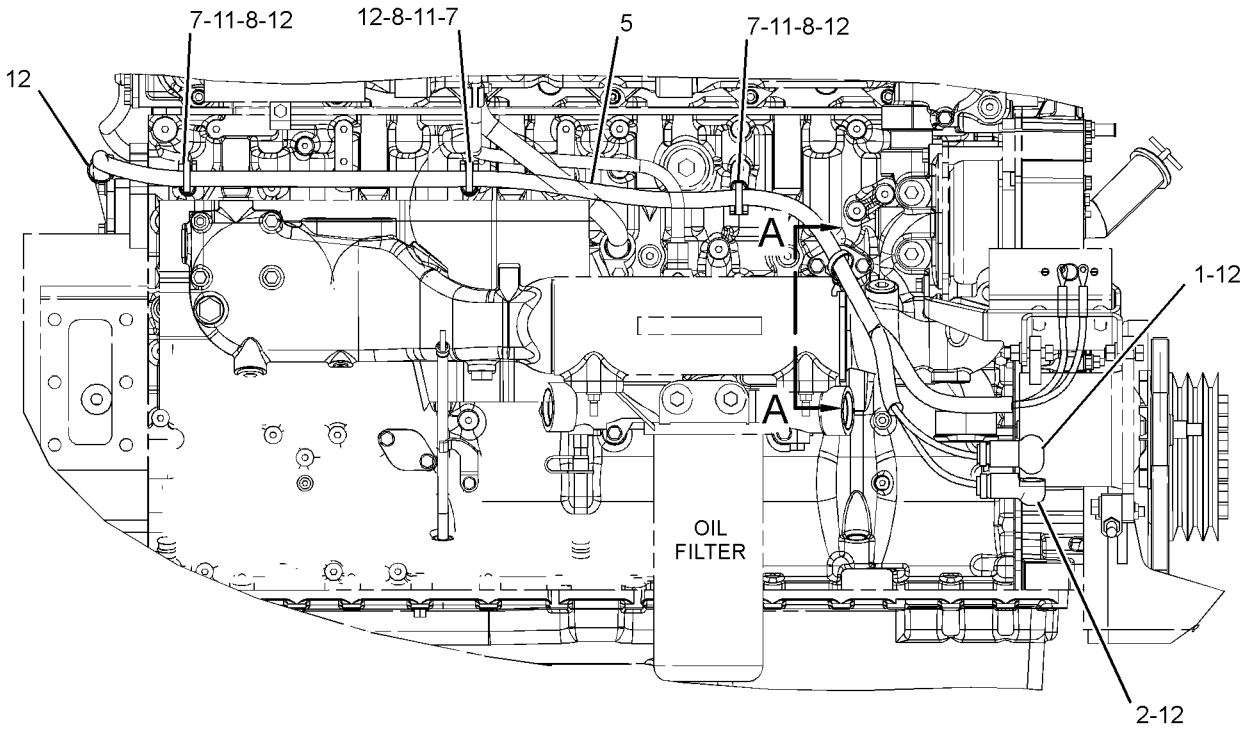
GRAPHIC #1 **<END>** g01427850

313-1359 WIRING GP-ENGINE ELECTRONIC

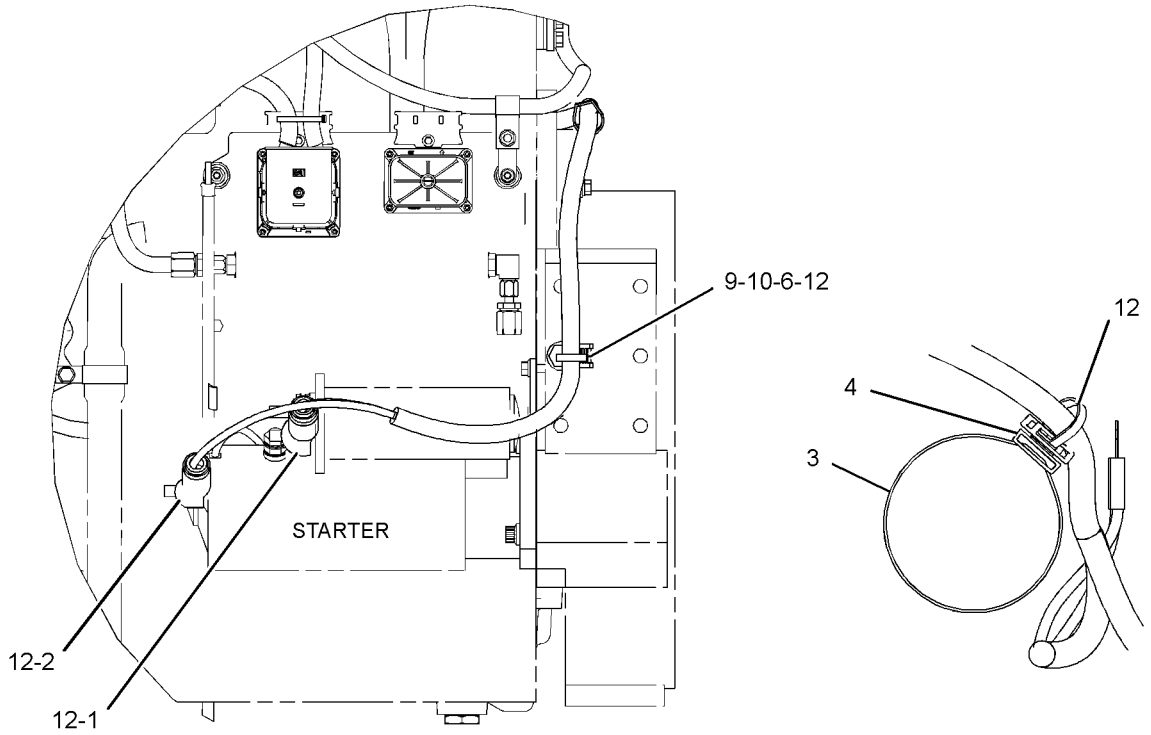
FOR USE WITH 135-7634—PAGE 250, 24-VOLT SYSTEM, RIGHT HAND ALTERNATOR MOUNTING, CIRCUIT BREAKER, LEFT HAND STARTER, AND ALTERNATOR UP TO 60-AMPERE AN ATTACHMENT

SMCS-1408, 1900 **i02864461**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-0869**	2	COVER-TERMINAL (RED)	
	2	1	**9G-8909**	2	COVER-TERMINAL (BLACK)	
	3	1	**110-8760**	1	STRAP	
	4	1	**200-6345**	1	MOUNT (DUAL SWIVEL)	
	5	1	**313-1358**	1	HARNESS AS-POWER	
	6	1	**104-6202**	1	CLIP (LADDER)	
	7	1	**4P-8134**	3	CLIP (LADDER)	
	8	1	**5M-3062**	3	BOLT (3/8-16X0.75-IN)	
	9	1	**7X-0342**	1	BOLT (5/8-11X0.75-IN)	
	10	1	**8T-4122**	1	WASHER-HARD (17X32X3.5-MM THK)	
	11	1	**8T-4896**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	12	1	**7K-1181**	10	STRAP-CABLE	



RIGHT SIDE VIEW OF ENGINE



VIEW A-A

LEFT SIDE VIEW OF ENGINE

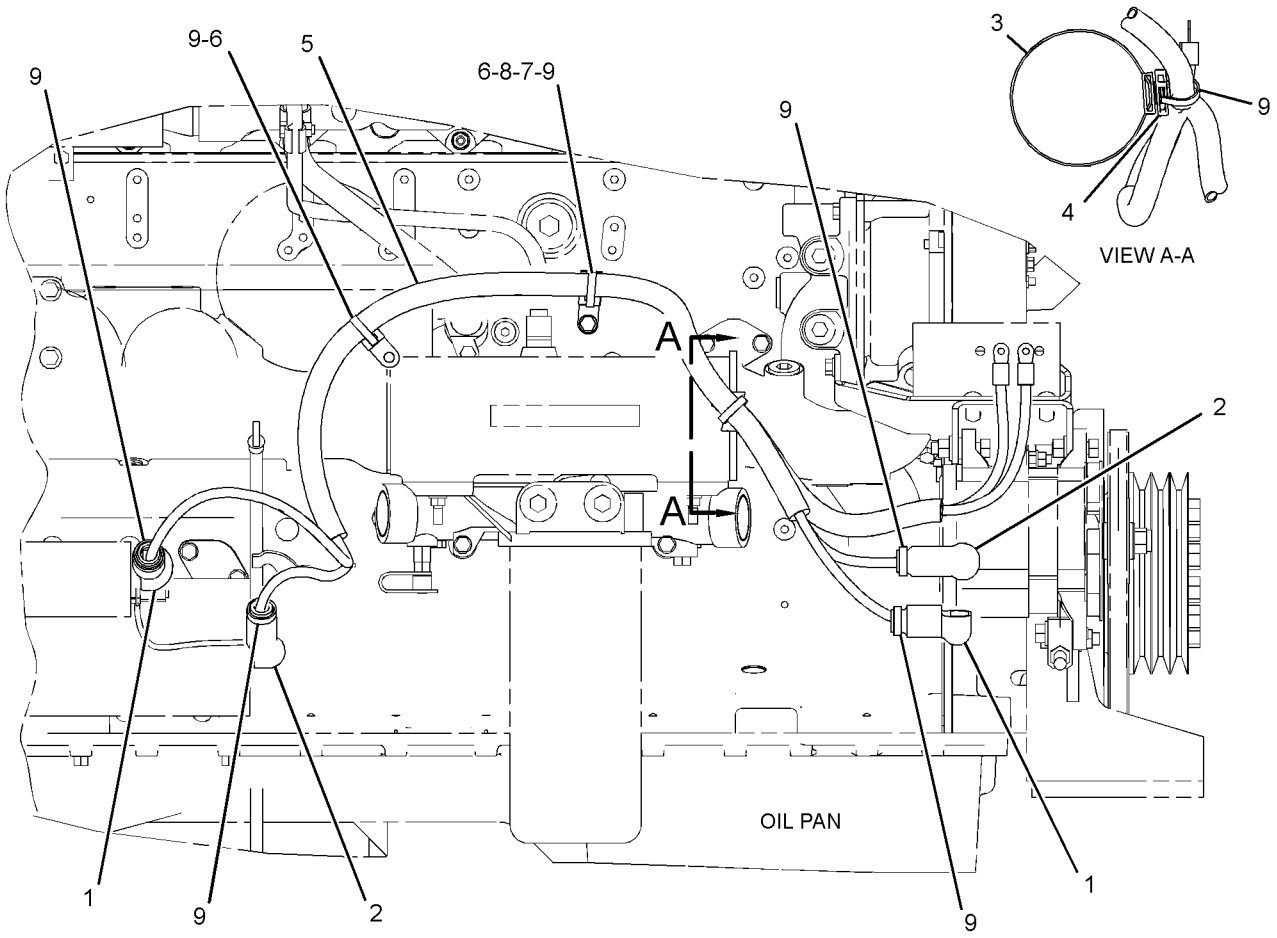
GRAPHIC #1 **<END>** g01427841

313-1361 WIRING GP-ENGINE ELECTRONIC

FOR USE WITH 24-VOLT SYSTEM, THE FOLLOWING RIGHT HAND, ALTERNATOR MOUNTING, STARTER, CIRCUIT BREAKER, AND ALTERNATOR UP TO 100-AMPERE AN ATTACHMENT

SMCS-1408, 1900 **i02864460**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8N-0869**	2	COVER-TERMINAL (RED)	
	2	1	**9G-8909**	2	COVER-TERMINAL (BLACK)	
	3	1	**110-8760**	1	STRAP	
	4	1	**200-6345**	1	MOUNT (DUAL SWIVEL)	
	5	1	**313-1360**	1	HARNESS AS-POWER	
	6	1	**4P-7581**	2	CLIP (LADDER)	
	7	1	**5M-3062**	1	BOLT (3/8-16X0.75-IN)	
	8	1	**8T-4896**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	9	1	**7K-1181**	7	STRAP-CABLE	



RIGHT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01428212

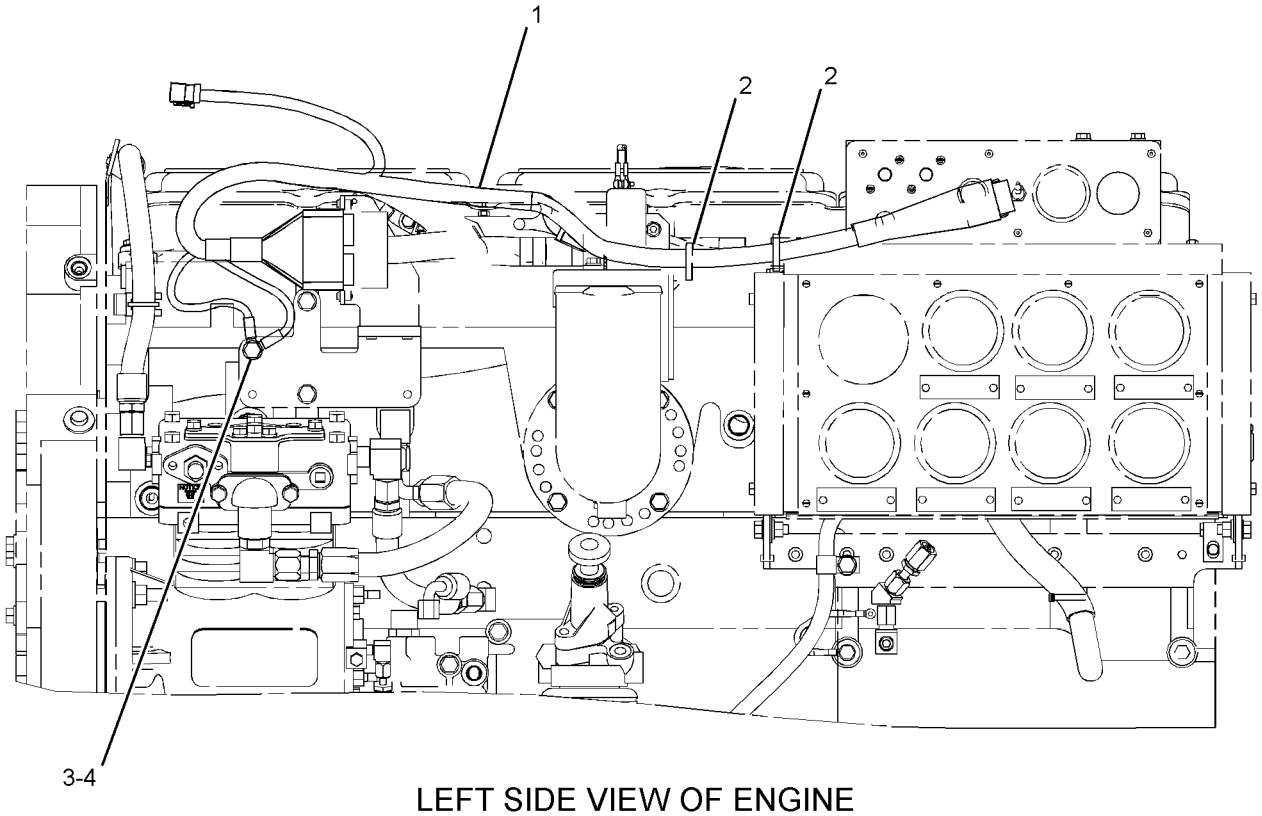
194-4754 WIRING GP-SENSOR–CONTROL PANEL

REQUIRES ENGINE CONTROL AND ADEM III ECM
AN ATTACHMENT

SMCS-1408, 1900 **i03472902**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**194-4613**	1	HARNESS AS-WIRING (CONTROL PANEL)	
		1	**8T-9834**	1	PLUG AS-CONNECTOR (40-PIN)	
		1	**3E-4367**	1	RING-RETAINING	
M		1	**3E-8557**	1	BOLT (M5X0.8X39.37-MM)	
		1	**9X-3132**	2	SEAL-CONNECTOR (40-PIN)	
		1	**155-2255**	1	KIT-CONNECTING PLUG (12-PIN) (WIRING HARNESS)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**155-2260**	1	KIT-CONNECTING PLUG (3-PIN) (WIRING HARNESS)	
					(INCLUDES PLUG AS AND WEDGE)	
		1	**155-2270**	1	KIT-CONNECTING PLUG (2-PIN) (WIRING HARNESS)	
					(INCLUDES PLUG AS AND WEDGE)	
	2	1	**1S-9593**	2	STRAP-CABLE	
	3	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	4	1	**0S-0509**	1	BOLT (3/8-16X0.75-IN)	

M-METRIC PART



LEFT SIDE VIEW OF ENGINE

GRAPHIC #1 **<END>** g01904757

257-4183 WIRING GP-UNIT INJECTOR

FOR USE AS SERVICE REPAIR FOR INJECTOR HARNESSES WITH THE 7E-6513 CONNECTOR
FIELD INSTALLATION

SMCS-1290, 1408, 1900 **i02231604**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
			(NO SERVICED PARTS)	

<END>

HYDRAULIC SYSTEM

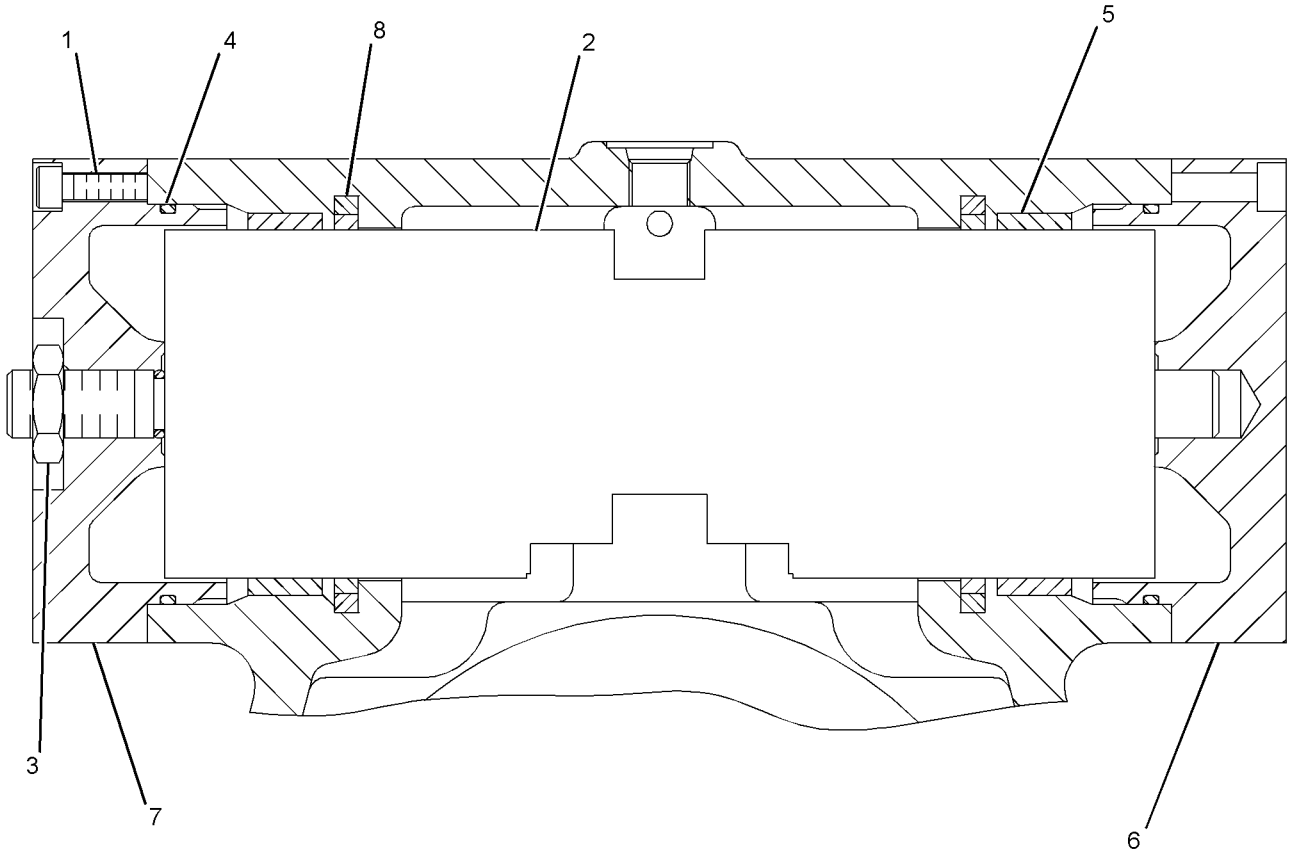
196-4233 ACTUATOR GP-PUMP

PART OF 297-8255 PUMP GP-HYDRAULIC, 297-8252 PUMP GP-PISTON
AN ATTACHMENT

SMCS-5070, 5078 **i02694701**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**8T-0269**	8	BOLT-SOCKET HEAD (M6X1X20-MM)	
C	2	1	**287-4563**	1	ACTUATOR GP-PUMP	
		1	**095-0939**	2	RING-RETAINING	
		1	**161-6154**	1	SEAL-O-RING	
		1	**188-7800**	2	RING	
CM	3	1	**160-8499**	1	NUT (M12X1.5-THD)	
	4	1	**004-1964**	2	SEAL-O-RING	
	5	1	**188-7790**	2	RING-GUIDE	
	6	1	**188-7569**	1	COVER	
	7	1	**188-7568**	1	COVER	
	8	1	**188-7791**	2	RING	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART



GRAPHIC #1 **<END>** g01353616

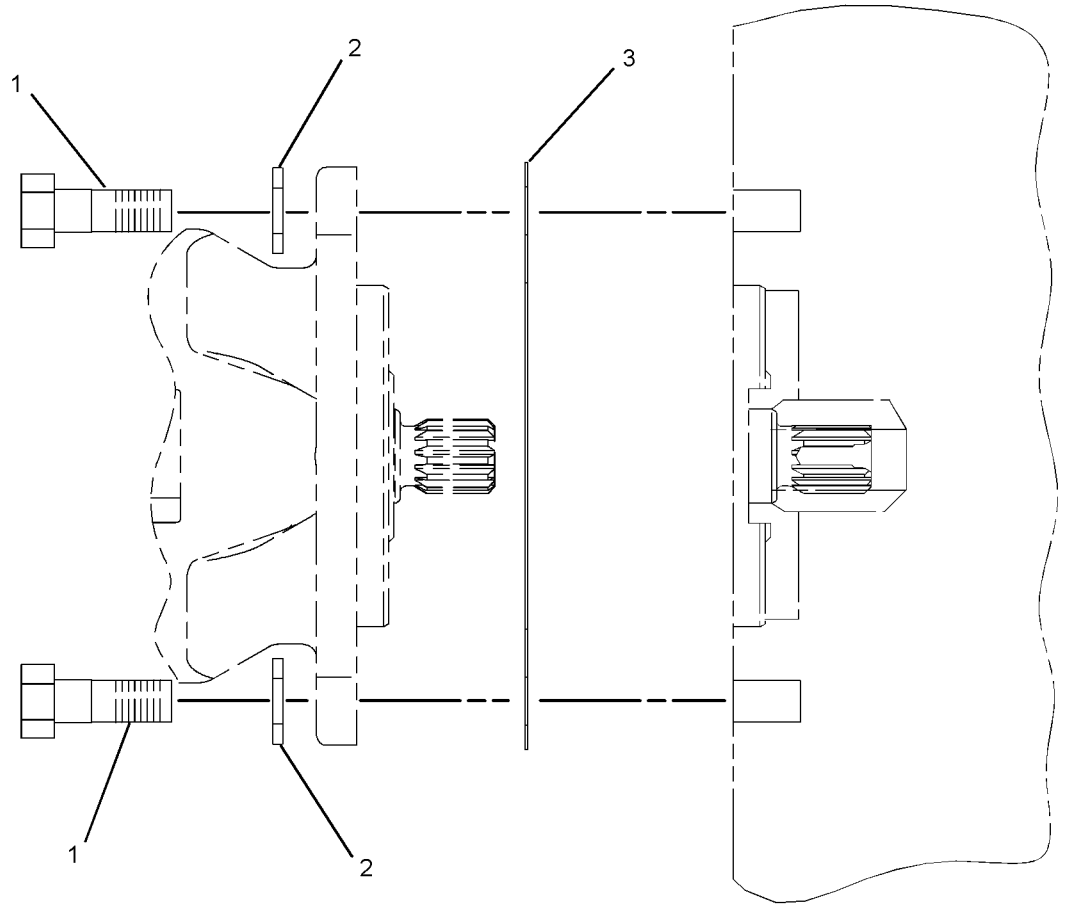
HYDRAULIC SYSTEM

299-8950 MOUNTING GP-PUMP

PART OF 299-8969, 299-8970, 299-8971 PUMP & MTG GP-HYDRAULIC
AN ATTACHMENT

SMCS-5073 **i02899304**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7B-3235**	2	BOLT (1/2-13X1.375-IN)	
	2	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	3	1	**9H-8872**	1	GASKET	



GRAPHIC #1 **<END>** g01443651

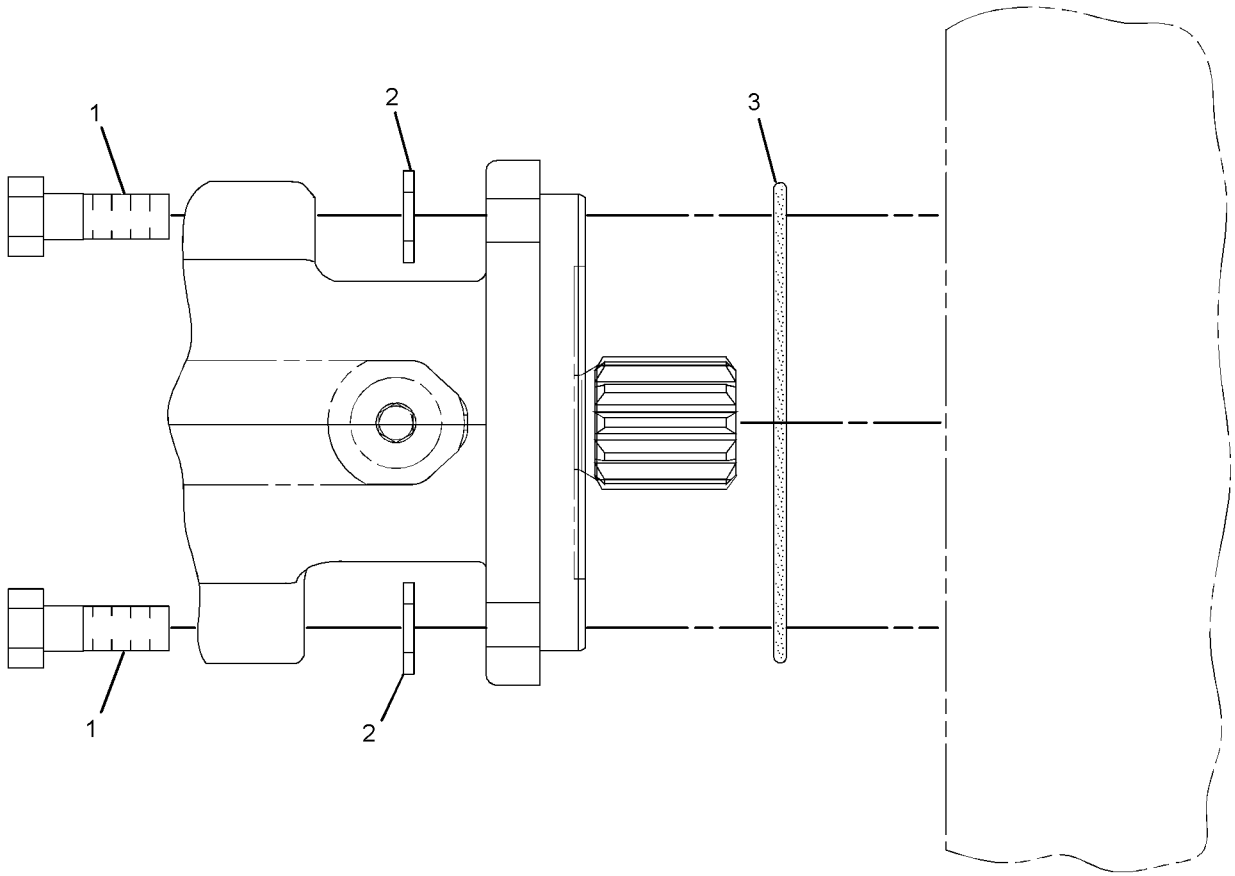
HYDRAULIC SYSTEM

299-8951 MOUNTING GP-PUMP

PART OF 299-8962, 299-8963, 299-8964, 299-8975, 299-8976, 299-8977 PUMP & MTG GP-HYDRAULIC
AN ATTACHMENT

SMCS-5073 **i03213699**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7B-3235**	4	BOLT (1/2-13X1.375-IN)	
	2	1	**5P-8245**	4	WASHER-HARD (13.5X25.5X3-MM THK)	
	3	1	**5F-3106**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g01640570

HYDRAULIC SYSTEM

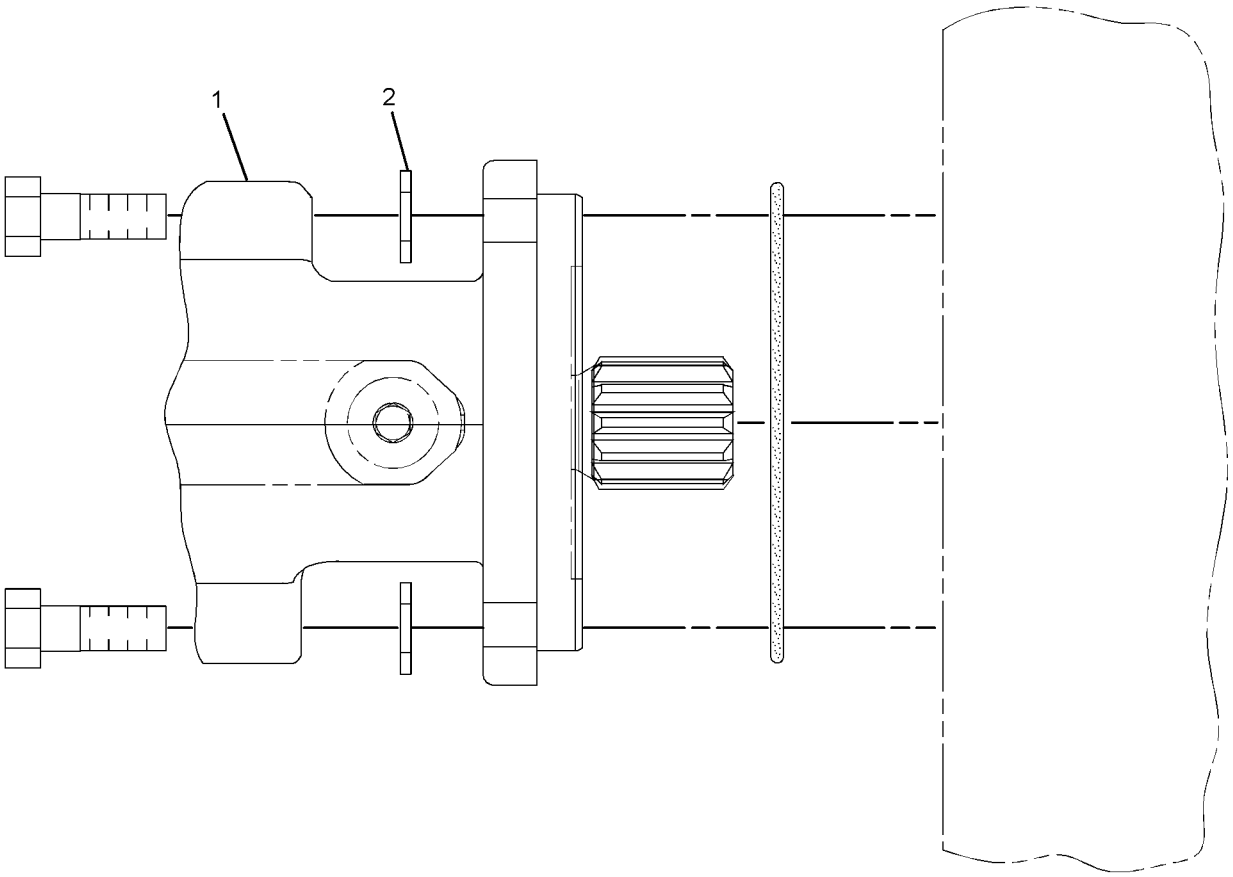
299-8962 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i03213833**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-6999**	1	PUMP GP-HYDRAULIC	997
Y	2	1	*299-8951*	1	MOUNTING GP-PUMP	986

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01641547

HYDRAULIC SYSTEM

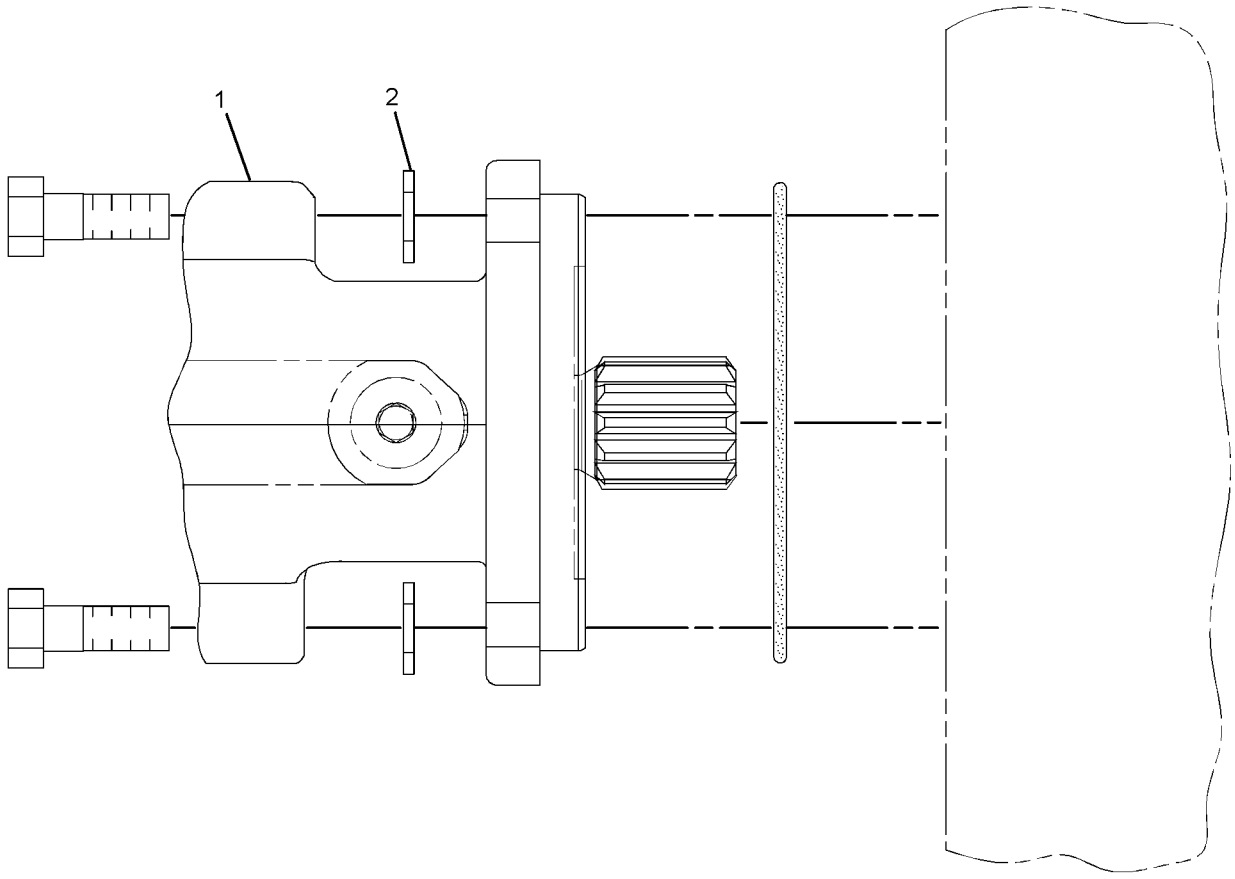
299-8963 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i03213834**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-8255**	1	PUMP GP-HYDRAULIC	1004
Y	2	1	*299-8951*	1	MOUNTING GP-PUMP	986

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01641547

HYDRAULIC SYSTEM

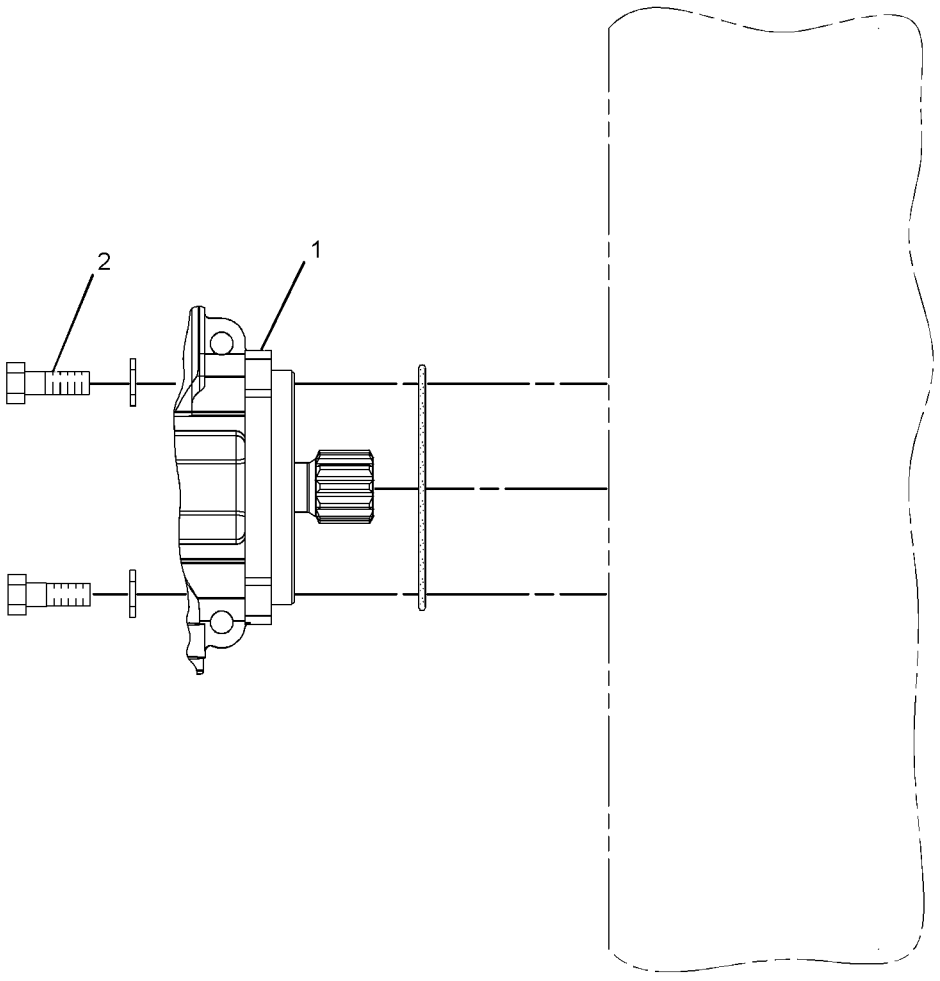
299-8964 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i03213835**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-8160**	1	PUMP GP-HYDRAULIC	999
Y	2	1	*299-8951*	1	MOUNTING GP-PUMP	986

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01641736

HYDRAULIC SYSTEM

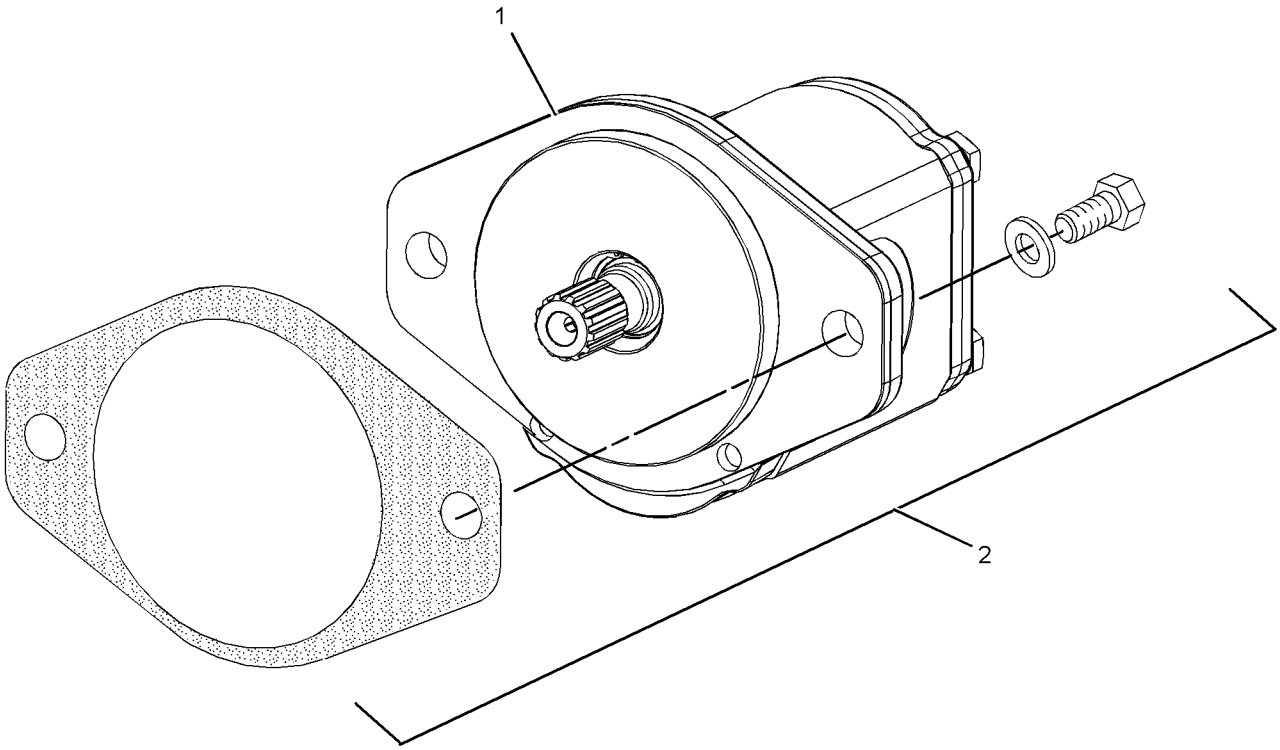
299-8969 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02728924**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-6788**	1	PUMP GP-GEAR	375
Y	2	1	*299-8950*	1	MOUNTING GP-PUMP	985

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01372416

HYDRAULIC SYSTEM

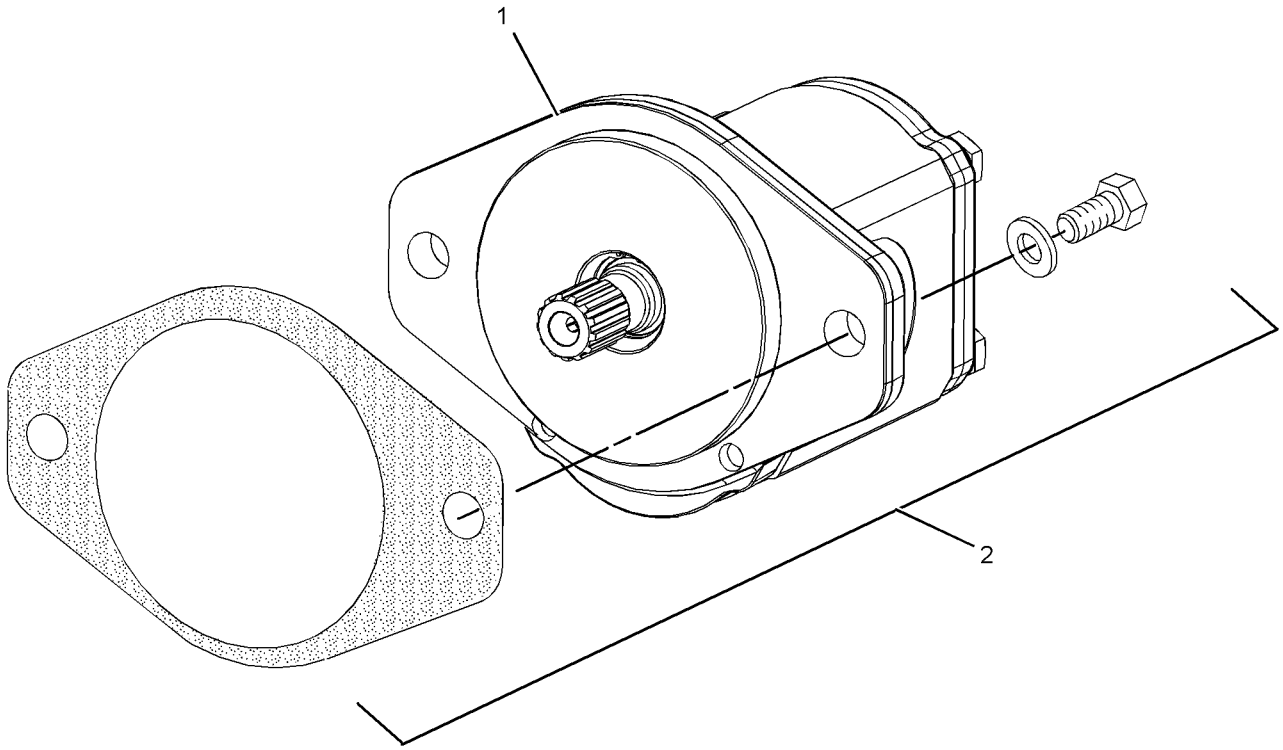
299-8970 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02728936**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-6789**	1	PUMP GP-GEAR	376
Y	2	1	*299-8950*	1	MOUNTING GP-PUMP	985

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01372416

HYDRAULIC SYSTEM

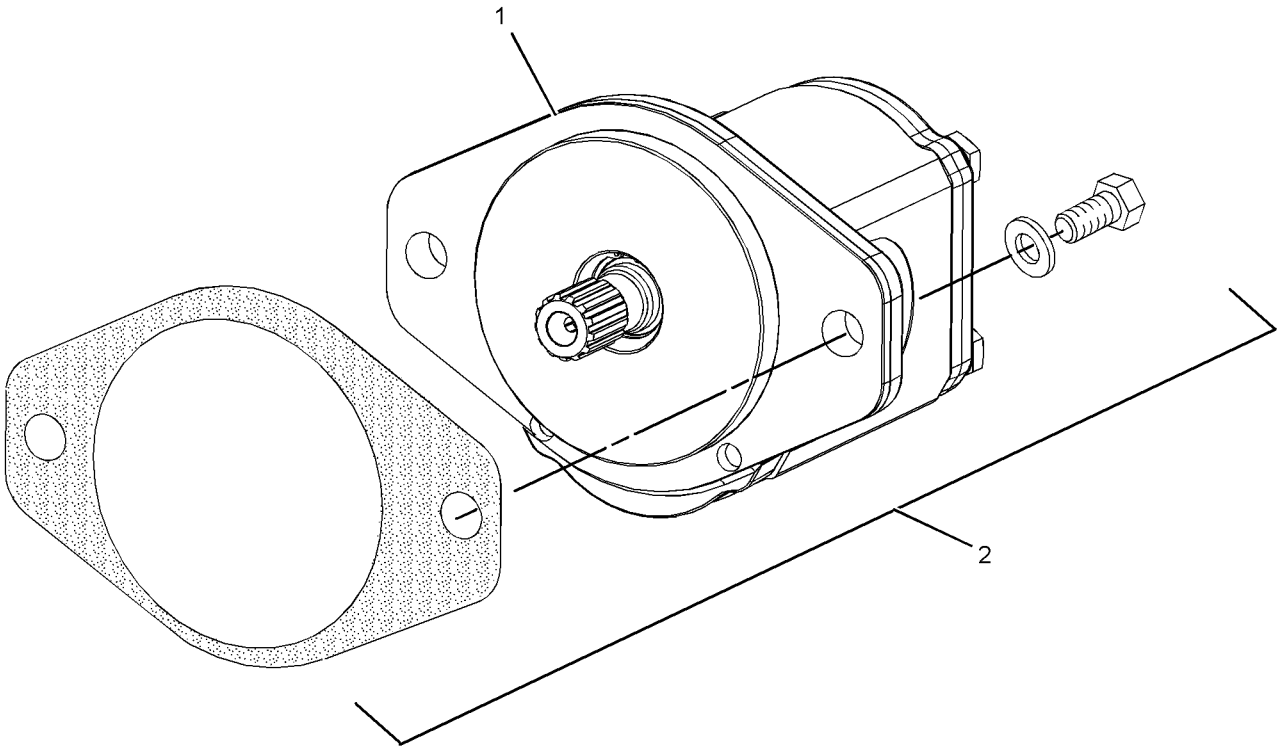
299-8971 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02728949**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-6792**	1	PUMP GP-GEAR	377
Y	2	1	*299-8950*	1	MOUNTING GP-PUMP	985

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01372416

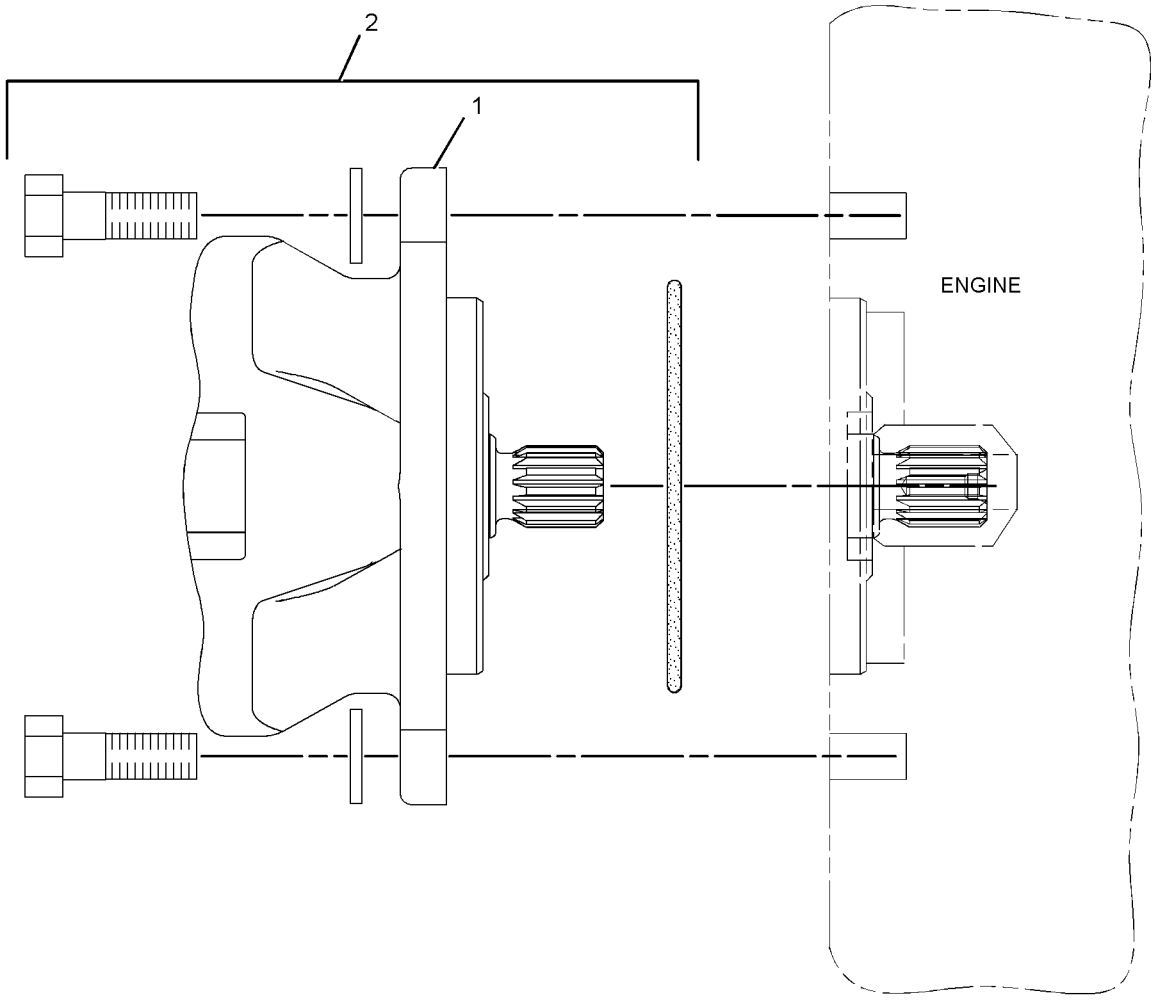
299-8973 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02763738**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**297-6993**	1	PUMP GP-HYDRAULIC	
Y	2	1	*299-8952*	1	MOUNTING GP-PUMP	1026

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01386233

HYDRAULIC SYSTEM

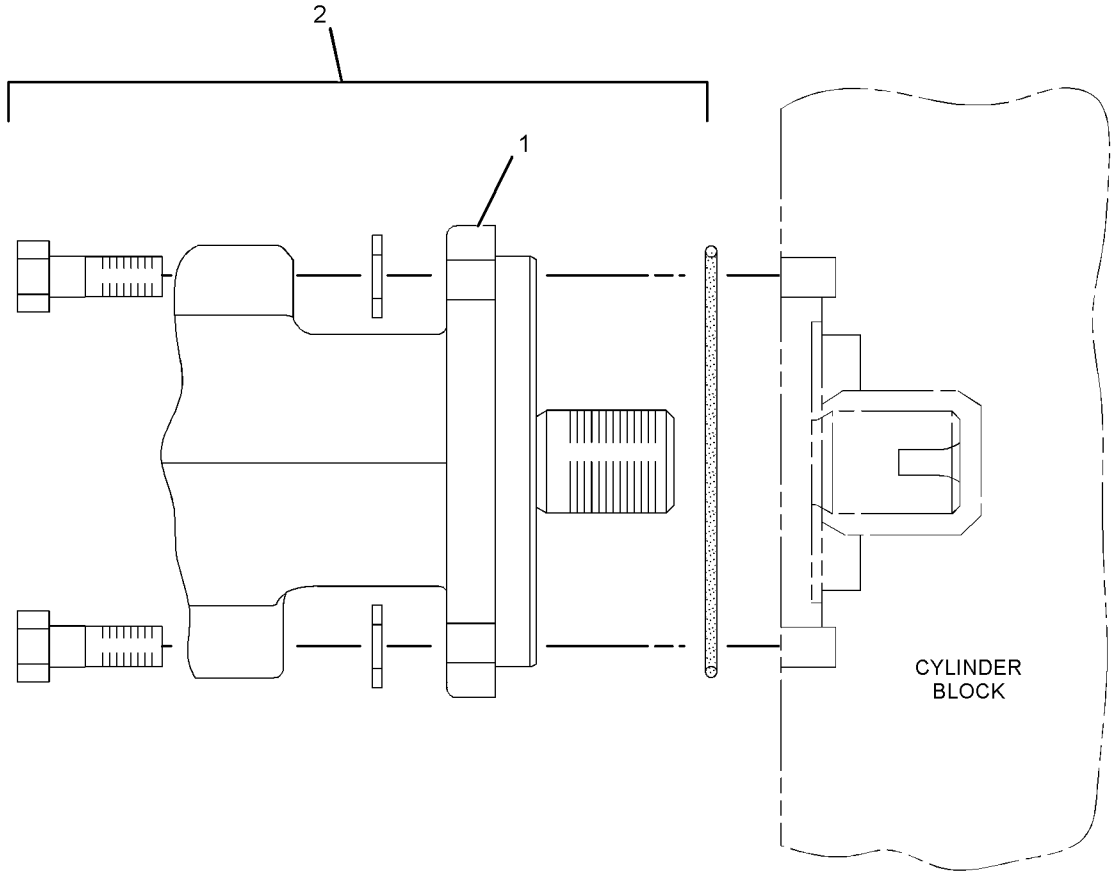
299-8975 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i02763810**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**297-6998**	1	PUMP GP-PISTON	
Y	2	1	*299-8951*	1	MOUNTING GP-PUMP	986

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01387357

HYDRAULIC SYSTEM

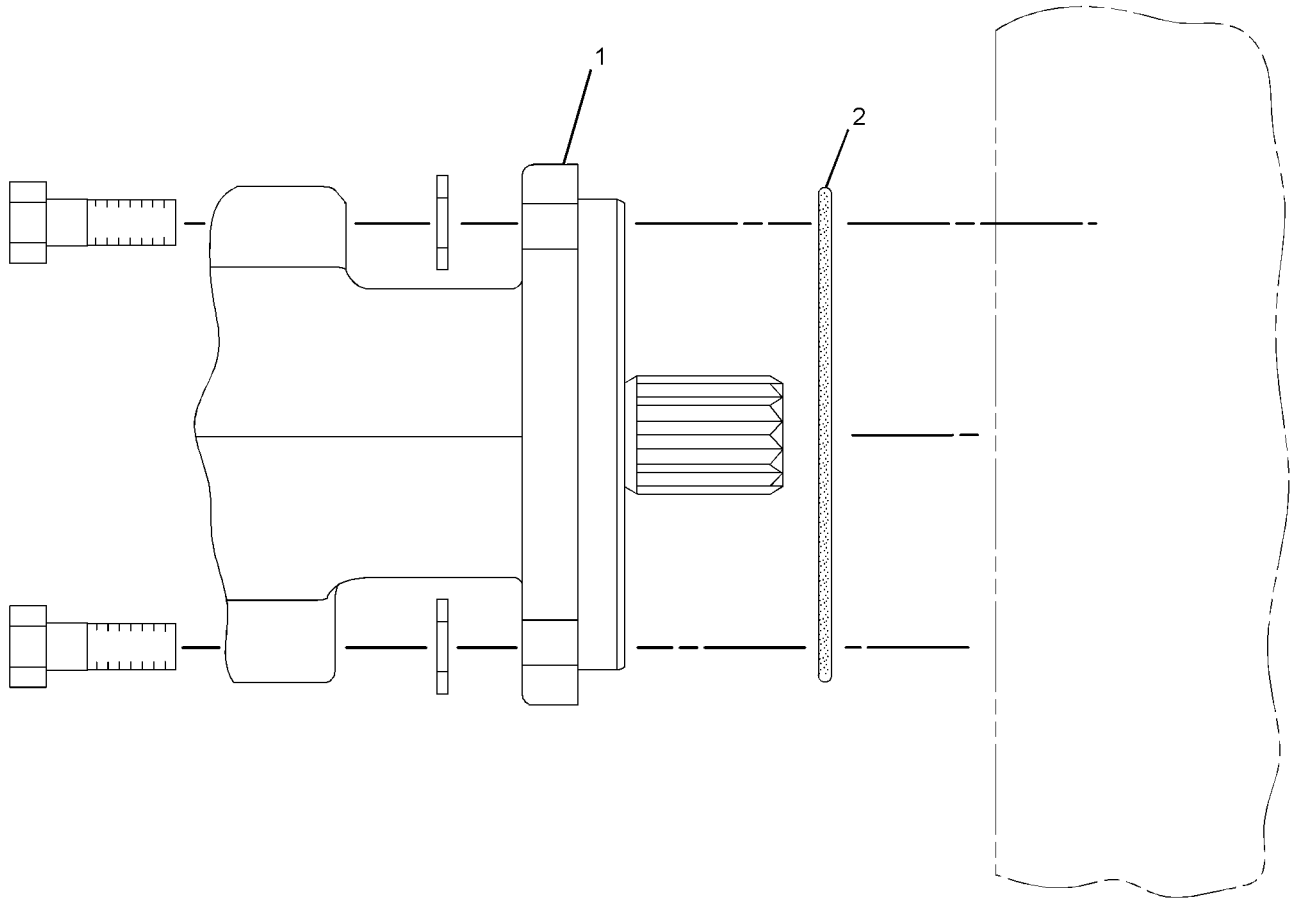
299-8976 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i03213427**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-8252**	1	PUMP GP-PISTON	1014
Y	2	1	*299-8951*	1	MOUNTING GP-PUMP	986

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01640433

HYDRAULIC SYSTEM

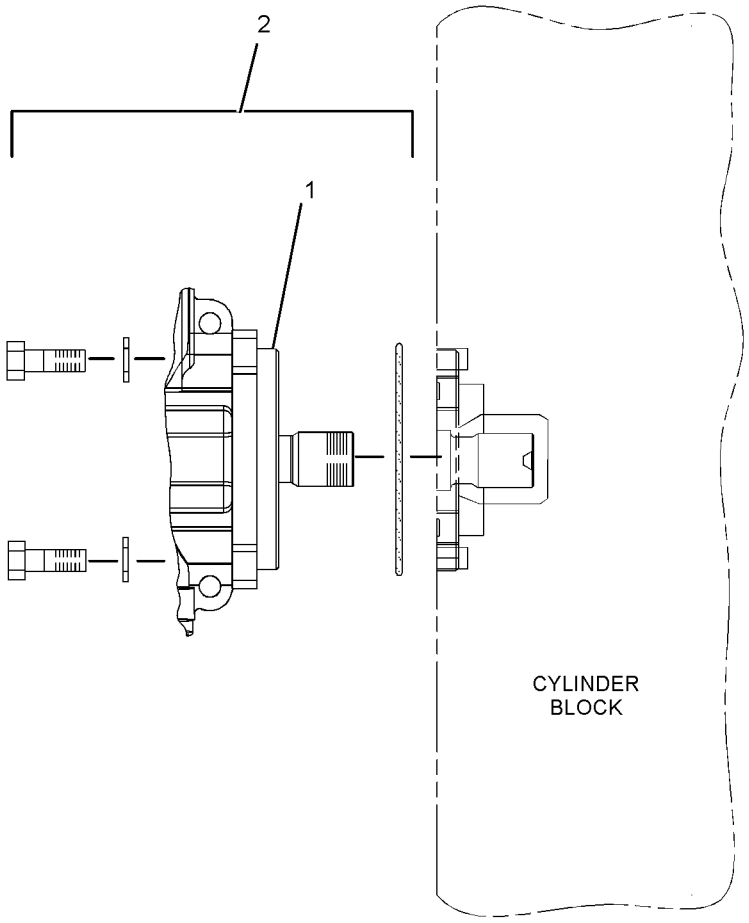
299-8977 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073 **i03185660**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**297-8164**	1	PUMP GP-PISTON	1010
Y	2	1	*299-8951*	1	MOUNTING GP-PUMP	986

