



Illustrated Parts Manual

Models **600A** **600AJ**

S/N 0300069000 to
S/N 0300087000

P/N
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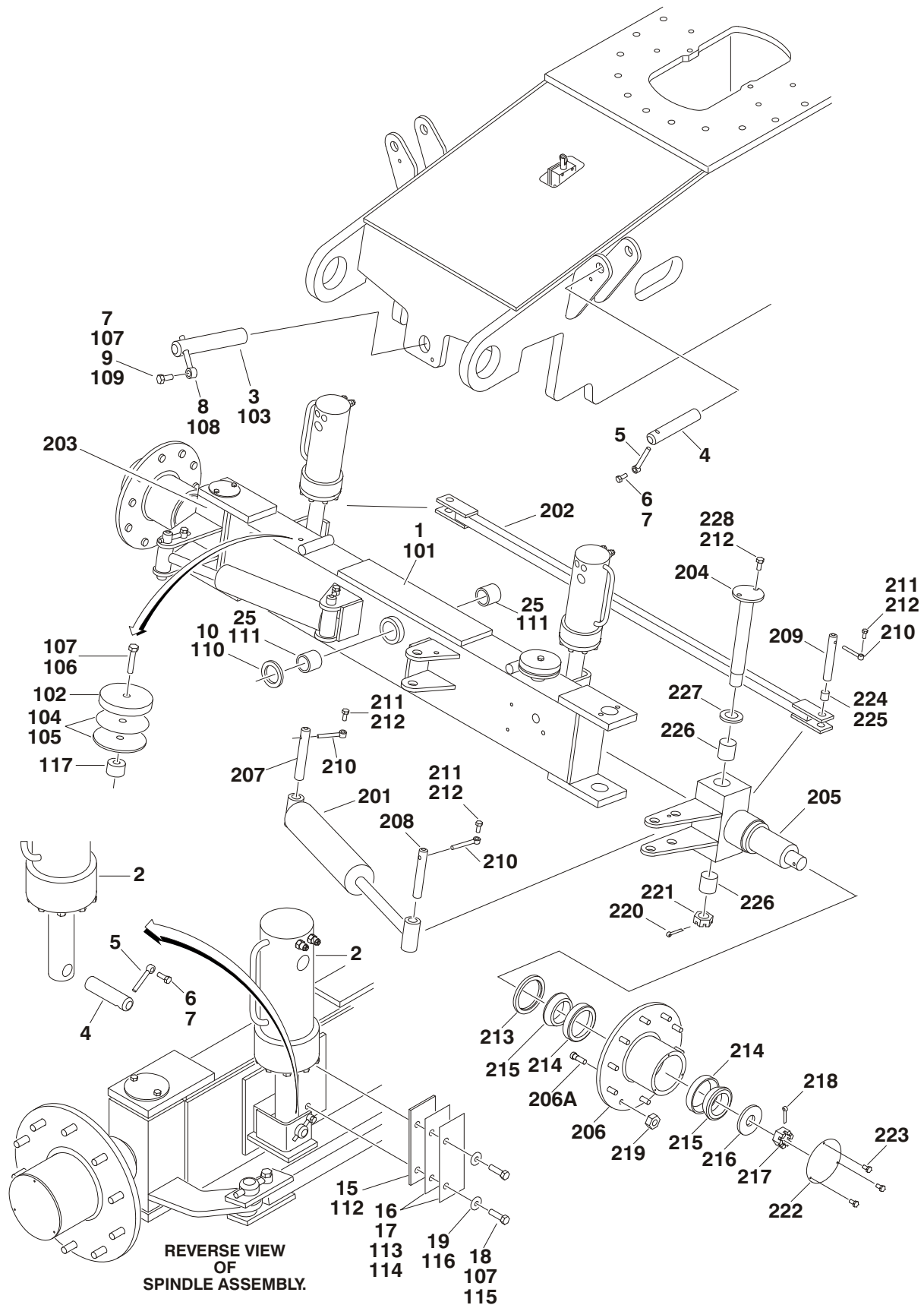
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SECTION 1

FRAME

SECTION 1 FRAME

FIGURE 1-1. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)



SECTION 1 FRAME

FIGURE 1-1. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	AXLE INSTALLATIONS - OSCILLATING	
	0256398	Ref.	8FT/2.4m Wide Machines	3
	0256397	Ref.	7FT/2.1m Wide Machines	4
1		1	Axle Weldment Options:	
	4844929		8 ft/2.4m Wide Machine	
	4844960		7 ft/2.1m Wide Machine	
2	1683280	2	Lockout Cylinder Assembly (See Section 5 for Breakdown)	
3	3422592	1	Pin, Pivot	
4	3422426	4	Pin, Cylinder	
5	3841143	4	Keeper, Pin	
6	0641608	4	Bolt 3/8in-16NC x 1in	
7	0100011	A/R	Compound, Locking	
8	3841258	1	Keeper, Pin	
9	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
10	4740158	1	Thrustwasher	
11 to 14	Not Used			
15	3538047	2	Plate, Wear	
16	4070878	4	Shim, (.06)	
17	4070879	4	Shim, (.12)	
18	0641612	4	Bolt 3/8in-16NC x 1-1/2in	
19	4711600	4	Flatwasher 3/8in Thin	
20 to 24	Not Used			
25	0961950	2	Bushing	
		Ref.	AXLE INSTALLATIONS - FIXED	
	0256623	Ref.	8FT/2.4m Wide Machines	3
	0256624	Ref.	7FT/2.1m Wide Machines	2
101		1	Axle Weldment Options:	
	4844929		8ft/2.4 Wide Machines	
	4844960		7ft/2.1 Wide Machines	
102	3539877	2	Plate, Stop	
103	3422592	1	Pin, Pivot	
104	4070944	A/R	Shim (.06)	
105	4070945	A/R	Shim (.25)	
106	0641826	4	Bolt 1/2in-13NC x 3-1/4in	
107	0100019	A/R	Compound, Locking	
108	3841258	1	Keeper, Pin	
109	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
110	4740158	1	Thrustwasher	
111	0961950	2	Bushing, Garmax	
112	3538047	2	Plate, Wear	
113	4070878	A/R	Shim (.06)	
114	4070879	A/R	Shim (.12)	
115	0641612	4	Bolt 3/8in-16NC x 1-1/2in	
116	4711600	4	Flatwasher 3/8in Thin	
117	3539879	2	Plate, Stop	

SECTION 1 FRAME

FIGURE 1-1. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	STEERING INSTALLATIONS	
	0256388	Ref.	8FT/2.4m Wide Machines	4
	0256391	Ref.	7FT/2.1m Wide Machines	4
201		2	Steer Cylinder Assembly Options: (See Section 5 for Breakdown)	
	1683208		8ft/2.4 Wide Machines	
	1683304		7ft/2.1 Wide Machines	
202		1	Tie-rod Options:	
	3841262		8ft/2.4 Wide Machines	
	3841263		7ft/2.1 Wide Machines	
203	4130341	1	Spindle (Right Side)	
204	3422427	2	Kingpin	
205	4130340	1	Spindle (Left Side)	
206	2780212	2	Hub	
206A	0630490	16	Stud, Wheel (8 Per Hub)	
207	3422426	2	Pin	
208	3422429	2	Pin	
209	3422430	2	Pin	
210	3841143	6	Keeper	
211	0641608	6	Bolt 3/8in-16NC x 1in	
212	0100011	A/R	Compound, Locking	
213	3960098	2	Seal	
214	0440019	4	Cone, Bearing	
215	0440018	4	Cup, Bearing	
216	4740016	2	Flatwasher,, Hardened	
217	3323403	2	Nut, Slotted 1-1/2in-12NF	
218	3450810	2	Pin, Cotter 1/4in x 2-1/2in	
219	3300106	16	Lugnut 5/8in	
220	3451012	2	Pin, Cotter 1/4in x 3in	
221	3313403	2	Nut, Slotted 1-1/2in-6NC	
222	1120460	2	Cap, Hub	
223	0641404	6	Bolt 1/4in-20NC x 1/2in	
224	0962005	2	Bushing	
225	0100063	A/R	Loctite, #RC609	
226	0962272	4	Bushing	
227	0440161	2	Thrustwasher	
228	0681608	4	Bolt 3/8in-16NC x 1in (Grade 8)	
	2890245	1	Wheel Bearing Retention Washer Replacement Kit (Includes Items 216 & 218)	

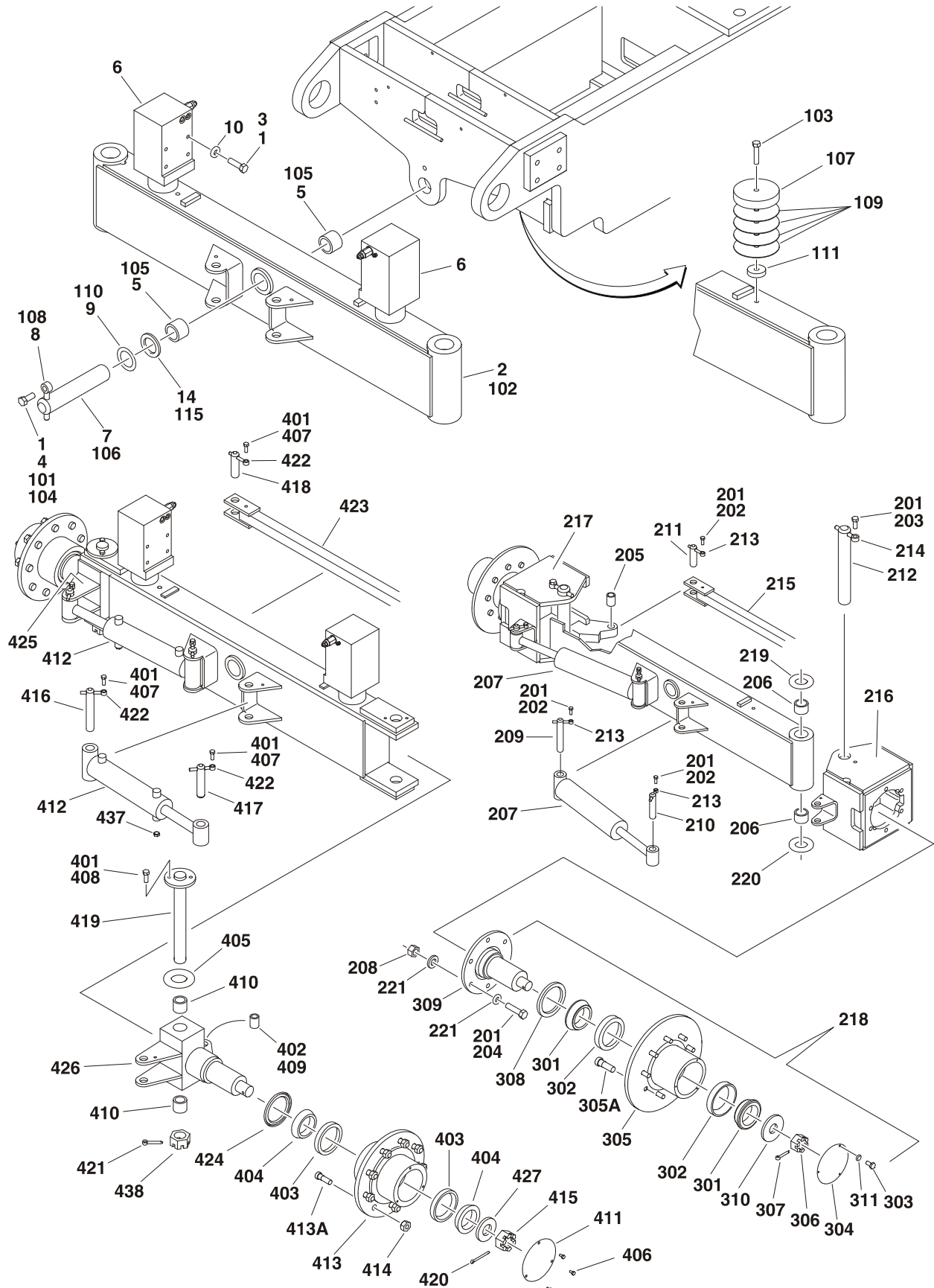
SECTION 1 FRAME

FIGURE 1-1. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 1 FRAME

FIGURE 1-2. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)



SECTION 1 FRAME

FIGURE 1-2. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	AXLE INSTALLATIONS - OSCILLATING	
	0273954	Ref.	8FT/2.4m Wide Machines without Tow Package	D
	0274234	Ref.	8FT/2.4m Wide Machines with Tow Package	A
	0274047	Ref.	7FT/2.1m Wide Machines without Tow Package	A
	0274256	Ref.	7FT/2.1m Wide Machines with Tow Package	A
1	0100011	A/R	Compound, Locking	
2		1	Axle Weldment Options:	
	0280167		8 ft/2.4m Wide Machine without Tow Package	
	0280183		8 ft/2.4m Wide Machine with Tow Package	
	0280171		7 ft/2.1m Wide Machine without Tow Package	
	0280185		7 ft/2.1m Wide Machine with Tow Package	
3	0641814	8	Bolt 1/2in-13NC x 1-3/4in	
4	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
5	0961950	2	Bushing	
6	1684280	2	Lockout Cylinder Assembly (See Section 5 for Breakdown)	
7	3422592	1	Pin, Pivot	
8	3841258	1	Keeper, Pin	
9	4740158	1	Thrustwasher	
10	4891800	8	Flatwasher 1/2in Hardened	
11 to 13	Not Used			
14	4071101	A/R	Shim	
		Ref.	AXLE INSTALLATIONS - FIXED	
	0273959	Ref.	8FT/2.4m Wide Machines	D
	0274054	Ref.	7FT/2.1m Wide Machines	B
101	0100011	A/R	Compound, Locking	
102		1	Axle Weldment Options:	
	0280167		8ft/2.4 Wide Machines	
	0280171		7ft/2.1 Wide Machines	
103		2	Bolt 1/2in-13NC Options:	
	0641818	2	8ft/2.4 Wide Machines (2-1/4in Length)	
	0641816	2	7ft/2.1 Wide Machines (2in Length)	
104	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
105	0961950	2	Bushing	
106	3422592	1	Pin, Pivot	
107	3539877	2	Plate, Stop	
108	3841258	1	Keeper, Pin	
109		A/R	Shim Options:	
	4070944	12	Shim (.06) for 8ft/2.4 Wide Machines	
	4070945	2	Shim (.25) for 7ft/2.1 Wide Machines	
110	4740158	1	Thrustwasher	
111		2	Spacer Options:	
	4740542		8ft/2.4 Wide Machines (S/N 0300069000 to S/N 0300084829)	
	4071101		8ft/2.4 Wide Machines (S/N 0300084829 to S/N 0300087000)	
	4740543		7ft/2.1 Wide Machines	
112 to 114	Not Used			

SECTION 1 FRAME

FIGURE 1-2. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
115	4071101	A/R	Shim	B
	0274132	Ref.	STEERING INSTALLATION (8FT/2.4M WIDTH MACHINES)	
201	0100011	A/R	Compound, Locking	A
202	0641608	6	Bolt 3/8in-16NC x 1 in	
203	0642012	2	Bolt 5/8in-11NC x 1-1/2in	
204	0682020	12	Bolt 5/8in-11NC x 2-1/2in (Grade 8)	
205	0962005	2	Bushing	
206	0962131	4	Bushing	
207	1683208	2	Steer Cylinder Assembly (See Section 5 for Breakdown)	
208	3272001	12	Nut 5/8in-11NC (Grade 8)	
209	3422426	2	Pin	
210	3422429	2	Pin	
211	3422430	2	Pin	
212	3422900	2	Kingpin	
213	3841143	6	Keeper	
214	3841258	2	Keeper	
215	3841285	1	Tie-Rod	
216	4130401	1	Spindle (Left Side)	
217	4130402	1	Spindle (Right Side)	
218	4130410	2	Hub Assembly (See Items 301-311 for Breakdown)	
219	4740256	2	Thrustwasher	
220	4740463	2	Thrustwasher	
221	4892000	2	Flatwasher 5/8in Hardened	
	4130410	Ref.	HUB ASSEMBLY (8FT/2.4M WIDTH MACHINES)	A
		Ref.	Note: Qty is Per Assembly	
301	0440170	2	Cone, Bearing	
302	0440171	2	Cup, Bearing	
303	0721003	3	Screw #10-24NC x 3/8in	
304	1120304	2	Cap, Hub	
305	2780271	1	Hub	
305A	0630490	9	Stud, Wheel	
306	3323403	1	Nut, Slotted 1-1/2in-12NF	
307	3451010	1	Pin, Cotter 5/16in x 2-1/2in	
308	3960343	1	Seal	
309	4130409	1	Adapter, Spindle	
310	4740283	1	Flatwasher, Hardened	
311	4761000	3	Lockwasher #10	
		Ref.	STEERING INSTALLATION (7FT/2.1M WIDTH MACHINES)	B
	0274257	Ref.	2WS with 7FT/2.1m Wide Frame with Tow Package	
	0274062	Ref.	4WS with 7FT/2.1m Width Frame without Tow Package	
401	0100011	A/R	Compound, Locking	G
402	0100063	A/R	Loctite # RC609	

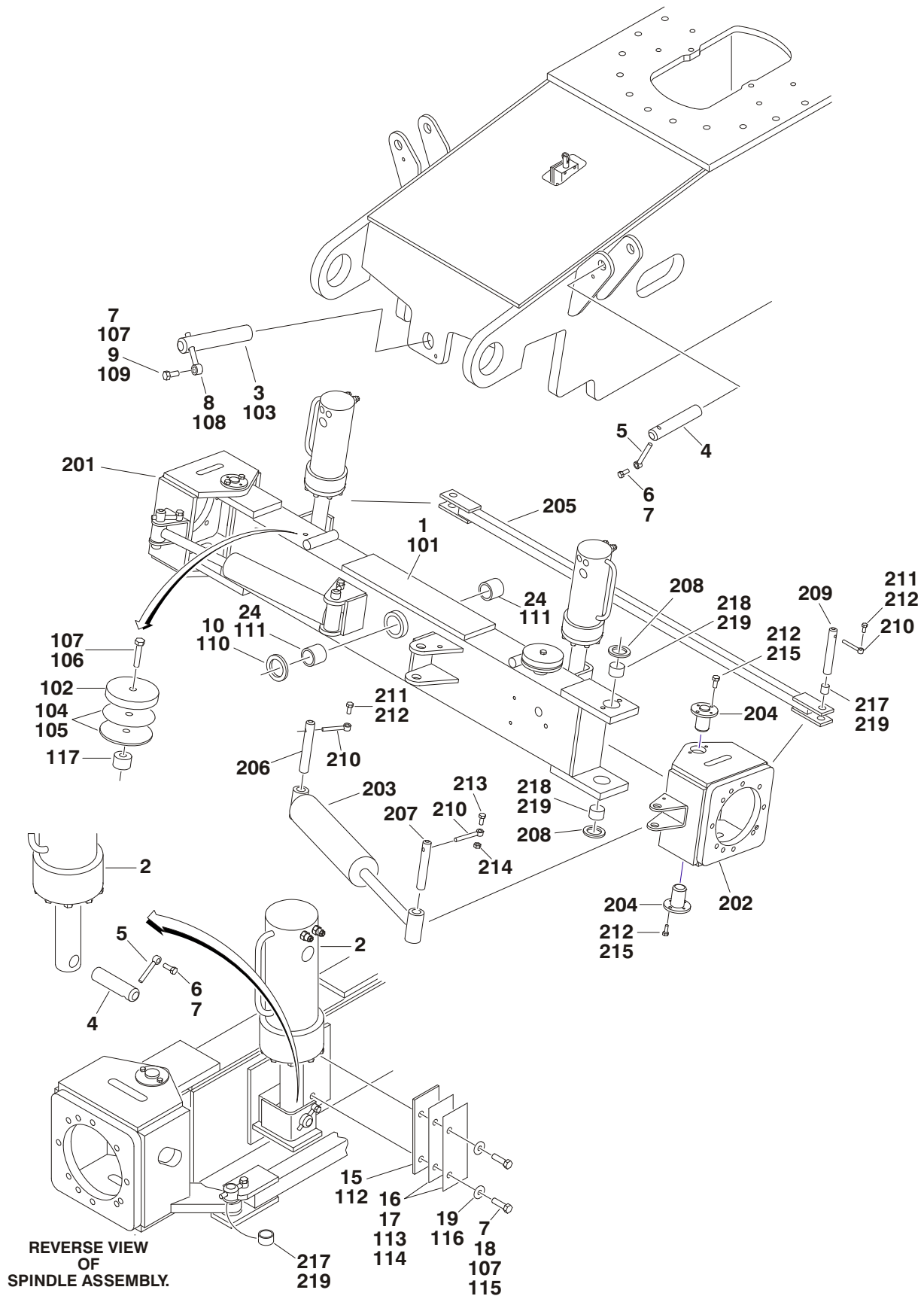
SECTION 1 FRAME

FIGURE 1-2. 2WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
403	0440018	4	Cup, Bearing	
404	0440019	4	Cone, Bearing	
405	0440161	2	Thrustwasher	
406	0641404	6	Bolt 1/4in-20NC x 1/2in	
407	0641608	4	Bolt 3/8in-16NC x 1in	
408	0681608	4	Bolt 3/8in-16NC x 1in (Grade 8)	
409	0962005	4	Bushing	
410	0962272	4	Bushing	
411	1120460	2	Cap, Hub	
412	1684418	2	Steer Cylinder Assembly (See Section 5 for Breakdown)	
413		A/R	Hub Options:	
	2780276	2	Without Tow Package	
	4130413	1	With Tow Package (Left Side)	
	4130415	1	With Tow Package (Right Side)	
413A	0630490	18	Stud, Wheel (9 Per Hub)	
414	3300106	18	Nut, Wheel	
415	3323403	2	Nut, Slotted 1-1/2in-12NF	
416	3422426	2	Pin	
417		A/R	Pin Options:	
	3422429	2	Without Tow Package	
	3422429	1	With Tow Package	
	3422427	1	With Tow Package	
418	3422430	2	Pin	
419	3423175	2	Kingpin	
420	3450810	2	Pin, Cotter 1/4in x 2-1/2in	
421	3451010	2	Pin, Cotter 5/16in x 2-1/2in	
422	3841143	6	Keeper	
423	3841263	1	Tie-Rod	
424	3960098	2	Seal	
425	4130413	1	Spindle (Right Side)	
426	4130414	1	Spindle (Left Side)	
427	4740016	2	Flatwasher, Hardened	
428	0642012	2	Bolt 5/8in-11NC x 1-1/2in	
429 to 436	Not Used			
437	2220237	2	Plug	
438	3313403	2	Nut, Slotted 1-1/2in-6NC	
	2890245	1	Wheel Bearing Retention Washer Replacement Kit (Includes Items 420 & 427)	

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FIGURE 1-3. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)



SECTION 1 FRAME

FIGURE 1-3. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0256392	Ref.	AXLE INSTALLATIONS - OSCILLATING	3
1	4845041	1	Axle Weldment	
2	1683280	2	Lockout Cylinder Assembly (See Section 5 for Breakdown)	
3	3422592	1	Pin, Pivot	
4	3422426	4	Pin, Cylinder	
5	3841143	4	Keeper, Pin	
6	0641608	4	Bolt 3/8in-16NC x 1in	
7	0100011	A/R	Compound, Locking	
8	3841258	1	Keeper	
9	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
10	4740158	1	Thrustwasher	
11 to 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 3/8in-16NC x 1in	
19	4711600	4	Flatwasher 3/8in Thin	
20 to 23	Not Used			
24	0961950	2	Bushing, Bronze	
	0256625	Ref.	AXLE INSTALLATIONS - FIXED	3
101	4845041	1	Axle Weldment	
102	3539877	2	Plate, Stop	
103	3422592	1	Pin, Pivot	
104	4070944	A/R	Shim (.06)	
105	4070945	A/R	Shim (.25)	
106	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
107	0100019	A/R	Compound, Locking	
108	3841258	1	Keeper, Pin	
109	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
110	4740158	1	Thrustwasher	
111	0961950	2	Bushing, Garmax	
112	3538047	2	Plate, Wear	
113	4070878	A/R	Shim (.06)	
114	4070879	A/R	Shim (.12)	
115	0641612	4	Bolt 3/8in-16NC x 1-1/2in	
116	4711600	4	Flatwasher 3/8in Thin	
117	3539879	2	Plate, Stop	
	0256399	Ref.	STEERING INSTALLATIONS	4
201	4130330	1	Spindle - Right Side	
202	4130331	1	Spindle - Left Side	
203	1683208	2	Steer Cylinder Assembly (See Section 5 for Breakdown)	
204	3422802	1	Pin, Pivot	
205	3841285	1	Tie-Rod	

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FIGURE 1-3. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
206	3422426	2	Pin, Steer Cylinder	
207	3422429	2	Pin, Steer Cylinder	
208	0440161	4	Thrustwasher	
209	3422430	2	Pin, Tie-Rod	
210	3841143	6	Keeper, Pin	
211	0641608	4	Bolt 3/8in-16NC x 1in	
212	0100011	A/R	Compound, Locking	
213	0641610	2	Bolt 3/8in-16NC x 1-1/4in	
214	3311605	2	Locknut 3/8in-16NC	
215	0681608	8	Bolt 3/8in-16NC x 1in (Grade 8)	
216	Not Used			
217	0962005	2	Bushing, Bronze	
218	0962272	4	Bushing, Garmax	
219	0100063	A/R	Loctite, #RC609	

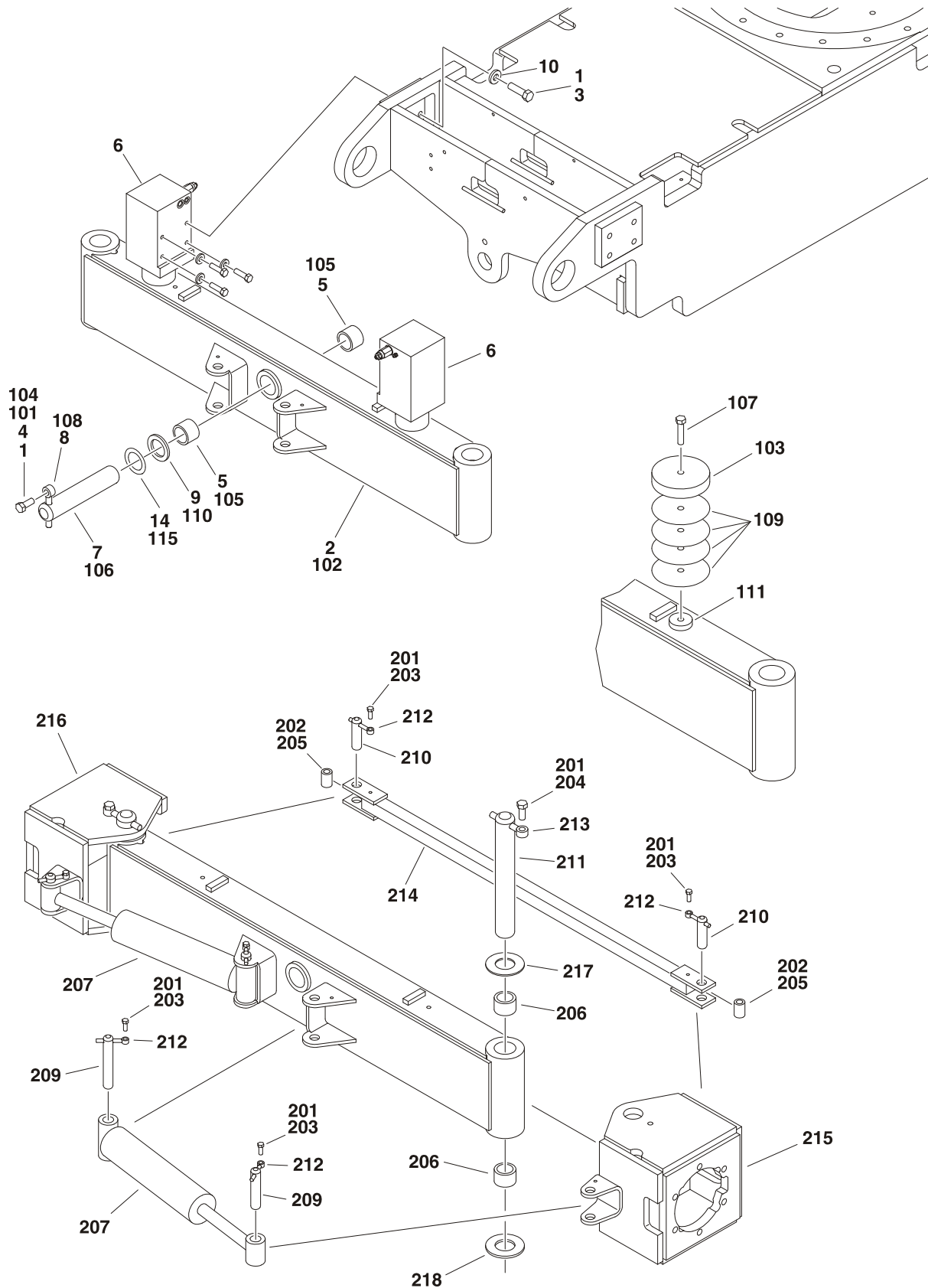
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FIGURE 1-3. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-4. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)



