



Illustrated Parts Manual

Models 601S

P/N
3120747

November 19, 2009

ANSI



An Oshkosh Corporation Company

REVISION LOG

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ADE SYSTEM IDENTIFICATION

Most 601S machines from S/N 62137 incorporate the ADE System, but no clean S/N break exist. A machine that incorporates ADE System can be outwardly identified by the analyzer connection at the base of the platform control box as shown by the arrow.



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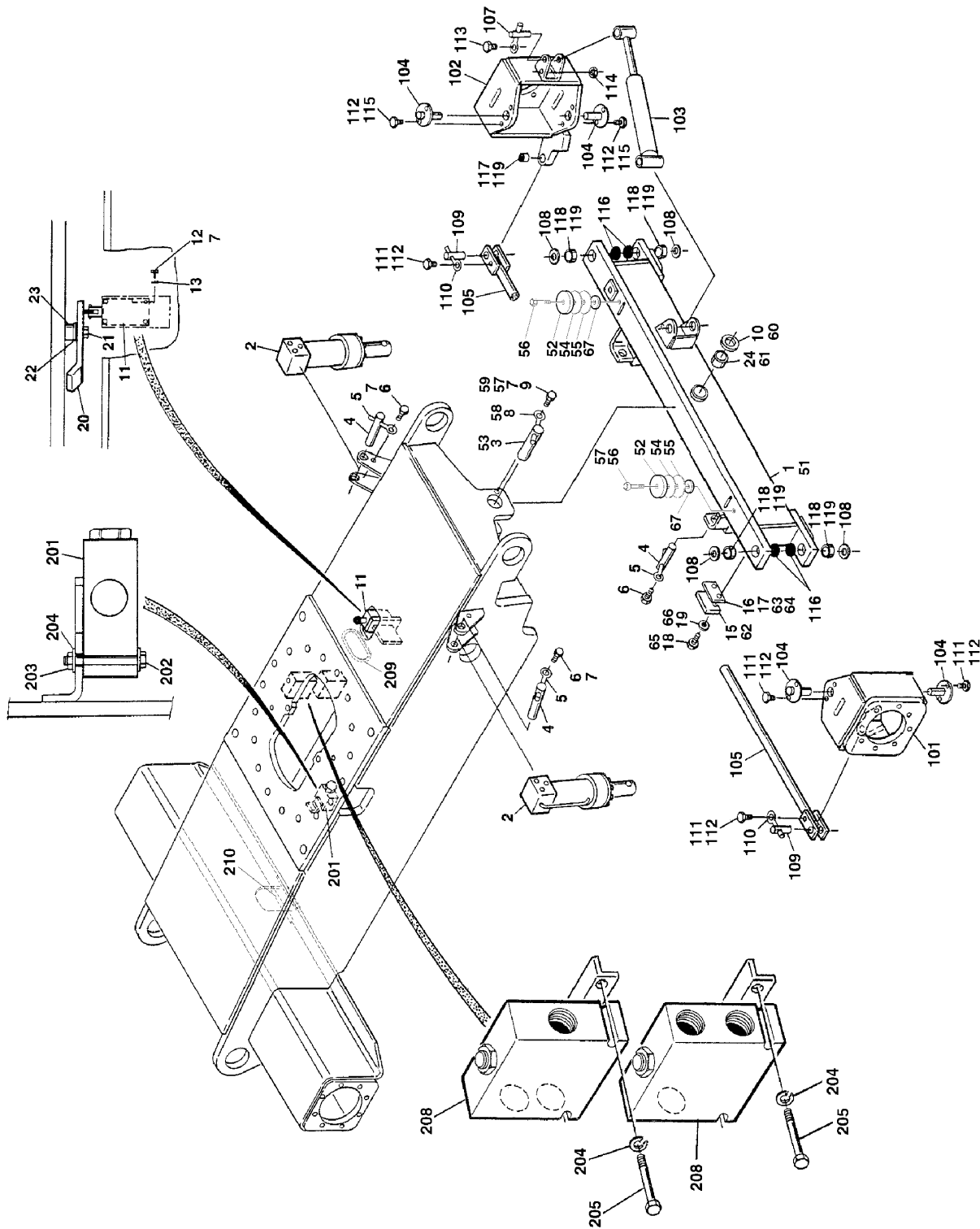
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SECTION 1

FRAME

SECTION 1 FRAME

FIGURE 1-1. 4WD FRONT AXLE AND STEERING INSTALLATIONS (PRIOR TO S/N 85132)



SECTION 1 FRAME

FIGURE 1-1. 4WD FRONT AXLE AND STEERING INSTALLATIONS (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	FRAME WELDMENT OPTIONS:	
	2360462	1	Frame Weldment (4WD) - Model 601S	
	2360504	1	Frame Weldment (4WD) - Model 601S with "Enhanced Hostile Environment Package"	
		Ref.	OSCILLATING AXLE INSTALLATION OPTIONS:	
	0257895	Ref.	ANSI MACHINES - MODEL 601S (PRIOR TO S/N 41861)	5
	0257896	Ref.	ANSI MACHINES - MODEL 601S (S/N 41861 TO S/N85132)	8
	0257896	Ref.	CSA MACHINES - MODEL 601S	7
	0258994	Ref.	MODEL 601S with "Enhanced Hostile Environment Package"	3
1	4845651	1	Axle Weldment	
2	1683280	2	Lockout Cylinder Assembly (See Section 5 for Breakdown)	
3		1	Pin, Axle Pivot Options:	
	Use 3422592		ANSI (Prior to S/N 41861) (Was P/N 3422431)	
	3422592		ANSI (S/N 41861 to S/N 85132) & CSA	
4	3422426	4	Pin, Cylinder	
5	3841143	4	Keeper, Pin	
6	0641608	4	Bolt 3/8"-16NC x 1"	
7	0100011	A/R	Loctite #242	
8	3841258	1	Keeper	
9	0642012	1	Bolt 5/8"-11NC x 1 1/2"	
10	4740158	1	Thrustwasher	
11	4640871	1	Valve, Cam	
	7012693	1	Seal Kit - 4640871 Valve	
12	0641414	4	Bolt 1/4"-20NC x 1 3/4"	
13	4711400	A/R	Flatwasher 1/4" Narrow	
14	Not Used			
15	3538047	2	Plate, Axle Wear	
16	4070878	A/R	Shim (.06)	
17	4070879	A/R	Shim (.12)	
18	0641608	4	Bolt 3/8"-16NC x 1"	
19	4711600	4	Flatwasher 3/8" Narrow	
20		1	Cam Options:	
	1100086		Model 601S	
	1100111		Model 601S with "Enhanced Hostile Environment Package"	
21	0641814	2	Bolt 1/2"-13NC x 1 3/4"	
22	4751800	A/R	Flatwasher 1/2"	
23	4567540	3	Tube, Spacer (Prior to S/N 37771)	
24	0961950	2	Bushing, Garmax	
	0259414	Ref.	FIXED AXLE INSTALLATION (S/N 43310 TO S/N 85132)	1/B
51	4845651	1	Axle Weldment	
52	3539877	2	Plate, Stop	
53	3422592	1	Pin, Axle Pivot	
54	4070944	A/R	Shim	
55	4070945	A/R	Shim	

SECTION 1 FRAME

**FIGURE 1-1. 4WD FRONT AXLE AND STEERING INSTALLATIONS (PRIOR TO S/N 85132)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
56	0641826	2	Bolt 1/2"-13NC x 3 1/4"	
57	0100011	A/R	Loctite #242	
58	3841258	1	Keeper	
59	0642012	1	Bolt 5/8"-11NC x 1 1/2"	
60	4740158	1	Thrustwasher	
61	0961950	2	Bushing, Garmax	
62	3538047	2	Plate, Axle Wear	
63	4070878	A/R	Shim (.06)	
64	4070879	A/R	Shim (.12)	
65	0641608	4	Bolt 3/8"-16NC x 1"	
66	4711600	4	Flatwasher 3/8" Narrow	
67	3571593	2	Plate, Stop	
			STEERING INSTALLATIONS	
	0257901	Ref.	ANSI MACHINES (PRIOR TO S/N 41861)	3
	0257902	Ref.	ANSI MACHINES (S/N 41861 TO S/N 85132)	4
	0257902	Ref.	CSA MACHINES	4
101	4130362	1	Spindle Weldment (RH)	
102	4130365	1	Spindle Weldment (LH)	
103	1683616	2	Steer Cylinder Assembly (See Section 5 for Breakdown)	
104		4	Kingpin Options:	
	Use 3422590		ANSI (Prior to S/N 41861) (Was P/N 3422492)	
	3422590		ANSI (S/N 41861 to S/N 43441) & CSA	
	3422802		ANSI (S/N 43441 to S/N 85132) & CSA	
105	3841285	1	Tie-Rod	
106	3422426	1	Pin, Steer Cylinder	
107	3422429	1	Pin, Steer Cylinder	
108	0440161	4	Thrustwasher	
109	3422430	2	Pin, Attach	
110	3841143	4	Pin, Keeper	
111	0641608	3	Bolt 3/8"-16NC x 1"	
112	0100011	A/R	Loctite #242	
113	0641610	1	Bolt 3/8"-16NC x 1 1/4"	
114	3311605	1	Locknut 3/8"-16NC	
115	0641608	8	Bolt 3/8"-16NC x 1"	
116	1670752	4	Cover, King Pin (Prior to S/N 43441)	
117	0962005	2	Bushing	
118		4	Bearing, Garmax Options:	
	0961948		Prior to S/N 44946	
	0962272		S/N 44946 to S/N 85132	
119	0100063	A/R	Loctite RC-609	

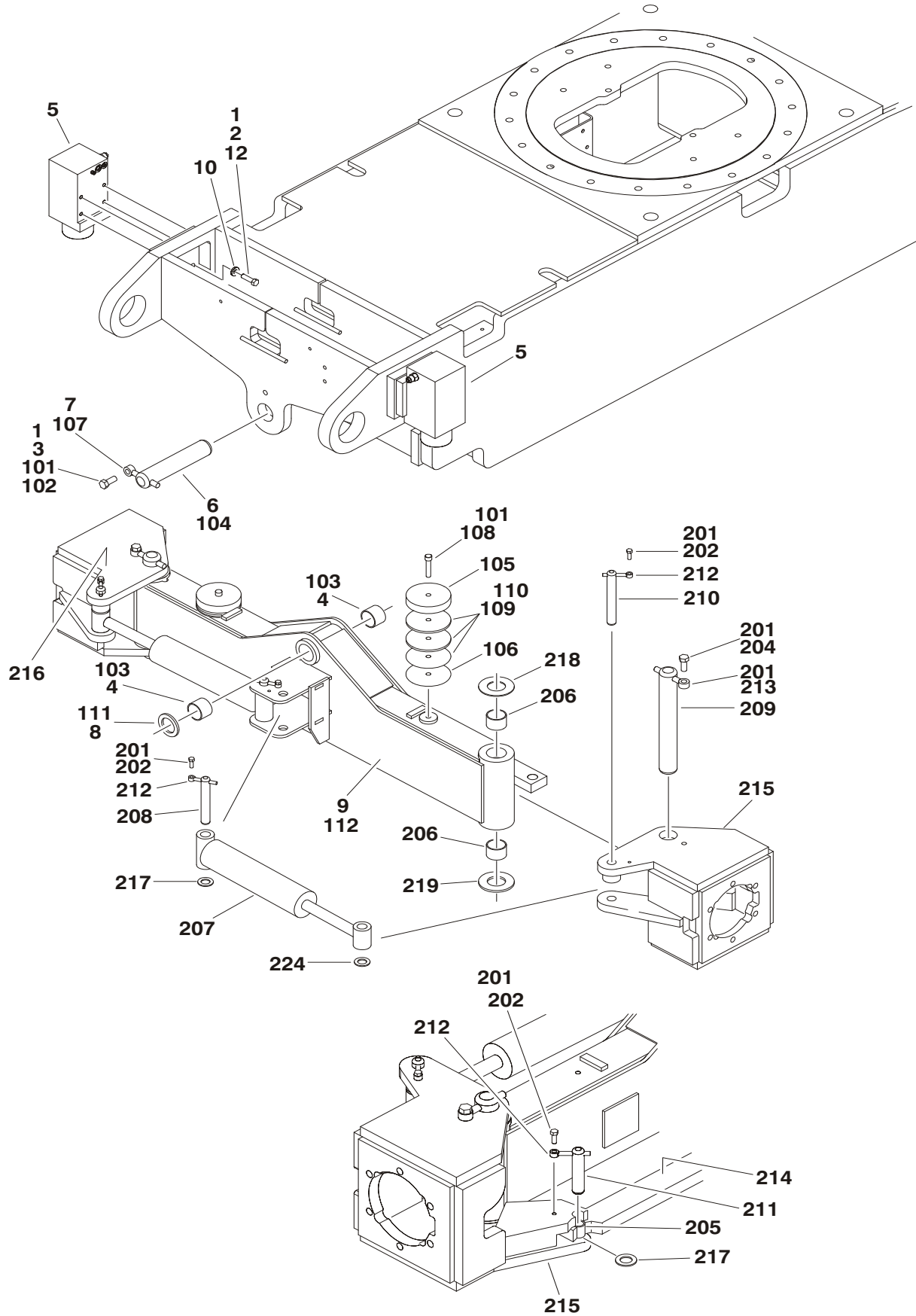
SECTION 1 FRAME

**FIGURE 1-1. 4WD FRONT AXLE AND STEERING INSTALLATIONS (PRIOR TO S/N 85132)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DRIVE VALVE INSTALLATION - 4WD OPTIONS:	
	0257907	Ref.	Prior to S/N 56791	4
	0270126	Ref.	S/N 56791 to S/N 65218	1
	0271684	Ref.	S/N 65218 to S/N 85132	3
201	4641052	1	Valve, Flow Divider	
	7020049	1	Cartridge	
	7020051	1	Seal Kit	
	7020050	1	Plug, Orifice	
202	0641522	4	Bolt 5/16"-18NC x 2 5/8"	
203	3311505	4	Locknut 5/16"-18NC	
204	4751500	10	Flatwasher 5/16"	
205	0641520	2	Bolt 5/16"-18NC x 2 1/2"	
206	Not Used			
207	0100011	A/R	Loctite #242	
208	4641051	2	Valve, Flow Divider 4WD	
	7020047	1	Cartridge (1 Per Valve)	
	7020051	1	Seal Kit	
	7020048	1	Plug, Orifice	
209	4060808	A/R	Flex Trim	
210	4060807	1.6ft/.49m	Flex Trim (Prior to S/N 67821)	

SECTION 1 FRAME

FIGURE 1-2. 4WD FRONT AXLE AND STEERING INSTALLATIONS (S/N 85132 TO PRESENT)



SECTION 1 FRAME

FIGURE 1-2. 4WD FRONT AXLE AND STEERING INSTALLATIONS (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	FRAME WELDMENT OPTIONS:	
	2360699	1	Frame Weldment (4WD) - Model 601S	
	2360706	1	Frame Weldment (4WD) - Model 601S With a "Enhanced Hostile Environment Package"	
	0273081	Ref.	AXLE INSTALLATIONS - OSCILLATING	F
1	0100011	A/R	Loctite #242	
2	0641814	8	Bolt 1/2"-13NC x 1 3/4"	
3	0642012	1	Bolt 5/8"-11NC x 1 1/2"	
4	0961950	2	Bearing	
5		2	Lockout Cylinder Assembly Options (See Section 5 for Breakdown):	
	1684280		Prior to S/N 89729	
	1684465		S/N 89729 to Present	
6	3422592	1	Pin, Pivot	
7	3841258	1	Keeper, Pin	
8	4740158	1	Thrustwasher	
9	4846814	1	Axle Weldment	
10	4891800	8	Flatwasher 1/2" Hardened	
11	Not Used			
12	0100038	A/R	Primer #7471	
	0273226	Ref.	AXLE INSTALLATIONS - FIXED	A
101	0100011	A/R	Loctite #242	
102	0642012	1	Bolt 5/8"-11NC x 1 1/2"	
103	0961950	2	Bearing	
104	3422592	1	Pin, Pivot	
105	3539877	2	Plate, Stop	
106	3539878	2	Plate, Stop	
107	3841258	1	Keeper, Pin	
108	3931840	2	Screw 1/2"-13NC x 2 1/2"	
109	4070944	4	Shim (.06)	
110	4070945	4	Shim (.25)	
111	4740158	1	Thrustwasher	
112	4846814	1	Axle Weldment	
	0273080		STEERING INSTALLATIONS	E
201	0100011	A/R	Loctite #242	
202	0641608	6	Bolt 3/8"-16NC x 1"	
203	Not Used			
204	0642012	2	Bolt 5/8"-11NC x 1 1/2"	
205	0961977	2	Bushing	
206	0962131	4	Bearing	
207	1683208	2	Steer Cylinder Assembly (See Section 5 for Breakdown)	
208	3422326	2	Pin, Steer Cylinder	
209	3422900	2	Kingpin	

SECTION 1 FRAME

FIGURE 1-2. 4WD FRONT AXLE AND STEERING INSTALLATIONS (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
210	3422902	2	Pin, Steer Cylinder	
211	3422903	2	Pin, Tie-Rod	
212	3841143	6	Shaft, Keeper	
213	3841258	2	Shaft, Keeper	
214	3841510	1	Tie-Rod	
215	4130394	1	Spindle - Left Side	
216	4130395	1	Spindle - Right Side	
217	4740111	6	Thrustwasher	
218	4740256	2	Thrustwasher	
219	4740263	2	Thrustwasher	

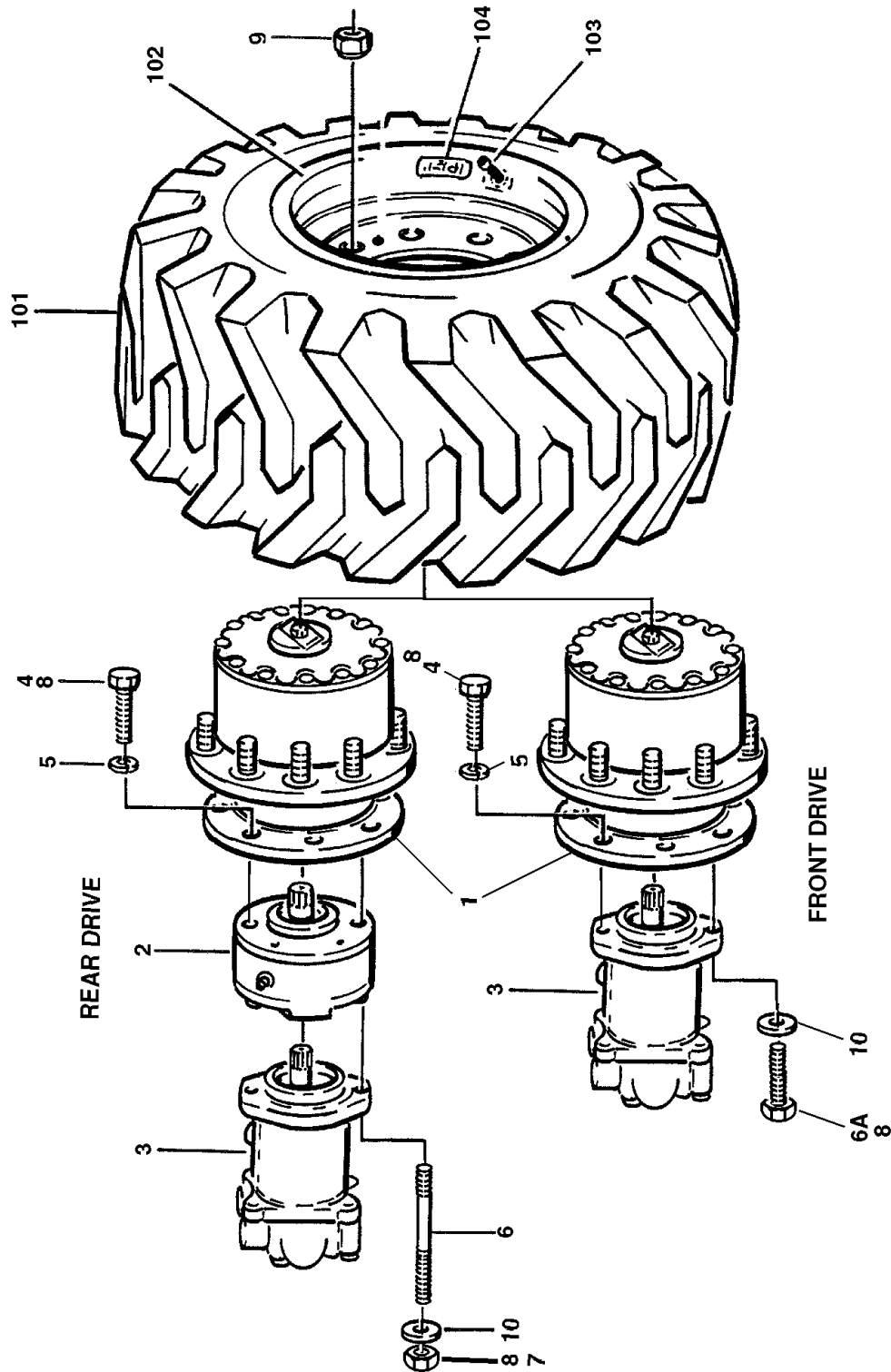
SECTION 1 FRAME

FIGURE 1-2. 4WD FRONT AXLE AND STEERING INSTALLATIONS (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 1 FRAME

FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS (PRIOR TO S/N 85132)



SECTION 1 FRAME

FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	WHEEL DRIVE INSTALLATION (4WD) OPTIONS:	
	0257907	Ref.	Prior to S/N 56791	4/C
	0270126	Ref.	S/N 56791 to S/N 65218	1/A
	0271684	Ref.	S/N 65218 to S/N 85132	2/B
1		4	Drive Hub Assembly Options: Prior to S/N 65218 (See Figure 1-5 for Breakdown) S/N 65218 to S/N 85132 (See Figure 1-6 for Breakdown)	
2		2	Drive Brake Assembly Options (See Figure 1-8 for Breakdown): Prior to S/N 56791 S/N 56791 to S/N 85132	
3		4	Drive Motor Assembly (See Figure 1-9 for Breakdown)	
		Ref.	Note: Adjustment required when replacing complete motor. (See Service Manual for Adjustments)	
4	0682016	32	Bolt 1/2"-11NC x 2" (Grade 8)	
5	4712000	32	Flatwasher 5/8"	
6	4300092	4	Stud (2 Per Wheel) (Prior to S/N 56791)	
	4300097	4	Stud (2 Per Wheel) (S/N 56791 to S/N 85132)	
6A	0641811	4	Bolt 5/8"-13NC x 3/4" (2 Per Wheel)	
7	3311801	4	Nut 1/2"-13NC (2 Per Wheel)	
8	0100011	A/R	Loctite #242	
9	3300106	32	Nut, Wheel	
10	4891800	8	Flatwasher 1/2"	
			TIRE AND WHEEL INSTALLATIONS	
	0255420	Ref.	14-17.5 Pneumatic (Prior to S/N 65351)	—
	0271612	Ref.	14-17.5 Pneumatic (S/N 65351 to S/N 85132)	1
	0255421	Ref.	14-17.5 Foam-Filled (Prior to S/N 65351)	—
	0271613	Ref.	14-17.5 Foam-Filled (S/N 65351 to S/N 85132)	1
	0255514	2	14-17.5 Pneumatic Left Side (Prior to S/N 65351)	
	0271608	2	14-17.5 Pneumatic Left Side (S/N 65351 to S/N 85132)	
	0255513	2	14-17.5 Pneumatic Right Side (Prior to S/N 65351)	
	0271609	2	14-17.5 Pneumatic Right Side (S/N 65351 to S/N 85132)	
	0255606	2	14-17.5 Foam-Filled Left Side (Prior to S/N 65351)	
	0271610	2	14-17.5 Foam-Filled Left Side (S/N 65351 to S/N 85132)	
	0255605	2	14-17.5 Foam-Filled Right Side (Prior to S/N 65351)	
	0271611	2	14-17.5 Foam-Filled Right Side (S/N 65351 to S/N 85132)	
			Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation & Safety or Service & Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire & wheel assembly, otherwise, purchase complete assembly.	
101		1	Tire 14-17.5 Options: Prior to S/N 65351 S/N 65351 to S/N 85132	
	4520171			
	4520259			
102	4860158	1	Rim, Wheel	
103	4640113	1	Valve, Air	

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FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
104	1702740	1	Decal - 95 PSI	

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FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-4. TIRE AND WHEEL DRIVE INSTALLATIONS (S/N 85132 TO PRESENT)

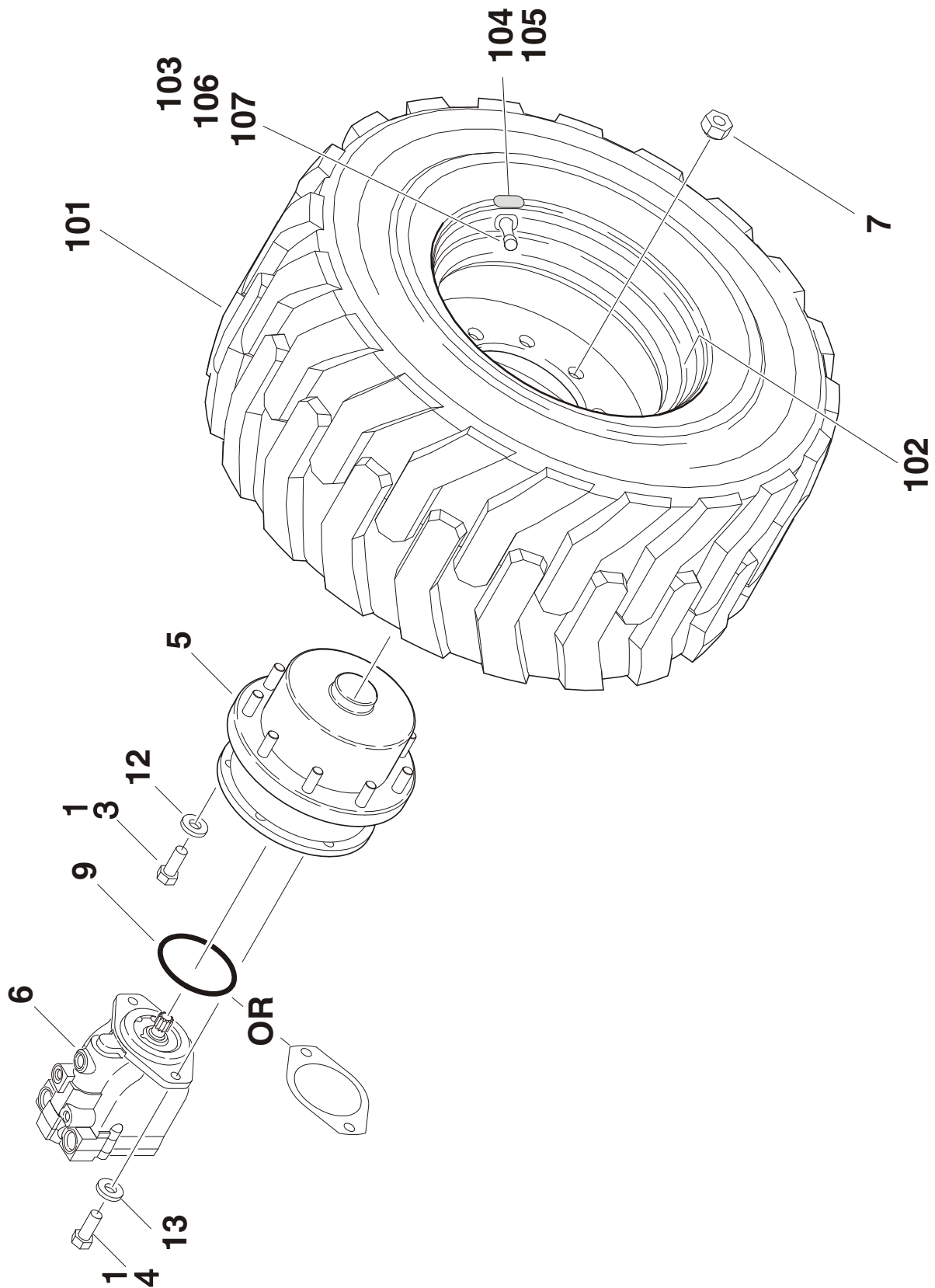


FIGURE 1-4. TIRE AND WHEEL DRIVE INSTALLATIONS (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0273048	Ref.	WHEEL DRIVE INSTALLATION (4WD)	J
1	0100011	A/R	Loctite #242	
2	Not Used			
3	0681810	8	Bolt 1/2"-13NC x 1 1/4" (Grade 8)	
4	0682016	24	Bolt 5/8"-11NC x 2" (Grade 8)	
5	2780269	4	Drive Hub Assembly (See Figure 1-7 for Breakdown)	
6	Use 3160350	4	Drive Motor Assembly (Prior to S/N 98765 p/n was 3160300 - See Figure 1-10 for Breakdown) (S/N 98765 to Present p/n 3160350 - See Figure 1-11 for Breakdown)	
7	3300106	36	Nut, Wheel	
8	Not Used			
9		4	Hardware Options:	
	3790045		O-Ring (Prior to S/N 102229)	
	3960526		Gasket (S/N 102229 to Present)	
10 to 11	Not Used			
12	4891800	8	Flatwasher 1/2"	
13	4740393	24	Flatwasher 5/8" Hardened	
			TIRE AND WHEEL INSTALLATIONS	
	4520328	Ref.	IN355/55D625 Pneumatic	1
	4520346	Ref.	IN355/55D625 Foam-Filled	1
			Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation & Safety or Service & Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire & wheel assembly, otherwise, purchase complete assembly.	
	4520289	2	IN355/55D625 Pneumatic Left Side	
	4520290	2	IN355/55D625 Pneumatic Right Side	
	4520344	2	IN355/55D625 Foam-Filled Left Side	
	4520345	2	IN355/55D625 Foam-Filled Right Side	
101	4520288	1	Tire 14-17.5 Options:	
102	4860287	1	Rim, Wheel	
103	4640113	1	Valve, Air	
104	1702740	1	Decal - 95 PSI	

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FIGURE 1-5. DRIVE HUB ASSEMBLY (PRIOR TO S/N 65218)

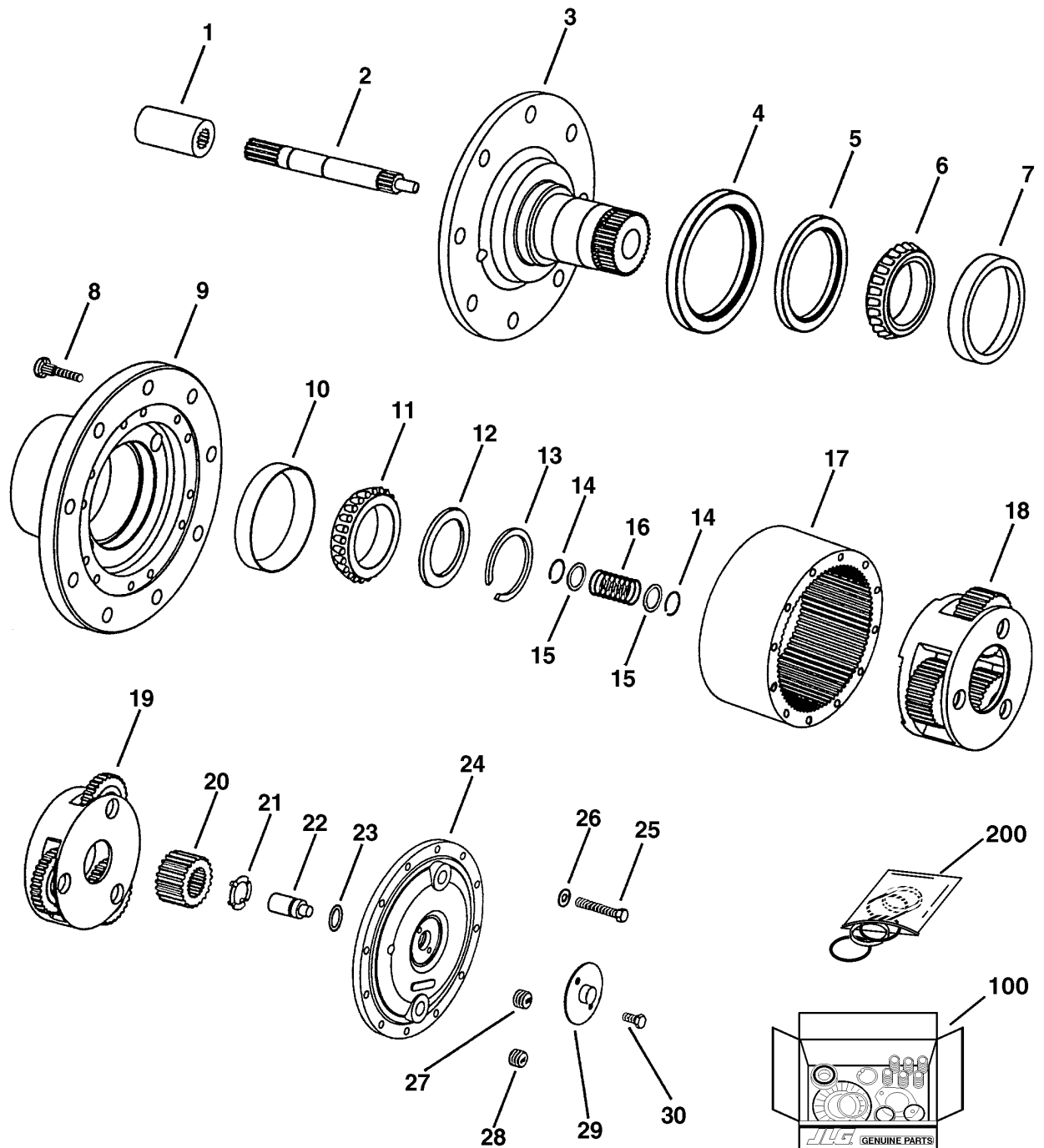


FIGURE 1-5. DRIVE HUB ASSEMBLY (PRIOR TO S/N 65218)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780213	Ref.	DRIVE HUB ASSEMBLY	B
1	7014700	1	Coupling - 13 Teeth	
2	7014701	1	Shaft, Input - 13 Teeth	
3	7014702	1	Spindle	
4	7014728	1	Seal, Boot	
5	7014703	1	Seal, Oil	
6	7014704	1	Cone, Bearing	
7	7014705	1	Cup, Bearing	
8	7014727	8	Bolt, Wheel	
9	7014706	1	Hub	
10	7014707	1	Cup, Bearing	
11	7014708	1	Cone, Bearing	
12	7001711	1	Thrustwasher	
13	7014709	1	Ring, Retaining Kit	
14	7014711	2	Ring, Retaining	
15	7014712	2	Thrustwasher	
16	7014710	1	Spring	
17	7014713	1	Gear, Ring	
18	7014714	1	Secondary Carrier Assembly	
19	7014715	1	Primary Carrier Assembly	
20	7014716	1	Gear, Sun - 15 Teeth	
21	7014722	1	Thrustwasher	
22	7014717	1	Plunger, Disengage	
23	7014718	1	O -Ring	
24	7014719	1	Cover, Hub	
25	7014721	12	Bolt	
26	7014720	12	Flatwasher	
27	7014725	1	Plug, Magnetic	
28	7014726	1	Plug, Pipe	
29	7014723	1	Cover, Disengage	
30	7014724	2	Bolt	

100	7014729	1	Bearing and Seal Kit (includes Items 5, 6,7,10,11 & 13)	
200	7014730	1	Seal Kit (includes Items 5 & 13)	

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FIGURE 1-6. DRIVE HUB ASSEMBLY (S/N 65218 TO S/N 85132)

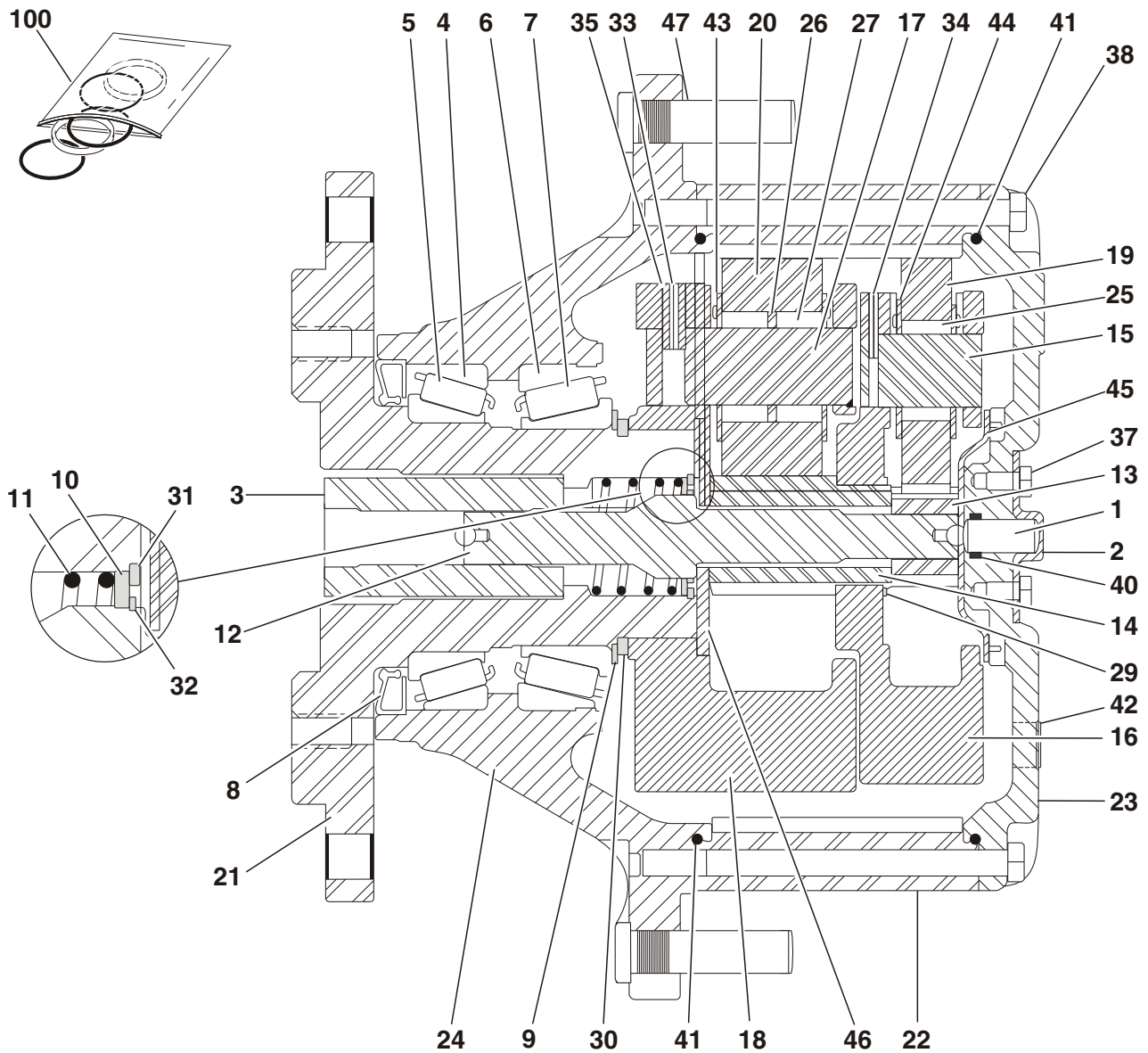


FIGURE 1-6. DRIVE HUB ASSEMBLY (S/N 65218 TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780252	Ref.	DRIVE HUB ASSEMBLY	B
1	7017029	1	Rod, Disengage	
2	7017093	1	Cover, Disengage	
3	7000290	1	Coupling	
4	7000272	1	Cup, Bearing	
5	7000273	1	Cone, Bearing	
6	7000274	1	Cup, Bearing	
7	7000275	1	Cone, Bearing	
8	7000236	1	Seal, Lip	
9	7000239	1	Thrustwasher	
10	7000282	1	Thrustwasher	
11	7000283	1	Spring	
12	7024157	1	Shaft, Input	
13	7024158	1	Gear, Sun	
14	7024159	1	Gear, Sun	
15	7024160	3	Shaft, Planet	
16	7024161	1	Carrier	
17	7024162	3	Shaft, Planet	
18	7024163	1	Carrier (Make Version)	
19	7024164	3	Gear, Planet (Make Version)	
20	7024165	3	Gear, Planet (Make Version)	
21	7024166	1	Spindle (Make Version)	
22	7024167	1	Gear, Ring	
23	7024168	1	Cover, Plate	
24	7024169	1	Housing	
25	7024170	57	Bearing, Needle	
26	7024171	3	Thrustwasher	
27	7024172	108	Bearing, Needle	
28	Not Used			
29	7024173	1	Ring, Retaining - Ext	
30	7000240	1	Ring, Retaining - Ext	
31	7000284	1	Ring, Retaining - Int	
32	7000285	1	Ring, Retaining - Ext	
33	7001906	3	Pin, Roll	
34	7024174	3	Pin, Roll	
35	7024175	3	Pin, Spring	
36	7017047	2	Pin, Dowel (Not Shown)	
37	7000216	2	Bolt 1/4"-20NC x 1/2"	
38	7024176	20	Bolt 3/8"-16NC x 5 1/2" (Grade 8)	
39	Not Used			
40	7000213	1	O -Ring	
41	7024177	2	O -Ring	
42	7017094	2	Plug, Pipe	
43	7024178	6	Thrustwasher	
44	7024179	6	Thrustwasher	
45	7024180	1	Spacer, Thrust	
46	7024181	1	Thrustwasher	
47	7007640	8	Stud, Wheel	

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FIGURE 1-6. DRIVE HUB ASSEMBLY (S/N 65218 TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
100	7024745	1	Seal Kit - 2780252 Drive Hub	

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FIGURE 1-6. DRIVE HUB ASSEMBLY (S/N 65218 TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-7. DRIVE HUB ASSEMBLY (S/N 85132 TO PRESENT)

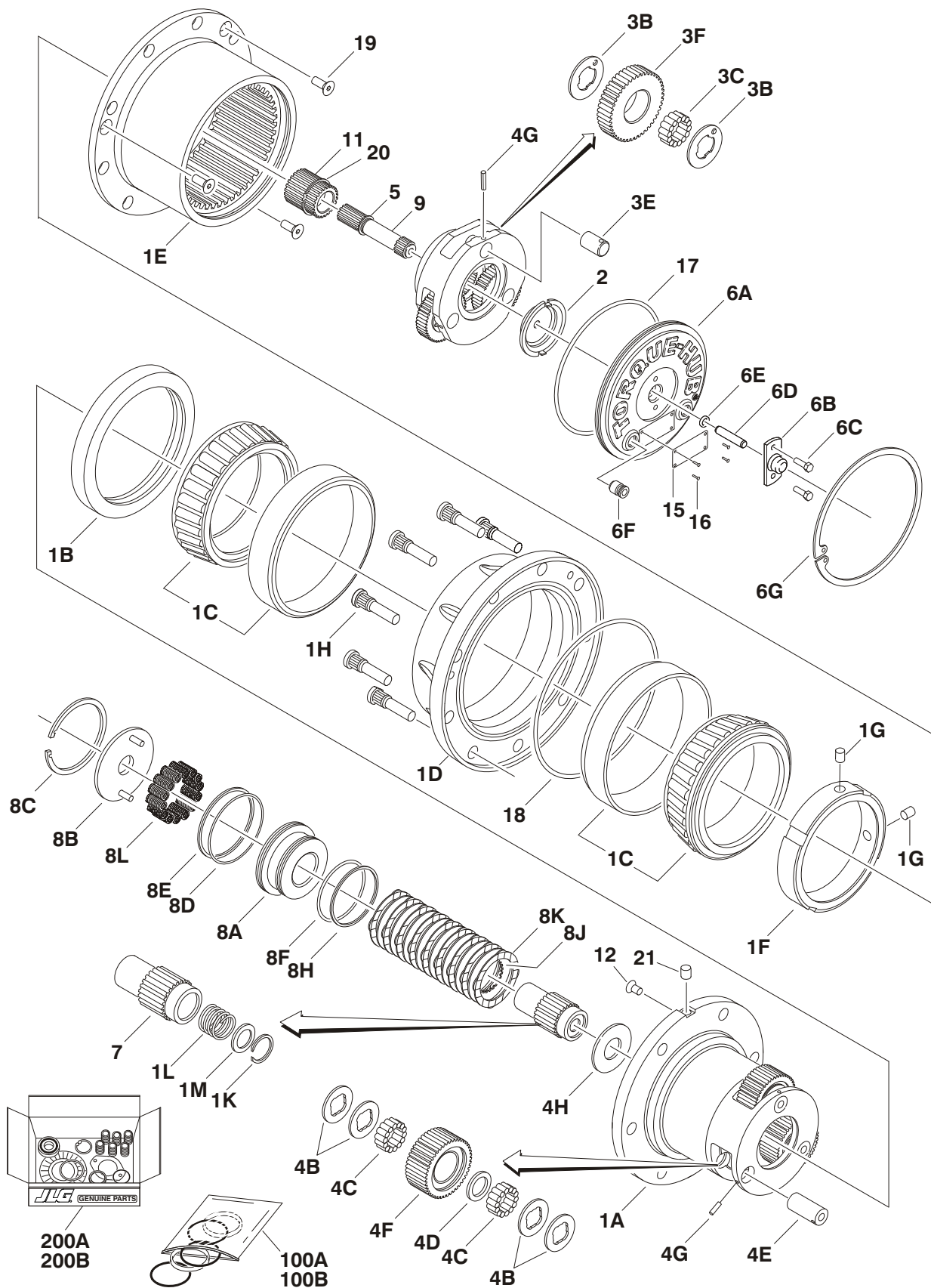


FIGURE 1-7. DRIVE HUB ASSEMBLY (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780269	Ref.	DRIVE HUB/BRAKE ASSEMBLY	B
1	Not Available	1	Spindle/Housing Assembly	
1A	7024729	1	Spindle	
1B	70001119	1	Seal	
1C	7024735	2	Bearing (Includes Cup and Cone)	
1D	Not Available	1	Housing	
1E	7024730	1	Ring, Gear	
1F	Use Item 100A	1	Nut, Bearing	
1G	See Note	2	Setscrew 1/4"-28NF x 1/2" (Note: Part of Items 100A, 100B, 200A & 200B)	
1H	7024732	9	Stud, Wheel	
1J	Not Used			
1K	7024125	1	Ring, Retaining	
1L	7024124	1	Spring	
1M	7024129	1	Thrustwasher	
2	7024741	1	Thrustwasher	
3	Not Available	1	Carrier Assembly	
3A	7024725	1	Carrier	
3B	7024127	6	Thrustwasher	
3C	7024733	42	Bearing, Needle	
3D	Not Used			
3E	7024724	3	Shaft, Planet	
3F	7024727	3	Gear, Planet	
4	Not Available	1	Planet Gear Sub-Assembly	
4A	Not Used	1		
4B	7024740	12	Thrustwasher	
4C	7024734	84	Bearing, Needle	
4D	7024736	3	Spacer, Thrust	
4E	7024726	3	Shaft, Planet	
4F	7024728	3	Gear, Planet	
4G	7001913	6	Rollpin	
4H	7024742	1	Thrustwasher	
5	7017027	1	Ring, Retaining	
6	Not Available	1	Cover Assembly	
6A	7024731	1	Plate, Cover	
6B	7017093	1	Cap, Disengage	
6C	7000216	2	Bolt 1/2"-20NC x 1/2"	
6D	7024739	1	Pin, Dowel	
6E	7017095	1	O-Ring	
6F	7017072	2	O-Ring	
6G	7024738	1	Ring, Retaining	
7	7024722	1	Coupling	
8	Not Available	1	Brake, Input	
8A	70000782	1	Piston, Brake	
8B	7024743	1	Plate, Pressure	
8C	See Note	1	Ring, Retaining (Note: Use Item 100B, 200A or 200B)	
8D	See Note	1	O-Ring (Note: Use Item 100B or 200A)	
8E	See Note	1	Ring, Back-up (Note: Use Item 100B or 200A)	

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FIGURE 1-7. DRIVE HUB ASSEMBLY (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
8F	See Note	1	O-Ring (Note: Use Item 100B or 200A)	
8G	Not Used			
8H	See Note	1	Ring, Back-up (Note: Use Item 100B or 200A)	
8J	Use Item 200A	1	Rotor, Brake	
8K	Use Item 200A	1	Stator, Brake	
8L	Use Item 200B	1	Spring, Brake	
9	7024721	1	Shaft, Input	
10	Not Used			
11	7024723	1	Gear, Sun	
12	Not Available	1	Plug	
13 to 14	Not Used			
15	Not Available	1	Plate, ID (Not Shown)	
16	7000281	4	Screw, Drive	
17	7024134	1	O-Ring	
18	Use Item 100A	1	O-Ring	
19	7017022	3	Screw, Countersunk 3/8"-16NC	
20	7024737	1	Ring, Retaining	
21	Not Available	1	Plug	

100		A/R	Seal Kit Options:	
100A	7024744	1	Hub Seal Kit - Hub (Includes Items 1B, 1F, 1G, 17, 18 & 19)	
100B	7024765	1	Brake Seal Kit (Includes Items 1G,8C,8D,8E,8F & 8H)	
200		A/R	Seal Kit Options:	
200A	7024764	1	Brake Lining Kit (Includes Items 1G,8C,8D,8E,8F,8H,8J & 8K)	
200B	7024766	1	Brake Spring Kit (Includes Items 1G,8C & 8L)	

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FIGURE 1-7. DRIVE HUB ASSEMBLY (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-8. DRIVE BRAKE ASSEMBLY (PRIOR TO S/N 85132)

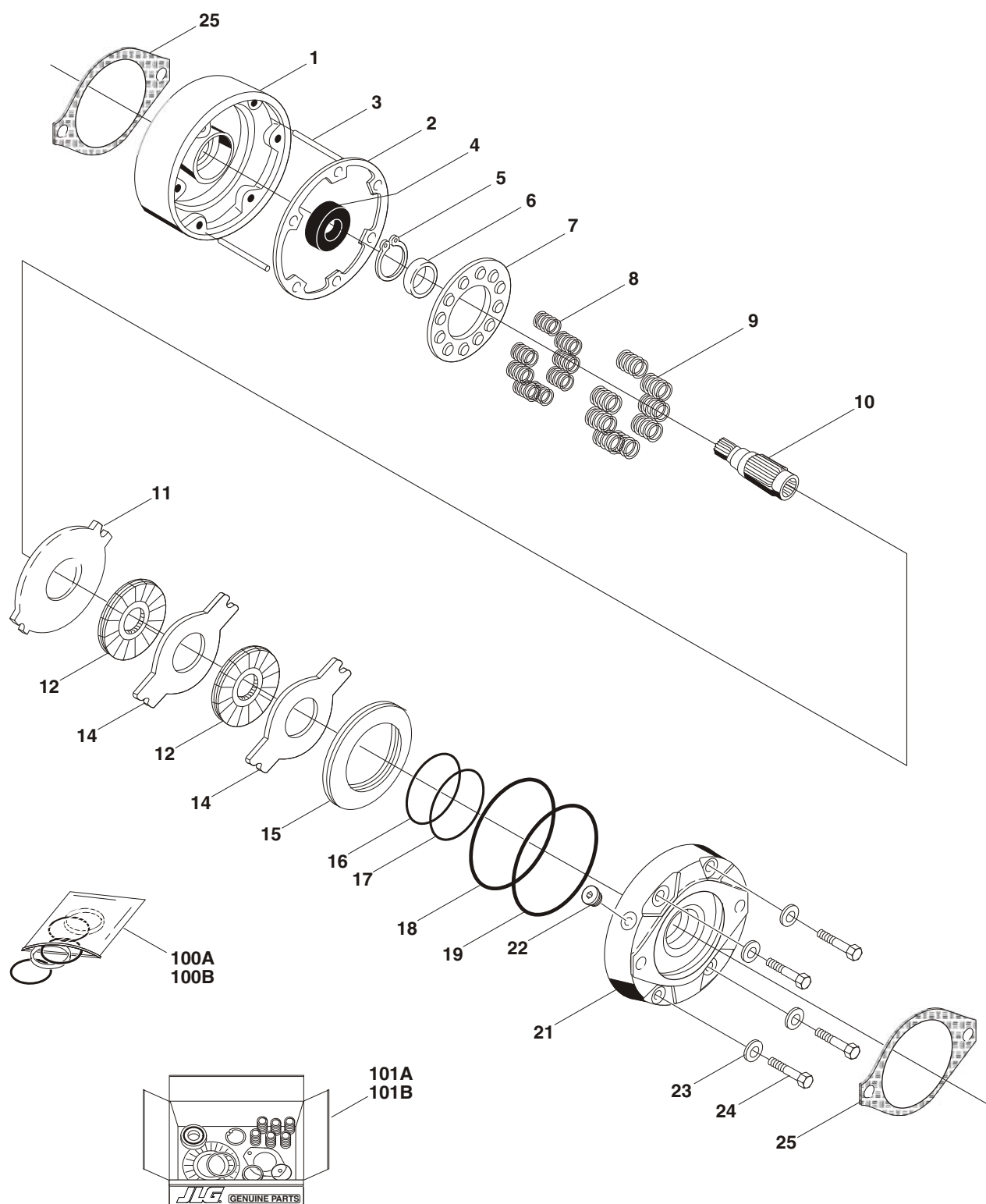


FIGURE 1-8. DRIVE BRAKE ASSEMBLY (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0920112	Ref.	DRIVE BRAKE ASSEMBLY (PRIOR TO S/N 56791)	B
1	7003451	1	Housing	
2	7003452	1	Gasket	
3	7003094	2	Pin, Torque	
4	7003049	1	Bearing, Ball	
5	7003453	1	Ring, Retaining	
6	7003050	1	Seal	
7	7003454	1	Retainer, Spring	
8	7000798	10	Spring, Compression (Small)	
9	7000782	10	Spring, Compression (Large)	
10	7003455	1	Shaft	
11	7003456	1	Disc, Primary	
12	7003457	2	Disc, Rotating	
13	Not Used			
14	7003459	2	Disc, Stationary	
15	7003460	1	Piston	
16	7000722	1	Ring, Back-Up	
17	7000723	1	O-Ring	
18	7000724	1	Ring, Back-Up	
19	7000725	1	O-Ring	
20	7000796	1	Screw, Bleeder	
21	7003461	1	Plate, Power	
22	7000728	1	Plug, Protective	
23	7003462	4	Flatwasher 1/2"	
24	7003463	4	Bolt 1/2"-13NC	
25	7000731	2	Gasket	
	0920117	Ref.	DRIVE BRAKE ASSEMBLY (NOT SHOWN) (S/N 56791 TO S/N 85132)	B
	7000731	2	Gasket (Between Hub/Brake & Brake/Motor)	
		Ref.	Note: Face Mounting Gasket & Repair Kit are the only items available.	
		Ref.	KIT OPTIONS	
100		1	Seal Kit Options:	
100A	Not Available		Seal Kit - 0920112 Brake (Prior to S/N 56791) (Purchase Individual Components)	
100B	Not Available		Seal Kit - 0920117 Brake (S/N 56791 to S/N 85132) (Purchase Repair Kit p/n 7018612)	
101		1	Repair Kit Options:	
101A	Not Available		Repair Kit - 0920112 Brake (Prior to S/N 56791) (Purchase Individual Components)	
101B	70001800		Repair Kit - 0920117 Brake (S/N 56791 to S/N 85132) (Includes Case Seal, Piston Inner & Outer O-Rings & Back-up Rings, Stator Disc, Rotor Disc, Return Plate, Springs, Oil Seal, Bearing, 2 Retaining Rings & 2 Mounting Face Gaskets)	

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FIGURE 1-9. DRIVE MOTOR ASSEMBLY (PRIOR TO S/N 85132)

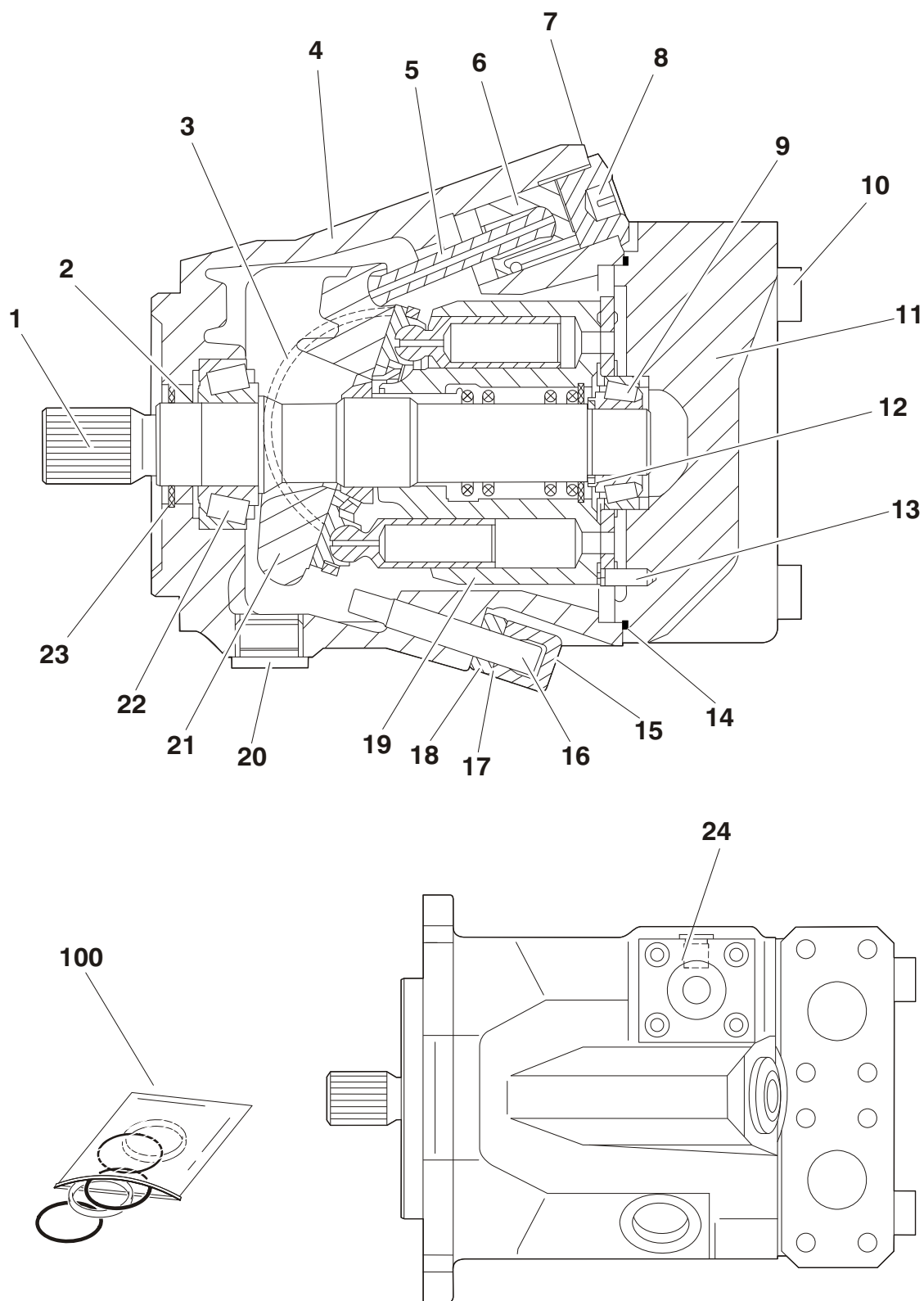


FIGURE 1-9. DRIVE MOTOR ASSEMBLY (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160204	Ref.	DRIVE MOTOR ASSEMBLY	A
1	7012701	1	Shaft - 13 Teeth	
2	Use Item 100	1	Seal, Shaft	
3	7012702	2	Bearing, Cradle	
4	Not Available	1	Housing	
5	7012703	1	Rod, Piston	
6	7012704	1	Piston, Stroking	
7	Use Item 100	1	O-Ring	
8	7012705	1	Nut, Adapter	
9	7012706	1	Bearing, Roller	
10	7012707	4	Bolt, Metric Socket Head M12 x 65	
11	7012708	1	Block, Port	
12	7012709	1	Shim	
13	7012710	1	Pin, Dowel M6 x 18	
14	Use Item 100	1	O-Ring	
15	7012711	1	Nut, Cap M10 x 1	
16	7012712	1	Screw, Adjusting	
17	Use Item 100	2	O-Ring	
18	7012713	1	Nut, Jam M10 x 1	
19	7012716	1	Rotary Group Kit (Includes Item 21)	
20	Not Available	1	Plug	
21	Use 7012716	1	Plate, Swash (Not Available Separately - Must Purchase Item 19)	
22	7012714	1	Bearing, Roller	
23	7012715	1	V-Ring	
24	7012700	1	Control Plate Assembly (Prior to S/N 29852 -----)	
100	2900788	1	Seal Kit (Includes Items 2,7,14,17 and O-Rings under Item 24)	

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FIGURE 1-10. DRIVE MOTOR ASSEMBLY (4 BOLT ASSEMBLY) (S/N 85132 TO S/N 98765)

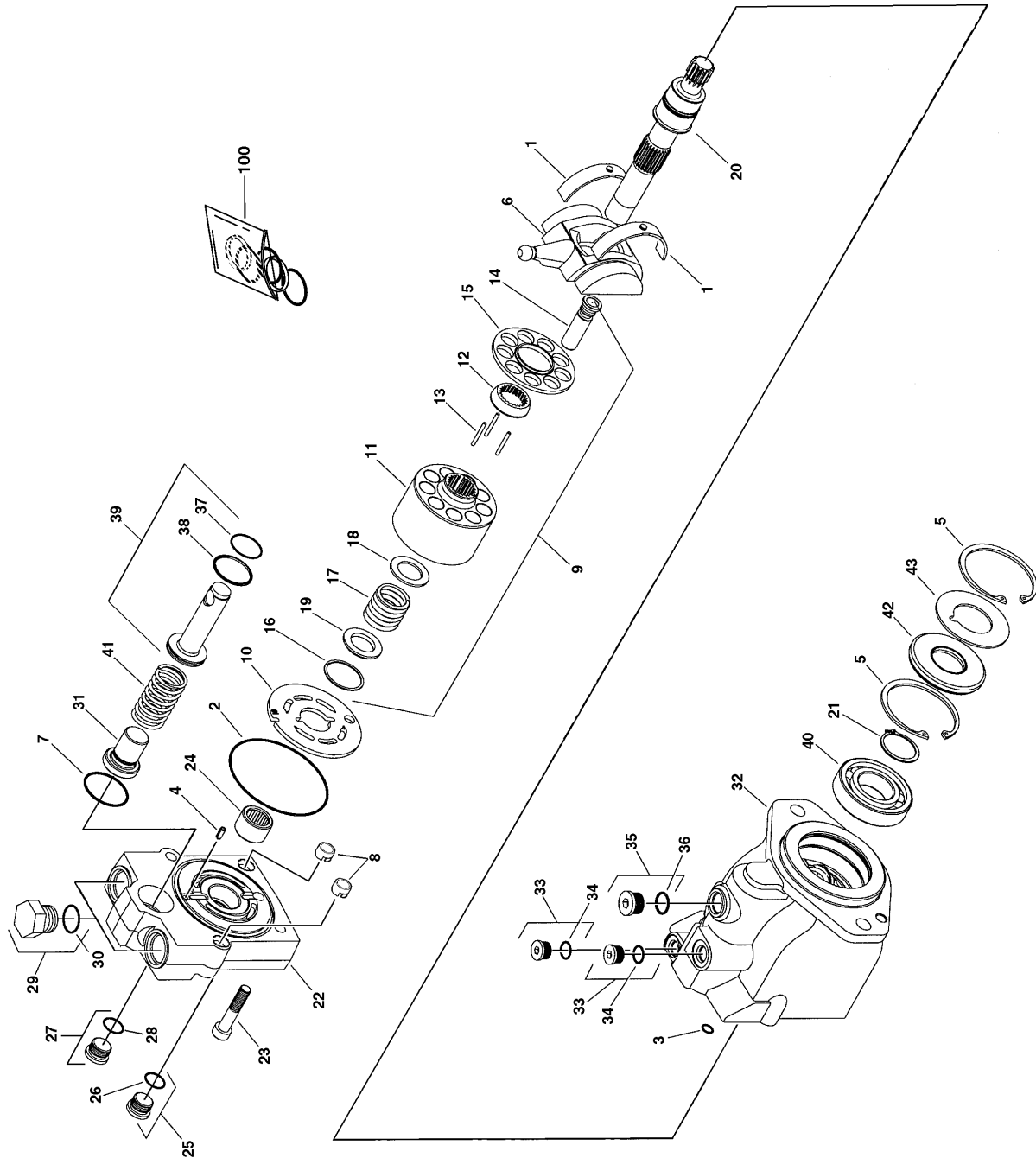


FIGURE 1-10. DRIVE MOTOR ASSEMBLY (4 BOLT ASSEMBLY) (S/N 85132 TO S/N 98765)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160300	Ref.	DRIVE MOTOR ASSEMBLY	E
1	7022302	2	Bearing, Journal	
2	Use Item 100	1	O-Ring	
3	Use Item 100	1	O-Ring	
4	7007446	1	Pin	
5	7007438	2	Ring, Retaining	
6	7024861	1	Swashplate	
7	Use Item 100	1	O-Ring	
8	7007435	2	Pin	
9	7022320	1	Cylinder Block Kit (Includes Items 11-19)	
10	7024862	1	Plate, Valve	
11	7024863	1	Block, Cylinder	
12	7024864	1	Guide, Slipper Retainer	
13	7021275	3	Pin, Slipper Hold Down	
14	7024865	9	Piston Assembly	
15	7024866	1	Retainer, Slipper	
16	7022311	1	Ring, Retaining	
17	7024867	1	Spring	
18	7024868	1	Washer	
19	7022314	1	Retainer, Spring	
20	7023910	1	Shaft	
21	7007439	1	Ring, Retaining	
22	7024869	1	Cap, End - Axial	
23	7022368	4	Screw	
24	7021249	1	Bearing, Needle	
25	7022321	1	Plug (Includes Item 26)	
26	Use Item 100	1	O-Ring	
27	7022318	1	Plug (Includes Item 28)	
28	Use Item 100	1	O-Ring	
29	7027419	2	Plug (Includes Item 30)	
30	Use Item 100	2	O-Ring	
31	7022372	1	Seat, Spring	
32	7022370	1	Housing	
33	7022318	2	Plug (Items Item 34)	
34	Use Item 100	2	O-Ring	
35	7022321	1	Plug (Items Item 36)	
36	Use Item 100	1	O-Ring	
37	Use Item 100	1	O-Ring	
38	Use Item 100	1	Ring, Seal	
39	7024871	1	Piston, Servo	
40	7007437	1	Bearing	
41	7022326	1	Spring	
42	Use Item 100	1	Seal, Lip	
43	7022371	1	Washer, Support	
100	7022328	1	Seal Kit (Includes Items 2,3,7,26,28,30,34,36,37,38 and 42)	

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FIGURE 1-11. DRIVE MOTOR ASSEMBLY (5 BOLT ASSEMBLY) (S/N 98765 TO PRESENT)

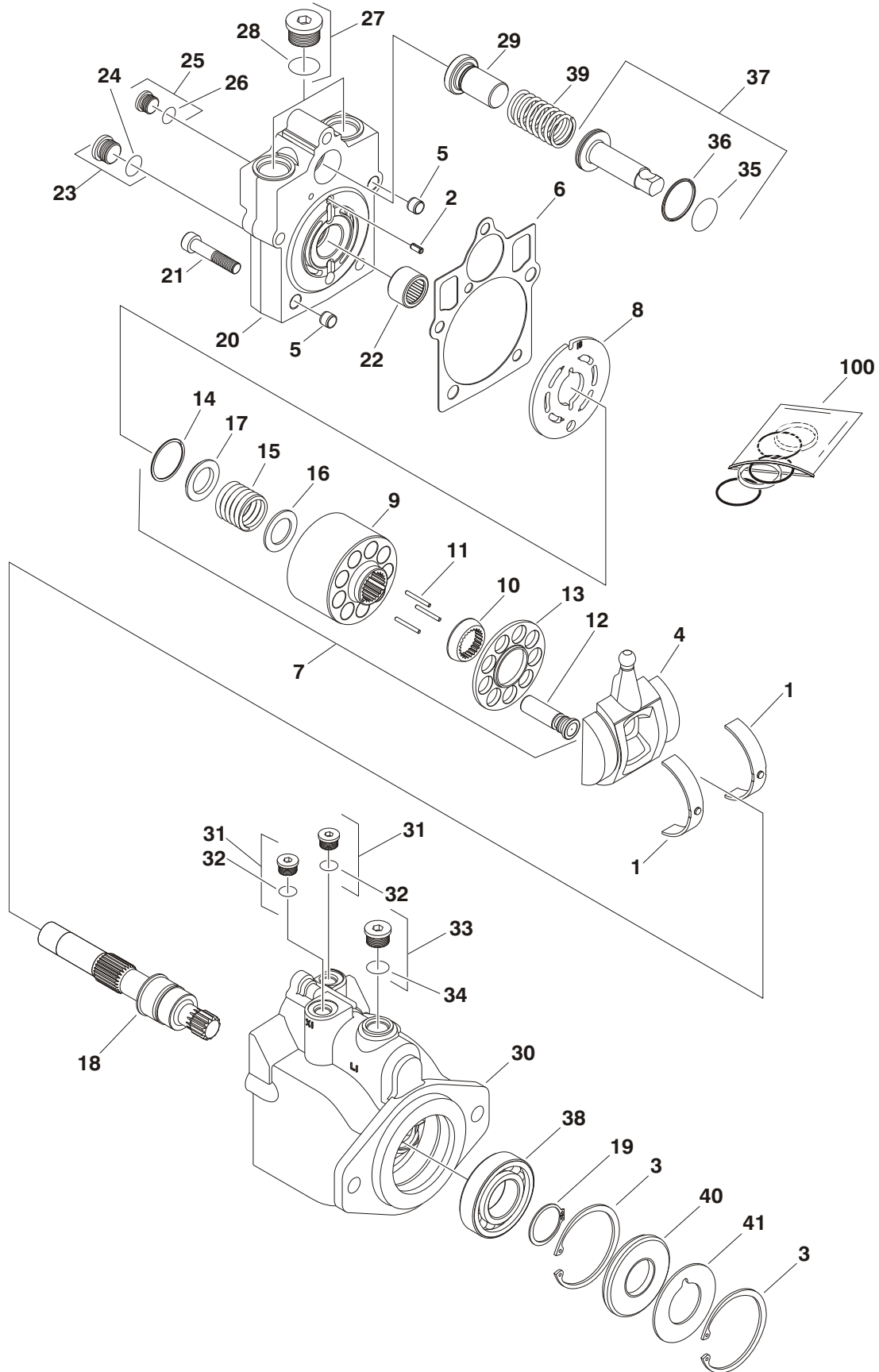


FIGURE 1-11. DRIVE MOTOR ASSEMBLY (5 BOLT ASSEMBLY) (S/N 98765 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160350	Ref.	DRIVE MOTOR ASSEMBLY	B
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	70000794	1	Swashplate	
5	Not Available	2	Pin	
6	Use Item 100	1	Gasket	
7	7027740	1	Cylinder Block Kit (Includes Items 9-17)	
8	7024862	1	Plate, Valve	
9	Not Available	1	Block, Cylinder	
10	Not Available	1	Guide, Slipper Retainer	
11	7021275	3	Pin, Slipper Hold Down	
12	7024865	9	Piston Assembly	
13	Not Available	1	Retainer, Slipper	
14	7022311	1	Ring, Retaining	
15	7024867	1	Spring	
16	7022313	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000795	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	Use Item 100	1	O-Ring	
25	2220883	1	Plug (Includes Item 26)	
26	Use Item 100	1	O-Ring	
27	7027419	2	Plug (Includes Item 28)	
28	Use Item 100	2	O-Ring	
29	7022372	1	Seat, Spring	
30	Not Available	1	Housing	
31	2220883	2	Plug (Items Item 32)	
32	Use Item 100	2	O-Ring	
33	2220886	1	Plug (Items Item 34)	
34	Use Item 100	1	O-Ring	
35	Use Item 100	1	O-Ring	
36	Use Item 100	1	Ring, Seal	
37	7024871	1	Piston, Servo	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	Use Item 100	1	Seal, Lip	
41	7022371	1	Washer, Support	
100	7022328	1	Seal Kit (Includes Items 6,24,26,28,32,34,35,36 and 40)	

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FIGURE 1-12. FRAME SHIELD INSTALLATION (PRIOR TO S/N 85132)

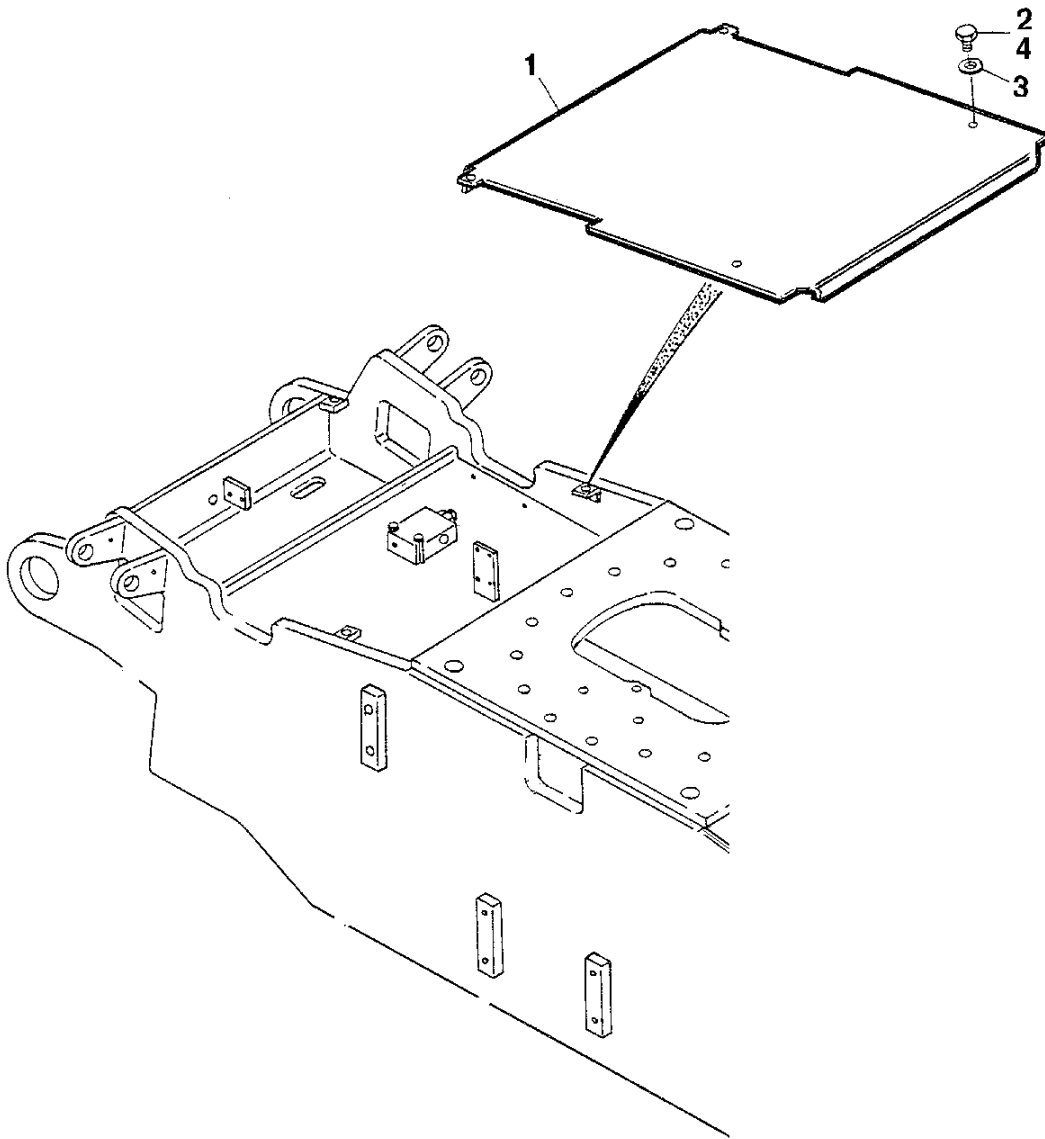
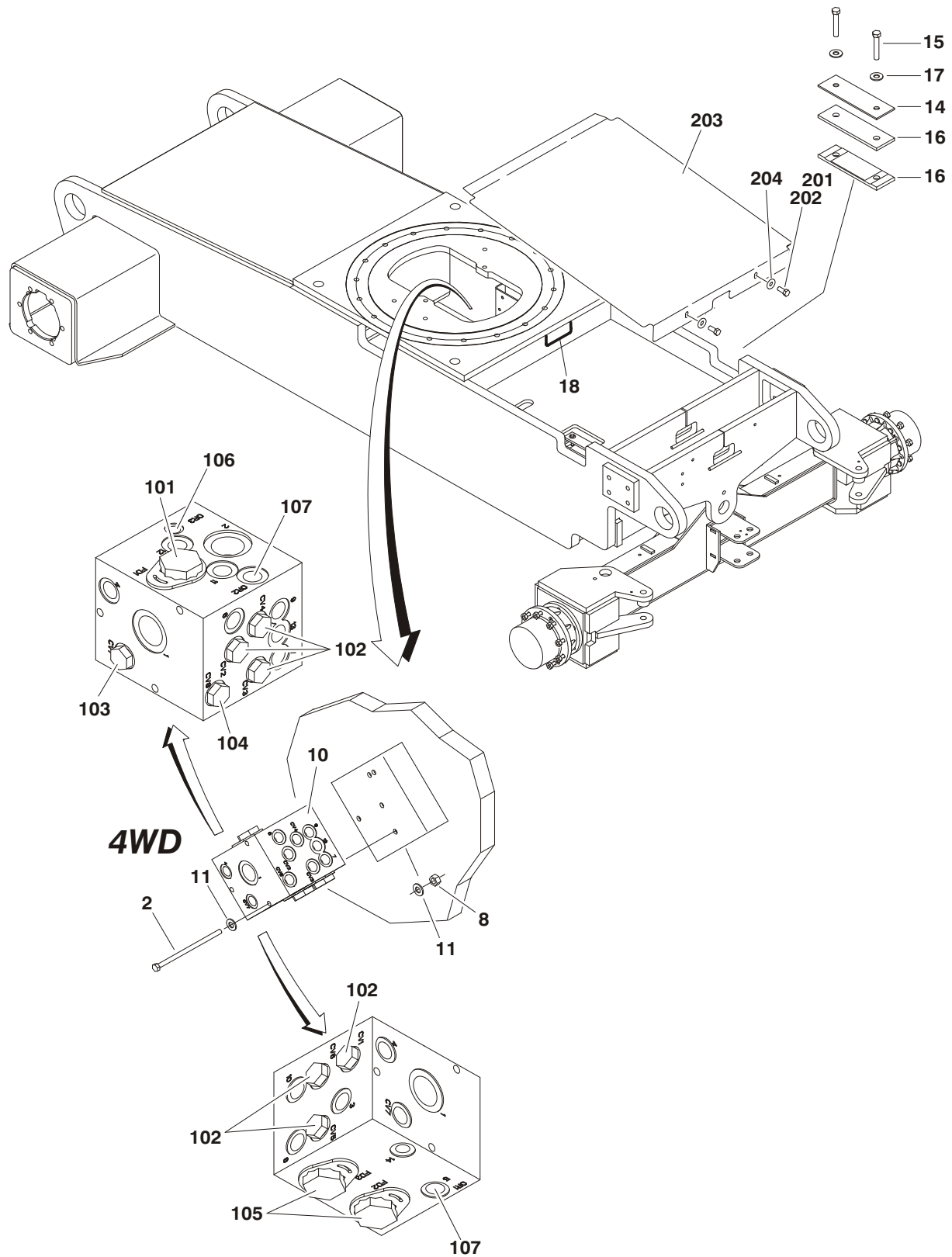


FIGURE 1-12. FRAME SHIELD INSTALLATION (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0257909	Ref.	FRAME SHIELD INSTALLATION	2
1	4060948	1	Shield, Frame - Front	
2	0641608	4	Bolt 3/8"-16NC x 1"	
3	4711600	4	Flatwasher 3/8" Narrow	
4	0100011	A/R	Loctite #242	

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FIGURE 1-13. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 85132 TO PRESENT)



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FIGURE 1-13. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0273048	Ref.	DRIVE VALVES INSTALLATION	J
1	Not Used			
2	0641552	3	Bolt 5/16"-18NC x 6 1/2"	
3 to 7	Not Used			
8	3311505	3	Locknut 5/16"-18NC	
9	Not Used			
10	4641410	1	Flow Divider Valve Assembly (See Items 101-107 for Breakdown)	
11	4711500	6	Flatwasher 5/16" Narrow	
12 to 13	Not Used			
14	0363012	2	Bar, Clamping	
15	0641618	4	Bolt 3/8"-16NC x 2 1/4"	
16	3340911	4	Rubber, Clamp	
17	4751600	4	Flatwasher 3/8"	
18	4060808	13in/33cm	Flex-Trim (Was p/n 4060807)	
		Ref.	FLOW DIVIDER ASSEMBLIES:	
	4641280	Ref.	Prior to S/N 86892	C
	4641410	Ref.	S/N 86892 to Present	A
101	7023933	1	Valve, Cartridge (Flow Divider)	
	7021625	1	Seal Kit - Flow Divider Cartridge	
102	7022397	6	Valve, Cartridge (Check)	
	7022399	6	Seal Kit - Check Cartridge	
103	7023935	1	Valve, Cartridge (Check)	
	7023936	1	Seal Kit - Check Cartridge	
104		1	Valve, Cartridge (Check) Options:	
	7024850		Prior to S/N 86892 (Used with p/n 4641280)	
	7024892		S/N 86892 to Present (Used with p/n 4641410)	
	7023936	1	Seal Kit - Check Cartridge	
105	7023917	2	Valve, Cartridge (Flow Divider)	
	7021625	2	Seal Kit - Flow Divider Cartridge	
106	70002063	1	Plug, Orifice	
107	70002064	2	Plug, Orifice	
	0273067	Ref.	FRAME SHIELDS INSTALLATION	A
201	0100011	A/R	Loctite #242	
202	0641607	A/R	Bolt, 3/8" - 16NC x 7/8"	
203	4061058	1	Shield, Frame - Front	
204	4751600	A/R	Flatwasher, 3/8"	

SECTION 1 FRAME

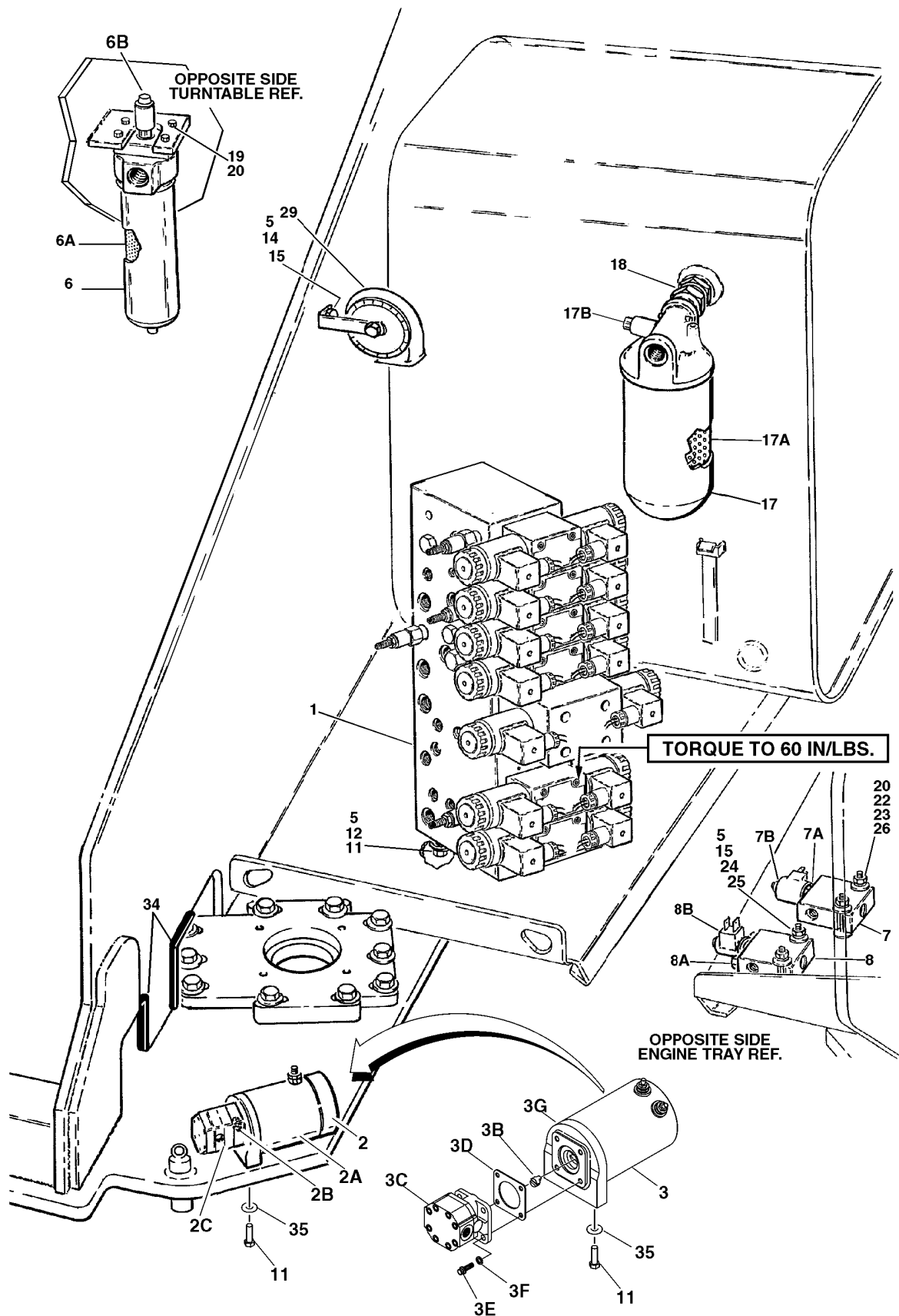
FIGURE 1-13. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2 TURNTABLE

SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS (PRIOR TO S/N 85132)



SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0257920	Ref.	CONTROL VALVES INSTALLATIONS	7
1		1	Main Control Valve Assembly Options (See Figure 2-3 for Break-down) Options:	
	4641031		Prior to S/N 40026	
	4641092		S/N 40026 to S/N 41267	
	4641098		S/N 41267 to S/N 85132	
2	3600243	1	Auxiliary Pump Assembly (Prior to S/N 70776)	
2A	7013755	1	Replacement Motor	
	7013799	1	Brush Kit - 7013755 Motor	
2B	7013711	1	Coupling	
2C	7013796	1	Replacement Pump	
	Not Available	1	Seal Kit (Purchase Individual Pieces)	
	7016700	1	Seal Oil	
	7016701	1	O-Ring	
	7016702	1	O-Ring	
3	3600365	1	Auxiliary Pump Assembly (S/N 70776 to S/N 85132)	
3A	Use 7004290	1	Replacement Motor with Endhead Item 3G (Was p/n 7011067)	
	7004248	1	Replacement Motor without Endhead Item 3G	
	7011065	1	Brush Kit - 7011067 Motor	
3B	7011063	1	Coupling	
3C	7011064	1	Replacement Pump	
	7011066	1	Seal Kit	
3D	7011044	1	Gasket	
3E	7011043	4	Bolt	
3F	7011048	4	Lockwasher	
3G	7011062	1	Endhead, Motor	
4	Not Used			
5	0100011	A/R	Loctite #242	
6		1	Pressure Filter Assembly Options:	
	Use 2120209		Prior to S/N 44387 (was p/n 2120163)	
	2120209		S/N 44387 to Present	
6A	2120150	1	Element, Filter (Used with 2120163)	
	2120210	1	Element, Filter (Used with 2120209)	
6B	7020020	1	Indicator, Clogged Filter	
6C	70000934	1	O-Ring Filter Bowl (Not Shown)	
7	4640907	1	Valve Assembly (Brake)	
7A	7012941	1	Cartridge Without Coil	
	7012907	1	Seal Kit - 7012941 Cartridge	
7B	7012944	1	Coil	
8	4640906	1	Solenoid Valve Assembly (2 Speed)	
8A	7023981	1	Cartridge without Coil	
	7012905	1	Seal Kit - 7023981 Cartridge	
8B	7012944	1	Coil	
8C	7017481	2	Cartridge, Check	
	7012972	1	Seal Kit - 7017481 Cartridge	
9 to 10	Not Used			
11	0641613	5	Bolt 3/8"-16NC x 1 5/8"	
12	4711600	3	Flatwasher 3/8" Narrow	

SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS (PRIOR TO S/N 85132) (CONTINUED)

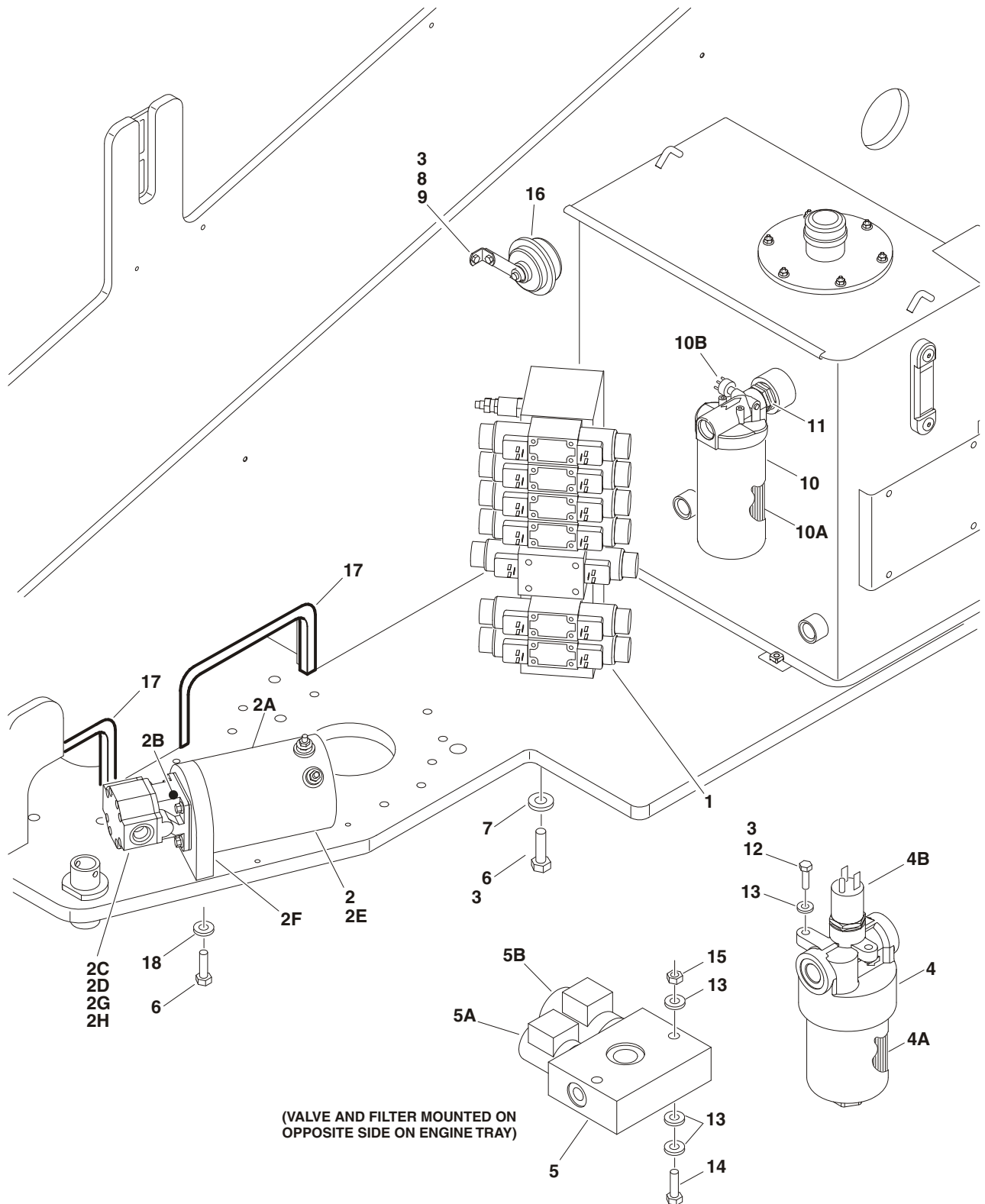
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
13	Not Used			
14	0641506	1	Bolt 5/16"-18NC x 3/4"	
15	4711500	3	Flatwasher 5/16" Narrow	
16	Not Used			
17	2120164	1	Return Filter Assembly	
17A	2120149	1	Element, Filter	
17B	7020021	1	Indicator, Clog	
18	2220893	1	Fitting, Adapter	
19	0651406	4	Bolt 1/4"-28NF x 3/4"	
20	4711400	8	Flatwasher 1/4" Narrow	
21	Not Used			
22	0641416	2	Bolt 1/4"-20NC x 2"	
23	4891400	4	Washer, Hardened 1/4"	
24	0641508	2	Bolt 5/16"-18NC x 1"	
25	4891500	2	Washer, Hardened 5/16"	
26	3311405	2	Locknut 1/4"-20NC	
27 to 28	Not Used			
29	0140001	1	Horn	
30 to 33	Not Used			
34	4060918	40in/1.04m	Flex-Trim	
35	4791600	2	Lockwasher, Star	

FIGURE 2-1. CONTROL VALVES INSTALLATIONS (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2 TURNTABLE

FIGURE 2-2. CONTROL VALVES INSTALLATIONS (S/N 85132 TO PRESENT)



SECTION 2 TURNTABLE

FIGURE 2-2. CONTROL VALVES INSTALLATIONS (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0274187	Ref.	CONTROL VALVES INSTALLATIONS	5
1		1	Main Control Valve Assembly Options (See Figure 2-4 for Break-down):	
	4641096	1	Prior to S/N 92880	
	Use 1001091303	1	S/N 92880 to S/N 0300101769 (was p/n 4641451	
	1001091303	1	S/N 0300101769 to Present	
2	3600365	1	Auxiliary Pump Assembly	B
2A	Use7004290	1	Replacement Motor with Endhead Item 2F (Was p/n 7011067)	
	7004248	1	Replacement Motor without Endhead Item 2F	
	7011065	1	Brush Kit - 7011067 Motor	
2B	7011063	1	Coupling	
2C	7011064	1	Replacement Pump	
	7011066	1	Seal Kit - 7011064 Pump	
	Not Available	1	Relief Valve (Replace Complete Pump)	
2D	7011043	4	Bolt (Mounts Pump to Mounting Bracket)	
2E	Not Available	2	Bolt (Motor to Bracket)	
2F	7011062	1	Endhead	
2G	7011044	1	Gasket	
2H	7011048	4	Lockwasher	
3	0100011	A/R	Loctite #242	
4	Use 2120209	1	Pressure Filter Assembly (was p/n 2120163)	
4A	2120150	1	Element, Filter (Used with 2120163)	
	2120210	1	Element, Filter (Used with 2120209)	
4B	7020020	1	Indicator, Clogged Filter	
4C	70000934	1	O-Ring Filter Bowl (Not Shown)	
5	Use 1001099391	1	Valve Assembly (2 Speed/Brake) (was p/n 4641108)	
5A		A/R	Cartridge & Coil Options:	
	7012974	1	Cartridge without Coil (4641108 Valve)	
	7010543	1	Seal Kit - 7012974 Cartridge (4641108 Valve)	
	7012941	1	Cartridge without Coil (1001099391 Valve)	
	7010543	1	Seal Kit - 7012941 Cartridge (1001099391 Valve)	
5B		A/R	Cartridge & Coil Options:	
	7012995	1	Cartridge without Coil	
	7012518	1	Seal Kit - 7012995 Cartridge	
	7012943	1	Coil	
6	0641613	5	Bolt 3/8"-16NC x 1 5/8"	
7	4711600	3	Flatwasher 3/8" Narrow	
8	0641506	1	Bolt 5/16"-18NC x 3/4"	
9	4711500	3	Flatwasher 5/16" Narrow	
10	2120164	1	Return Filter Assembly	
10A	2120149	1	Element, Filter	
10B	7020021	1	Indicator, Clog	
11	2220893	1	Fitting, Adapter	
12	0651406	A/R	Bolt 1/4"-28NF x 3/4"	
13	4711400	A/R	Flatwasher 1/4" Narrow	
14	0641416	2	Bolt 1/4"-20NC x 2"	
15	3311405	2	Locknut 1/4"-20NC	

SECTION 2 TURNTABLE

FIGURE 2-2. CONTROL VALVES INSTALLATIONS (S/N 85132 TO PRESENT) (CONTINUED)

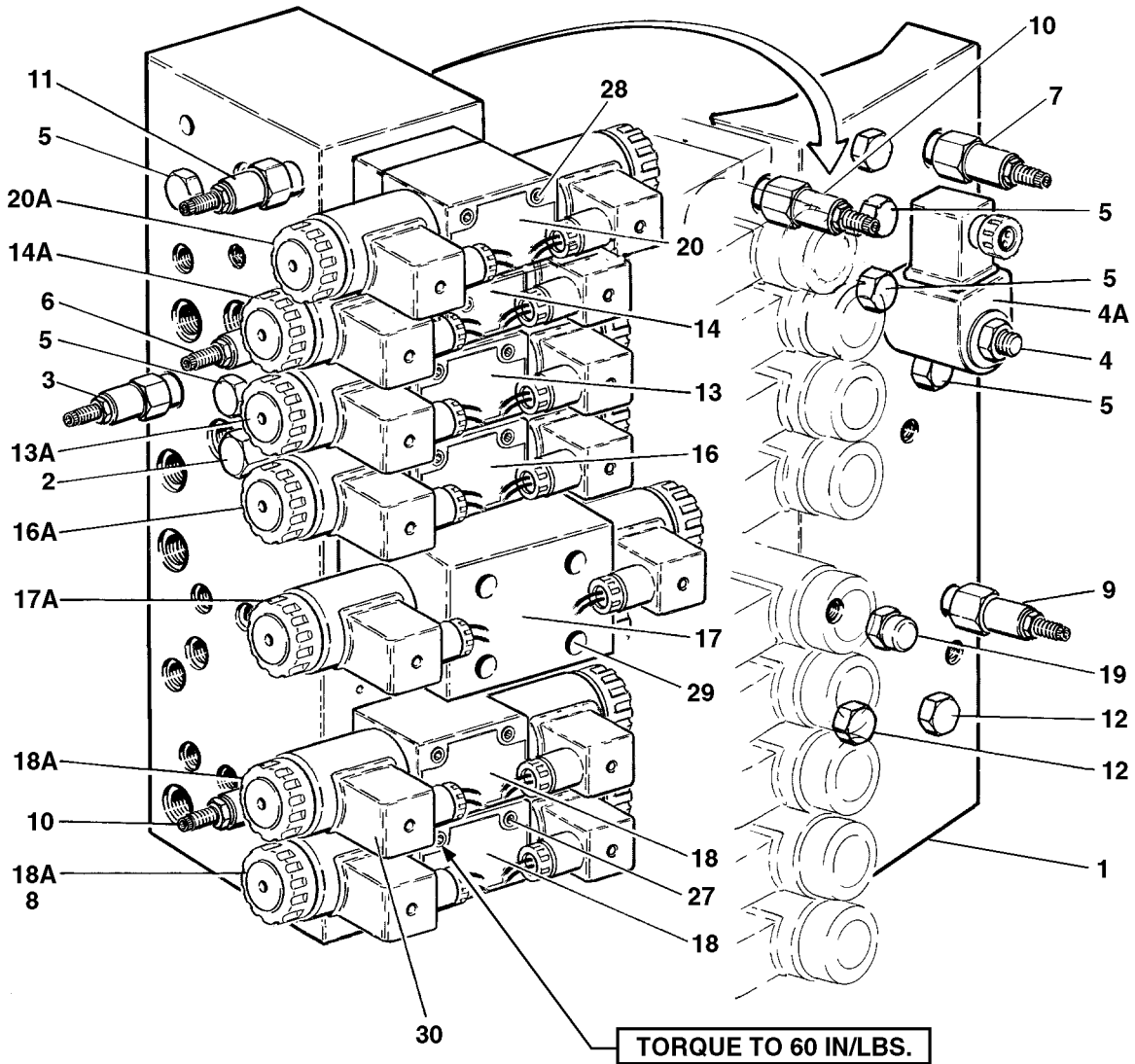
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
16	0140001	1	Horn	
17	4060918	40in/1.04m	Flex-Trim	
18	4791600	2	Lockwasher, Star	