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01387215

HYDRAULIC SYSTEM

297-6999 PUMP GP-HYDRAULIC

PART OF 299-8962 PUMP & MTG GP-HYDRAULIC

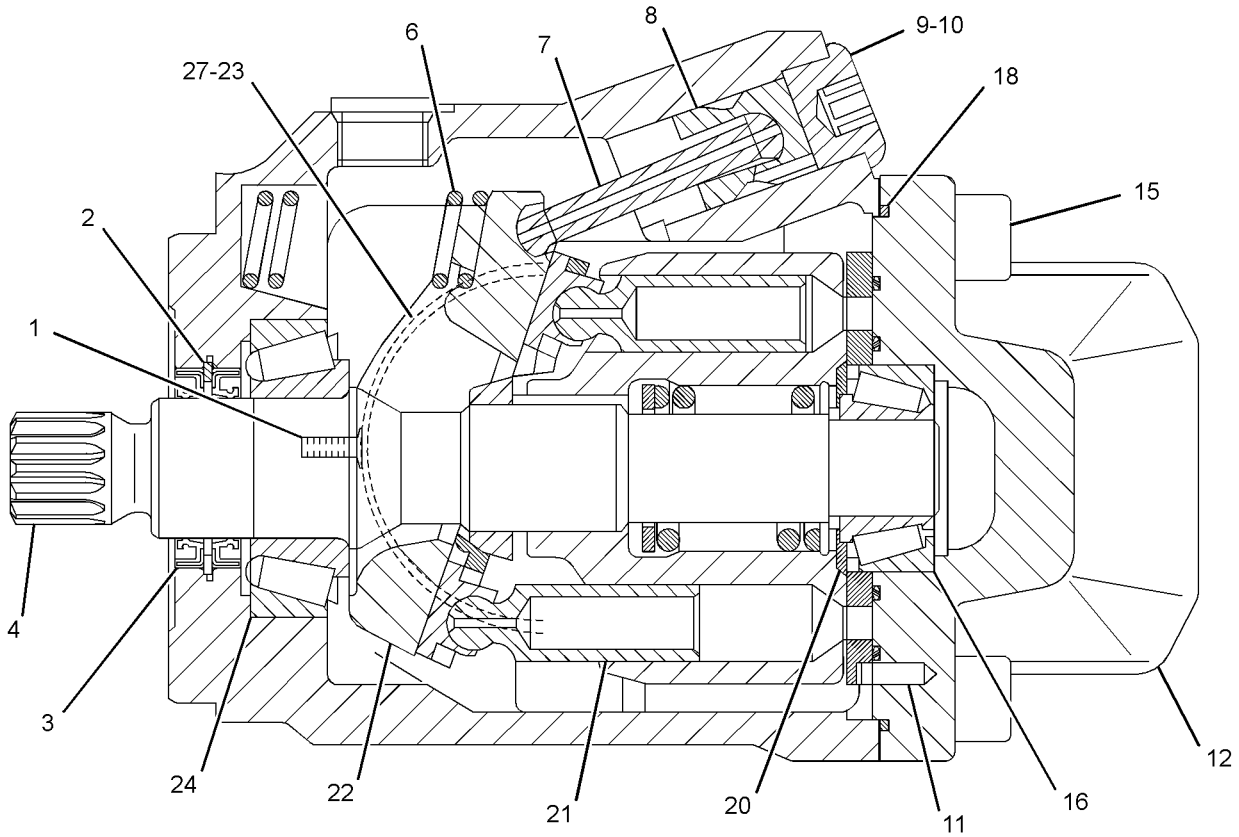
AN ATTACHMENT

SMCS-5055, 5070, 5073, 5083, 5084 **i02996124**

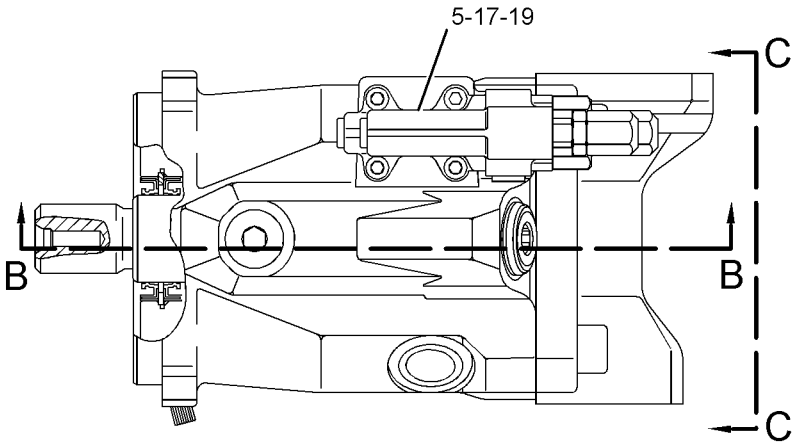
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**6R-7943**	2	SCREW (M5X0.8X15-MM)	
	2	1	**180-6213**	1	RING-RETAINING	
	3	1	**168-7319**	2	SEAL-SHAFT	
	4	1	**197-2850**	1	SHAFT	
Y	5	1	**285-5240**	1	VALVE GP-PUMP CONTROL (PRESSURE, FLOW COMPENSATOR)	1021
	6	1	**168-2197**	1	SPRING	
	7	1	**168-2198**	1	LINK-CONTROL	
	8	1	**174-9994**	1	PISTON-CONTROL	
	9	1	**313-1402**	1	PLUG-CONTROL	
	10	1	**8T-7525**	1	SEAL-O-RING	
	11	1	**9X-8979**	1	DOWEL	
	12	1	**120-4394**	2	PLUG-BREAK OFF	
	13	1	**168-3504**	2	SEAL	
M	15	1	**104-8085**	4	BOLT-SOCKET HEAD	
	16	1	**185-0296**	1	BEARING	
	17	1	**280-7870**	1	GASKET	
	18	1	**192-7470**	1	SEAL-O-RING	
M	19	1	**8T-8442**	4	BOLT-SOCKET HEAD (M6X1X30-MM)	
	20	1	**168-2203**	1	SHIM-SHAFT	
Y	21	1	**197-2849**	1	ROTATING GP-PUMP	1016
	22	1	**168-7317**	1	SWASHPLATE-PUMP	
	23	1	**282-0919**	1	BEARING-CRADLE	
	24	1	**185-0295**	1	BEARING	
	25	1	**9S-8002**	1	PLUG-O-RING	
	26	1	**3J-7354**	1	SEAL-O-RING	
	27	1	**282-0918**	1	BEARING-CRADLE	

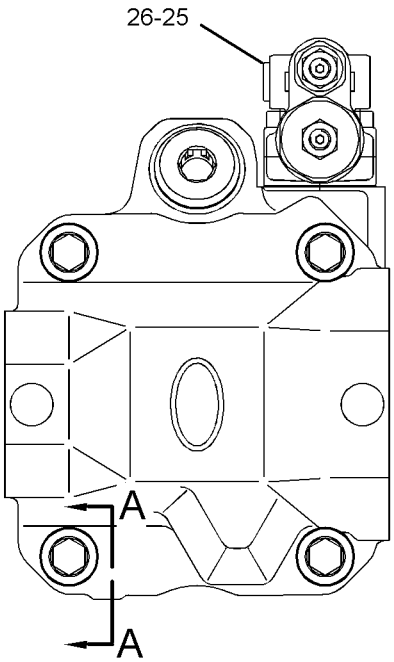
M-METRIC PART
Y-SEPARATE ILLUSTRATION

297-6999 PUMP GP-HYDRAULIC *(contd.)* i02996124

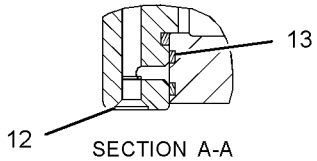


SECTION B-B





VIEW C-C



SECTION A-A

GRAPHIC #1 **<END>** g01458114

HYDRAULIC SYSTEM

297-8160 PUMP GP-HYDRAULIC

PART OF 299-8964 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5055, 5070, 5073, 5083, 5084 **i03642506**

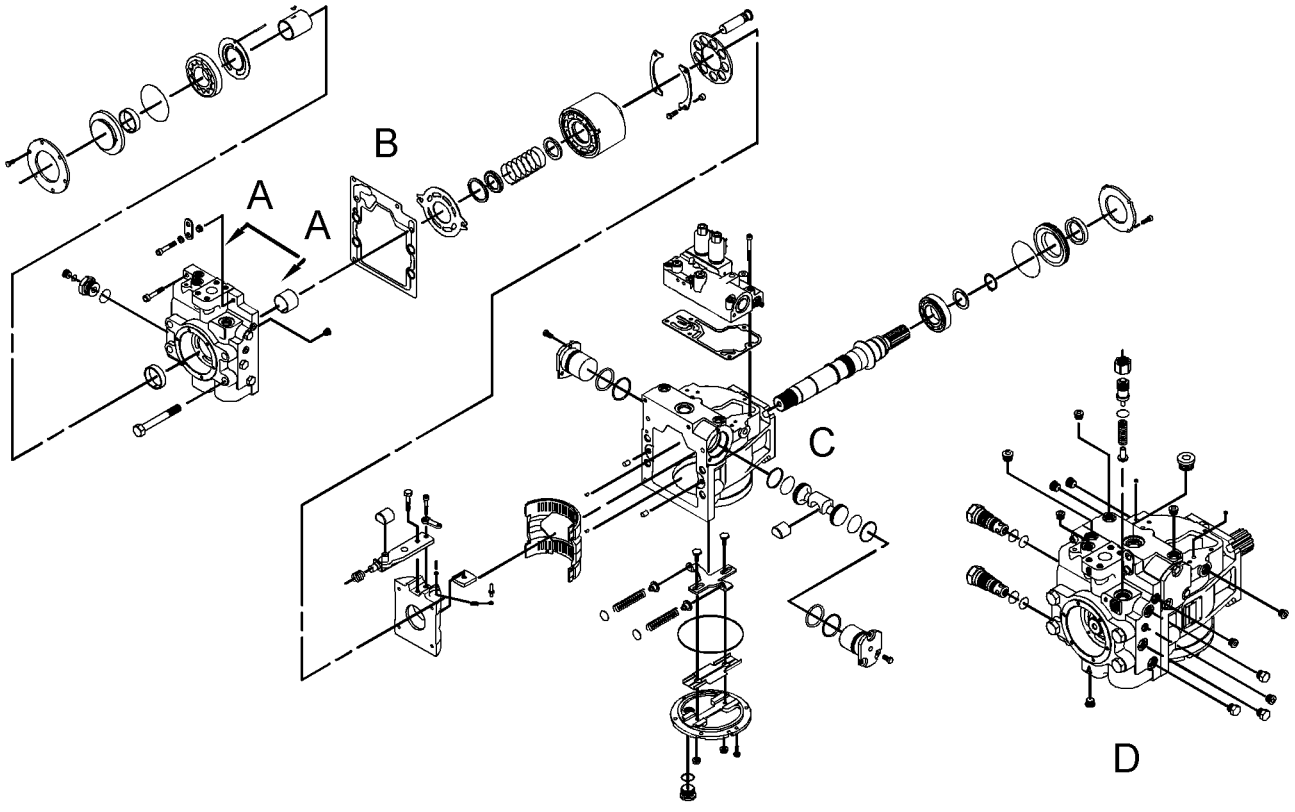
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**1G-9196**	1	PIN	
	2	2	**7R-3453**	1	KEY-WOODRUFF	
M	3	2	**8T-0338**	2	BOLT-SOCKET HEAD (M8X1.25X45-MM)	
	4	2	**5E-8743**	2	BUSHING-TERMINAL	
J	5	2	**5E-8769**	1	SEAL-O-RING	
	6	4	**5E-8751**	2	KIT-VALVE (PISTON PUMP)	
					(EACH INCLUDES INSTRUCTIONS & VALVE AS)	
	7	2	**108-8537**	1	PUMP GP-GEROTOR (CHARGE)	
	8	2,4	**9S-8004**	8	PLUG	
J	9	2,4	**3J-1907**	11	SEAL-O-RING	
J	10	4	**7X-9232**	3	PLUG-VENT (PISTON PUMP)	
	11	2	**098-3039**	1	WASHER (8.33X15X2.12-MM THK)	
	12	2	**126-6640**	1	BRACKET-LIFTING	
	13	3	**1G-9175**	1	KIT-BEARING	
					(INCLUDES BEARINGS)	
	14	4	**7R-3825**	1	KIT-RELIEF VALVE (PISTON PUMP)	
					(INCLUDES SPRING, NUT-SPECIAL, POPPET, PLUG AS & SEAL-O-RING)	
	15	2	**5E-8777**	2	PLUG	
	16	2	**5E-8747**	2	VALVE-CHECK	
	17	2	**134-1827**	1	SPACER	
	18	2	**1G-9193**	1	BEARING-JOURNAL	
	19	2	**145-6892**	1	PLATE-VALVE	
	20	2	**7R-3394**	1	FITTING	
J	21	3	**1G-9187**	1	SEAL-LIP TYPE	
	22	4	**9S-4191**	3	PLUG-O-RING	
J	23	2	**126-6638**	1	GASKET-END CAP	
	24	3	**1G-9176**	1	KIT-PUMP REPAIR (PISTON PUMP)	
					(INCLUDES PIN, WASHER, BOLTS & LINK-FEEDBACK)	
	25	2	**319-5221**	1	KIT-CYLINDER (ROTATING GROUP)	
					(INCLUDES BOLT, PISTON AS, GUIDE-BEARING, SPACER, KIT-CYLINDER BLOCK & GUIDE)	
	26	3	**1G-9178**	1	SPRING	
	27	3	**199-7051**	1	PIN	
	28	3	**126-6637**	1	BLOCK-SLIDER	
	29	3	**1G-9177**	1	LINK	
J	30	3	**123-0542**	1	GASKET	
	31	3	**161-3931**	2	POST-GUIDE	
	32	3	**307-8769**	1	LEVELER	
	33	3	**307-8306**	2	SEAT-SPRING	
	34	3	**9S-8008**	1	PLUG-O-RING	
J	35	3	**3D-2824**	1	SEAL-O-RING	
	36	2	**229-8394**	1	PLATE-COVER	
Y	37	3	**229-8395**	1	VALVE GP-PUMP CONTROL (PROPEL PUMP)	1020
M	38	2	**6V-8837**	6	BOLT (M6X1X16-MM)	
	39	3	**307-8305**	2	SPRING	
	40	3	**203-8493**	1	PISTON AS	
			4L-7711	2	SEAL-O-RING	
			7X-5448	1	KIT-PISTON RING	
M	41	2	**6V-7675**	4	BOLT (M16X2X140-MM)	
	42	3	**203-8505**	2	SHIM (0.51-MM THK)	
J	43	3	**5E-8765**	2	NUT	
	44	3	**077-8353**	2	PIN (SPRING)	
	45	3	**1G-9190**	2	KIT-DISP LIMITER	
					(EACH INCLUDES SEAL-O-RINGS BOLT)	

297-8160 PUMP GP-HYDRAULIC *(contd.)* i03642506

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	46	3	**108-8538**	1	SHAFT	
	47	3	**1G-9185**	1	BEARING-ROLLER	
	48	3	**6V-7700**	1	RING-RETAINING	
	49	3	**154-6880**	1	SEAL AS	
			1G-9187	1	SEAL-LIP TYPE	
			1G-9188	1	SEAL-O-RING	
	50	3	**229-8396**	1	PLATE-RETAINER	
M	51	3	**8T-0269**	4	BOLT-SOCKET HEAD (M6X1X20-MM)	
	52	3	**132-6697**	6	BOLT (M8X1.25X20-MM)	
	53	2	**109-5165**	1	SHAFT-CHARGE	
	54	3	**203-8494**	1	INSERT AS	
	55	2,4	**9S-8002**	4	PLUG-O-RING	
J	56	2,4	**3J-7354**	4	SEAL-O-RING	
J	57	3	**1G-9182**	1	SEAL-O-RING	
J	58	2	**7M-8485**	1	SEAL-O-RING	
J	59	3	**1G-9188**	1	SEAL-O-RING	
					AVAILABLE REPAIR KIT(S):	
J			**1G-9205**	1	KIT-OVERHAUL SEAL	
					(ALSO INCLUDES SEAL-O-RINGS, BOLT, GASKET-CONTROL, GASKET-MANIFOLD & SEALS)	

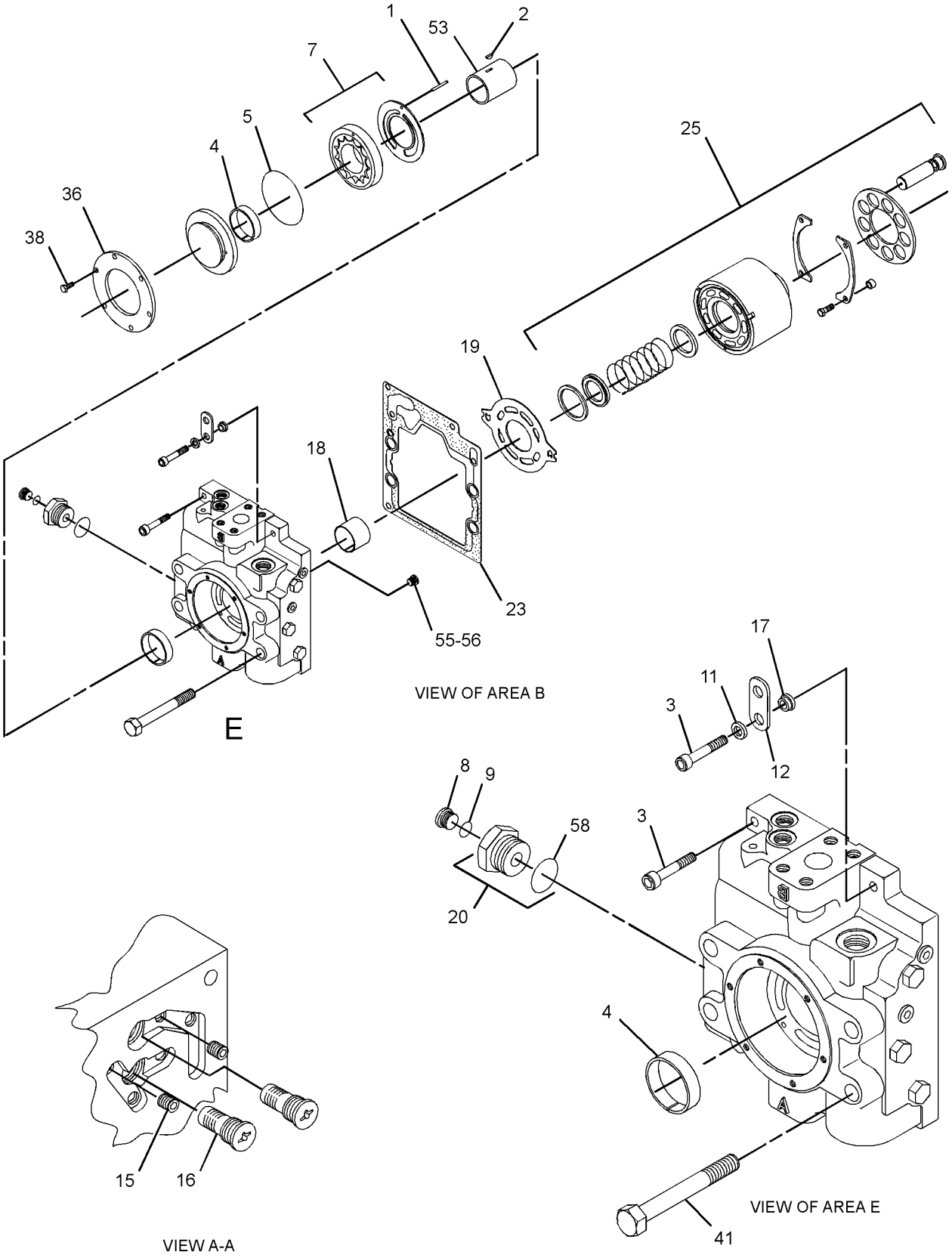
J-KIT MARKED J SERVICES PARTS MARKED J
M-METRIC PART
Y-SEPARATE ILLUSTRATION

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS.



GRAPHIC #1 g01448112

297-8160 PUMP GP-HYDRAULIC *(contd.)* i03642506



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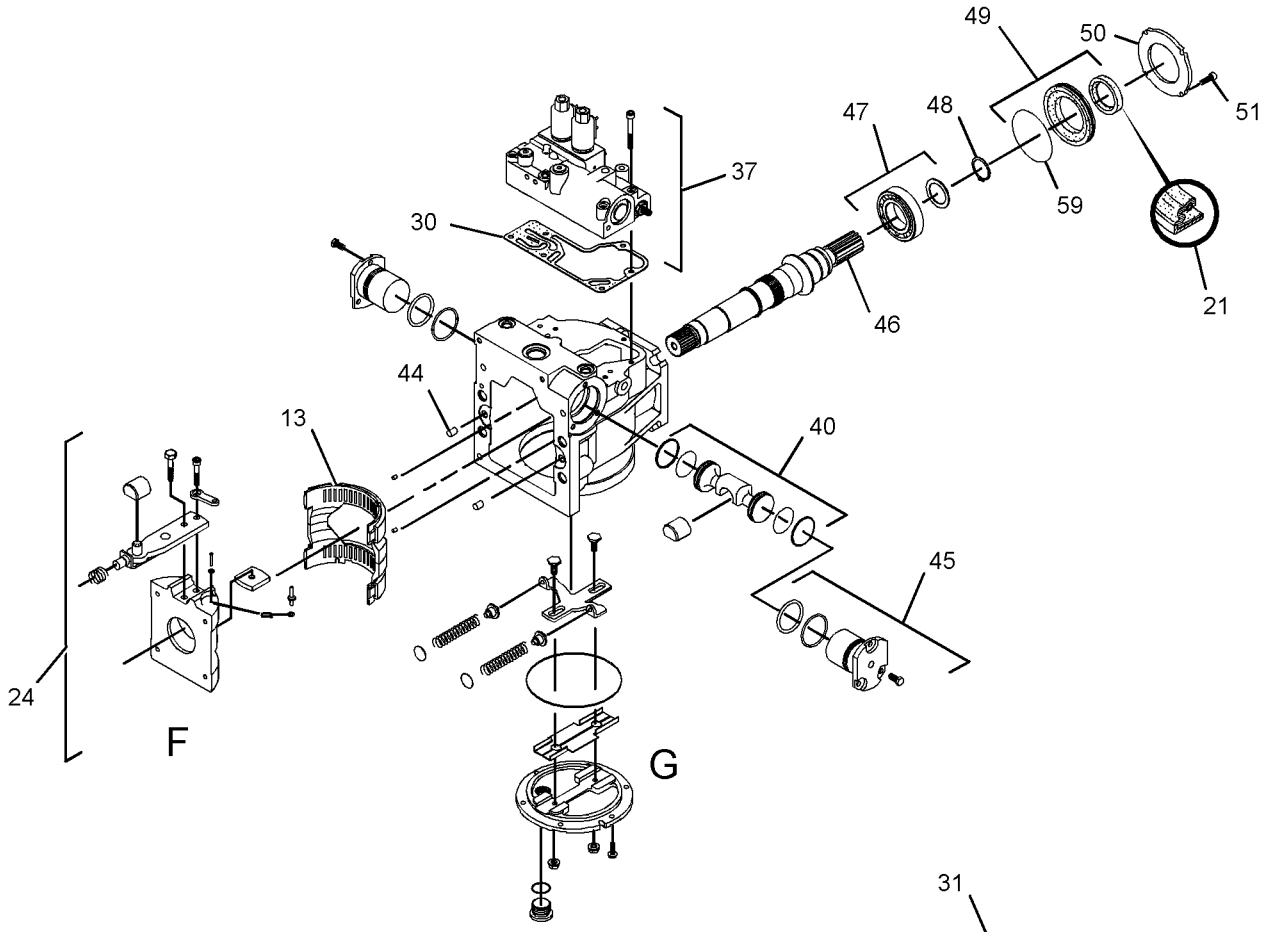
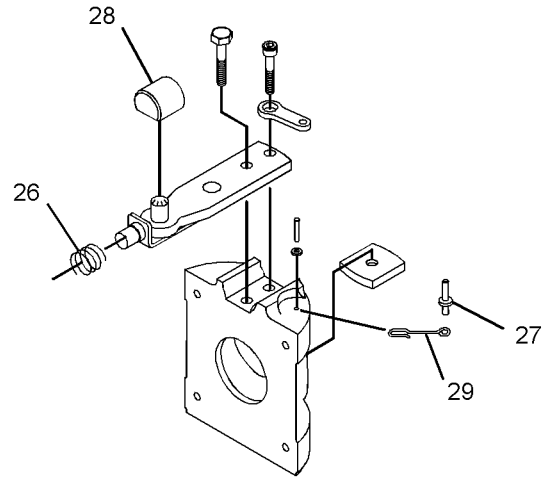
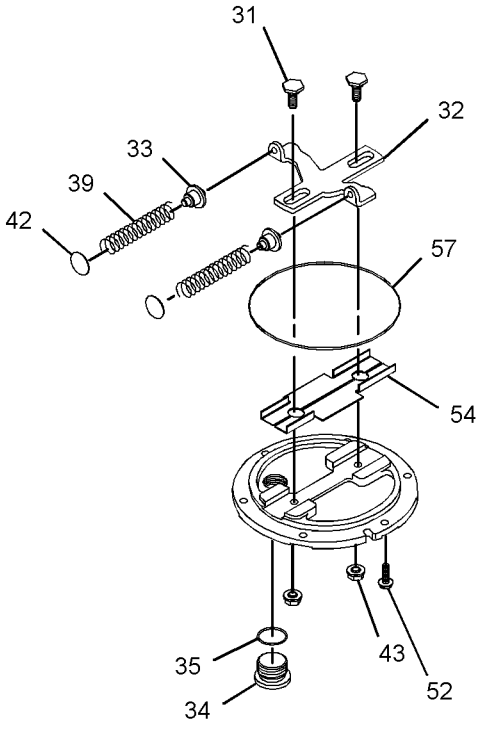


VIEW OF AREA C



VIEW OF AREA F

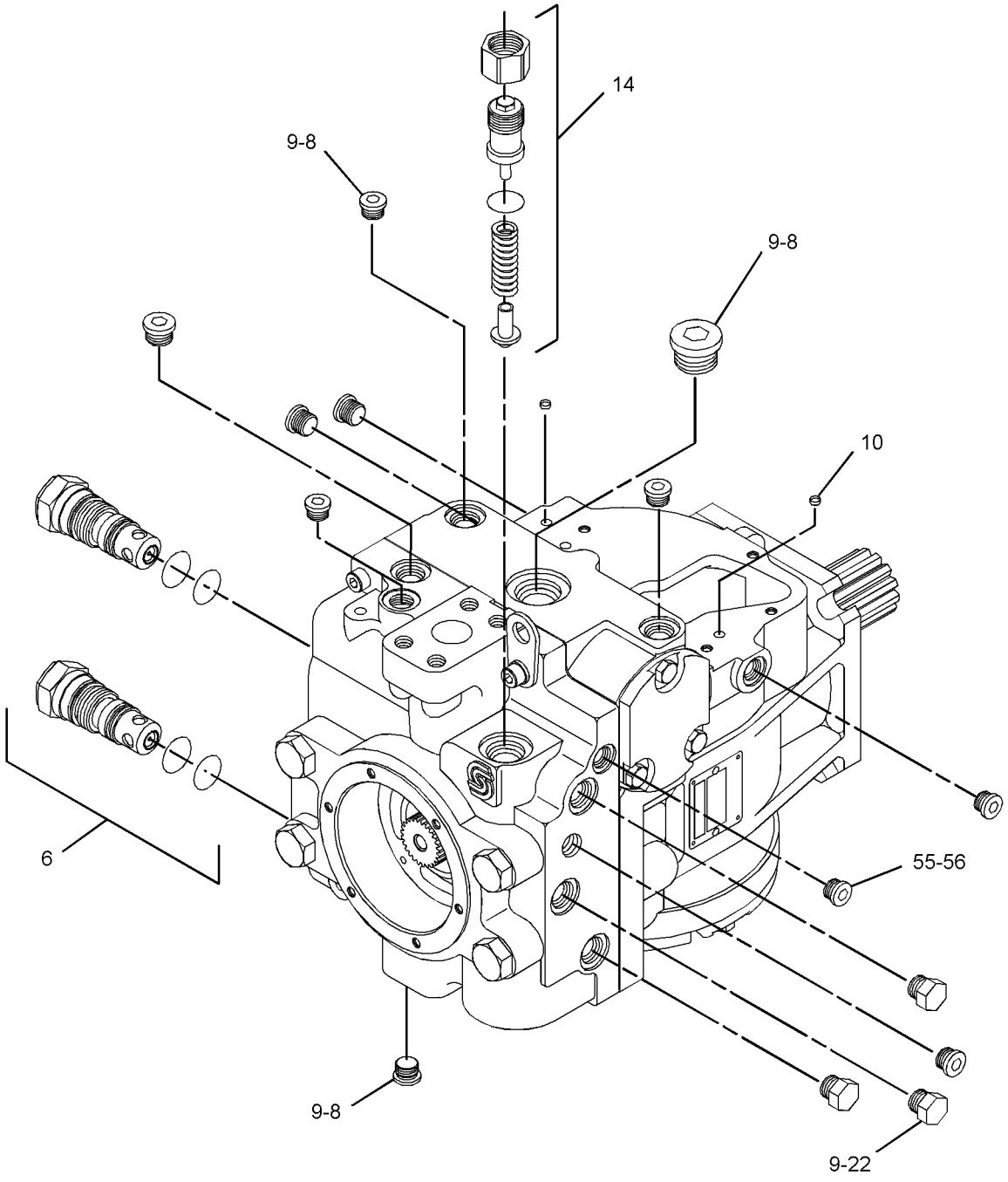


VIEW OF AREA G

GRAPHIC #3

g01448221

297-8160 PUMP GP-HYDRAULIC *(contd.)* **i03642506**



VIEW OF AREA D

GRAPHIC #4 **<END>** g01448111

HYDRAULIC SYSTEM

297-8255 PUMP GP-HYDRAULIC

PART OF 299-8963 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

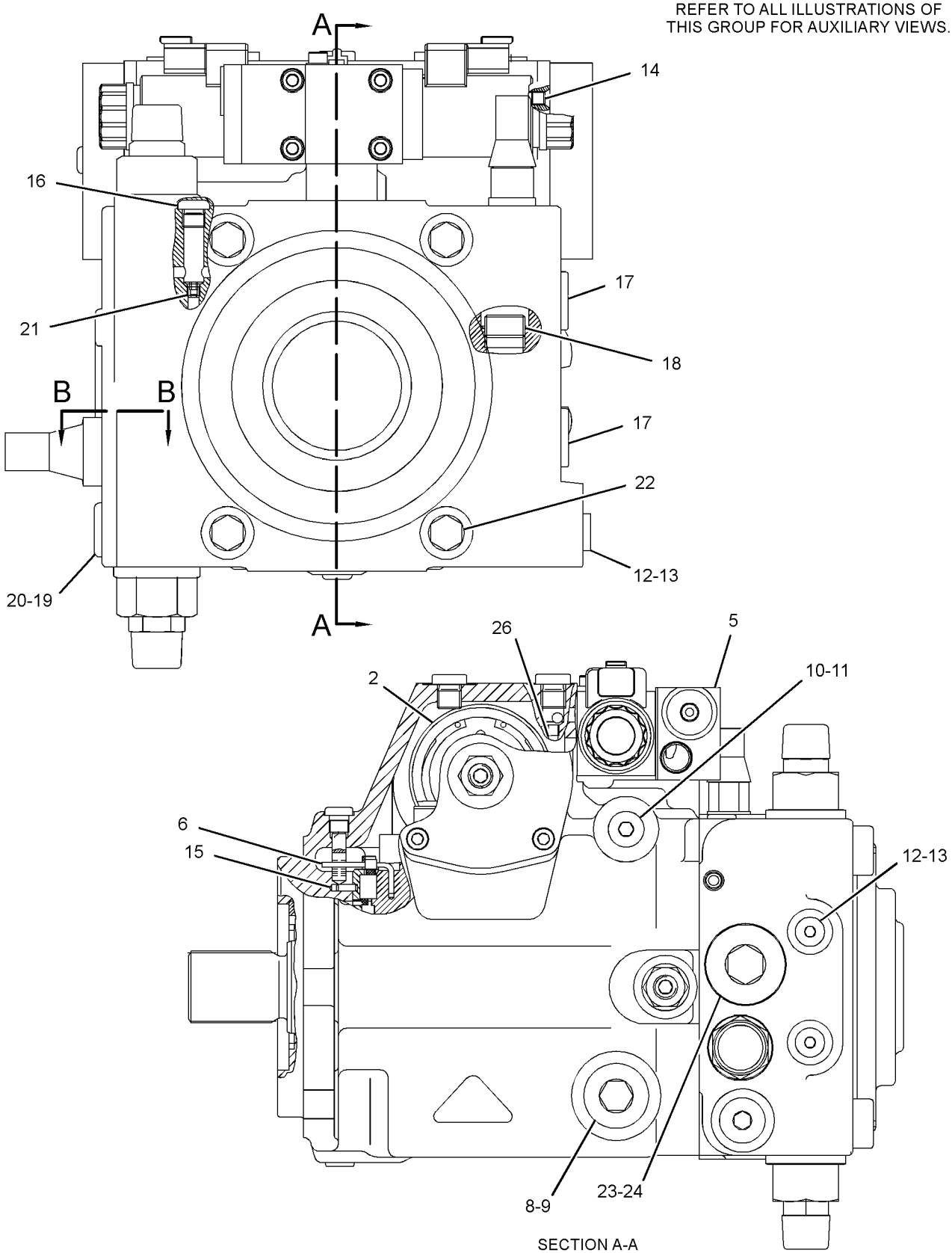
SMCS-5055, 5070, 5073, 5083, 5084 **i03642507**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	2	**318-7416**	1	ROTATING GP-PUMP	1019
Y	2	1	**196-4233**	1	ACTUATOR GP-PUMP (PROPEL)	984
Y	3	2	**316-1434**	1	PUMP GP-HYDRAULIC (SERVICE REPAIR)	1007
Y	4	2	**147-8366**	1	PUMP GP-CHARGE	1027
	5	1	**316-5989**	1	VALVE GP-PUMP CONTROL (HYDRAULIC)	
		1	**316-5991**	1	BODY AS-VALVE	
		1	**316-5999**	2	SOLENOID AS	
	6	1	**126-1638**	2	PIN-JOINT	
	7	2	**6E-4350**	1	PIN	
	8	1	**9S-8008**	1	PLUG-O-RING	
	9	1	**3D-2824**	1	SEAL-O-RING	
	10	1	**9S-8004**	1	PLUG	
	11	1	**3J-1907**	1	SEAL-O-RING	
	12	1	**9S-8002**	6	PLUG-O-RING	
	13	1	**3J-7354**	6	SEAL-O-RING	
	14	1	**120-4394**	1	PLUG-BREAK OFF	
	15	1	**167-6805**	2	PIN	
	16	1,2	**9T-3928**	3	PLUG AS	
	17	1	**081-3801**	2	PLUG AS	
	18	1	**126-1661**	1	PLUG	
	19	1	**9S-8005**	1	PLUG-O-RING	
	20	1	**3K-0360**	1	SEAL-O-RING	
	21	1	**123-7583**	1	ORIFICE	
M	22	1	**3E-8008**	4	BOLT-SOCKET HEAD (M16X2X90-MM)	
	23	1	**123-7575**	1	SCREW-LOCK	
	24	1	**6V-8978**	1	SEAL-O-RING	
M	25	2	**1G-3176**	1	SCREW-LOCK (M8-THD)	
	26	1	**206-4881**	2	PLUG-ORIFICE	

M-METRIC PART
Y-SEPARATE ILLUSTRATION

297-8255 PUMP GP-HYDRAULIC *(contd.)* **i03642507**

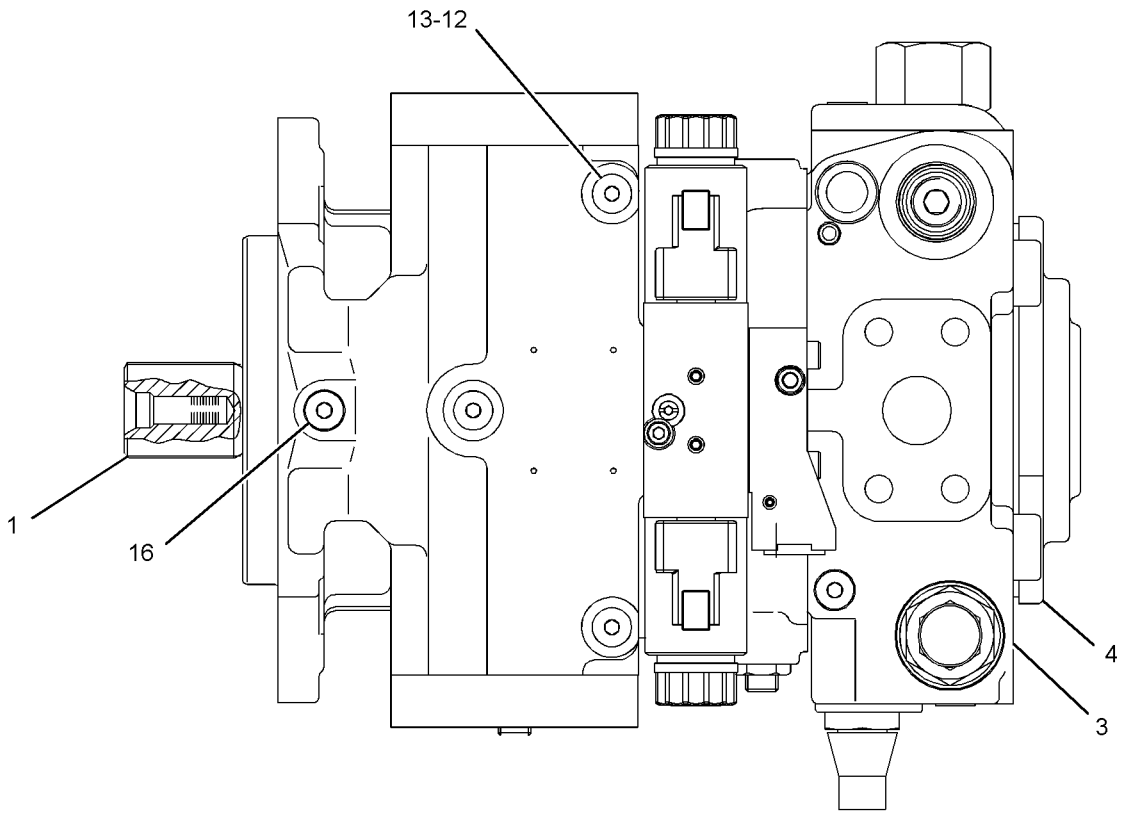
REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS.



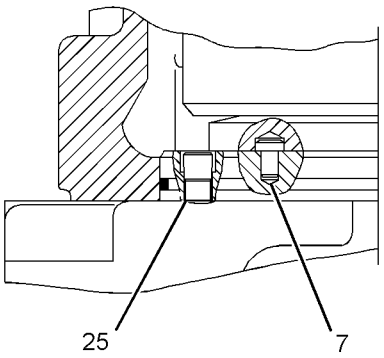
SECTION A-A

GRAPHIC #1

g01452387



TOP VIEW



SECTION B-B

GRAPHIC #2 **<END>** g01452338

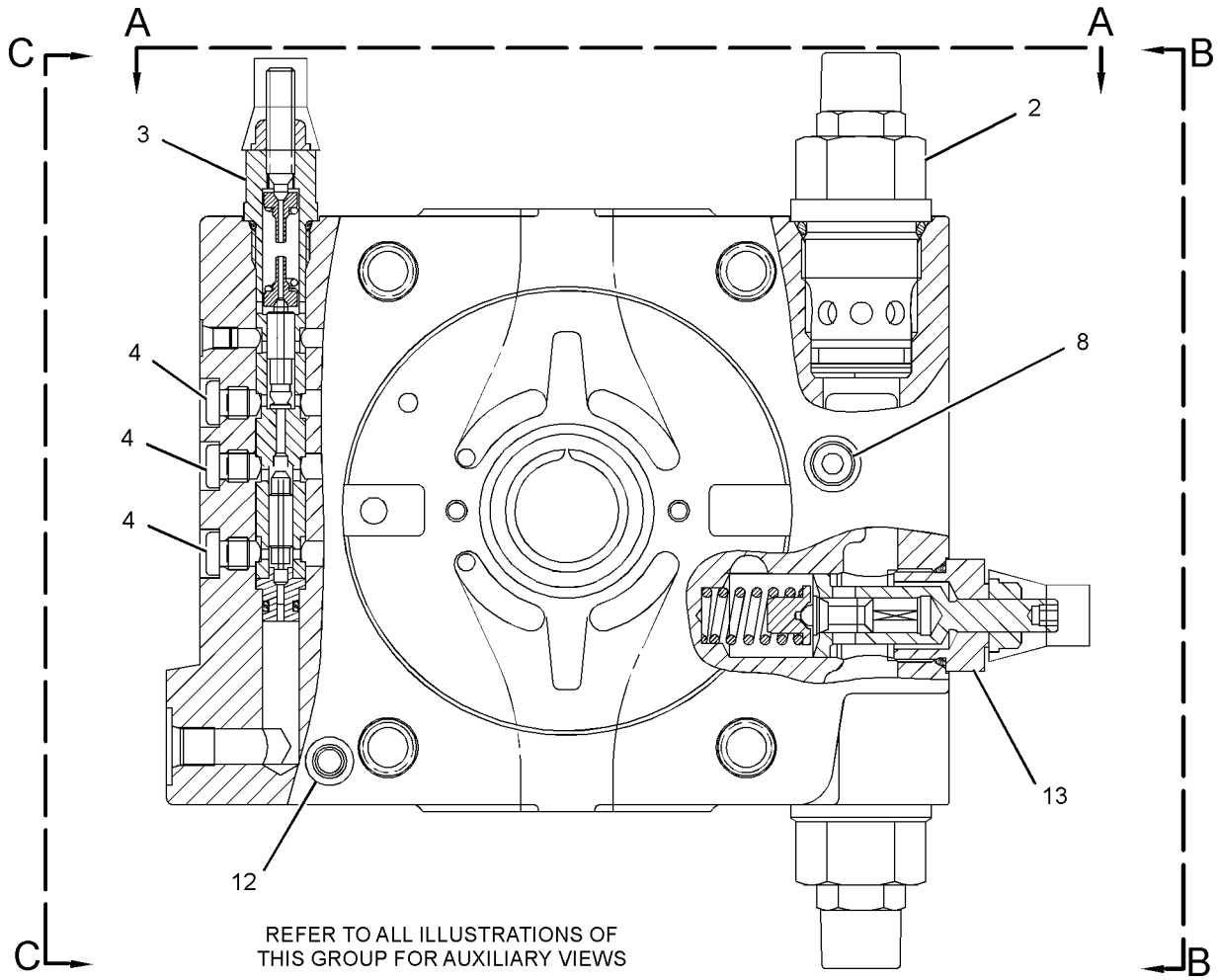
316-1434 PUMP GP-HYDRAULIC

PART OF 297-8255 PUMP GP-HYDRAULIC, 297-8252 PUMP GP-PISTON
AN ATTACHMENT

SMCS-5055, 5070, 5073, 5083, 5084 **i03206829**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**6S-3002**	1	SEAL-O-RING	
	2	1	**1G-7407**	2	VALVE GP-RELIEF (PUMP HEAD)	
					(EACH INCLUDES)	
		1	**123-7556**	1	CAP	
		1	**145-0905**	1	KIT-SEAL (PUMP HEAD RELIEF VALVE)	
	3	1	**287-4596**	1	VALVE GP-PUMP CONTROL (PRESSURE COMPENSATOR)	
M		1	**6E-4401**	1	SETSCREW-ADJUSTMENT	
		1	**6V-5586**	1	SEAL-O-RING	
		1	**7Y-5219**	1	SEAL-O-RING	
M		1	**204-1455**	1	NUT-SEALING (M8X1-THD)	
	4	1	**087-4772**	3	PLUG-O-RING	
	5	2	**120-4394**	2	PLUG-BREAK OFF	
	6	2	**123-7560**	1	BEARING-BUSHING	
	7	2	**123-7559**	1	BUSHING	
	8	1,2	**6V-8398**	2	SEAL-O-RING	
M	9	2	**123-2017**	1	PLUG	
	10	2	**9S-8002**	1	PLUG-O-RING	
	11	2	**3J-7354**	1	SEAL-O-RING	
	12	1,2	**6V-8397**	2	SEAL-O-RING	
Y	13	1	**6E-4402**	1	VALVE GP-RELIEF (CHARGE PRESSURE)	802
	14	2	**126-1477**	1	BUSHING-COUPLING	

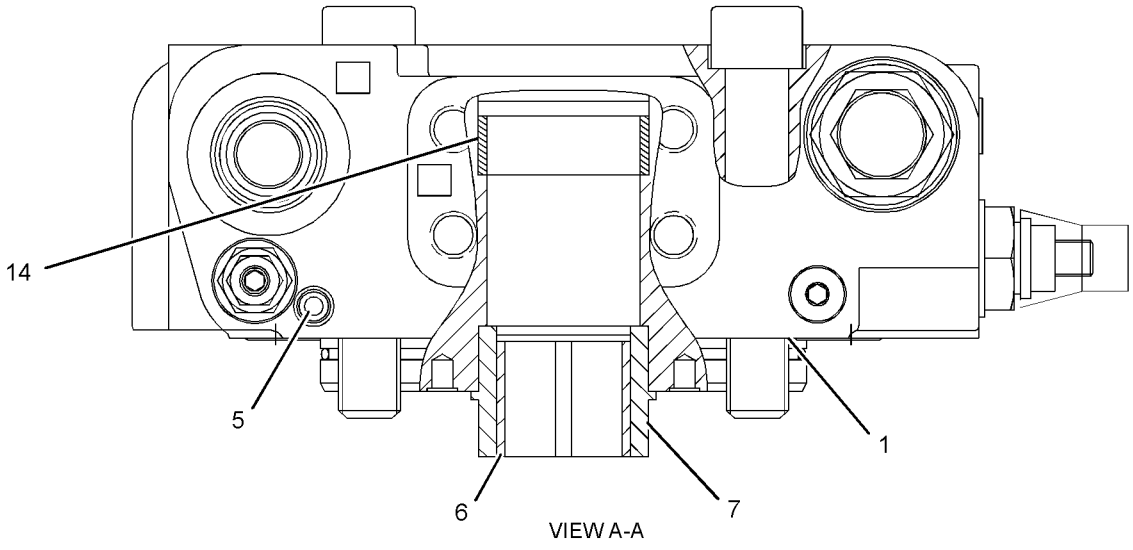
M-METRIC PART
Y-SEPARATE ILLUSTRATION



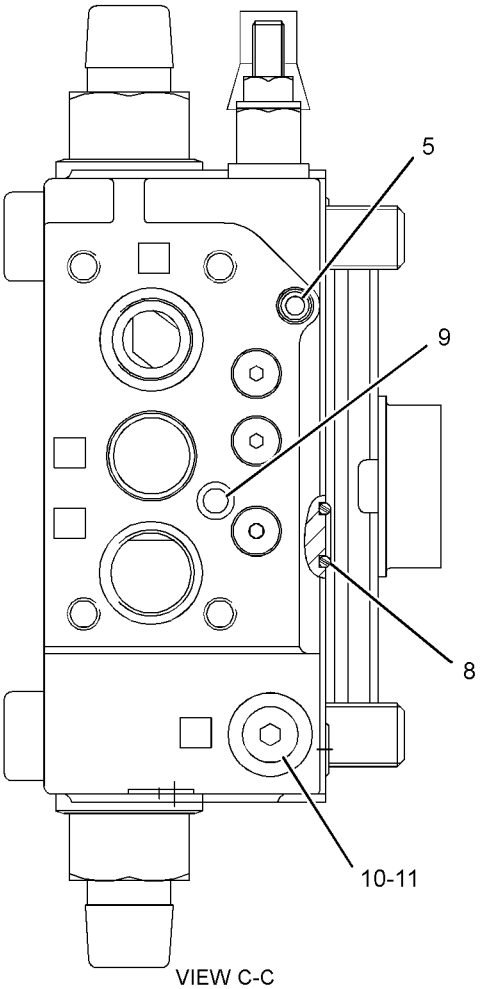
GRAPHIC #1

g01452062

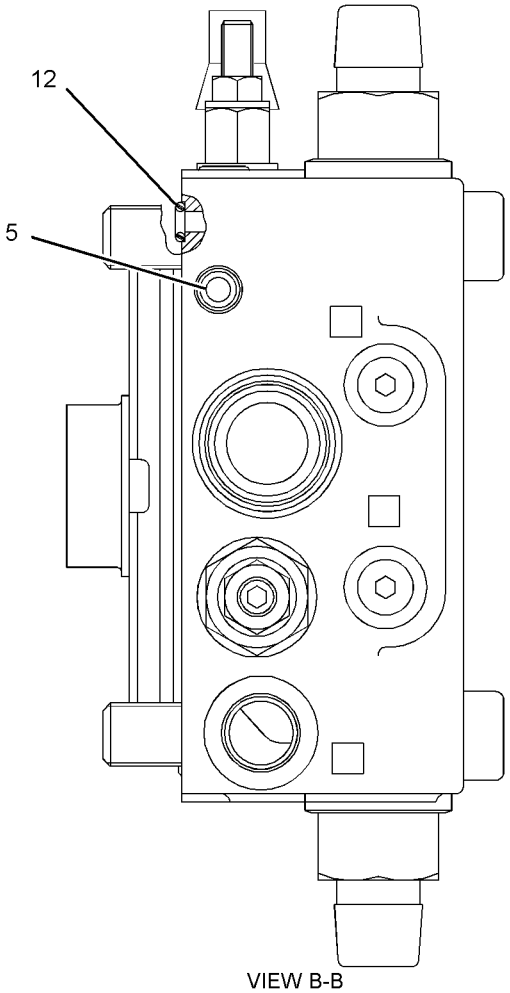
316-1434 PUMP GP-HYDRAULIC *(contd.)* **i03206829**



VIEW A-A



VIEW C-C



VIEW B-B

GRAPHIC #2 **<END>** g01452064

HYDRAULIC SYSTEM

297-8164 PUMP GP-PISTON–SLIPPER

PART OF 299-8977 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

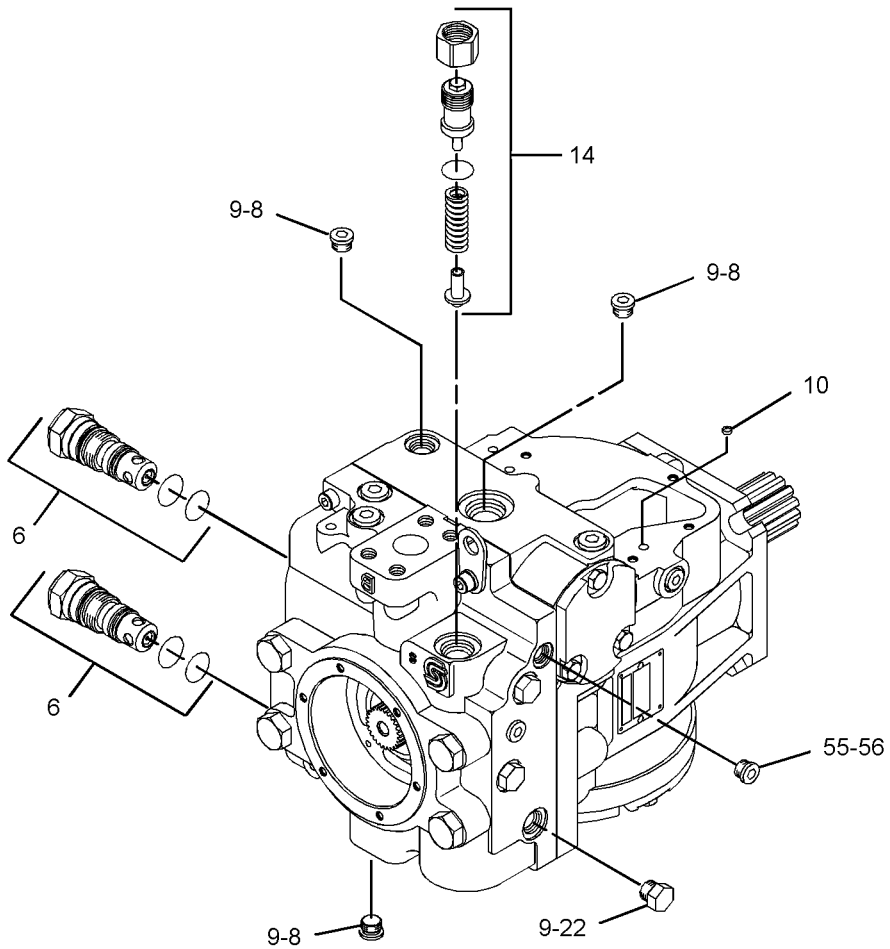
SMCS-5070 **i03643496**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	2	**1G-9196**	1	PIN	
	2	2	**7R-3453**	1	KEY-WOODRUFF	
M	3	2	**8T-0338**	2	BOLT-SOCKET HEAD (M8X1.25X45-MM)	
	4	2	**5E-8743**	2	BUSHING-TERMINAL	
J	5	2	**5E-8769**	1	SEAL-O-RING	
	6	1	**5E-8751**	2	KIT-VALVE	
					(EACH INCLUDES INSTRUCTIONS & VALVE AS)	
	7	2	**108-8537**	1	PUMP GP-GEROTOR (CHARGE)	
	8	1,2	**9S-8004**	8	PLUG	
J	9	1,2	**3J-1907**	11	SEAL-O-RING	
J	10	1	**7X-9232**	3	PLUG-VENT (PISTON PUMP)	
	11	2	**098-3039**	1	WASHER (8.33X15X2.12-MM THK)	
	12	2	**126-6640**	1	BRACKET-LIFTING	
	13	2	**1G-9175**	1	KIT-BEARING	
					(INCLUDES BEARINGS)	
	14	1	**7R-3825**	1	KIT-RELIEF VALVE	
					(INLCUDES SPRING, NUT-SPECIAL, POPPET, PLUG AS & SEAL-O-RING)	
	15	2	**5E-8777**	2	PLUG	
	16	2	**5E-8747**	2	VALVE-CHECK	
	17	2	**134-1827**	1	SPACER	
	18	2	**1G-9193**	1	BEARING-JOURNAL	
	19	2	**145-6892**	1	PLATE-VALVE	
	20	2	**7R-3394**	1	FITTING	
J	21	3	**1G-9187**	1	SEAL-LIP TYPE	
	22	1	**9S-4191**	3	PLUG-O-RING	
J	23	2	**126-6638**	1	GASKET-END CAP	
	24	2	**1G-9176**	1	KIT-PUMP REPAIR	
					(INCLUDES PIN, WASHER, BOLTS & LINK-FEEDBACK)	
	25	2	**319-5221**	1	KIT-CYLINDER (ROTATING GROUP)	
					(INCLUDES BOLT, PISTON AS, GUIDE-BEARING, SPACER, KIT-CYLINDER BLOCK & GUIDE)	
	26	2	**1G-9178**	1	SPRING	
	27	2	**199-7051**	1	PIN	
	28	2	**126-6637**	1	BLOCK-SLIDER	
	29	2	**1G-9177**	1	LINK	
J	30	3	**123-0542**	1	GASKET	
	31	3	**161-3931**	2	POST-GUIDE	
	32	3	**307-8769**	1	LEVELER	
	33	3	**307-8306**	2	SEAT-SPRING	
	34	3	**9S-8008**	1	PLUG-O-RING	
J	35	3	**3D-2824**	1	SEAL-O-RING	
	36	2	**229-8394**	1	PLATE-COVER	
Y	37	3	**229-8395**	1	VALVE GP-PUMP CONTROL (PROPEL PUMP)	1020
M	38	2	**6V-8837**	6	BOLT (M6X1X16-MM)	
	39	3	**307-8305**	2	SPRING	
	40	3	**203-8493**	1	PISTON AS	
		3	**4L-7711**	2	SEAL-O-RING	
		3	**7X-5448**	1	KIT-PISTON RING	
M	41	2	**6V-7675**	4	BOLT (M16X2X140-MM)	
	42	3	**203-8505**	2	SHIM (0.51-MM THK)	
J	43	3	**5E-8765**	2	NUT	
	44	3	**077-8353**	2	PIN (SPRING)	
	45	3	**1G-9190**	2	KIT-DISP LIMITER	
					(EACH INCLUDES SEAL-O-RINGS & BOLT)	

297-8164 PUMP GP-PISTON *(contd.)* i03643496

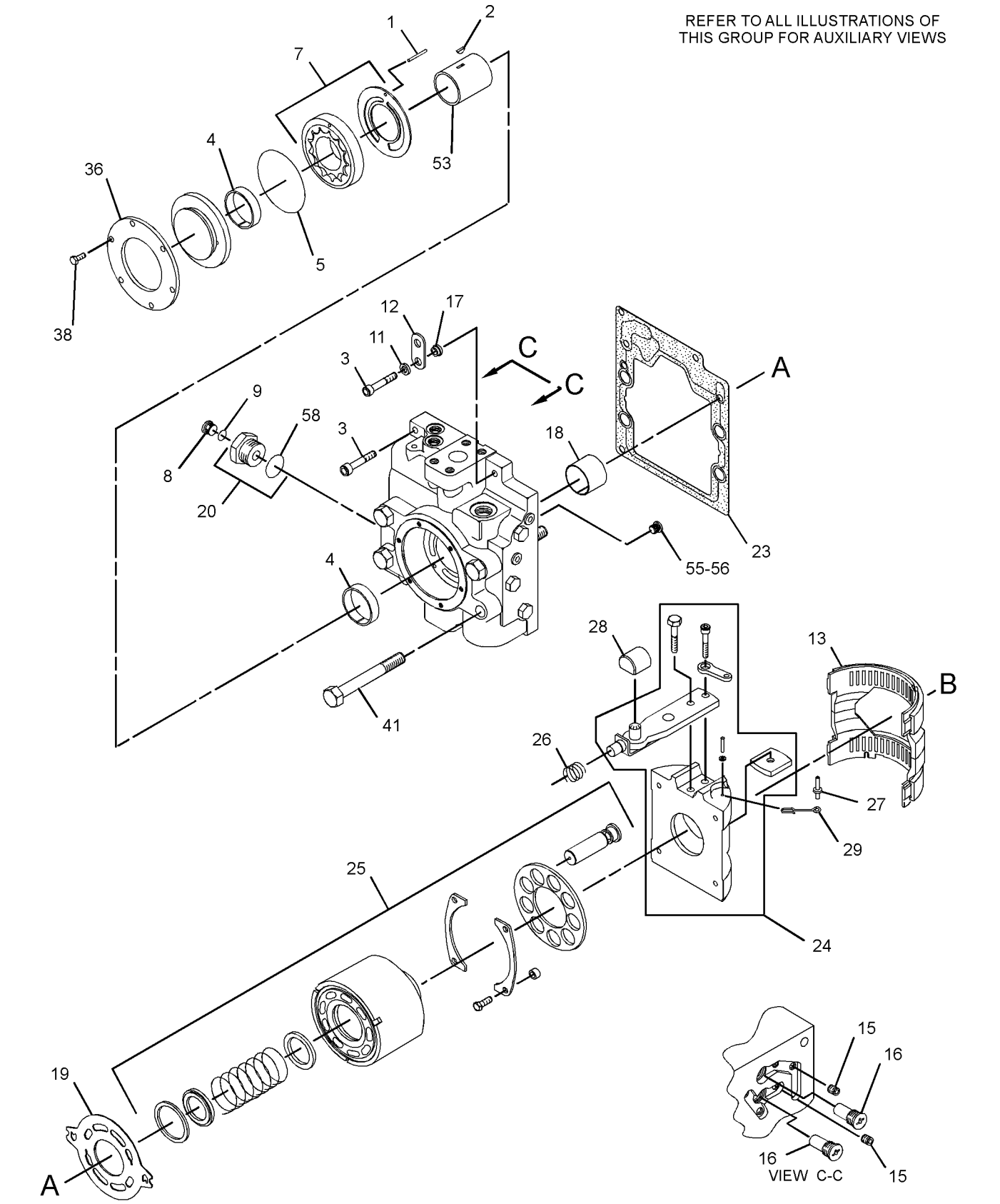
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	46	3	**108-8538**	1	SHAFT	
	47	3	**1G-9185**	1	BEARING-ROLLER	
	48	3	**6V-7700**	1	RING-RETAINING	
	49	3	**154-6880**	1	SEAL AS	
		3	**1G-9187**	1	SEAL-LIP TYPE	
		3	**1G-9188**	1	SEAL-O-RING	
	50	3	**229-8396**	1	PLATE-RETAINER	
M	51	3	**8T-0269**	4	BOLT-SOCKET HEAD (M6X1X20-MM)	
J	52	3	**132-6697**	6	BOLT (M8X1.25X20-MM)	
	53	2	**109-5165**	1	SHAFT-CHARGE	
	54	3	**203-8494**	1	INSERT AS	
	55	1,2	**9S-8002**	4	PLUG-O-RING	
J	56	1,2	**3J-7354**	4	SEAL-O-RING	
J	57	3	**1G-9182**	1	SEAL-O-RING	
J	58	2	**7M-8485**	1	SEAL-O-RING	
J	59	3	**1G-9188**	1	SEAL-O-RING	
					AVAILABLE REPAIR KIT(S):	
J			**1G-9205**	1	KIT-OVERHAUL SEAL	
					(ALSO INCLUDES SEAL-O-RINGS, BOLT, GASKET-CONTROL, GASKET-MANIFOLD & SEALS)	

