



COMPONENT & MAJOR CONNECTOR LOCATION DIAGRAM

STOP, TAIL & TURN LIGHT CABLE ASSY & CONNECTOR

CABLE ASSY-SPEEDOMETER

STANDARD-BATTERIES

WHEEL SENSOR LEAD-SPEEDOMETER

CABLE ASSY-BACK UP LIGHT

DOUBLES TRACTOR LOCATION BATTERY BOX-BATTERIES

STOP, TAIL, TURN & BACK UP LIGHTS

TRANSMITTER, ELECTRIC TACHOMETER LOCATED IN BOTTOM OF FLYWHEEL HOUSING

CAB TO FRAME GROUND

CAB TO FRAME GROUND

FEED THRU STUD

ENGINE HARNESS & CONNECTOR

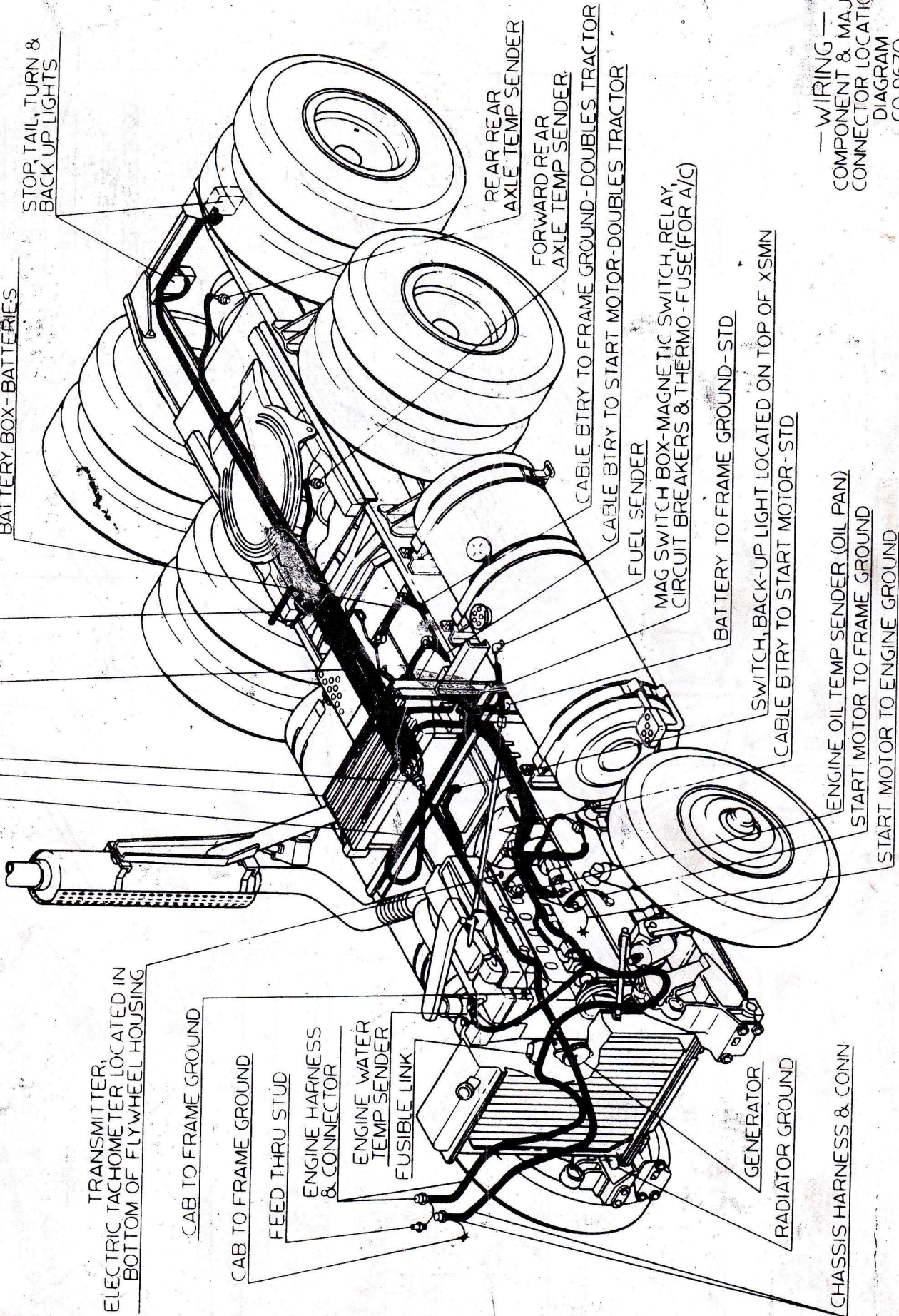
ENGINE WATER TEMP SENDER

FUSIBLE LINK

GENERATOR

RADIATOR GROUND

CHASSIS HARNESS & CONN



— WIRING —  
COMPONENT & MAJOR  
CONNECTOR LOCATION  
DIAGRAM  
CO-9670  
CHASSIS  
CUMMINS N-SERIES SHOWN

COLOR CODE

- BK - BLACK
- BL - BLUE
- BN - BROWN
- CL - CLEAR
- GN - GREEN
- OR - ORANGE
- RD - RED
- WH - WHITE
- YL - YELLOW
- GY - GRAY
- VL - VIOLET

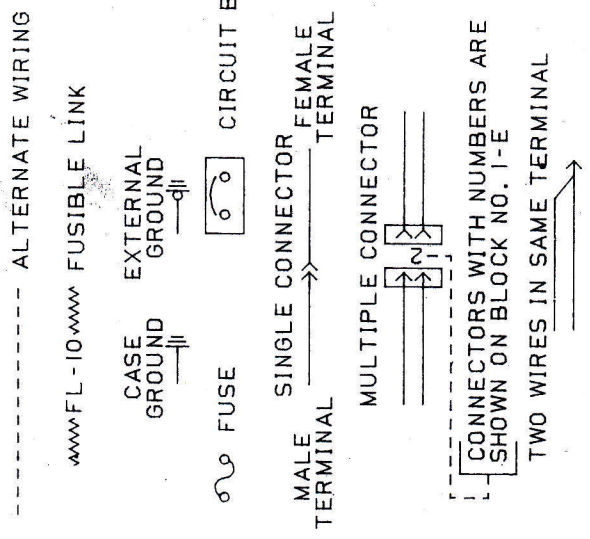
KEY

- B56C-14 GN/BK
- COLOR OF STRIPE
- CABLE COLOR
- CABLE GAUGE
- CIRCUIT NUMBER