FIGURE 2-2. CONTROL VALVES INSTALLATIONS (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2 TURNTABLE

FIGURE 2-3. MAIN CONTROL VALVE ASSEMBLY (PRIOR TO S/N 85132)



SECTION 2 TURNTABLE

FIGURE 2-3. MAIN CONTROL VALVE ASSEMBLY (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4641031	Ref.	MAIN CONTROL VALVE ASSEMBLY	A
	4641092	Ref.	Prior to S/N 40026	B
	4641098	Ref.	S/N 40026 to S/N 41267	C
			S/N 41267 to S/N 85132	
1	Not Serviced	1	Block	
2	7017411	1	Cartridge, Pressure Sensing	
	7012518	1	Seal Kit - 7017411 Cartridge	
3	7017418	1	Cartridge, Load Sensing (Main Lift)	
	7012998	1	Seal Kit - 7017418 Cartridge	
4	7017410	1	Cartridge, Load Sensing	
	7012967	1	Seal Kit - 7017410 Cartridge	
4A	7012944	1	Coil	
5	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542Cartridge	
6	7017420	1	Cartridge, Relief Valve	
	7012998	1	Seal Kit - 7017420 Cartridge	
7	7017423	1	Cartridge, Relief Valve	
	7012998	1	Seal Kit - 7017423 Cartridge	
8	7018941	1	Orifice	
9	7017427	1	Cartridge, Relief Valve	
	7012998	1	Seal Kit - 7017427 Cartridge	
10	7017428	2	Cartridge, Relief Valve	
	7012998	2	Seal Kit - 7017428 Cartridge	
11	7018985	1	Plug	
	Not Available	1	Plug, Hollow Seal	
12	7012914	2	Cartridge, Pilot Check	
	7012918	2	Seal Kit - 7012914 Cartridge	
13	7012775	1	Control Valve Assembly (Lift)	
	7012773	1	Seal Kit - 7012775 Valve	
13A	7012772	2	Coil	
	7018912	2	Nut	
14	7012775	1	Control Valve Assembly (Swing)	
	7012773	1	Seal Kit - 7012775 Valve	
14A	7012772	2	Coil	
	7018912	2	Nut	
15	Not Used			
16	7012770	1	Control Valve Assembly (Flow Control)	
	7012773	1	Seal Kit - 7012770 Valve	
16A	7012772	2	Coil	
	7018912	2	Nut	
17	Use 70000579	1	Control Valve Assembly (Tele) (was p/n 7012766)	
			Note: Refer to Vendor P/N on Valve Nameplate before ordering Parts. P/N 7012766 is RR00567495 or R900567495. P/N 70000579 is R900930080.	
		1	Seal Kit Options:	
	7012769		7012766 Valve	
	70000583		70000579 Valve	

SECTION 2 TURNTABLE

FIGURE 2-3. MAIN CONTROL VALVE ASSEMBLY (PRIOR TO S/N 85132) (CONTINUED)

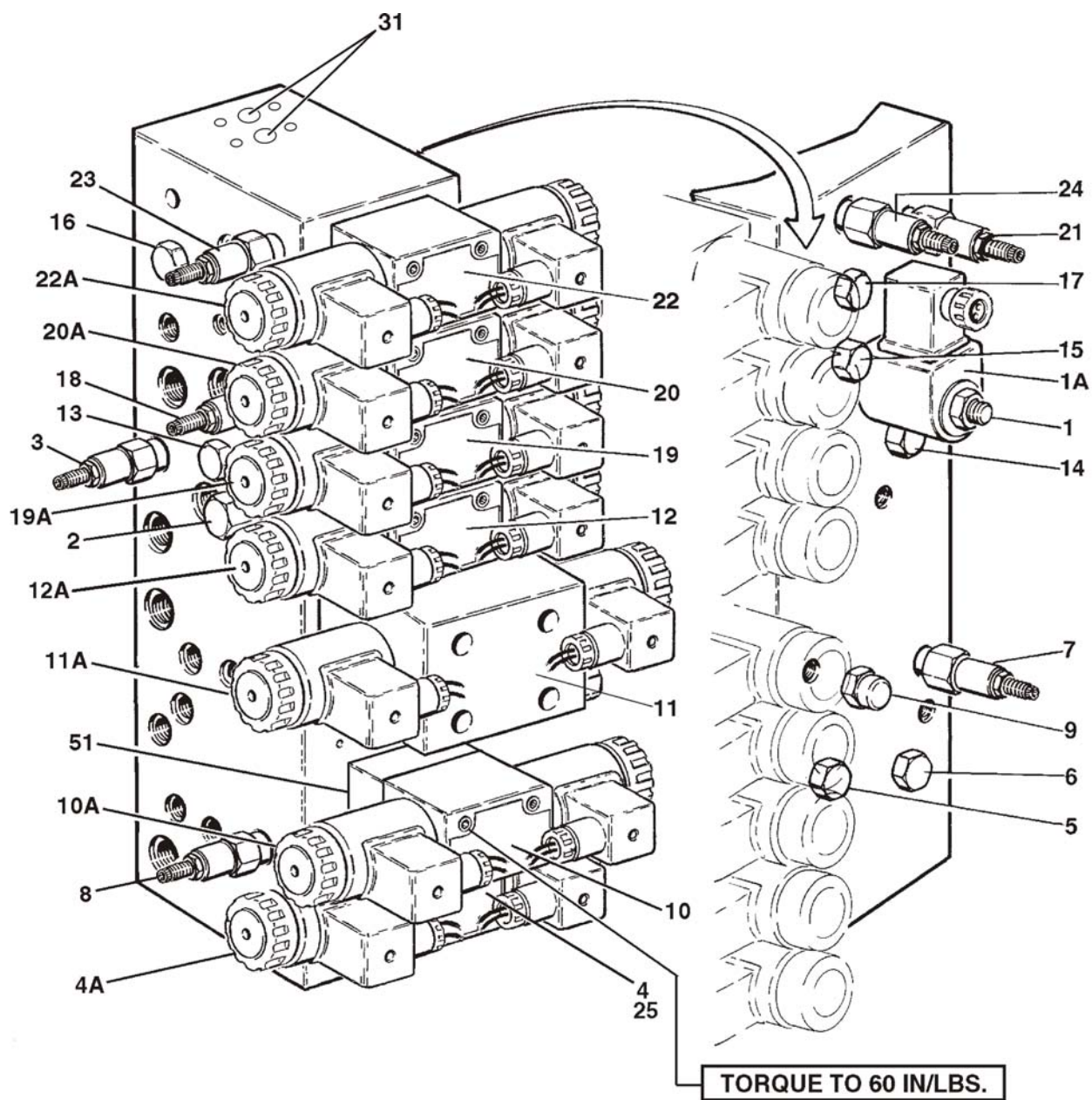
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
17A	7012772 70000582	1	Coil Options: 7012766 Valve 70000579 Valve	
	7018912 70000580	1	Nut, Coil Options: 7012766 Valve 70000579 Valve	
18	7012770	2	Control Valve Assembly (Rotate & Platform Level)	
	7012773	2	Seal Kit - 7012770 Valve	
18A	7012772	4	Coil	
	7018912	4	Nut	
19	7012989	1	Cartridge, Relief Valve (Flow Control)	
	7012953	1	Seal Kit - 7012989 Cartridge	
20	7012774	1	Control Valve Assembly (Steer)	
	7012773	1	Seal Kit - 7012774 Valve	
20A	7012772	2	Coil	
	7018912	2	Nut	
21 to 26	Not Used			
27	7018942	20	Capscrew #10-24NC x 2"	
28	7018951	4	Capscrew 1/4"-20NC x 1 1/2"	
29	7018986	4	Capscrew #10-24NC x 3 1/2"	
30	4460499	15	Connector, Din with diode (Part of Valve Harness)	

FIGURE 2-3. MAIN CONTROL VALVE ASSEMBLY (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2 TURNTABLE

FIGURE 2-4. MAIN CONTROL VALVE ASSEMBLY (S/N 85132 TO PRESENT)



SECTION 2 TURNTABLE

FIGURE 2-4. MAIN CONTROL VALVE ASSEMBLY (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	MAIN CONTROL VALVE ASSEMBLIES	
	4641096	Ref.	Prior to S/N 92880	C
	4641451	Ref.	S/N 92880 to S/N 101769	B
	1001091303	Ref.	S/N 101769 to Present	A
1	7017410	1	Cartridge, Without Coil	
	7012967	1	Seal Kit - 7017410 Cartridge	
1A	7012944	1	Coil	
2	7017464	1	Cartridge, Pressure Sensing	
	7012518	1	Seal Kit	
3	7012912	1	Cartridge (Main Relief)	
	7012998	1	Seal Kit	
4	7012770	1	Control Valve Assembly (Platform Level)	
	7012773	1	Seal Kit	
4A	7018991	2	Coil	
	7021375	2	Nut, Coil	
5	7012914	1	Cartridge, Check Valve	
	7012918	1	Seal Kit - 7012914 Cartridge	
6	7012914	1	Cartridge, Check Valve	
	7012918	1	Seal Kit - 7012914 Cartridge	
7	7012912	1	Cartridge, Relief Valve (Platform Level Backward)	
	7012998	1	Seal Kit - 7012912 Cartridge	
8	7012912	1	Cartridge, Relief Valve (Platform Level Forward)	
	7012998	1	Seal Kit - 7012912 Cartridge	
9	7012989	1	Cartridge, Flow Control	
	7012953	1	Seal Kit - 7012989 Cartridge	
10	7012770	1	Control Valve Assembly (Platform Rotate)	
	7012773	1	Seal Kit	
10A	7018991	2	Coil	
	7021375	2	Nut, Coil	
11		1	Control Valve Assembly Options (Upper Tele):	
	Use 70000579		Prior to S/N 92880 (was p/n 7012766)	
	70000579		S/N 92880 to Present	
			Note: Refer to Vendor P/N on Valve Nameplate before ordering Parts. P/N 7012766 is RR00567495 or R900567495. P/N 70000579 is R900930080.	
		1	Seal Kit Options:	
	7012769		7012766 Valve	
	70000583		70000579 Valve	
11A		1	Coil Options:	
	7012772		7012766 Valve (was p/n 7012768)	
	70000582		70000579 Valve	
		1	Nut, Coil Options:	
	7018912		7012766 Valve	
	70000580		70000579 Valve	

SECTION 2 TURNTABLE

FIGURE 2-4. MAIN CONTROL VALVE ASSEMBLY (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
12	7012775	1	Control Valve Assembly (Flow Control)	
	7012773	1	Seal Kit	
12A	7012772	2	Coil	
	7018912	2	Nut	
	7024015	2	Pipe, Pole	
13	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
14	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
15	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
16	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
17	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
18	7012912	1	Cartridge, Relief Valve (Upper Lift Down)	
	7012998	1	Seal Kit - 7012912 Cartridge	
19	7012775	1	Control Valve Assembly (Upper Lift)	
	7012773	1	Seal Kit	
19A	7012772	2	Coil	
	7018912	2	Nut	
	7024015	2	Pipe, Pole	
20	7012775	1	Control Valve Assembly (Swing)	
	7012773	1	Seal Kit	
20A	7012772	2	Coil	
	7018912	2	Nut	
	7024015	2	Pipe, Pole	
21	7012912	1	Cartridge, Relief Valve (Swing)	
	7012998	1	Seal Kit - 7012912Cartridge	
22	7012774	1	Control Valve Assembly (Steer)	
	7012773	1	Seal Kit	
22A	7012772	2	Coil	
	7018912	2	Nut	
	7024014	2	Pipe, Pole	
23	7012912	1	Cartridge, Relief Valve (Steer Left)	
	7012998	1	Seal Kit - 7012912Cartridge	
24	7012912	1	Cartridge, Relief Valve (Steer Right)	
	7012998	1	Seal Kit - 7012912Cartridge	
25	7018941	2	Orifice	
26 to 29	Not Used			
30	4460499	15	Connector, Din with Diode (Part of Valve Harness)	
31	2220885	2	Plug	
	2901763	Ref.	ROTATE SANDWICH VALVE KIT	A
51	7021310	1	Block, Valve	

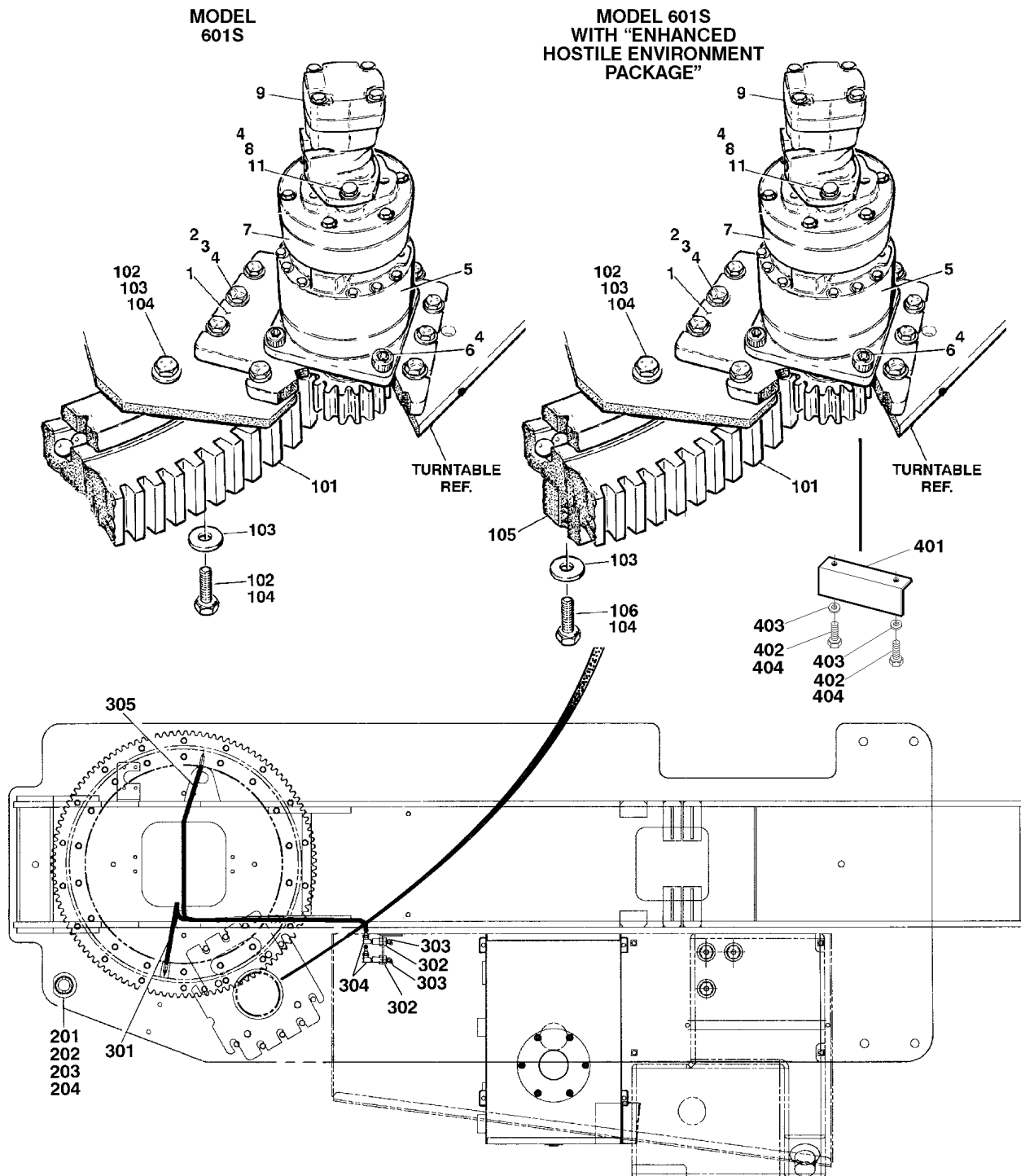
SECTION 2 TURNTABLE

FIGURE 2-4. MAIN CONTROL VALVE ASSEMBLY (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2 TURNTABLE

FIGURE 2-5. SWING DRIVE, TURNTABLE BEARING & LOCK INSTALLATIONS



SECTION 2 TURNTABLE

FIGURE 2-5. SWING DRIVE, TURNTABLE BEARING & LOCK INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	TURNTABLE WELDMENT OPTIONS:	
	4620116	1	Turntable Weldment - Model 601S	
	4620121	1	Turntable Weldment - Model 601S with "Enhanced Hostile Environment Package"	
		Ref.	SWING DRIVE INSTALLATION OPTIONS:	
	0257915	Ref.	Prior to S/N 64566	3/B
	0270330	Ref.	S/N 64566 to Present	B
1	3537318	1	Plate, Swing Drive Mounting	
2	0642018	10	Bolt 5/8" - 11NC x 2 1/4"	
3	4892000	10	Flatwasher, Hardened 5/8"	
4	0100011	A/R	Loctite, #242	
5	2780205	1	Hub, Swing Assembly (See Figure 2-6 for Breakdown)	
6	3932224	4	Bolt 1/2" - 13NC x 1 1/2"	
7		1	Brake, Swing Assembly (See Figure 2-7 for Breakdown)	
	0920111		Prior to S/N 64566	
	0920119		S/N 64566 to Present	
8		2	Bolt Options:	
	0681836		Bolt 1/2" - 13NC x 4 1/2" (Prior to S/N 64566)	
	0681832		Bolt 1/2" - 13NC x 4" (S/N 64566 to Present)	
9		1	Motor, Swing Assembly Options (See Figure 2-8 for Breakdown):	
	3160223		Prior to S/N 64764	
	3160279		S/N 64764 to Present	
10	Not Used			
11		2	Flatwasher 1/2" (Hardened)	
	4740171		Prior to S/N 64566	
	4891800		S/N 64566 to Present	
		Ref.	SWING BEARING INSTALLATION OPTIONS:	
	0254798	Ref.	Swing Bearing Installation - Model 601S	1
	0258952	Ref.	Swing Bearing Installation - Model 601S with "Enhanced Hostile Environment Package"	1
101	0440207	1	Bearing, Turntable	
102	0682016	A/R	Bolt 5/8" - 11NC x 2" (Grade 8)	
103	4892000	36	Flatwasher, 5/8" (Hardened)	
104	0100019	A/R	Loctite #271	
105	3760417	1	Ring, Spacer (Model 601S with "Enhanced Hostile Environment Package" Machines Only)	
106	0682032	18	Bolt 5/8"-11NC x 4" (Grade 8)	

SECTION 2 TURNTABLE

FIGURE 2-5. SWING DRIVE, TURNTABLE BEARING & LOCK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
201		Ref.	TURNTABLE LOCK INSTALLATION OPTIONS:	
	0239585	Ref.	Turntable Lock - Model 601S	B
	0258957	Ref.	Turntable Lock - Model 601S with "Enhanced Hostile Environment Package"	1
		1	Pin Options:	
	3421627		Pin - Model 601S	
	3422769		Pin - Model 601S with "Enhanced Hostile Environment Package"	
202	3421565	1	Pin, Snap	
203	3760170	2	Ring, Quick Release	
204	1260017	9in/23cm	Chain	
	0255316	Ref.	REMOTE BEARING LUBE INSTALLATION	3
301	2751095	1	Hose, Grease (Prior to S/N 70976)	
302	2180344	A/R	Fitting, Bulkhead	
303	2160003	A/R	Fitting, Grease 45°	
304	2220063	A/R	Fitting, 90°	
305	2751032	1	Hose, Grease	
	0258998	Ref.	PINION GEAR DEFLECTORS INSTALLATION - MODEL 601S WITH "ENHANCED HOSTILE ENVIRONMENT PACKAGE"	1
401	3571259	2	Plate	
402	0641608	4	Bolt 3/8"-16NC x 1"	
403	4711600	4	Flatwasher 3/8" (Narrow)	
404	0100011	A/R	Loctite #242	

FIGURE 2-5. SWING DRIVE, TURNTABLE BEARING & LOCK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-6. SWING HUB ASSEMBLY

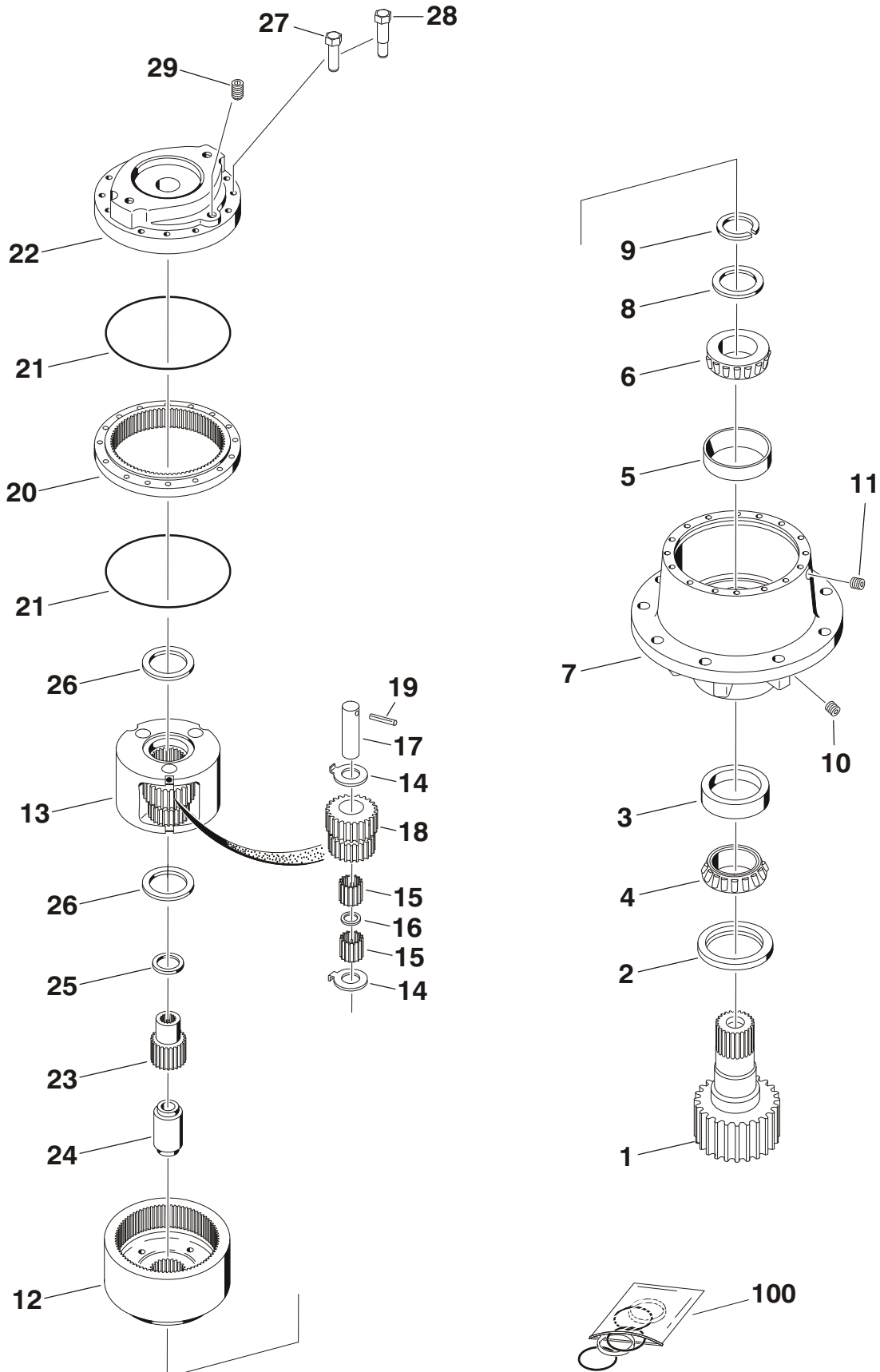
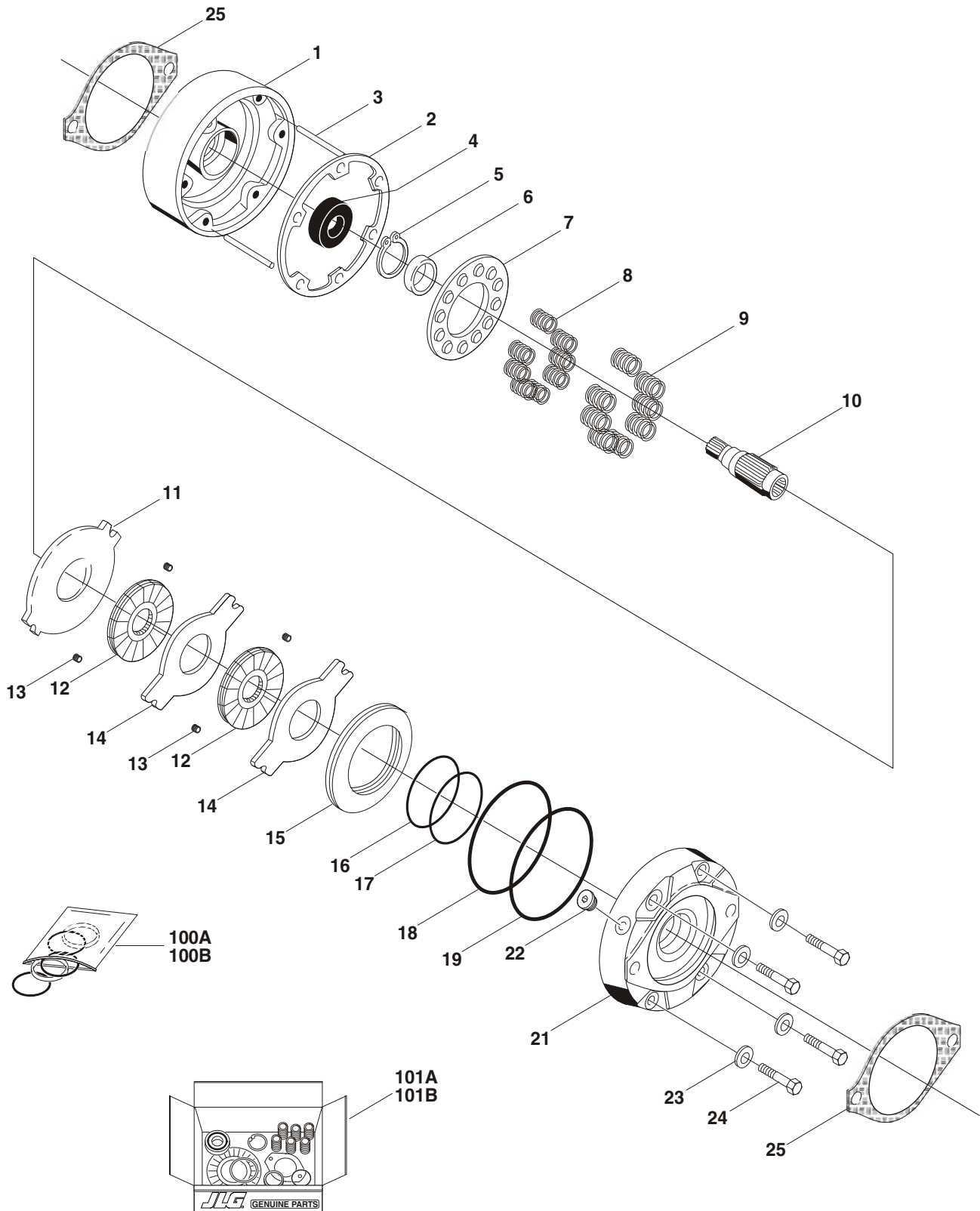


FIGURE 2-6. SWING HUB ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780205	Ref.	SWING HUB ASSEMBLY	—
			HOUSING ASSEMBLY	
1	7010492	1	Shaft, Output	
2	7000228	1	Seal, Lip	
3	7000255	1	Cup, Bearing	
4	7000256	1	Cone, Bearing	
5	7000257	1	Cup, Bearing	
6	7000258	1	Cone, Bearing	
7	Use 7017089	1	Housing (p/n was 7010496)	
8	7007633	1	Thrustwasher	
9	7000229	1	Ring, Retaining	
10	7010494	2	Pipe, Plug	
11	7001928	2	Pipe, Plug	
12	7000246	2	Gear, In O-Ring	
		1	CARRIER ASSEMBLY	
13	7001931	1	Carrier	
14	7001985	6	Thrustwasher, Tanged	
15	7001909	96	Bearing, Needle	
16	7000263	3	Spacer, Thrust	
17	7001911	3	Shaft, Planet	
18	7001987	3	Gear, Cluster	
19	7010474	3	Rollpin	
20	7001988	1	Ring Gear	
21	7000230	1	O-Ring (Black)	
21A	7017070	1	O-Ring (White)	
22	7000209	1	Cover, Input	
23	7010488	1	Gear, Sun	
24	7000269	1	Spacer, Input	
25	7000270	1	Thrustwasher	
26	7000253	2	Thrustwasher	
27	7000217	8	Bolt	
28	7000214	4	Bolt, Shoulder	
29	2200222	1	Pipe, Plug	
100	7024100	1	Seal Kit (Includes Items (2, 9, 21, 21A & 26)	

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FIGURE 2-7. SWING BRAKE ASSEMBLY



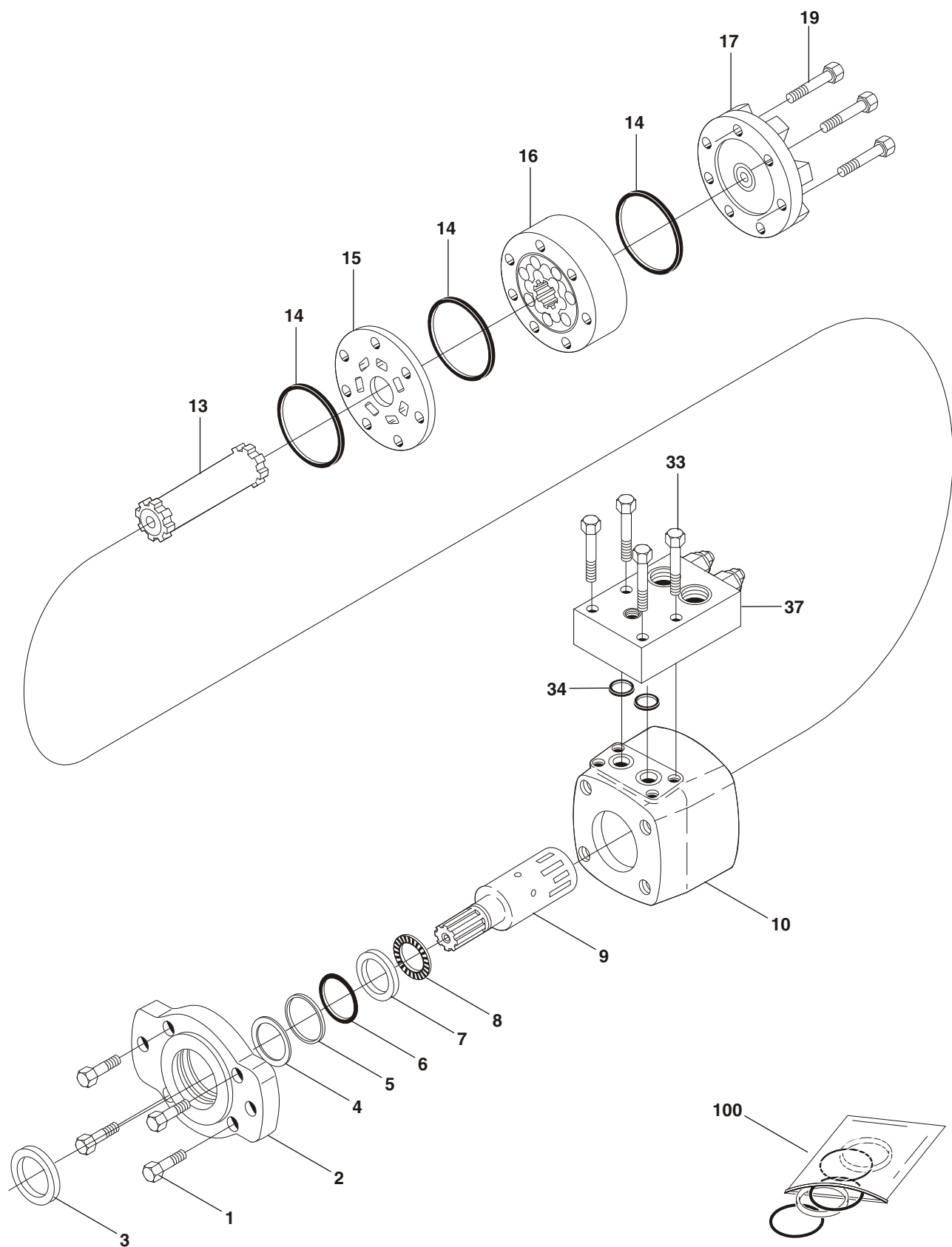
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FIGURE 2-7. SWING BRAKE ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0920111	Ref.	SWING BRAKE ASSEMBLY (PRIOR TO S/N 64566)	A
1	7003451	1	Housing	
2	7003452	1	Gasket	
3	7003094	2	Torque Pin	
4	7003049	1	Bearing, Ball	
5	7003453	1	Ring, Retaining	
6	7003050	1	Seal	
7	7003454	1	Retainer, Spring	
8	7000798	10	Spring, Compression (Small)	
9	7000782	10	Spring, Compression (Large)	
10	7003455	1	Shaft	
11	7003456	1	Disc, Primary	
12	7003457	2	Disc, Rotating	
13	7003458	4	Spring, Wave	
14	7003459	2	Disc, Stationary	
15	7003460	1	Piston	
16	7000722	1	Ring, Back-up	
17	7000723	1	O-Ring	
18	7000724	1	Ring, Back-up	
19	7000725	1	O-Ring	
20	7000796	1	Screw, Bleeder	
21	7003461	1	Plate, Power	
22	7000728	1	Plug, Protective	
23	7003462	4	Washer	
24	7003463	4	Bolt 1/2"-13NC	
25	7000731	2	Gasket	
	0920119	Ref.	SWING BRAKE ASSEMBLY (NOT SHOWN) (S/N 64566 TO PRESENT)	B
		Ref.	Note: Repair Kit is the only item available.	
		Ref.	KIT OPTIONS	
100		1	Seal Kit Options:	
100A	Not Available		Seal Kit - 0920111 Brake (Prior to S/N 64566) (Purchase Individual Components)	
100B	Not Available		Seal Kit - 0920119 Brake (S/N 64566 to Present) (Purchase Repair Kit p/n 70001800)	
101		1	Repair Kit Options:	
101A	Not Available		Repair Kit - 0920111 Brake (Prior to S/N 64566) (Purchase Individual Components)	
101B	7018612		Repair Kit - 0920119 Brake (S/N 64566 to Present)	

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FIGURE 2-8. SWING MOTOR ASSEMBLY



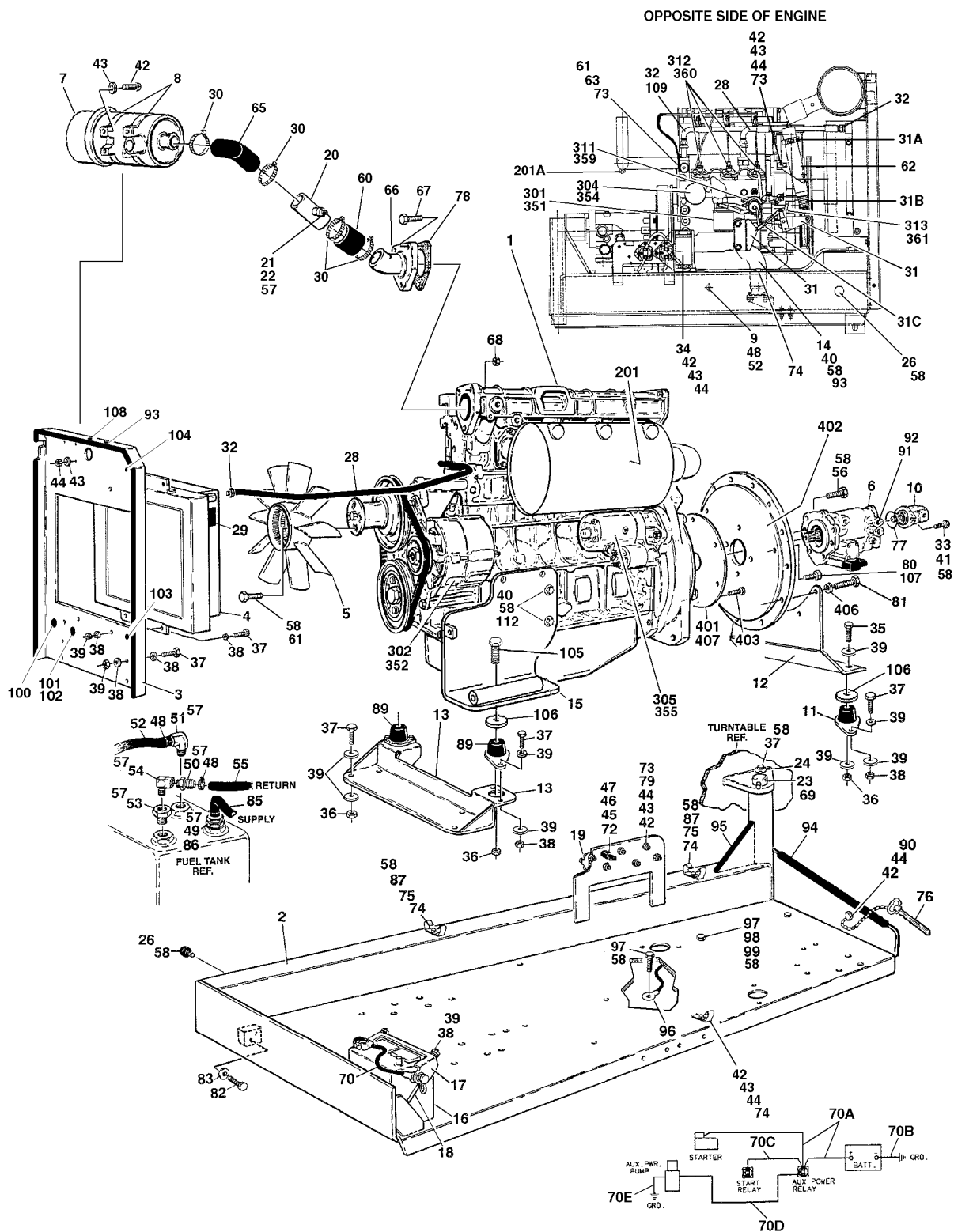
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FIGURE 2-8. SWING MOTOR ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	SWING MOTOR ASSEMBLY	
	3160223	Ref.	Prior to S/N 64764	B
	3160279	Ref.	S/N 64764 to Present	A
1		4	Bolt Options:	
	7002123		Bolt - Motor p/n 3160223 (Prior to S/N 64764)	
	7020357		Bolt - Motor p/n 3160279 (S/N 64764 to Present)	
2	7009996	1	Flange, Mounting	
3	Use Item 100	1	Seal, Exclusion	
4	Use Item 100	1	Washer, Back-up	
5	Use Item 100	1	Seal, Pressure	
6	Use Item 100	1	Seal	
7	7002117	1	Race, Bearing	
8	7002111	1	Washer, Thrust	
9	7009998	1	Shaft	
10		1	Housing Options:	
	7020335		Housing - Motor p/n 3160223 (Prior to S/N 64764)	
	7020358		Housing - Motor p/n 3160279 (S/N 64764 to Present)	
11 to 12	Not Used			
13	7020336	1	Drive	
14	Use Item 100	3	Seal, Body	
15	7020338	1	Plate, Spacer	
16	7020339	1	Rotor Set Assembly	
17	7020346	1	Cap, End	
18	Not Used			
19	7020340	7	Bolt	
20 to 32	Not Used			
33		4	Bolt Options:	
	7020341		Bolt - Motor p/n 3160223 (Prior to S/N 64764)	
	7020353		Bolt - Motor p/n 3160279 (S/N 64764 to Present)	
34	Use Item 100	2	O-Ring	
35 to 36	Not Used			
37		1	Valve, Counterbalance Options:	
	7020343		Valve - Motor p/n 3160223 (Prior to S/N 64764)	
	7020359		Valve - Motor p/n 3160279 (S/N 64764 to Present)	
		2	Cartridge, Valve Options:	
	Not Available		Cartridge - Motor p/n 3160223 (Prior to S/N 64764)	
	7020362		Cartridge - Motor p/n 3160279 (S/N 64764 to Present)	
		2	O-Ring Options:	
	Not Available		O-Ring - Motor p/n 3160223 (Prior to S/N 64764)	
	7020363		O-Ring - Motor p/n 3160279 (S/N 64764 to Present)	
100	7020360	1	Seal Kit - (Includes Items - 3 thru 6, 14 & 34)	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257)



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FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
			DEUTZ ENGINE INSTALLATIONS	
	0257925	Ref.	Model 601S (Prior to S/N 62137)	8/I
	0258976	Ref.	Model 601S With a "Enhanced Hostile Environment Package" (Prior to S/N 62137)	4/D
	0270798	Ref.	Model 601S - Machines With ADE System (S/N 62137 to S/N 78257)	9/G
	0270797	Ref.	Model 601S With a "Enhanced Hostile Environment Package" - Machines With ADE System (S/N 62137 to S/N 78257)	8/F
	0271534	Ref.	Model 601S - Machines With ADE System (W/Hydraulic Welder)	8/F
1		1	Engine - Deutz F3M1011F Diesel Options:	
	2000154		Prior to S/N 37993	
	2000162		S/N 37993 to S/N 78257	
	2000175		With ADE System (Prior to S/N 65671)	
	2000190		With ADE System (S/N 65671 to S/N 78257)	
2		1	Tray Engine Options:	
	4845404		Tray Engine - Model 601S	
	4845947		Tray Engine - Model 601S With a "Enhanced Hostile Environment Package"	
3	3539872	1	Plate, Radiator Mounting	
4	3620033	1	Cooler, Oil	
5	2060025	1	Fan	
6		1	Piston Pump Assembly Options:	
	3600260		Standard (See Figure 2-18 for Breakdown)	
	3600333		W/Hydraulic Welder (See Figure 2-20 for Breakdown)	
7	1340060	1	Air Cleaner Assembly	
7A	7012664	1	Element, Air Cleaner	
8	0340041	2	Band, Mounting	
9	4640751	1	Valve, Oil Drain	
10		1	Gear Pump Assembly Options:	
	3600242		Standard (See Figure 2-21 for Breakdown)	
			W/Hydraulic Welder Options (See Figure 2-22 for Breakdown):	
	3600297		Prior to S/N 70877	
	3600368		S/N 70877 to S/N 78257 (No Service Parts Available)	
11	3200378	2	Mount, Rubber Engine (Rear)	
12	3570864	1	Bracket, Engine Mounting - Rear	
13	3539971	1	Bracket, Engine Mounting - Front	
14	3537416	1	Support, Engine - Right	
15		1	Support, Engine - Left Options:	
	3537417		Prior to S/N 64398	
	4846479		S/N 64398 to S/N 78257	
16	0400075	1	Battery	
17	0181727	1	Hold-Down, Battery	
18	0630498	2	Rod, Hold-Down	
19	3740067	2	Relay	
20	4567495	1	Tee, Air Intake Tube	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
21	2200222 2180798	1	Fitting Options: Fitting, Pipe Plug - Model 601S Fitting, Restriction Indicator - Model 601S With a "Enhanced Hostile Environment Package"	
22	Not Required 4360392	1	Switch, Restriction Indicator Options: Switch - Model 601S Switch - Model 601S With a "Enhanced Hostile Environment Package"	
23	3422446	1	Pin, Pivot	
24	3841143	1	Keeper, Pin	
25	Not Required 3960389	A/R 0 5ft./1.5m	Seal Options: Seal - Model 601S Seal - Model 601S With a "Enhanced Hostile Environment Package"	
26	0940070	1	Bumper, Rubber	
27	Not Required 0181979	1	Angle, Seal Mount Options: Angle - Model 601S Angle - Model 601S With a "Enhanced Hostile Environment Package"	
28	2720398	1	Hose, Oil Cooler	
29	1703162	2	Nameplate - Fan Caution	
30	1320016	4	Clamp, Hose	
31	Not Required 2901392	1	Throttle Mounting Kit Options: Machines With ADE System Model 601S & 601S With a "Enhanced Hostile Environment Package"	
	7023340		Screw, Shoulder 3/8"	
31A	7008833		Bracket, Throttle	
31B	7008835		Coupling, Ball Joint	
31C	7008836		Spring	
32	2220451	2	Fitting, Straight	
33	3931620	2	Capscrew 3/8-16NC x 1 1/4"	
34	0902243 0902511	1	Bracket, Control Module Mounting Options: Prior to S/N 56426 S/N 56426 to S/N 64398	
35	0641818	2	Bolt 1/2"-13NC x 2 1/4"	
36	3311805	4	Locknut 1/2"-13NC	
37	0641608	A/R	Bolt 3/8-16NC x 1 1/4"	
38	3311605	24	Locknut 3/8"-16NC	
39	4751600	48	Flatwasher 3/8"	
40	0701414	A/R	Bolt, Metric M14-2 x 30mm	
41	4891600	2	Washer, Hardened 3/8"	
42	0641407	A/R	Bolt 1/4"-20NC x 7/8"	
43	4751400	A/R	Flatwasher 1/4"	
44	3311405	A/R	Locknut 1/4"-20NC	
45	Not Required 0721005	2	Bolt #10-24NC x 5/8" Options: Machines With ADE System Model 601S & 601S With a "Enhanced Hostile Environment Package"	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
46	Not Required 3321005	2	Locknut #10-24NC Options: Machines With ADE System Model 601S & 601S With a "Enhanced Hostile Environment Package"	
47	Not Required 4751000	2	Flatwasher #10 Options: Machines With ADE System Model 601S & 601S With a "Enhanced Hostile Environment Package"	
48	1320022	A/R	Clamp, Hose	
49	2220273	1	Fitting, Reducer	
50	2180536	1	Fitting, Straight	
51	2220313	1	Fitting, 90°	
52	2750532	5.5ft./1.7m	Hose 3/8"	
53	2220250	1	Fitting, Reducer	
54	2220459	1	Fitting, 90°	
55	2720271	11ft./3.4m	Hose 3/16"	
56	0641812	2	Bolt 1/2"-13NC x 1 1/2"	
57	0100020	A/R	Sealant, Thread	
58	0100011	A/R	Loctite #242	
59	Not Used			
60		A/R	Coupling, Rubber Intake Options:	
	2720351	6in./15cm	Prior to S/N 67978	
	2720449	1	S/N 67978 to S/N 78257	
61	0700808	5	Bolt, Metric M8 x 16mm	
62		1	Actuator Assembly Options:	
	Not Required		Machines With ADE System	
	Use 2910000		Actuator Assembly (Was p/n 0060033) (See Section 7 for Breakdown) - Model 601S & 601S With a "Enhanced Hostile Environment Package"	
63	4831900	1	Lockwasher 8m	
64	Not Used			
65	2720434	1	Elbow, Rubber	
66	4845395	1	Air Intake Adapter Weldment	
67	0641510	3	Bolt 5/16"-18NC x 1 1/4"	
68	3311505	3	Locknut 5/16"-18NC	
69	0961986	2	Bushing, Flanged	
70	2901568	1	Battery Cable Kit (Prior to S/N 74801)	
	2902296	1	Battery Cable Kit (S/N 74801 to S/N 78257)	
70A	7016813	1	Cable, Battery (Red) (Kit p/n 2901568)	
	1001116240	1	Cable, Battery (Red) (Kit p/n 2902296) (was p/n 7027000)	
70B	7016814	1	Cable, Battery (Black) (Kit p/n 2901568)	
	7027004	1	Cable, Battery (Black) (Kit p/n 2902296)	
70C	7016803	1	Cable (Red) (Kit p/n 2901568)	
	7027001	1	Cable (Red) (Kit p/n 2902296) (No Longer Part of 2902296 Kit - Purchase as Individual Item)	
70D	7016816	1	Cable (Red) (Kit p/n 2901568)	
	7027002	1	Cable (Red) (Kit p/n 2902296)	
70E	Not Required	1	Kit p/n 2901568	
	7027003	1	Cable (Black) (Kit p/n 2902296)	
71	Not Used			

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
72	Not Required 4360294	1	Breaker, Circuit Options: Machines With ADE System Breaker, Circuit - 30 Amp - Model 601S & 601S With a "Enhanced Hostile Environment Package"	
73	1320222	1	J-Clip 3/8"	
74	1320223	6	J-Clip 1/2"	
75	0641606	3	Bolt 3/8"-16NC x 3/4"	
76	3422532	1	Pin, Hitch	
77	3790152	1	O-Ring	
78	3960407	1	Gasket	
79	4791400	4	Starwasher 1/4"	
80	0701012	4	Bolt, Metric M10 x 25mm	
81	0701015	4	Bolt, Metric M10 x 35mm	
82	0642010	1	Bolt 5/8"-11NC x 1 1/4"	
83	4752000	1	Flatwasher 5/8"	
84	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
85	2720058	11ft/3.4m	Hose	
86	2220794	1	Fitting, Barbed	
87	4711600	3	Flatwasher 3/8" Narrow	
88	Not Used			
89	3200362	2	Mount, Rubber Engine (Front)	
90	4711400	1	Flatwasher 1/4" Narrow	
91	4100026	2.5ft/0.8m	Sleeve, Nylon	
92	4240033	2	Strap, Tie	
93	Not Required 3520060	1	Plug 3/8" Options: Plug - Model 601S Plug - Model 601S With a "Enhanced Hostile Environment Package"	
94	4060805	A/R	Flex-Trim 1/4"	
95	4060804	7in/17cm	Flex-Trim 3/16" (Prior to S/N 67821)	
96	1060637	1	Lanyard	
97	0641808	2	Bolt 1/2"-13NC x 1"	
98	3311801	1	Nut 1/2"-13NC	
99	4751800	1	Flatwasher 1/2"	
100	Not Required 3520035	1	Plug 1 1/2" Options: Model 601S Model 601S With a "Enhanced Hostile Environment Package"	
101	Not Required 3520033	1	Plug 1" Options: Model 601S Model 601S With a "Enhanced Hostile Environment Package"	
102	Not Required 0100010	A/R	Adhesive Options: Model 601S Model 601S With a "Enhanced Hostile Environment Package"	
103	Not Required 3520054	4	Plug 7/16" Options: Model 601S Model 601S With a "Enhanced Hostile Environment Package"	
104	Not Required 3520034	4	Plug 5/16" Options: Model 601S Model 601S With a "Enhanced Hostile Environment Package"	
105	0641826	2	Bolt 1/2"-13NC x 3 1/4"	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
106	4740274	4	Washer, Snubbing	
107	4832000	8	Lockwasher 10mm	
108		1	Plug 9/16" Options:	
	Not Required		Model 601S	
	3520085		Model 601S With a "Enhanced Hostile Environment Package"	
109	2720447	1	Oil Cooler Hose	
110		1	Cleaner, Air Pre-Cleaner Options:	
	Not Required		Model 601S	
	1340061		Model 601S With a "Enhanced Hostile Environment Package"	
111		1	Seal, Foam Gasket Options:	
	Not Required		Model 601S	
	3960511		Model 601S With a "Enhanced Hostile Environment Package"	
112	4711900	6	Flatwasher 9/16" (S/N 64398 to S/N 78257)	
201		Ref.	MUFFLER INSTALLATION	E
	3220110	1	Spark Arresting	
201A	1320176	1	Clamp, Muffler	
		Ref.	ENGINE COMPONENTS	—
		Ref.	Engine - Deutz F3M1011F Diesel Options:	
	2000154	Ref.	Prior to S/N 37993	
	2000162	Ref.	S/N 37993 to S/N 62137	
	2000175	Ref.	S/N 62137 to S/N 65671	
301		1	Filter, Fuel Options:	
	7020023		2000154 & 2000162 Engines	
	7012598		2000175 Engine	
302	7016329	1	Alternator	
303	7016330	1	Switch, Oil Pressure (Not Shown)	
304	7016641	1	Oil Filter Assembly	
	7016331	1	Element	
305		1	Starter Options:	
	7016332		Prior to S/N 62137 (2000154 & 2000162 Engines)	
	Not Available		S/N 62137 to S/N 65671 (2000175 Engine)	
306	7020026	1	Dipstick - Engine Oil (Not Shown)	
307	7020027	1	Flywheel (Not Shown)	
308	7020022	1	Pump, Injection (Not Shown)	
309	7020024	1	Breather, Crankcase (Not Shown)	
310	7020025	1	Switch, Oil Temperature (Not Shown)	
311	7020463	1	Fuel Pump Supply	
312	7024318	3	Fuel Injection Pump	
313	7020458	1	Actuator, Throttle (2000175 Engine Only)	
314	7024565	1	Sensor, Tach (Not Shown - Located on Flywheel Housing) (2000175 Engine Only)	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257) (CONTINUED)

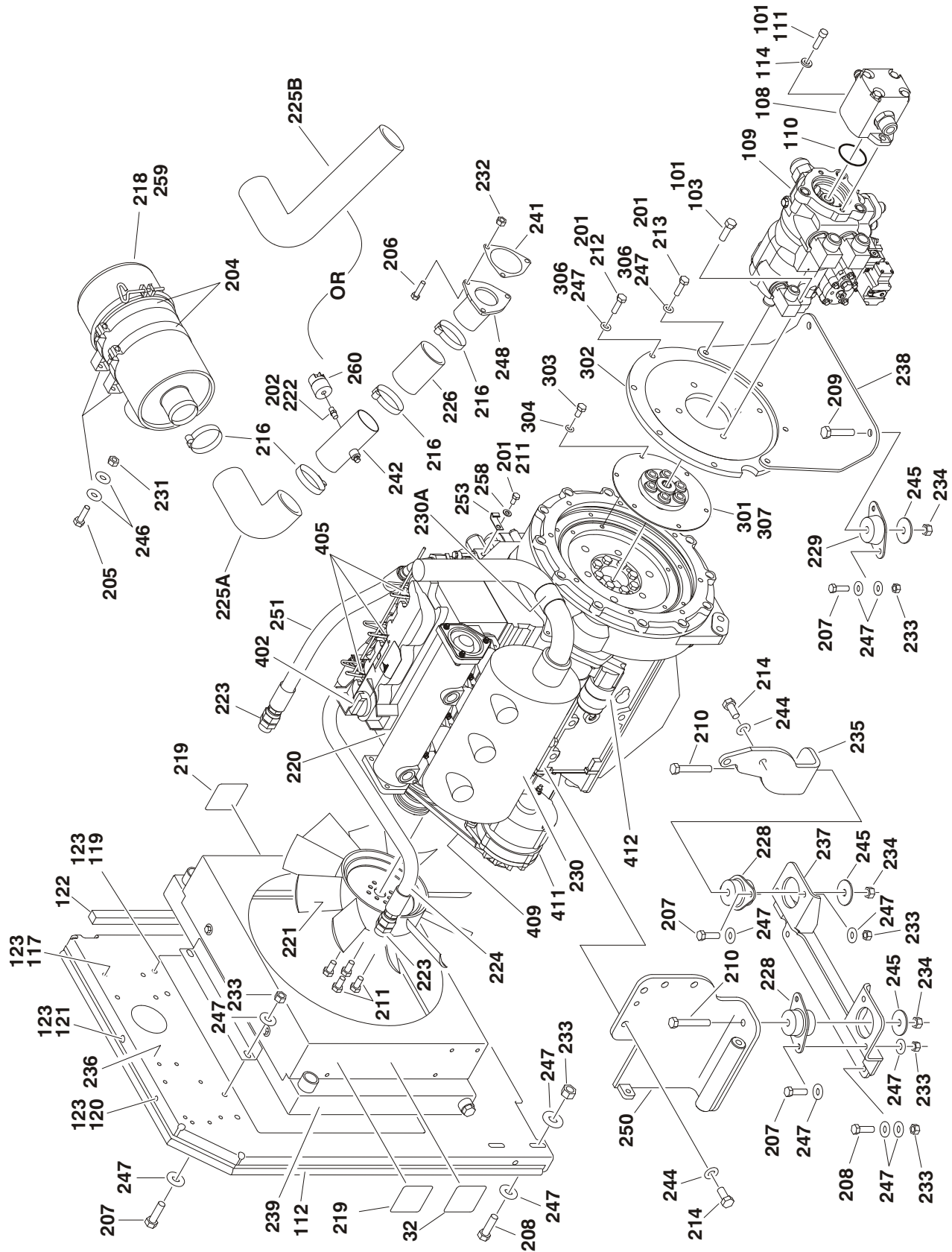
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2000190	Ref.	ENGINE - DEUTZ F3M1011F DIESEL (S/N 65671 to S/N 78257)	
351	7020023	1	Filter, Fuel	
352	7020410	1	Alternator	
353	7020461	1	Switch, Oil Pressure (Not Shown)	
354	7016641	1	Oil Filter Assembly	
	7016331	1	Element	
355	7020479	1	Starter	
356	7020026	1	Dipstick - Engine Oil (Not Shown)	
357	7020465	1	Cap, Filler (Not Shown)	
358	7020168	1	Switch, Oil Temperature (Not Shown)	
359	7024413	1	Fuel Pump Supply	
360	7024318	3	Fuel Injection Pump	
361	7020458	1	Actuator, Throttle	
362	Use 7024565	1	Sensor, Tach (Not Shown - Located on Flywheel Housing) (was p/n 7020481)	
363	7020449	3	Gasket, Intake Manifold (Not Shown)	
364	7020471	3	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
	0256847	Ref.	PUMP COUPLING INSTALLATION	2
401	1660234	1	Coupling, Hayes	
402	0080163	1	Plate, Pump Adapter	
403	0700810	6	Bolt Metric 8mm x 20mm	
404	4831900	6	Lockwasher 8mm	
405	Not Used			
406	4832000	8	Lockwasher 10mm (Prior to S/N 85132)	
407	3020021	A/R	Grease, Coupling (Not Shown)	

FIGURE 2-9. DEUTZ ENGINE INSTALLATION - 3CYL (PRIOR TO S/N 78257) (CONTINUED)

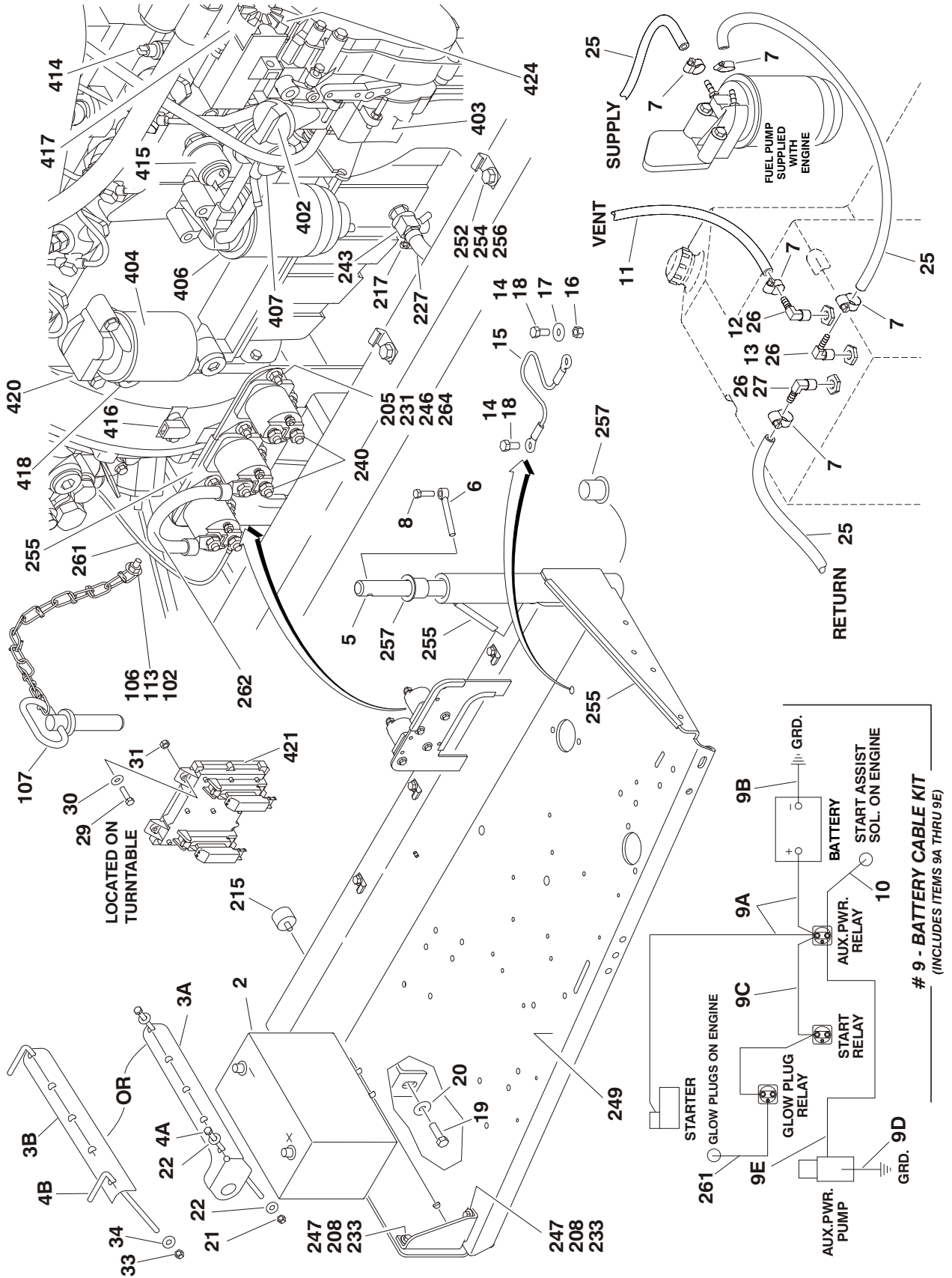
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION - 3CYL (S/N 78257 TO PRESENT)



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FIGURE 2-10. DEUTZ ENGINE INSTALLATION - 3CYL (S/N 78257 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DEUTZ ENGINE INSTALLATIONS	
	0273957	Ref.	601S (S/N 78257 to S/N 85132)	1/A
	0274190	Ref.	601S (S/N 85132 to S/N 86148)	2/B
	0274523	Ref.	601S (S/N 86148 to Present)	E
	0273958	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 78257 to S/N 85132)	1/A
	0274191	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 85132 to S/N 86148)	2/B
	0274524	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 86148 to Present)	E
1	Not Used			
2	0400075	1	Battery	
3		1	Hold-down, Battery Options:	
3A	0181727		S/N 78257 to S/N 110251	
3B	91401281		S/N 110251 to Present	
4		2	Bolt, Battery Hold-down Options:	
4A	0630498		S/N 78257 to S/N 110251	
4B	1001093382		S/N 110251 to Present	
5	3422448	1	Pin, Pivot	
6	3841143	1	Pin, Keeper	
7	1320022	5	Clamp, Hose	
8	0641610	1	Bolt 3/8"-16NC x 1 1/4"	
9	2902296	1	Battery Cable Kit	C
		Ref.	Note: 2902296 Rev A version is no longer available. Verify weather machine is equipped with 2 or 3 relays on the engine tray. If there are 3 relays, purchase latest revision of 2902296 kit. If there are 2 relays, purchase individual items as replacement.	
9A	1001116241	1	Cable, Battery (Red) (Machines with 2 Relays on Engine Tray) (was p/n 7027000)	
	1001116240	1	Cable, Battery (Red) (Machines with 3 Relays on Engine Tray) (was p/n 7027000)	
9B	7027004	1	Cable, Battery (Black)	
9C	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit - Purchase as Individual Item)	
9D	7027003	1	Cable (Black)	
9E	7027002	1	Cable (Red)	
10	4922978	1	Harness, Start Assist Solenoid (S/N 78257 to S/N 86148)	
11	2750532	4.5ft/1.4m	Hose	
12	2220313	1	Fitting, 90°	
13	2180348	1	Fitting, Straight Barbed	
14	0641808	2	Bolt 1/2"-13NC x 1"	
15	1060637	1	Cable, Lanyard	
16	3311801	1	Nut 1/2"-13NC	
17	4751800	1	Flatwasher 1/2" Wide	
18	0100011	A/R	Loctite #242	
19	0642010	1	Bolt 5/8"-11NC x 1 1/4"	
20	4752000	1	Flatwasher 5/8" Wide	
21	3311605	A/R	Locknut 3/8"-16NC (S/N 78257 to S/N 110251)	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION - 3CYL (S/N 78257 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
22	4751600	A/R	Flatwasher 3/8" Wide (S/N 85132 to S/N 110251)	
23	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
24	4100026	1	Sleeve, Hose Nylon (Not Shown - Located on Drive Hoses)	
25	2720058	22ft/6.7m	Hose	
26	0100020	A/R	Sealant, Pipe	
27	2221176	1	Fitting, 90° Barbed	
28	4240033	2	Strap, Tie (Not Shown)	
29	0641410	4	Bolt 1/4"-20NC x 1 1/4" (S/N 86148 to Present)	
30	4711400	4	Flatwasher 1/4" (S/N 86148 to Present)	
31	3300454	4	Nut 1/4"-20NC Tapped (601S - With a "Enhanced Hostile Environment Package" Only) (S/N 86148 to Present)	
32		1	Decal - Warning Explosion/Fire Options:	
	1704972		ANSI Spec	
	1706098		Australian & CE Spec	
	1706059		Brazilian Spec	
	1706060		Chinese Spec	
	1706064		CSA Spec	
	1706062		Japanese Spec	
	1706061		Korean Spec	
	1706063		Spanish Language	
33	88521205	2	Locknut 5/16"-18NC (S/N 110251 to Present) (Was p/n 3311505)	
34	4751500	2	Flatwasher 5/16" Wide (S/N 110251 to Present)	
		Ref.	ENGINE AND PUMP ASSEMBLIES	
	2000248	Ref.	601S (S/N 78257 to S/N 85132)	B
	2000269	Ref.	601S (S/N 85132 to S/N 86148)	B
	2000301	Ref.	601S (S/N 86148 to Present)	B
	2000249	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 85132 to S/N 85132)	B
	2000270	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 85132 to S/N 86148)	B
	2000303	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 86148 to Present)	B
101	0100011	A/R	Loctite #242	
102	0641407	1	Bolt 1/4"-20NC x 7/8"	
103	0641812	2	Bolt 1/2"-13NC x 1 1/2"	
104	Not Used			
105	3020016	2.5gal	Oil, Motor (Not Shown)	
106	3311405	1	Locknut 1/4"-20NC	
107	3422532	1	Pin, Hitch	
108	3600395	1	Gear Pump Assembly with Fittings (See Figure 2-21 for Breakdown)	
109	3600418	1	Piston Pump Assembly with Fittings (See Figure 2-18 for Breakdown) (S/N 78257 to S/N 85132)	
	3600396	1	Piston Pump Assembly with Fittings (See Figure 2-19 for Breakdown) (S/N 85132 to Present)	
110	3790152	1	O-Ring	
111	3931620	2	Capscrew 3/8"-16NC x 1 1/4"	
112	3960389	5ft/1.5m	Seal	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION - 3CYL (S/N 78257 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
113	4711400	1	Flatwasher 1/4" Narrow	
114	4891600	2	Flatwasher, Hardened	
		Ref.	Note: Items 115 to 125 are for Model 601S With A "Enhanced Hostile Environment Package"	
115	0181979	1	Angle, Seal Mounting	
116	3520033	2	Plug 1" (Not Shown - Located on Radiator Mounting Plate)	
117	3520034	8	Plug 5/16"	
118	3520035	1	Cap, Plug (Not Shown - Located on Radiator Mounting Plate) (S/N 78257 to S/N 86148)	
119	3520054	4	Plug	
120	3520060	1	Plug 3/8"	
121	3520085	1	Plug 1"	
122	3960511	1	Seal	
123	0100010	A/R	Adhesive, Superbond	
124	1670836	1	Cover, Boom (Not Shown - Located on Radiator Mounting Plate) (S/N 86148 to Present)	
125	3520032	1	Plug 1" (Not Shown - Located on Radiator Mounting Plate) (S/N 86148 to Present)	
		Ref.	ENGINE ASSEMBLIES	
	2000250	Ref.	601S (S/N 78257 to S/N 86148)	B
	2000304	Ref.	601S (S/N 86148 to S/N 92707)	B
	2000346	Ref.	601S (S/N 92707 to Present)	C
	2000252	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 78257 to S/N 86148)	B
	2000302	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 86148 to S/N 92707)	B
	2000348	Ref.	601S - With a "Enhanced Hostile Environment Package" (S/N 92707 to Present)	C
201	0100011	A/R	Loctite #242	
202	0100020	A/R	Sealant, Pipe	
203	Not Used			
204	0340041	2	Band, Air Cleaner	
205	0641407	A/R	Bolt 1/4"-20NC x 7/8"	
206	0641510	3	Bolt 5/16"-18NC x 1 1/4"	
207	0641608	A/R	Bolt 3/8"-16NC x 1"	
208	0641610	6	Bolt 3/8"-16NC x 1 1/4"	
209	0641818	2	Bolt 1/2"-13NC x 2 1/4"	
210	0641826	2	Bolt 1/2"-13NC x 3 1/4"	
211	0700808	5	Bolt 8mm x 16mm	
212	0701012	4	Bolt 10mm x 25mm	
213		4	Bolt Options:	
	0701015		Bolt 10mm x 35mm (S/N 78257 to S/N 86148)	
	0701014		Bolt 10mm x 30mm (S/N 86148 to Present)	
214	0701414	6	Bolt 14mm x 130mm	
215	0940070	1	Bumper	
216	1320016	A/R	Clamp	
217	1320022	1	Clamp, Hose	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION - 3CYL (S/N 78257 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
218	1340060	1	Air Cleaner Assembly Including Filter Element	
	7012664	1	Element, Filter (Not Shown)	
219	1703162	2	Decal - Caution Fan Blade	
220		1	Engine Options (see Items 401-424 for Breakdown):	
	2000217		Engine, Deutz - F4M2011 Tier II (S/N 78257 to S/N 86148)	
	2000273		Engine, Deutz - F3M2011 Tier II (S/N 86148 to S/N 92707)	
	2000338		Engine, Deutz - F3M2011 Tier II (S/N 92707 to S/N 106659)	
	1001092723		Engine, Deutz - D2011L03 Tier III (S/N 106659 to Present)	
221	2060025	1	Fan	
222		A/R	Fitting Options:	
	2200222	1	Fitting, Plug (601S) (S/N 85132 to S/N 86148)	
	2180798	1	Fitting (601S - With a "Enhanced Hostile Environment Package") (S/N 78257 to S/N 86148)	
	2200221	1	Fitting (S/N 86148 to S/N 106659)	
	Not Required	0	S/N 106659 to Present	
223	2220451	2	Fitting, Straight	
224	2720398	1	Hose, Oil Cooler	
225		1	Elbow, Rubber Options:	
225A	2720434		S/N 78257 to S/N 106659	
225B	1001091179		S/N 106659 to Present	
226	2720449	1	Hose, Air Cleaner (S/N 78257 to S/N 106659 Only)	
227	2750532	1ft/30cm	Hose, Oil Drain	
228	3200362	2	Mount, Motor	
229	3200406	2	Mount, Motor	
230	3220110	1	Muffler, Spark Arresting	
230A	1320176	1	Clamp, Muffler	
231	3311405	A/R	Locknut 1/4"-20NC	
232	3311505	3	Locknut 5/16"-18NC	
233	3311605	A/R	Locknut 3/8"-16NC	
234	3311805	4	Locknut 1/2"-13NC	
235	3537416	1	Plate, Engine Mounting (Front Right Side)	
236	3539872	1	Plate, Radiator Mounting	
237	3539971	1	Plate, Engine Mounting (Front Bottom)	
238	3570864	1	Plate, Engine Mounting (Rear)	
239	3620033	1	Radiator	
240	3740067	A/R	Relay Options:	
		2	S/N 78257 to S/N 92707	
		3	S/N 92707 to Present	
241	3960407	1	Gasket, Air Intake	
242	4567495	1	Tube, Tuning (S/N 78257 to S/N 106659 Only)	
243	4640751	1	Valve, Oil Drain	
244		6	Flatwasher Options:	
	4711900		Flatwasher 9/16" Narrow (S/N 78257 to S/N 92707)	
	4812200		Flatwasher (Metric) 14mm (S/N 92707 to Present)	
245	4740274	4	Washer, Snubbing	
246	4751400	A/R	Flatwasher 1/4" Wide	
247	4751600	A/R	Flatwasher 3/8" Wide	
248	4845395	1	Adapter, Air Intake	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION - 3CYL (S/N 78257 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
249	4845404	1	Tray, Engine Options:	
	4845947		601S	
			601S - With a "Enhanced Hostile Environment Package"	
250	4846479	1	Plate, Engine Mounting (Front Left Side)	
251	2720447	1	Hose, Oil Cooler	
252	0641606	3	Bolt 3/8"-16NC x 3/4"	
253	1320222	2	J-Clip 3/8"	
254	1320223	4	J-Clip 1/2"	
255	4060805	37in/1m	Flex-Trim	
256	4711600	3	Flatwasher 3/8" Narrow	
257	0961986	2	Bushing, Flanged	
258	4711500	1	Flatwasher 5/16" Narrow	
259	1340061	1	Cleaner, Dust Cap (601S - With a "Enhanced Hostile Environment Package" Only)	
260	4360392	1	Indicator, Restriction (601S - With a "Enhanced Hostile Environment Package" Only) (S/N 85132 to S/N 86148)	
261	4923451	1	Harness, Glow Plug (S/N 92707 to Present)	
262	1060904	1	Cable, Jumper (S/N 92707 to Present)	
263	3020016	2.5gal	Oil, Motor 15W-40 (Not Shown)	
264	4711400	12	Flatwasher 1/4" Narrow (S/N 92707 to Present)	
	0256847	Ref.	PUMP COUPLING INSTALLATION	
301	1660234	1	Coupling, Hayes	
302	0080163	1	Plate, Pump Adapter	
303	0700810	63	Bolt Metric 8mm x 20mm	
304	4831900	6	Lockwasher 8mm	
305	Not Used			
306	4832000	8	Lockwasher 10mm (S/N 78257 to S/N 84709)	
307	3020021	A/R	Grease, Coupling	
		Ref.	ENGINE COMPONENTS	
	2000217	Ref.	S/N 78257 to S/N 86148	
	2000273	Ref.	S/N 86148 to S/N 92707	
	2000338	Ref.	S/N 92707 to S/N 106659	
	1001092723	Ref.	S/N 106659 to Present	
401	7020026	1	Dipstick (Not Shown)	E B B A
	7020403	1	Seal, Ring	
		1	Tube, Dipstick Options:	
	70001002		Tube for p/n 2000217	
	See Note		Tube for p/n 2000273, 2000338 & 1001092723 (Note: For correct component, must supply engine serial number to JLG Parts Department)	
402	7020465	1	Cap, Filler	
403	7020495	1	Pump, Oil Lube	
	7020468	1	Seal Between Oil Pump & Engine Block (Not Shown)	
404	7016331	1	Filter, Oil	

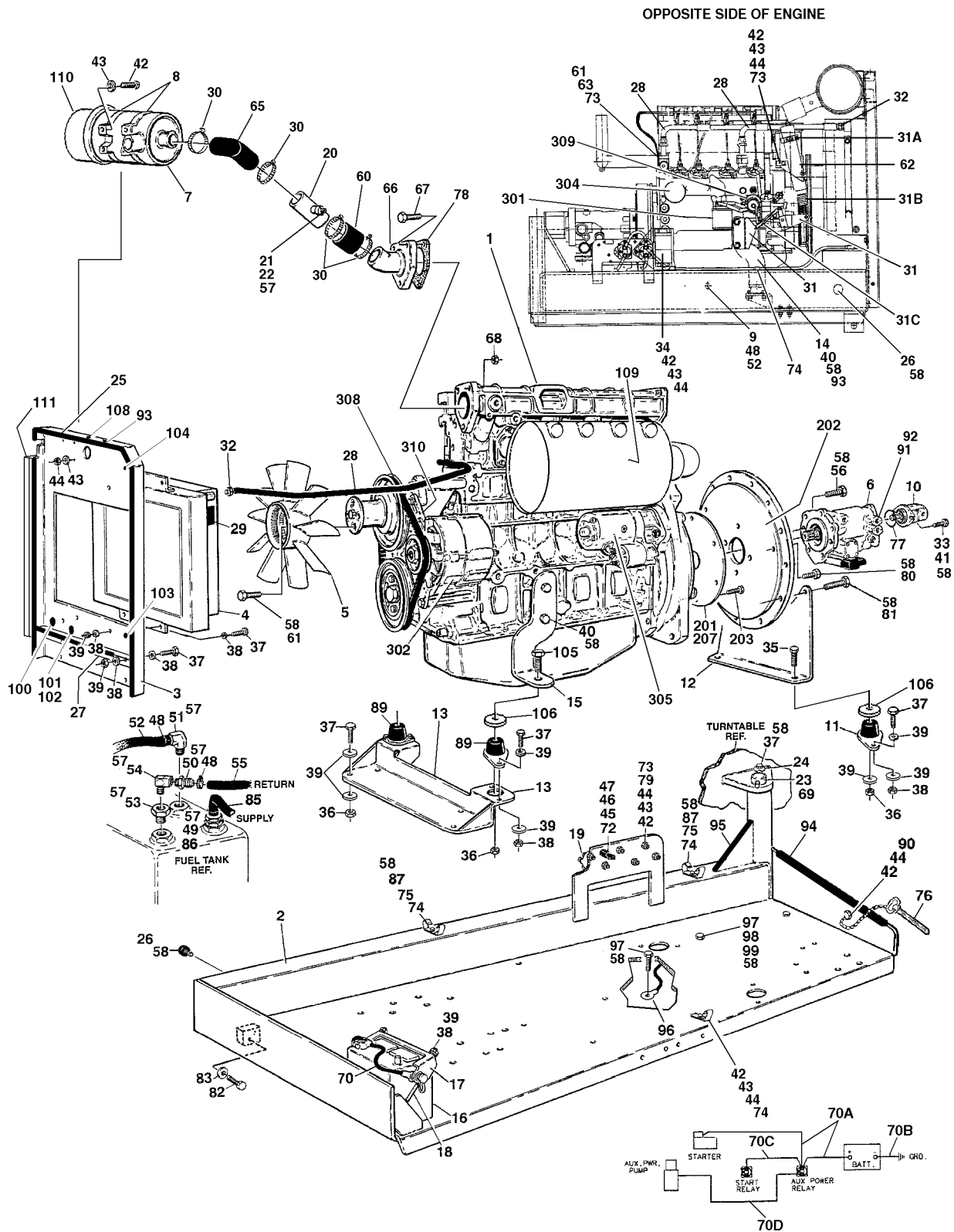
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FIGURE 2-10. DEUTZ ENGINE INSTALLATION - 3CYL (S/N 78257 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
405		3	Pump, Injector Options: Engine 2000217 Pump, Injector Engine 2000273, 2000338 & 1001092723 Series A Injector Series B Injector Series C Injector Series D Injector	
	7027246			
	7027246			
	7027608			
	7027609			
	7027610			
	7020447	3	Gasket (1 per Injector)	
406	7020023	1	Filter, Fuel	
	70001423	1	Bracket, Fuel Filter	
407	70000916	1	Pump Fuel Supply	
	7020411	1	O-Seal Between Fuel Pump & Engine Block (Not Shown)	
408	7020449	3	Gasket, Intake Manifold (Not Shown)	
409	7020408	1	V-Belt	
410	7020471	3	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
411	7020410	1	Alternator	
	7020464		Regulator, Voltage (Not Shown)	
412	7020479	1	Starter	
	7026608	1	Relay	
413	Not Available	2	Plug- In Connector (Not Shown)	
414	7027241	1	Transmitter, Temperature (Used on 2000217)	
	7027791	1	Transmitter, Temperature (Used on 2000273, 2000338 & 1001092723)	
415	7020461	1	Sensor, Oil Pressure (Used on 2000217)	
	7027790	1	Sensor, Oil Pressure (Used on 2000273, 2000338 & 1001092723)	
416	7024565	1	Sensor, Speed	
417	7020458	1	Actuator, Throttle (Used on 2000217)	
	7027792	1	Actuator, Throttle (Used on 2000273, 2000338 & 1001092723)	
	7027276	2	Spring, Actuator	
418	7020459	1	Thermostat (Used on 2000273, 2000338 & 1001092723) (S/N 86148 to Present)	
	7020460	1	Spring, Compression (Used on 2000273, 2000338 & 1001092723) (S/N 86148 to Present)	
419	7024579	1	Gear, Ring 110 Tooth (Located on Flywheel - Not Shown)	
420	7027236	1	Sender, Temperature	
421	7027795	1	Module, Control (Used on 2000273, 2000338 & 1001092723) (S/N 86148 to Present)	
422	7027245	1	Filter, Fuel (Not Shown - Located in Fuel Supply Line) (Used on 2000273, 2000338 & 1001092723) (S/N 86148 to Present)	
423	70000345	3	Plug, Glow (Not Shown - Use with 2000338 & 1001092723 only) (S/N 92707 to Present)	
424	7027239	1	Solenoid, Start	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION - 4CYL (WITHOUT ADE)



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FIGURE 2-11. DEUTZ ENGINE INSTALLATION - 4CYL (WITHOUT ADE)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DEUTZ ENGINE INSTALLATIONS	
	10001100378	Ref.	601S	1/A
	1001100616	Ref.	601S - With a "Enhanced Hostile Environment Package"	1/A
1	2000146	1	Engine, Deutz - F4M1011F	
2		1	Tray, Engine Options:	
	4845404		Model 601S	
	4845947		Model 601S - With a "Enhanced Hostile Environment Package"	
3	3539872	1	Plate, Radiator Mounting	
4	3620033	1	Radiator	
5	2060025	1	Fan	
6	3600260	1	Piston Pump Assembly (See Figure 2-18 for Breakdown)	
7	1340060	1	Air Cleaner Assembly Including Filter Element	
	7012664	1	Element, Filter (Not Shown)	
8	0340041	2	Band, Air Cleaner	
9	4640751	1	Valve, Oil Drain	
10	3600242	1	Gear Pump Assembly (See Figure 2-21 for Breakdown)	
11	3200378	2	Mount, Rubber Engine (Rear)	
12	3537420	1	Plate, Engine Mounting (Rear)	
13	3539971	1	Plate, Engine Mounting (Front Bottom)	
14	3537416	1	Plate, Engine Mounting (Front Right Side)	
15	3537417	1	Plate, Engine Mounting (Front Left Side)	
16	0400075	1	Battery	
17	0181727	1	Hold-down, Battery	
18	0630498	2	Bolt, Battery Hold-down	
19	3740067	2	Relay	
20	4567495	1	Tube, Air Intake	
21		A/R	Fitting Options:	
	2200222	1	Fitting, Plug	
	2180798	1	Fitting (601S - With a "Enhanced Hostile Environment Package")	
22		A/R	Switch, Restriction Indicator Switch Options	
	Not Required	0	Model 601S	
	4360392	1	Model 601S - With a "Enhanced Hostile Environment Package"	
23	3422446	1	Pin, Pivot	
24	3841143	1	Pin, Keeper	
25		A/R	Seal Options:	
	Not Required	0	Model 601S	
	3960389	1	Model 601S - With a "Enhanced Hostile Environment Package"	
26	0940070	1	Bumper	
27		A/R	Angle, Seal Mounting Options:	
	Not Required	0	Model 601S	
	0181979	1	Model 601S - With a "Enhanced Hostile Environment Package"	
28	2720398	2	Hose, Oil Cooler	
29	1703162	2	Decal - Caution Fan Blade	
30	1320016	4	Clamp	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION - 4CYL (WITHOUT ADE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
31	2901392	1	Throttle Mounting Kit	
31A	7008833	1	Bracket, Throttle	
31B	7008835	1	Coupling, Ball Joint	
31C		1	Spring Options:	
	7008836		Spring (Addco Version)	
	7027250		Spring (Deutz Version)	
31D	7023340	1	Screw, Shoulder 3/8" x 3/8" (Not Shown)	
32	2220451	2	Fitting, Straight	
33	3931620	2	Capscrew, 3/8"-16NC x 1 1/4"	
34	0902511	1	Bracket, Control Module Mounting	
35	0641818	2	Bolt 1/2"-13NC x 2 1/4"	
36	3311805	4	Locknut 1/2"-13NC	
37	0641610	21	Bolt 3/8"-16NC x 1 1/4"	
38	3311605	22	Locknut 3/8"-16NC	
39	4751600	44	Flatwasher 3/8" Wide	
40	0771414	4	Bolt, Metric M14-2 x 30mm	
41	4891600	2	Flatwasher, Hardened	
42	0641407	13	Bolt 1/4"-20NC x 7/8"	
43	4751400	20	Flatwasher 1/4"	
44	3311405	13	Locknut 1/4"-20NC	
45	0721005	2	Screw #10-24NC x 5/8"	
46	3311005	2	Locknut #10-24NC	
47	4751000	2	Flatwasher #10	
48	1320022	6	Clamp, Hose	
49	2220273	1	Fitting, Reducer	
50	2180536	1	Fitting, Barbed	
51	2220313	1	Fitting, 90°	
52	2750532	5.5ft/1.7m	Hose	
53	2220250	1	Fitting, Reducer	
54	2220459	1	Fitting, 90°	
55	2720271	11ft./3.4m	Hose 3/16"	
56	0641812	2	Bolt 1/2"-13NC x 1 1/2"	
57	0100020	A/R	Sealant, Thread	
58	0100011	A/R	Loctite #242	
59	Not Used			
60	2720449	1	Coupling, Rubber Intake	
61	0700808	5	Bolt, Metric M8 x 16mm	
62	Use 2910000	1	Actuator Assembly (Was p/n 0060033) (See Section 7 for Breakdown)	
63	4831900	1	Lockwasher 8mm	
64	Not Used			
65	2720434	1	Elbow, Rubber	
66	4845395	1	Adapter, Air Intake	
67	0641510	3	Bolt 5/16"-18NC x 1 1/4"	
68	3311405	4	Locknut 1/4"-20NC	
69	0961986	2	Bushing, Flanged	
70	2901568	1	Battery Cable Kit	
70A	7016813	1	Cable, Battery (Red)	
70B	7016814	1	Cable, Battery (Black)	
70C	7016803	1	Cable (Red)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION - 4CYL (WITHOUT ADE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
70D	7016816	1	Cable (Red)	
71	Not Used			
72	4360294	1	Breaker, Circuit	
73	1320222	2	J-Clip 3/8"	
74	1320223	3	Clamp, J-Clip	
75	0641606	3	Bolt 3/8"-16NC x 3/4"	
76	3422532	1	Pin, Hitch	
77	3790152	1	O-Ring	
78	3960407	1	Gasket, Air Intake	
79	4791400	4	Lockwasher 1/4"	
80	0701012	4	Bolt 10mm x 25mm	
81	0701015	4	Bolt 10mm x 35mm	
82	0642010	1	Bolt 5/8"-11NC x 1 1/4"	
83	4752000	1	Flatwasher 5/8" Wide	
84	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
85	2720058	11ft/3.4m	Hose	
86	2220794	1	Fitting, Barbed	
87	4711600	3	Flatwasher 3/8" Narrow	
88	Not Used			
89	3200362	2	Mount, Rubber Engine (Front)	
90	4711400	1	Flatwasher 1/4" Narrow	
91	4100026	2.5ft/0.8m	Sleeve, Nylon	
92	4240033	A/R	Strap, Tie	
93		A/R	Plug 3/8" Options:	
	Not Required	0	Model 601S	
	3520060	1	Model 601S - With a "Enhanced Hostile Environment Pack- age"	
94	4060805	1.3ft/0.4m	Flex-Trim	
95	4060804	0.58ft/0.18m	Flex-Trim	
96	1060637	1	Cable, Lanyard	
97	0641808	2	Bolt 1/2"-13NC x 1"	
98	3311801	1	Nut 1/2"-13NC	
99	4751800	1	Flatwasher 1/2" Wide	
100		A/R	Cap, Plug Options:	
	Not Required	0	Model 601S	
	3520035	1	Model 601S - With a "Enhanced Hostile Environment Pack- age"	
101		A/R	Plug 1" Options:	
	Not Required	0	Model 601S	
	3520033	1	Model 601S - With a "Enhanced Hostile Environment Pack- age"	
102		A/R	Adhesive, Superbonder Options:	
	Not Required	0	Model 601S	
	0100010	A/R	Model 601S - With a "Enhanced Hostile Environment Pack- age"	
103		A/R	Plug Options:	
	Not Required	0	Model 601S	
	3520054	4	Model 601S - With a "Enhanced Hostile Environment Pack- age"	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION - 4CYL (WITHOUT ADE) (CONTINUED)

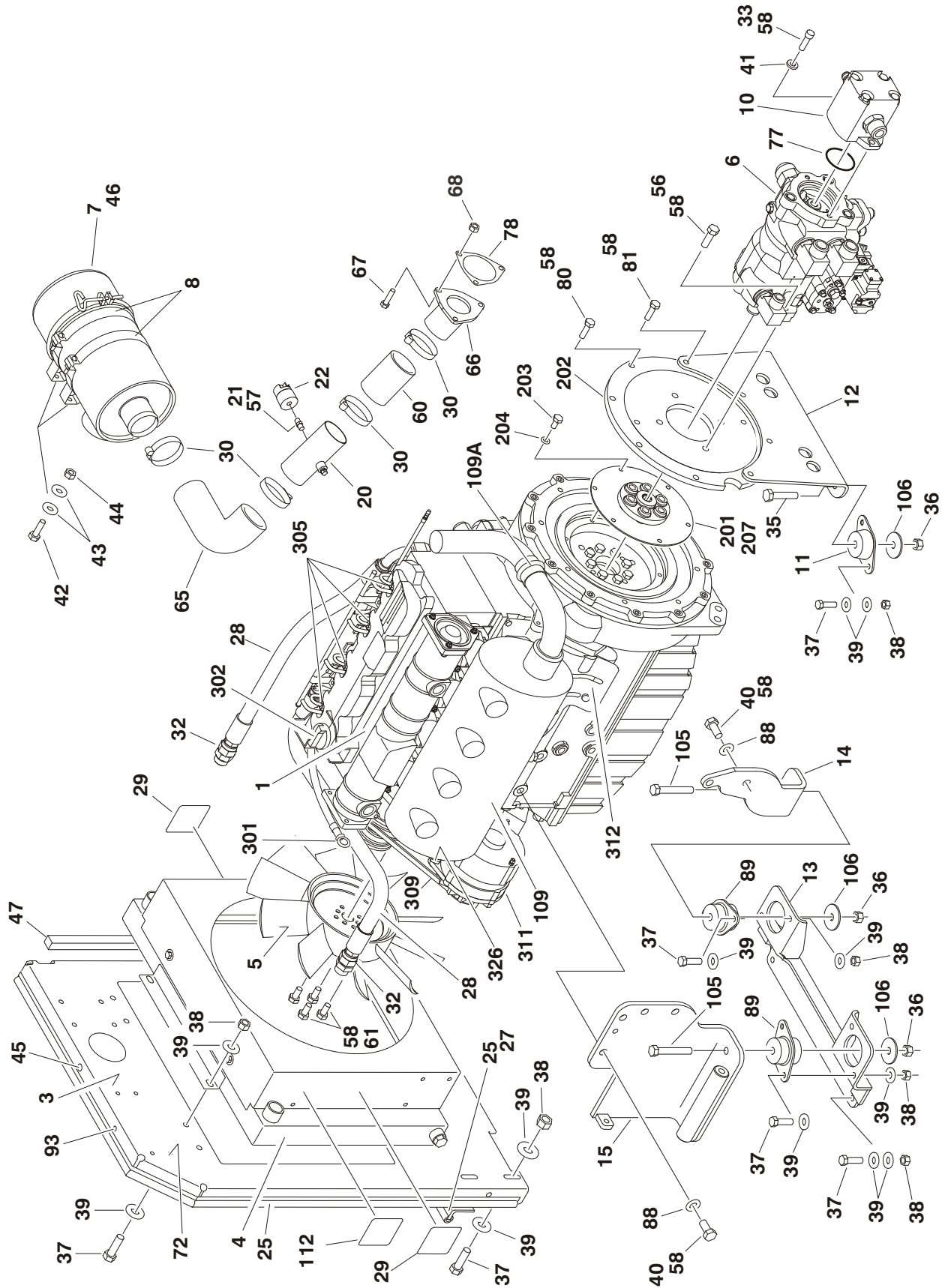
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
104		A/R	Plug 5/16" Options:	
	Not Required	0	Model 601S	
	3520034	4	Model 601S - With a "Enhanced Hostile Environment Package"	
105	0641826	2	Bolt 1/2"-13NC x 3 1/4"	
106	4740274	4	Washer, Snubbing	
107	Not Used			
108		A/R	Plug 9/16" Options:	
	Not Required	0	Model 601S	
	3520085	4	Model 601S - With a "Enhanced Hostile Environment Package"	
109	1001100680	1	Muffler, Spark Arresting	
	7024398	1	Tube, Exhaust	
	7024560	1	Plug, Brass	
110		A/R	Cleaner, Air Pre-Cleaner Options:	
	Not Required	0	601S	
	1340061	1	601S - With a "Enhanced Hostile Environment Package"	
111		A/R	Seal Options:	
	Not Required	0	Model 601S	
	3960511	1	Model 601S - With a "Enhanced Hostile Environment Package"	
	0256847	Ref.	PUMP COUPLING INSTALLATION	2
201	1660234	1	Coupling, Hayes	
202	0080163	1	Plate, Pump Adapter	
203	0700810	6	Bolt Metric 8mm x 20mm	
204	4831900	6	Lockwasher 8mm	
205 to 206	Not Used			
207	3020021	A/R	Grease, Coupling	
	2000146	Ref.	ENGINE COMPONENTS	
301	7016328	1	Filter, Fuel	
302	7000663	1	Alternator	
303	7016330	1	Sensor, Oil Pressure (Not Shown)	
304	7016331	1	Filter, Oil	
305	7016332	1	Starter	
306	7019664	1	Kit, Dipstick (Not Shown)	
307	7020025	1	Sensor, Oil Temperature (Not Shown)	
308	7020414	1	V-Belt	
309	7020463	1	Pump Fuel Supply	
310	70002234	1	Strap, Alternator	
311		1	Gasket, Cylinder Head Options (Not Shown):	
	70001681		1 Notch	
	70002411		2 Notches	
	70002530		3 Notches	
312	7027250	1	Spring, Shutdown Device (Not Shown)	D

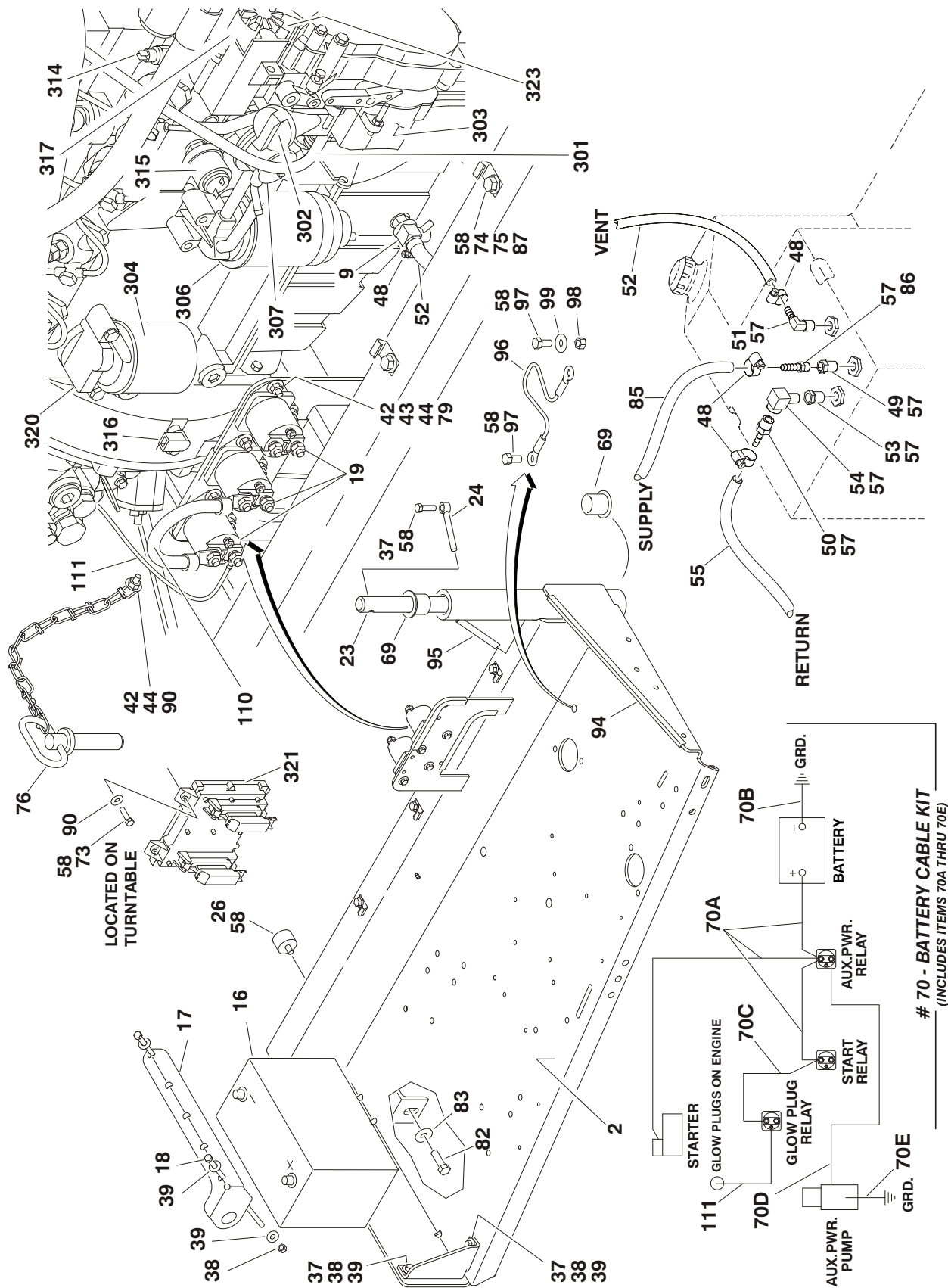
FIGURE 2-11. DEUTZ ENGINE INSTALLATION - 4CYL (WITHOUT ADE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-12. DEUTZ ENGINE INSTALLATION - 4CYL (WITH ADE)





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FIGURE 2-12. DEUTZ ENGINE INSTALLATION - 4CYL (WITH ADE)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DEUTZ ENGINE INSTALLATIONS	
	10001100719	Ref.	601S	1/A
	10001100721	Ref.	601S (W/Hydraulic Welder)	1/A
	1001100720	Ref.	601S - With a "Enhanced Hostile Environment Package"	1/A
1	2000339	1	Engine, Deutz - F4M1011F	
2		1	Tray, Engine Options:	
	4845404		601S	
	4845947		601S - With a "Enhanced Hostile Environment Package"	
3	3539872	1	Plate, Radiator Mounting	
4	3620033	1	Radiator	
5	2060025	1	Fan	
6		1	Piston Pump Assembly Options:	
	3600260		Standard (See Figure 2-18 for Breakdown)	
	3600333		W/Hydraulic Welder (See Figure 2-20 for Breakdown)	
7	1340060	1	Air Cleaner Assembly Including Filter Element	
	7012664	1	Element, Filter (Not Shown)	
8	0340041	2	Band, Air Cleaner	
9	4640751	1	Valve, Oil Drain	
10		1	Gear Pump Assembly Options:	
	3600242		Standard (See Figure 2-21 for Breakdown)	
	3600368		W/Hydraulic Welder (No Service Parts Available)	
11	3200406	2	Mount, Rubber Engine (Rear)	
12	3574978	1	Plate, Engine Mounting (Rear)	
13	3539971	1	Plate, Engine Mounting (Front Bottom)	
14	3537416	1	Plate, Engine Mounting (Front Right Side)	
15	4846566	1	Plate, Engine Mounting (Front Left Side)	
16	0400075	1	Battery	
17	0181727	1	Hold-down, Battery	
18	0630498	2	Bolt, Battery Hold-down	
19	3740067	3	Relay	
20	4567495	1	Tube, Air Intake	
21		A/R	Fitting Options:	
	2200222	1	Fitting, Plug	
	2180798	1	Fitting (601S - With a "Enhanced Hostile Environment Package")	
22		A/R	Switch, Restriction Indicator Switch Options:	
	Not Required	0	Model 601S	
	4360392	1	Model 601S - With a "Enhanced Hostile Environment Package"	
23	3422446	1	Pin, Pivot	
24	3841143	1	Pin, Keeper	
25		A/R	Seal Options:	
	Not Required	0	Model 601S	
	3960389	5ft./1.5m	Model 601S With a "Enhanced Hostile Environment Package"	
26	0940070	1	Bumper	
27		1	Angle, Seal Mount Options:	
	Not Required		Model 601S	
	0181979		Model 601S With a "Enhanced Hostile Environment Package"	