J-KIT MARKED J SERVICES PARTS MARKED J
M-METRIC PART
Y-SEPARATE ILLUSTRATION



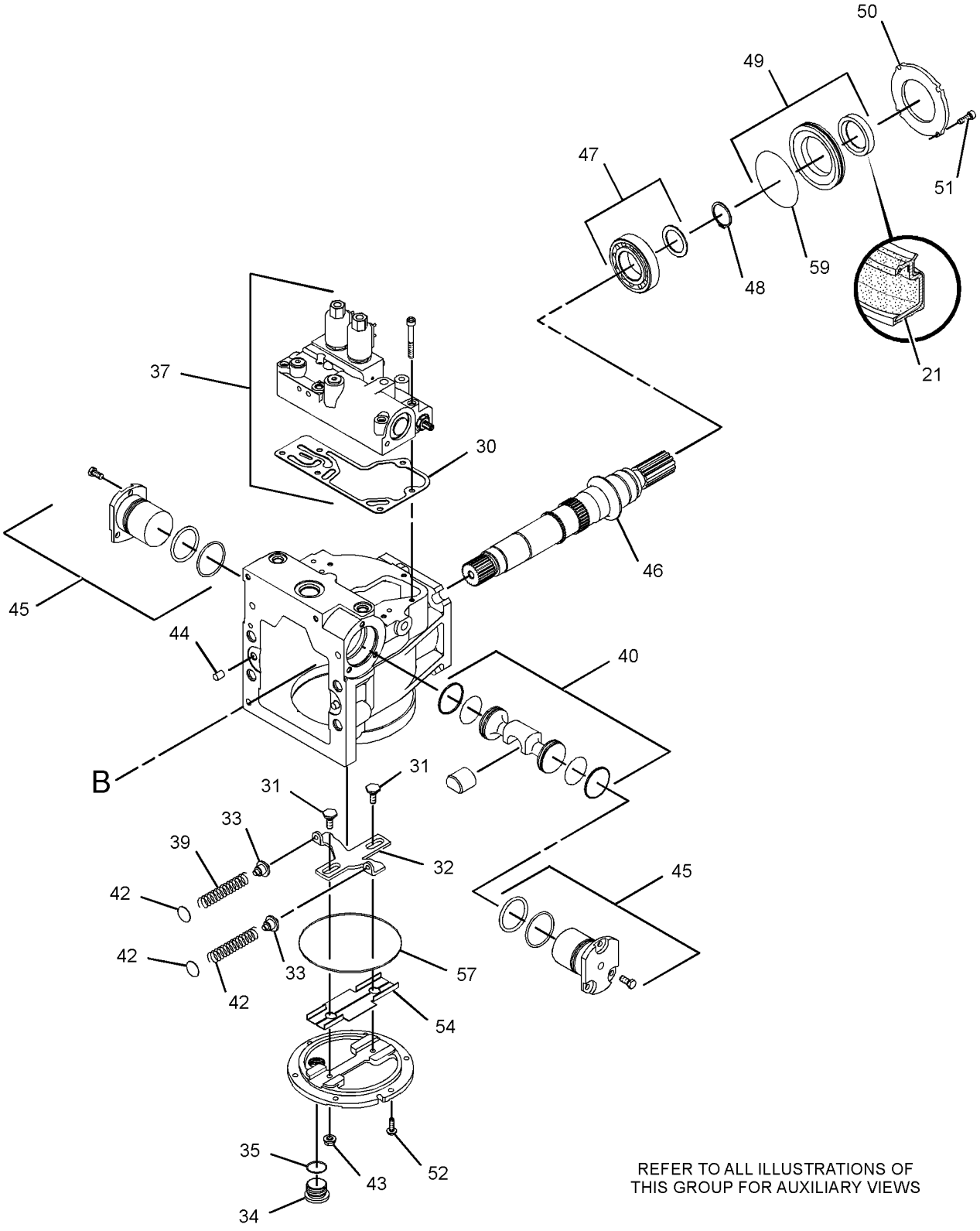
GRAPHIC #1 g01633314

297-8164 PUMP GP-PISTON *(contd.)* i03643496



GRAPHIC #2 g01633566

297-8164 PUMP GP-PISTON *(contd.)* **i03643496**



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #3 **<END>** g01633567

297-8252 PUMP GP-PISTON—SLIPPER

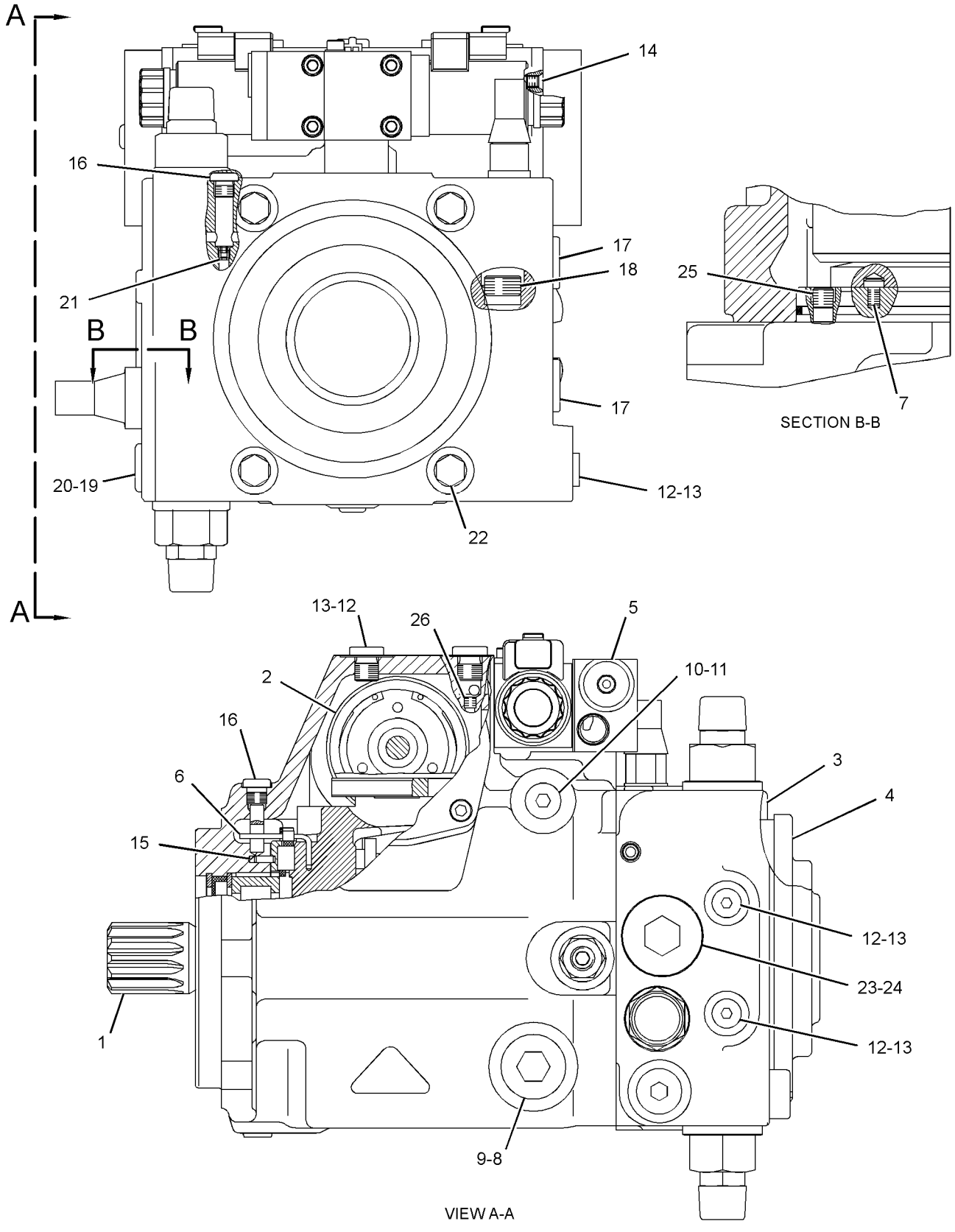
PART OF 299-8976 PUMP & MTG GP-HYDRAULIC
AN ATTACHMENT

SMCS-5070 **i03643497**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	1	1	**305-1511**	1	ROTATING GP-PUMP	1018
Y	2	1	**196-4233**	1	ACTUATOR GP-PUMP	984
Y	3	1	**316-1434**	1	PUMP GP-HYDRAULIC (SERVICE REPAIR)	1007
Y	4	1	**147-8366**	1	PUMP GP-CHARGE	1027
	5	1	**316-5989**	1	VALVE GP-PUMP CONTROL (HYDRAULIC)	
		1	**316-5991**	1	BODY AS-VALVE	
		1	**316-5999**	2	SOLENOID AS	
	6	1	**126-1638**	2	PIN-JOINT	
	7	1	**6E-4350**	1	PIN	
	8	1	**9S-8008**	1	PLUG-O-RING	
	9	1	**3D-2824**	1	SEAL-O-RING	
	10	1	**9S-8004**	1	PLUG	
	11	1	**3J-1907**	1	SEAL-O-RING	
	12	1	**9S-8002**	6	PLUG-O-RING	
	13	1	**3J-7354**	6	SEAL-O-RING	
	14	1	**120-4394**	1	PLUG-BREAK OFF	
	15	1	**167-6805**	2	PIN	
	16	1	**9T-3928**	3	PLUG AS	
					(EACH INCLUDES)	
		1	**187-8001**	1	SEAL	
	17	1	**081-3801**	2	PLUG AS	
					(EACH INCLUDES)	
		1	**126-9092**	1	SEAL	
	18	1	**126-1661**	1	PLUG	
	19	1	**9S-8005**	1	PLUG-O-RING	
	20	1	**3K-0360**	1	SEAL-O-RING	
	21	1	**123-7583**	1	ORIFICE	
M	22	1	**3E-8008**	4	BOLT-SOCKET HEAD (M16X2X90-MM)	
	23	1	**123-7575**	1	SCREW-LOCK	
	24	1	**6V-8978**	1	SEAL-O-RING	
M	25	1	**1G-3176**	1	SCREW-LOCK (M8-THD)	
	26	1	**206-4881**	2	PLUG-ORIFICE	

M-METRIC PART
Y-SEPARATE ILLUSTRATION

297-8252 PUMP GP-PISTON *(contd.)* **i03643497**



GRAPHIC #1 **<END>** g01656053

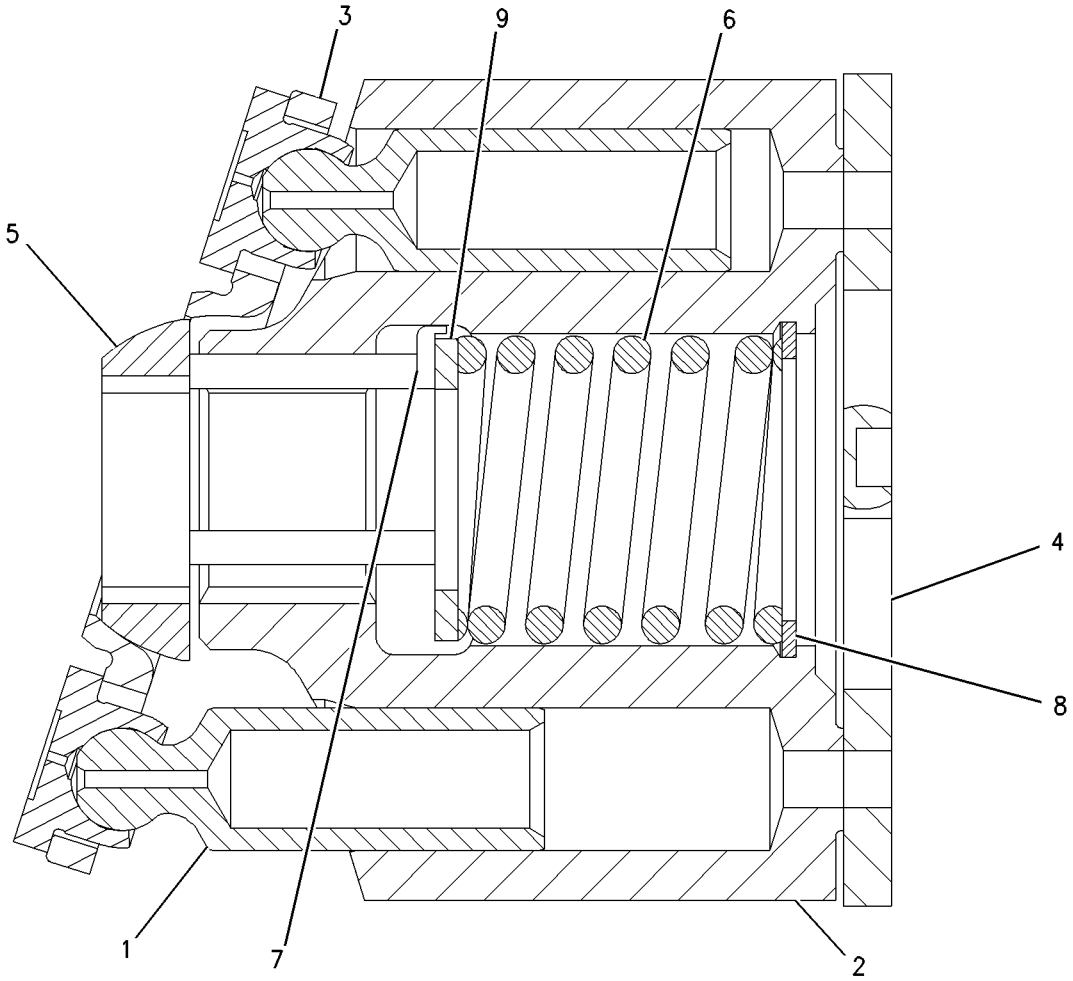
HYDRAULIC SYSTEM

197-2849 ROTATING GP-PUMP

PART OF 297-6999 PUMP GP-HYDRAULIC
AN ATTACHMENT

SMCS-5070 **i02901448**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**168-3384**	9	PISTON AS-PUMP	
	2	1	**197-2851**	1	BARREL	
	3	1	**168-3385**	1	PLATE-RETRACTION	
	4	1	**313-2060**	1	PLATE-PORT	
	5	1	**168-3378**	1	BEARING-SPHERICAL	
	6	1	**168-3381**	1	SPRING	
	7	1	**168-3379**	3	PIN	
	8	1	**6V-7723**	1	RING-RETAINING	
	9	1	**168-3382**	1	WASHER (42-MM ODX2.7-MM THK)	



GRAPHIC #1 **<END>** g00719942

HYDRAULIC SYSTEM

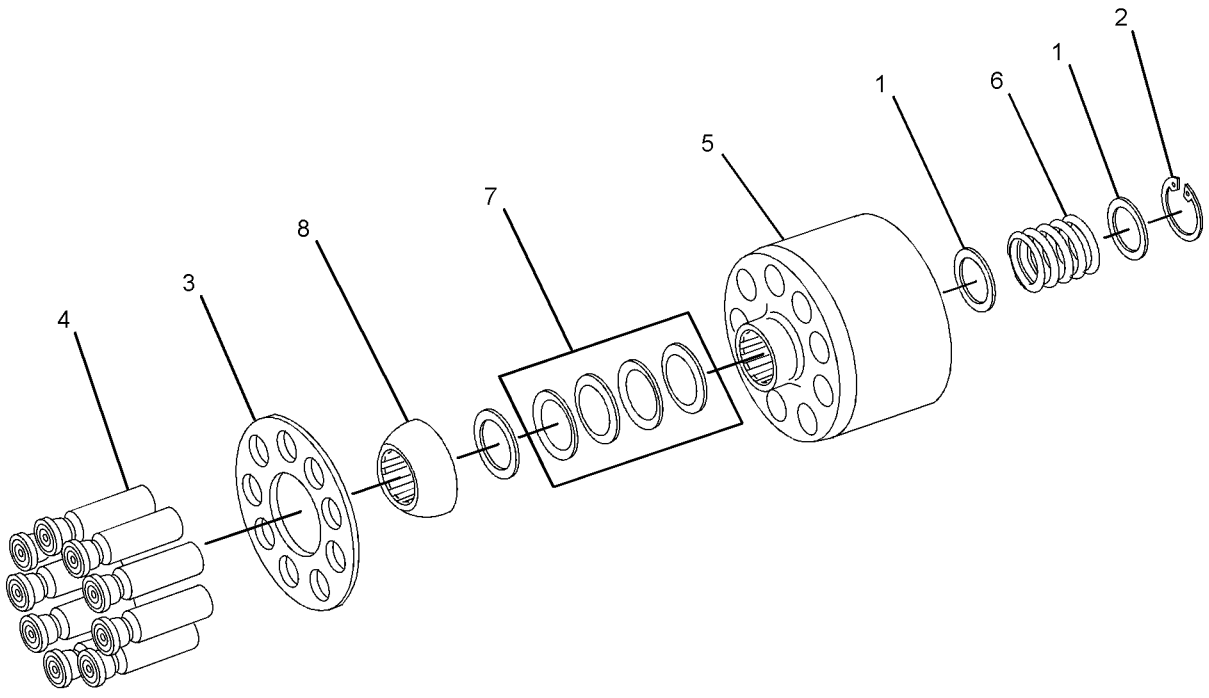
256-9357 ROTATING GP-PUMP

PART OF 305-1511, 318-7416 ROTATING GP-PUMP
AN ATTACHMENT

SMCS-5070 **i02891599**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**142-9437**	2	WASHER (30.7X44X3-MM THK)	
	2	1	**9X-2857**	1	RING-RETAINING	
	3	1	**142-9434**	1	PLATE-RETAINER	
	4	1	**142-9425**	9	PISTON AS	
	5	1	**287-3789**	1	BARREL AS	
	6	1	**142-9438**	1	SPRING-COIL	
	7	1	**142-9426**	1	SPRING AS	
	8	1	**142-9435**	1	BALL	
					PARTS SHOWN IN GRAPHIC(S) WITHOUT A REFERENCE NUMBER ARE NOT SERVICED SEPARATELY	

M-METRIC PART



GRAPHIC #1 **<END>** g01442941

HYDRAULIC SYSTEM

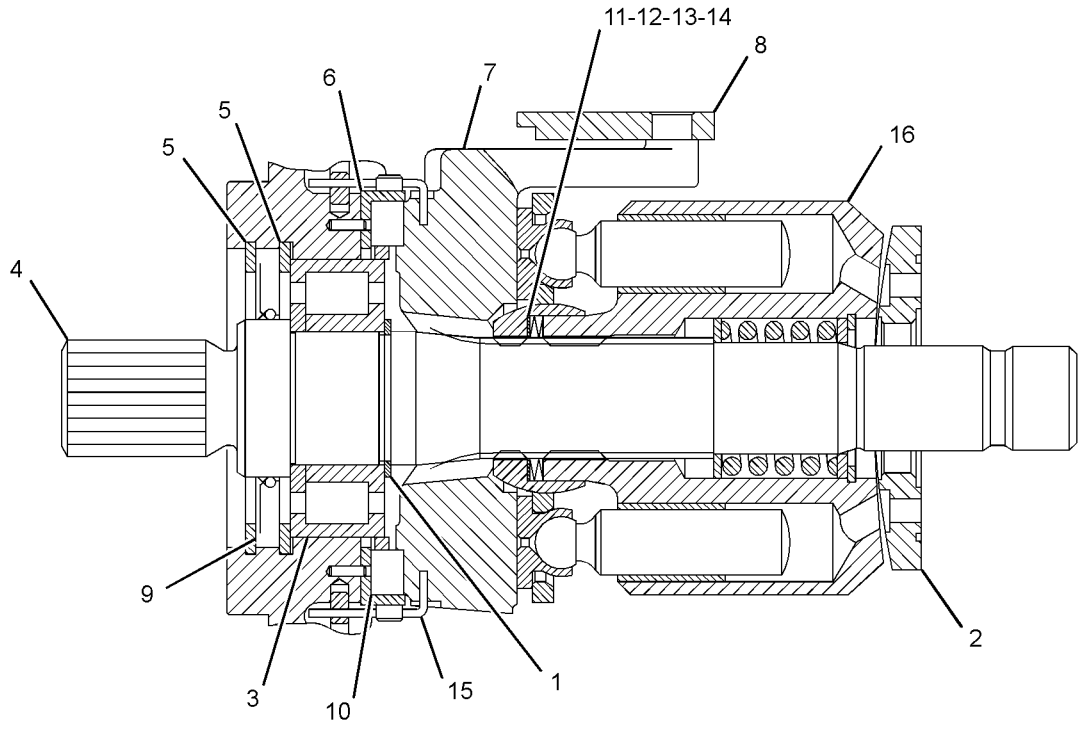
305-1511 ROTATING GP-PUMP

PART OF 297-8252 PUMP GP-PISTON
AN ATTACHMENT

SMCS-5070 **i02891604**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-5201**	1	RING-RETAINING	
	2	1	**256-9358**	1	PLATE-CONTROL	
	3	1	**142-9439**	1	BEARING AS	
	4	1	**145-1824**	1	SHAFT-PUMP	
	5	1	**159-9854**	2	RING-RETAINING	
	6	1	**142-9440**	1	BEARING AS (SWASHPLATE)	
	7	1	**142-9427**	1	SWASHPLATE	
	8	1	**126-1403**	1	PLATE-ADJUSTMENT	
	9	1	**201-5382**	1	SEAL-SHAFT	
	10	1	**142-9436**	1	BEARING AS	
B	11	1	**142-9430**	1	SHIM (1.2-MM THK)	
B	12	1	**142-9431**	1	SHIM (1-MM THK)	
B	13	1	**142-9432**	1	SHIM (0.8-MM THK)	
B	14	1	**142-9433**	1	SHIM (0.6-MM THK)	
	15	1	**130-7806**	2	ROD	
Y	16	1	**256-9357**	1	ROTATING GP-PUMP (HYDRAULIC)	1017

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01384807

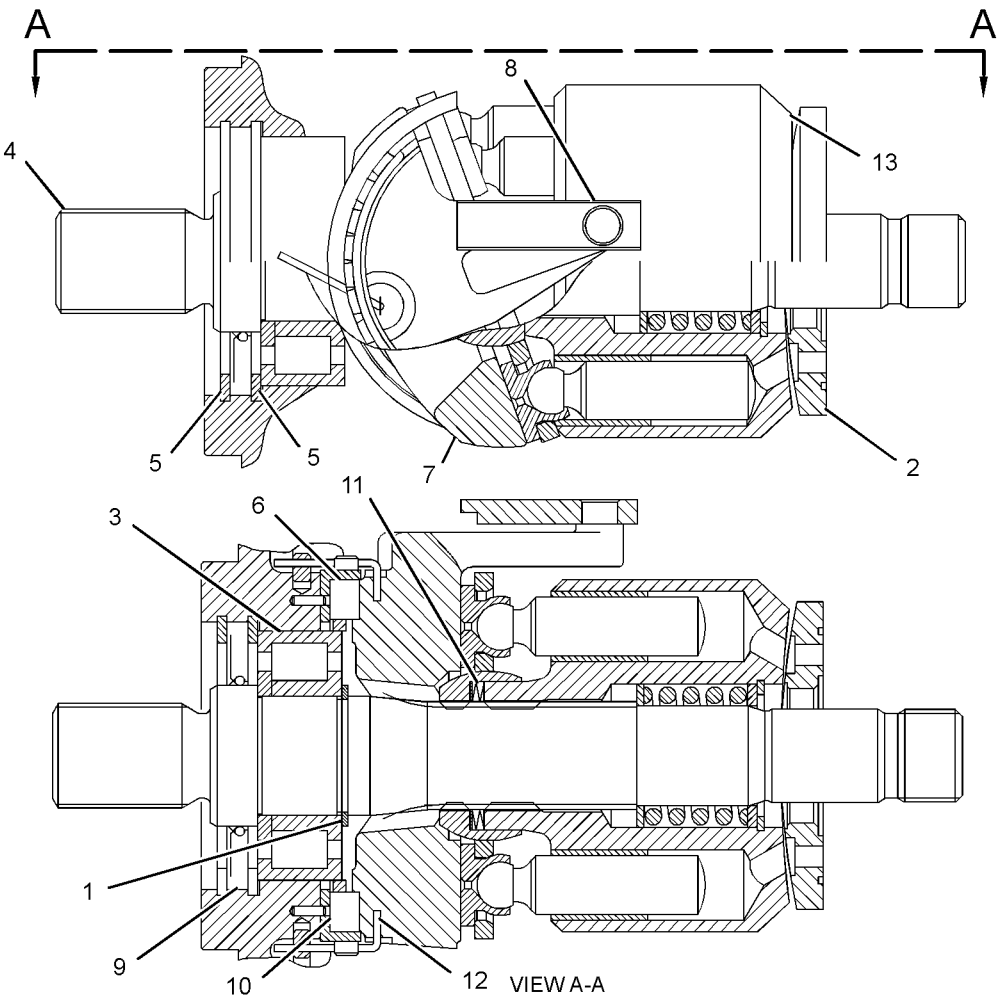
318-7416 ROTATING GP-PUMP

PART OF 297-8255 PUMP GP-HYDRAULIC
AN ATTACHMENT

SMCS-5070 **i02922340**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**6V-5201**	1	RING-RETAINING	
	2	1	**318-7420**	1	PLATE-CONTROL	
	3	1	**142-9439**	1	BEARING AS	
	4	1	**145-1824**	1	SHAFT-PUMP	
	5	1	**159-9854**	2	RING-RETAINING	
	6	1	**142-9440**	1	BEARING AS (SWASHPLATE)	
	7	1	**142-9427**	1	SWASHPLATE	
	8	1	**126-1403**	1	PLATE-ADJUSTMENT	
	9	1	**201-5382**	1	SEAL-SHAFT	
	10	1	**142-9436**	1	BEARING AS	
B	11	1	**142-9430**	1	SHIM (1.2-MM THK)	
B		1	**142-9431**	1	SHIM (1-MM THK)	
B		1	**142-9432**	1	SHIM (0.8-MM THK)	
B		1	**142-9433**	1	SHIM (0.6-MM THK)	
	12	1	**130-7806**	2	ROD	
Y	13	1	**256-9357**	1	ROTATING GP-PUMP (HYDRAULIC)	1017

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01452197

HYDRAULIC SYSTEM

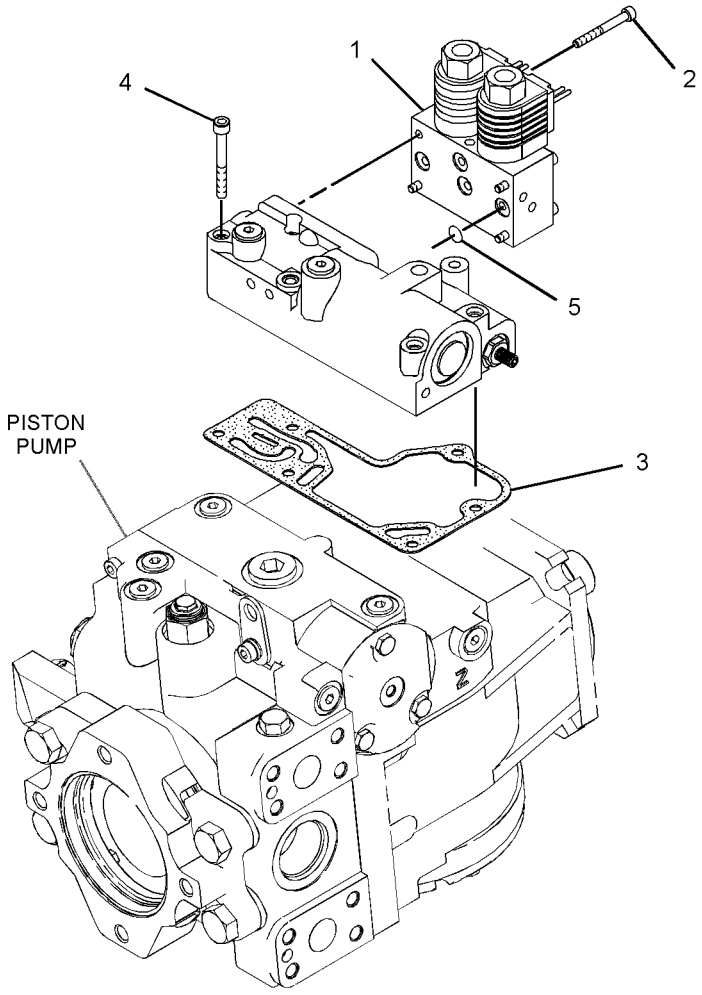
229-8395 VALVE GP-PUMP CONTROL–PROPEL

PART OF 297-8160 PUMP GP-HYDRAULIC, 297-8164 PUMP GP-PISTON
AN ATTACHMENT

SMCS-5455 **i03633178**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**285-9395**	1	VALVE AS-SOLENOID (HYDRAULIC PUMP CONTROL)	
M	2	1	**8T-3283**	4	BOLT-SOCKET HEAD (M5X0.8X45-MM)	
	3	1	**123-0542**	1	GASKET	
M	4	1	**8T-9534**	6	BOLT (M6X1X50-MM)	
	5	1	**033-6039**	4	SEAL-O-RING	

M-METRIC PART



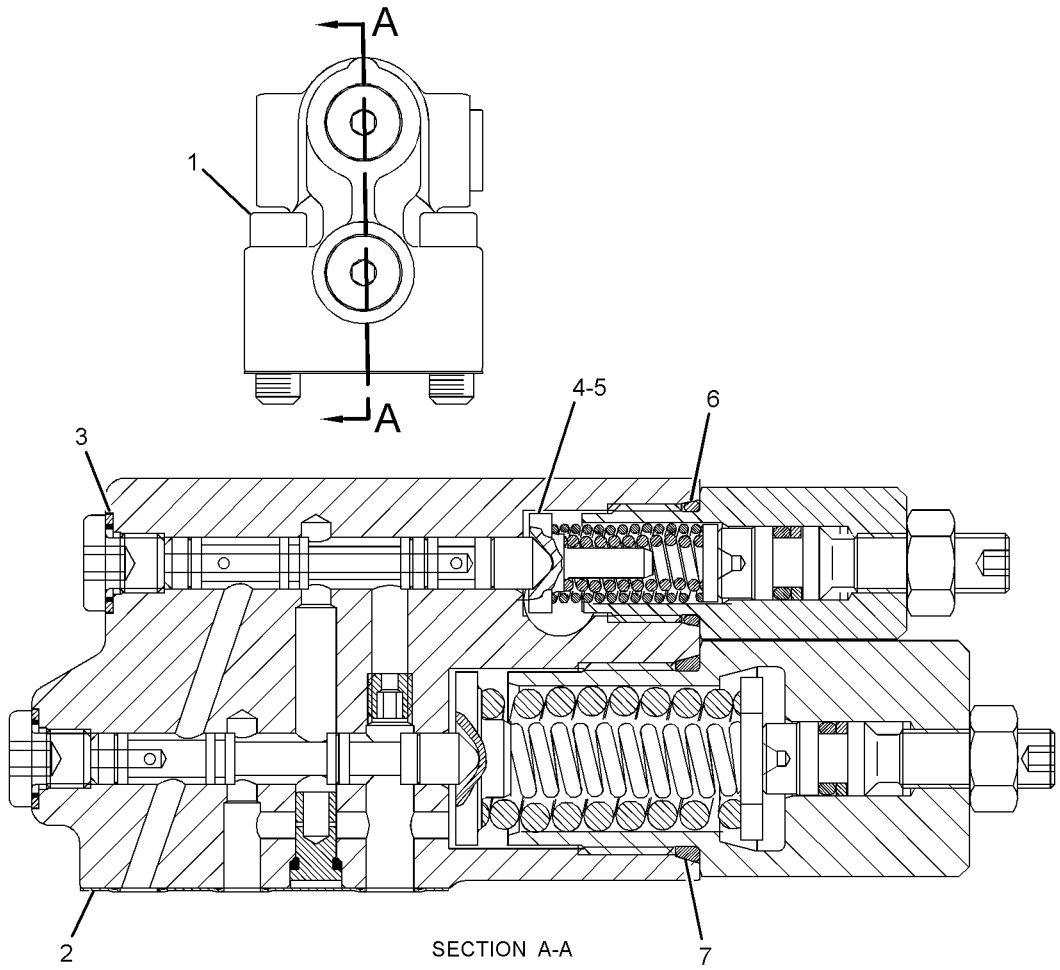
GRAPHIC #1 **<END>** g01439913

285-5240 VALVE GP-PUMP CONTROL–
PRESSURE, FLOW COMPENSATOR
PART OF 297-6999 PUMP GP-HYDRAULIC
AN ATTACHMENT

SMCS-5455 **i02645891**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**8T-8442**	4	BOLT-SOCKET HEAD (M6X1X30-MM)	
	2	1	**280-7870**	1	GASKET	
J	3	1	**6E-6528**	2	SEAL	
	4	1	**9S-8002**	1	PLUG-O-RING	
	5	1	**3J-7354**	1	SEAL-O-RING	
J	6	1	**033-6043**	1	SEAL-O-RING	
J	7	1	**6V-6339**	1	SEAL-O-RING	
					AVAILABLE REPAIR KIT(S):	
J			**293-8350**	1	KIT-SEAL (FLOW COMPENSATOR)	
					(INCLUDES SEAL-O-RINGS & BACK-UP RINGS)	

J-KIT MARKED J SERVICES PARTS MARKED J
M-METRIC PART



GRAPHIC #1 **<END>** g01297140

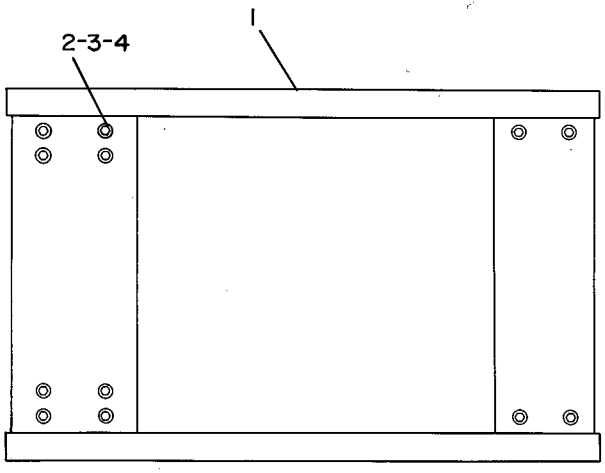
ENCLOSURES, GUARDS AND BASES

1N-4888 BASE GP-ENGINE

FOR USE WITH STANDARD INDUSTRIAL ENGINE SUPPORTS
AN ATTACHMENT

SMCS-7060 **i02953180**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4W-6366**	1	BASE AS	
	2	1	**0S-1973**	12	BOLT (7/8-9X2-IN)	
	3	1	**5P-8249**	24	WASHER-HARD (24X41.5X4-MM THK)	
	4	1	**2J-3505**	12	NUT-FULL (7/8-9-THD)	



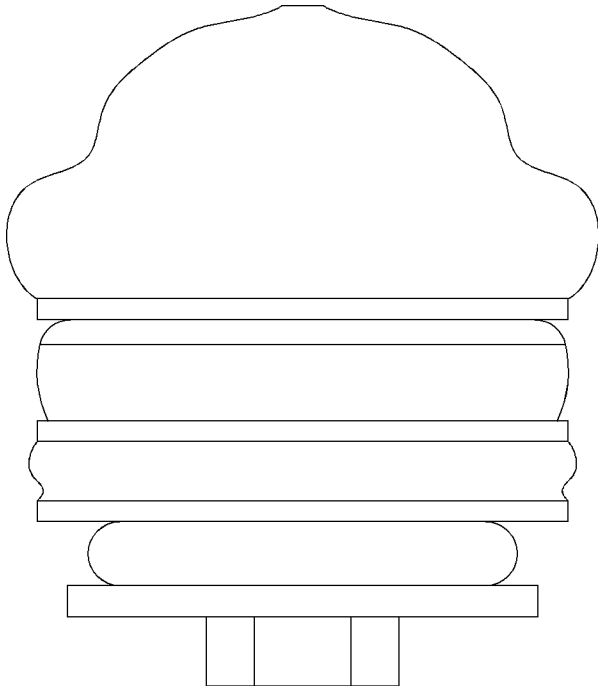
GRAPHIC #1 **<END>** g00169666

8D-0983 MOUNTING AS-VIBRATION ISOLATOR–HYDRAULIC TANK

AN ATTACHMENT

SMCS-1021, 7002 **i02209297**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 g01079636

<END>

ENCLOSURES, GUARDS AND BASES

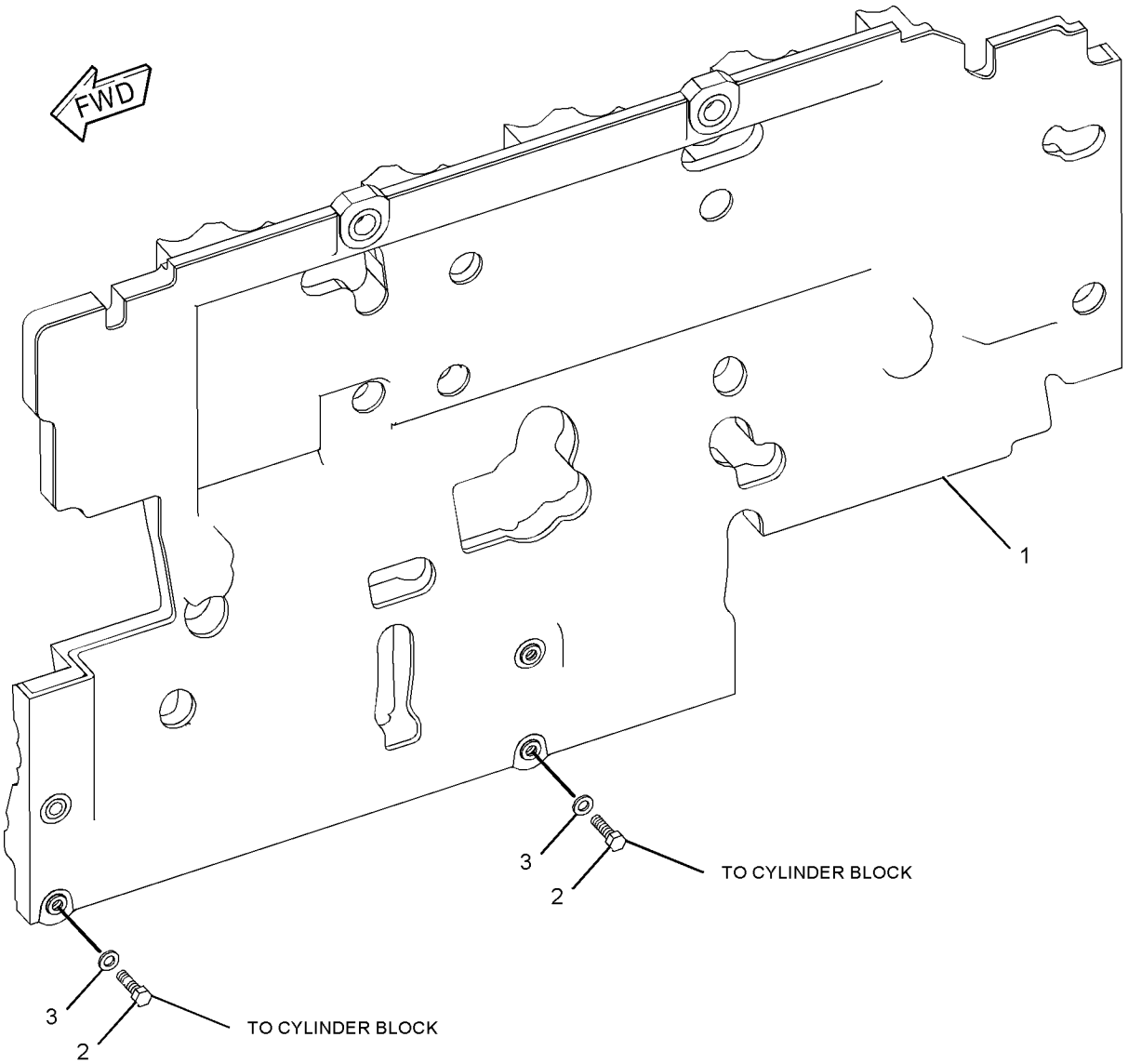
223-9786 PANEL GP-SOUND SUPPRESSION

PROVIDES ADDITIONAL MOUNTING BOSSES
FOR USE WITH BLOCK LEFT HAND SIDE
AN ATTACHMENT

SMCS-1801 **i02808395**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**173-1957**	1	PANEL AS	
C	2	1	**0S-1588**	3	BOLT (3/8-16X1.25-IN)	
C	3	1	**5M-2894**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01085460

229-9933 PANEL GP-SOUND SUPPRESSION–FRONT HOUSING

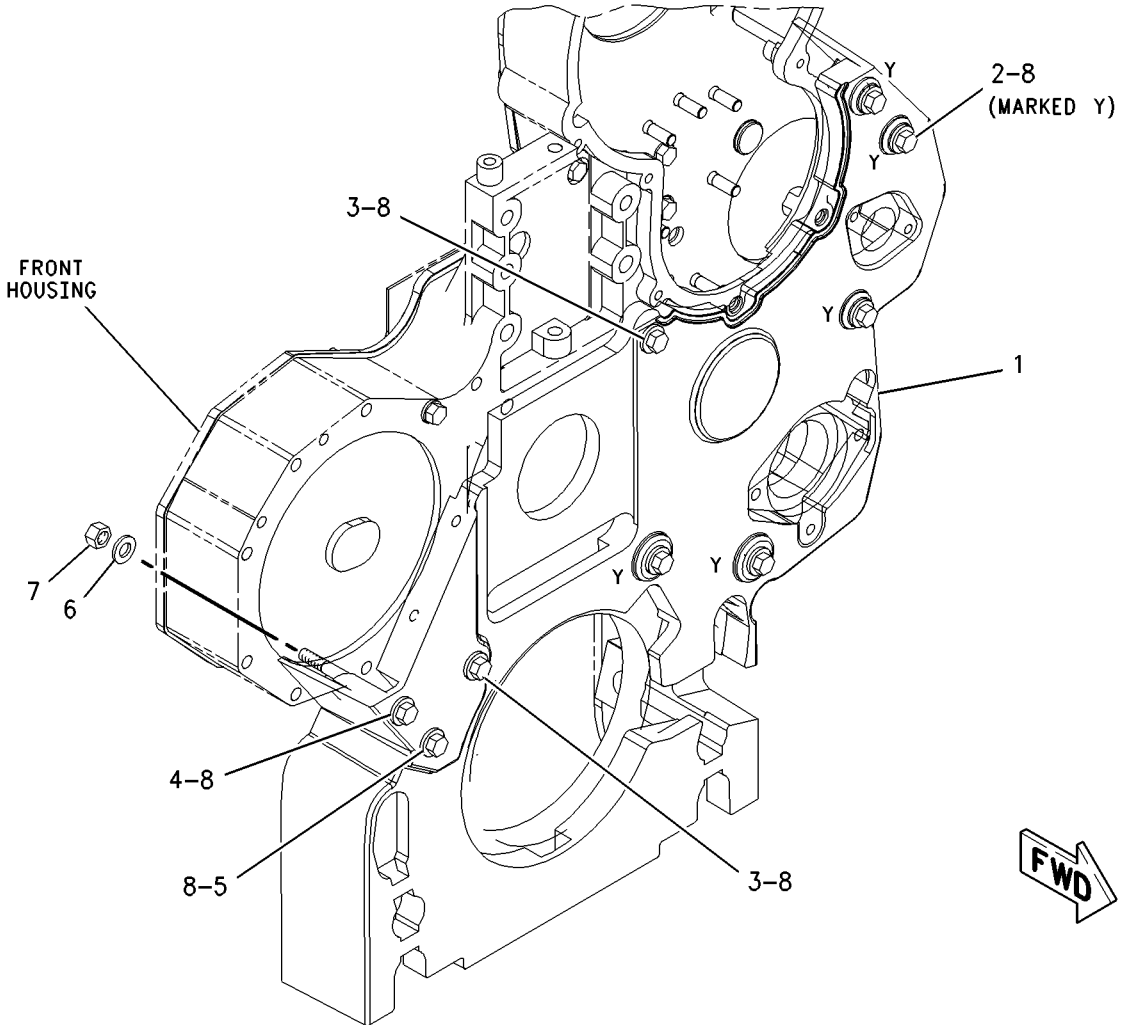
REQUIRES FASTENER GROUP

FOR USE WITH ALTERNATOR MOUNTING GROUP AND ACCESSORY DRIVE GROUP

AN ATTACHMENT

SMCS-1801 **i03175545**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**324-6803**	1	COVER AS-SOUND SUPPRESSION	
	2	1	**0S-1588**	5	BOLT (3/8-16X1.25-IN) (MARKED Y)	
	3	1	**0S-1594**	2	BOLT (3/8-16X1-IN)	
	4	1	**0T-0055**	1	BOLT (3/8-16X4.25-IN)	
	5	1	**1A-5964**	1	BOLT (3/8-16X4.5-IN)	
	6	1	**5M-2894**	1	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	7	1	**9S-8752**	1	NUT-FULL (3/8-16-THD)	
	8	1	**9X-6458**	9	WASHER-HARD (10.2X22.5X3-MM THK)	



GRAPHIC #1 **<END>** g00988227

PRIME PACKAGE

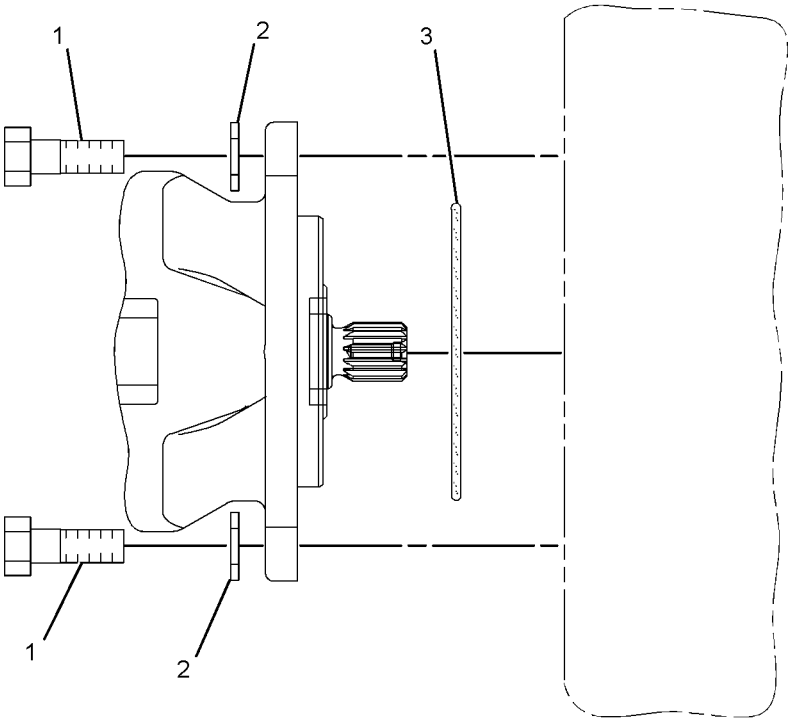
299-8952 MOUNTING GP-PUMP

PART OF 299-8973 PUMP & MTG GP-HYDRAULIC

AN ATTACHMENT

SMCS-5073, 7000 **i03213660**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7B-3235**	2	BOLT (1/2-13X1.375-IN)	
	2	1	**5P-8245**	2	WASHER-HARD (13.5X25.5X3-MM THK)	
	3	1	**4M-0189**	1	SEAL-O-RING	



GRAPHIC #1 **<END>** g01641218

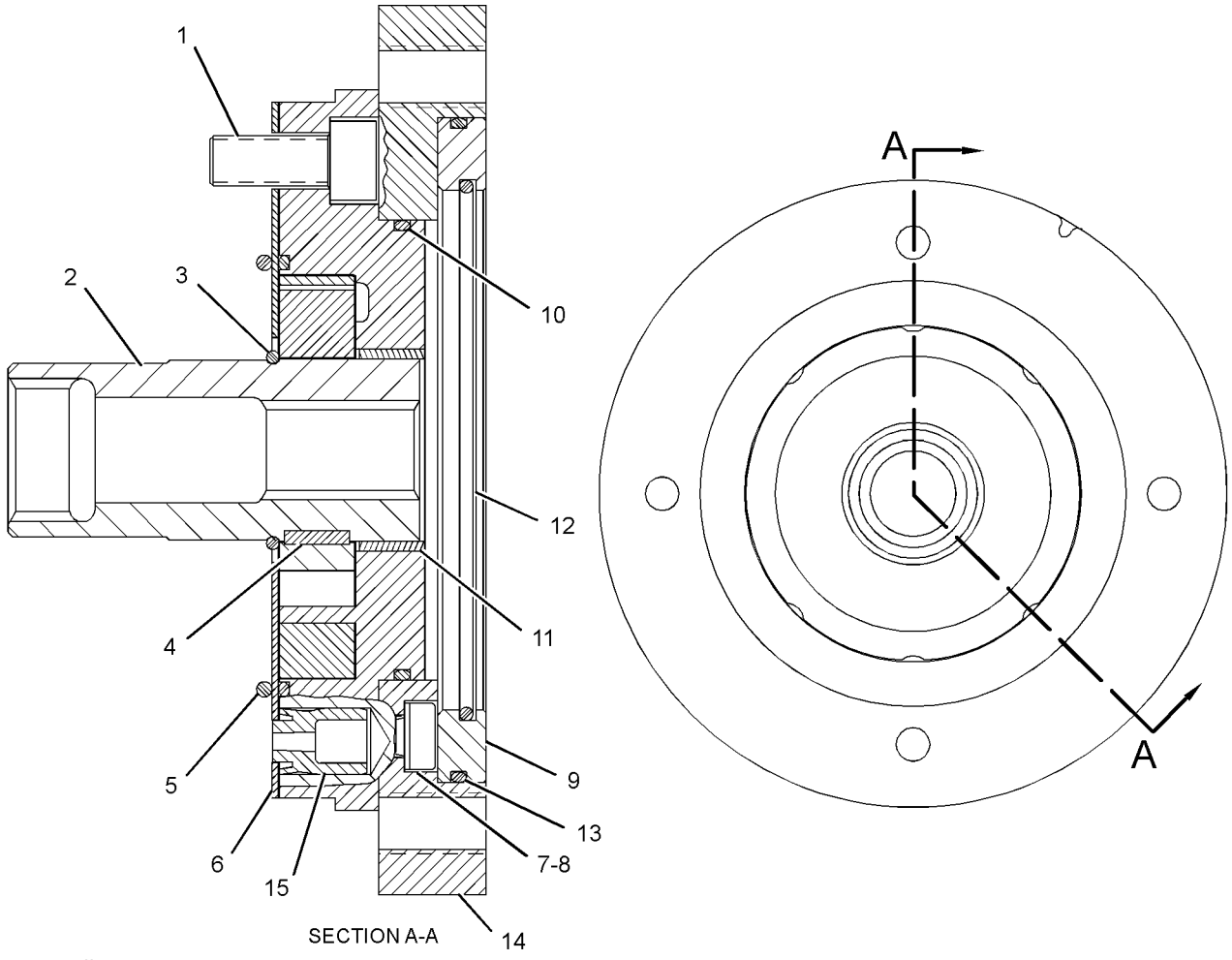
147-8366 PUMP GP-CHARGE

PART OF 297-8255 PUMP GP-HYDRAULIC, 297-8252 PUMP GP-PISTON
AN ATTACHMENT
TYPE 1

SMCS-3203, 3204, 5073 **i02927676**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**8T-1159**	4	BOLT-SOCKET HEAD (M10X1.5X25-MM)	
	2	1	**147-8365**	1	COUPLING	
	3	1	**145-0909**	1	RING	
	4	1	**117-7296**	1	KEY-SHAFT	
	5	1	**6V-2483**	2	SEAL-O-RING	
C	6	1	**235-0588**	1	PLATE-WEAR	
M	7	1	**101-2465**	6	BOLT-SOCKET HEAD (M8X1.25X20-MM)	
	8	1	**123-7598**	6	SEAL-BONDED	
	9	1	**123-7594**	1	RING-CENTERING	
	10	1	**5P-2569**	1	SEAL-O-RING	
	11	1	**126-1477**	1	BUSHING-COUPLING	
	12	1	**3K-0715**	1	SEAL-O-RING	
	13	1	**123-7600**	1	SEAL-O-RING	
	14	1	**145-7449**	1	FLANGE	
C	15	1	**246-5804**	2	PLUG	

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART



GRAPHIC #1 **<END>** g01453290

TRANSMISSION

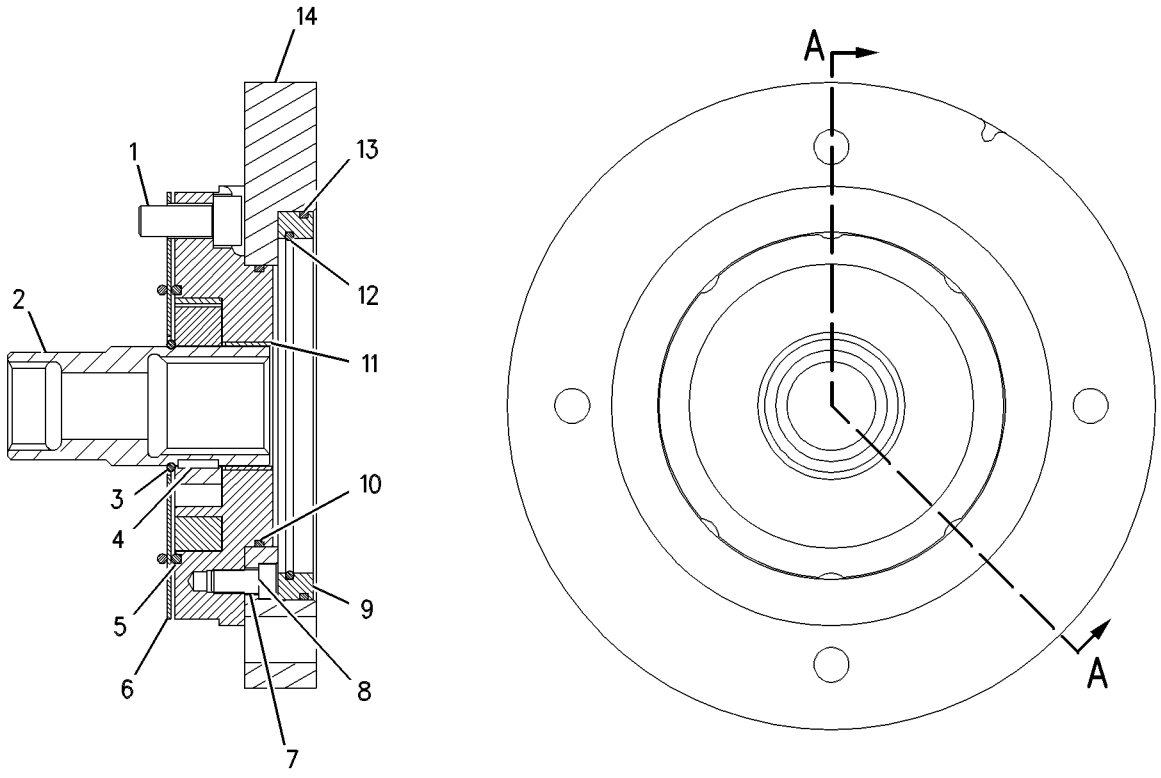
147-8366 PUMP GP-CHARGE

PART OF 297-8255 PUMP GP-HYDRAULIC
AN ATTACHMENT
TYPE 2

SMCS-3203, 3204, 5073 **i01505867**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	1	1	**8T-1159**	4	BOLT-SOCKET HEAD (M10X1.5X25-MM)	
	2	1	**147-8365**	1	COUPLING	
	3	1	**145-0909**	1	RING	
	4	1	**117-7296**	1	KEY-SHAFT	
	5	1	**6V-2483**	2	SEAL-O-RING	
	6	1	**145-0911**	1	PLATE-WEAR	
M	7	1	**101-2465**	6	BOLT-SOCKET HEAD (M8X1.25X20-MM)	
	8	1	**123-7598**	6	SEAL-BONDED	
	9	1	**123-7594**	1	RING-CENTERING	
	10	1	**5P-2569**	1	SEAL-O-RING	
	11	1	**126-1477**	1	BUSHING-COUPLING	
	12	1	**3K-0715**	1	SEAL-O-RING	
	13	1	**123-7600**	1	SEAL-O-RING	
	14	1	**145-7449**	1	FLANGE	

M-METRIC PART



SECTION A-A

GRAPHIC #1 **<END>** g00282934

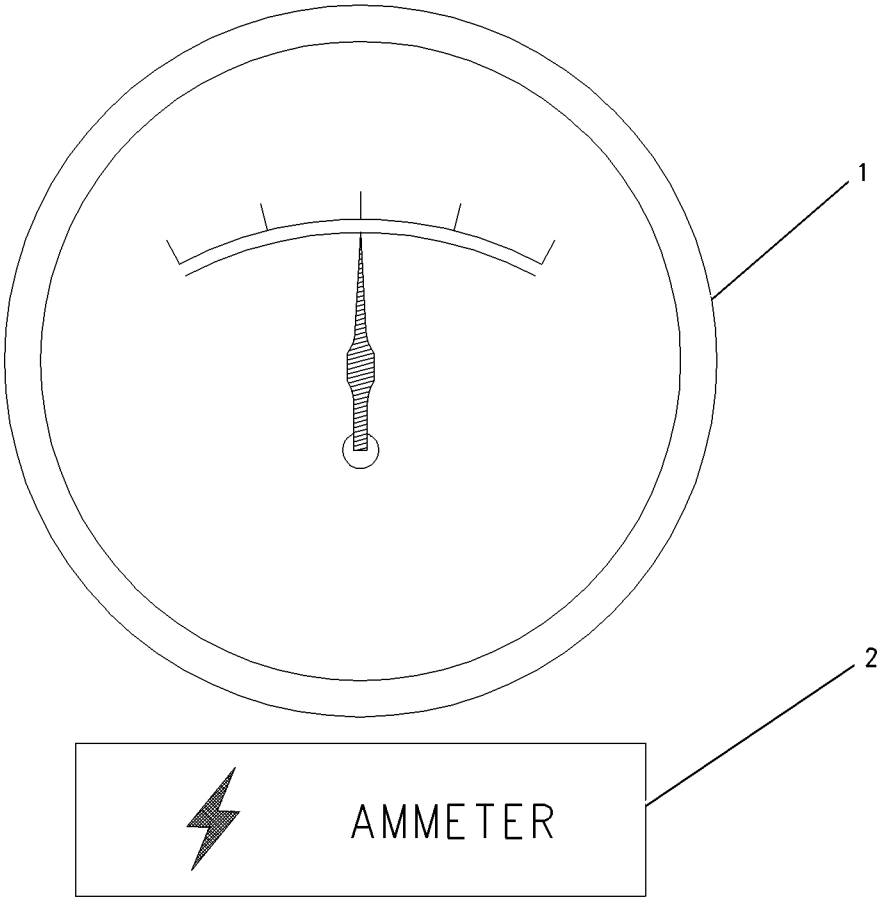
OPERATOR STATION

3N-9012 AMMETER GP

60-AMPERE
FOR USE WITH PREMIUM INSTRUMENT PANEL
AN ATTACHMENT

SMCS-7467 **i02868856**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-5992**	1	AMMETER AS (60-AMPERE)	
		1	**6V-8378**	5	NUT (10-32-THD)	
		1	**8F-1434**	3	LOCKWASHER	
	2	1	**3N-5990**	1	FILM-GAUGE IDENTIFICATION (AMMETER)	