- CIRCUIT LOCATION IN CONNECTOR

ABBREVIATIONS

- AC --- AIR CONDITIONING
- BK --- BRAKE
- B/U --- BACK-UP
- CB --- CITIZEN BAND
- CH --- CHANNEL
- CONN --- CONNECTOR
- ENG --- ENGINE
- GA --- GAUGE
- GRD --- GROUND
- IGN --- IGNITION
- L --- LEFT
- LT --- LIGHT
- NC --- NORMALLY CLOSED
- NO --- NORMALLY OPEN
- PNL --- PANEL
- R --- RIGHT
- SW --- SWITCH
- XMSN --- TRANSMISSION
- W/ --- WITH
- W/O --- WITHOUT
- WSHLD- WINDSHIELD

SYMBOLS



CONNECTORS WITH NUMBERS ARE SHOWN ON BLOCK NO. 1-E

TWO WIRES IN SAME TERMINAL

BLOCK INFORMATION

- BLOCK NUMBER
- 1-A CAB CIRCUITS-SECONDARY
- 1-B CAB HARNESS
- 2-A CAB CIRCUITS-PRIMARY
- 2-B CAB HARNESS
- 1-C ENGINE & CHASSIS CIRCUITS
- 2-C ENGINE CIRCUITS
- 1-D GAUGE CLUSTERS
- 2-D SWITCH CONTROL MODULE
- 1-E CONNECTOR BODIES
- 2-E ADDITIONAL OPTIONAL CIRCUITS
- 2-G
- 1-G LEGEND
- 1-H CIRCUIT IDENTIFICATION
- 2-H 280 CM BBC RAISED ROOF CAB
- 1-J COMPONENT & MAJOR CONNECTION -CAB
- 2-J COMPONENT & MAJOR CONNECTION -CHASSIS