SECTION 2 TURNTABLE

FIGURE 2-12. DEUTZ ENGINE INSTALLATION - 4CYL (WITH ADE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
28	2720398	2	Hose, Oil Cooler	
29	1703162	2	Decal - Caution Fan Blade	
30	1320016	4	Clamp	
31	Not Used			
32	2220451	2	Fitting, Straight	
33	3931620	2	Capscrew, 3/8"-16NC x 1 1/4"	
34	Not Used			
35	0641818	2	Bolt 1/2"-13NC x 2 1/4"	
36	3311805	4	Locknut 1/2"-13NC	
37	0641610	21	Bolt 3/8"-16NC x 1 1/4"	
38	3311605	22	Locknut 3/8"-16NC	
39	4751600	44	Flatwasher 3/8" Wide	
40	0771414	6	Bolt, Metric M14-2 x 30mm	
41	4891600	2	Flatwasher, Hardened	
42	0641407	13	Bolt 1/4"-20NC x 7/8"	
43	4751400	21	Flatwasher 1/4"	
44	3311405	21	Locknut 1/4"-20NC	
45		1	Plug 9/16" Options:	
	Not Required		Model 601S	
	3520085		Model 601S With a "Enhanced Hostile Environment Package"	
46		1	Cleaner, Air Pre-Cleaner Options:	
	Not Required		Model 601S	
	1340061		Model 601S With a "Enhanced Hostile Environment Package"	
47		1	Seal, Foam Gasket Options:	
	Not Required		Model 601S	
	3960511		Model 601S With a "Enhanced Hostile Environment Package"	
48	1320022	6	Clamp, Hose	
49	2220273	1	Fitting, Reducer	
50	2180536	1	Fitting, Barbed	
51	2220313	1	Fitting, 90°	
52	2750532	5.5ft/1.7m	Hose	
53	2220250	1	Fitting, Reducer	
54	2220459	1	Fitting, 90°	
55	2720271	11ft./3.4m	Hose 3/16"	
56	0641812	2	Bolt 1/2"-13NC x 1 1/2"	
57	0100020	A/R	Sealant, Thread	
58	0100011	A/R	Loctite #242	
59	Not Used			
60	2720449	1	Coupling, Rubber Intake	
61	0700808	4	Bolt, Metric M8 x 16mm	
62 to 64	Not Used			
65	2720434	1	Elbow, Rubber	
66	4845395	1	Adapter, Air Intake	
67	0641510	3	Bolt 5/16"-18NC x 1 1/4"	
68	3311405	3	Locknut 1/4"-20NC	
69	0961986	2	Bushing, Flanged	
70	2902296	1	Battery Cable Kit	
70A	1001116240	1	Cable, Battery (Red) (was p/n 7027000)	
70B	7027004	1	Cable, Battery (Black)	

SECTION 2 TURNTABLE

FIGURE 2-12. DEUTZ ENGINE INSTALLATION - 4CYL (WITH ADE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
70C	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit - Purchase as Individual Item)	
70D	7027002	1	Cable (Red)	
70E	7027003	1	Cable (Black)	
71	Not Used			
72	Not Required	4	Plug 5/16" Options: Model 601S	
	3520034		Model 601S With a "Enhanced Hostile Environment Package"	
73	0641410	4	Bolt 1/4"-20NC x 1 1/4"	
74	1320223	4	Clamp, J-Clip	
75	0641606	3	Bolt 3/8"-16NC x 3/4"	
76	3422532	1	Pin, Hitch	
77	3790152	1	O-Ring	
78	3960407	1	Gasket, Air Intake	
79	4791400	6	Lockwasher 1/4"	
80	0701012	4	Bolt 10mm x 25mm	
81	0701015	4	Bolt 10mm x 35mm	
82	0642010	1	Bolt 5/8"-11NC x 1 1/4"	
83	4752000	1	Flatwasher 5/8" Wide	
84	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
85	2720058	11ft/3.4m	Hose	
86	2220794	1	Fitting, Barbed	
87	4711600	3	Flatwasher 3/8" Narrow	
88	4812200	6	Flatwasher (Metric) 14mm	
89	3200362	2	Mount, Rubber Engine (Front)	
90	4711400	5	Flatwasher 1/4" Narrow	
91	4100026	2.5ft/0.8m	Sleeve, Nylon (Not Shown - Located on Drive Hoses)	
92	4240033	A/R	Strap, Tie (Not Shown - Located on Drive Hoses)	
93	Not Required	1	Plug 3/8" Options: Model 601S	
	3520060		Model 601S With a "Enhanced Hostile Environment Package"	
94	4060805	1.3ft/0.4m	Flex-Trim	
95	4060804	0.58ft/0.18m	Flex-Trim	
96	1060637	1	Cable, Lanyard	
97	0641808	2	Bolt 1/2"-13NC x 1"	
98	3311801	1	Nut 1/2"-13NC	
99	4751800	1	Flatwasher 1/2" Wide	
100	Not Required	1	Plug 1 1/2" Options (Not Shown): Model 601S	
	3520035		Model 601S With a "Enhanced Hostile Environment Package"	
101	Not Required	1	Plug 1" Options (Not Shown): Model 601S	
	3520033		Model 601S With a "Enhanced Hostile Environment Package"	
102	Not Required	A/R	Adhesive Options (Not Shown): Model 601S	
	0100010		Model 601S With a "Enhanced Hostile Environment Package"	
103	Not Required	4	Plug 7/16" Options (Not Shown): Model 601S	
	3520054		Model 601S With a "Enhanced Hostile Environment Package"	

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FIGURE 2-12. DEUTZ ENGINE INSTALLATION - 4CYL (WITH ADE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
104	Not Used			
105	0641826	2	Bolt 1/2"-13NC x 3 1/4"	
106	4740274	4	Washer, Snubbing	
107 to 108	Not Used			
109	1001100680	1	Muffler, Spark Arresting	
	7024398	1	Tube, Exhaust	
	7024560	1	Plug, Brass	
109A	1320176	1	Clamp, Muffler	
110	1060904	1	Cable, Jumper	
111	4923379	1	Harness, Glow Plug	
112	1704972	1	Decal - Warning Explosion/Fire	
113	Not Used			
	0256847	Ref.	PUMP COUPLING INSTALLATION	2
201	1660234	1	Coupling, Hayes	
202	0080163	1	Plate, Pump Adapter	
203	0700810	6	Bolt Metric 8mm x 20mm	
204	4831900	6	Lockwasher 8mm	
205 to 206	Not Used			
207	3020021	A/R	Grease, Coupling	
	2000339	Ref.	ENGINE COMPONENTS	D
301	7026631	1	Dipstick	
	7020487	1	Seal, Dipstick	
	70001002	1	Housing, Dipstick	
302	7020465	1	Cap, Filler	
303	70000045	1	Pump, Oil Lube	
	7020468	1	Seal Between Oil Pump & Engine Block (Not Shown)	
304	7016331	1	Filter, Oil	
305		4	Pump, Injector Options:	
	7027246		Series A Injector	
	7027608		Series B Injector	
	7027609		Series C Injector	
	7027610		Series D Injector	
	7020447	4	Gasket Options (1 per Injector):	
306	7016328	1	Filter, Fuel	
307	70000916	1	Pump Fuel Supply	
	70000919	1	Pump, Hand	
	7020411	1	O-Seal (Between Fuel Pump & Engine Block) (Not Shown):	
308	7020449	4	Gasket, Intake Manifold (Not Shown)	
309	7020408	1	V-Belt	
310	7020471	4	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
311	7000663	1	Alternator	
	7020464	1	Regulator, Voltage (Not Shown)	
312	7020479	1	Starter	
	7026608	1	Relay	
313	Not Available	2	Plug- In Connector (Not Shown)	

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FIGURE 2-12. DEUTZ ENGINE INSTALLATION - 4CYL (WITH ADE) (CONTINUED)

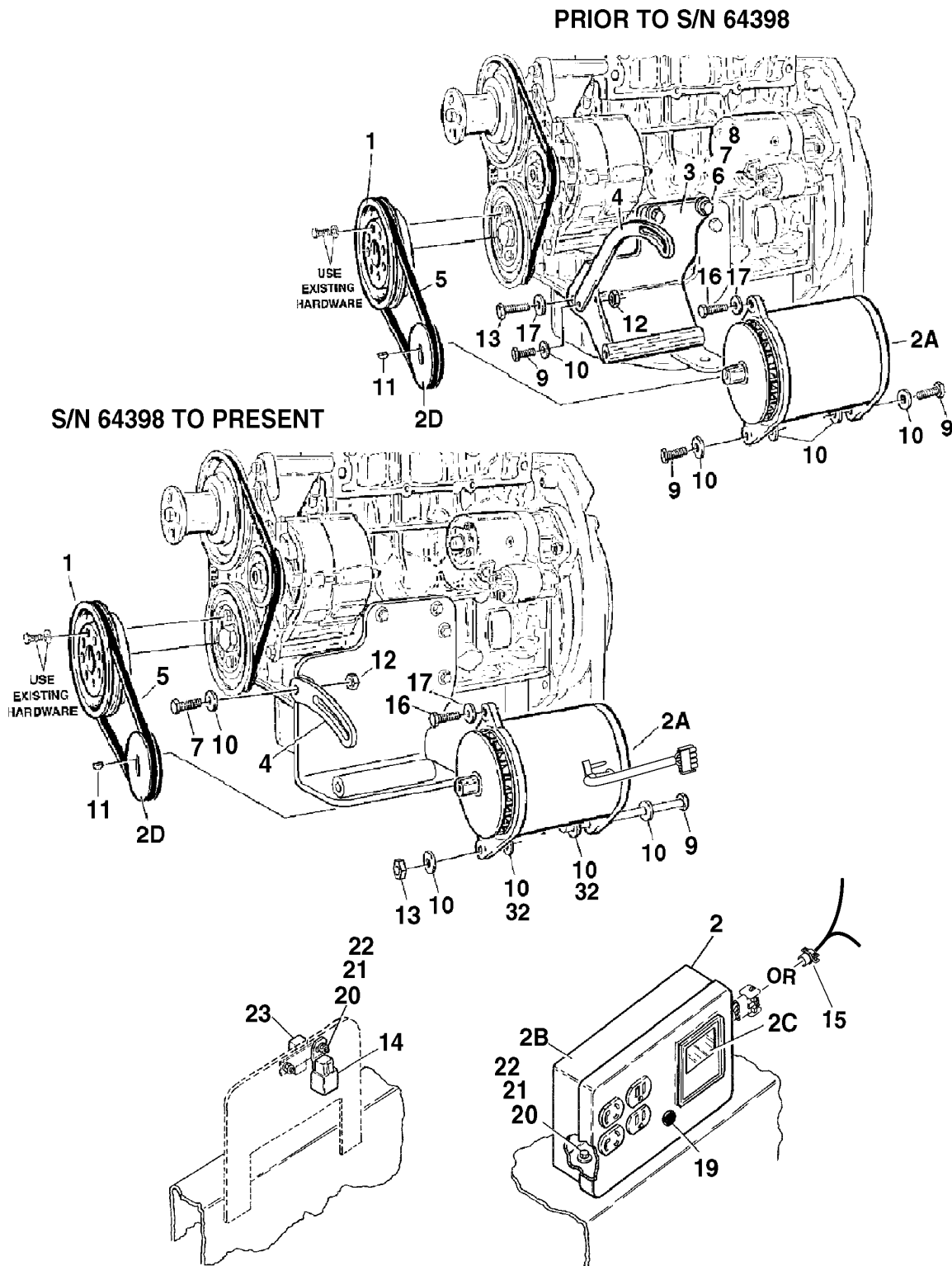
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
314	7027791	1	Transmitter, Temperature	
	Not Available	1	Ring, Sealing	
315	7027790	1	Sensor, Oil Pressure	
316	7024565	1	Sensor, Speed	
317	7027792	1	Actuator, Throttle	
	7027276	2	Spring, Actuator	
318	7020459	1	Thermostat (Located at rear of engine block - Not Shown)	
	7020460	1	Spring, Compression	
319	70000264	1	Flywheel (Not Shown)	
	7024579	1	Gear, Ring 110 Tooth (Located on Flywheel - Not Shown)	
320	7027236	1	Sender, Temperature	
321	7027795	1	Module, Control	
422	70000345	4	Plug, Glow (Not Shown)	
323	7027239	1	Solenoid, Start	
324	70001847	1	Breather Valve (Not Shown)	
	70001126	1	Seal, Breather Valve (Not Shown)	
325	70002200	8	Stud, Exhaust Manifold to Engine Block (Not Shown)	
326	70002234	1	Strap, Alternator	

FIGURE 2-12. DEUTZ ENGINE INSTALLATION - 4CYL (WITH ADE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-13. GENERATOR INSTALLATION (DEUTZ ENGINE MODEL - 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE")



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**FIGURE 2-13. GENERATOR INSTALLATION (DEUTZ ENGINE MODEL - 601S WITH A
“ENHANCED HOSTILE ENVIRONMENT PACKAGE”)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0259312	Ref.	GENERATOR INSTALLATIONS (PRIOR TO S/N 62137)	1
	0270801	Ref.	GENERATOR INSTALLATIONS (WITH ADE SYSTEM) (S/N 62137 TO S/N 64254)	1
	0271049	Ref.	GENERATOR INSTALLATIONS (WITH ADE SYSTEM) (S/N 64254 TO S/N 82632)	4/D
	0274080	Ref.	GENERATOR 110V INSTALLATIONS (WITH ADE SYSTEM) (S/N 82632 TO PRESENT)	2/B
1	3580158	1	Pulley	
2		1	Generator & Control Box Options:	
	2460011		Prior to S/N 66085	
	2460032		S/N 66085 to S/N 82632	
	2460055		S/N 82632 to Present	
2A	7012558	1	Generator	
			Note: Replacement Generator p/n 7012558 come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
	7026199	1	Armature with Slip Rings	
	7012513	4	Cap, Brush Holder	
	7020108	4	Brush	
	7020109	4	Holder, Brush	
	7012514	1	Fan	
	7020110	1	Bell, Front	
	7020111	1	Bell Rear	
	7020190	2	Bearing	
2B	7003657	1	Box, Control	
			Note: Replacement 110V Control Box comes with 2 std Receptacle p/n 4460190. Optional Industrial Twist Lock Receptacles p/n 4460027 must be ordered separately.	
	Use 4360542	1	Breaker, Circuit (was p/n 7020194)	
	2920162	1	Lamp	
	7020191	1	Switch, Toggle	
	3520028	1	Plug, Hole	
2C	Use 2420203	1	Voltmeter (was p/n 7010699)	
2D		1	Pulley Options:	
	3580134		Prior to S/N 66085	
	7020107		S/N 66085 to Present	
	7027887	1	Key, Woodruff	
3	4845531	1	Weldment, Generator Mount (Prior to S/N 64398)	
4		1	Arm, Adjustment Options:	
	0200530		Prior to S/N 64398	
	0200741		S/N 64398 to Present	
5		1	V-Belt Options:	
	0480050		Prior to S/N 64398	
	0480119		S/N 64398 to S/N 66085	
	0480111		S/N 66085 to Present	
6	0711414	2	Bolt Metric 14mm x 30mm (Prior to S/N 64398)	

SECTION 2 TURNTABLE

FIGURE 2-13. GENERATOR INSTALLATION (DEUTZ ENGINE MODEL - 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE") (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
7		A/R	Hardware Options:	
	4751900	2	Flatwasher 9/16" (Prior to S/N 64398)	
	0641610	1	Bolt 3/8"-16NC x 1 1/4" (S/N 64398 to Present)	
8	0100011	A/R	Loctite #242	
9		A/R	Bolt Options:	
	0681612	3	Bolt 3/8"-16NC x 1 1/2" (Prior to S/N 64398)	
	0641772	1	Bolt 7/16"-14NC x 9" (S/N 64398 to Present)	
10	4751600	6	Flatwasher 3/8"	
11	2860012	1	Key, Woodruff	
12	3311605	1	Locknut 3/8"-16NC	
13		A/R	Hardware Options:	
	0700819	1	Bolt 8mm x 55mm (Prior to S/N 64398)	
	3311705	1	Locknut 7/16"-14NC (S/N 64398 to Present)	
14	3740080	1	Relay	
15	4460023	1	Connector, Strain Relief (Prior to S/N 82632)	
16	0641508	A/R	Bolt 5/16"-18NC x 1"	
17	4751500	A/R	Flatwasher 5/16"	
18	Not Used			
19	3520028	1	Plug, Hole	
20	0721006	4	Bolt #10-24NC x 3/4"	
21	3311005	4	Locknut #10-24NC	
22	4751000	9	Flatwasher #10	
23	4360294	1	Breaker, Circuit 30 Amp (Prior to S/N 82632)	
24	Not Used			
25	4360336	1	Switch, Toggle (Not Shown - Located on Platform)	
26	4740397	1	Bushing (Not Shown - Located on Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located on Platform)	
28	Not Used			
29	2820031	4in/10cm	Heatshrink (Not Shown - Located on Platform)	
30	3251102	1	Decal - On/Off (Not Shown - Located on Platform)	
31	3571497	1	Plate, Box Mounting (Prior to S/N 62137)	
32	4070585	A/R	Shim (S/N 92880 to Present)	

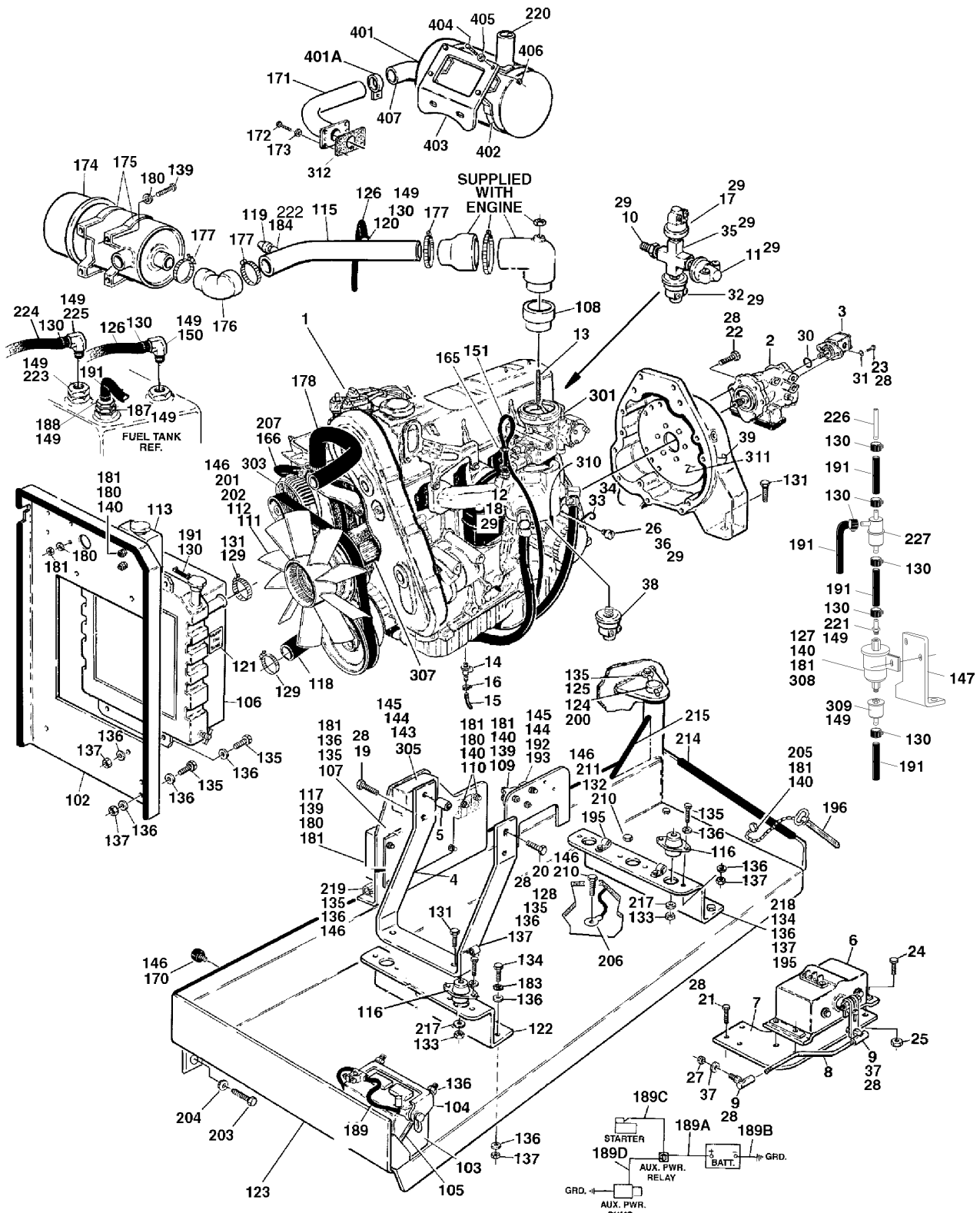
	2902085	1	Kit, Powermite Generator (Includes Items 4, 5, 7, 9, 10, 12, 13, 16, 17 and Generator Mounting Bracket & Mounting Hardware)	

FIGURE 2-13. GENERATOR INSTALLATION (DEUTZ ENGINE MODEL - 601S WITH A
“ENHANCED HOSTILE ENVIRONMENT PACKAGE”) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-14. FORD ENGINE INSTALLATION - LRG425 WITH CARBURETOR (PRIOR TO S/N 58209)



SECTION 2 TURNTABLE

FIGURE 2-14. FORD ENGINE INSTALLATION - LRG425 WITH CARBURETOR (PRIOR TO S/N 58209)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0257992	Ref.	ENGINE ASSEMBLIES	4
1		1	Engine - Ford LRG-425 Options: Prior to S/N 39829 S/N 39829 to S/N 58209	
	2000156			
	2000160			
2	3600260	1	Piston Pump Assembly (See Figure 2-18 for Breakdown)	
3	3600242	1	Gear Pump Assembly (See Figure 2-21 for Breakdown)	
4	3539972	1	Plate, Engine Mounting - Front	
5	4566605	1	Tube, Spacer	
6	2500005	1	Actuator, Precision Governor	
7	0902088	1	Bracket, Precision Governor	
8	3841255	1	Rod, Throttle	
9	1660157	2	Coupling, Ball joint	
10	2220437	1	Fitting, Reducer	
11	4360037	1	Switch, Oil Pressure (Normal Open)	
12	2220273	1	Fitting, Reducer	
13	4300056	1	Stud, Carburetor	
14	4640989	1	Valve, Oil Drain	
15	2750532	6in/21cm	Hose	
16	1320022	1	Clamp	
17	4360405	1	Switch, Oil Pressure (Make Before Break)	
18	2180536	1	Fitting, Barbed	
19	0701022	2	Bolt, Metric 10mm-1.5 x 70mm	
20	0701014	2	Bolt, Metric 10mm-1.5 x 30mm	
21	0700810	3	Bolt, Metric 8mm-1.25 x 20mm	
22	0641812	4	Bolt 1/2"-13NC x 1 1/2"	
23	3931620	2	Capscrew, 3/8"-16NC x 1 1/4"	
24	0641408	4	Bolt 1/4"-20NC x 1"	
25	3311405	5	Locknut 1/4"-20NC	
26	2220250	1	Fitting, Reducer	
27	3321401	2	Nut 1/4"-28NF	
28	0100011	A/R	Loctite #242	
29	0100020	A/R	Sealant, Pipe	
30	3790152	1	O-Ring	
31	4891600	2	Washer, Hardened 3/8"	
32	4360065	1	Switch, Oil Pressure (L.P. Vacuum Switch)	
33	4564281	1	Tube, Dipstick	
34	2420187	1	Dipstick	
35	2220994	1	Fitting, Cross	
36	4360157	1	Switch, Water Temperature	
37	4751000	2	Flatwasher #10	
38	4360455	1	Switch, Temperature	
39	1320223	3	Clamp, J-Clip	
40	1320222	1	Clamp, J-Clip (Not Shown)	

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FIGURE 2-14. FORD ENGINE INSTALLATION - LRG425 WITH CARBURETOR (PRIOR TO S/N 58209) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258392	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S	6/F
101	Not Used			
102	3539872	1	Mount, Radiator	
103	0400075	1	Battery	
104	0181727	1	Tie-Down	
105	0630498	2	Bolt, Tie-Down	
106	3620040	1	Radiator	
107	3538873	1	Bracket, Controller	
108	0080091	1	Choke Adapter	
109	3740067	1	Relay, Auxiliary Power Relay	
110	3740080	2	Relay, Bosch Relay	
111	0080214	1	Adapter, Fan Spacer	
112	2060025	1	Fan, Suction	
113	1580011	1	Container, Coolant Overflow Container	
114	Not Used			
115	4845035	1	Tube, Air Cleaner	
116	3200362	4	Mount, Rubber	
117	1600211	1	Controller, Governor	
118	2720435	1	Hose, Lower Radiator (Lower)	
119	4360392	1	Switch, Restriction Indicator Switch (Prior to S/N 39819)	
120	2220720	1	Fitting, Barbed	
121	1703162	2	Decal - Fan Blade	
122	3570103	1	Plate, Engine Mount (Front)	
123	4845404	1	Tray, Engine	
124	3422446	1	Pin, Pivot	
125	3841143	1	Pin, Keeper	
126	2750532	6ft/1.8m	Hose	
127	4791400	9	Lockwasher 1/4"	
128	1320060	2	Clamp, Hose - 0.625	
129	1320012	4	Clamp, Hose, Radiator	
130	1320022	15	Clamp, Hose	
131	0641828	4	Bolt 1/2"-13NC x 3 1/2"	
132	4751800	1	Flatwasher 1/2"	
133	3311805	4	Hex Nut 1/2" - 13UNC	
134	0641610	10	Bolt 3/8"-16NC x 1 1/4"	
135	0641608	18	Bolt 3/8"-16NC x 1"	
136	4751600	63	Flatwasher 3/8"	
137	3311605	27	Locknut 3/8"-16UNC	
138	Not Used			
139	0641408	8	Bolt 1/4"-20NC x 1"	
140	0641406	15	Bolt 1/4"-20NC x 3/4"	
141	Not Used			
142	Not Used			
143	0721006	2	Bolt #10-24NC x 3/4"	
144	4751000	4	Flatwasher #10	
145	3311005	4	Hex Nut #10-24NC	
146	0100011	A/R	Loctite #242	

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FIGURE 2-14. FORD ENGINE INSTALLATION - LRG425 WITH CARBURETOR (PRIOR TO S/N 58209) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
147	3570104	1	Plate, Fuel Pump	
148	Not Used			
149	0100020	A/R	Sealant, Pipe	
150	2180467	1	Fitting, 90° Barbed	
151	2720271	4.5ft/1.4m	Vacuum Hose 3/16"	
152 to 164	Not Used			
165	4240033	1	Strap, Tie	
166	4240099	3	Strap, Tie	
167 to 169	Not Used			
170	0940070	1	Bumper, Rubber	
171	4567071	1	Tube, Exhaust	
172	0701012	4	Bolt 10m x 1.5 x 25 mm	
173	4832000	4	Lockwasher	
174	1340060	1	Air Cleaner Assembly	
	7012664	1	Filter, Air Cleaner	
175	0340041	2	Band, Muffler/Air Cleaner	
176	0080201	1	Fitting, 90° Reducing	
177	1320016	3	Clamp, Worm Gear	
178	2720436	1	Hose, Radiator (Upper)	
179	Not Used			
180	4751400	27	Flatwasher 1/4"	
181	3311405	23	Locknut 1/4"-20UNC	
182	Not Used			
183	4791600	4	Star Washer 3/8"	
184	2180798	1	Fitting, Restriction Indicator (Prior to S/N 39819)	
185	2200223	1	Plug, Pipe (Prior to S/N 39819)	
182	Not Used			
186	2901608	1	Battery Cable Kit	
187	2220273	1	Fitting, Reducer	
188	2220270	1	Fitting, Reducer	
189	2901583	1	Battery Cable Kit	
189A	7016821	1	Cable, Battery (Red)	
189B	7016822	1	Cable, Battery (Black)	
189C	7016808	1	Cable (Red)	
189D	7016816	1	Cable (Red)	
190	Not Used			
191	2720058	13.8ft/4.2m	Hose 5/16"	
192	0721004	2	Bolt #10-24NC x 1/2"	
193	4360294	1	Breaker, Circuit-30 AMP	
194	Not Used			
195	1320223	4	Clamp, "J" Clip 1/2"	
196	3422532	1	Pin, Hitch	
197	1701542	1	Decal - Gasoline (Not Shown - Located at Fuel Filler)	
198	Not Used			
199	4567169	1	Tube, Fuel Line (Prior to S/N 39819)	
200	0961986	2	Bearing, Flange	
201	0700819	4	Bolt M8 x 1.25 x 55mm	
202	4831900	4	Lockwasher M8	

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FIGURE 2-14. FORD ENGINE INSTALLATION - LRG425 WITH CARBURETOR (PRIOR TO S/N 58209) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
203	0642010	1	Bolt 5/8"-11NC x 1 1/4"	
204	4752000	1	Flatwasher 5/8"	
205	4711400	1	Flatwasher, 1/4"	
206	1060637	1	Cable, Lanyard	
207	4100025	18in/46cm	Sleeve, Fiberglass	
208	Not Used			
209	Not Used			
210	1641808	2	Bolt 1/2"-13NC x 1"	
211	3311801	1	Hex Nut 1/2"-13 UNC	
212	Not Used			
213	Not Used			
214	4060806	16in/41cm	Flex-Trim	
215	4060804	19in/49cm	Flex-Trim	
216	Not Used			
217	4740274	4	Washer, Snubbing	
218	3570133	1	Bracket, Engine Mounting (Rear)	
219	0641606	3	Bolt 3/8"-16NC x 3/4"	
220	2901584	1	Exhaust Extension Kit	
221	2220315	2	Fitting	
222	2200221	1	Fitting	
223	2220250	1	Fitting, Reducer	
224	2720015	12ft/3.66m	Hose	
225	2220317	1	Fitting, 90° Barbed	
226	4567730	1	Tube, Fuel Line	
227	2120169	1	Filter, By-Pass	
		Ref.	ENGINE COMPONENTS	
301		1	Carburetor Options:	
	7019974		Prior to S/N 39829	
	7019988		S/N 39829 to S/N 58209	1
	7019975	1	Gasket, Carburetor	1
	7024321	1	Gasket, Carburetor - Top	
302		1	Starter (Not Shown)	
	7019986		Prior to S/N 39829	
	7012679		S/N 39829 to S/N 58209	
303	7019977	1	Alternator	
304	7019979	1	Belt, Drive	
305	7019961	1	Module, Ignition	
306	7019980	1	Harness, Engine Wiring (Not Shown)	
307	7019985	1	Water Pump Assembly	
308		1	Fuel Pump Assembly Options:	
	7016600		Prior to S/N 39829 (Facet)	
	7019983		S/N 39829 to S/N 58209 (Airtex)	
309	7016601	1	Strainer, Fuel	
310	7014501	1 Case	Filter, Oil (Case of 12)	
311	7019976	1	Flywheel	
	7016662	1	Coupling, Pump (15 Tooth)	

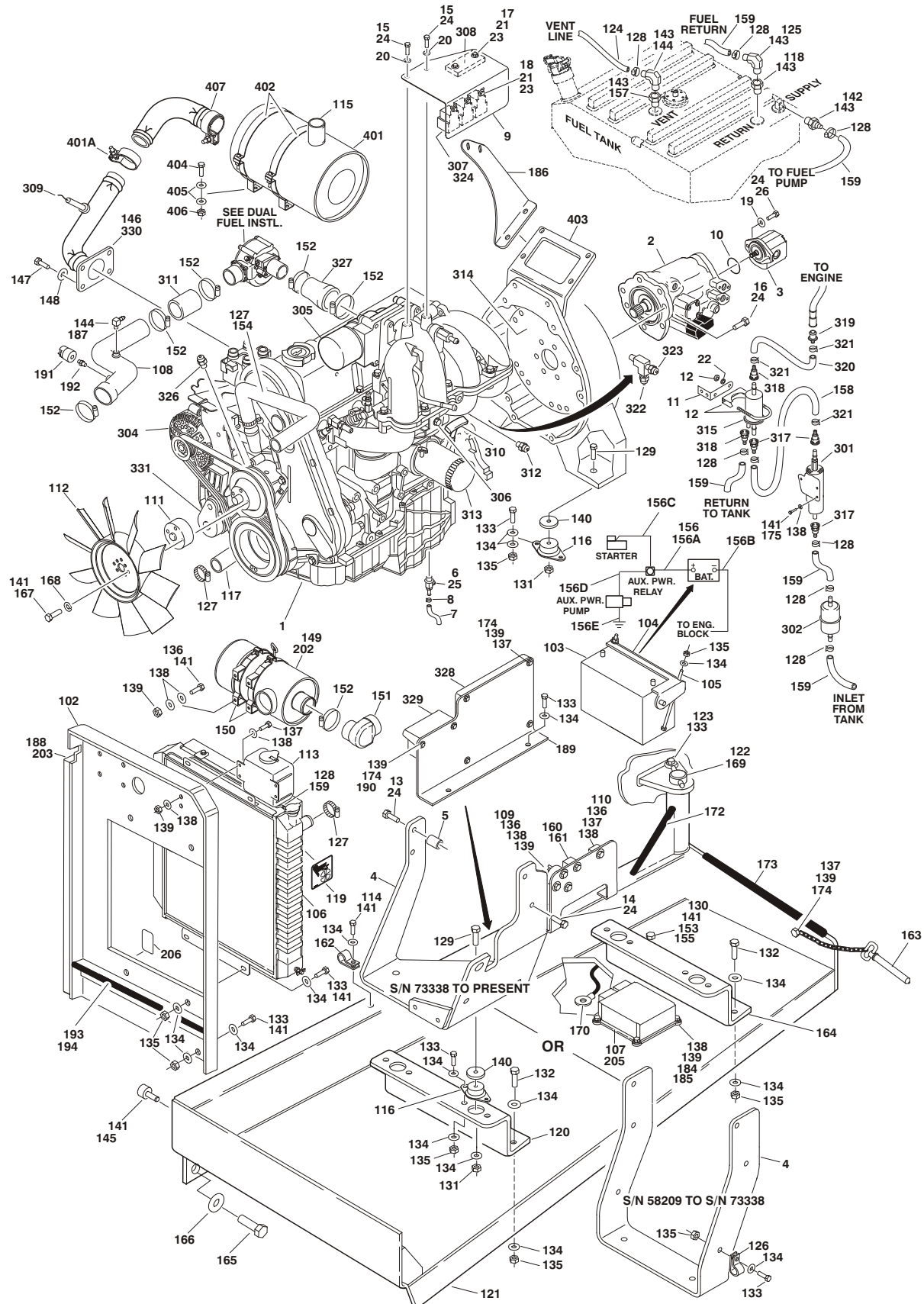
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FIGURE 2-14. FORD ENGINE INSTALLATION - LRG425 WITH CARBURETOR (PRIOR TO S/N 58209) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
312	70002307	1	Gasket, Exhaust (Manifold to Pipe)	2
313	7022143	1	Gasket, Exhaust (Manifold to Cylinder Head) (Not Shown)	
	0256685	Ref.	MUFFLER INSTALLATION - SPARK ARRESTING	
401	3220105	1	Muffler Spark Arresting	
401A	70001017	2	Clamp, Muffler	
402	0340046	2	Band	
403	0902309	1	Bracket, Muffler	
404	0641507	4	Bolt 5/16"-18NC x 7/8"	
405	4711500	8	Flatwasher 5/16" Narrow	
406	3311505	4	Locknut 5/16"-18NC	
407	4567073	1	Tube, Exhaust	

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FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)



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FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0259760	Ref.	ENGINE ASSEMBLY (S/N 58209 TO S/N 60188)	1/A
	0270765	Ref.	ENGINE ASSEMBLY - WITH ADE SYSTEM (S/N 60188 TO S/N 71583)	2/A
	0272896	Ref.	ENGINE ASSEMBLY - WITH ADE SYSTEM (S/N 71583 TO PRESENT)	2/B
	0271535	Ref.	ENGINE ASSEMBLY - WITH ADE SYSTEM (WITH HYDRAULIC WELDER) (S/N 58209 TO S/N 71583)	2/A
	0272915	Ref.	ENGINE ASSEMBLY - WITH ADE SYSTEM (WITH HYDRAULIC WELDER) (S/N 71583 TO PRESENT)	1/A
1		1	Engine - Ford LRG-425 Options:	
	2000166		Standard	
	2000174		With ADE System (S/N 58209 to S/N 71583)	
	2000193		With ADE System (S/N 71583 to Present)	
2		1	Piston Pump Assembly Options:	
	3600260		Standard (See Figure 2-18 for Breakdown)	
	3600333		W/Hydraulic Welder (See Figure 2-20 for Breakdown)	
3		1	Gear Pump Assembly Options:	
	3600242		Standard (See Figure 2-19 for Breakdown)	
			W/Hydraulic Welder Options (See Figure 2-22 for Breakdown):	
	3600297		S/N 58209 to S/N 70877	
	3600368		S/N 70877 to Present (No Service Parts Available)	
4		1	Plate, Engine Mounting - Front Options:	
	3539972		With Hydraulic Welder	
	3539972		Standard Machines (S/N 58209 to S/N 73338)	
	4846806		Standard Machines (S/N 73338 to Present)	
5	4566605	1	Tube, Spacer	
6	4640989	1	Valve, Oil Drain	
7	2750532	1ft/30.5cm	Hose	
8	1320022	1	Clamp	
9	3571498	1	Plate, Module Mounting	
10	3790152	1	O-Ring	
11	0902539	1	Bracket, Fuel Filter/Pressure Regulator	
12	1320019	1	Clamp, Exhaust	
13	0701022	2	Bolt, Metric 10mm-1.5 x 70mm	
14	0701014	2	Bolt, Metric 10mm-1.5 x 30mm	
15	0700810	A/R	Bolt, Metric 8mm-1.25 x 20mm	
16	0641812	2	Bolt 1/2"-13NC x 1 1/2"	
17	0721014	2	Bolt #10-24NC x 1 3/4"	
18	0721006	3	Bolt #10-24NC x 3/4"	
19	4891600	2	Washer, Hardened 3/8"	
20	4751500	2	Flatwasher 5/16"	
21	4751000	8	Flatwasher #10	
22	4761500	2	Lockwasher 5/16"	
23	3311005	5	Locknut #10-24NC	
24	0100011	A/R	Loctite #242	
25	0100020	A/R	Loctite #56747(with Hydraulic Welder Only)	
26	3931620	2	Screw 3/8"-16NC x 1 1/4"	

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FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0259768	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (S/N 58209 TO S/N 60188)	4/C
	0270800	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (WITH ADE SYSTEM) (S/N 60188 TO S/N 71583)	5/E
	0272908	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (WITH ADE SYSTEM) (S/N 71583 TO PRESENT)	3/C
	0270073	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (S/N 58209 TO S/N 60188)	4/C
	0270799	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (WITH ADE SYSTEM) (S/N 60188 TO S/N 71583)	4/E
	0272909	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (WITH ADE SYSTEM) (S/N 71583 TO PRESENT)	4/D
	0271536	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (WITH ADE SYSTEM) (WITH HYDRAULIC WELDER) (S/N 58209 TO S/N 71583)	2/B
	0272916	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (WITH ADE SYSTEM) (WITH HYDRAULIC WELDER) (S/N 71583 TO PRESENT)	3/C
101	Not Used			
102	3539872	1	Mount, Radiator	
103		1	Battery Options:	
	0400075		Battery (Wet)	
	7016180		Battery (Dry)	
104	0181727	1	Battery Hold-Down	
105	0630498	2	Bolt, Tie-Down	
106	3620040	1	Radiator	
	7019656	1	Cap, Radiator	
107		1	Controller, ECM (S/N 58209 to S/N 71583)	
	1600298		Standard & With ADE System	
	1600314		With Hydraulic Welder	
108	4846046	1	Tube, Air Intake	
109	3740067	1	Relay (Auxiliary Power)	
110	3740080	1	Relay, Bosch	
111	0080214	1	Spacer, Fan	
112	2060025	1	Fan	
113	1580011	1	Tank, Coolant Recovery	
114	0641606	3	Bolt 3/8"-16NC x 3/4"	
115	2901584	1	Kit, Exhaust Extension	
116	3200362	4	Mount, Rubber	
117	2720435	1	Hose, Radiator - Bottom	
118	2220430	1	Fitting, Reducer	
119	1703162	2	Decal - Fan Blade	
120		1	Plate, Engine Mount (Front) Options:	
	3570103		Standard	
	3570103		With A Enhanced Hostile Environment Package (S/N 58209 to S/N 74800)	
	3574122		With A Enhanced Hostile Environment Package (S/N 74800 to Present)	

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FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
121	4845404	1	Tray Weldment Options:	
	4845404		Standard	
	4845404		With A Enhanced Hostile Environment Package (S/N 58209 to S/N 74800)	
	4845947		With A Enhanced Hostile Environment Package (S/N 74800 to Present)	
122	3422446	1	Pin, Pivot	
123	3841143	1	Pin, Keeper	
124	2750532	5ft/1.52m	Hose	
125	2220805	1	Fitting, Barbed 90°	
126	1320060	1	Clamp (S/N 58209 to S/N 74801)	
127	1320012	4	Clamp, Hose	
128	1320022	A/R	Clamp	
129	0641828	4	Bolt 1/2"-13NC x 3 1/2"	
130	4751800	1	Flatwasher 1/2"	
131	3311805	4	Locknut 1/2"-13NC	
132	0641610	8	Bolt 3/8"-16NC x 1 1/4"	
133	0641608	A/R	Bolt 3/8"-16NC x 1"	
134	4751600	A/R	Flatwasher 3/8"	
135	3311605	A/R	Locknut 3/8"-16NC	
136	0641408	7	Bolt 1/4"-20NC x 1"	
137	0641406	A/R	Bolt 1/4"-20NC x 3/4"	
138	4751400	A/R	Flatwasher 1/4"	
139	3311405	A/R	Locknut 1/4"-20NC	
140	4740274	4	Washer, Snubbing	
141	0100011	A/R	Loctite #242	
142	2220348	1	Fitting, Barbed	
143	0100020	A/R	Loctite #56747	
144	2180467	2	Fitting, Barbed	
145	0940070	1	Bumper, Rubber	
146	4567879	1	Tube, Exhaust	
147	0701012	4	Bolt, Metric 10mm-1.5 x 25mm	
148	4832000	4	Lockwasher, Metric 10mm	
149	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	
150	0340041	2	Band, Air Cleaner	
151	0080201	1	Elbow, Rubber	
152	1320016	A/R	Clamp	
153	3311801	1	Nut 1/2"-13NC	
154	2720436	1	Hose, Radiator - Top	
155	0641808	2	Bolt 1/2"-13NC x 1"	
156	2901583	1	Battery Cable Kit (S/N 58209 to S/N 74801)	D
	2902297	1	Battery Cable Kit (S/N 74801 to Present)	A
156A	7016821	1	Cable, Battery (Red) (Kit p/n 2901583)	
	7027006	1	Cable, Battery (Red) (Kit p/n 2902297)	
156B	7016822	1	Cable, Battery (Black) (Kit p/n 2901583)	
	7027005	1	Cable, Battery (Black) (Kit p/n 2902297)	
156C	7016808	1	Cable (Red) (Kit p/n 2901583)	
	7027007	1	Cable (Red) (Kit p/n 2902297)	

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FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
156D	7016816	1	Cable (Red) (Kit p/n 2901583)	
	7027002	1	Cable (Red) (Kit p/n 2902297)	
156E	Not Required		Kit p/n 2901583	
	7027003	1	Cable (Black) (Kit p/n 2902297)	
157	2220250	A/R	Fitting, Reducer	
158	2720472	1	Hose, Hi Pressure Fuel Line	
159	2720058	14ft/4.3m	Hose, Fuel Line	
160		2	Bolt #10-24NC x 1/2" Options (S/N 58209 to S/N 71583):	
	0701004		Standard	
	Not Required		With ADE System & with Hydraulic Welder	
161		1	Breaker, Circuit Options: (S/N 58209 to S/N 71583)	
	4360294		Standard	
	Not Required		With ADE System & with Hydraulic Welder	
162	1320223	3	Clamp	
163	3422532	1	Pin, Hitch	
164	3570133	1	Plate, Engine Mount (Rear)	
165	0642010	1	Bolt 5/8"-11NC x 1 1/4"	
166	4752000	1	Flatwasher 5/8"	
167	0700819	4	Bolt, Metric 8mm x 55mm	
168	4831900	4	Lockwasher, Metric 8mm	
169	0961986	2	Flange, Bearing	
170	1060637	1	Lanyard	
171	Not Used			
172		A/R	Flexible Trim Options:	
	4060804		Flexible Trim 3/16" (S/N 58209 to S/N 71583)	
	4060805		Flexible Trim 1/4" (S/N 71583 to Present)	
173	4060806	1.3ft/0.40m	Flexible Trim 5/16" (S/N 58209 to S/N 67821)	
174	4711400	A/R	Flatwasher 1/4"	
175	0641408	3	Bolt 1/4"-20NC x 1"	
176	4360336	1	Switch, Toggle (Not Shown Located on Console)	
177	3790012	1	O-Ring (Not Shown Located on Console)	
178 to 183	Not Used			
184	4568158	4	Standoff, ECM (S/N 58209 to S/N 71583)	
185	0641424	4	Bolt 1/4"-20NC x 3" (S/N 58209 to S/N 71583)	
186	0902572	1	Bracket, LP Mounting	
187	1320032	1	Clamp	
188	3960469	1	Seal, Foam 1 3/4" x 1 1/4" x 32" (With Hydraulic Welder Only)	
189	3574162	1	Plate, ECM/Relay Mounting (S/N 71583 to Present)	
190	0641414	4	Bolt 1/4"-20NC x 1 3/4" (S/N 71583 to Present)	
		Ref.	Note: Items 191 to 206 are for Model 601S With A "Enhanced Hostile Environment Package"	
191	4360392	1	Indicator, Clogged Filter	
192	2180798	1	Fitting, Restrictor Indicator	
193	3960389	5ft/1.5m	Seal	
194	0181979	1	Angle, Seal Mount	
195	3520060	1	Plug, Hole 3/8" (Not Shown)	
196	3520035	1	Plug, Hole 1 1/2" (Not Shown) (S/N 58209 to S/N 74800)	
197	3520033	1	Plug, Hole 1" (Not Shown) (S/N 58209 to S/N 74800)	
198	0100010	A/R	Adhesive (Not Shown) (S/N 58209 to S/N 74800)	
199	3520054	4	Plug, Hole 7/16" (Not Shown)	

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FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
200	3520034	4	Plug, Hole 5/16" (Not Shown)	
201	3520085	1	Plug, Hole 9/16" (Not Shown)	
202	1340061	1	Cleaner, Air Pre-Cleaner	
203	3960511	1	Seal, Foam 1 3/4" x 1 1/4" x 28 3/4"	
204	4922385	1	Harness, Air Flow (Not Shown)	
205	0100048	A/R	Grease Dielectric	
206	1670836	4	Cover (S/N 74800 to Present)	
		Ref.	ENGINE COMPONENTS	
		Ref.	Engine - Ford LRG-425 Options:	
	2000166	Ref.	S/N 58209 to S/N 60188	
	2000174	Ref.	S/N 60188 to S/N 71583	
	2000193	Ref.	S/N 71583 to Present	
301	7022133	1	Fuel Pump & Isolator Assembly	
	7022134	1	Harness, Fuel Pump Wiring	
302	7022135	1	Filter, Fuel	
303	7019986	1	Starter (Not Shown)	
304	7019977	1	Alternator	
305	7022136	1	Actuator, Throttle (S/N 58209 to S/N 62045)	
	7023655	1	Actuator, Throttle (S/N 62045 to S/N 71583)	
	7023683	1	Actuator, Throttle (S/N 71583 to Present)	
306	7019996	1	Sensor, Air Temperature (S/N 58209 to S/N 62045)	
	7023661	1	Sensor, Air Temperature (S/N 62045 to Present)	
307	7022137	1	Harness, ECM (S/N 58209 to S/N 62045)	
	7023663	1	Harness, ECM (S/N 62045 to S/N 71583)	
308	7022139	1	Sensor, MAP	
309	7019994	1	Sensor, EGR (S/N 58209 to S/N 71583)	
	7023682	1	Sensor, EGR (S/N 71583 to Present)	
310	2420187	1	Dipstick	
311	2720341	1	Horn, Rubber Air	
312	7022142	1	Switch, Oil Pressure	
313	7021868	1 Case	Filter, Oil (Case of 12)	
	7021868	1	Filter, Oil (Individual Filter) (was p/n 7022147)	
314	7016662	1	Coupling, Pump	
315	7019993	1	Pressure Regulator & Filter Assembly	
316	Not Used			
317	7022158	3	Connector	
318	7022159	2	Connector	
319	7022160	1	Connector	
320	7022161	2	Tube, Supply	
321	7022162	2	Clamp	
322	7022142	1	Switch, Pressure (Black)	
323	7023637	1	Switch, Shutdown (White)	
324	7023613	3	Relay	
325	7023644	1	Hose, Water Pump (By-Pass) (Not Shown)	
326	7022178	1	Sensor, Crank	
327	2720341	1	Horn, Rubber Air (S/N 58209 to S/N 71583)	
	7023658	1	Horn, Rubber Air (S/N 71583 to Present)	

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FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)

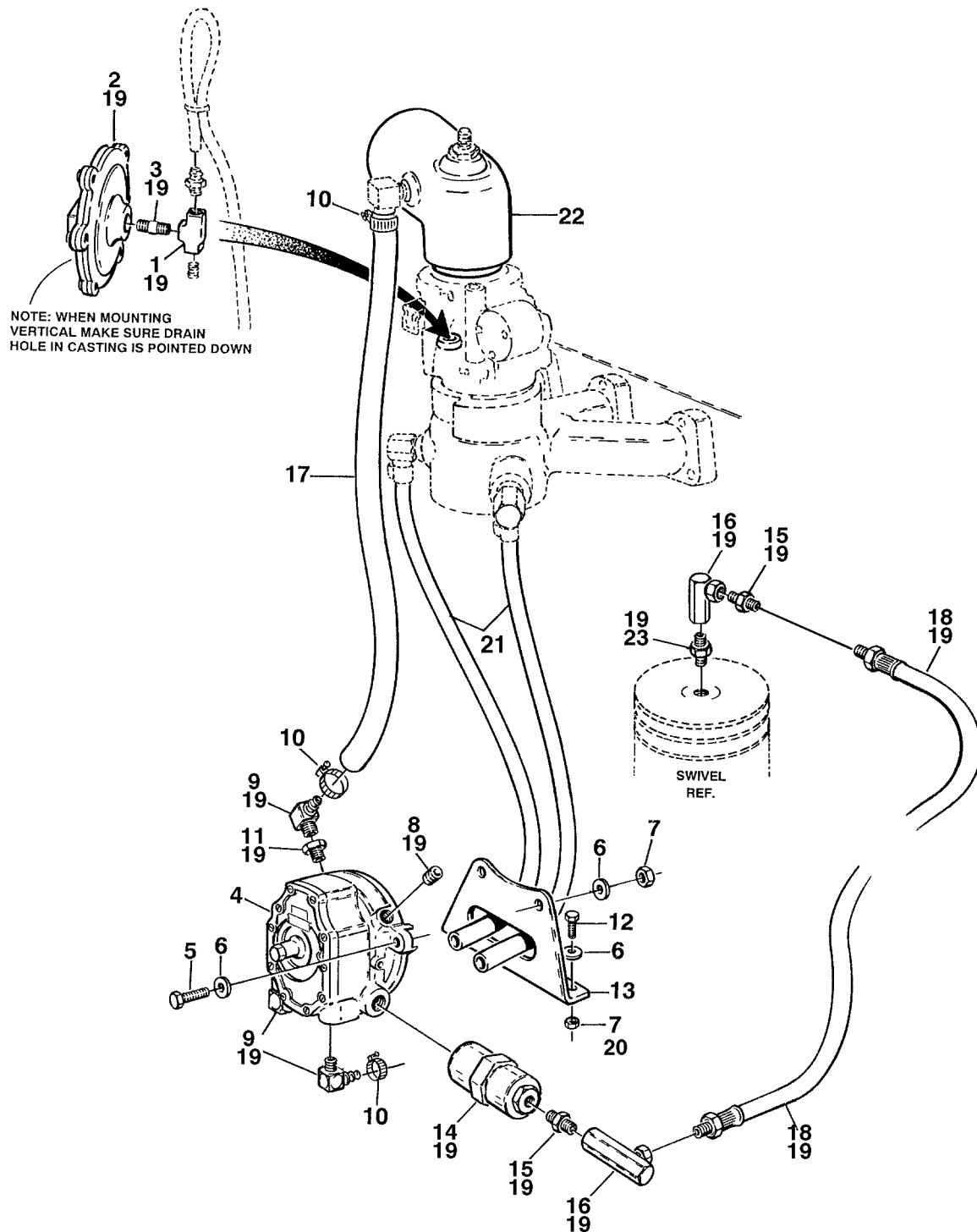
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
328	7023684	1	ECM Module (S/N 71583 to Present)	
329	Not Available	1	Power Distribution Box (S/N 71583 to Present)	
330	7040050	1	Gasket, Exhaust (Pipe to Manifold)	
	7022143	1	Gasket, Exhaust (Cylinder Head to Manifold) (Not Shown)	
331	70002567	1	Tensioner, Belt (Engines 2000166 & 2000193 Only)	
	0256685	Ref.	MUFFLER INSTALLATION - SPARK ARRESTING	
401	3220105	1	Muffler Spark Arresting	
401A	70001017	2	Clamp, Muffler	
402	0340046	2	Band	
403	0902309	1	Bracket, Muffler	
404	0641507	4	Bolt 5/16"-18NC x 7/8"	2
405	4711500	8	Flatwasher 5/16" Narrow	
406	3311505	4	Locknut 5/16"-18NC	
407	4567073	1	Tube, Exhaust	

FIGURE 2-15. FORD ENGINE INSTALLATION - LRG425 WITH EFI (S/N 58209 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-16. DUAL FUEL INSTALLATIONS - FORD LRG425 WITH CARBURETOR (PRIOR TO S/N 58209)



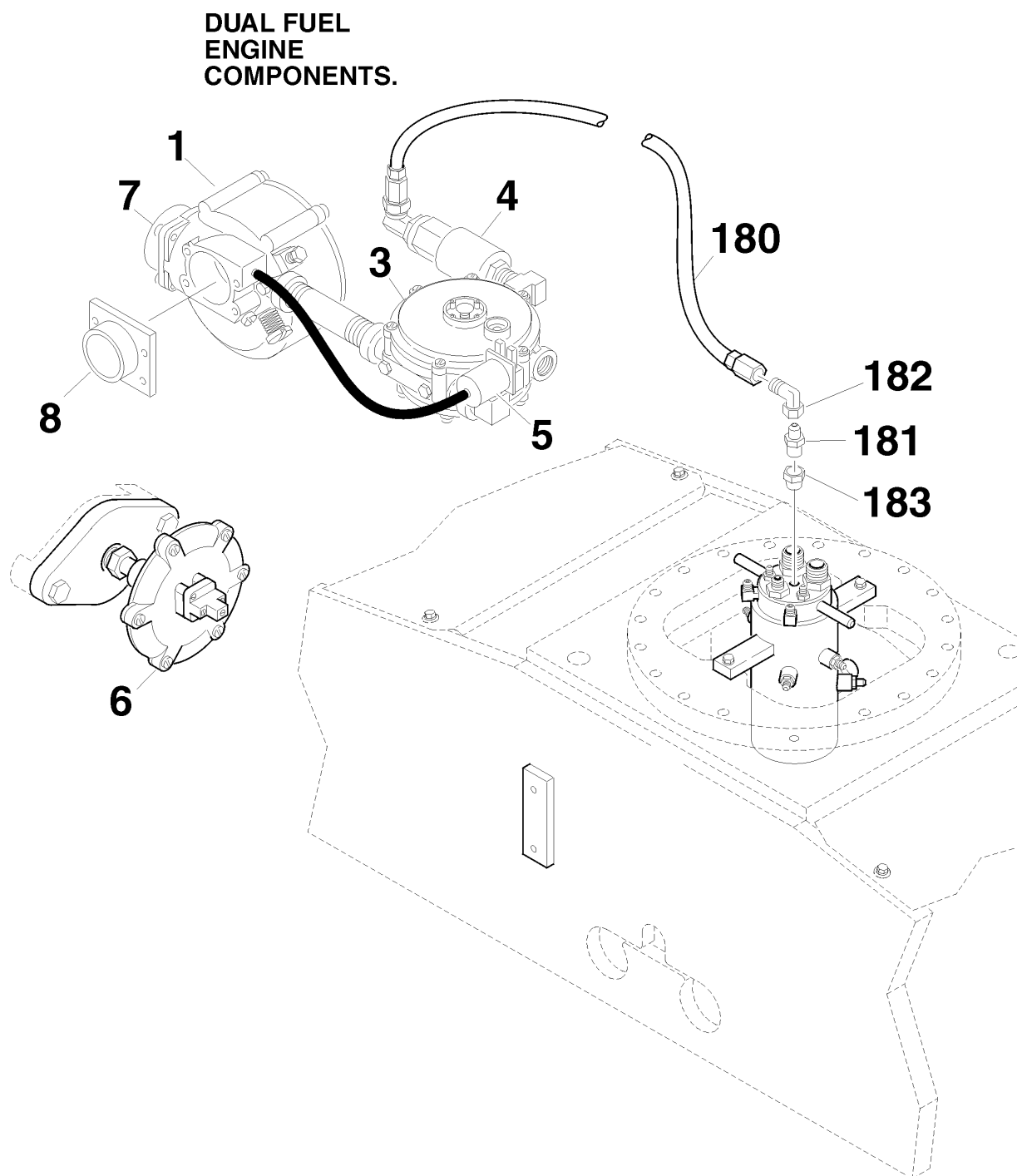
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FIGURE 2-16. DUAL FUEL INSTALLATIONS - FORD LRG425 WITH CARBURETOR (PRIOR TO S/N 58209)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258392	Ref.	DUAL FUEL INSTALLATION	6
1	2180104	1	Fitting, Nipple	
2	4360188	1	Switch, Vacuum	
3	2180360	1	Fitting	
4	4700005	1	Vaporizer/Regulator	
	7017515	1	Repair Kit - 4700005	
5	0641416	2	Bolt 1/4"-20NC x 2"	
6	4751400	8	Flatwasher 1/4"	
7	3311405	4	Locknut 1/4"-20UNC	
8	2200204	1	Plug, Pipe	
9	2220675	3	Fitting, 90° Barbed	
10	1320017	4	Clamp	
11	2220251	1	Fitting, Reducer	
12	0641408	2	Bolt 1/4"-20NC x 1"	
13	0902132	1	Bracket, Vaporizer	
14	2120077	1	Filter Lock	
15	2180418	2	Fitting, LP	
16	2220064	2	Fitting, 90°	
17	2720112	3ft/.9m	Hose, Vapor	
18	2720144	1	Hose	
19	0100020	A/R	Loctite #56747	
20	Not Used			
21	2720042	30in/76cm	Hose	
22	0080124	1	Adapter, Carb	
23	2220005	1	Fitting, Reducer	
24	1701543	1	Decal-LPG (Not Shown - See Decal Installation)	
25	1700818	1	Decal- Liquid Withdrawal System (Not Shown - See Decal Installation)	

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FIGURE 2-17. DUAL FUEL INSTALLATION - FORD LRG425 WITH EFI (S/N 58209 TO PRESENT)



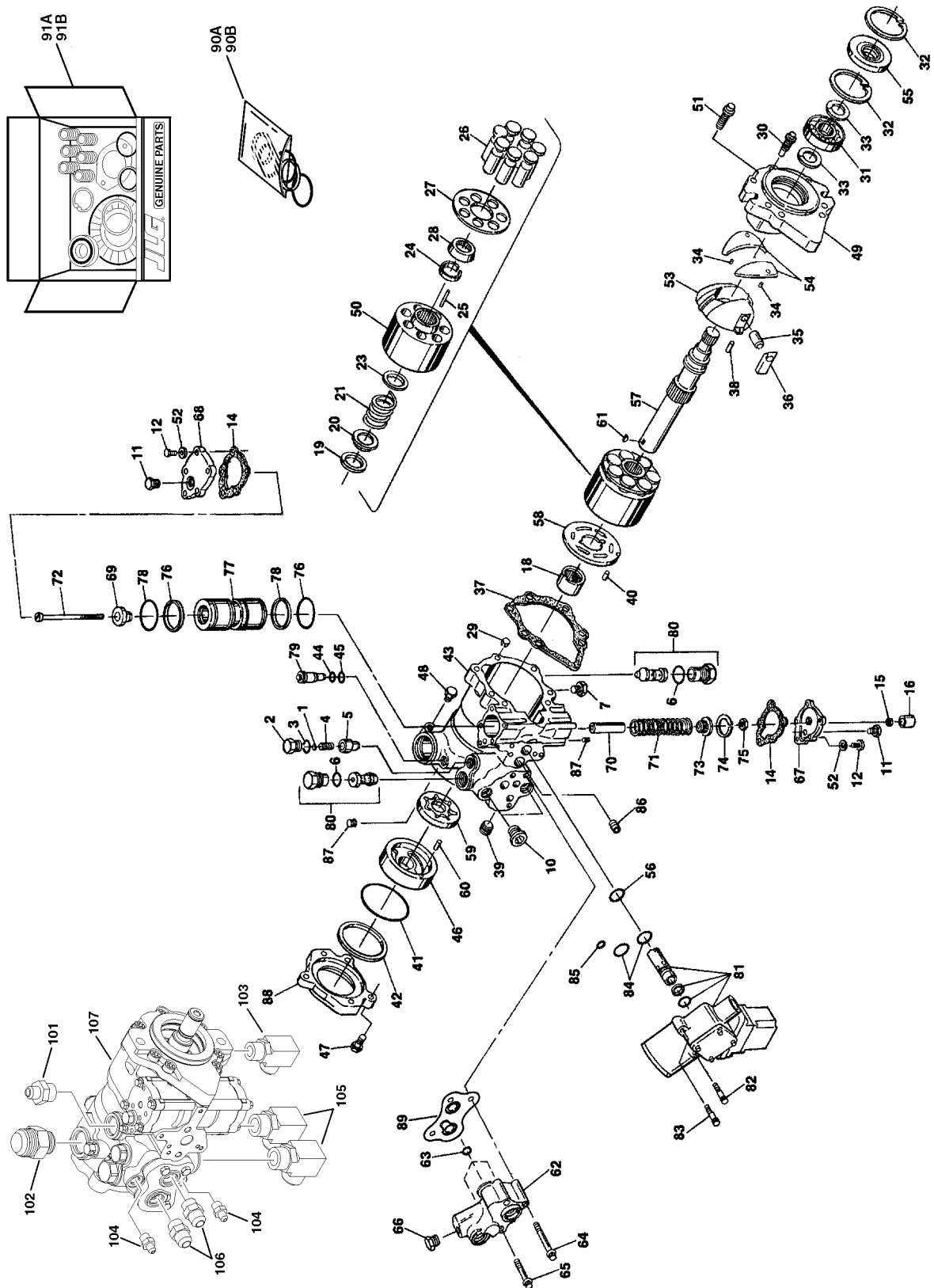
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FIGURE 2-17. DUAL FUEL INSTALLATION - FORD LRG425 WITH EFI (S/N 58209 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2000166	Ref.	DUAL FUEL ENGINE COMPONENTS (PRIOR TO S/N 60188)	C
	2000174	Ref.	DUAL FUEL ENGINE COMPONENTS (WITH ADE SYSTEM) (S/N 60188 TO S/N 71583)	A
	2000193	Ref.	DUAL FUEL ENGINE COMPONENTS (WITH ADE SYSTEM) (S/N 71583 TO PRESENT)	A
	See Note:	Ref.	Note: No breakdown on engine p/n 2000193 at time of printing.	
	Not Available - See Your Ford Dealer	1	Dual Fuel Conversion Kit (Note: Includes hose, fittings, clamps and items indented below. For replacement hose, fittings and clamps supply locally.)	
1	7022165	1	Mixer	
	7022171	1	Repair Kit - 7022165 Mixer	
2	Not Used			
3	7022167	1	Convertor	
	7022170	1	Repair Kit - 7022167 Convertor	
4	Use 7023680	1	Filter, LP Shut-Off (Was p/n 7022169)	
	7023679	1	Electrical Connector Kit (Includes (1) 2 Position Connector, 2 Pins and 2 Seals)	
5	7022168	1	Valve, Solenoid	
6	4360188	1	Switch, Vacuum	
7	7023603	1	Adaptor	
8	7022166	1	Adaptor	
	0259768	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (PRIOR TO S/N 60188)	3/C
	0270800	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (WITH ADE SYSTEM) (S/N 60188 TO S/N 71583)	4/D
	0272908	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S (WITH ADE SYSTEM) (S/N 71583 TO PRESENT)	1/A
	0270073	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (PRIOR TO S/N 60188)	3/C
	0270799	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (WITH ADE SYSTEM) (S/N 60188 TO S/N 71583)	4/D
	0272909	Ref.	DUAL FUEL ENGINE INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (WITH ADE SYSTEM) (S/N 71583 TO PRESENT)	1/A
101 to 179	Not Used			
180	2720392	1	Hose	
181	2180418	1	Fitting, Straight	
182	2220064	1	Fitting, 90°	
183	2220005	1	Fitting, Reducer	

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FIGURE 2-18. PISTON PUMP ASSEMBLY (PRIOR TO S/N 85132)



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FIGURE 2-18. PISTON PUMP ASSEMBLY (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600260	Ref.	PISTON PUMP ASSEMBLY	B
1	7007413	1	Shim Kit	
2	7007414	1	Plug	
3	Use Item 90A	1	O-Ring	
4	7007416	1	Spring, Relief Valve	
5	7007417	1	Valve, Relief	
6	Use Item 90A	1	O-Ring	
7	7007419	2	Plug	
8	Not Used			
9	Not Used			
10	7007420	2	Plug	
11	7007208	2	Plug	
12	7007421	10	Screw	
13	Not Used			
14	Use Item 90A	1	Gasket, Servo Cover	
15	Not Available	1	Nut, Special	
16	7007424	1	Cover, Adjustment	
17	Not Used			
18	7007425	1	Bearing, Needle	
19	Use Item 91B	1	Ring, Retaining	
20	Use Item 91B	1	Washer	
21	Use Item 91B	1	Spring	
22	Not Used			
23	Use Item 91B	1	Washer	
24	Use Item 91B	1	Retainer	
25	Use Item 91B	3	Pin, Slipper Holddown	
26	Use Item 91B	7	Piston Assembly	
27	Use Item 91B	1	Retainer, Slipper	
28	Use Item 91B	1	Guide, Retainer	
29	7007435	1	Pin, Spring	
30	7021202	1	Screw, 12 Point Head	
31	7007437	1	Bearing, Ball	
32	7007438	2	Ring, Retainer	
33	7007439	2	Ring	
34	7007440	2	Pin, Spring	
35	7007441	1	Handle, Pin	
36	7007442	1	Sleeve, Bearing	
37	Use Item 90A	1	Gasket, Front Cover	
38	7007444	1	Pin	
39	7007445	1	Plug, Expansion	
40	Use Item 91B	1	Pin	
41	See Note	1	O-Ring (Note: Use Item 90A, 91A or 91B)	
42	See Note	1	Ring, Load Temper (Note: Use Item 90A, 91A or 91B)	
43	7007449	1	Housing, Pump	
44	See Note	1	Ring, Back-Up (Note: Use Item 90A or 91B)	
45	See Note	1	O-Ring (Note: Use Item 90A or 91B)	
46	See Note	1	Cover, Gerotor (Note: Use Item 91A or 91B)	
47	7007453	3	Bolt, Hex	

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FIGURE 2-18. PISTON PUMP ASSEMBLY (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
48	7007208	1	Plug	
49	7007454	1	Cover, Front	
50	Use Item 91B	1	Block, Cylinder	
51	7007456	6	Screw	
52	7001438	10	Washer	
53	Use Item 91B	1	Swashplate	
54	7007458	2	Journal, Bearing	
55	See Note	1	Seal, Lip (Note: Use Item 90A or 91B)	
56	Use Item 90A	1	O-Ring	
57	7010121	1	Shaft, Main Pump - 15 Tooth Spline	
58	Use Item 91B	1	Plate, Valve	
59	Use Item 91A	1	Gerotor Assembly	
60	Use Item 91A	1	Pin	
61	Use Item 91A	1	Key, Woodruff	
62	7007466	1	Adaptor, Remote Filtration	
63	Use Item 90A	3	O-Ring	
64	7007468	2	Screw	
65	7007469	2	Screw	
66	7007470	1	Plug	
67	7007471	1	Cover, Servo (With Adjuster)	
	7007490	2	Stop, Servo (Not Shown)	
	7007491	2	Nut (Not Shown)	
	7007492	2	Ring, External (Not Shown)	
68	7007482	1	Cover, Servo (With Adjuster)	
69	7007483	1	Guide, Spring	
70	7007484	1	Stop, Servo	
71	7007485	1	Spring	
72	7007486	1	Screw	
73	7007487	1	Guide, Spring	
74	7007488	1	Ring, Retaining	
75	7007499	1	Locknut	
76	See Note	2	Ring, Piston (Note: Use Item 90A or 90B)	
77	7007494	1	Piston, Servo	
78	See Note	2	O-Ring (Note: Use Item 90A or 90B)	
79	7007472	1	Valve, Bypass	
80	Use 7010122	2	Valve, Pressure Relief (Includes Item 6) (was p/n 7007473)	
81	7007474	1	Control, Dual Oil-Filled	
	7007496	1	Coil Assembly (Pilot)	
	7007497	1	Plug (Pump)	
	7007498	1	Plug (Valve Harness)	
82	7007478	2	Screw	
83	7001498	2	Screw	
84	Use Item 90A	2	O-Ring	
85	Use Item 90A	1	O-Ring	
86	7007475	1	Plug, Orifice/Screen (.156)	
87	7007477	2	Plug, Orifice (.37)	
88	7007476	1	Adapter, Auxiliary Pump	
89	7010120	1	Spacer/Gasket	

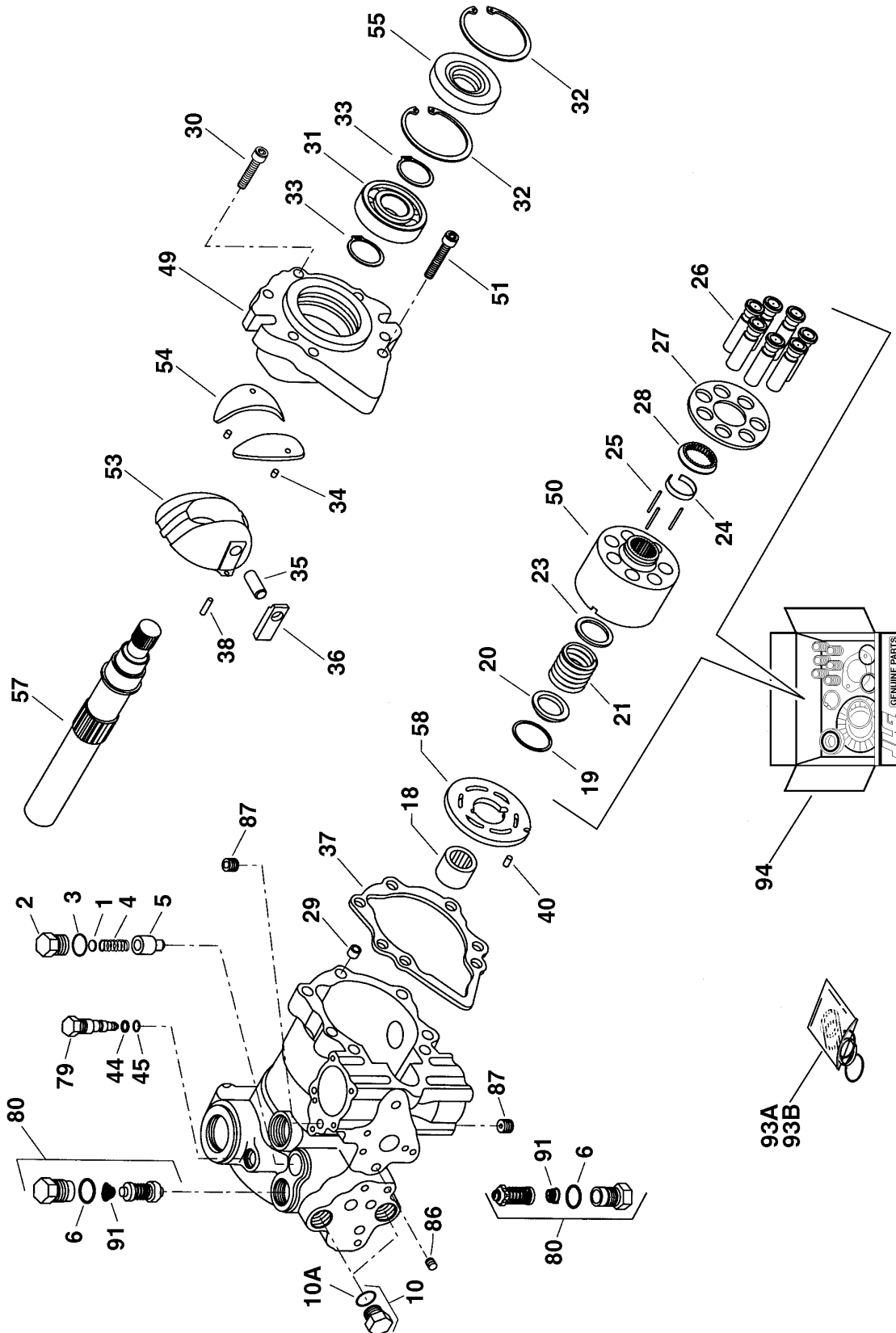
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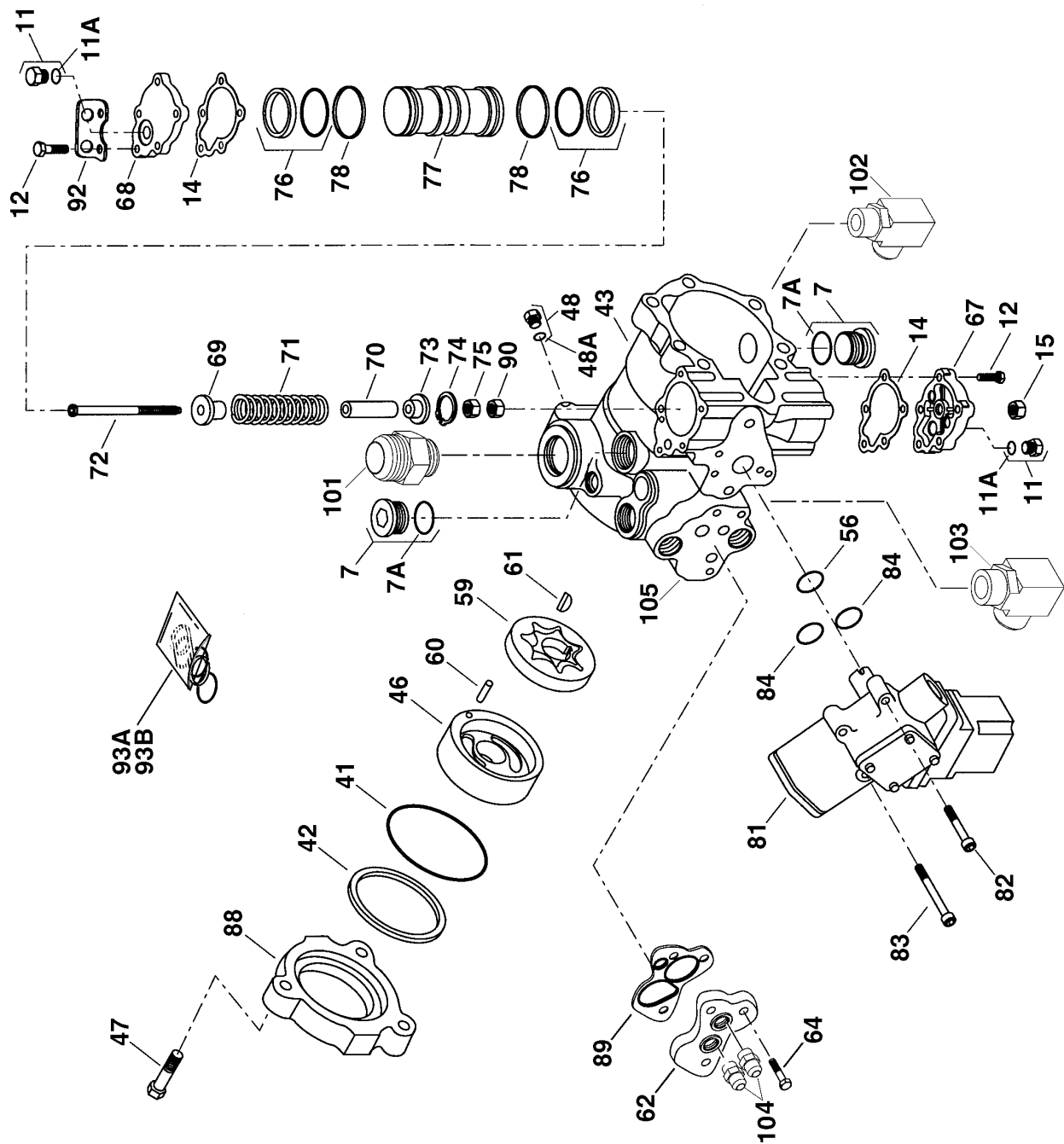
FIGURE 2-18. PISTON PUMP ASSEMBLY (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
90		A/R	Seal Kit Options:	
90A	2900752	1	Seal Kit - Complete (Includes Items 3, 6, 14, 37, 41, 42, 44, 45, 55, 56, 63, 76, 78, 84 & 85)	
90B	7007412	1	Seal Kit - Servo Piston (Includes Items 76 & 78)	
91		A/R	Repair Kit Options:	
91A	2900826	1	Charger Pump Kit (Includes Items 41, 42, 46, 59, 60 & 61)	
91B	2900827	1	Cylinder Block Kit (Includes Items 19-28, 40-50, 53, 55 & 58)	
	3600418	Ref.	PISTON PUMP AND FITTING ASSEMBLIES:	A
101	2220375	1	Fitting	
102	2220479	1	Fitting	
103	2220578	1	Fitting	
104	2220582	2	Fitting, Straight	
105	2220646	2	Fitting	
106	2220947		Fitting, Straight	
107	3600260	1	Pump (Includes Items 1 - 89)	

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FIGURE 2-19. PISTON PUMP ASSEMBLY (S/N 85132 TO PRESENT)





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FIGURE 2-19. PISTON PUMP ASSEMBLY (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600381	Ref.	PISTON PUMP ASSEMBLY	A
1	7007413	1	Shim Kit	
2	7007414	1	Plug	
3	Use Item 93A	1	O-Ring	
4	7021200	1	Spring, Relief Valve	
5	7007417	1	Valve, Relief	
6	Use Item 93A	2	O-Ring	
7	7007419	2	Plug	
7A	7007418	2	O-Ring	
8	Not Used			
9	Not Used			
10	7007470	2	Plug	
10A	7021256	2	O-Ring	
11	7007470	2	Plug	
11A	7021256	2	O-Ring	
12	7021223	10	Screw	
13	Not Used			
14	Use Item 93A	2	Gasket, Servo Cover	
15	7007423	1	Nut, Special	
16	Not Used			
17	Not Used			
18	7007425	1	Bearing, Needle	
19	Use Item 94	1	Ring, Retaining	
20	Use Item 94	1	Washer	
21	Use Item 94	1	Spring	
22	Not Used			
23	Use Item 94	1	Washer	
24	Use Item 94	1	Retainer	
25	Use Item 94	3	Pin, Slipper Holddown	
26	Use Item 94	7	Piston Assembly	
27	Use Item 94	1	Retainer, Slipper	
28	Use Item 94	1	Guide, Retainer	
29	7007435	1	Pin, Spring	
30	7021202	1	Screw	
31	7007437	1	Bearing, Ball	
32	7007438	2	Ring, Retainer	
33	7007439	2	Ring	
34	7021203	2	Pin, Spring	
35	7007441	1	Handle, Pin	
36	7007442	1	Sleeve, Bearing	
37	Use Item 93A	1	Gasket, Front Cover	
38	7007444	1	Pin	
39	Not Used			
40	7007446	1	Pin	
41	Use Item 93A	1	O-Ring	
42	Use Item 93A	1	Ring, Load Temper	
43	7023977	1	Housing, Pump	
44	Use Item 93A	1	Ring, Back-Up	

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FIGURE 2-19. PISTON PUMP ASSEMBLY (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	Use Item 93A	1	O-Ring	
46	7007452	1	Cover, Gerotor	
47	7007453	3	Bolt, Hex	
48	7007208	1	Plug	
48A	7007207	1	O-Ring	
49	7007454	1	Cover, Front	
50	Use Item 94	1	Block, Cylinder	
51	7021207	6	Screw	
52	Not Used			
53	7007457	1	Swashplate	
54	7021212	1	Journal, Bearing	
55	Use Item 93A	1	Seal, Lip	
56	Use Item 93A	1	O-Ring	
57	7010121	1	Shaft, Main Pump	
58	7021214	1	Plate, Valve	
59	7007463	1	Gerotor Assembly	
60	7007464	1	Pin	
61	7007465	1	Key, Woodruff	
62	7007466	1	Adaptor, Remote Filtration (Without By-Pass)	
63	Not Used			
64	7021218	3	Screw	
65	Not Used			
66	Not Used			
67	7021220	1	Cover, Servo (Without Adjuster)	
68	7021219	1	Cover, Servo (Without Adjuster)	
69	7023979	1	Guide, Spring	
70	7007484	1	Stop, Servo	
71	7007485	1	Spring	
72	7021221	1	Screw	
73	7007487	1	Guide, Spring	
74	7007488	1	Ring, Retaining	
75	7021222	1	Locknut	
76	See Note	2	Ring, Piston (Note: Use Item 93A or 93B)	
77	7007494	1	Piston, Servo	
78	See Note	2	O-Ring (Note: Use Item 93A or 93B)	
79	7007472	1	Valve, Bypass	
80	7024851	2	Valve, Pressure Relief (Includes Item 6)	
81	7007474	1	Control, Dual Oil-Filled	
	7007496	1	Coil Assembly (Pilot)	
	7007497	1	Plug (Pump)	
	7007498	1	Plug (Valve Harness)	
82	7001498	2	Screw	
83	7007478	2	Screw	
84	7001433	2	O-Ring	
85	Not Used			
86	7007475	1	Plug, Orifice/Screen (.156)	
87	7007477	2	Plug, Orifice (.37)	
88	7007476	1	Adapter, Auxiliary Pump	
89	7021217	1	Spacer/Gasket	

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FIGURE 2-19. PISTON PUMP ASSEMBLY (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
90	7021206	1	Nut	C
91	7024800	2	Spring	
92	7021201	1	Bracket, Lifting	

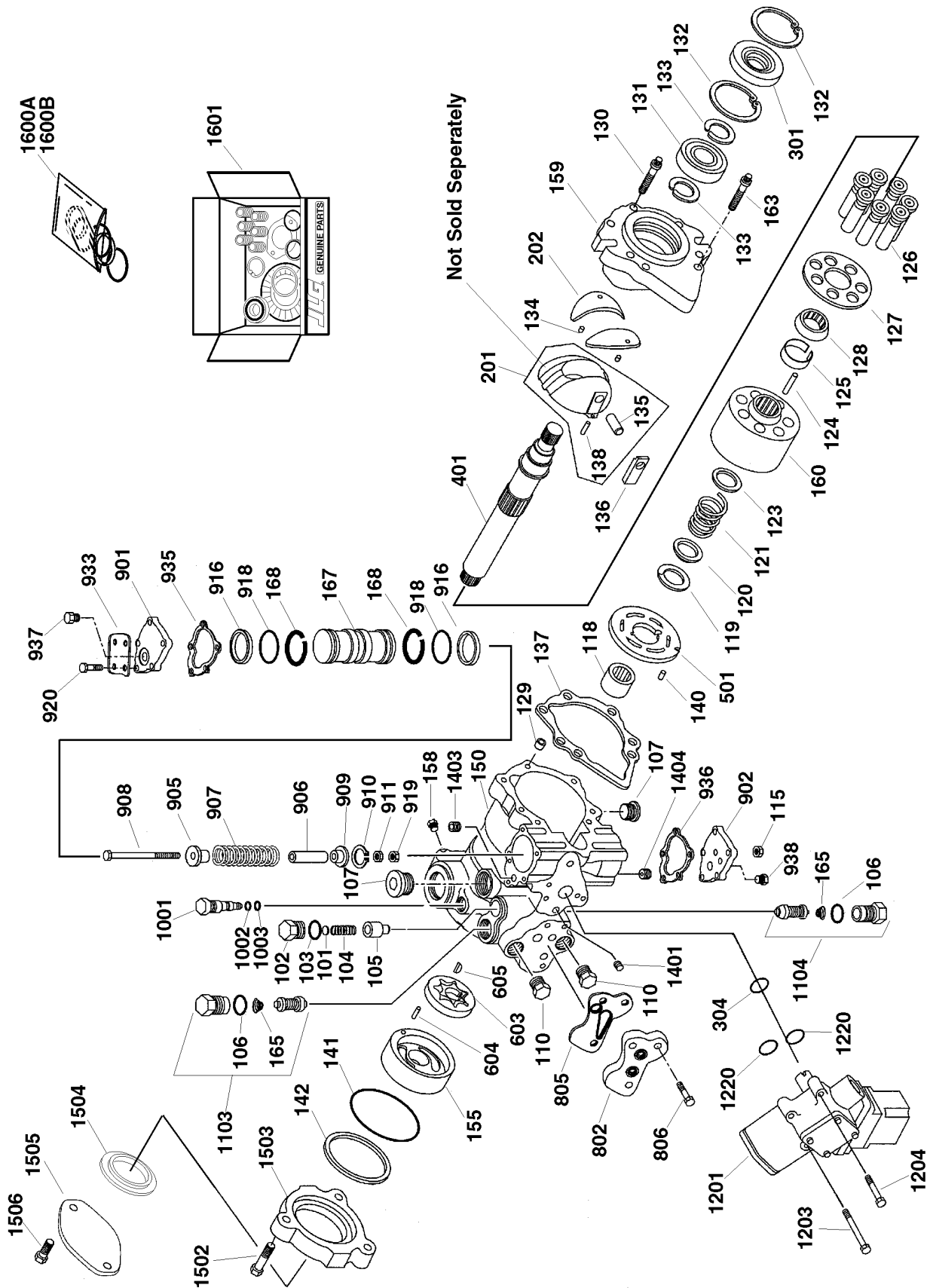
93		A/R	Seal Kit Options:	
93A	7021232	1	Seal Kit - Complete (Includes Items 3, 6, 14, 37, 41, 42, 44, 45, 55, 56, 76, 78 & 89)	
93B	7007412	1	Seal Kit - Servo Piston (Includes Items 76 & 78)	
94	7010116	1	Cylinder Block Kit (Includes Items 19-28 & 50)	
	3600396	Ref.	PISTON PUMP AND FITTING ASSEMBLY	
101		1	Fitting, Straight Options:	
	2220479		Prior to S/N 109245	
	2220377		S/N 109245 to Present	
102	2220578	1	Fitting, Straight	
103	2220646	2	Fitting, Straight	
104	2220947	2	Fitting, Straight	
105	3600381	1	Pump Options (Includes Items 1 - 92)	

FIGURE 2-19. PISTON PUMP ASSEMBLY (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-20. PISTON PUMP ASSEMBLY (W/HYDRAULIC WELDER)



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FIGURE 2-20. PISTON PUMP ASSEMBLY (W/HYDRAULIC WELDER)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600333	Ref.	PISTON PUMP ASSEMBLY	A
1 to 100	Not Used			
101	7007413	1	Shim Kit	
102	7007414	1	Plug	
103	Use Item 1600A	1	O-Ring	
104	7021200	1	Spring, Relief Valve	
105	7007417	1	Valve, Relief	
106	Use Item 1600A	2	O-Ring (Part of Items 1103 & 1104)	
107	7007419	2	Plug	
108 to 109	Not Used			
110	7007470	2	Plug	
111 to 114	Not Used			
115	7007423	1	Nut, Special	
116 to 117	Not Used			
118	7007425	1	Bearing, Needle	
119	Use Item 1601	1	Ring, Retainer	
120	Use Item 1601	1	Washer	
121	Use Item 1601	1	Spring	
122	Not Used			
123	Use Item 1601	1	Retainer	
124	Use Item 1601	3	Slipper Hold Down Pin	
125	Use Item 1601	7	Piston Assembly	
126	Use Item 1601	1	Slipper Retainer	
127	Use Item 1601	1	Guide, Retainer	
128	Use Item 1601	1	Block, Cylinder	
129	7007435	1	Pin, Spring	
130	7021202	1	Screw, 12 Point Head	
131	7007437	1	Bearing, Ball	
132	7007438	2	Ring, Retainer	
133	7007439	2	Ring	
134	7021203	2	Pin, Spring	
135	7007441	1	Handle, Pin (Part of Item 201)	
136	7007442	1	Sleeve, Bearing	
137	Use Item 1600A	1	Gasket, Front Cover	
138	7007444	1	Pin (Part of Item 201)	
139	Not Used			
140	7007446	1	Pin	
141	Use Item 1600A	1	O-Ring	
142	Use Item 1600A	1	Ring, Load Temper	
143 to 149	Not Used			
150	Not Serviced	1	Housing, Pump	
151 to 154	Not Used			
155	7007452	1	Cover, Gerotor	
156 to 157	Not Used			
158	7007208	1	Plug	
159	7007454	1	Cover, Front	
160 to 162	Not Used			
163	7021207	6	Screw	

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FIGURE 2-20. PISTON PUMP ASSEMBLY (W/HYDRAULIC WELDER) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
164	Not Used			
165	7021264	2	Spring (Part of Items 1103 & 1104)	
166	Not Used			
167	7007494	1	Piston, Servo	
168	Use Item 1600A	2	Bearing	
169 to 200	Not Used			
201	7007457	1	Swashplate Assembly (Includes Items 135 & 138)	
202	7021212	2	Journal, Bearing	
203 to 300	Not Used			
301	Use Item 1600A	1	Seal, Lip	
302 to 303	Not Used			
304	Use Item 1600A	1	O-Ring	
305 to 400	Not Used			
401	7023978	1	Shaft, Main Pump	
402 to 500	Not Used			
501	7021214	1	Plate, Valve	
502 to 602	Not Used			
603	7007463	1	Gerotor Assembly	
604	7007464	1	Pin	
605	7007465	1	Key, Woodruff	
606 to 801	Not Used			
802	7007466	1	Adaptor, Remote Filtration	
803 to 804	Not Used			
805	Use Item 1600A	1	Seal, Filter Adapter	
806	7021218	3	Screw	
807 to 900	Not Used			
901	7021219	1	Cover, Servo	
902	7021220	1	Cover, Servo	
903 to 904	Not Used			
905	7023979	1	Guide, Spring	
906	7007484	1	Stop, Servo	
907	7007485	1	Spring	
908	7021221	1	Screw	
909	7007487	1	Guide, Spring	
910	7007488	1	Ring, Retaining	
911	7021222	1	Nut	
912 to 915	Not Used			
916	See Note	2	Ring, Piston (Note: Purchase Item 1600A or 1600B)	
917	Not Used			
918	See Note	2	O-Ring (Note: Purchase Item 1600A or 1600B)	
919	7021206	1	Nut	
920	7021223	10	Screw	
921 to 932	Not Used			
933	7021201	1	Bracket, Lifting	
934	Not Used			
935	Use Item 1600A	1	Gasket, Servo	
936	Use Item 1600A	1	Gasket, Servo	
937	7007470	1	Plug	
938	7007470	1	Plug	

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FIGURE 2-20. PISTON PUMP ASSEMBLY (W/HYDRAULIC WELDER) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
939 to 1000	Not Used			
1001	7007472	1	Valve, Bypass	
1002	Use Item 1600A	1	Ring, Back-up	
1003	Use Item 1600A	1	O-Ring	
1004	Not Used			
to1102				
1103	7010122	1	SCR Kit (Includes items 106 & 165)	
1104	7010122	1	SCR Kit (Includes items 106 & 165)	
1105	Not Used			
to1200				
1201	7007474	1	Control, Dual Oil-Filled	
	7007496	1	Coil Assembly (Pilot)	
	7007497	1	Plug (Pump)	
	7007498	1	Plug (Valve Harness)	
1202	Not Used			
1203	7007478	2	Screw	
1204	7001498	2	Screw	
1205	Not Used			
to1219				
1220	Use Item 1600A	2	O-Ring	
1221	Not Used			
to1400				
1401	7007475	1	Plug, Orifice/Screen (.156)	
1402	Not Used			
1403	7007477	1	Plug, Orifice	
1404	7007477	1	Plug, Orifice	
1405	Not Used			
to1501				
1502	7007453	3	Screw	
1503	7007476	1	Adapter, Flange	
1504	7021298	1	Seal	
1505	7021229	1	Plate, Cover	
1506	7007453	2	Screw	

1600		A/R	Seal Kit Options:	
1600A	2900752	1	Seal Kit - Complete (Includes Items 103, 106, 137, 141, 142, 168, 301, 304, 805, 916, 918, 935, 936, 1002, 1003 & 1220)	
1600B	7007412	1	Seal Kit - Servo Piston (Includes Items 916 and 918)	
1601	7010116	1	Cylinder Block Kit (Includes Items 119-128)	

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FIGURE 2-21. GEAR PUMP ASSEMBLY

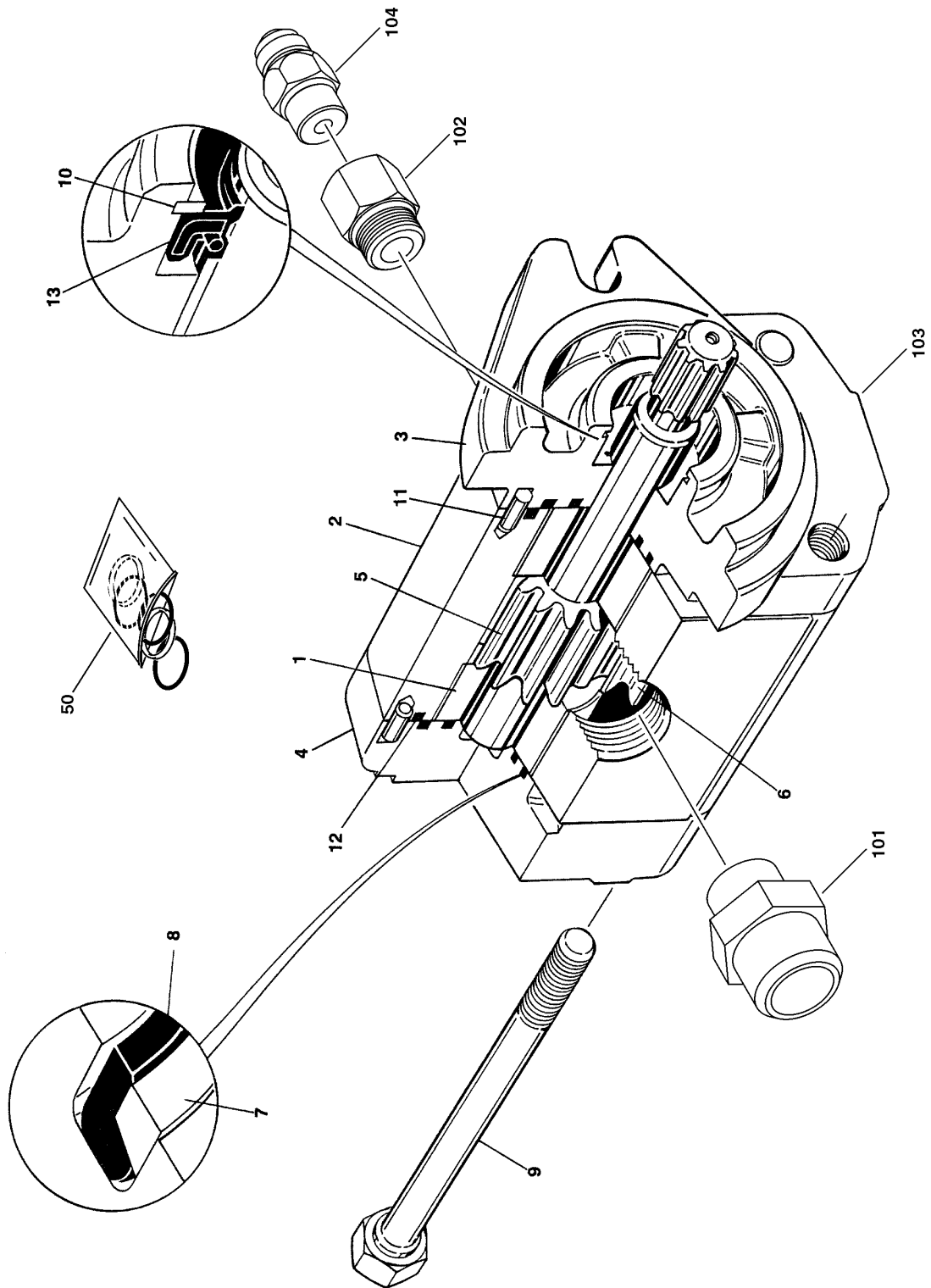


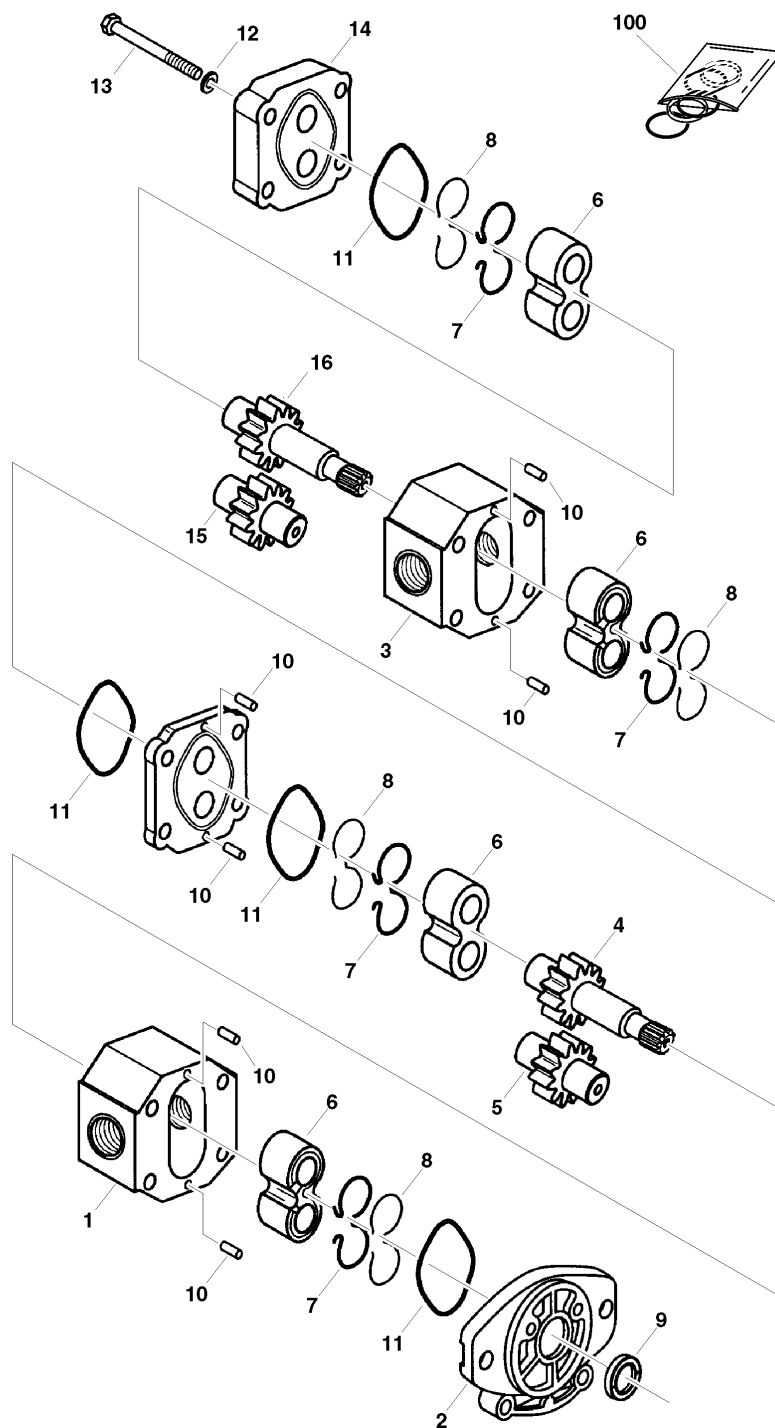
FIGURE 2-21. GEAR PUMP ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600242	Ref.	GEAR PUMP ASSEMBLY	A
1	7010105	2	Bearing/Bushing	
2	Not Serviced	1	Housing	
3	Not Serviced	1	Flange	
4	7010103	1	Cover	
5	7012987	1	Gear, Drive	
6	7012988	1	Gear, Idler	
7	Use Item 50	2	Ring, Anti-Extrusion	
8	Use Item 50	2	Seal	
9	Not Serviced	4	Bolt	
10	7010104	1	Ring, Retaining	
11	Not Serviced	4	Pin, Dowel	
12	Use Item 50	2	Seal, O-Ring	
13	Use Item 50	1	Seal, Shaft	