GRAPHIC #1 **<END>** g00781783

OPERATOR STATION

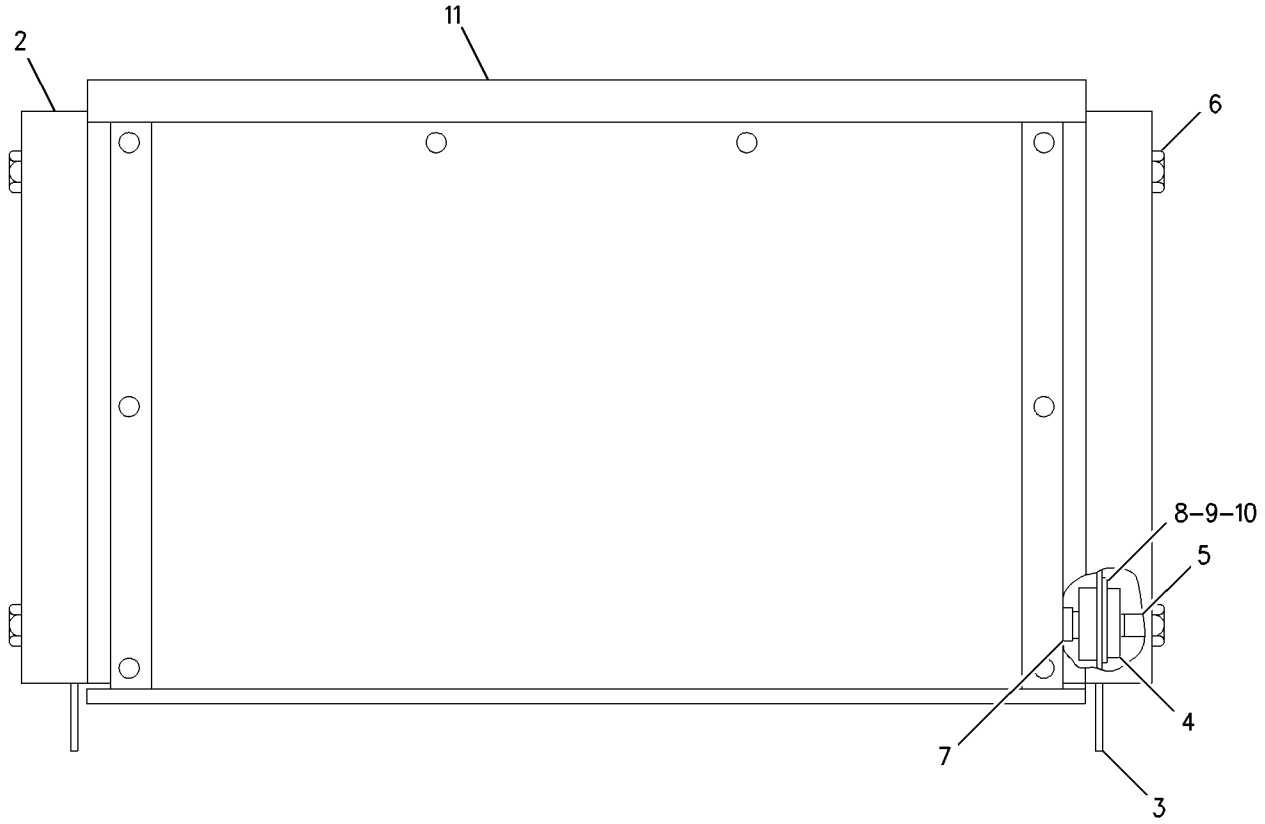
3N-9015 BOX GP-INSTRUMENT PANEL

PART OF 137-7018 PANEL GP-INSTRUMENT

AN ATTACHMENT

SMCS-7451, 7490 **i02730594**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	2	1	**3N-4418**	2	PLATE	
	3	1	**3N-4565**	2	SUPPORT-PANEL	
	4	1	**6I-1815**	4	MOUNT-FLEXIBLE	
	5	1	**9F-3691**	4	SPACER (0.281X0.438X0.26-IN THK)	
	6	1	**5P-2675**	4	BOLT (1/4-20X1.75-IN)	
	7	1	**5N-6646**	4	SPACER (7.14X16X7.5-MM THK)	
	8	1	**3N-4427**	8	SCREW (10-32X1/2-IN)	
	9	1	**4B-2049**	8	NUT (10-32-THD)	
	10	1	**9F-8125**	16	LOCKWASHER	
	11	1	**3N-4420**	1	BOX AS-INSTRUMENT	



GRAPHIC #1 **<END>** g00712969

OPERATOR STATION

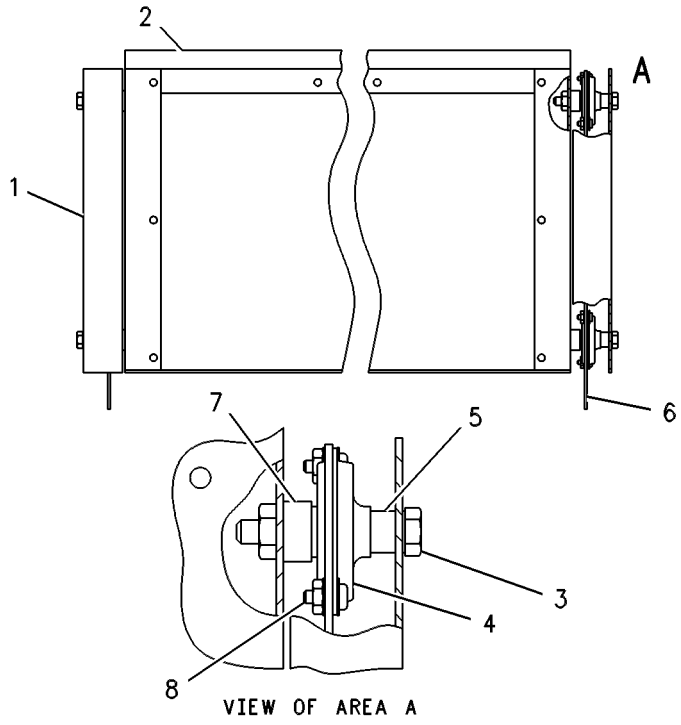
137-7427 BOX GP-INSTRUMENT PANEL

PART OF 137-7020 PANEL GP-INSTRUMENT

AN ATTACHMENT

SMCS-7451, 7490 **i02900464**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-4418**	2	PLATE	
	2	1	**137-7019**	1	BOX AS-INSTRUMENT	
	3	1	**5P-2675**	4	BOLT (1/4-20X1.75-IN)	
	4	1	**6I-1815**	4	MOUNT-FLEXIBLE	
	5	1	**9F-3691**	4	SPACER (0.281X0.438X0.26-IN THK)	
	6	1	**3N-4565**	2	SUPPORT-PANEL	
	7	1	**5N-6646**	4	SPACER (7.14X16X7.5-MM THK)	
	8	1	**2N-3474**	8	SCREW (6-32X0.375-IN)	



GRAPHIC #1

<END>

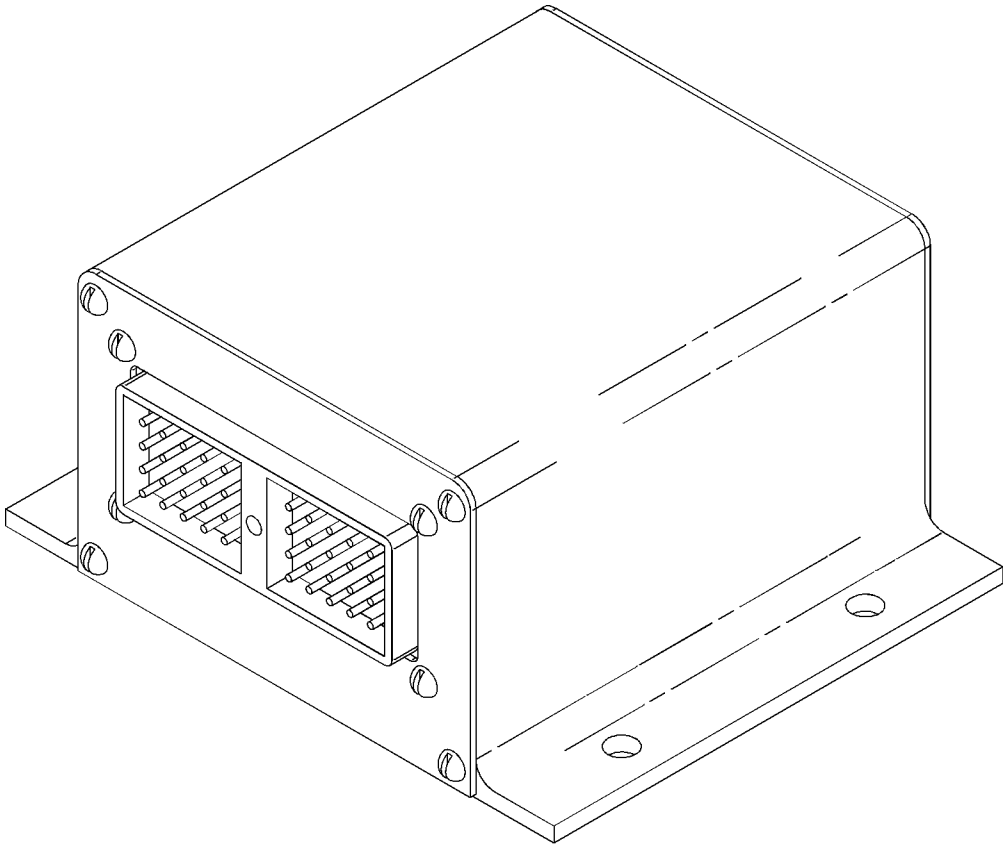
g00271959

OPERATOR STATION

234-0275 CONTROL GP-ENGINE MONITORING–
DISCRETE INPUT/OUTPUT
AN ATTACHMENT

SMCS-1901, 7490 **i02105063**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
					(NO SERVICED PARTS)	



GRAPHIC #1 **<END>** g01072402

OPERATOR STATION

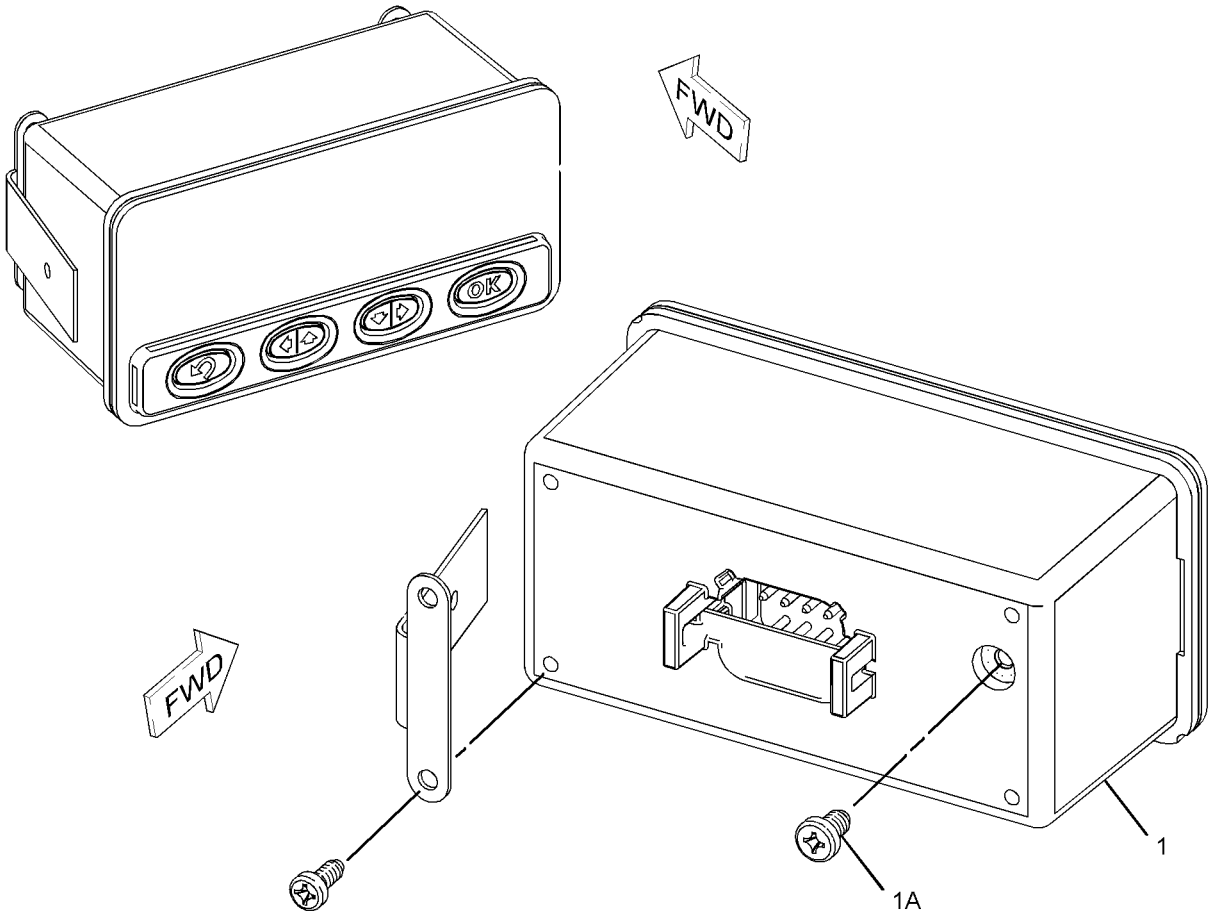
239-5025 CONTROL GP-UNPRGMED MONITOR—MESSENGER

PART OF 243-3820 MODULE GP-DISPLAY

AN ATTACHMENT

SMCS-7610 **i03537508**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	*239-5024*	1	CONTROL GP-MONITOR (MESSENGER)	
	1A	1	**124-0312**	1	SCREW-PAN HEAD (8-16X0.32-IN)	



GRAPHIC #1 **<END>** g01866019

OPERATOR STATION

207-2823 GAUGE GP-COOLANT TEMPERATURE—ENGINE

0-250 DEG F

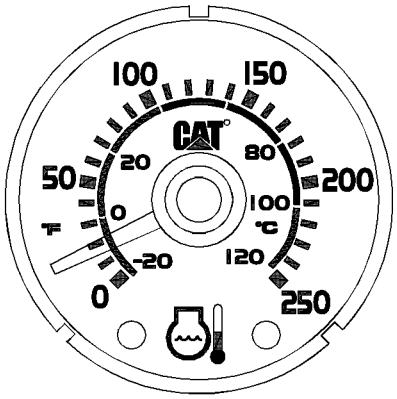
PART OF 232-4608 PANEL GP-INSTRUMENT

FIELD REPLACEMENT ORDER 275-2081—PAGE 1035. FOR USE WITH 210-4309—PAGE 868 AN ATTACHMENT

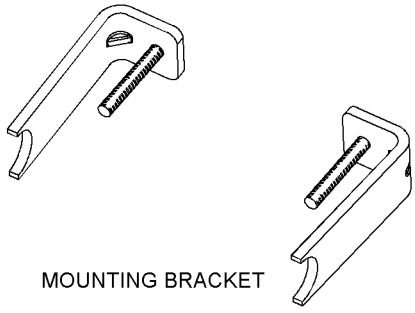
SMCS-7450, 7453 **i03551802**

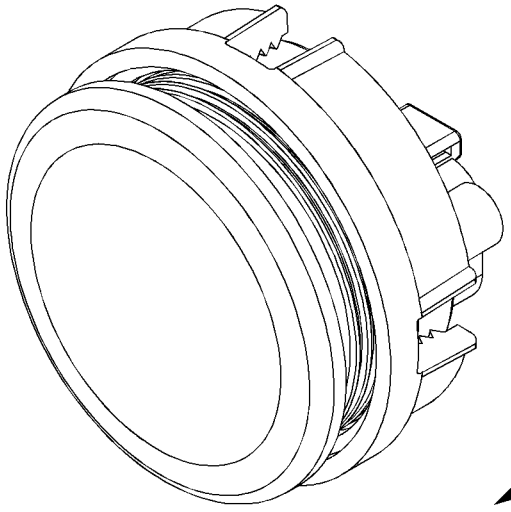
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS & WEDGE)	
	2	1	**186-3736**	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	3	1	**155-2263**	1	WEDGE-PLUG LOCK (6-PIN)	
B	4	1	**9B-7233**	2	LOCKWASHER	
B	5	1	**4B-2043**	2	NUT (8-32-THD)	
AF			**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR	
					ASSEMBLY AND MOUNTING PANEL)	

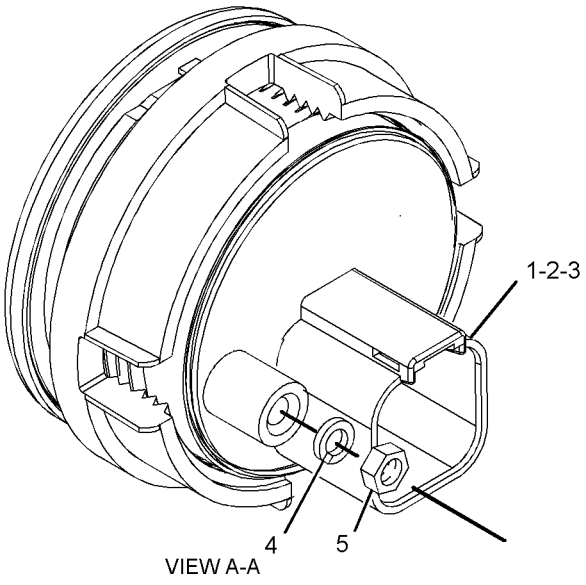
A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
F-NOT SHOWN



DIAL FACE


MOUNTING BRACKET





VIEW A-A

GRAPHIC #1 **<END>** g01610696

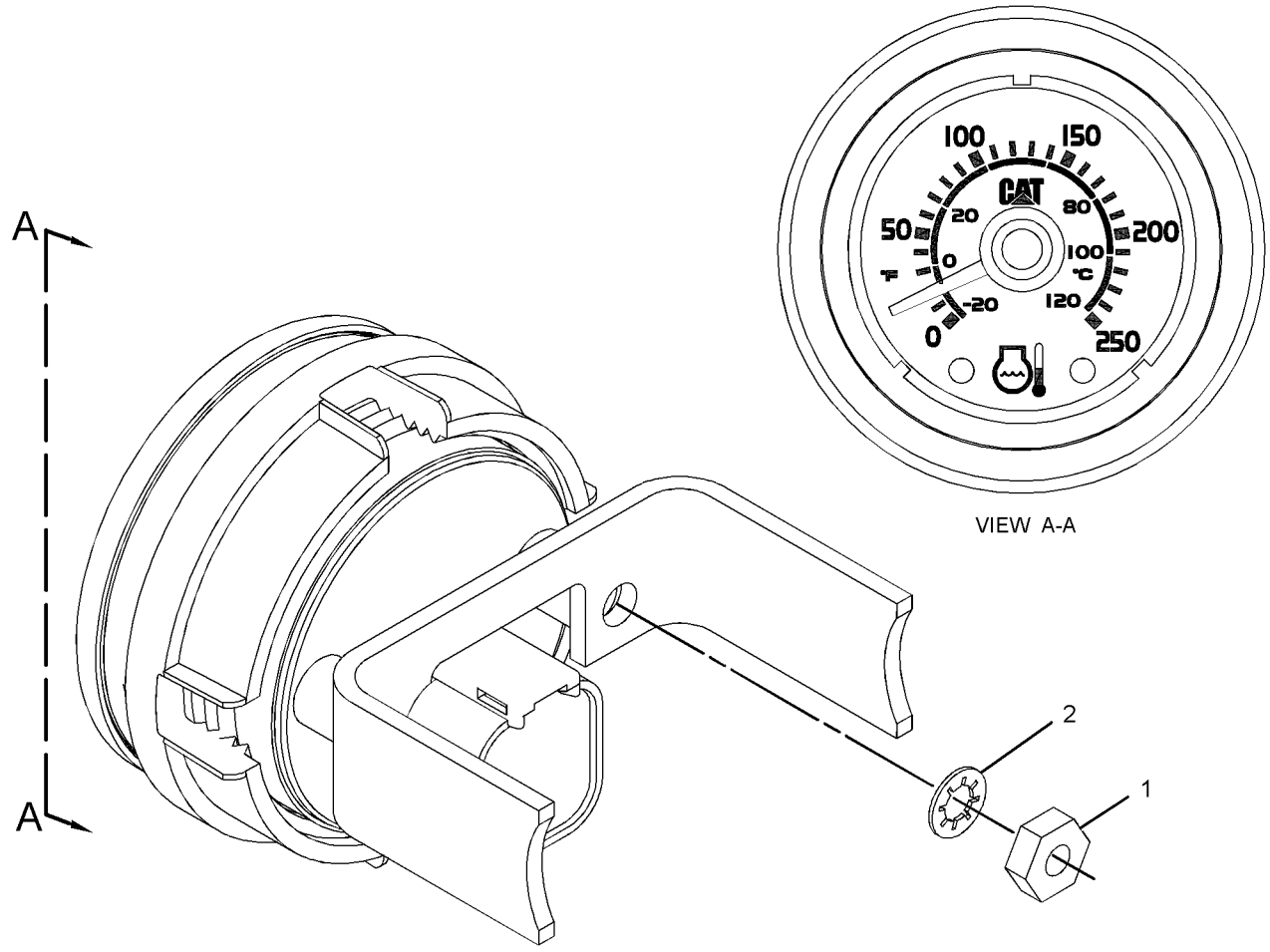
275-2081 GAUGE GP-COOLANT TEMPERATURE—ENGINE

0-250-DEGREE F, 0-120-DEGREE C
PART OF 266-2296, 341-7344 PANEL GP-INSTRUMENT
FIELD REPLACEMENT FOR 207-2823—PAGE 1034
AN ATTACHMENT

SMCS-7450, 7453 **i03409501**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-2043**	2	NUT (8-32-THD)	
	2	1	**9B-7233**	2	LOCKWASHER	
AF			**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR ASSEMBLY AND MOUNTING PANEL)	

A-NOT PART OF THIS GROUP
F-NOT SHOWN



GRAPHIC #1 **<END>** g01293851

OPERATOR STATION

207-2824 GAUGE GP-ENGINE OIL PRESSURE

0-100 PSI

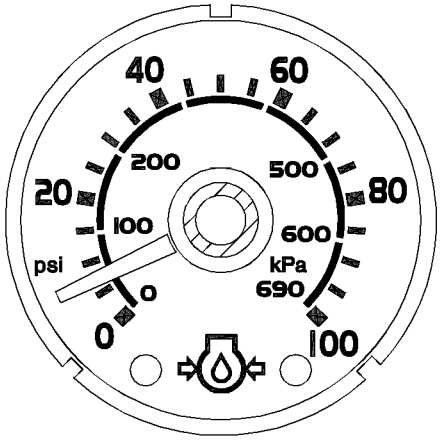
PART OF 232-4608 PANEL GP-INSTRUMENT

FIELD REPLACEMENT ORDER 275-2096—PAGE 1037. FOR USE WITH 210-4309—PAGE 868 AN ATTACHMENT

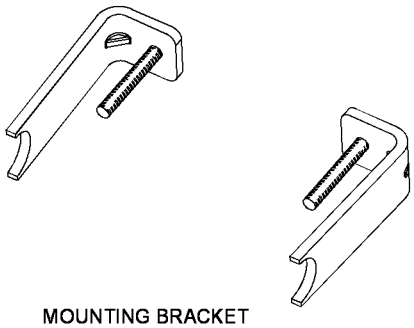
SMCS-7455 **i03551803**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS & WEDGE)	
	2	1	**186-3736**	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	3	1	**155-2263**	1	WEDGE-PLUG LOCK (6-PIN)	
	4	1	**9B-7233**	2	LOCKWASHER	
	5	1	**4B-2043**	2	NUT (8-32-THD)	
AF			**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR	
					ASSEMBLY AND MOUNTING PANEL)	

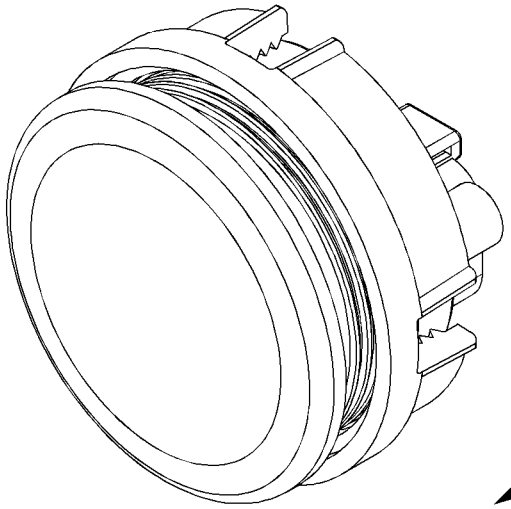
A-NOT PART OF THIS GROUP
F-NOT SHOWN

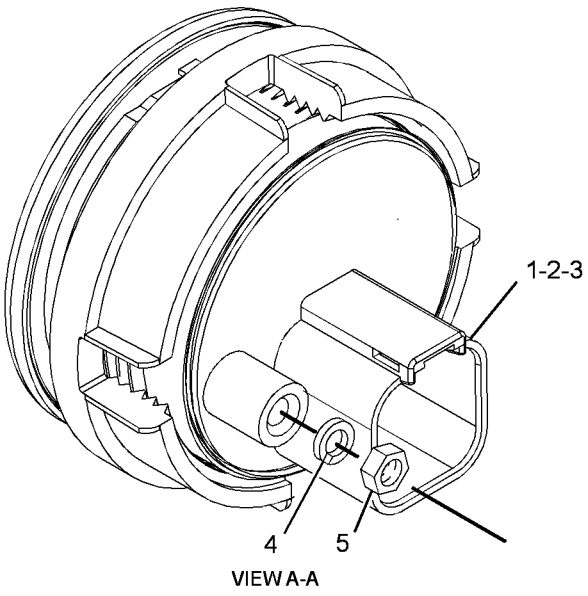


DIAL FACE



MOUNTING BRACKET





VIEW A-A

GRAPHIC #1 **<END>** g01640214

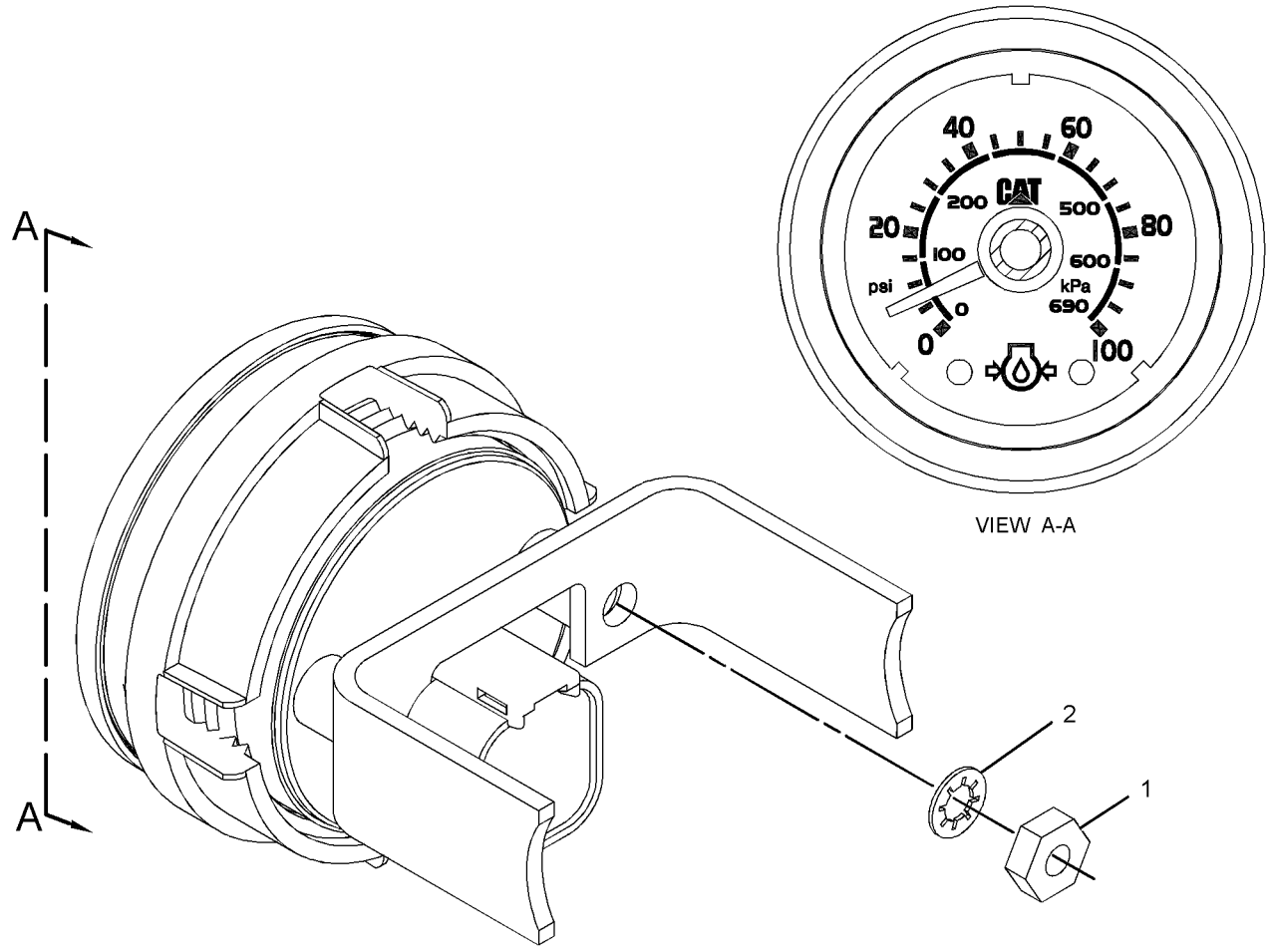
275-2096 GAUGE GP-ENGINE OIL PRESSURE

0-PSI TO 100-PSI
PART OF 266-2296, 341-7344 PANEL GP-INSTRUMENT
FIELD REPLACEMENT FOR 207-2824—PAGE 1036
AN ATTACHMENT

SMCS-7455 **i02879333**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-2043**	2	NUT (8-32-THD)	
	2	1	**9B-7233**	2	LOCKWASHER	
AF		1	**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR ASSEMBLY AND MOUNTING PANEL)	

A-NOT PART OF THIS GROUP
F-NOT SHOWN



VIEW A-A

GRAPHIC #1 **<END>** g01293867

OPERATOR STATION

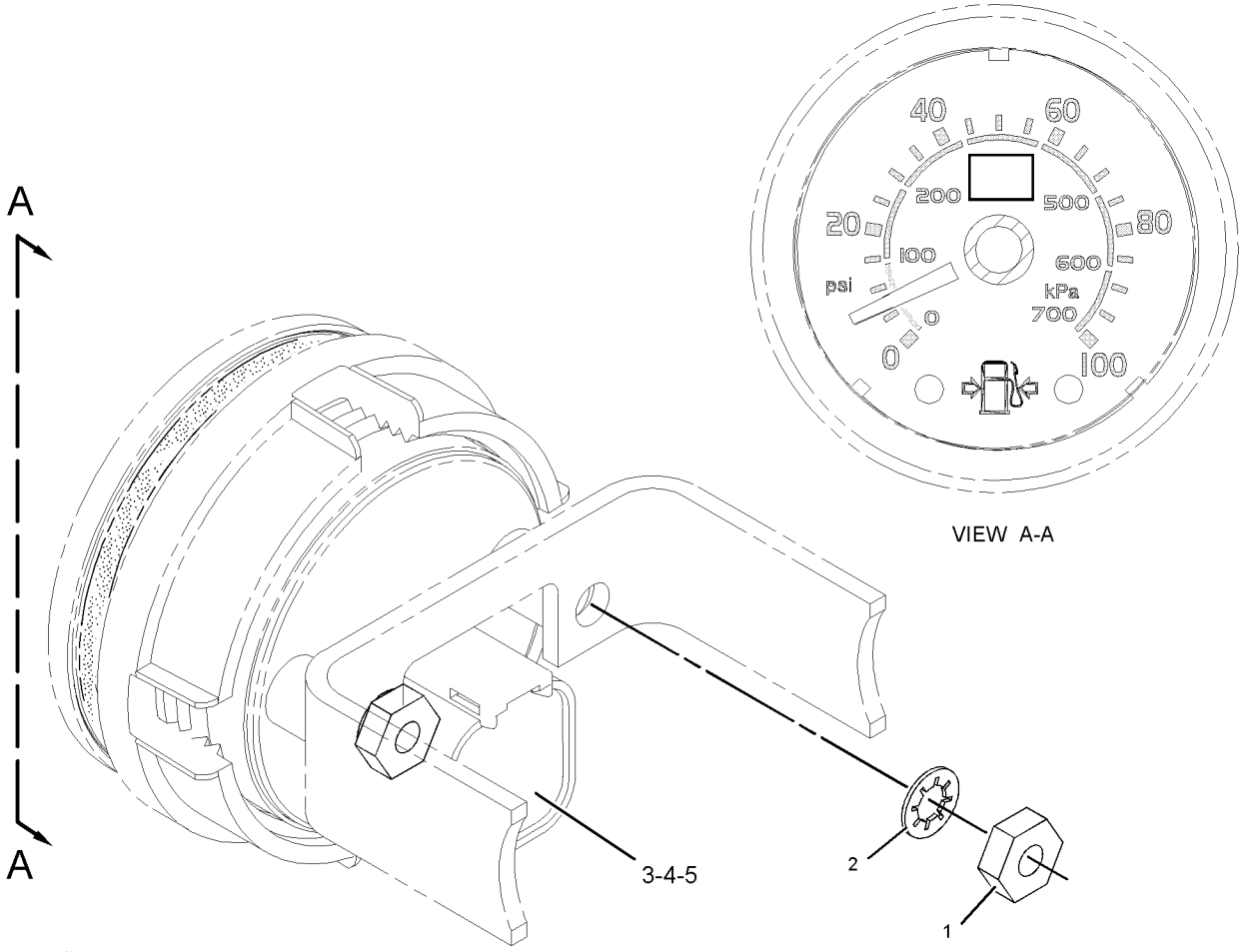
211-0745 GAUGE GP-FUEL PRESSURE

0-PSI TO 100-PSI
PART OF 232-4608 PANEL GP-INSTRUMENT
FIELD REPLACEMENT ORDER 275-2086—PAGE 1039
AN ATTACHMENT

SMCS-7456 **i03551929**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-2043**	2	NUT (8-32-THD)	
	2	1	**9B-7233**	2	LOCKWASHER	
	3	1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
	4	1	**186-3736**	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	5	1	**155-2263**	1	WEDGE-PLUG LOCK (6-PIN)	
AF			**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR	
					ASSEMBLY AND MOUNTING PANEL)	

A-NOT PART OF THIS GROUP
F-NOT SHOWN



GRAPHIC #1 **<END>** g01117674

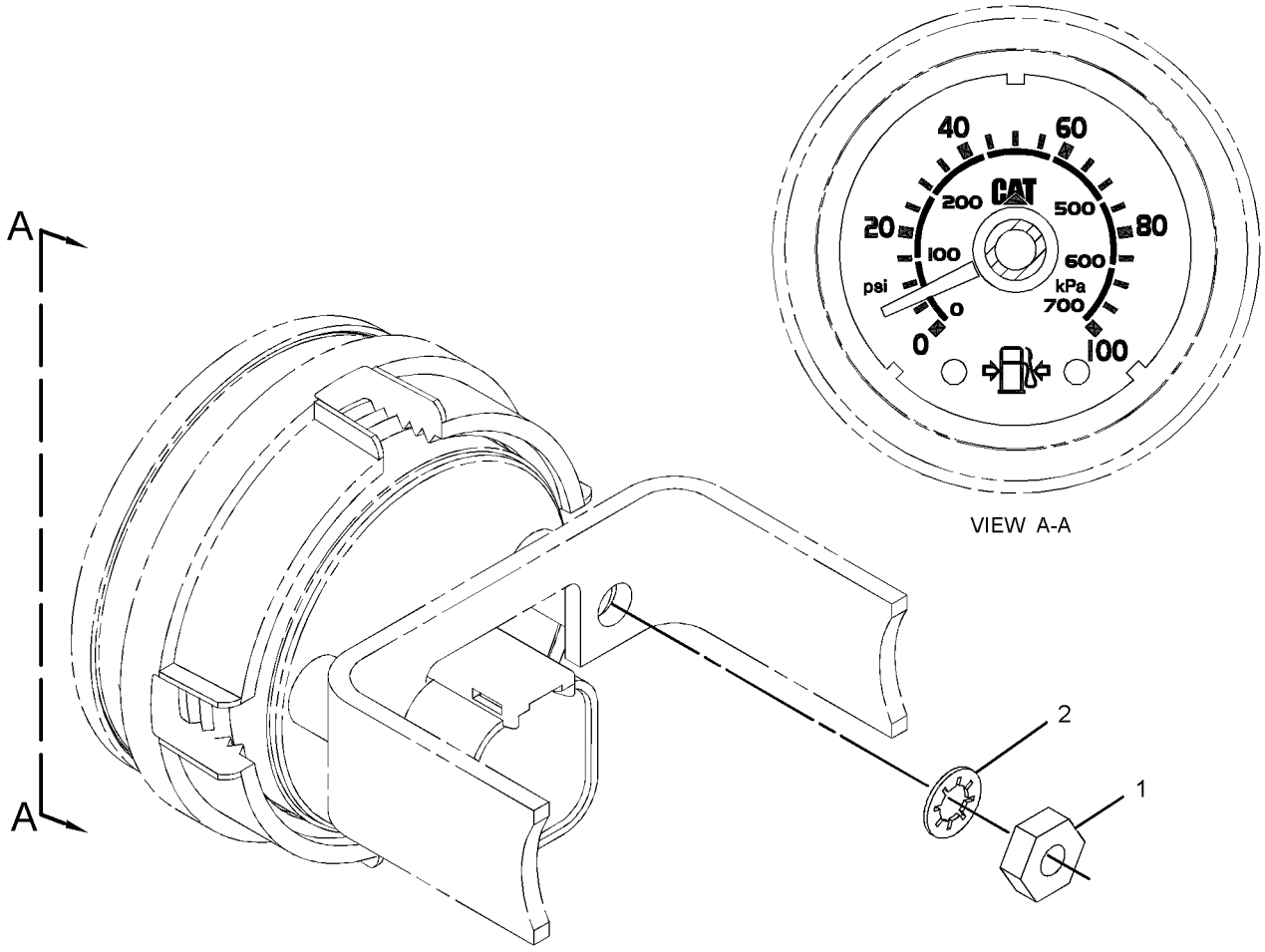
275-2086 GAUGE GP-FUEL PRESSURE

0-PSI TO 100-PSI
PART OF 266-2296, 341-7344 PANEL GP-INSTRUMENT
FIELD REPLACEMENT FOR 211-0745—PAGE 1038
AN ATTACHMENT

SMCS-7456 **i02879415**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-2043**	2	NUT (8-32-THD)	
	2	1	**9B-7233**	2	LOCKWASHER	
AF		1	**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR ASSEMBLY AND MOUNTING PANEL)	

A-NOT PART OF THIS GROUP
F-NOT SHOWN



GRAPHIC #1 **<END>** g01218288

OPERATOR STATION

243-3820 MODULE GP-DISPLAY—MESSENGER

AN ATTACHMENT

SMCS-7490 **i02276394**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**239-5025**	1	CONTROL GP-UNPRGMED MONITOR (MESSENGER)	1033

Y-SEPARATE ILLUSTRATION

<END>

OPERATOR STATION

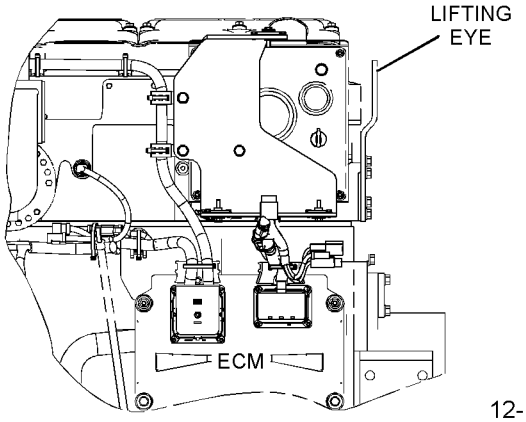
237-4293 MOUNTING GP-INSTRUMENT PANEL

FOR USE WITH 266-2297—PAGE 1065. CANNOT BE USED WITH CUSTOMER HARNESS, 8 HOLES INSTRUMENT PANEL (MECHANICAL GAUGES), AND HIGH MOUNT FUEL LINES AN ATTACHMENT

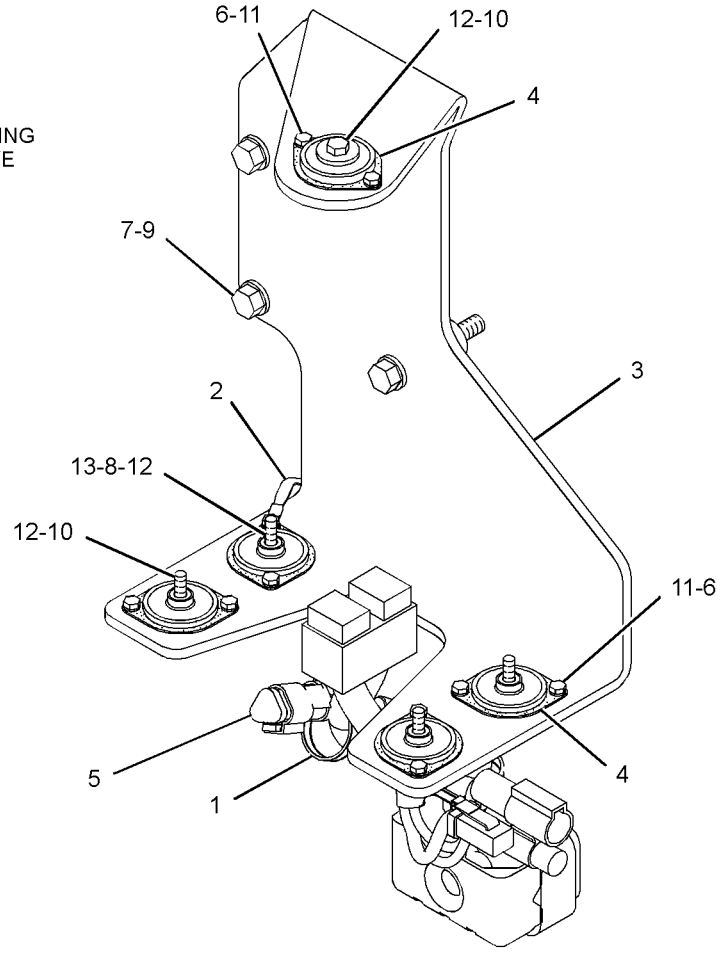
SMCS-7451 **i02939558**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
	2	1	**7X-6315**	1	STRAP AS-GROUND	
	3	1	**237-4303**	1	BRACKET AS	
	4	1	**245-7598**	5	MOUNT AS	
	5	1	**276-0827**	1	HARNESS AS-CONTROL (INSTRUMENT PANEL)	
		1	**3S-2093**	3	STRAP-CABLE	
		1	**7X-6222**	1	PLUG AS-CONNECTOR (24-PIN)	
		1	**3E-4367**	1	RING-RETAINING	
M		1	**3E-8558**	1	BOLT (M5X0.8X39.37-MM)	
		1	**9X-3265**	2	SEAL-CONNECTOR (24-PIN)	
E		1	**119-3662**		TUBE-HEAT SHRINK (10.85-MM DIA) (13-CM)	
E		1	**125-7874**		TUBE-HEAT SHRINK (5.72-MM DIA) (5-CM)	
E		1	**125-7875**		TUBE-HEAT SHRINK (7.44-MM DIA) (20-CM)	
		1	**127-5485**	1	PLUG AS-CONNECTOR (1-PIN)	
		1	**127-5486**	1	RECEPTACLE AS-CONNECTOR (1-PIN)	
		1	**176-9299**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**160-7689**	1	PLUG AS-CONNECTOR (70-PIN)	
		1	**174-3016**	1	PLUG AS-CONNECTOR (3-PIN)	
		1	**237-0336**	1	COVER	
	6	1	**3B-4502**	10	LOCKWASHER	
	7	1	**4L-6459**	3	BOLT (3/8-16X2.5-IN)	
M	8	1	**7X-2533**	1	BOLT (M6X1X35-MM)	
	9	1	**8T-4896**	3	WASHER-HARD (10.2X18.5X2.5-MM THK)	
M	10	1	**8T-4971**	4	BOLT (M6X1X30-MM)	
M	11	1	**8T-7852**	10	BOLT (M4X0.7X10-MM)	
	12	1	**9X-6165**	5	WASHER (6.5X22X2.5-MM THK)	
	13	1	**9X-8256**	1	WASHER (6.6X12X2-MM THK)	

E-ORDER BY THE CENTIMETER
M-METRIC PART



LEFT SIDE VIEW



GRAPHIC #1 **<END>** g01260177

OPERATOR STATION

241-0470 MOUNTING GP-INSTRUMENT PANEL

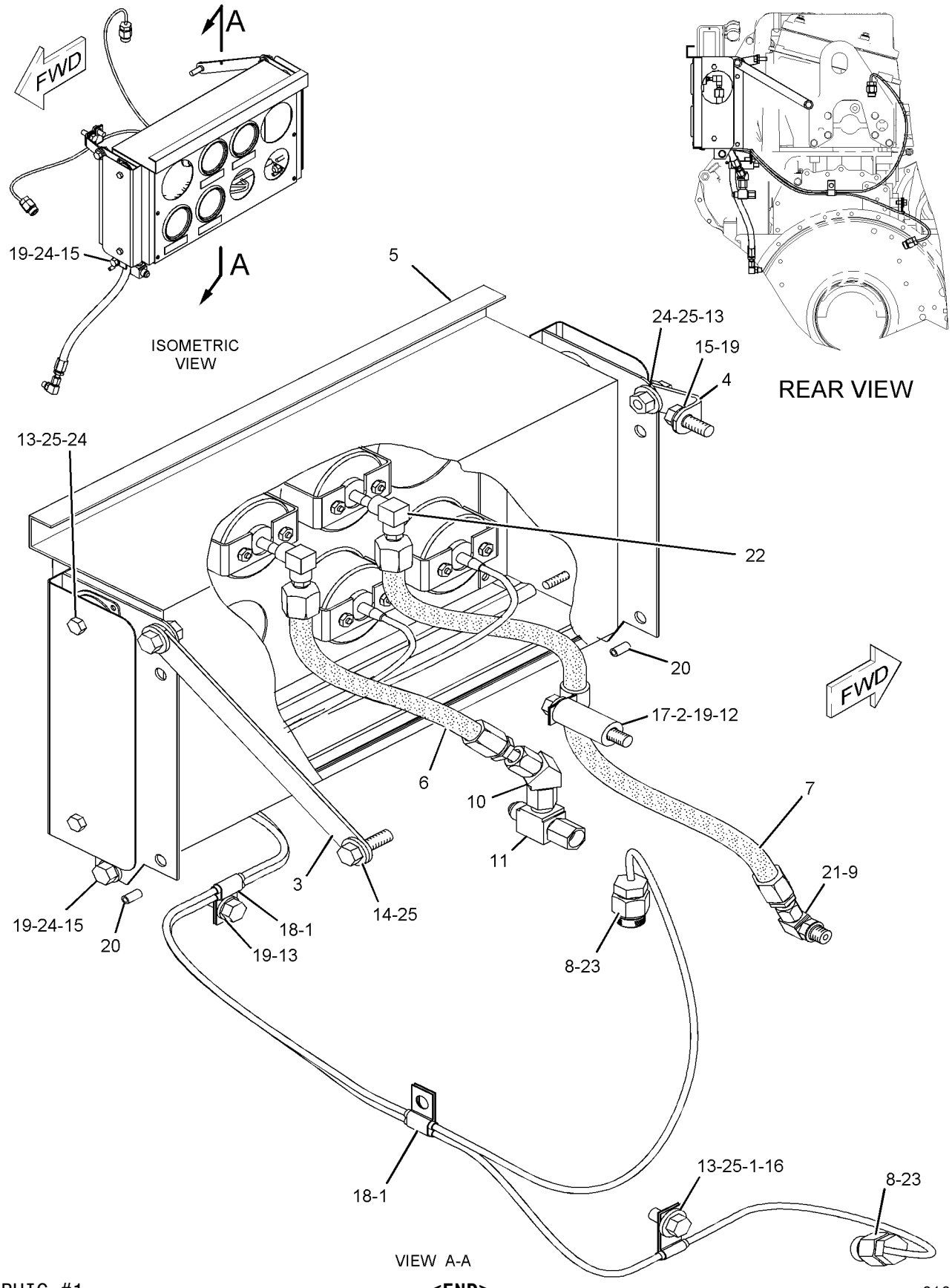
CANNOT BE USED WITH HIGH MOUNT FUEL LINES(LH)

AN ATTACHMENT

SMCS-7451 **i01991923**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8F-0244**	5	GROMMET	
	2	1	**092-2467**	1	SPACER (10.5X2X45-MM THK)	
	3	1	**130-5885**	1	STRAP	
	4	1	**130-5886**	1	ANGLE	
Y	5	1	**137-7018**	1	PANEL GP-INSTRUMENT	1049
I	6	1	**197-9183**	1	HOSE AS	
I	7	1	**199-5621**	1	HOSE AS	
	8	1	**235-3612**	2	ADAPTER	
	9	1	**030-7946**	1	ELBOW	
	10	1	**030-7962**	1	ELBOW	
	11	1	**061-9258**	1	TEE	
	12	1	**0L-1143**	1	BOLT (3/8-16X2.5-IN)	
	13	1	**0S-0509**	4	BOLT (3/8-16X0.75-IN)	
	14	1	**0S-1588**	1	BOLT (3/8-16X1.25-IN)	
	15	1	**0S-1594**	3	BOLT (3/8-16X1-IN)	
	16	1	**3L-2875**	1	CLIP	
	17	1	**4K-8864**	1	CLIP	
	18	1	**5K-2298**	2	CLIP	
	19	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	20	1	**6B-6863**	2	PIN-SPRING	
	21	1	**6V-5048**	1	SEAL-O-RING	
	22	1	**8B-4884**	2	ELBOW	
	23	1	**8L-2786**	2	SEAL-O-RING	
	24	1	**9S-8752**	4	NUT-FULL (3/8-16-THD)	
	25	1	**9X-6458**	6	WASHER-HARD (10.2X22.5X3-MM THK)	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01032778

OPERATOR STATION

241-0471 MOUNTING GP-INSTRUMENT PANEL

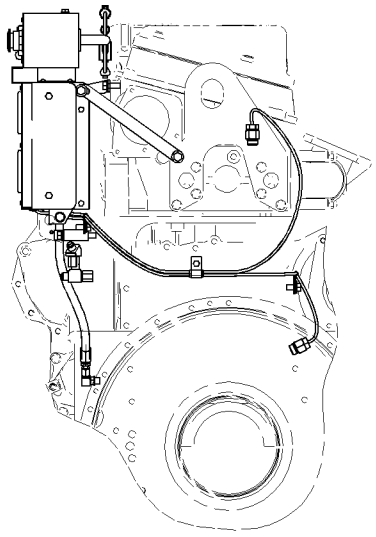
CANNOT BE USED WITH HIGH MOUNT FUEL LINES

AN ATTACHMENT

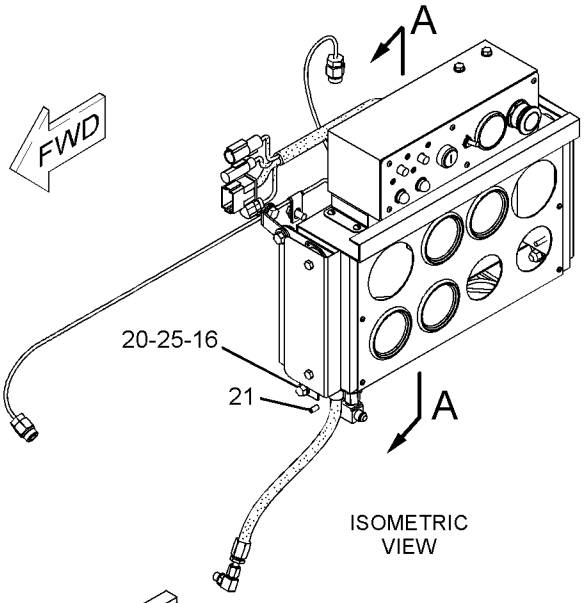
SMCS-7451 **i01991924**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**8F-0244**	5	GROMMET	
	2	1	**092-2467**	1	SPACER (10.5X2X45-MM THK)	
	3	1	**130-5885**	1	STRAP	
	4	1	**130-5886**	1	ANGLE	
Y	5	1	**137-7020**	1	PANEL GP-INSTRUMENT	1051
Y	6	1	*195-1345*	1	CONTROL GP-AUTO START/STOP	848
I	7	1	**197-9183**	1	HOSE AS	
I	8	1	**199-5621**	1	HOSE AS	
	9	1	**235-3612**	2	ADAPTER	
	10	1	**030-7946**	1	ELBOW	
	11	1	**030-7962**	1	ELBOW	
	12	1	**061-9258**	1	TEE	
	13	1	**0L-1143**	1	BOLT (3/8-16X2.5-IN)	
	14	1	**0S-0509**	4	BOLT (3/8-16X0.75-IN)	
	15	1	**0S-1588**	1	BOLT (3/8-16X1.25-IN)	
	16	1	**0S-1594**	3	BOLT (3/8-16X1-IN)	
	17	1	**3L-2875**	1	CLIP	
	18	1	**4K-8864**	1	CLIP	
	19	1	**5K-2298**	2	CLIP	
	20	1	**5M-2894**	7	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	21	1	**6B-6863**	2	PIN-SPRING	
	22	1	**6V-5048**	1	SEAL-O-RING	
	23	1	**8B-4884**	2	ELBOW	
	24	1	**8L-2786**	2	SEAL-O-RING	
	25	1	**9S-8752**	4	NUT-FULL (3/8-16-THD)	
	26	1	**9X-6458**	6	WASHER-HARD (10.2X22.5X3-MM THK)	

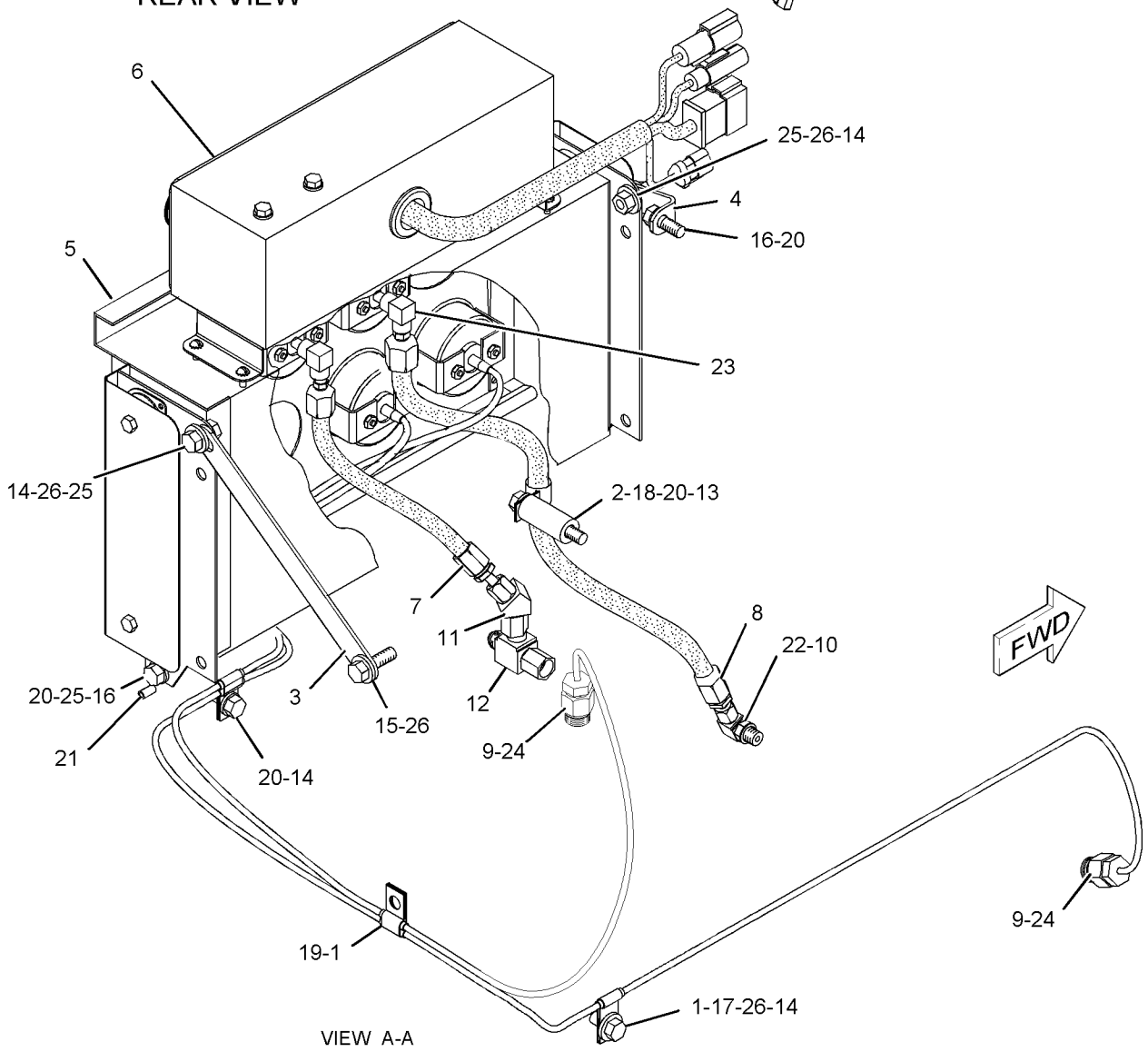
I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



REAR VIEW



ISOMETRIC VIEW



VIEW A-A

GRAPHIC #1 **<END>** g01032655

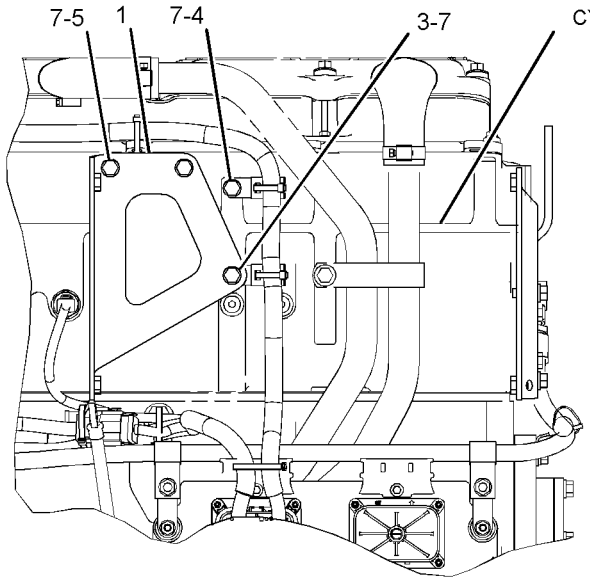
OPERATOR STATION

262-4162 MOUNTING GP-INSTRUMENT PANEL

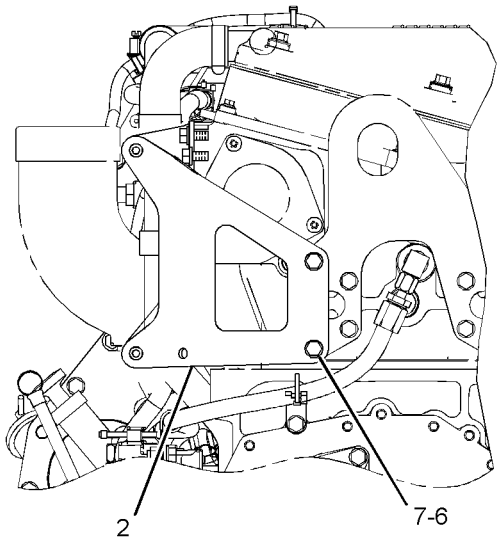
FOR USE WITH 262-4165—PAGE 273, SINGLE AND TWIN TURBO
AN ATTACHMENT

SMCS-7451 **i02265289**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**262-4163**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	2	1	**262-4164**	1	BRACKET AS	
		1	**1F-0750**	2	NUT-WELD (3/8-16-THD)	
	3	1	**4L-6454**	1	BOLT (3/8-16X1-IN)	
	4	1	**5M-3062**	1	BOLT (3/8-16X0.75-IN)	
	5	1	**5S-7379**	2	BOLT (3/8-16X0.875-IN)	
	6	1	**8T-2502**	2	BOLT (3/8-16X1.125-IN)	
	7	1	**8T-4896**	6	WASHER-HARD (10.2X18.5X2.5-MM THK)	