SECTION 1 FRAME

FIGURE 1-4. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	AXLE INSTALLATIONS - OSCILLATING	
	0273954	Ref.	8FT/2.4m Wide Machines without Tow Package	D
	0274234	Ref.	8FT/2.4m Wide Machines with Tow Package	A
1	0100011	A/R	Compound, Locking	
2		1	Axle Weldment Options:	
	0280167		8 ft/2.4m Wide Machine without Tow Package	
	0280183		8 ft/2.4m Wide Machine with Tow Package	
3	0641814	8	Bolt 1/2in-13NC x 1-3/4in	
4	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
5	0961950	2	Bushing	
6	1684280	2	Lockout Cylinder Assembly (See Section 5 for Breakdown)	
7	3422592	1	Pin, Pivot	
8	3841258	1	Keeper, Pin	
9	4740158	1	Thrustwasher	
10	4891800	8	Flatwasher 1/2in Hardened	
11 to 13	Not Used			
14	4071101	A/R	Shim	
	0273959	Ref.	AXLE INSTALLATIONS - FIXED	C
101	0100011	A/R	Compound, Locking	
102	0280167	1	Axle Weldment	
103	0641818	2	Bolt 1/2in-13NC x 2-1/4in	
104	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
105	0961950	2	Bushing	
106	3422592	1	Pin, Pivot	
107	3539877	2	Plate, Stop	
108	3841258	1	Keeper, Pin	
109	4070944	8	Shim (.06)	
110	4740158	1	Thrustwasher	
111	4740542	2	Spacer	
112 to 114	Not Used			
115	4071101	A/R	Shim	
		Ref.	STEERING INSTALLATION	
	0273940	Ref.	2WS without Tow Package	B
	0274220	Ref.	2WS with Tow Package	B
	0274121	Ref.	4WS without Tow Package	B
	0274220	Ref.	4WS with Tow Package	B
201	0100011	A/R	Compound, Locking	
202	0100063	A/R	Loctite # RC609	
203	0641608	6	Bolt 3/8in-16NC x 1in	
204	0642012	2	Bolt 5/8in-11NC x 1-1/2in	
205	0962005	2	Bushing	
206	0962131	4	Bushing	
207	1683208	2	Steer Cylinder Assembly (See Section 5 for Breakdown)	

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FIGURE 1-4. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
208	3422426	2	Pin	
209		A/R	Pin Options:	
	3422429	2	Without Tow Package	
	3422429	1	With Tow Package	
	3422427	1	With Tow Package	
210	3422430	2	Pin	
211	3422900	2	Kingpin	
212	3841143	6	Keeper	
213	3841258	2	Keeper	
214	3841285	1	Tie-Rod	
215	4130401	1	Spindle (Left Side)	
216		1	Spindle (Right Side) Options:	
	4130402		Without Tow Package	
	4130412		With Tow Package	
217	4740256	2	Thrustwasher	
218	4740463	2	Thrustwasher	

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FIGURE 1-4. 4WD FRONT AXLE & STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-5. 4WS REAR STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)

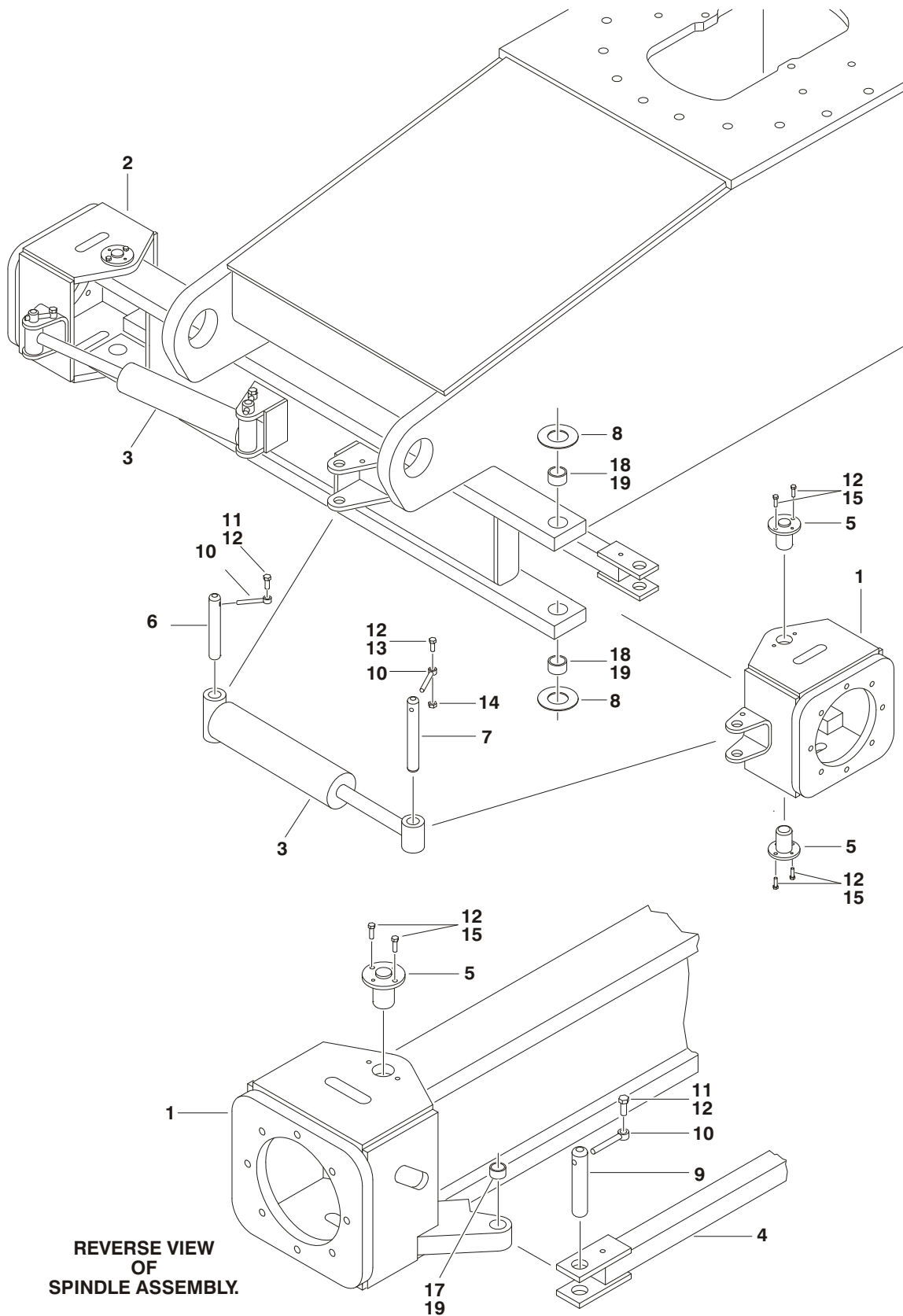


FIGURE 1-5. 4WS REAR STEERING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	4WS REAR STEERING INSTALLATIONS OPTIONS:	
	0256717	Ref.	2WD/4WS 8FT Wide/2.4m Machines	2
	0256523	Ref.	2WD/4WS 7FT Wide/2.1m Machines	2
	0256715	Ref.	4WD/4WS Machines	2
		Ref.	REAR STEERING INSTALLATION	
	0256399	Ref.	8 FT/2.4m Width Frame	4
	0256400	Ref.	7 FT/2.1m Width Frame	4
1	4130331	1	Spindle - Right Side	
2	4130330	1	Spindle - Left Side	
3		2	Steer Cylinder Assembly (See Section 5 for Breakdown)	
	1683208		8 ft/2.4m Wide Machine	
	1683304		7 ft/2.1m Wide Machine	
4		1	Tie-Rod Options:	
	3841285		8 ft/2.4m Wide Machine	
	3841291		7 ft/2.1m Wide Machine	
5	3422802	4	Kingpin	
6	3422426	2	Pin, Steer Cylinder	
7	3422429	2	Pin, Steer Cylinder	
8	0440161	4	Thrustwasher	
9	3422430	2	Pin, Tie-Rod	
10	3841143	6	Keeper, Pin	
11	0641608	4	Bolt 3/8in-16NC x 1in	
12	0100011	A/R	Compound, Locking	
13	0641610	2	Bolt 3/8in-16NC x 1-1/4in	
14	3311605	2	Locknut 3/8in-16NC	
15	0681608	8	Bolt 3/8in-16NC x 1in (Grade 8)	
16	Not Used			
17	0962005	2	Bushing, Bronze	
18	0962272	4	Bushing, Garmax	
19	0100063	A/R	Loctite, #RC609	

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FIGURE 1-6. 4WS REAR STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)

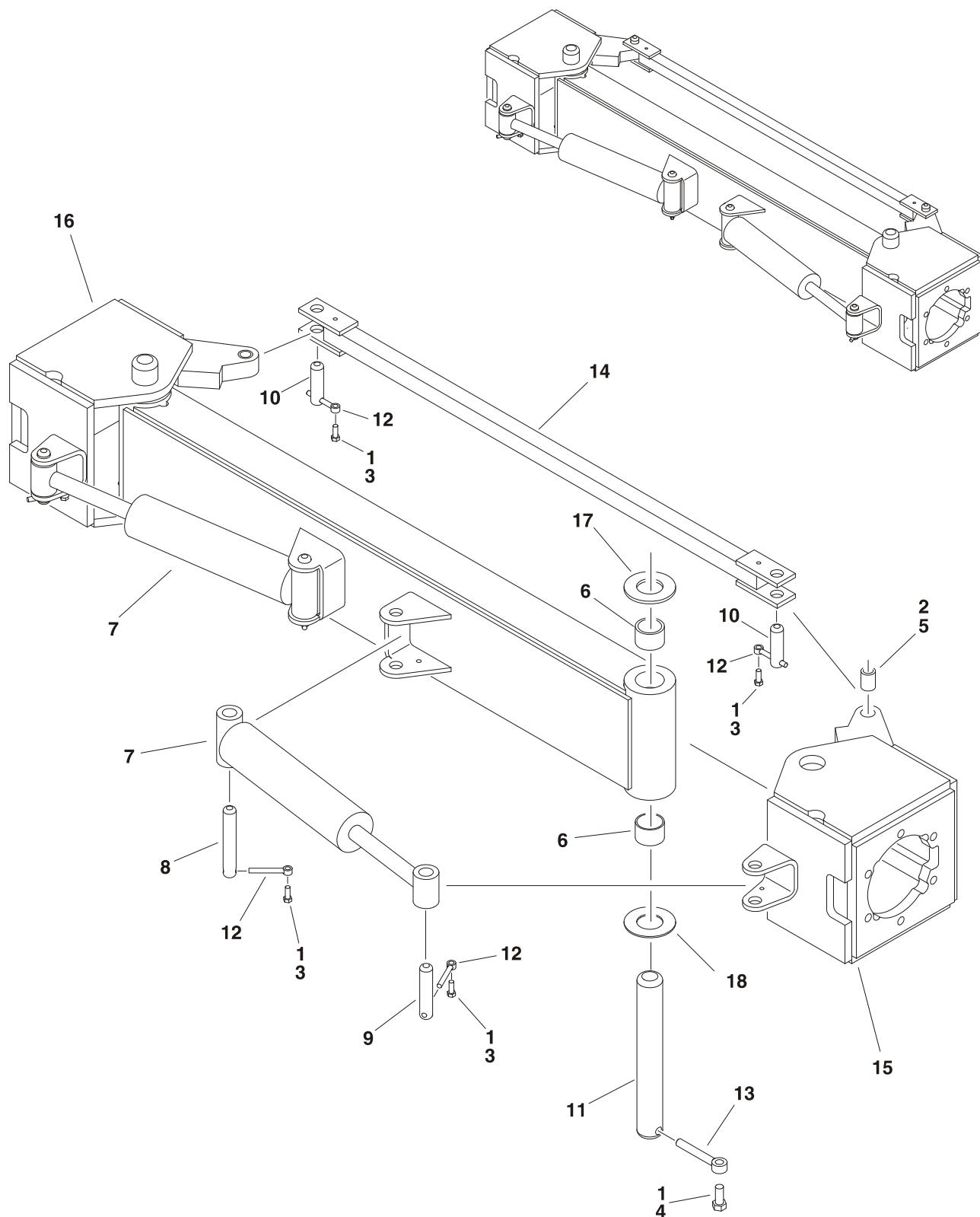


FIGURE 1-6. 4WS REAR STEERING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	4WS REAR STEERING INSTALLATIONS OPTIONS:	
	See Note	Ref.	2WD/4WS 8FT/2.4m Wide Machines (Note: No Longer Available)	
	0274062	Ref.	2WD/4WS 7FT/2.1m Wide Machines	G
	0274121	Ref.	4WD/4WS Machines	2
1	0100011	A\R	Compound, Locking	
2	0100063	A\R	Loctite # RC609	
3	0641608	6	Bolt 3/8in-16NC x 1in	
4	0642012	2	Bolt 5/8in-11NC x 1-1/2in	
5	0962005	2	Bushing	
6	0962131	4	Bushing	
7		2	Steer Cylinder Assembly Option (See Section 5 for Breakdown):	
	1684418		7FT/2.1m Wide Machines	
	1683208		8FT/2.4m Wide Machines	
8	3422426	2	Pin	
9	3422429	2	Pin	
10	3422430	2	Pin	
11	3422900	2	Kingpin	
12	3841143	6	Keeper	
13	3841258	2	Keeper	
14		1	Tie-Rod Options:	
	3841677		7FT/2.1m Wide Machines	
	3841285		8FT/2.4m Wide Machines	
15	4130401	1	Spindle (Left Side)	
16	4130402	1	Spindle (Right Side)	
17	4740256	2	Thrustwasher	
18	4740463	2	Thrustwasher	

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FIGURE 1-7. TIRE & WHEEL DRIVE INSTALLATIONS

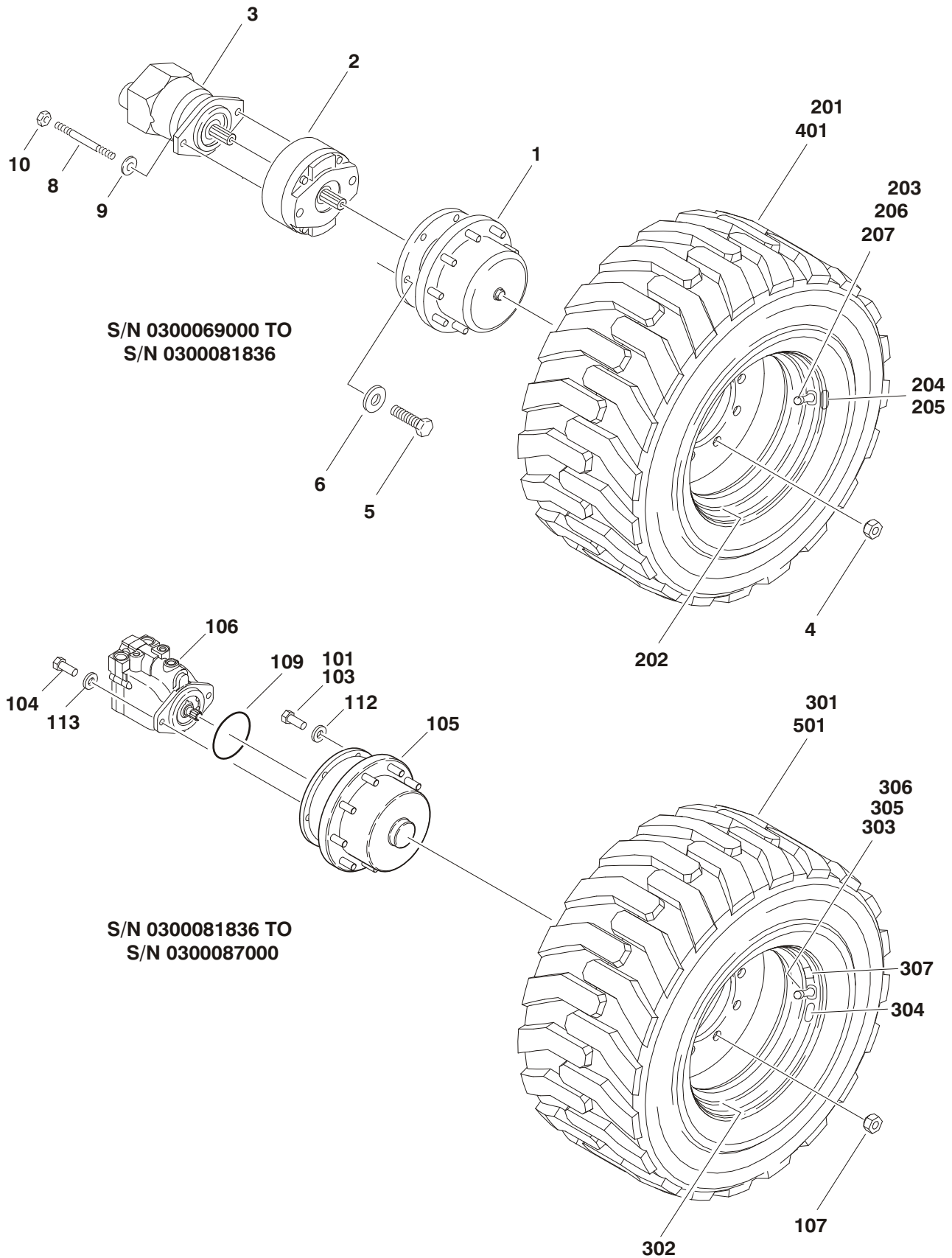


FIGURE 1-7. TIRE & WHEEL DRIVE INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	WHEEL DRIVE INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)	
	0270123	Ref.	2WD	3/B
	0270124	Ref.	4WD	3/E
1	2780213	A/R	Drive Hub Assembly (1 Per Drive Wheel) (See Figure 1-8 for Breakdown)	
2	Use 0920119	A/R	Drive Brake Assembly (1 Per Drive Wheel) (Was p/n 0920117)	
	7018612	A/R	Repair Kit - 0920117 & 0920119 Brakes (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) (1 Per Assy)	
	7000731	A/R	Gasket, Mounting Face	
3		Ref.	Note: No Other Parts Available.	
	3160205	A/R	Drive Motor Assembly (1 Per Wheel Drive) Options:	
		2	2WD (See Figure 1-10 for Breakdown) (S/N 0300069000 to S/N 0300071020)	
	3160297	2	2WD (See Figure 1-11 for Breakdown) (S/N 0300071020 to S/N 0300081836)	
	3160204	4	4WD (See Figure 1-12 for Breakdown)	
4	3300106	A/R	Lugnut (8 Per Wheel)	
5	0682016	A/R	Bolt 5/8in-11NC x 2in (8 Per Drive Wheel) (Grade 8)	
6	4895000	A/R	Flatwasher 5/8in Hardened (8 Per Drive Wheel)	
7	Not Used			
8	4300097	A/R	Stud 1/2in-13NC x 5-1/8in (2 Per Drive Wheel)	
9	4891800	A/R	Flatwasher 1/2in Hardened (2 Per Drive Wheel)	
10	3311801	A/R	Nut 1/2in-13NC (2 Per Wheel Drive)	
		Ref.	WHEEL DRIVE INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)	
	0273049	Ref.	2WD/2WS	D
	0274441	Ref.	2WD/4WS	B
	0273048	Ref.	4WD/2WS	F
	0273366	Ref.	4WD/4WS	E
		Ref.	Note: 2WD Qty Shown. For 4WD, Double Qty Shown.	
101	0100011	A/R	Compound, Locking	
102	Not Used			
103	0681810	4	Bolt 1/2in-13NC x 1-1/4in (Grade 8)	
104	0682016	12	Bolt 5/8in-11NC x 2in (Grade 8)	
105	2780269	2	Drive Hub Assembly (See Figure 1-9 for Breakdown)	
106		2	Drive Motor Assembly Options (See Figure 1-13 for Breakdown):	
	Use 3160249		2WD (was p/n 3160299)	
	Use 3160350		4WD (was p/n 3160300)	
107	3300106	18	Nut, Wheel	
108	Not Used			
109	3790045	1	O-Ring	
110 to 111	Not Used			
112	4891800	4	Flatwasher 1/2in Hardened	

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FIGURE 1-7. TIRE & WHEEL DRIVE INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
113	4740393	12	Flatwasher 5/8in Hardened	
		Ref.	PNEUMATIC & FOAM-FILLED TIRE & WHEEL INSTALLATIONS (8 FT/2.4M WIDTH MACHINES)	
			S/N 0300069000 TO S/N 0300081836:	
	0255420	Ref.	Tire & Wheel Installation - Pneumatic	—
	0271612	Ref.	Tire & Wheel Installation - Pneumatic	1
	0272296	Ref.	Tire & Wheel Installation - Pneumatic (With Tire Sealant)	1
	0255421	Ref.	Tire & Wheel Installation - Foam Filled	-
	0271613	Ref.	Tire & Wheel Installation - Foam Filled	1
		Ref.	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.	
	0255513	2	Tire & Wheel Assembly - Galaxy Pneumatic (Right Side)	1/B
	0271609	2	Tire & Wheel Assembly - OTR Pneumatic (Right Side)	A
	0272331	2	Tire & Wheel Assembly - OTR Pneumatic Tire Sealant (Right Side)	A
	0255605	2	Tire & Wheel Assembly - Galaxy Foam-Filled (Right Side)	-/B
	0271611	2	Tire & Wheel Assembly - OTR Foam-Filled (Right Side)	A
	0255514	2	Tire & Wheel Assembly - Galaxy Pneumatic (Left Side)	B
	0271608	2	Tire & Wheel Assembly - OTR Pneumatic (Left Side)	1/A
	0272332	2	Tire & Wheel Assembly - OTR Pneumatic Tire Sealant (Left Side)	A
	0255606	2	Tire & Wheel Assembly - Galaxy Foam-Filled (Left Side)	-/B
	0271610	2	Tire & Wheel Assembly - OTR Foam-Filled (Left Side)	A
201		A/R	Tire 14 x 17.5 Options:	
	4520171		Galaxy (1 Per Assembly)	
	4520259		OTR (1 Per Assembly)	
202	4860158	A/R	Rim, Wheel (1 Per Assembly)	
203	4640113	A/R	Valve, Air (1 Per Assembly)	
204	1702740	A/R	Decal - Tire Pressure (1 Per Assembly)	
205	1705364	A/R	Decal - Tire Sealant (OTR Pneumatic TS Only)	
206	1120552	A/R	Chemical, Tire Sealant (Green) (OTR Pneumatic TS Only)	
207	1300019	A/R	Cap, Valve Stem (Green) (OTR Pneumatic TS Only)	
		Ref.	PNEUMATIC & FOAM-FILLED TIRE & WHEEL INSTALLATIONS (8 FT/2.4M WIDTH MACHINES)	
			S/N 0300081836 TO S/N 0300087000:	
	4520328	Ref.	Tire & Wheel Installation - Pneumatic	1
	4520346	Ref.	Tire & Wheel Installation - Foam Filled	1
	0274533	Ref.	Tire & Wheel Installation - Pneumatic with Sealant (S/N 0300083338 to S/N 0300087000)	1
		Ref.	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.	

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FIGURE 1-7. TIRE & WHEEL DRIVE INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4520289	2	Tire & Wheel Assembly - Pneumatic (Left Side)	C
	4520344	2	Tire & Wheel Assembly - Foam-Filled (Left Side)	A
	4520427	2	Tire & Wheel Assembly - Pneumatic W/Sealant (Left Side)	A
	4520290	2	Tire & Wheel Assembly - Pneumatic (Right Side)	C
	4520345	2	Tire & Wheel Assembly - Foam-Filled (Right Side)	A
	4520428	2	Tire & Wheel Assembly - Pneumatic W/Sealant (Right Side)	A
301	4520288	A/R	Tire - IN355/55D625 (1 Per Assembly)	
302	4520287	A/R	Rim, Wheel (1 Per Assembly)	
303	4640113	A/R	Valve, Air (1 Per Assembly)	
304	1702740	A/R	Decal - Tire Pressure (1 Per Assembly)	
		Ref.	Note: Items 305-307 used with tires with sealant only.	
305	1120552	A/R	Cap, Valve Stem (1 Per Assembly)	
306	1300019	120oz	Sealant, Tire (1 Per Assembly)	
307	1705364	A/R	Decal - Tire Sealant (1 Per Assembly)	
401		Ref.	SOLID AIRBOSS TIRE & WHEEL INSTALLATIONS (8FT/2.4M & 7FT/2.1M WIDTH MACHINES)	
		Ref.	S/N 0300069000 TO S/N 0300081836:	
	0255422	Ref.	Tire & Wheel Installation - Air-Boss	—
	0258764	Ref.	Tire & Wheel Installation - Air-Boss (Non-Marking)	2
		2	Tire and Wheel Assembly - Right Side Options:	
	4520172		Air-Boss	
	4520210		Air-Boss (Non-Marking)	
		2	Tire and Wheel Assembly - Left Side Options:	
	4520173		Air-Boss	
	4520211		Air-Boss (Non-Marking)	
		80	Tire Repair Section (20 Per Assembly) Options:	
	7016206		Air-Boss	
	7020135		Air-Boss (Non-Marking)	
501		Ref.	AIRBOSS TIRE & WHEEL INSTALLATIONS (8FT/2.4M & 7FT/2.1M WIDTH MACHINES)	
		Ref.	S/N 0300081836 TO S/N 0300087000:	
	4520341	Ref.	Tire & Wheel Installation - Air-Boss	A
	4520284	2	Tire and Wheel Assembly - Right Side	
	4520283	2	Tire and Wheel Assembly - Left Side	
	7016206	80	Tire Repair Section (20 Per Assembly)	
	0255397	Ref.	WHEEL COVER INSTALLATION (OPTIONAL) (NOT SHOWN)	2/A
		Ref.	Note: Used on Machines S/N 0300069000 to S/N 0300081836 with Pneumatic or Foam-Filled Tires and Wheels only. Not Available for Machines S/N 0300081836 to S/N 0300087000.	
601	1670777	4	Cover, Wheel	
602	0641542	16	Bolt 5/16in-18NC x 5-1/4in	
603	0100011	A/R	Compound, Locking (Not Shown)	

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FIGURE 1-8. DRIVE HUB ASSEMBLY (S/N 0300069000 TO S/N 0300081836)

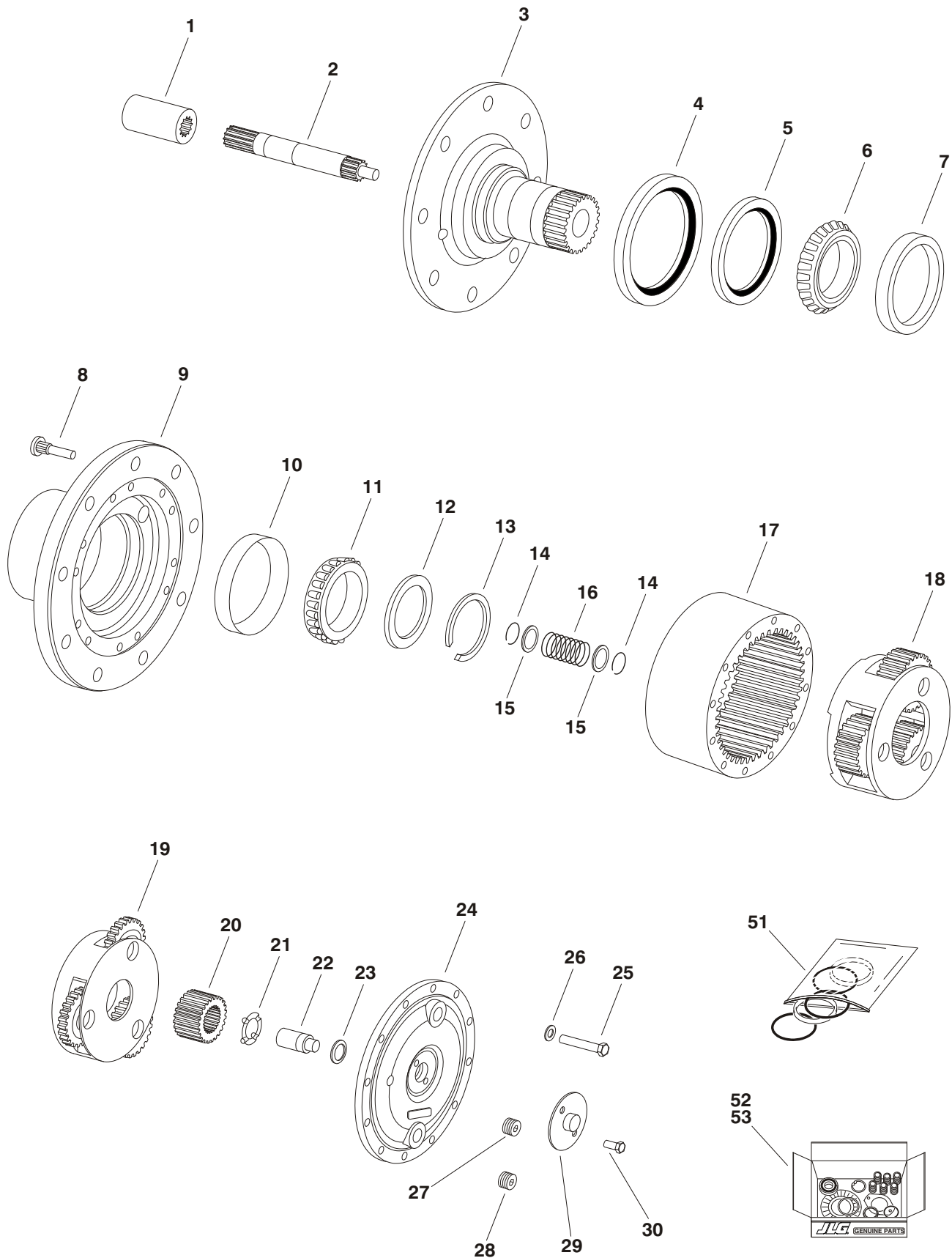


FIGURE 1-8. DRIVE HUB ASSEMBLY (S/N 0300069000 TO S/N 0300081836)