LOCATING KEY

- KEY
- 1 BEHIND INSTRUMENT PNL-LEFT SIDE
- 2 BEHIND INSTRUMENT PNL-CENTER
- 3 BEHIND INSTRUMENT PNL-CENTER-LOWER WSHLD
- 4 BEHIND INSTRUMENT PNL-RIGHT SIDE
- 5 BETWEEN CAB FLOORS-LEFT FRONT
- 6 BETWEEN CAB FLOORS-LEFT-UNDER SEAT
- 7 LUGGAGE COMPARTMENT-LEFT
- 8 CAB FLOOR-RIGHT FRONT
- 9 LUGGAGE COMPARTMENT-RIGHT
- 10 IN HEATER BOX
- 11 OUTSIDE HEATER BOX
- 12 IN STEERING COLUMN
- 13 IN DOOR
- 14 IN HEADER ABOVE WSHLD-LEFT SIDE
- 15 IN HEADER ABOVE WSHLD-RIGHT SIDE
- 16 IN HEADER OR RADIO POD ABOVE WSHLD-CENTER
- 17 IN RADIO POD
- 18 IN REAR CONSOLE UPPER
- 19 ABOVE ROOF HEADLINER
- 20 BEHIND TRIM PNL ABOVE LEFT DOOR
- 21 BEHIND TRIM PNL ABOVE RIGHT DOOR
- 22 BEHIND CONTROL PNL-LEFT BUNK
- 23 BEHIND UPPER TRIM PNL-LEFT BUNK
- 24 BEHIND UPPER TRIM PNL-REAR BUNK
- 25 AT BUNK SPEAKER

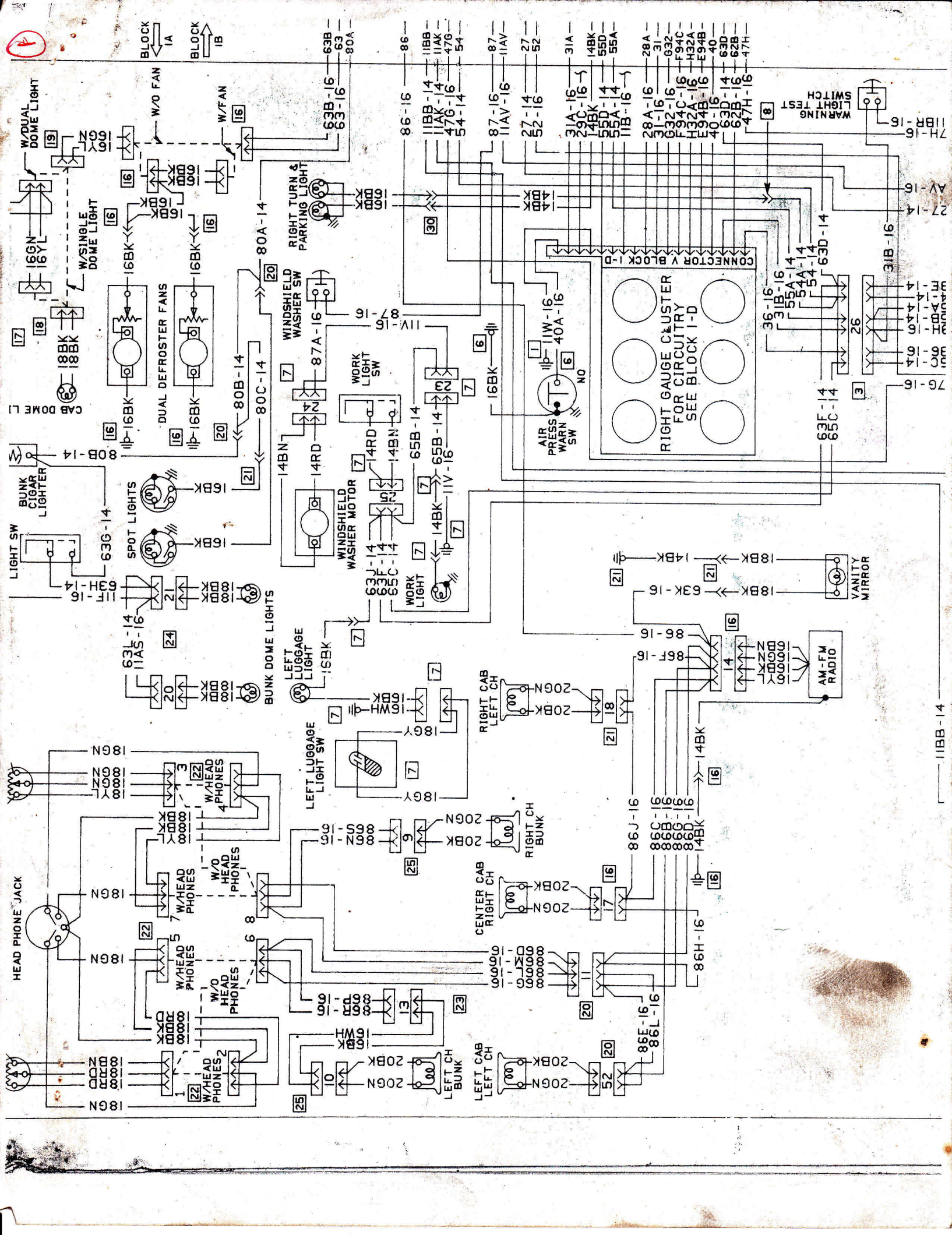
NOTES:

1. (SEE BLOCK 2B) IN UP POSITION TERMINALS 2-3 & 5-6 CONNECT. IN DOWN POSITION TERMINALS 1-2, & 4-5 CONNECT.
2. (SEE BLOCK 2B) CENTER POSITION SHOWN. IN UP POSITION TERMINALS 2-3-6 CONNECT. IN

- 32 CHASSIS SIDEMEMBER-RIGHT
- 33 CHASSIS SIDEMEMBER-LEFT
- 34 ENGINE SIDE OF ENGINE TUNNEL
- 35 BEHIND UPPER TRIM PNL-RIGHT BUNK

# CIRCUIT IDENTIFICATION

DESCRIPTION	CIRCUIT	USAGE & SUFFIX	DESCRIPTION	CIRCUIT	USAGE & SUFFIX
FUSIBLE LINK	FL FL		HEADLIGHT	52	52, A, B, C, D, E, F
GENERATOR (CHARGE)	1 2 3 4 5 6 7 8 9 10	2, A	PARKING LIGHTS	53	
			TURN SIGNAL	54	54, A
				55	55, A, B, C, D, E, F, G, H, J, K
				56	
			CLEAR, IDENT & MARKER LIGHTS	57	
				58	58, A, B, C, D, E, F, G, H
				59	
				60	
				61	
GROUND	11		PANEL LIGHTS	62	62, A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, T, V, W, X, Y
				63	63, A, B, C, D, E, F, G, H, J, K, L, M, N, P, R, S, T
			AUXILIARY LIGHTS	64	64, A, B
			TRAILER HOOK-UP	65	65, A, B, C
				66	
				67	
MAIN FEED	14, A, B		TAIL LIGHTS	68	68, A, B
				69	
IGNITION	A, B, C, D, E		STOP LIGHTS	70	A, B, C
STARTING CONTROL	17, A, B, C, D, E		BACK-UP LIGHTS	71	71
GLOW PLUG PRE-HEATER			TRAILER	72	72
FUEL SHUT OFF	19	A, B, C, E, F, G, H, J		73	
	20			74	
ETHER	21, A		HEATER	75	A, B, C, D, E, F, J, K, L, M, N, P, R
	22			76	
ENGINE FAN	23, A, B, C, D, E		AIR CONDITIONER	77	77, A, B, C, D, E
EXHAUST BRAKE	24	A, B, C, D, E, F, H	MIRROR	78	78, A, B
PYROMETER	25	A, B		79	
	26		ACCESSORY FEED	80	A, B, C, D, E, F
VOLTAGE INDICATOR	27			81	
INSTRUMENT	28, A, B			82	
ENGINE WATER TEMP	29	A, B, C, D, E, F, G, H	WINDOW LIFT	83	83, A, B, C, D, E, F
ENGINE OIL TEMP	30		CIGAR LIGHTER	84	84
TRANSMISSION OIL TEMP	31, A, B		HORN	85	85, A
AXLE OIL TEMP	32	A	RADIO	86	86, A, B, C, D, E, F, G, H, J, L, M, N, P, R, S, Y
	33		WINDSHIELD WASHER	87	87, A
WATER LEVEL	34, A, B		CLOCK	88	88, A, C
ENGINE OIL PRESSURE	35	A, B		89	
FUEL LEVEL	36			90	
	37			91	
AIR PRESSURE WARNING	40, A		TRANSMISSION	92	92, A
	41			93	
	42		WHEEL LOCK (ANTI-SKID BRAKES)	94	B, C
POWER DIVIDER LOCK WARN	43	43		95	