50	7007489	1	Seal Kit (Includes Items 7, 8, 12 & 13)	
	3600395	Ref.	GEAR PUMP AND FITTING ASSEMBLY	A
101	2220376	1	Fitting, Straight	
102	2220810	1	Fitting, Reducer	
103	3600242	1	Pump, Gear (Includes Items 1 - 13)	
104	4640744	1	Fitting, Check Valve	

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FIGURE 2-22. GEAR PUMP ASSEMBLY (W/HYDRAULIC WELDER)



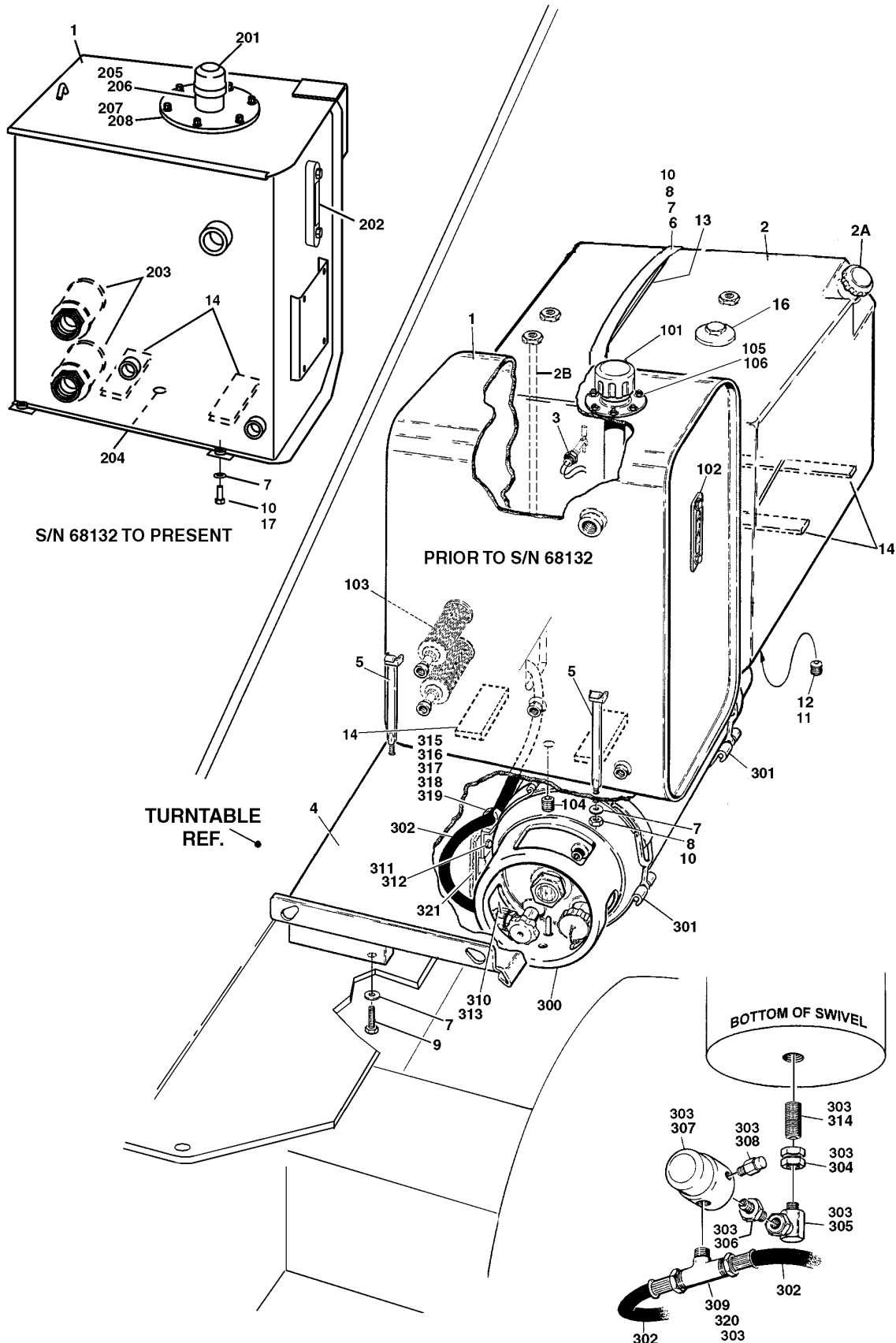
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FIGURE 2-22. GEAR PUMP ASSEMBLY (W/HYDRAULIC WELDER)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600297	Ref.	GEAR PUMP ASSEMBLY (PRIOR TO S/N 70877) Note: No service parts are available for Pump p/n 3600368 - Used S/N 70877 to Present. Replace complete Pump.	C
1	Not Available	1	Body, Front	
2	Not Available	1	Cover	
3	Not Available	1	Body, Rear	
4	7023811	1	Gear, Drive	
5	7023812	1	Gear, Idler	
6	Use Item 100B	4	Block, Bearing	
7	See Note	4	Seal, Load (Note: Use Item 100A or 100B)	
8	See Note	4	Seal, Anti/Extrusion (Note: Use Item 100A or 100B)	
9	See Note	1	Seal, Shaft (Note: Use Item 100A or 100B)	
10	Not Available	6	Pin, Dowel	
11	See Note	4	Seal, Static (Note: Use Item 100A or 100B)	
12	7023813	4	Washer	
13	7023814	4	Screw, Cap	
14	Not Available	1	Cover, Rear	
15	7023812	1	Gear, Idler	
16	7023815	1	Gear, Drive	
100		A/R	Seal Kit Options:	
100A	7023820	1	Minor Seal Kit - 3600297 Pump (Prior to S/N 70877) (Includes Items 7,8,9 & 11)	
100A	Not Available	1	Minor Seal Kit - 3600368 Pump (S/N 70877 to Present)	
100B	7023802	1	Major Seal Kit - 3600297 Pump (Prior to S/N 70877) (Includes Items 6,7,8,9 & 11)	
100B	Not Available	1	Major Seal Kit - 3600368 Pump (S/N 70877 to Present) (Includes Items 6,7,8,9 & 11)	

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FIGURE 2-23. TANK INSTALLATIONS



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FIGURE 2-23. TANK INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0257921	Ref.	TANKS INSTALLATION	7/F
	0271598	Ref.	TANKS INSTALLATION (FUEL TANK WITH SIGHT GAGE)	2
	0271537	Ref.	TANKS INSTALLATION (WITH HYDRAULIC WELDER OPTION)	1
1		1	Hydraulic Tank Assembly Options:	
	4400375		Tank - Machines without Hydraulic Welder (Prior to S/N 68132) (See Items 101-106 for Breakdown)	
	4400449		Tank - Machines without Hydraulic Welder (S/N 68132 to Present) (See Items 201-208 for Breakdown)	
	4400441		Tank - Machines with Hydraulic Welder (See Items 101-106 for Breakdown)	
2		1	Tank, Fuel Options:	
	4400411		Tank, Fuel (Prior to S/N 54747)	
	4400429		Tank, Fuel (S/N 54747 to Present)	
	4400442		Tank, Fuel (W/Sight Gage)	
2A	7016314	1	Cap, Fuel Tank	
	7016649	1	Seal, Cap	
2B	7020043	1	Tube	
3 to 4	Not Used			
5		4	Strap, Tank Options:	
	4240112		Strap - Machines without Hydraulic Welder	
	4240112		Strap - Machines with Hydraulic Welder	
6	4240135	1	Strap, Tank	
7	4751600	6	Flatwasher 3/8"	
8	3311601	A/R	Nut 3/8"-16NC	
9	Not Used			
10	0100011	A/R	Loctite #242	
11	0100079	A/R	Permatex	
12	2200222	1	Fitting	
13	4280295	25in/44cm	Strip, Protective	
14	4420038	6.5ft/1.98m	Tape, Rubber	
15	1320223	1	Clamp (Not Shown)	
16	2220889	1	"O" Ring Plug (Prior to S/N 54747)	
	7016680	1	Gasket (S/N 54747 to Present)	
17	0641614	4	Bolt 3/8"-16NC x 1 3/4" (S/N 68132 to Present)	
		Ref.	HYDRAULIC TANK ASSEMBLY OPTIONS:	
	4400375	Ref.	Machines without Hydraulic Welder (Prior to S/N 68132)	F
	4400441	Ref.	Machines with Hydraulic Welder	A
101	7014811	1	Fill Cap	
102	7014802	1	Gauge, Sight	
103	7014801	2	Strainer	
104		1	Plug, Magnetic Options:	
	7014800		Plug - Machines without Hydraulic Welder (Prior to S/N 68132)	
	7014813		Plug - Machines with Hydraulic Welder	

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FIGURE 2-23. TANK INSTALLATIONS (CONTINUED)

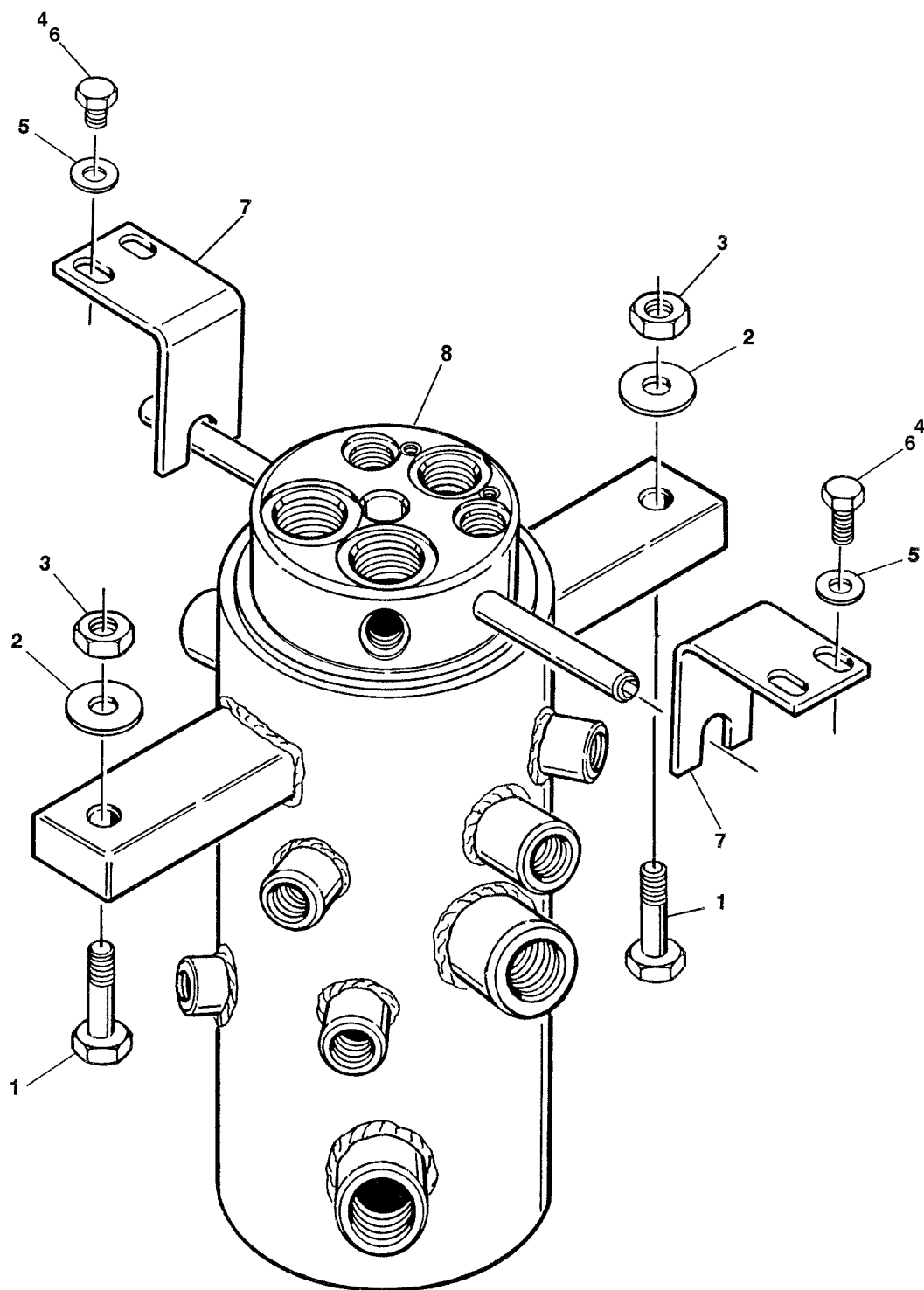
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
105	7014810	1	Filler Neck Assembly Options: Filler - Machines without Hydraulic Welder (Prior to S/N 68132)	F
	7020256		Filler - Machines with Hydraulic Welder	
106		1	Screen Options:	
	7014803		Screen - Machines without Hydraulic Welder (Prior to S/N 68132)	
	7014816		Screen - Machines with Hydraulic Welder	
		Ref.	HYDRAULIC TANK ASSEMBLY (S/N 68132 TO PRESENT)	
	4400449	Ref.	Machines without Hydraulic Welder (S/N 68132 to Present)	
201	7024444	1	Fill Cap	
202	7024441	1	Gauge, Sight	
203	7024442	2	Strainer	
204	7024446	1	Plug, Magnetic	1
205	7024443	1	Filler Neck Assembly	
206	7024445	1	Screen	
207	7024439	1	Cover	
208	7024440	1	Gasket	
	0258339	Ref.	LP TANK AND BRACKETS INSTALLATION	
300		1	Tank, lp - 43.5Lbs Options (Not Part of Installation - must be purchased separately)	
	4400275		Tank, LP - Aluminum	
	4400420		Tank, LP - Steel	
301	1320220	2	Clamp Kit - LP	
	1320127	2	Clamp, Toggle (1 Per Clamp)	
302	2720144	2	Hose	
303	0100020	A/R	Sealant, Pipe	
304	2221019	1	Fighting, Red	
305	2180125	1	Fitting, 90°	
306	2220261	1	Fitting, Nipple	
307	2180388	1	Filter, Bulkhead	
308	2180389	1	Valve, Relief	
309	2180418	1	Fitting, Tee	
310	2180387	2	Fitting, LP Tank	
311	0641606	8	Bolt 3/8"-16NC x 3/4"	
312	4751600	8	Flatwasher 3/8"	
313	2180418	2	Fitting, Straight	
314	2221018	1	Fitting, Nipple	
315	1320218	2	Clamp, Spring	
316	3910808	2	Screw, Machine #8-32NC x 1/2"	
317	4750800	4	Flatwasher #8	
318	3310805	2	Locknut #8-32NC	
319	0181949	2	Support, Angle	
320	2221024	2	Fitting, Ball Check	
321	0362519	4	Bar, Clamp	

FIGURE 2-23. TANK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-24. ROTARY COUPLING INSTALLATION (PRIOR TO S/N 85132)



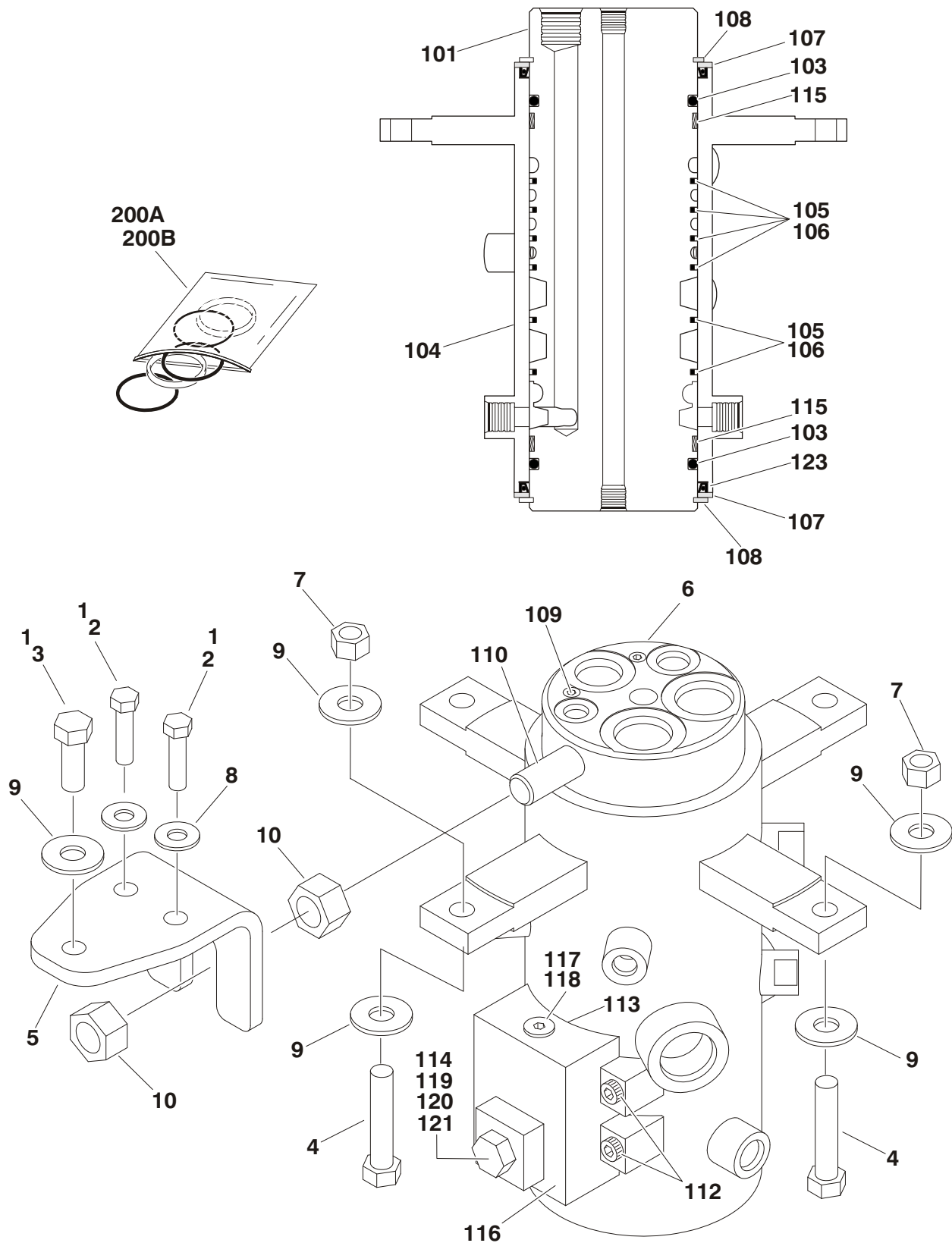
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FIGURE 2-24. ROTARY COUPLING INSTALLATION (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0255262	Ref.	ROTARY COUPLING INSTALLATION	5
1	0641820	2	Bolt 1/2"-13NC x 2 1/2"	
2	4751800	4	Flatwasher 1/2"	
3	3311805	2	Locknut 1/2"-13NC	
4	0641611	4	Bolt 3/8"-16NC x 1 3/8"	
5	4751600	4	Flatwasher 3/8"	
6	0100011	A/R	Loctite #242	
7		2	Bracket Options:	
	0902109		Prior to S/N 41289	
	0902520		S/N 41289 to S/N 85132	
8	1660219	1	Rotary Coupling	
		1	Seal Kit p/n 7013187	

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FIGURE 2-25. ROTARY COUPLING INSTALLATION (S/N 85132 TO PRESENT)



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FIGURE 2-25. ROTARY COUPLING INSTALLATION (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0274211	Ref.	ROTARY COUPLING INSTALLATIONS	B
1	0100011	A/R	Loctite #242	
2	0641612	2	Bolt 3/8"-16NC x 1 1/2"	
3	0641811	1	Bolt 1/2"-13NC x 1 3/8"	
4	0641820	2	Bolt 1/2"-13NC x 2 1/2"	
5	0903056	1	Bracket	
6		1	Coupling, Rotary Options (See Items 101-123 for Breakdown):	
	Use 1660303		Prior to S/N 0300113987 (Was p/n 1660257)	
	1660303		S/N 0300113930 to Present	
7	3271805	2	Locknut 1/2"-13NC	
8	4751600	2	Flatwasher 3/8"	
9	4751800	5	Flatwasher 1/2"	
10	3322201	2	Nut 3/4"-16NC	
		Ref.	ROTARY COUPLING ASSEMBLIES	
	1660257		Prior to S/N 0300113987	D
	1660303		S/N 0300113987 to Present	A
101	Not Serviceable	1	Body	
102		1	Seal Options:	
	7026189		Coupling p/n 1660257 (Prior to S/N 113987)	
	Use Item 200B		Coupling p/n 1660303 (S/N 113987 to Present)	
103	See Note	2	O-Ring (Note: Use Item 200A or 200B)	
104	Not Serviceable	1	Housing	
105	See Note	6	Seal, Cap (Note: Use Item 200A or 200B)	
106	See Note	6	O-Ring (Note: Use Item 200A or 200B)	
107	7026503	2	Ring	
108	7026504	2	Ring, Retaining	
109		2	Plug Options:	
	Not Serviced		Coupling p/n 1660257 (Prior to S/N 113987)	
	80934561		Coupling p/n 1660303 (S/N 113987 to Present)	
110	Not Serviceable	1	Lug, Torque	
111	Not Serviceable	1	Block, Valve	
112	7026197	4	Bolt 5/16"-18NC x 1 1/4"	
113	See Note	3	O-Ring (Note: Use Item 200A or 200B)	
114	See Note	1	O-Ring (Note: Use Item 200A or 200B)	
115	See Note	2	Bearing (Note: Use Item 200A or 200B)	
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120		1	Plunger, Valve Options:	
	7026508		Coupling p/n 1660257 (Prior to S/N 113987)	
	Not Serviced		Coupling p/n 1660303 (S/N 113987 to Present)	
			(Use p/n 7024404)	
121	7026509	1	Spring, Compression	
122	Not Serviced	A/R	Protective Netting (Not Shown) (Rotary Coupling p/n 1660303)	

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FIGURE 2-25. ROTARY COUPLING INSTALLATION (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
123	7026189 Use Item 200B	1	Seal Options: Coupling p/n 1660257 (Prior to S/N 113987) Coupling p/n 1660303 (S/N 113987 to Present) -----	
200 200A	7026510	1	Seal Kit Options: Coupling p/n 1660257 (Prior to S/N 113987) (Includes Items 103,105,106, 113,114 & 115) (Must Purchase Item 102 Separately)	
200B	70001248		Coupling p/n 1660303 (S/N 113987 to Present) (Includes Items 102,103,105,106,113,114, 115 & 123)	

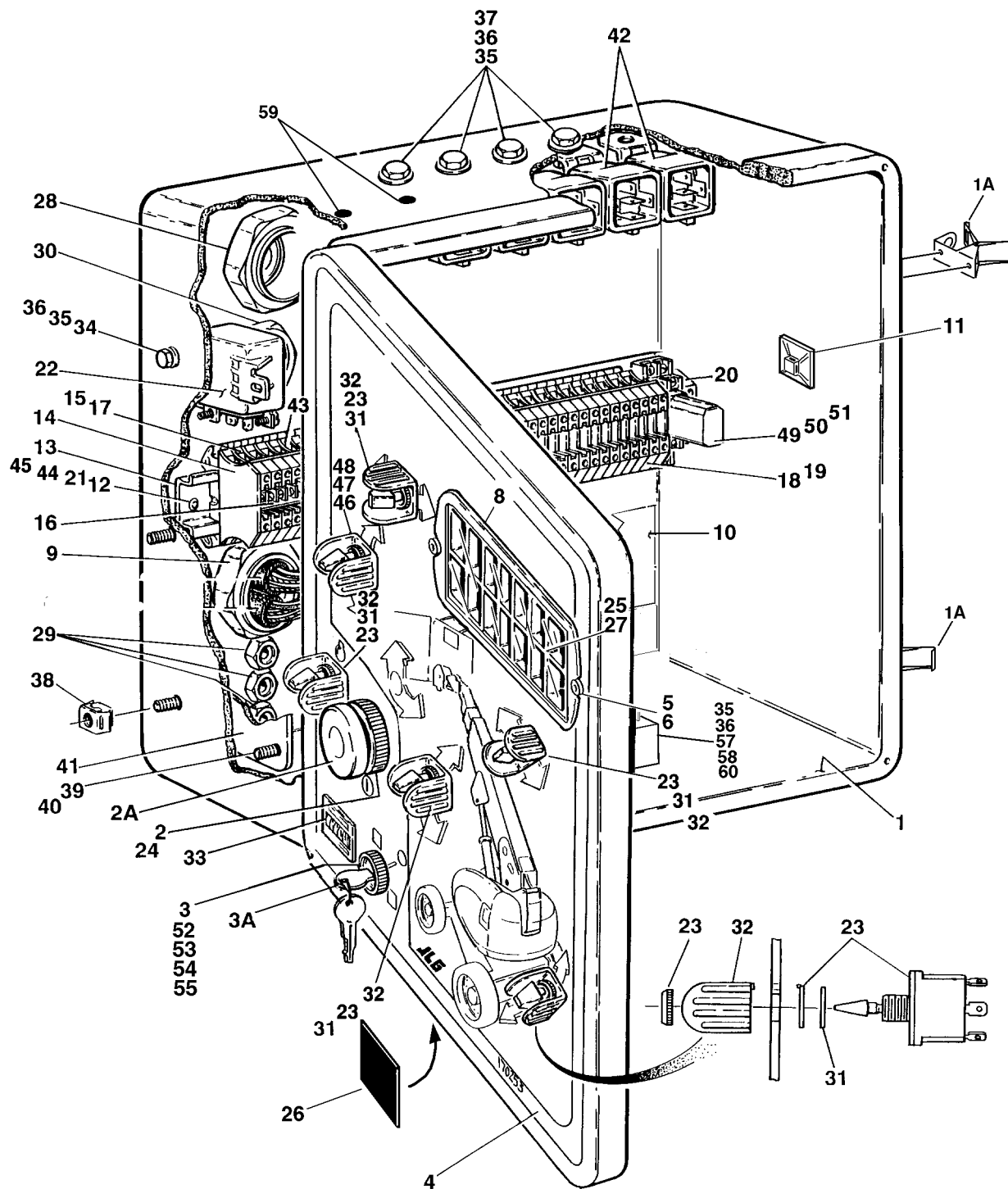
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FIGURE 2-25. ROTARY COUPLING INSTALLATION (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-26. GROUND CONTROL BOX ASSEMBLIES (PRIOR TO S/N 62137)



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FIGURE 2-26. GROUND CONTROL BOX ASSEMBLIES (PRIOR TO S/N 62137)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
			GROUND CONTROL BOX ASSEMBLIES	
	0861179	Ref.	Model 601S - With Deutz Engine	4
	0861269	Ref.	Model 601S With a "Enhanced Hostile Environment Package" - With Deutz Engine	3
	0861211	Ref.	Model 601S - With Ford Engine (Prior to S/N 58209)	2
	0861335	Ref.	Model 601S - With Ford Engine (S/N 58209 to S/N 62137)	1
1		1	Box, Fiberglass Options:	
	0861132		Prior to S/N 44643	
	0861303		S/N 44643 to S/N 62137	
1A	7020246	2	Latch	
2		1	Switch, Emergency Stop Options:	
	4360289		Prior to S/N 44643	
	4360475		S/N 44643 to S/N 62137	
2A		1	Cap Options:	
	7012611		Cap, Mushroom Head (Used on Switch p/n 4360289)	
	7012612	1	Boot (Used on Switch p/n 4360289)	
	7020175		Cap, Red (Used on Switch p/n 4360475)	
	7020176		Contact Block (Used on Switch p/n 4360475)	
3		1	Switch, Key Options:	
	4360315		Prior to S/N 44643	
	4360469		S/N 44643 to S/N 62137	
3A		1	Key Replacement Options:	
	7012560		Prior to S/N 44643 (Used on Switch p/n 4360315)	
	2860030		S/N 44643 to S/N 62137 (Used on Switch p/n 4360469)	
4	1703465	1	Decal - Faceplate	
5	0630518	2	Capscrew, Button Head	
6	3300408	A/R	Locknut, Plastic Insert	
7	Not Used			
8	1670829	1	Bezel	
9	4460711	1	Connector, Strain Relief	
10	1703622	1	Decal - Service Manual Reference	
11	4460234	8	Base, Tie-Strap (Not Shown)	
12	3910608	2	Screw #6-32NC x 1/2"	
13	3640970	1	Rail	
14	4460602	1	Barrier, Terminal	
15	4460601	10	Block, Terminal	
16	4460603	1	Bussbar - 10 Position (Requires being cut into (2) 5 position bussbars)	
17	4460631	A/R	Marker, Terminal (Negative)	
18	4460600	A/R	Block, Terminal	
19	4460628	A/R	Marker, Terminal (1-50)	
20	4460607	1	Stop, Terminal	
21	4750600	4	Flatwasher #6	
22	3740112	1	Relay, Bosch	
23	4360314	A/R	Switch, Toggle	
24		1	Switch, Contact Block Options:	
	4360282		Prior to S/N 44643	
	4360476		S/N 44643 to S/N 62137	

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FIGURE 2-26. GROUND CONTROL BOX ASSEMBLIES (PRIOR TO S/N 62137) (CONTINUED)

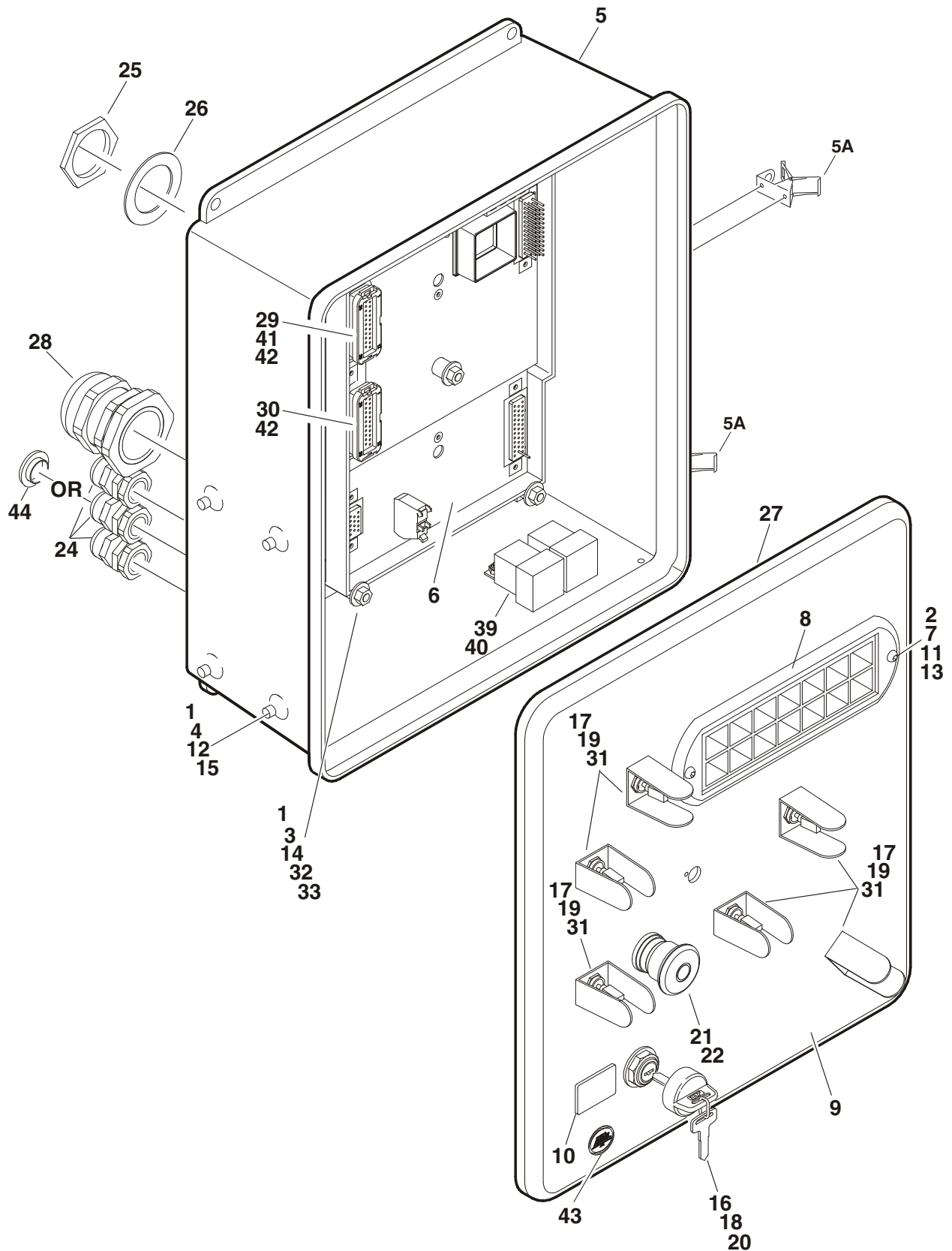
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	2760105	1	Housing, Display Light	
26	4420038	4in/10cm	Insulation, Adhesive Foam	
27	1702610	1	Decal - Ground Control Display	
28	4460526	1	Connector, Strain Relief	
29	4460428	3	Connector, Strain Relief	
30	4460426	1	Connector, Strain Relief	
31	4740444	A/R	Washer, Special	
32	4060906	A/R	Shield, Toggle Switch	
33	2420172	1	Gauge, Hourmeter	
34	0721005	A/R	Screw #10-24NC x 5/8"	
35	3311001	A/R	Nut #10-24NC	
36	4751000	A/R	Flatwasher #10	
37	0721004	A/R	Screw #10-24NC	
38	3300205	4	Nut, Retainer	
39	0641506	4	Bolt 5/16"-18NC x 3/4"	
40	0100011	A/R	Loctite #242	
41	3539219	1	Plate, Reinforcement	
42	3740049	6	Relay - SPDT	
43	4460630	1	Marker, Terminal (Ignition)	
44	4760600	2	Lockwasher #6	
45	3310601	2	Nut #6-32NC	
46	4360314	1	Switch, Toggle	
47	4740444	1	Washer, Nylon	
48	4060906	1	Shield, Toggle Switch	
49		A/R	Socket, Relay Options:	
	Not Required	0	Deutz Engine Machines	
	4120012	1	Ford Engine Machines	
50		A/R	Relay Options:	
	Not Required	0	Deutz Engine Machines	
	3740057	1	Ford Engine Machines	
51		A/R	Spring, Relay Options:	
	Not Required	0	Deutz Engine Machines	
	3740066	1	Ford Engine Machines	
52	3300390	1	Nut with Weather Resistant Boot (Prior to S/N 44643)	
53	4070991	1	Shim (.125") (S/N 44643 to S/N 62137)	
54	4070987	1	Shim (.015") (S/N 44643 to S/N 62137)	
55	3910804	6	Screw #8-32NC x 1/4" (S/N 44643 to S/N 62137)	
56	Not Used			
57	4761000	1	Lockwasher #10 (Ford Engines with EFI) (S/N 58209 to S/N 62137)	
58	3740113	1	Timer, Relay (Ford Engines with EFI) (S/N 58209 to S/N 62137)	
59	3520174	A/R	Plug 3/16" (Not Shown) (S/N 55244 to S/N 62137)	
60	3911024	1	Screw #10-24NC x 1 1/2" (Ford Engines with EFI) (S/N 58209 to S/N 62137)	
61	0100009	A/R	Adhesive (Not Shown) (S/N 55244 to S/N 62137)	
62	3520026	1	Plug 5/8" (Not Shown) (S/N 55244 to S/N 62137)	

FIGURE 2-26. GROUND CONTROL BOX ASSEMBLIES (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-27. GROUND CONTROL BOX ASSEMBLIES (ADE SYSTEM) (S/N 62137 TO PRESENT)



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FIGURE 2-27. GROUND CONTROL BOX ASSEMBLIES (ADE SYSTEM) (S/N 62137 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	GROUND CONTROL BOX ASSEMBLIES	
	0861402	Ref.	Model 601S - With Deutz Engine (Prior to S/N 64398)	F
	0861487	Ref.	Model 601S - With Deutz Engine (S/N 64398 to S/N 86148)	F
	0861685	Ref.	Model 601S - With Deutz Engine (S/N 86148 to S/N 99060)	B
	1810069	Ref.	Model 601S - With Deutz Engine (S/N 99060 to Present)	A
	0861404	Ref.	Model 601S With a "Enhanced Hostile Environment Package" - With Deutz Engine (Prior to S/N 64398)	F
	0861485	Ref.	Model 601S With a "Enhanced Hostile Environment Package" - With Deutz Engine (S/N 64398 to S/N 86148)	F
	0861685	Ref.	Model 601S With a "Enhanced Hostile Environment Package" - With Deutz Engine (S/N 86148 to S/N 99060)	B
	1810069	Ref.	Model 601S With a "Enhanced Hostile Environment Package" - With Deutz Engine (S/N 99060 to Present)	A
	0861405	Ref.	Model 601S - With Ford Engine (Prior to S/N 64398)	E
	0861484	Ref.	Model 601S - With Ford Engine (S/N 64398 to Present)	E
1	0100011	A/R	Loctite #242	
2	0630518	2	Capscrew, Button Head	
3	0630548	5	Bolt	
4	0641506	4	Bolt 5/16"-18NC x 3/4"	
5	0861389	1	Box, Fiberglass	
5A	7020246	2	Latch	
6		1	Module, Ground Control Options (Re-calibration Required when Replaced):	
	1600312		Prior to S/N 64398	
	Use 2915014		S/N 64398 to S/N 78257 (was p/n 1600327)	
	1600364		S/N 78257 to S/N 86148	
	1600411		S/N 86148 to Present	
	2915014	1	Update Kit (Includes Module, Cables, Programming Instructions & CD Software)	
7	1670829	1	Bezel	
8		1	Decal - Ground Control Display Options:	
	1702610		Prior to S/N 86148	
	1705753		S/N 86148 to S/N 99060	
	1706712		S/N 99060 to Present	
9		1	Decal - Faceplate Options:	
	1703465		Prior to S/N 99060	
	1706914		S/N 99060 to Present	
10	2420172	1	Gauge, Hourmeter	
11	2760105	1	Housing, Display Light	
12	3300205	4	Nut, Retainer	
13	3300408	A/R	Locknut, Plastic Insert	
14	3311401	10	Nut 1/4"-20NC	
15	3539219	1	Plate, Reinforcement	
16	3910804	6	Screw #8-32NC x 1/4"	
17	4060906	6	Shield, Toggle Switch	
18	4070987	1	Shim (.125")	
19	4360328	6	Switch, Toggle	

SECTION 2 TURNTABLE

FIGURE 2-27. GROUND CONTROL BOX ASSEMBLIES (ADE SYSTEM) (S/N 62137 TO PRESENT) (CONTINUED)

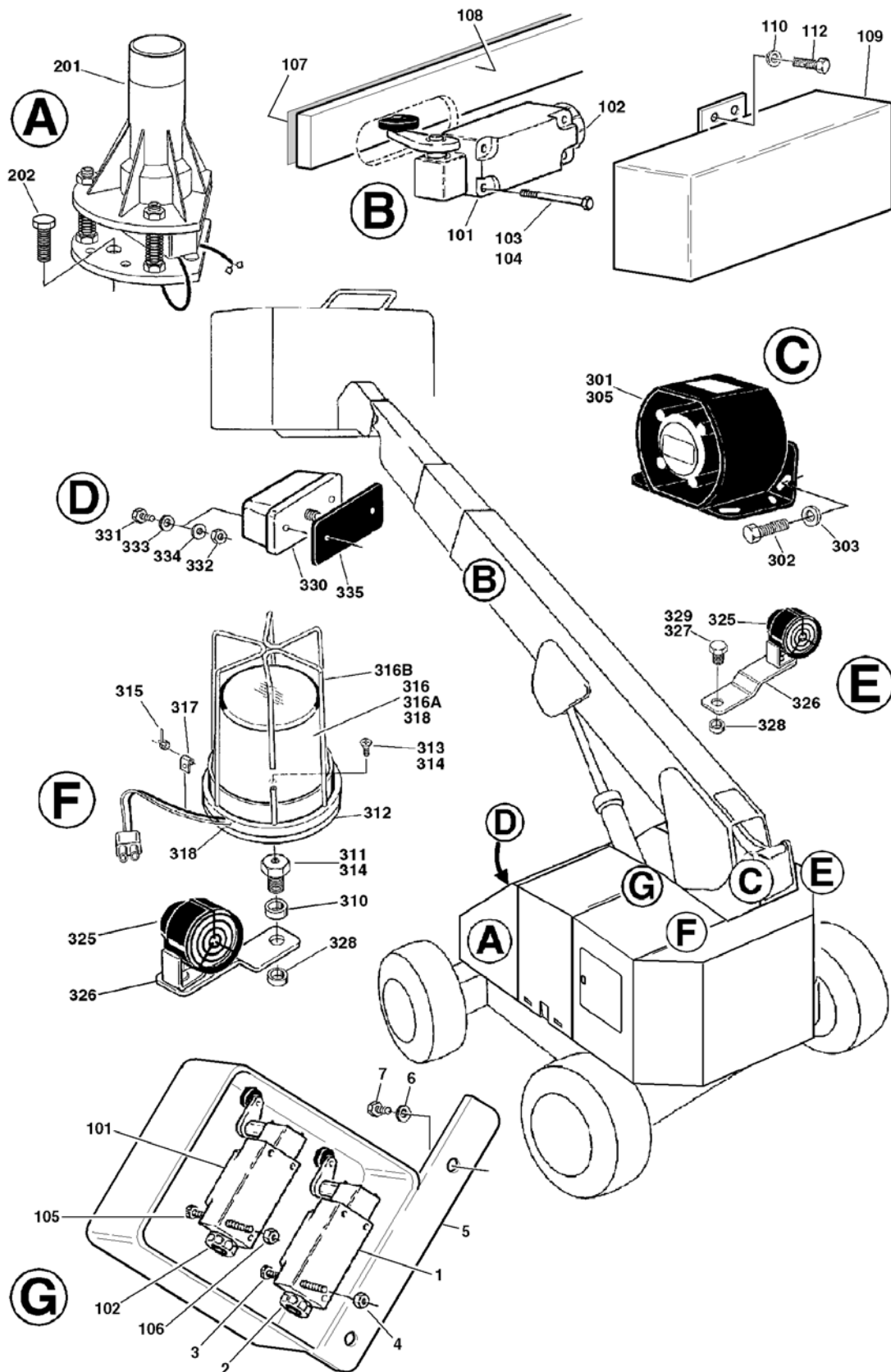
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
20	4360469	1	Switch, Key	
20A	2860030	1	Key Replacement	
21	4360475	1	Switch, Emergency Stop	
22	4360476	1	Switch, Contact Block	
23	4460234	2	Tie, Wire (Not Shown)	
24		A/R	Connector, Strain Relief Options:	
	4460428	3	Prior to S/N 64398	
	4460426	2	S/N 64398 to S/N 68132	
	4460426	1	S/N 68132 to Present	
25	4460470	1	Nut, Terminal	
26	4460471	1	Lockwasher, Terminal	
27	4460488	7	Mounting Base, Terminal	
28	4460526	1	Connector, Strain Relief	
29	4460874	1	Connector, Natural	
30	4460875	1	Connector, Gray	
31	4740444	6	Washer, Special	
32	4751400	20	Flatwasher 1/4"	
33	4761400	15	Lockwasher 1/4"	
34		1	Harness, Analyzer Cable (Not Shown) Options:	
	4922485		Prior to S/N 64398	
	4922666		S/N 64398 to S/N 86148	
35 to 38	Not Used			
39	3740049	A/R	Relay	
40	3900268	A/R	Screw, Flange #10 x 1/2"	
41	4460905	A/R	Connector, Amp Seal Plug	
42	0100048	A/R	Grease, Dielectric	
43	1705132	1	Decal - ADE Control (S/N 66899 to S/N 99060)	
44	3520035	1	Plug, Cap (S/N 68132 to Present)	
45		1	Valve Harness Assembly (Not Shown - See Section 7 for Breakdown)	
	4922490		Prior to S/N 85132	
	4923206		S/N 85132 to Present	
46		1	Ground Control Box Harness Assembly (Not Shown - See Section 7 for Breakdown)	
	4922487		Deutz Engine (Prior to S/N 64398)	
	4922486		Ford Engine - LRG425 (Prior to S/N 64398)	
	4922649		Deutz/Ford Engine - LRG425 (S/N 64398 to S/N 85132)	
	4923213		Deutz Engine (S/N 85132 to S/N 99060)	
	4923577		Deutz Engine (S/N 99060 to Present)	
47		1	Engine Harness Assembly (Not Shown - See Section 7 for Breakdown)	
	4922488		Deutz Engine (Prior to S/N 85132)	
	4922489		Deutz Engine With A "Enhanced Hostile Environment Package" Machines (Prior to S/N 85132)	
	4922519		Ford Engine - LRG425 With EFI (Prior to S/N 85132)	
	4923212		Deutz Engine (S/N 85132 to Present)	

FIGURE 2-27. GROUND CONTROL BOX ASSEMBLIES (ADE SYSTEM) (S/N 62137 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-28. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)



SECTION 2 TURNTABLE

FIGURE 2-28. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)	
	0255335	Ref.	LIMIT SWITCH INSTALLATION - ABOVE HORIZONTAL	6
1		1	Switch, Limit Options:	
	4360322		Prior to S/N 74471	
	4360549		S/N 74471 to S/N 80898	
	4360578		S/N 80898 to Present	
2		1	Connector, Strain Relief Options:	
	4460428		Prior to S/N 68977	
	4460968		S/N 74471 to Present	
3		2	Capscrew Options:	
	3930828		Capscrew, Socket Head #8-32NC x 1 3/4"	
			(Prior to S/N 68977)	
	3931028		Capscrew, Socket Head #10-24NC x 1 3/4" (S/N 68977 to Present)	
4		2	Locknut Options:	
	3310805		Locknut #8-32NC (Prior to S/N 68977)	
	3311005		Locknut #10-24NC (S/N 68977 to Present)	
5	1670818	1	Cover, Limit Switch	
6	4751400	4	Flatwasher 1/4"	
7	3931408	4	Bolt, 1/4"-20NC x 1"	
	0255698	Ref.	LIMIT SWITCH INSTALLATION - DUAL CAPACITY	7/D
101		2	Switch, Limit Options:	
	4360322		Prior to S/N 74471	
	4360549		S/N 74471 to S/N 80898	
	4360578		S/N 80898 to Present	
102		2	Connector, Strain Relief Options:	
	4460428		Prior to S/N 68977	
	4460968		S/N 74471 to Present	
103	0100035	A/R	Loctite #272	
104	3930816	2	Capscrew, Socket Head #8-32NC x 1"	
105	3930828	2	Capscrew, Socket Head #8-32NC x 1 3/4"	
106	3310805	2	Locknut #8-32NC	
107	4420054	9ft/2.7m	Tape, Double Sided	
108	1001106479	1	Bar, Fiberglass (was p/n 0362528)	
109	1670824	1	Cover, Limit Switch	
110	4751400	4	Flatwasher 1/4"	
111	Not Used			
112	0641403	4	Bolt, 1/4"-20NC x 3/8"	

SECTION 2 TURNTABLE

FIGURE 2-28. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	TILT INDICATOR SWITCH INSTALLATION OPTIONS:	
	0256375	Ref.	Prior to S/N 36370	1
	0258542	Ref.	S/N 36370 to S/N 62137	1
	0271500	Ref.	S/N 62137 to Present (ADE System)	1
201	4360417	1	Switch, Level Sensing	
202	0641412	2	Bolt 1/4"-20NC x 1 1/2"	
203	3311405	2	Locknut 1/4"-20NC	
	0257886	Ref.	ALARMS INSTALLATION (OPTIONAL)	1
301	0257887	1	Alarm/Harness Assembly	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
	4460424	1	Plug	
	4460268	2	Socket	
302	0641406	2	Bolt 1/4"-20NC x 3/4"	
303	4711400	2	Flatwasher 1/4" Narrow	
304	Not Used			
305	0100048	A/R	Sealant, Silicone	
306 to 309	Not Used			
	0257885	Ref.	STROBE LIGHT INSTALLATIONS (AMBER) (OPTIONAL)	3
310	4220162	1	Spacer, Stop (Prior to S/N 69790)	
311	0630491	1	Bolt, Special (Prior to S/N 69790)	
312	3539281	1	Plate, Mounting (Prior to S/N 69790)	
313	0741606	1	Screw, Flathead Countersunk 3/8"-16NC x 3/4" (Prior to S/N 69790)	
314	0100011	A/R	Loctite #242	
315	4240032	1	Wire-Tile	
316		1	Strobe Light/Guard/Harness Assembly (Prior to S/N 69790)	
	0255917	1	Strobe Light/Guard/Harness Assembly (Prior to S/N 69790)	2
	0272507	1	Strobe Light/Guard/Harness Assembly (S/N 69790 to Present)	B
		1	Bulb, Replacement Options:	
	7016380		Bulb Prior to S/N 92880	
	70001941		Bulb S/N 92880 to Present	
316A		1	Light, Amber Options:	
	2920130		Light Prior to S/N 92880	
	2920214		Light S/N 92880 to Present	
316B		1	Guard Options:	
	4060907		Guard Prior to S/N 92880	
	2920215		Guard S/N 92880 to Present	
317	4460234	1	Clamp	
318	0100048	A/R	Sealant, Silicone	
319 to 324	Not Used			

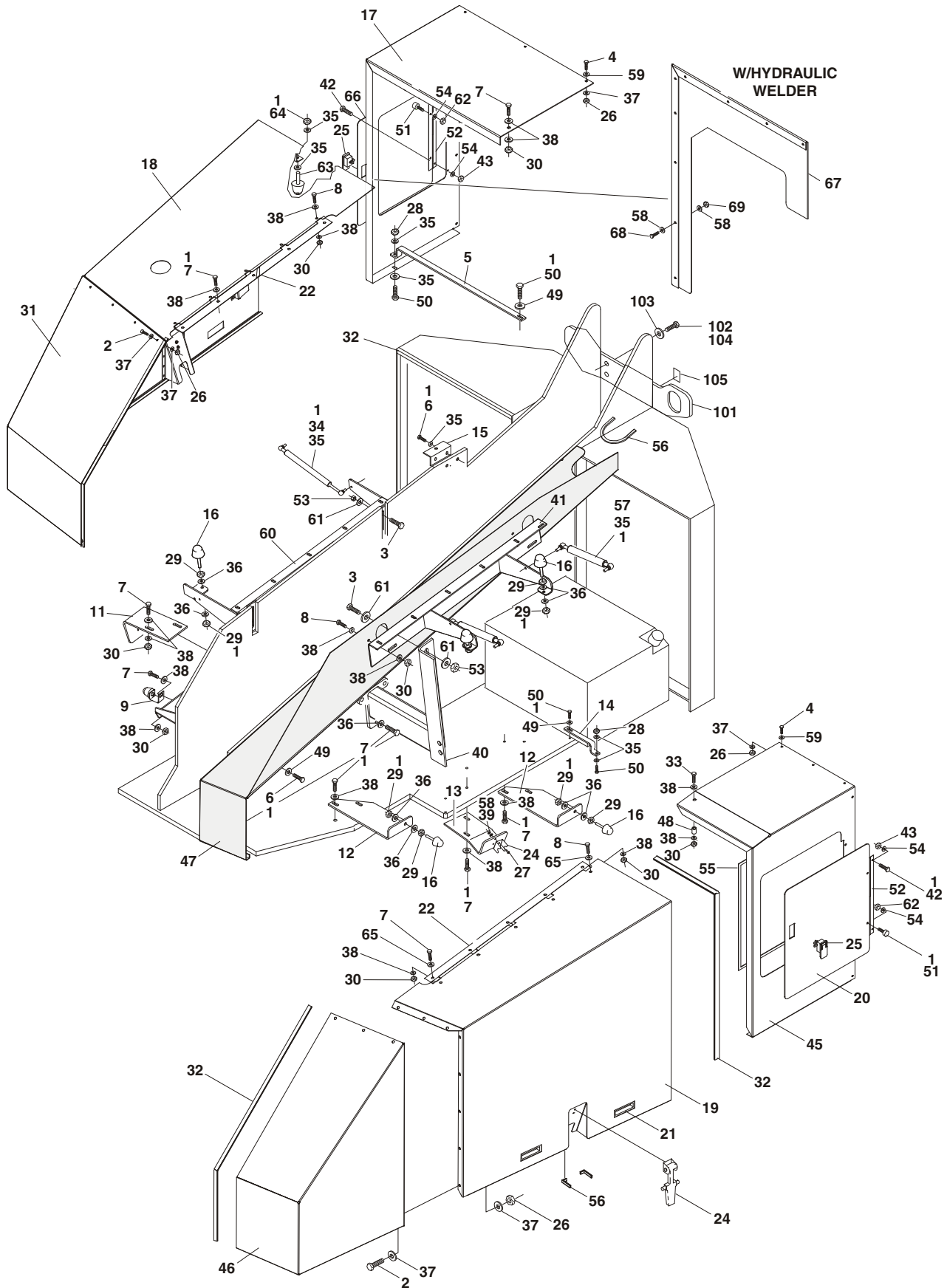
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FIGURE 2-28. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0259309	Ref.	HEAD LIGHT & TAIL LIGHT INSTALLATIONS - MODEL 601S With a "Enhanced Hostile Environment Package" (OPTIONAL) (PRIOR TO S/N 62137)	1
	0270802	Ref.	HEAD LIGHT & TAIL LIGHT INSTALLATIONS - MODEL 601S With a "Enhanced Hostile Environment Package" (OPTIONAL) (S/N 62137 TO S/N 63913)	1
	0271044	Ref.	HEAD LIGHT & TAIL LIGHT INSTALLATIONS - MODEL 601S With a "Enhanced Hostile Environment Package" (OPTIONAL) (S/N 63913 TO PRESENT)	2
	0270852	Ref.	BRAKE LIGHTS INSTALLATION - MODEL 601S With a "Enhanced Hostile Environment Package" (OPTIONAL) (PRIOR TO S/N 62137)	1
	0271370	Ref.	BRAKE LIGHTS INSTALLATION - MODEL 601S With a "Enhanced Hostile Environment Package" (OPTIONAL) (S/N 62137 TO PRESENT)	2
325	2920110	2	Head Light	
326	0902206	2	Bracket, Mounting	
327	0642612	1	Bolt 1"-8NC x 1 1/2"	
328	4220162	2	Spacer	
329	0100011	A/R	Loctite #242	
330	2920113	2	Tail Light	
331	3911040	4	Screw, Machine #10-24NC x 2 1/2"	
332	3311005	4	Locknut #10-24NC	
333	4751000	4	Flatwasher #10	
334	4740362	4	Washer, Fender 1/4"	
335	3960461	2	Gasket	
336	Not Used			
337	4240032	14	Tie-Strap (Not Shown)	
338	4460234	14	Mount, Cable Tie (Not Shown)	

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FIGURE 2-29. HOODS INSTALLATION - MODEL 601S



SECTION 2 TURNTABLE

FIGURE 2-29. HOODS INSTALLATION - MODEL 601S

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258042	Ref.	HOODS INSTALLATION (STANDARD)	F
	0271571	Ref.	HOODS INSTALLATION (W/HYDRAULIC WELDER) (OPTIONAL)	3/D
1	0100011	A/R	Loctite #242	
2	0641406	A/R	Bolt 1/4"-20NC x 3/4"	
3	0630507	8	Bolt, Carriage 1/2"-13NC x 1 1/4"	
4	0641408	A/R	Bolt 1/4"-20NC x 1"	
5	0362759	1	Bar	
6	0641507	A/R	Bolt 5/16"-18NC x 7/8"	
7	0641608	29	Bolt 3/8"-16NC x 1"	
8	0641614	10	Bolt 3/8"-16NC x 1 3/4"	
9	0902219	2	Bracket, Bumper	
10	Not Used			
11	0902480	1	Bracket	
12	0902434	2	Bracket,	
13	0902435	1	Bracket,	
14	0362760	1	Bar	
15	0181946	1	Angle, Hood Mount	
16	0940071	7	Bumper, Rubber (Hood)	
17		1	Cover Options:	
	1670843		Standard	
	4846473		W/Hydraulic Welder	
18	1670851	1	Cover (Engine Side)	
19	1670853	1	Cover (Tank Side)	
20	1780301	1	Door	
21	2560126	4	Handle, Pocket	
22	2600238	2	Hinge	
23	Not Used			
24	2940088	2	Latch, Hood	
25	2940042	A/R	Latch (Lift & Turn)	
26	3311405	31	Locknut 1/4"-20NC	
27	0721005	8	Screw #10-24NC x 5/8"	
28	3311505	2	Locknut 5/16"-18NC	
29	3311601	14	Nut 3/8"-16NC	
30	3311605	18	Locknut 3/8"-16NC	
31	1670866	1	Cover, Nose Weldment	
32	3960389	19.3ft/5.9m	Seal	
33	0641620	A/R	Bolt 3/8"-16NC x 2 1/2"	
34	4160169	2	Spring, Gas	
35	4711500	16	Flatwasher 5/16" (Narrow)	
36	4711600	20	Flatwasher 3/8" (Narrow)	
37	4751400	45	Flatwasher 1/4" (Wide)	
38	4751600	42	Flatwasher 3/8" (Wide)	
39	3311055	8	Locknut #10-24NC	
40	4845692	2	Weldment, Bracket	
41	4845698	1	Weldment, Angle	
42	0630407	A/R	Bolt 1/4"-20NC x 5/8"	
43	3311401	A/R	Nut 1/4"-20NC	
44	Not Used			

SECTION 2 TURNTABLE

FIGURE 2-29. HOODS INSTALLATION - MODEL 601S (CONTINUED)

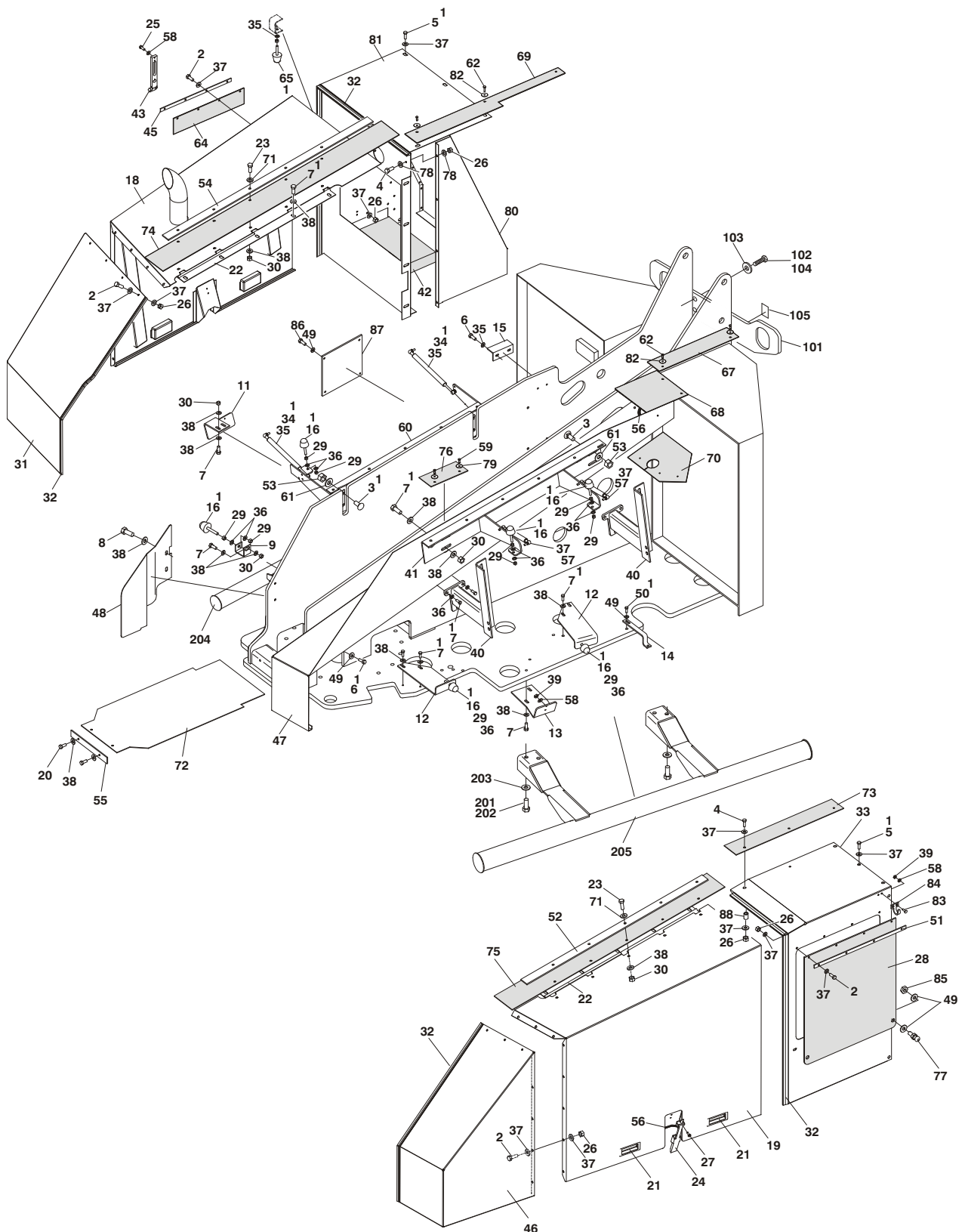
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	1670861	1	Cover	1
46	1670862	1	Cover (Tank Side)	
47	1670863	1	Cover	
48	4567519	1	Tube	
49	4751500	7	Flatwasher 5/16" (Wide)	
50	0641508	4	Bolt 5/16"-18NC x 1"	
51	0940086	A/R	Bumper, Rubber	
52	2600243	A/R	Hinge	
53	3311801	8	Nut 1/2"-13NC	
54	4711400	A/R	Flatwasher 1/4" (Narrow)	
55	3960417	A/R	Seal	
56	4060803	2ft/0.6m	Shield	
57	4160171	2	Spring, Gas	
58	4751000	A/R	Flatwasher #10 (Wide)	
59	4740362	14	Flatwasher 1/4"	
60	4845800	1	Bracket	
61	4891800	8	Flatwasher 1/2"	
62	3300151	A/R	Nut, Acorn 1/4"-20NC	
63	0940088	1	Bumper, Hood	
64	3321501	2	Nut 5/16"-24NC	
65	4740483	10	Washer	
66	1780324	1	Door, Hood (W/Hydraulic Welder)	
67	3573275	1	Plate, Baffle (W/Hydraulic Welder)	
68	3911008	10	Screw 10-24NC x 1/2" (W/Hydraulic Welder)	
69	3311001	10	Nut 10-24NC (W/Hydraulic Welder)	
	0258336	Ref.	LIFTING PLATE INSTALLATION	
101	3570920	1	Plate, Lifting	
102	0682014	4	Bolt 5/8"-11NC x 1 3/4"	
103	4892000	4	Flatwasher 5/8" (Hardened)	
104	0100019	A/R	Loctite #271	
105	1701500	2	Decal - Tie Down/Lift	

FIGURE 2-29. HOODS INSTALLATION - MODEL 601S (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2 TURNTABLE

FIGURE 2-30. HOODS INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE")



SECTION 2 TURNTABLE

FIGURE 2-30. HOODS INSTALLATION - MODEL 601S WITH A “ENHANCED HOSTILE ENVIRONMENT PACKAGE)”

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0259065	Ref.	HOODS INSTALLATION (STANDARD)	F
	0271599	Ref.	HOODS INSTALLATION (W/SIGHT GAGE)	A
1	0100011	A/R	Loctite #242	
2	0641406	25	Bolt 1/4"-20NC x 3/4"	
3	0630507	8	Bolt, Carriage 1/2"-13NC x 1 1/4"	
4	0641404	11	Bolt 1/4"-20NC x 1/2"	
5	0641408	19	Bolt 1/4"-20NC x 1"	
6	0641507	6	Bolt 5/16"-18NC x 7/8"	
7	0641608	28	Bolt 3/8"-16NC x 1"	
8	0641606	2	Bolt 3/8"-16NC x 3/4"	
9	0902219	2	Bracket, Bumper	
10	Not Used			
11	0902480	1	Bracket,	
12	0902434	2	Bracket,	
13	0902435	1	Bracket,	
14	0362760	1	Bar	
15	0181986	1	Angle, Hood Mount	
16	0940071	7	Bumper, Rubber (Hood)	
17	Not Used			
18	1670851	1	Cover (Engine Side)	
19	1670853	1	Cover (Tank Side)	
20	0641607	6	Bolt 3/8"-16NC x 7/8"	
21	2560126	4	Handle, Pocket	
22	2600238	2	Hinge	
23	0641618	10	Bolt 3/8"-16NC x 2 1/4"	
24	2940088	2	Latch, Hood	
25	0721004	3	Screw #10-24NC x 1/2"	
26	3311405	36	Locknut 1/4"-20NC	
27	0721005	8	Screw #10-24NC x 5/8"	
28	1670895	1	Cover (Ground Control Door)	
29	3311601	14	Nut 3/8"-16NC	
30	3311605	15	Locknut 3/8"-16NC	
31	1670866	1	Cover, Nose Weldment	
32	3960389	19.3ft/5.9m	Seal	
33		1	Cover (Ground Control) Options:	
	1670896		Standard	
	1671029		W/Sight Gage	
34	4160169	2	Spring, Gas	
35	4711500	16	Flatwasher 5/16" (Narrow)	
36	4711600	20	Flatwasher 3/8" (Narrow)	
37	4751400	52	Flatwasher 1/4" (Wide)	
38	4751600	45	Flatwasher 3/8" (Wide)	
39	3311005	10	Locknut #10-24NC	
40	4845692	2	Weldment, Bracket	
41	4845698	1	Weldment, Angle	
42	2120170	1	Filter, Air	
43	2940080	1	Latch	

SECTION 2 TURNTABLE

FIGURE 2-30. HOODS INSTALLATION - MODEL 601S WITH A “ENHANCED HOSTILE ENVIRONMENT PACKAGE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
44	Not Used			
45	3571300	1	Plate (Door Hinge)	
46	1670862	1	Cover (Tank Side)	
47	1670863	1	Cover	
48	3571334	1	Plate (Cover Engine/Turntable)	
49	4751500	27	Flatwasher 5/16" (Wide)	
50	0641508	1	Bolt 5/16"-18NC x 1"	
51	3571407	1	Plate (Ground Control Door Hinge)	
52	3571408	1	Plate (Tank Side)	
53	3311805	8	Locknut 1/2"-13NC	
54	3571409	1	Plate (Engine Side)	
55	3571410	1	Plate (Boom Rest)	
56	4060803	7.5ft/2.3m	Trinlock	
57	4160171	2	Spring, Gas	
58	4751000	13	Flatwasher #10 (Wide)	
59	3820019	5	Rivet	
60	4845800	1	Weldment, Bracket	
61	4891800	8	Flatwasher 1/2"	
62	3941406	5	Self Tapping 1/4"-20NC x 3/4"	
63	0641506	1	Bolt 5/16"-18NC x 3/4"	
64	3960499	1	Rubber Flap, Door	
65	0940088	1	Bumper (Hood)	
66	Not Used			
67	3960502	1	Seal (Tank Side CWT)	
68	3960503	1	Seal (Tray to CWT)	
69	3960504	1	Seal (Engine Side Spacer & CWT)	
70	3960505	1	Seal (Tray Power Track)	
71	4740483	10	Washer	
72	3960506	1	Seal	
73	3960507	1	Seal (Ground Control Box)	
74	3960508	1	Seal (Engine Side Hood)	
75	3960509	1	Seal (Tank Side)	
76	3960510	1	Seal (Power Track Tray)	
77	4300137	2	Stud	
78	4711400	20	Flatwasher 1/4" (Narrow)	
79	4740371	5	Washer, Special	
80	4845988	1	Weldment, Air Filter Box	
81	4845989	1	Weldment, Hood/Air Filter Box	
82	4740362	9	Washer, Fender	
83	0741006	2	Screw #10-24NC x 3/4"	
84	2700094	1	Hook	
85	3311505	2	Locknut 5/16"-18NC	
86	0641504	4	Bolt 5/16"-18NC x 1/2"	
87	3571741	1	Plate, Cover	
88	4567519	1	Tube (S/N 40026 to Present)	

SECTION 2 TURNTABLE

FIGURE 2-30. HOODS INSTALLATION - MODEL 601S WITH A “ENHANCED HOSTILE ENVIRONMENT PACKAGE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258336	Ref.	LIFTING PLATE INSTALLATION	1
101	3570920	1	Plate, Lifting	
102	0682014	4	Bolt 5/8"-11NC x 1 3/4"	
103	4892000	4	Flatwasher 5/8" (Hardened)	
104	0100019	A/R	Loctite #271	
105	1701500	2	Decal - Tie Down/Lift	
	0259066	Ref.	BUMPER INSTALLATION	A
201	0100011	A/R	Loctite #242	
202	0641810	8	Bolt 1/2"-13NC x 1 1/4"	
203	4711800	8	Flatwasher 1/2" (Narrow)	
204	4845957	1	Weldment, Bumper Engine Side	
205	4845958	1	Weldment, Bumper Control Panel Side	

SECTION 2 TURNTABLE

FIGURE 2-30. HOODS INSTALLATION - MODEL 601S WITH A “ENHANCED HOSTILE ENVIRONMENT PACKAGE) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 3 BOOM

SECTION 3 BOOM

FIGURE 3-1. BOOM AND CYLINDER INSTALLATIONS

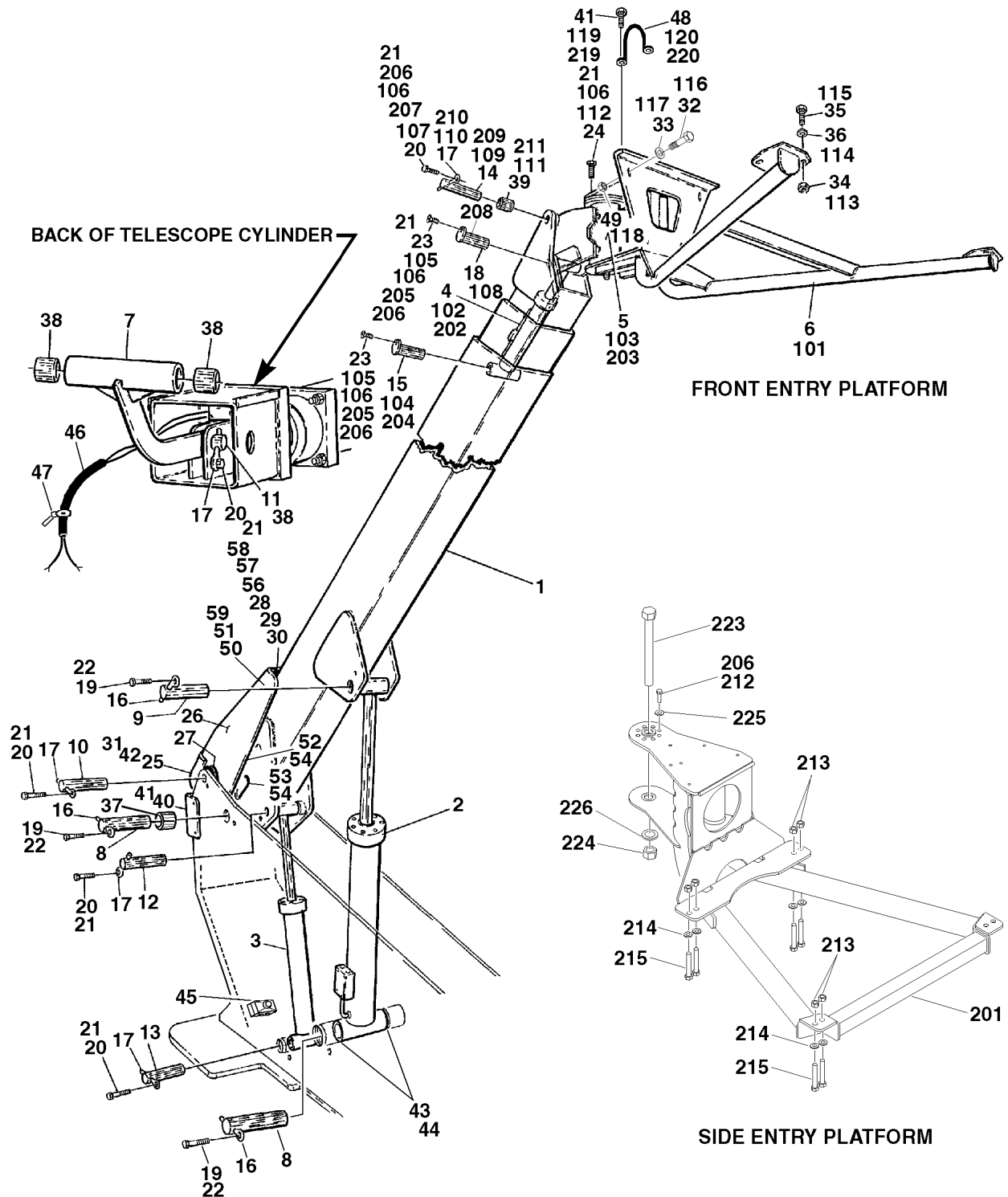


FIGURE 3-1. BOOM AND CYLINDER INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	BOOMS AND CYLINDERS INSTALLATIONS OPTIONS:	
	0258002	Ref.	ANSI - Model 601S Machines (Prior to S/N 41861)	4
	0258004	Ref.	ANSI - Model 601S Machines (S/N 41861 to S/N 67891)	6
	0258004	Ref.	CSA - Model 601S Machines (Front Entry Platform)	6
	0272143	Ref.	ANSI /CSA - Model 601S Machines (Side Entry Platform)	5
	0259067	Ref.	Model 601S With a "Enhanced Hostile Environment Package" Machines (Front Entry Platform)	5
	0272140	Ref.	Model 601S With a "Enhanced Hostile Environment Package" Machines (Side Entry Platform)	4
1		1	Boom Assembly Options: (See Figure 3-2 for Breakdown)	
	0801009		Model 601S Machines (Prior to S/N 38122)	
	0801166		Model 601S Machines (S/N 38122 to S/N 74471)	
	0801382		Model 601S Machines (S/N 74471 to S/N 96979)	
	0801476		Model 601S Machines (S/N 96979 to Present)	
	0801183		Model 601S With a "Enhanced Hostile Environment Package" Machines (Prior to S/N 96979)	
	0801477		Model 601S With a "Enhanced Hostile Environment Package" Machines (S/N 96979 to Present)	
2	1683666	1	Lift Cylinder Assembly (See Section 5 for Breakdown)	
3		1	Master Cylinder Assembly Options (See Section 5 for Breakdown):	
	1683266		Prior to S/N 96979	
	1684414		S/N 96979 to Present	
4	1683415	1	Platform Level Cylinder Assembly (See Section 5 for Breakdown)	
5		1	Rotator Assembly Options:	
	0060034		Prior to S/N 45690 (See Figure 3-3 for Breakdown)	
	0060067		S/N 67891 to Present (See Figure 3-4 for Breakdown)	
6	4845683	1	Weldment, Platform Support (Prior to S/N 45690)	
7	1001094043	1	Weldment, Push Link (was p/n 4844944)	
8		2	Pin Options: (Cylinder Pivot - T/T End & Boom Pivot)	
	Use 3422564		ANSI (Prior to S/N 41861) (Was p/n 3422433)	
	3422564		ANSI (S/N 41861 to Present) & CSA	
9		1	Pin Options: (Lift Cylinder - Boom End)	
	Use 3422568		ANSI (Prior to S/N 41861) (Was p/n 3422437)	
	3422568		ANSI (S/N 41861 to S/N 96979) & CSA	
	3423184		ANSI (S/N 96979 to Present) & CSA	
10		1	Pin Options: (Link - T/T End)	
	Use 3422566		ANSI (Prior to S/N 41861) (Was p/n 3422435)	
	3422566		ANSI (S/N 41861 to Present) & CSA	
11		1	Pin Options: (Link - Boom End)	
	Use 3422557		ANSI (Prior to S/N 41861) (Was p/n 3422418)	
	3422557		ANSI (S/N 41861 to Present) & CSA	
12		1	Pin Options: (Master Cylinder - Boom End)	
	Use 3422567		ANSI (Prior to S/N 41861) (Was p/n 3422436)	
	3422567		ANSI (S/N 41861 to S/N 96979) & CSA	
	3422563		ANSI (S/N 96979 to Present) & CSA	

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FIGURE 3-1. BOOM AND CYLINDER INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
13	Use 3422565 3422565	1	Pin Options: (Master Cylinder - T/T End) ANSI (Prior to S/N 41861) (Was p/n 3422434) ANSI (S/N 41861 to Present) & CSA	
14	Use 3422562 3422562	1	Pin Options: (Rotator) (Prior to S/N 45690) ANSI (Prior to S/N 41861) (Was p/n 3422425) ANSI (S/N 41861 to Present) & CSA	
15	Use 3422569 3422569	1	Pin Options: (Level Cylinder - Boom End) ANSI (Prior to S/N 41861) (Was p/n 3422438) ANSI (S/N 41861 to Present) & CSA	
16	3841258	3	Keeper, Pin	
17	3841143	5	Keeper, Pin	
18	Use 3422580 3422580	1	Pin Options: (Level Cylinder - Rotator End) ANSI (Prior to S/N 41861) (Was p/n 3422489) ANSI (S/N 41861 to Present) & CSA	
19	0642012	3	Bolt 5/8"-11NC x 1 1/2"	
20	0641608	5	Bolt 3/8"-16NC x 1"	
21	0100011	A/R	Loctite #242	
22	0100019	A/R	Loctite #271	
23	0741607	2	Screw, Countersunk 3/8"-16NC x 7/8"	
24	0641810	6	Bolt 1/2"-13NC x 1 1/4" (Prior to S/N 45690)	
25	3539475	1	Cover, Boom End (Back)	
26	3539476	1	Cover, Boom End (Top & Sides) Options: Model 601S	
	3571287		Model 601S With a "Enhanced Hostile Environment Package"	
27	0962057	2	Bushing	
28	3340800	1	Pad, Wear	
29	0630458	1	U-Bolt Options: Model 601S Machines	
	Not Required		Model 601S With a "Enhanced Hostile Environment Package" Machines	
30	3311402	4	Nut Options: Jam Nut 1/4"-20NC (Model 601S Machines)	
	3311405	2	Locknut 1/4"-20NC (Model 601S With a "Enhanced Hostile Environment Package" Machines)	
31	0641407	4	Bolt 1/4"-20NC x 7/8"	
32	0641820	2	Bolt 1/2"-13NC x 2 1/2" (Prior to S/N 45690)	
33	4751800	4	Flatwasher 1/2" (Prior to S/N 45690)	
34	3311605	8	Locknut 3/8"-16NC (Prior to S/N 45690)	
35	0681610	8	Bolt 3/8"-16NC x 1 1/4" (Grade 8) (Prior to S/N 45690)	
36	4711600	16	Flatwasher 3/8" (Narrow) (Prior to S/N 45690)	
37	0961950	2	Bushing	
38	0962006	3	Bushing, Garmax	
39	0961951	2	Bushing, Garmax	
40	3539563	1	Cover	
41	0641604	6	Bolt 3/8"-16NC x 1/2"	
42	2080043	4	Rivnut	
43	4740314	A/R	Washer, Thrust	
44	4740158	A/R	Washer, Thrust	
45	1320235	1	Clamp	
46	4130033	2ft/0.6m	Sleeve	

FIGURE 3-1. BOOM AND CYLINDER INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
47	4240033	A/R	Tie-Strap	
48	3841340	1	Loop, Hose	
49	3311805	2	Locknut 1/2"-13NC (Prior to S/N 45690)	
50	3340851	2	Pad, Wear (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
51	4761600	2	Lockwasher 3/8" (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
52	1670888	2	Cover, Boom Access (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
53	1670889	2	Cover, Boom Access (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
54	0641403	8	Bolt 1/4"-20NC x 3/8" (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
55	2820104	8ft/2.4m	Insulator, Hose & Cable (Model 601S With a "Enhanced Hostile Environment Package" Machines Only) (Not Shown) (Prior to S/N 45690)	
56	0641409	2	Bolt 1/4"-20NC x 1 1/8" (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
57	0362836	1	Bar, Retainer (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
58	3960500	1	Seal, Neoprene (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
59	0641605	2	Bolt 3/8"-16NC x 5/8" (Model 601S With a "Enhanced Hostile Environment Package" Machines Only)	
		Ref.	ROTATOR AND SUPPORT INSTALLATIONS (FRONT ENTRY PLATFORM) OPTIONS:	
	0259489	Ref.	Model 601S	1
	0259437	Ref.	Model 601S With a "Enhanced Hostile Environment Package"	1
101	4845683	1	Weldment, Platform Support	
102	1683415	1	Platform Level Cylinder Assembly (See Section 5 for Breakdown)	
103	0060034	1	Rotator Assembly (See Figure 3-3 for Breakdown)	
104	3422569	1	Pin (Level Cylinder - Boom End)	
105	0741607	2	Screw, Countersunk 3/8"-16NC x 7/8"	
106	0100011	A/R	Loctite #242	
107	0641608	1	Bolt 3/8"-16NC x 1"	
108	3422580	1	Pin (Level Cylinder - Rotator End)	
109	3422562	1	Pin (Rotator)	
110	3841143	1	Keeper, Pin	
111	0961951	2	Bushing, Garmax	
112	0641810	6	Bolt 1/2"-13NC x 1 1/4"	
113	3311605	8	Locknut 3/8"-16NC	
114	4711600	16	Flatwasher 3/8" (Narrow) (Prior to S/N 67891)	
115	0681610	8	Bolt 3/8"-16NC x 1 1/4" (Grade 8)	
116	0641820	2	Bolt 1/2"-13NC x 2 1/2"	
117	4751800	4	Flatwasher 1/2"	
118	3311805	2	Locknut 1/2"-13NC	
119	0641604	2	Bolt 3/8"-16NC x 1/2"	
120	3841340	1	Loop, Hose	

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FIGURE 3-1. BOOM AND CYLINDER INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
121	4240033	24	Tie-Strap (Model 601S With a "Enhanced Hostile Environment Package" Machines Only) (Not Shown)	D
122	2820104	8ft/2.4m	Insulator, Hose & Cable (Model 601S With a "Enhanced Hostile Environment Package" Machines Only) (Not Shown)	
	0272070	Ref.	ROTATOR AND SUPPORT INSTALLATION (SIDE ENTRY PLATFORM)	
201	4846573	1	Weldment, Platform Support	
202	1683415	1	Platform Level Cylinder Assembly (See Section 5 for Breakdown)	
203	0060067	1	Rotator Assembly (See Figure 3-4 for Breakdown)	
204	3422569	1	Pin (Level Cylinder - Boom End)	
205	0741607	2	Screw, Countersunk 3/8"-16NC x 7/8"	
206	0100011	A/R	Loctite #242	
207	0641608	1	Bolt 3/8"-16NC x 1"	
208	3422580	1	Pin (Level Cylinder - Rotator End)	
209	3422562	1	Pin (Rotator)	
210	3841143	1	Keeper, Pin	
211	0961951	2	Bushing, Garmax	
212	0681608	8	Bolt 3/8"-16NC x 1" (Grade 8)	
213	3311805	8	Locknut 1/2"-13NC	
214	4891800	8	Flatwasher 1/2" (Hardened)	
215	0641812	8	Bolt 1/2"-13NC x 1 1/2"	
216 to 218	Not Used			
219	0641604	2	Bolt 3/8"-16NC x 1/2"	
220	3841340	1	Loop, Hose	
221	4240033	24	Tie-Strap (Model 601S With a "Enhanced Hostile Environment Package" Machines Only) (Not Shown)	
222	2820104	8ft/2.4m	Insulator, Hose & Cable (Model 601S With a "Enhanced Hostile Environment Package" Machines Only) (Not Shown)	
223	0642684	1	Bolt 1"-8NC x 10 1/2"	
224	3272605	1	Locknut 1"-8NC	
225	4891600	8	Flatwasher 3/8" (Hardened)	
226	4892600	1	Flatwasher 1" (Hardened)	

FIGURE 3-1. BOOM AND CYLINDER INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

FIGURE 3-2. BOOM ASSEMBLIES

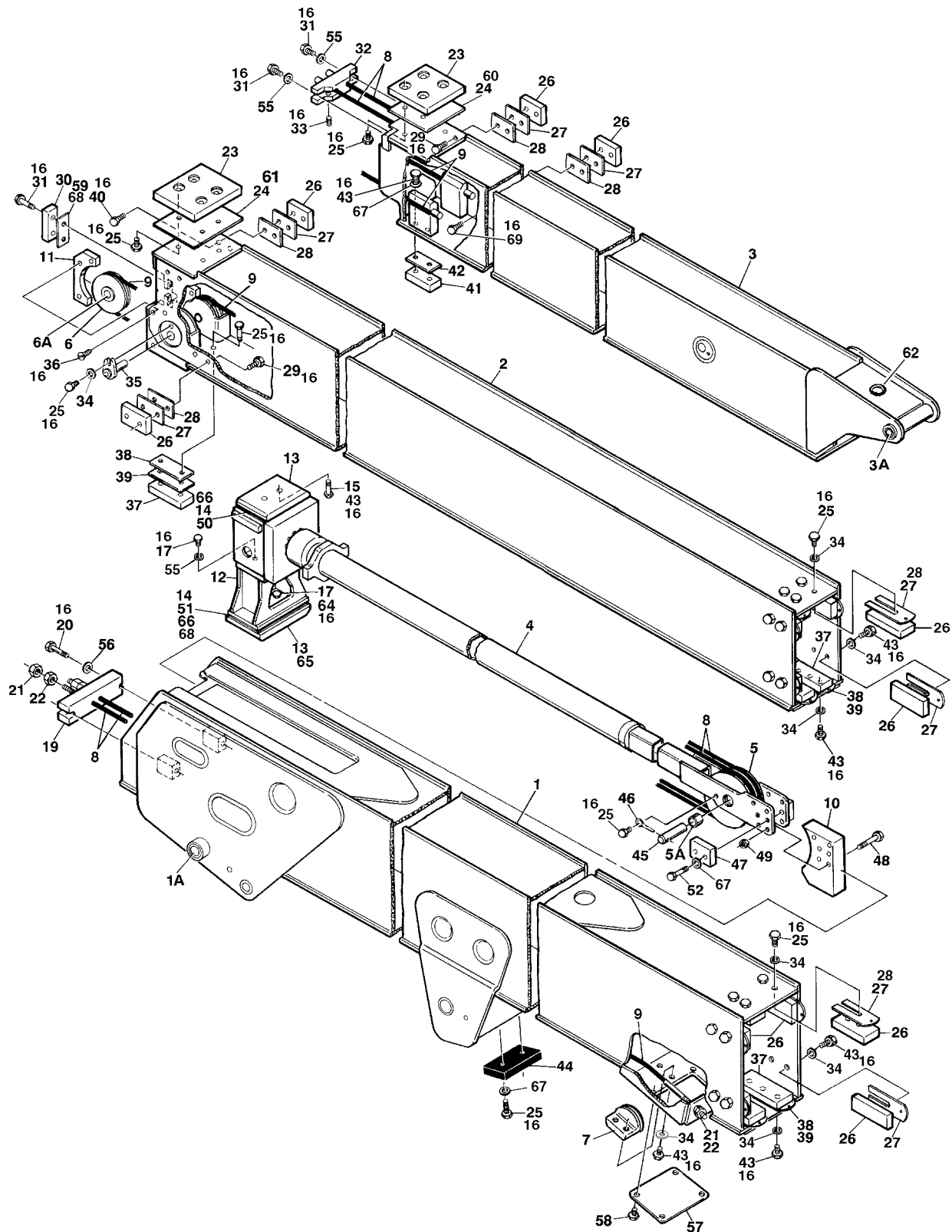


FIGURE 3-2. BOOM ASSEMBLIES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0801009	Ref.	BOOM ASSEMBLY - MODEL 601S (PRIOR TO S/N 38122)	22
	0801166	Ref.	BOOM ASSEMBLY - MODEL 601S (S/N 38122 TO S/N 74471)	8
	0801382	Ref.	BOOM ASSEMBLY - MODEL 601S (S/N 74471 TO S/N 96979)	4
	0801476	Ref.	BOOM ASSEMBLY - MODEL 601S (S/N 96979 TO PRESENT)	2
	0801183	Ref.	BOOM ASSEMBLY - MODEL 601S With a "Enhanced Hostile Environment Package" (PRIOR TO S/N 96979)	8
	0801477	Ref.	BOOM ASSEMBLY - MODEL 601S With a "Enhanced Hostile Environment Package" (S/N 96979 TO PRESENT)	2
1		1	Weldment, Base Options:	
	0801011		Weldment, Base - Model 601S (Prior to S/N 38122)	
	0801167		Weldment, Base - Model 601S (S/N 38122 to S/N 63253)	
	0801011		Weldment, Base - Model 601S (S/N 63253 to S/N 96979)	
	0801396		Weldment, Base - Model 601S (S/N 96979 to Present)	
	0801184		Weldment, Base - Model 601S With a "Enhanced Hostile Environment Package" (Prior to S/N 96979)	
	0801468		Weldment, Base - Model 601S With a "Enhanced Hostile Environment Package" (S/N 96979 to Present)	
1A		2	Bushing, Garmax Options:	
	0961950		Bushing, Garmax (Prior to S/N 38122)	
	0961956		Bushing, Garmax (S/N 38122 to Present)	
2		1	Weldment, Mid Options:	
	0801012		Weldment, Mid - Model 601S (Prior to S/N 74471)	
	0801372		Weldment, Mid - Model 601S (S/N 74471 to S/N 100776)	
	0801524		Weldment, Mid - Model 601S (S/N 100776 to Present)	
	0801012		Weldment, Base - Model 601S With a "Enhanced Hostile Environment Package" (Prior to S/N 100776)	
	0801525		Weldment, Base - Model 601S With a "Enhanced Hostile Environment Package" (S/N 100776 to Present)	
3		1	Weldment, Fly Options:	
	0801065		Prior to S/N 96979	
	0801498		S/N 96979 to Present	
3A	0961951	2	Bushing, Garmax	
4	1683618	1	Telescope Cylinder Assembly (See Section 5 for Breakdown)	
5	3580241	1	Sheave Assembly (Extend)	2/B
5A	0961951	2	Bushing, Garmax	
6	3580243	2	Sheave Assembly (Retract)	1/A
6A	0961951	2	Bushing, Garmax (1 Per Sheave)	
7		2	Block, Sheave Options:	
	3580244		Prior to S/N 41861	
	1220078		S/N 41861 to Present	
8	3890005	2	Cable (Extend)	
9	3890006	2	Cable (Retract)	
10	3580248	1	Guard, Sheave (Extend)	
11	3580249	2	Guard, Sheave (Retract)	
12		1	Weldment, Support Wear Pad Options:	
	4845105		Prior to S/N 38122	
	1220042		S/N 38122 to S/N 56363	
	4846319		S/N 56363 to Present	

SECTION 3 BOOM

FIGURE 3-2. BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
13		A/R	Wear Pad Options:	
	3340759	2	Prior to S/N 38122	
	3340844	2	S/N 38122 to Present	
14		A/R	Shim (.05) Options:	
	4070909		Prior to S/N 38122	
	4070975		S/N 38122 to S/N 72078	
15	0641608	A/R	Bolt 3/8"-16NC x 1" (Prior to S/N 82632)	
16	0100011	A/R	Loctite #242	
17		4	Bolt Options:	
	0681612		Bolt 3/8"-16NC x 1 1/2" (Grade 8) (Prior to S/N 82632)	
	0681610		Bolt 3/8"-16NC x 1 1/4" (Grade 8) (S/N 82632 to Present)	
18	Not Used			
19	0561184	1	Block, Cable	
20	0641824	2	Bolt 1/2"-13NC x 3"	
21	3312201	4	Nut 3/4"-10NC	
22	3300241	4	Locknut 3/4"-10NC (Special)	
23	3340757	2	Pad, Wear	
24	4070896	4	Shim (.06) (Without Slide-In Slots)	
25	0641607	A/R	Bolt 3/8"-16NC x 7/8"	
26		2	Pad, Wear Options:	
	3340756		Prior to S/N 65219	
	3340881		S/N 65219 to Present	
27	4070897	28	Shim (.05)	
28	4070898	24	Shim (.12)	
29		A/R	Bolt Options:	
	0641605		Bolt 3/8"-16NC x 5/8" (Prior to S/N 82632)	
	0641606		Bolt 3/8"-16NC x 3/4" (S/N 82632 to Present)	
30	0561185	2	Block	
31		6	Bolt Options:	
	0641618		Bolt 3/8"-16NC x 2 1/4" (Prior to S/N 96979)	
	0641616		Bolt 3/8"-16NC x 2" (S/N 96979 to Present)	
32	0561183	1	Block	
33	3951608	2	Setscrew 3/8"-16NC x 1"	
34	4711600	A/R	Flatwasher 3/8"	
35	3422424	2	Pin (Retract Sheave)	
36	0741612	6	Screw, Countersunk 3/8"-16NC x 1 1/2"	
37		5	Pad, Wear Options:	
	3340705		Prior to S/N 65219	
	3340871		S/N 65219 to Present	
38	4070863	12	Shim (.12)	
39	4070864	12	Shim (.05)	
40	0641613	A/R	Bolt 3/8"-16NC x 1 5/8"	
41	3340758	2	Pad, Wear	
42	4070895	8	Shim (.06)	
43		A/R	Bolt Options:	
	0641610	14	Bolt 3/8"-16NC x 1 1/4" (Prior to S/N 82632)	
	0641608	22	Bolt 3/8"-16NC x 1" (S/N 82632 to Present)	
44	0561076	1	Block	
45	3422417	1	Pin (Extend Sheave)	

FIGURE 3-2. BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
46	3841143	1	Keeper, Pin	
47	3340755	2	Pad, Wear	
48	0641634	4	Bolt 3/8"-16NC x 4 1/4"	
49	3311605	4	Locknut 3/8"-16NC	
50		1	Shim (.12) Options:	
	4070910		Prior to S/N 38122	
	4070976		S/N 38122 to Present	
51		1	Shim (.25) Options:	
	4070911		Prior to S/N 38122	
	4070977		S/N 38122 to S/N 56363	
	4071004		S/N 56363 to Present	
52		2	Bolt Options:	
	0641640		Bolt 3/8"-16NC x 5" (Prior to S/N 82632)	
	0641638		Bolt 3/8"-16NC x 4 3/4" (S/N 82632 to Present)	
53	Not Used			
54	Not Used			
55	4891600	6	Washer 3/8" (Hardened)	
56	4891800	2	Washer 1/2" (Hardened)	
57	3539622	1	Plate, Cover	
58	0641403	4	Bolt 1/4"-20NC x 3/8"	
59	4070929	A/R	Shim	
60	4070939	A/R	Shim (With Slide-In Slots)	
61	4070940	A/R	Shim (With Slide-In Slots)	
62	4060805	6in/16cm	Flex-Trim	
63	1670836	A/R	Cover, Boom (Not Shown)	
64	0681608	4	Bolt 3/8"-16NC x 1" (S/N 56363 to Present)	
65	3340900	1	Pad, Wear (S/N 56363 to Present)	
66	4071005	A/R	Shim (S/N 56363 to Present)	
67	4751600	12	Flatwasher 3/8" (S/N 82632 to Present)	
68	4071007	A/R	Shim (S/N 82632 to Present)	
69	0641614	4	Bolt 3/8"-16NC x 1 3/4" (S/N 82632 to Present)	

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FIGURE 3-3. ROTATOR ASSEMBLY (FRONT ENTRY PLATFORM)

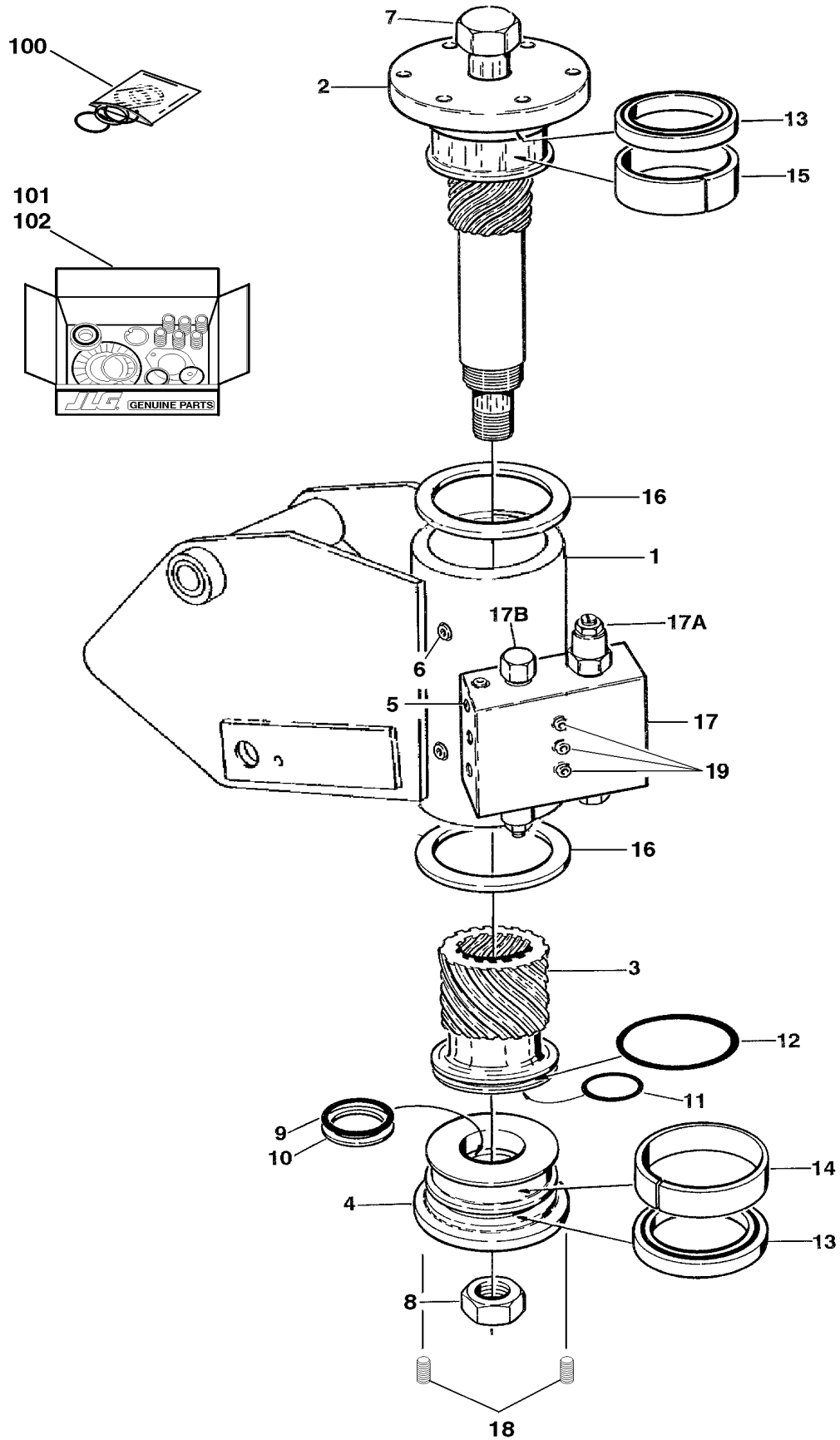


FIGURE 3-3. ROTATOR ASSEMBLY (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0060034	Ref.	ROTATOR ASSEMBLY	G
1	Not Serviced	1	Housing/Ring Gear Assembly	
2	7017177	1	Shaft Weldment (was p/n 7017117)	
3	7017115	1	Piston/Sleeve	
4	7017174	1	Cap, End	
5	Not Serviced	6	Plug, Port	
6	Not Serviced	2	Setscrew	
7	7017102	1	Tie-Rod/Locknut Assy (Prior to S/N 39950)	
	7017119	1	Bolt 1"-8NC x 11" (S/N 39950 to S/N 67538)	
8	3272605	A/R	Locknut 1"-8NC (S/N 39950 to S/N 67538)	
9	Use Item 100	1	Seal, Cap	
10	Use Item 100	1	Ring, Back-up (Cap)	
11	Use Item 100	1	Seal, Rod	
12	Use Item 100	1	Seal, Piston	
13	Use Item 100	2	Packing, Bearing	
14	Use Item 101	1	Bearing, Cap	
15	Use Item 101	1	Bearing, Shaft	
16	Use Item 101	2	Washer, Thrust	
17	Use 7017183	1	Valve Assembly (was p/n 7017101)	
17A		2	Cartridge, Valve Options:	
	7011331		Cartridge for Helac p/n 24736	
	7017193		Cartridge for Helac p/n 27600	
	2900770	2	Seal Kit - 7011331 Valve	
	Not Available	2	Seal Kit - 7017193 Valve	
17B		A/R	Cartridge, Valve Options:	
	7011332	2	Cartridge for Helac p/n 24736	
	Not Available	1	Cartridge for Helac p/n 27600 (Not Shown - Located on Side of Valve Block)	
	7011346	2	Seal Kit - 7011332 Valve	
	Not Available	1	Seal Kit - Valve Located on Side of Block	
18	7017118	2	Setscrew	
19	7017110	3	Bolt	
20	3790110	3	O-Ring (Not Shown - Located between Valve & Actuator Housing)	