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		1	Spindle Options:	
	7014702		With Threaded Holes	
	7014731		Without Threaded Holes	
4	7014728	1	Seal, Boot	
5	See Note	1	Seal, Oil (Note: Use Item 51 or 52)	
6	Use 7014729	1	Cone, Bearing	
7	Use 7014729	1	Cup, Bearing	
8	7014727	8	Bolt, Wheel 5/8in	
9	7014706	1	Hub	
10	Use 7014729	1	Cup, Bearing	
11	Use 7014729	1	Cone, Bearing	
12	7001711	1	Thrustwasher	
13	See Note	1	Retaining Ring Kit (Note: Use Item 51 or 52)	
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	
31 to 50	Not Used			
51	7014730	1	Seal Kit (Includes Items 5 & 13)	
52	7014729	1	Bearing & Seal Kit (Includes Items 5,6,7,10,11 & 13)	
53	7014709	1	Retaining Ring Kit (Includes Qty 6 Retaining Rings)	

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FIGURE 1-9. DRIVE HUB ASSEMBLY (S/N 0300081836 TO S/N 0300087000)

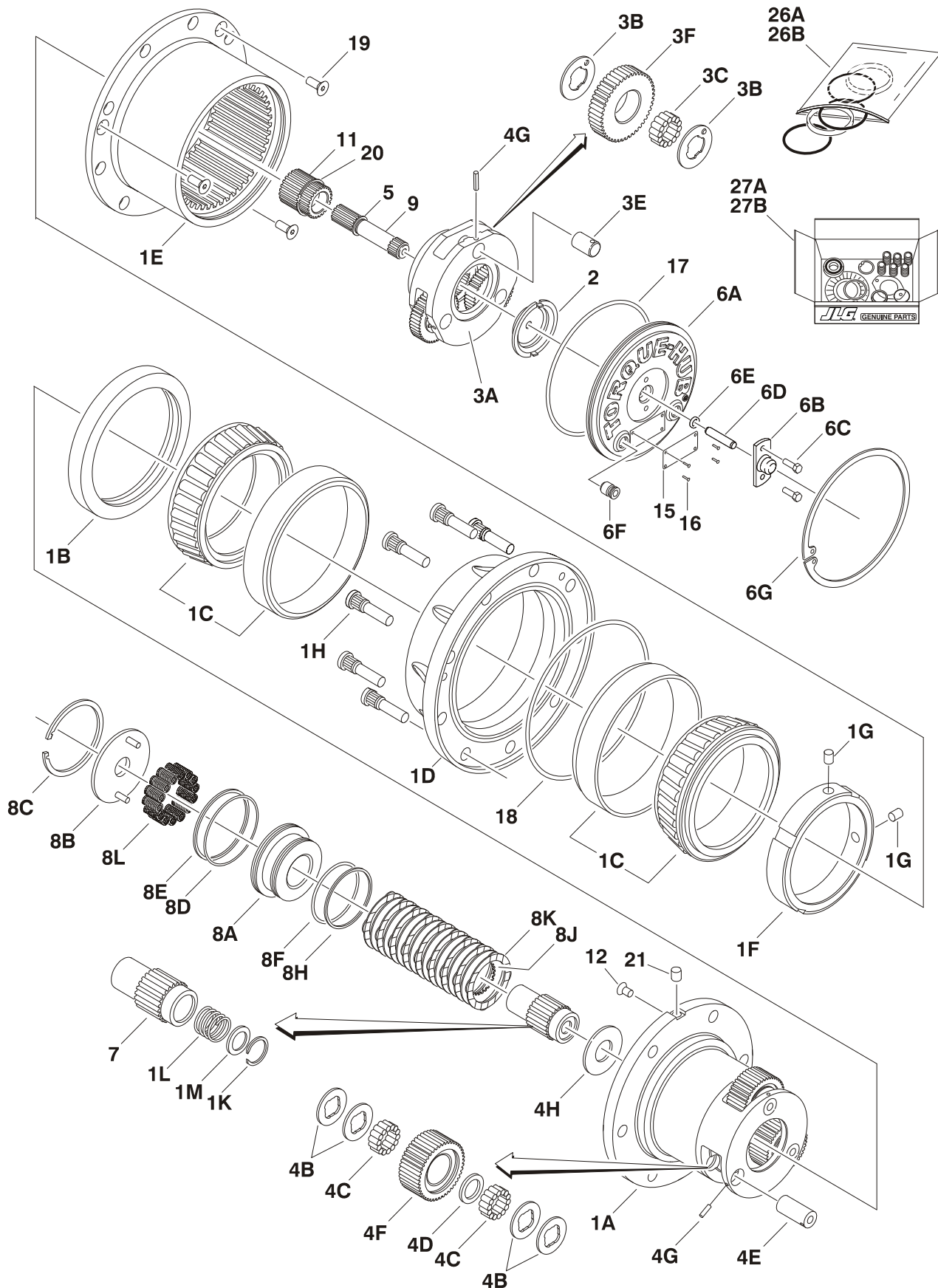


FIGURE 1-9. DRIVE HUB ASSEMBLY (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780269	Ref.	DRIVE HUB/BRAKE ASSEMBLY	B
1	See Note	1	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components)	
1A	7024729	1	Spindle	
1B	70001119	1	Seal, Lip	
1C	7024735	2	Bearing (Includes Cup and Cone)	
1D	Use 2780269	1	Housing (Note: Not Available For Purchase)	
1E	7024730	1	Ring, Gear	
1F	Use 7024744	1	Nut, Bearing	
1G	See Note	2	Setscrew 1/4in-28NF x 1/2in (Note: Use Item 26A, 26B, 27A or 27B)	
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	See Note	1	Carrier Assembly (Note: Not Available - Purchase Individual Components)	
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	See Note	1	Planet Gear Sub-Assembly (Note: Not Available - Purchase Individual Components)	
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	See Note	1	Cover Assembly (Note: Not Available - Purchase Individual Components)	
6A	7024731	1	Plate, Cover	
6B	7017093	1	Cap, Disengage	
6C	7000216	2	Bolt 1/2in-20NC x 1/2in	
6D	7024739	1	Pin, Dowel	
6E	7017095	1	O-Ring	
6F	7017072	2	Plug, Pipe with O-Ring	
6G	7024738	1	Ring, Retaining	
7	7024722	1	Coupling	
8	See Note	1	Brake, Input (Note: Not Available - Purchase Individual Components)	
8A	70000782	1	Piston, Brake	

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FIGURE 1-9. DRIVE HUB ASSEMBLY (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
8B	7024743	1	Plate, Pressure	
8C	See Note	1	Ring, Retaining (Note: Use Item 26B, 27A or 27B)	
8D	See Note	1	O-Ring (Note: Use Item 26B or 27A)	
8E	See Note	1	Ring, Back-up (Note: Use Item 26B or 27A)	
8F	See Note	1	O-Ring (Note: Use Item 26B or 27A)	
8G	Not Used			
8H	See Note	1	Ring, Back-up (Note: Use Item 26B or 27A)	
8J	Use 7024764	8	Rotor, Brake	
8K	Use 7024764	9	Stator, Brake	
8L	Use 7024766	A/R	Spring, Brake	
9	7024721	1	Shaft, Input	
10	Not Used			
11	7024723	1	Gear, Sun	
12	See Note	1	Plug (Note: Not Available for Purchase)	
13 to 14	Not Used			
15	See Note	1	Plate, ID (Not Shown) (Note: Not Available For Purchase)	
16	7000281	4	Screw, Drive	
17	7024134	1	O-Ring	
18	Use 7024744	1	O-Ring	
19	7017022	3	Screw, Countersunk 3/8in-16NC	
20	7024737	1	Ring, Retaining	
21	See Note	1	Plug (Note: Not Available for Purchase)	
22 to 25	Not Used			
26			Seal Kit Options:	
26A	7024744	1	Hub Seal Kit (Includes Items 1B, 1F, 1G, 17, 18 & 19)	
26B	7024765	1	Brake Seal Kit (Includes Items 1G,8C,8D,8E,8F & 8H)	
27			Repair Kit Options:	
27A	7024764	1	Brake Lining Kit (Includes Items 1G,8C,8D,8E,8F,8H,8J & 8K)	
27B	7024766	1	Brake Spring Kit (Includes Items 1G,8C & 8L)	

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FIGURE 1-9. DRIVE HUB ASSEMBLY (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-10. DRIVE MOTOR ASSEMBLY (2WD MACHINES S/N 0300069000 TO S/N 0300071020)

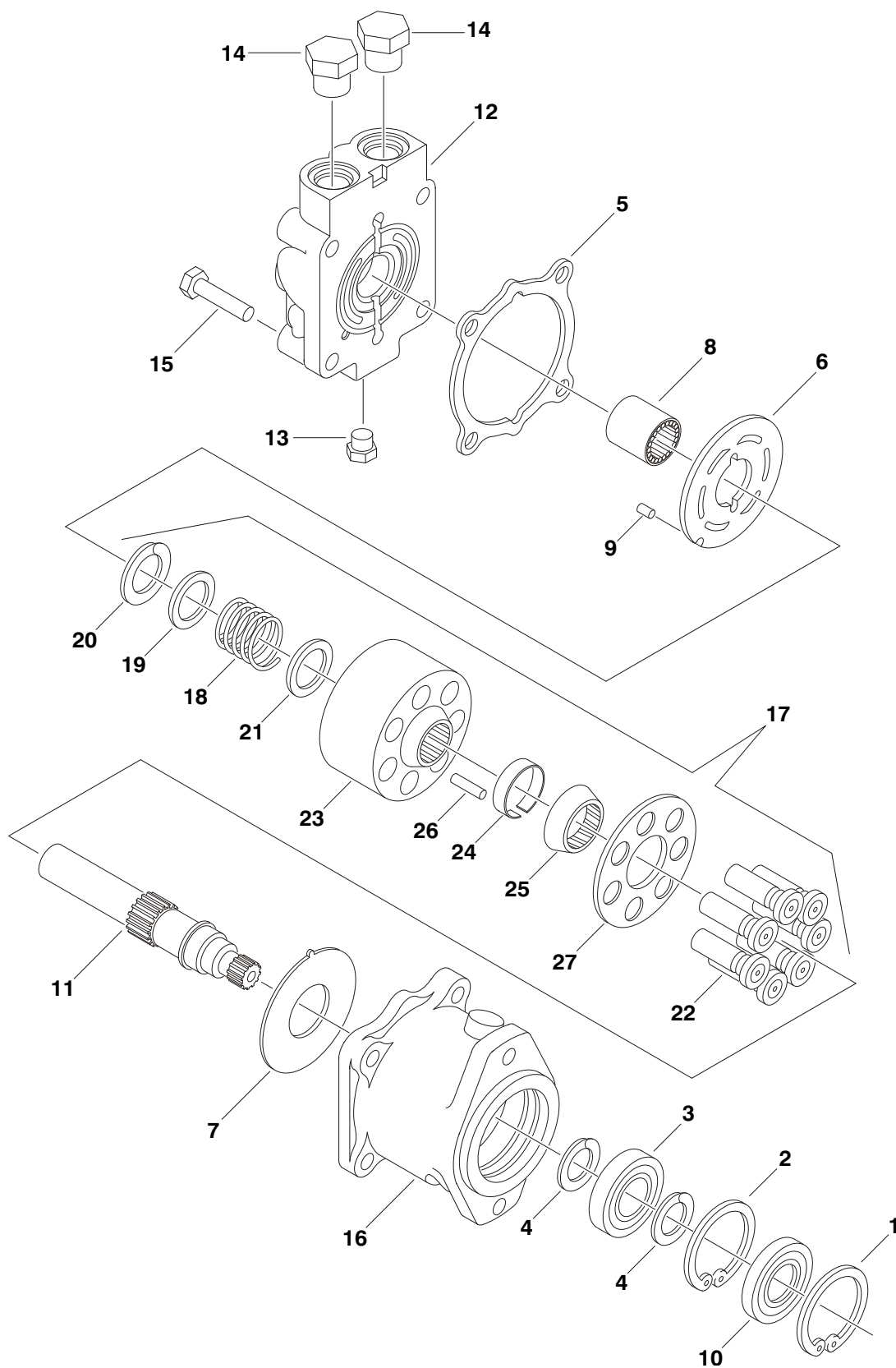


FIGURE 1-10. DRIVE MOTOR ASSEMBLY (2WD MACHINES S/N 0300069000 TO S/N 0300071020)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160205	Ref.	DRIVE MOTOR ASSEMBLY - SUNSTRAND (2WD)	B
1	7007438	1	Ring, Retaining	
2	7007438	1	Ring, Retaining	
3	7007437	1	Bearing, Ball	
4	7007439	2	Ring, Retaining	
5	7010108	1	Gasket, End Cap	
6	7010109	1	Plate, Motor Valve	
7	7010110	1	Plate, Thrust	
8	7007425	1	Bearing, Needle	
9	7007446	1	Pin	
10	7007459	1	Seal, Lip	
11	7010111	1	Shaft	
12	7010112	1	Cap, End	
13	7010113	1	Plug	
14	7010114	2	Plug	
15	7010115	4	Screw	
16	Use 3160205	1	Housing (Note: Not Available for Purchase)	
17	7010116	1	Cylinder Block Assembly	
18	7007428	1	Spring	
19	7007427	1	Washer	
20	7007426	1	Ring, Retaining	
21	7007429	1	Washer	
22	7010117	7	Piston Assembly	
23	7010118	1	Block, Cylinder	
24	7007430	1	Retainer, Pin	
25	7007434	1	Guide, Slip Retainer	
26	7007431	3	Pin, Slip Retainer	
27	7010119	1	Retainer, Slip	

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FIGURE 1-11. DRIVE MOTOR ASSEMBLY (2WD MACHINES S/N 0300071020 TO S/N 0300081836)

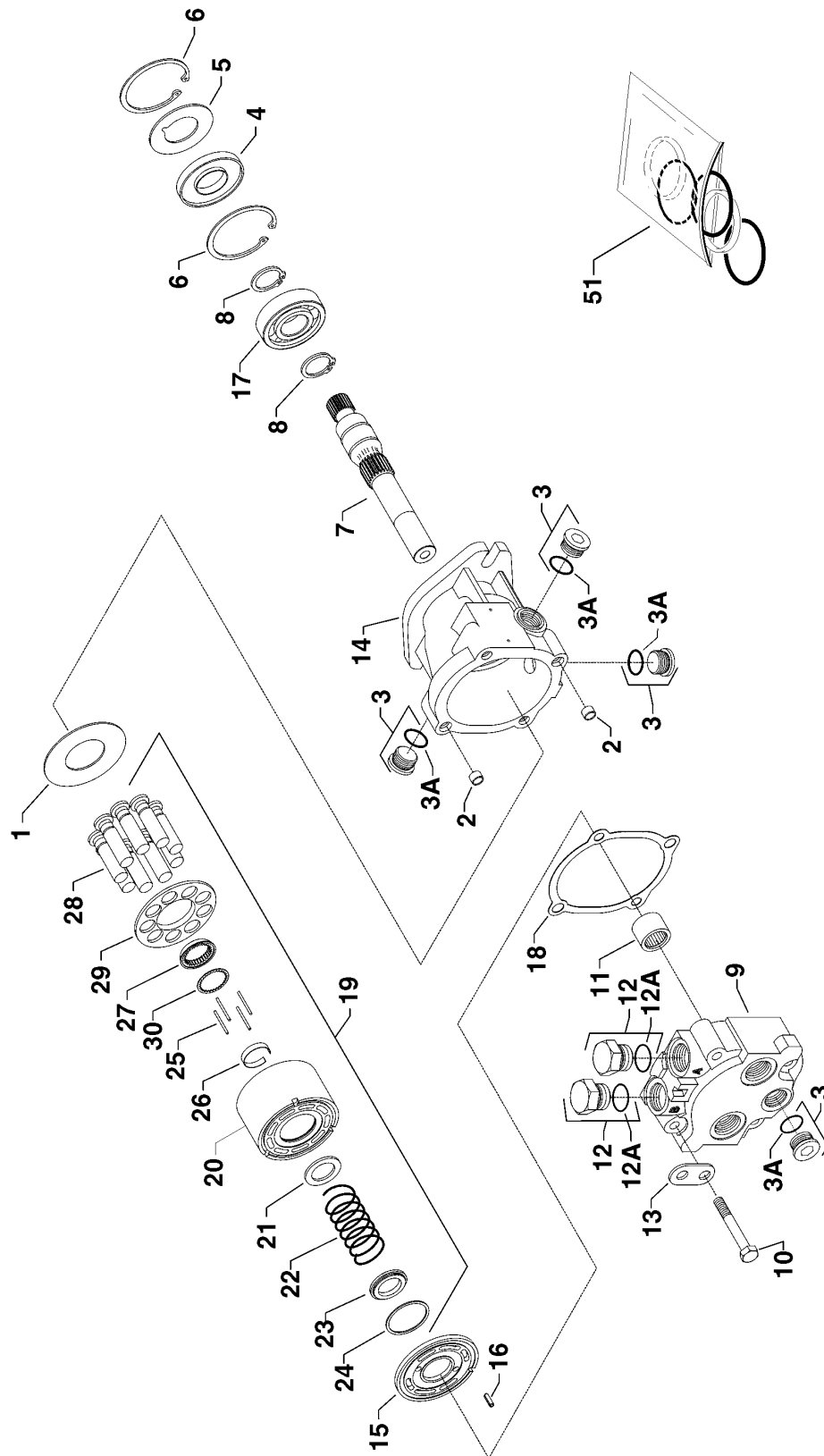


FIGURE 1-11. DRIVE MOTOR ASSEMBLY (2WD MACHINES S/N 0300071020 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160297	Ref.	DRIVE MOTOR ASSEMBLY - SUNSTRAND (2WD)	A
1	7024834	1	Plate, Thrust	
2	7007435	2	Pin, Spring	
3	7023964	4	Plug	
3A	7007415	4	O-Ring	
4	7007459	1	Seal, Lip	
5	7022371	1	Washer, Support	
6	7007438	2	Ring, Retaining	
7	7024835	1	Shaft	
8	7007439	2	Ring, Retaining	
9	7024836	1	Cap, End	
10	7024837	4	Screw	
11	7024838	1	Bearing, Needle	
12	7007419	2	Plug	
12A	7007418	2	O-Ring	
13	7024839	1	Bracket, Lifting	
14	Use 3160297	1	Housing (Note: Not Available for Purchase)	
15	7024841	1	Plate, Motor Valve	
16	7024842	1	Pin, Slotted	
17	7007437	1	Bearing, Ball	
18	Use 7024843	1	Gasket, End Cap	
19	7024840	1	Cylinder Block Assembly (Includes Items 20-30)	
20	Use 7024840	1	Block, Cylinder	
21	Use 7024840	1	Washer	
22	Use 7024840	1	Spring	
23	7007427	1	Washer	
24	7007426	1	Ring, Retaining	
25	Use 7024840	4	Pin, Slip Retainer	
26	Use 7024840	1	Retainer, Pin	
27	Use 7024840	1	Guide, Slip Retainer	
28	Use 7024840	9	Piston Assembly	
29	Use 7024840	1	Retainer, Slip	
30	Use 7024840	1	Thrustwasher	
31 to 50	Not Used			
51	7024843	1	Seal Kit (Includes Items 3A, 4, 12A & 18)	

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FIGURE 1-12. DRIVE MOTOR ASSEMBLY (4WD MACHINES S/N 0300069000 TO S/N 0300081836)

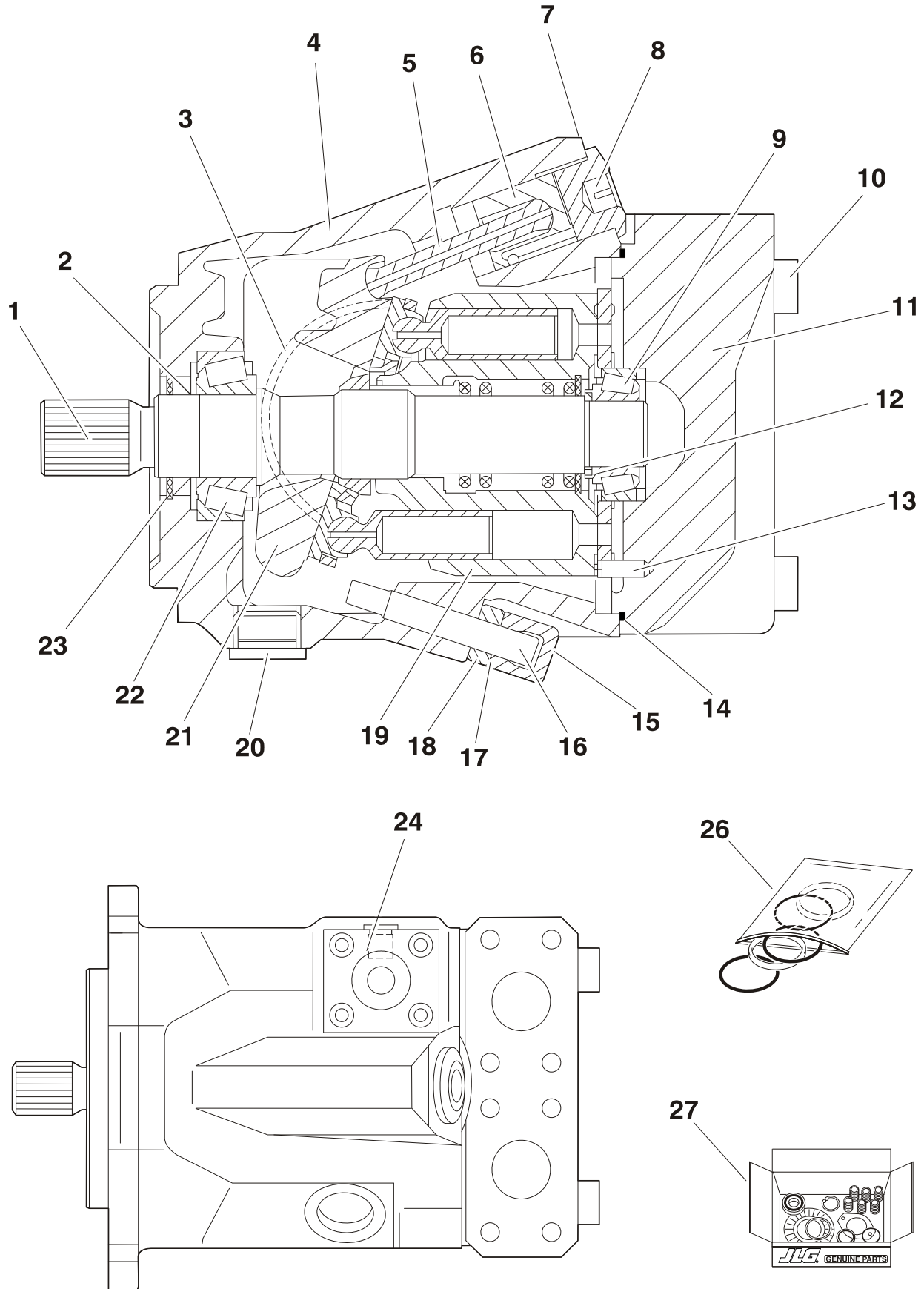


FIGURE 1-12. DRIVE MOTOR ASSEMBLY (4WD MACHINES S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160204	Ref.	DRIVE MOTOR ASSEMBLY - REXROTH (4WD)	A
1	7012701	1	Shaft - 13 Teeth	
2	Use 2900788	1	Seal, Shaft	
3	7012702	2	Bearing, Cradle	
4	Use 3160204	1	Housing (Note: Not Available for Purchase)	
5	7012703	1	Rod, Piston	
6	7012704	1	Piston, Stroking	
7	Use 2900788	1	O-Ring	
8	7012705	1	Nut, Adaptor	
9	7012706	1	Bearing, Roller	
10	7012707	4	Bolt, Socket Head M12 x 65	
11	7012708	1	Block, Port	
12	7012709	1	Shim	
13	7012710	1	Pin, Dowel M6 x 18	
14	Use 2900788	1	O-Ring	
15	7012711	1	Nut, Cap M10 x 1	
16	7012712	1	Screw, Adjusting	
17	Use 2900788	2	O-Ring	
18	7012713	1	Nut, Jam M10 x 1	
19	Use 7012716	1	Rotary Group Assembly	
20	See Note	1	Plug (Note: Not Available for Purchase)	
21	Use 7012716	1	Plate, Swash	
22	7012714	1	Bearing, Roller	
23	7012715	1	V-Ring	
24	7012700	1	Control Plate Assembly (S/N 0300069000 to S/N 0300029852)	
25	Not Used			
26	2900788	1	Seal Kit (Includes Items 2,7,14,17 and O-Rings under Item 24)	
27	7012716	1	Rotary Group Kit (Includes Items 19 and 21)	

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FIGURE 1-13. DRIVE MOTOR ASSEMBLY (2WD & 4WD MACHINES S/N 0300081836 TO S/N 0300087000) (ORIGINAL EQUIPMENT)

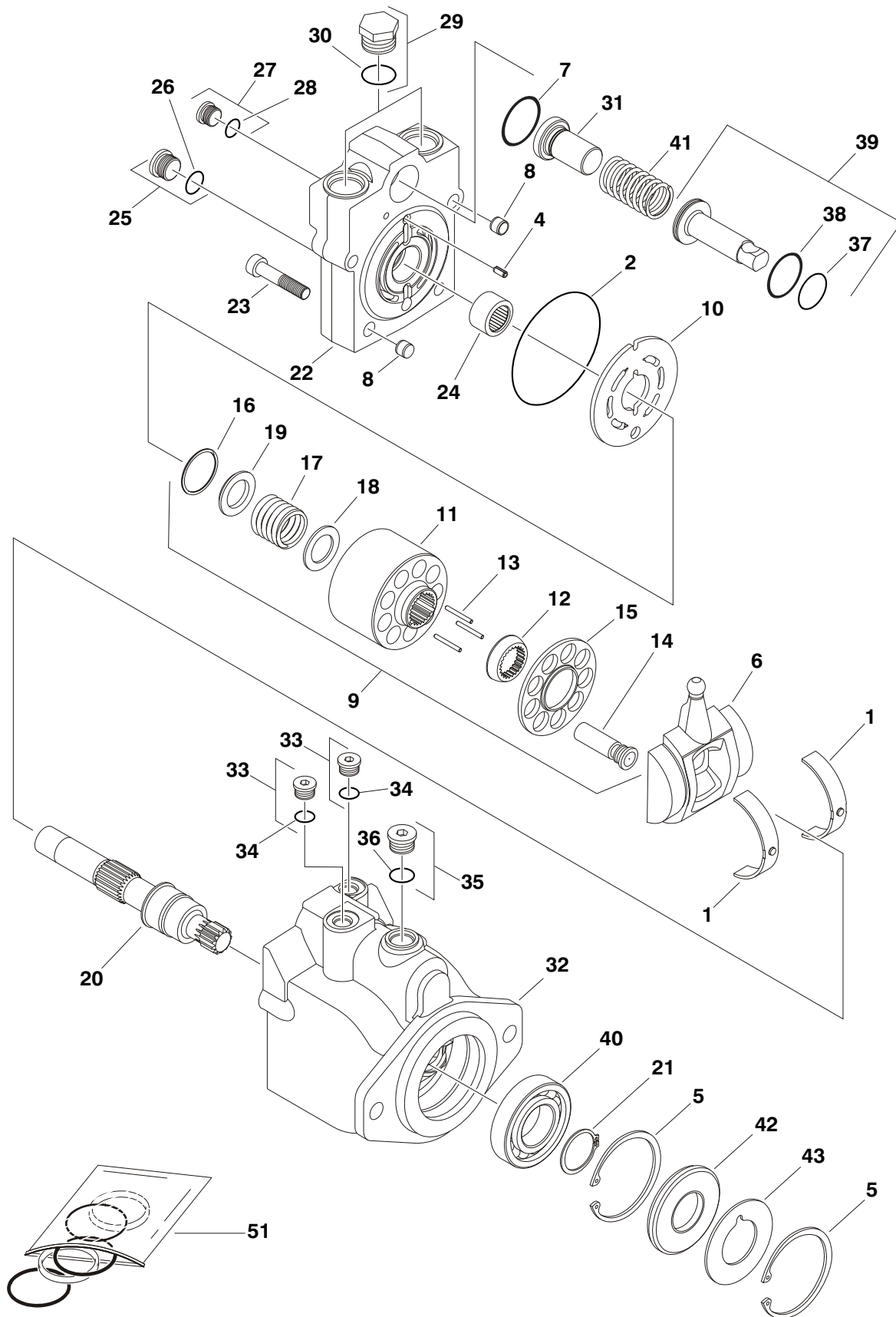


FIGURE 1-13. DRIVE MOTOR ASSEMBLY (2WD & 4WD MACHINES S/N 0300081836 TO S/N 0300087000) (ORIGINAL EQUIPMENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT)	
	3160299	Ref.	2WD	C
	3160300	Ref.	4WD	C
		Ref.	Note: Original Equipment Motor p/n 3160299 & p/n 3160300 uses 4 bolts to assemble the motor. Service Replacement Motor p/n 3160349 & p/n 3160350 motors use 5 bolts to assemble the motor. Visually identify component before ordering parts. If equipped with 3160349 or 3160350 refer to next illustration.	
1	7022302	2	Bearing, Journal	
2	Use 7022328	1	O-Ring	
3	Use 7022328	1	O-Ring	
4	7007446	1	Pin	
5	7007438	2	Ring, Retaining	
6	7024861	1	Swashplate	
7	Use 7022328	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 7022328	1	O-Ring	
27	7022318	1	Plug (Includes Item 28)	
28	Use 7022328	1	O-Ring	
29	7027419	2	Plug (Includes Item 30)	
30	Use 7022328	2	O-Ring	
31		1	Seat, Spring Options: 2WD/2WS 2WD/4WS, 4WD/2WS & 4WD/4WS	
32	7022370	1	Housing	
33	7022318	2	Plug (Items Item 34)	
34	Use 7022328	2	O-Ring	
35	7022321	1	Plug (Items Item 36)	
36	Use 7022328	1	O-Ring	
37	Use 7022328	1	O-Ring	