LEFT SIDE VIEW



REAR VIEW

GRAPHIC #1 **<END>** g01138872

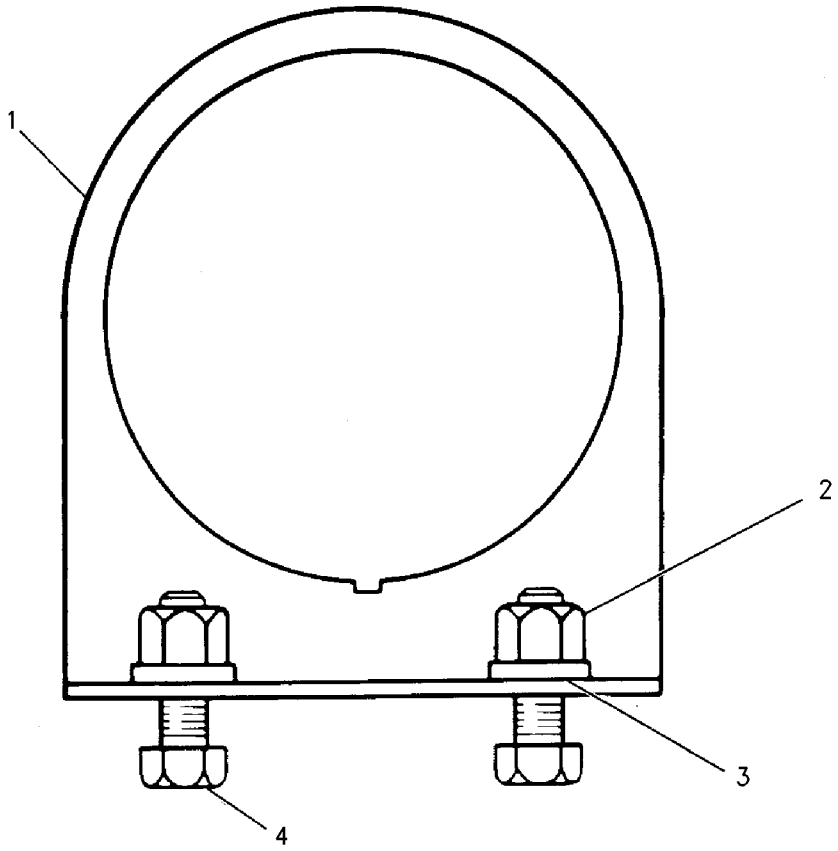
OPERATOR STATION

7L-4535 MOUNTING GP-TACHOMETER

FOR USE WITH ENGINE MOUNTED MECHANICAL TACHOMETERS
AN ATTACHMENT

SMCS-7462 **i01791177**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7L-4536**	1	BRACKET-TACHOMETER	
	2	1	**6V-8189**	2	NUT (5/16-18-THD)	
	3	1	**8T-4224**	2	WASHER-HARD (8.8X16X2-MM THK)	
	4	1	**5K-0906**	2	BOLT (5/16-18X0.625-IN)	



GRAPHIC #1 **<END>** g00917518

OPERATOR STATION

137-7018 PANEL GP-INSTRUMENT

FOUR GAUGE

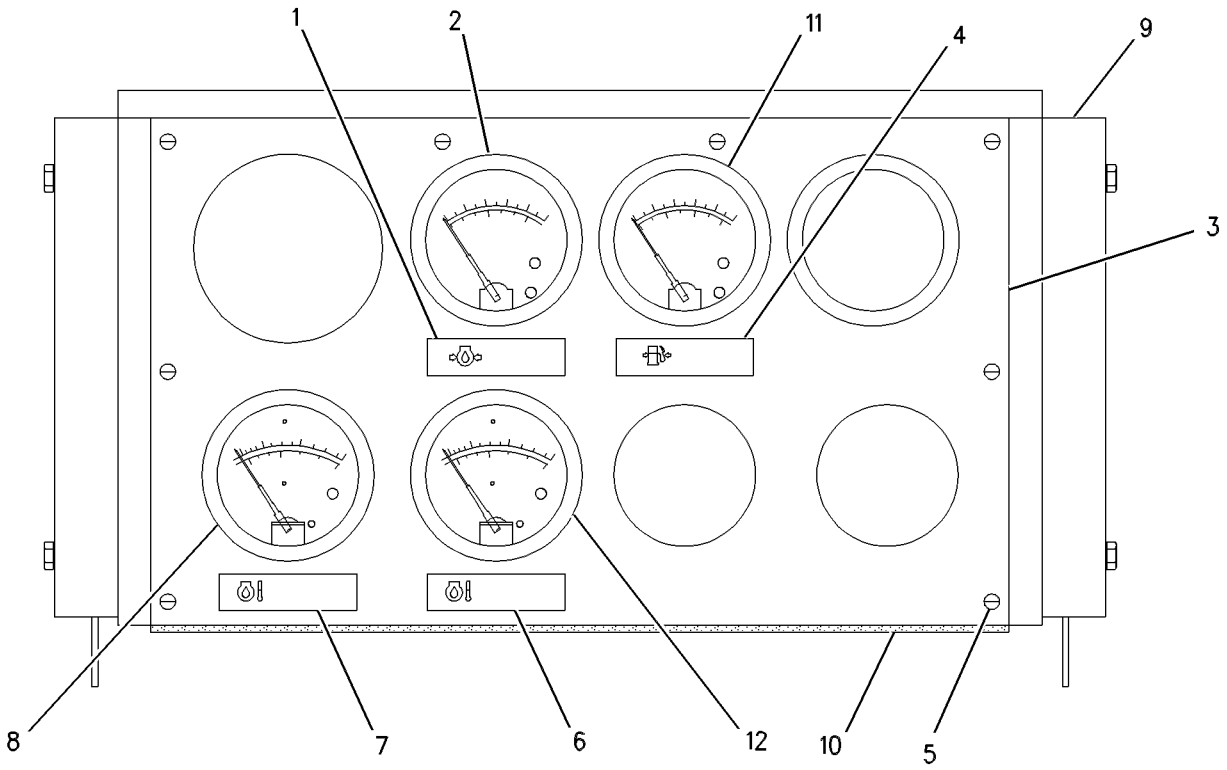
PART OF 241-0470 MOUNTING GP-INSTRUMENT PANEL, 262-4161 PANEL GP-INSTRUMENT

AN ATTACHMENT

SMCS-7451 **i01990824**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-5986**	1	FILM-IDENTIFICATION (ENGINE OIL PRESSURE)	
	2	1	**4W-0506**	1	GAUGE AS-PRESSURE (ENGINE OIL)	
		1	**4B-2049**	2	NUT (10-32-THD)	
		1	**8F-1434**	2	LOCKWASHER	
	3	1	**3N-9014**	1	PLATE-PANEL	
	4	1	**3N-5988**	1	FILM-IDENTIFICATION (FUEL PRESSURE)	
	5	1	**3N-4427**	8	SCREW (10-32X1/2-IN)	
	6	1	**3N-5987**	1	FILM-IDENTIFICATION (JACKET WATER TEMPERATURE)	
	7	1	**2W-7811**	1	FILM-IDENTIFICATION (ENGINE OIL TEMPERATURE)	
	8	1	**4W-2683**	1	GAUGE GP-TEMPERATURE (ENGINE OIL)	
		1	**4B-2049**	2	NUT (10-32-THD)	
		1	**8F-1434**	2	LOCKWASHER	
Y	9	1	**3N-9015**	1	BOX GP-INSTRUMENT PANEL	1030
	10	1	**3N-8269**	2	STRIP	
	11	1	**4W-0506**	1	GAUGE AS-PRESSURE (FUEL)	
		1	**4B-2049**	2	NUT (10-32-THD)	
		1	**8F-1434**	2	LOCKWASHER	
	12	1	**4W-2683**	1	GAUGE GP-TEMPERATURE (JACKET WATER)	
		1	**4B-2049**	2	NUT (10-32-THD)	
		1	**8F-1434**	2	LOCKWASHER	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00280083

OPERATOR STATION

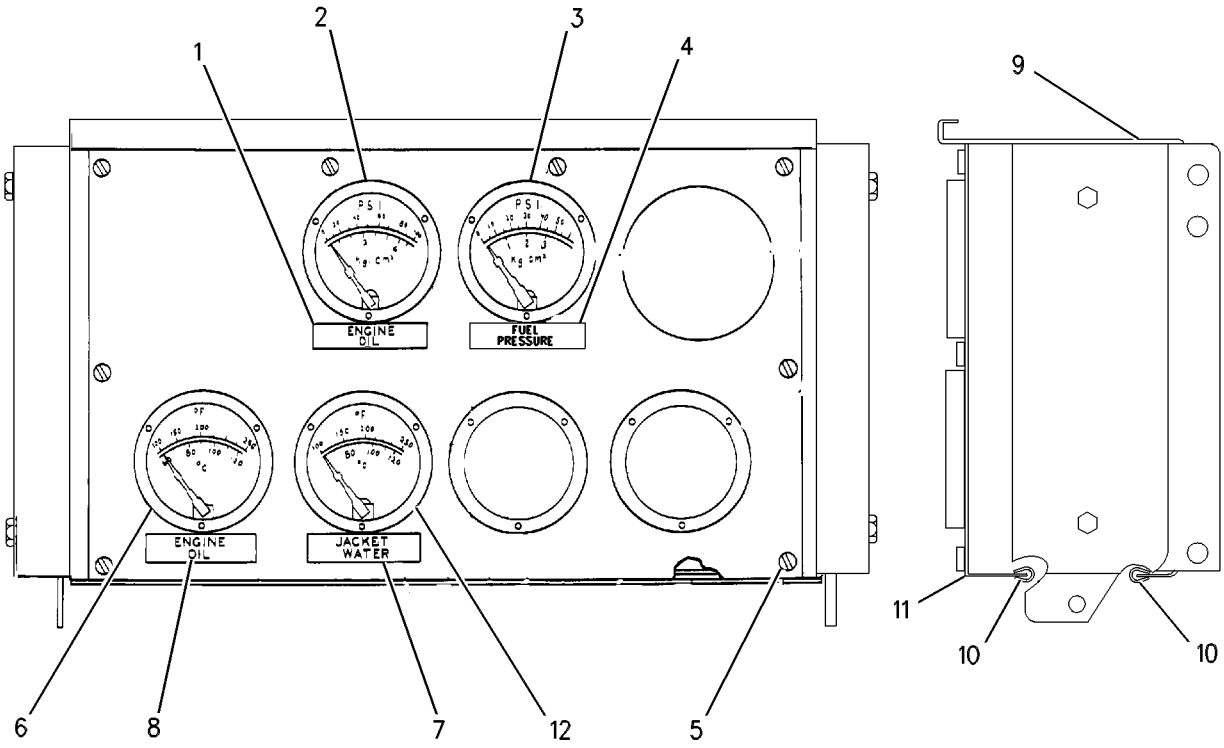
137-7020 PANEL GP-INSTRUMENT

PART OF 241-0471 MOUNTING GP-INSTRUMENT PANEL, 269-4756, 273-5996 PANEL GP-INSTRUMENT
AN ATTACHMENT

SMCS-7451 **i01990898**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-5986**	1	FILM-IDENTIFICATION (ENGINE OIL PRESSURE)	
	2	1	**4W-0506**	1	GAUGE AS-PRESSURE (ENGINE OIL)	
	3	1	**4W-0506**	1	GAUGE AS-PRESSURE (FUEL)	
	4	1	**3N-5988**	1	FILM-IDENTIFICATION (FUEL PRESSURE)	
	5	1	**3N-4427**	8	SCREW (10-32X1/2-IN)	
	6	1	**4W-2683**	1	GAUGE GP-TEMPERATURE (ENGINE OIL)	
	7	1	**3N-5987**	1	FILM-IDENTIFICATION (JACKET WATER TEMPERATURE)	
	8	1	**2W-7811**	1	FILM-IDENTIFICATION (ENGINE OIL TEMPERATURE)	
Y	9	1	**137-7427**	1	BOX GP-INSTRUMENT PANEL	1031
	10	1	**3N-8269**	2	STRIP	
	11	1	**3N-9014**	1	PLATE-PANEL	
	12	1	**4W-2683**	1	GAUGE GP-TEMPERATURE (JACKET WATER)	

Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g00282045

OPERATOR STATION

161-9110 PANEL GP-INSTRUMENT

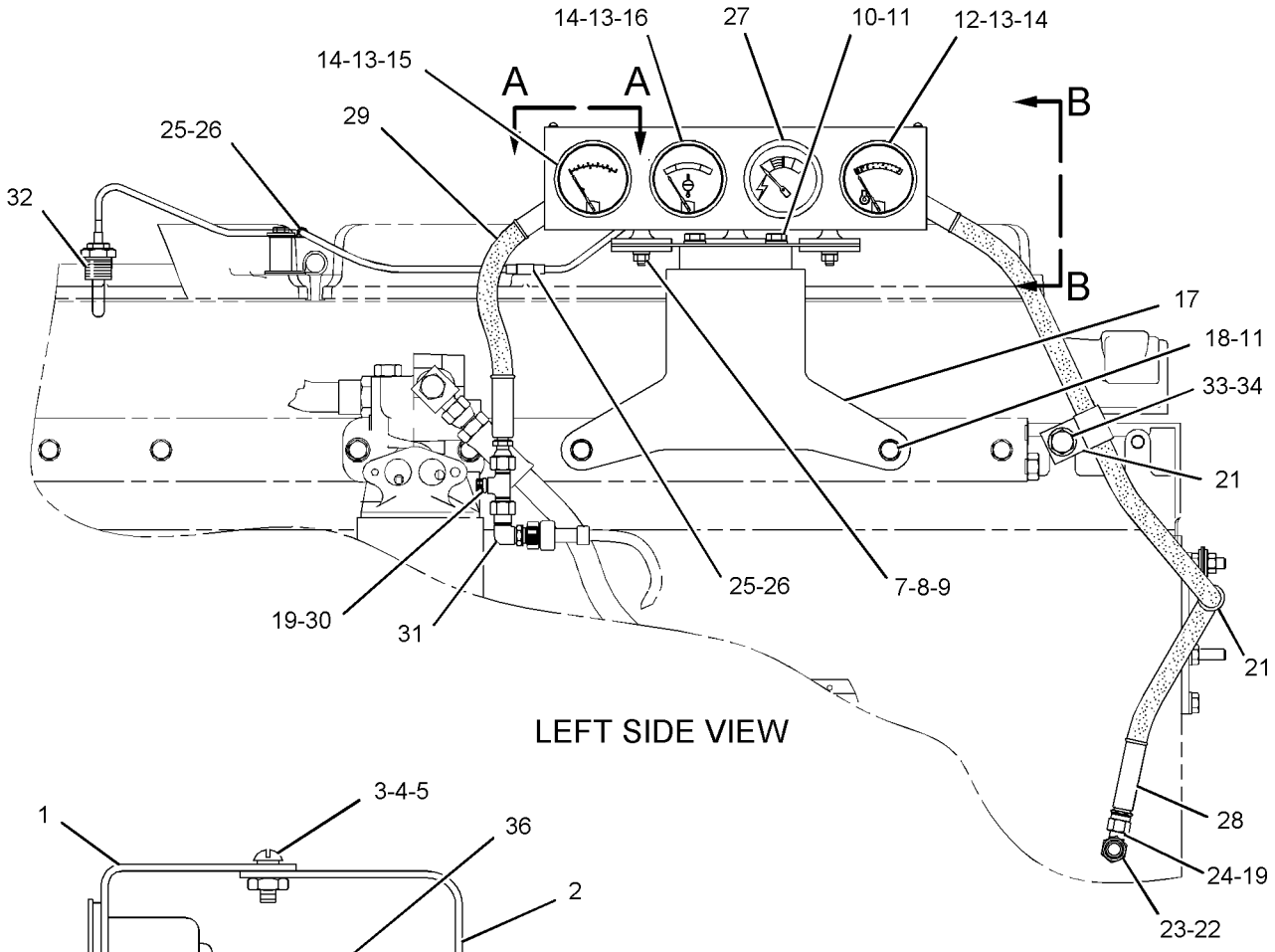
12 VOLT. LH

AN ATTACHMENT

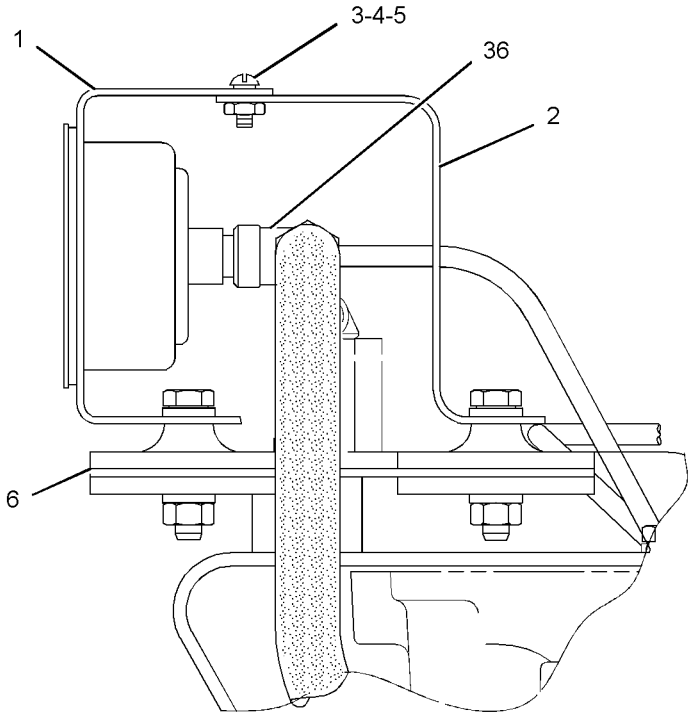
SMCS-7451 **i02409141**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-0816**	1	PANEL-INSTRUMENT	
	2	1	**6N-3171**	1	COVER-PANEL	
	3	1	**5S-7348**	2	SCREW-MACHINE (6-32X0.375-IN)	
	4	1	**9B-1117**	2	LOCKWASHER	
	5	1	**4B-2041**	2	NUT (6-32-THD)	
	6	1	**2N-5848**	1	BASE AS	
M	7	1	**8T-0640**	3	BOLT (M6X1X30-MM)	
	8	1	**9X-8267**	6	WASHER (6.6X12X2-MM THK)	
M	9	1	**6V-8225**	3	NUT (M6X1-THD)	
M	10	1	**6V-5217**	2	BOLT (M8X1.25X20-MM)	
	11	1	**9M-1974**	4	WASHER-HARD (8.8X16X2-MM THK)	
	12	1	**2W-3681**	1	INDICATOR AS (ENGINE OIL PRESSURE)	
		1	**2N-0794**	1	RETAINER	
		1	**6V-3507**	1	SEAL-RECTANGULAR	
	13	1	**6V-3507**	3	SEAL-RECTANGULAR	
	14	1	**7W-2731**	3	RETAINER	
C	15	1	**163-7833**	1	INDICATOR AS (FUEL PRESSURE)	
C	16	1	**200-5231**	1	GAUGE GP-COOLANT TEMPERATURE (WATER)	
		1	**4B-2049**	2	NUT (10-32-THD)	
		1	**8F-1434**	2	LOCKWASHER	
	17	1	**110-6516**	1	BRACKET AS	
M	18	1	**6V-5219**	2	BOLT (M8X1.25X40-MM)	
	19	1	**6V-5048**	2	SEAL-O-RING	
	21	1	**6D-3479**	2	CLIP	
	22	1	**5P-9617**	1	ADAPTER	
	23	1	**6V-5049**	1	SEAL-O-RING	
	24	1	**030-7946**	1	ELBOW	
	25	1	**1A-5350**	2	CLIP	
	26	1	**8F-0244**	2	GROMMET	
Y	27	1	**104-5687**	1	VOLTMETER GP (12-VOLT)	1084
I	28	1	**3N-4792**	1	HOSE AS	
I	29	1	**3N-4622**	1	HOSE AS	
	30	1	**4S-4857**	1	TEE	
	31	1	**031-2716**	1	ELBOW	
	32	1	**6H-6699**	1	ADAPTER (HEAT INDICATOR)	
M	33	1	**8T-4137**	1	BOLT (M10X1.5X20-MM)	
	34	1	**8T-4121**	1	WASHER-HARD (11X21X2.5-MM THK)	
C	36	1	**8B-4884**	2	ELBOW	

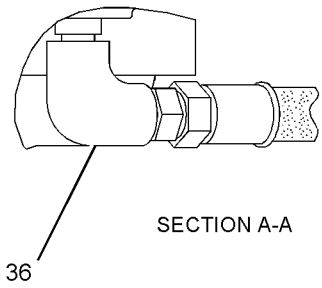
C-CHANGE FROM PREVIOUS TYPE
I-REFER TO HYDRAULIC INFORMATION SYSTEM
M-METRIC PART
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW



VIEW B-B



SECTION A-A

GRAPHIC #1 **<END>** g01058004

OPERATOR STATION

232-4608 PANEL GP-INSTRUMENT

PART OF 236-7783 PANEL GP-INSTRUMENT

AN ATTACHMENT

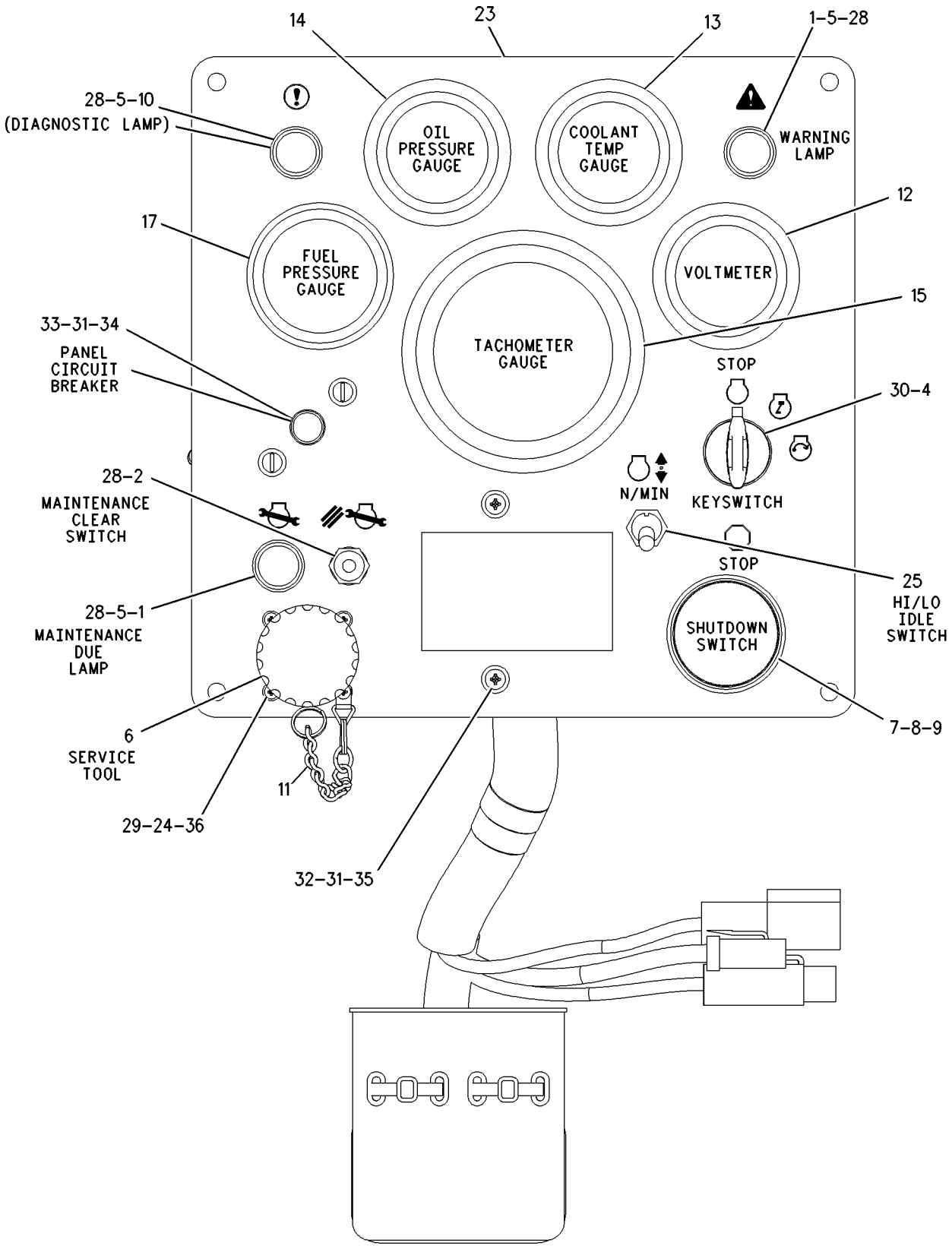
SMCS-7451 **i02939560**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2N-2371**	2	LAMP AS-INDICATOR (RED) (MAINTENANCE)	
		1	**2V-7088**	1	LENS-RED	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
		1	**6V-8817**	2	SCREW-MACHINE (4-36X4.76-IN)	
	2	1	**3N-5716**	1	SWITCH (PUSH BUTTON) (MAINTENANCE CLEAR)	
	3	2	**3S-2093**	1	STRAP-CABLE	
	4	1	**5P-8500**	1	KEY (IGNITION)	
	5	1	**7N-5876**	3	LAMP (24-VOLT, 0.2-AMPERE) (DIAGNOSTIC)	
	6	1	**8C-6354**	1	CAP-RECEPTACLE	
	7	1	**109-6507**	1	SWITCH AS-PUSH BUTTON (SHUTDOWN)	
	8	1	**111-1325**	1	BLOCK-CONTACT (2-POLE)	
	9	1	**124-3176**	1	COVER	
	10	1	**141-9228**	1	LAMP AS (INDICATOR)	
		1	**2V-7087**	1	LENS-AMBER (INDICATOR)	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
		1	**6V-8817**	2	SCREW-MACHINE (4-36X4.76-IN)	
	11	1	**167-3593**	1	STRAP	
Y	12	1	**207-2822**	1	VOLTMETER GP	1087
Y	13	1	**207-2823**	1	GAUGE GP-COOLANT TEMPERATURE	1034
		1	**4B-2043**	2	NUT (8-32-THD)	
		1	**186-3736**	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
		1	**9B-7233**	2	LOCKWASHER	
		1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
Y	14	1	**207-2824**	1	GAUGE GP-ENGINE OIL PRESSURE	1036
		1	**4B-2043**	2	NUT (8-32-THD)	
		1	**186-3736**	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
		1	**9B-7233**	2	LOCKWASHER	
		1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
Y	15	1	**207-2825**	1	TACHOMETER GP-ELECTRIC	1082
		1	**4B-2043**	2	NUT (8-32-THD)	
		1	**186-3736**	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
		1	**9B-7233**	2	LOCKWASHER	
		1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
Y	16	2	**210-4309**	1	MODULE GP-INTERFACE	868
		2	**186-3736**	11	SOCKET-CONNECTOR (16-GA TO 18-GA)	
		2	**155-2274**	2	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
Y	17	1	**211-0745**	1	GAUGE GP-FUEL PRESSURE	1038
Y	18	2	**212-8255**	6	HARNESS AS-WIRING (DATA LINK)	864
Y	19	2	**212-8259**	1	HARNESS AS-WIRING (DATA LINK)	864
Y	20	2	**221-0777**	1	HARNESS AS-WIRING (DATA LINK)	864
	21	2	**232-4604**	1	HARNESS AS-PANEL	
		2	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		2	**127-5485**	1	PLUG AS-CONNECTOR (1-PIN)	
		2	**127-5486**	1	RECEPTACLE AS-CONNECTOR (1-PIN)	
		2	**133-0970**	1	RECEPTACLE AS (TEE)	
		2	**155-2260**	2	KIT-CONNECTING PLUG (3-PIN)	
					(EACH INCLUDES PLUG AS AND WEDGE)	
		2	**155-2269**	3	PLUG AS-CONNECTOR (2-PIN)	

232-4608 **PANEL GP-INSTRUMENT** *(contd.)* **i02939560**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
		2	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
		2	**160-7689**	1	PLUG AS-CONNECTOR (7O-PIN)	
		2	**174-3016**	2	PLUG AS-CONNECTOR (3-PIN)	
	22	2	**232-4605**	1	PLATE	
	23	1	**232-4606**	1	FILM (INSTRUMENT PANEL)	
	24	1	**096-5962**	8	WASHER-HARD (3.4X7XO.8-MM THK)	
	25	1	**110-7884**	1	SWITCH AS-TOGGLE (MOMENTARY) (HI/LOW IDLE)	
		1	**3L-8187**	3	LOCKWASHER	
		1	**6T-3631**	2	NUT-HEX (15/32-32-THD)	
		1	**6T-3632**	1	LOCKWASHER	
		1	**6T-3633**	1	RING-LOCKING	
		1	**6V-8374**	3	SCREW-MACHINE (6-32XO.25-IN)	
	26	2	**174-3016**	2	PLUG AS-CONNECTOR (3-PIN)	
		2	**176-9299**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
	27	2	**189-3158**	1	SUPPRESSOR-ARC	
	28	1	**1H-4393**	8	LOCKWASHER	
M	29	1	**3C-6969**	4	NUT (M3XO.5-THD)	
	30	1	**3E-0156**	1	SWITCH GP-START (IGNITION)	
		1	**6V-8362**	1	SCREW-MACHINE (8-32XO.31-IN)	
		1	**7T-6799**	1	NUT-MOUNTING (1-32-THD)	
		1	**9B-7233**	1	LOCKWASHER	
	31	1	**4B-4863**	6	WASHER (4.7X11X1.2-MM THK)	
M	32	1	**5C-8312**	2	NUT (M4XO.7-THD)	
	33	1	**5M-6668**	2	SCREW-MACHINE (8-32XO.75-IN)	
	34	1	**6T-3643**	1	CIRCUIT BREAKER AS (15-AMPERE) (PANEL)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32XO.25-IN)	
		1	**9B-7233**	2	LOCKWASHER	
M	35	1	**6V-9493**	2	SCREW-MACHINE (M4XO.7X45-MM)	
M	36	1	**6V-9671**	4	SCREW-MACHINE (M3XO.5X12-MM)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION

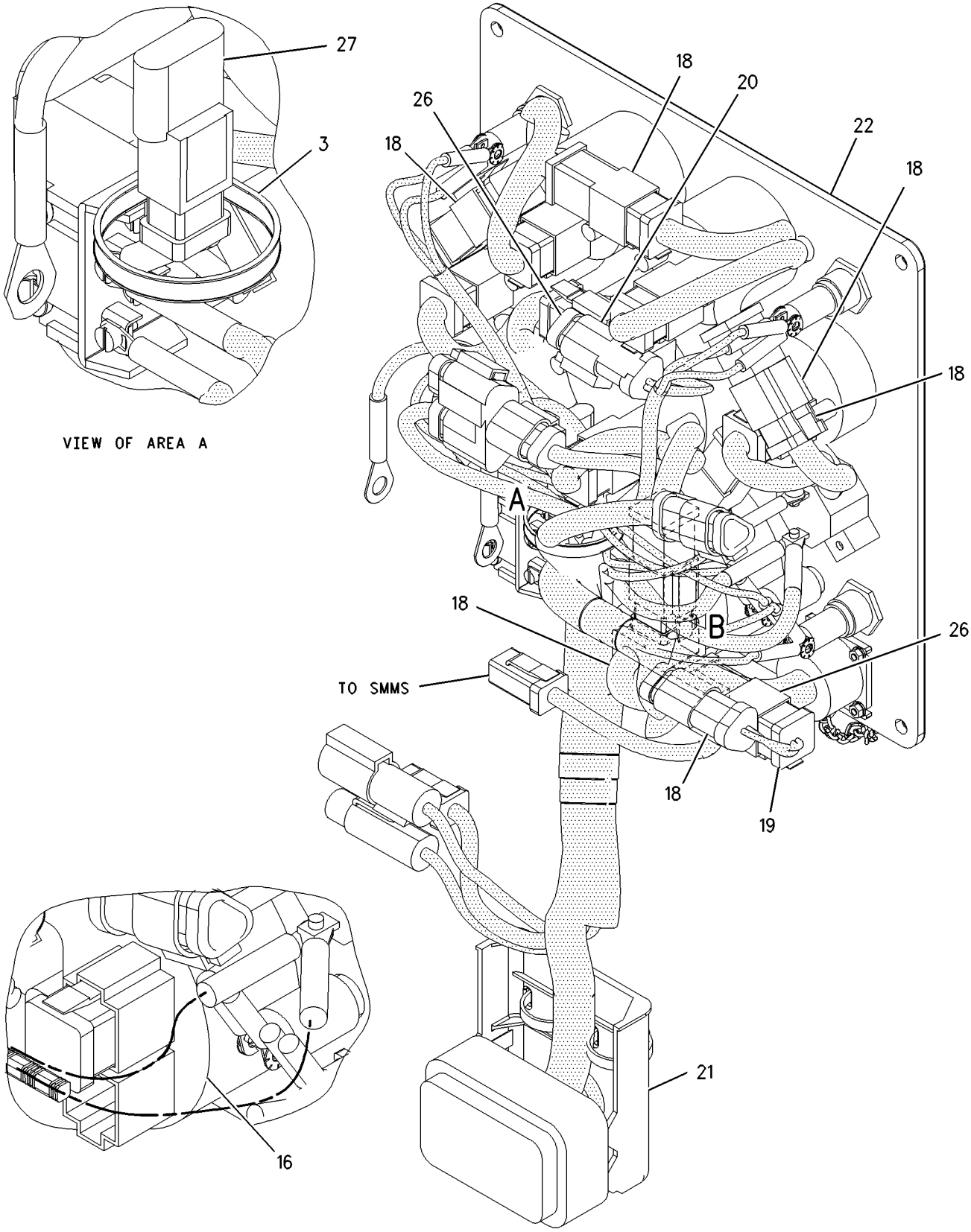


FRONT VIEW

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

g01005639



GRAPHIC #2

<END>

g01005641

OPERATOR STATION

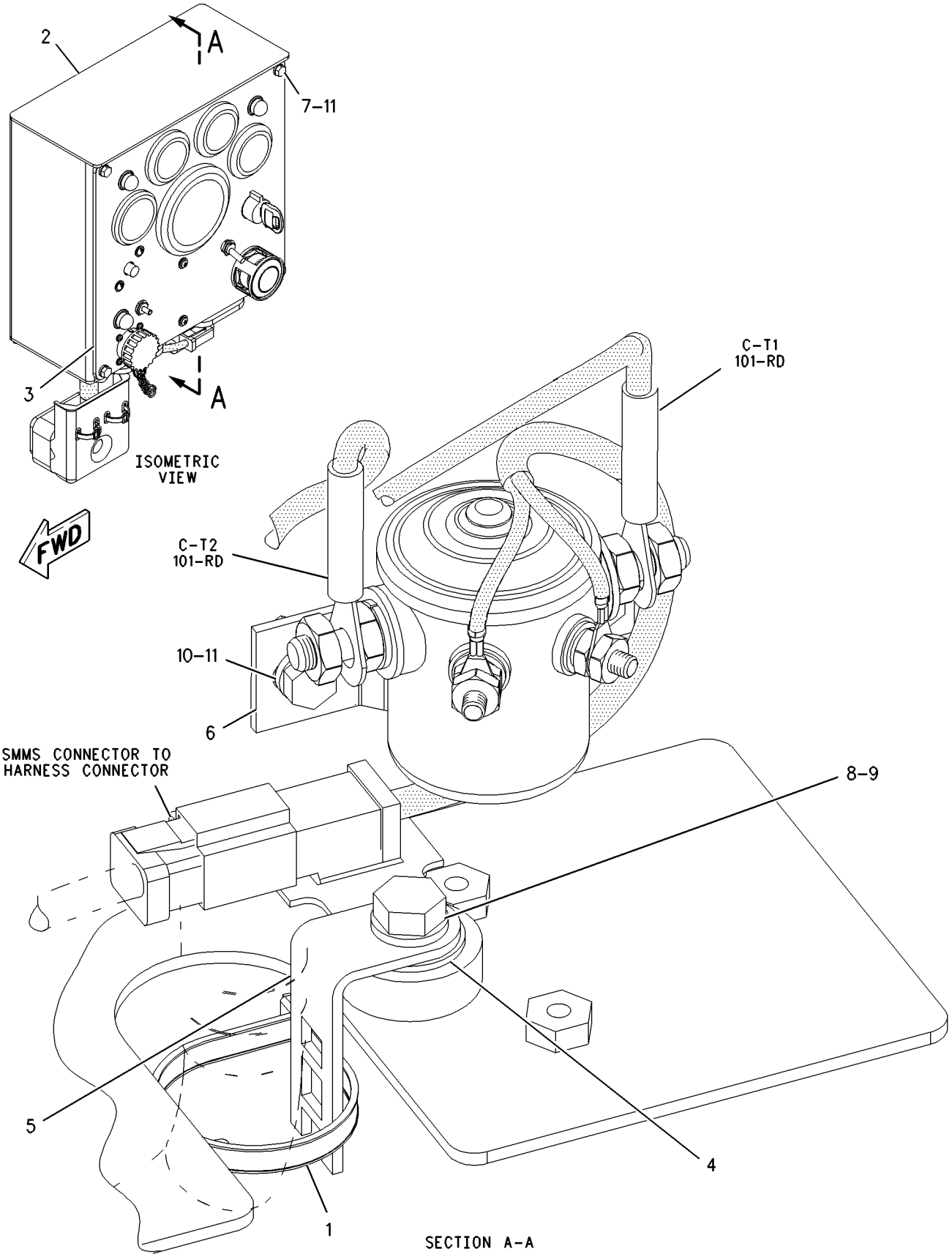
236-7783 PANEL GP-INSTRUMENT

AN ATTACHMENT

SMCS-7451 **i01929356**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	1	STRAP-CABLE	
	2	1	**232-4607**	1	BOX AS	
M		1	**6V-9632**	10	NUT-WELD (M6X1-THD)	
		1	**195-1141**	4	SPACER (7.2X18X11-MM THK)	
Y	3	1	**232-4608**	1	PANEL GP-INSTRUMENT	1054
	4	1	**130-5300**	1	CLIP	
	5	1	**132-5789**	1	CLIP	
	6	1	**209-5582**	1	SWITCH GP-MAGNETIC (24-VOLT) (STARTING AID HEATER)	
		1	**3F-9556**	2	LOCKWASHER	
		1	**6V-8186**	2	NUT-FULL (5/16-24-THD)	
		1	**6V-8378**	2	NUT (10-32-THD)	
		1	**8F-1434**	2	LOCKWASHER	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	
M	7	1	**5C-9553**	4	BOLT (M6X1X16-MM)	
M	8	1	**8T-4199**	1	BOLT (M8X1.25X12-MM)	
	9	1	**8T-4224**	1	WASHER-HARD (8.8X16X2-MM THK)	
M	10	1	**8T-4970**	2	BOLT (M6X1X14-MM)	
	11	1	**9X-8256**	6	WASHER (6.6X12X2-MM THK)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1

<END>

g01004699

OPERATOR STATION

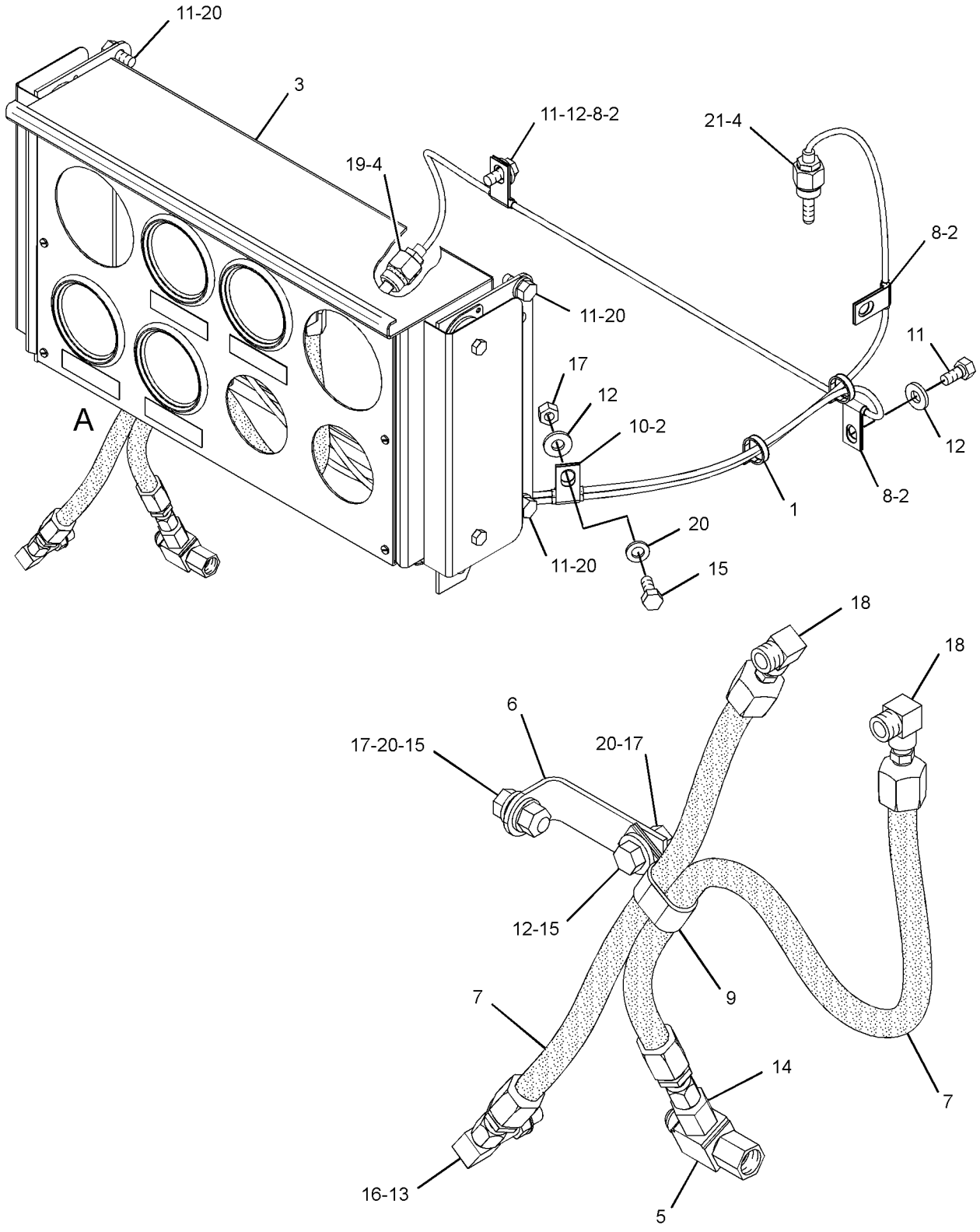
262-4161 PANEL GP-INSTRUMENT

FUEL COOLED ECM
FOR USE WITH INSTRUMENT PANEL MOUNTING GROUP, SINGLE AND TWIN TURBO. CANNOT BE USED WITH HIGH MOUNT FUEL LINES
AN ATTACHMENT

SMCS-7451 **i02719600**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
	2	1	**8F-0244**	5	GROMMET	
Y	3	1	**137-7018**	1	PANEL GP-INSTRUMENT	1049
	4	1	**235-3612**	2	ADAPTER	
	5	1	**061-9258**	1	TEE	
	6	1	**112-9069**	1	BRACKET	
I	7	1	**199-5621**	2	HOSE AS	
	8	1	**3L-2875**	3	CLIP	
	9	1	**4D-6466**	1	CLIP	
	10	1	**5K-2298**	1	CLIP	
	11	1	**5M-3062**	6	BOLT (3/8-16X0.75-IN)	
	12	1	**5P-1075**	4	WASHER-HARD (10.2X22.5X3-MM THK)	
	13	1	**5P-3426**	1	ELBOW	
	14	1	**5P-5008**	1	REDUCER	
	15	1	**5S-7379**	3	BOLT (3/8-16X0.875-IN)	
	16	1	**6V-5048**	1	SEAL-O-RING	
	17	1	**6V-8801**	3	NUT (3/8-16-THD)	
	18	1	**8B-4884**	2	ELBOW	
	19	1	**8L-2786**	1	SEAL-O-RING	
	20	1	**8T-4896**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	
	21	1	**6V-6609**	1	SEAL-O-RING	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION



VIEW OF AREA A
(INSTRUMENT PANEL REMOVED)

GRAPHIC #1 **<END>** g01378134

OPERATOR STATION

266-2296 PANEL GP-INSTRUMENT

PART OF 266-2297 PANEL GP-INSTRUMENT

AN ATTACHMENT

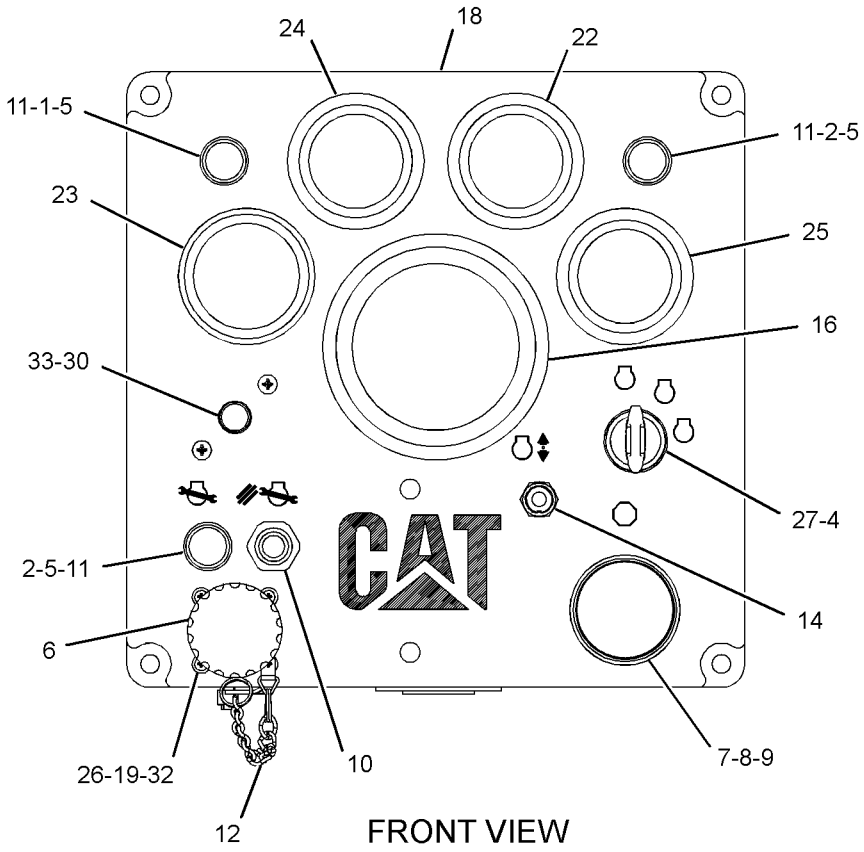
SMCS-7451 **i03643528**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2V-7087**	1	LENS-AMBER (DIAGNOSTIC LAMP)	
	2	1	**2V-7088**	2	LENS-RED (WARNING, MAINTENANCE LAMP)	
	3	1	**3S-2093**	3	STRAP-CABLE	
	4	1	**5P-8500**	1	KEY (START)	
	5	1	**7N-5876**	3	LAMP (24-VOLT, 0.2-AMPERE)	
	6	1	**8C-6354**	1	CAP-RECEPTACLE	
	7	1	**109-6507**	1	SWITCH AS-PUSH BUTTON (ENGINE SHUTDOWN)	
	8	1	**111-1325**	1	BLOCK-CONTACT (2-POLE)	
	9	1	**124-3176**	1	COVER	
	10	1	**133-9405**	1	SWITCH AS-PUSH BUTTON (MAINTENANCE CLEAR)	
		1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3-PIN)	
		1	**3K-0835**	1	NUT (5/8-24-THD)	
		1	**6F-0253**	1	LOCKWASHER	
		1	**186-3735**	1	PIN-CONNECTOR (16-GA TO 18-GA)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	11	1	**156-0518**	3	SOCKET AS	
					(EACH INCLUDES)	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
	12	1	**167-3593**	1	STRAP	
Y	13	1	**248-0471**	1	HARNESS AS-PANEL	861
		1	**3S-2093**	10	STRAP-CABLE	
		1	**155-2274**		KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS,WEDGE, & INTERFACE SEAL)	
	14	1	**301-2980**	1	SWITCH AS-TOGGLE (IDLE, HIGH, LOW)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**8T-8729**	3	PIN-CONNECTOR (16-GA TO 18-GA)	
	15	1	**266-2295**	1	HARNESS AS-PANEL	
		1	**3S-2093**	19	STRAP-CABLE	
		1	**8T-8737**	9	PLUG-SEAL	
		1	**9W-1951**	1	RECEPTACLE-CONNECTOR (9-PIN)	
		1	**9X-0145**	1	RECEPTACLE AS-CONNECTOR (24-PIN)	
		1	**119-3662**	20	TUBE-HEAT SHRINK (10.85-MM DIA)	
		1	**125-7874**	30	TUBE-HEAT SHRINK (5.72-MM DIA)	
		1	**125-7875**	10	TUBE-HEAT SHRINK (7.44-MM DIA)	
		1	**2L-8065**	1	TERMINAL-RING (10-GA TO 12-GA, NO. 8 SCREW)	
		1	**5P-6006**	1	TUBE-HEAT SHRINK (9.52-MM DIA)	
		1	**5P-4571**	1	TERMINAL-BLADE (14-GA TO 16-GA)	
		1	**6V-2689**	1	TUBE-HEAT SHRINK (6.35-MM DIA)	
		1	**5P-4571**	1	TERMINAL-BLADE (14-GA TO 16-GA)	
		1	**7N-7221**	1	TERMINAL-BLADE (18-GA TO 22-GA)	
		1	**2L-8068**	1	TERMINAL-RING (10-GA TO 12-GA, 5/16-IN SCREW)	
		1	**125-7875**	4	TUBE-HEAT SHRINK (7.44-MM DIA)	
		1	**2L-8075**	1	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
		1	**2L-8075**	1	TERMINAL-RING (14-GA TO 16-GA, NO. 8 SCREW)	
		1	**125-7874**	3	TUBE-HEAT SHRINK (5.72-MM DIA)	
		1	**176-9299**	1	KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
		1	**174-3016**	1	PLUG AS-CONNECTOR (3-PIN)	
Y	16	1	**275-2103**	1	TACHOMETER GP-ELECTRIC	1083
	17	1	**279-0533**	1	PLATE	
	18	1	**279-0534**	1	FILM-INSTRUMENT (PANEL)	
	19	1	**096-5962**	4	WASHER-HARD (3.4X7X0.8-MM THK)	

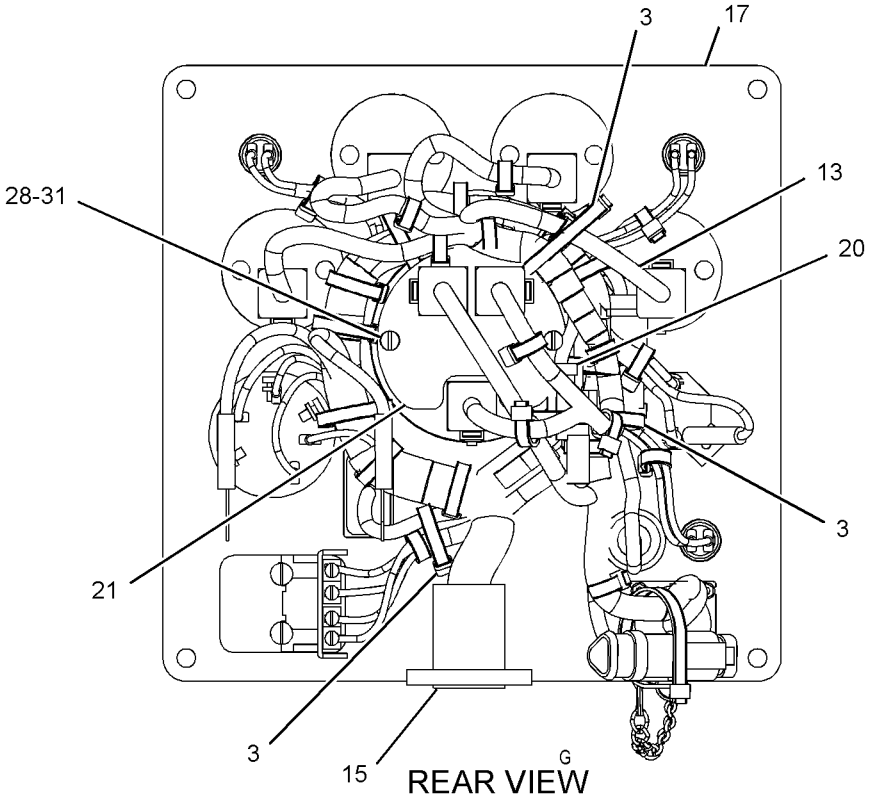
266-2296 **PANEL GP-INSTRUMENT** *(contd.)* **i03643528**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	20	1	**189-3158**	1	SUPPRESSOR-ARC	
Y	21	1	**274-8068**	1	MODULE GP-INTERFACE (INSTRUMENT PANEL)	869
Y	22	1	**275-2081**	1	GAUGE GP-COOLANT TEMPERATURE (ENGINE)	1035
Y	23	1	**275-2086**	1	GAUGE GP-FUEL PRESSURE (INDICATOR)	1039
Y	24	1	**275-2096**	1	GAUGE GP-ENGINE OIL PRESSURE	1037
Y	25	1	**275-2110**	1	VOLTMETER GP	1088
M	26	1	**3C-6969**	4	NUT (M3X0.5-THD)	
	27	1	**3E-0156**	1	SWITCH GP-START (KEY)	
		1	**6V-8362**	1	SCREW-MACHINE (8-32X0.31-IN)	
		1	**7T-6799**	1	NUT-MOUNTING (1-32-THD)	
		1	**9B-7233**	1	LOCKWASHER	
	28	1	**9B-7233**	2	LOCKWASHER	
	30	1	**6T-3643**	1	CIRCUIT BREAKER AS (15-AMPERE)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25-IN)	
		1	**9B-7233**	2	LOCKWASHER	
	31	1	**6V-7697**	2	SCREW-MACHINE (8-32X1.25-IN)	
M	32	1	**6V-9671**	4	SCREW-MACHINE (M3X0.5X12-MM)	
	33	1	**9X-8486**	2	SCREW-MACHINE (8-32X0.75-IN)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



FRONT VIEW



REAR VIEW

GRAPHIC #1 **<END>** g01945882

OPERATOR STATION

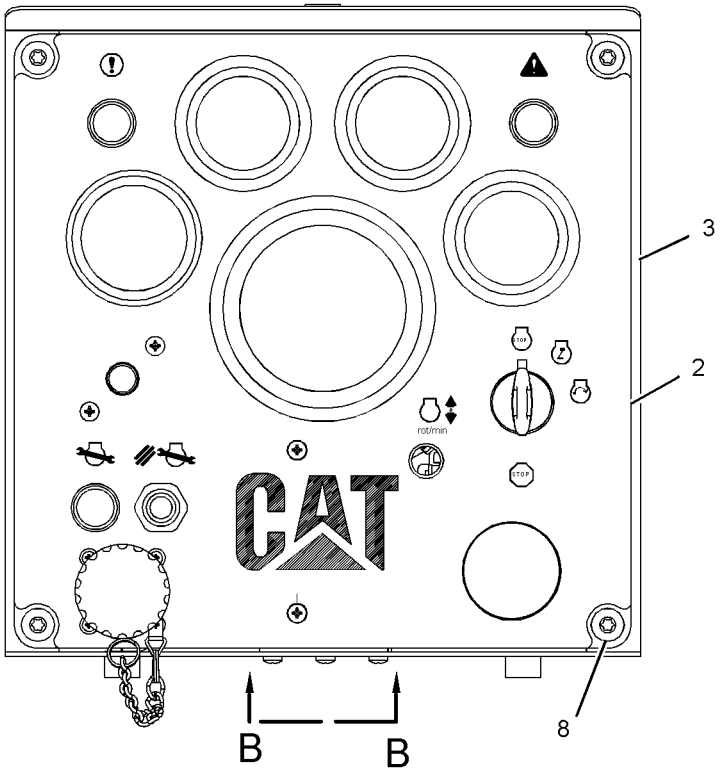
266-2297 PANEL GP-INSTRUMENT

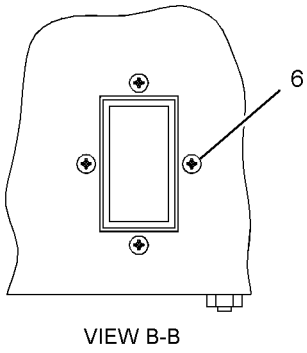
AN ATTACHMENT

SMCS-7451 **i02538479**

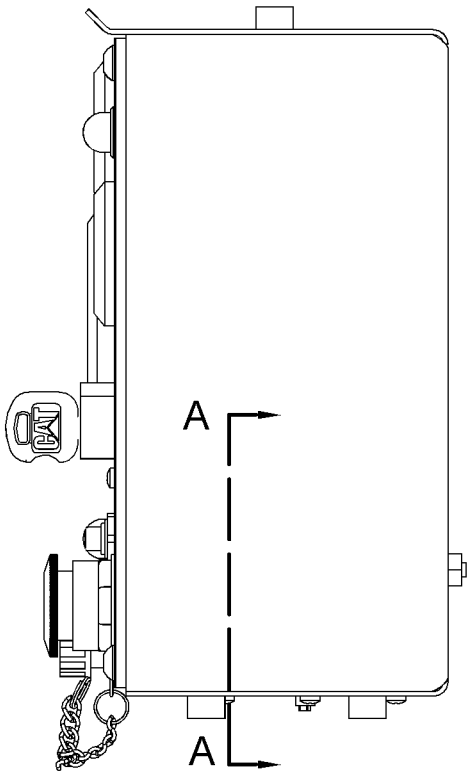
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**108-2515**	2	COVER-TERMINAL	
Y	2	1	*266-2296*	1	PANEL GP-INSTRUMENT	1062
	3	1	**276-0824**	1	BOX AS-INSTRUMENT	
M		1	**6V-9632**	6	NUT-WELD (M6X1-THD)	
	4	1	**277-9747**	1	PLATE-NUT	
	5	1	**209-5582**	1	SWITCH GP-MAGNETIC (24-VOLT) (STARTING AID HEATER)	
		1	**3F-9556**	2	LOCKWASHER	
		1	**6V-8186**	2	NUT-FULL (5/16-24-THD)	
		1	**6V-8378**	2	NUT (10-32-THD)	
		1	**8F-1434**	2	LOCKWASHER	
		1	**102-8802**	1	KIT-RECEPTACLE (2-PIN)	
					(INCLUDES RECEPTACLE AS AND WEDGE)	
		1	**186-3735**	2	PIN-CONNECTOR (16-GA TO 18-GA)	
M	6	1	**6V-9672**	4	SCREW-MACHINE (M4X0.7X16-MM)	
M	7	1	**8T-4970**	2	BOLT (M6X1X14-MM)	
M	8	1	**9X-2044**	4	SCREW-TRUSS HEAD (M6X1X16-MM)	
	9	1	**9X-8256**	2	WASHER (6.6X12X2-MM THK)	

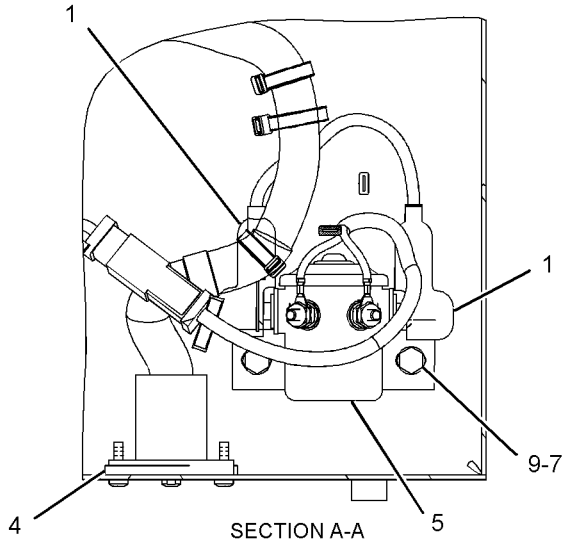
M-METRIC PART
Y-SEPARATE ILLUSTRATION





VIEW B-B





SECTION A-A

GRAPHIC #1 **<END>** g01251183

OPERATOR STATION

269-4756 PANEL GP-INSTRUMENT

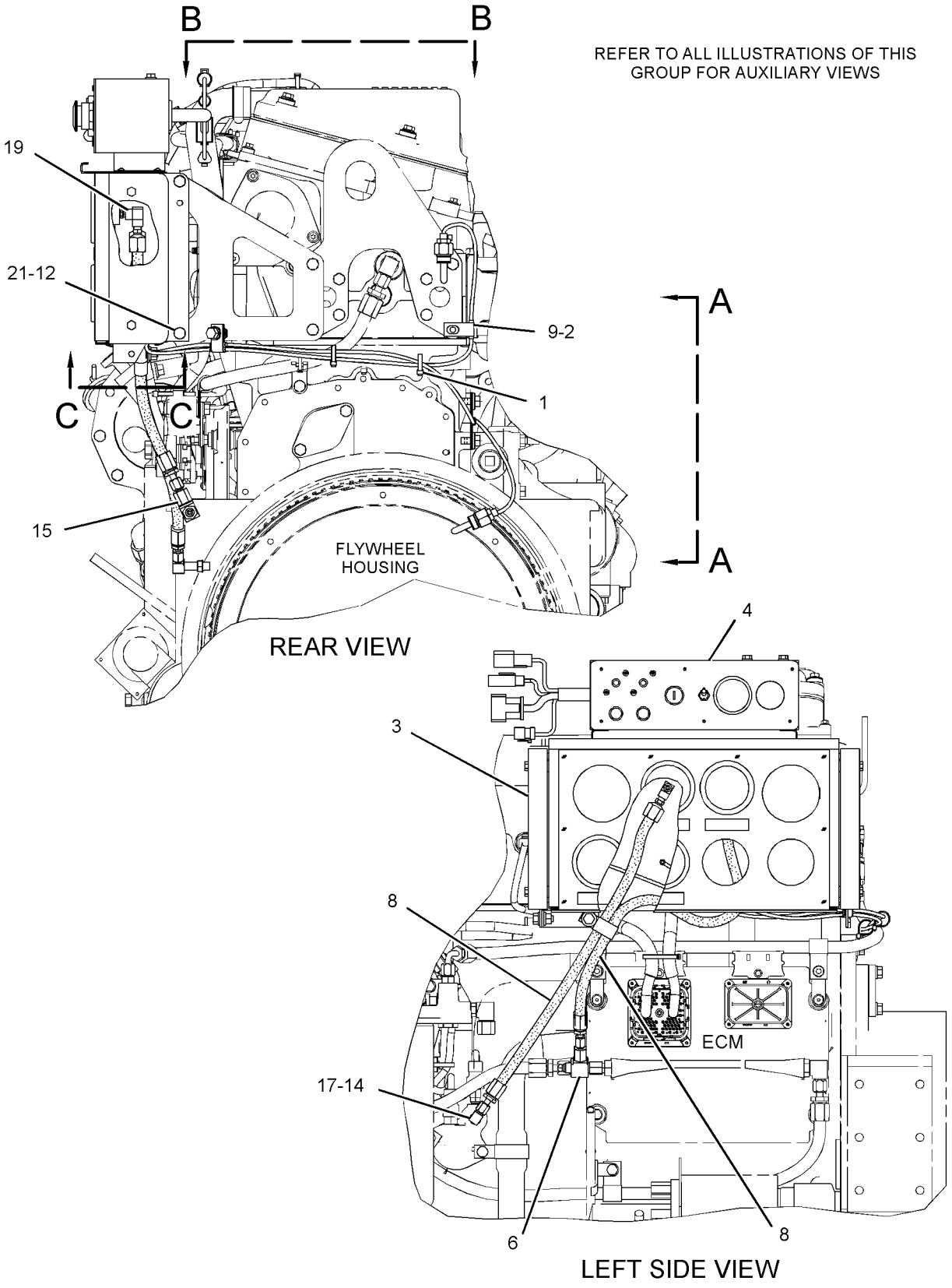
FOR USE WITH FUEL COOLED ECM, SINGLE AND TWIN TURBO, INSTRUMENT PANEL MOUNTING GROUP. CANNOT BE USED WITH HIGH MOUNT FUEL LINES