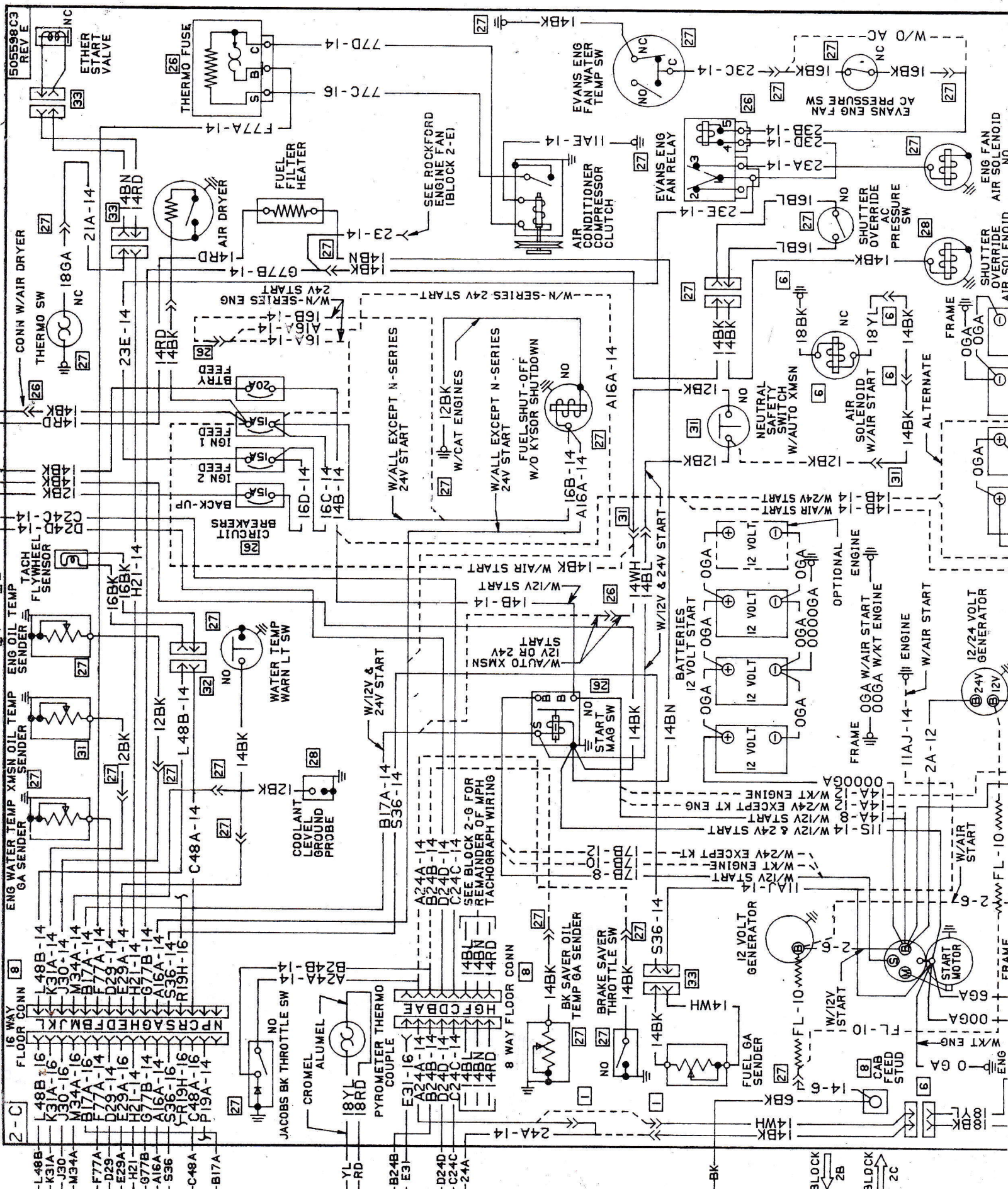








6.3



- L48B-16
- K31A-16
- J30-16
- M34A-16
- B17A-16
- F77A-16
- D29-16
- H21-16
- G77B-16
- A16A-14
- S36-16
- C48A-14
- B17A-14
- YL-RD
- B24B-E31
- D24D-14
- C24C-14
- 24A