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FIGURE 1-13. DRIVE MOTOR ASSEMBLY (2WD & 4WD MACHINES S/N 0300081836 TO S/N 0300087000) (ORIGINAL EQUIPMENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
38	Use 7022328	1	Ring, Seal	
39	7024871	1	Piston, Servo	
40	7007437	1	Bearing	
41	7022326	1	Spring	
42	Use 7022328	1	Seal, Lip	
43	7022371	1	Washer, Support	
44 to 50	Not Used			
51	7022328	1	Seal Kit (Includes Items 2,3,7,26,28,30,34,36,37,38 and 42)	

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FIGURE 1-13. DRIVE MOTOR ASSEMBLY (2WD & 4WD MACHINES S/N 0300081836 TO S/N 0300087000) (ORIGINAL EQUIPMENT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-14. DRIVE MOTOR ASSEMBLY (2WD & 4WD MACHINES) (SERVICE REPLACEMENT)

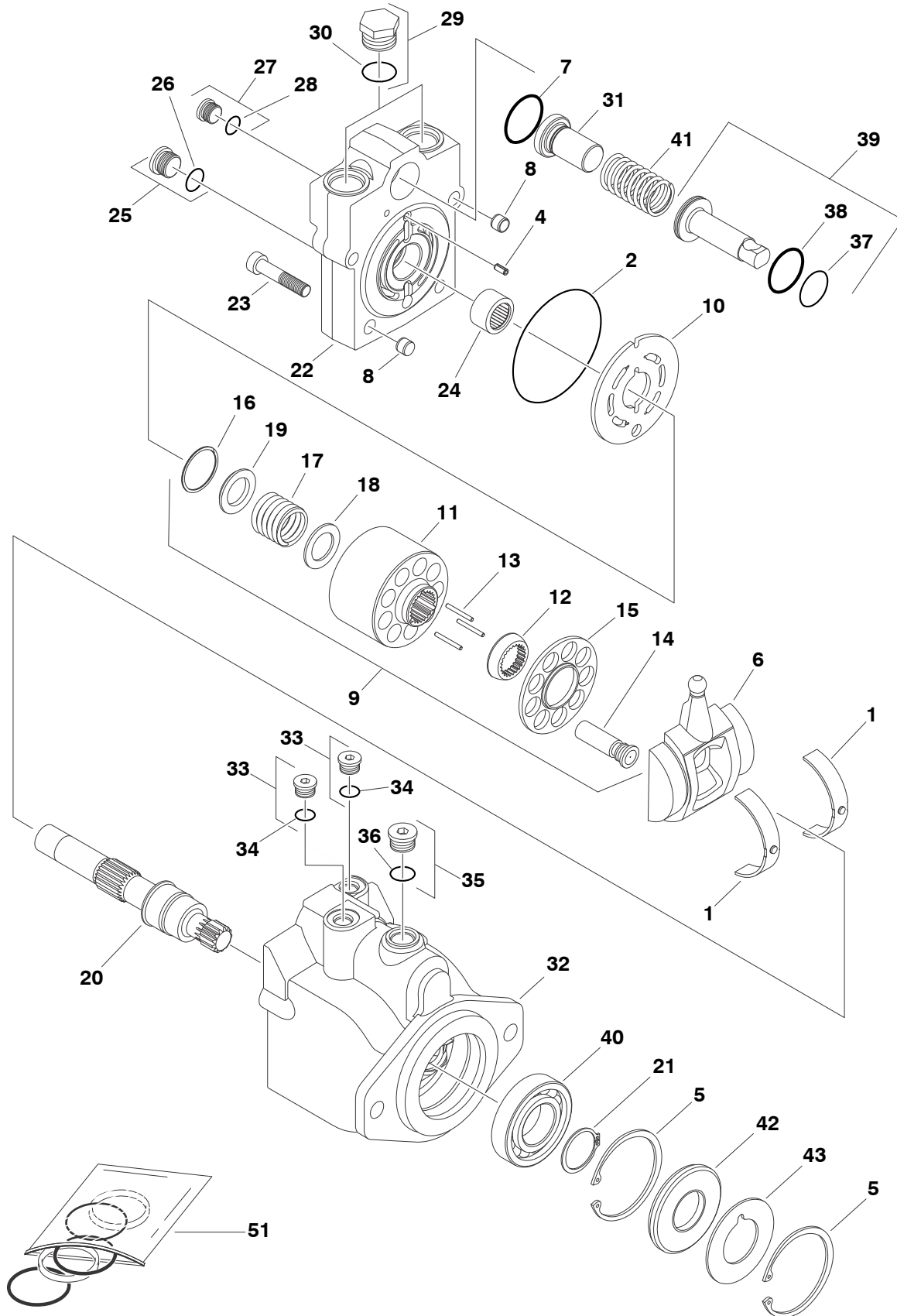
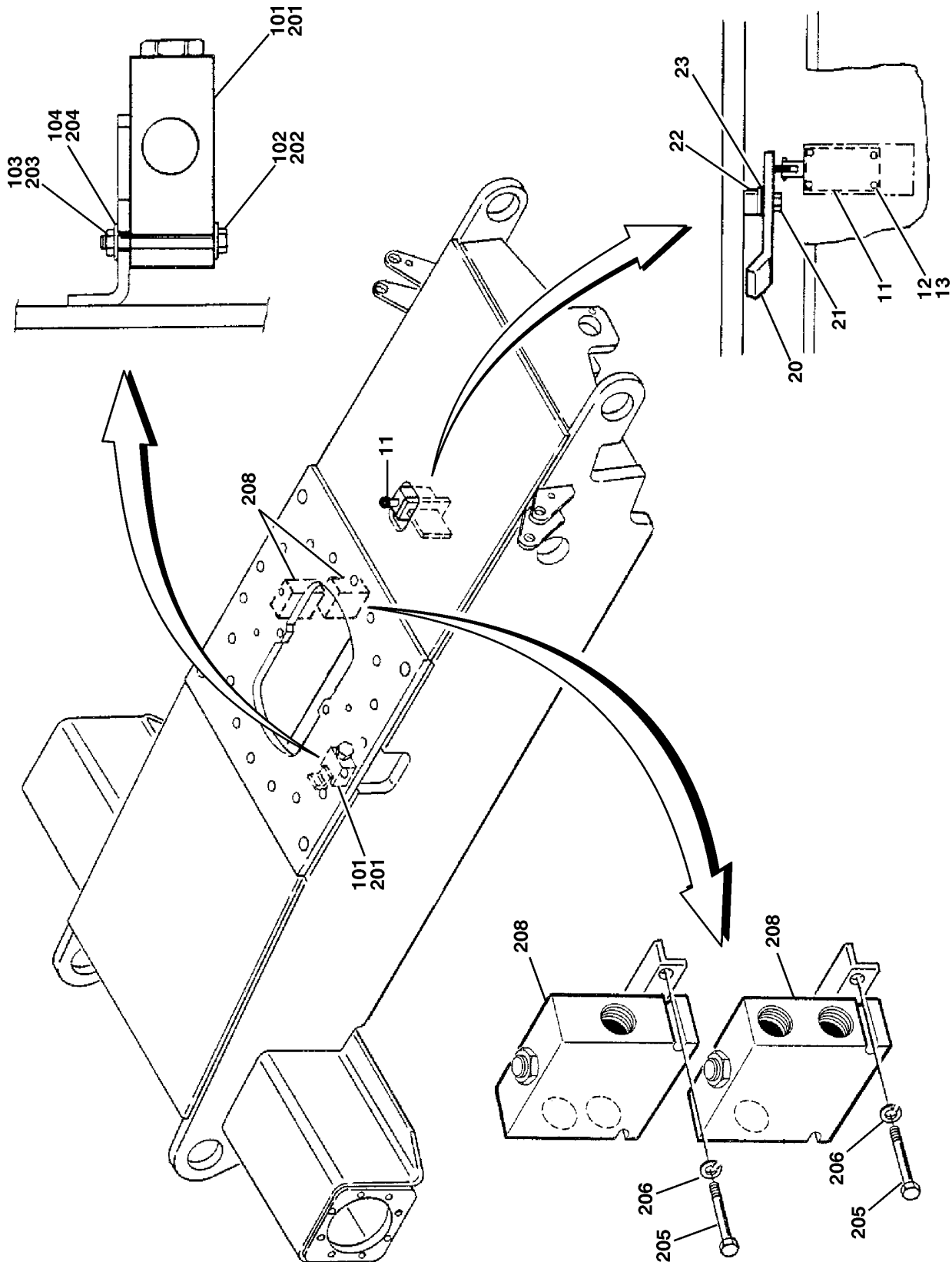


FIGURE 1-14. DRIVE MOTOR ASSEMBLY (2WD & 4WD MACHINES) (SERVICE REPLACEMENT)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT)	
	3160349	Ref.	2WD (Service Replacement Motor for p/n 3160299)	B
	3160350	Ref.	4WD (Service Replacement Motor for p/n 3160300)	B
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	70000794	1	Swashplate	
5	See Note	2	Pin (Note: Not Available for Purchase)	
6	Use 7022328	1	Gasket	
7	7027740	1	Cylinder Block Kit (Includes Items 9-17)	
8	7024862	1	Plate, Valve	
9	Use 7027740	1	Block, Cylinder	
10	Use 7027740	1	Guide, Slipper Retainer	
11	7021275	3	Pin, Slipper Hold Down	
12	7024865	9	Piston Assembly	
13	Use 7027740	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 7022328	1	O-Ring	
25	2220883	1	Plug (Includes Item 26)	
26	Use 7022328	1	O-Ring	
27	7027419	2	Plug (Includes Item 28)	
28	Use 7022328	2	O-Ring	
29		1	Seat, Spring Options: 2WD/2WS 2WD/4WS, 4WD/2WS & 4WD/4WS	
30	See Note	1	Housing (Note: Not Available - Purchase Complete Assy)	
31	2220883	2	Plug (Items Item 32)	
32	Use 7022328	2	O-Ring	
33	2220886	1	Plug (Items Item 34)	
34	Use 7022328	1	O-Ring	
35	Use 7022328	1	O-Ring	
36	Use 7022328	1	Ring, Seal	
37	7024871	1	Piston, Servo	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	Use 7022328	1	Seal, Lip	
41	7022371	1	Washer, Support	
42 to 50	Not Used			
51	7022328	1	Seal Kit (Includes Items 6,24,26,28,32,34,35,36 and 40)	

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FIGURE 1-15. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 0300069000 TO S/N 0300081836)



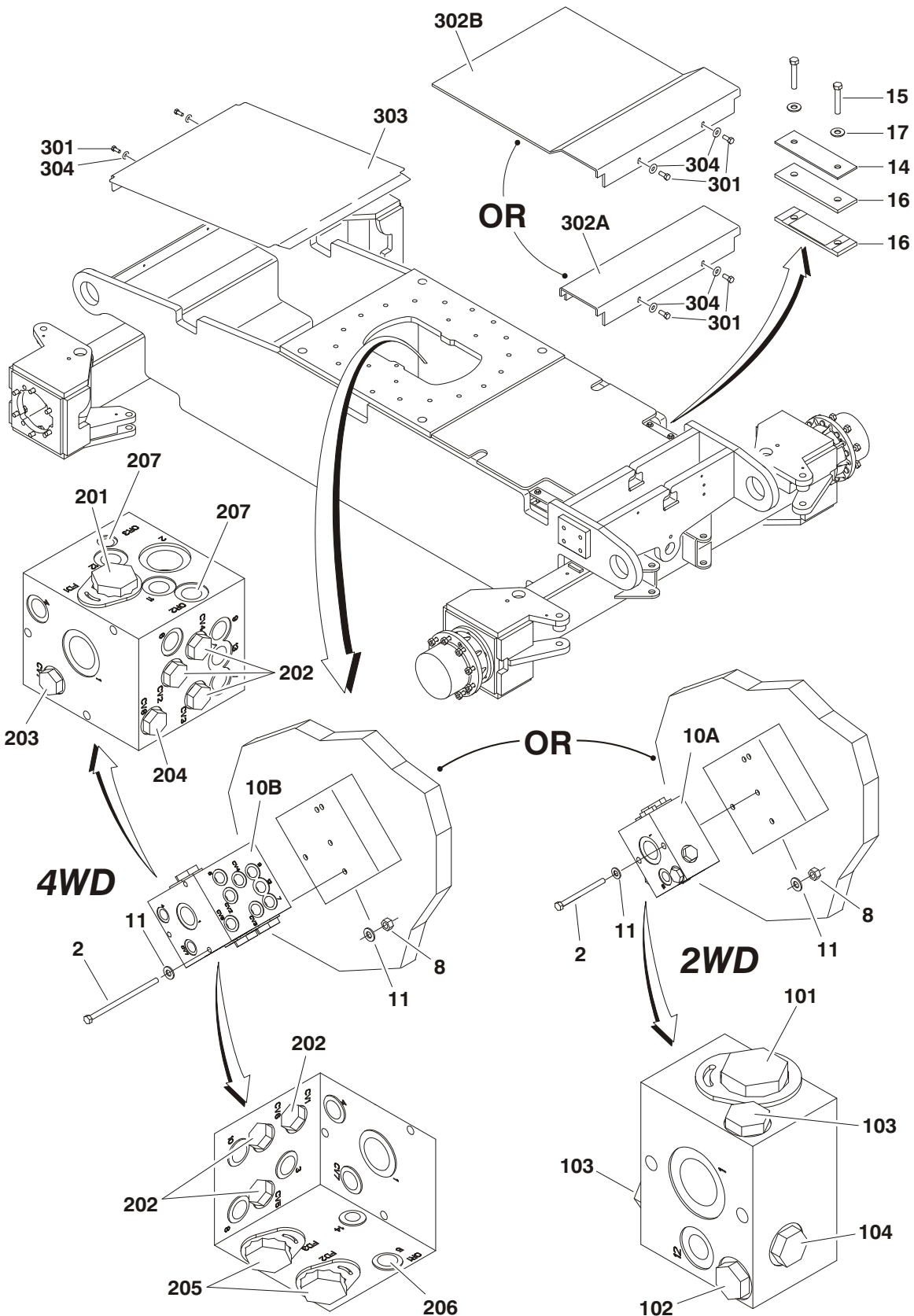
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FIGURE 1-15. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	OSCILLATING AXLE LOCKOUT VALVE INSTALLATIONS	
	0256398	Ref.	2WD with 8FT/2.4m Wide Frame	3
	0256397	Ref.	2WD with 7FT/2.1m Wide Frame	4
	0256392	Ref.	4WD	3
1 to 10	Not Used			
11	4640871	1	Valve, Cam	
	7012693	1	Seal Kit - 4640871 Valve	
	7002840	1	Tool, Pin Removal	
12	0641414	4	Bolt 1/4in-20NC x 1-7/8in	
13	4711400	8	Flatwasher 1/4in Thin	
14 to 19	Not Used			
20	1100098	1	Cam, Lockout	
21	0641816	3	Bolt 1/2in-13NC x 2in	
22	4751800	9	Flatwasher 1/2in Regular	
23	4566832	3	Tube, Spacer	
	0270123	Ref.	FRAME VALVE INSTALLATIONS (2WD)	3/B
101	4640923	1	Valve, Flow Divider	
	7012442	1	Cartridge	
	7012980	1	Seal Kit - 7012442 Cartridge	
	7012993	1	Orifice	
102	0641522	2	Bolt 5/16in-18NC x 2-3/4in	
103	3311505	2	Locknut 5/16in-18NC	
104	4751500	4	Flatwasher 5/16in Regular	
105	4060808	3.5ft/1.1m	Shield, Flex Trim (Not Shown)	
	0270124	Ref.	FRAME VALVE INSTALLATIONS (4WD)	3/E
201	4640923	1	Valve, Flow Divider	
	7012992	1	Cartridge	
	7012980	1	Seal Kit- 7012992 Cartridge	
	7012993	1	Orifice	
202	0641522	2	Bolt 5/16in-18NC x 2-3/4in	
203	3311505	2	Locknut 5/16in-18NC	
204	4751500	4	Flatwasher 5/16in Regular	
205	0641520	4	Bolt 5/16in-18NC x 2-1/2in	
206	4751500	4	Flatwasher 5/16in Regular	
207	Not Used			
208	4640937	2	Valve, Flow Divider	
	7012978	1	Cartridge	
	7012980	1	Seal Kit- 7012978 Cartridge	
	7012994	1	Orifice	
209	4060808	3/5ft/1.1m	Shield, Flex Trim (Not Shown)	

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FIGURE 1-16. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 0300081836 TO S/N 0300087000)



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FIGURE 1-16. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DRIVE VALVES INSTALLATION OPTIONS:	
	0273049	Ref.	2WD/2WS	D
	0274441	Ref.	2WD/4WS	B
	0273048	Ref.	4WD/2WS	F
	0273366	Ref.	4WD/4WS	E
1	Not Used			
2		A/R	Bolt 5/16in-18NC Options:	
	0641532	2	4in Length (2WD)	
	0641552	3	6-1/2in Length (4WD)	
3 to 7	Not Used			
8	3311505	A/R	Locknut 5/16in-18NC	
9	Not Used			
10		1	Flow Divider Valve Assembly Options:	
10A			2WD Options (See Items 101-104 for Breakdown):	
	Use 1001100120		S/N 0300081836 to S/N 0300086894 (was p/n 4641287 & p/n 4641409) (Original Equipment)	
	Use 1001100120		S/N 0300086894 to S/N 0300087000 (was p/n 4641409) (Original Equipment)	
	1001100120		Service Replacement	
		Ref.	Note: Original Equipment Valve may have been replaced with Service Replacement Valve. Identify p/n stamped on valve before ordering parts.	
10B			4WD Options (See Items 201-205 for Breakdown):	
	Use 1001098503		S/N 0300081836 to S/N 0300086894 (was p/n 4641280 & p/n 4641410) (Original Equipment)	
	Use 1001098503		S/N 0300086894 to S/N 0300087000 (was p/n 4641410) (Original Equipment)	
	1001098503		Service Replacement	
		Ref.	Note: Original Equipment Valve may have been replaced with Service Replacement Valve. Identify p/n stamped on valve before ordering parts.	
11	4711500	A/R	Flatwasher 5/16in Thin	
12 to 13	Not Used			
14		A/R	Bar, Clamping	
	Not Required	0	2WD/2WS	
	0363012	2	2WD/2WS, 4WD/2WS & 4WD/4WS	
15	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
16	3340911	4	Rubber, Clamp	
17	4751600	4	Flatwasher 3/8in Regular	
		Ref.	FLOW DIVIDER ASSEMBLY (2WD)	
	4641287	Ref.	S/N 0300081836 to S/N 0300086894 (Original Equipment)	C
	4641409	Ref.	S/N 0300086894 to S/N 0300087000 (Original Equipment)	B
	1001100120	Ref.	Service Replacement	A
101	7023933	1	Valve, Cartridge (Flow Divider)	
	7021625	1	Seal Kit - Flow Divider Cartridge	
	70000781	1	Locking Kit	

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FIGURE 1-16. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
102	7024850	1	Valve, Cartridge (Check) Options: S/N 0300081836 to S/N 0300086894 (Used with p/n 4641287)	
	7024892		S/N 0300086894 to S/N 0300087000 (Used with p/n 4641409 & p/n 1001100120)	
	7023936	1	Seal Kit - Check Cartridge	
103	7022397	2	Valve, Cartridge (Check)	
	7022399	2	Seal Kit - Check Cartridge	
104	7023935	1	Valve, Cartridge (Check)	
	7023936	1	Seal Kit - Check Cartridge	
		Ref.	FLOW DIVIDER ASSEMBLY (4WD)	
	4641280	Ref.	S/N 0300081836 to S/N 0300086894 (Original Equipment)	C
	4641410	Ref.	S/N 0300086894 to S/N 0300087000 (Original Equipment)	B
	1001098503	Ref.	Service Replacement	A
201	7023933	1	Valve, Cartridge (Flow Divider)	
	7021625	1	Seal Kit - Flow Divider Cartridge	
202		6	Valve, Cartridge (Check) Options:	
	7022397		Valve, Cartridge (p/n 4641280 & p/n 4641410)	
	7022399	6	Seal Kit - Check Cartridge	
	70003408		Valve, Cartridge (p/n 1001098503)	
	7022399	6	Seal Kit - Check Cartridge	
203	7023935	1	Valve, Cartridge (Check)	
	7023936	1	Seal Kit - Check Cartridge	
204		1	Valve, Cartridge (Check) Options:	
	7024850		S/N 0300081836 to S/N 0300086894 (Used with p/n 4641280)	
	7024892		S/N 0300086894 to S/N 0300087000 (Used with p/n 4641410 & p/n 1001098503)	
	7023936	1	Seal Kit - Check Cartridge	
205	7023917	2	Valve, Cartridge (Flow Divider)	
	7021625	2	Seal Kit - Flow Divider Cartridge	
206	70002063	1	Plug, Orifice	
207	70002064	2	Plug, Orifice	
		Ref.	FRAME SHIELDS INSTALLATION	
	0274349	Ref.	2WD/2WS	C
	0274229	Ref.	2WD/4WS (n600A/AJ Only)	A
	0274349	Ref.	4WD/2WS	E
	0274348	Ref.	4WD/4WS	D
301	0641608	A/R	Bolt, 3/8in-16NC x 7/8in	
302		1	Shield, Frame -Front Options:	
302A	3380557		Machines with 8ft/2.4m Wide Frames	
302B	3380560		Machines with 7ft/2.1m Wide Frames	

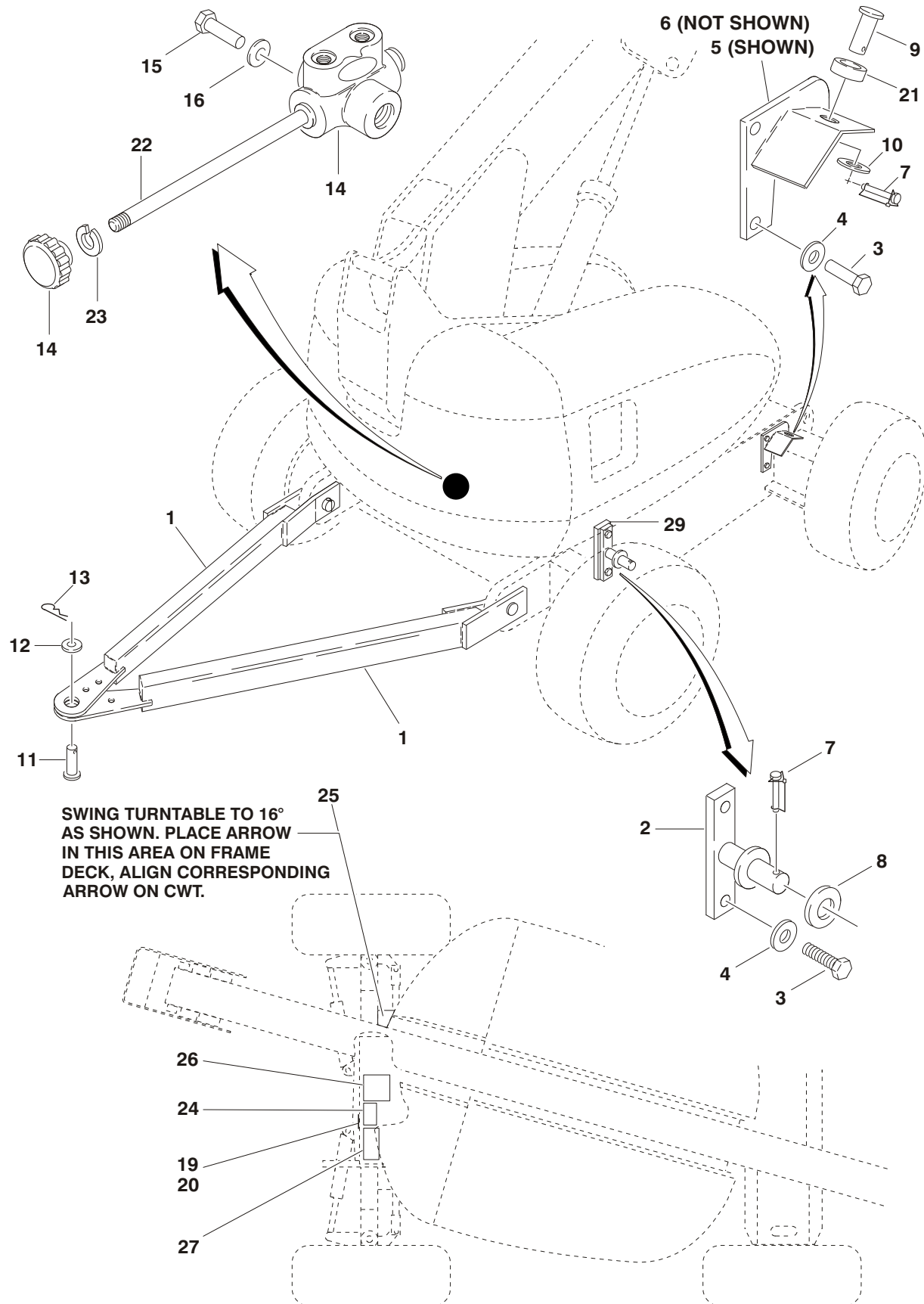
SECTION 1 FRAME

FIGURE 1-16. DRIVE VALVES & SHIELDS INSTALLATION (FRAME MOUNTED) (S/N 0300081836 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
303		A/R	Shield, Frame - Rear Options:	
	Not Required	0	2WS Machines with 8ft/2.4m Wide Frames	
	3380573	1	4WS Machines with 8ft/2.4m Wide Frames	
	3380558	1	Machines with 7ft/2.1m Wide Frames	
304	4751600	A/R	Flatwasher, 3/8in Regular	

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FIGURE 1-17. TOW PACKAGE INSTALLATION (S/N 0300069000 TO S/N 0300081836) (OPTIONAL)



**FIGURE 1-17. TOW PACKAGE INSTALLATION (S/N 0300069000 TO S/N 0300081836)
(OPTIONAL)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	TOW INSTALLATION OPTIONS:	
	0257436	Ref.	7FT/2.1M Width Machines - ANSI Spec	3
	0259427	Ref.	7FT/2.1M Width Machines - CSA Spec	1
	0257101	Ref.	8FT/2.4M Width Machines - ANSI Spec	2
	0259426	Ref.	8FT/2.4M Width Machines - CSA Spec	1
1	4845281	1	Tow Bar Weldment	
2		2	Bracket, Tow Bar Options:	
	Not Required		7ft/2.1m Width Machines	
	4845283		8ft/2.4m Width Machines	
3		8	Bolt 3/8in-16NC x 1in Options:	
	Not Required		7ft/2.1m Width Machines	
	0641608		8ft/2.4m Width Machines	
4		8	Flatwasher 3/8in Thin Options:	
	Not Required		7ft/2.1m Width Machines	
	4711600		8ft/2.4m Width Machines	
5		1	Bracket, Tow Bar Options:	
	Not Required		7ft/2.1m Width Machines	
	4845450		8ft/2.4m Width Machines	
6		1	Bracket, Tow Bar Options:	
	Not Required		7ft/2.1m Width Machines	
	4845451		8ft/2.4m Width Machines	
7	3421453	4	Pin, Snap	
8	4712600	A/R	Flatwasher 1in Thin	
9	3422553	2	Pin, Tow Bar	
10	4713400	2	Flatwasher 1-1/2in Thin	
11	3422553	1	Pin, Tow Bar	
12	4713000	2	Flatwasher 1-1/4in Thin	
13	3420592	1	Hairpin	
14	4640261	1	Diversion Valve Assembly	
15	0641505	2	Bolt 5/16in-18NC x 5/8in	
16	4711500	2	Flatwasher 5/16in Thin	
17	Not Used			
18	Not Used			
19		1	Nameplate Options:	
	3250872		ANSI Spec	
	1704272		CSA Spec	
20		4	Rivet Options:	
	3820001		ANSI Spec	
	Not Required		CSA Spec	
21	4567172	2	Tube, Spacer	
22	3841329	1	Rod Extension	
23	4761600	1	Lockwasher 3/8in	
24		1	Decal - Instruction Options:	
	1703403		ANSI Spec	
	1704275		CSA Spec	
25	1703404	2	Decal - Match Arrow	
26	1703444	1	Decal	

SECTION 1 FRAME

**FIGURE 1-17. TOW PACKAGE INSTALLATION (S/N 0300069000 TO S/N 0300081836)
(OPTIONAL)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
27	1703450 1704274	1	Decal Options: ANSI Spec CSA Spec	
28	3539662	1	Plate, Valve Mounting (Not Shown)	
29	Not Required 0362519	4	Bar, Tow Clamp Options: 7ft/2.1m Width Machines 8ft/2.4m Width Machines	