100	7017157	1	Seal Kit (Includes Items 9-13)	
101	7017156	1	Bearing Kit (Includes Items 14-16)	
102	7017142	1	Hardware Kit (Includes End Cap screws and Dowel Pins)	

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FIGURE 3-4. ROTATOR ASSEMBLY (SIDE ENTRY PLATFORM)

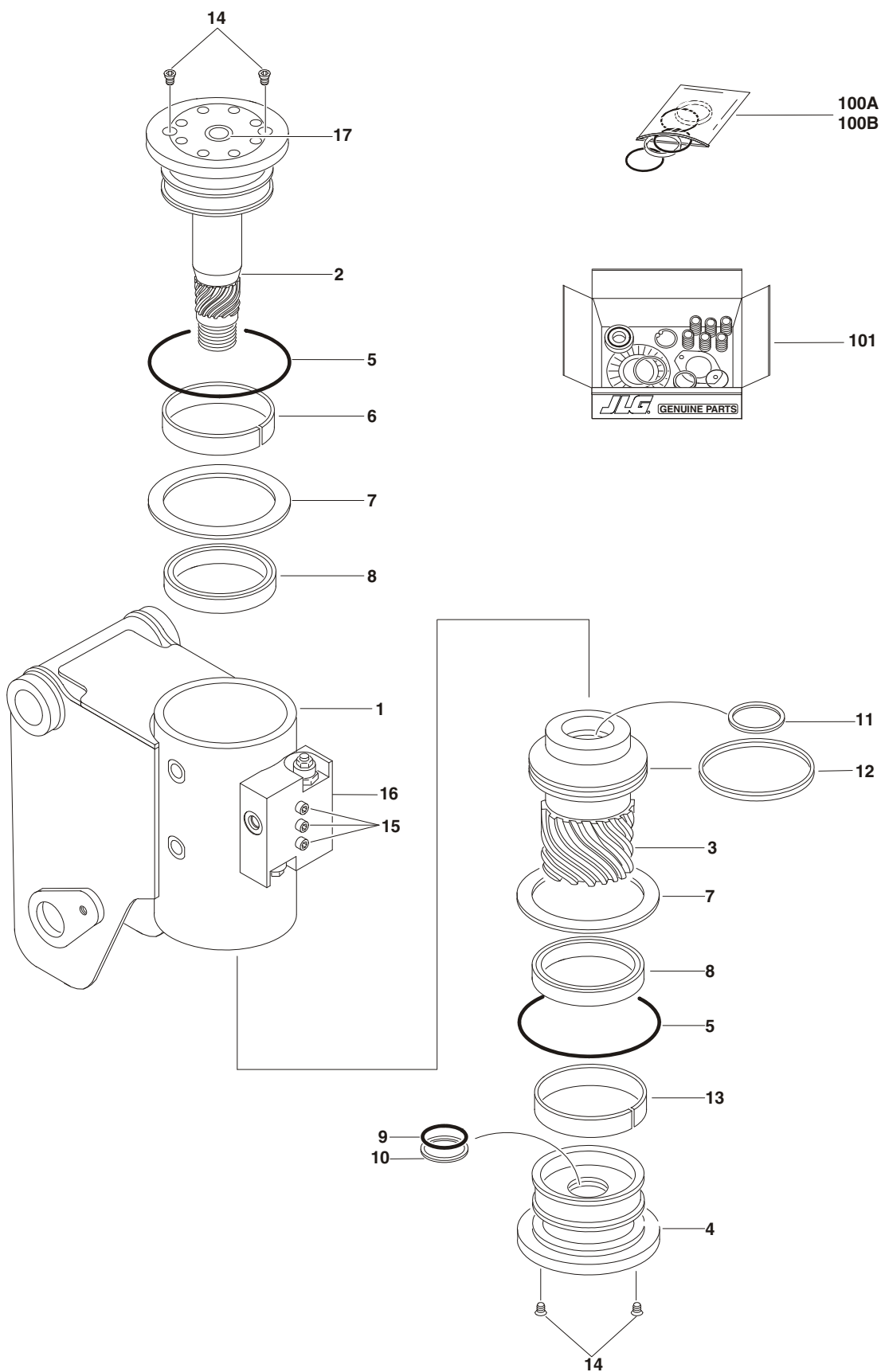


FIGURE 3-4. ROTATOR ASSEMBLY (SIDE ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0060067	Ref.	ROTATOR ASSEMBLY	A
1	Not Serviced	1	Housing/Ring Gear Assembly	
2	7017162	1	Weldment, Shaft	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
5	See Note	2	O-Ring (Note: Use Item 100A or 100B)	
6	Use Item 101	1	Bearing, Shaft	
7	Use Item 101	2	Washer, Thrust	
8	See Note	2	Packing, Bearing (Note: Use Item 100A or 100B)	
9	See Note	1	Seal, Cap (Note: Use Item 100A or 100B)	
10	See Note	1	Ring, Back-Up Cap (Note: Use Item 100A or 100B)	
11	See Note	1	Seal, Rod (Note: Use Item 100A or 100B)	
12	See Note	1	Seal, Piston (Note: Use Item 100A or 100B)	
13	Use Item 101	1	Bearing, Cap	
14	70001697	6	Capscrew 1/4"-20NCx 3/8"	
15	Not Available	3	Bolts	
16	7017183	1	Valve Assembly	
	7017193	2	Cartridge, Valve	
	Not Available	2	Seal Kit - 7017193 Valve	
	Not Available	1	Cartridge, Valve (Not Shown - Located on Side of Block)	
	Not Available	1	Seal Kit - Valve Located on Side of Block	
17	7017195	1	Bushing, Shaft	

100		1	Seal Kit Options (Includes Items 5 & 8 -12):	
100A	7017158		Kit for Machine without Arctic Package	
100B	70000342		Kit for Machine with Arctic Package	
101	7017159	1	Bearing Kit (Includes Items 6, 7 & 13)	

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FIGURE 3-5. POWER TRACK INSTALLATION - MODEL 601S

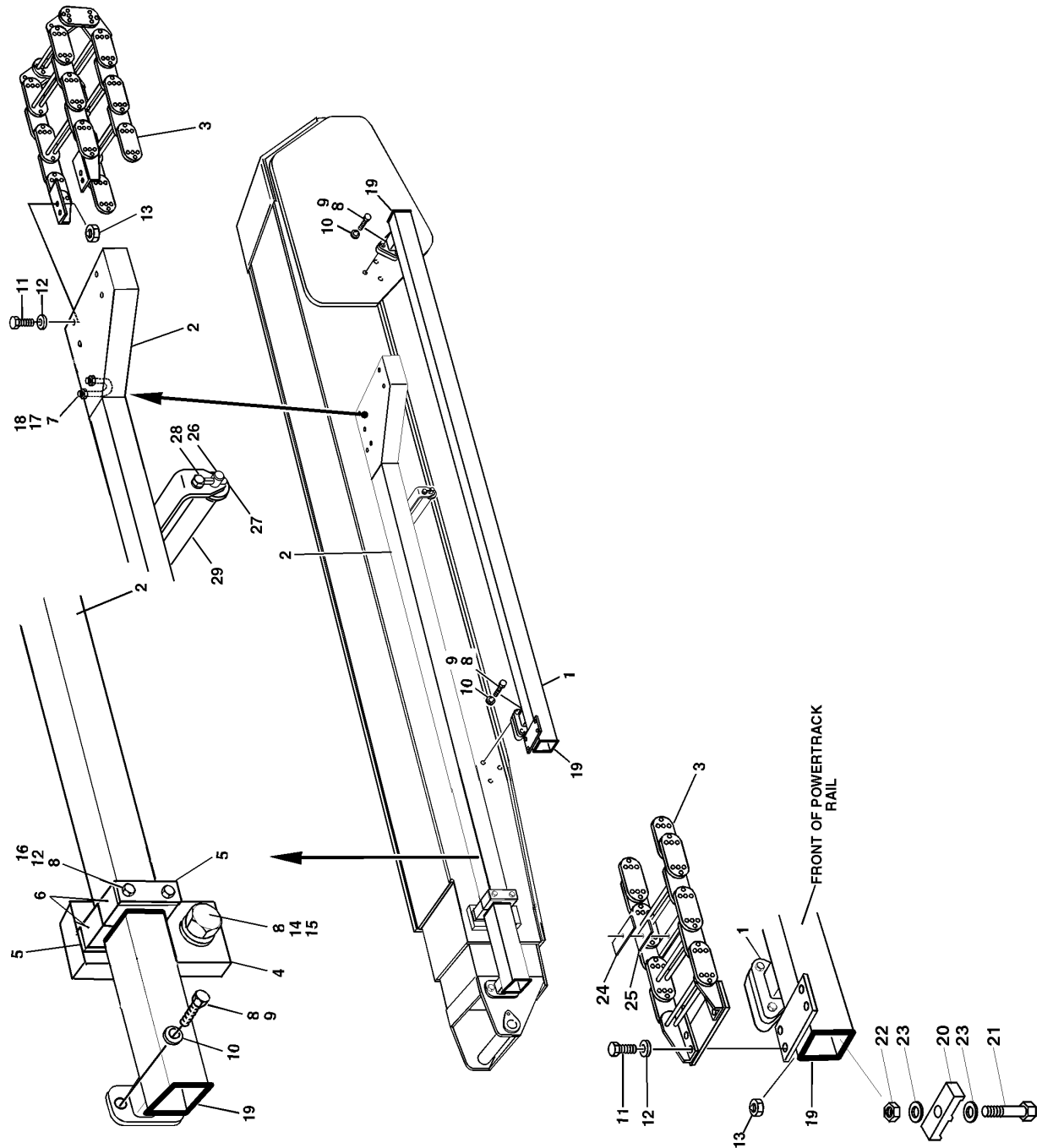


FIGURE 3-5. POWER TRACK INSTALLATION - MODEL 601S

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0257988	Ref.	POWER TRACK INSTALLATION (PRIOR TO S/N 62137)	6
	0270804	Ref.	POWER TRACK INSTALLATION (ADE SYSTEM) (S/N 62137 TO PRESENT)	5
1		1	Weldment, Rail Options:	
	4845670		Prior to S/N 38122	
	4845819		S/N 38122 to Present	
2	4845671	1	Weldment, Tube	
3	Use 1001099832		Carrier (was p/n 1180345)	
	7006138	1	Assembly, Pin (Gemco Brand)	
	7006143	1	Feet, Mounting (Gemco Brand)	
	7006158	1	Screws (Gemco Brand)	
	7006165	1	Kit, Rod (Gemco Brand)	
	7016527	1	Rod, Spring Loaded Retaining (Gemco Brand)	
	7016530	1	Repair Section (8") (Gemco Brand)	
	7016531	1	Assembly, Clamping Carrier (Gemco Brand)	
	7016532	1	Ring, Retaining (Gemco Brand)	
	70002005	1	Power Track - Repair Kit Fits 1 Section (Gortrac Brand)	
	70002006	1	Power Track - Brackets, Pair of Mounting Feet (Gortrac Brand)	
4	4845677	1	Weldment, Bracket (Prior to S/N 74471)	
5	3538758	A/R	Plate	
6	3340764	2	Pad, Wear	
7	0630458	1	U-Bolt	
8	0100011	A/R	Loctite #242	
9	0641807	11	Bolt 1/2"-13NC x 7/8"	
10	4711800	11	Flatwasher 1/2" (Narrow)	
11	0641608	8	Bolt 3/8"-16NC x 1"	
12	4711600	18	Flatwasher 3/8" (Narrow)	
13	3311605	8	Locknut 3/8"-16NC	
14	0642612	1	Bolt 1"-8NC x 1 1/2" (Prior to S/N 74471)	
15	4712600	1	Flatwasher 1" (Narrow) (Prior to S/N 74471)	
16	0641644	2	Bolt 3/8"-16NC x 5 1/2"	
17	4711400	2	Flatwasher 1/4" (Narrow)	
18	3311405	2	Locknut 1/4"-20NC	
19	4060803	3ft/0.9m	Shield, Trim	
20	1320247	1	Clamp, Nylon (S/N 41861 to Present)	
21	0641522	1	Bolt 5/16"-18NC x 2 3/4" (S/N 41861 to Present)	
22	3311505	1	Locknut 5/16"-18NC (S/N 41861 to Present)	
23	4711500	2	Flatwasher 5/16" (Narrow) (S/N 41861 to Present)	
24	4070994	2	Shim (S/N 46466 to Present)	
25	4070995	2	Shim (S/N 46466 to Present)	
26	3841013	1	Roller, Rod (S/N 59150 to Present)	
27	3450806	1	Pin, Cotter (S/N 59150 to Present)	
28	0641404	1	Bolt 1/4"-20NC x 1/2" (S/N 59150 to Present)	
29	3860050	1	Roller (S/N 59150 to Present)	

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FIGURE 3-6. POWER TRACK INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE"

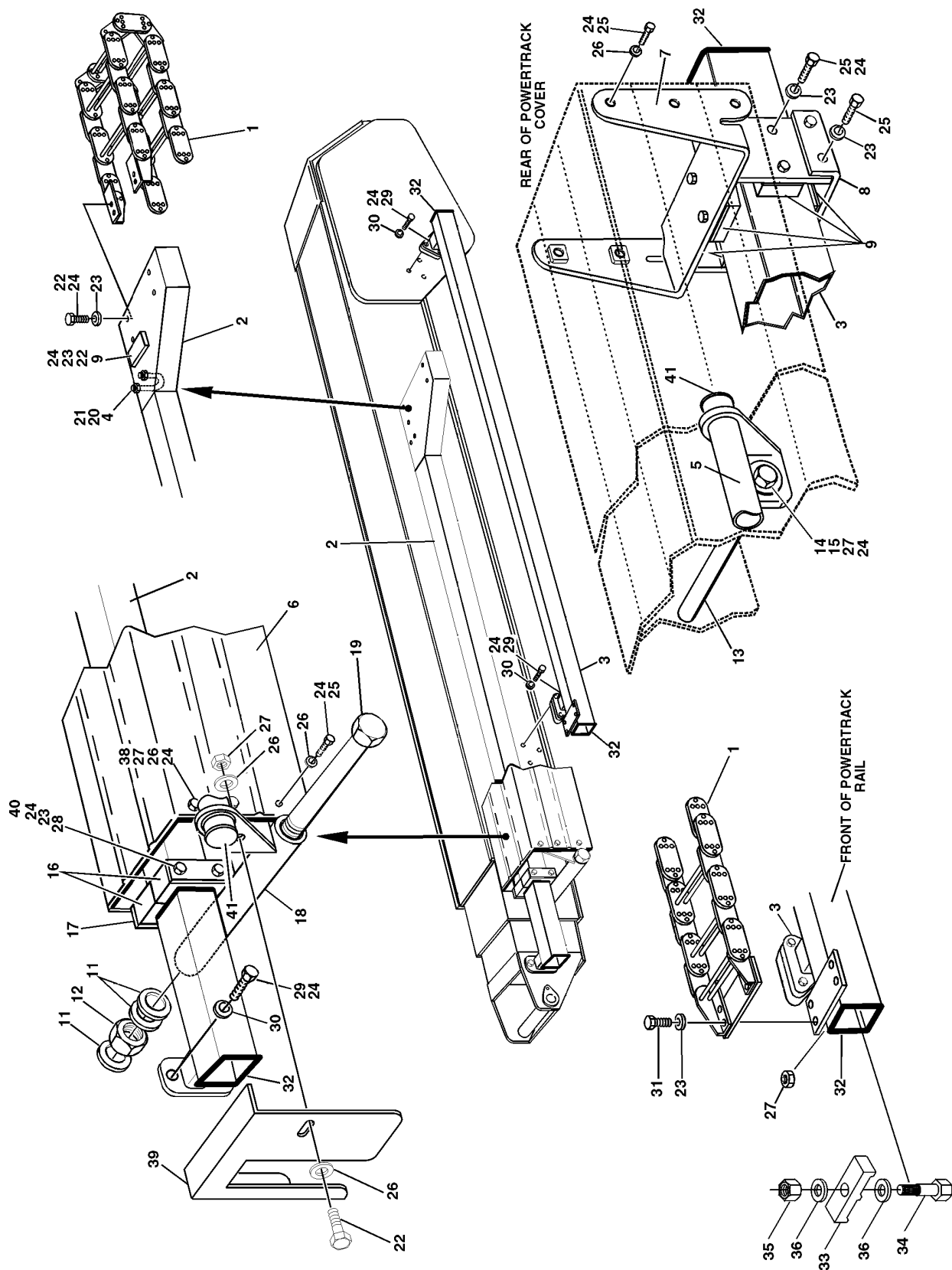


FIGURE 3-6. POWER TRACK INSTALLATION - MODEL 601S WITH A “ENHANCED HOSTILE ENVIRONMENT PACKAGE”

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0259050	Ref.	POWER TRACK INSTALLATION (PRIOR TO S/N 62137)	4
	0270803	Ref.	POWER TRACK INSTALLATION (ADE SYSTEM) (S/N 62137 TO PRESENT)	2
1	1180340	1	Carrier	
	7019300	83	Link, Replacement	
	7019301	1	Bracket, End (Sold in Pairs)	
	7019303	1	Separator	
2	4844968	1	Weldment, Tube	
3	4844963	1	Weldment, Rail	
4	0630458	1	U-Bolt	
5	4845954	1	Weldment, Power Track Guard	
6	1670749	1	Cover	
7	4844966	1	Weldment, Slide Block	
8	3538749	1	Plate	
9	3340763	5	Pad, Wear	
10	Not Used			
11	4712600	3	Flatwasher 1" (Narrow)	
12	3312602	1	Jam Nut 1"	
13	3841264	5	Rod	
14	0641676	3	Bolt 3/8"-16NC x 9 1/2"	
15	4740076	10	Washer (Fender)	
16	3340855	2	Pad, Wear	
17	3538758	2	Plate	
18	4844967	1	Weldment, Support	
19	0630493	1	Bolt 1"-8NC x 12"	
20	3311405	2	Locknut 1/4-20NC	
21	4711400	2	Flatwasher 1/4" (Narrow)	
22	0641605	7	Bolt 3/8"-16NC x 5/8"	
23	4711600	24	Flatwasher 3/8" (Narrow)	
24	0100011	A/R	Loctite #242	
25	0641606	16	Bolt 3/8"-16NC x 3/4"	
26	4751600	14	Flatwasher 3/8" (Wide)	
27	3311605	12	Locknut 3/8"-16NC	
28	0641644	2	Bolt 3/8"-16NC x 5 1/2"	
29	0641807	8	Bolt 1/2"-13NC x 7/8"	
30	4711800	8	Flatwasher 1/2" (Narrow)	
31	0641608	4	Bolt 3/8"-16NC x 1"	
32	4060803	4ft/1.2m	Shield, Trim	
33	1320247	1	Clamp, Nylon	
34	0641522	1	Bolt 5/16"-18NC x 2 3/4"	
35	3311505	1	Locknut 5/16"-18NC	
36	4711500	2	Flatwasher 5/16" (Narrow)	
37	0641680	2	Bolt 3/8"-16NC x 10"	
38	0641610	2	Bolt 3/8"-16NC x 1 1/4"	
39	3571333	1	Plate, Power Track Cover End	
40	3311602	2	Jam Nut 3/8"-16NC	
41	3520082	2	Plug 1 3/4"	

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FIGURE 3-7. BOOM WIPERS INSTALLATIONS

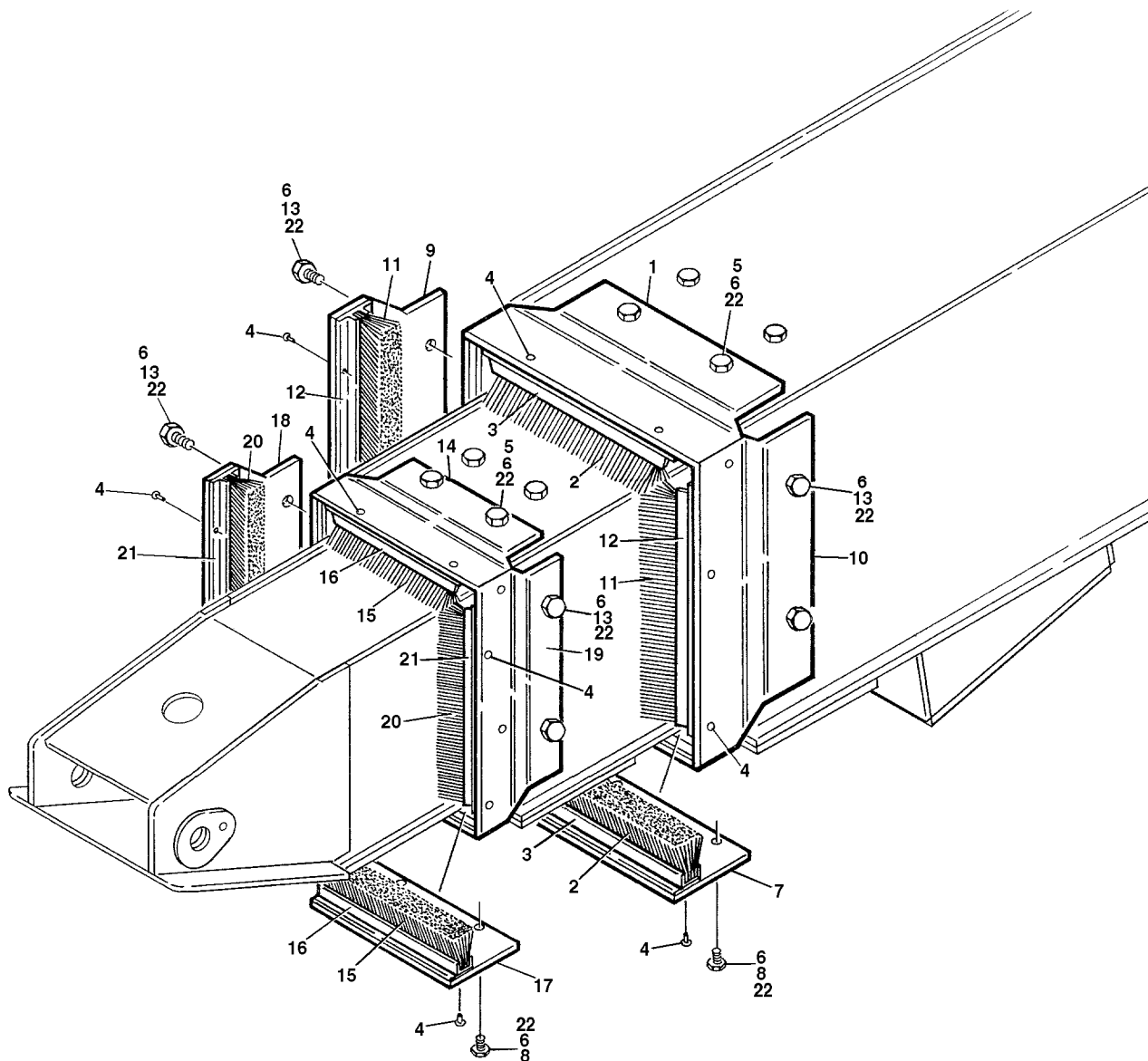


FIGURE 3-7. BOOM WIPERS INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0256273	Ref.	BOOM WIPERS INSTALLATIONS (OPTIONAL - MODEL 601S)	3
1	3200382	1	Mount, Wiper (Base Top)	
2	0540102	2	Brush, Wiper (Base Top & Bottom)	
3	2660108	2	Holder, Brush (Base Top & Bottom)	
4	3820001	32	Rivet	
5	0641608	4	Bolt 3/8"-16NC x 1"	
6	0100011	A/R	Loctite #242	
7	3200383	1	Mount, Wiper (Base Bottom)	
8	0641611	4	Bolt 3/8"-16NC x 1 3/8"	
9		1	Mount, Wiper (Base Left Side) Options:	
	3200384		Prior to S/N 71583	
	3200427		S/N 71583 to Present	
10		1	Mount, Wiper (Base Right Side) Options:	
	3200385		Prior to S/N 71583	
	3200426		S/N 71583 to Present	
11	0540105	2	Brush, Wiper (Base Sides)	
12	2660106	2	Holder, Brush (Base Sides)	
13	0641606	8	Bolt 3/8"-16NC x 3/4"	
14	3200389	1	Mount, Wiper (Mid Top)	
15	0540083	2	Brush, Wiper (Mid Top & Bottom)	
16	2660082	2	Holder, Brush (Mid Top & Bottom)	
17	3200390	1	Mount, Wiper (Mid Bottom)	
18	3200391	1	Mount, Wiper (Mid Left Side)	
19	3200392	1	Mount, Wiper (Mid Right Side)	
20		2	Brush, Wiper (Mid Sides) Options:	
	0540103		Prior to S/N 71583	
	0540112		S/N 71583 to Present	
21	2660107	2	Holder, Brush (Mid Sides)	
22	4751600	16	Flatwasher 3/8"	

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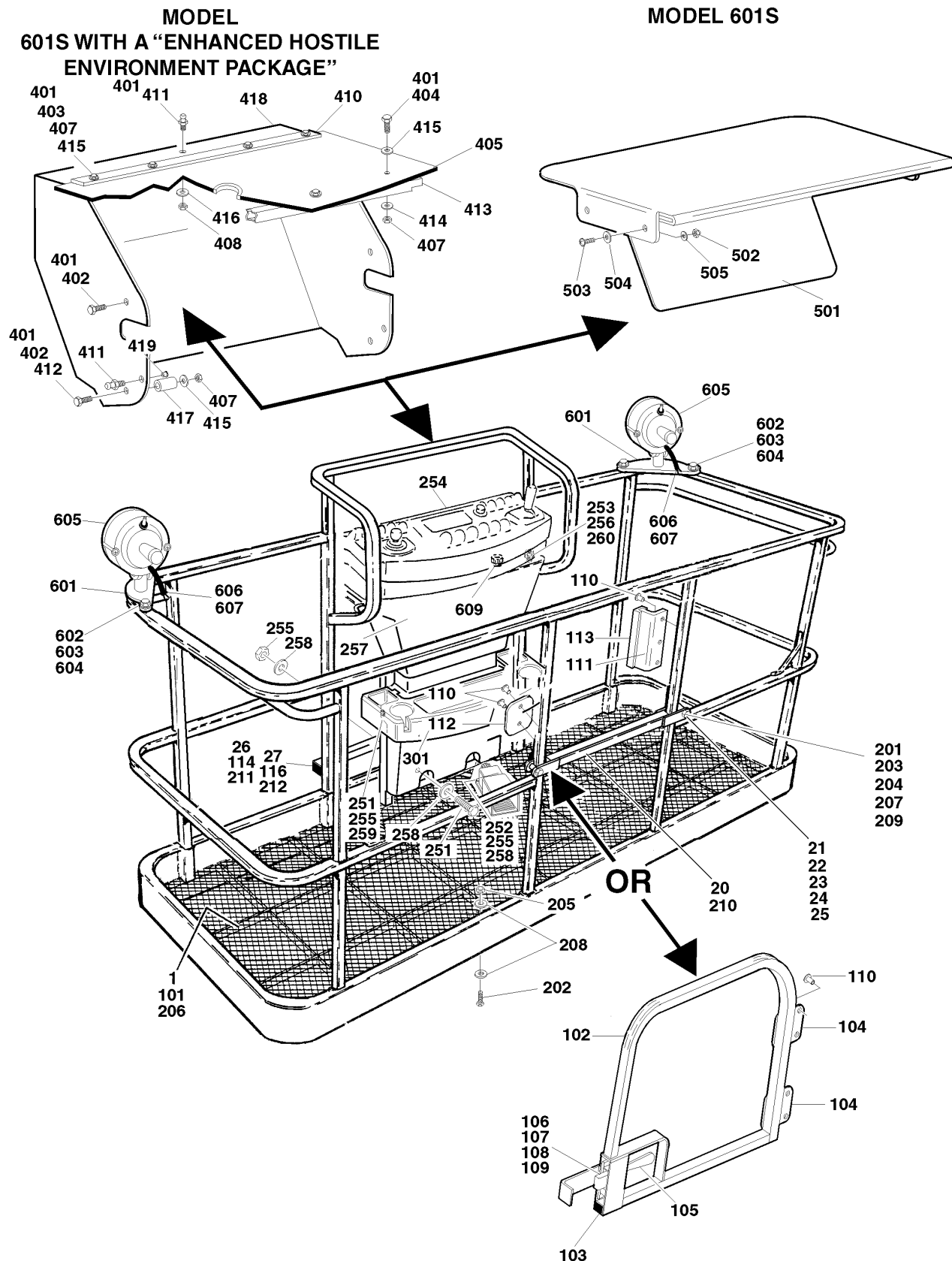
FIGURE 3-7. BOOM WIPERS INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (FRONT ENTRY PLATFORM)



SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	PLATFORM ASSEMBLIES WITH LIFT GATE OPTIONS:	
	3510655	Ref.	30" X 72" with Lift Gate	B
	3510641	Ref.	30" X 96" with Lift Gate	B
1		1	Platform Weldment Options:	
	3510654		30" x 72" Platform	
	3510622		30" x 96" Platform	
2 to 19	Not Used			
20	4845288	1	Gate, Lift	
21	0641418	2	Bolt 1/4"-20NC x 2 1/4"	
22	4740411	4	Washer, Nylon	
23	3300151	2	Nut 1/4"-20NC	
24	0961845	2	Bushing	
25	4420055	7in/17.8cm	Tape, UHMW	
26	0100010	A/R	Adhesive	
27	3520172	2	Plug	
		Ref.	PLATFORM ASSEMBLY WITH SWING GATE	
	3510744	Ref.	30" X 72" with Swing Gate (Mesh Top)	D
	3510675	Ref.	30" X 96" with Swing Gate	1
	3510747	Ref.	30" X 96" with Swing Gate (Mesh Top)	D
101		1	Platform Weldment Options:	
	3510743		30" x 72" with Swing Gate (Mesh Top)	
	3510674		30" x 96" with Swing Gate	
	3510746		30" x 96" with Swing Gate (Mesh Top)	
102		1	Weldment, Gate Options:	
	4845824		30" x 72" with Swing Gate (Mesh Top) (Not Shown)	
	4845327		30" x 96" with Swing Gate	
	4845824		30" x 96" with Swing Gate (Mesh Top) (Not Shown)	
103	3520072	3	Cap	
104	2600216	2	Hinge	
105	2940074	1	Latch	
106	3911008	4	Screw #10-24NC x 1/2"	
107	4751000	4	Flatwasher #10	
108	3311001	4	Nut #10-24NC	
109	4761000	4	Lockwasher #10	
110	2080040	13	Huck Fastener	
111	4220165	1	Stop, Gate	
112	3539685	1	Plate, Catch	
113	4060803	.6ft/0.18m	Trimlock	
114	0100010	A/R	Adhesive	
115	0100074	A/R	Silicone (Not Shown)	
116	3520172	2	Plug (Not Shown - Located at top of rails on both sides of Item 102 Gate. Use Item #115 to install.)	

SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	PLATFORM ASSEMBLY WITH DROP BAR	
	3510706	Ref.	30" X 60" with Drop Bar	B
201	0641418	2	Bolt 1/4"-20NC x 2 1/4"	
202	0641610	6	Bolt 3/8"16NC x 1 1/4"	
203	0961845	2	Bushing	
204	3300151	2	Nut, Acorn 1/4"-20NC	
205	3311605	6	Locknut 3/8"16NC	
206	3510705	1	Platform Weldment 30" x 60"	
207	4420055	4	Tape, UHMW	
208	4711600	12	Flatwasher 3/8" (Narrow)	
209	4740411	4	Washer, Nylon	
210	4845288	1	Weldment, Slide Bar	
211	0100010	A/R	Adhesive	
212	3520172	2	Plug (Not Shown - Located at top of rails on both sides of Item 102 Gate. Use Item #115 to install.)	
	0272052	Ref.	CONSOLE BOX INSTALLATION (S/N 67978 TO PRESENT)	A
251	0641406	4	Bolt 1/4"-20NC x 3/4"	
252	0641408	3	Bolt 1/4"-20NC x 1"	
253	0641610	4	Bolt 3/8"16NC x 1 1/4"	
254	0861526	1	Console Box Assembly	
255	3311405	7	Locknut 1/4"-20NC	
256	3311605	4	Locknut 3/8"-16NC	
257	3380434	1	Panel, Decal Mount	
258	4740362	7	Washer, Fender 1/4"	
259	4751400	4	Flatwasher 1/4" (Wide)	
260	4751600	8	Flatwasher 3/8" (Wide)	
		Ref.	TRAY INSTALLATIONS (OPTIONAL)	
301	1580012	1	Tray, Storage (Center)	
302	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	
	0258981	Ref.	CONSOLE COVER INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (PRIOR TO S/N 65218)	C
	0271675	Ref.	CONSOLE COVER INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (OPTIONAL MODEL 601S) (S/N 65218 TO PRESENT)	3
401	0100011	A/R	Loctite #242	
402	0641404	A/R	Bolt 1/4"-20NC x 1/2"	
403	0641406	A/R	Bolt 1/4"-20NC x 3/4"	
404	0641412	4	Bolt 1/4"-20NC x 1 1/2"	
405	1670894	1	Cover, Rubber	
406	2080043	A/R	Rivnut 1/4"-20NC x 5/8" (Not Shown)	
407	3311405	A/R	Locknut 1/4"-20NC	
408	3311505	1	Locknut 5/16"-18NC	

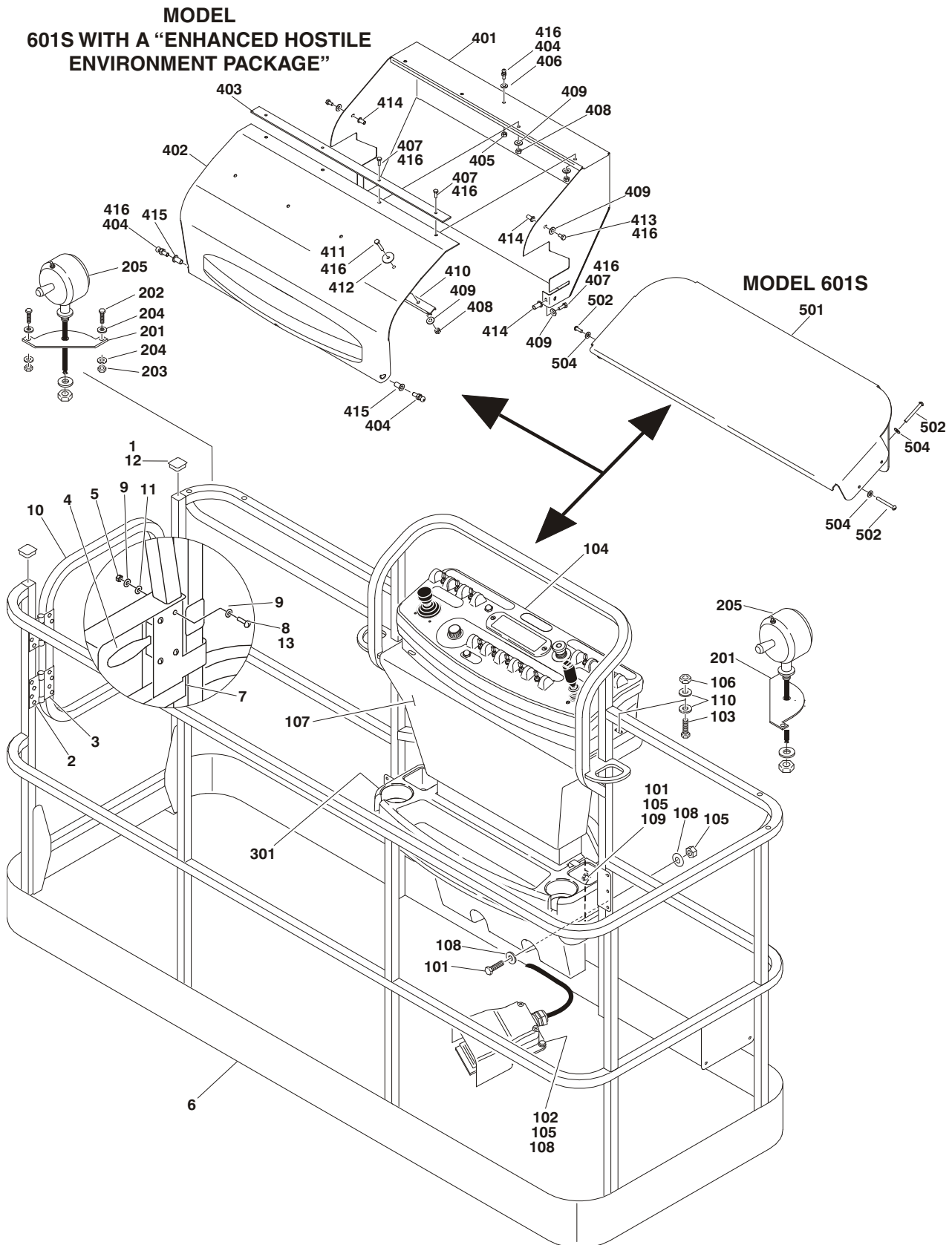
SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
409	Not Used			
410	3571411	1	Plate	
411	4300137	3	Stud, Threaded Ball	
412	0641416	2	Bolt 1/4"-20NC x 2" (S/N 65218 to S/N 65218)	
413	4567850	1	Tube, Support	
414	4740362	4	Washer, Fender	
415	4751400	A/R	Flatwasher 1/4" (Wide)	
416	4751500	1	Flatwasher 5/16" (Wide)	
417	4568357	2	Spacer, Tube (S/N 65218 to S/N 70776)	
418		1	Weldment, Console Cover Options:	
	4845950		Prior to S/N 65218	
	4846506		S/N 65218 to Present	
419	2080050	2	Rivnut 5/16"-18NC x 3/4"	
	0258703	Ref.	CONSOLE COVER INSTALLATION - MODEL 601S (OPTIONAL)	B
501	1670870	1	Cover, Console	
502		7	Hardware Options:	
	3311001		Nut #10-24NC (Prior to S/N 43864)	
	0751006		Screw, Pan Head Thread Forming (S/N 43864 to Present)	
503	3911028	7	Screw #10-24NC x 3/4" (Prior to S/N 43864)	
504	4751000	7	Flatwasher #10 (Wide)	
505	4761000	7	Lockwasher #10 (Prior to S/N 43864)	
		Ref.	PLATFORM WORKLIGHTS INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (OPTIONAL)	
	0259303	Ref.	Prior to S/N 62137	1
	0270814	Ref.	S/N 62137 to Present (ADE System)	3/E
601	3536089	2	Plate, Mounting	
602	0641414	4	Bolt 1/4"-20NC x 1 3/4"	
603	3311405	4	Locknut 1/4"-20NC	
604	4711400	8	Flatwasher 1/4"	
605	2920140	2	Worklight	
	7016399	2	Bulb, Replacement (1 Per Worklight)	
606	4240099	10	Tie-Strap	
607	2820035	9ft/2.8m	Loom, Vinyl	
608	4460042	2	End, Terminal (Not Shown)	
609	4460598	1	Connector, Strain Relief	

SECTION 4 PLATFORM

FIGURE 4-2. PLATFORM COMPONENTS INSTALLATION - SIDE ENTRY PLATFORM



SECTION 4 PLATFORM

FIGURE 4-2. PLATFORM COMPONENTS INSTALLATION - SIDE ENTRY PLATFORM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	PLATFORM ASSEMBLIES:	
	3510822	Ref.	3ft x 8ft (0.9m x 2.44m) with No Mesh	E
	3510833	Ref.	3ft x 6ft (0.9m x 1.83m) with No Mesh	E
	3510832	Ref.	2.5ft x 6ft (0.8m x 1.83m) with No Mesh	E
	3510831	Ref.	2.5ft x 5ft (0.8m x 1.52m) with No Mesh	E
	3510830	Ref.	2.5ft x 4ft (0.8m x 1.22m) with No Mesh	E
		Ref.	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See Section 10 for Mesh Installations.	
1	0100040	A/R	Sealant, Adhesive (Prior to S/N 73445)	
2	2080040	16	Fastener, Huck	
3	2600281	2	Hinge, Self-Closing	
4	2940074	1	Latch	
5	3311001	4	Nut #10-24NC (Prior to S/N 77333)	
6	Not Available	1	Platform Weldment (Purchase Platform Assembly)	
7	3520072	1	Cap-Plug	
8		4	Hardware Options:	
	3911008		Screw #10-24NC x 1" (Prior to S/N 76408)	
	3800205		Screw #10-24NC x5/8" (S/N 76408 to S/N 77333)	
	3820020		Rivet, Pop (S/N 77333 to Present)	
9	4751000	4	Flatwasher #10 (Prior to S/N 77333)	
10	4846452	1	Gate Weldment	
11	4761000	4	Lockwasher #10 (S/N 68809 to S/N 77333)	
12	3520198	2	Square-Plug (S/N 73445 to Present)	
13	0100011	A/R	Loctite #242 (Prior to S/N 77333)	
	0272052	Ref.	CONSOLE BOX INSTALLATION (S/N 67978 TO PRESENT)	A
101	0641406	4	Bolt 1/4"-20NC x 3/4"	
102	0641408	3	Bolt 1/4"-20NC x 1"	
103	0641610	4	Bolt 3/8"16NC x 1 1/4"	
104	0861526	1	Console Box Assembly	
105	3311405	7	Locknut 1/4"-20NC	
106	3311605	4	Locknut 3/8"-16NC	
107	3380434	1	Panel, Decal Mount	
108	4740362	7	Washer, Fender 1/4"	
109	4751400	4	Flatwasher 1/4" (Wide)	
110	4751600	8	Flatwasher 3/8" (Wide)	
	0270814	Ref.	WORKLIGHTS INSTALLATIONS (OPTIONAL)	3/E
201	3536089	2	Plate, Mounting	
202	0641414	4	Bolt 1/4"-20NC x 1 3/4"	
203	3311405	4	Locknut 1/4"-20NC	
204	4711400	8	Flatwasher 1/4" Narrow	
205	2920140	2	Worklight	
	7016399	2	Bulb, Replacement (1 Per Worklight)	
206	4240099	10	Tie-Strap (Not Shown)	

SECTION 4 PLATFORM

**FIGURE 4-2. PLATFORM COMPONENTS INSTALLATION - SIDE ENTRY PLATFORM
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
207	2820035	9	Loom, Vinyl (Not Shown)	
208	Not Used			
209	4460598	1	Connector, Strain Relief (Not Shown - Located at Console Box)	
		Ref.	TRAY INSTALLATIONS (OPTIONAL)	
301	1580012	1	Tray, Storage (Center)	
302	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	
	0271675	Ref.	CONSOLE COVER INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE" (OPTIONAL MODEL 601S)	C
401	4846506	1	Weldment, Console Cover	
402	1670894	1	Cover, Rubber	
403	3571411	1	Plate	
404	4300137	3	Stud, Threaded Ball	
405	3311505	1	Locknut 5/16"-18NC	
406	4751500	1	Flatwasher 5/16" (Wide)	
407	0641406	6	Bolt 1/4"-20NC x 3/4"	
408	3311405	6	Locknut 1/4"-20NC	
409	4751400	12	Flatwasher 1/4" (Wide)	
410	4567850	1	Tube, Support	
411	0641412	4	Bolt 1/4"-20NC x 1 1/2"	
412	4740362	4	Washer, Fender	
413	0641404	2	Bolt 1/4"-20NC x 1/2"	
414	2080043	4	Rivnut 1/4"-20NC x 5/8"	
415	2080050	2	Rivnut 5/16"-18NC x 3/4"	
416	0100011	A/R	Loctite #242	
	0258703	Ref.	CONSOLE COVER INSTALLATION - MODEL 601S (OPTIONAL)	B
501	1670870	1	Cover, Console	
502	0751006	7	Screw, Pan Head Thread Forming	
503	Not Used			
504	4751000	7	Flatwasher #10 (Wide)	

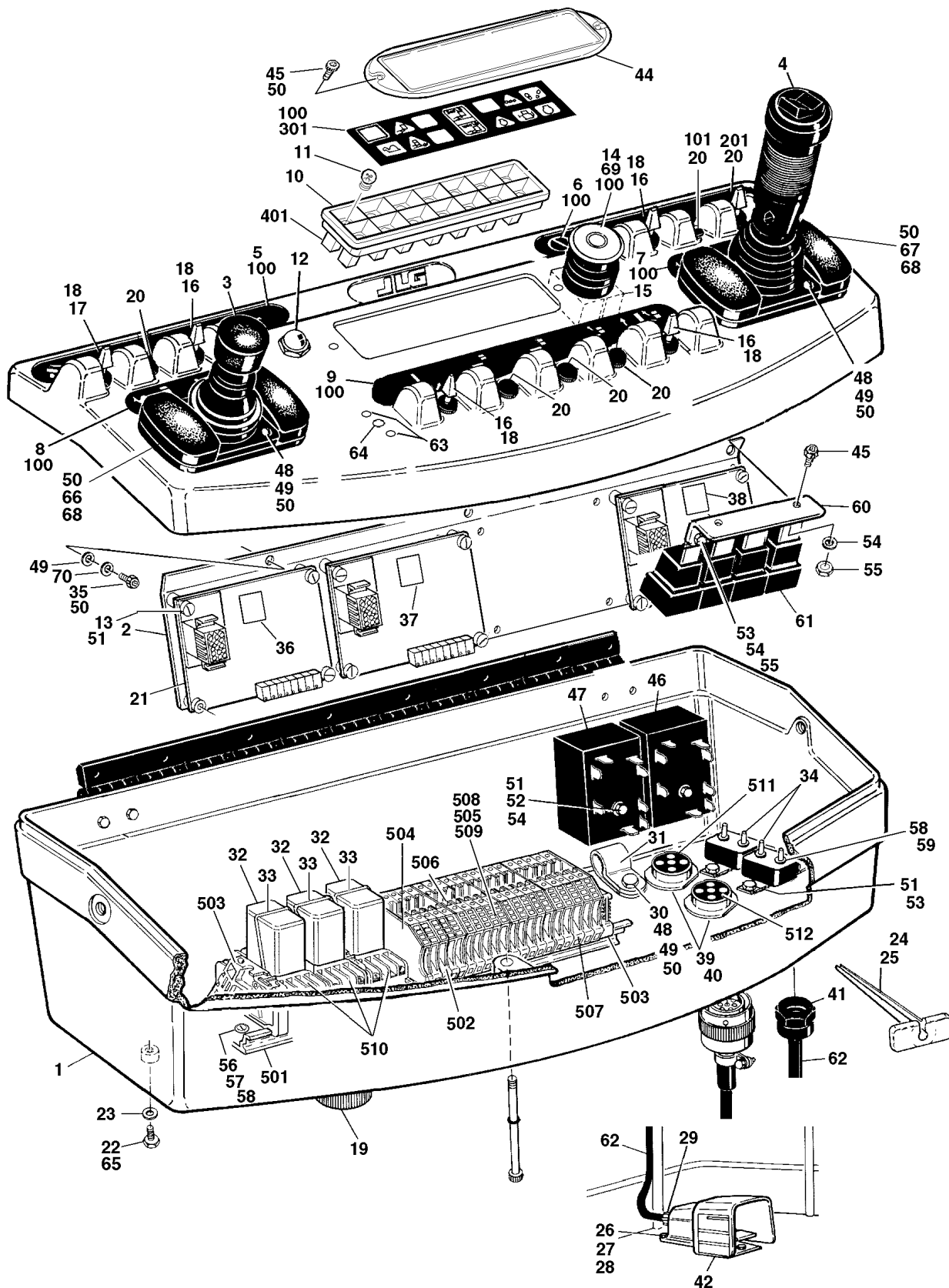
SECTION 4 PLATFORM

**FIGURE 4-2. PLATFORM COMPONENTS INSTALLATION - SIDE ENTRY PLATFORM
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLIES (PRIOR TO S/N 62137)



SECTION 4 PLATFORM

FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLIES (PRIOR TO S/N 62137)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	CONSOLE BOX & FOOTSWITCH ASSEMBLIES	
	0861178	Ref.	MODEL 601S	8
	0861264	Ref.	MODEL 601S With A "Enhanced Hostile Environment Package"	4
1		1	Box, Console Options:	
	0861195		Box, Console - Model 601S	
	0860984		Box, Console - Model 601S With A "Enhanced Hostile Environment Package"	
2	3538819	1	Plate, Mounting	
3		1	Controller Assembly (Lift & Swing) Options:	
	1600242		Controller Assembly (See Figure 4-5 for Breakdown) (Prior to S/N 39653)	
	1600284		Controller Assembly (See Figure 4-6 for Breakdown) (S/N 39653 to S/N 62137)	
4		1	Controller Assembly (Drive & Steer) Options:	
	1600239		Controller Assembly (See Figure 4-8 for Breakdown) (Prior to S/N 39653)	
	1600283		Controller Assembly (See Figure 4-9 for Breakdown) (S/N 39653 to S/N 62137)	
5	1703776	1	Decal (Horn/Drive Speed/Level)	
6	1702564	1	Decal (Stop)	
7	1702565	1	Decal (Drive and Steer)	
8	1702566	1	Decal (Lift and Swing)	
9	1703680	1	Decal (Function Speed)	
10	2760105	1	Housing, Display Light	
11	2920129	7	Bulb, Light	
12	4360387	1	Switch, Pushbutton	
13	3910610	12	Screw #6-32NC x 5/8"	
14		1	Switch, Emergency Stop Options:	
	4360289		Prior to S/N 44643	
	4360475		S/N 44643 to S/N 62137	
		1	Cap Options:	
	7012611		Cap, Mushroom Head (Used on Switch p/n 4360289)	
	7012612	1	Boot (Used on Switch p/n 4360289)	
	7020175		Cap, Red (Used on Switch p/n 4360475)	
	7020176		Contact Block (Used on Switch p/n 4360475)	
15		1	Block, Contact Options:	
	4360282		Prior to S/N 44643	
	4360476		S/N 44643 to S/N 62137	
16	4360314	4	Switch, Toggle	
17	4360331	1	Switch, Toggle	
18	3790012	5	O-Ring	
19	0140026	1	Alarm	
20	3520028	6	Plug, Hole	
21	1600218	3	Card, Control	
	7016346	3	Fuse - 5 Amp (1 Per Card)	

SECTION 4 PLATFORM

FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLIES (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
22		4	Bolt Options:	
	0641606		Bolt 3/8"-16NC x 3/4" (Prior to S/N 36370)	
	0641608		Bolt 3/8"-16NC x 1" (S/N 36370 to S/N39777)	
	0641610		Bolt 3/8"-16NC x 1 1/4" (S/N 39777 to S/N 62137)	
23	4751600	A/R	Flatwasher 3/8"	
24	4460467	1	Tool, Pin Extraction (Blue 16-18 Gauge) (Not Shown)	
25	4460510	1	Tool, Pin Extraction (Yellow 12-14 Gauge) (Not Shown)	
26	0641408	3	Bolt 1/4"-20NC x 1"	
27	3311405	3	Locknut 1/4"-20NC	
28	4740362	3	Washer 1/4" (Fender)	
29	4460071	1	Connector, Strain Relief	
30	3311401	1	Nut 1/4"-20NC	
31	1320060	1	Clamp	
32	3740058	3	Relay - 4PDT	
33	3740063	3	Spring, Relay	
34	4360232	2	Breaker, Circuit - 15 Amp	
35		3	Hardware Options:	
	3931412		Capscrew, Socket Head 1/4"-20NC x 3/4" (Prior to S/N 39653)	
	0641406		Bolt 1/4"-20NC x 3/4" (S/N 39653 to S/N 62137)	
36	1703090	1	Decal - Control Card (Lift)	
37	1703091	1	Decal - Control Card (Swing)	
38	1703093	1	Decal - Control Card (Drive)	
39	4460470	2	Nut, Conduit	
40	4460471	2	Washer	
41	4460428	2	Connector, Strain Relief	
42	4360031	1	Footswitch	
	7000625	2	Block, Contact	
43	Not Used			
44	1670829	1	Bezel	
45	0630464	A/R	Screw, Button Head #10-24NC x 1/2"	
46	3740113	1	Relay, Time Delay	
47	3740115	1	Relay, Time Delay	
48	0641406	A/R	Bolt 1/4"-20NC x 3/4"	
49	4751400	A/R	Flatwasher 1/4"	
50	0100011	A/R	Loctite #242	
51	0100035	A/R	Loctite #222	
52	0721010	2	Screw, Machine #10-24NC x 1 1/4"	
53	0721003	A/R	Screw, Machine #10-24NC x 3/8"	
54	4751000	A/R	Flatwasher #10	
55	3311005	A/R	Locknut #10-24NC	
56	0721004	2	Screw, Machine #10-32NC x 1/2"	
57	4711000	2	Flatwasher #10 (Narrow)	
58	4761000	6	Lockwasher #10	
59	3311001	4	Nut #10-24NC	
60		1	Plate, Relay Mount Options:	
	3539275		Plate - Model 601S (Prior to S/N 41289)	
	3571222		Plate - Model 601S (S/N 41289 to S/N 62137)	
	3539275		Plate - Model 601S With A "Enhanced Hostile Environment Package"	

SECTION 4 PLATFORM

FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLIES (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
61	3740049	A/R	Relay	
62	1060515	7ft/2.1m	Cable, 12/4	
63	3520168	2	Plug 3/16"	
64		1	Plug Options:	
	3520034		Plug 5/16" (Prior to S/N 36370)	
	3530027		Plug 11/16" (S/N 36370 to S/N 62137)	
	3530027		Plug 11/16" (Prior to S/N 42670) (601S Only)	
	3530029		Plug 3/4" (S/N 42670 to S/N 62137) (601S Only)	
65	3311605	4	Locknut 3/8" (S/N 39777 to S/N 62137)	
66	4340678	1	Support, Hand (Model 601S With A "Enhanced Hostile Environment Package" Machines Only)	
67	4340684	1	Support, Hand (Model 601S With A "Enhanced Hostile Environment Package" Machines Only)	
68	0641404	8	Bolt 1/4"-20NC x 1/2" (Model 601S With A "Enhanced Hostile Environment Package" Machines Only)	
69	1704260	1	Decal - EMS (S/N 44643 to S/N 62137)	
70	4761400	1	Lockwasher 1/4" (S/N 42945 to S/N 62137) (601S Only)	

100	2910870	1	Decal Kit (Includes Items 5, 6, 7, 8, 9, 69 & 301)	
	0258432	Ref.	DUAL FUEL SWITCH INSTALLATION (PRIOR TO S/N 58209)	1
	0259768	Ref.	DUAL FUEL SWITCH INSTALLATION (S/N 58209 TO S/N 62137)	2
	0270073	Ref.	DUAL FUEL SWITCH INSTALLATION (MODEL - 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE") (S/N 58209 TO S/N 62137)	2
101	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
	0259309	Ref.	HEAD & TAIL LIGHTS INSTALLATION (OPTIONAL) (MODEL - 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE")	1
201	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
	0256631	Ref.	LIGHT PANEL DECAL INSTALLATION	—
301	1702387	1	Decal - Display	
		Ref.	HARNESS COMPONENTS	
401	4120035	7	Base, Light	
	2920129	7	Bulb, Light	
	4922075	Ref.	RELAY AND TERMINAL BLOCK INSTALLATIONS	4
501	3641182	1	Track	
502	4460601	10	Block, Terminal	
503	4460607	2	Stop, End	

SECTION 4 PLATFORM

FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLIES (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
504	4460602	1	Barrier, Terminal	
505	4460629	2	Marker, Terminal (6-15)	
506	4460603	1	Bar, Buss - 10 Position (Cut into [2] 5 Position Bars)	
507	4460600	10	Block, Terminal	
508	4460631	1	Marker, Terminal (Negative)	
509	4460632	1	Marker, Terminal (1-5)	
510	4120013	3	Socket, Relay	
511	4460613	1	Connector - 21 Position	
512	4460503	1	Connector - 31 Position	

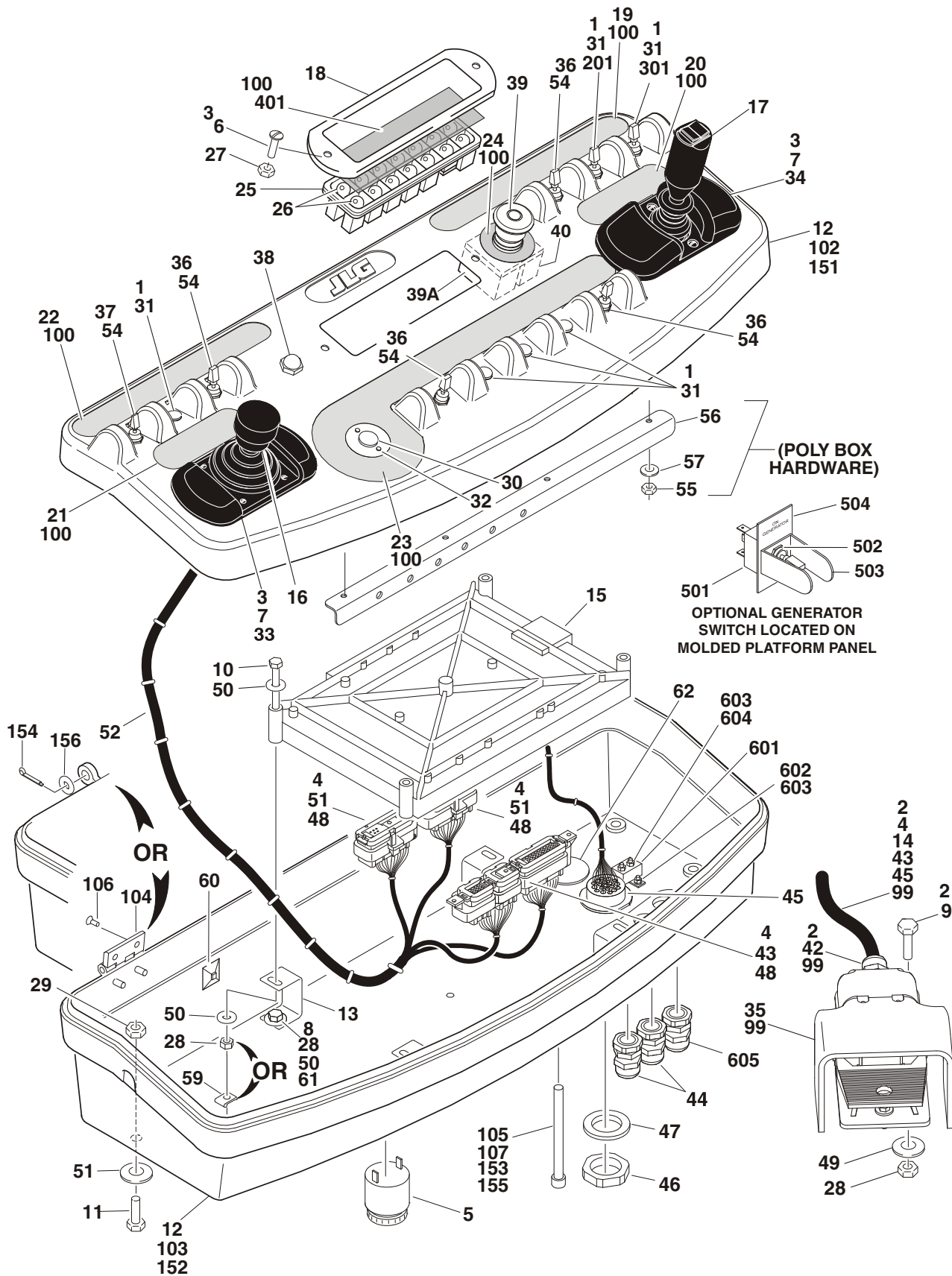
SECTION 4 PLATFORM

FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLIES (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLES - WITH ADE SYSTEM (S/N 62137 TO PRESENT)



SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLIES - WITH ADE SYSTEM (S/N 62137 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	CONSOLE BOX & FOOTSWITCH ASSEMBLIES	
	0861424	Ref.	MODEL 601S (POLY BOX) (PRIOR TO S/N 64398)	F
	0861489	Ref.	MODEL 601S (POLY BOX) (S/N 64398 TO S/N 67978)	B
	0861393	Ref.	MODEL 601S With A "Enhanced Hostile Environment Package" (ALUMINUM BOX) (PRIOR TO S/N 64398)	F
	0861488	Ref.	MODEL 601S With A "Enhanced Hostile Environment Package" (ALUMINUM BOX) (S/N 64398 TO S/N 67978)	B
	0861526	Ref.	MODEL 601S/601S With A "Enhanced Hostile Environment Package" (DIE CAST BOX) (S/N 67978 TO PRESENT)	E
1	0100009	A/R	Sealant	
2	0100020	A/R	Sealant	
3	0100035	A/R	Loctite #222	
4	0100048	A/R	Grease, Dielectric	
5		1	Alarm Options:	
	0140026		Alarm Prior to S/N 64398	
	0140011		Alarm S/N 64398 to Present	
6	0630464	2	Screw, Button Head #10-24NC x 1/2"	
7	0641404	8	Bolt 1/4"-20NC x 1/2" (Aluminum Box) (Prior to S/N 67978)	
8		4	Bolt Options:	
	0641406		Bolt 1/4"-20NC x 3/4" (Prior to S/N 67978)	
	0641404		Bolt 1/4"-20NC x 1/2" (S/N 67978 to Present)	
9	0641414	3	Bolt 1/4"-20NC x 1 3/4"	
10		4	Bolt Options:	
	0641418		Bolt 1/4"-20NC x 2 1/4" (Prior to S/N 64398)	
	0641416		Bolt 1/4"-20NC x 2" (S/N 64398 to Present)	
11	0641610	4	Bolt 3/8"-16NC x 1 1/4"	
12		1	Box, Console Options:	
	0861414		Box, Aluminum (See Items 101-108 for Breakdown) (Prior to S/N 67978)	
	0861537		Box, Die Cast (See Items 151-156 for Breakdown) (S/N 64398 to Present)	
	0861392		Box, Poly (Prior to S/N 67978)	
13	0902751	4	Bracket, Support	
14		A/R	Cable, Electrical Options:	
	1060330	7ft/2.1mm	Cable, Electrical - 16/3 (Prior to S/N 64398)	
	1060918	1	Cable, Electrical - 18/3 (S/N 64398 to Present)	
15		1	Controller, Module (Re-calibration Required when Replaced)	
			Options:	
	1600313		Module Prior to S/N 78257	
	1600375		Module S/N 78257 to Present	
16	1600317	1	Controller Assembly (Lift & Swing) (See Figure 4-7 for Breakdown)	
17	1600318	1	Controller Assembly (Drive & Steer) (See Figure 4-10 for Breakdown)	
18	1670829	1	Bezel	
19		1	Decal (Stop) Options:	
	1702564		Decal Prior to S/N 73286	
	1704997		Decal S/N 73286 to Present	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLIES - WITH ADE SYSTEM (S/N 62137 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
20	1702565	1	Decal (Drive and Steer)	
21	1702566	1	Decal (Lift and Swing)	
22	1702676	1	Decal (Horn)	
23	1703680	1	Decal (Function Speed)	
24	1704260	1	Decal - EMS	
25	2760105	1	Housing, Display Light	
26	2920129	7	Bulb, Light	
27	3300408	2	Insert, Nylon (Prior to S/N 67978)	
28	3311405	A/R	Locknut 1/4"-20NC	
29	3311605	4	Locknut 3/8"-16NC	
30		1	Plug, Hole Options:	
	3520027		Plug Prior to S/N 67978	
	3520173		Plug S/N 67978 to Present	
31	3520028	6	Plug, Hole 1/2"	
32	3520174	2	Plug, Hole 3/16"	
33	4340678	1	Support, Hand (Aluminum Box) (Left Side) (Prior to S/N 67978 Only)	
34	4340684	1	Support, Hand (Aluminum Box) (Right Side) (Prior to S/N 67978 Only)	
35	4360031	1	Footswitch	
36	4360328	4	Switch, Toggle	
37	4360331	1	Switch, Toggle	
38	4360387	1	Switch, Pushbutton	
39	4360475	1	Switch, Emergency Stop	
	7020175	1	Cap, Red	
39A	7020176	1	Contact Block	
40	4360476	1	Block, Contact	
41	Not Used			
42	4460071	1	Connector, Strain Relief	
43	4460226	2	Socket, Contact	
44	4460428	2	Connector, Strain Relief	
45	4460464	1	Terminal, Deutsch	
46	4460470	1	Nut, Terminal	
47	4460471	1	Lockwasher, Terminal	
48	4460905	5	Seal, Plug	
49	4740362	3	Washer, Fender	
50	4751400	16	Flatwasher 1/4"	
51	4751600	A/R	Flatwasher 3/8"	
52		1	Harness, Platform Box Options: (See Section 7 for Breakdown)	
	4922520		Harness Prior to S/N 64398	
	4922650		Harness S/N 64398 to S/N 67978	
	4922639		Harness S/N 67978 to Present	
53		1	Harness, Analyzer Cable (Not Shown - See Section 7 for Breakdown)	
	4922485		Harness Prior to S/N 64398	
	4922666		Harness S/N 64398 to Present	
54	3790012	5	O-Ring	
55	3311005	4	Locknut #10-24NC (Model 601S Poly Box Only)	
56	3571222	1	Plate, Relay Mount (Model 601S Poly Box Only)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLES - WITH ADE SYSTEM (S/N 62137 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
57	4751000	4	Flatwasher #10 (Model 601S Poly Box Only)	
58	4460708	2	Connector, Female - 15 Position (Not Shown - See Section 7 for Location) (S/N 65858 to Present)	
59	3300353	4	Nut, Tinnerman (S/N 64398 to Present)	
60	4460488	1	Base, Mounting (S/N 64398 to Present)	
61	0100081	A/R	Loctite #454 (S/N 64398 to Present)	
62	1671037	1	Cover (S/N 64398 to Present)	
			— — — — —	
99	0272970	1	Preassembled Footswitch Kit (Includes Items 2, 14, 35, 42, 43 & 45)	
100	2910870	1	Decal Kit (Includes Items 19, 20, 21, 22, 23, 24 & 401)	
	0861414	Ref.	CONSOLE BOX ASSEMBLY (PRIOR TO S/N 67978)	C
101	0100011	A/R	Loctite #242 (Not Shown)	
102	Not Available	1	Console Top	
103	Not Available	1	Console Bottom	
104	2600211	2	Hinge	
105	3311601	1	Nut 3/8"-16NC	
106	3900224	8	Screw Countersunk	
107	3931672	1	Screw 3/8"-16NC x 4 1/2"	
108	3520174	3	Plug, Hole (Not Shown - Located in Back of Lid)	
	0861537	Ref.	CONSOLE BOX ASSEMBLY (S/N 67978 TO PRESENT)	E
151	Not Available	1	Console Top	
152	Not Available	1	Console Bottom	
153	3311601	1	Nut 3/8"-16NC	
154		2	Pin, Cotter Options:	
	3450304		Pin, Cotter (Prior to S/N 74471)	
	3420156		Pin, Cotter Hair (S/N 74471 to S/N 88140)	
	3470003		Pin, Cotter Hair (S/N 88140 to Present)	
155	0630568	1	Screw 3/8"-16NC x 4 1/2"	
156	4711500	2	Flatwasher 5/16	
	0271415	Ref.	DUAL FUEL SWITCH INSTALLATION	A
201	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
	0270802	Ref.	HEAD & TAIL LIGHTS INSTALLATION (OPTIONAL) (MODEL - 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE") (PRIOR TO S/N 63913)	1
	0271044	Ref.	HEAD & TAIL LIGHTS INSTALLATION (OPTIONAL) (MODEL - 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE") (S/N 63913 TO PRESENT)	2
301	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLIES - WITH ADE SYSTEM (S/N 62137 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
401		Ref.	LIGHT PANEL DECAL INSTALLATIONS	
	0256631	Ref.	DUAL CAPACITY	—
	0256632	Ref.	SINGLE CAPACITY	—
		1	Decal - Display Options:	
	1702387		Decal - Display (Dual Capacity)	
	1703084		Decal - Display (Single Capacity)	
		Ref.	GENERATOR INSTALLATION (OPTIONAL)	
	0270801	Ref.	110V DEUTZ (Prior to S/N 64254)	1
	0271049	Ref.	110V DEUTZ (S/N 64254 to S/N 82632)	3/C
	0274080	Ref.	110V DEUTZ (S/N 82632 to Present)	2/B
501	4360336	1	Switch, Toggle	
502	4740397	1	Bushing	
503	4060802	1	Guard, Switch	
504	3251102	1	Decal - Generator ON/OFF	
	0270814	Ref.	PLATFORM WORKLIGHT INSTALLATION (OPTIONAL)	3
601	4360232	1	Breaker, Circuit - 15Amp	
602	0721003	2	Bolt #10-24NC x 3/8"	
603	4761000	4	Lockwasher #10	
604	3311001	2	Nut #10-24NC	
605	4460598	1	Connector, Strain Relief	

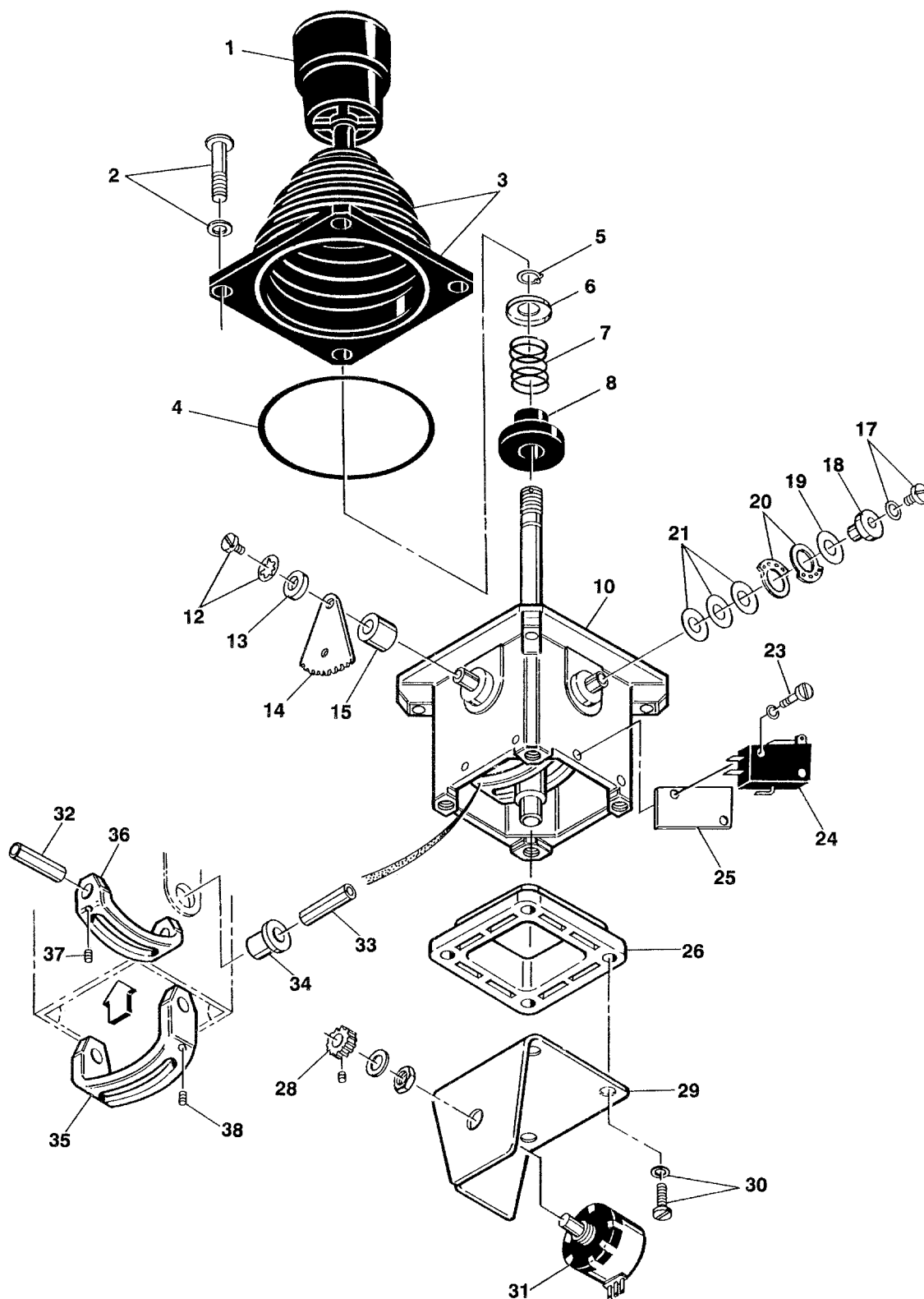
SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBILES - WITH ADE SYSTEM (S/N 62137 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 4-5. CONTROLLER ASSEMBLY (SWING & LIFT) (PRIOR TO S/N 39653)



SECTION 4 PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY (SWING & LIFT) (PRIOR TO S/N 39653)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1600242	Ref.	CONTROLLER ASSEMBLY	A
1	7003951	1	Knob, Handle	
2	Not Serviced	4	Screw M14 x 25mm	
	Not Serviced	4	Washer	
3	Use 7022813	1	Plate (was p/n 7003954)	
	Use 7022813	1	Boot (was p/n 7003955)	
4	7003956	1	O-Ring	
5	7003957	1	Ring, Retaining	
6	7003958	1	Retainer	
7	7003959	1	Spring	
8	7003960	1	Bushing, Nylon Shaft	
9	Not Used			
10	Not Serviced	1	Casting, Handle	
11	Not Used			
12	Not Serviced	2/2	Screw M3 x.05mm/Starwasher M3	
13	Not Serviced	2	Spacer	
14	7003977	2	Gear, Drive	
15	Not Serviced	2	Bearing, Gear	
16	Not Used			
17	Not Serviced	2	Screw M3	
	Not Serviced	2	Washer, Wavy	
18	7019193	2	Coupling, Cam	
19	Not Serviced	2	Spacer, Cam	
20	Not Serviced	4	Cam, 4 Hole	
21	Not Serviced	6	Cam	
22	Not Used			
23	Not Serviced	4/4	Screw/Washer	
24	7003961	2	Mico-Switch	
25	Not Serviced	2	Insulator	
26	Not Serviced	1	Gate	
27	Not Used			
28	7003976	2	Gear	
	Not Serviced	2	Setscrew	
	Not Serviced	2	Spacer	
	Not Serviced	2	Nut	
29	Not Serviced	1	Plate	
30	Not Serviced	4/4	Screw M4 x 14mm/Starwasher M4	
31	7003974	2	Potentiometer	
32	7019192	1	Pin	
33	7019104	2	Pin	
34	7019111	2	Bushing	
35	7019122	1	Limiter, Gate - Outer	
36	7019123	1	Limiter, Gate - Inner	
37	Not Serviced	1	Setscrew	
38	Not Serviced	1	Setscrew	

SECTION 4 PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY (SWING & LIFT) (PRIOR TO S/N 39653) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
39	4460266	1	Connector - 9 Pin	
	4460268	8	Socket, Female	
	4460265	1	Plug - 9 Pin (Part of Platform Wiring) (Not Shown)	
	4460267	8	Pin, Male (Part of Platform Wiring) (Not Shown)	

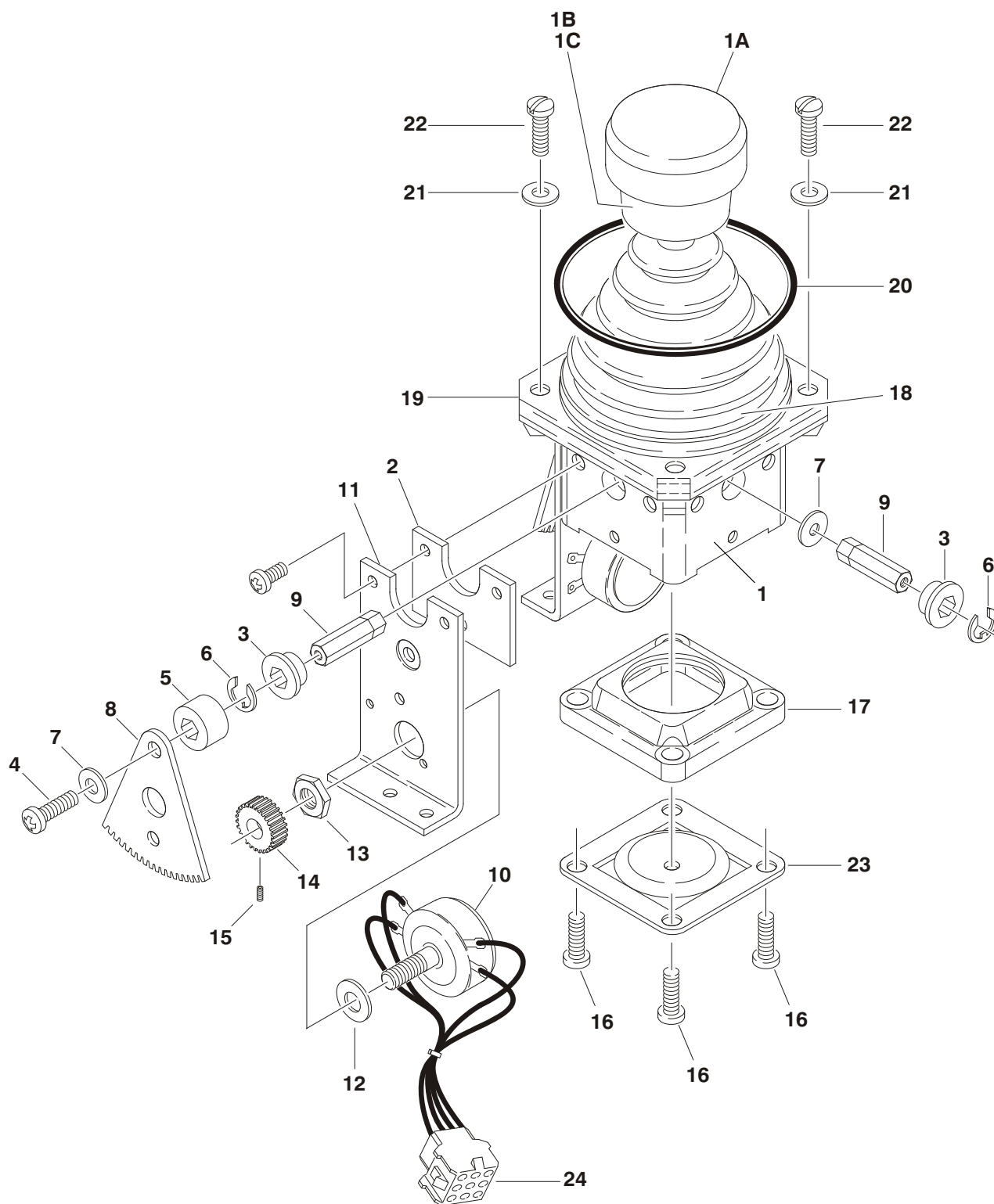
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FIGURE 4-5. CONTROLLER ASSEMBLY (SWING & LIFT) (PRIOR TO S/N 39653) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 4-6. CONTROLLER ASSEMBLY (SWING & LIFT) (S/N 39653 TO S/N 62137)



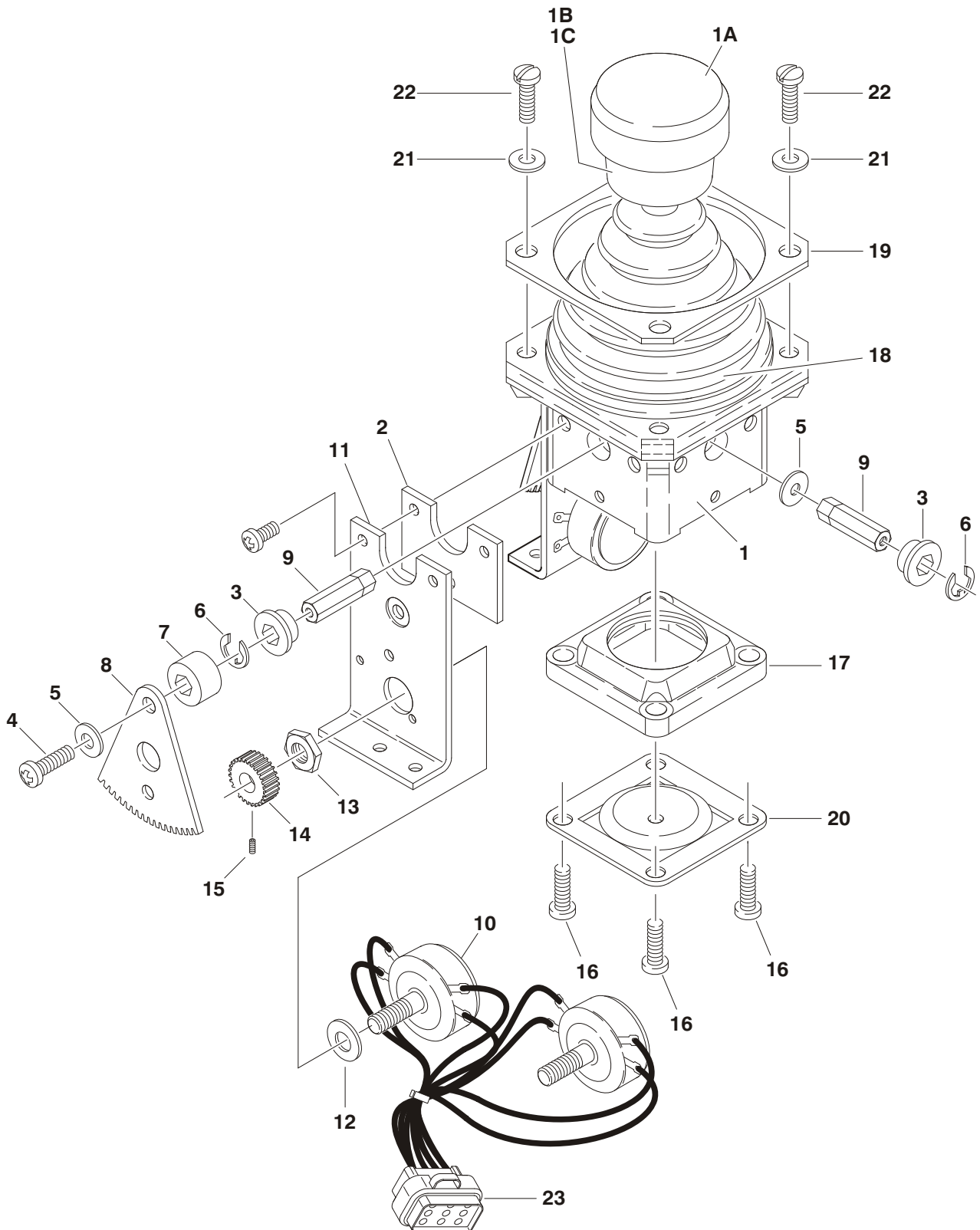
SECTION 4 PLATFORM

FIGURE 4-6. CONTROLLER ASSEMBLY (SWING & LIFT) (S/N 39653 TO S/N 62137)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1600284	Ref.	CONTROLLER ASSEMBLY	A
1	7019141	1	Mechanical Assembly (Includes Base, Handle Stem & Items 1A, 1B, 1C & 18 Boot)	
1A	7019197	1	Handle Cap & Rod	
1B	7003928	1	Spring	
1C	7022808	1	Cap, Lift	
2	7019142	2	Plate	
3	7019111	4	Bearing, Gear	
4	7019143	2	Screw	
5	7019144	2	Spacer, Cam	
6	7019145	4	E-Clip	
7	7019174	2	Spacer	
8	7003977	2	Gear, Drive	
9	7019147	4	Shaft	
10	7003974	2	Potentiometer	
11	7019142	2	Plate	
12	7003992	2	Washer	
13	7003993	2	Nut	
14	7003976	2	Gear, Slave	
15	7019149	2	Setscrew	
16	7003952	4	Screw	
17	7019150	1	Gate	
18	Use 7022813	1	Boot (was p/n 7003955)	
19	Use 7022813	1	Plate, Plastic (was p/n 7003954)	
20	7003956	1	Gasket	
21	7003953	4	Washer	
22	7022811	4	Screw	
23	Not Serviced	1	Center, Detent	
24	4460266	1	Connector - 9 Pin	
	4460268	8	Socket, Female	
	4460265	1	Plug - 9 Pin (Part of Platform Wiring) (Not Shown)	
	4460267	8	Pin, Male (Part of Platform Wiring) (Not Shown)	

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FIGURE 4-7. CONTROLLER ASSEMBLY (SWING & LIFT) (WITHOUT ADE SYSTEM) (S/N 62137 TO PRESENT)



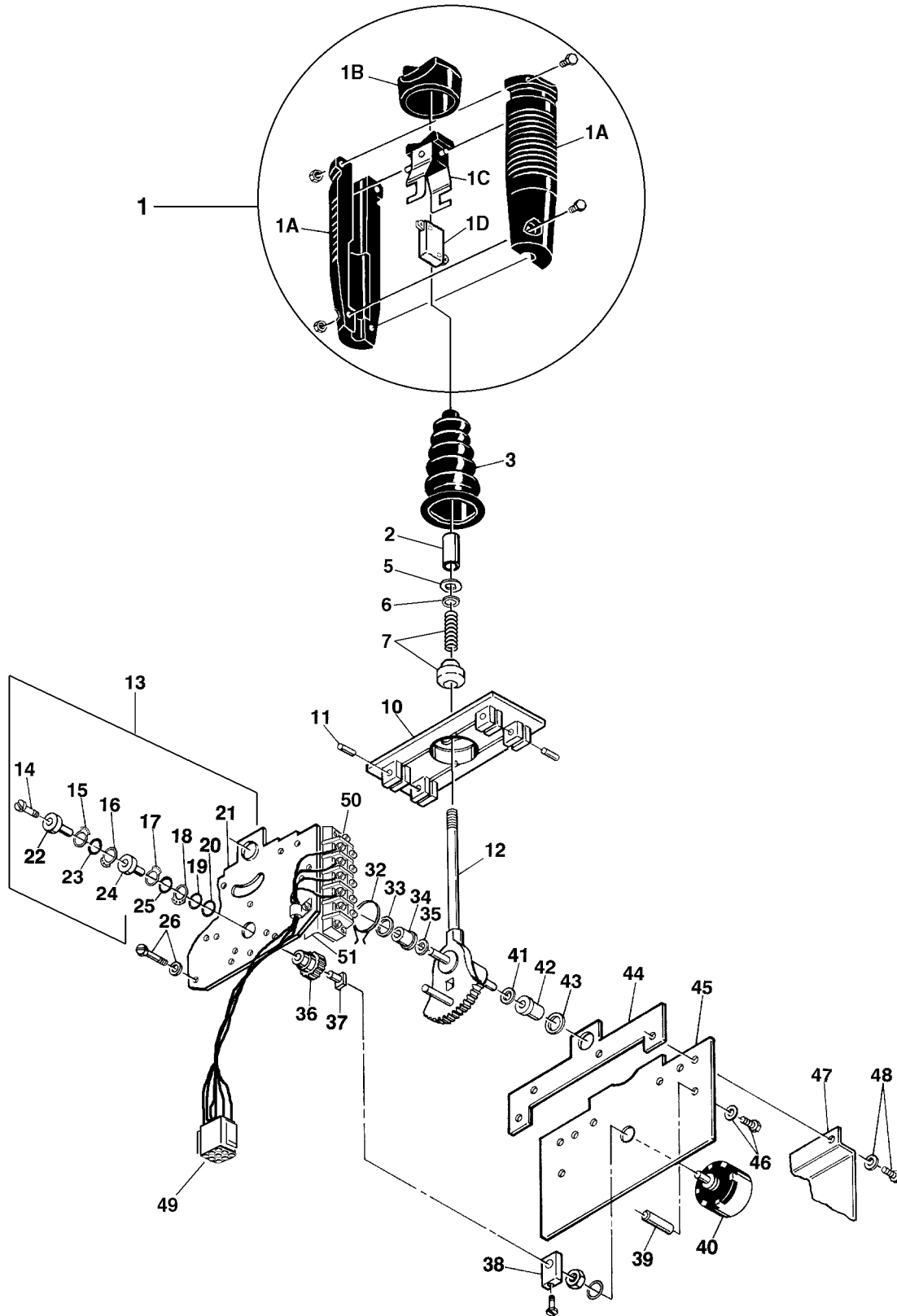
SECTION 4 PLATFORM

FIGURE 4-7. CONTROLLER ASSEMBLY (SWING & LIFT) (WITHOUT ADE SYSTEM) (S/N 62137 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1600317	Ref.	CONTROLLER ASSEMBLY	A
1	7019141	1	Mechanical Assembly (Includes Base, Handle Stem and Items 1A, 1B, 1C and 18)	
1A	7019197	1	Handle Cap and Rod	
1B	7003928	1	Spring	
1C	7022808	1	Cap, Lift	
2	7019171	2	Plate	
3	7019111	4	Bearing, Gear	
4	7019143	2	Screw	
5	7019144	2	Spacer, Cam	
6	7019145	4	E-Clip	
7	7019174	2	Spacer	
8	7003977	2	Gear, Drive	
9	7019147	2	Shaft (Short)	
	7019177	2	Shaft (Long)	
10	7022818	2	Potentiometer	
11	7019142	2	Plate	
12	7003992	2	Washer	
13	7003993	2	Nut	
14	7003976	2	Gear, Slave	
15	7019149	2	Setscrew	
16	7022816	4	Screw	
17	7019150	1	Gate	
18	7022814	1	Boot	
19	7022815	1	Bezel	
20	Not Serviced	1	Center, Detent	
21	7003953	4	Washer	
22	7022817	4	Screw	
23	7022819	1	Plug, Male 8 Position (Natural)	
	4460871	8	Socket, Female	

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FIGURE 4-8. CONTROLLER ASSEMBLY (DRIVE & STEER) (PRIOR TO S/N 39653)



SECTION 4 PLATFORM

FIGURE 4-8. CONTROLLER ASSEMBLY (DRIVE & STEER) (PRIOR TO S/N 39653)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1600239	Ref.	CONTROLLER ASSEMBLY	C
1	7003978	1	Handle Assembly	
1A	7003973	2	Half, Handle	
1B	7003972	1	Boot, Switch	
1C	7003981	1	Rocker	
1D	7003982	2	Switch, Mico	
2	7003984	1	Coupling	
3	7003966	1	Boot, Switch	
4	Not Used			
5	7003957	1	Ring, Retainer	
6	7003967	1	Washer	
7	7003968	1	Detent Assembly	
8 to 9	Not Used			
10	7003950	1	Plate, Base	
11	Not Serviced	1	Pin	
12	7003963	1	Shaft/Gear Assembly	
13	Not Serviced	1	Mico Cam Assembly (Includes Items 14 - 25)	
14	Not Serviced	1	Screw	
15 to 18	Not Serviced	1	Cam, 4 Hole	
19 to 20	Not Serviced	1	Spacer, Cam	
21	Not Serviced	1	Plate, Cam - Left Side	
22	Not Serviced	1	Coupling, Cam	
23	Not Serviced	1	Spacer, Cam	
24	Not Serviced	1	Coupling, Cam	
25	Not Serviced	1	Spacer, Cam	
26	Not Serviced	4	Screw	
	Not Serviced	4	Washer	
27 to 31	Not Used			
32	7003946	1	Spring, Return	
33	Not Serviced	1	Spacer	
34	Not Serviced	1	Bearing	
35	Not Serviced	1	Washer, Cam Retainer	
36	Not Serviced	1	Gear, Slave	
37	Not Serviced	1	Nut/Cam Assembly	
38	Not Serviced	1	Potentiometer Coupling Assembly	
39	Not Serviced	2	Stand-Off	
40	7003974	1	Potentiometer	
41	Not Serviced	1	Washer, Cam Retainer	
42	Not Serviced	1	Bearing	
43	Not Serviced	1	Spacer	
44	Not Serviced	1	Plate, Mounting	
45	Not Serviced	1	Plate, Potentiometer	
46	Not Serviced	2	Screw	
	Not Serviced	2	Washer	
47	Not Serviced	1	Heatsink	
48	Not Serviced	2	Screw	
	Not Serviced	2	Washer	

SECTION 4 PLATFORM

FIGURE 4-8. CONTROLLER ASSEMBLY (DRIVE & STEER) (PRIOR TO S/N 39653)

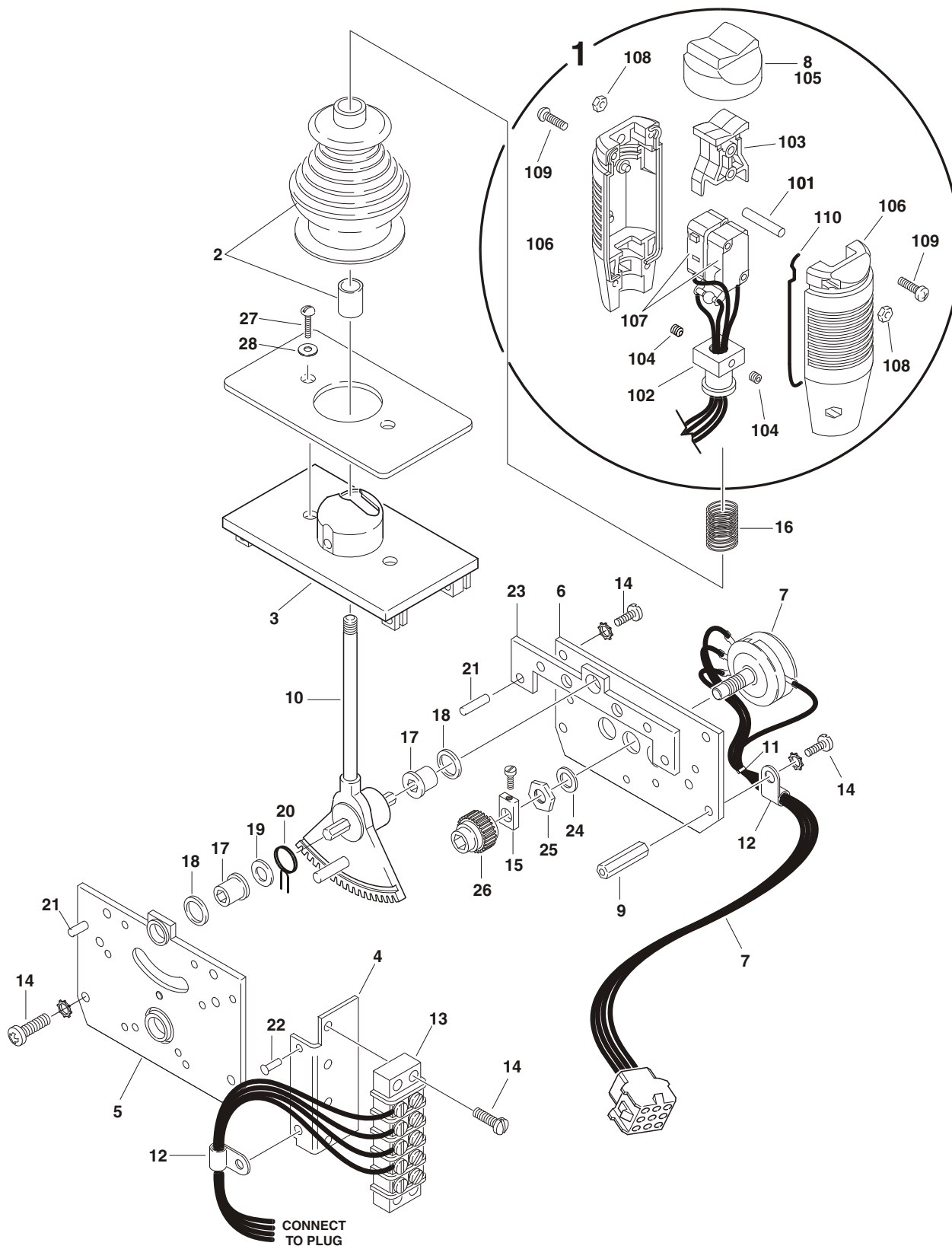
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
49	4460266	1	Connector, Amp (9 Pin) (Not Shown)	
	4460268	7	Socket (Not Shown)	
	4460265	1	Plug, Amp (9 Pin) (Not Shown - Part of Harness)	
	4460267	7	Pin (9 Pin) (Not Shown - Part of Harness)	
50	7003986	1	Strip, Terminal - 3 Position	
	Not Available	1	Strip, Terminal - 5 Position	
51	7003985	1	Brace	

FIGURE 4-8. CONTROLLER ASSEMBLY (DRIVE & STEER) (PRIOR TO S/N 39653)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-9. CONTROLLER ASSEMBLY (DRIVE & STEER) (S/N 39653 TO S/N 62137)