BLOCK 2B  
BLOCK 2C

12/24 VOLT GENERATOR

12 VOLT GENERATOR

12 VOLT 12 VOLT 12 VOLT

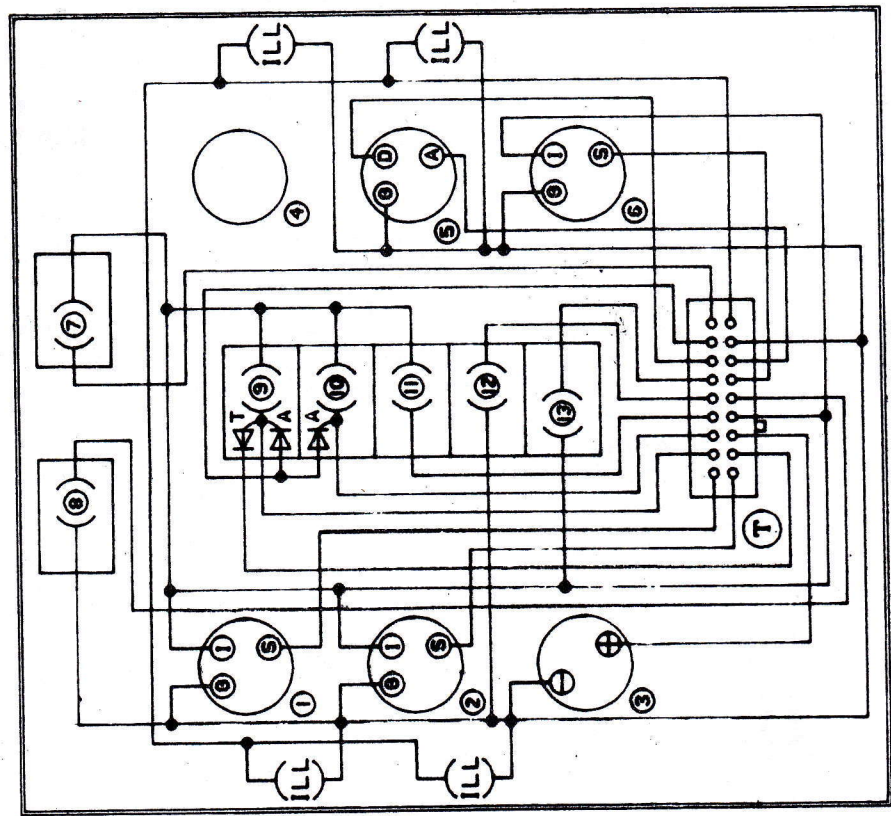
12 VOLT 12 VOLT 12 VOLT

12 VOLT 12 VOLT 12 VOLT

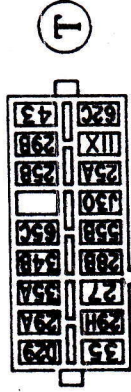
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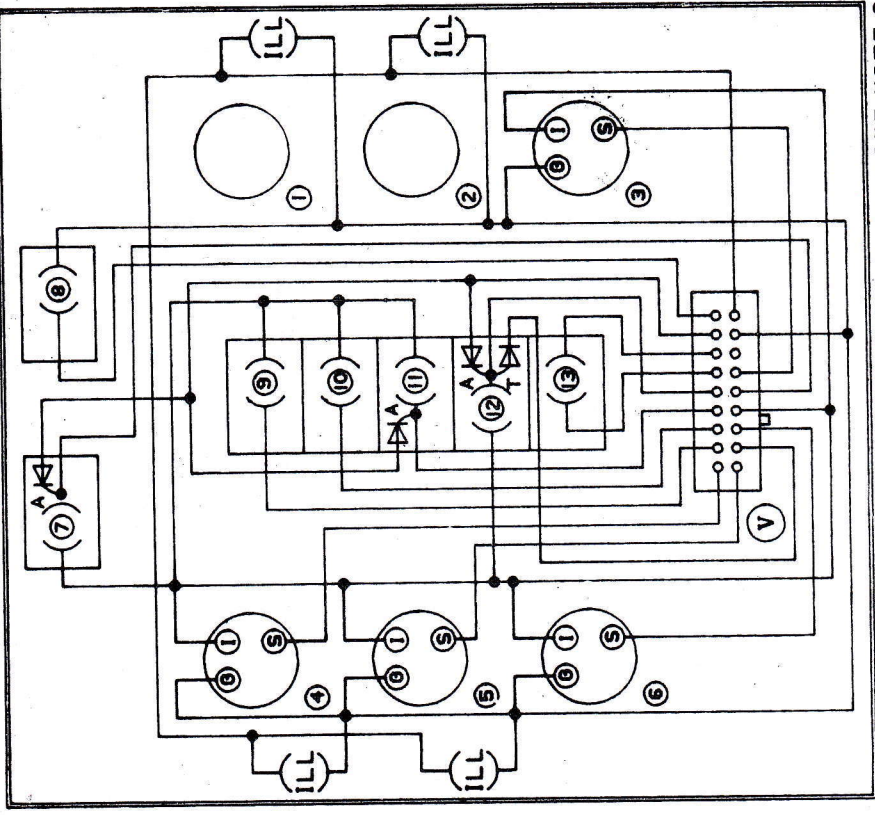


LEFT GAUGE CLUSTER

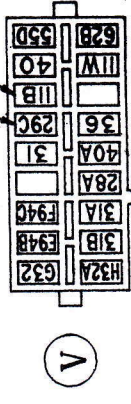


GAUGES

- ① WATER TEMP
  - ② ENGINE OIL PRESSURE
  - ③ VOLTMETER
  - ④ AIR RESTRICTION
  - ⑤ PYROMETER
  - ⑥ ENGINE OIL TEMP
- WARNING LIGHTS
- ⑦ POWER DIVIDER LOCK-OUT
  - ⑧ LEFT TURN
  - ⑨ WATER TEMP
  - ⑩ ENGINE OIL PRESSURE
  - ⑪ COOLANT LEVEL



RIGHT GAUGE CLUSTER



GAUGES