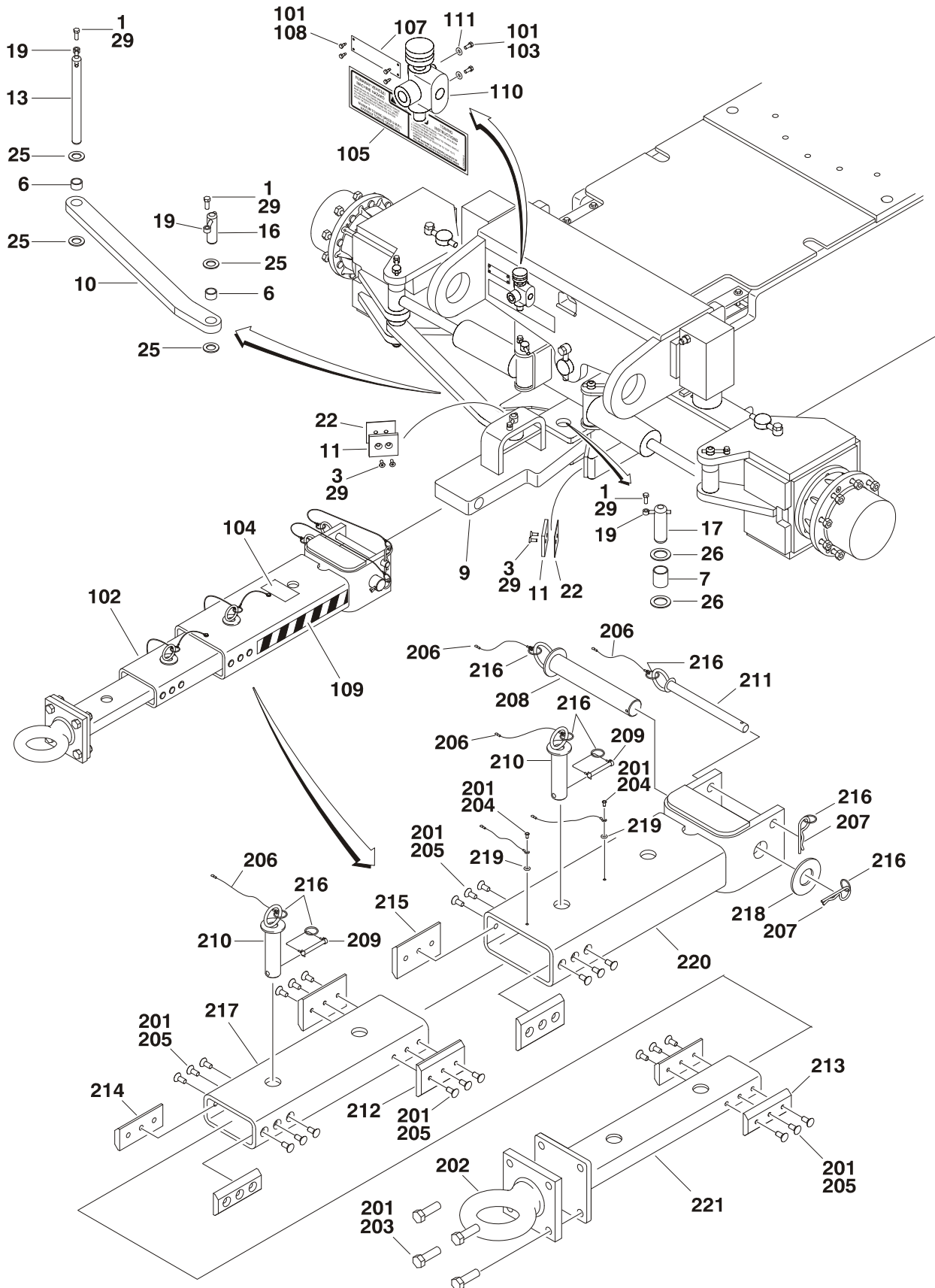
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**FIGURE 1-17. TOW PACKAGE INSTALLATION (S/N 0300069000 TO S/N 0300081836)
(OPTIONAL)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-18. TOW PACKAGE INSTALLATION (S/N 0300081836 TO S/N 0300087000) (OPTIONAL)



**FIGURE 1-18. TOW PACKAGE INSTALLATION (S/N 0300081836 TO S/N 0300087000)
(OPTIONAL)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	TOW INSTALLATIONS	
	0274257	Ref.	7FT/2.1M Width Machines	A
	0274220	Ref.	8FT/2.4M Width Machines	B
1	0641608	3	Bolt 3/8in-16NC x 1in	
2	Not Used			
3	0741607	8	Bolt 3/8in-16NC x 1in Options:	
4 to 5	Not Used			
6	0962292	2	Bushing	
7	0962348	1	Bushing	
8	Not Used			
9	2980125	1	Pivot	
10		1	Link, Tow Options:	
	2575716		7FT/2.1M Width Machines	
	3010141		8FT/2.4M Width Machines	
11	3340966	2	Pad, Stop	
12	Not Used			
13	3422327	1	Pin	
14 to 15	Not Used			
16	3422813	1	Pin	
17	3422848	1	Pin	
18	Not Used			
19	3841143	3	Keeper, Pin	
20 to 21	Not Used			
22	4071059	2	Shim	
23 to 24	Not Used			
25		A/R	Thrustwasher Options:	
	4740184	1	7FT/2.1M Width Machines	
	4740111	2	8FT/2.4M Width Machines	
26	4740155	2	Thrustwasher	
27 to 28	Not Used			
29	0100011	A/R	Compound, Locking	
	0274235	Ref.	TOW BAR INSTALLATION	B
101	0100011	A/R	Compound, Locking	
102	0270528	1	Bar Assembly (See Items 201-221 for Breakdown)	
103	0641516	2	Bolt 5/16in-18NC x 2	
104	1704578	2	Decal - Crushing	
105	1705090	1	Decal - Towing Instructions	
106	Not Used			
107	3250872	1	Nameplate, Steer/Tow Select Valve	
108	3940604	4	Screw, Self-Tapping #6-32NF x 1/2in	
109	4420051	A/R	Tape, Safety	
110	4640261	1	Valve, Float Position	
111	4751500	2	Flatwasher 5/16in Regular	

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**FIGURE 1-18. TOW PACKAGE INSTALLATION (S/N 0300081836 TO S/N 0300087000)
(OPTIONAL) (CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270528	Ref.	TOW BAR ASSEMBLY	A
201	0100011	A/R	Compound, Locking	
202	0362910	1	Pintle, Draw Eye	
203	0642010	4	Bolt 5/8in-11NC x 1-1/4in	
204	0721004	2	Screw, Hex Machine	
205	0741607	24	Screw, Countersunk 3/8in-16NC x 7/8in	
206	1060584	6	Cable, Lanyard	
207	3420372	2	Pin, Cotter	
208	3420447	1	Pin, Towing	
209	3421565	2	Pin, Snap	
210	3422841	2	Pin	
211	3422847	1	Pin	
212	3572009	2	Plate, Slide Stop	
213	3572010	2	Plate, Slide Stop	
214	3572011	2	Plate, Slide Stop	
215	3572012	2	Plate, Slide Stop	
216	3760170	8	Ring, Split	
217	4568133	1	Tube, Tow Bar	
218	4740036	1	Flatwasher, Special	
219	4751000	2	Flatwasher #10 Regular	
220	4846295	1	Tow Bar Attach Weldment	
221	4846296	1	Pintle Attach Weldment	

SECTION 2

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SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS

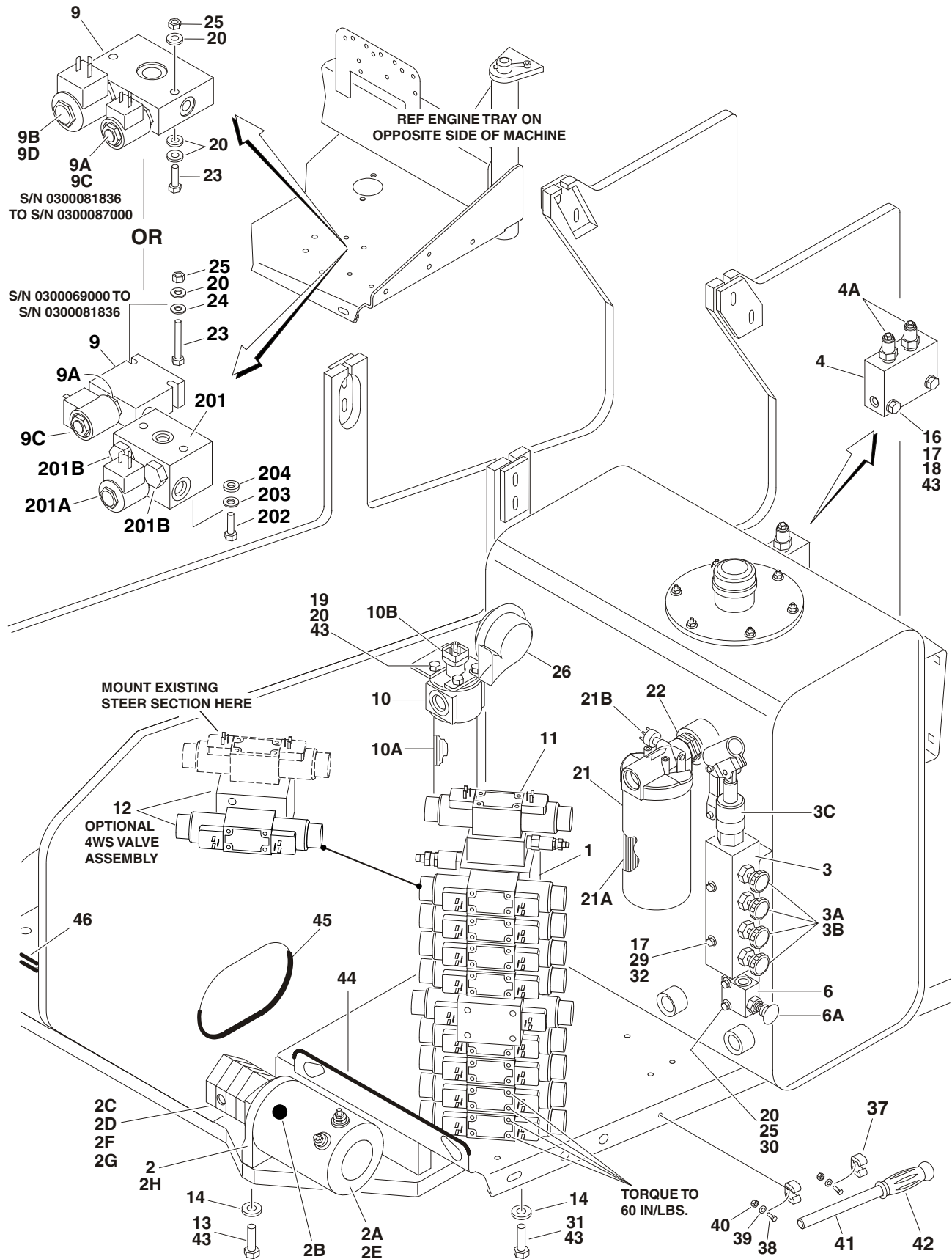


FIGURE 2-1. CONTROL VALVES INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	CONTROL VALVES INSTALLATIONS	
	0255440	Ref.	600A 2WS (S/N 0300069000 to S/N 0300081836)	13
	0274276	Ref.	600A 2WS (S/N 0300081836 to S/N 0300084829)	1
	0274309	Ref.	600A 2WS (S/N 0300084829 to S/N 0300087000)	1
	0255442	Ref.	600A 4WS (S/N 0300069000 to S/N 0300081836)	12
	0274278	Ref.	600A 4WS (S/N 0300081836 to S/N 0300084829)	1
	0274311	Ref.	600A 4WS (S/N 0300084829 to S/N 0300087000)	1
	0255441	Ref.	600AJ 2WS (S/N 0300069000 to S/N 0300081836)	15
	0274277	Ref.	600AJ 2WS (S/N 0300081836 to S/N 0300084829)	1
	0274310	Ref.	600AJ 2WS (S/N 0300084829 to S/N 0300087000)	1
	0255443	Ref.	600AJ 4WS (S/N 0300069000 to S/N 0300081836)	12
	0274279	Ref.	600AJ 4WS (S/N 0300081836 to S/N 0300084829)	1
	0274312	Ref.	600AJ 4WS (S/N 0300084829 to S/N 0300087000)	1
1	4641097	1	Main Valve Block Assembly (See Figure 2-2 for Breakdown)	
2		1	Auxiliary Pump Assembly Options:	
	3600243		S/N 0300069000 to S/N 0300070784	B
	3600365	1	S/N 0300070784 to S/N 0300087000	B
2A		A/R	Replacement Motor Options:	
	7013755	1	Replacement Motor for Pump p/n 3600243	
	7013799	1	Brush Kit - 7013755 Motor	
	Use 7004290	1	Replacement Motor with Endhead Item 2H for Pump p/n 3600365 (Was p/n 7011067)	
	7004248	1	Replacement Motor without Endhead Item 2H for Pump p/n 3600365	
	7011065	1	Brush Kit - 7011067 Motor	
2B		1	Coupling Options:	
	7013711		Coupling for Pump p/n 3600243	
	7011063		Coupling for Pump p/n 3600365	
2C		1	Replacement Pump Options:	
	7013796	1	Replacement Pump for Pump p/n 3600243	
	See Note	1	Seal Kit (Note: Not Available Purchase Individual Components)	
	7016700	1	Seal, Oil	
	7016701	1	O-Ring	
	7016702	1	O-Ring	
	7011064	1	Replacement Pump for Pump p/n 3600365	
	7011066	1	Seal Kit	
	See Note	1	Relief Valve (Note: Not Available - Replace Complete Pump)	
2D		4	Bolt (Pump to Bracket) Options:	
	7022203		Bolt for Pump p/n 3600243	
	7011043		Bolt for Pump p/n 3600365	
2E		2	Bolt (Motor to Bracket) Options:	
	7016744		Bolt for Pump p/n 3600243	
	See Note		Bolt for Pump p/n 3600365 (Note: Not Available for Purchase)	
2F		1	Gasket Options:	
	7016746		Gasket for Pump p/n 3600243	
	7011044		Gasket for Pump p/n 3600365	

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FIGURE 2-1. CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
2G	Not Required 7011048	4	Lockwasher Options: Lockwasher for Pump p/n 3600243 Lockwasher for Pump p/n 3600365	
2H	7016747 7011062	4	Endhead, Motor Options: Endhead for Pump p/n 3600243 Endhead for Pump p/n 3600365	
3	4640930	1	Manual Descent Valve Assembly (S/N 0300069000 to S/N 0300070977)	
3A	7012954	4	Cartridge, Needle	
	7012953	4	Seal, Kit - 7012954 Cartridge	
3B	7012961	4	Knob	
3C	7012694	1	Cartridge, Pump	
	7012699	1	Seal Kit - 7012694 Cartridge	
4	4640908	1	Counterbalance Valve Assembly	
4A	7011328	2	Cartridge, Counterbalance	
	2900770	2	Seal Kit - 7011328 Cartridge	
5	Not Used			
6	4640866	1	Manual Pull Valve Assembly	
	2900708	1	Seal Kit - 4640866 Valve	
6A	7012959	1	Knob	
7 to 8	Not Used			
9	4640907 Use 1001099391	1	Brake Valve Assembly Options: Brake Valve Assembly (S/N 0300069000 to S/N 0300081836) Brake Valve Assembly (S/N 0300081836 to S/N 0300087000) (Was p/n 4641108)	
9A	7012941 7012907 7010543	1	Cartridge Without Coil Options: Seal Kit - 7012941 Cartridge (Brake Valve p/n 4640907) Seal Kit - 7012941 Cartridge (Brake Valve p/n 4641108 & 1001099391)	
9B	Not Required 7012995 7012518	A/R 0 1 1	Cartridge Without Coil Options: Brake Valve p/n 4640907 Brake Valve p/n 4641108 & 1001099391 Seal Kit - 7012995 Cartridge (Brake Valve p/n 4641108)	
9C	7012944	1	Coil	
9D	Not Required 7012943	1 0 1	Coil Options: Brake Valve p/n 4640907 Brake Valve p/n 4641108 & 1001099391	
10	2120146 2120209	1	Hydraulic Pressure Filter Assembly Options: S/N 0300069000 to S/N 0300084829 S/N 0300084829 to S/N 0300087000	
10A	2120150 2120210	1 1	Element, Filter - p/n 2120146 Element, Filter - p/n 2120209	
10B	7016312 7020020	1 1	Switch, Clog Indicator - p/n 2120146 Manual Indicator - p/n 2120209	
10C	7023206 70000934	1 1	O-Ring, Filter Bowl - p/n 2120146 (Not Shown) O-Ring, Filter Bowl - p/n 2120209 (Not Shown)	

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FIGURE 2-1. CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
11	Not Required 4640921 4921927	1	Articulating Jib Valve Kit (See Figure 2-3 for Breakdown) Options: 600A - 2WS/600A - 4WS 600AJ - 2WS/600AJ - 4WS Harness, Articulating Jib (Not Shown - See Section 7 for Breakdown)	B B
12	Not Required 4640922 4921928	1	4WS Valve Assembly (See Figure 2-3 for Breakdown) Options: 600A - 2WS/600AJ - 2WS 600A - 4WS/600AJ - 4WS	
13	0641613	1	Harness, 4WS (Not Shown - See Section 7 for Breakdown)	
14	0641613	2	Bolt 3/8in-16NC x 1-5/8in	
15	4711600	A/R	Flatwasher 3/8in Thin	
16	Not Used			
17	4891800	2	Flatwasher 1/2in Hardened (S/N 0300069000 to S/N 0300074392)	
18	4711500	A/R	Flatwasher 5/16in Thin	
19	3311501	2	Hardware Options: Nut 5/16in-18NC (S/N 0300069000 to S/N 0300074392)	
20	0641514		Bolt 5/16in-18NC x 1-3/4in (S/N 0300074392 to S/N 0300087000)	
21	0651406	A/R	Bolt 1/4in-28NF x 3/4in	
22	4711400	A/R	Flatwasher 1/4in Thin	
23	2120145	1	Return Filter Assembly Options: S/N 0300069000 to S/N 0300084829	
24	2120164		S/N 0300084829 to S/N 0300087000	
25	2120149	1	Element, Filter	
26	7016313	1	Switch, Clog Indicator - p/n 2120145	
27	7020021	1	Manual Indicator - p/n 2120164	
28	2220893	1	Fitting, Adaptor	
29	0641416	2	Bolt 1/4in-20NC x 2in	
30	4891400	4	Flatwasher 1/4in Hardened	
31	3311405	A/R	Locknut 1/4in-20NC	
32	0140001	1	Horn	
33 to 36	Not Used			
37	0641522	2	Bolt 5/16in-18NC x 2-3/4in (S/N 0300069000 to S/N 0300070977)	
38	0641414	2	Bolt 1/4in-20NC x 1-3/4in	
39	0641608	3	Bolt 3/8in-16NC x 1in	
40	3311505	2	Locknut 5/16in-18NC (S/N 0300069000 to S/N 0300070977)	
41	Not Used			
42	1380136	2	Clip, Gripper (S/N 0300069000 to S/N 0300070977)	
43	3910806	2	Screw #8 x 3/4in (S/N 0300069000 to S/N 0300070977)	
44	4750800	4	Flatwasher #8 Regular(S/N 0300069000 to S/N 0300070977)	
45	3310805	2	Locknut #8 (S/N 0300069000 to S/N 0300070977)	
46	2560122	1	Handle (S/N 0300069000 to S/N 0300070977)	
47	2560123	1	Grip, Handle (S/N 0300069000 to S/N 0300070977)	
48	0100011	A/R	Compound, Locking	
49	4060804	16in/40cm	Trim-Loc 3/16in	
50	4060918	79in/1.9m	Trim-Loc 5/8in	
51	4060807	18in/46cm	Trim-Loc 3/8in	

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FIGURE 2-1. CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
47 to 200	Not Used			
	2792195	Ref.	4WD DRIVE HYDRAULIC DIAGRAM (S/N 0300069000 TO S/N 0300081836)	8
201	4640906	1	Valve, 2-Speed Motor Control	
201A	7012974	1	Cartridge Without Coil	
	7012905	1	Seal Kit	
	7012944	1	Coil	
201B	Use 4640906	2	Cartridge, Check Valve (Note: Not Available for Purchase)	
	7012972	2	Seal Kit	
202	0641508	2	Bolt 5/16in-18NC x 1in	
203	4891500	2	Flatwasher 5/16in Hardened	
204	4711500	2	Flatwasher 5/16in Thin	

FIGURE 2-1. CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-2. MAIN VALVE BLOCK ASSEMBLY

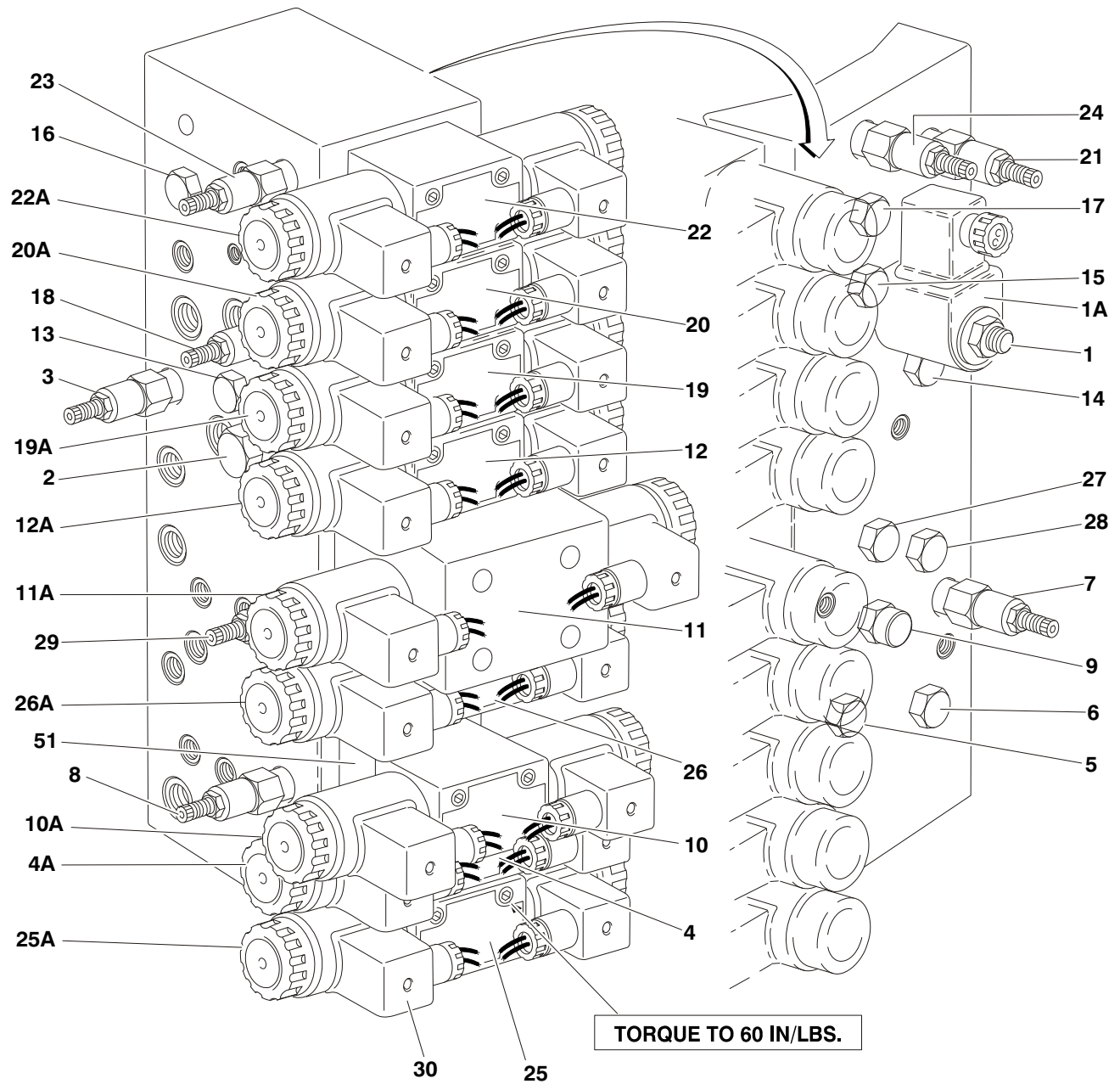


FIGURE 2-2. MAIN VALVE BLOCK ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4641097	Ref.	MAIN VALVE BLOCK ASSEMBLY	B
1	7017410	1	Cartridge, Without Coil	
	7012967	1	Seal Kit - 7017410 Cartridge	
1A	7012944	1	Coil	
2	7017411	1	Cartridge, Pressure Sensing	
	7012518	1	Seal Kit	
3	7017418	1	Cartridge (Main Relief)	
	7012998	1	Seal Kit	
4	Use 70001976	1	Control Valve Assembly (Platform Level) (was p/n 7012770)	
	7012773	1	Seal Kit	
4A	7012772	2	Coil	
	7018912	2	Nut	
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	7017428	1	Cartridge, Relief Valve (Platform Level Backward Relief)	
	7012998	1	Seal Kit - 7017428 Cartridge	
8	7017427	1	Cartridge, Relief Valve (Platform Level Forward Relief)	
	7012998	1	Seal Kit - 7012912 Cartridge	
9	7012989	1	Cartridge, Flow Control	
	7012953	1	Seal Kit - 7012989 Cartridge	
10	Use 70001976	1	Control Valve Assembly (Platform Rotate) (was p/n 7012770)	
	7012773	1	Seal Kit	
10A	7012772	2	Coil	
	7018912	2	Nut	
11	Use 70000579	1	Control Valve Assembly Options (Upper Tele):	
	70000579	Ref.	S/N 0300069000 to S/N 0300092881 (Was p/n 7012766)	
			S/N 0300092881 to S/N 0300087000	
			Note: Refer to Vendor P/N on Valve Nameplate before ordering Parts. 7012766 is RR00567495 or R900567495. 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	
12	7012775	1	Control Valve Assembly (Flow Control)	
	7012773	1	Seal Kit	
12A	7012772	2	Coil	
	7018912	2	Nut	
13	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	

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FIGURE 2-2. MAIN VALVE BLOCK ASSEMBLY (CONTINUED)

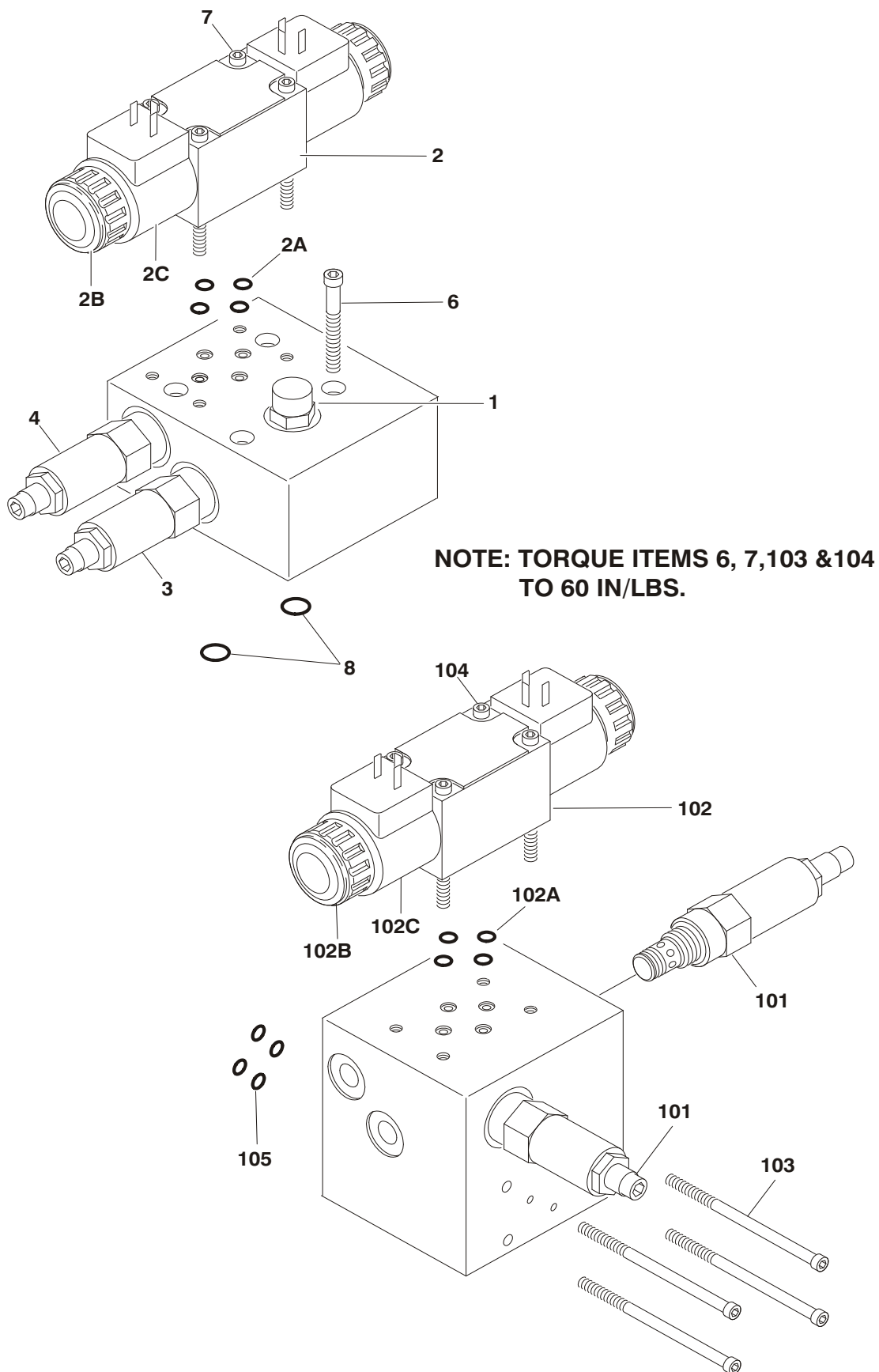
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
14	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
15	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
16	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
17	7010542	1	Cartridge, Shuttle	
	7010543	1	Seal Kit - 7010542 Cartridge	
18	7017420	1	Cartridge, Relief Valve	
	7012998	1	Seal Kit - 7017420 Cartridge	
19	7012775	1	Control Valve Assembly (Upper Lift)	
	7012773	1	Seal Kit	
	7012799	1	Lanyard Assembly (Not Shown)	
19A	7012772	2	Coil	
	7018912	2	Nut	
20	7012775	1	Control Valve Assembly (Swing)	
	7012773	1	Seal Kit	
20A	7012772	2	Coil	
	7018912	2	Nut	
21	7017423	1	Cartridge, Relief Valve (Swing Right/Left Relief)	
	7012998	1	Seal Kit - 7017423 Cartridge	
22	7012774	1	Control Valve Assembly (Steer)	
	7012773	1	Seal Kit	
22A	7012772	2	Coil	
	7018912	2	Nut	
23	7017428	1	Cartridge, Relief Valve (Steer Left Relief)	
	7012998	1	Seal Kit - 7017428 Cartridge	
24	7017428	1	Cartridge, Relief Valve (Steer Right Relief)	
	7012998	1	Seal Kit - 7017428 Cartridge	
25	Use 70001976	1	Control Valve Assembly (Lower Tele) (was p/n 7012770)	
	7012773	1	Seal Kit	
25A	7012772	2	Coil	
	7018912	2	Nut	
26	7018952	1	Control Valve Assembly (Lower Lift)	
	7012769	1	Seal Kit	
26A	7012772	2	Coil	
	7018912	2	Nut	
	7012799	1	Lanyard Cable Assembly	
27	7012969	1	Cartridge, Check	
	7012967	1	Seal Kit - 7012969 Cartridge	
28	7012914	1	Cartridge, Check	
	7012918	1	Seal Kit - 7012914 Cartridge	
29	Not Used			
30	4460499	19	Connector, Din with Diode (Part of Valve Harness)	
31 to 50	Not Used			
	2901763	1	Rotate Sandwich Valve Kit	A
51	7021310	1	Block, Valve	