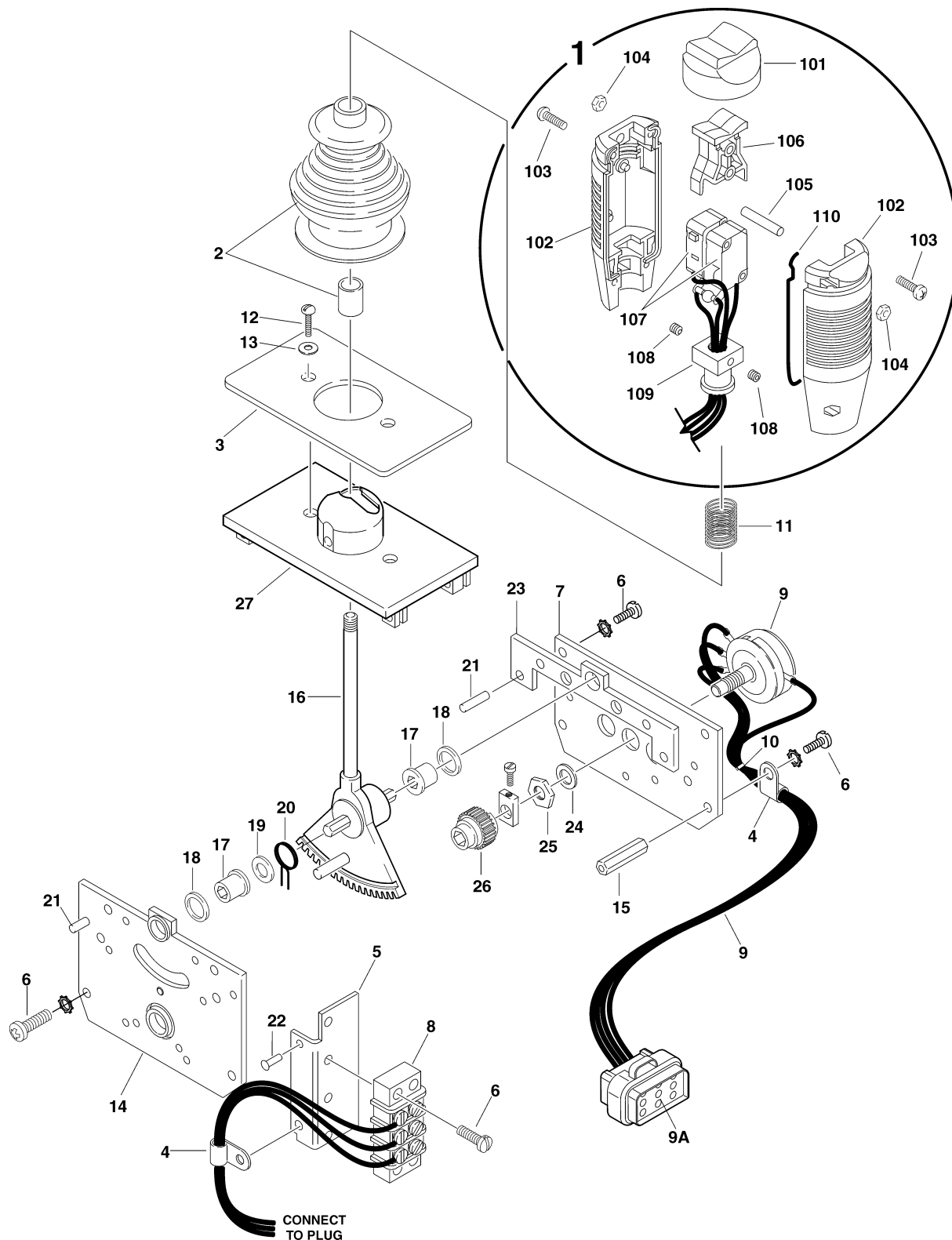
SECTION 4 PLATFORM

FIGURE 4-9. CONTROLLER ASSEMBLY (DRIVE & STEER) (S/N 39653 TO S/N 62137)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1600283	Ref.	CONTROLLER ASSEMBLY	B
1	7022810	1	Handle Assembly (See items 101-110 for Breakdown)	
2	7019161	1	Handle Centering Assembly - Boot & Sleeve Only	
3	7019160	1	Cast Housing Assembly	
4	7019159	1	Bracket, Mounting	
5	7019158	1	Plate, Mounting (Left Side)	
6	7019157	1	Plate, Pot Mounting	
7	7019156	1	Electric Assembly	
8	7003972	1	Boot, Rocker	
9	7019115	2	Stand-Off	
10	7019155	1	Shaft 8mm	
11	7019151	A/R	Tie-Strap	
12	7019154	2	Clamp, Wire	
13	7019153	1	Strip, Terminal - 5 Position	
14	7019117	8	Screw	
15	7019163	1	Potentiometer Coupling Assembly	
16	7019162	1	Spring	
17	7019111	2	Bearing	
18	7019110	2	Spacer, Head Gear	
19	7019112	1	Washer	
20	7003946	1	Spring, Return	
21	7019103	4	Pin	
22	Not Serviced	1	Rivet	
23	7019168	1	Plate, Mounting (Right Side)	
24	7003992	1	Washer	
25	7003993	1	Nut	
26	7003935	1	Gear, Slave	
27	7003969	2	Screw	
28	7003941	2	Washer	
	7022810	Ref.	HANDLE ASSEMBLY	
101	7019164	1	Axle	
102	7019194	1	Coupling	
103	7019165	1	Rocker	
104	7003983	2	Setscrew	
105	7003972	1	Boot, Switch	
106	7003973	2	Half, Handle	
107	7019166	2	Switch, Micro	
108	7019167	4	Nut	
109	7003980	4	Screw	
110	7003989	2	Gasket	

SECTION 4 PLATFORM

FIGURE 4-10. CONTROLLER ASSEMBLY (DRIVE & STEER) (WITH ADE SYSTEM) (S/N 62137 TO PRESENT)



SECTION 4 PLATFORM

FIGURE 4-10. CONTROLLER ASSEMBLY (DRIVE & STEER) (WITH ADE SYSTEM) (S/N 62137 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1600318	Ref.	CONTROLLER ASSEMBLY	A
1	7022812	1	Handle Assembly (See items 101-110 for Breakdown)	
2	7019161	1	Boot and Sleeve	
3	7003933	1	Gasket	
4	7019154	2	Clamp, Wire	
5	7022823	1	Bracket, Mounting	
6	7003994	1	Screw	
7	7022822	1	Plate, Pot Mounting	
8	7003986	1	Strip, Terminal - 3 Position	
9	7022824	1	Electric Assembly	
9A	7022825	1	Plug, Male - 8 Position (Black)	
	4460871	7	Socket, Female	
10	7019151	A/R	Tie-Strap	
11	7019162	1	Spring	
12	7003969	2	Screw	
13	7003941	2	Washer	
14	Not Serviced	1	Plate, Mounting (Left Side)	
15	7019115	2	Stand-Off	
16	7019155	1	Shaft 8mm	
17	7019111	2	Bearing	
18	7019110	2	Spacer, Head Gear	
19	7019112	1	Washer	
20	7003946	1	Spring, Return	
21	7019103	4	Pin	
22	Not Serviced	1	Rivet	
23	7019168	1	Plate, Mounting (Right Side)	
24	7003992	1	Washer	
25	7003993	1	Nut	
26	7003935	1	Gear, Slave	
27	7019160	1	Cast Housing Assembly	
	7022812	Ref.	HANDLE ASSEMBLY	
101	7003972	1	Boot, Switch	
102	7003973	2	Half, Handle	
103	7003980	4	Screw	
104	7019167	4	Nut	
105	7019164	1	Axle	
106	7019165	1	Rocker	
107	7019166	2	Switch, Micro	
108	7003983	2	Setscrew	
109	7019194	1	Coupling	
110	7003989	2	Gasket	

SECTION 4 PLATFORM

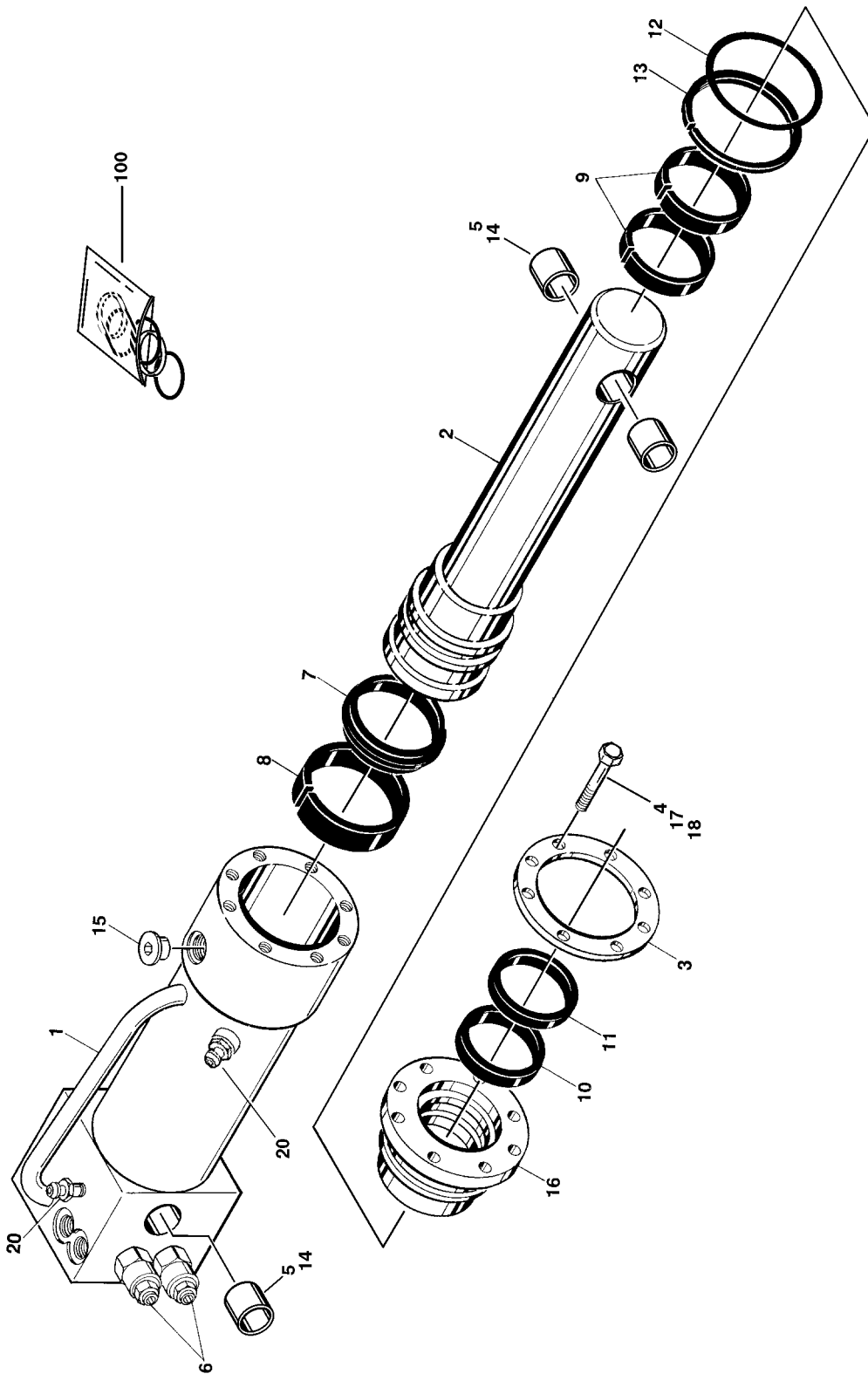
FIGURE 4-10. CONTROLLER ASSEMBLY (DRIVE & STEER) (WITH ADE SYSTEM) (S/N 62137 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 5 CYLINDER

SECTION 5 CYLINDER

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY (PRIOR TO S/N 85132)



SECTION 5 CYLINDER

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683280	Ref.	AXLE LOCKOUT CYLINDER ASSEMBLY	6/D
1	1683281	1	Barrel Weldment	
2	1683283	1	Rod Weldment	
3	3760369	1	Ring, Washer	
4	0681610	8	Bolt 3/8"-16NC x 1 1/4"	
5		4	Bushing Options:	
	Use 0962474		Prior to S/N 69790 (p/n was 0961890)	
	0962474		S/N 69790 to S/N 85132	
6	4640525	2	Cartridge, Valve (Counterbalance) (Prior to S/N 56905)	
	2900770	2	Seal Kit - 4640525 Valve (1 Per Assembly)	
	4641162	2	Cartridge, Valve (Counterbalance) (S/N 56905 to S/N 85132)	
	2900770	2	Seal Kit - 4641162 Valve (1 Per Assembly)	
7	Use Item 100	1	T-Seal	
8	Use Item 100	1	Ring, Wear	
9	Use Item 100	2	Ring, Wear	
10	Use Item 100	1	Seal, Rod	
11	Use Item 100	1	Wiper	
12	Use Item 100	1	O-Ring	
13	Use Item 100	1	Ring, Back-up	
14	0100063	A/R	Loctite RC #609	
15	2220885	1	Plug, O-Ring	
16	1683057	1	Head	
17	0100011	A/R	Loctite #242	
18	0100038	A/R	Primer, Locking	
19	Not Used			
20	4640858	2	Valve, Bleeder	

100	2901321	1	Seal Kit (Includes Items 7-13)	

SECTION 5 CYLINDER

FIGURE 5-2. AXLE LOCKOUT CYLINDER ASSEMBLY (S/N 85132 TO PRESENT)

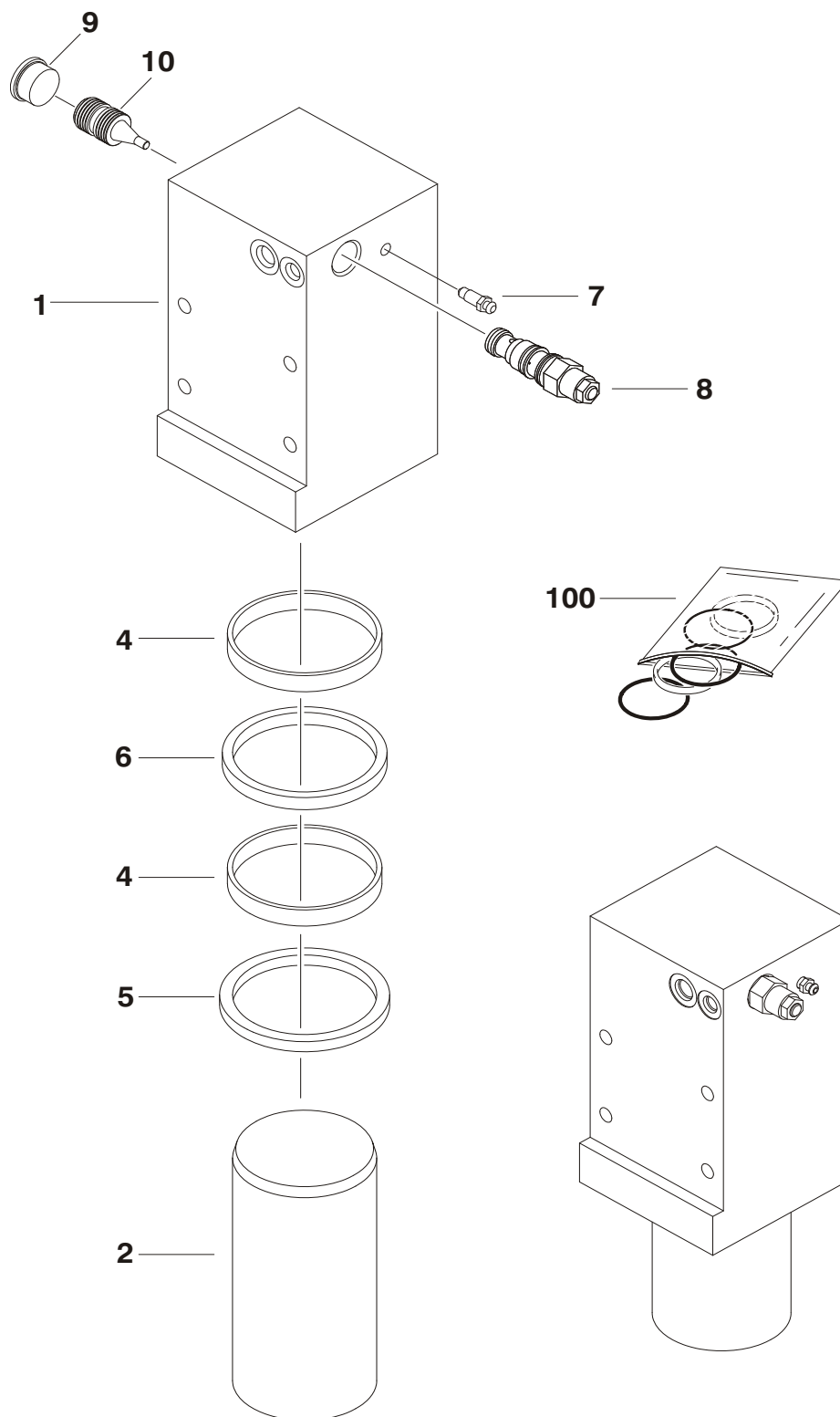


FIGURE 5-2. AXLE LOCKOUT CYLINDER ASSEMBLY (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	
	1684280	Ref	Prior to S/N 89729	F
	1684465	Ref	S/N 89729 to Present	B
1		1	Barrel Options:	
	1684289		Prior to S/N 89729	
	0370026		S/N 89729 to Present	
2	1684290	1	Rod	
3	Not Used			
4	Use Item 100	2	Ring, Wear	
5	Use Item 100	1	Wiper	
6	Use Item 100	1	Seal, Rod	
7	4640476	1	Bleeder	
8		1	Cartridge, Valve Options:	
	4641319		Cartridge, Valve (Prior to S/N 89729)	
	7024879		Seal Kit	
	4641390		Cartridge, Valve (S/N 89729 to Present)	
	7017496		Seal Kit	
9	2220890	1	Plug (S/N 89729 to Present)	
10	3480288	1	Pilot, Piston (S/N 89729 to Present)	

100	2902266	1	Seal Kit (Includes Items 4-6)	

SECTION 5 CYLINDER

FIGURE 5-3. PLATFORM LEVEL CYLINDER ASSEMBLY

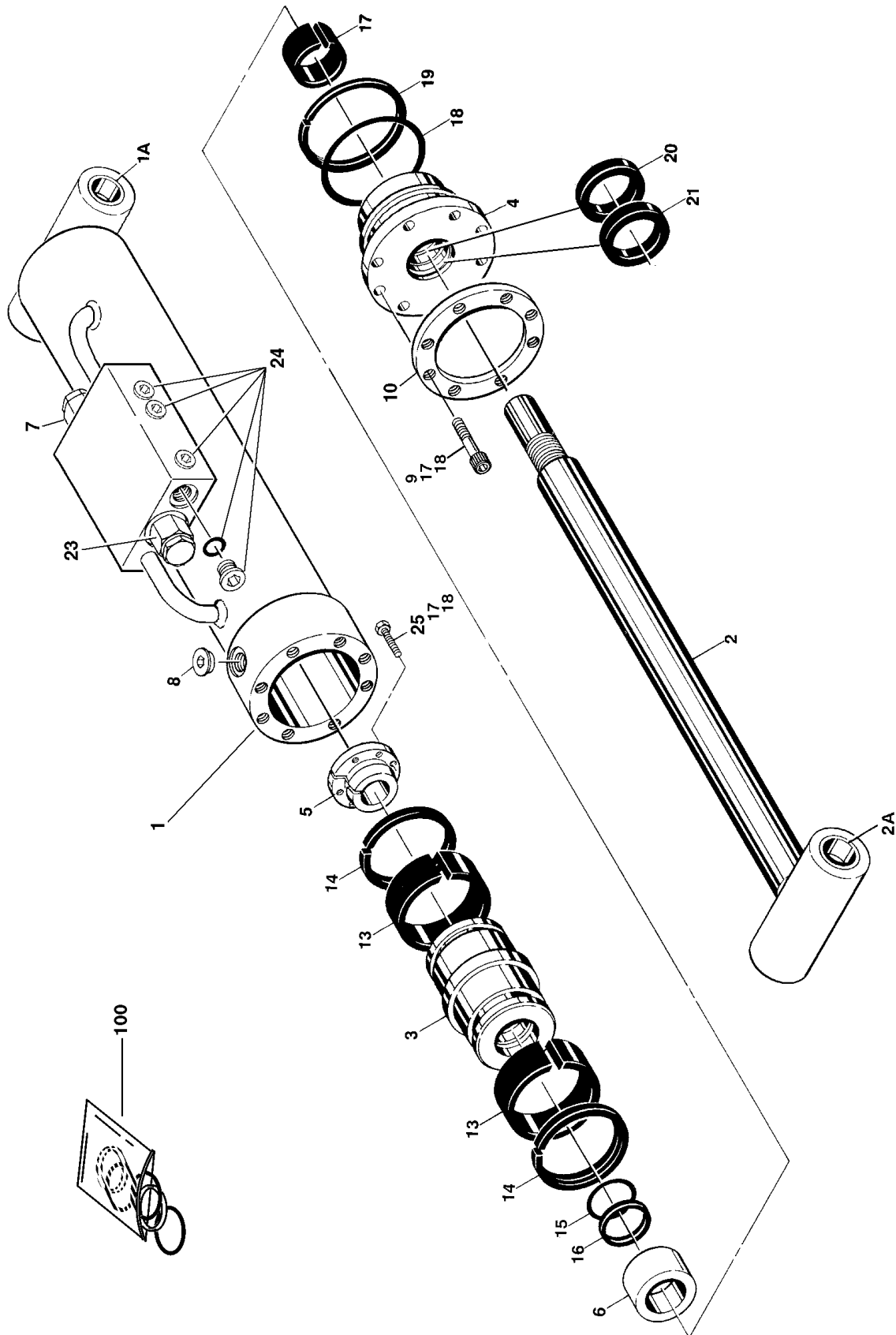


FIGURE 5-3. PLATFORM LEVEL CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683415	Ref.	PLATFORM LEVEL CYLINDER ASSEMBLY	C
1		1	Barrel Weldment Options: Prior to S/N 53541 S/N 53541 to Present	
1A	0961947	2	Bushing, Garmax	
2		1	Rod Weldment Options: Prior to S/N 53541 S/N 53541 to Present	
2A	0961947	2	Bushing, Garmax	
3	3480210	1	Piston	
4	1683053	1	Head	
5	0961893	1	Bushing, Tapered	
6	4566468	1	Spacer	
7	4640509	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640509 Valve	
8	2220885	1	Plug, O-Ring	
9	3931516	8	Bolt, Socket Head 5/16"-18NC x 1"	
10	3760368	1	Ring, Washer	
11	0100011	A/R	Loctite #242	
12	0100038	A/R	Primer, Locking	
13	Use Item 100	2	Seal	
14	Use Item 100	2	Ring, Lock	
15	Use Item 100	1	O-Ring	
16	Use Item 100	1	Ring, Back-up	
17	Use Item 100	1	Ring, Wear	
18	Use Item 100	1	O-Ring	
19	Use Item 100	1	Ring, Back-up	
20	Use Item 100	1	Seal, Rod	
21	Use Item 100	1	Wiper	
22	Not Used			
23	4640932	1	Cartridge, Valve	
	7011112	1	Seal Kit - 4640932 Valve	
24	2220888	8	Plug, O-Ring	
25	0630534	3	Screw, Socket Head (Grip) #10-24NC x 1" (S/N 44757 to Present)	
100	2901303	1	Seal Kit (Includes Items 13-21)	

SECTION 5 CYLINDER

FIGURE 5-4. LIFT (BOOM) CYLINDER ASSEMBLY

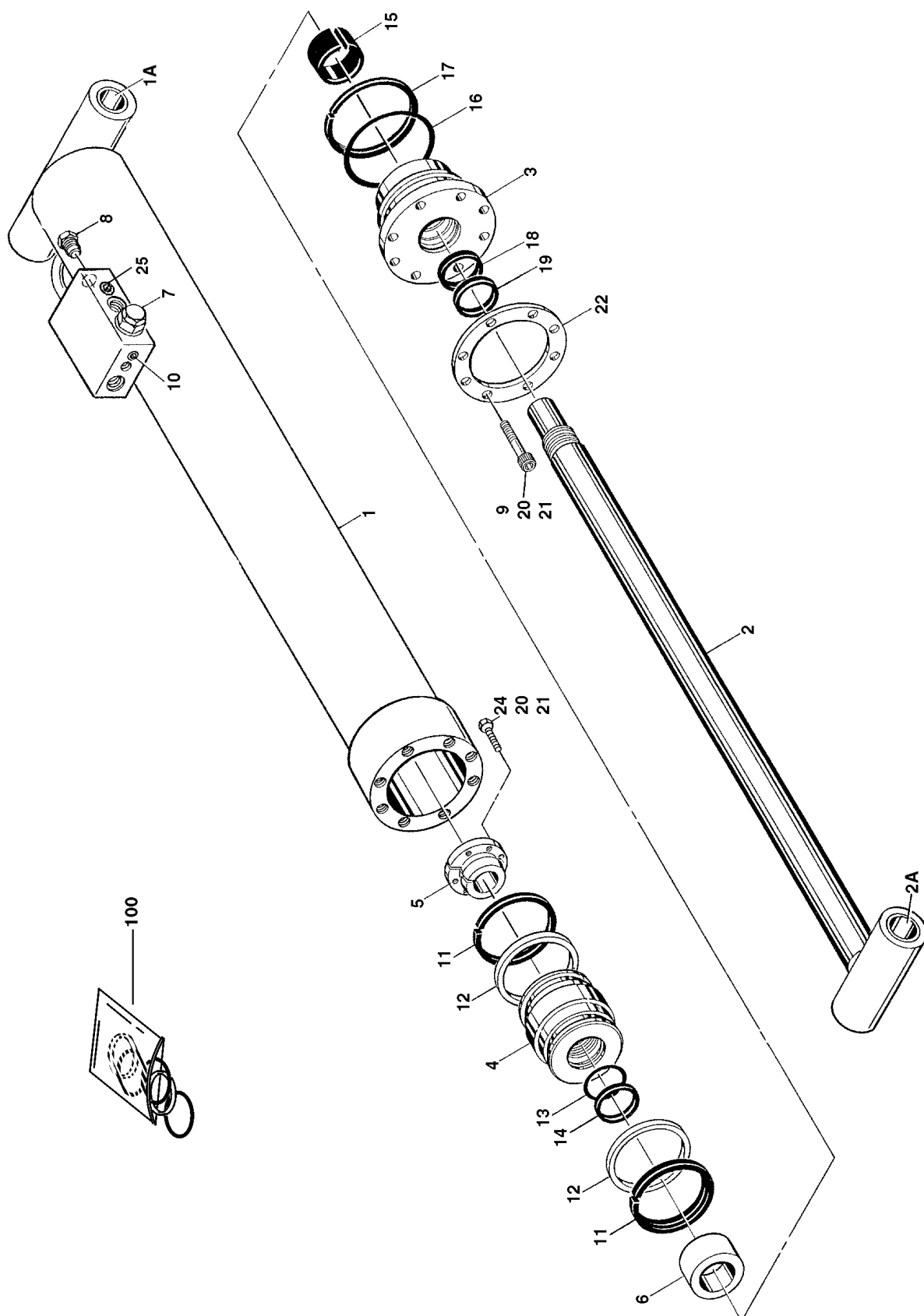


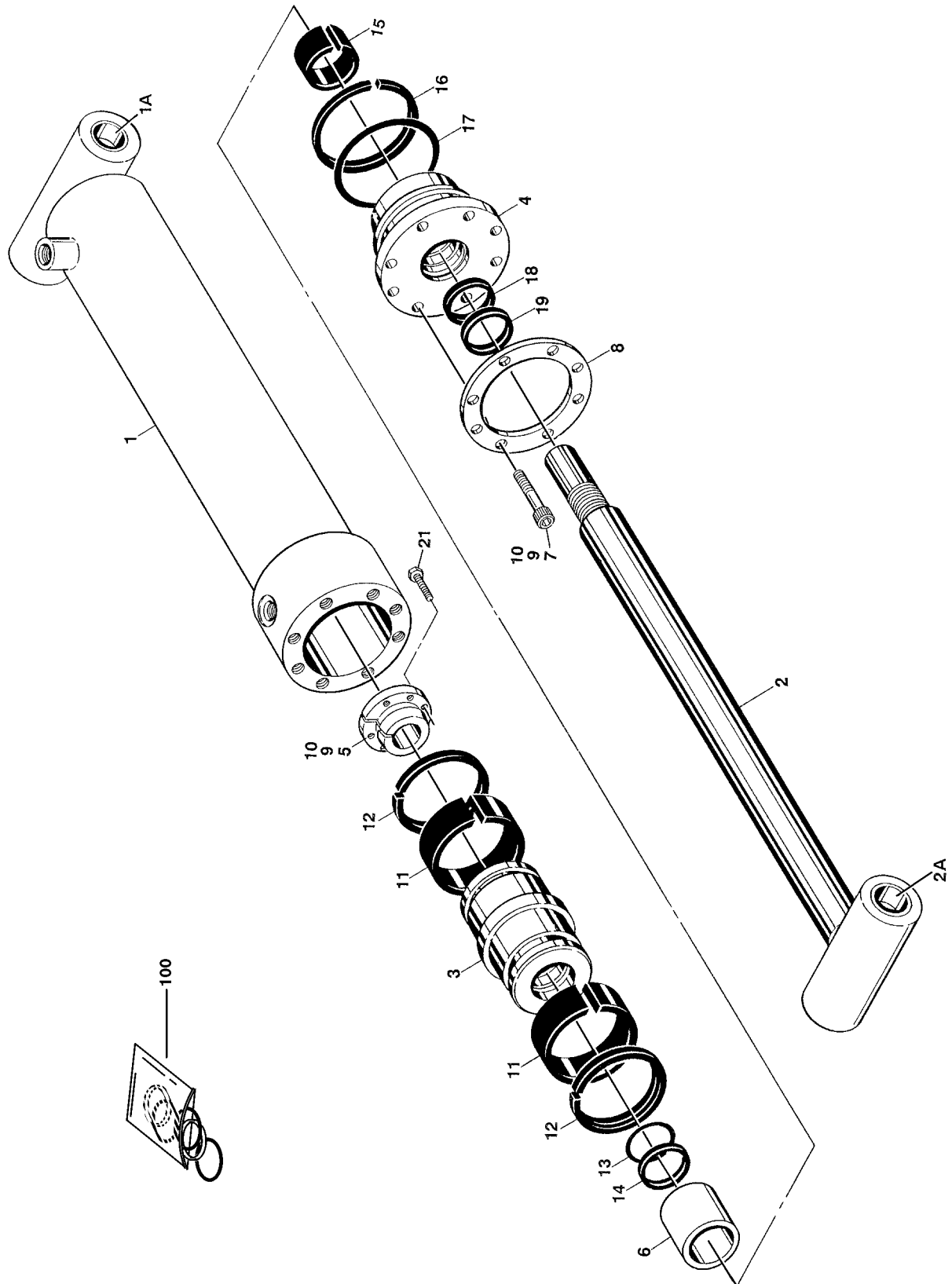
FIGURE 5-4. LIFT (BOOM) CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683666	Ref.	LIFT CYLINDER ASSEMBLY	F
1		1	Barrel Weldment Options:	
	1683276		Prior to S/N 53552	
	1683955		S/N 53552 to Present	
1A	0961950	2	Bushing, Garmax	
2		1	Rod Weldment Options:	
	1683278		Prior to S/N 53552	
	1683954		S/N 53552 to Present	
2A	0961950	2	Bushing, Garmax	
3	1683067	1	Head	
4	3480206	1	Piston	
5	0961898	1	Bushing, Tapered (Use item #24 in place of supplied bolts)	
6	4566501	1	Spacer, Tube	
7	4640509	1	Cartridge, Valve (Counterbalance Non-Vented)	
	2900792	1	Seal Kit - 4640509 Valve	
8	2220239	1	Plug, O-Ring	
9	3932032	8	Bolt, Socket Head 5/16"-11NC x 2"	
10	2220883	2	Plug, O-Ring	
11	Use Item 100	2	Ring, Lock	
12	Use Item 100	2	Seal, Hydrolock	
13	Use Item 100	1	O-Ring	
14	Use Item 100	2	Ring, Back-up	
15	Use Item 100	1	Ring, Wear	
16	Use Item 100	1	O-Ring	
17	Use Item 100	1	Ring, Back-up	
18	Use Item 100	1	Seal, Rod	
19	Use Item 100	1	Wiper	
20	0100011	A/R	Loctite #242	
21	0100038	A/R	Primer, Locking	
22	3760372	1	Washer, Ring	
23	Not Used			
24		3	Bolt Options:	
	0641612		Bolt 3/8"-16NC x 1 1/2" (Prior to S/N 44757)	
	0630536		Screw, Socket Head 3/8"-16NC x 1 1/2" (S/N 44757 to Present)	
25	2220235	1	Plug, O-Ring	
26	0100063	A/R	Loctite RC609 (Not Shown) (Prior to S/N 90183)	

100	2901285	1	Seal Kit (Includes Items 11-19)	

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FIGURE 5-5. MASTER CYLINDER ASSEMBLY



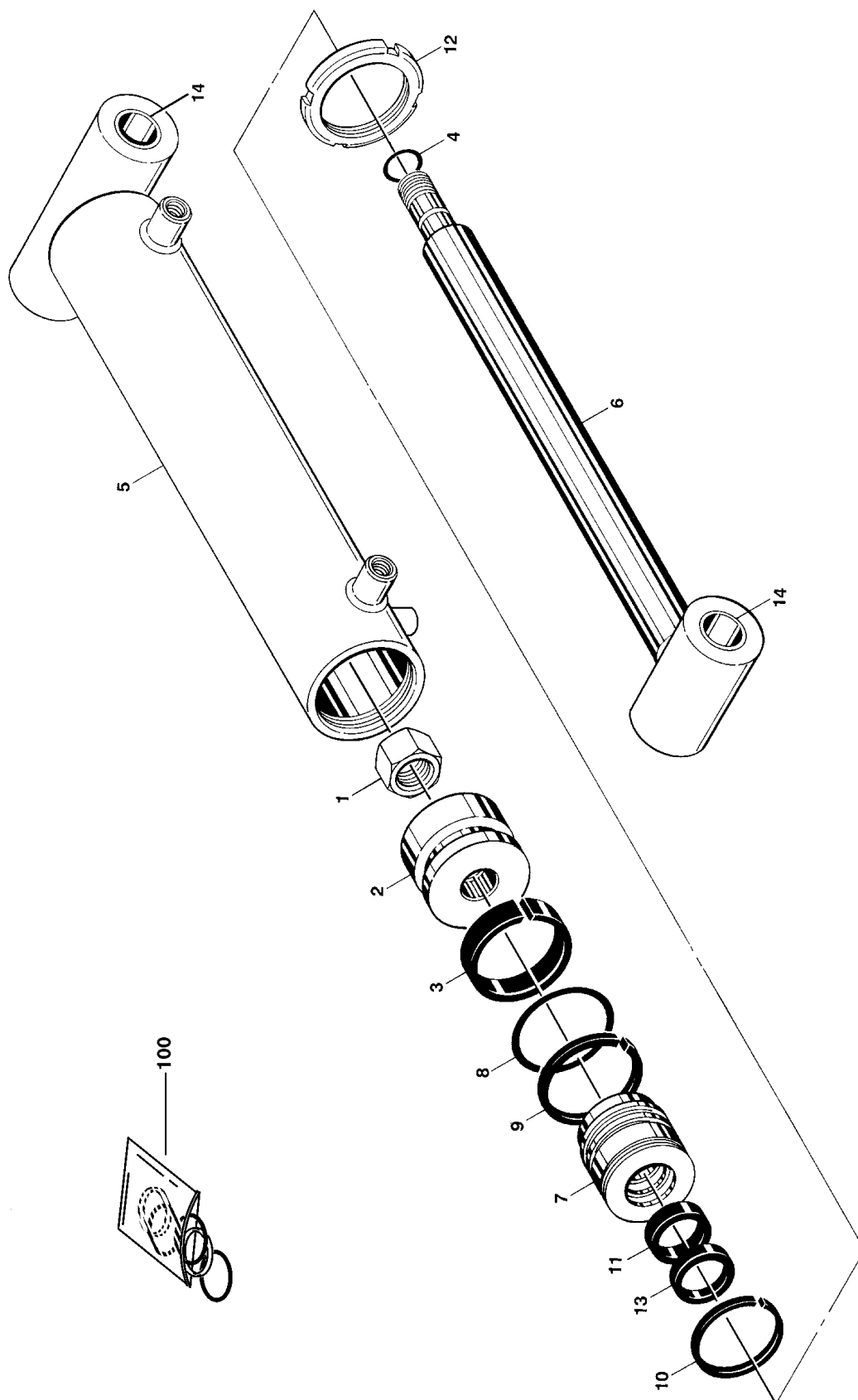
SECTION 5 CYLINDER

FIGURE 5-5. MASTER CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	MASTER CYLINDER ASSEMBLY	
	1683266	Ref.	Prior to S/N 96979	E
	1684414	Ref.	S/N 96979 to Present	C
1		1	Barrel Weldment Options:	
	1683267		Prior to S/N 53541	
	1683972		S/N 53541 to Present	
1A	0961947	2	Bushing, Garmax	
2		1	Rod Weldment Options:	
	1683269		Prior to S/N 53541	
	1683973		S/N 53541 to S/N 98599	
	3850020		S/N 98599 to Present	
2A	0961947	2	Bushing, Garmax	
3	3480210	1	Piston	
4	1683053	1	Head	
5	0961893	1	Bushing, Tapered	
6	4566468	1	Spacer, Tube	
7	3931516	8	Bolt, Socket Head 5/16"-18NC x 1"	
8	3760368	1	Washer, Ring	
9	0100011	A/R	Loctite #242	
10	0100038	A/R	Primer, Locking	
11	Use Item 100	2	Seal	
12	Use Item 100	2	Ring, Lock	
13	Use Item 100	1	O-Ring	
14	Use Item 100	1	Ring, Back-up	
15	Use Item 100	1	Ring, Wear	
16	Use Item 100	1	O-Ring	
17	Use Item 100	1	Ring, Back-up	
18	Use Item 100	1	Seal, Rod	
19	Use Item 100	1	Wiper	
20	Not Used			
21	0630534	3	Screw, Socket Head (Grip) #10-24NC x 1" (S/N 44757 to Present)	
100	2901303	1	Seal Kit (Includes Items 11-19)	

SECTION 5 CYLINDER

FIGURE 5-6. STEER CYLINDER ASSEMBLY (PRIOR TO S/N 85132)



SECTION 5 CYLINDER

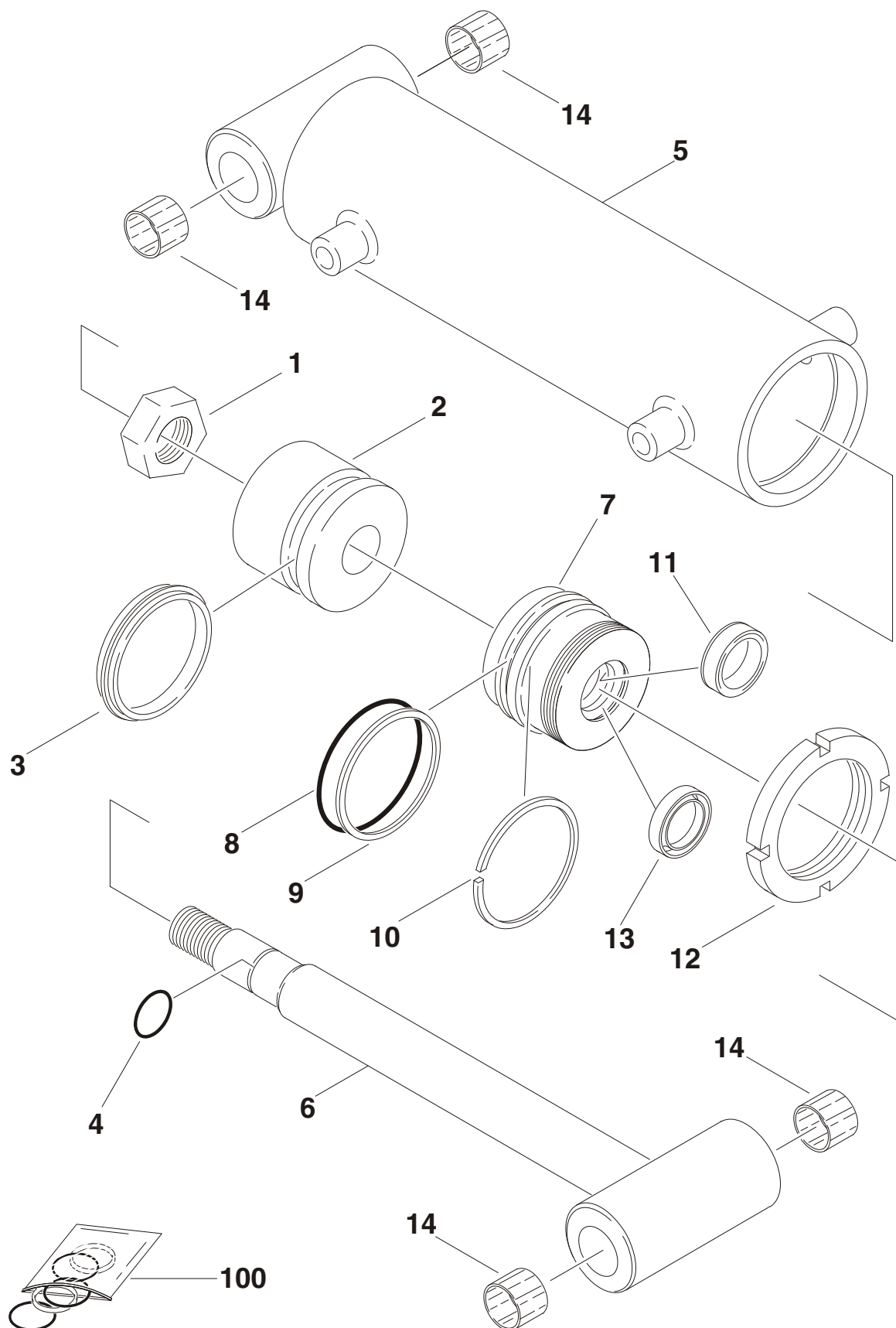
FIGURE 5-6. STEER CYLINDER ASSEMBLY (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683616	Ref.	STEER CYLINDER ASSEMBLY	B
1	7017210	1	Locknut	
2	7017211	1	Piston	
3	Use Item 100	1	Seal	
4	Use Item 100	1	O-Ring	
5	7017228	1	Barrel Weldment	
6	7017229	1	Rod Weldment	
7	7017213	1	Head	
8	Use Item 100	1	O-Ring	
9	Use Item 100	1	Ring, Back-up	
10	Use Item 100	1	Ring, Retainer	
11	Use Item 100	1	Seal	
12	7017214	1	Nut, Spanner	
13	Use Item 100	1	Wiper	
14	0961977	4	Bushings	

100	7017215	1	Seal Kit (Includes Items 3, 4, 8-11 & 13)	

SECTION 5 CYLINDER

FIGURE 5-7. STEER CYLINDER ASSEMBLY (S/N 85132 TO PRESENT)



SECTION 5 CYLINDER

FIGURE 5-7. STEER CYLINDER ASSEMBLY (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683208	Ref	STEER CYLINDER ASSEMBLY	C
1	7001626	1	Locknut	
2	7001627	1	Piston	
3	Use Item 100	1	Seal	
4	Use Item 100	1	O-Ring	
5	Not Serviced	1	Barrel Weldment	
6	7001633	1	Rod Weldment	
7	7001629	1	Head	
8	Use Item 100	1	O-Ring	
9	Use Item 100	1	Ring, Back-up	
10	Use Item 100	1	Ring, Retainer	
11	Use Item 100	1	Seal, Lip	
12	7001630	1	Nut, Spanner	
13	Use Item 100	1	Wiper	
14	0961977	4	Bushings	

100	7001625	1	Seal Kit - 1683208 (Includes Items 3, 4, 8-11 & 13)	

SECTION 5 CYLINDER

FIGURE 5-8. TELESCOPE CYLINDER ASSEMBLY

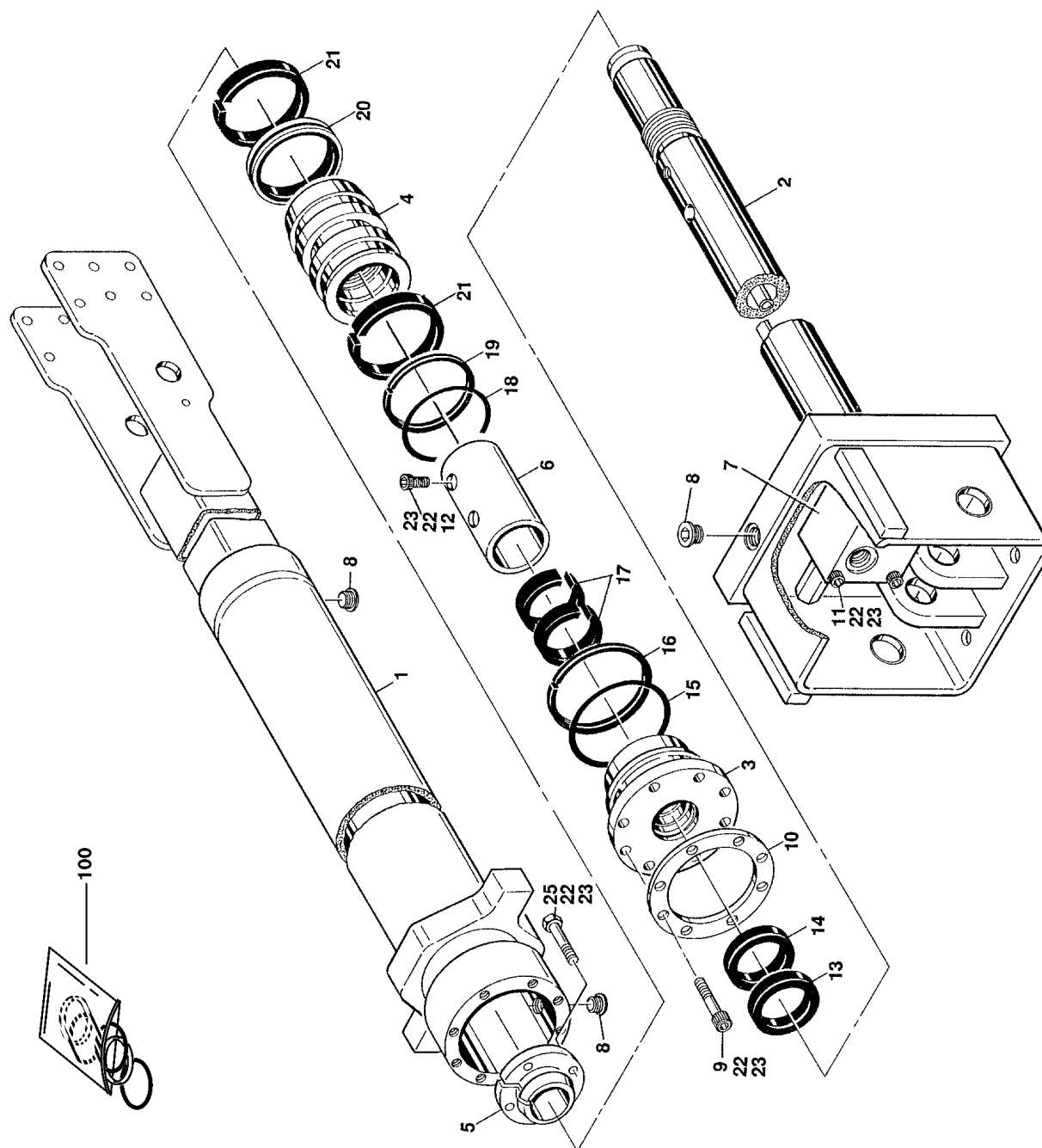


FIGURE 5-8. TELESCOPE CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683618	Ref.	TELESCOPE CYLINDER ASSEMBLY	3
1	1683619	1	Barrel	
2	1683250	1	Rod	
3	1683057	1	Head	
4	3480205	1	Piston	
5	0961897	1	Bushing, Tapered	
6	4566644	1	Spacer, Tube	
7	4641028	1	Valve Block Assembly	
8	2220885	6	Plug, O-Ring	
9	3931620	8	Capscrew 3/8"-16NC x 1 1/4"	
10	3760369	1	Washer, Ring	
11	3931448	4	Capscrew 1/4"-20NC x 3"	
12	3931508	1	Capscrew 5/16"-18NC x 1/2"	
13	Use Item 100	1	Wiper	
14	Use Item 100	1	Seal, Rod	
15	Use Item 100	1	O-Ring	
16	Use Item 100	1	Ring, Back-up	
17	Use Item 100	2	Ring, Wear	
18	Use Item 100	1	O-Ring	
19	Use Item 100	2	Ring, Back-up	
20	Use Item 100	1	T-Seal	
21	Use Item 100	2	Ring, Wear	
22	0100011	A/R	Loctite #242	
23	0100038	A/R	Primer, Locking	
24	Not Used			
25	0630535	3	Bolt 1/4"-20NC x 1 1/8"	

100	2901284	1	Seal Kit (Includes Items 13-21)	

FIGURE 5-9. CYLINDER BELLOWS INSTALLATIONS

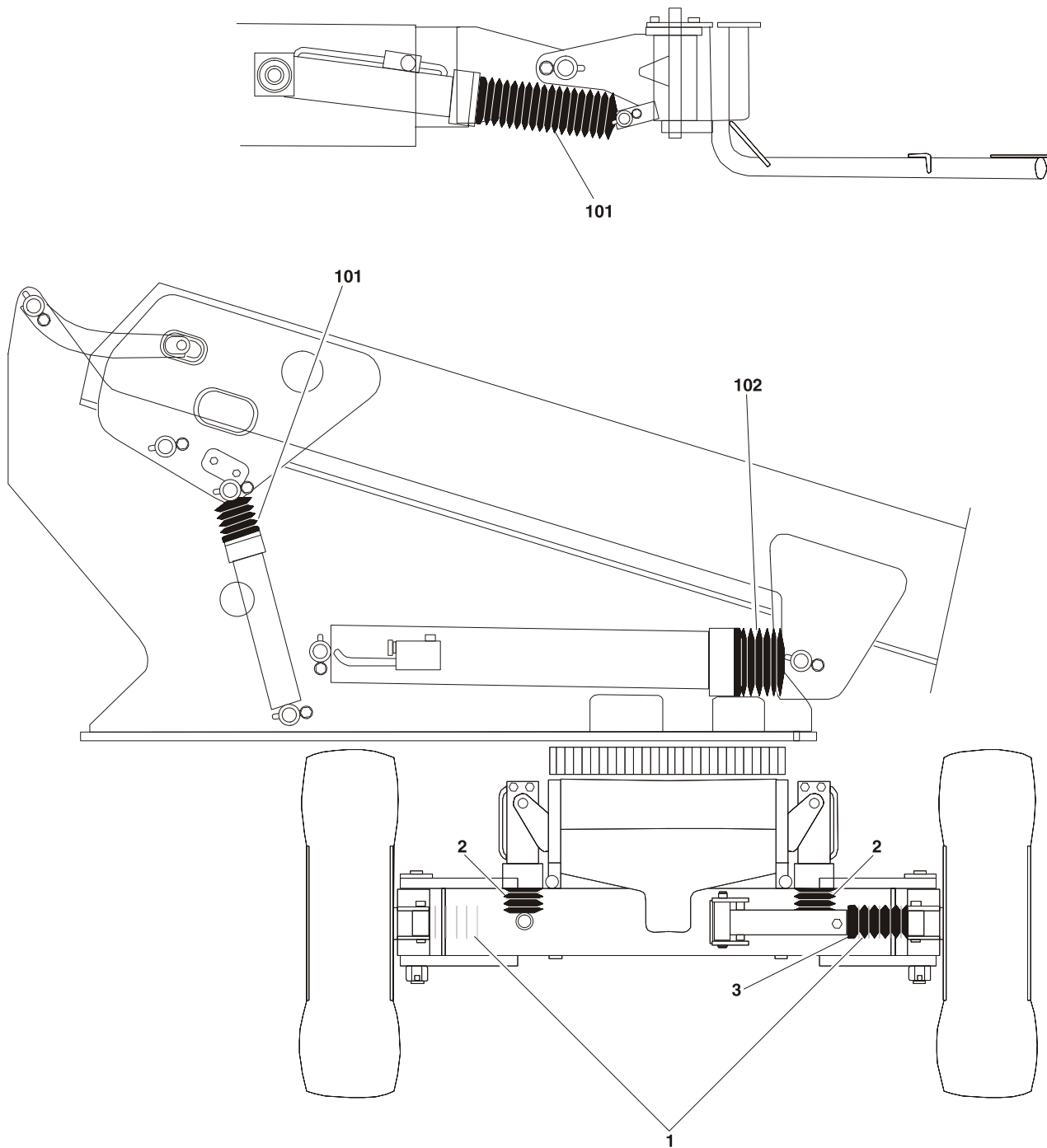


FIGURE 5-9. CYLINDER BELLOWS INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	BELLOWS INSTALLATION - FRAME OPTIONS:	
	0258790	Ref.	Oscillating Axle (Prior to S/N 85132)	3
	0255354	Ref.	Oscillating Axle (S/N 85132 to Present)	
	0259429	Ref.	Fixed Axle (S/N 43200 to Present)	1
1		1	Bellows, Cylinder (Steer Cylinder)	
	0460075		Prior to S/N 85132	
	0460150		S/N 85132 to Present	
2		2	Bellows, Cylinder (Lockout Cylinder) Options:	
	0460159		Oscillating Axle (Prior to S/N 85132)	
	0460150		Oscillating Axle (S/N 85132 to Present)	
	Not Required		Fixed Axle	
3	1320058	2	Clamp (S/N 42670 to Present)	
	0255929	Ref.	BELLOWS INSTALLATION - TURNTABLE	
101	0460152	2	Bellows, Cylinder (Master Cylinder)	
102	0460153	1	Bellows, Cylinder (Lift Cylinder)	

SECTION 5 CYLINDER

FIGURE 5-9. CYLINDER BELLOWS INSTALLATIONS (CONTINUED)

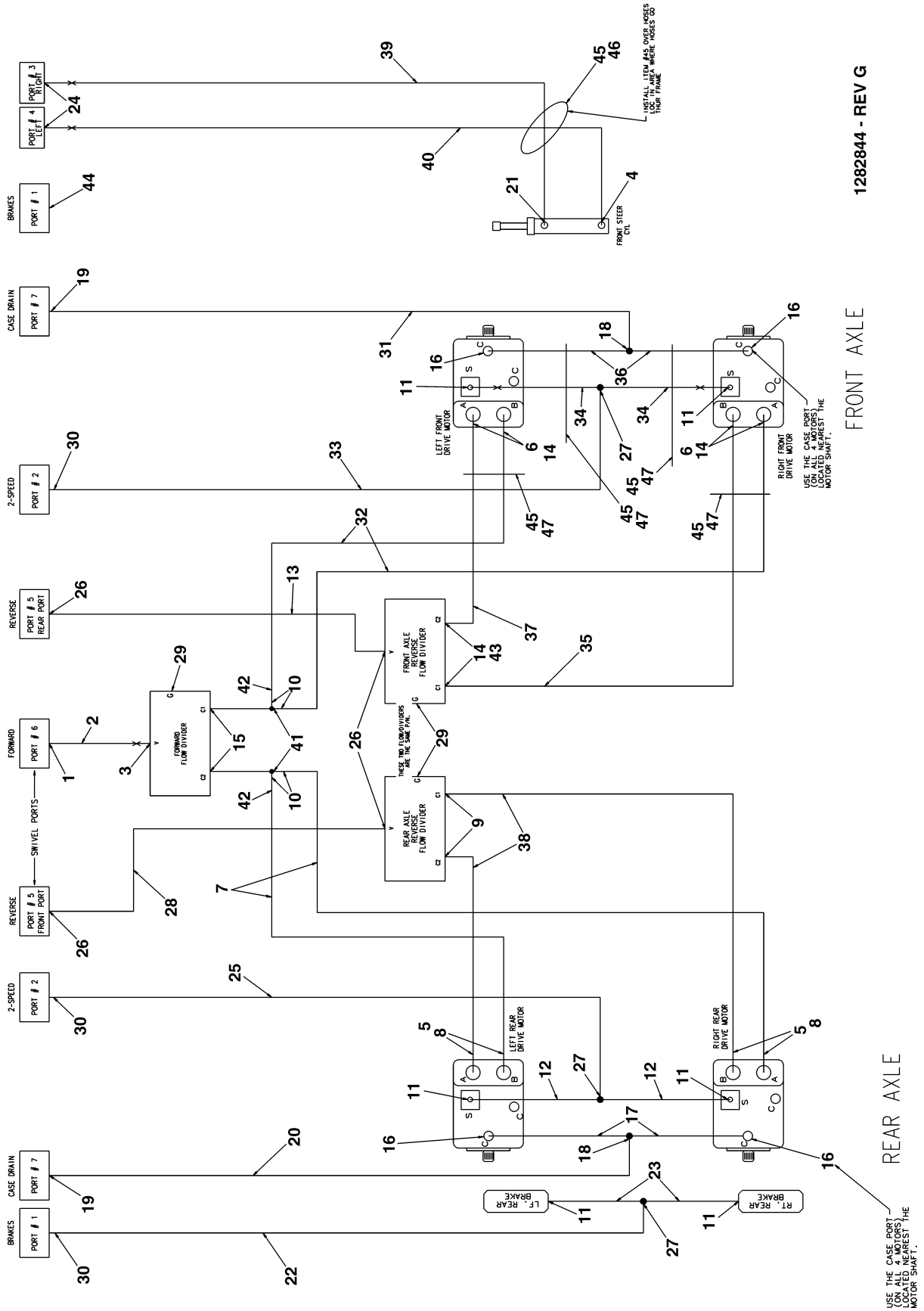
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 6

HYDRAULIC

SECTION 6 HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM - DRIVE & STEER (PRIOR TO S/N 85132)



SECTION 6 HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM - DRIVE & STEER (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	HYDRAULIC DIAGRAMS - DRIVE & STEER	
	2792336	Ref.	HYDRAULIC DIAGRAMS - MODEL 601S	3
	2792388	Ref.	HYDRAULIC DIAGRAMS - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE"	1
1	2220646	1	Fitting, 90°	
2	2752322	1	Hose	
3	2220377	1	Fitting, Straight	
4	2220501	1	Fitting, 45°	
5	2220622	4	Fitting, Reducer	
6	2220500	4	Fitting, 45°	
7	2752398	2	Hose	
8	2220465	4	Fitting, 90°	
9	2220800	2	Fitting, Straight	
10	2220622	4	Fitting, Reducer	
11	2220466	6	Fitting, 90°	
12	2751013	2	Hose	
13	2752256	1	Hose	
14	2220833	6	Fitting, Reducer	
15	2220550	2	Fitting, Reducer	
16	2220671	4	Fitting, 90°	
17	2752807	2	Hose	
18	2220362	2	Fitting, Tee	
19	2220375	2	Fitting, Straight	
20	2752812	1	Hose	
21	2220473	1	Fitting, 90°	
22	2752584	1	Hose	
23	2752592	2	Hose	
24	2220371	2	Fitting, Straight	
25	2751016	1	Hose	
26	2220435	4	Fitting, Straight	
27	2220504	3	Fitting, Tee	
28	2752249	1	Hose	
29	2220235	3	Fitting, Plug	
30	2220582	3	Fitting, Straight	
31	2752810	1	Hose	
32	2752889	2	Hose	
33	2751021	1	Hose	
34	2752918	2	Hose	
35	2752888	1	Hose	
36	2752901	2	Hose	
37	2752893	1	Hose	
38	2752389	2	Hose	
39	2751114	1	Hose	
40	2750909	1	Hose	
41	2220738	2	Fitting, Tee	
42	2220386	2	Fitting, 90°	
43	2220596	2	Fitting, 90°	
44	2220237	1	Fitting, Plug	

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FIGURE 6-1. HYDRAULIC DIAGRAM - DRIVE & STEER (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	4100026	1ft/0.3m	Sleeve, Nylon	
46	4240033	2	Strap, Tie	
47	4240018	12	Strap, Tie (Model - 601S With A "Enhanced Hostile Environment Package" Machines Only)	

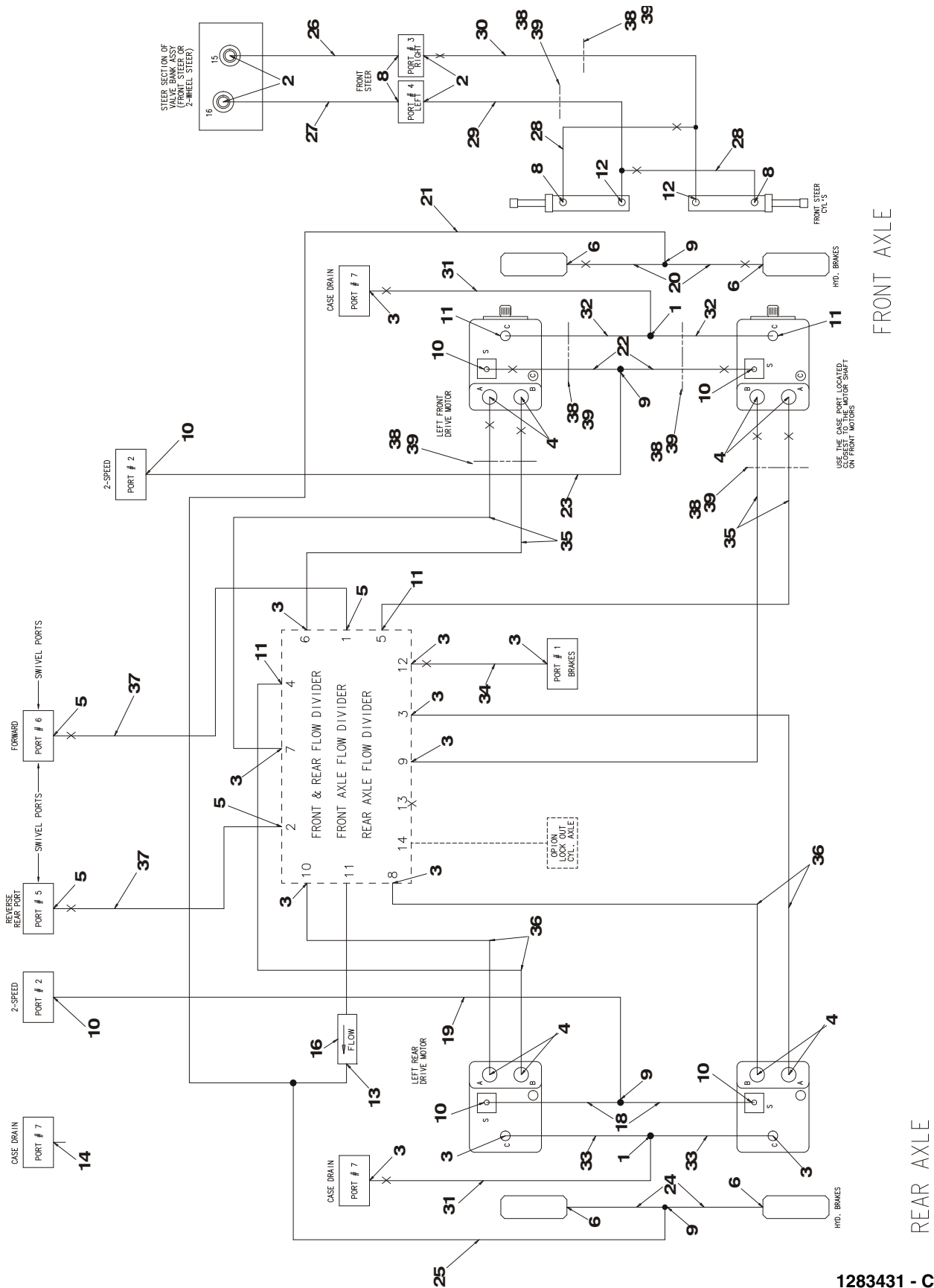
SECTION 6 HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM - DRIVE & STEER (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-2. HYDRAULIC DIAGRAM - DRIVE & STEER (S/N 85132 TO PRESENT)



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FIGURE 6-2. HYDRAULIC DIAGRAM - DRIVE & STEER (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	HYDRAULIC DIAGRAMS - DRIVE & STEER	
	2792695	Ref.	HYDRAULIC DIAGRAMS - MODEL 601S	2
	2792696	Ref.	HYDRAULIC DIAGRAMS - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE"	2
1	2220362	2	Fitting, Tee	
2	2220371	4	Fitting, Straight	
3	2220373	12	Fitting, Straight	
4	2220375	8	Fitting, Straight	
5	2220377	4	Fitting, Straight	
6	2220415	4	Fitting, Straight	
7	Not Used			
8	2220473	4	Fitting, 90°	
9	2220504	4	Fitting, Tee	
10	2220582	6	Fitting, Straight	
11	2220596	4	Fitting, 90°	
12	2220606	2	Fitting, Tee	
13	2220861	1	Fitting, Tee	
14	2220237	1	Fitting, Plug	
15	Not Used			
16	4641284	1	Valve, Check	
17	Not Used			
18	2753925	2	Hose	
19	2753924	1	Hose	
20	2753926	2	Hose	
21	2752909	1	Hose	
22	2752574	2	Hose	
23	2752977	1	Hose	
24	2752592	2	Hose	
25	2752910	1	Hose	
26	2752478	1	Hose	
27	2752632	1	Hose	
28	2753397	2	Hose	
29	2752475	1	Hose	
30	2752611	1	Hose	
31	2752928	2	Hose	
32	2753928	2	Hose	
33	2753929	2	Hose	
34	2752929	1	Hose	
35	2753931	4	Hose	
36	2753930	4	Hose	
37	2752331	2	Hose	
38	4100026	14ft/4.3m	Sleeve, Nylon (Model - 601S With A "Enhanced Hostile Environment Package" Machines Only)	
39	4240018	12	Strap, Tie (Model - 601S With A "Enhanced Hostile Environment Package" Machines Only)	

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FIGURE 6-3. HYDRAULIC DIAGRAM - OSCILLATING AXLE (PRIOR TO S/N 85132)

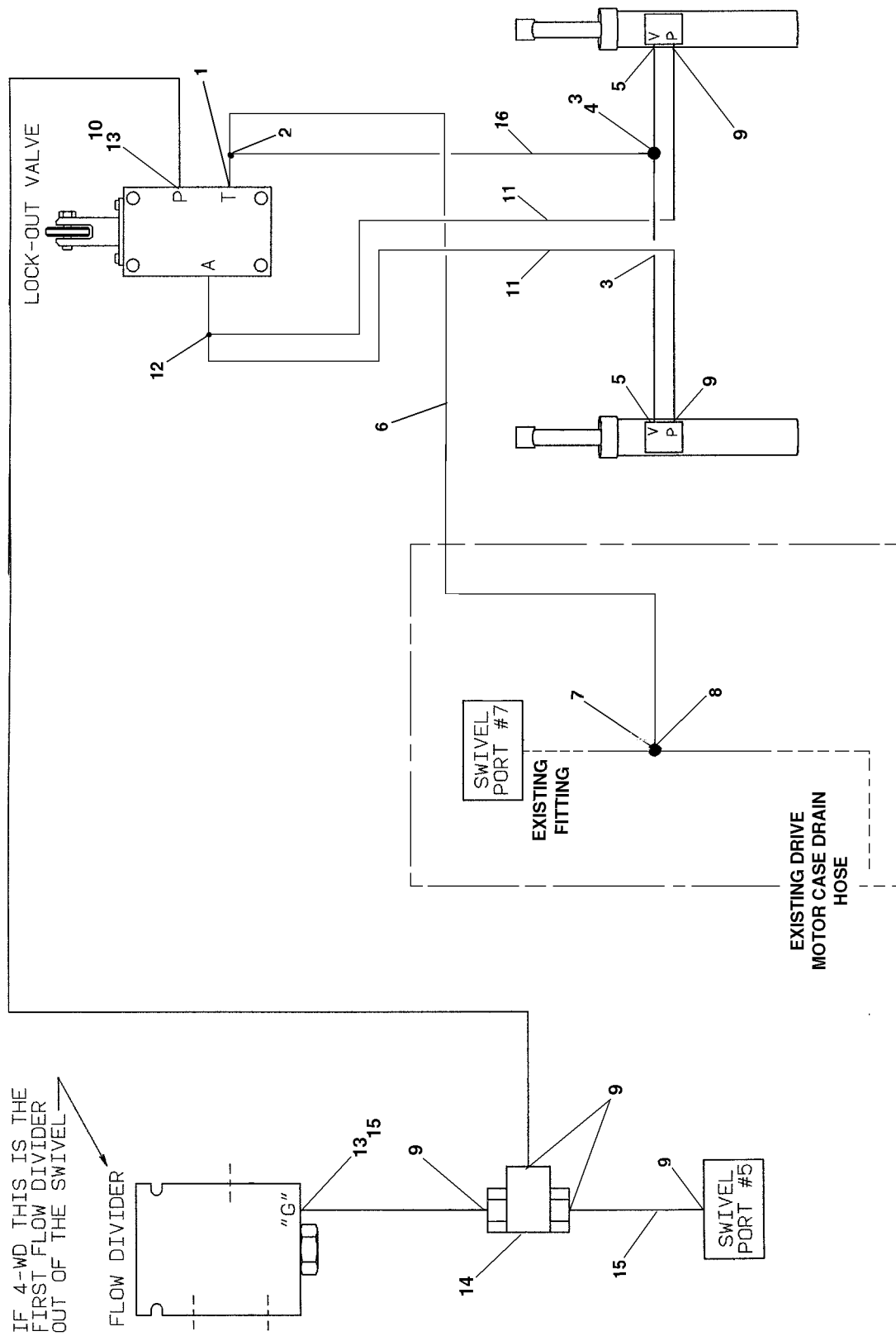
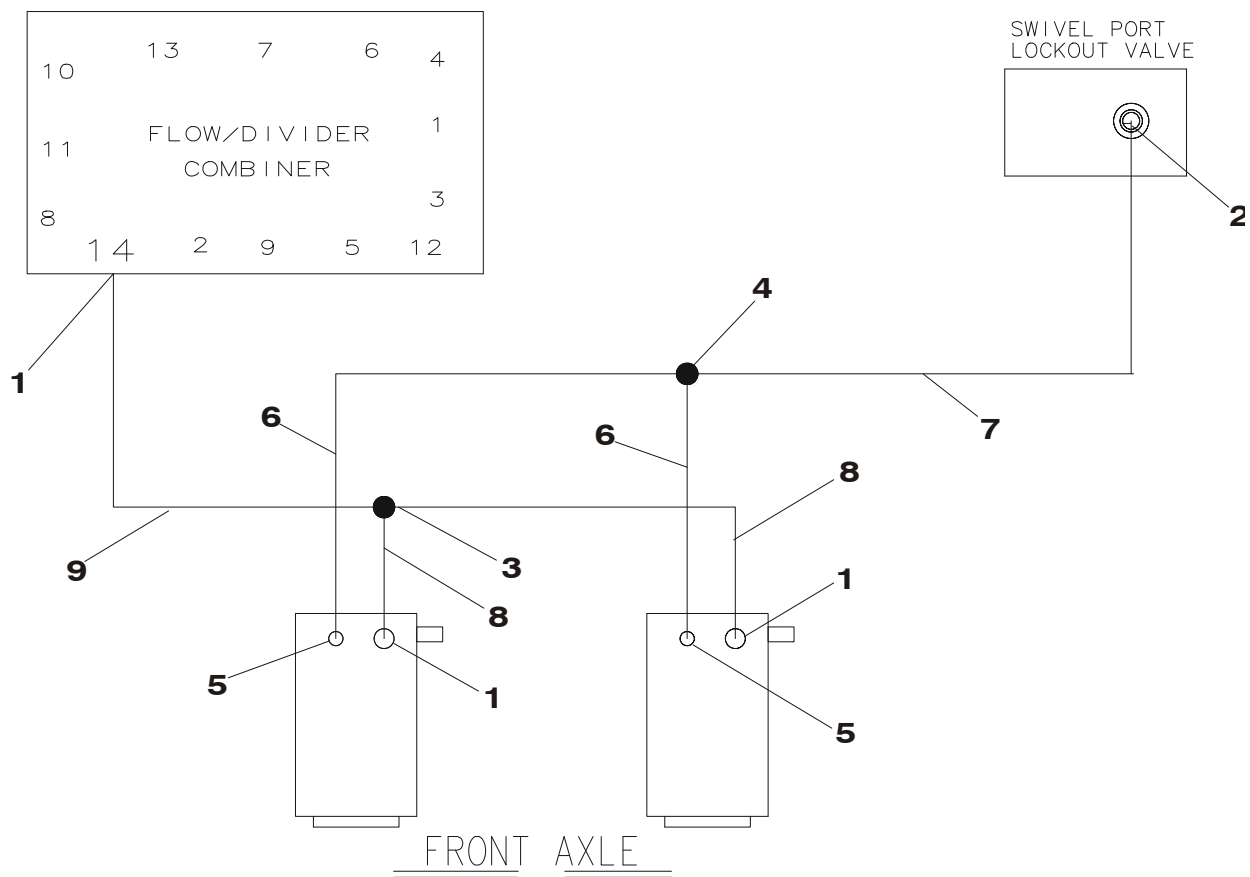


FIGURE 6-3. HYDRAULIC DIAGRAM - OSCILLATING AXLE (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	HYDRAULIC DIAGRAMS - OSCILLATING AXLE	
	2792360	Ref.	HYDRAULIC DIAGRAM - MODEL 601S	1/B
	2792389	Ref.	HYDRAULIC DIAGRAM - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE"	1/B
1	2220603	1	Fitting, Straight	
2	2220365	1	Fitting, Tee	
3	2752474	2	Hose	
4	2220490	1	Fitting, Tee	
5	2220371	2	Fitting, Straight	
6	2752823	1	Hose	
7	2220385	1	Fitting, Tee	
8	2220619	1	Fitting, Reducer	
9	2220582	6	Fitting, Straight	
10	2751397	1	Hose	
11	2752920	2	Hose	
12	2220711	1	Fitting, Tee	
13	2220415	2	Fitting, Straight	
14	4640939	1	Valve, Shuttle	
15	2751020	2	Hose	
16	2752822	1	Hose	
17	4100026	2.66ft	Sleeve, Nylon (Model 601S With A "Enhanced Hostile Environment Package" Machines Only) (Not Shown)	
18	4240018	4	Strap, Tie (Model 601S With A "Enhanced Hostile Environment Package" Machines Only) (Not Shown)	

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FIGURE 6-4. HYDRAULIC DIAGRAM - OSCILLATING AXLE (S/N 85132 TO PRESENT)



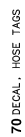
SECTION 6 HYDRAULIC

FIGURE 6-4. HYDRAULIC DIAGRAM - OSCILLATING AXLE (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792612	Ref	DRIVE HYDRAULIC DIAGRAM - OSCILLATING AXLE	1
1	2220371	3	Fitting, Straight	
2	2220468	1	Fitting, Straight	
3	2220490	1	Fitting, Tee	
4	2220504	1	Fitting, Tee	
5	2220415	2	Fitting, Straight	
6	2751434	2	Hose	
7	2751410	1	Hose	
8	2753933	2	Hose	
9	2752462	1	Hose	

6-12

601S



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FIGURE 6-5. HYDRAULIC DIAGRAM - W/HYDRAULIC WELDER (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792537	Ref.	HYDRAULIC DIAGRAMS - W/WELDER	3
1	2220377	2	Fitting, Straight	
2	2752752	1	Hose	
3	2220380	3	Fitting, Straight	
4	2220377	2	Fitting, Straight	
5	2220578	5	Fitting, 90°	
6	2752653	1	Hose	
7	2220408	1	Fitting, Straight	
8	2220628	3	Fitting, 90°	
9	2220371	5	Fitting, Straight	
10	2752981	1	Hose	
11	2752478	1	Hose	
12	2220409	1	Fitting, 45°	
13	2220810	1	Fitting, Reducer	
14	4640744	1	Valve, Check	
15	2752515	2	Hose	
16	2752654	1	Hose	
17	2220582	5	Fitting, Straight	
18	2751427	2	Hose	
19	2220415	9	Fitting, Straight	
20	2220605	1	Fitting, Tee	
21	2752573	1	Hose	
22	2752594	1	Hose	
23	2220646	2	Fitting, 90°	
24	2752340	2	Hose	
25	2220235	1	Fitting, Plug	
26	2220375	2	Fitting, Straight	
27	2220385	1	Fitting, Tee	
28	2752514	1	Hose	
29	2752591	2	Hose	
30	2752783	1	Hose	
31	2220921	1	Fitting, Reducer	
32	2220594	1	Fitting	
33	2220372	2	Fitting, Straight	
34	2752631	1	Hose	
35	2752632	2	Hose	
36	2220373	7	Fitting, Straight	
37	2752515	1	Hose	
38	2752643	1	Hose	
39	2220466	5	Fitting, 90°	
40	2752633	2	Hose	
41	2220472	4	Fitting, 90°	
42	2220947	2	Fitting, Straight	
43	2752762	1	Hose	
44	2220873	4	Fitting, Straight	
45	2220428	4	Coupling	
46	2220429	4	Cover, Dust	
47	2220618	1	Fitting, Reducer	

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FIGURE 6-5. HYDRAULIC DIAGRAM - W/HYDRAULIC WELDER (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
48	2752763	2	Hose	
49	2220906	2	Fitting, 90°	
50	2220948	1	Fitting, Tee	
51	2220949	1	Fitting, Reducer	
52	2752580	1	Hose	
53	2752463	2	Hose	
54	2220603	4	Fitting, Straight	
55	2220909	1	Fitting, Restrictor	
56	2752444	2	Hose	
57	2220497	2	Fitting, Straight	
58	2752753	2	Hose	
59	2751396	1	Hose	
60	2220479	1	Fitting, Straight	
61	2220473	3	Fitting, 90°	
62	2752599	1	Hose	
63	2220950	2	Fitting, 45°	
64	2752517	1	Hose	
65	2220974	1	Fitting, Straight	
66	2752598	2	Hose	
67	0100011	A/R	Loctite #242	
68	0100038	A/R	Loctite Primer	
69	2220386	1	Fitting, 90°	
70	1703533	2	Decal	
71	4640757	1	Valve	
72	2220374	3	Fitting, Straight	
73	2220651	1	Fitting, Straight	
74	4240018	7	Tie Strap	
75	2220451	2	Fitting	
76	2220700	3	Fitting, Tee	
77	2220622	2	Fitting, Reducer	
78	2220621	1	Fitting, Reducer	
79	4640774	1	Valve, Check	
80	Not Used			
81	2220596	2	Fitting, Straight	
82	Not Used			
83	2752513	2	Hose	
84	2751467	1	Hose	
85	2751353	1	Hose	
86	2751324	1	Hose	
87	2220895	1	Fitting, Straight	
88	2752627	1	Hose	
89	4641215	1	Valve, Needle	
90	2220498	1	Fitting	

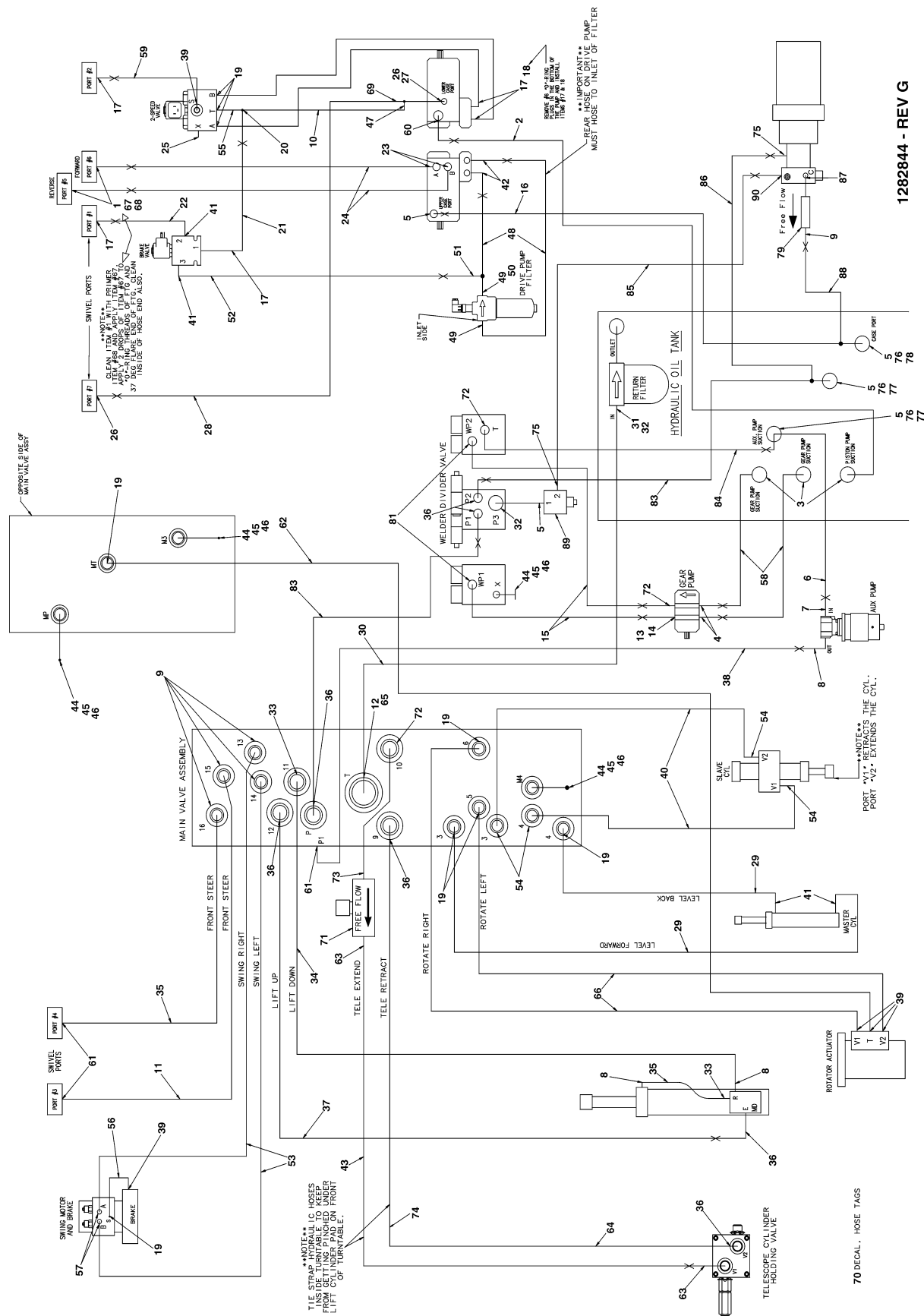
SECTION 6 HYDRAULIC

FIGURE 6-5. HYDRAULIC DIAGRAM - W/HYDRAULIC WELDER (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-6. HYDRAULIC DIAGRAM - STANDARD (PRIOR TO S/N 85132)



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FIGURE 6-6. HYDRAULIC DIAGRAM - STANDARD (PRIOR TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792335	Ref.	DRIVE HYDRAULIC DIAGRAM - STANDARD	2
1	2220377	2	Fitting, Straight	
2	2752752	1	Hose	
3	2220380	2	Fitting, Straight	
4	2220376	1	Fitting, Straight	
5	2220578	3	Fitting, 90°	
6	2752653	1	Hose	
7	2220408	1	Fitting, Straight	
8	2220628	3	Fitting, 90°	
9	2220371	4	Fitting, 90°	
10	2752981	1	Hose	
11	2752478	1	Hose	
12	2220409	1	Fitting, 45°	
13	2220810	1	Fitting, Reducer	
14	4640744	1	Valve, Check	
15	2752504	1	Hose	
16	2752654	1	Hose	
17	2220582	5	Fitting, Straight	
18	2751427	2	Hose	
19	2220415	9	Fitting, Straight	
20	2220605	1	Fitting, Tee	
21	2752573	1	Hose	
22	2752594	1	Hose	
23	2220646	2	Fitting, 90°	
24	2752340	2	Hose	
25	2220235	1	Fitting, Plug	
26	2220375	2	Fitting, Straight	
27	2220385	1	Fitting, Tee	
28	2752514	1	Hose	
29	2752591	2	Hose	
30	2752783	1	Hose	
31	2220921	1	Fitting, Reducer	
32	2220498	1	Fitting, 45°	
33	2220372	2	Fitting, Straight	
34	2752631	1	Hose	
35	2752632	2	Hose	
36	2220373	5	Fitting, Straight	
37	2752515	1	Hose	
38	2752643	1	Hose	
39	2220466	5	Fitting, 90°	
40	2752633	2	Hose	
41	2220472	4	Fitting, 90°	
42	2220947	2	Fitting, Straight	
43	2752762	1	Hose	
44	2220873	3	Fitting, Nipple	
45	2220428	3	Fitting, Quick Coupling	
46	2220429	3	Cap, Dust	
47	2220618	1	Fitting, Reducer	

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FIGURE 6-6. HYDRAULIC DIAGRAM - STANDARD (PRIOR TO S/N 85132) (CONTINUED)

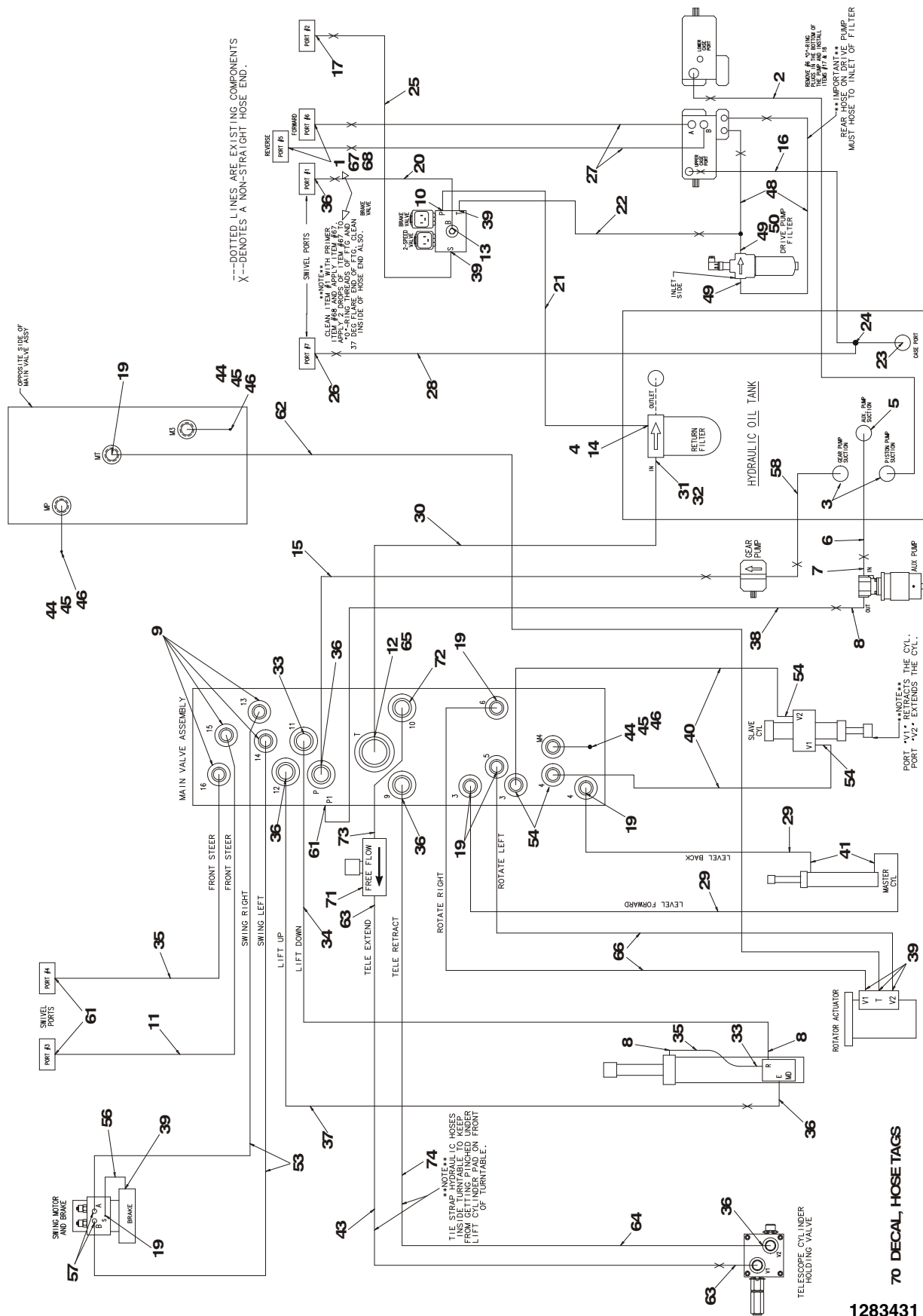
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
48	2752763	2	Hose	
49	2220906	2	Fitting, 90°	
50	2220948	1	Fitting, Tee	
51	2220949	1	Fitting, Reducer	
52	2752580	1	Hose	
53	2752463	2	Hose	
54	2220603	4	Fitting, Reducer	
55	2220909	1	Fitting, Restrictor	
56	2752444	1	Hose	
57	2220497	2	Fitting, Straight	
58	2752753	1	Hose, Suction	
59	2751396	1	Hose	
60	2220479	1	Fitting, Straight	
61	2220473	3	Fitting, 90°	
62	2752599	1	Hose	
63	2220950	2	Fitting, 45°	
64	2752517	1	Hose	
65	2220974	1	Fitting, Long Straight	
66	2752598	2	Hose	
67	0100011	A/R	Loctite #242	
68	0100038	A/R	Loctite, Primer	
69	2220386	1	Fitting, 90°	
70	1703533	2	Decal, Hose Tags (Not Shown)	
71	4640757	1	Valve	
72	2220374	1	Fitting, Straight	
73	2220651	1	Fitting, Straight	
74	4240018	7	Strap, Tie	

FIGURE 6-6. HYDRAULIC DIAGRAM - STANDARD (PRIOR TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-7. HYDRAULIC DIAGRAM - STANDARD (S/N 85132 TO PRESENT)



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SECTION 6 HYDRAULIC

FIGURE 6-7. HYDRAULIC DIAGRAM - STANDARD (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DRIVE HYDRAULIC DIAGRAM - STANDARD	
	2792694	Ref.	Prior to S/N 93294	3
	2792728	Ref.	S/N 93294 to Present	1
1	2220377	2	Fitting, Straight	
2	2752752	1	Hose	
3	2220380	2	Fitting, Straight	
4	0100020	A/R	Sealant, Pipe	
5	2220578	1	Fitting, 90°	
6	2752653	1	Hose	
7	2220408	1	Fitting, Straight	
8	2220628	3	Fitting, 90°	
9	2220371	4	Fitting, 90°	
10	2220474	1	Fitting, 90°	
11	2752478	1	Hose	
12	2220409	1	Fitting, 45°	
13	2220596	1	Fitting, 90°	
14	2220574	1	Fitting, 90°	
15	2752504	1	Hose	
16	2752654	1	Hose	
17	2220582	1	Fitting, Straight	
18	Not Used			
19	2220415	6	Fitting, Straight	
20	2752502	1	Hose	
21	2753325	1	Hose	
22	2753957	1	Hose	
23	2220738	1	Fitting, Tee	
24	2220407	1	Fitting, 90°	
25	2751396	1	Hose	
26	2220375	1	Fitting, Straight	
27	2752340	2	Hose	
28	2753968	1	Hose	
29	2752591	2	Hose	
30	2752783	1	Hose	
31	2220921	1	Fitting, Reducer	
32	2220498	1	Fitting, 45°	
33	2220372	2	Fitting, Straight	
34	2752631	1	Hose	
35	2752632	2	Hose	
36	2220373	6	Fitting, Straight	
37	2752515	1	Hose	
38	2752643	1	Hose	
39	2220466	6	Fitting, 90°	
40	2752633	2	Hose	
41	2220472	2	Fitting, 90°	
42	Not Used			
43	2752762	1	Hose	
44	2220873	3	Fitting, Nipple	
45	2220428	3	Fitting, Quick Coupling	

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FIGURE 6-7. HYDRAULIC DIAGRAM - STANDARD (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
46	2220429	3	Cap, Dust	
47	Not Used			
48	2752763	2	Hose	
49		2	Fitting, 90° Options:	
	2220906		Prior to S/N 93294	
	2221042		S/N 93294 to Present	
50	2220948	1	Fitting, Tee	
51 to 52	Not Used			
53	2752463	2	Hose	
54	2220603	4	Fitting, Reducer	
55	Not Used			
56	2752444	1	Hose	
57	2220497	2	Fitting, Straight	
58	2752753	1	Hose, Suction	
59 to 60	Not Used			
61	2220473	3	Fitting, 90°	
62	2752599	1	Hose	
63	2220950	2	Fitting, 45°	
64	2752517	1	Hose	
65	2220974	1	Fitting, Long Straight	
66	2752598	2	Hose	
67	0100011	A/R	Loctite #242	
68	0100038	A/R	Loctite, Primer	
69	Not Used			
70	1703533	2	Decal, Hose Tags (Not Shown)	
71	4640757	1	Valve	
72	2220374	1	Fitting, Straight	
73	2220651	1	Fitting, Straight	
74	4240018	7	Strap, Tie	

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FIGURE 6-7. HYDRAULIC DIAGRAM - STANDARD (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-8. HYDRAULIC DIAGRAM LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Note: Diagrams with asterick (*) are shown in the preceding pages. Diagrams not shown are available from JLG service department.	
	1282844*	Ref.	Drive & Steer Hydraulic Diagrams (Prior to S/N 85132):	G
	2792336	Ref.	Model 601S - 4WD/2WS Machines	3
	2792388	Ref.	Model 601S With A "Enhanced Hostile Environment Package" - 4WD/2WS Machines	1
	1283431*	Ref.	Drive & Steer Hydraulic Diagrams (S/N 85132 to Present):	A
	2792695	Ref.	Model 601S - 4WD/2WS Machines	2
	2792696	Ref.	Model 601S With A "Enhanced Hostile Environment Package" - 4WD/2WS Machines	2
		Ref.	Oscillating Axle Hydraulic Diagrams:	
	2792360*	Ref.	Model 601S Machines (Prior to S/N 85132)	1/B
	2792612*	Ref.	Model 601S Machines (S/N 85132 to Present)	1
	2792389	Ref.	Model 601S With A "Enhanced Hostile Environment Package" Machines (Prior to S/N 85132)	1/B
	2792612*	Ref.	Model 601S With A "Enhanced Hostile Environment Package" Machines (S/N 85132 to Present)	1
		Ref.	Standard Hydraulic Diagrams:	
	1282844*		Prior to S/N 85132	G
	1283431*		S/N 85132 to Present	A
		Ref.	Standard Hydraulic Schematic	
	2792338		Prior to S/N 85132	A
	2792698		S/N 85132 to Present	A

SECTION 7 ELECTRICAL

SECTION 7 ELECTRICAL

FIGURE 7-1. ELECTRICAL DIAGRAM LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Note: Diagrams with asterisks (*) are shown in the following pages. Diagrams not shown are available from the JLG Service Department.	
		Ref.	ALARM ELECTRICAL DIAGRAMS	
	4933026/1282937	Ref.	Motion Alarm	1/A
	4933025/1282937	Ref.	Travel Alarm	1/A
	4933092	Ref.	110 VOLT GENERATOR ELECTRICAL DIAGRAM (PRIOR TO S/N 62137)	1/A
	4933158	Ref.	110 VOLT GENERATOR ELECTRICAL DIAGRAM (ADE SYSTEM) (S/N 62137 TO S/N 64254)	1/A
	4933215	Ref.	110 VOLT GENERATOR ELECTRICAL DIAGRAM (ADE SYSTEM) (S/N 64254 TO S/N 82632)	1/B
	4933300	Ref.	110 VOLT GENERATOR ELECTRICAL DIAGRAM (ADE SYSTEM) (S/N 82632 TO PRESENT)	1/A
	4922385	Ref.	HARNESS, AIR CLEANER SENSOR LIGHT (LRG425 With EFI)	1/A
	3990001	1	Diode, 3 Amp	
		Ref.	LIGHTS ELECTRICAL DIAGRAM (PRIOR TO S/N 62137)	
	4933091	Ref.	Headlight/Taillight	2/B
	4922284	1	Harness (Located in Platform Console Box)	
	3740049	1	Relay	
	4933165	Ref.	Brake Lights	1/A
	4922506	1	Harness (Located in Ground Control Box)	
	3740049	1	Relay	
	4933027/1282937	Ref.	Strobe Light	1/A
		Ref.	LIGHTS ELECTRICAL DIAGRAM (ADE SYSTEM) (S/N 62137 TO PRESENT)	
	4933157	Ref.	Headlight/Taillight	2/B
	4922484	1	Harness (Located in Ground Console Box)	
	3740049	1	Relay	
	4933196	Ref.	Brake Lights	1/A
	3740049	1	Relay	
	4933027/1282937	Ref.	Strobe Light	1/A
		Ref.	STANDARD ELECTRICAL DIAGRAMS (PRIOR TO S/N 62137)	
	4933008	Ref.	Deutz Machines	5/E
	4933081	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package"	3/D
	4933030	Ref.	Ford Machines (LRG425 With Carburetor)	1/A
	4933119	Ref.	Ford Machines (LRG425 With EFI)	1/A

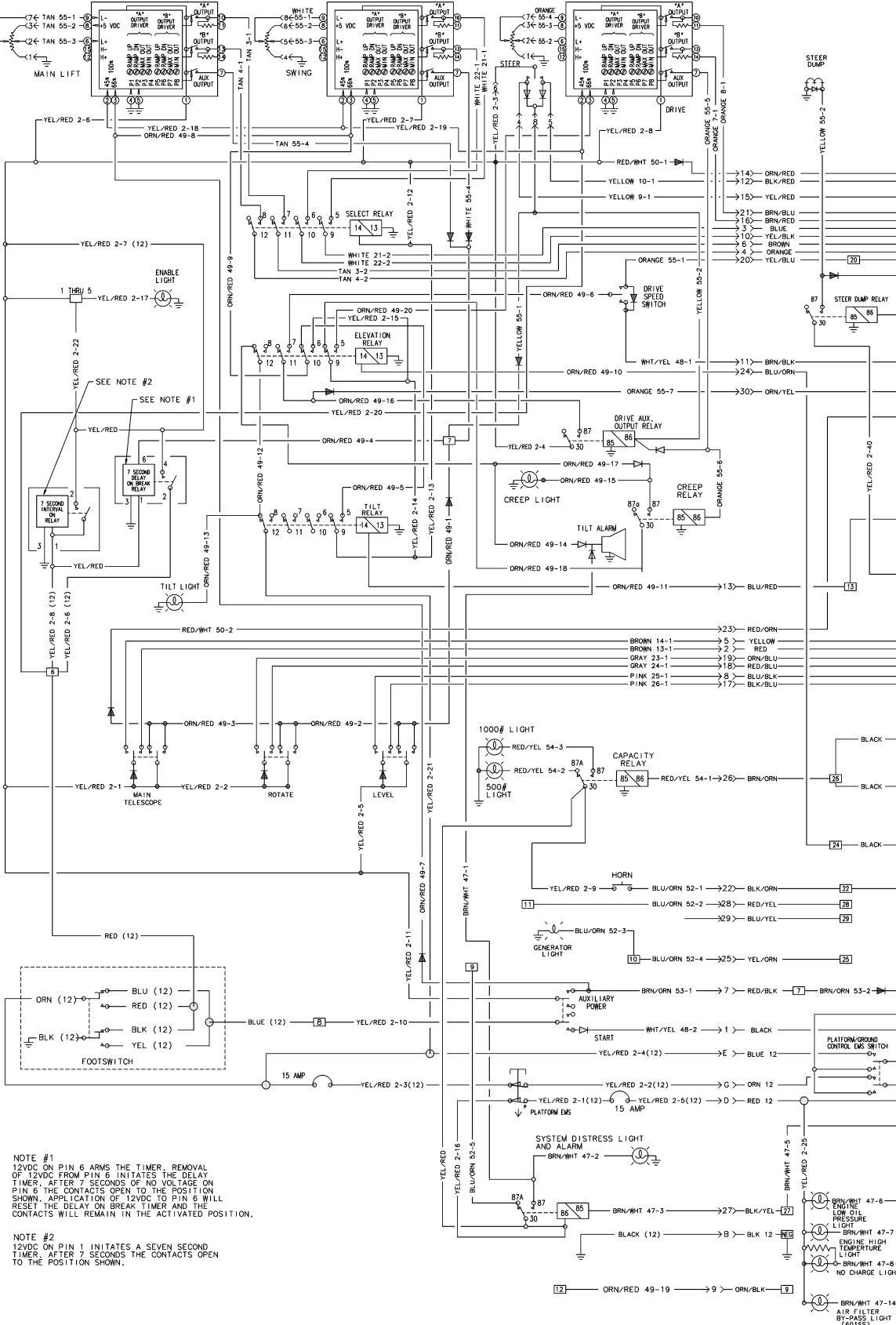
SECTION 7 ELECTRICAL

FIGURE 7-1. ELECTRICAL DIAGRAM LIST (CONTINUED)