AN ATTACHMENT

SMCS-7451 **i02719602**

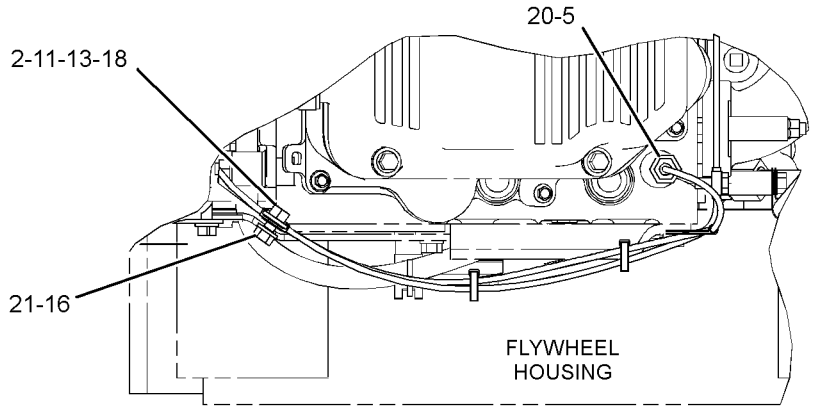
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
	2	1,2	**8F-0244**	5	GROMMET	
Y	3	1	**137-7020**	1	PANEL GP-INSTRUMENT	1051
Y	4	1	*195-1345*	1	CONTROL GP-AUTO START/STOP	848
	5	2	**235-3612**	2	ADAPTER	
	6	1	**061-9258**	1	TEE (SWIVEL)	
	7	2	**112-9069**	1	BRACKET	
I	8	1	**199-5621**	2	HOSE AS	
	9	1,2	**3L-2875**	3	CLIP	
	10	2	**4D-6466**	1	CLIP	
	11	2	**5K-2298**	1	CLIP	
	12	1,2	**5M-3062**	6	BOLT (3/8-16X0.75-IN)	
	13	2	**5P-1075**	4	WASHER-HARD (10.2X22.5X3-MM THK)	
	14	1	**5P-3426**	1	ELBOW	
	15	1	**5P-5008**	1	REDUCER	
	16	2	**5S-7379**	3	BOLT (3/8-16X0.875-IN)	
	17	1	**6V-5048**	1	SEAL-O-RING	
	18	1	**6V-6609**	1	SEAL-O-RING	
	19	2	**6V-8801**	3	NUT (3/8-16-THD)	
	20	1	**8B-4884**	2	ELBOW	
	21	2	**8L-2786**	1	SEAL-O-RING	
	22	1,2	**8T-4896**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

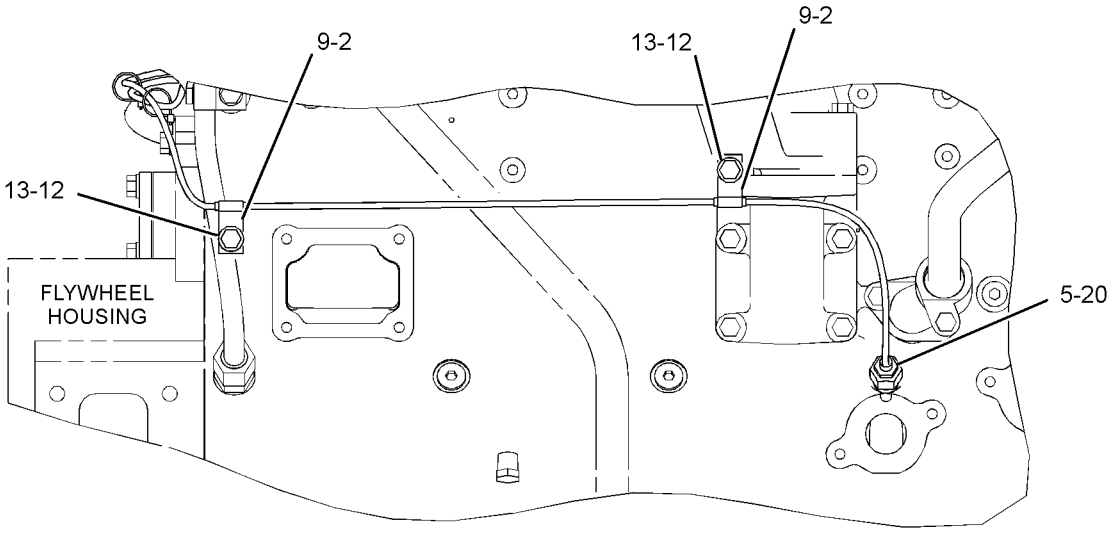


GRAPHIC #1

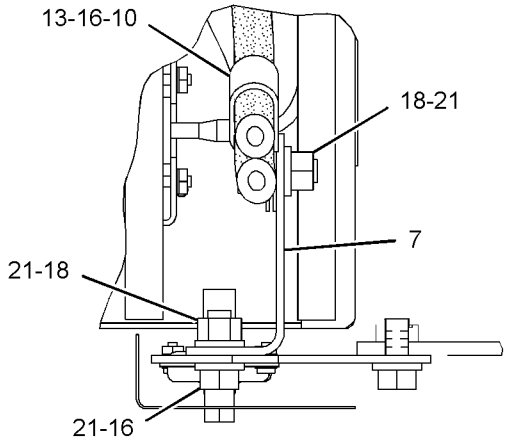
g01195971



VIEW B-B



VIEW A-A



SECTION C-C

GRAPHIC #2 **<END>** g01196158

OPERATOR STATION

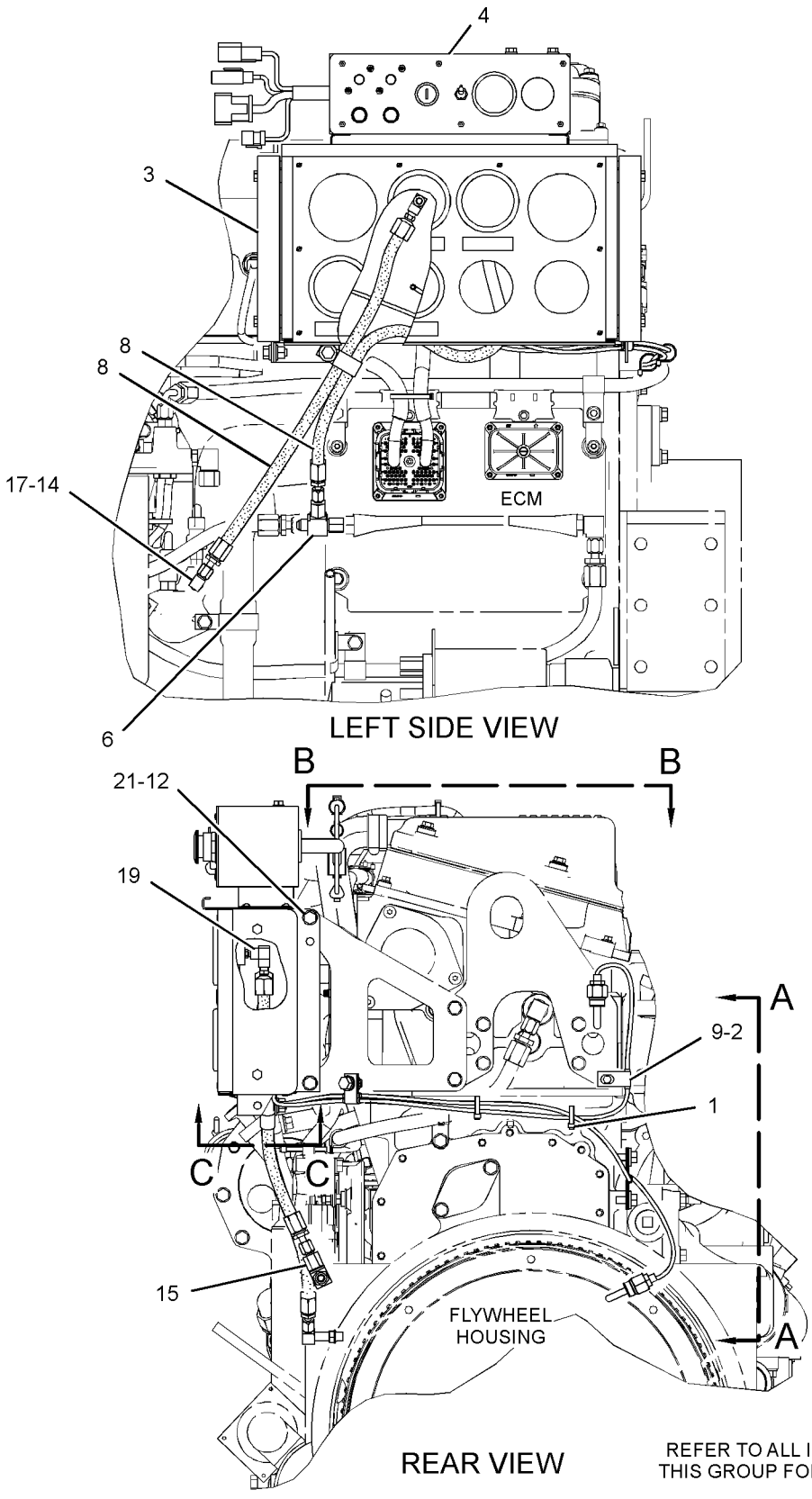
273-5996 PANEL GP-INSTRUMENT

FOR USE WITH SINGLE AND TWIN TURBO, FUEL COOLED ECM, INSTRUMENT PANEL MOUNTING GROUP. CANNOT BE USED WITH HIGH MOUNT FUEL LINES, DUAL RPTO AN ATTACHMENT

SMCS-7451 **i02364752**

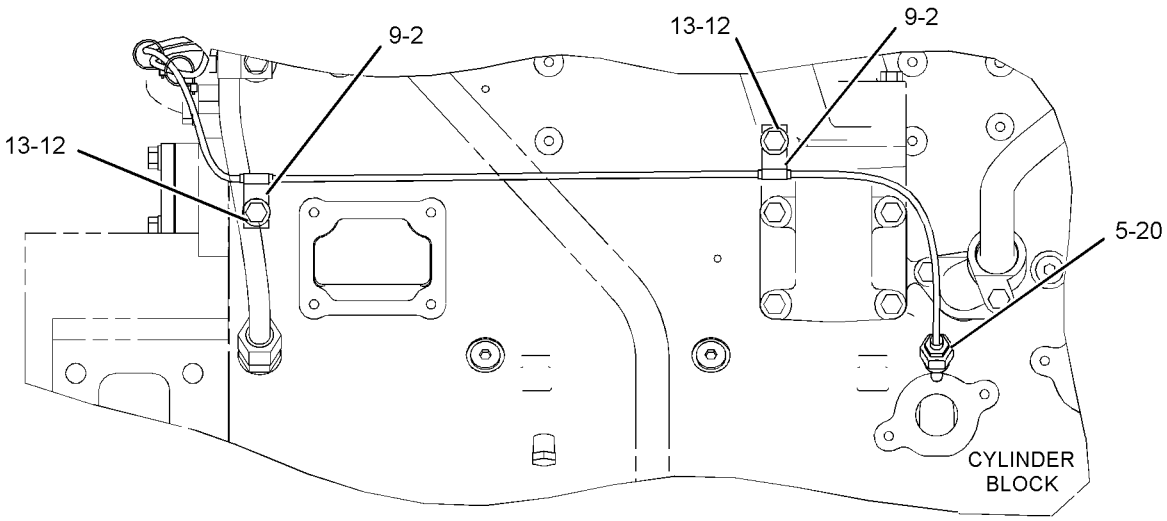
NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3S-2093**	2	STRAP-CABLE	
	2	1,2	**8F-0244**	5	GROMMET	
Y	3	1	**137-7020**	1	PANEL GP-INSTRUMENT	1051
Y	4	1	*205-8657*	1	CONTROL GP-AUTO START/STOP	850
	5	2	**235-3612**	2	ADAPTER	
	6	1	**061-9258**	1	TEE (SWIVEL)	
	7	2	**112-9069**	1	BRACKET	
I	8	1	**199-5621**	2	HOSE AS	
	9	1,2	**3L-2875**	3	CLIP	
	10	2	**4D-6466**	1	CLIP	
	11	2	**5K-2298**	1	CLIP	
	12	1,2	**5M-3062**	6	BOLT (3/8-16X0.75-IN)	
	13	2	**5P-1075**	4	WASHER-HARD (10.2X22.5X3-MM THK)	
	14	1	**5P-3426**	1	ELBOW	
	15	1	**5P-5008**	1	REDUCER (FLARED)	
	16	2	**5S-7379**	3	BOLT (3/8-16X0.875-IN)	
	17	1	**6V-5048**	1	SEAL-O-RING	
	18	2	**6V-8801**	3	NUT (3/8-16-THD)	
	19	1	**8B-4884**	2	ELBOW	
	20	2	**8L-2786**	2	SEAL-O-RING	
	21	1,2	**8T-4896**	8	WASHER-HARD (10.2X18.5X2.5-MM THK)	

I-REFER TO HYDRAULIC INFORMATION SYSTEM
Y-SEPARATE ILLUSTRATION

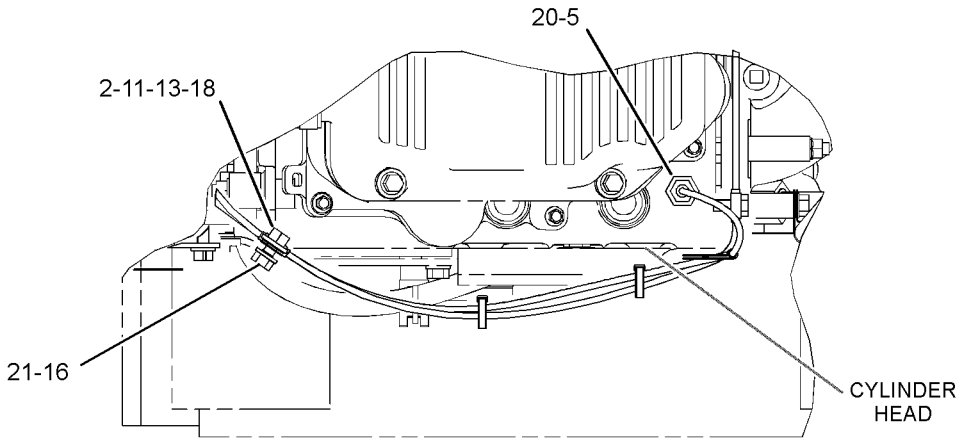


GRAPHIC #1

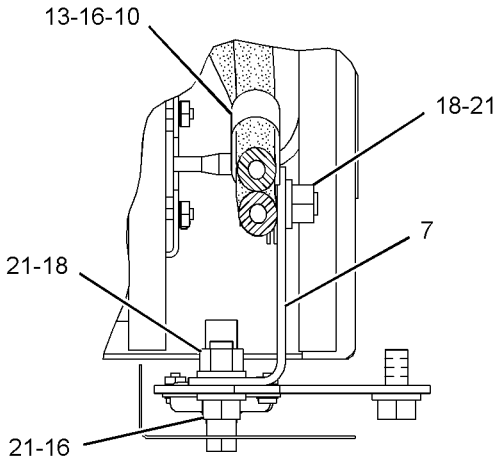
g01193063



VIEW A-A



VIEW B-B



VIEW C-C

GRAPHIC #2 **<END>** g01193084

OPERATOR STATION

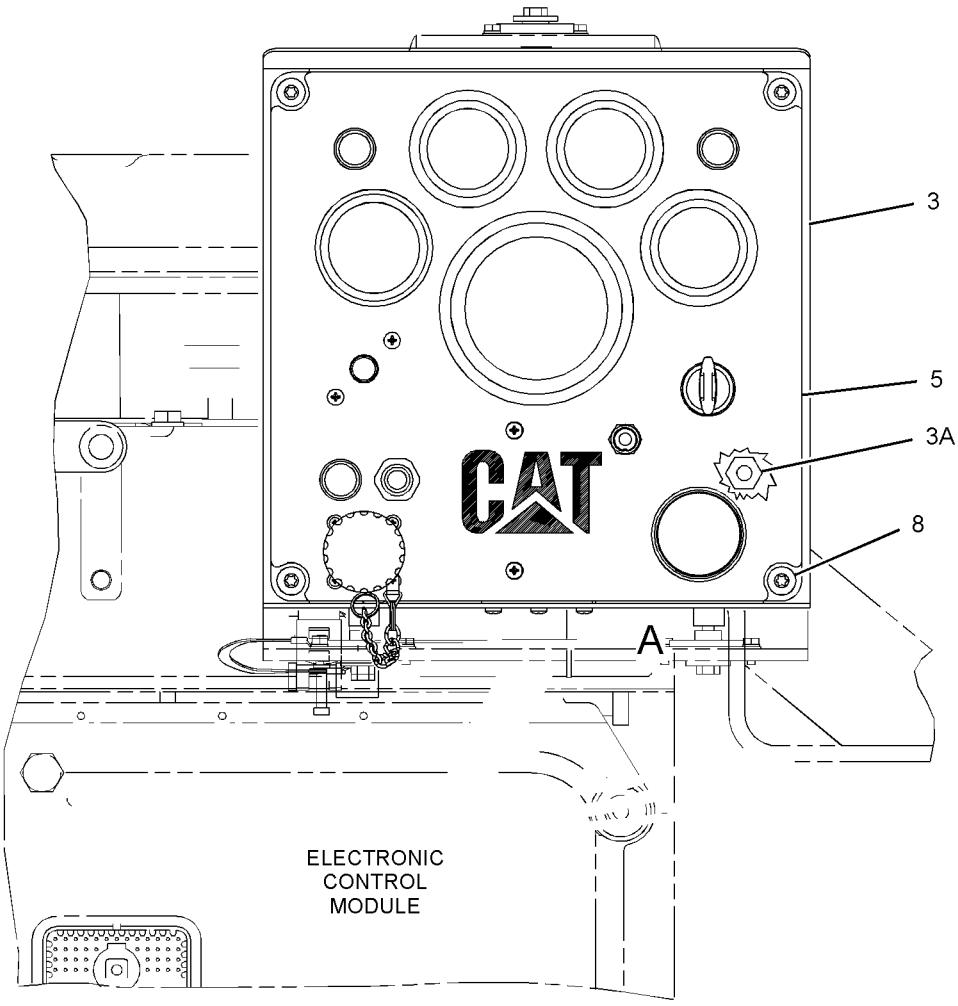
341-7343 PANEL GP-INSTRUMENT

AN ATTACHMENT

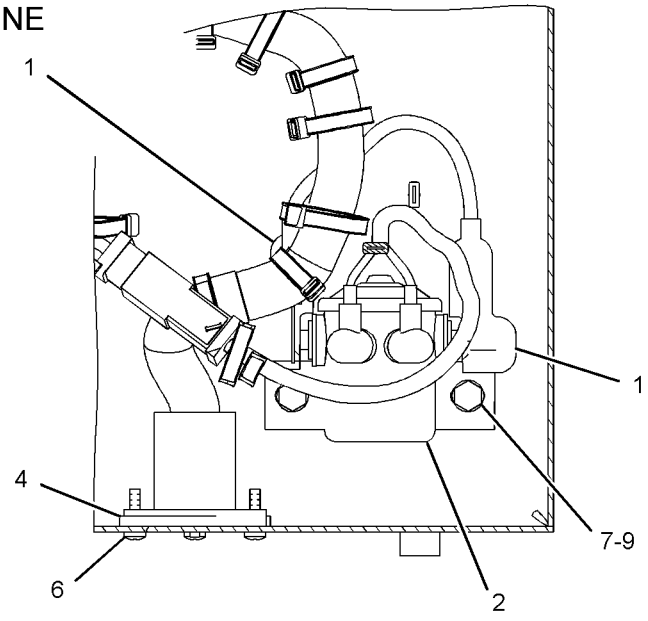
SMCS-7451 **i03553004**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**108-2515**	2	COVER-TERMINAL	
Y	2	1	**209-5581**	1	SWITCH GP-MAGNETIC (12-VOLT)	953
	3	1	**276-0824**	1	BOX AS-INSTRUMENT	
M	3A	1	**6V-9632**	6	NUT-WELD (M6X1-THD)	
	4	1	**277-9747**	1	PLATE-NUT	
Y	5	1	**341-7344**	1	PANEL GP-INSTRUMENT	1075
M	6	1	**6V-9672**	4	SCREW-MACHINE (M4X0.7X16-MM)	
M	7	1	**8T-4970**	2	BOLT (M6X1X14-MM)	
M	8	1	**9X-2044**	4	SCREW-TRUSS HEAD (M6X1X16-MM)	
	9	1	**9X-8256**	2	WASHER (6.6X12X2-MM THK)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



LEFT SIDE VIEW OF ENGINE



VIEW OF AREA A
(ITEMS REMOVED FOR CLARITY)

GRAPHIC #1 **<END>** g01879756

OPERATOR STATION

341-7344 PANEL GP-INSTRUMENT

PART OF 341-7343 PANEL GP-INSTRUMENT
AN ATTACHMENT

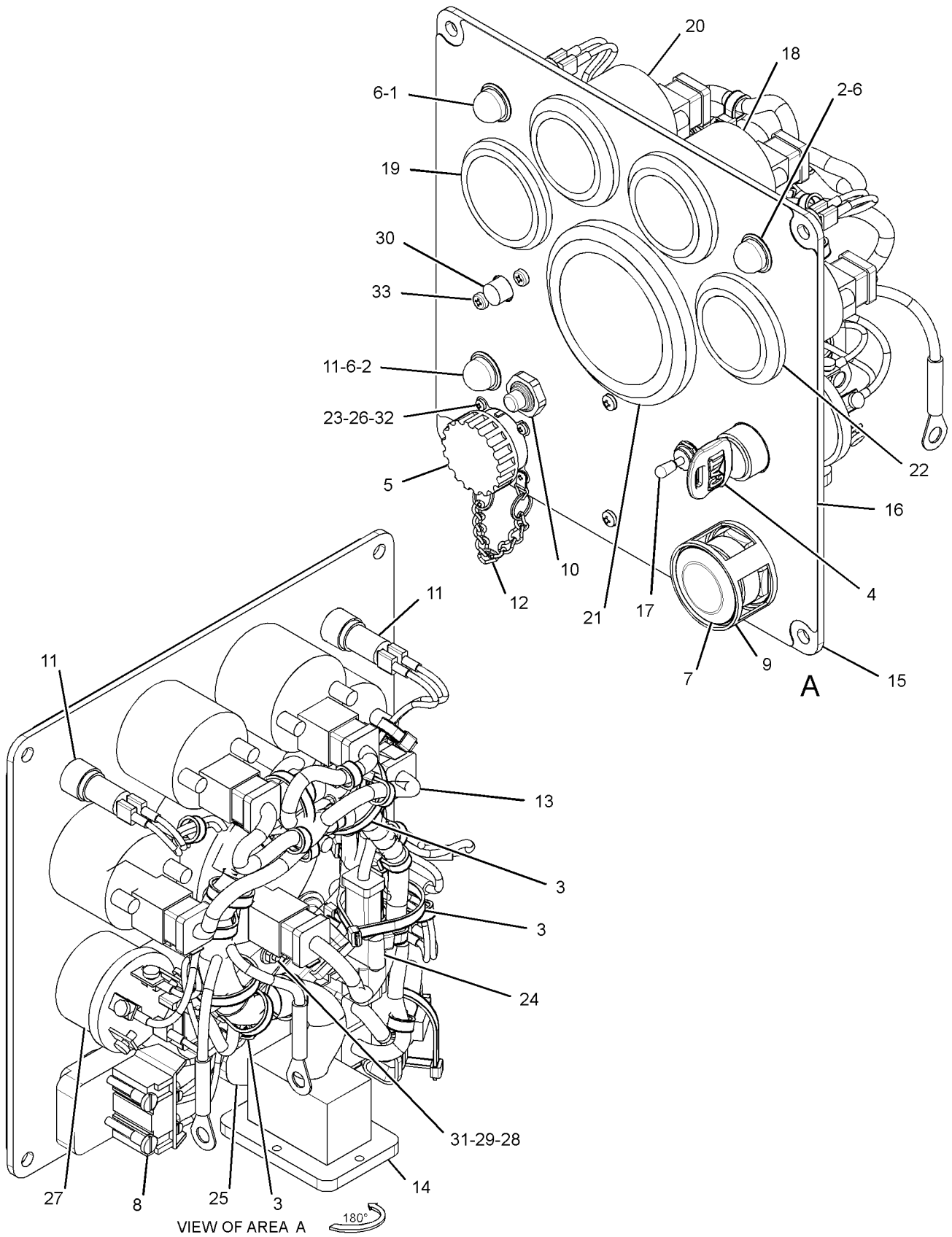
SMCS-7451 **i03684062**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**2V-7087**	1	LENS-AMBER	
	2	1	**2V-7088**	2	LENS-RED	
	3	1	**3S-2093**	3	STRAP-CABLE	
	4	1	**5P-8500**	1	KEY	
	5	1	**8C-6354**	1	CAP-RECEPTACLE	
	6	1	**8L-9801**	3	LAMP (12-VOLT)	
	7	1	**109-6507**	1	SWITCH AS-PUSH BUTTON (EMERGENCY STOP)	
	8	1	**111-1325**	1	BLOCK-CONTACT (2-POLE)	
	9	1	**124-3176**	1	COVER	
	10	1	**133-9405**	1	SWITCH AS-PUSH BUTTON (MAINTENANCE CLEAR)	
		1	**3K-0835**	1	NUT (5/8-24-THD)	
		1	**6F-0253**	1	LOCKWASHER	
		1	**8T-8729**	1	PIN-CONNECTOR (16-GA TO 18-GA)	
		1	**102-8803**	1	KIT-RECEPTACLE (3-PIN)	
		1	**3E-3371**	1	WEDGE-RECEPTACLE LOCK (3-PIN)	
	11	1	**156-0518**	3	SOCKET AS	
		1	**6V-8367**	1	LOCKWASHER	
		1	**6V-8382**	1	NUT-HEX (11/16-27-THD)	
	12	1	**167-3593**	1	STRAP	
	13	1	**248-0471**	1	HARNESS AS-PANEL	
		1	**155-2260**		KIT-CONNECTING PLUG (3-PIN)	
					(INCLUDES PLUG AS,WEDGE & INTERFACE SEAL)	
		1	**155-2270**		KIT-CONNECTING PLUG (2-PIN)	
					(INCLUDES PLUG AS,WEDGE & INTERFACE SEAL)	
		1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS,WEDGE & INTERFACE SEAL)	
		1	**3S-2093**	10	STRAP-CABLE	
		1	**155-2274**		KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS,WEDGE, & INTERFACE SEAL)	
	14	1	**266-2295**	1	HARNESS AS-PANEL	
		1	**3S-2093**	19	STRAP-CABLE	
		1	**9X-0145**	1	RECEPTACLE AS-CONNECTOR (24-PIN)	
		1	**176-9299**		KIT-RECEPTACLE (3-PIN)	
					(INCLUDES RECEPTACLE AS & WEDGE)	
	15	1	**279-0533**	1	PLATE	
	16	1	**279-0534**	1	FILM-INSTRUMENT	
	17	1	**301-2980**	1	SWITCH AS-TOGGLE (IDLE, HIGH, LOW)	
Y	18	1	*275-2081*	1	GAUGE GP-COOLANT TEMPERATURE (ENGINE)	1035
Y	19	1	*275-2086*	1	GAUGE GP-FUEL PRESSURE	1039
Y	20	1	*275-2096*	1	GAUGE GP-ENGINE OIL PRESSURE	1037
Y	21	1	*275-2103*	1	TACHOMETER GP-ELECTRIC	1083
Y	22	1	*275-2110*	1	VOLTMETER GP	1088
	23	1	**096-5962**	4	WASHER-HARD (3.4X7X0.8-MM THK)	
	24	1	**189-3158**	1	SUPPRESSOR-ARC	
	25	1	**274-8068**	1	MODULE GP-INTERFACE	
M	26	1	**3C-6969**	4	NUT (M3X0.5-THD)	
	27	1	**3E-0156**	1	SWITCH GP-START	
		1	**6V-8362**	1	SCREW-MACHINE (8-32X0.31-IN)	
		1	**7T-6799**	1	NUT-MOUNTING (1-32-THD)	
		1	**9B-7233**	1	LOCKWASHER	
	28	1	**4B-4863**	2	WASHER (4.7X11X1.2-MM THK)	
M	29	1	**5C-8312**	2	NUT (M4X0.7-THD)	
	30	1	**6T-3643**	1	CIRCUIT BREAKER AS (15-AMPERE)	
		1	**6V-8376**	2	SCREW-MACHINE (8-32X0.25-IN)	
		1	**9B-7233**	2	LOCKWASHER	
M	31	1	**6V-9493**	2	SCREW-MACHINE (M4X0.7X45-MM)	

341-7344 **PANEL GP-INSTRUMENT** *(contd.)* **i03684062**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
M	32	1	**6V-9671**	4	SCREW-MACHINE (M3X0.5X12-MM)	
	33	1	**9X-8486**	2	SCREW-MACHINE (8-32X0.75-IN)	

M-METRIC PART
Y-SEPARATE ILLUSTRATION



GRAPHIC #1 **<END>** g01879813

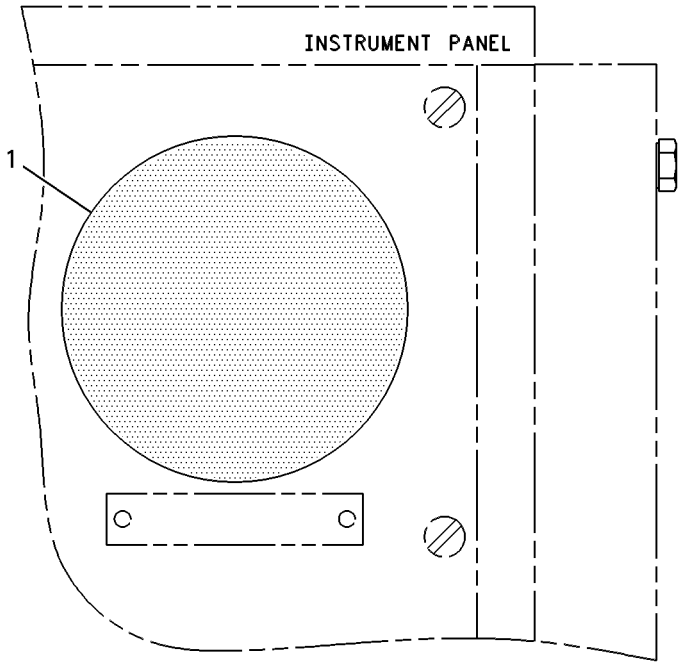
OPERATOR STATION

137-7021 PLUG GP-INSTRUMENT PANEL

FOR USE WITH 81-MM DIAMETER GAUGE PANEL OPENING
AN ATTACHMENT

SMCS-7451 **i01211591**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-2354**	1	PLUG AS	



GRAPHIC #1 **<END>** g00271229

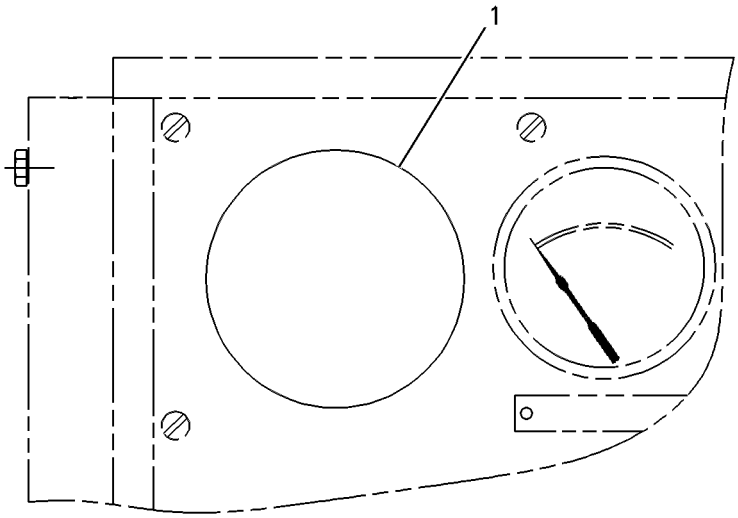
OPERATOR STATION

137-7022 PLUG GP-INSTRUMENT PANEL

FOR USE WITH 87.3MM DIAMETER GAUGE PANEL OPENING
AN ATTACHMENT

SMCS-7451 **i00647051**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**7W-2355**	1	PLUG AS	



GRAPHIC #1 **<END>** g00271349

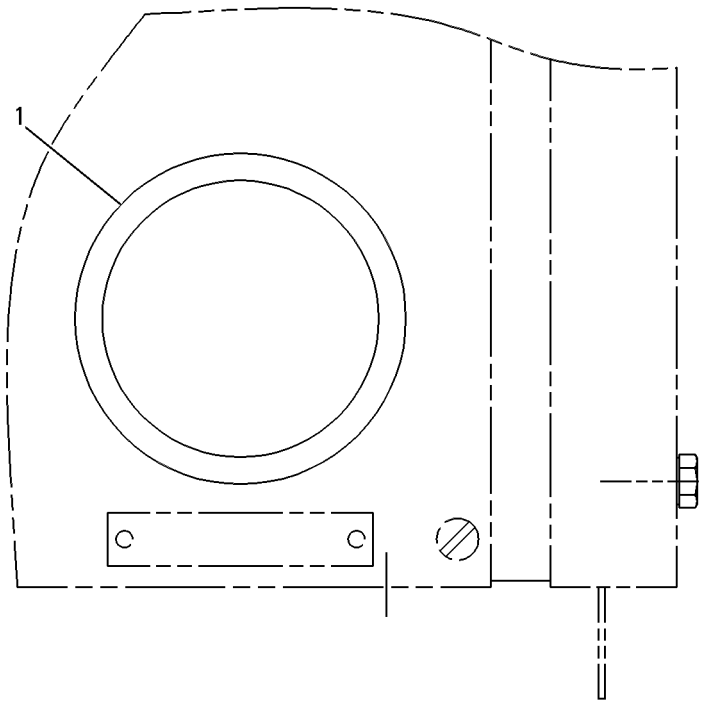
OPERATOR STATION

137-7023 PLUG GP-INSTRUMENT PANEL

FOR USE WITH 68-MM DIAMETER GAUGE PANEL OPENING
AN ATTACHMENT

SMCS-7451 **i00647058**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**3N-7212**	1	PLUG AS	



GRAPHIC #1 **<END>** g00271358

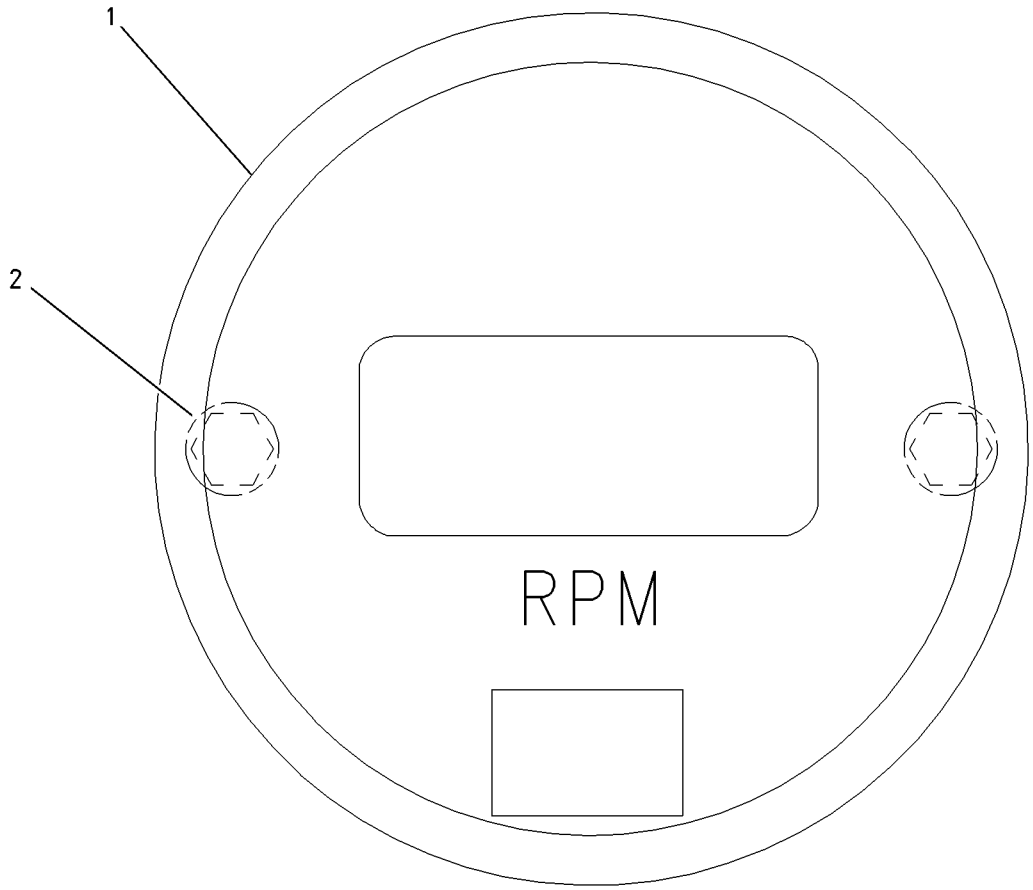
OPERATOR STATION

7C-1072 TACHOMETER GP-ELECTRIC

FOR USE WITH SAE NO. 1 FLYWHEEL HOUSING
AN ATTACHMENT

SMCS-7462 **i02698784**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**197-7348**	1	TACHOMETER GP (ELECTRONIC)	
	2	1	**6V-8377**	2	NUT (8-32-THD)	
		1	**9B-7233**	2	LOCKWASHER	



GRAPHIC #1 **<END>** g00780579

OPERATOR STATION

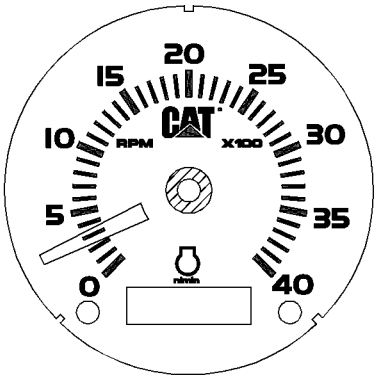
207-2825 TACHOMETER GP-ELECTRIC

0-4000 RPM. TACHOMETER WITH LCD INDICATOR
PART OF 232-4608 PANEL GP-INSTRUMENT
FIELD REPLACEMENT ORDER 275-2103—PAGE 1083. FOR USE WITH 210-4309—PAGE 868
AN ATTACHMENT

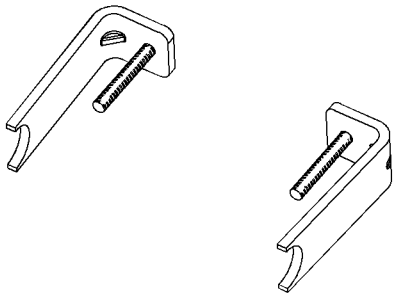
SMCS-7462 **i03551924**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-2043**	2	NUT (8-32-THD)	
	2	1	**9B-7233**	2	LOCKWASHER	
AF			**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR	
					ASSEMBLY AND MOUNTING PANEL_	

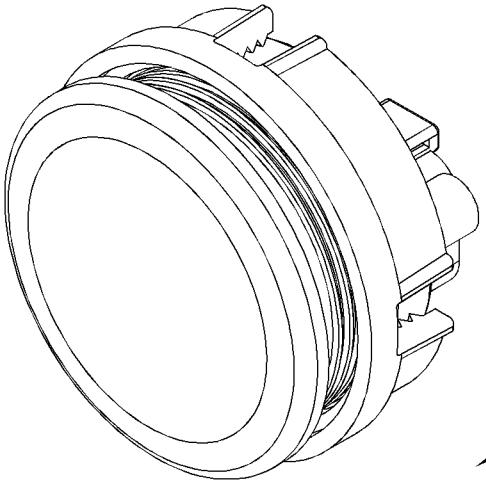
A-NOT PART OF THIS GROUP
F-NOT SHOWN

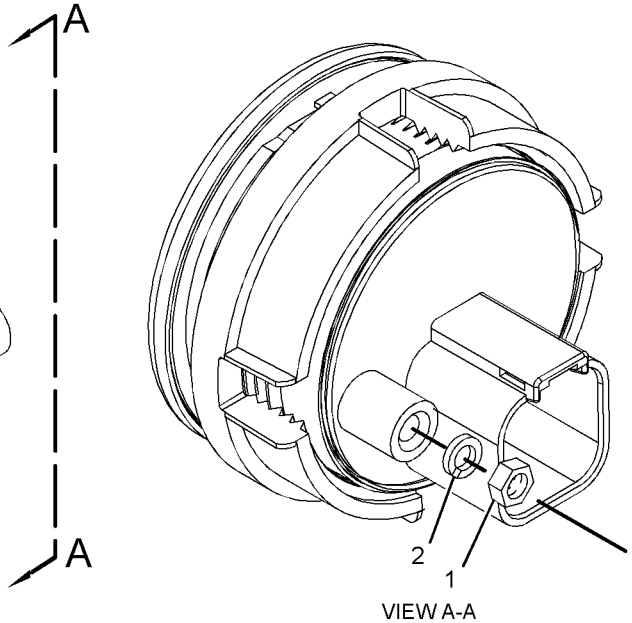


DIAL FACE



MOUNTING BRACKET





VIEW A-A

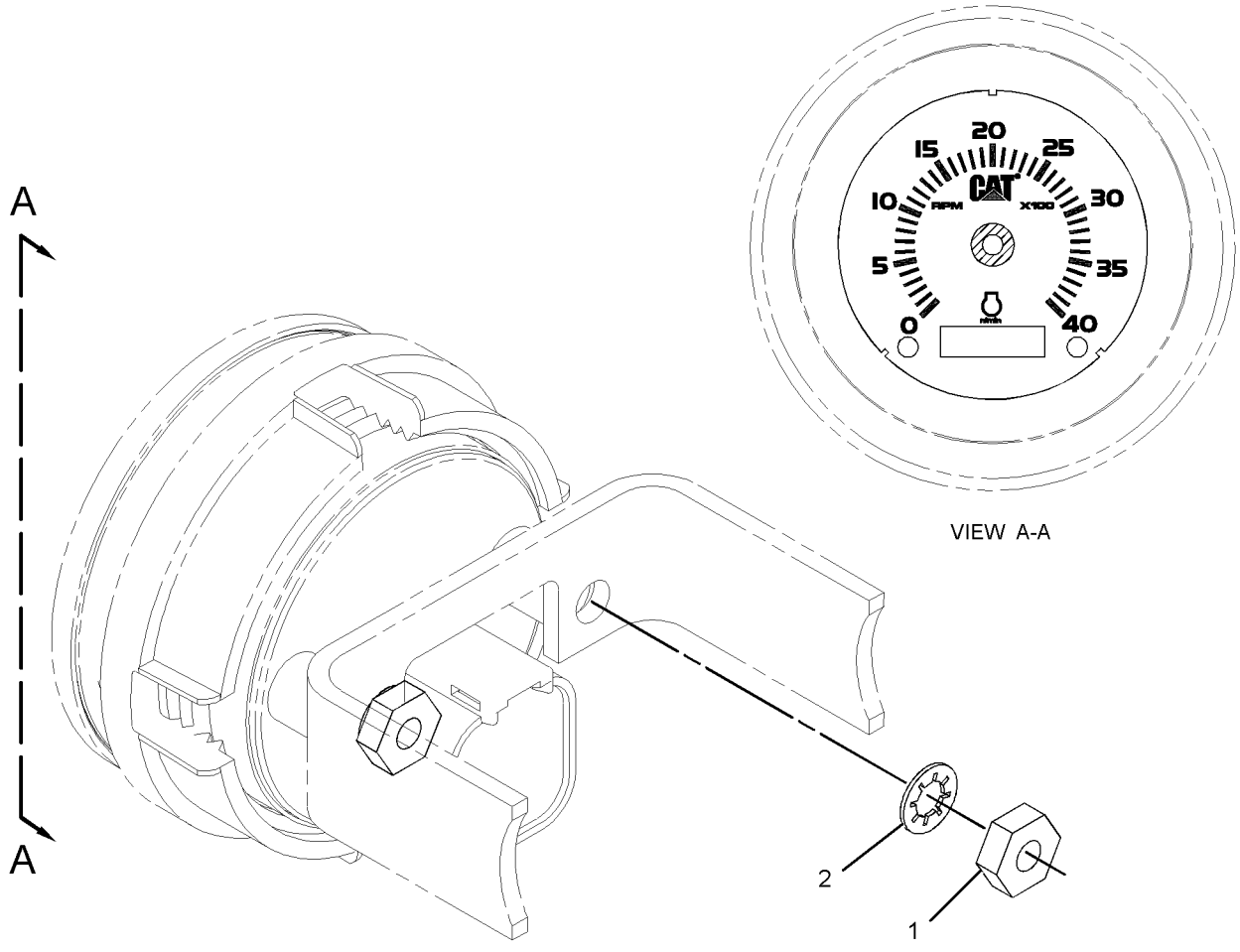
GRAPHIC #1 **<END>** g01157607

275-2103 TACHOMETER GP-ELECTRIC

0-RPM TO 4000-RPM
PART OF 266-2296, 341-7344 PANEL GP-INSTRUMENT
FIELD REPLACEMENT FOR 207-2825—PAGE 1082
AN ATTACHMENT

SMCS-7462 **i02502733**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-2043**	2	NUT (8-32-THD)	
	2	1	**9B-7233**	2	LOCKWASHER	



GRAPHIC #1 **<END>** g01218135

OPERATOR STATION

104-5687 VOLTMETER GP

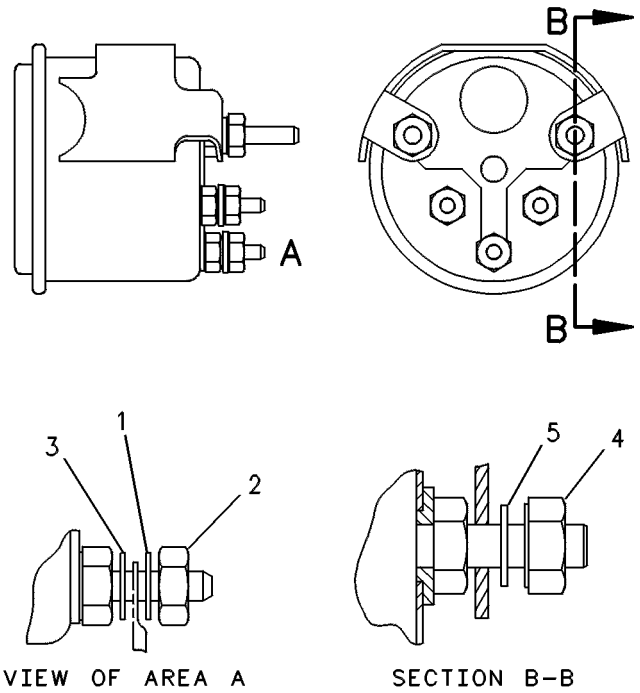
12-VOLT

PART OF 161-9110 PANEL GP-INSTRUMENT

AN ATTACHMENT

SMCS-7468, 7469 **i01455111**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-5324**	2	WASHER (3.9X9.6X1.2-MM THK)	
	2	1	**6V-8368**	2	NUT (6-32-THD)	
	3	1	**3L-8187**	2	LOCKWASHER	
	4	1	**4B-2043**	2	NUT (8-32-THD)	
	5	1	**9B-7233**	2	LOCKWASHER	



GRAPHIC #1 **<END>** g00236444

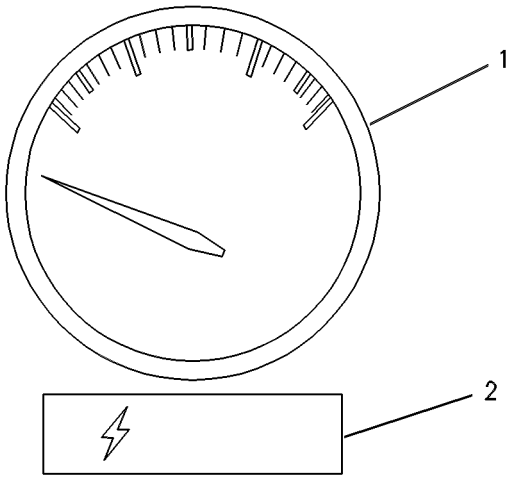
OPERATOR STATION

138-3141 VOLTMETER GP

12-VOLT
FOR USE WITH INSTRUMENT PANEL
AN ATTACHMENT

SMCS-7468, 7469 **i02333202**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**133-8720**	1	INDICATOR AS (VOLTMETER)	
		1	**4B-2049**	4	NUT (10-32-THD)	
		1	**8F-1434**	4	LOCKWASHER	
	2	1	**119-4084**	1	FILM-GAUGE IDENTIFICATION (VOLTMETER)	



GRAPHIC #1 **<END>** g00271000

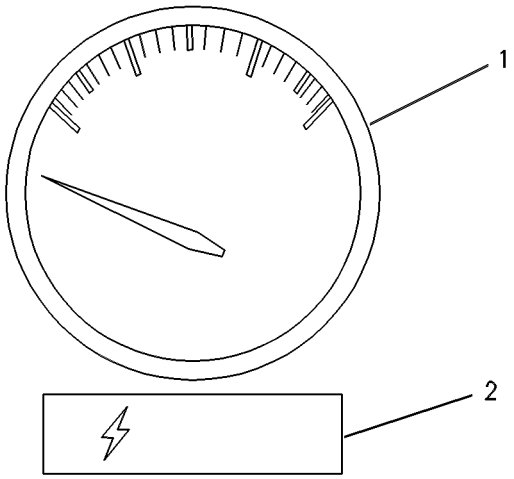
OPERATOR STATION

138-3142 VOLTMETER GP

24-VOLT
FOR USE WITH INSTRUMENT PANEL
AN ATTACHMENT

SMCS-7468, 7469 **i02333199**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**133-8721**	1	INDICATOR AS (VOLTMETER)	
		1	**4B-2049**	4	NUT (10-32-THD)	
		1	**8F-1434**	4	LOCKWASHER	
	2	1	**119-4084**	1	FILM-GAUGE IDENTIFICATION (VOLTMETER)	



GRAPHIC #1 **<END>** g00271000

207-2822 VOLTMETER GP

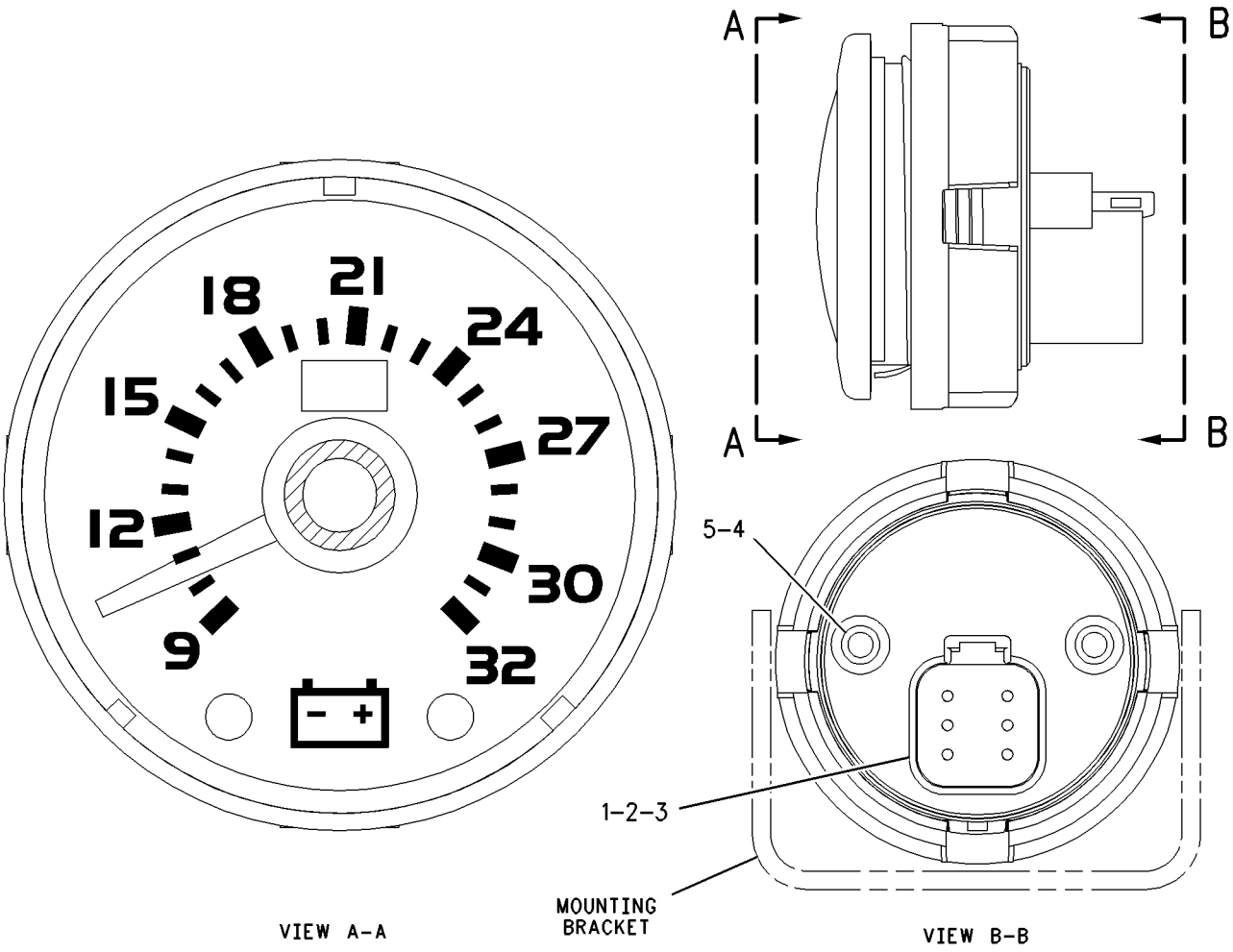
9-32-VOLTS

PART OF 232-4608 PANEL GP-INSTRUMENT

FIELD REPLACEMENT ORDER 275-2110—PAGE 1088. FOR USE WITH ELECTRONIC CONTROL AN ATTACHMENT

SMCS-7468, 7469 **i02673233**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**155-2274**	1	KIT-CONNECTING PLUG (6-PIN)	
					(INCLUDES PLUG AS AND WEDGE)	
	2	1	**186-3736**	4	SOCKET-CONNECTOR (16-GA TO 18-GA)	
	3	1	**155-2263**	1	WEDGE-PLUG LOCK (6-PIN)	
	4	1	**4B-2043**	2	NUT (8-32-THD)	
	5	1	**9B-7233**	2	LOCKWASHER	



GRAPHIC #1 **<END>** g00946689

OPERATOR STATION

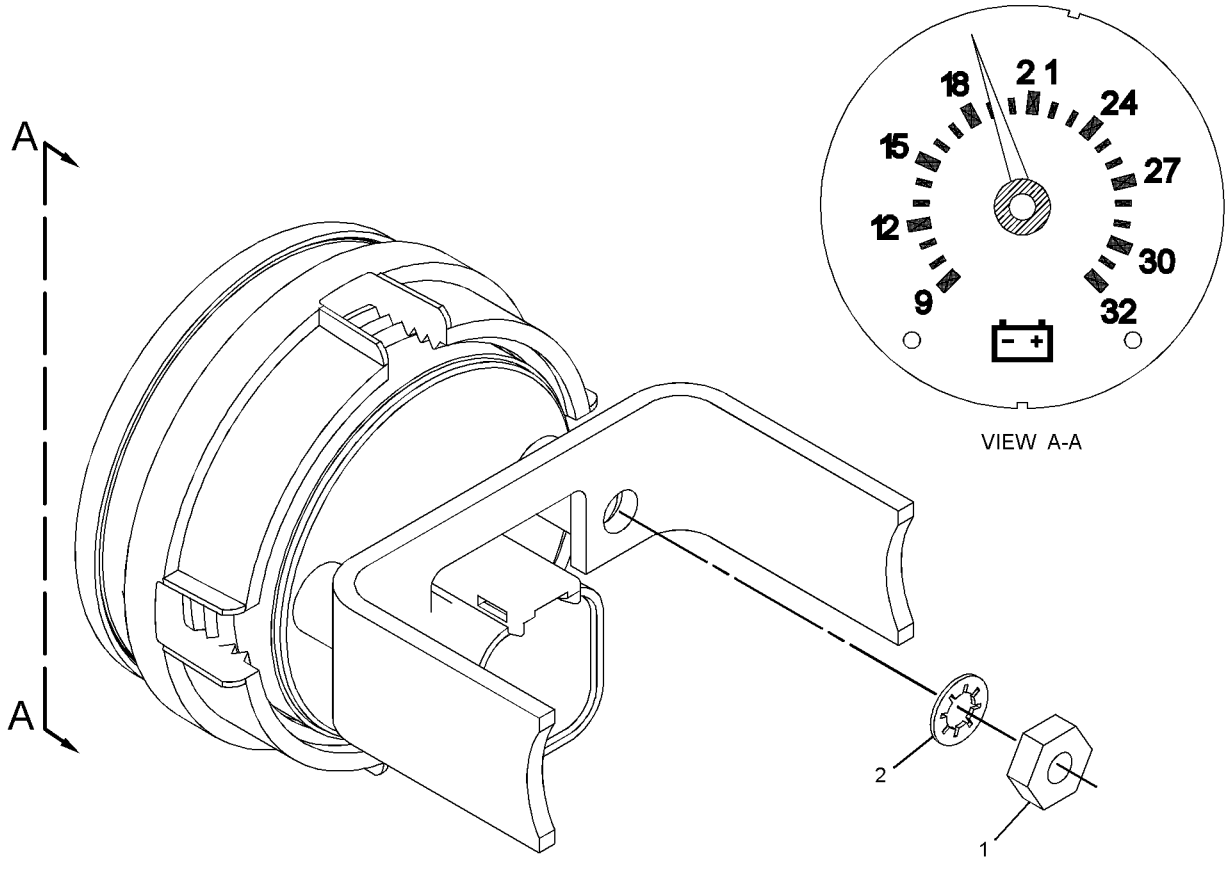
275-2110 VOLTMETER GP

9-32-VOLT DC
PART OF 266-2296, 341-7344 PANEL GP-INSTRUMENT
FIELD REPLACEMENT FOR 207-2822—PAGE 1087
AN ATTACHMENT

SMCS-7468, 7469 **i03551939**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**4B-2043**	2	NUT (8-32-THD)	
	2	1	**9B-7233**	2	LOCKWASHER	
AF			**6V-3507**	1	SEAL-RECTANGULAR	
					(SEAL SHOULD BE INSTALLED BETWEEN INDICATOR	
					ASSEMBLY AND MOUNTING PANEL)	