FIGURE 2-2. MAIN VALVE BLOCK ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-3. ACCESSORY VALVE ASSEMBLIES



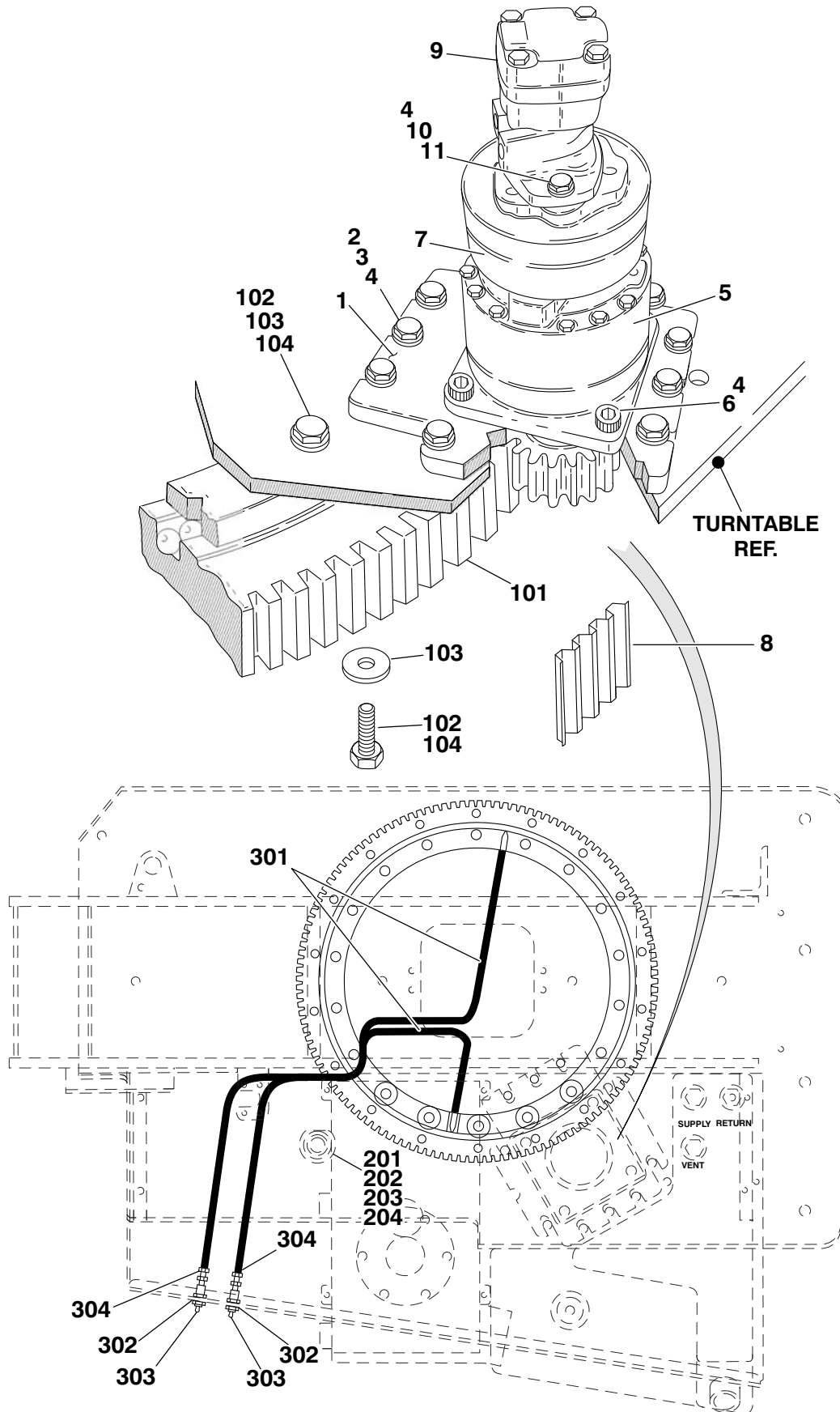
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FIGURE 2-3. ACCESSORY VALVE ASSEMBLIES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4640921	Ref.	ARTICULATING JIB VALVE ASSEMBLY	D
1	7012965	1	Cartridge, Flow Control	
	7012953	1	Seal Kit - 7012965 Cartridge	
2	Use 70001976	1	Directional Control Valve Assembly (was p/n 7012770)	
	7012773	1	Seal Kit	
2A	7018945	4	O-Ring	
2B	7018912	2	Nut	
2C	7012772	2	Coil	
3	7017421	1	Cartridge, Relief	
	7012998	1	Seal Kit - 7017421 Cartridge	
4	7017422	1	Cartridge, Relief	
	7012998	1	Seal Kit - 7017422 Cartridge	
5	4460499	2	Connector, DIN with Diode (Part of Valve Harness)	
6	7018946	4	Capscrew, Socket Head #10-24NC x 5in (Not Shown - Used to Mount Valve Assembly)	
7	7018942	4	Capscrew, Socket Head #10-24NC x 2in	
8	7012776	4	O-Ring (Not Shown - Used to Mount to Main Valve)	
	4640922	Ref.	4WS VALVE ASSEMBLY	B
101	7017420	2	Cartridge, Flow Control	
	7012998	2	Seal Kit - 7017420 Cartridge	
102	7012774	1	Directional Control Valve Assembly	
	7012773	1	Seal Kit	
102A	7018945	4	O-Ring	
102B	7018912	2	Nut	
102C	7012772	2	Coil	
103	7018946	4	Capscrew, Socket Head #10-24NC x 5in (Used to Mount Valve Assembly)	
104	7018942	4	Capscrew, Socket Head #10-24NC x 2in	
105	7018948	4	O-Ring (Used to Mount to Main Valve)	

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FIGURE 2-4. SWING DRIVE, TURNTABLE BEARING & LOCK INSTALLATIONS



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FIGURE 2-4. SWING DRIVE, TURNTABLE BEARING & LOCK INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270329	Ref.	SWING DRIVE INSTALLATIONS	A
1	3537318	1	Plate, Swing Drive Mounting	
2	0642018	10	Bolt 5/8in - 11NC x 2-1/4in	
3	4892000	10	Flatwasher 5/8in Hardened	
4	0100011	A/R	Compound, Locking	
5	2780205	1	Swing Hub Assembly (See Figure 2-5 for Breakdown)	
6	3932224	4	Bolt 1/2in - 13NC x 1-1/2in	
7	0920119	1	Swing Brake Assembly	
	7018612	1	Repair Kit - 0920119 Brake (Note: Kit is only repair part available)	
8	Not Used			
9	3160273	1	Swing Motor Assembly (See Figure 2-6 for Breakdown)	
10	0681836	2	Bolt 1/2in - 13NC x 4-1/2in	
11	4891800	2	Flatwasher 1/2in Hardened	
	0254798	Ref.	TURNTABLE BEARING INSTALLATION	1/A
101	Use 2915087	1	Bearing Kit (was p/n 0440207) (Kit Includes Bearing & Mounting Hardware)	
102	0682016	36	Bolt 5/8in - 11NC X 2in (Grade 8)	
103	4892000	36	Flatwasher 5/8in Hardened	
104	0100019	A/R	Compound, Locking	
	0255410	Ref.	TURNTABLE LOCK INSTALLATION	—
201	4844958	1	Pin	
202	3421565	1	Pin, Snap	
203	3760170	2	Ring, Quick Release	
204	1260017	9in/23cm	Chain	
	0255444	Ref.	REMOTE BEARING LUBE INSTALLATION	1/D
301	2751032	2	Hose, Grease	
302	2180344	2	Fitting, Bulkhead	
303	2160002	2	Fitting, Grease	
304	2220001	2	Fitting, Straight	

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FIGURE 2-5. SWING HUB ASSEMBLY

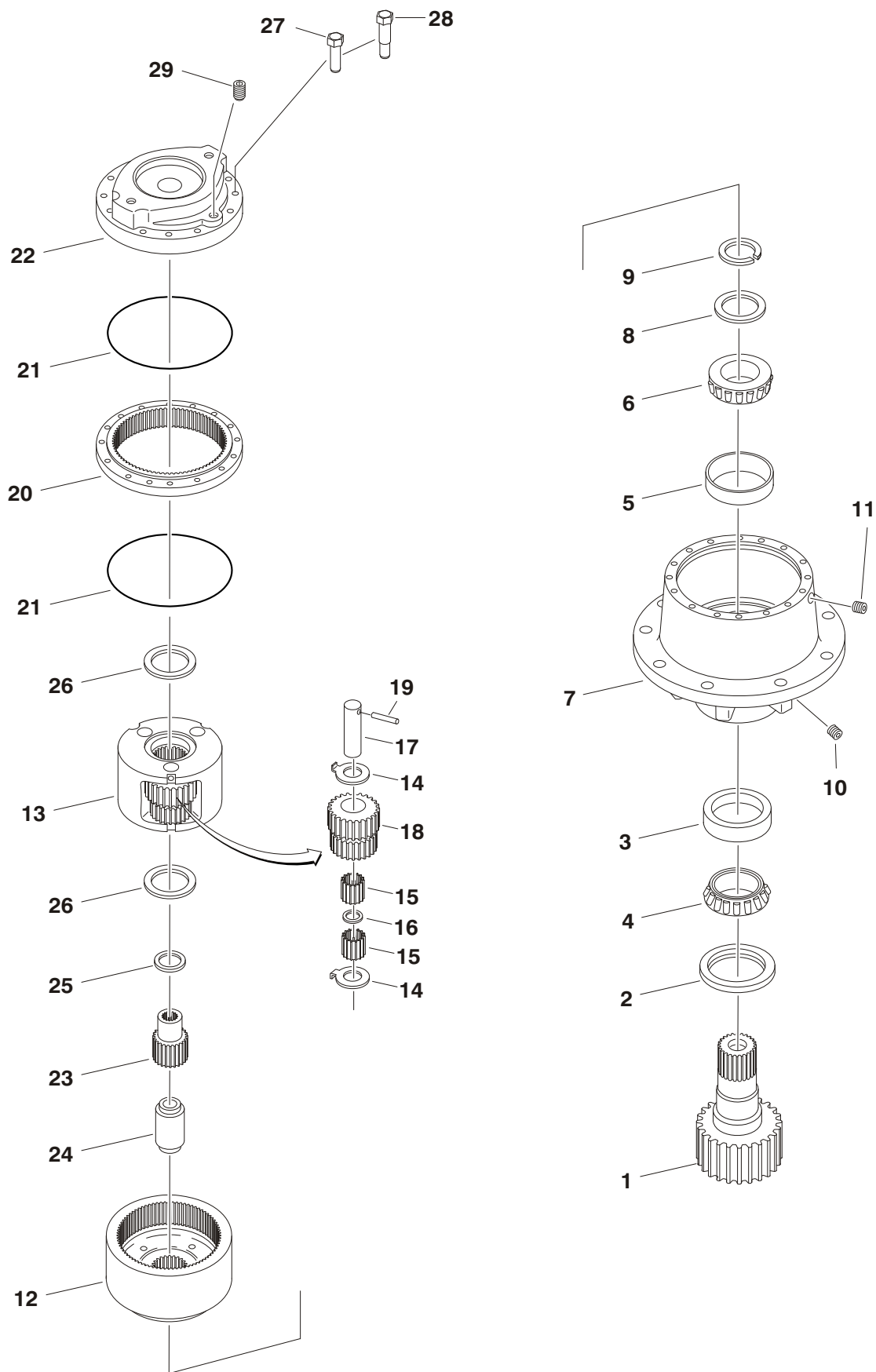


FIGURE 2-5. SWING HUB ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780205	Ref.	SWING HUB ASSEMBLY	—
		Ref.	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	7017089	1	Housing	
8	7007633	1	Thrustwasher	
9	7000229	1	Ring, Retaining	
10	7010494	2	Pipe, Plug	
11	7001928	2	Pipe, Plug	
12	7000246	2	Gear, Internal	

13		Ref.	CARRIER ASSEMBLY	
	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	2	O-Ring	
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	7000242	1	Pipe, Plug	

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FIGURE 2-6. SWING MOTOR ASSEMBLY

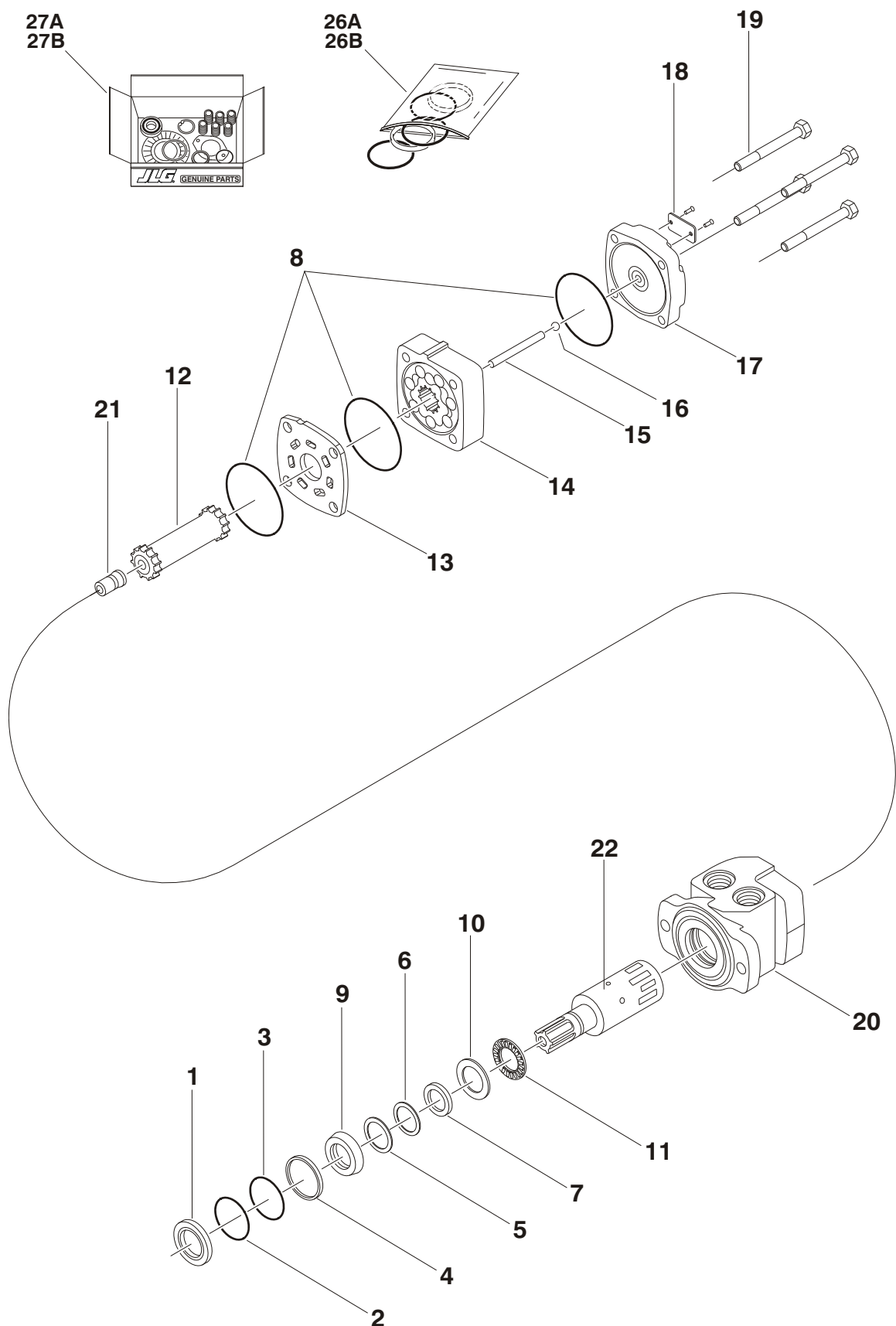
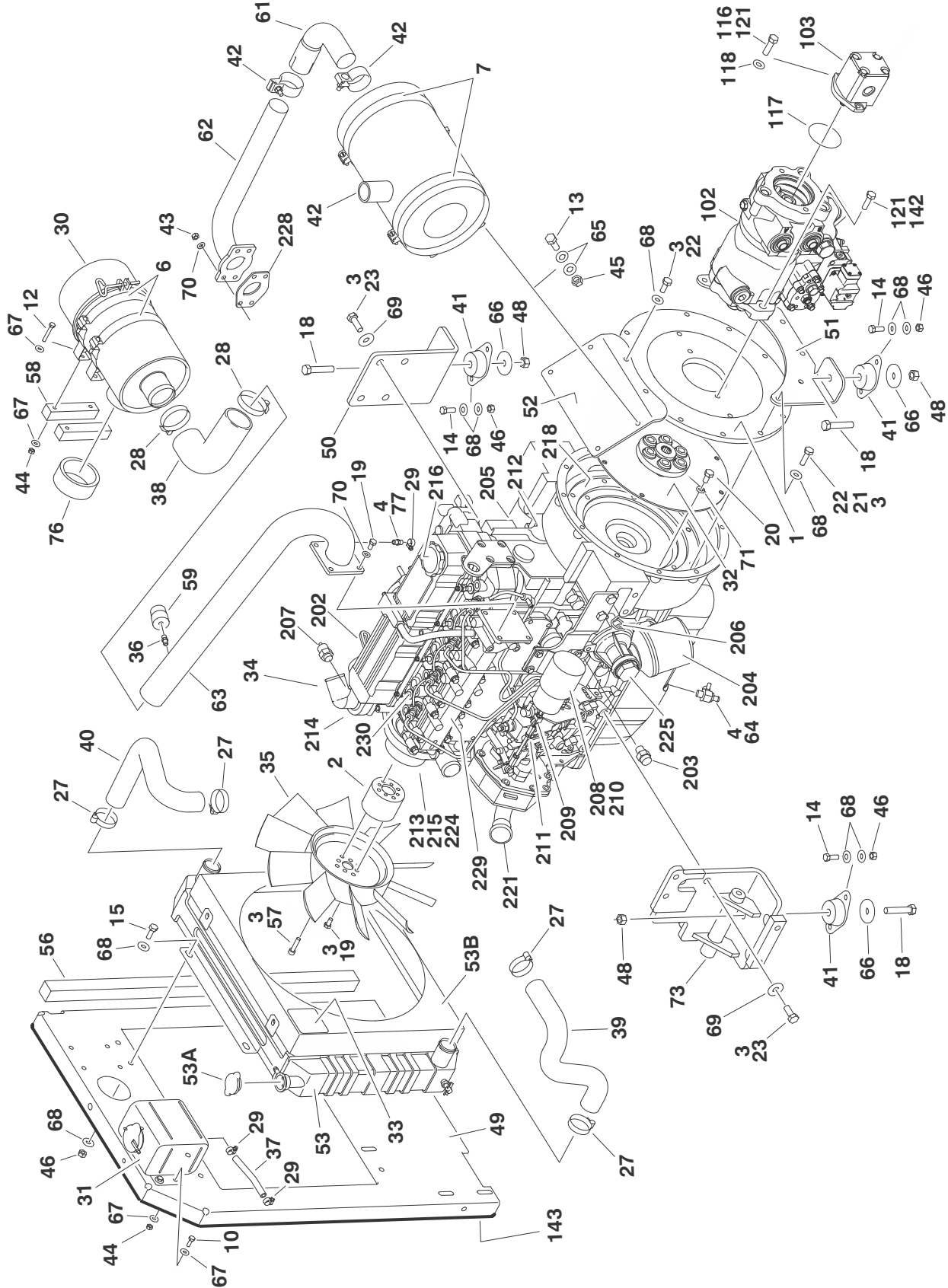


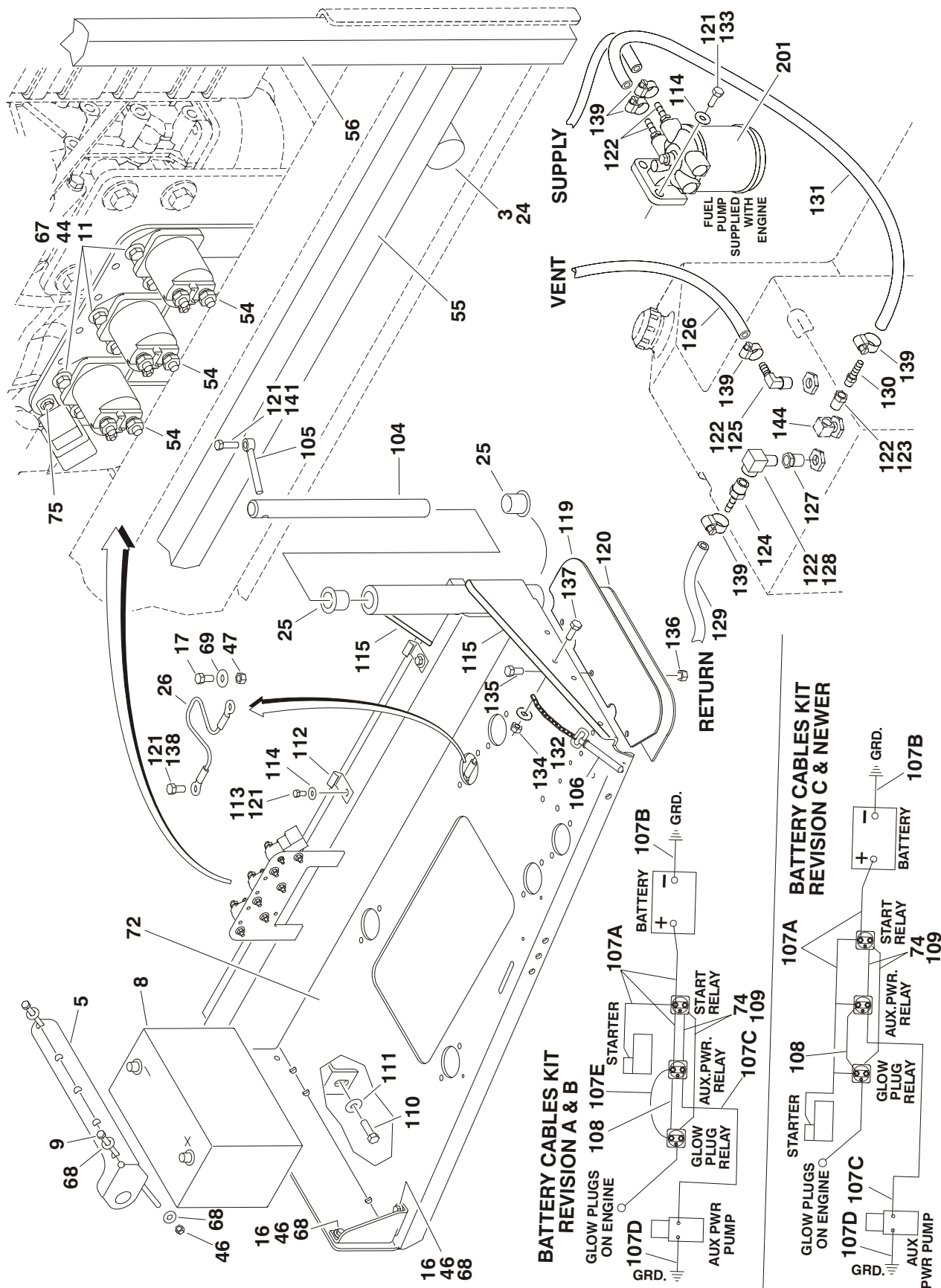
FIGURE 2-6. SWING MOTOR ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160273	Ref.	SWING MOTOR ASSEMBLY	B
1	Use 7005881	1	Seal, Dust	
2	Use 7005881	1	Ring, Split Wire	
3	Use 7005881	1	Shim, Metal Back-Up	
4	Use 7005881	1	Seal, High Pressure	
5	Use 7005881	1	Shim, Metal Back-Up	
6	Use 7005881	1	Seal, Teflon Back-Up	
7	Use 7005881	1	Seal, Shaft	
8	Use 7005881	1	Seal, Body	
9	Use 7005882	1	Carrier, Seal	
10	Use 7005882	1	Thrustwasher	
11	7016422	1	Bearing, Thrust	
12	7005889	1	Link, Drive	
13	7016423	1	Plate, Wear	
14	7005890	1	Rotor Assembly	
15	7005891	1	Pin, Drive Link	
16	Use 7016424	1	Ball	
17	Use 7016424	1	Cover, End	
18	See Note	1	Tag, I.D. (Note: Not Available for Purchase)	
19	7005892	4	Bolt	
20	7016425	1	Housing	
21	7005893	1	Plug, Cooling	
22	7016426	1	Shaft	
23 to 25	Not Used			
26			Seal Kit Options:	
26A	7005881	1	Seal Kit (Includes Items 1-8)	
26B	7005882	1	Seal Carrier Kit (Includes Items 9 & 10)	
27			Repair Kit Options:	
27A	7016424	1	End Cover Kit (Includes Items 16 & 17)	
27B	7016427	1	Housing/Shaft Kit (Includes Items 20-22)	

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FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION





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FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	CATERPILLAR ENGINE ASSEMBLY	
	0272796	Ref.	S/N 0300069000 to S/N 0300084829	F
	0274491	Ref.	S/N 0300084829 to S/N 0300087000	B
1	0080181	1	Adaptor, Pump Mounting Plate	
2	0080243	1	Adaptor, Fan Spacer	
3	0100011	A/R	Compound, Locking	
4	0100020	A/R	Sealant, Thread	
5	0181727	1	Hold-Down, Battery	
6	0340041	2	Band, Mounting	
7	0340046	2	Band, Muffler	
8	0400075	1	Battery	
9	0630498	2	Rod, Hold-Down	
10	0641406	4	Bolt 1/4in-20NC x 3/4in	
11	0641407	6	Bolt 1/4in-20NC x 7/8in	
12	0701414	4	Bolt 1/4in-20NC x 3/4in	
13	0641507	4	Bolt 5/16in-18NC x 7/8in	
14	0641608	8	Bolt 3/8-16NC x 1in	
15	0641609	4	Bolt 3/8-16NC x 1-1/8in	
16	0641610	4	Bolt 3/8-16NC x 1-1/4in	
17	0641808	1	Bolt 1/2in-13NC x 1in	
18	0641828	4	Bolt 1/2in-13NC x 2-1/2in	
19	0700808	8	Bolt, Metric M8 x 16mm	
20	0701010	8	Bolt, Metric M10 x 20mm	
21	0701012	4	Bolt, Metric M10 x 25mm	
22	0701015	8	Bolt, Metric M10 x 35mm	
23	0701214	8	Bolt, Metric M12 x 30mm	
24	0940070	1	Bumper, Rubber	
25	0961986	2	Bearing, Flange	
26	1060637	1	Lanyard	
27		4	Clamp, Hose Options: S/N 0300069000 to S/N 0300084829 S/N 0300084829 to S/N 0300087000	
28	1320012	2	Clamp, Hose	
29	8405104	A/R	Clamp, Hose Options: S/N 0300069000 to S/N 0300084829 S/N 0300084829 to S/N 0300087000	
30	1320016	3	Air Cleaner Assembly	
	1320022	2	Element, Air Cleaner	
	8405009	1	Container, Coolant Overflow	
	1340060	1	Coupling, Pump	
	7012664	2	Decal - Fan Blade	
31	1580011	1	Caterpillar Engine Assembly	
32	1660239	1	Fan	
33	1703162	1	Fitting (S/N 0300069000 to S/N 0300084829)	
34	2000194	.33ft	Hose	
35	2060025	1	Elbow, Rubber	
36	2180798	1	Hose, Radiator (Bottom)	
37	2720058	1	Hose, Radiator (Top)	
38	2720434			
39	2720509			
40	2720510			

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FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
41	3200406	4	Mount, Engine	
42	3220113	1	Muffler, Spark Arresting	
	70001017	1	Clamp	
43	3290801	4	Nut m8 x 1.25	
44	3311405	14	Locknut 1/4in-20NC	
45	3311505	4	Locknut 5/16in-18NC	
46	3311605	18	Locknut 3/8in-16NC	
47	3311801	1	Nut 1/2in-13NC	
48	3311805	4	Locknut 1/2in-13NC	
49	3539872	1	Plate, Radiator Mounting	
50	3574206	1	Plate, Motor Mount	
51	3574207	1	Plate, Engine Mount (Rear)	
52	3574208	1	Bracket, Muffler	
53	3620047	1	Radiator	
53A	7027412	1	Cap	
53B	70004182	1	Shroud, Fan	
54	3740067	3	Relay, Solenoid Assembly	
55	3960468	1	Seal, Foam Gasket	
56	3960469	1	Seal, Foam Gasket	
57	4031911	4	Bolt Metric M8 x 35mm	
58	4220191	2	Block, Spacer	
59	4360392	1	Switch, Restrictor Indicator (S/N 0300069000 to S/N 0300084829)	
60	Not Used			
61	4567073	1	Tube, Exhaust	
62	4568721	1	Exhaust Tube Weldment	
63		1	Tube, Air Intake Weldment Options:	
	4568788		S/N 0300069000 to S/N 0300084829	
	4569177		S/N 0300084829 to S/N 0300087000	
64	4640750	1	Valve, Oil Drain	
65	4711500	8	Flatwasher 5/16in Thin	
66	4740274	4	Washer, Snubbing	
67	4751400	28	Flatwasher 1/4in Regular	
68	4751600	48	Flatwasher 3/8in Regular	
69	4751800	8	Flatwasher 1/2in Regular	
70	4811900	8	Flatwasher M8	
71	4832000	8	Lockwasher M10	
72	4846790	1	Tray Engine	
73	4846805	1	Mount, Engine/Generator - Left	
74	4922737	1	Harness, Relay Ground	
75	0721006	1	Bolt #10-24NC x 3/4in	
76	2720515	1	Seal, Air Cleaner	
77	2220767	1	Fitting (S/N 0300075603 to S/N 0300087000)	