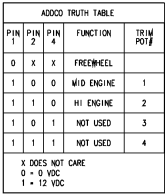
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	STANDARD ELECTRICAL DIAGRAMS (ADE SYSTEM) (S/N 62137 TO PRESENT)	
	4933159	Ref.	Deutz Machines (Prior to S/N 64398)	5/H
	4933225	Ref.	Deutz Machines (S/N 64398 to S/N 85132)	3/C
	4933318	Ref.	Deutz Machines (S/N 85132 to S/N 99060)	F
	4933366	Ref.	Deutz Machines (S/N 99060 to Present)	A
	4933160	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package" (Prior to S/N 64398)	5/G
	4933223	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package" (S/N 64398 to S/N 85132)	2/B
	4933318	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package" (S/N 85132 to S/N 99060)	F
	4933366	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package" (S/N 99060 to Present)	A
	4933161	Ref.	Ford Machines (LRG425 With EFI) (Prior to S/N 64398)	E
	4933224	Ref.	Ford Machines (LRG425 With EFI) (S/N 64398 to Present)	2/B
		Ref.	STANDARD ELECTRICAL SCHEMATIC	
	1870074*	Ref.	Deutz Machines (Prior to S/N 62137)	C
	1870077*	Ref.	Ford Machines (Prior to S/N 58209)	A
	1870127*	Ref.	Ford EFI Machines (S/N 58209 to S/N 62137)	A
	1870134	Ref.	Deutz/Ford EFI (With ADE System) (W/External Tilt) (S/N 62137 to Present)	B
	1870132*	Ref.	Deutz/Ford EFI (With ADE System) (W/Internal Tilt) (Prior to S/N 99060)	M
	1870191*	Ref.	Deutz EMR2 (S/N 85132 to S/N 99060)	G
	1870215*	Ref.	Deutz Tier 2 Engine Machines (S/N 99060 to Present)	A

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FIGURE 7-2. ELECTRICAL SCHEMATIC - DEUTZ ENGINE MACHINES (PRIOR TO S/N 62137)



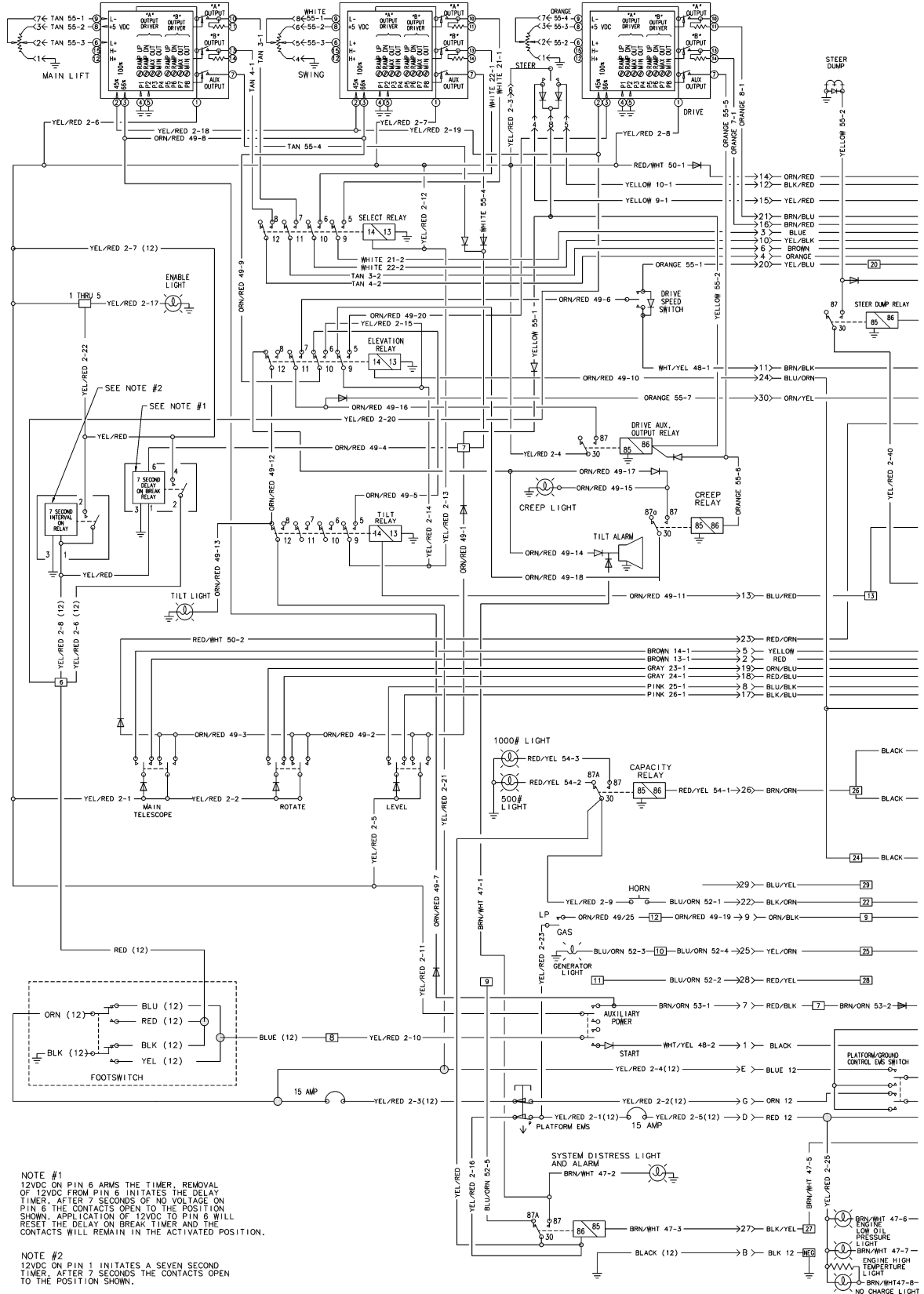
SECTION 7 ELECTRICAL



1870074 - C

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FIGURE 7-3. ELECTRICAL SCHEMATIC - FORD ENGINE MACHINES (PRIOR TO S/N 58209)



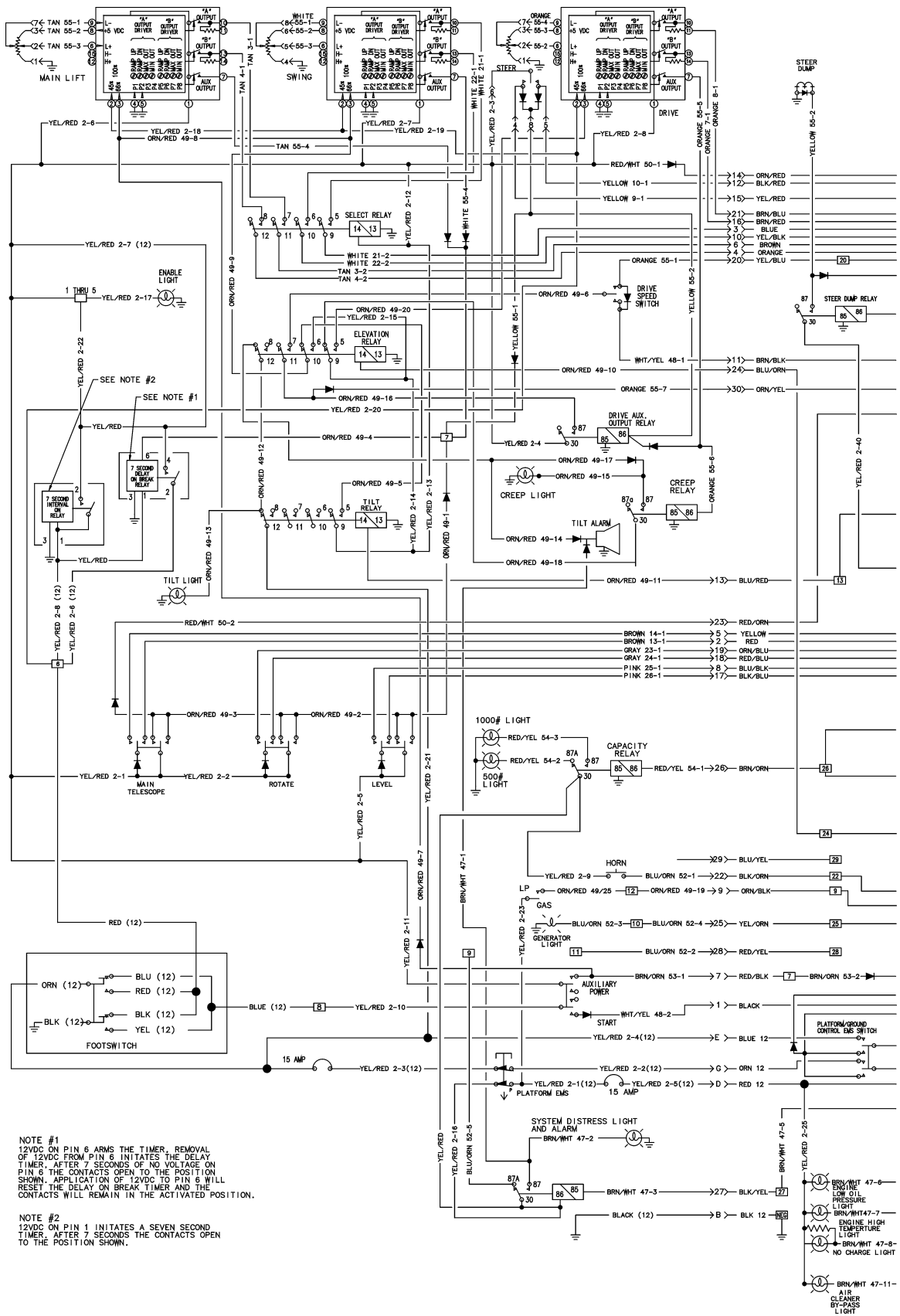
SECTION 7 ELECTRICAL



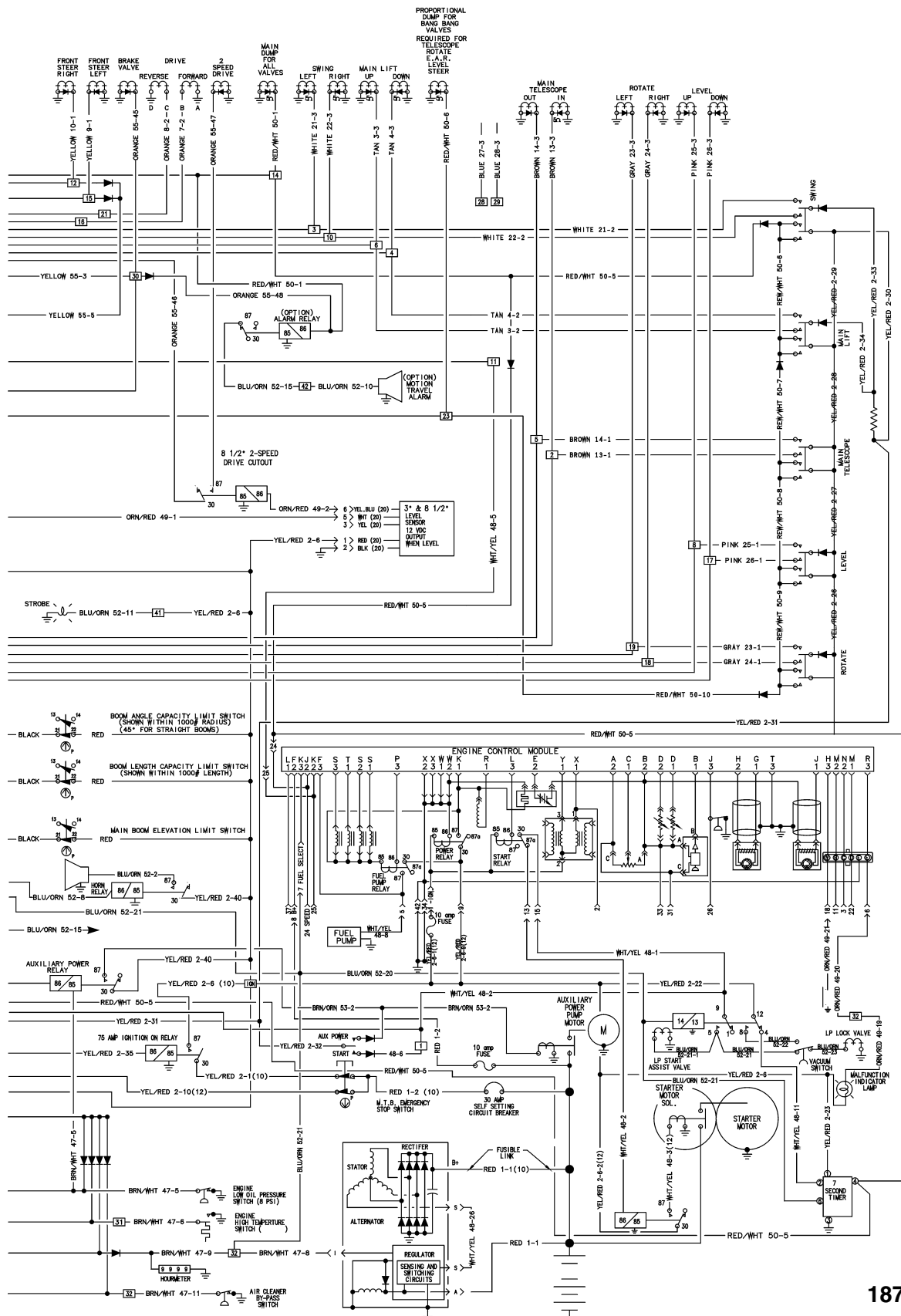
1870077 - A

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FIGURE 7-4. ELECTRICAL SCHEMATIC - FORD ENGINE MACHINES (S/N 58209 TO S/N 62137)



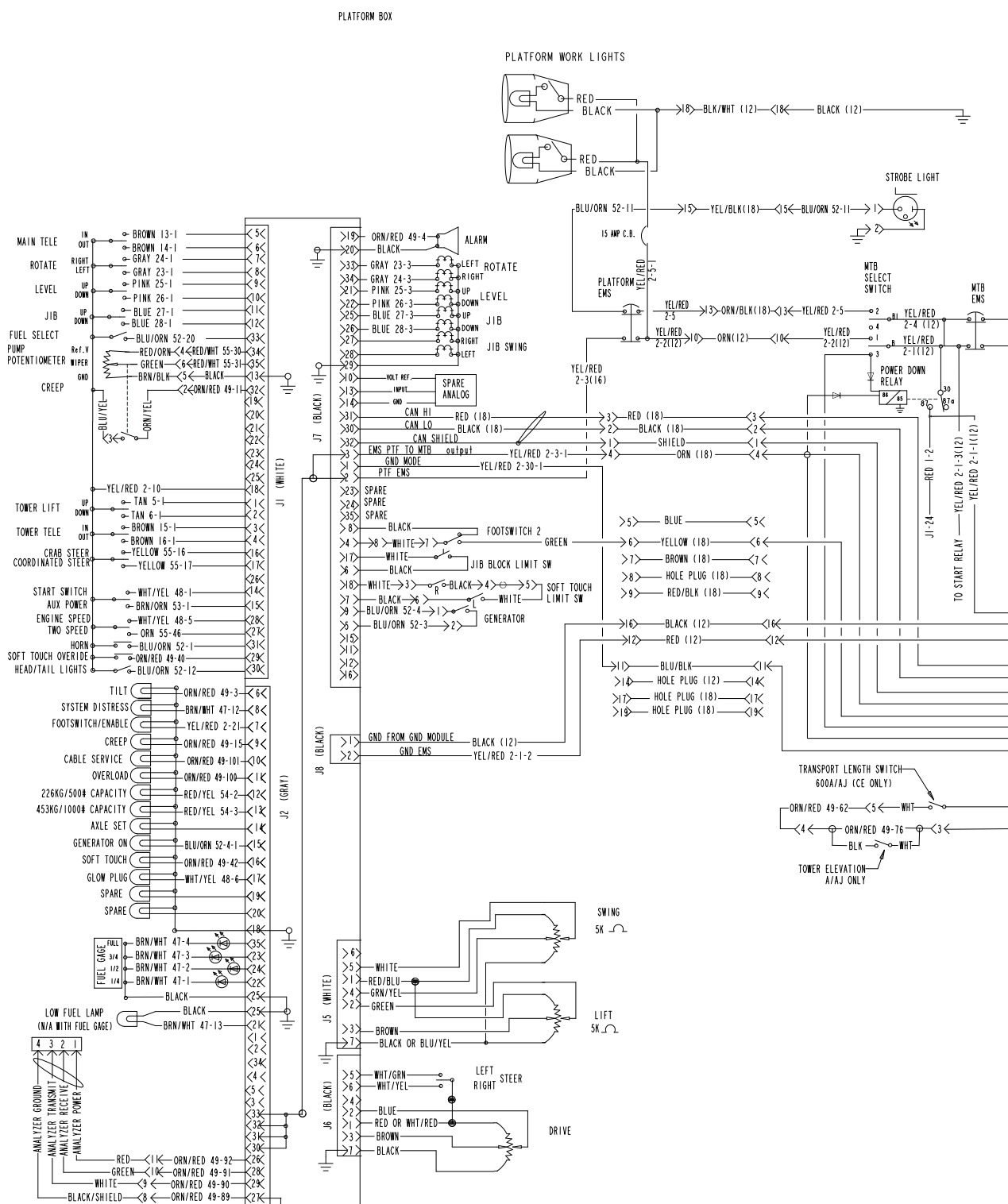
SECTION 7 ELECTRICAL



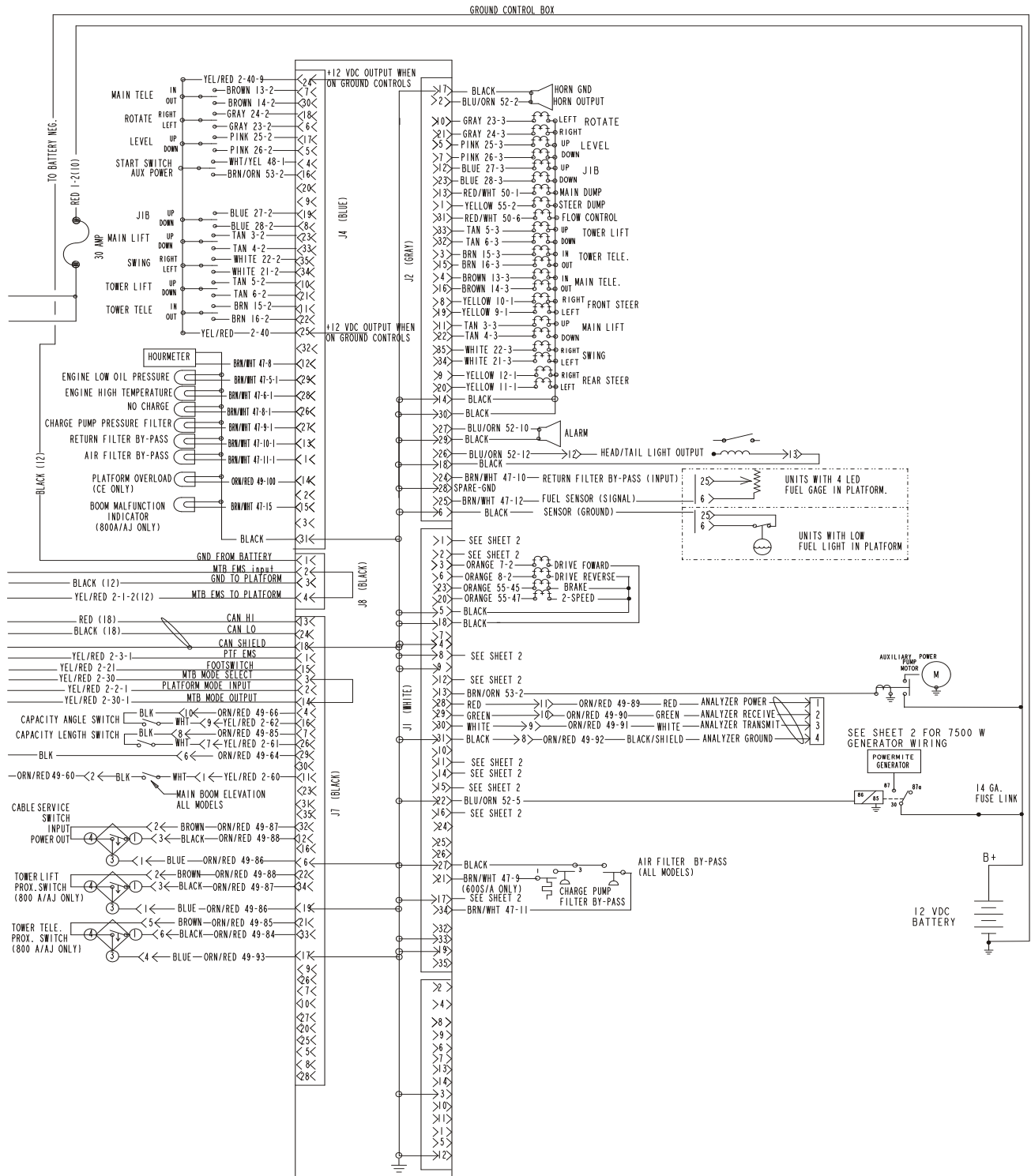
1870127 - A

SECTION 7 ELECTRICAL

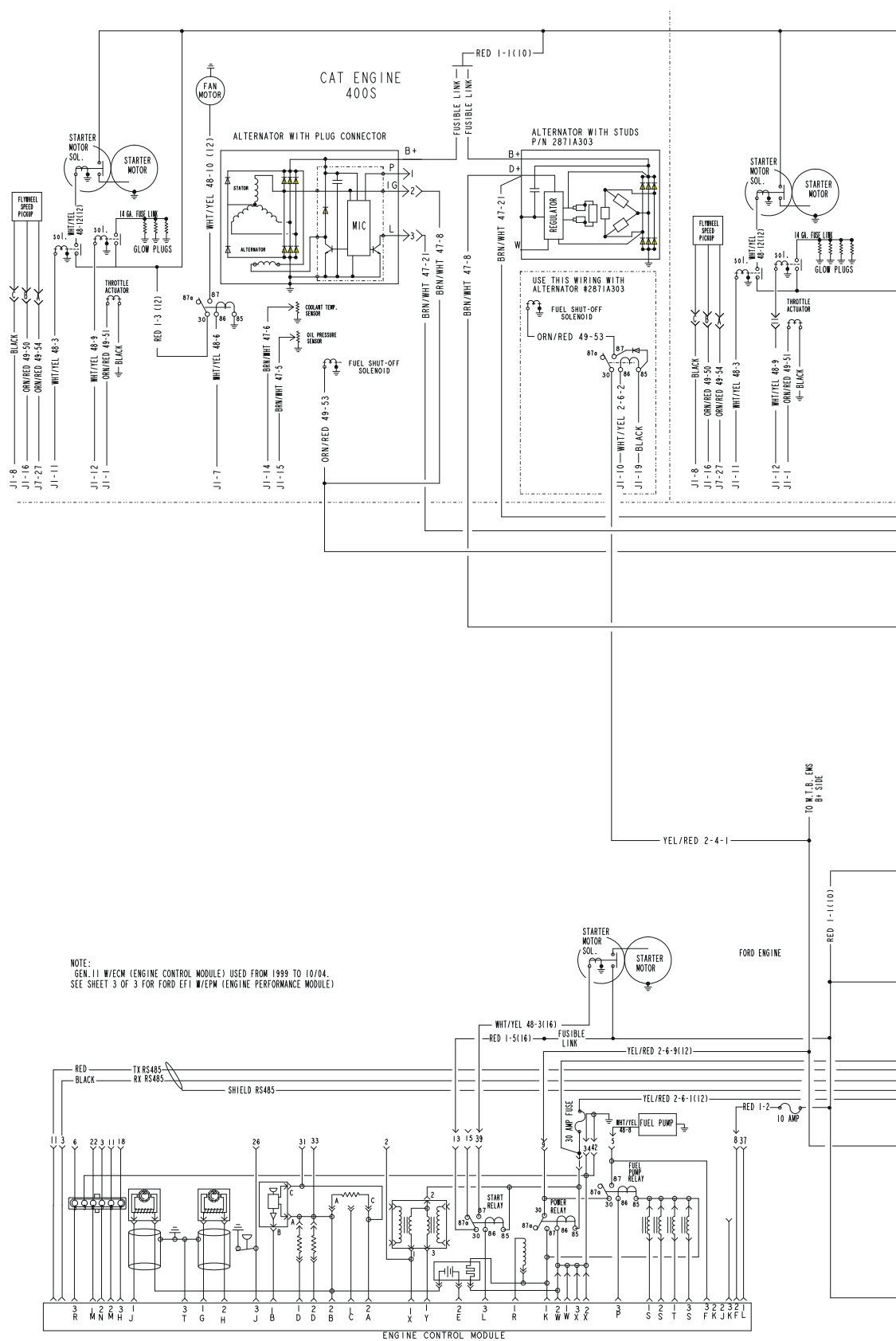
**FIGURE 7-5. ELECTRICAL SCHEMATIC - DEUTZ/FORD EFI ENGINE MACHINES (ADE SYSTEM)
(W/INTERNAL TILT) (S/N 62137 TO S/N 99060)**



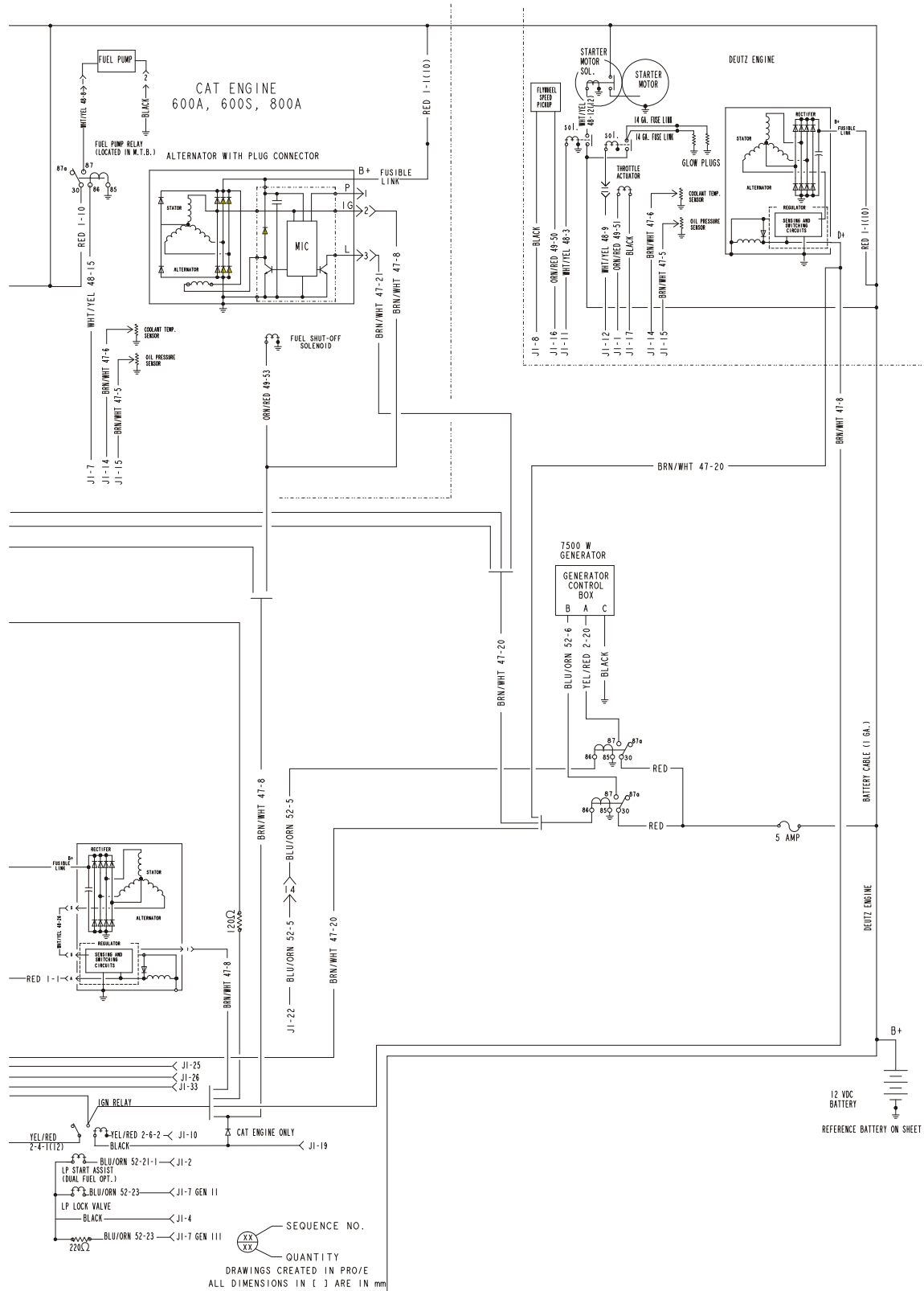
SECTION 7 ELECTRICAL



1870132 - M

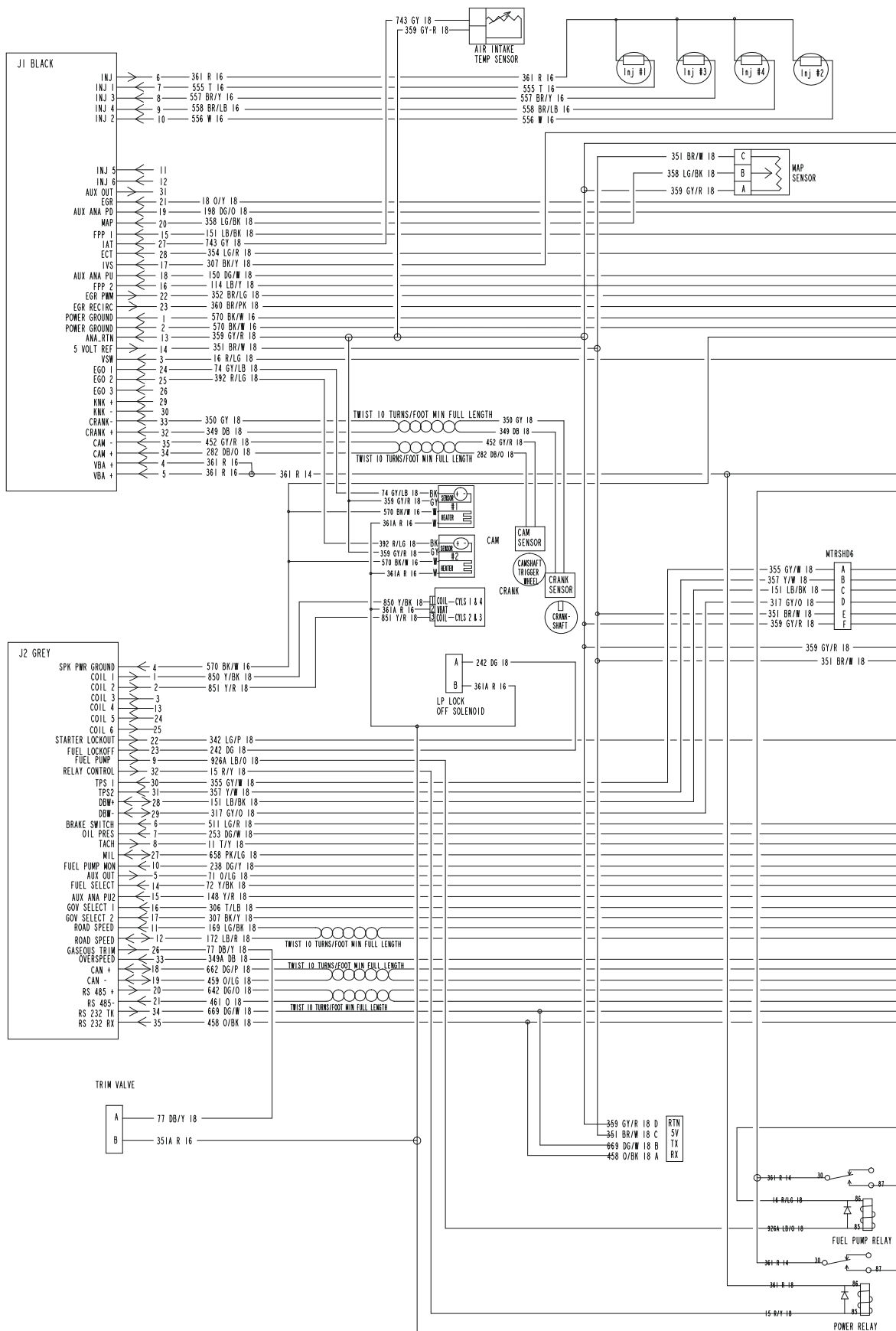


SECTION 7 ELECTRICAL

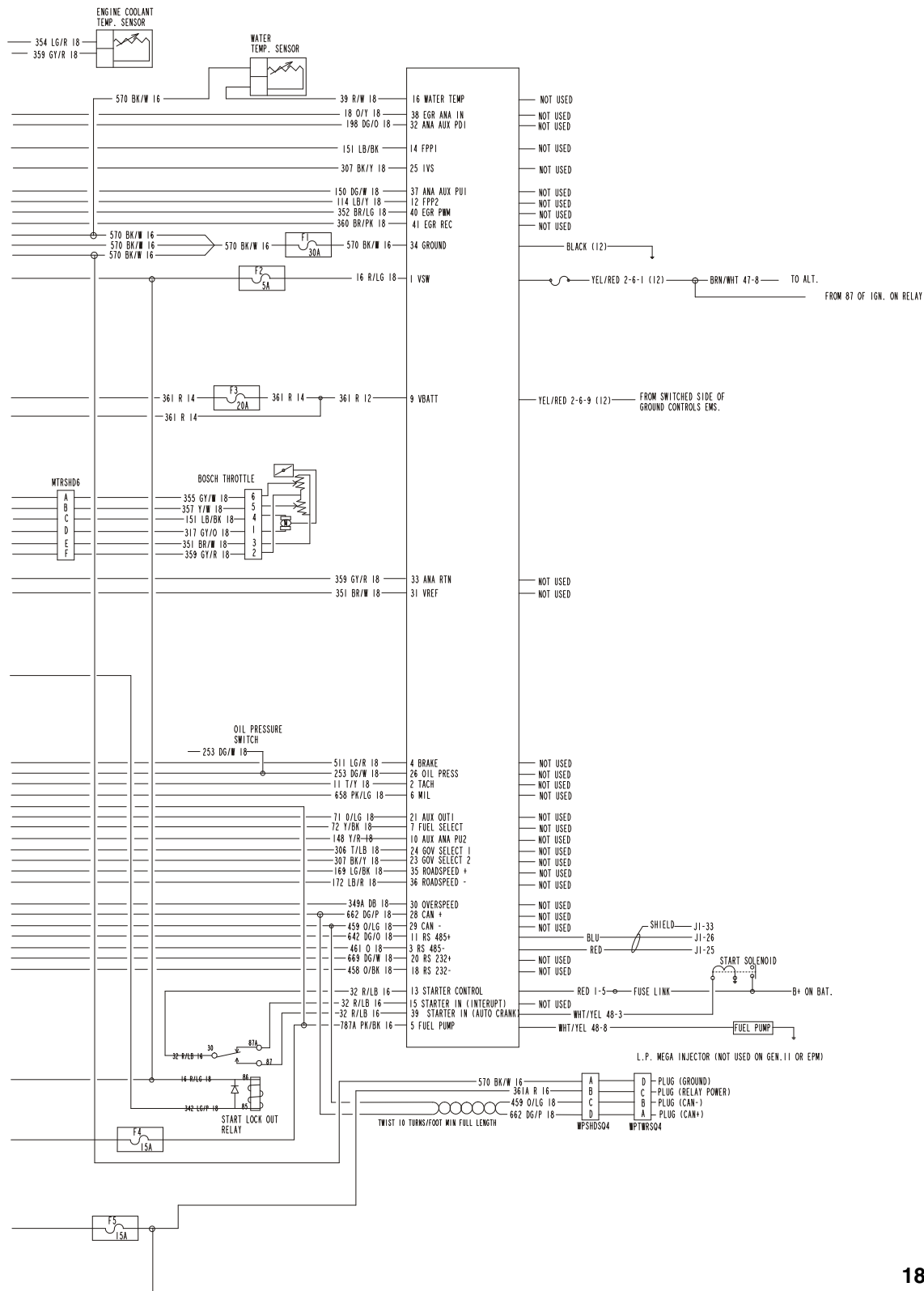


1870132 - M

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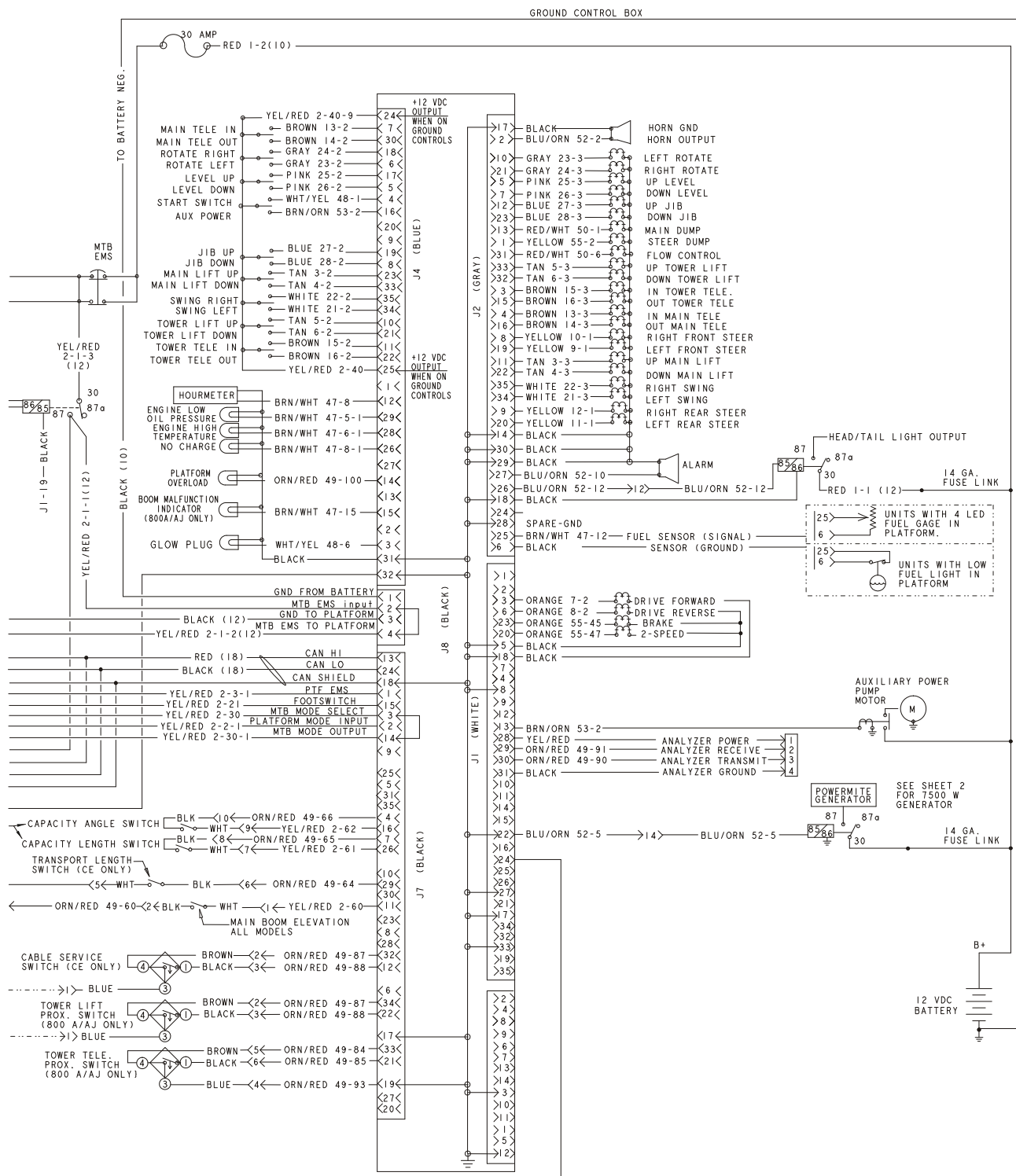
1870132 - M

7-16

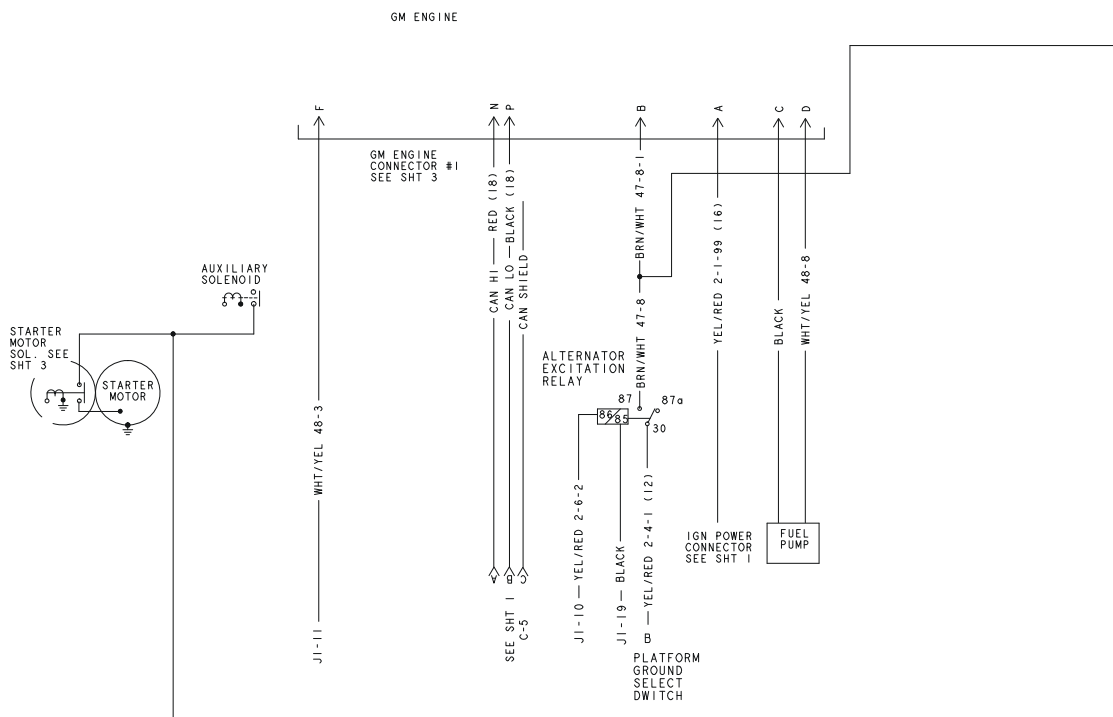
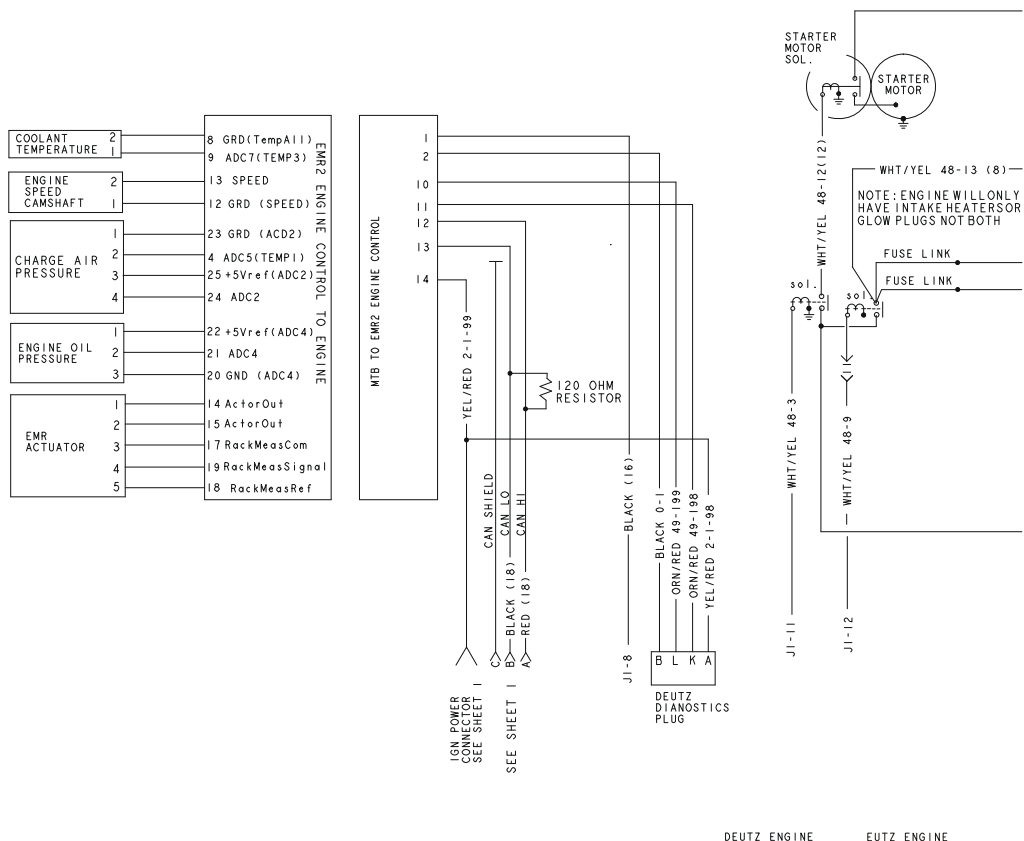
601S

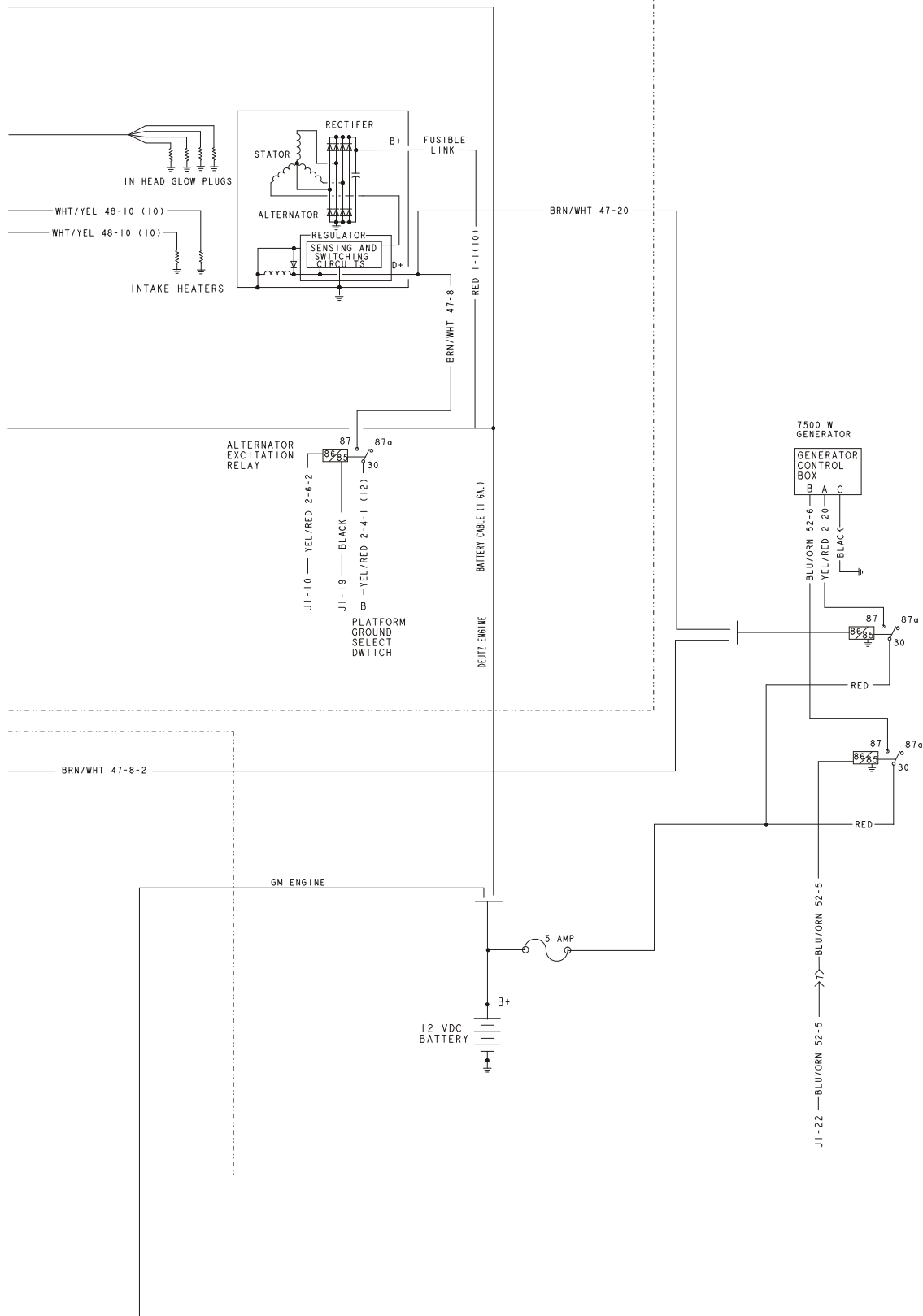


SECTION 7 ELECTRICAL



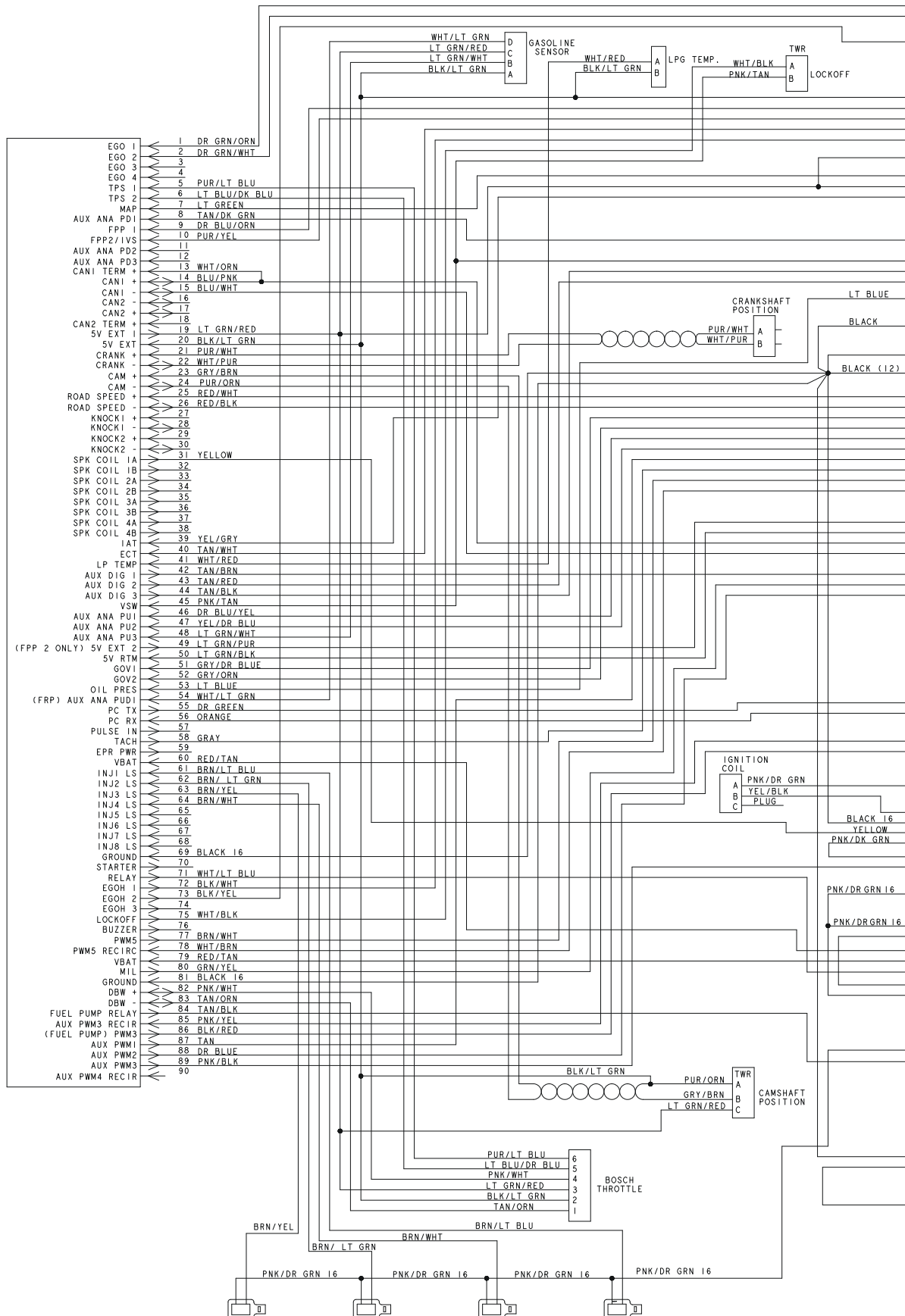
1870191 - G



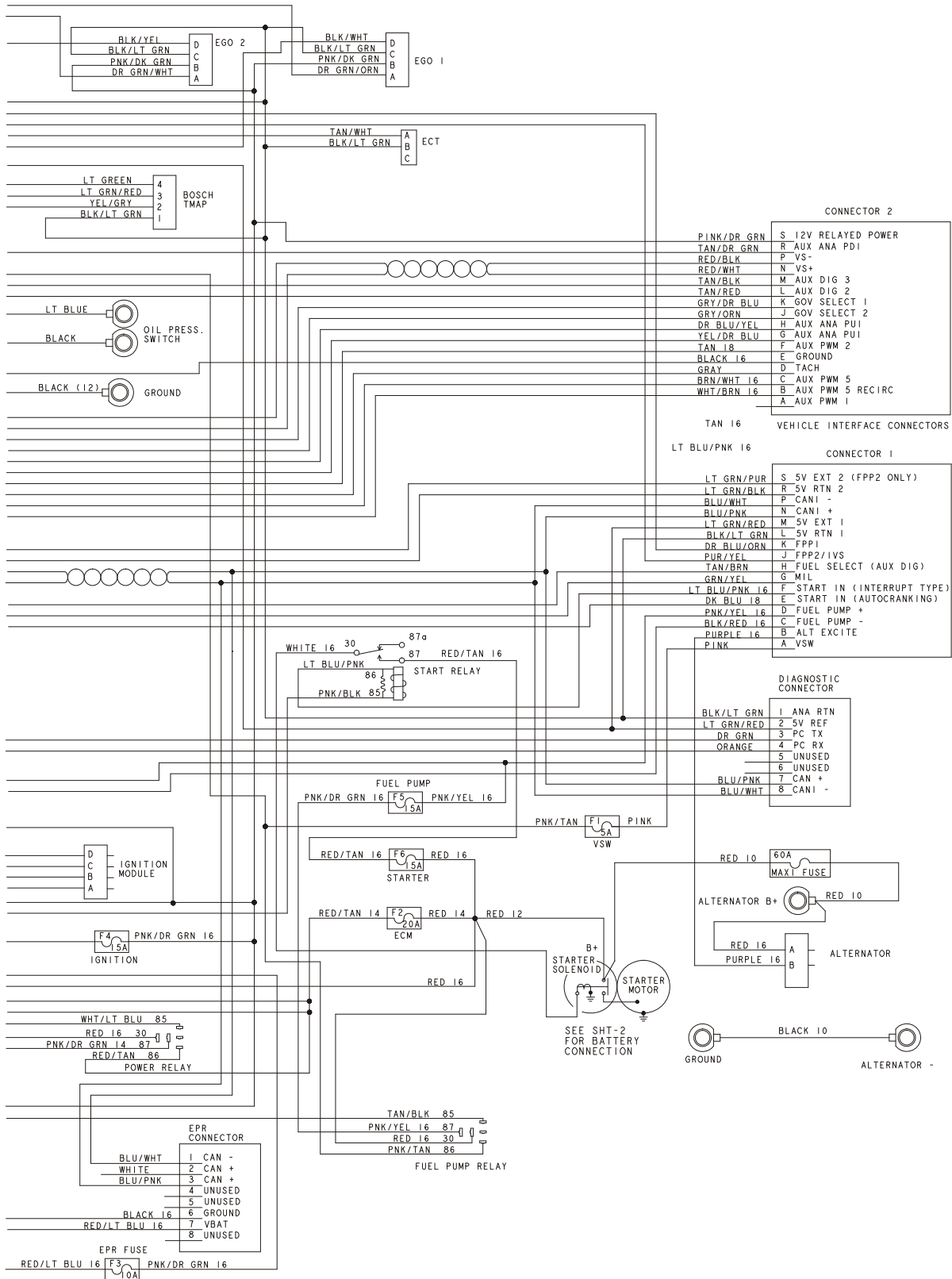


1870191 - G

SECTION 7 ELECTRICAL



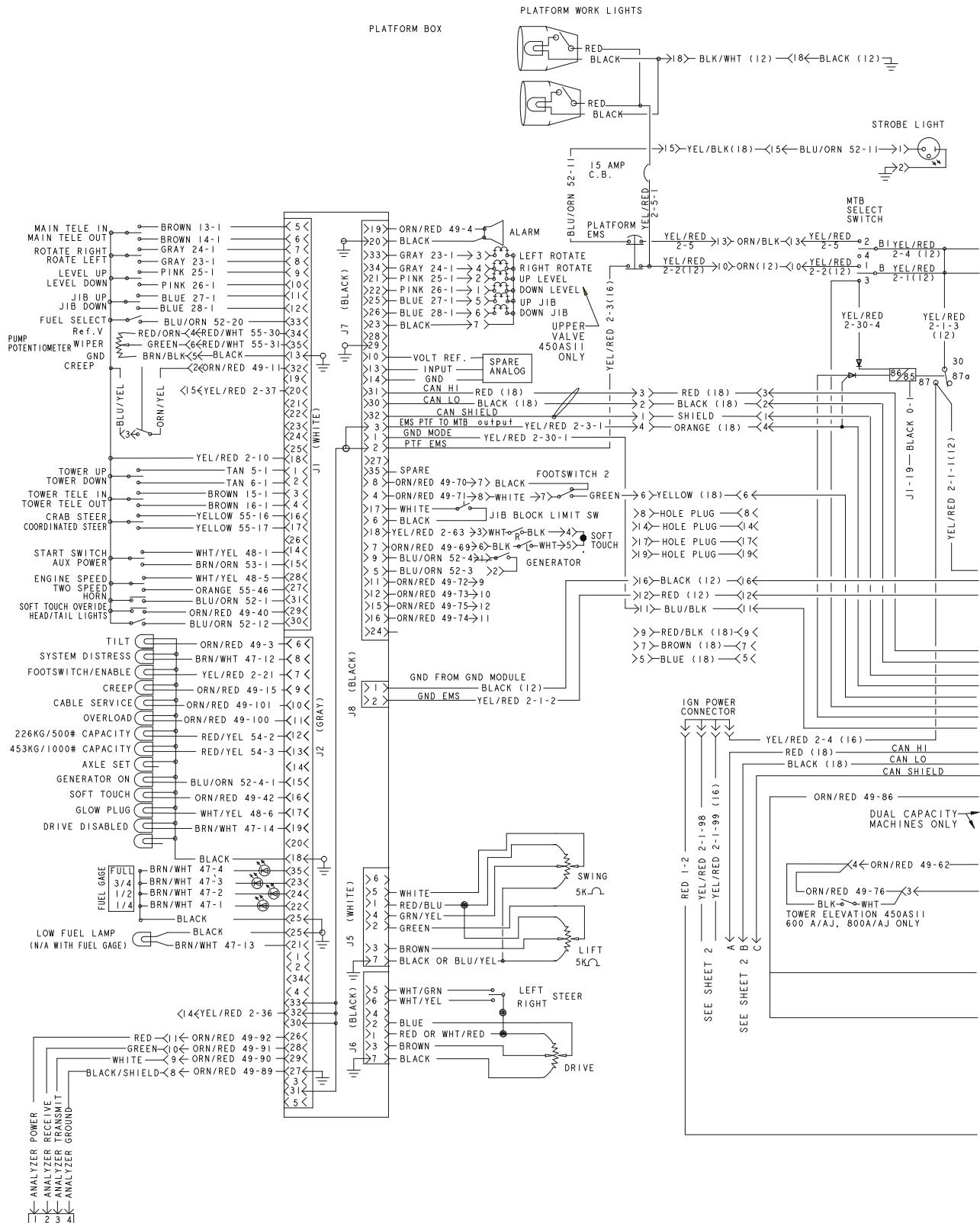
SECTION 7 ELECTRICAL



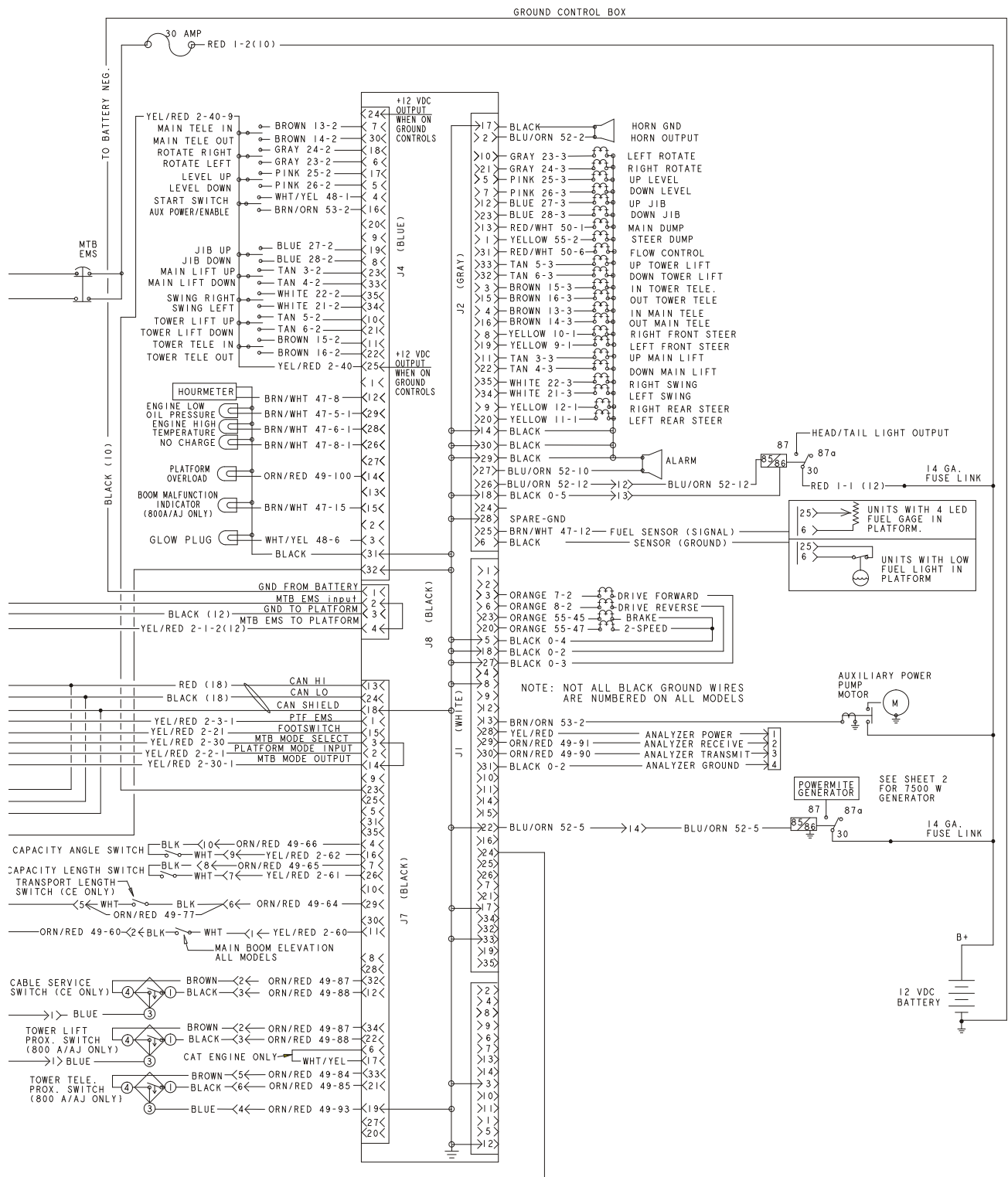
1870191 - G

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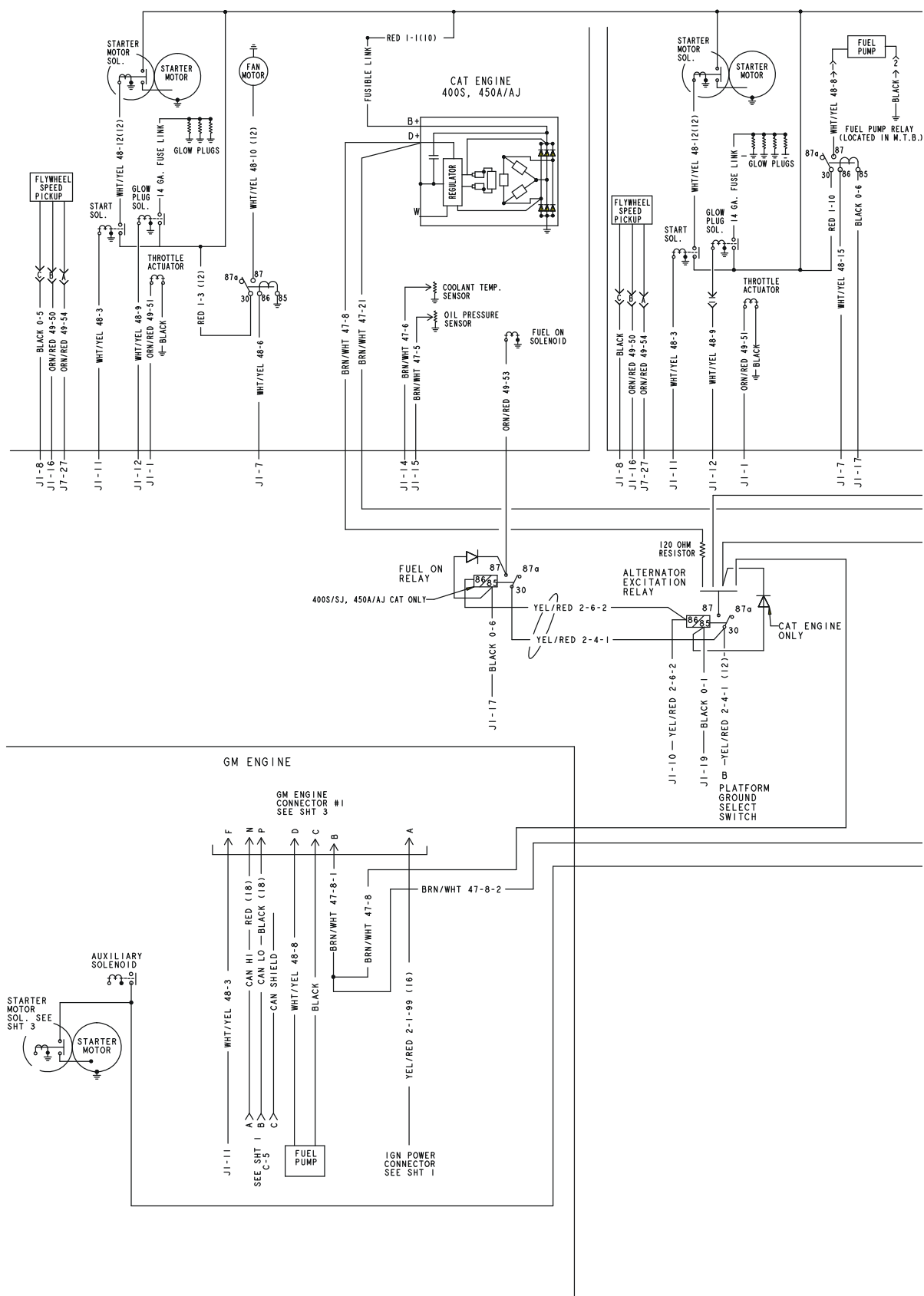
FIGURE 7-7. ELECTRICAL SCHEMATIC - DEUTZ TIER 2 (S/N 99060 TO PRESENT)



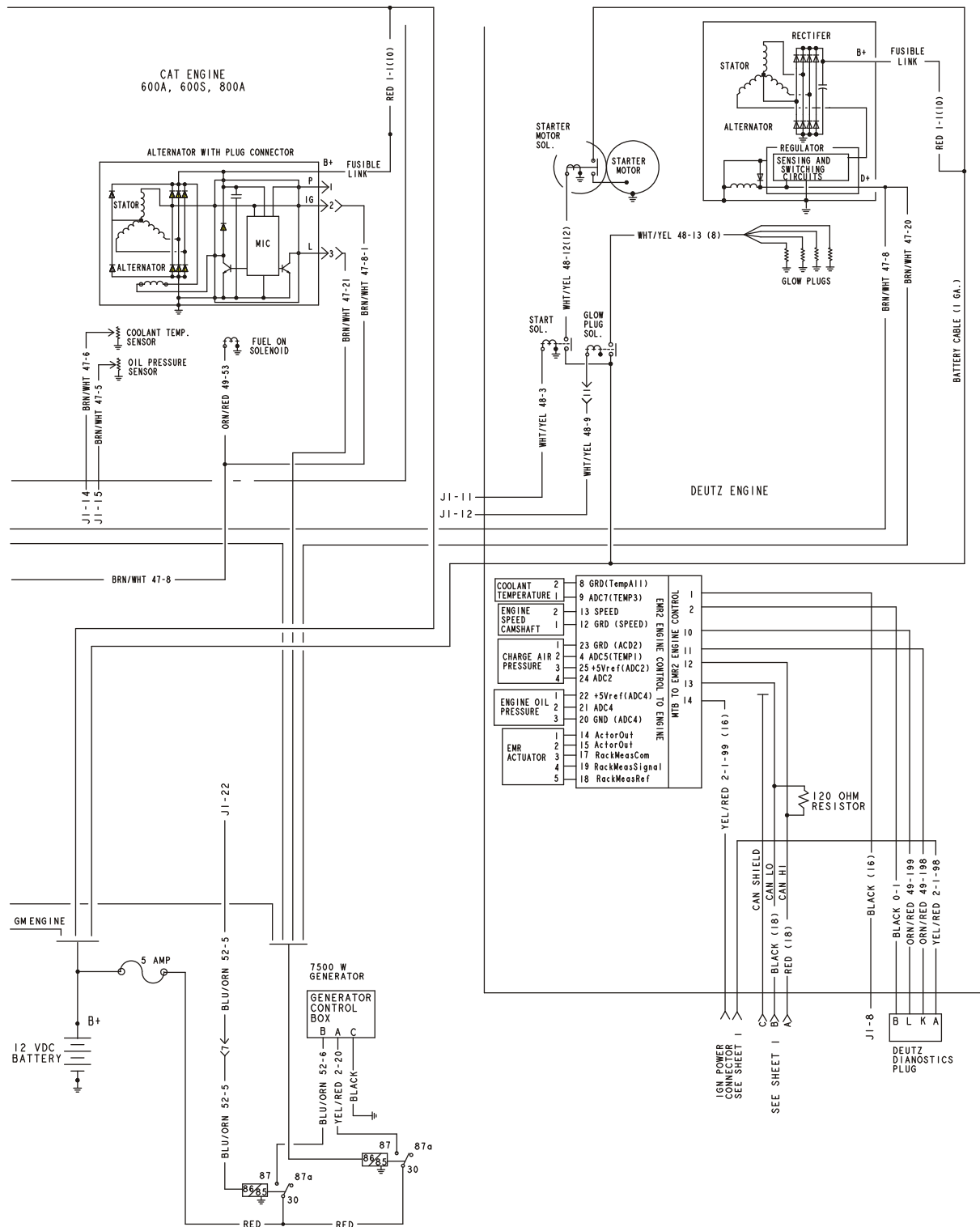
SECTION 7 ELECTRICAL



1870215 - A

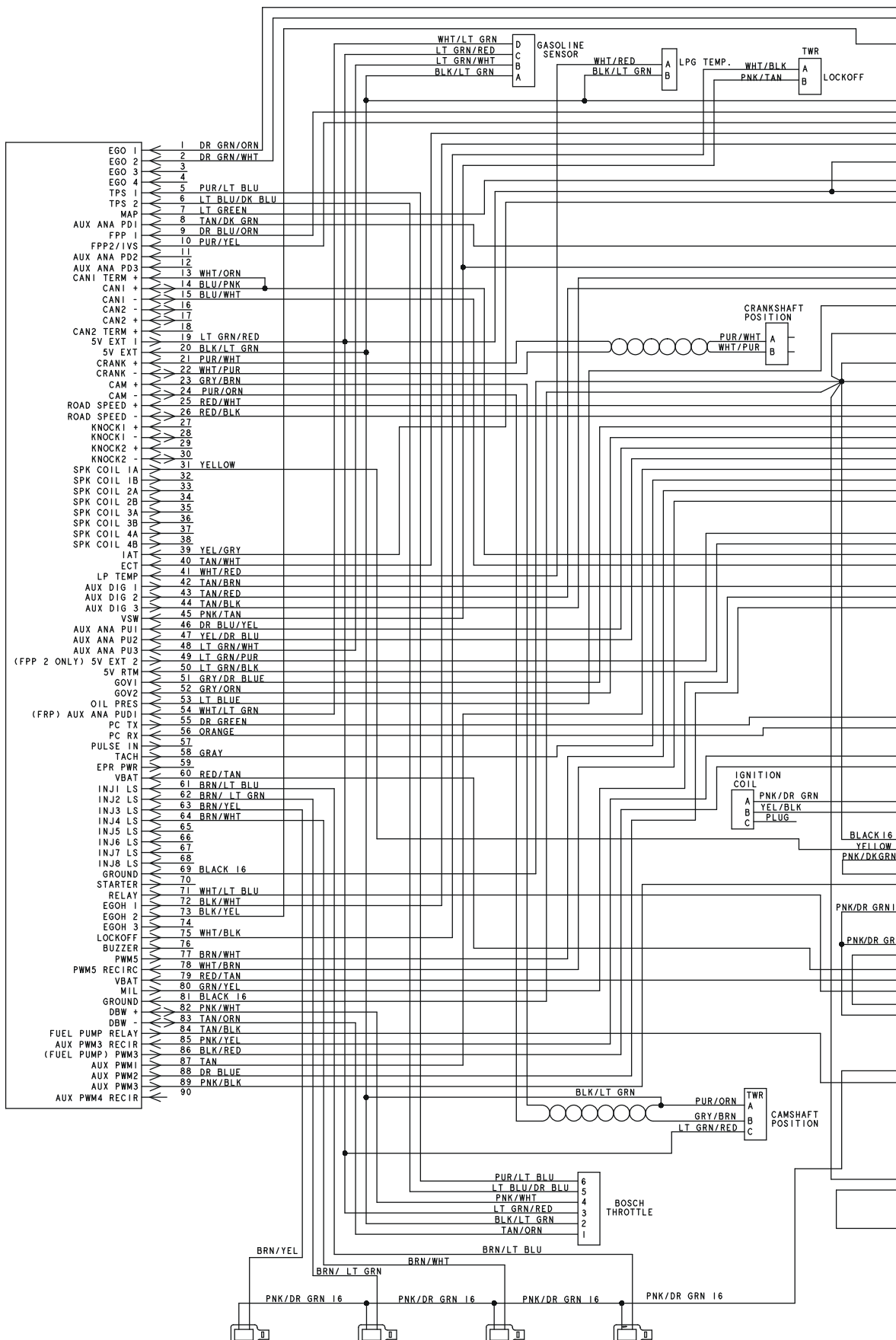


SECTION 7 ELECTRICAL

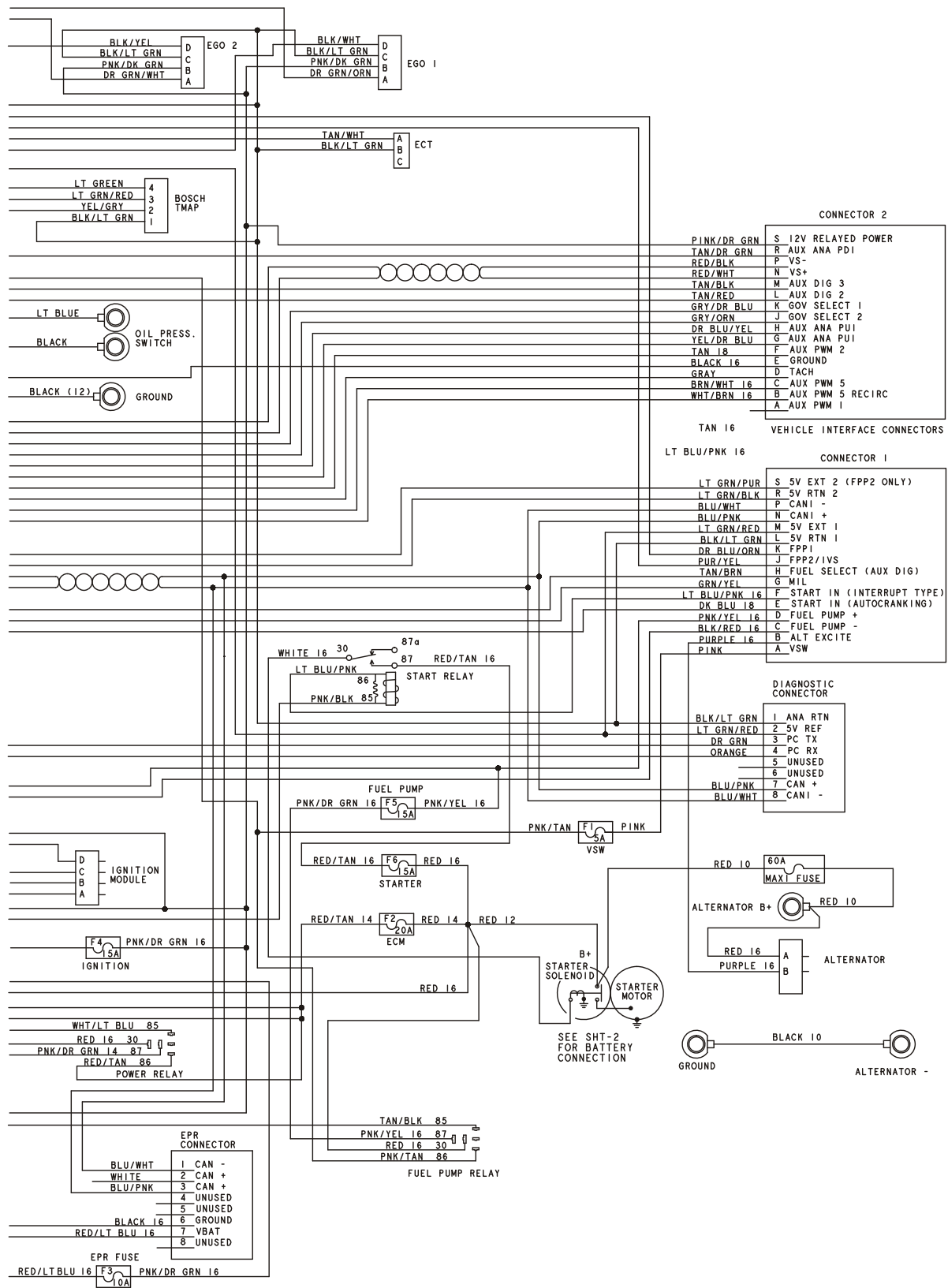


1870215 - A

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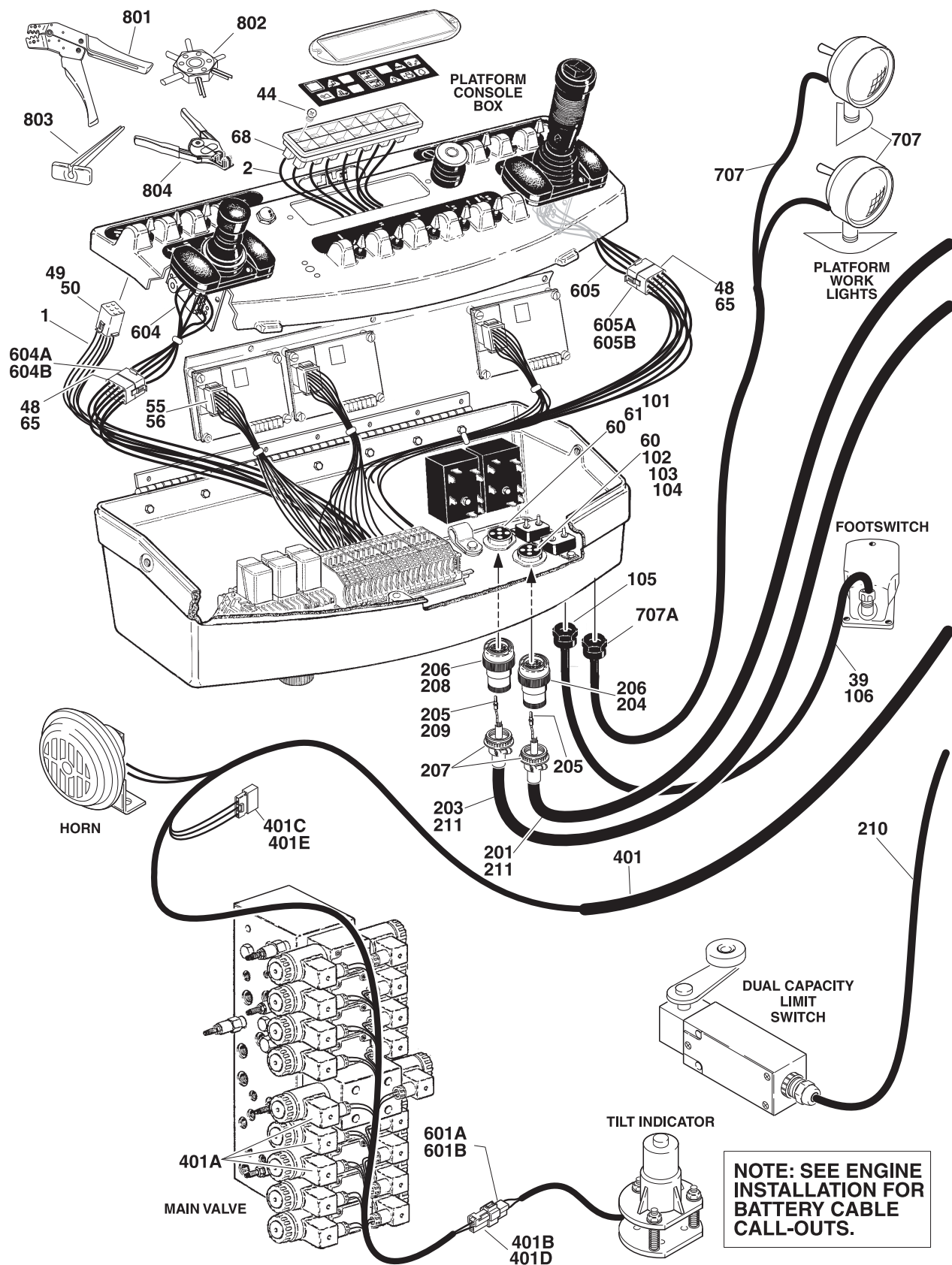
SECTION 7 ELECTRICAL



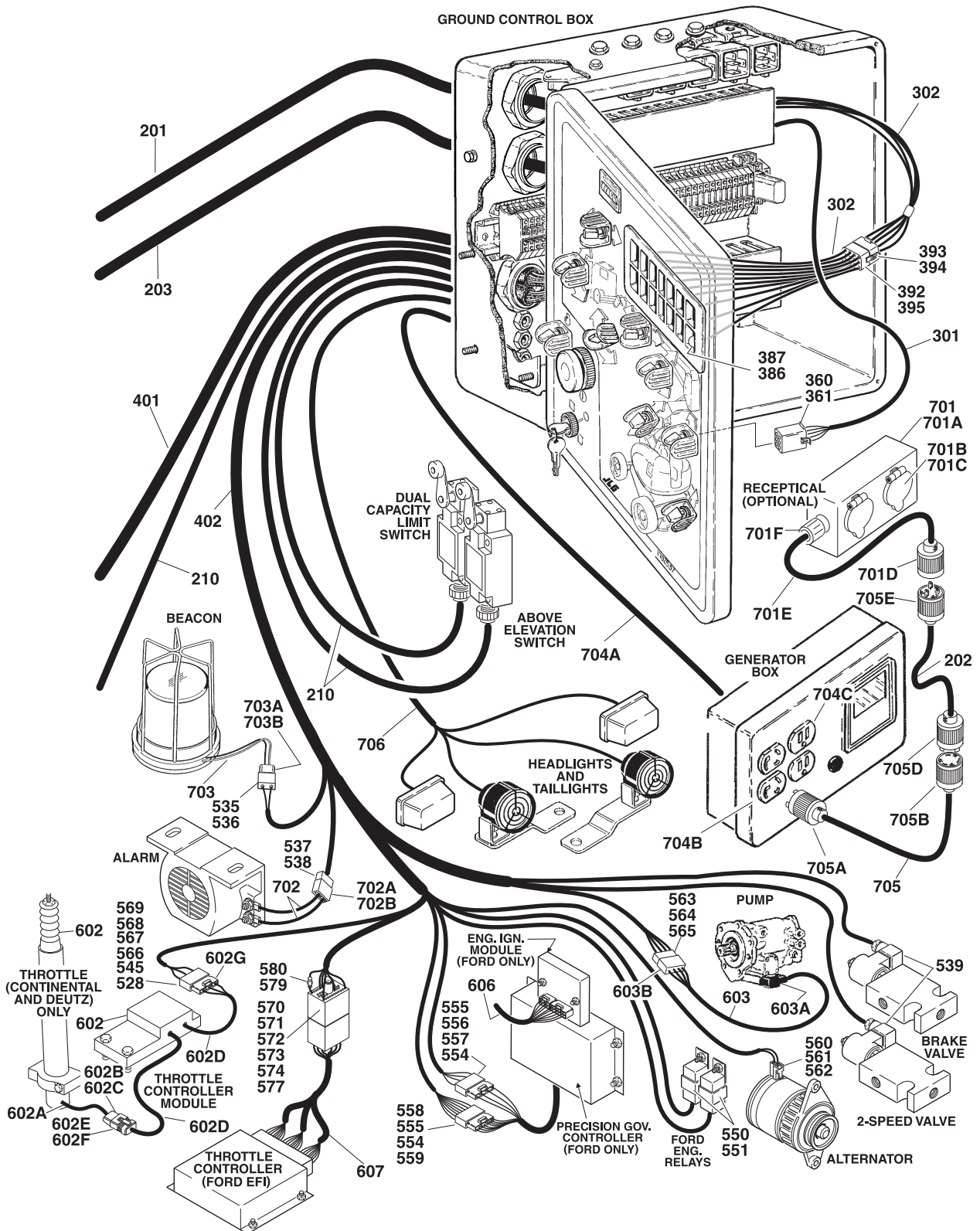
1870215 - A

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FIGURE 7-8. HARNESS COMPONENTS INSTALLATION (PRIOR TO S/N 62137)



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FIGURE 7-8. HARNESS COMPONENTS INSTALLATION (PRIOR TO S/N 62137)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4922075	Ref.	PLATFORM BOX HARNESS ASSEMBLY	3/C
1	Not Available	A/R	Harness, Switch (Made from individual wires)	
2	Not Available	A/R	Harness, Light Panel (Made from individual wires)	
3 to 38	Not Used			
39	1060515	7ft/2.13m	Cable, Electrical - 12/4	
40 to 43	Not Used			
44	2920129	7	Bulb, Light	
45 to 47	Not Used			
48	4460265	2	Plug, Male - 9 Position	
49	4460418	5	Connector - 6 Position	
50	4460419	27	Terminal, Female	
51 to 54	Not Used			
55	4460720	3	Connector - 15 Position	
56	4460721	33	Socket, Female	
57 to 59	Not Used			
60	4460464	40	Pin, Male (16 Gauge)	
61	4460508	4	Pin, Male (12 Gauge)	
62 to 64	Not Used			
65	4460267	16	Pin, Male	
66	3990010	17	Diode - 6 Amp (Not Shown)	
67	Not Used			
68	4120035	7	Base, Light	
		Ref.	PLATFORM BOX ASSEMBLY COMPONENTS	
101	4460613	1	Connector - 21 Position	
102	4460503	1	Connector - 31 Position	
103	4460470	2	Nut, Conduit	
104	4460471	2	Washer	
105	4460428	1	Connector, Strain Relief	
106	4460071	1	Connector, Strain Relief	
		Ref.	BOOM CABLES INSTALLATION	
	0258074	Ref.	Cable w/out AC Cable (Prior to S/N 38122)	3
	0258275	Ref.	Cable with AC Cable	5
201	1060516	69.5ft/21.2m	Cable, Electrical - 16/30 (Does not include terminals)	
202			Cable, Electrical - 12/3 Options: (Does not include plug ends)	
	Not Required		Cable w/out AC Cable	
	1060494	70ft/21.3m	Cable with AC Cable	
203		70ft/21.3m	Cable, Electrical Options: (Does not include terminals)	
	1060602		Cable w/out AC Cable (12/4 & 16/4)	
	1060515		Cable with AC Cable (12/4)	
204	4460502	1	Plug, Connector (31 Pin)	
205	4460465	A/R	Socket, Female - #16	
206	4460466	18	Seal, Plug	
207	4460473	2	Clamp, Cable	
208	4460614	1	Plug, Connector (19 Pin)	

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FIGURE 7-8. HARNESS COMPONENTS INSTALLATION (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
209	4460509	4	Socket, Female - #12	
210	1060016		Cable, Boom Length Options:	
		25ft/7.6m	Prior to S/N 53733	
		40.5ft/12.3m	S/N 53733 to S/N 62049	
		55.5ft/16.9m	S/N 62049 to S/N 62137	
211	4100026	5ft/1.5m	Sleeve, Nylon	
		Ref.	GROUND CONTROL BOX WIRING DIAGRAMS	
	4933008	Ref.	Deutz Engine - 601S	4/E
	4933081	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package"	3/D
	4933030	Ref.	Ford Engine - LRG425 With Carburetor	1/A
	4933119	Ref.	Ford Engine - LRG425 With EFI	1/A
301		1	Harness, Switch Options:	
	4922079		Deutz & Ford Engine - Model 601S (Includes Items 360 - 361)	
	4922243		Deutz Engine - Model 601S With A "Enhanced Hostile Environment Package"	
302		1	Harness, Light Panel Options:	
	4922087		Deutz & Ford LRG425 Engine With Carburetor	
	4922341		Ford LRG425 Engine With EFI	
303		1	Sub-Harness, Start Options: (Not Shown)	
	4922101		Deutz Engine	
	4922139		Ford Engine - LRG425 With Carburetor	
	4922342		Ford Engine - LRG425 With EFI	
304 to 359	Not Used			
360	4460418	A/R	Connector - 6 Position	
361	4460419	A/R	Socket, Female	
362 to 371	Not Used			
372	4460508	4	Pin, Deutsch (Not Shown - Ford Only)	
373 to 383	Not Used			
384	3990010	A/R	Diode 6 Amp (Not Shown - Ford Only)	
385	Not Used			
386	4120035	A/R	Base, Light	
	4460634	A/R	Insert, Terminal (Single Wire)	
	4460635	A/R	Insert, Terminal (Double Wire)	
387	2920129	A/R	Bulb, Light	
388	3990001	7	Diode 3 Amp (Not Shown)	
389		1	Resistor 750 Ohm (Not Shown) Options:	
	3730115		Deutz & Ford LRG425 Engine With Carburetor	
	3730099		Ford LRG425 Engine With EFI	
390	Not Used			
391	3730023	1	Resistor 510 Ohm (Not Shown - Located at Alternator Light)	
392	4460268	7	Socket, Female	
393		1	Plug Options:	
	4460265		Plug, 9 Position (Prior to S/N 58209)	
	4460367		Plug, 9 Position (S/N 58209 to S/N 62049)	
	4460343		Plug, 12 Position (S/N 62049 to S/N 62137)	
394	4460267	10	Pin, Male	

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FIGURE 7-8. HARNESS COMPONENTS INSTALLATION (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
395	4460266	1	Connector, Female	
		Ref.	GROUND CONTROL BOX ASSY COMPONENTS	
401	4922081	1	Valve Harness Assembly	2/C
401A	4460499	15	DIN Connector with Diode	
401B	4460267	4	Pin, Male	
401C	4460268	3	Socket, Female	
401D	4460225	1	Housing, Terminal - 6 Position	
401E	4460445	1	Receptacle, Female - 3 Position	
402		1	Engine Harness Assembly Options (See Items 501-565 for Breakdown)	
	4922080		Deutz Engine Machines	
	4922241		Deutz Engine Machines With A "Enhanced Hostile Environment Package"	
	4922135		Ford Engine - LRG425 With Carburetor	
	4922337		Ford Engine - LRG425 With EFI	
		Ref.	ENGINE HARNESS ASSEMBLY OPTIONS:	
	4922080	Ref.	DEUTZ ENGINE	5/F
	4922241	Ref.	DEUTZ ENGINE With A "Enhanced Hostile Environment Package" MACHINES	4/E
	4922135	Ref.	FORD ENGINE - LRG425 With Carburetor	1/A
	4922337	Ref.	FORD ENGINE - LRG425 With EFI	4/D
501 to 527	Not Used			
528	4460268	2	Socket, Female (Deutz Engine Only)	
529	4460267	2	Pin, Male (Deutz Engine Only)	
530 to 534	Not Used			
535	4460424	1	Receptacle, Female - 2 Position	
536	4460268	2	Socket, Female	
537	4460320	1	Connector, Female - 2 Position	
538	4460267	2	Pin, Male	
539	4460499	A/R	DIN Connector with Diode	
540 to 544	Not Used			
545	4460445	A/R	Housing, Terminal - 3 Position (Deutz Engine Only)	
546	Not Used			
547	4460265	1	Plug, Male - 9 Position (Deutz Engine Only)	
548	4460266	1	Connector, Female - 9 Position (Deutz Engine Only)	
549	Not Used			
550	4460374	A/R	Plug, Sealed (Ford Engine Only)	
551	4460375	A/R	Terminal (Ford Engine Only)	
552 to 553	Not Used			
554	4460608	12	Seal, Terminal (Ford LRG425 With Carburetor Engine Only)	
555	4460589	12	Terminal (Ford LRG425 With Carburetor Engine Only)	
556	4460590	1	Housing - 4 Position (Ford LRG425 With Carburetor Engine Only)	
557	4460591	1	Lock, Terminal (Ford LRG425 With Carburetor Engine Only)	
558	4460587	1	Housing - 8 Position (Ford LRG425 With Carburetor Engine Only)	

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FIGURE 7-8. HARNESS COMPONENTS INSTALLATION (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
559	4460588	1	Lock, Terminal (Ford LRG425 With Carburetor Engine Only)	
560	4460582	3	Terminal (Ford Engine Only)	
561	4460580	1	Lock, Terminal (Ford Engine Only)	
562	4460579	1	Housing - 3 Position (Ford Engine Only)	
563	4460460	1	Connector, Male - 4 Position	
564	4460457	4	Terminal, Female	
565	4460458	4	Seal, Terminal	
566	4460777	1	Housing - 4 Position (Deutz Engine Only) (S/N 44055 to S/N 62137)	
567	4460591	1	Terminal, Lock (Deutz Engine Only) (S/N 44055 to S/N 62137)	
568	4460589	3	Socket (Deutz Engine Only) (S/N 44055 to S/N 62137)	
569	4460608	3	Seal, Cable (Deutz Engine Only) (S/N 44055 to S/N 62137)	
570	4460713	1	Connector, Housing 42 Position (LRG425 With EFI Only)	
571	4460725	1	Connector Wedge Lock, Center (LRG425 With EFI Only)	
572	4460726	2	Connector Wedge Lock, Side (LRG425 With EFI Only)	
573	4460800	29	Connector, Plug (LRG425 With EFI Only)	
574	4460799	9	Pin, Male (LRG425 With EFI Only)	
575	4460449	1	DIN Connector without Diode (LRG425 With EFI Only)	
576	Not Used			
577	4460728	4	Pin, Male (LRG425 With EFI Only)	
578	2400061	1	Fuse - 10Amp (LRG425 With EFI Only)	
579	2400060	2	Holder, Fuse (LRG425 With EFI Only)	
580	2400065	1	Fuse - 30Amp (LRG425 With EFI Only)	
		Ref.	STANDARD HARNESS COMPONENTS	
601	Not Available	1	Tilt Indicator Harness	
601A	4460268	6	Socket, Female	
601B	4460224	1	Connector, Female - 6 Position	
602	Not Available	1	Throttle Actuator/Controller Harness (Deutz)	
	Use 2910000	1	Throttle Actuator and Controller Assembly (Was p/n 0060033)	
	7008833	1	Mounting Clamp Kit (Not Shown)	
	7008836	1	Spring, Retract (Not Shown)	
602A	Not Available	1	Throttle Actuator & Harness (Purchase p/n 2910000)	
	7016336	1	Boot Kit	
602B	Not Serviced	3	Pin, Male	
602C	Not Serviced	1	Connector, Male - 9 Position	
602D	2910001	1	Controller & Harness (Purchase p/n 2910000)	
602E	Not Serviced	9	Socket, Female	
602F	Not Serviced	1	Connector, Female	
602G	Not Available	1	Plug, Male - 4 Position	
	4460693	4	Pin, Male	
	4460591	1	Clip	
	4460608	4	Seal, Terminal	
603	Not Available	1	Pump Harness	
603A	7007497	1	Plug (Pump End)	
603B	7007498	1	Plug (Engine Harness End)	

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FIGURE 7-8. HARNESS COMPONENTS INSTALLATION (PRIOR TO S/N 62137) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
604	Not Available	1	Controller Harness Assembly (Lift and Swing)	
604A	4460266	1	Connector, Female - 9 Position	
604B	4460268	7	Socket, Female	
605	Not Available	1	Controller Harness/Circuit Board Assembly (Drive and Steer)	
605A	4460266	1	Connector, Female - 9 Position	
605B	4460268	7	Socket, Female	
606	7012682	1	Ford Engine Harness (For replacement parts refer to Ford engine dealer (Ford Carburetor Engine Machines)	
607	Not Available	1	Ford Engine Harness (For replacement parts refer to Ford engine dealer (Ford EFI Engine Machines)	
		Ref.	OPTIONAL HARNESS COMPONENTS	
701	0258075	Ref.	AC (110Volt) to Platform Receptacle Components	
701A	0860038	1	Box, Receptacle	1
	3960422	1	Gasket	
701B	4460346	1	110V GFI Receptacle	
701C	4060700	1	Shield, Cover	
701D	4460205	1	Plug, Male	
701E	1060494	18in/47cm	Cable, Electrical - 12/3	
701F	4460071	1	Connector	
702	0257887	1	Alarm/Harness Assembly	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
702A	4460424	1	Plug	
702B	4460268	2	Socket	
702C		1	Relay Harness Options: (Not Shown)	
	4922123		Motion Alarm	
	4922124		Travel Alarm	
703	Not Available	1	Strobe Light Harness	A
703A	4460320	1	Connector, Female - 2 Position	
703B	4460267	2	Pin, Male	
704	4933092	Ref	Generator Electrical Components)	
	3990010	1	Diode - 6 Amp (Not Shown)	
704A	4921938	1	Harness - On/Off Switch Options (Powermite Control Box to Ground Control Box)	
704B	4460027	1	110V GFI Receptacle	
704C	4460190	1	110V GFI Receptacle	
705	4921827	Ref.	Generator to Rear of Boom Harness (110V)	
		Ref.	Note: Harness used to connect AC at Platform Harness to Generator Receptacle to power platform receptacle.	
	1060494	20ft/6.1m	Cable, Electrical - 12/3	1
705A	4460205	1	Plug, Male (110V)	
705B	4460134	1	Connector, Female (110V)	
706	Not Available	1	Light Harness	
	3740049	1	Relay (Not Shown)	
	1060341	37ft/11.3m	Cable, Electrical 16/2 (Does not Include terminals)	