A-NOT PART OF THIS GROUP
F-NOT SHOWN



GRAPHIC #1 **<END>** g01347317

SERVICE EQUIPMENT AND SUPPLIES

6L-4502 CHART-PLATE & FILM

SMCS-7557 **i02422923**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	7E-8070	1	FILM (INFO)	
			(INSTALL ON LEFT HAND SIDE OF ENGINE, ON	
			SECOND FLAT SLANTED SURFACE FROM THE REAR OF ENGINE ON REAR VALVE COVER BASE)	
	114-5988	1	FILM-IDENTIFICATION (FUEL FILTER)	
			(INSTALL FILM ON SPIN-ON FUEL FILTER)	
	246-2900	1	FILM-IDENTIFICATION (OIL FILTER) (ENGINE)	
			(INSTALL ON SPIN-ON OIL FILTER)	
	228-3581	2	FILM-WARNING (DO NOT OPERATE, READ OMM)	
			(INSTALL ONE ON LEFT SIDE AND ONE ON RIGHT SIDE OF VALVE COVER BASE TOWARDS FRONT OF ENGINE)	
	229-5667	1	PLATE-IDENTIFICATION (C15 ACERT)	
			(INSTALL ON TOP OF REAR VALVE COVER)	
	234-1400	1	PLATE-IDENTIFICATION (BLANK)	
			(INSTALL ON TOP OF MIDDLE VALVE COVER)	
	234-1401	1	PLATE-IDENTIFICATION (CAT)	
			(INSTALL ON TOP OF FRONT VALVE COVER)	
	115-5852	1	PLATE & FILM GP (ENGINE INFORMATION)	
			(INSTALL ON LEFT HAND SIDE OF ENGINE ON VALVE COVER BASE IN FRONT OF VALVE COVER BASE BOLT ON SLANT SURFACE TOWARDS	
			FRONT OF ENGINE)	
			(INSTALL PROTECTIVE LAMINANT FILM)	
	3N-3790	1	PLATE-SERIAL NUMBER (ENGINE)	
			(INSTALL WITH LOCTITE COMPANY DEPEND ADHISIVE IN UPPER RIGHT HAND CORNER OF CYLINDER BLOCK	
			APPROXIMATELY 163-MM FROM REAR)	
			(FACE OF BLOCK TO LEFT HAND SIDE OF PLATE AND 152-MM FROM TOP FACE OF BLOCK TO TOP OF PLATE)	
			(STAMP SERIAL NUMBER IN BLOCK JUST BELOW PLATE IN FIGURES 6-MM HIGH)	
	8L-8413	1	STRAP-CABLE	
			(INSTALL PRESTART TAG)	
	3N-3469	1	TAG-INSTRUCTION (ENGINE PRESTART)	
			(INSTALL ON LEFT HAND SIDE OF ENGINE ABOVE ECM ON FUEL LINE HOSE. ON FRONT OR REAR OF ENGINE OR COMPONENT)	

<END>

SERVICE EQUIPMENT AND SUPPLIES

254-2263 KIT-FUEL PRIMING PUMP

PROVIDES AN INSTALLATION KIT FOR AN ELECTRIC FUEL PRIMING PUMP TO REPLACE THE HAND PUMP

AN ATTACHMENT

SMCS-1258 **i02601021**

NOTE	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
Y	**190-8977**	1	PUMP GP-FUEL PRM & WATER SEP	794
	1D-4538	1	BOLT (5/16-18X2.25-IN)	
	8H-8769	2	BOLT (5/16-18X4.25-IN)	
	2S-6024	1	FUSE (5-AMPERE)	
	031-5637	1	HOLDER-FUSE	
	8T-9655	6	MOUNT-ISOLATION	
	6V-8189	3	NUT (5/16-18-THD)	
	9S-8006	2	PLUG-O-RING	
	136-7227	2	SEAL-O-RING	
	191-1782	1	SPACER (8.5X12.7X38.2-MM THK)	
	191-1783	2	SPACER (8.5X12.7X87.3-MM THK)	
	9G-0011	1	SWITCH AS-TOGGLE (PRIMING PUMP)(ON/OFF)	
	3L-8187	3	LOCKWASHER	
	6T-3631	2	NUT-HEX (15/32-32-THD)	
	6T-3632	1	LOCKWASHER	
	6T-3633	1	RING-LOCKING	
	6V-8374	3	SCREW-MACHINE (6-32X0.25-IN)	
	9N-0869	6	WASHER-HARD (8.8X25.5X2-MM THK)	

Y-SEPARATE ILLUSTRATION

<END>

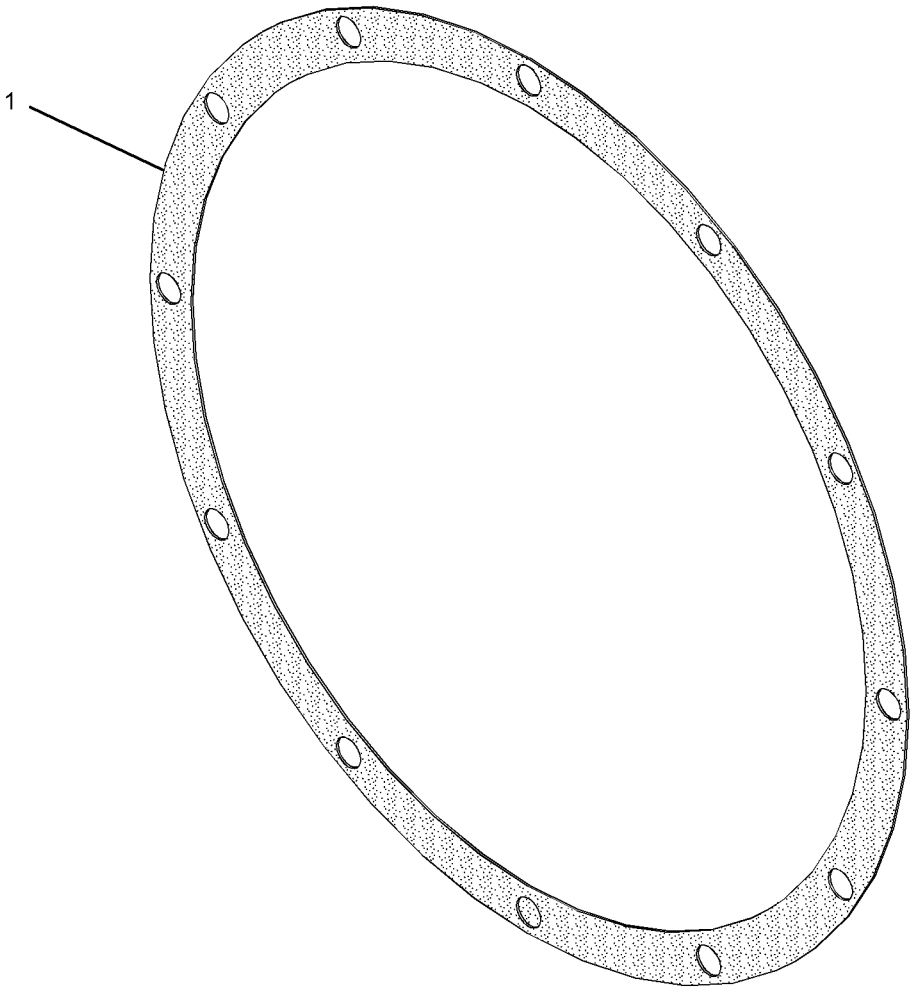
SERVICE EQUIPMENT AND SUPPLIES

128-2548 KIT-GASKET–AIR INLET MANIFOLD

AN ATTACHMENT

SMCS-7555 **i02537871**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**101-3125**	1	GASKET (AIR INLET MANIFOLD)	



GRAPHIC #1 **<END>** g01271123

SERVICE EQUIPMENT AND SUPPLIES

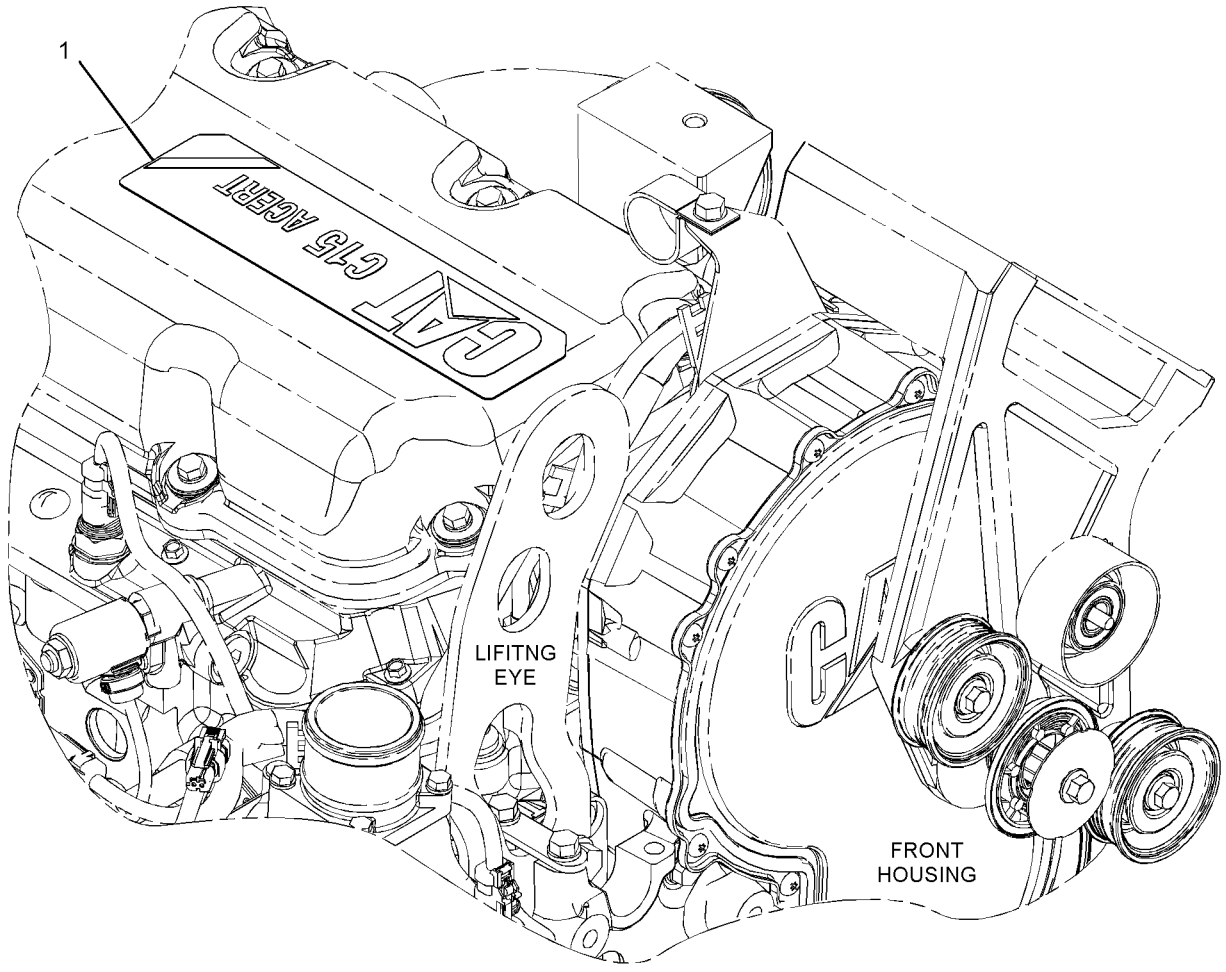
258-9972 PLATE GP-IDENTIFICATION

FOR USE WITH ENGINES RATED AT 435 HP TO 600 HP
AN ATTACHMENT

SMCS-7557 **i02756729**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
C	1	1	**305-3045**	1	PLATE-IDENTIFICATION (CAT C15 ACERT)	

C-CHANGE FROM PREVIOUS TYPE



GRAPHIC #1 **<END>** g01387122

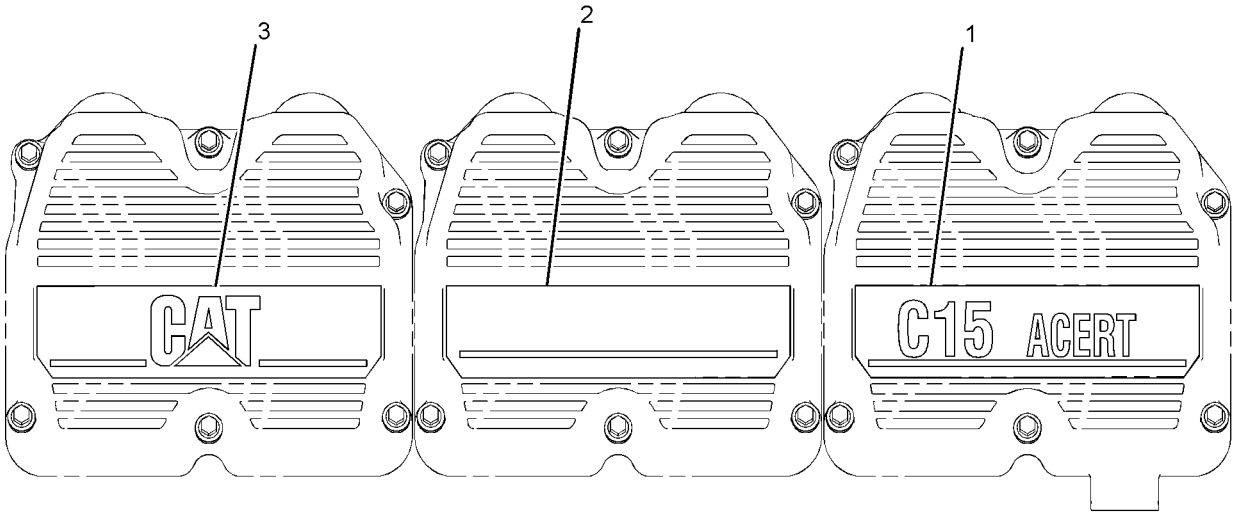
SERVICE EQUIPMENT AND SUPPLIES

260-6887 PLATE GP-IDENTIFICATION

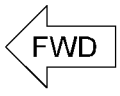
AN ATTACHMENT

SMCS-7557 **i02194935**

NOTE	REF NO	GRAPHIC REF	PART NUMBER	QTY	PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL)	SEE PAGE
	1	1	**229-5667**	1	PLATE-IDENTIFICATION (C15 ACERT)	
	2	1	**234-1400**	1	PLATE-IDENTIFICATION (BLANK)	
	3	1	**234-1401**	1	PLATE-IDENTIFICATION (CAT)	



TOP VIEW



GRAPHIC #1 **<END>** g01138220

MEMORANDA

PART NUMBER INDEX

Part	Page
0	
0L-0639	76
0L-1143	419
	1043
	1045
0L-1351	66
	239
	297
	308
	312
	314
	315
	317
	319
	325
	427
	433
	440
	444
	449
	451
	456
	457
	459
	461
	513
	523
	525
	527
	606
	607
	608
	609
	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760
	762
	765
	769
	772
	787
	789
	877
0L-1352	310
	501
	511
	513
	515
	517
	519
	521
	523
	525
	527
	529
	708
0L-1365	287
	289
	290
0L-1558	74
0L-1648	71
0L-2070	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
	200
	261
	263
	265
	465
0S-0509	239
	242
	243
	245
	247
	447
	450
	452
	453
	455
	478
	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760
	762
	765
	769
	772
	787
	789
	858
	870
	871
	874
	875
	876
	961
	963
	982
	1043
	1045
0S-0699	776
	777
0S-1566	251
	253
	397
	602
	670
0S-1571	231
	250
	287
	290
	294
	310
	427
	429
	433
	464
	466
	478
	725
	727
	749
	751
	772
0S-1573	310
0S-1576	27
	201
	202
	208
	209
	210
	212
	215
	860
	967
	970
0S-1577	205
	211
	217
0S-1585	287
	290
	293
	294
	296
	299
	301
	305
0S-1587	30
	71
	287
	289
	290
	292
	294
	296
	301
	308
	321
	323
	327
	493
	496
	497
0S-1588	74
	81
	188
	190
	191
	261
	263
	265
	297
	308
	312
	314
	315
	319
	321
	325
	327
	329
	417
	422
	427
	429
	433
	459
	461
	463
	476
	521
	621
	623
	624
	661
	681
	683
	685
	687
	689
	1024
	1025
	1043
	1045
0S-1589	85
	86
	371
0S-1590	66
	179
	297
	308
	419
	429
	521
	600
	602
	668
0S-1591	71
	76
	250
	303
	305
	307
	310
	312
	314

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	315		317		175	1A-1460	74
	317		319		177		76
	319		325		248		286
	325		429		251		287
	401		440		253		289
	429		442		427		290
	456		443		429		292
	457		468		431		293
	459		476		432		294
	461		481		433		299
	502		511		464		300
	503		513		466		301
	508		515		774		303
	511		517		775		305
	513		519	0S-1625	71		307
	515		521		370	1A-2029	150
	517		523	0S-1973	1022		151
	519		525	0T-0055	65		152
	521		527		189		153
	523		529		192		155
	525		661		195		157
	527		681		196		159
	540		683		197		161
	620		685		241		163
	679		687		261		165
	680		689		263		167
	730		715		265		169
	732		729		287		171
	743		753		289		173
	745		756		290		183
	747		1025		292		233
	762		1043		294		239
	765		1045		296		286
	769	0S-1595	270		301		293
	872		271		1025		294
	873		272	0T-0065	743		296
	882		308		745		299
	884		521		747		300
0S-1594	66	0S-1597	943		762		303
	71		947		765		305
	78	0S-1600	214		769		307
	79	0S-1601	206	0T-0102	708		321
	80	0S-1602	216		712		323
	84		227		859		421
	87	0S-1608	427		924		427
	89		431	0T-0320	957		429
	175		433	0T-0573	250		431
	177		500		734		432
	193	0S-1613	175		737		433
	239	0S-1617	76		740		441
	241		175		787		455
	242		177		789		456
	243		446		961		457
	245		447	0T-0772	458		459
	247		481	0V-0375	513		464
	248		483		521		466
	250		485		523		478
	251		487		525		513
	253		489		527		523
	268	0S-1618	483				525
	269		485				527
	273		487	1			600
	284		489				602
	285	0S-1619	84	1A-1135	540		725
	312		89		636		727

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	729		716		765	1G-9182	1000
	730		785		769		1011
	732		786		872	1G-9185	1000
	743		793		873		1011
	745	1B-7538	148		1047	1G-9187	999
	747		220	1F-7958	32		1000
	749		229		34		1010
	751	1B-8705	231		42		1011
	753	1B-8737	74		44	1G-9188	1000
	756	1B-9575	844		46		1011
	762		846		48	1G-9190	999
	765	1C-0569	681		66		1010
	769		683		74	1G-9193	999
	772		685		82		1010
	787		687		83	1G-9196	999
	789		689		155		1010
1A-3203	146	1C-2251	239		157	1G-9205	1000
	228		465		159		1011
1A-4273	967	1D-4533	786		161	1H-1023	929
	970	1D-4538	1090		163		947
	973	1D-4541	786		165	1H-1200	509
1A-5183	65	1D-4569	233		167	1H-2629	929
	239	1D-4585	369		169		947
	287	1D-4707	429		171	1H-3244	803
	290	1F-0750	239		173		806
	294		242		194		809
1A-5350	1052		243		286		812
1A-5822	527		245		287		813
1A-5964	66		247		289		815
	242		312		290		817
	289		315		292		819
	292		319		293		821
	296		325		294		823
	301		456		296		825
	734		457		297		829
	737		459		299		831
	740		476		300		833
	758		481		301		871
	760		547		303		873
	1025		548		305	1H-3337	793
1A-7669	241		549		307	1H-3338	951
1A-9579	476		551		426		952
1B-2713	614		553		600	1H-4393	1055
1B-2790	715		556		602	1H-8647	31
1B-3057	661		560	1F-7960	155	1H-9569	957
1B-3867	31		564		157	1H-9572	957
1B-4430	287		568		159	1H-9580	957
	289		571		161	1J-9671	257
	290		575		163		259
	292		578		165	1K-6872	308
	294		583		167	1K-6937	544
	296		586		169	1L-2279	924
	301		589		171		926
1B-5355	679		592		173	1L-3769	714
	680		598	1G-3176	1004	1L-4863	76
1B-5357	634		600		1014	1L-5011	▶957
	637		602	1G-7407	1007	1L-5081	730
1B-5358	632		709	1G-9175	999		732
	633		710		1010		743
	635		730	1G-9176	999		745
	636		732		1010		747
	670		743	1G-9177	999	1L-6931	71
	671		745		1010		74
1B-7182	327		747	1G-9178	999		76
	540		762		1010	1L-9048	957

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
1L-9049	957
1L-9059	957
1L-9060	957
1L-9061	957
1L-9062	957
1L-9063	957
1L-9064	957
1L-9066	957
1L-9067	957
1L-9068	957
1L-9069	957
1M-0130	87
1M-0644	469
1M-3419	596
	598
	673
	674
	675
	676
1M-4986	932
1M-6119	835
	836
	837
	838
	839
	976
1M-6120	835
	836
	837
	838
	839
	976
1M-9968	930
	948
1M-9971	929
	947
1N-3583	714
1N-3789	715
1N-3810	440
	444
1N-3876	▶238
1N-3877	238
1N-3974	154
1N-4888	▶1022
1P-0436	715
	716
	785
	786
	793
1P-0808	167
1P-1367	416
1P-1669	259
1P-3704	429
1P-4278	542
	544
	553
	556
	560
	564
	568
	571
	575
	578
	581
	583
	586
	589
	592
1P-4578	458
1P-7346	231
1P-7625	274
1P-9328	507
	544
	553
	556
	560
	564
	568
	571
	575
	578
	581
	583
	586
	589
	592
1P-9946	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
1R-0716	427
	431
1R-0749	715
	716
	785
	786
	793
1R-1808	429
	432
	433
	435
	436
1S-4295	694
	695
	699
	700
	701
	703
	705
	706
1S-4577	679
	680
1S-7251	838
	839
	976
1S-7446	929
	947
1S-9130	286
	293
	299
	300
	303
	305
	307
1S-9540	118
	120
	122
1S-9593	982
1T-0720	879
	880
1T-0765	776
	777
1T-0808	947
1U-8846	175
	177
	249
1W-1456	286
	287
	289
	290
	292
	293
	294
	296
	299
	300
	301
	303
	305
1W-2489	668
1W-3014	406
1W-3136	248
	251
	253
	257
1W-4150	498
1W-5833	793
1W-6134	66
1W-6448	882
	884
1W-7020	429
1W-7238	469
1W-7239	469
1W-7385	429
1W-9070	681
	683
	685
	687
	689
1W-9113	311
	598
	600
2A-0047	598
	600
2A-1162	249
	251
	253
	255
	359
2A-1531	303
	305
	307
2A-2814	224
2A-4429	133
	134
	139
2A-4639	452
	453
2B-2695	91
	154
	420
	423
	424
	425
2B-2814	860
	967
	970
2B-6030	218
	373
2B-7408	74
2D-3165	877
2D-4534	66
2D-4867	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
2D-6392	929
	947
2D-8822	66
2F-6262	66
2F-6678	930
	948
2F-7771	365
	366
	367
	368
2F-7888	852
2G-6777	924
2H-3429	714
	929
	947
2H-3755	882
	884
2H-3855	175
	177
2H-3934	233
2H-6488	395
2J-0157	714
2J-3118	231
2J-3505	1022
2J-3506	638
2J-8163	929
	947
2K-0564	74
2K-4472	233
2K-4821	803
	806
	813
	817
	819
	821
	823
	825
2K-4973	308
	312
	314
	315

2

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	317		850		436	2S-3770	663
	319		1054	2P-4305	427		664
	325	2N-2372	850		429		665
	461	2N-2765	616		433	2S-4663	233
2L-0273	963		617	2P-4358	40	2S-5658	924
2L-3605	681		618	2P-5616	803		926
	683		619		806	2S-6024	1090
	685		694		813	2S-7010	544
	687		695		815		553
	689		699	2P-7214	769		556
2L-4437	74		700		772		560
2L-4441	74		701		787		564
2L-6010	71		703		789		568
2L-6243	440		705	2P-7554	233		571
	449		706	2P-7555	233		575
2L-6267	71	2N-2766	616	2P-8421	478		578
	76		617		481		583
2L-6679	929		618		483		586
	947		619		485		589
2L-7151	74		663		487		592
2L-7152	74		664		489	2S-7593	66
2L-7153	74		665	2P-8986	233	2S-7905	469
2L-7154	74		694	2P-8987	233	2V-1713	913
2L-7155	74		695	2P-9084	155		914
2L-7156	74		699		157		915
2L-7157	74		700		159	2V-4868	692
2L-7158	74		701		161		693
2L-7159	74		703		163	2V-7087	848
2L-7160	74		705		165		850
2L-7161	74		706		167		1054
2L-7162	74	2N-3474	1031		169		1062
2L-7246	74	2N-3924	443		171		1075
2L-8065	1062	2N-5848	1052		173	2V-7088	848
2L-8066	965	2N-8612	▶407	2R-6806	725		850
2L-8068	1062	2N-9263	▶629		727		1054
2L-8071	965	2N-9421	852		730		1062
2L-8075	803	2P-1956	28		732		1075
	806	2P-2720	66		734	2V-7397	835
	813	2P-2772	84		737		836
	815		89		740		837
	1062		175		743	2W-0619	963
2L-8081	965		177		745	2W-0629	924
2M-0849	66		248		747		926
	297		251		749	2W-2021	468
	493		253		751	2W-2072	235
	496		257		753	2W-3681	1052
	497	2P-3203	311		756	2W-4904	71
2M-9780	36	2P-3205	198		758	2W-4908	▶71
	38		199		760		365
	40		312		762	2W-4909	▶365
	41		314		765	2W-4912	▶74
	46		315		769		366
	48		317		772		368
	52		319		774	2W-4913	▶366
	53		321		775	2W-6183	▶597
	175		323		787	2W-6225	94
	177		469		789	2W-7282	429
	465	2P-4303	427	2S-0795	513	2W-7615	233
	466		429		521	2W-7766	668
	515		433		523	2W-7811	1049
	517	2P-4304	418		525		1051
	519		427		527	2W-7846	▶632
2N-0794	1052		429	2S-2760	469	2W-7847	1
2N-0816	1052		433	2S-2923	236		▶633
2N-2371	848		435	2S-3440	877	2W-7848	▶634

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
2W-7850	▶635
2W-7851	▶636
2W-7863	1
	▶637
2W-7864	637
2W-7865	637
2W-9499	275
	276
3	
3B-0623	125
	128
	131
3B-0645	125
	128
	131
3B-1915	201
	308
	321
	323
	327
	464
	465
	478
	725
	727
	749
	751
	753
	756
	772
	787
	789
	967
3B-1925	251
	253
3B-4501	955
3B-4502	1041
3B-4506	74
	76
	509
3B-4508	76
3B-4510	74
3B-6498	924
	926
3B-6552	597
	598
	600
	602
	606
	607
	608
	609
	610
	611
3B-6555	924
	926
3B-6768	913
	914
	915
3B-7257	924
	926
3B-7280	924
	926
3B-8485	66
3B-8489	71
	74
	76
3C-6969	1055
	1063
	1075
3D-2824	274
	327
	360
	361
	478
	481
	483
	485
	487
	489
	515
	517
	519
	523
	525
	527
	535
	536
	537
	538
	539
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
3D-2871	248
3E-0156	848
	850
	1055
	1063
	1075
3E-3362	913
3E-3365	976
3E-3371	890
	1062
	1075
3E-4041	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
3E-4352	787
	789
3E-4353	284
	285
3E-4367	841
	965
	982
	1041
3E-5239	913
3E-5446	817
3E-5447	817
3E-5448	817
3E-5450	817
3E-5451	817
3E-5452	817
3E-5454	809
	812
	817
3E-5455	817
3E-5457	817
3E-5458	817
3E-5459	817
3E-5460	817
3E-5461	817
3E-5462	817
3E-6772	135
	137
	141
3E-7424	597
3E-7427	149
	363
	364
3E-7771	930
	948
3E-7775	938
	940
	943
3E-7853	945
3E-7886	▶897
	899
3E-8008	1004
	1014
3E-8035	848
	850
3E-8044	261
	263
	265
3E-8557	841
	965
	982
3E-8558	1041
3F-0379	938
	940
3F-3728	76
3F-9556	76
	817
	819
	821
	823
	825
3H-5368	365
	367
3H-7654	148
	186
	238
	398
3H-9571	76
3H-9572	76
3H-9574	76
3H-9575	74
3J-1907	50
	55
	175
	177
	478
	481
	483
	485
	487
	489
	515
	517
	519
	521
	523
	525
	527
	717
	719
	999
	1004
	1010
	1014
3J-5389	627
3J-7352	32
	34
	42
	44
	46
	48
	154
3J-7354	42
	44
	46
	48
	154
	257
	416
	997
	1000
	1004
	1007
	1011
	1014
	1021
3K-0360	36
	50
	55
	257
	506
	515
	517

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	519	3N-4792	1052		948		940
	521	3N-4899	76	3R-9090	▶407		943
	523	3N-5716	1054	3S-0036	248		945
	525	3N-5986	1049	3S-2093	57		947
	527		1051		60	3T-3423	929
	557	3N-5987	1049		63		930
	575		1051		478		947
	589	3N-5988	1049		708		948
	774		1051		712	3T-3424	929
	1004	3N-5990	1029		713		930
	1014	3N-5992	1029		725		947
3K-0715	1027	3N-7054	950		727		948
	1028	3N-7055	950		730	3T-3434	929
3K-0835	1062	3N-7056	▶950		732		938
	1075	3N-7212	1080		734		940
3K-1715	838	3N-7351	509		737		943
3K-8106	855	3N-7848	681		740		945
3K-8460	255		683		743		947
	259		685		745	3T-4709	929
	491		687		747		947
3K-9520	848		689		749	3T-4710	929
	850	3N-7992	▶509		751		947
3L-1425	155		510		753	3T-6354	803
	157	3N-8123	76		756		806
	159	3N-8124	76		758		809
	161	3N-8125	76		760		813
	163	3N-8269	1049		762		815
	165		1051		765		829
	167	3N-8427	71		769		831
	169	3N-8782	▶954		772		833
	171	3N-8803	214		787	3T-9494	929
	173		224		789		930
3L-2875	1043	3N-9012	▶1029		861		947
	1045	3N-9014	1049		862		948
	1060		1051		961	3T-9524	930
	1067	3N-9015	▶1030		963		948
	1070		1049		966	3T-9525	929
3L-3380	929	3N-9094	▶510		967		947
	947	3N-9175	71		970	3V-6153	924
3L-8187	848	3N-9176	71		973	3V-6785	838
	850	3N-9178	71		1041		
	1055	3N-9179	71		1054		
	1084	3N-9180	71		1058	**4**	
	1090	3N-9583	66		1060		
3L-9689	464	3N-9599	509		1062	4B-0418	452
3N-1461	71	3N-9607	509		1067		453
3N-1462	71	3N-9612	509		1070	4B-1237	848
3N-1555	510	3N-9635	509		1075		850
3N-3015	632	3P-0650	427	3S-4661	439	4B-2041	1052
3N-3017	633		429	3S-6049	838	4B-2043	803
3N-3469	1089		431	3S-6050	838		806
3N-3718	817		432	3S-9643	511		815
3N-3763	930		433		513		817
	948	3P-0653	916		515		1034
3N-3790	1089		918		517		1035
3N-4411	924		920		519		1036
3N-4418	1030		922		521		1037
	1031	3P-1155	882		523		1038
3N-4420	1030		884		525		1039
3N-4427	1030	3P-4134	877		527		1054
	1049	3R-8797	929		529		1082
	1051		943	3T-3418	929		1083
3N-4565	1030		945		947		1084
	1031		947	3T-3422	929		1087
3N-4622	1052	3R-8801	930		938		1088

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
4B-2047	829
	831
	833
4B-2049	930
	948
	1030
	1049
	1052
	1085
	1086
4B-3586	404
4B-4043	175
	177
	608
	609
4B-4274	852
4B-4278	297
	308
4B-4281	898
	899
4B-4550	66
	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
4B-4716	76
4B-4721	76
4B-4723	74
4B-4754	76
4B-4758	76
4B-4760	74
4B-4764	71
4B-4773	71
4B-4775	74
4B-4792	76
4B-4810	71
	76
4B-4863	854
	855
	1055
	1075
4B-5324	961
	1084
4B-7270	76
4B-7770	877
	924
	926
4B-9782	71
	378
	380
	381
	382
	383
	387
	389
4B-9880	181
	182
4D-3704	85
	86
	205
	206
	207
	208
	209
	210
	211
	212
	213
	214
	215
	216
	217
	218
	219
	220
	221
	222
	223
	224
	225
	226
	227
	228
	229
	393
	404
	928
4D-3967	924
	926
4D-6466	1060
	1067
	1070
4D-7733	727
4D-7735	725
	730
	734
	737
	743
	745
	749
	753
	758
	762
	769
	787
4D-9517	542
	581
4F-0411	185
	511
	513
	515
	517
	519
	521
	523
	525
	527
	529
4F-3714	708
	709
	710
4F-4873	510
4F-5607	429
4F-6024	150
	151
	152
	153
	235
4F-7957	31
	57
	59
	60
	61
	62
	63
4H-0002	76
4H-7869	924
	926
	932
	935
	936
	937
4J-4382	542
	581
4J-5175	877
4K-0367	66
4K-1388	274
	515
	517
	519
	523
	525
	527
4K-5175	145
4K-6297	721
	729
	730
	732
4K-8864	463
	1043
	1045
4K-9097	483
	485
	487
	489
4K-9821	913
4K-9822	913
4L-2729	930
	948
4L-3527	76
4L-3862	510
4L-5757	544
	547
	548
	549
	551
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
4L-5801	▶670
4L-6105	74
4L-6454	575
	578
	709
	710
	1047
4L-6459	1041
4L-7711	999
	1010
4L-9337	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
4M-0061	542
	581
4M-0189	151
	152
	175
	177
	257
	1026
4M-0200	857
4M-0893	429
4M-1827	929
	947
4M-1828	929
	947
4M-1831	929
	938
	940
	943
	945
	947
4M-1853	929
	947
4M-1854	929
	947
4M-1896	930
	948
4M-5281	817
	848
	850
4M-6425	542
	581
	793
4M-6480	87
4N-0641	513
	523
	525
4N-0683	118
	120
	122
	406
4N-0684	113
	155
	157

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	159
	161
	163
	165
	167
	169
	171
	173
	175
	177
	233
	235
	255
4N-0699	78
	79
	421
	464
	466
4N-0848	175
	177
	233
4N-0913	456
	457
	459
4N-0914	456
	457
	459
4N-0933	175
	177
	248
	251
4N-0995	456
4N-1047	143
4N-1059	928
	933
	934
4N-1114	85
	86
	88
	90
4N-1128	▶456
	▶457
4N-1151	317
	319
	321
4N-1230	150
	151
	152
	153
	233
4N-1294	440
	449
4N-1650	118
	120
	122
4N-2040	464
	466
4N-2109	146
4N-2211	427
	429
	433
4N-2481	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	▶419
4N-2514	29
	205
	206
	207
	208
	209
	210
	211
	212
	214
	215
	217
	218
	220
	221
	222
	223
	224
	225
	227
	229
4N-2883	681
	683
	685
	687
	689
4N-3091	492
4N-3092	495
4N-3093	▶492
4N-3094	▶495
4N-3123	472
4N-3338	496
4N-3410	924
	926
4N-3466	▶496
4N-3661	311
	312
	314
	315
4N-3889	683
	687
4N-3890	681
	685
	689
4N-3986	▶803
	▶806
4N-4286	2
	▶393
4N-4371	916
	918
	920
	922
4N-4375	916
	918
	920
	922
4N-4376	916
	918
	920
	922
4N-4377	916
	918
	920
	922
4N-4378	916
	918
	920
	922
4N-4379	916
	918
	920
	922
4N-4380	916
	918
	920
	922
4N-4381	916
	918
	920
	922
4N-4382	916
	918
	920
	922
4N-4383	916
	918
	920
	922
4N-4384	916
	918
	920
	922
4N-4386	916
	918
	920
	922
4N-4387	916
	918
	920
	922
4N-4388	916
	918
	920
	922
4N-4390	916
	918
	920
	922
4N-4391	916
	918
	920
	922
4N-4392	916
	918
	920
	922
4N-4393	916
	918
	920
	922
4N-4394	916
	918
	920
	922
4N-4397	916
	918
	920
	922
4N-4400	916
	918
	920
	922
4N-4402	916
	918
	920
	922
4N-4403	916
	918
	920
	922
4N-4405	916
	918
	920
	922
4N-4409	916
	918
	920
	922
4N-4413	916
	918
	920
	922
4N-4421	916
	918
	920
	922
4N-4526	66
4N-4941	286
	303
	307
4N-4942	299
	300
	305
4N-4943	287
	290
	294
4N-6289	155
	173
4N-6423	▶407
4N-7082	427
	429
	433
4N-8025	396
4N-8150	416
4N-8198	▶407
4N-8216	287
	289
	293
	299
4N-8225	307
4N-9680	236
4N-9720	510
4P-0519	30
	321

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	323
	327
4P-0902	734
	737
	740
	758
	760
4P-2383	541
4P-3020	71
4P-4278	378
4P-4279	378
4P-5416	297
4P-5532	1
	▶143
4P-5893	▶146
4P-5894	▶144
4P-6817	▶205
4P-6818	205
4P-6846	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	▶193
4P-7371	378
4P-7373	312
	314
	315
	317
	319
	325
	457
	459
	461
4P-7429	967
	970
	973
4P-7581	730
	732
	743
	745
	747
	758
	760
	762
	765
	769
	966
	967
	970
	973
	981
4P-7582	967
	970
	973
	977
	978
4P-7731	▶491
	513
	521
	523
	525
	527
4P-8021	681
	683
	685
	687
	689
4P-8087	▶407
4P-8134	712
	713
	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760
	762
	765
	769
	772
	963
	967
	970
	973
	979
4P-8169	210
4P-9131	459
4S-4857	1052
4S-6137	663
	664
	665
4S-9191	429
4V-1878	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
4W-0229	29
4W-0506	1049
	1051
4W-1873	▶311
4W-2655	74
4W-2683	1049
	1051
4W-4536	926
4W-5074	393
4W-5176	395
4W-5698	113
4W-5699	113
4W-5700	113
4W-5701	113
4W-6366	1022
4W-6841	730
	732
	743
	745
	747
	769
	787
	789
4W-7186	207
	212
	222
4W-7626	476
4W-9160	615
	628
	640
4W-9183	▶615
4W-9890	78
	79
5	
5B-0841	213
	219
5B-2404	76
5B-2406	76
5B-2407	76
5B-2410	71
	76
5B-2638	65
5B-5821	235
5B-9169	509
5B-9603	297
	308
	787
	789
5C-2890	951
	952
5C-8312	1055
	1075
5C-9553	1058
5D-6523	443
5E-8743	999
	1010
5E-8747	999
	1010
5E-8751	999
	1010
5E-8765	999
	1010
5E-8767	427
	429
	433
5E-8769	50
	55
	999
	1010
5E-8771	231
5E-8777	999
	1010
5F-0229	74
5F-0304	249
	251
	253
	255
	359
5F-3092	66
5F-3106	150
	153
	175
	177
	233
	986
5F-3999	82
5F-8651	916
	918
	920
	922
5F-9144	717
	719
5G-9603	743
	745
	747
	762
	765
	769
5H-0244	250
5H-1190	681
	683
	685
	687
	689
5H-1504	135
	137
	141
5H-3633	932
5H-5744	681
	683
	685
	687
	689
5H-8331	633
	636
	667
	670
5J-5314	929
	947
5J-5793	175
	177
	249
	250
	257
	259
5J-5794	25
	26
	203
	204
	257
5J-7303	924
	926

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
5J-9105	175
5K-0906	542
	581
	1048
5K-2298	1043
	1045
	1060
	1067
	1070
5K-5338	725
5K-9065	233
5L-1545	71
5L-2264	670
5L-2683	207
	225
	226
5L-2952	426
5L-3233	597
	598
	600
	602
5L-3485	71
5L-3487	71
5L-3492	71
5L-3493	71
5L-3495	71
5L-3496	71
5L-3553	71
5L-3556	71
5L-3557	71
5L-3558	71
5L-3559	71
5L-3560	71
5L-3561	71
5L-3602	71
5L-3603	71
5L-3613	71
5L-3617	71
5L-3708	844
	846
	847
5L-3773	634
5L-4035	916
	918
	920
	922
5L-4398	637
5L-5012	305
5L-7200	955
5L-7520	▶630
5L-7631	625
	626
	627
	672
5L-7634	625
5L-7635	626
5L-7661	▶625
5L-8484	632
	635
	671
5L-8605	671
5L-8632	▶671
5L-8854	616
	617
	618
	619
5L-8957	461
5L-9423	74
5L-9652	76
5L-9653	76
5L-9654	76
5M-1932	66
5M-2894	65
	66
	78
	79
	80
	81
	84
	87
	89
	150
	151
	152
	153
	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
	175
	177
	179
	183
	184
	188
	189
	190
	191
	192
	193
	195
	196
	197
	201
	239
	241
	242
	243
	245
	247
	248
	250
	251
	253
	259
	261
	263
	265
	268
	269
	273
	284
	285
	286
	287
	289
	290
	292
	293
	294
	296
	297
	299
	300
	301
	303
	305
	307
	308
	310
	312
	314
	315
	317
	319
	321
	323
	325
	327
	329
	401
	417
	419
	421
	422
	427
	429
	431
	432
	433
	440
	441
	442
	447
	449
	450
	451
	452
	453
	455
	459
	463
	464
	465
	466
	469
	476
	478
	481
	500
	508
	513
	521
	523
	525
	527
	620
	621
	623
5M-3034	929

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	947
5M-3062	439
	544
	547
	548
	549
	551
	553
	556
	560
	564
	568
	571
	583
	586
	589
	592
	658
	977
	978
	979
	981
	1047
	1060
	1067
	1070
5M-6213	542
	581
	625
	626
5M-6214	646
	649
	651
	654
	656
	658
5M-6668	1055
5N-1677	404
5N-1678	▶404
5N-1693	366
	368
	404
5N-1694	366
	368
	404
5N-1703	681
	683
	685
	687
	689
5N-1933	▶405
5N-1934	74
5N-2346	167
5N-2685	▶928
5N-2829	681
	683
	685
	687
	689
5N-2830	685
	687
	689
5N-3334	▶76
	367
5N-3335	▶367
5N-3852	681
	683
	685
	687
	689
5N-4739	633
	636
5N-4741	632
	635
5N-4742	632
5N-5129	681
	683
	685
	687
	689
5N-5131	681
	683
	685
	687
	689
5N-5646	463
5N-5662	681
	683
	685
	687
	689
5N-5664	681
	683
	685
	687
	689
5N-5692	▶809
	▶812
5N-6147	667
5N-6646	1030
	1031
5N-6753	898
5N-8132	74
5N-8757	▶898
5N-9231	233
5N-9317	76
5P-0537	57
	59
	60
	61
	62
	63
	715
	716
	785
	786
	793
	916
	918
	920
	922
	924
	926
5P-0597	668
5P-0598	544
	553
	556
	560
	564
	568
5P-0743	275
	276
5P-0747	835
	836
	837
5P-0761	838
5P-0765	877
5P-0840	118
	120
	122
	135
	137
	141
5P-1046	478
5P-1075	308
	439
	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
	658
	661
	677
	709
	710
	1060
	1067
	1070
5P-1076	598
5P-1230	275
5P-1251	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
5P-1253	439
5P-1262	553
	556
	568
	571
5P-1404	783
5P-2321	854
5P-2369	437
	438
	439
5P-2566	492
	495
	646
	651
	654
	656
	658
5P-2569	1027
	1028
5P-2675	1030
	1031
5P-2948	913
5P-3418	803
	806
	813
	815
	829
5P-3419	803
	806
	813
	815
	829
	831
5P-3426	1060
	1067
	1070
5P-3499	71
	366
	367
	368
5P-3860	598
	606
	608
	610
5P-4115	852
5P-4142	231
5P-4255	261
	263
	265
5P-4536	691
	696
5P-4571	1062
5P-4868	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
	668
5P-4906	275
	276
5P-4924	478
5P-5008	1060
	1067

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	1070		399		397		772
5P-5621	839		400		600		787
	976		402		602		789
5P-5622	965		403		606	5S-0581	540
5P-5623	913	5P-8244	458		607	5S-2106	66
	914	5P-8245	32		608		155
	915		34		609		157
5P-5624	965		42		632		159
5P-5677	854		44		633		161
5P-5678	57		46		636		163
	61		48		819		165
5P-5846	508		82		821		167
5P-5855	634		83		823		169
5P-5991	542		175		825		171
	581		177		860		173
5P-6006	1062		194		877	5S-7264	169
5P-6298	929		241		967		171
	947		249		970	5S-7348	1052
5P-6416	275		250		973	5S-7349	813
	276		251	5P-8248	638		815
5P-6442	544		253	5P-8249	1022		819
	553		257	5P-8289	248		821
	556		259	5P-8500	848		823
	560		270		850		825
	564		271		1054		831
	568		272		1062		938
	571		286		1075		940
	575		287	5P-9299	544		943
	578		289		553		945
	583		290		556	5S-7379	544
	586		292		560		547
	589		293		564		548
	592		294		568		549
5P-6920	809		296		571		551
	817		297		575		553
5P-7033	29		299		578		556
5P-7701	321		300		583		560
	323		301		586		564
	325		303		589		568
	362		305		592		571
	363		307	5P-9617	416		575
	364		308		1052		578
	416		310	5P-9890	466		583
	435		394	5R-1771	301		586
	436		395	5R-2994	287		589
5P-7807	803		396		289		592
	806		400	5S-0003	725		677
	813		405		727		709
	815		426		730		710
	817		513		732		1047
5P-7814	255		523		734		1060
	491		525		737		1067
5P-7815	436		527		740		1070
5P-7979	155		637		743	5S-7382	658
	157		985		745	5S-7383	509
	159		986		747		510
	161		1026		749		654
	163	5P-8247	28		751		667
	165		148		753	5S-9062	155
	167		175		756		157
	173		177		758		159
5P-8038	186		201		760		161
	242		202		762		163
	394		251		765		165
	398		253		769		167

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	169
	171
	173
5V-9221	297
6	
6A-5591	257
6B-3223	76
6B-4661	476
6B-5072	544
	553
	583
6B-6684	286
	293
	297
	299
	300
	303
	305
	307
	308
6B-6863	1043
	1045
6B-8128	924
6B-8129	926
6B-9081	877
6D-1004	40
6D-2928	681
	683
	685
	687
	689
6D-3479	924
	1052
6D-3787	916
	918
	920
	922
6D-5801	794
6D-7889	50
	55
6E-4240	802
6E-4350	1004
	1014
6E-4401	1007
6E-4402	▶802
	1007
6E-4403	802
6E-4404	802
6E-6528	1021
6F-0253	71
	74
	76
	1062
	1075
6F-6580	74
6F-6581	74
6F-6582	74
6F-7012	668
6F-7024	143
	221
	222
	223
6F-7062	521
	527
6H-1717	366
	368
6H-6699	1052
6H-7062	297
	308
6I-0213	778
	779
	780
	781
	782
6I-0263	497
6I-0901	378
	380
	383
6I-0928	133
	134
	139
6I-1055	118
	120
	122
6I-1418	844
	846
	847
6I-1458	277
	278
	279
	280
	281
	282
	283
6I-1815	1030
	1031
6I-2172	233
6I-2509	601
6I-2510	601
6I-3623	231
6I-3624	231
6I-3625	231
6I-3638	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	▶179
6I-3944	▶420
6I-3950	▶394
6I-3957	308
6I-3968	401
6I-4025	135
	137
	141
6I-4348	961
6I-4421	118
	120
	122
6I-4467	601
6I-4575	31
6I-4582	231
6J-2244	916
	918
	920
	922
6J-2515	175
	177
6K-0806	963
6K-1972	463
	924
	926
6L-1883	236
6L-1987	▶408
6L-2282	509
6L-2609	426
6L-2927	▶626
6L-3483	898
6L-3961	71
	76
6L-3962	74
6L-3963	74
6L-3964	71
	76
6L-3967	76
6L-3969	71
6L-3970	71
6L-3971	74
6L-3972	76
6L-3973	74
6L-4016	71
6L-4502	▶1089
6L-4854	544
	560
	564
	575
	578
	583
	586
	589
	592
6L-5151	71
	76
6L-7283	173
	289
	292
	296
6L-8617	542
	581
6L-9781	924
	926
6M-5652	436
6N-0341	286
6N-0597	157
	165
6N-0598	161
	163
	171
6N-1015	421
6N-1016	▶421
6N-1283	215
	221
6N-1301	211
6N-1856	803
	806
6N-1870	803
	806
6N-1871	803
	806
6N-1872	803
	806
	809
	813
	815
6N-1873	803
	806
6N-1875	803
	806
6N-1876	803
	806
6N-1925	803
	806
6N-1931	469
6N-1944	803
	806
	813
	815
6N-1945	803
	806
	815
	829
6N-1946	803
	806
6N-1968	803
	806
6N-2687	493
6N-2985	421
6N-3171	1052
6N-3246	926
6N-3279	929
	947
6N-3310	233
6N-3575	627
6N-3826	929
	938
	940
	943
	945
	947
6N-3899	924
	926
6N-4087	471
6N-4088	470
6N-4414	715
	716
6N-6490	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
6N-6598	155
	157
	159

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	161		920	6V-4429	88		1052
6N-6650	409		922		90	6V-5219	1052
	413	6V-1197	68	6V-4589	122	6V-5221	36
6N-6651	165		69		707		38
	▶409		70		783		40
6N-6652	▶409	6V-1322	929		797		41
6N-6653	▶409		947		798		52
6N-7053	163	6V-1438	32	6V-4626	169		53
6N-7135	290		34		171		236
	292		46	6V-5048	32	6V-5266	465
	294		48		34	6V-5586	1007
	296	6V-1813	924		350	6V-5764	827
6N-7249	456		926		357	6V-5839	40
	457	6V-1820	284		435		55
6N-7378	144		285		436		65
	145	6V-1873	372		715		257
	372	6V-1903	275		882		310
6N-7380	369		276		884		762
	370	6V-2202	809		894		765
	371	6V-2483	1027		896	6V-6339	1021
6N-7381	▶370		1028		1043	6V-6609	32
6N-7654	145	6V-2605	286		1045		34
6N-9159	▶409		293		1052		42
6N-9667	29		299		1060		44
6R-7943	997		300		1067		46
6S-3002	1007		303		1070		48
6S-6843	877		305	6V-5049	255		82
6T-0363	929		307		353		83
	947	6V-2689	1062		354		154
6T-0371	929	6V-3251	353		416		274
	947		354		720		348
6T-0372	929	6V-3319	175		725		349
	947		177		727		350
6T-3631	848	6V-3507	1034		729		351
	850		1035		730		353
	956		1036		732		355
	1055		1037		734		356
	1090		1038		737		357
6T-3632	848		1039		740		426
	850		1052		743		507
	956		1082		745		661
	1055		1088		747		775
	1090	6V-3668	606		749		907
6T-3633	848		607		751		911
	850		608		753		1060
	956		609		758		1067
	1055	6V-3677	231		760	6V-6782	646
	1090	6V-3683	879		762		651
6T-3643	848		880		765		654
	850	6V-3830	30		783		656
	1055		321		787		658
	1063		323		789	6V-6783	646
	1075		327		882		651
6V-0128	57	6V-3908	427		884		654
	59		433		893		656
	60		435		1052		658
	61		436	6V-5050	275	6V-6811	598
	62	6V-3940	50		276		600
	63		55	6V-5063	529		602
6V-0852	723	6V-3964	844		661	6V-6923	799
6V-0885	928		846	6V-5065	352		800
	▶929		847	6V-5100	94	6V-7238	363
6V-0894	852	6V-3965	723	6V-5201	1018		364
6V-1179	916	6V-4248	40		1019	6V-7675	999
	918		257	6V-5217	236		1010

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
6V-7697	1063
6V-7700	1000
	1011
6V-7723	1016
6V-8185	681
	683
	685
	687
	689
	848
	850
6V-8186	953
	1058
	1065
6V-8187	803
	806
	809
	812
	813
	815
	829
	831
	833
	870
	871
	872
	873
	874
	875
	876
6V-8188	154
	597
	598
	646
	649
	651
	654
	656
	658
	828
	930
	938
	940
	943
	945
	948
6V-8189	817
	819
	821
	823
	825
	1048
	1090
6V-8212	762
	765
6V-8225	1052
6V-8352	802
6V-8362	681
	685
	689
	848
	850
	1055
	1063
	1075
6V-8364	955
6V-8367	848
	850
	1054
	1062
	1075
6V-8368	1084
6V-8374	848
	850
	1055
	1090
6V-8376	848
	850
	1055
	1063
	1075
6V-8377	809
	1081
6V-8378	938
	940
	943
	945
	953
	1029
	1058
	1065
6V-8382	848
	850
	1054
	1062
	1075
6V-8397	1007
6V-8398	1007
6V-8801	509
	510
	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
	329
6V-8817	848
	850
	1054
6V-8837	999
	1010
6V-8969	177
6V-8978	1004
	1014
6V-9493	1055
	1075
6V-9632	1058
	1065
	1073
6V-9671	1055
	1063
	1076
6V-9672	1065
	1073
6W-5458	239
7B-1115	366
	368
7B-2742	715
	716
	785
	786
	793
	916
	918
	920
	922
7B-3235	365
	367
	513
	523
	525
	527
	600
	602
	985
	986
	1026
7B-7501	442
7B-9008	924
7C-1072	▶1081
7C-1445	91
7C-2644	857
7C-4024	451
7C-4354	877
7C-5787	308
7C-6514	94
	104
7C-8021	447
	450
	455
7D-0894	850
7D-1649	521
	600
	602
	606
	607
	608
	609
7D-5318	436
7D-7233	544
	553
	556
	560
	564
7E-2660	491
7E-3478	29
7E-4341	321
	329
7E-4342	321
	329
7E-4508	459
7E-4661	327
7E-4761	149
7E-6247	▶865
	▶866
7E-6508	57
	59
	60
	61
	62
	63
7E-6879	290
	292
	294
	296
7E-7646	▶409
7E-8070	1089
7E-8630	▶639
	645
	646
	649
	651
	654
	656
	658
7E-8866	913
7E-9515	▶410
7F-3488	929
	947
7F-3491	929
7F-3525	929
	947
7F-7621	803
	817
7F-8897	76
7F-9090	427
	429
	433
7H-9678	714
7J-0204	606
	607
	608
	609
	610
	611
7J-6285	83
7J-9108	465
7K-1181	904
	977
	978
	979

7

▶ PRIMARY REFERENCE

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	981	7N-3949	300	7N-9021	809		943
7K-6058	251		303		813		945
	253	7N-4045	729		815		947
7L-2894	929		730	7N-9023	809	7T-6799	848
	938		732		813		850
	940	7N-4600	544		815		1055
	943		553		817		1063
	945		556	7N-9024	809		1075
	947		560	7N-9738	897	7T-8332	544
7L-4535	▶1048		564	7N-9801	913		553
7L-4536	1048		568		959		556
7L-5810	405		571		960		560
7L-6551	71		575	7P-7913	681		564
7L-7856	366		578		683		568
	368		583		685		571
7L-7871	▶835		586		687		575
7L-7872	▶836		589		689		578
7L-8074	877		592	7R-3394	999		583
7L-8705	957	7N-5274	838		1010		586
7M-0324	929		839	7R-3453	999		589
	947		976		1010		592
7M-0325	930	7N-5436	169	7R-3825	999	7T-9123	930
	948		171		1010		948
7M-0326	929	7N-5876	848	7S-1198	854	7V-1037	926
	947		1054	7S-4411	▶612	7V-4240	478
7M-0327	929		1062	7S-5003	▶613	7W-0825	▶838
	947	7N-6114	29		667	7W-1248	206
	955	7N-6249	28	7S-5005	113		218
7M-7410	916	7N-6351	1	7S-7680	668		220
	918		▶627	7S-9323	714	7W-1250	216
	920	7N-6821	66	7T-3267	938	7W-2297	692
	922	7N-7221	1062		941		693
7M-8485	1000	7N-7559	466		943		696
	1011	7N-7779	897		945		697
7M-8651	930	7N-7780	897	7T-3268	938		698
	948	7N-7795	809		941	7W-2354	1078
7M-9544	924	7N-7796	809		943	7W-2355	1079
	926	7N-7798	809		945	7W-2731	1052
7M-9918	704	7N-7800	809	7T-3271	938	7W-3355	▶899
7N-0060	835	7N-7801	809		940	7W-3580	297
	836	7N-7802	809	7T-3275	938		308
7N-0140	913	7N-7805	809	7T-3276	940	7W-3602	440
	914	7N-7806	809		943	7W-3603	▶440
	915	7N-7807	809		945	7W-4176	293
7N-0296	913	7N-7808	809	7T-3277	940	7W-5520	286
	914	7N-7809	809		943		293
	915	7N-7810	809		945		294
7N-0452	193	7N-7811	809	7T-3278	940		296
7N-1210	406	7N-7878	661		943		299
7N-1628	714	7N-8374	175		945		300
7N-2043	330		177	7T-3279	938		303
7N-2059	913	7N-8827	155		940		305
	914		157		943		307
	915		159		945	7W-5733	66
7N-2156	469		161	7T-3451	938	7W-7536	724
7N-2900	155		163		940	7W-7776	452
	157		165		943	7W-8633	458
	159		167		945	7W-8857	730
	161		169	7T-3454	938		732
	163		171		940		743
	165		173		943		745
	167	7N-8828	159		945		747
	173		167	7T-3973	945		769
7N-3060	▶206		169	7T-3974	929	7X-0291	575
7N-3448	464	7N-8875	466		940		578

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
7X-0293	544
	553
	556
	560
	564
	568
	571
	583
	586
	589
	592
7X-0301	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
7X-0312	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
7X-0313	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
7X-0326	297
7X-0339	289
	292
	296
	828
7X-0342	979
7X-0347	598
7X-0384	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
7X-0447	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
7X-0448	667
7X-0562	930
	938
	940
	943
	945
7X-0575	661
7X-0618	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
7X-0772	598
7X-1448	481
	483
	485
	487
	489
7X-2533	1041
7X-3353	809
	815
7X-3373	929
	938
	940
	943
	945
	947
7X-5448	999
	1010
7X-6222	1041
7X-6315	1041
7X-7730	249
7X-7731	155
	157
	159
	161
	249
	250
	251
	253
	470
	471
	476
	511
	513
	529
	532
	533
7X-7732	534
7X-9232	999
	1010
7Y-5219	1007

8

Part	Page
8B-4884	1043
	1045
	1052
	1060
	1067
	1070
8B-7121	71
	74
	76
8B-7179	852
8B-7987	76
8C-0624	422
8C-3089	641
	642
	643
	644
	646
	648
	649
	651
	654
	656
	658
	929
	947
8C-3334	843
	857
8C-3445	416
	435
	436
8C-3446	416
	435
	436
8C-3655	941
	943
	945
8C-4436	598
8C-5063	154
8C-5064	740
	747
	751
	756
	760
	765
	769
	772
	789
8C-5230	427
	429
	431
	432
	433
8C-5917	835
	836
	837
8C-6354	843
	961
	1054
	1062
	1075
8C-6808	955
8C-6913	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
8C-9660	929
	947
8D-0648	175
	177
8D-0983	►1023
8D-3786	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
8D-8428	435
	436
8F-0244	1043
	1045
	1052
	1060
	1067
	1070
8F-1434	809
	829
	831
	833
	930
	938
	940
	943
	945
	948
	953
	955

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	1029		154	8M-8489	469		936
	1049		175	8M-9307	513	8S-3893	▶673
	1052		177		521	8S-4304	513
	1058		255		523		521
	1065		275		525		523
	1085		276		527		525
	1086		348	8M-9315	255		527
8F-3030	250		349	8N-0869	838	8S-4753	144
8F-3437	955		350		839		145
8F-7219	717		351		963	8S-5383	286
	719		355		976		287
8F-8398	429		358		977		289
8F-8544	762		363		978		290
	765		364		979		292
	916		426		981		293
	918		463	8N-1540	976		294
	920		707	8N-1541	839		296
	922		722		976		299
8F-8804	233		729	8N-1542	965		300
8H-1141	938		906	8N-1543	965		301
	940		910	8N-1667	444		303
	943		1043		446		305
	945		1045		447		307
8H-2778	714		1060	8N-1725	838	8S-6511	469
8H-3127	57		1067		839	8S-6559	667
	59		1070		976	8S-6822	673
	60	8L-4497	509	8N-2104	456	8S-6823	598
	61	8L-4498	509		457		673
	62	8L-4502	509		459		674
	63	8L-4521	509	8N-2694	597	8S-6824	596
8H-7202	714	8L-5213	308		598		601
8H-7204	▶714	8L-8413	203		600		673
8H-8769	1090		835		602		674
8H-9789	66		836	8N-3536	913		675
	155		837		914		676
	157		839		915	8S-9089	521
	159		854	8N-4617	604	8S-9092	632
	161		976	8N-5305	155		633
	163		1089		157	8S-9094	118
	165	8L-9767	509		159		120
	167	8L-9801	1075		161	8S-9191	184
	169	8L-9859	▶631		163		197
	171	8M-0505	32		165		758
	173		34		167		760
8J-4351	879		46		169		762
	880		48		171		765
8J-4785	954		506		173		778
8J-7844	463		661	8N-5872	429		779
	507		775	8N-6114	▶372		780
	556	8M-0506	720	8N-6677	287		781
	575		729		290		782
	589	8M-0547	661		294	8T-0122	649
8K-0802	274		708	8R-8088	439	8T-0267	36
8L-2655	66		709	8S-0948	708		38
8L-2777	378		710		709		40
	380		729		710		41
	381	8M-2530	148	8S-1460	667		52
	382	8M-2773	476	8S-2331	924		53
	383		753		926	8T-0269	984
	385		756	8S-2332	924		1000
	386	8M-4986	458		926		1011
8L-2779	707	8M-6701	803		928	8T-0328	803
8L-2786	82		806		932		806
	83	8M-6755	28		933		809
	149		216		934		813