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FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	CATERPILLAR ENGINE INSTALLATIONS	
	0273520	Ref.	S/N 0300069000 to S/N 0300081836	3
	0273972	Ref.	S/N 0300081836 to S/N 0300084829	1
	0274525	Ref.	S/N 0300084829 to S/N 0300087000	1/A
101	Not Used			
102		1	Piston Pump Assembly Options:	
	3600260	1	S/N 0300069000 to S/N 0300081836 (See Figure 2-13 for Breakdown)	
	3600381	1	S/N 0300081836 to S/N 0300087000 (See Figure 2-14 for Breakdown)	
103	3600242	1	Gear Pump Assembly (See Figure 2-15 for Breakdown)	
104	3422448	1	Pin, Pivot	
105	3841143	1	Keeper, Pin	
106	3422553	1	Pin, Hitch	
107	2902296	1	Battery Cable Kit	
		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.	
107A		1	Cable, Battery (Red)	
	1001116241		Machines with 2 Relays on Engine Tray (was p/n 7027000)	
	1001116240		Machines with 3 Relays on Engine Tray (was p/n 7027000)	
107B	7027004	1	Cable, Battery (Black)	
107C	7027002	1	Cable (Red)	
107D	7027003	1	Cable (Black)	
107E	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit.)	
108	1060904	1	Cable, Battery	
109	4922737	1	Harness, Relay Ground	
110	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
111	4752000	1	Flatwasher 5/8in Regular	
112	1320223	2	J-Clip 1/2in	
113	0641606	2	Bolt 3/8in-16NC x 3/4in	
114	4711600	4	Flatwasher 3/8in Thin	
115	4060805	2ft/0.7mm	Flex-Trim 1/4in	
116	3931620	2	Bolt 3/8in-16NC x 1-1/4	
117	3790152	1	O-Ring	
118	4891600	2	Flatwasher 3/8in Hardened	
119	3380428	1	Panel, Rubber	
120	3539956	1	Plate, Support	
121	0100011	A/R	Compound, Locking	
122	0100020	A/R	Sealant, Thread	
123	2220273	1	Fitting, Reducer	
124		1	Fitting, Straight Options:	
	2180536		S/N 69000 to S/N 75351	
	2220794		S/N 75351 to S/N 87000	
125	2220313	1	Fitting, 90°	
126	2750532	6ft./1.8m	Hose 3/8in	
127	2220250	1	Fitting, Reducer	

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FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
128	2220459	1	Fitting, 90°	
129		15ft./4.6m	Hose Options:	
	2720271		S/N 0300069000 to S/N 0300075351	
	2720058		S/N 0300075351 to S/N 0300087000	
130	2220794	1	Fitting, Barbed	
131	2720058	30ft/9.1m	Hose	
132	4751400	4	Flatwasher 1/4in Regular	
133	0641608	2	Bolt 3/8in-16NC x 1in	
134	3311405	2	Locknut 1/4in-20NC	
135	0641507	3	Bolt 5/16in-18NC x 1-1/4in	
136	3311505	3	Locknut 5/16in-18NC	
137	0641407	1	Bolt 1/4in-20NC x 7/8in	
138	0641808	1	Bolt 1/2in-13NC x 1in	
139	1320022	7	Clamp, Hose	
140	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
141	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
142	0641812	2	Bolt 1/2in-18NC x 1-3/4in	
143	3960389	5ft/1.5m	Seal, Hood	
144	7019658	1	90° Fitting W/Pick-Up Tube	
	2000194	Ref.	ENGINE COMPONENTS	
201	7026830	1	Filter, Fuel	
202	7026831	1	Alternator	
203	7026814	1	Relief Valve, Oil Pressure	
	7026815		Gasket, Relief Valve	
	1001097554		Sensor, Oil Pressure (Not Shown)	
204	7026811	1	Filter, Oil	
205	7026833	1	Starter	
206	7026834	1	Dipstick Oil Level	
207	7026840	1	Sensor, Water Temperature	
	7026882	1	Seal, Sensor	
208	Use 1600361	1	Actuator, Throttle (was p/n 7026842)	
	7026835	1	Connector, Actuator	
209	7026843	1	Actuator, Linkage Kit	
210	Use 7026887	1	Mounting Bracket, Actuator (was p/n 0902910)	
211	7026839	1	Pump, Fuel Supply	
212	7026841	1	Sensor, Tach	
	7026836	1	Connector, Speed Sensor	
213		1	Pump, Water Options:	
	7026823		Caterpillar Engine S/Ns (Not Machine S/N) Prior to S/N 3440833	
	70001120		Caterpillar Engine S/Ns (Not Machine S/N) S/N 3440833 to Present	
	7026824	1	Gasket, Water Pump Cover	
	7026825	1	Gasket, Water Pump	
214	7026822	1	Thermostat	
	7026820	1	Gasket, Thermostat Housing	
	7026821	1	Gasket, Coolant	
215	70001742	1	Pulley, Water Pump	

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FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION (CONTINUED)

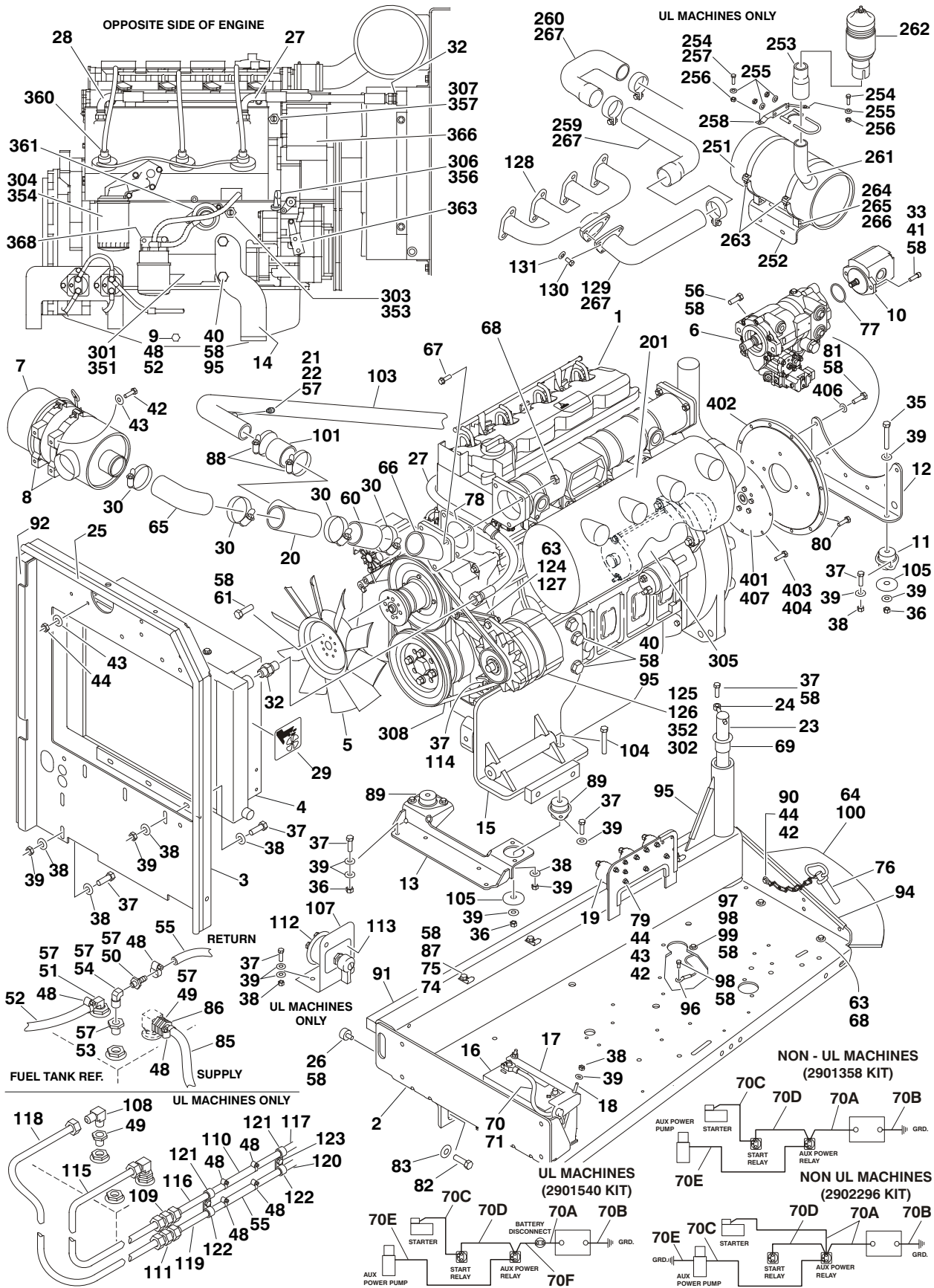
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
216	7026800	1	Cap, Filler	
217	7026801	1	Gasket, Valve Cover (Not Shown)	
218	7026802	1	Flywheel Assy (W/Gear)	
	7026803	1	Gear, Flywheel	
219	7026804	1	Gasket (Not Shown - Located Between Engine Block & Bellhousing)	
220	7026805	1	Seal, Rear Main (Not Shown - Located on Rear of Engine Block)	
221	7026806	1	Cap, Filler	
222	7026807	1	Seal, Front Main (Not Shown - Located on Front of Engine Block)	
223	7026809	1	Gasket, Oil Pan (Not Shown)	
224	7026810	1	Belt	
225	7026813	1	Seal, Oil Filter Head (Between Oil Filter Head & Engine Block)	
	7026812	1	Seal, Oil Filter Head Bolt	
226	7026819	1	Cooler, Oil (Not Shown)	
	7026816	2	O-Ring (Not Shown - Located Between Oil Cooler & Cover)	
	7026817	4	O-Ring (Not Shown - Located Between Oil Cooler & Cover)	
	7026818	1	Gasket (Not Shown - Located Between Oil Cooler Cover & Engine Block)	
227	7026826	1	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
228	7026827	1	Gasket, Exhaust Manifold to Exhaust Pipe	
229	7026829	1	Gasket, Intake Manifold to Engine Block	
	7026828	1	Gasket, Intake Manifold to Air Intake Tube	
230	7026832	4	Plug, Glow	
231	7026845	1	Block Heater Kit (Not Shown)	
	7026838	1	Gasket, Block Heater (Not Shown)	

FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)



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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ENGINE ASSEMBLY & INSTALLATIONS	
	0270850	Ref.	Engine Assembly & Installation (Non UL)	11/J
	0273851	Ref.	Engine Assembly & Installation (UL)	1/A
1		1	Engine - Deutz F4M1011F Diesel	
	2000189		Non UL Machines	
	2000146		UL Machines	
2	4845404	1	Tray Engine	
3		1	Plate, Radiator Mounting Options:	
	3539872		Non UL Machines	
	3571421		UL Machines	
4	3620033	1	Cooler, Oil	
5	2060025	1	Fan	
6	3600260	1	Piston Pump Assembly (See Figure 2-13 for Breakdown)	
7		1	Air Cleaner Assembly Options:	
	1340060		Non UL Machines	
7A	7012664	1	Element	
	1340050		UL Machines	
7A	7010638	1	Element	
8	0340041	2	Band, Mounting	
9	4640751	1	Valve, Oil Drain	
10	3600242	1	Gear Pump Assembly (See Figure 2-15 for Breakdown)	
11	3200378	2	Mount, Rubber Engine (Rear)	
12	3537420	1	Bracket, Engine Mounting - Rear	
13	3539971	1	Bracket, Engine Mounting - Front	
14	3537416	1	Support, Engine - Right	
15		1	Support, Engine - Left Options:	
	4846566		Non UL Machines	
	3537417		UL Machines	
16	0400075	1	Battery	
17	0181727	1	Hold-Down, Battery	
18	0630498	2	Rod, Hold-Down	
19	3740067	2	Relay	
20	Not Used			
21	4360392	1	Switch, Restrictor Indicator	
22	2180798	1	Fitting	
23	3422448	1	Pin, Pivot	
24	3841143	1	Keeper, Pin	
25	3960389	5ft/1.5m	Seal	
26	0940070	1	Bumper, Rubber	
27	2720398	1	Hose, Oil Cooler - Left	
28	2720398	1	Hose, Oil Cooler - Right	
29	1703162	2	Nameplate - Fan Caution	
30	1320016	4	Clamp, Hose	
31	Not Used			
32	2220451	2	Fitting, Straight	
33	3931620	2	Capscrew, Socket Head 3/8in-16NC x 1-1/4in	
34	Not Used			
35	0641818	2	Bolt 1/2in-13NC x 2-1/4in	

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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
36	3311805	4	Locknut 1/2in-13NC	
37	0641610	A/R	Bolt 3/8in-16NC x 1-1/4in	
38	3311605	A/R	Locknut 3/8in-16NC	
39	4751600	A/R	Flatwasher 3/8in Regular	
40	0701414	A/R	Bolt 1/4in-20NC x 3/4in	
41	4891600	2	Flatwasher 3/8in Hardened	
42	0641407	A/R	Bolt 1/4in-20NC x 7/8in	
43	4751400	A/R	Flatwasher 1/4in Regular	
44	3311405	A/R	Locknut 1/4in-20NC	
45 to 47	Not Used			
48	1320022	6	Clamp, Hose	
49	2220273	2	Fitting, Reducer	
50	2180536	1	Fitting, Straight	
51	2220313	1	Fitting, 90°	
52	2750532	6ft./1.83m	Hose 3/8in	
53	2220250	1	Fitting, Reducer	
54	2220459	1	Fitting, 90°	
55	2720271	15ft./4.6m	Hose 3/16in	
56	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
57	0100020	A/R	Sealant, Thread	
58	0100011	A/R	Compound, Locking	
59	Not Used			
60	2720449	A/R	Coupling, Rubber Intake	
61	0700808	4	Bolt M8 x 16mm	
62	Not Used			
63		A/R	Bolt Options:	
	0641507	3	Bolt 5/16in-18NC x 7/8in (Non UL Machines)	
	0641508	4	Bolt 5/16in-18NC x 1in (UL Machines)	
64	3380428	1	Panel, Rubber	
65	2720434	1	Elbow, Rubber	
66	4845395	1	Air Intake Adapter Weldment	
67	0641510	3	Bolt 5/16in-18NC x 1-1/4in	
68	3311505	7	Locknut 5/16in-18NC	
69	0961986	2	Bushing, Flanged	
70	2901358	1	Battery Cable Kit (Non UL Machines) (S/N 0300069000 to S/N 0300074733)	
	2902296	1	Battery Cable Kit (Non UL Machines) (S/N 0300074733 to S/N 0300077490)	
		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.	
70A	2901540	1	Battery Cable Kit (UL Machines)	
	7016800	1	Cable, Battery (Red) (p/n kit 2901358)	
	1001116241	1	Cable, Battery (Red) (Machines with 2 Relays on Engine Tray) (was p/n 7027000) (p/n kit 2902296)	
	1001116240	1	Cable, Battery (Red) (Machines with 3 Relays on Engine Tray) (was p/n 7027000) (p/n kit 2902296)	
	7016826	1	Cable, Battery (Red) (p/n kit 2901540)	

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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
70B	7016812	1	Cable, Battery (Black) (p/n kit 2901358)	
	7027004	1	Cable, Battery (Black) (p/n kit 2902296)	
	7016812	1	Cable, Battery (Black) (p/n kit 2901540)	
70C	7016802	1	Cable (Red) (p/n kit 2901358)	
	7027002	1	Cable (Red) (p/n kit 2902296)	
	7016845	1	Cable (Red) (p/n kit 2901540)	
70D	7016803	1	Cable (Red) (p/n kit 2901358)	
	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit.)	
	7016815	1	Cable (Red) (p/n kit 2901540)	
70E	7016824	1	Cable (Red) (p/n kit 2901358)	
	7027003	1	Cable (Black) (p/n kit 2902296)	
	7016816	1	Cable (Red) (p/n kit 2901540)	
70F	Not Required		(p/n kit 2901358/p/n kit 2902296)	
	7016827	1	Cable (Red) (p/n kit 2901540)	
71	4460611	1	Terminal, Battery Jumper Post (S/N 0300069000 to S/N 0300074733)	
72	4360294	1	Breaker, Circuit 30A Self Resetting	
73	1320222	1	J-Clip 3/8in	
74	1320223	4	J-Clip 1/2in	
75	0641606	3	Bolt 3/8in-16NC x 3/4in	
76		1	Pin, Hitch Options;in	
	3422532		Standard Machines	
	3422533		UL Machines	
77	3790152	1	O-Ring	
78	3960407	1	Gasket	
79	4791400	4	Starwasher 1/4in	
80	0701012	4	Bolt M10 x 25mm	
81	0701015	4	Bolt M10 x 35mm	
82	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
83	4752000	1	Flatwasher 5/8in Regular	
84	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
85	2720058	16ft/4.9m	Hose	
86	2220794	1	Fitting, Barbed	
87	4711600	3	Flatwasher 3/8in Thin	
88	Not Used			
89	3200362	2	Mount, Rubber Engine (Front)	
90	4711400	1	Flatwasher 1/4in Thin	
91	3960468	1	Seal, Foam Gasket	
92	3960469	1	Seal, Foam Gasket	
93	Not Used			
94	4060805	2.9ft/0.88m	Flex-Trim 1/4in	
95	Not Used			
96	4751800	2	Flatwasher 1/2in Regular	
97	1060637	1	Lanyard	
98	0641808	2	Bolt 1/2in-13NC x 1in	
99	3311801	1	Nut 1/2in-13NC	
100	3539956	1	Plate, Support	
101 to 102	Not Used			

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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
103	4567815	1	Tuning Tube Weldment Options:	
	4845080		Non UL Machines	
104	0641826	2	UL Machines	
105	4740274	4	Bolt 1/2in-13NC x 3-1/4in	
106	Not Used		Washer, Snubbing	
107	3570238	1	Plate, Switch Mounting (UL Machines Only)	
108	2180703	1	Fitting, 90° (UL Machines Only)	
109	2221023	1	Fitting, Union (UL Machines Only)	
110	2720058	1.66ft/0.6m	Hose (UL Machines Only)	
111	2221028	1	Fitting, Union (UL Machines Only)	
112	4360256	1	Switch, Battery Disconnect (UL Machines Only)	
113	1703476	1	Decal, Battery Disconnect (UL Machines Only)	
114	4567576	1	Spacer, Tube (UL Machines Only)	
115	4567213	1	Tubing, Fuel (UL Machines Only)	
116	4567214	1	Tubing, Fuel (UL Machines Only)	
117	4567574	1	Tubing, Fuel (UL Machines Only)	
118	4567571	1	Tubing, Fuel (UL Machines Only)	
119	4567572	1	Tubing, Fuel (UL Machines Only)	
120	4567573	1	Tubing, Fuel (UL Machines Only)	
121	1320245	5	Clamp (UL Machines Only)	
122	1320244	5	Clamp (UL Machines Only)	
123	3931408	5	Bolt 1/4in-20NC x 1/2in (UL Machines Only)	
124	0902417	1	Bracket, Alternator (UL Machines Only)	
125	0160020	1	Alternator (UL) 72 Amp (UL Machines Only)	
126	3580259	1	Pulley, Alternator (UL Machines Only)	
127	4751500	1	Flatwasher 5/16in Regular (UL Machines Only)	
128	3100076	1	Manifold, Exhaust (UL Machines Only)	
129	4567428	1	Weldment, Exhaust Tube (UL Machines Only)	
130	0700812	3	Bolt 8mm x 25mm (UL Machines Only)	
131	4831900	3	Lockwasher M8 (UL Machines Only)	
132	7019658	1	90° Fitting W/Pick-Up Tube	
		Ref.	MUFFLER INSTALLATIONS (NON UL MACHINES)	
	0256689	Ref.	Standard Equipment (Spark Arresting)	—
	0256690	Ref.	Optional Equipment (Catalytic)	—
201		1	Muffler Options:	
	3220103		Spark Arresting	
	3220104		Catalytic	
		1	Clamp Options:	
	1320176		Muffler p/n 3220103	
	70001017		Muffler p/n 3220104	
	7024398	1	Tube, Exhaust	
	7024560	1	Plug, Brass	

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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258569	Ref.	MUFFLER INSTALLATION (UL MACHINES)	1
251	3220113	1	Muffler, Spark Arrestor	
	70001017	1	Clamp	
252	3570754	1	Plate, Muffler Mount	
253	4845668	1	Weldment, Exhaust Tube	
254	3900232	5	Bolt, Button Head 3/8in-16NC x 1-1/4in	
255	4751600	5	Flatwasher 3/8in Regular	
256	3311601	5	Nut 3/8in-16NC	
257	0100011	A/R	Compound, Locking	
258	0902473	1	Bracket	
259	4567429	1	Tube, Exhaust	
260	4567430	1	Tube, Exhaust	
261	4567431	1	Tube, Exhaust	
262	3220111	1	Spark Arrestor	
263	0340046	2	Band, Muffler	
264	0641507	4	Bolt 5/16in-18NC x 7/8in	
265	4711500	8	Flatwasher 5/16in Thin	
266	3311505	4	Locknut 5/16in-18NC	
267	4100025	3.5ft/1.06m	Sleeve	
	2000146	Ref.	ENGINE COMPONENTS (UL MACHINES)	
301	8320270	1	Filter, Fuel (was p/n 7016639)	
302	7000663	1	Alternator (was p/ns 7016329, 7020436 & 7020410)	
303	7016330	1	Switch, Oil Pressure	
304	7016331	1	Filter, Oil (was p/n 7016641)	
305	7016332	1	Starter	
306	7026631	1	Dipstick, Engine Oil (was p/ns 7019664 & 7016640)	
	70001002	1	Tube, Oil Dipstick (was p/n 7019664)	
307	7020025	1	Switch, Engine Temperature	
308	7020414	1	V-Belt	
309		1	Gasket, Cylinder Head Options (Not Shown):	
	70001681		1 Notch	
	70002411		2 Notches	
	70002530		3 Notches	
	7020431	1	Gasket, Valve Cover (Not Shown)	
310	7000699	1	Seal (Doughnut)	
	See Note	8	Nut, Muffler Attaching (Note: Not Available for Purchase)	
311	7019607	1	Shutdown, Throttle (was p/n 7016359) (Not Shown)	
312	7012599	4	Pump, Fuel Injection (Not Shown)	
	7020427	4	Injector, Fuel (Not Shown)	
	7020425	4	Nozzle (Not Shown)	
313	7020463	1	Pump, Fuel Supply	
	7020419	1	Hose, Fuel Return	
314	7020027	1	Flywheel/Ring Gear Assembly (Not Shown)	
	7020477	1	Ring Gear Only (Not Shown)	
315	7020404	1	Washer, Oil Drain Plug (Not Shown)	
316	7027250	1	Spring, Actuator (Not Shown)	

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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2000189	Ref.	ENGINE COMPONENTS (NON UL MACHINES)	
351	8320270	1	Filter, Fuel (was p/n 7016328)	
352	7000663	1	Alternator (was p/n 7020410)	
	7020464	1	Regulator	
	70003556	1	Pulley, Alternator	
	70002234	1	Bracket, Adjustable	
353	7020461	1	Switch, Oil Pressure	
354	7016331	1	Filter, Oil	
355	7020479	1	Starter	
	See Note	1	Relay (Note: Not Available for Purchase)	
	7026608	2	Bolt, Starter Mounting	
	70001498	1	Shield, Starter Heat (Not Shown)	
356	7026631	1	Dipstick Oil Level	
	7020487	1	Seal, Dipstick (Not Shown)	
	70001002		Tube, Dipstick	
357	7020168	1	Switch, Engine Temperature	
	7020480	1	Seal, Temp Switch	
358	7020408	1	V-Belt	
359	Not Used			
360	7020462	4	Fuel Injection Pump	
	7026522	4	Injector, Fuel (Includes Nozzle Element) (Not Shown)	
361	7020463	1	Fuel Pump Supply (was p/n 7024413)	
	7020411	1	Seal, Pump to Block (Not Shown)	
362	7020465	2	Cap, Oil Fill (Not Shown - Located on Top and Left Sides)	
363	7020474	1	Pump, Oil Lube	
	7020468	1	Ring, Pump Sealing	
364	7020449	4	Gasket, Intake Manifold to Engine Block (Not Shown)	
365	Use 7024565	1	Sensor, Tach (Not Shown - Located on Flywheel Housing) (was p/n 7020481)	
366	7020458	1	Actuator	
	7026607	1	Spring, Actuator (was p/n 7027276)	
367	7020471	4	Gasket, Exhaust Manifold to Engine Block	
368	70001423	1	Head, Fuel Filter	
369		1	Gasket, Head Options (Not Shown):	
	70001681		1 Notch Gasket	
	70002411		2 Notch Gasket	
	70002530		3 Notches	
370	See Note	1	Flywheel (Not Shown) (Note: Not Available for Purchase)	
	7024579		Ring Gear (Not Shown)	
	0256847	Ref.	PUMP COUPLING INSTALLATION	—
401	1660234	1	Coupling, Hayes	
402	0080163	1	Plate, Pump Adapter	
403	0700810	6	Bolt Metric M8 x 20mm	
404	4831900	6	Lockwasher M8	
405	Not Used			
406	4832000	8	Lockwasher M10	
407	3020021	A/R	Grease, Coupling	

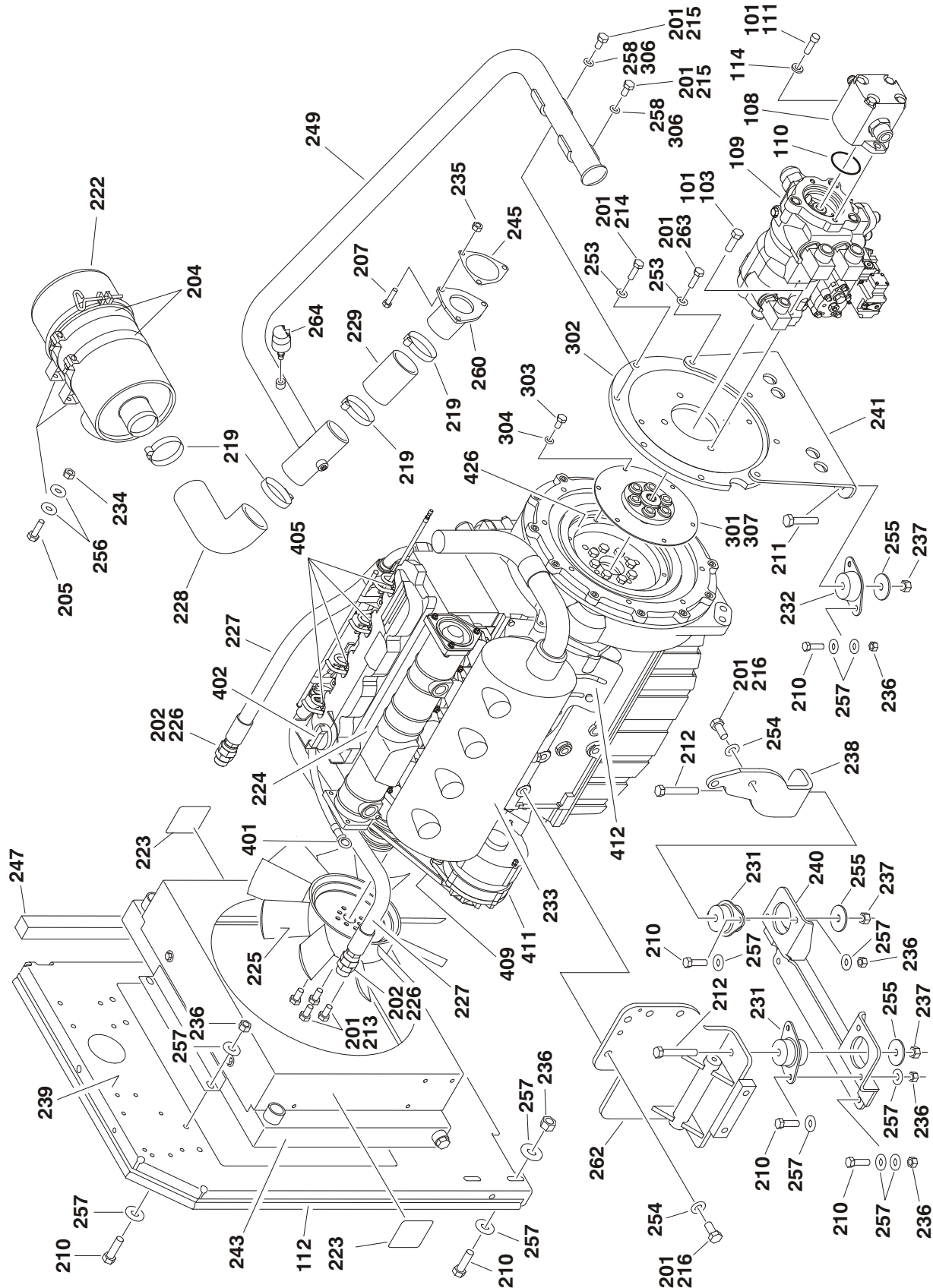
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FIGURE 2-8. DEUTZ ENGINE INSTALLATION (S/N 0300069000 TO S/N 0300077490)