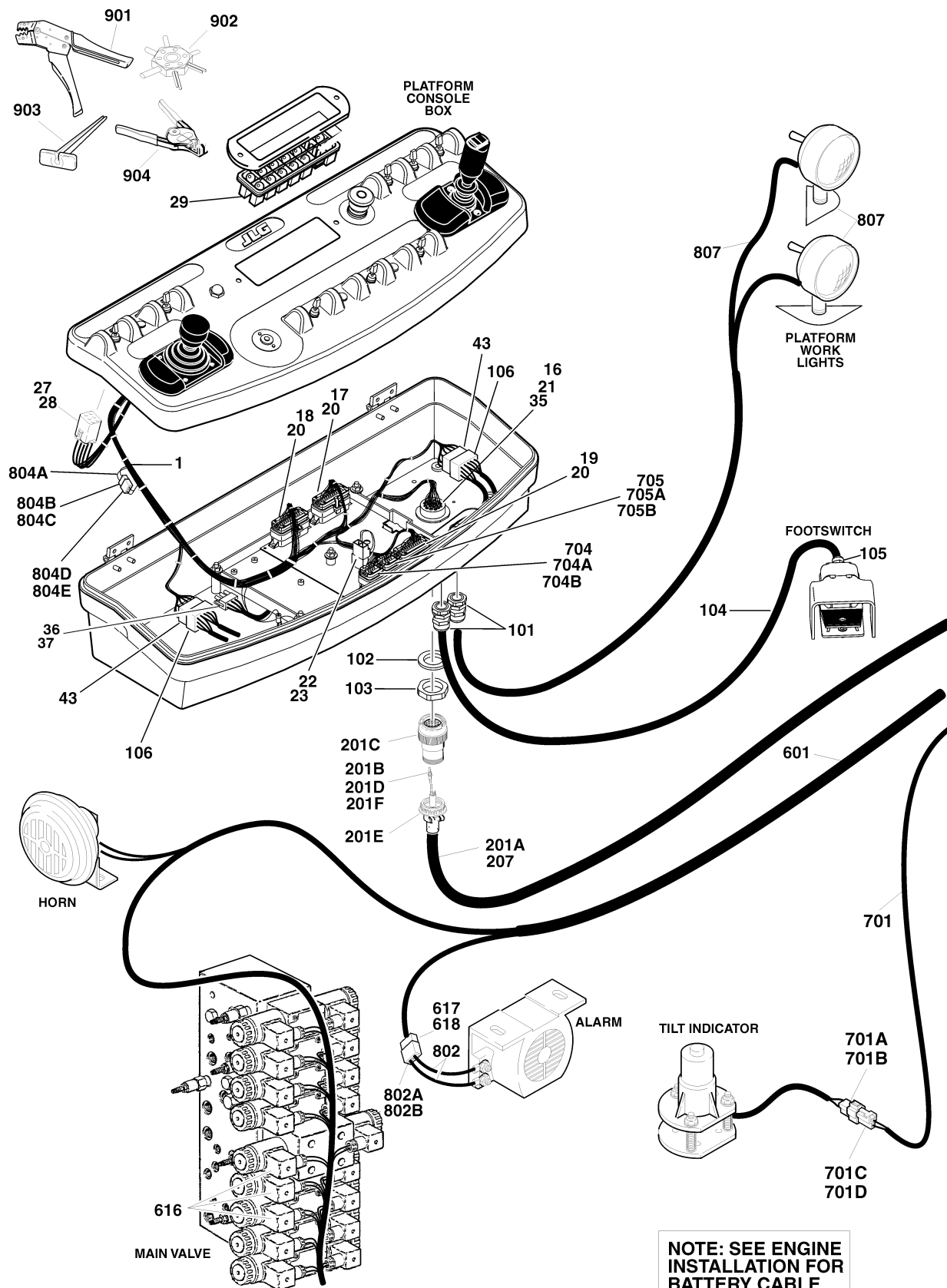
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FIGURE 7-8. HARNESS COMPONENTS INSTALLATION (PRIOR TO S/N 62137) (CONTINUED)

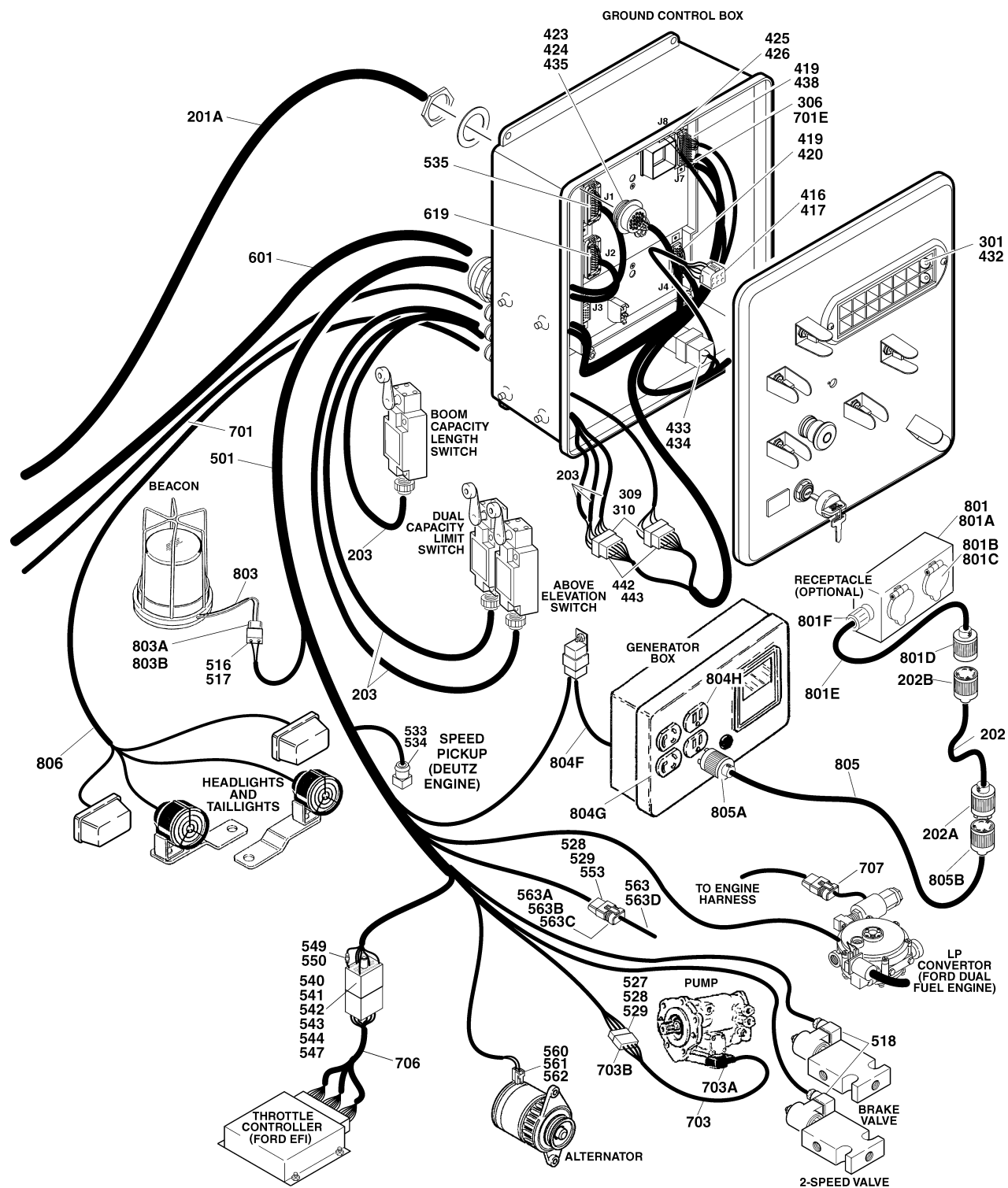
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
707	2920140	2	Platform Worklights Harness (Includes Light & Wire Only)	
	2820035	9ft/2.8m	Loom, Vinyl	
707A	4460598	1	Connector, Strain Relief	
	4460042	2	Terminal (Not Shown - Located in Platform Console)	
		Ref.	TOOLS	
801	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
802	7002823	1	Extractor (For Removal of Pin/Socket from Connectors)	
803	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors)	
	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors)	
804	7002828	1	Stripper, Wire	

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FIGURE 7-9. HARNESS COMPONENTS INSTALLATION (WITH ADE SYSTEM) (S/N 62137 TO S/N 85132)



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FIGURE 7-9. HARNESS COMPONENTS INSTALLATION (WITH ADE SYSTEM) (S/N 62137 TO S/N 85132)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	PLATFORM BOX HARNESS ASSEMBLIES	
	4922520	Ref.	PRIOR TO S/N 64398	2/B
	4922650	Ref.	S/N 64398 TO S/N 67978	1/A
	4922639	Ref.	S/N 67978 TO S/N 85132	6/G
1		1	Harness, Console Box Options:	
	4922520		Prior to S/N 64398	
	4922650		S/N 64398 to S/N 67978	
	4922639		S/N 67978 to S/N 85132	
2 to 15	Not Used			
16	4460866	1	Terminal, 19 Pin Receptacle	
17	4460874	1	Connector - 35 Position (Natural)	
18	4460875	1	Connector - 35 Position (Gray)	
19	4460873	1	Connector - 35 Position (Black)	
20	4460871	A/R	Socket, Female	
21	4460464	7	Pin, Male (16 Gauge)	
22	4460879	1	Terminal, Housing 2 Position	
23	4460887	2	Terminal, (12 Gauge)	
24 to 26	Not Used			
27	4460418	4	Connector - 6 Position	
28	4460419	12	Terminal, Female	
29	4120035	A/R	Base, Light	
30 to 34	Not Used			
35	4460508	3	Pin, Male (12 Gauge)	
36	4460225	1	Plug, Male - 6 Position (S/N 67978 to S/N 85132)	
37	4460227	5	Pin, Male (S/N 67978 to S/N 85132)	
38 to 42	Not Used			
43	4460434	2	Plug, Male - 15 Position (S/N 67978 to S/N 85132)	
	4460227	23	Pin, Male	
44	2920129	A/R	Lamp, Indicator (S/N 68642 to S/N 85132)	
		Ref.	PLATFORM BOX ASSEMBLY COMPONENTS	
101	4460428	2	Connector, Strain Relief	
102	4460470	1	Nut, Conduit	
103	4460471	1	Washer	
104	1060330	1	Cable, Electrical - 16/3	
105	4460071	1	Connector, Strain Relief	
106	4460708	2	Receptacle - 15 Position	
	0270807	Ref.	BOOM CABLES INSTALLATION	3
201	4922468	1	Harness, Main Boom	
201A	1060896	67ft/20.4m	Cable	
201B	4460465	22	Socket, Female - #16	
201C	4460865	1	Plug, Connector (19 Pin)	
201D	4460509	8	Socket, Female - #12	
201E	4460473	1	Clamp, Cable	

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FIGURE 7-9. HARNESS COMPONENTS INSTALLATION (WITH ADE SYSTEM) (S/N 62137 TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
201F	4460466	4	Seal, Plug	
202		A/R	Cable, Electrical - 12/3 Options (Does not include plug ends):	
	1060494	69.5ft/21.8m	Prior to S/N 71455	
	4922889	1	S/N 71455 to S/N 85132	
202A	4460205	1	Plug, Male (110V)	
202B	4460134	1	Connector, Female (110V)	
203		A/R	Cable, Boom Length Options:	
	1060680	55.5ft/16.9m	Prior to S/N 71455	
	1061026	1	S/N 71455 to S/N 85132	
204 to 206	Not Used			
207	4100026	5ft/1.5m	Sleeve, Nylon	
		Ref.	GROUND CONTROL BOX WIRING DIAGRAMS	
	4933159	Ref.	Deutz Engine - 601S (Prior to S/N 64398)	H
	4933225	Ref.	Deutz Engine - 601S (S/N 64398 to S/N 85132)	3/C
	4933160	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package" (Prior to S/N 64398)	5/G
	4933223	Ref.	Deutz Engine - 601S With A "Enhanced Hostile Environment Package" (S/N 64398 to S/N 85132)	2/B
	4933161	Ref.	Ford Engine - LRG425 With EFI (Prior to S/N 64398)	E
	4933224	Ref.	Ford Engine - LRG425 With EFI (S/N 64398 to S/N 85132)	2/B
301	2920129	A/R	Bulb, Light	
302	4922636	1	Harness, Jumper (S/N 64398 to S/N 85132) (Not Shown)	
303 to 305	Not Used			
306	4460871	A/R	Socket, Female	
307	2400065	1	Fuse, 30Amp (Not Shown)	
308	2400066	1	Fuse, Holder W/Cover (Not Shown)	
309	4460708	2	Housing - 15 Position (S/N 64398 to S/N 85132)	
310	4460226	11	Pin (S/N 64398 to S/N 85132)	
311	4922637	1	Harness, Jumper (S/N 64398 to S/N 85132) (Not Shown)	
		Ref.	GROUND CONTROL HARNESS ASSEMBLY	
	4922487	Ref.	DEUTZ ENGINE (PRIOR TO S/N 64398)	4/E
	4922486	Ref.	FORD ENGINE - LRG425 (Prior to S/N 64398)	3/D
	4922649	Ref.	DEUTZ/FORD ENGINE - LRG425 (S/N 64398 to S/N 85132)	4/E
401 to 415	Not Used			
416	4460419	A/R	Terminal, Female	
417	4460418	A/R	Connector - 6 Position	
418	Not Used			
419	4460871	A/R	Socket, Female	
420	4460876	1	Connector - 35 Position (Blue)	
421 to 422	Not Used			
423	4460464	10	Pin, Male (16 Gauge)	
424	4460866	1	Terminal, 19 Pin Receptacle	
425	4460878	1	Housing, Terminal - 4 Position	
426	4460887	3	Terminal	
427 to 431	Not Used			

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FIGURE 7-9. HARNESS COMPONENTS INSTALLATION (WITH ADE SYSTEM) (S/N 62137 TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
432	4120035	A/R	Base, Light	
433	4460741	1	Housing, Relay (Ford Engine Only) (Prior to S/N 64398)	
434	4460420	3	Terminal (Ford Engine Only) (Prior to S/N 64398)	
435	4460508	3	Pin, Male (12 Gauge)	
436 to 437	Not Used			
438	4460873	1	Connector - 35 Position (Black)	
439 to 441	Not Used			
442	4460434	2	Connector - 15 Position (S/N 64398 to S/N 85132)	
443	4460227	22	Pin	
444	Not Used			
445	3990010	2	Diode 6 Amp (Not Shown)	
		Ref.	ENGINE HARNESS ASSEMBLY	
	4922488	Ref.	DEUTZ ENGINE	6/E
	4922489	Ref.	DEUTZ ENGINE With A "Enhanced Hostile Environment Package" MACHINES	6/E
	4922519	Ref.	FORD ENGINE - LRG425 With EFI	7/G
501		1	Harness, Assembly Options:	
	4922488		Deutz Engine	
	4922489		Deutz Engine With A "Enhanced Hostile Environment Package" Machines	
	4922519		Ford Engine - LRG425 With EFI	
502 to 515	Not Used			
516	4460424	1	Receptacle, Female - 2 Position	
517	4460268	2	Socket, Female	
518	4460880	A/R	DIN Connector without Diode	
519 to 526	Not Used			
527	4460460	1	Connector, Male - 4 Position	
528	4460457	A/R	Terminal, Female	
529	4460458	A/R	Seal, Terminal	
530 to 532	Not Used			
533	4460890	1	Housing - 2 Position	
534	4460889	2	Terminal	
535	4460871	A/R	Socket, Female	
536 to 539	Not Used			
540	4460713	1	Connector, Housing 42 Position (LRG425 With EFI Only)	
541	4460725	1	Connector Wedge Lock, Center (LRG425 With EFI Only)	
542	4460726	2	Connector Wedge Lock, Side (LRG425 With EFI Only)	
543	4460800	29	Connector, Plug (LRG425 With EFI Only)	
544	4460799	7	Pin, Male (LRG425 With EFI Only)	
545 to 546	Not Used			
547	4460728	3	Pin, Male (LRG425 With EFI Only)	
548	Not Used			
549	2400061	2	Fuse (LRG425 With EFI Only)	
550	2400060	2	Holder, Fuse (LRG425 With EFI Only)	
551 to 552	Not Used			
553	4460742	1	Connector, Male - 2 Position	
554 to 559	Not Used			

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FIGURE 7-9. HARNESS COMPONENTS INSTALLATION (WITH ADE SYSTEM) (S/N 62137 TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
560	4460582	3	Terminal (LRG425 With EFI Only)	7/G
561	4460580	1	Lock, Terminal (LRG425 With EFI Only)	
562	4460579	1	Housing - 3 Position (LRG425 With EFI Only)	
563	3730120	1	Resistor Assembly (S/N 73350 to S/N 85132)	
563A	4460978	1	Receptacle, Male - 2 Position	
563B	4460979	2	Pin, Male	
563C	4460458	2	Seal, Terminal	
563D	3730121	1	Resistor	
	4922490	Ref.	VALVE HARNESS ASSEMBLY	
601	4922490	1	Harness, Assembly	
602 to 615	Not Used			
616	4460499	15	DIN Connector with Diode	
617	4460320	1	Connector, Female - 2 Position	
618	4460268	2	Socket, Female	
619	4460871	21	Socket, Female	
620 to 624	Not Used			
625	4460424	1	Plug, Male - 2 Position	
626	4460267	4	Pin, Male	
		Ref.	STANDARD HARNESS COMPONENTS	
701	4922621	1	Tilt Indicator Harness	
701A	4460226	4	Pin	
701B	4460224	1	Connector, Female - 6 Position	
701C	4460227	4	Pin	
701D	4460225	1	Connector, Female - 6 Position	
701E	4460871	4	Socket, Female	
702	Not Used			
703	Not Available	1	Pump Harness	
703A	7007497	1	Plug (Pump End)	
703B	7007498	1	Plug (Engine Harness End)	
704	Not Available	1	Controller Harness Assembly (Lift and Swing)	
704A	7022819	1	Plug, Male - 8 Position (Natural)	
704B	4460871	8	Socket, Female	
705	Not Available	1	Controller Harness/Circuit Board Assembly (Drive and Steer)	
705A	7022825	1	Plug, Male - 8 Position (Black)	
705B	4460871	7	Socket, Female	
706	Not Available	1	Ford Engine Harness (For replacement parts refer to Ford engine dealer (Ford EFI Engine Machines)	
707	Not Available	1	Dual Fuel Shut-Off Filter Harness	
	7023679	1	Electrical Connector Kit (Includes [1] 2 Position Connector, 2 Pins & 2 Seals)	

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FIGURE 7-9. HARNESS COMPONENTS INSTALLATION (WITH ADE SYSTEM) (S/N 62137 TO S/N 85132) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	OPTIONAL HARNESS COMPONENTS	
801	0258075	Ref.	AC (110Volt) to Platform Receptacle Components	1
801A	0860038	1	Box, Receptacle	
	3960422	1	Gasket	
801B	4460346	1	110V GFI Receptacle	
801C	4060700	1	Shield, Cover	
801D	4460205	1	Plug, Male	
801E	1060494	18in/47cm	Cable, Electrical - 12/3	
801F	4460071	1	Connector	
802	0257887	1	Alarm/Harness Assembly	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
802A	4460424	1	Plug	
802B	4460268	2	Socket	
802C		1	Relay Harness Options: (Not Shown)	
	4922123		Motion Alarm	
	4922124		Travel Alarm	
803	Not Available	1	Strobe Light Harness	
803A	4460320	1	Connector, Female - 2 Position	
803B	4460267	2	Pin, Male	
804		Ref	Generator Electrical Components Options:	
	4933158	Ref	Prior to S/N 64254	1
	4933215	Ref	S/N 64254 to S/N 85132	1
	3990010	1	Diode - 6 Amp (Not Shown)	
804A		1	Harness - On/Off Switch Options:	
	4922483		Prior to S/N 64254	
	4922641		S/N 64254 to S/N 85132	
804B	4460320	1	Connector, Female - 2 Position	
804C	4460267	2	Pin, Male	
804D	4460424	1	Plug, Male - 2 Position	
804E	4460268	2	Socket, Female	
804F	4922482	1	Powermite Control Box to Relay	
804G	4460027	1	110V GFI Receptacle	
804H	4460190	1	110V GFI Receptacle	
805	4921827	Ref.	Generator to Rear of Boom Harness (110V)	1
		Ref.	Note: Harness used to connect AC at Platform Harness to Generator Receptacle to power platform receptacle.	
	1060494	20ft/6.1m	Cable, Electrical - 12/3	
805A	4460205	1	Plug, Male (110V)	
805B	4460134	1	Connector, Female (110V)	
806	Not Available	1	Light Harness	
	3740049	1	Relay (Not Shown)	
	1060341	37ft/11.3m	Cable, Electrical 16/2 (Does not Include terminals)	
807	2920140	2	Platform Worklights Harness (Includes Light & Wire Only)	
	2820035	9ft/2.8m	Loom, Vinyl	

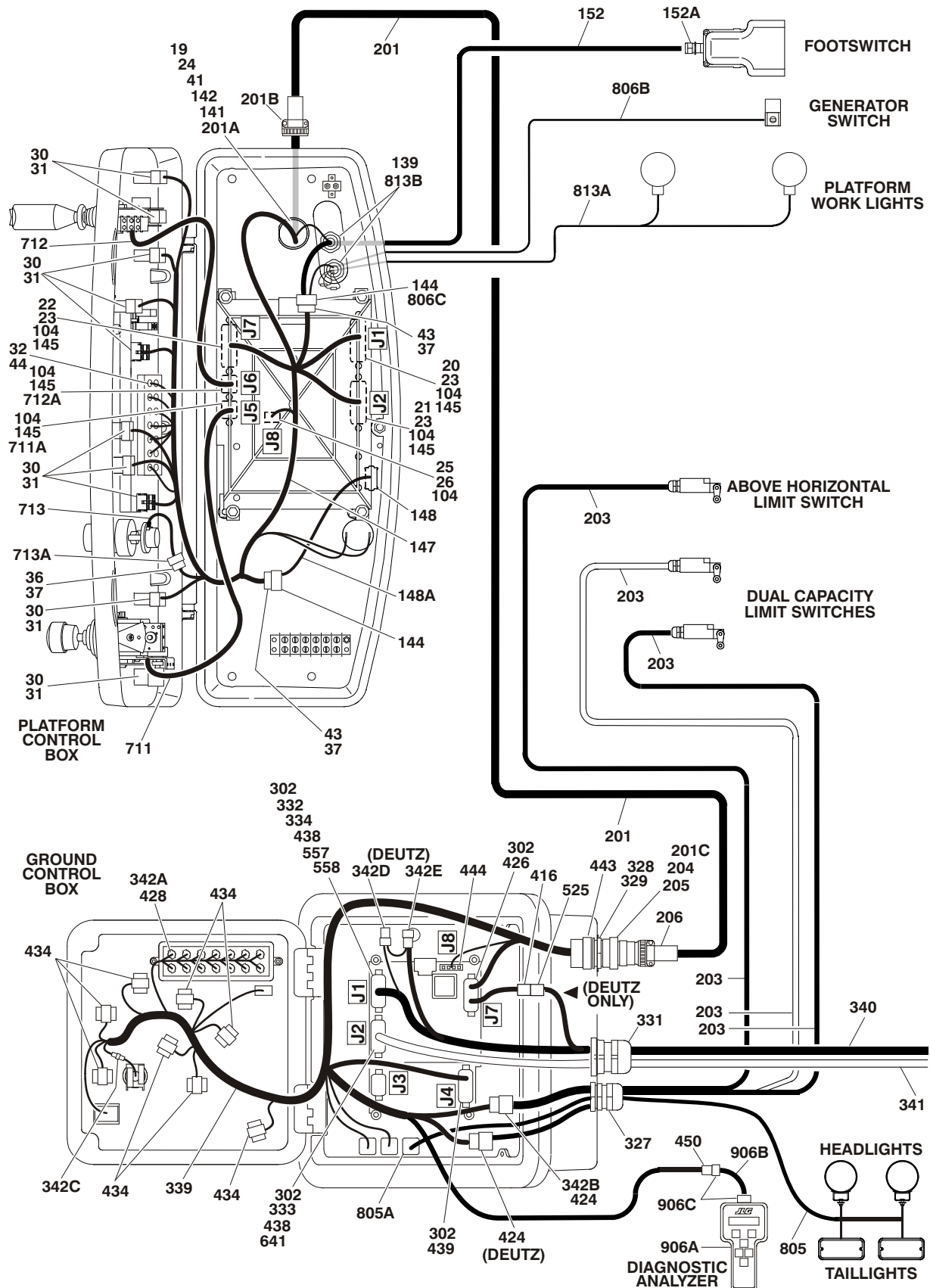
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FIGURE 7-9. HARNESS COMPONENTS INSTALLATION (WITH ADE SYSTEM) (S/N 62137 TO S/N 85132) (CONTINUED)

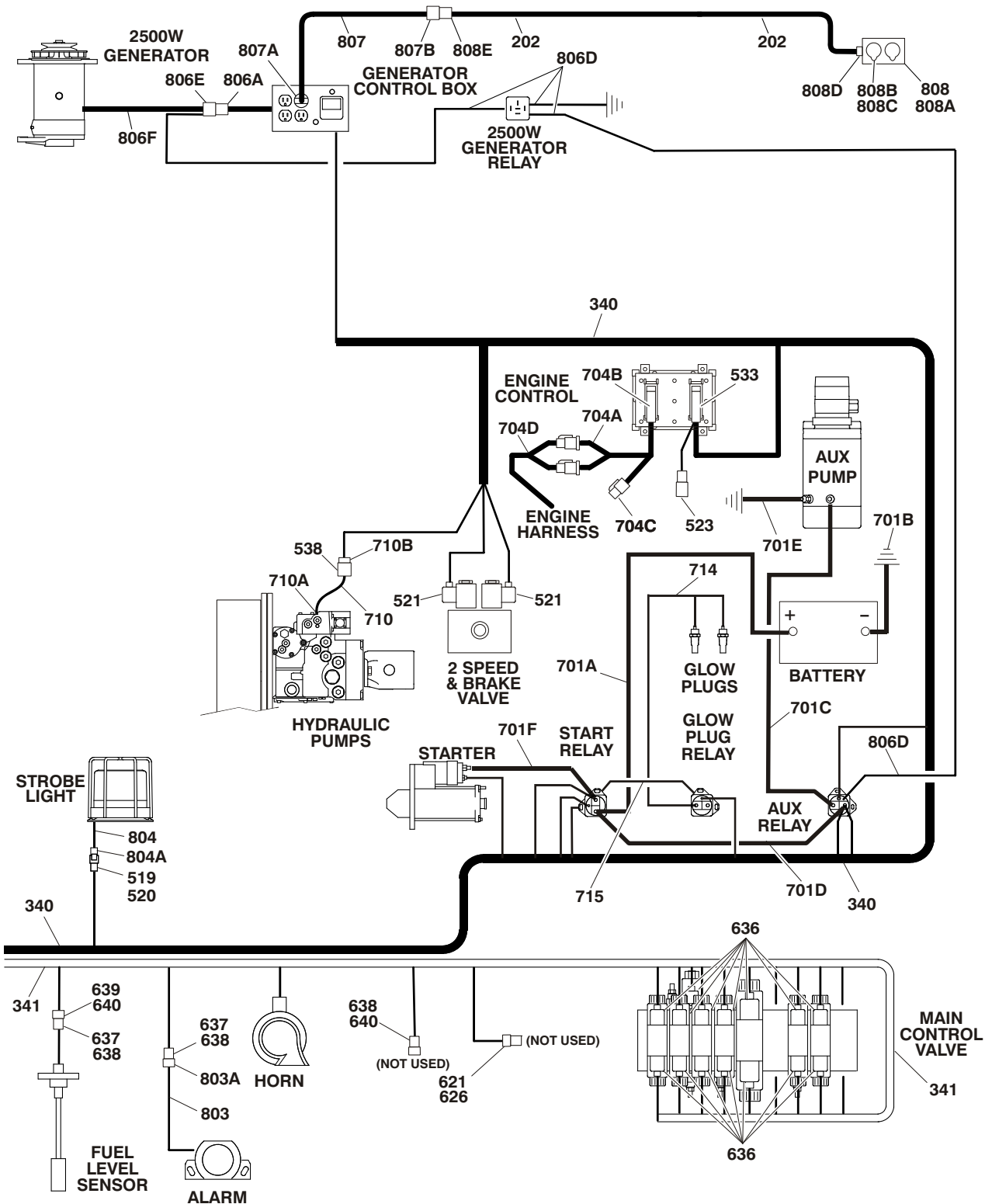
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	TOOLS	
901	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
902	7002823	1	Extractor (For Removal of Pin/Socket from Connectors)	
903	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors)	
	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors)	
904	7002828	1	Stripper, Wire	
905	2901443	1	Analyzer Kit (Not Shown)	

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FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT)



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FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4922639	Ref.	PLATFORM BOX HARNESS ASSEMBLY	7/H
1 to 18	Not Used			
19	4460866	1	Terminal, 19 Pin Receptacle	
20	4460874	1	Connector - 35 Position (Natural)	
21	4460875	1	Connector - 35 Position (Gray)	
22	4460873	1	Connector - 35 Position (Black)	
23	4460871	A/R	Socket, Female	
24	4460464	7	Pin, Male (16 Gauge)	
25	4460879	1	Terminal, Housing 2 Position	
26	4460887	2	Terminal, (12 Gauge)	
27 to 29	Not Used			
30	4460418	9	Connector - 6 Position	
31	4460419	27	Terminal, Female	
32	4120035	A/R	Base, Light	
33 to 35	Not Used			
36	4460225	1	Plug, Male- 6 Position	
37	4460227	6	Pin, Male	
38 to 40	Not Used			
41	4460508	3	Pin, Male (12 Gauge)	
42	Not Used			
43	4460434	2	Connector - 15 Position	
44	2920129	A/R	Lamp, Indicator	
		Ref.	PLATFORM BOX ASSEMBLY COMPONENTS	
101 to 103	Not Used			
104	0100048	A/R	Grease, Dielectric	
105 to 138	Not Used			
139	4460428	2	Connector, Strain Relief	
140	Not Used			
141	4460470	1	Nut, Terminal	
142	4460471	1	Lockwasher, Terminal	
143	Not Used			
144	4460708	2	Connector, Female - 15 Position	
145	4460905	5	Seal, Plug	
146	Not Used			
147	4922639	1	Harness, Platform Console Box (Includes Items 1-44)	
148	4922666	1	Harness, Analyzer Cable	2/B
	4460226	4	Socket, Female (Not Shown - Located at J2)	
148A	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
149 to 151	Not Used			
152	Not Available	1	Footswitch Harness	
	1060918	8ft/2.4m	Cable, Electrical - 18/3	
152A	4460071	1	Connector, Strain Relief	

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FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270807	Ref.	BOOM CABLES INSTALLATION	3
201	4922468	1	Harness, Main Boom	
	1060896	67ft/20.4m	Cable	
201A	4460465	11	Socket, Female - #16	
	4460865	1	Plug, Connector (19 Pin)	
	4460509	4	Socket, Female - #12	
	4460466	4	Seal, Plug	
201B	4460473	1	Clamp, Cable	
201C	4460465	11	Socket, Female - #16	
	4460509	4	Socket, Female - #12	
202	4922889	1	Harness, Generator (Does not include plug ends) (69.5ft/21.8m of 12/3 Cable P/N 1060494)	
203	1061026	1	Cable, Boom Length (25.5ft/7.8m of 18/2 Cable P/N 1060680)	
	1061027	1	Cable, Boom Horizontal (13.5ft/4.2m of 18/2 Cable P/N 1060680)	
204	4460865	1	Plug, Connector (19 Pin)	
205	4460466	4	Seal, Plug	
206	4460473	1	Clamp, Cable	
207	4100026	10ft/3.0m	Sleeve, Nylon	
		Ref.	GROUND CONTROL BOX COMPONENTS	
301	Not Used			
302	0100048	A/R	Grease, Dielectric	
303 to 326	Not Used			
327	4460426	2	Connector, Strain Relief	
328	4460470	1	Nut, Terminal	
329	4460471	1	Lockwasher, Terminal	
330	Not Used			
331	4460526	1	Connector, Strain Relief	
332	4460874	1	Connector (Natural)	
333	4460875	1	Connector (Gray)	
334	4460905	4	Connector, Amp Seal Plug	
335 to 338	Not Used			
339		1	Ground Control Box Harness Assembly Options (See Items 401-450 for Breakdown):	
	4923213		Prior to S/N 99060	
	4923577		S/N 99060 to Present	
340	4923212		Engine Harness Assembly (See 501 to 557 for Breakdown)	
341	4923206	1	Valve Harness Assembly (See 601 to 646 for Breakdown)	2/B
342		1	Ground Control Box Wiring Diagram Options (Not Shown):	
	4933318		Prior to S/N 99060	
	4933366		S/N 99060 to Present	
342A	2920129	A/R	Bulb, Light	
342B	4460708	2	Receptacle, Female - 15 Position	
	4460226	13	Socket, Female	
	4922637	1	Harness, Jumper (Not Shown)	

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FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
342C	2400065	1	Fuse, 30Amp	E A
	2400066	1	Fuse, Holder with Cover	
342D	4460894	1	Plug, Male - 6 Position	
	4460892	1	Receptacle, Female - 6 Position	
342E	2902443	1	Receptacle Kit	
	4461071	8	Socket, Female	
	4461072	1	Receptacle	
	4461073	1	Cap, Dust	
	4461074	1	Shell, Black	
		Ref.	GROUND CONTROL HARNESS ASSEMBLIES	
	4923213	Ref.	Prior to S/N 99060	
	4923577	Ref.	S/N 99060 to Present	
401 to 415	Not Used			
416	4460536	1	Connector, Female 3- Position	
	4460943	3	Pin, Male	
417 to 420	Not Used			
421	3990010	2	Diode - 6 Amp (Not Shown)	
422 to 423	Not Used			
424	4460434	2	Plug, Male 15 - Position	
	4460227	A/R	Pin	
425	Not Used			
426	4460873	1	Plug, Male - 35 Position (Black)	
	4460871	A/R	Socket, Female	
	4460905	A/R	Plug, Seal	
427	Not Used			
428	4120035	5	Base, Light	
	4460634	6	Terminal (16 Gauge)	
	4460635	4	Terminal (12 Gauge)	
429 to 433	Not Used			
434	4460418	7	Connector, Female - 6 Position	
	4460419	21	Socket, Female	
435 to 437	Not Used			
438	4460871	A/R	Socket, Female	
439	4460876	1	Plug, Male - 35 Position (Blue)	
	4460871	26	Socket, Female	
	4460905	1	Plug, Seal	
440 to 442	Not Used			
443	4460866	1	Connector - 19 Pin	
	4460464	10	Pin, Male (16 Gauge)	
	4460508	3	Pin, Male (12 Gauge)	
444	4460878	1	Housing, Terminal - 4 Position	
	4460887	3	Terminal (12 Gauge)	
445 to 449	Not Used			
450	4460761	1	Connector, Female 4 - Position	
	4460227	4	Pin, Male	

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FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4923212	Ref.	ENGINE HARNESS ASSEMBLY	E
501 to 518	Not Used			
519	4460424	1	Receptacle, Female - 2 Position	
520	4460268	2	Socket, Female	
521	4460880	2	DIN Connector without Diode	
522	Not Used			
523	4461070	1	Receptacle, Female With Resistor (3 Position)	
	4461095	1	Plug, Male - 3 Position	
	4460944	3	Socket, Female	
524	Not Used			
525	4460539	1	Connector, Male - 3 Position	
	4460944	3	Socket, Female	
526 to 532	Not Used			
533	4461052	1	Connector, Receptacle - 25 Position	
	4461005	5	Terminal (Gold)	
	4461006	5	Seal, Terminal	
	4461060	2	Terminal (Tin)	
	4461054	2	Seal, Terminal	
	4461053	1	Cover, Plug	
534 to 537	Not Used			
538	4460460	1	Connector, Male - 4 Position	
	4460457	A/R	Terminal, Female	
	4460458	A/R	Seal, Terminal	
539 to 556	Not Used			
557	4460871	A/R	Socket, Female	
558	4460226	2	Socket, Female (S/N 88140 to Present)	
	4923206	Ref.	VALVE HARNESS ASSEMBLY	2/B
601 to 635	Not Used			
636	4460880	15	DIN Connector	
637	4460320	2	Plug, Male - 2 Position	
638	4460267	5	Pin, Male	
639	4460424	1	Receptacle, Female - 2 Position	
640	4460268	5	Socket, Female	
641	4460871	28	Socket, Female	
642 to 644	Not Used			
645	4460326	1	Plug, Male - 3 Position	
646	4460445	1	Receptacle, Female - 3 Position	

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FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	STANDARD HARNESS COMPONENTS	
701	2902296	1	Battery Cable Kit	C
		Ref.	Note: 2902296 Rev A version is no longer available. Verify weather machine is equipped with 2 or 3 relays on the engine tray. If there are 3 relays, purchase latest revision of 2902296 kit. If there are 2 relays, purchase individual items as replacement.	
701A	1001116241	1	Cable, Battery (Red) (Machines with 2 Relays on Engine Tray) (was p/n 7027000)	
	1001116240	1	Cable, Battery (Red) (Machines with 3 Relays on Engine Tray) (was p/n 7027000)	
701B	7027004	1	Cable, Battery (Black)	
701C	7027002	1	Cable (Red)	
701D	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit - Purchase as Individual Item if Required)	
701E	7027003	1	Cable (Black)	
701F	7027000	1	Cable, Battery (Red)	
702 to 703	Not Used			
704	Not Available	A/R	Deutz Engine Harness Components	
704A	7027796	1	Deutz Engine Harness	
704B	4461052	1	Receptacle, Female - 25 Position	
	4461053	1	Cover, Receptacle	
	4461005	5	Terminal	
	4461006	5	Seal (Used with p/n 4461005)	
	4461060	2	Terminal	
	4461054	2	Seal (Used with p/n 4461060)	
	4461008	18	Plug, Hole	
704C	7027793	1	Plug-In, Connector	
704D	7027794	1	Deutz Engine Harness (For other replacement parts refer to Deutz engine dealer)	
705 to 709	Not Used			
710	Not Available	1	Pump Harness	
710A	7007497	1	Plug (Pump End)	
710B	7007498	1	Plug (Engine Harness End)	
711	Not Available	1	Controller Harness Assembly (Lift and Swing)	
711A	7022819	1	Plug, Male - 8 Position (Natural)	
	4460871	8	Socket, Female	
712	Not Available	1	Controller Harness/Circuit Board Assembly (Drive and Steer)	
712A	7022825	1	Plug, Male - 8 Position (Black)	
	4460871	7	Socket, Female	
713	Not Available	1	Controller Harness (Speed Control)	
713A	4460224	1	Receptacle, Female - 6 Position	
	4460226	6	Socket, Female	
714	4923451	1	Harness, Glow Plugs (Deutz Engine Machines Only S/N 92707 to Present)	
715	1060904	1	Cable, Jumper (Deutz Engine Machines Only S/N 92707 to Present)	

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FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	OPTIONAL HARNESS COMPONENTS	
801 to 802	Not Used			1
803	0257887	1	Alarm Harness (Includes Alarm)	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
803A	4460424	1	Plug, Male - 2 Position	
803B	4460268	2	Socket, Female	
804	0272507	1	Strobe Light Harness Options (Includes Strobe Light):	
804A	4460320	1	Connector, Female - 2 Position	
804B	4460267	2	Pin, Male	
805	Not Available	1	Headlight & Taillight/Chassis Illumination Harness	
	1060341	37ft/11.3m	Cable, Electrical 16/2	
805A	3740049	1	Relay	
	4460259	3	Terminal	
	4460260	4	Housing, Terminal	
	4460297	1	Terminal	
	4922643	1	Lights Harness for Ground Control Box	1/A
	4460226	2	Socket, Female	
806	4933300	A/R	2500W Generator Electrical Components	1/A
806A	4460321	1	Connector, Male - 4 Position	
	4460906	4	Socket, Female	
806B	4922641	1	Harness - On/Off Switch	
806C	4460226	2	Socket, Female	
806D	4922970	1	Powermite Control Box to Relay	
806E	4460961	1	Connector, Female - 4 Position	
	4460705	4	Pin, Male	
806F	7020193	12ft./3.7m	Cord, Power	
807		1	Generator to Rear of Boom Harness Options: Note: Harness used to connect AC at platform harness to generator receptacle to power platform receptacle.	
	4921827		110V	2
	4921829		110V (Welder)	2
		A/R	Cable, Electrical - 12/3 Options:	
	1060494	20ft/6m	110V	
	1060494	6ft/2m	110V (Welder)	
807A	4460205	1	Plug, Male	
	4460027	1	Receptacle, Twist Lock	
807B	4460134	1	Receptacle, Female	
808	0258075	Ref.	AC to Platform Receptacle Components	1
808A	0860038	1	Box, Switch	
808B	4460346	1	Receptacle	
808C	4060700	1	Shield, Cover	
	3960422	1	Gasket	
808D	4460071	1	Connector, Strain Relief	
808E	4460205	1	Plug, Male	
809 to 812	Not Used			

SECTION 7 ELECTRICAL

FIGURE 7-10. HARNESS COMPONENTS INSTALLATION (DEUTZ EMR2) (S/N 85132 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
813		A/R	Platform Worklights Components	1/A
813A	2920140	2	Platform Worklights External Harness (Includes Light & Wire Only)	
813B	4460426	1	Connector, Strain Relief	
		Ref.	TOOLS	
901	7002821	1	Crimper (For Wire to Pin/Socket Connections) (Not Shown)	
902	7002823	1	Extractor (For Removal of Pin/Socket from Connectors) (Not Shown)	
903	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
904	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
905	7002828	1	Stripper, Wire (Not Shown)	
906	2901443	1	Analyzer Kit (Not Shown)	
906A	1600244	1	Analyzer	
906B	1060633	1	Cable, Analyzer	
906C	4460321	2	Plug, Male	
	4460226	8	Socket, Female	

SECTION 8 DECALS

SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION - STANDARD (PRIOR TO S/N 87744)

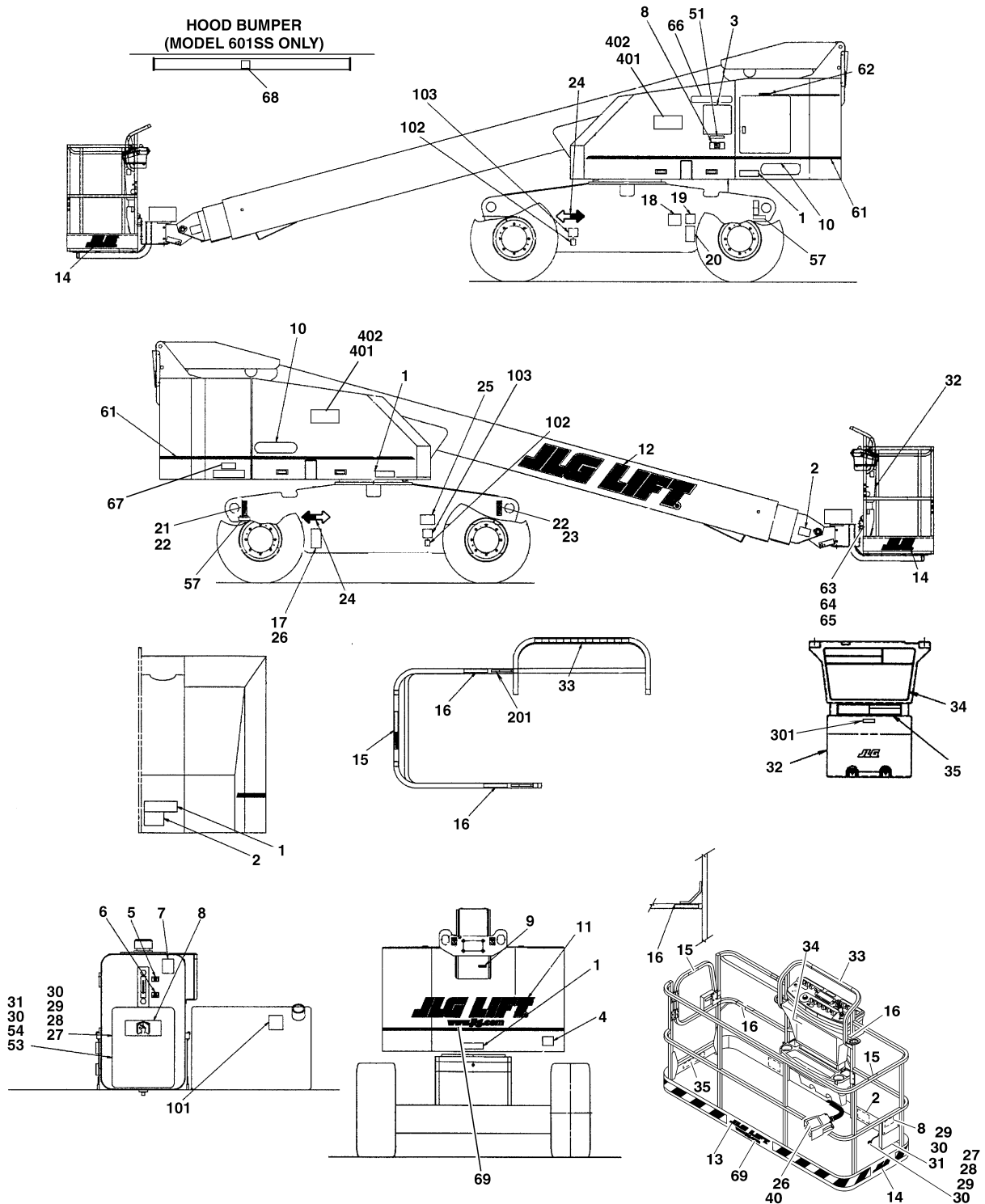


FIGURE 8-1. DECAL INSTALLATION - STANDARD (PRIOR TO S/N 87744)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	STANDARD DECAL INSTALLATIONS	
	0271031	Ref.	Decal - JLG	2
	0258057	Ref.	Model 601S	15
	0259203	Ref.	Model 601S With A "Enhanced Hostile Environment Package"	10
1		4	Decal - Electrocution Options: Prior to S/N 40399 S/N 40399 to S/N 87744	
2		3	Decal - Crushing Options: Prior to S/N 40399 S/N 40399 to S/N 87744	
3		1	Decal - Danger/Warning Options: Prior to S/N 40399 S/N 40399 to S/N 87744	
4	3251813*	1	Decal - USA	
5	1701502*	1	Decal - High Oil Level	
6	1701503*	1	Decal - Low Oil Level	
7	1701504*	1	Decal - Hydraulic Oil	
8	1701509*	1	Decal - Manual	
9	3251243	1	Nameplate - 120V-60Hz	
10	1703765*	2	Decal - Model 601S	
11	1702861*	1	Decal - JLG Lift (8in)	
12	1702862*	1	Decal - JLG Lift (12in)	
13	1702774*	1	Decal - JLG Lift (3 1/2in)	
14	1702773*	2	Decal - JLG (5in)	
15	1702868*	2	Decal - No Hands	
16		3	Decal - Attach Lanyard Here Options: Model 601S (Prior to S/N 47600) Model 601S (S/N 47600 to S/N 87744) Model 601S With A "Enhanced Hostile Environment Package"	
17	Not Available	1	Nameplate - Serial Number	
18	1702153*	1	Decal - Inspection	
19	Not Available	1	Decal - Bar Code	
20	1700584*	1	Decal - Patent	
21	1701499*	2	Decal - Tie Down /Lift	
22	1702300*	4	Decal - Tie Down /Lift	
23	1701500*	2	Decal - Tie Down /Lift	
24	1701529*	4	Decal- Arrow	
25	1702282	1	Decal - Warning (Prior to S/N 40399)	
26	3820001	4	Rivet	
27	0641408	1	Bolt 1/4"-20NC x 1"	
28	1060279	1	Cable, Lanyard	
29	3311405	5	Locknut 1/4"-20NC	
30	4751400	6	Flatwasher 1/4"	
31	0860520	1	Box, Manual Storage	
32	3380434	1	Panel, Pedestal (Prior to S/N 77242)	
33	1702784*	1	Decal - Legend	

SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION - STANDARD (PRIOR TO S/N 87744) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34	1702785 1703797*	1	Decal - Danger/Warning Options: Prior to S/N 40399 S/N 40399 to S/N 87744	
35	1703181 1704096* 1704238	2	Decal - Max Capacity Options: 500 Lbs. Max Cap. - Model 601S (Prior to S/N 40399) 500 Lbs. Max Cap. - Model 601S (S/N 40399 to S/N 87744) 750 Lbs. Max Cap. - Model 601S With A "Enhanced Hostile Environment Package"	
36 to 50	Not Used			
51	1702966 1704104* 1704234	1	Decal - 500LBS Unrestricted Capacity Options: 500 Lbs. Max Cap. - Model 601S (Prior to S/N 40399) 500 Lbs. Max Cap. - Model 601S (S/N 40399 to S/N 87744) 750 Lbs. Max Cap. - Model 601S With A "Enhanced Hostile Environment Package"	
52	Not Used			
53	0641406	4	Bolt 1/4"-20NC x 3/4" (Prior to S/N 51919)	
54	0100011	A/R	Loctite #242	
55 to 56	Not Used			
57	1704243	4	Decal - Tire Load (S/N 69790 to S/N 87744)	
58	0641414	2	Bolt 1/4"-20NC x 1 3/4"	
59	3520172	2	Plug, Spec. Square 1 1/2" (S/N 36294 to S/N 52687)	
60	0100010	A/R	Adhesive (S/N 36294 to 52687)	
61	4280308	25ft/7.6m	Strip (S/N 36294 to S/N 87744)	
62	1700037	1	Decal - Ground Control	
63	0641606	2	Bolt 3/8"-16NC x 3/4" (S/N 36294 to S/N 87744)	
64	4751600	2	Flatwasher 3/8" (S/N 36294 to S/N 87744)	
65	3311605	2	Locknut 3/8" (S/N 36294 to S/N 87744)	
66	1703808*	1	Decal - Legend (S/N 40399 to S/N 87744)	
67	Not Required 1704237	1	Decal - Engine Air Cleaner Options: Model 601S Model 601S With A "Enhanced Hostile Environment Package"	
68	Not Required 1704235	2	Decal - No Step Options: Model 601S Model 601S With A "Enhanced Hostile Environment Package"	
69	1704885 2910034	2	Decal - Website Decal Kit - Standard Model 601S (Note: Items with * Included in Kit)	
		Ref.	DECAL INSTALLATION (OPTIONAL PARTS)	
101	1701542 1701505	1	Decal - Fuel Options: Gas Diesel	
102	1701543	1	Decal - Lp Gas	
103	1700818	1	Decal - Liquid Withdrawal System	

SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION - STANDARD (PRIOR TO S/N 87744) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
201	0256488	Ref.	PROP 65 DECAL INSTALLATION - MODEL 601S GAS MACHINES	—
	0256487	Ref.	PROP 65 DECAL INSTALLATION - MODELS 601S/601S WITH A “ENHANCED HOSTILE ENVIRONMENT PACKAGE” DIESEL MACHINES	2
	1702961	1	Decal -Prop 65 Options: Gas Machines	D
	1702962		Diesel Machines	
	0253550	Ref.	DECAL INSTALLATION - CSA	
301	3252221	1	Decal - Nameplate	1
	0259068	Ref.	LIFTING DECAL INSTALLATION - MODEL 601S WITH A “ENHANCED HOSTILE ENVIRONMENT PACKAGE”	
401	3252621	2	Decal - Lifting Diagram	
402	3820001	8	Rivet	

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601S



FIGURE 8-2. DECAL INSTALLATION - STANDARD (S/N 87744 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	STANDARD DECAL INSTALLATIONS	
	0274093	Ref.	Decal - JLG	1
	0273909	Ref.	Model 601S	1/A
	0273910	Ref.	Model 601S With A "Enhanced Hostile Environment Package"	1/A
1	Not Used			
2	1701499	2	Decal - Tie Down /Lift	
3	1701502	1	Decal - High Oil Level	
4	1701503	1	Decal - Low Oil Level	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal- Arrow	
7 to 9	Not Used			
10	1703811	2	Decal - Tie Down /Lift	
11	1703814	4	Decal - Tie Down	
12	1704277	4	Decal - Attach Lanyard	
13	1704412	1	Decal - Hydraulic Oil Chart	
14 to 16	Not Used			
17	3251243	1	Nameplate - 120V-60Hz	
18 to 20	Not Used			
21	1702153	1	Decal - Inspection	
22	1703953	4	Decal - Warning/Crushing	
23	Not Used			
24	1702868	2	Decal - No Hands	
25	1703797	1	Decal - Warning/Danger	
26	1705336	1	Decal - Warning Inspection	
27	1703804	6	Decal - Warning Crushing	
28	1703805	4	Decal - Danger Electrocution	
29	Not Used			
30	3251813	1	Decal - USA	
31 to 32	Not Used			
33	2902352	1	Decal Kit - Tire Load	
	1704243	4	Decal - Tire Load	
34	Not Available	1	Decal - Bar Code	
35	1703765	2	Decal - Model 601S	
36	Not Used			
37		2	Decal - Max Capacity Options: 500 Lbs. Max Cap. - Model 601S 750 Lbs. Max Cap. - Model 601S With A "Enhanced Hostile Environment Package"	
38		1	Decal - 500LBS Unrestricted Capacity Options: 500 Lbs. Max Cap. - Model 601S 750 Lbs. Max Cap. - Model 601S With A "Enhanced Hostile Environment Package"	
	1704104			
	1704234			
39	1704885	2	Decal - Website	
40	Not Available	1	Nameplate - Serial Number	
41	1702861	3	Decal - JLG Lift (8in)	
42	1702774	1	Decal - JLG Lift (3 1/2in)	
43	1702773	2	Decal - JLG (5in)	
44	1701505	1	Decal - Fuel	

SECTION 8 DECALS

FIGURE 8-2. DECAL INSTALLATION - STANDARD (S/N 87744 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45 to 46	Not Used			
47	0100011	A/R	Loctite #242	
48	0641408	1	Bolt 1/4"-20NC x 1"	
49	0860520	1	Box, Manual Storage	
50	1060279	1	Cable, Lanyard	
51	3311405	5	Locknut 1/4"-20NC	
52	3820001	9	Rivet	
53	4751400	10	Flatwasher 1/4"	
54	0641606	2	Bolt 3/8"-16NC x 3/4"	
55	4751600	2	Flatwasher 3/8"	
56	3311605	2	Locknut 3/8"	
57	1700037	1	Decal - Ground Control	
58	4280308	25ft/7.6m	Strip	
59 to 61	Not Used			
62	1700584	1	Decal - Patent	
63	1702784	1	Decal - Legend	
64	1703808	1	Decal - Legend	
	2902303	1	Master Decal Kit (Includes Items 2-17)	
	2902307	1	ANSI Spec Decal Kit (Includes Items 19-31)	
	0256487	Ref.	PROP 65 DECAL INSTALLATION	2
101	1702962	1	Decal -Prop 65	
	0259068	Ref.	LIFTING DECAL INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE"	1
201	3252621	2	Decal - Lifting Diagram	
202	3820001	8	Rivet	
	0258336	Ref.	LIFTING PLATE INSTALLATION	1
301	1701500	4	Decal - Tie Down /Lift	

FIGURE 8-2. DECAL INSTALLATION - STANDARD (S/N 87744 TO PRESENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO S/N 87744)

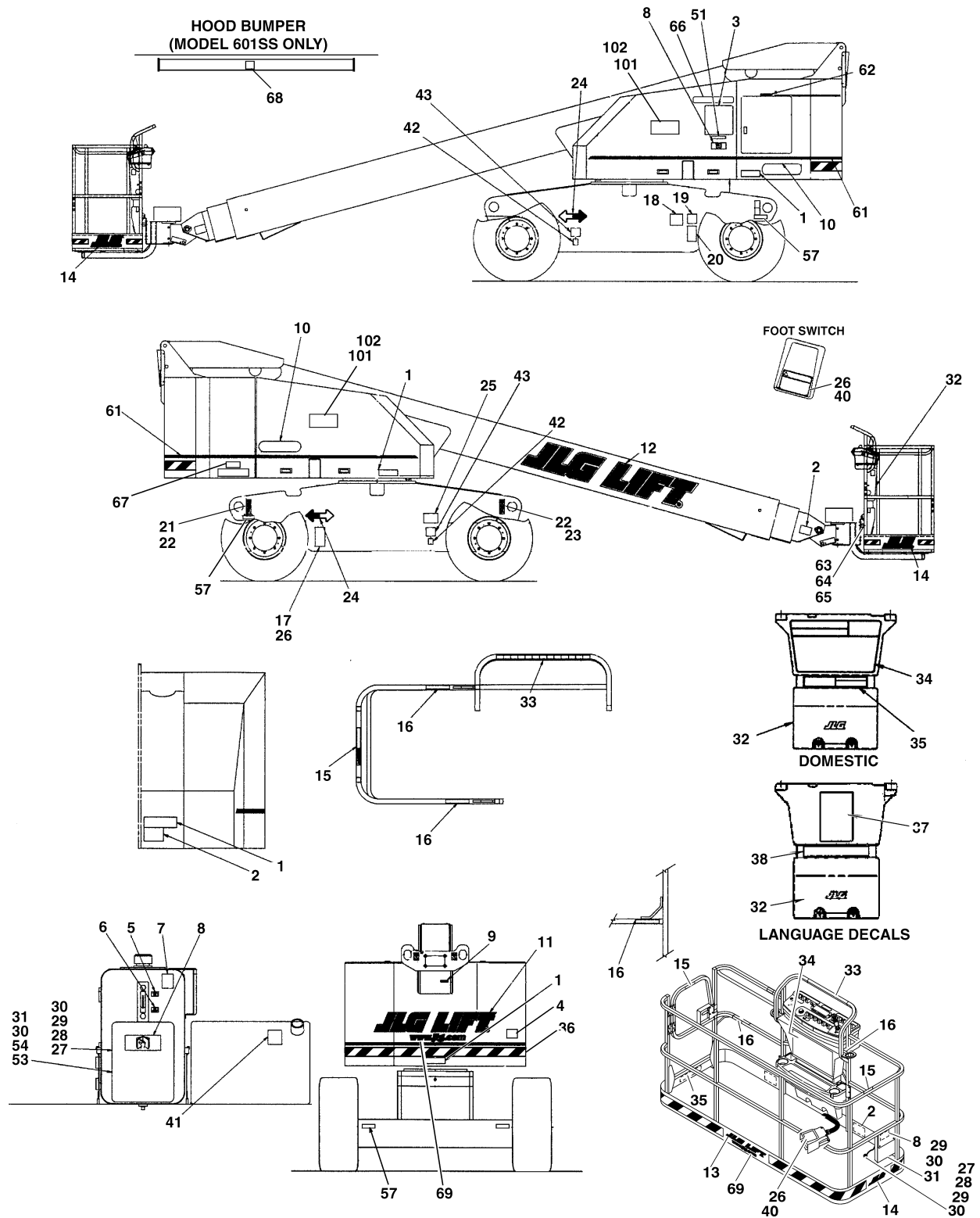


FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO S/N 87744)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DECAL INSTALLATIONS	
	0271031	Ref.	Decal - JLG	2
		Ref.	Model 601S:	
	0259502	Ref.	Canadian French Language	9
	0259263	Ref.	Chinese Language	9
	0259275	Ref.	Japanese Language	8
	0259279	Ref.	Korean Language	8
	0259473	Ref.	Latin America Language	9
		Ref.	Model 601S With A “Enhanced Hostile Environment Package”:	
	0259503	Ref.	Canadian French Language	9
	0259261	Ref.	Chinese Language	8
	0259276	Ref.	Japanese Language	8
	0259262	Ref.	Korean Language	8
	0259491	Ref.	Latin America Language	9
1		4	Decal - Electrocution Options:	
	1703936		Canadian French Language	
	1703937		Chinese Language	
	1703938		Japanese Language	
	1703939		Korean Language	
	1703940		Latin America Language	
2		3	Decal - Crushing Options:	
	1703948		Canadian French Language	
	1703949		Chinese Language	
	1703950		Japanese Language	
	1703951		Korean Language	
	1703952		Latin America Language	
3		1	Decal - Danger/Warning Options:	
	1703930		Canadian French Language	
	1703931		Chinese Language	
	1703932		Japanese Language	
	1703933		Korean Language	
	1703934		Latin America Language	
4		1	Decal - USA Options:	
	3251813		Canadian French Language	
	Not Required		Chinese Language	
	Not Required		Japanese Language	
	Not Required		Korean Language	
	3251813		Latin America Language	
5	1701502	1	Decal - High Oil Level	
6	1701503	1	Decal - Low Oil Level	
7	1701504	1	Decal - Hydraulic Oil	
8	1701509	1	Decal - Manual	
9		1	Nameplate - 120V-60Hz Options:	
	3251243		Canadian French Language	
	Not Required		Chinese Language	
	Not Required		Japanese Language	
	Not Required		Korean Language	

SECTION 8 DECALS

FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO S/N 87744) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
9 (cont'd)	3251243		Latin America Language	
10	1703765	2	Decal - Model 601S	
11	1702861	1	Decal - JLG Lift (8in)	
12	1702862	1	Decal - JLG Lift (12in)	
13	1702774	1	Decal - JLG Lift (3 1/2in)	
14	1702773	2	Decal - JLG (5in)	
15		2	Decal - No Hands Options:	
	1704000		Canadian French Language	
	Not Required		Chinese Language	
	Not Required		Japanese Language	
	Not Required		Korean Language	
	1704002		Latin America Language	
16	1704277	3	Decal - Attach Lanyard Here	
17	Not Available	1	Nameplate - Serial Number	
18		1	Decal - Inspection Options:	
	1704003		Canadian French Language - Model 601S (Prior to S/N 61068)	
	1704006		Canadian French Language - Model 601S (S/N 61068 to S/N 87744)	
	1704003		Canadian French Language - Model 601S With A "Enhanced Hostile Environment Package" (Prior to S/N 61068)	
	1704277		Canadian French Language - Model 601S With A "Enhanced Hostile Environment Package" (S/N 61068 to S/N 87744)	
	Not Required		Chinese Language	
	Not Required		Japanese Language	
	Not Required		Korean Language	
	1704008		Latin America Language	
19	Not Available	1	Decal - Bar Code	
20	1700584	1	Decal - Patent	
21	1701499	2	Decal - Tie Down /Lift	
22	1702300	4	Decal - Tie Down /Lift	
23	1701500	2	Decal - Tie Down /Lift	
24	1701529	4	Decal- Arrow	
25	Not Required			
26	3820001	8	Rivet	
27	0641408	1	Bolt 1/4"-20NC x 1"	
28	1060279	1	Cable, Lanyard	
29	3311405	5	Locknut 1/4"-20NC	
30	4751400	6	Flatwasher 1/4"	
31	0860520	1	Box, Manual Storage	
32	3380434	1	Panel, Pedestal (Prior to S/N 77242)	
33		1	Decal - Legend Options:	
	1702784		Canadian French Language	
	Not Required		Chinese Language	
	Not Required		Japanese Language	
	Not Required		Korean Language	
	Not Required		Latin America Language	

SECTION 8 DECALS

FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO S/N 87744) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34	1704099 Not Required Not Required Not Required 1703928	1	Decal - Danger/Warning Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
35	Not Required 1704101 Not Required Not Required 1704100	2	Decal - Warning/500 Lbs. Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language (Model 601S Only)	
36	Not Required 4420051 4420051 4420051 Not Required	17.4ft/5.3m	Warning Strips Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
37	Not Required 1703925 1703926 1703927 Not Required	1	Decal - Warning/Danger Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
38	Not Required 1703996 1704101 1703996 1703996 Not Required	1 1	Decal - 230/500 Max Cap. Options: Model 601S: Canadian French Language Chinese Language (Prior to S/N 76408) Chinese Language (S/N 76408 to S/N 87744) Japanese Language Korean Language Latin America Language	
39	Not Used		Decal - 340/750 Max Cap. Options: Model 601S With A "Enhanced Hostile Environment Package"	
40	1703984 1703982 1703980 1703981 1703985	1	Decal - Footswitch Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
41	1701542 1701505	1	Decal - Fuel Options: Gas Diesel	

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO S/N 87744) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
42	1701543 Not Required Not Required Not Required 1701543	1	Decal - LP Gas Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
43	1700816 Not Required Not Required Not Required 1700816	1	Decal - LP Gas Liquid Withdrawal System Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
44 to 50	Not Used			
51		1	Decal - 500LBS Unrestricted Capacity Options:	
	1704107 Not Required Not Required Not Required 1704108	1	Model 601S: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
		1	Decal - 340/750 Max Cap. Options: Model 601S With A "Enhanced Hostile Environment Package" Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
52	Not Used			
53	0641406	4	Bolt 1/4"-20NC x 3/4" (Prior to S/N 51919)	
54	0100011	A/R	Loctite #242	
55 to 56	Not Used			
57	1704243 1704243 1704243 1704243 Not Required	4	Decal - Max Tire Load Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
58	Not Used			
59	3520172	2	Plug, Spec. Square 1 1/2" (Prior to S/N 52687)	
60	0100010	A/R	Adhesive (Prior to S/N 52687)	
61	4280308	25ft/7.6m	Strip	
62	1701515 1704383 1701920 1704382 1701789	1	Decal - Ground Control Options: Canadian French Language Chinese Language Japanese Language Korean Language Latin America Language	
63	0641606	2	Bolt 3/8"-16NC x 3/4"	
64	4751600	2	Flatwasher 3/8"	

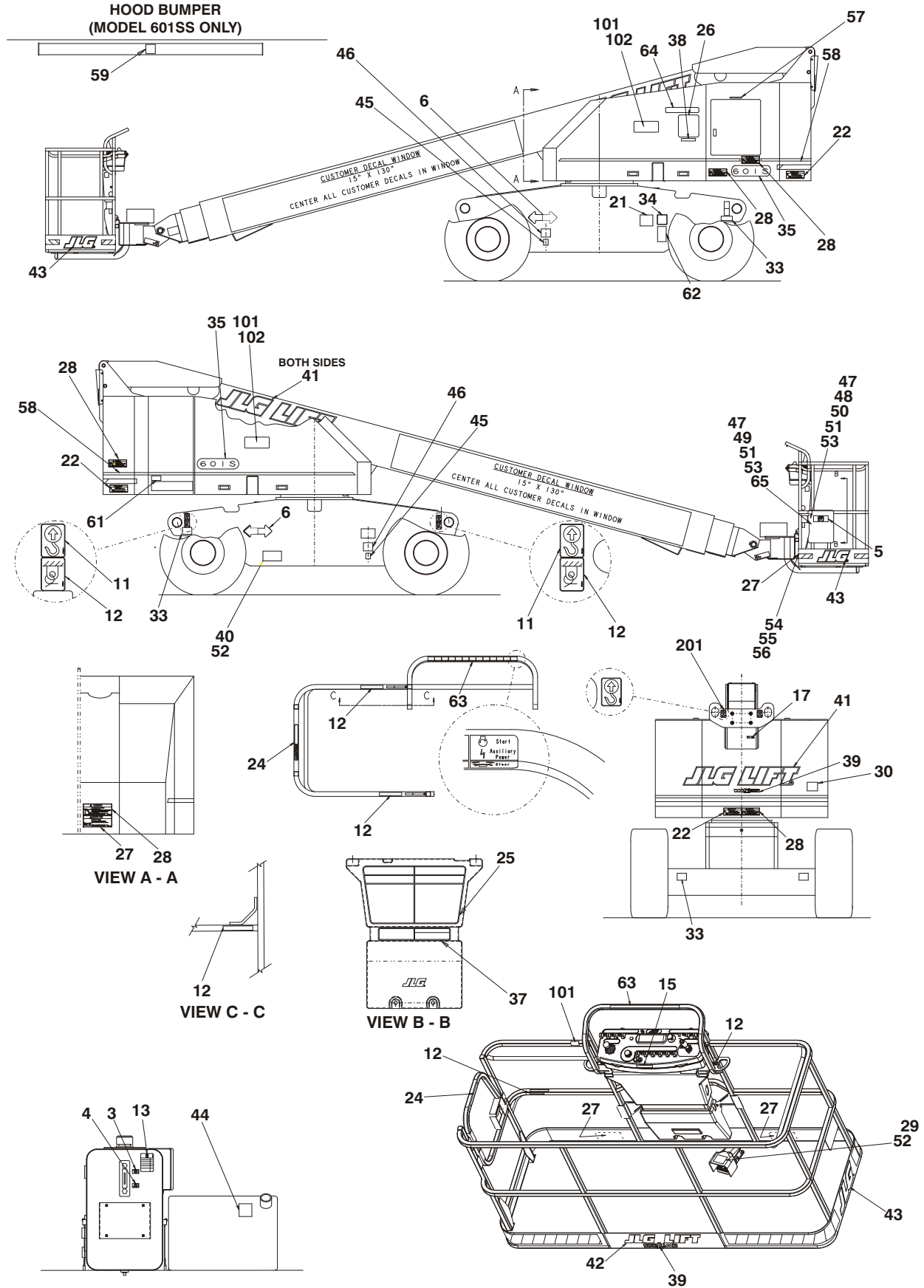
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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO S/N 87744) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
65	3311605	2	Locknut 3/8"	
66		1	Decal - Legend Options:	
	1703808		Canadian French Language	
	Not Required		Chinese Language	
	Not Required		Japanese Language	
	Not Required		Korean Language	
	Not Required		Latin America Language	
67		1	Decal - Engine Air Cleaner Options:	
	Not Required		Model 601S	
			Model 601S With A "Enhanced Hostile Environment Pack- age":	
	1704408		Canadian French Language	
	1704381		Chinese Language	
	1704381		Japanese Language	
	1704381		Korean Language	
	1704408		Latin America Language	
68		2	Decal - No Step Options:	
	Not Required		Model 601S:	
	1704235		Model 601S With A "Enhanced Hostile Environment Pack- age"	
69	1704885	2	Decal - Website	
		Ref.	LIFTING DECAL INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE"	
	0259068	Ref.	ANSI	1
	0270017	Ref.	ANSI EXPORT	1
101		2	Decal - Lifting Diagram Options:	
	3252621		ANSI	
	3252671		ANSI Export	
102	3820001	8	Rivet	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (S/N 87744 TO PRESENT)



SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (S/N 87744 TO PRESENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DECAL INSTALLATIONS	
	0274093	Ref.	Decal - JLG	1
		Ref.	Model 601S:	
	0274001	Ref.	Brazilian Language	4
	0273997	Ref.	Canadian French Language	3
	0273993	Ref.	Chinese Language	4
	0274003	Ref.	Japanese Language	4
	0273991	Ref.	Korean Language	4
	0273995	Ref.	Latin America Language	3
		Ref.	Model 601S With A "Enhanced Hostile Environment Package":	
	0274002	Ref.	Brazilian Language	4
	0273998	Ref.	Canadian French Language	3
	0273994	Ref.	Chinese Language	4
	0274004	Ref.	Japanese Language	4
	0273992	Ref.	Korean Language	4
	0273996	Ref.	Latin America Language	3
1	Not Used			
2	1701499	2	Decal - Tie Down /Lift	
3	1701502	1	Decal - High Oil Level	
4	1701503	1	Decal - Low Oil Level	
5	1701509	1	Decal - Manual	
6	1701529	4	Decal- Arrow	
7 to 9	Not Used			
10	1703811	2	Decal - Tie Down /Lift	
11	1703814	4	Decal - Tie Down	
12	1704277	4	Decal - Attach Lanyard	
13	1704412	1	Decal - Hydraulic Oil Chart	
14	Not Used			
15		A/R	Decal - CSA Options:	
	1705514	1	CSA Spec Only	
	Not Required	0	All Other Specs	
16	Not Used			
17		1	Nameplate Options:	
	3251243		120V-60Hz	
	3252507		220V-50/60Hz	
18 to 20	Not Used			
21		A/R	Decal - Inspection Options:	
	1705901	1	Brazilian Spec	
	Not Required	0	Chinese Spec	
	1704006	1	CSA Spec	
	Not Required	0	Japanese Spec	
	Not Required	0	Korean Spec	
	1704007	1	Latin American Spec	

SECTION 8 DECALS

**FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (S/N 87744 TO PRESENT)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
22	1705903 1703943 1703942 1703944 1703945 1703941	4	Decal - Warning/Crushing Options: Brazilian Spec Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	
23	Not Used			
24	1705967 1705968 1704000 Not Required 1705969 1704001	A/R 2 2 2 0 2 2	Decal - No Hands Options: Brazilian Spec Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	
25	1705895 1703925 1703924 1703926 1703927 1703923	1	Decal - Danger/Warning Options: Brazilian Spec Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	
26	1705896 1705348 1705347 1705344 1705345 1705917	1	Decal - Warning Inspection Options: Brazilian Spec Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	
27	1705898 1703949 1703948 1703950 1703951 1703947	A/R 6 6 6 6 4 6	Decal - Warning Crushing Options: Brazilian Spec Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	
28	1705897 1703937 1703936 1703938 1703939 1703935	5	Decal - Danger Electrocution Options: Brazilian Spec Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	

SECTION 8 DECALS

**FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (S/N 87744 TO PRESENT)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
29		1	Nameplate - Footswitch Options:	
	1705902		Brazilian Spec	
	1703982		Chinese Spec	
	1703984		CSA Spec	
	1703980		Japanese Spec	
	1703981		Korean Spec	
	1703983		Latin American Spec	
30		A/R	Decal - USA Options:	
	3251813	1	All Specs Except Korean Spec	
	Not Required	0	Korean Specs	
31 to 32	Not Used			
33	2902352	1	Decal Kit - Tire Load	
	1704243	4	Decal - Tire Load	
34	Not Available	1	Decal - Bar Code	
35	1703765	2	Decal - Model 601S	
36	Not Used			
37		2	Decal - Max Capacity Options:	
			Model 601S	
			Prior to S/N 100527:	
	1706380		Brazilian Spec	
	1704101		Chinese Spec	
	1704099		CSA Spec	
	1703996		Japanese Spec	
	1703996		Korean Spec	
	1704100		Latin American Spec	
			S/N 100527 to Present:	
	1706380		Brazilian Spec	
	1707060		Chinese Spec	
	1704099		CSA Spec	
	1707059		Japanese Spec	
	1707058		Korean Spec	
	1704198		Latin American Spec	
			Model 601S With A "Enhanced Hostile Environment Package"	
			Prior to S/N 100527:	
	1706382		Brazilian Spec	
	1704233		Chinese Spec	
	1704233		CSA Spec	
	1703996		Japanese Spec	
	1704233		Korean Spec	
	1704233		Latin American Spec	
			S/N 100527 to Present:	
	1707057		Brazilian Spec	
	1707151		Chinese Spec	
	1707154		CSA Spec	
	1707059		Japanese Spec	
	1707150		Korean Spec	
	1707152		Latin American Spec	

SECTION 8 DECALS

**FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (S/N 87744 TO PRESENT)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
38		1	Decal - Unrestricted Capacity Options: Model 601S Prior to S/N 100527: 1706381 Brazilian Spec Not Required Chinese Spec 1704107 CSA Spec Not Required Japanese Spec Not Required Korean Spec 1704108 Latin American Spec S/N 100527 to Present: 1707051 Brazilian Spec 1707044 Chinese Spec (S/N 102531 to Present) 1707046 CSA Spec 1707054 Japanese Spec (S/N 102531 to Present) 1707042 Korean Spec (S/N 102531 to Present) 1707048 Latin American Spec Model 601S With A "Enhanced Hostile Environment Package" Prior to S/N 100527: 1706382 Brazilian Spec Not Required Chinese Spec 1704409 CSA Spec Not Required Japanese Spec Not Required Korean Spec 1704409 Latin American Spec S/N 100527 to Present: 1707052 Brazilian Spec 1001091442 Chinese Spec 1707155 CSA Spec 1707054 Japanese Spec (S/N 102531 to Present) 1001091443 Korean Spec 1707153 Latin American Spec	
39	1704885	2	Decal - Website	
40	Not Available	1	Nameplate - Serial Number	
41	1702861	3	Decal - JLG Lift (8in)	
42	1702774	1	Decal - JLG Lift (3 1/2in)	
43	1702773	2	Decal - JLG (5in)	
44	1701505	1	Decal - Fuel	
45 to 46	Not Used			
47	0100011	A/R	Loctite #242	
48	0641408	1	Bolt 1/4"-20NC x 1"	
49	0860520	1	Box, Manual Storage	
50	1060279	1	Cable, Lanyard	
51	3311405	5	Locknut 1/4"-20NC	
52	3820001	A/R	Rivet	
53	4751400	10	Flatwasher 1/4"	
54	0641606	2	Bolt 3/8"-16NC x 3/4"	
55	4751600	2	Flatwasher 3/8"	
56	3311605	2	Locknut 3/8"	

SECTION 8 DECALS

**FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (S/N 87744 TO PRESENT)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
57	1701789 1704382 1701515 1701920 1704382 1701789	1	Decal - Ground Control Options: Brazilian Spec Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	
58	4280308	25ft/7.6m	Strip	
59	Not Required	2	Decal - No Step Options: Model 601S	
60	1704235		Model 601S With A "Enhanced Hostile Environment Package"	
61	Not Used			
61	Not Required	2	Decal - Engine Air Cleaner Options: Model 601S	
	Not Required		Model 601S With A "Enhanced Hostile Environment Package"	
	Not Required		Brazilian Spec	
	1704381		Chinese Spec	
	1704408		CSA Spec	
	1704237		Japanese Spec	
	1704381		Korean Spec	
	1704408		Latin American Spec	
62	1700584	1	Decal - Patent Options:	
	1702573		All Specs Except Brazilian Spec	
63		A/R	Brazilian Specs	
		1	Decal - Legend Options:	
	1702784		All Specs Except Brazilian Spec Options:	
	1706931		Prior to S/N 99060	
	Not Required	0	S/N 99060 to Present	
64		A/R	Brazilian Specs	
		1	Decal - Legend Options:	
	1703808		All Specs Except Brazilian Spec Options:	
	1706941		Prior to S/N 99060	
	Not Required	0	S/N 99060 to Present	
65	0641406	4	Brazilian Specs	
			Bolt 1/4"-20NC x 3/4" (S/N 99060 to Present)	
	2902303	1	Master Decal Kit (Includes Items 2-17)	
		1	Spec Decal Kit Options (Includes Items 19-31):	
	2902312		Brazilian Spec	
	2902309		Chinese Spec	
	2902322		CSA Spec	
	2902308		Japanese Spec	
	2902310		Korean Spec	
	2902311		Latin American Spec	

SECTION 8 DECALS

**FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (S/N 87744 TO PRESENT)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270017	Ref.	LIFTING DECAL INSTALLATION - MODEL 601S WITH A "ENHANCED HOSTILE ENVIRONMENT PACKAGE"	1
101	3252671	2	Decal - Lifting Diagram	
102	3820001	8	Rivet	
	0258336	Ref.	LIFTING PLATE INSTALLATION	1
201	1701500	4	Decal - Tie Down /Lift	

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 601S

The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.

Part Number	Description	Qty./Machine
STANDARD PARTS		
2120149	Element, Filter (Figure 2-2)	4
2120210	Element Filter (Figure 2-2)	4
7012943	Coil (Figure 2-2)	1
7012944	Coil (Figure 2-4)	1
7012772	Coil (Figure 2-4)	1
7018991	Coil (Figure 2-4)	1
70000582	Coil (Figure 2-4)	1
7012664	Element, Air Cleaner (Figures 2-10, 2-11, 2-12 & 2-15)	1 Dozen
3740067	Relay (Figures 2-10, 2-11, 2-12 & 2-15)	1
4360392	Switch, Indicator (Figures 2-10, 2-11, 2-12 & 2-15)	1
7014803	Breather, Hydraulic Tank (Figure 2-23)	1
4360328	Switch, Toggle (Figures 2-27 & 4-4)	1
3740049	Relay (Figure 2-27)	1
4360469	Switch, Key (Figure 2-27)	1
2860030	Key, Replacement (Figure 2-27)	1
4360475	Switch, Mushroom (Figures 2-27 & 4-4)	1
4360476	Contact, Switch Block (Figures 2-27 & 4-4)	1
7016530	Powertrack Repair Section (Gemco Brand) (Figure 3-5)	2
70002005	Powertrack Repair Kit (Gortrac Brand) (Figure 3-5)	2
7006138	Powertrack Pin Kit (Figure 3-5)	24
2940074	Platform Basket Door Latch (Figures 4-1 & 4-2)	1
4360331	Switch, Toggle (Figure 4-4)	1
4360387	Switch, Push Button (Figure 4-4)	1
7022818	Potentiometer & Wiring Assembly (Figure 4-7)	1
7022824	Potentiometer & Wiring Assembly (Figure 4-10)	1
7019166	Switch, Controller Steer (Figure 4-10)	1
2400065	Fuse 30Amp (Figure 7-10)	1
3990010	Diode (Figure 7-10)	2
VARIABLE PARTS		
7016331	Filter, Oil (Deutz Engine Machines) (Figures 2-10, 2-11 & 2-12)	1 Dozen
7020023	Filter, Fuel (Deutz 3Cyl Engine Machines) (Figure 2-10)	1 Dozen
7016328	Filter, Fuel (Deutz 4Cyl Engine Machines) (Figures 2-11 & 2-12)	1 Dozen
1660234	Coupling, Pump (Deutz Engine Machines) (Figures 2-10, 2-11 & 2-12)	1
3740080	Relay (Deutz Engine 110 Volt Generator) (Figure 2-13)	1
4360336	Switch, Toggle (Deutz Engine 110 Volt Generator) (Figure 2-13)	1
3740080	Relay (Ford Engine Machines) (Figure 2-15)	1
7014501	Filter, Oil (Ford Engine Machines) (Figure 2-15)	1 Dozen
7022135	Filter, Fuel (Ford Engine Machines) (Figure 2-15)	1 Dozen
7016662	Coupling, Pump (Ford Engine Machines) (Figure 2-15)	1
1600411	Module, Ground Control (Figure 2-27)	1
4360578	Switch, Limit (Figure 2-28)	1

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 601S

The following list will service one machine (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.

Part Number	Description	Qty./Machine
4360336	Switch, Toggle (Dual Fuel) (Figure 4-4)	1
4360336	Switch, Toggle (Head & Tail Lights) (Figure 4-4)	1
1600375	Module, Platform Controller (Figure 4-4)	1

SECTION 10

SPECIAL OPTIONS

SECTION 10 SPECIAL OPTIONS

FIGURE 10-1. SPECIAL OPTIONS LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	MISCELLANEOUS SPECIAL OPTIONS	
	0255388	Ref.	Airline to Platform Installation Model - 601 With A "Enhanced Hostile Environment Package"	
	0270723	Ref.	Beacon Light Installation on Platform	
	0256789	Ref.	Camera Mount Assembly	
	0256060	Ref.	Cold Weather Package (Ether Start)	
	0271912	Ref.	Cold Weather Package Installation W/Glow Plug (Deutz Engine)	
	0273254	Ref.	Decal - Hertz Rentals	
	0271107	Ref.	Decal - Sunbelt Rentals	
		Ref.	Decal - United Rentals Options:	
	0270960	Ref.	Prior to S/N 68642	
	0271893	Ref.	S/N 68642 to Present	
	0259428	Ref.	Decal - Warning Stripes	
	0271548	Ref.	Glow Plug Installation	
	0271576	Ref.	Hydraulic Oil Cooler	
	0273738		Loop Flushing Installation	
		Ref.	Platform Mesh Installations	
	0273145	Ref.	36in X 8ft (91.5cm x 2.44m)	
	0273148	Ref.	30in X 6ft (76cm x 1.83m)	
	0273149	Ref.	36in X 6ft (91.5cm x 1.83m)	
	0273146	Ref.	30in X 5ft (76cm x 1.52m)	
	0273147	Ref.	30in X 4ft (76cm x 1.22m)	
	1702868	Ref.	Decal - No Hands (Platform With Mesh to Top Rail)	
	1704000	Ref.	Decal - No Hands - CSA (Platform With Mesh to Top Rail)	
	0271603	Ref.	Platform Top Rail Ext.	
		Ref.	Tool For Service:	
	7002840	1	Antirotation Pin Removal Tool	
	8896941	1	Wire Stripper	
	7002821	1	Wire Crimper (To Install Wire Ends to Wires)	
	7002823	1	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of Pins/Sockets for Deutsch Connectors)	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pins/Sockets for Deutsch Connectors)	

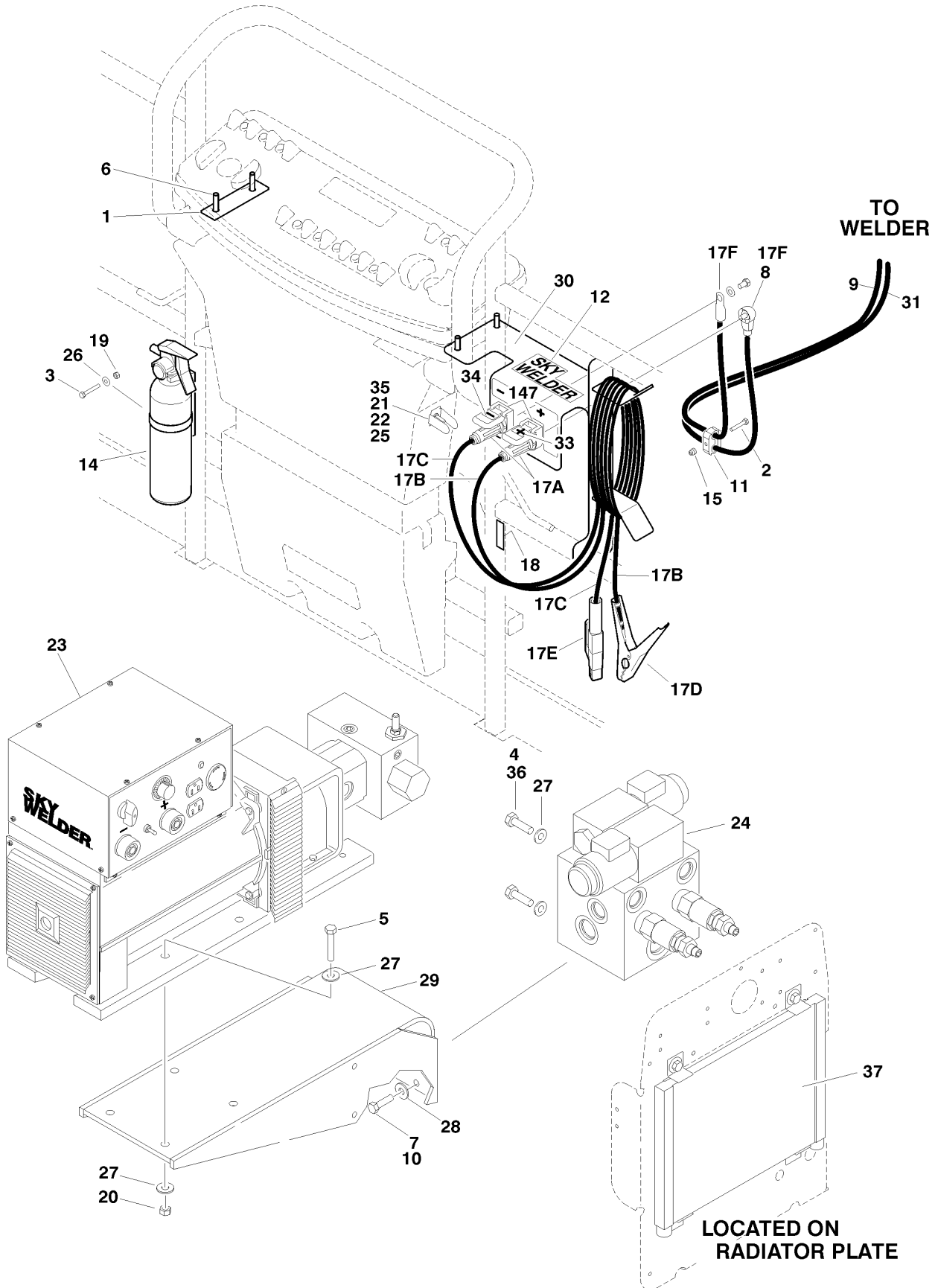
SECTION 10 SPECIAL OPTIONS

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

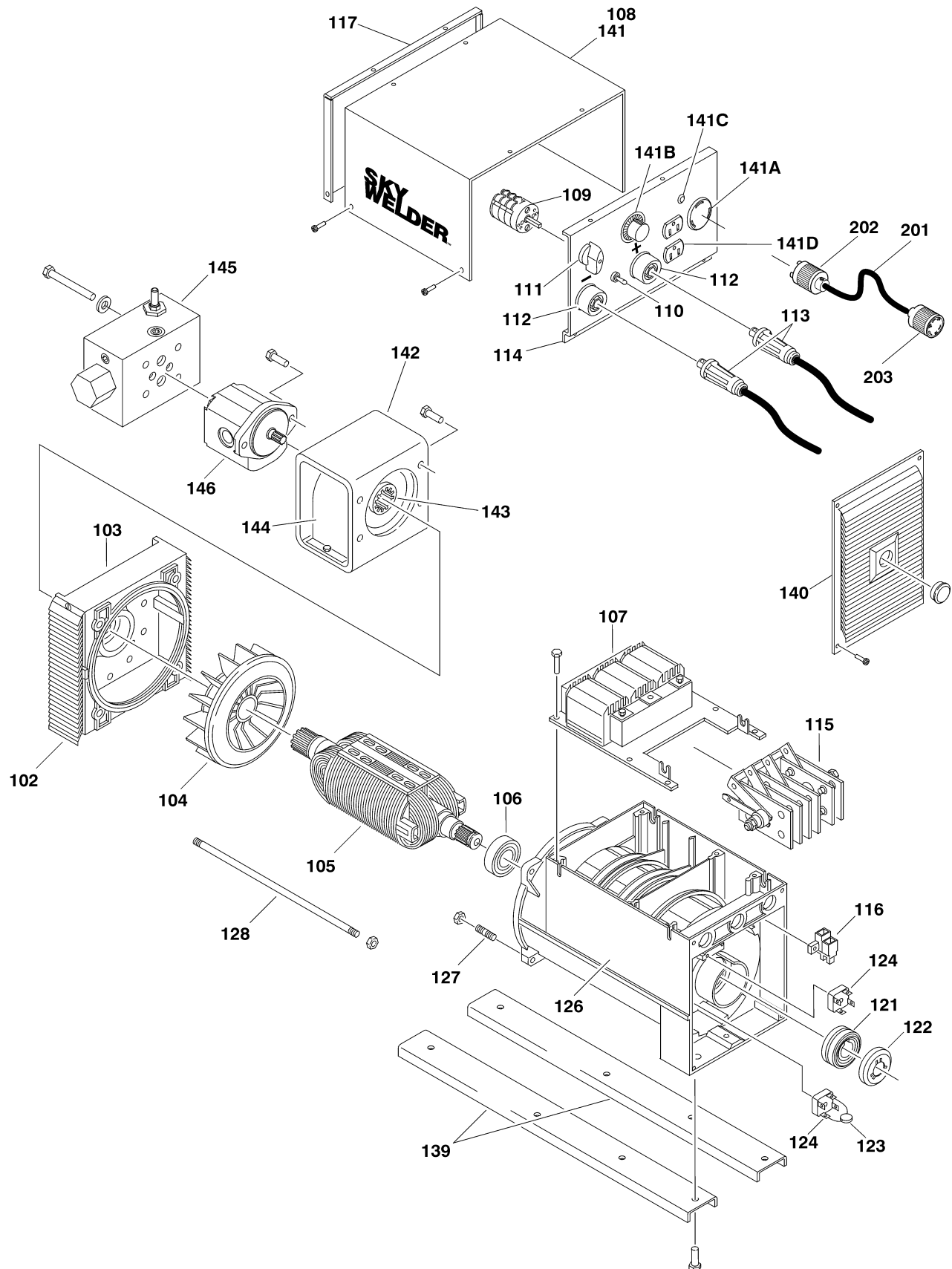
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	7002822	1	Screwdriver, Potentiometer (To Adjust Drive Controller)	
	7016654	1	Screwdriver, Magnetic	
	7004275	1	Seal Installation Tool - 1"	
	7004276	1	Seal Installation Tool - 1 1/2"	
	7002826	1	Seal Installation Tool - 2"	
	7016655	1	Wire Rope Sheave Gauge	
	4921850	1	Throttle Service Harness	
	4922012	1	Horsepower Card Service Harness	
	4922314	Ref.	Service Harness	
	4933108	Ref.	Service Harness	
	0257728	Ref.	Tubing Rack Installation	
	0258918	Ref.	Utility Rack Installation	
	0255399	Ref.	Weld Leads Installation	

SECTION 10 SPECIAL OPTIONS

FIGURE 10-2. SKY WELDER INSTALLATION



SECTION 10 SPECIAL OPTIONS



SECTION 10 SPECIAL OPTIONS

FIGURE 10-2. SKY WELDER INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0271549	Ref.	SKY WELDER INSTALLATION	3
1	0362949	1	Bar, Space	B
2	0641412	1	Bolt 1/4"-20NC x 1 1/2"	
3	0641414	2	Bolt 1/4"-20NC x 1 3/4"	
4	0641507	4	Bolt 5/16"-18NC x 7/8"	
5	0641514	4	Bolt 5/16"-18NC x 1 3/4"	
6	0641613	4	Bolt 3/8"-16NC x 1 5/8"	
7	0641810	4	Bolt 1/2"-13NC x 1 1/4"	
8	0840041	1	Boot, Cable	
9	1060921	82ft/25m	Cable, Weld	
10	0100019	A/R	Loctite #271	
11	1320146	1	Clamp, Hose	
12	1704895	2	Decal - Sky Welder	
13	1704896	1	Decal - Sky Welder (Not Shown - Located on Hood)	
14	2030010	1	Extinguisher, Fire	
15	2080044	1	Rivnut, Fastener	
16	Not Used			
17	2901971	1	Platform Weld Leads Kit	
17A	7023413	2	Connector, Cable	
17B	7023414	1	Cable, #1 Weld - Black (12ft Length)	
17C	7023418	1	Cable, #1 Weld - Red (12ft Length)	
17D	7023415	1	Clamp, Ground	
17E	7023416	1	Holder, Electrode	
17F	7023417	2	Lugs, Cable	
18	3251963	1	Nameplate - Welding Leads	
19	3311405	2	Locknut 1/4"-20NC	
20	3311505	4	Locknut 5/16"-18NC	
21	4060802	1	Guard, Switch	
22	4360336	1	Switch, Toggle	
23	4530019	1	Hydraulic Welder Assembly (See 101 to 147 for Breakdown)	
24	4641164	1	Diverter Valve Assembly	
25	4740397	1	Spacer, Washer	
26	4751400	2	Flatwasher 1/4"	
27	4751500	8	Flatwasher 5/16"	
28	4751800	4	Flatwasher 1/2"	
29	4846469	1	Support, Welder	
30	4846231	1	Support, Weld Lead	
31	1060928	82ft/25m	Cable, Weld (Red)	
32	Not Used			
33	1704919	1	Decal - Positive	
34	1704920	1	Decal - Negative	
35	3252764	1	Nameplate - AC & Weld	
36	0100011	A/R	Loctite #242	
37	3620034	1	Oil Cooler Assembly	

SECTION 10 SPECIAL OPTIONS

FIGURE 10-2. SKY WELDER INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4530019	Ref.	HYDRAULIC WELDER ASSEMBLY - 225A	B
101	Not Used			
102	7023444	2	Grid - Front	
103	7023445	1	Shield Front	
104	7023446	1	Fan	
105	7023251	1	Rotor	
106	7023252	1	Bearing	
107	7023253	1	Impedance, Weld	
108	7024308	1	Cover	
109	7023254	1	Switch, Step	
110	7023255	1	Selector, Range	
111	7023256	1	Knob, Switch	
112	7023257	2	Terminal, Female Weld Cable Attached	
113	7023258	2	Terminal, Male Weld Cable Attached	
114	Not Serviced	1	Panel, Front	
115	7023259	1	Bridge, Rectifier	
116	7023260	1	Brushes and Holder	
117	7024310	1	Panel, Receptacle (Panel Only)	
118 to 120	Not Used			
121	7023261	1	Ring, Slip	
122	7023262	1	Cover, Slip Ring	
123	7023263	1	Varistor	
124	7023264	2	Bridge, Single Phase Rectifier	
125	Not Used			
126	7023265	1	Housing & Stator	
127	7023266	4	Bolt, Stay M8 x 30mm	
128	7023267	4	Bolt, Stay	
129 to 138	Not Used			
139	7023448	1	Rail Set	
140	7024311	1	Cover, Louvered End	
141	7023420	1	Panel Assembly (Complete)	
141A	7023421	1	Receptacle, Twistlock	
141B	7023422	1	Control, Fine	
	7024436	1	Knob	
141C	7023423	1	Light - AC	
141D	7023424	1	Receptacle	
141E	7023425	1	Harness (Not Shown)	
142	Not Serviced	1	Mount, Motor	
143	7023426	1	Coupling	
144	Not Serviced	1	Guard, Coupling	
145	7023427	1	Valve Assembly	
146	7024312	1	Motor Assembly	
147	Not Serviced	2	Cover, Weld Receptacle	

SECTION 10 SPECIAL OPTIONS

FIGURE 10-2. SKY WELDER INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4921829	Ref.	POWERMITE HARNESS	2
201	1060494	6ft/1.8m	Cable, Electrical 12/3	
202	4460205	1	Plug, Male	
203	4460134	1	Plug, Female	

SECTION 11 PARTS NUMBER INDEX

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
0060033	7-33	0181946	2-121	0258275	7-30	0270960	10-2
0060034	3-3, 3-5, 3-13	0181949	2-100	0258336	2-122, 2-127, 8-8, 8-22	0271031	8-3, 8-11
0060067	3-3, 3-6, 3-15	0181979	2-30, 2-40, 2-45, 2-52, 2-72	0258339	2-100	0271044	2-119, 4-19
0080091	2-64	0181986	2-125	0258392	2-64, 2-77	0271049	2-59, 4-20
0080124	2-77	0200530	2-59	0258432	4-13	0271107	10-2
0080163	2-34, 2-42, 2-48, 2-55	0200741	2-59	0258542	2-118	0271370	2-119
0080201	2-65, 2-71	0239585	2-20	0258703	4-5, 4-8	0271415	4-19
0080214	2-64, 2-70	0253550	8-5	0258790	5-19	0271500	2-118
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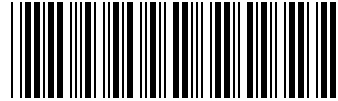
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7026509	2-105						
7026510	2-106						
7026608	2-43, 2-55						
7026631	2-55						
7027000	2-31, 2-38, 2-53, 7-50						
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7027003	2-31, 2-38, 2-54, 2-72, 7-50						
7027004	2-31, 2-38, 2-53, 7-50						
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7027239	2-43, 2-56						
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7027419	1-31, 1-33						
7027608	2-43, 2-55						
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7027610	2-43, 2-55						
7027740	1-33						
7027790	2-43, 2-56						
7027791	2-43, 2-56						
7027792	2-43, 2-56						
7027793	7-50						
7027794	7-50						
7027795	2-43, 2-56						
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7027887	2-59						
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An Oshkosh Corporation Company

Corporate Office
JLG Industries, Inc.
1 JLG Drive
McConnellsburg PA. 17233-9533
USA

☎ (717) 485-5161

📠 (717) 485-6417

JLG Worldwide Locations

JLG Industries (Australia)
P.O. Box 5119
11 Bolwarra Road
Port Macquarie
N.S.W. 2444
Australia

☎ +61 2 65 811111

📠 +61 2 65 810122

JLG Latino Americana Ltda.
Rua Eng. Carlos Stevenson,
80-Suite 71
13092-310 Campinas-SP
Brazil

☎ +55 19 3295 0407

📠 +55 19 3295 1025

JLG Industries (UK) Ltd
Bentley House
Bentley Avenue
Middleton
Greater Manchester
M24 2GP - England

☎ +44 (0) 161 654 1000

📠 +44 (0) 161 654 1001

JLG France SAS
Z.I. de Baulieu
47400 Fauillet
France

☎ +33 (0) 5 53 88 31 70

📠 +33 (0) 5 53 88 31 79

JLG Deutschland GmbH
Max-Planck-Str. 21
D - 27721 Ritterhude - Ihlpohl
Germany

☎ +49 (0) 421 69 350 20

📠 +49 (0) 421 69 350 45

JLG Equipment Services Ltd.
Rm 1107 Landmark North
39 Lung Sum Avenue
Sheung Shui N. T.
Hong Kong

☎ (852) 2639 5783

📠 (852) 2639 5797

JLG Industries (Italia) s.r.l.
Via Po. 22
20010 Pregnana Milanese - MI
Italy

☎ +39 029 359 5210

📠 +39 029 359 5845

JLG Polska
Ul. Krolewska
00-060 Warszawa
Poland

☎ +48 (0) 914 320 245

📠 +48 (0) 914 358 200

JLG Industries (Scotland)
Wright Business Centre
1 Lonmay Road
Queenslie, Glasgow G33 4EL
Scotland

☎ +44 (0) 141 781 6700

📠 +44 (0) 141 773 1907

Oshkosh -JLG Singapore
Technology Equipment Pte Ltd
29 Tuas Ave 4
Jurong Industrial Estate
Singapore, 639379

☎ +65-6591 9030

📠 Not Available

Plataformas Elevadoras
JLG Iberica, S.L.
Trapadella, 2
P.I. Castellbisbal Sur
08755 Castellbisbal, Barcelona
Spain

☎ +34 93 772 4700

📠 +34 93 771 1762

JLG Sverige AB
Enkopingsvagen 150
Box 704
SE - 176 27 Jarfalla
Sweden

☎ +46 (0) 850 659 500

📠 +46 (0) 850 659 534