- ① AIR PRESSURE - PRIMARY
  - ② AIR PRESSURE - SECONDARY
  - ③ FUEL LEVEL
  - ④ AXLE TEMP, REAR 4 X 2 OR FRONT REAR 6 X 4
  - ⑤ AXLE TEMP, REAR REAR 6 X 4 OR AIR START
  - ⑥ TRANSMISSION OIL TEMP
- WARNING LIGHTS
- ⑦ LOW AIR
  - ⑧ RIGHT TURN
  - ⑨ FWD AXLE ANTILOCK
  - ⑩ REAR AXLE ANTILOCK
  - ⑪ TRANSMISSION OIL PRESSURE

NOTE:  
 1. VIEWS OF CLUSTER AND CONNECTORS ARE VIEWED FROM CABLE ENTRY SIDE  
 2. (A) - DIODE IN 4005  
 3. (A) - ALARM IN ADDITION TO WARNING LIGHT  
 4. (T) - TEST CIRCUIT FOR LIGHT  
 5. ILL - ILLUMINATION  
 6. CIRCUIT 29D REPLACES 29C WITH JETCO ENGINE SHUTDOWN  
 7. CIRCUIT 29G REPLACES IIB WITH JETCO ENGINE SHUTDOWN

SEE NOTE 6  
 SEE NOTE 7