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	815
	829
	831
	833
	930
	938
	940
	943
	945
	948
8T-0338	999
	1010
8T-0389	649
8T-0640	1052
8T-0643	257
8T-0644	65
	310
8T-1117	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
8T-1159	1027
	1028
8T-1296	239
8T-2501	327
	439
	598
8T-2502	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
	598
	678
	1047
8T-3283	1020
8T-4121	374
	649
	1052
8T-4122	598
	635
	979
8T-4137	1052
8T-4172	374
8T-4184	605
8T-4199	1058
8T-4205	681
	683
	685
	687
	689
	803
	806
	809
	812
	813
	815
	817
	819
	821
	823
	825
	829
	831
	833
	848
	850
	870
	871
	872
	873
	874
	875
	876
	929
	938
	940
	943
	945
	947
8T-4223	154
	492
	494
	495
	498
	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
	597
	605
	646
	649
	651
	654
	656
	658
	828
	967
	970
	973
8T-4224	50
	542
	581
8T-4896	327
	439
	510
	544
	547
	548
	549
	551
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
8T-6726	877
8T-6757	125
	817
	819
	821
	823
	825
	1048
	1058
	327
	439
	510
	544
	547
	548
	549
	551
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
	646
	649
	651
	654
	656
	658
	677
	678
	840
	842
	977
	978
	979
	981
	1041
	1047
	1060
	1067
	1070
8T-4970	1058
	1065
	1073
8T-4971	1041
8T-5360	544
	553
	556
	560
	564
	568
	571
	575
	578
	583
	586
	589
	592
8T-6761	311
	312
	314
	315
	317
	319
	511
	513
	529
	877
8T-6762	81
	511
	513
	529
8T-6763	916
	918
	920
	922
8T-6765	248
	249
	250
	251
	253
	610
	621
	623
	624
	646
	649
	651
	656
	658
	681
	683
	685
	687
	689
8T-6767	476
	478
	481
	483
	485
	487
	489
	511
	513
	529
8T-7062	17
	18
	20
	21
	22
	23
	24
	25
	26
8T-7525	997
8T-7852	1041
8T-7971	242
	646
	651

► PRIMARY REFERENCE

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	656		597		556		977
	658	8T-8919	494		560		978
8T-8442	997		498		564		979
	1021		649		568		981
8T-8566	938	8T-8920	828		571	9H-1031	114
	940	8T-9393	667		575		115
	943		671		578		124
	945	8T-9527	179		583	9H-3757	929
8T-8568	938	8T-9534	1020		586		947
8T-8569	938	8T-9655	783		589	9H-8260	286
	940		844		592		293
	943		846		646		297
	945		847		649		299
8T-8570	938		1090		651		300
8T-8729	1062	8T-9757	835		656		308
	1075		836		658	9H-8872	985
8T-8730	889		837		661	9L-2137	809
8T-8731	889	8T-9762	813	9B-9774	916	9L-2139	809
8T-8732	841	8T-9834	841		918	9L-2140	809
	843		965		920	9L-4238	155
8T-8736	843		982		922		157
	961	8T-9884	938	9E-4660	▶207		159
8T-8737	327		941	9E-5816	▶286		161
	725		943	9E-6169	▶287		163
	727		945		▶289		165
	730	8T-9885	938	9F-2187	405		167
	734			9F-2188	405		169
	737			9F-2247	71		171
	740	**9**		9F-3691	1030	9L-4652	924
	743				1031		926
	745	9B-0453	74	9F-4337	928	9L-5134	293
	747	9B-0887	625		933		301
	749		626		934	9L-5717	427
	751	9B-1117	1052	9F-4446	155		429
	753	9B-7233	681		157		433
	756		685		159	9L-5854	116
	758		689		161		117
	760		803		163		124
	762		806		165	9L-6110	308
	765		809		167	9L-6329	297
	769		813		169	9L-6371	297
	772		815		171	9L-6639	307
	787		817		173	9L-6641	301
	789		848	9F-5599	929		414
	841		850		947		415
	843		1034	9F-8125	848	9L-6770	809
	898		1035		850		812
	967		1036		1030		813
	970		1037	9F-8759	297		815
	1062		1038	9G-0003	835		817
8T-8915	709		1039		836		819
	710		1054		837		821
8T-8917	544		1055	9G-0004	835		823
	553		1063		836		825
	556		1075		837		829
	560		1081	9G-0011	1090		831
	564		1082	9G-3186	898		833
	568		1083	9G-4101	929	9L-6776	813
	571		1084		947		815
	575		1087		948	9L-7657	418
	578		1088	9G-5578	809	9L-8439	422
	583	9B-7237	509	9G-8909	838		423
	586		510		839	9L-8925	57
	589		544		963		59
	592		553		976		60

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	61		846		323		297
	62		847	9N-3367	486		300
	63		882	9N-3388	803		303
9L-9115	249		884		806		307
9L-9132	200		1052		813		308
	242	9M-2342	714	9N-3645	474	9S-2009	803
	243	9M-2904	439		475		806
	245	9M-3786	541		476		813
	247	9M-4136	478		478		815
	600	9M-4584	464		487	9S-2013	813
	602	9M-5732	421		489		815
9L-9653	251	9M-6527	466	9N-3666	476	9S-2302	803
	253		540		478		806
9M-0164	437		661		481		813
	438	9M-7540	464		483		815
	439		466		485		829
9M-0402	236		661		487	9S-2390	803
9M-1974	36	9M-7609	929		489		806
	38		947		▶595		813
	40	9M-9224	961	9N-3668	476		815
	41	9N-0311	66		478		829
	52	9N-0316	66	9N-3717	476		831
	53	9N-0477	427		504		833
	91		433	9N-3718	504	9S-2396	803
	154	9N-0869	783		505		806
	236		844	9N-3889	1	9S-2437	794
	327		846		▶84		809
	420		847	9N-5120	155	9S-2544	803
	423		1090		157		806
	424	9N-0937	803		159		809
	425		806		161		813
	446	9N-0939	803		163		815
	447		806		165		929
	476	9N-0942	803		167		947
	481		806		169	9S-4167	707
	483		813		171		715
	485		815		173		718
	487	9N-0943	803	9N-5124	456	9S-4181	325
	489		806		457	9S-4182	255
	715		813	9N-5444	508		257
	716		815	9N-5613	734		311
	725	9N-1008	680		737		715
	727	9N-1012	66		740	9S-4183	360
	730	9N-1367	672		743		529
	732	9N-1368	▶672		745	9S-4185	50
	734	9N-1940	615		747		55
	737	9N-2038	691		749		175
	740		692		751		177
	743		693		753		255
	745		696		756		257
	747		697		758		515
	749		698		760		517
	751		702		762		519
	753		704		765		774
	756	9N-2570	207		769	9S-4190	515
	758		212		772		517
	760		222		787		519
	762	9N-2648	208		789	9S-4191	46
	765	9N-3162	308	9N-6123	476		48
	769	9N-3163	308		504		50
	772	9N-3164	297		505		55
	785		308	9S-1354	71		255
	786	9N-3167	314		74		416
	793		315		76		720
	844		321	9S-1366	286		729

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
	999
	1010
9S-5282	681
	683
	685
	687
	689
9S-5828	924
	926
9S-7148	▶614
9S-8002	82
	83
	348
	349
	350
	351
	357
	426
	642
	643
	648
	794
	997
	1000
	1004
	1007
	1011
	1014
	1021
9S-8003	257
9S-8004	135
	137
	141
	353
	354
	515
	517
	519
	521
	523
	525
	527
	717
	719
	999
	1004
	1010
	1014
9S-8005	36
	82
	83
	154
	255
	257
	348
	349
	350
	351
	353
	355
	356
	357
	358
	426
	515
	517
	519
	521
	523
	525
	527
	1004
	1014
9S-8006	122
	349
	351
	353
	354
	783
	1090
9S-8008	274
	361
	478
	481
	483
	487
	489
	515
	517
	519
	523
	525
	527
	535
	536
	537
	538
	539
	999
	1004
	1010
	1014
9S-8009	515
	517
	519
	523
	525
	527
9S-8010	352
9S-8750	614
	924
	926
9S-8752	179
	183
	184
	197
	231
	233
	241
	261
	263
	265
	286
	289
	292
	293
	296
	299
	300
	301
	303
	305
	307
	308
	427
	429
	433
	440
	441
	443
	444
	449
	452
	453
	455
	464
	466
	661
	668
	713
	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760
	762
	765
	769
	772
	787
	789
	882
	884
	961
	890
	897
	900
	891
	892
	895
	901
	951
	952
	31
	1065
	1073
	50
	55
	645
	646
	649
	651
	654
	656
9S-9334	321
	323
	362
	363
	364
	416
9T-3928	1004
	1014
9W-0844	841
	843
	965
9W-0852	843
	976
9W-1077	954
	▶955
9W-1494	848
	850
9W-1951	1062
9X-0145	1062
	1075
9X-0261	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760
	762
	765
	769
	772
	787
	789
9X-0262	882
	884
9X-1343	961
9X-1386	890
	897
	900
9X-1813	891
	892
	895
	901
	951
	952
9X-2038	31
9X-2044	1065
	1073
9X-2097	50
	55
9X-2201	645
	646
	649
	651
	654
	656
	658
9X-2500	803
	806
	813
	815
9X-2857	1017
9X-3132	841
	965
	982
9X-3265	1041
9X-3401	57
	327
	841
	843
	888
	890
9X-3402	841

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	898		308	004-7270	544		48
9X-4824	943		368	005-3969	276		154
9X-6165	1041		513	005-4273	544		1043
9X-6258	961		523		553		1045
9X-6451	311		525		556		1052
	312		527		560	030-7947	175
	314	9X-8875	155		564		177
	315		157		568		725
	317		159		571		727
	319		161		583		730
	325		163		586		732
	362		165		589		734
	363		167		592		737
	364		169	005-4362	734		740
9X-6458	231		171		737		743
	301		173		740		745
	312	9X-8876	396		743		747
	314		406		745		749
	315	9X-8880	393		747		751
	317	9X-8881	600		749		753
	319		606		751		756
	325		607		753		758
	429		877		756		760
	441	9X-8882	74		758		762
	443	9X-8887	638		760		765
	444	9X-8979	997		762		769
	455	9X-9591	▶855		765		772
	456	9X-9672	854		769		787
	457	9X-9720	835		772		789
	459	9X-9730	836		787	030-7949	466
	461	9X-9857	855		789	030-7951	435
	468	9Y-1603	287	006-5490	476	030-7962	1043
	521		290		478		1045
	606		294	008-6325	436	030-8188	734
	607		297	009-1436	916		737
	608		308		918		740
	609	9Y-1792	469		920		743
	756	9Y-2049	452		922		745
	1025		453	012-0380	951		747
	1043	9Y-3205	▶474		952		749
	1045		481	013-8307	29		751
9X-7317	778		483	030-0060	233		753
	779		485	030-0061	233		756
	780		487	030-0709	476		758
	781		489		481		760
	782	9Y-5438	▶30		483		762
9X-7378	311	9Y-6089	29		485		765
9X-7430	125		85		487		769
	128		86		489		772
	131		88	030-1193	870		787
9X-7737	801		90		871		789
9X-7803	▶813		251		872	030-8189	661
9X-8256	1041		253		873	030-8194	175
	1058				874		177
	1065				875	030-9612	809
	1073	**0**			876		813
9X-8267	275			030-1707	932		815
	276	003-7764	476	030-7935	435		817
	1052		478	030-7943	42	031-0215	852
9X-8268	88		481		44	031-2716	1052
	90		483	030-7946	32	031-3185	231
9X-8486	1063		485		34	031-4155	92
	1076		487		42		542
9X-8872	230		489		44		581
9X-8873	74	004-1964	984		46	031-5637	1090

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
031-8759	436	036-9823	929		40		681
032-8487	877		938		41		683
032-9313	378		940		52		685
033-5853	82		945		53		687
	83	039-7601	852				689
	348	045-4065	827				1091
	349		930	1		101-3998	926
	351		948			101-6596	154
	426	052-0512	916	100-5072	778	101-6603	842
	642		918		779	101-6605	274
	643		920		780	101-7354	663
	648		922		781	101-8468	231
033-5879	181	053-2313	544		782	102-5828	435
	182	061-7540	417	100-5218	57	102-5829	435
033-6028	734	061-8639	378		59	102-5861	231
	737		380		60	102-8608	663
	740		381		61		664
	743		382		62		665
	745		383		63	102-8801	57
	747		384	100-5219	57		864
	749		388		59	102-8802	327
	751	061-9258	924		60		725
	753		926		61		730
	756		1043		62		734
	758		1045		63		737
	760		1060	100-5421	390		743
	762		1067	100-6531	803		745
	765		1070		806		749
	769	061-9455	91		813		753
	772		420		815		758
	787		423		829		762
	789		424		831		783
033-6033	799		425		833		787
	800	061-9458	149	100-6532	803		862
033-6039	1020		311		806		888
033-6042	721		362		813		900
	723		363		815		901
	725		364	100-6648	924		905
	727	067-2551	787	100-7399	118		913
	730		789		120		951
	732	068-4497	420		122		952
	734		425	101-2465	1027		953
	737	077-8353	999		1028		959
	740		1010	101-2840	476		960
	743	081-3801	1004		478		967
	745		1014		481		970
	747	087-4772	1007		483		973
	749	090-0744	275		485		976
	751		276		487		1058
	753	091-0081	598		489		1065
	756		600	101-2850	601	102-8803	725
	758		602	101-3120	725		727
	760		678		727		730
	762		872		749		732
	765		873		751		734
	769	092-2467	1043		772		737
	772		1045	101-3125	620		740
	774	095-0939	984		621		743
	775	096-5962	1055		623		745
	787		1062		624		747
	789		1075		646		749
033-6043	1021	098-3039	999		649		751
034-9362	66		1010		651		753
036-9821	929	099-2374	36		656		756
	947		38		658		758

► **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	760		806	108-4758	251		624
	762	105-3763	813		253		646
	765		815	108-5803	908		649
	769	105-3764	813	108-7930	540		651
	787		815	108-8537	999		656
	789	105-5080	▶916		1010		658
	862		▶918	108-8538	1000	109-5165	1000
	881		924		1011		1011
	886	105-5081	▶920	108-9382	1	109-5839	321
	887		▶922		▶194		323
	890		926	109-0072	312		327
	895	105-5136	916		314	109-5840	323
	956		918		315	109-6507	848
	967		920		317		850
	970		922		319		1054
	973	105-5137	916		325		1062
	1054		918		456		1075
	1062		920		457	109-6547	312
	1075		922		459		315
102-8805	848	105-5138	916		461		319
	850		918	109-0076	321		325
	864		920		323	109-8932	866
102-8806	725		922	109-0077	429	109-9985	269
	727	106-1792	663		511		273
	730		664		513	110-2220	116
	732		665		515		117
	734	106-3544	465		517		124
	737	106-3969	604		519	110-4344	270
	740	106-3973	604		521	110-5035	938
	743	106-5673	135		523	110-5369	▶932
	745		137		525	110-5957	787
	747		141		527		789
	749	106-7687	813		529	110-6516	1052
	751		815		541	110-7884	848
	753	106-7689	813	109-0078	312		850
	756		815		314		1055
	758	106-7690	813		315	110-8213	857
	760		815		317	110-8226	268
	762	107-0583	231		319	110-8760	979
	765	107-3825	▶208		325		981
	769	107-3847	▶209		456	110-8875	▶395
	772	107-3848	▶210		457	110-8876	▶422
	787	107-5769	776		459	111-1325	848
	789		777		461		850
102-9089	68	107-6280	175	109-1145	476		1054
	69		177		478		1062
	70		390		481		1075
103-0126	230	107-6736	1		483	111-2086	▶268
103-4699	422		▶78		485	111-2088	1
103-8134	57	107-6737	1		487		▶269
	60		▶79		489	111-2089	▶270
	61	108-2312	1	109-1657	1	111-7303	▶508
	62		▶723		10	111-8317	▶147
	63	108-2515	1065		11	112-9069	1060
104-5687	1052		1073		▶203		1067
	▶1084	108-2858	681	109-2322	▶532		1070
104-6202	967		683	109-2373	1	112-9119	809
	970		685		▶502	112-9217	231
	973		687	109-2374	▶499	113-3155	598
	979		689	109-3285	▶314		674
104-8085	997	108-3561	71	109-3289	▶315	113-5253	106
105-1797	181	108-3612	663	109-3290	▶198	113-7059	▶211
	182		664	109-4202	▶621	113-7060	▶212
105-3386	▶312		665	109-4203	621	114-0268	852
105-3762	803	108-4744	250		623	114-1922	▶427

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
114-1926	2
	▶458
114-1927	▶213
114-2401	▶815
114-2687	464
	465
114-4427	464
114-5988	1089
114-8843	758
	762
	765
	769
	772
	789
115-2353	314
115-2355	312
	319
	325
115-2359	317
115-2365	312
	315
	317
	319
	325
115-2369	314
115-2421	837
115-5852	1089
115-7087	691
	692
	693
	696
	697
	698
	704
116-5399	▶640
117-7296	1027
	1028
117-8801	231
117-9690	815
118-2019	312
	317
	319
	325
118-3359	▶396
118-3419	▶290
	▶292
118-4728	42
	44
	46
	48
	722
	729
118-4914	▶66
118-5068	440
	441
	442
	443
	444
	446
	447
	449
	450
	451
	452
	453
	454
	455
118-5450	315
118-7809	725
	727
	730
	732
	734
	737
	740
	743
	745
	747
	749
	751
	753
	756
	758
	760
	762
	765
	769
	787
	789
118-7870	397
119-0036	68
	69
	70
119-3662	57
	1041
	1062
119-4084	1085
	1086
119-7556	681
	683
	685
	687
	689
119-7557	2
	▶681
119-9457	681
	683
	685
	687
	689
120-4230	▶155
120-4231	▶157
120-4232	▶159
120-4233	▶161
120-4394	997
	1004
	1007
	1014
120-4879	155
	157
	159
	161
	163
	165
	167
	169
	171
	173
120-6955	293
120-9099	▶933
120-9100	▶934
120-9101	▶935
120-9128	▶248
120-9243	261
	263
	265
120-9847	1
	▶91
121-0145	312
	314
	315
	317
	319
	325
121-4134	▶817
121-4276	441
121-4281	453
121-4896	513
	523
	525
	527
121-6164	429
121-6165	429
121-8016	451
122-0447	125
	128
	131
122-1227	▶214
122-1472	57
	59
	60
	61
	62
	63
122-1517	▶429
122-3772	541
122-7375	125
	128
	131
122-8612	125
	128
	131
123-0542	999
	1010
	1020
123-0791	374
123-0794	▶504
123-1373	837
123-2017	1007
123-3202	57
	59
	60
	61
	62
123-7556	1007
123-7559	1007
123-7560	1007
123-7575	1004
	1014
123-7583	1004
	1014
123-7594	1027
	1028
123-7598	1027
	1028
123-7600	1027
	1028
124-0178	769
	772
124-0312	1033
124-0655	598
	600
124-0657	2
	▶679
124-0658	679
124-1854	135
	137
	141
124-1855	135
	137
	141
124-3176	1054
	1062
	1075
124-3414	961
124-3643	▶598
124-3689	602
124-5289	▶680
124-6257	275
	276
125-0157	209
	223
125-0434	511
	513
	515
	517
	519
	521
	523
	525
	527
	529
125-1302	681
	685
	689
	848
	▶951
125-1303	683
	687
	850
	▶952
125-6535	930
	948
125-6536	930
	948
125-6537	930
	948
125-7874	1041
	1062
125-7875	57
	1041
	1062
126-0073	641
	646
	649
	651
	654
	656
	658
126-0076	▶641

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
126-0079	▶642
126-0081	1
	▶643
126-0112	▶505
126-0136	620
126-1403	1018
	1019
126-1477	1007
	1027
	1028
126-1638	1004
	1014
126-1661	1004
	1014
126-1756	231
126-1757	261
	263
	265
126-1767	57
	327
	843
	888
126-2441	598
	600
126-2442	602
126-2702	464
	465
126-4935	80
	81
	511
	515
	517
	519
	521
	527
	529
126-6637	999
	1010
126-6638	999
	1010
126-6640	999
	1010
126-8268	217
	225
126-9092	1014
127-0563	271
	272
127-0564	1
	▶271
127-0929	641
	642
	643
	644
	646
	648
	649
	651
	654
	656
	658
127-5485	963
	965
	1041
	1054
127-5486	848
	965
	1041
	1054
127-5728	1
	▶85
127-6260	865
127-6356	469
127-7443	913
	914
	915
127-8853	▶856
128-0317	540
128-2002	249
128-2548	▶1091
129-2181	426
129-3172	427
	431
	432
	433
	499
129-5162	▶308
129-5427	261
	263
	265
129-5428	261
	263
	265
129-5429	708
	709
	710
	▶711
129-6400	644
129-7163	839
	976
129-7164	976
129-9452	663
	664
129-9907	540
130-3281	675
130-3282	676
130-3571	▶397
130-4680	▶249
130-4698	231
130-4701	231
130-5300	1058
130-5885	1043
	1045
130-5886	1043
	1045
130-6537	▶667
130-7806	1018
	1019
130-8875	513
130-9811	906
	907
131-0118	▶423
131-5526	▶857
	961
131-7123	231
132-1224	817
132-1230	817
132-4484	762
	765
132-5559	854
132-5789	967
	970
	973
	977
	978
	1058
132-6697	1000
	1011
132-9770	882
	884
133-0125	511
	513
	529
133-0261	901
133-0967	843
133-0969	841
	843
133-0970	1054
133-1859	27
133-1860	▶27
133-3089	1
	▶86
133-5554	217
	225
133-6353	▶424
133-7023	374
133-8720	1085
133-8721	1086
133-8940	465
133-9020	494
133-9116	776
	777
133-9405	1062
	1075
133-9906	31
133-9907	▶31
	179
134-0390	870
	871
	874
	875
	876
134-0597	▶852
134-0603	▶870
134-0604	▶871
134-0670	▶853
134-1827	999
	1010
134-2540	961
134-5577	963
134-8201	▶963
135-4326	2
	▶398
	▶399
135-4928	540
135-4941	▶293
135-5077	▶294
	▶296
135-6261	597
	600
	602
	607
	609
135-6395	872
	873
135-6396	▶872
135-6397	▶873
135-6552	▶663
135-6940	▶183
135-7634	1
	▶250
135-8015	2
	▶359
136-1107	540
136-2613	▶215
136-2614	▶216
136-2640	▶924
136-2641	▶926
136-3742	540
136-4183	235
136-4303	327
136-5017	707
136-7227	349
	351
	1090
136-7829	681
	683
	685
	687
	689
137-2113	848
	850
137-2133	848
	850
137-4936	817
137-5110	725
	727
	749
	751
	753
	756
	772
	787
	789
137-5135	848
	850
137-5541	785
	786
137-6283	786
137-6645	902
	906
	907
	910
	911
137-7018	1043
	▶1049
	1060
137-7019	1031
137-7020	1045
	▶1051
	1067
	1070
137-7021	▶1078
137-7022	▶1079
137-7023	▶1080
137-7427	▶1031
	1051
138-2544	▶912
138-3141	▶1085
138-3142	▶1086

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
138-6744	540
139-6873	707
	▶801
140-2175	▶854
140-9746	1
	▶80
141-0809	▶600
141-1060	708
	709
	710
141-2883	708
141-2884	708
141-8275	783
141-8953	1
	▶712
141-8954	▶713
141-9228	848
	850
	1054
142-2245	848
	850
142-2329	118
	120
	122
142-5867	392
142-5868	391
142-6217	116
	117
	124
142-7072	116
	117
	124
142-7366	248
142-9425	1017
142-9426	1017
142-9427	1018
	1019
142-9430	1018
	1019
142-9431	1018
	1019
142-9432	1018
	1019
142-9433	1018
	1019
142-9434	1017
142-9435	1017
142-9436	1018
	1019
142-9437	1017
142-9438	1017
142-9439	1018
	1019
142-9440	1018
	1019
143-0453	▶715
	787
	789
143-2933	707
143-9732	154
144-0119	460
144-1636	327
	900
144-8344	476
145-0905	1007
145-0909	1027
	1028
145-0911	1028
145-1335	▶217
145-1824	1018
	1019
145-3849	80
145-4211	606
	607
	608
	609
	610
	611
145-4212	606
	607
	608
	609
	610
	611
145-6892	999
	1010
145-7028	▶905
	908
145-7449	1027
	1028
145-9276	▶81
145-9277	81
146-0193	308
147-0323	511
	515
	517
	519
147-3754	▶233
147-6195	▶87
147-6284	▶218
147-6650	▶28
147-8365	1027
	1028
147-8366	1004
	1014
	▶1027
	▶1028
148-7482	3
	4
	5
	6
	▶277
	▶278
148-8395	257
	519
	521
148-8405	259
148-8408	360
148-8409	361
	478
	519
	527
	536
	537
	538
	539
148-8410	519
148-8411	257
	519
148-8808	▶29
149-5268	194
149-7376	95
149-7378	93
	94
	95
	97
	98
	105
	106
	107
	112
149-9106	231
149-9107	231
149-9110	231
150-2557	93
150-3135	▶93
	99
	100
	101
	102
	103
150-3136	94
150-3139	▶94
	102
	103
150-3141	▶95
	96
150-4279	2
	▶776
	▶777
150-4636	315
150-4637	314
150-4638	312
	317
	319
150-8867	936
151-0962	429
151-2768	241
151-2898	374
151-2900	374
151-4465	▶241
151-5365	▶186
151-5366	▶184
151-5925	330
	332
	334
	336
	338
	340
	342
	344
	346
151-5966	231
151-6320	841
152-7254	175
	177
152-7582	127
153-1256	540
153-5043	905
153-6680	417
153-7023	133
	134
153-7024	133
	134
	139
153-7290	▶936
153-9023	540
153-9910	877
154-2302	762
	765
	769
154-4325	▶431
154-4327	▶416
	417
154-6189	▶219
154-6880	1000
	1011
154-9024	529
155-0696	844
	846
	847
155-0698	844
	846
	847
155-2255	965
	967
	970
	973
	982
155-2260	783
	862
	891
	892
	965
	966
	967
	970
	973
	982
	1054
	1075
155-2263	898
	965
	1034
	1036
	1038
	1087
155-2265	967
	970
	973
155-2269	1054
155-2270	327
	725
	730
	734
	737
	743
	745
	749
	753
	758
	762
	783
	787
	848
	850
	862
	901
	913
	914

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	915	159-1599	▶534		455		443
	965	159-1789	239	161-1827	452	163-0820	597
	967	159-2721	239		453		598
	970	159-2957	239	161-3931	999		600
	973	159-6159	1		1010		▶601
	982		▶92	161-4113	3		602
	1075	159-8049	839		4		611
155-2274	861		976		5	163-0828	442
	864	159-8050	839		6		443
	898		976		7	163-1383	▶149
	963	159-8524	231		8	163-2478	133
	965	159-9107	1		9		134
	1034		▶840		10		139
	1036	159-9322	843		11	163-4565	92
	1038		961		12	163-7833	1052
	1054	159-9339	▶96		13	163-9385	511
	1055	159-9343	96		14		529
	1062		▶97		15	164-1404	544
	1075	159-9362	1		16		553
	1087		▶437		▶469		556
155-3504	465	159-9854	1018	161-5718	540		560
155-3624	257		1019	161-5719	▶540		564
155-5005	▶417	160-2563	251		541		568
	427		253	161-6154	984		571
	429	160-2612	▶251	161-6622	437		583
	431		▶253	161-6958	691		586
	432	160-4372	734		692		589
	433		737		693		592
155-5619	248		740		696	164-3326	▶443
	250		787		697	164-4187	332
	251		789		698		334
	253	160-5120	113		704		336
	257	160-5447	▶837	161-6960	692		338
155-6541	242	160-6332	521		693		340
155-6627	233	160-6491	521	161-6963	691		342
155-8536	▶628	160-7271	92		692		344
155-8538	628	160-7689	843		693		346
155-9524	261		961		696	164-4526	▶411
	263		1041		697	164-4543	▶412
	265		1055		698	164-5603	506
156-0036	242	160-8124	725		704	165-3925	259
156-0518	1062		730	161-7419	844	165-3929	187
	1075		734		846		249
156-2613	247		737		847		251
156-5319	247		743	161-9110	▶1052		253
156-5340	427		745	161-9932	2		259
156-5536	247		749		▶890	165-3930	175
156-5813	242		753	162-0177	519		177
156-6905	423		758		521		257
157-0214	175		762	162-2177	597	165-3931	249
	177		787		606		259
157-0670	529	160-8184	150		607	165-3932	175
157-8072	473		151		608		177
158-2528	▶493		152		609		248
158-2529	▶497		153		610		257
158-2770	▶371	160-8328	2	162-2918	▶441	165-3933	251
158-2830	239		▶317	162-7456	▶319		253
158-2833	239	160-8329	1	162-8682	511	165-3937	248
158-3416	231		▶199		513	165-4617	439
158-5086	239	160-8499	984		529	165-5030	604
158-6480	239	160-9739	877	162-8697	511	165-5970	783
159-0926	175	160-9878	877		513		▶956
	177	161-1052	▶644		529	165-6170	440
159-1533	231	161-1825	447	163-0107	▶442		441
159-1598	▶533		450	163-0237	442		442

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	443		521	170-4860	511		7
	444		523		513		8
	446		525		529		9
	447		527	171-2094	▶425		10
	449		529	171-2208	870		11
	450	167-6805	1004		872		12
	451		1014		874		13
	452	167-7715	802	171-2210	876		14
	453	167-8081	114	171-2212	871		15
	454		115		873		16
	455		124		875		▶541
165-6634	▶881	167-8083	114	171-4358	511	174-6468	▶243
166-0690	852		115		513	174-6470	▶245
166-2340	511		124		515	174-6472	245
	513	167-8126	143		517	174-6474	243
	515		144		519	174-6476	245
	517		146		521	174-6477	243
	519		147		523	174-6479	400
	521	167-8130	145		525	174-6482	245
	523	168-2100	146		527	174-6483	243
	525		147		529	174-6484	243
	527	168-2197	997	171-4364	476		245
	529	168-2198	997	171-5349	897	174-9570	▶717
166-2903	128	168-2203	997		900		794
166-2904	125	168-3378	1016	172-0208	▶867	174-9599	285
	128	168-3379	1016		924		840
	131	168-3381	1016		926		842
166-3501	511	168-3382	1016	172-3443	737	174-9994	997
	513	168-3384	1016		740	175-1366	92
	515	168-3385	1016	172-3446	725	175-1367	92
	517	168-3504	997		727	175-1483	261
	519	168-5248	325		749		263
	521	168-6990	775		751		265
	523	168-7317	997		772	175-3617	127
	525	168-7319	997	172-3450	32	175-3721	175
	527	168-8806	42		34		177
	529		44		42		257
166-4936	616		775		44	175-3860	▶321
	618	168-8974	725		46		▶323
	619		727		48	175-3868	321
166-5919	725		730	172-4211	762		323
	727		732		765	175-4855	▶247
	749		734	172-4702	32	175-4856	▶400
	751		737		34	176-1363	416
	753		740		42		▶418
	756		743		44	176-2543	935
	772		745		46		937
	787		747		48	176-5749	330
	789		749	172-7120	1	176-7008	▶200
166-6358	374		751		▶185	176-9299	864
166-6693	879		753	172-8827	175		1041
	880		756		177		1055
166-9144	261		758	173-1498	374		1062
	263		760	173-1957	1024		1075
	265		762	173-4002	▶242	177-0035	649
167-0642	127		765	174-0503	961	177-1655	▶937
167-0643	127		769	174-3016	1041	177-4152	57
167-3593	1054		772		1055		61
	1062		787		1062	177-4639	97
	1075		789	174-4895	675	177-9024	143
167-4407	511	169-3345	▶819		676		144
	513	170-1282	▶432	174-5986	3	177-9778	718
	515	170-3562	▶468		4	177-9953	▶821
	517	170-4737	127		5		828
	519	170-4738	127		6	179-3211	321

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	329		825		959		▶279
179-4787	236	185-2648	819		960		▶280
179-9496	▶195		821		1058		▶281
180-0056	478		823		1062	190-0065	819
180-0057	478		825		1065	190-1106	435
180-4367	1	185-2650	819	186-3736	913		436
	▶188		821		914	190-8970	794
180-6213	997		823		915	190-8977	▶794
180-7350	330		825		965		1090
	332	185-2651	819		1034	191-0580	774
	334		821		1036	191-0583	2
	336		823		1038		▶774
	338		825		1054	191-1782	783
	340	185-2652	819		1087		1090
	342	185-2653	819	186-4180	867	191-1783	1090
	344		821	187-0672	▶450	191-5054	2
	346		823	187-0673	1		▶785
180-9339	895		825		▶451		787
	901	185-2654	819	187-0674	▶452		789
180-9340	891		821		▶453	191-5055	▶707
	892		823	187-1325	98		716
	901		825	187-1326	▶98		785
183-3408	135	185-2655	819		99		786
	137		821		100		793
	141		823		102	191-8303	902
	353		825	187-1327	▶99	192-0542	▶406
	354	185-2658	819	187-1328	▶100	192-1623	▶879
183-3409	82		821		▶101	192-3219	▶775
	83		823	187-2034	809	192-4151	378
	348		825		812		380
	349	185-5294	▶823		813		381
	351	186-0712	544		815		382
	426		553		829		383
	642		556		831		384
	643		560		833		388
	648		564	187-2701	1	192-7470	997
183-4068	▶297		568		▶102	193-1357	668
183-4462	▶272		571		▶103	193-1358	▶668
183-8410	802		575	187-8001	1014	193-8570	940
184-5367	▶645		578	187-8924	511	194-0431	745
185-0295	997		583		513		747
185-0296	997		586	187-8925	▶511		762
185-1676	▶683		589	188-0210	323		765
185-2638	819		592		327		769
	821	186-2001	133	188-7568	984	194-3892	708
	823		134	188-7569	984	194-3967	2
	825		139	188-7790	984		▶880
185-2639	819	186-3651	286	188-7791	984	194-4613	965
	821		299	188-7800	984		982
	823		300	189-0852	901	194-4615	▶239
	825		303	189-3158	1055	194-4754	▶982
185-2640	819		305		1063	194-4783	239
185-2642	823		307		1075	194-5226	843
185-2643	821	186-3652	2	189-5746	▶900	194-5227	843
185-2644	819		▶299		904	194-5284	444
	821	186-3653	▶300	189-6123	235	194-5285	▶444
	823	186-3735	881	190-0009	3	194-5288	239
	825		886		4	194-6722	▶891
185-2645	819		887		5		893
	821		905		9	194-6725	▶892
	823		913		10		894
	825		951		11	194-7919	692
185-2647	819		952		12	194-8124	135
	821		953		13		137
	823		956		15		141

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
195-0131	▶965
195-0313	229
195-1141	1058
195-1344	848
	850
195-1345	▶848
	1045
	1067
195-1348	▶708
196-4233	▶984
	1004
	1014
196-4813	529
196-5069	378
	380
	381
	382
	383
	384
	388
196-5070	378
	380
	381
	382
	383
	384
	388
197-2849	997
	▶1016
197-2850	997
197-2851	1016
197-4567	374
197-4971	231
197-7348	1081
197-7572	▶862
197-8006	529
197-8391	725
	730
	734
	737
	743
	745
	749
	753
	758
	762
	787
	882
	▶906
197-8392	882
	▶907
197-8820	▶825
197-9183	1043
	1045
197-9322	116
	124
197-9361	330
	332
	336
197-9589	441
	455
198-0971	827
198-1407	862
198-6068	464
	465
198-9898	277
	▶378
199-4317	50
	55
199-5621	1043
	1045
	1060
	1067
	1070
199-7051	999
	1010
199-7891	819
	821
	823
	825
199-8436	819
	821
	823
	825
	2
200-2279	374
200-2310	1
	▶841
200-2852	1
	▶501
200-5231	1052
200-6345	979
	981
201-4340	122
	783
201-5382	1018
	1019
201-6617	▶901
	903
201-6631	1
	▶721
202-2342	802
202-2700	829
	831
	833
202-2703	813
202-2708	829
	831
	833
202-2783	831
	833
202-2784	829
	831
	833
202-2785	829
	831
	833
202-2786	829
	831
202-2787	829
	831
	833
202-9008	635
202-9897	829
	831
	833
203-2075	762
	765
203-7701	787
	789
203-7723	▶513
203-8493	999
	1010
203-8494	1000
	1011
203-8505	999
	1010
203-8822	378
203-8824	378
	380
	381
	382
	383
204-1455	1007
204-2518	▶886
204-7810	464
204-8772	677
204-9316	▶230
	231
205-0626	825
205-8657	▶850
	1070
206-4198	235
206-4202	809
206-4881	1004
	1014
206-6308	724
206-6876	783
206-8789	938
207-1532	932
	▶938
207-1549	935
	937
	▶940
207-1556	▶943
207-1564	933
	937
	▶945
207-2822	1054
	▶1087
207-2823	▶1034
	1054
207-2824	▶1036
	1054
207-2825	1054
	▶1082
207-5248	378
	380
207-8084	454
207-8128	437
207-8130	438
207-8211	235
207-8213	235
208-9490	3
	4
	5
	6
	7
	8
	9
	10
	11
	12
	13
	14
	15
	16
	▶231
209-3569	92
209-5356	▶602
209-5581	▶953
	1073
209-5582	1058
	1065
209-8441	783
209-8621	235
209-8622	257
209-8624	235
209-9770	235
210-2521	279
	▶380
210-4309	▶868
	1054
211-0745	▶1038
	1054
211-3122	133
	134
	139
211-3123	133
211-7885	▶454
212-1487	2
	▶464
212-8255	▶864
	1054
212-8259	▶864
	1054
212-9431	1
	▶718
212-9580	718
	▶719
	795
213-0677	327
	888
213-3199	148
213-3217	330
	332
	334
	336
	338
	340
	342
	344
	346
213-4740	783
	▶795
214-2484	882
	884
	▶902
214-5585	▶669
214-6045	634
214-7566	255
214-7568	135
	137
	141
	756
	769

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	772		719		16		46
215-5568	▶827	221-0777	▶864		▶118		48
216-5582	125		1054		▶120		52
	128	221-5430	▶913		▶122		53
	131	221-9360	113	223-9731	3	225-9199	605
216-8997	259	221-9963	181		4	226-5561	125
216-9064	259		182		5		131
216-9065	259	222-1497	725		6	226-9580	▶40
217-0751	125		727		7		▶41
	128	222-1976	▶117		8		42
	131		118		9	227-0838	175
217-0752	125	222-2879	▶32		10		177
	128		▶34		11		▶390
	131	222-5767	175		12	227-1204	118
217-5232	36		177		13		120
	38	222-5768	150		14		122
	53		153		15	227-3006	325
217-5237	36	223-0533	261		16	227-3812	725
	38		263		▶113		730
	40		265	223-9784	▶438		734
	41	223-3505	32	223-9786	▶1024		737
217-5240	36		34	224-0728	▶455		743
	38		42	224-0754	▶500		745
	40		44	224-0875	▶506		749
	41		46	224-1229	▶261		753
217-6415	327		48	224-2165	▶786		758
217-8938	310		154	224-3245	330		762
217-8946	643	223-3637	32		332		787
	648		▶36		334	227-3917	▶459
217-8947	642		▶38		336	227-4239	128
219-0614	327	223-3932	▶623		338	227-8851	515
219-0626	▶175	223-4738	▶259		340		517
	▶177	223-4746	515		342		519
219-0627	175		517		344		521
	177		519		346		523
	▶255	223-4903	175	224-3246	330		525
219-0634	▶150		177		332		527
219-0635	150		257		334	227-8852	515
	153	223-7263	▶125		336		517
219-0637	▶151		128		338		519
219-0638	151		134		340		521
	152	223-7962	515		342		523
219-0640	151		517		344		525
	152		519		346		527
219-2384	852		521	224-3983	125	227-9495	2
	▶889		523	224-4501	▶236		▶401
219-4458	332		525	224-5122	135	227-9864	1
	334		527		137		▶189
	336	223-9250	▶133		141	228-0853	913
	338		▶134	224-9775	65	228-2674	▶542
	340		135	225-1144	105		544
	342		141	225-1147	▶104		547
	344	223-9252	3		106		549
	346		4	225-1148	▶105		553
220-1204	▶360		5		108		556
220-1206	32		6		109		560
	34		7		110		568
	42		8		111	228-3581	1089
	44		9	225-1149	▶106	228-4370	544
	46		10		108		553
	48		11		109		556
220-6368	▶257		12	225-5222	36		560
220-6390	▶88		13		38		564
220-8217	257		14		40		568
220-8678	717		15		41		571

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	583		589		519		332
	586		592		521		334
	589	228-4378	544		523		336
	592		553		525		338
228-4371	544		556		527		340
	553		560	229-2671	▶369		342
	556		564	229-2861	330	230-3728	778
	560		568	229-2863	3		779
	564		571		4		780
	568		583		5		781
	571		586		6		782
	583		589		7	230-3775	778
	586		592		8		779
	589	228-4379	544		9		780
	592		553		12		781
228-4374	544		556		13		782
	553		560		14	230-3807	▶547
	556		564		15		▶548
	560		568		16	230-3808	▶549
	564		571		▶330		▶551
	568		575		▶332	230-4011	727
	571		578		▶334		740
	575		583		▶336		747
	578		586		▶338		751
	583		589		▶340		756
	586		592		▶342		760
	589	228-4380	▶544		▶344		765
	592	228-4381	646	229-5519	▶82		769
228-4375	544		649		▶83		772
	553		651	229-5667	1089		789
	556		656		1093	230-4012	727
	560		658	229-6259	330		740
	564	228-4386	649		332		747
	568	228-4947	902		334		751
	571		903		336		756
	575	228-7796	646		338		760
	578		651		340		765
	583		654		342		769
	586		656		344		772
	589		658		346		789
	592	228-8531	▶470	229-6709	▶348	230-9099	▶220
228-4376	544	228-8532	▶471	229-6712	▶842	230-9425	181
	553	228-8533	▶163	229-8394	999		182
	556	228-8534	▶165		1010	230-9446	19
	560	228-8535	▶167	229-8395	999		180
	564	228-8537	▶472		1010		181
	568	228-8538	▶473		▶1020		182
	571	228-9899	544	229-8396	1000	230-9447	19
	575		547		1011		180
	578		548	229-8568	▶114		181
	583		568		117		182
	586		571		124	231-1973	3
	589		583	229-9407	831		4
	592		586	229-9933	▶1025		5
228-4377	544	228-9900	549	229-9965	1		6
	553		551		▶196		7
	556		553	229-9966	1		8
	560		556		▶197		9
	564		560	229-9985	2		10
	568		564		▶908		11
	571		589	230-1117	82		12
	575		592	230-1434	913		13
	578	229-1472	235		914		14
	583	229-2282	515		915		15
	586		517	230-2569	330		16

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	▶882		▶798		23	235-3612	1043
	▶884	233-7245	▶17		24		1045
231-2767	398		▶18		25		1060
	399	234-0275	▶1032		26		1067
231-3947	776	234-1400	1089	234-9508	17		1070
231-5219	465		1093		18	235-5264	976
231-6133	831	234-1401	1089		20	235-8105	839
	833		1093		21		976
231-7753	40	234-5002	57		22	235-8106	839
	41		59		23		976
232-0253	378	234-5005	3		24	236-1687	515
	380		4		25		517
232-0768	730		5		26		519
	732		6	234-9706	2		521
	743		7		▶350		523
	745		8	234-9775	▶355		525
	747		14	234-9776	2		527
	762		▶57		▶356	236-1780	1
	765		▶59	235-0183	42		▶844
	769		▶60		44	236-1805	523
232-0770	439	234-5013	727	235-0313	42		525
232-0771	▶439		732		44		527
232-1374	783		740	235-0588	1027	236-2314	65
232-1376	783		747	235-0658	17	236-4414	175
232-1693	844		751		20		177
	846		756	235-1088	17	236-4415	175
	847		760		18		177
232-3235	330		765		20	236-4545	914
	332		769		21		915
	334		772		22	236-5605	139
	336		789		23	236-6993	▶475
	338		▶909		24	236-7659	▶691
	340	234-5986	▶353		25		699
	342	234-5997	120		26	236-7783	▶1058
	344		▶124	235-1089	17	236-9868	▶221
	346	234-7935	3		18	236-9869	▶222
232-3236	330		4		20	236-9870	▶223
	332		6		21	236-9871	▶224
	334		7		22	236-9872	▶225
	336		8		23	237-0194	330
	338		▶68		24	237-0336	1041
	340	234-8937	84		25	237-1962	934
	342		89		26		▶947
	344		253	235-1401	3	237-2706	734
	346		257		4	237-4284	▶966
232-4604	1054	234-9183	▶349		6	237-4286	▶145
232-4605	1055	234-9184	2		7	237-4288	145
232-4606	1055		▶354		8	237-4290	▶729
232-4607	1058	234-9185	3		12	237-4291	2
232-4608	▶1054		4		14		▶664
	1058		5		15		▶665
232-4609	839		6		▶778	237-4292	664
	976		7		▶779	237-4293	▶1041
232-4610	839		8	235-1402	5	237-4294	2
	976		9		9		▶967
232-5187	▶42		12		13		▶970
	▶44		14		16		▶973
232-6182	▶674		15		▶780	237-4296	▶730
232-6560	148		▶135		▶781		▶732
233-0891	844		▶137	235-1403	10	237-4297	▶646
	846	234-9505	17		11	237-4298	▶616
	847		18		▶782	237-4300	729
233-4890	▶325		20	235-1587	469	237-4301	616
233-6742	707		21	235-2471	▶828	237-4302	646
	▶797		22	235-3577	▶796		649

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	654	239-4310	▶153		106		513
237-4303	1041	239-5024	1033		107		515
237-4305	966	239-5025	▶1033		112		517
237-9754	▶648		1040	243-0551	5		519
238-0294	330	239-5674	882		9		521
	332		884		10		523
	334		▶896		11		525
	336	239-5928	882		13		527
	338		884		16		529
	340		▶903		▶69	247-8211	2
	342	239-5929	967	243-0943	▶127		▶351
	346		970		128	247-9908	134
238-0296	797		973	243-1159	93		139
	▶799	239-9624	17		94	248-0471	▶861
238-0382	610		18		95		1062
238-2700	117		▶180		97		1075
238-4664	200	239-9957	▶887		98	248-4068	846
238-5080	909	239-9988	▶692		105	248-5588	▶109
238-9384	1		695		106	248-5590	▶110
	▶858	240-0003	▶693		107	248-8889	▶604
239-0582	65		694		112		605
239-0770	175	240-0291	691	243-1560	▶846		606
	177		696		▶847		607
239-1134	915	240-1614	200	243-3820	▶1040		608
	▶959	240-4863	275	243-3872	275		609
239-1388	665	240-5881	275		276	249-0164	758
239-2395	882		276	243-6718	113		760
	884	240-6040	▶725		▶267	249-0945	604
	▶893		▶727	243-6741	▶128	250-0466	118
239-2396	725	240-6041	▶617		133		120
	727	240-6042	617	244-7715	779		122
	730	240-6043	617	244-7716	780	250-2940	344
	732	240-6053	▶465	244-8681	▶402		346
	734	240-6054	▶843	244-8682	402	250-6591	276
	737	240-7157	▶476	245-4393	275	250-8279	943
	740	240-7970	▶463	245-7598	1041		945
	743	240-8213	▶65	246-1112	235	250-8519	638
	745	240-8214	▶310	246-2900	1089	250-9377	19
	747	240-8658	▶373	246-5804	1027		182
	749	240-9682	5	247-0486	734	250-9378	180
	751		13		737		181
	753		16		740	251-4880	▶696
	756	241-0020	▶3		743		700
	758	241-0470	▶1043		758	252-0652	10
	760	241-0471	▶1045		760		11
	762	241-2942	420		787		▶346
	765	241-3006	▶694		789	252-0656	346
	769	241-3283	661	247-5711	▶284	252-0803	▶697
	772	241-5645	424		▶285		705
	787	241-6186	882	247-5712	284	252-0804	▶698
	789		884		285		701
	882	242-3360	691	247-6050	795	252-1055	445
	884		696	247-6123	332	252-1056	455
	▶894		697		334	252-1059	▶445
239-3478	▶895		698		336	252-5514	▶226
	896		704		338	252-9658	▶699
239-4106	112	242-3492	9		340	252-9659	2
239-4111	▶107		▶695		342		▶700
	108	242-7406	597	247-6130	332	253-0615	778
	109	242-9537	93		334	253-0616	781
	110		94		336	253-0618	782
	111		95		338	253-1752	113
239-4112	1		97		342		267
	▶108		98		346	253-2111	870
239-4309	▶152		105	247-7133	511		872

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page	Part	Page	Part	Page	Part	Page
	874		▶556		128		14
	875		▶560		131		16
	876		▶564	261-7552	310		▶282
254-2263	▶1090	256-6165	▶568	262-2765	1		▶283
254-3226	▶618		▶571		▶154	266-6038	118
254-3227	618	256-6171	▶649	262-2878	847		120
254-3832	1	256-6172	▶651	262-4161	▶1060		122
	▶4	256-6173	651	262-4162	▶1047	266-7227	▶829
254-3835	▶5	256-6453	909	262-4163	1047	267-3443	50
254-3838	▶6	256-9357	▶1017	262-4164	1047	267-3444	50
254-6081	382		1018	262-4165	▶273	267-3482	2
254-7435	8		1019	262-4168	▶403		▶724
254-7439	6	256-9358	1018	262-6145	375	267-4631	▶115
254-9220	▶638	256-9651	213		376		116
255-0654	▶734		219		377	267-4632	▶116
	▶737		226	262-6877	▶666		122
	▶740		228	263-2179	521	267-5212	50
255-0655	▶743	256-9653	213	263-2186	1		55
	▶745		219		▶433	267-6575	50
	▶747		226	263-2912	▶620	267-6576	50
255-0656	2		228	263-4920	125	268-0220	702
	▶749	257-4183	▶983		131	268-2960	691
	▶751	257-5812	154	263-5055	137		702
255-0657	▶753	257-7273	▶357		▶139		704
	▶756	257-7275	▶787	263-6409	542	268-3488	697
255-0659	▶478		▶789	263-7214	2		698
255-0887	638	257-7276	1		▶976	268-5582	259
255-4649	▶111		▶619	263-8511	665	268-5589	259
255-4652	1	257-7277	619	264-2352	2	268-5705	373
	▶481	257-8420	▶605		▶961	268-6573	▶610
	▶483		610	264-2354	961	269-2509	1
	▶485	258-4524	691	264-4288	425		▶263
255-4653	481		696	264-4289	424		▶265
	483		698	264-4297	910	269-4756	▶1067
	485		704		911	269-4757	▶877
	487	258-4885	▶187	264-7029	756	269-5347	▶46
	489	258-8721	378		769		▶48
255-5285	844		380		772	269-6348	107
255-5477	693		381	266-0763	▶606	269-6439	▶435
255-9245	2		382		▶607	269-6798	▶19
	▶515		383	266-0764	606		20
	▶517		385		607		21
	▶519		386		608		22
255-9247	▶521	258-9972	▶1092		609	269-7631	▶793
255-9248	1	260-1548	1	266-0765	606	269-7896	▶624
	▶503		▶709		607	269-8293	▶426
255-9249	▶523		▶710	266-0766	▶608	269-8415	▶720
	▶525	260-1549	709		▶609	269-8788	275
	▶527		710	266-0767	608	270-3935	▶758
255-9250	▶535	260-1553	709		609		▶760
	▶536		710	266-0769	▶446	270-6916	32
255-9251	2	260-1844	914	266-0770	446		46
	▶537		▶960		447	270-6917	46
255-9252	2	260-3199	▶413	266-2295	1062		48
	▶538	260-3932	▶914		1075	270-6924	▶274
256-0361	1	260-3934	▶915	266-2296	▶1062	270-7104	327
	▶486	260-6821	52		1065	270-7105	327
256-0370	1		53	266-2297	▶1065	270-7106	327
	▶722	260-6822	52	266-2993	596	270-7278	▶327
256-2211	749	260-6823	52		675	270-8444	▶301
	751	260-6887	▶1093		676	270-8445	301
	753	261-3429	125	266-3699	3	270-8446	301
	756		128		4	270-8453	▶275
	772		131		7		▶276
256-6164	▶553	261-3430	125		8	270-8454	275

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
271-2214	▶169
271-2215	▶171
271-4489	▶762
	▶765
271-8090	50
	55
271-8575	426
272-0390	59
	60
	62
	63
272-1900	289
	292
	296
272-2583	104
272-6658	678
273-5106	▶447
273-5996	▶1070
273-6559	227
273-6561	▶227
274-4491	381
	382
	383
	385
	386
274-7395	884
	▶910
274-7396	884
	▶911
274-7411	▶654
274-7412	654
274-7413	▶685
274-8068	▶869
	1063
	1075
275-2081	▶1035
	1063
	1075
275-2086	▶1039
	1063
	1075
275-2096	▶1037
	1063
	1075
275-2103	1062
	1075
	▶1083
275-2110	1063
	1075
	▶1088
275-3979	2
	▶677
	▶678
276-0034	▶20
	▶21
	▶22
276-0824	1065
	1073
276-0827	1041
276-2548	▶228
276-3091	727
	732
	740
	747
	751
	756
	760
	765
	769
	772
	789
276-4132	383
276-4637	334
	338
	340
	342
	344
276-5317	378
	380
	381
	382
	383
	385
	386
276-9507	32
	34
277-6220	542
277-6221	542
	581
277-6222	542
	581
277-6223	542
	581
277-6224	542
	581
277-6228	542
	581
277-6229	542
	581
277-6230	542
	581
277-6231	542
	581
277-6240	710
277-9747	1065
	1073
278-0095	▶235
278-0592	945
278-1363	383
	384
278-1365	381
	382
	388
278-1929	280
	▶381
278-1931	278
	▶382
278-1938	283
	▶383
278-4486	▶611
278-5657	61
278-5662	3
	4
	5
	9
	10
	11
	12
	13
	15
	▶61
	▶62
278-8844	727
	732
	740
	747
	751
	756
	760
	765
	769
	772
	789
279-0533	1062
	1075
279-0534	1062
	1075
279-1152	346
279-6010	▶460
279-8770	▶529
279-9540	▶358
280-2582	▶675
280-2583	▶676
280-3979	131
280-7870	997
	1021
281-1640	▶131
	139
281-2725	798
	▶800
282-0918	997
282-0919	997
282-3731	18
	21
	22
	23
	24
	25
	26
282-4394	▶701
282-6844	303
	305
	307
282-6846	1
	▶190
283-1107	943
	945
283-6414	▶687
284-2712	▶702
	703
284-2776	10
	11
	▶703
284-8095	▶414
285-0028	1
	▶859
285-0823	83
285-3493	▶374
285-4122	▶689
285-5240	997
	▶1021
285-5866	▶89
285-8628	1
	▶191
285-9063	449
285-9064	▶449
285-9302	449
285-9395	1020
286-0474	46
	▶50
286-1106	▶201
286-8179	▶303
286-8180	▶305
286-9120	1
	▶860
287-1690	50
	55
287-3789	1017
287-4563	984
287-4596	1007
288-0648	▶307
288-1347	50
	55
288-4109	17
	20
	21
288-4881	131
288-4882	131
288-4883	125
	131
288-4884	125
	131
289-2895	▶596
289-8215	59
	60
	62
	63
291-5522	▶173
291-5523	173
291-5541	▶368
291-6821	▶461
291-8247	829
291-8253	829
291-8263	829
291-8271	829
291-8274	829
292-3815	829
	833
292-8185	436
292-9782	461
292-9783	461
293-0006	509
293-8350	1021
294-3075	18
	22
	25
	26
294-3076	18
	22
	25
	26
295-5422	340
296-2745	373
296-6478	▶361
296-6479	▶362
296-6480	▶363
296-6481	▶364
296-7644	▶704
	706
296-7650	704

▶ **PRIMARY REFERENCE**

PART NUMBER INDEX

Part	Page
296-9791	▶575
	▶578
296-9792	575
	578
296-9793	575
	578
296-9794	575
	578
296-9795	575
	578
296-9796	575
	578
296-9800	575
	578
296-9821	658
297-1813	92
297-4282	581
297-4283	548
	551
	564
	571
	▶581
	583
	586
	589
	592
297-4284	▶583
	▶586
297-4285	▶589
	▶592
297-6788	▶375
	990
297-6789	▶376
	991
297-6792	▶377
	992
297-6993	993
297-6998	994
297-6999	987
	▶997
297-8160	989
	▶999
297-8164	996
	▶1010
297-8252	995
	▶1014
297-8255	988
	▶1004
298-4781	▶716
298-4782	▶783
299-1761	831
	833
299-8950	▶985
	990
	991
	992
299-8951	▶986
	987
	988
	989
	994
	995
	996
299-8952	993
	▶1026
299-8962	▶987
299-8963	▶988
299-8964	▶989
299-8969	▶990
299-8970	▶991
299-8971	▶992
299-8973	▶993
299-8975	▶994
299-8976	▶995
299-8977	▶996
300-4940	▶7
300-4941	▶8
301-2980	1062
	1075
301-5352	▶384
	389
303-1257	▶656
303-1258	656
303-1265	▶658
303-1266	658
304-2693	44
	▶52
304-3733	▶436
304-3734	▶462
304-4156	259
304-9463	▶9
304-9553	18
	22
	23
	24
	25
	26
304-9988	276
304-9991	34
	▶53
305-1511	1014
	▶1018
305-1513	▶498
305-1514	▶494
305-2749	462
305-3045	1092
305-9196	122
	▶352
306-3998	929
	947
306-4014	344
307-1610	60
307-2575	▶487
	▶489
307-6192	55
307-6200	55
307-6205	55
307-6209	55
307-8305	999
	1010
307-8306	999
	1010
307-8322	381
	382
	387
	389
307-8769	999
	1010
308-1362	831
	833
308-1365	831
	833
308-1366	831
	833
309-1860	9
309-5130	255
309-8628	▶10
309-8629	▶11
310-4188	344
310-7612	70
311-1433	▶466
311-1434	466
311-1435	466
311-1436	▶661
311-1437	661
311-1438	661
311-1440	▶507
311-1441	2
	▶539
313-1354	977
313-1355	▶977
313-1356	978
313-1357	▶978
313-1358	979
313-1359	▶979
313-1360	981
313-1361	▶981
313-1402	997
313-2060	1016
313-6348	▶415
313-6361	23
	25
	▶181
313-6363	24
	26
	▶182
314-2716	▶839
314-3063	125
314-3064	125
314-3065	125
314-3066	125
314-3067	125
314-3068	125
314-3069	125
314-6151	48
	▶55
314-7316	5
	10
	11
	13
	16
	▶141
314-9614	3
	4
	7
	8
	12
	14
	15
	▶70
316-1434	1004
316-1807	436
316-5989	1004
	1014
316-5991	1004
	1014
316-5999	1004
	1014
316-6864	777
316-7251	▶831
316-9076	▶415
317-2294	▶705
317-2296	▶706
317-8766	113
	267
318-1900	10
318-1902	11
318-2082	930
	948
318-7416	1004
	▶1019
318-7420	1019
319-0785	248
	249
	250
	251
	253
	257
	259
	▶391
319-5221	999
	1010
319-7401	113
	▶392
320-2794	▶385
	389
320-2795	385
320-2796	▶386
	387
	389
320-2797	386
321-7384	34
	48
322-8542	▶23
322-8543	▶24
323-1682	▶90
324-0671	▶769
324-0672	▶772
324-6803	1025
326-1643	719
326-1644	717
327-1013	▶12
327-1014	▶13
327-2107	▶14
328-4236	281
	▶387
328-4238	387
	▶388
328-4242	282
	▶389
328-8410	833
329-0223	53
329-0361	▶148
332-4696	289

3

▶ PRIMARY REFERENCE

PART NUMBER INDEX

Part	Page
332-4697	289
	292
	296
332-6562	▶1
332-7297	69
332-7298	68
333-1184	▶833
334-4399	833
335-1893	323
	▶329
335-2317	10
	▶204
335-6328	53
336-8613	727
	732
	740
	747
	751
	756
	760
	765
	772
	789
336-8955	65
338-1121	▶874
338-1122	▶875
339-0022	3
	7
	12
	14
339-0996	▶876
341-3883	4
	15
341-6804	101
	103
	▶112
341-7343	▶1073
341-7344	1073
	▶1075
343-5527	717
	719
343-9866	62
344-2359	▶15
344-6076	63
344-6077	16
	▶63
345-4072	▶25
345-4073	▶26
346-1612	▶16
346-6616	344
349-5289	▶888
349-5290	▶229
350-7594	▶904
351-0588	▶202
351-0589	▶192

▶ **PRIMARY REFERENCE**

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