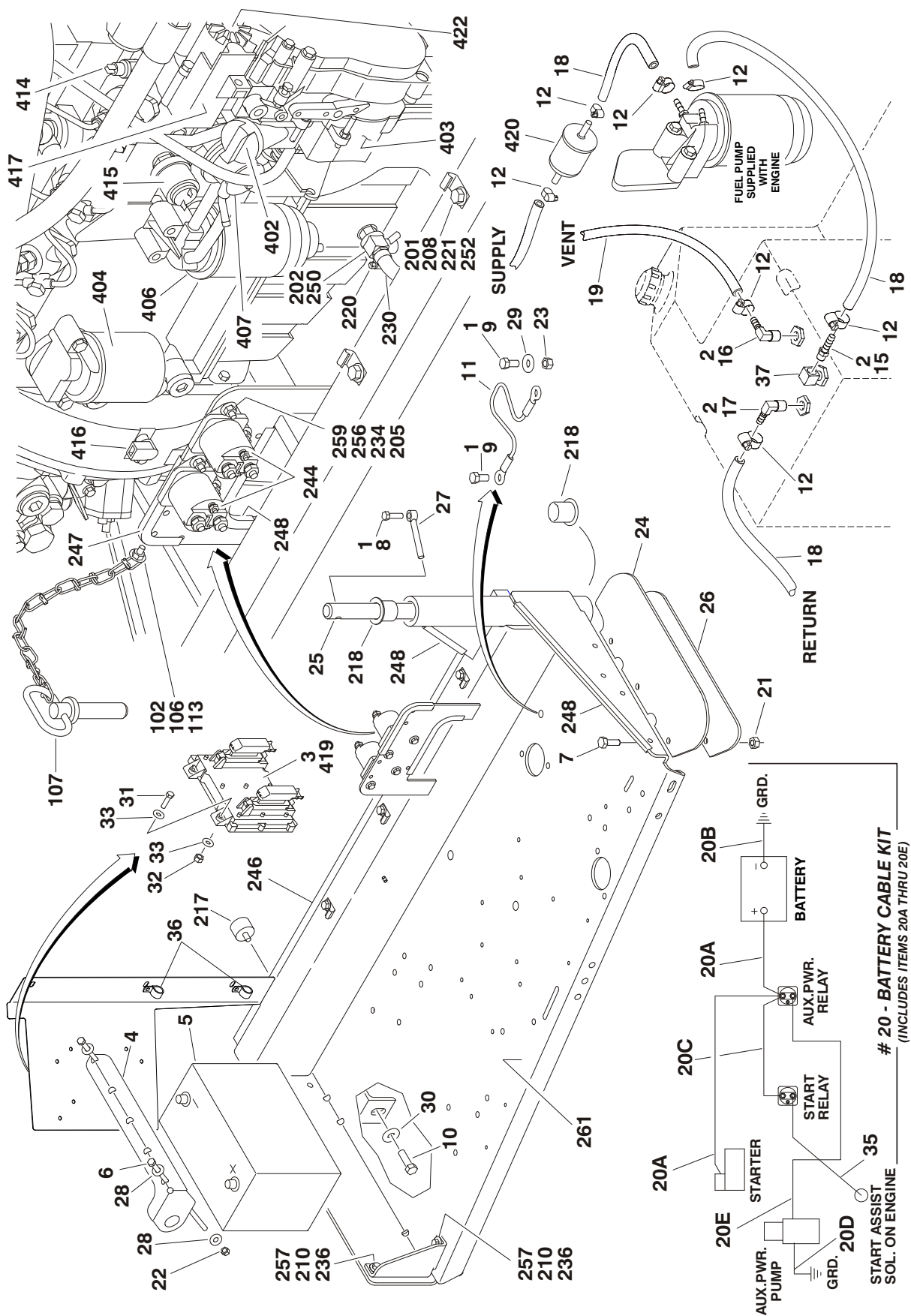
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION (S/N 0300077490 TO S/N 0300087000)



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FIGURE 2-9. DEUTZ ENGINE INSTALLATION (S/N 0300077490 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DEUTZ ENGINE INSTALLATIONS	
	0273685	Ref.	S/N 0300077490 to S/N 0300081836	3/A
	0273970	Ref.	S/N 0300081836 to S/N 0300087000	3/B
	0274299	Ref.	S/N 0300081836 to S/N 0300087000	C
1	0100011	A/R	Compound, Locking	
2	0100020	A/R	Sealant, Pipe	
3	0100048	A/R	Grease, Dielectric	
4	0181727	1	Hold-down, Battery	
5	0400075	1	Battery	
6	0630498	2	Bolt, Battery Hold-down	
7	0641507	3	Bolt 5/16in-18NC x 7/8in	
8	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
9	0641808	2	Bolt 1/2in-13NC x 1in	
10	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
11	1060637	1	Cable, Lanyard	
12	1320022	A/R	Clamp, Hose	
13	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
14	Not Used			
15	2180348	1	Fitting, Straight Barbed	
16	2220313	1	Fitting, 90°	
17	2221176	1	Fitting, Straight Barbed	
18	2720058	30ft/9.2m	Hose	
19	2750532	6ft/1.8m	Hose	
20	2902296	1	Battery Cable Kit	B
		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.	
20A	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)	
20B	7027004	1	Cable, Battery (Black)	
20C	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit.)	
20D	7027003	1	Cable (Black)	
20E	7027002	1	Cable (Red)	
21	3311505	10	Locknut 5/16in-18NC	
22	3311605	2	Locknut 3/8in-16NC	
23	3311801	1	Nut 1/2in-13NC	
24	3380428	1	Panel, Rubber	
25	3422448	1	Pin, Pivot	
26	3539956	1	Plate, Support	
27	3841143	1	Pin, Keeper	
28	4751600	4	Flatwasher 3/8in Regular	
29	4751800	1	Flatwasher 1/2in Regular	
30	4752000	1	Flatwasher 5/8in Regular	
32	0641409	4	Bolt 1/4in-20NC x 1-1/8in (S/N 0300084829 to S/N 0300087000)	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION (S/N 0300077490 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
33	3311405	4	Locknut 1/4in-20NC (S/N 0300084829 to S/N 0300087000)	
34	4711400	8	Flatwasher 1/4in Thin (S/N 0300084829 to S/N 0300087000)	
35	4922978	1	Harness, Start Assist Solenoid (See Section for 7 for Break-down) (S/N 0300077490 to S/N 0300084829)	
36	85941017	2	Clamp (Not Shown - Located on Turntable) (S/N 0300084829 to S/N 0300087000)	
37	7019658	1	90° Fitting W/Pick-Up Tube	
		Ref.	ENGINE AND PUMP ASSEMBLIES:	
	2000224	Ref.	S/N 0300077490 to S/N 0300081836	C
	2000221	Ref.	S/N 0300081836 to S/N 0300084829	D
	2000280	Ref.	S/N 0300084829 to S/N 0300087000	B
101	0100011	A/R	Compound, Locking	
102	0641407	1	Bolt 1/4in-20NC x 7/8in	
103	0641812	2	Bolt 1/2in-13NC x 1-1/2in	
104	Not Used			
105	3020016	3.75gal	Oil, Motor (Not Shown)	
106	3311405	1	Locknut 1/4in-20NC	
107	3422532	1	Pin, Hitch	
108	3600395	1	Gear Pump Assembly with Fittings (See Figure 2-15 for Break-down)	
109		1	Piston Pump Assembly with Fittings Options:	
	3600397		S/N 0300077490 to S/N 0300081836 (See Figure 2-13 for Breakdown)	
	3600396		S/N 0300081836 to S/N 0300087000 (See Figure 2-14 for Breakdown)	
110	3790152	1	O-Ring	
111	3931620	2	Capscrew 3/8in-16NC x 1-1/4in	
112	3960389	5ft/1.5m	Seal	
113	4751400	1	Flatwasher 1/4in Regular	
114	4891600	2	Flatwasher 3/8in Hardened	
		Ref.	ENGINE AND PUMP ASSEMBLIES OPTIONS:	
	2000219	Ref.	S/N 0300077490 to S/N 0300084829	F
	2000279	Ref.	S/N 0300084829 to S/N 0300087000	C
	0256689	Ref.	MUFFLER INSTALLATION - SPARK ARRESTING (STANDARD)	—
	0256690	Ref.	MUFFLER INSTALLATION - CATALYTIC (OPTIONAL)	—
201	0100011	A/R	Compound, Locking	
202	0100020	A/R	Sealant, Pipe	
203	Not Used			
204	0340041	2	Band, Air Cleaner	
205	0641407	8	Bolt 1/4in-20NC x 7/8in	
206	Not Used			
207	0641510	3	Bolt 5/16in-18NC x 1-1/4in	
208	0641606	3	Bolt 3/8in-16NC x 3/4in	
209	Not Used			
210	0641610	20	Bolt 3/8in-16NC x 1-1/4in	
211	0641818	2	Bolt 1/2in-13NC x 2-1/4in	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION (S/N 0300077490 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
212	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
213	0700808	4	Bolt M8 x 16mm	
214	0701012	2	Bolt M10 x 25mm	
215	0701015	2	Bolt M10 x 35mm	
216	0701414	6	Bolt M14 x 130mm	
217	0940070	1	Bumper	
218	0961986	2	Bushing, Flanged	
219	1320016	4	Clamp	
220	1320022	1	Clamp, Hose	
221	1320223	3	J-Clip	
222	1340060	1	Air Cleaner Assembly Including Filter Element	
	7012664	1	Element, Filter (Not Shown)	
223	1703162	2	Decal - Caution Fan Blade	
224		1	Engine, Deutz - F4M2011 Tier II Options:	
	2000216		S/N 0300077490 to S/N 0300084829	
	2000274		S/N 0300084829 to S/N 0300087000	
225	2060025	1	Fan	
226	2220451	2	Fitting, Straight	
227	2720398	2	Hose, Oil Cooler	
228	2720434	1	Elbow, Rubber	
229	2720449	1	Hose, Air Cleaner	
230	2750532	1ft/30cm	Hose, Oil Drain	
231	3200362	2	Mount, Motor	
232	3200406	2	Mount, Motor	
233		1	Muffler Options:	
	3220103		Spark Arresting (Standard)	
	3220104		Catalytic (Optional)	
		1	Clamp Options:	
	1320176		Muffler p/n 3220103	
	70001017		Muffler p/n 3220104	
	7024398	1	Tube, Exhaust	
	7024560	1	Plug, Brass	
234	3311405	8	Locknut 1/4in-20NC	
235	3311505	3	Locknut 5/16in-18NC	
236	3311605	A/R	Locknut 3/8in-16NC	
237	3311805	4	Locknut 1/2in-13NC	
238	3537416	1	Plate, Engine Mounting (Front Right Side)	
239	3539872	1	Plate, Radiator Mounting	
240	3539971	1	Plate, Engine Mounting (Front Bottom)	
241	3534978	1	Plate, Engine Mounting (Rear)	
242	Not Used			
243	3620033	1	Radiator	
244	3740067	2	Relay	
245	3960407	1	Gasket, Air Intake	
246	3960468	1	Seal	
247	3960369	1	Seal	
248	4060805	37in/1m	Flex-Trim	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION (S/N 0300077490 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
249		1	Tube, Tuning Options:	
	4567815	1	S/N 0300077490 to S/N 0300084829	
	4569171	1	S/N 0300084829 to S/N 0300087000	
250	4640751	1	Valve, Oil Drain	
251	Not Used			
252	4711600	3	Flatwasher 3/8in Thin	
253	4711700	6	Flatwasher 7/16in Thin (S/N 0300084829 to S/N 0300087000)	
254	4711900	6	Flatwasher 9/16in Thin	
255	4740274	4	Washer, Snubbing	
256	4751400	A/R	Flatwasher 1/4in Regular	
257	4751600	40	Flatwasher 3/8in Regular	
258	4751700	2	Flatwasher 7/16in Regular (S/N 0300084829 to S/N 0300087000)	
259	4791400	4	Starwasher 1/4in	
260	4845395	1	Adapter, Air Intake	
261	4845404	1	Tray, Engine	
262	4846566	1	Plate, Engine Mounting (Front Left Side)	
263	0701014	4	Bolt M10 x 30mm (S/N 0300084829 to S/N 0300087000)	
264	4360392	1	Indicator, Restriction (S/N 0300077490 to S/N 0300084829)	
	2180798	1	Fitting	
	0256847	Ref.	PUMP COUPLING INSTALLATION	2
301	1660234	1	Coupling, Hayes	
302	0080163	1	Plate, Pump Adapter	
303	0700810	63	Bolt Metric M8 x 20mm	
304	4831900	6	Lockwasher M8	
305	Not Used			
306	4832000	8	Lockwasher M10 (S/N 0300077490 to S/N 0300084829)	
307	3020021	A/R	Grease, Coupling	
		Ref.	ENGINE COMPONENTS	
	2000216	Ref.	S/N 0300077490 to S/N 0300084829	C
	2000274	Ref.	S/N 0300084829 to S/N 0300087000	A
401	7026631	1	Dipstick	
	7020487	1	O-Ring, Dipstick	
402	7020465	1	Cap, Filler	
403	70001850	1	Pump, Oil Lube (was p/ns 7020484 & 70000045)	
	7020468	1	Seal Between Oil Pump & Engine Block (Not Shown)	
404	7016331	1	Filter, Oil (was p/n 7016641)	
405		4	Pump, Injector Options:	
	7027246		Series A Injector	
	7027608		Series B Injector	
	7027609		Series C Injector	
	7027610		Series D Injector	
	7020447	4	Gasket (1 Per Injector)	
406	8320270	1	Filter, Fuel (was p/n 7016328)	
407	70000916	1	Pump, Fuel Supply (was p/n 7027238)	
	7020411	1	O-Seal Between Fuel Pump & Engine Block (Not Shown)	

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FIGURE 2-9. DEUTZ ENGINE INSTALLATION (S/N 0300077490 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
408	7020449	4	Gasket, Intake Manifold (Not Shown)	
409	7020408	1	V-Belt	
410	7020471	4	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
	See Note	1	Gasket, Exhaust Manifold to Exhaust Pipe (Not Shown) (Note: Not Available for Purchase)	
	70002200	8	Stud, Muffler Attaching	
411	7000663	1	Alternator (was p/n 7020410)	
	7020464		Regulator, Voltage (Not Shown)	
	70002234	1	Bracket, Adjusting (Not Shown)	
412	7020479	1	Starter	
	7026608	1	Solenoid	
	70001498	1	Shield, Starter Heat	
413	See Note	2	Plug- In Connector (Not Shown) (Note: Not Available for Purchase)	
414	7027241	1	Transmitter, Temperature (Used on p/n 2000216)	
	7027791	1	Transmitter, Temperature (Used on p/n 2000274)	
	See Note	1	Ring, Sealing (Note: Not Available for Purchase)	
415	7020461	1	Sensor, Oil Pressure (Used on p/n 2000216)	
	7027790	1	Sensor, Oil Pressure (Used on p/n 2000274)	
416	7024565	1	Sensor, Speed	
417	7020458	1	Actuator, Throttle (Used on p/n 2000216)	
	7027792	1	Actuator, Throttle (Used on p/n 2000274)	
	7026607	2	Spring, Actuator (was p/n 7027276)	
418	7027236	1	Sensor, Temperature (Not Shown)	
419	7027795	1	Deutz EMR2 Controller, Module (S/N 0300084829 to S/N 0300087000)	
	7027796	1	Harness. EMR2 Module (S/N 0300084829 to S/N 0300087000)	
420	7027245	1	Filter, Fuel In-line (2000216 Engine Only)	
421	70000800	1	Timing Belt/Idler Kit Options (Used on p/n 2000216) (Not Shown):	
422	7027239	1	Solenoid, Throttle	
423	See Note	1	Gasket, Valve Cover (Not Shown) (Note: Not Available for Purchase)	
424		1	Gasket, Cylinder Head Options (Not Shown):	
	See Note		2000216 Engines (Note: Not Available for Purchase)	
			2000274 Engines:	
	70003001		1 Notch	
	70003002		2 Notches	
	70003003		3 Notches	
425		1	Harness. Engine Options (Not Shown):	
	See Note		S/N 0300077490 to S/N 0300084829 (Note: Not Available for Purchase)	
	7027794		S/N 0300084829 to S/N 0300087000	
	7027793	1	Plug, Connector	
426	70000264	1	Flywheel	
	7024579	1	Ring Gear	
427	7020459	1	Thermostat (Located at rear of engine block - Not Shown)	
	7020460	1	Spring, Compression (Not Shown)	

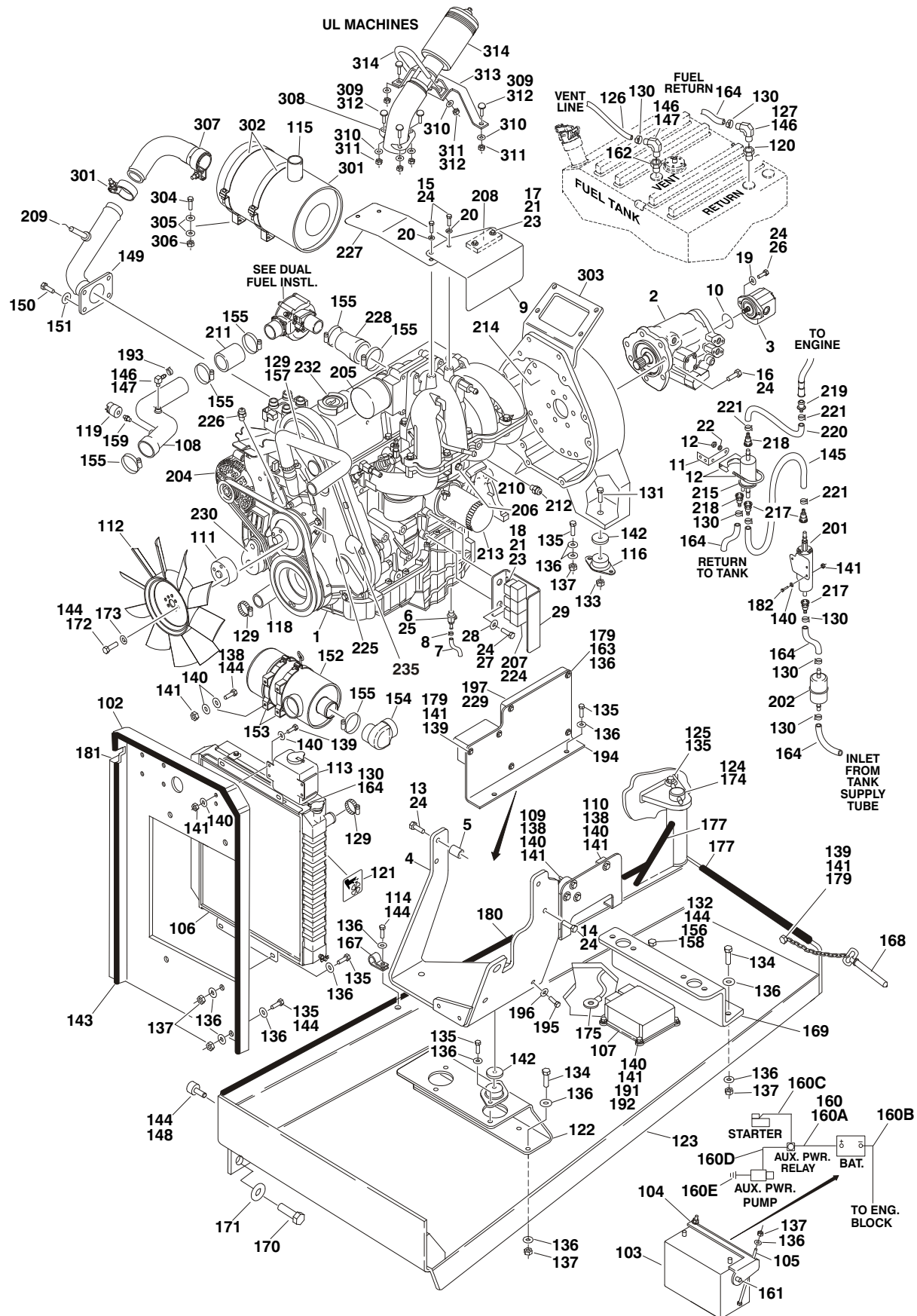
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FIGURE 2-9. DEUTZ ENGINE INSTALLATION (S/N 0300077490 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)



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FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ENGINE ASSEMBLIES	
	0270849	Ref.	Standard Gas Machines (S/N 0300069000 to S/N 0300073339)	3/B
	0270847	Ref.	Dual Fuel Machines (S/N 0300069000 to S/N 0300073339)	5/D
	0272899	Ref.	Dual Fuel Machines (S/N 0300073339 to S/N 0300079888)	2/B
1		1	Engine - Ford LRG-425 Options:	
	2000172		Standard Gas Machines	
	2000182		Dual Fuel Machines (S/N 0300069000 to S/N 0300073339)	
	2000196		Dual Fuel Machines (S/N 0300073339 to S/N 0300087000)	
2	3600260	1	Piston Pump Assembly (See Figure 2-13 for Breakdown)	
3	3600242	1	Gear Pump Assembly (See Figure 2-15 for Breakdown)	
4		1	Plate, Engine Mounting - Front Options:	
	3539972		S/N 0300069000 to S/N 0300073339	
	4846806		S/N 0300073339 to S/N 0300079888	
5	4566605	1	Tube, Spacer	
6	4640989	1	Valve, Oil Drain	
7	2750532	1ft/30.5cm	Hose	
8	1320022	1	Clamp	
9	3572307	1	Plate, Module Mounting (S/N 0300069000 to S/N 0300073339)	
10	3790152	1	O-Ring	
11	0902539	1	Bracket, Fuel Filter/Pressure Regulator	
12	1320019	1	Clamp, Exhaust	
13	0701022	2	Bolt M10 x 70mm	
14	0701014	2	Bolt M10 x 30mm	
15	0700810	2	Bolt M8 x 20mm (S/N 0300069000 to S/N 0300073339)	
16	0641812	2	Bolt 1/2in-13NC x 1-1/2in	
17	0721010	2	Bolt #10-24NC x 1-1/4in (S/N 0300069000 to S/N 0300073339)	
18	0721006	3	Bolt #10-24NC x 3/4in (S/N 0300069000 to S/N 0300073339)	
19	4891600	2	Flatwasher 3/8in Hardened	
20	4751500	2	Flatwasher 5/16in Regular (S/N 0300069000 to S/N 0300073339)	
21	4751000	A/R	Flatwasher #10 Regular (S/N 0300069000 to S/N 0300073339)	
22	4761500	2	Lockwasher 5/16in	
23	3311005	A/R	Locknut #10-24NC (S/N 0300069000 to S/N 0300073339)	
24	0100011	A/R	Compound, Locking	
25	0100020	A/R	Sealant	
26	3931620	2	Screw 3/8in-16NC x 1-1/4in	
27	0701010	2	Bolt M10 x 20mm	
28	4832000	2	Flatwasher M10	
29	3572308	1	Plate, Relay Mount	
		Ref.	ENGINE INSTALLATIONS	
	0270848	Ref.	Standard Gas Machines (S/N 0300069000 to S/N 0300073339)	6/E
	0270846	Ref.	Dual Fuel Machines (S/N 0300069000 to S/N 0300073339)	5/E
	0272898	Ref.	Dual Fuel Machines (S/N 0300073339 to S/N 0300079888)	4/D
101	Not Used			
102	3539872	1	Mount, Radiator	

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**FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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	
107	1600314	1	Controller, ECM (S/N 0300069000 to S/N 0300073339)	
108		1	Tube, Air Intake Options:	
	4846248		Standard Gas Machines	
	4846236		Dual Fuel Machines	
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	8	Bolt 3/8in-16NC x 3/4in	
115	3539988	1	Plate, Baffle (Not Shown)	
116	3200362	4	Mount, Rubber	
117	4100025	1.5ft/0.5m	Sleeve	
118	2720435	1	Hose, Radiator - Bottom	
119	4360392	1	Indicator, Clogged Filter	
120	2220430	1	Fitting, Reducer	
121	1703162	2	Decal - Fan Blade	
122		1	Plate, Engine Mount (Front) Options:	
	3572279		S/N 0300069000 to S/N 0300073339	
	3574504		S/N 0300073339 to S/N 0300079888	
123	4845404	1	Tray Weldment	
124	3422448	1	Pin, Pivot	
125	3841143	1	Pin, Keeper	
126	2750532	5ft/1.52m	Hose	
127	2220805	1	Fitting, Barbed 90°	
128	1320060	1	Clamp (S/N 0300069000 to S/N 0300073339)	
129	1320012	4	Clamp, Hose	
130	1320022	8	Clamp	
131	0641828	4	Bolt 1/2in-13NC x 3-1/2in	
132	4751800	1	Flatwasher 1/2in Regular	
133	3311805	4	Locknut 1/2in-13NC	
134	0641610	8	Bolt 3/8in-16NC x 1-1/4in	
135	0641608	16	Bolt 3/8in-16NC x 1in	
136	4751600	53	Flatwasher 3/8in Regular	
137	3311605	A/R	Locknut 3/8in-16NC	
138	0641408	7	Bolt 1/4in-20NC x 1in	
139	0641406	A/R	Bolt 1/4in-20NC x 3/4in	
140	4751400	A/R	Flatwasher 1/4in Regular	
141	3311405	A/R	Locknut 1/4in-20NC	
142	4740274	4	Washer, Snubbing	
143	3960389	5ft/1.52m	Seal	
144	0100011	A/R	Compound, Locking	

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**FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
145	2720472	1	Hose	
146	0100020	A/R	Sealant	
147	2220767	1	Fitting, Barbed	
148	0940070	1	Bumper, Rubber	
149	4567879	1	Tube, Exhaust	
150	0701012	4	Bolt M10 x 25mm	
151	4832000	4	Lockwasher M10	
152	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	
153	0340041	2	Band, Air Cleaner	
154	0080201	1	Elbow, Rubber	
155	1320016	A/R	Clamp	
156	3311801	1	Nut 1/2in-13NC	
157	2720436	1	Hose, Radiator - Top	
158	0641808	2	Bolt 1/2in-13NC x 1in	
159	2180798	1	Fitting, Restrictor Indicator	
160	2901362	1	Battery Cable Kit (S/N 0300069000 to S/N 0300074733)	C
	2902297	1	Battery Cable Kit (S/N 0300074733 to S/N 0300079888)	A
160A	7016800	1	Cable, Battery (Red) (Kit p/n 2901362)	
	7027006	1	Cable, Battery (Red) (Kit p/n 2902297)	
160B	7016807	1	Cable, Battery (Black) (Kit p/n 2901362)	
	7027005	1	Cable, Battery (Black) (Kit p/n 2902297)	
160C	7016808	1	Cable (Red) (Kit p/n 2901362)	
	7027007	1	Cable (Red) (Kit p/n 2902297)	
160D	7016804	1	Cable (Red) (Kit p/n 2901362)	
	7027002	1	Cable (Red) (Kit p/n 2902297)	
160E	Not Required		Kit p/n 2901362	
	7027003	1	Cable (Black) (Kit p/n 2902297)	
161	4460611	1	Terminal, Battery Jumper Post (S/N 0300069000 to S/N 0300074733)	
162	2220250	2	Fitting, Reducer	
163	0641414	4	Bolt 1/4in-20NC x 1-3/4in (S/N 0300073339 to S/N 0300079888)	
164	2720058	12ft/3.7m	Hose, Fuel Line	
165 to 166	Not Used			
167	1320223	3	Clamp	
168	3422533	1	Pin, Hitch	
169	3572280	1	Plate, Engine Mount (Rear)	
170	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
171	4752000	1	Flatwasher 5/8in Regular	
172	0700819	4	Bolt M8 x 55mm	
173	4831900	4	Lockwasher M8	
174	0961986	2	Flange, Bearing	
175	1060637	1	Lanyard	
176	Not Used			
177		2.9ft/0.88m	Flexible Trim Options:	
	4060804		Flexible Trim 3/16in (S/N 0300069000 to S/N 0300073339)	
	4060805		Flexible Trim 1/4in (S/N 0300073339 to S/N 03000S/N 79888)	
178	Not Used			

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**FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
179	4711400	A/R	Flatwasher 1/4in Thin	
180	3960468	1	Seal, Foam 1-1/4in x 1-1/4in x 47-1/4in	
181	3960469	1	Seal, Foam 1-1/4in x 1-1/4in x 32in	
182	0641410	3	Bolt 1/4in-20NC x 1-1/4in	
183	4360336	1	Switch (Dual Fuel Machines) (Not Shown - Located on Console Box)	
184	3790012	1	O-Ring (Not Shown - Located on Console Box)	
185 to 190	Not Used			
191	4568158	4	Standoff (S/N 0300069000 to S/N 0300073339)	
192	0641424	4	Bolt 1/4in-20NC x 3in (S/N 0300069000 to S/N 0300073339)	
193	1320032	1	Clamp	
194		1	Plate ECM/Relay Mount Options: S/N 0300073339 to S/N 0300073351 S/N 0300073351 to S/N 0300087000	
195	0641808	1	Bolt 1/2in-13NC x 1in (S/N 0300073339 to S/N 0300079888)	
196	4771800	1	Starwasher 1/2in (S/N 0300073339 to S/N 0300079888)	
197	0100048	A/R	Grease, Dielectric (S/N 0300073339 to S/N 0300079888)	
		Ref.	ENGINE COMPONENTS	
	2000172	Ref.	Standard (S/N 0300069000 to S/N 0300073339)	
	2000182	Ref.	Dual Fuel (S/N 0300069000 to S/N 0300073339)	
	2000196	Ref.	Dual Fuel (S/N 0300073339 to S/N 0300079888)	
201	3600377	1	Fuel Pump & Isolator Assembly (was p/n 7022133)	
	7022134	1	Harness, Fuel Pump Wiring	
202	91083218	1	Filter, Fuel (was p/n 7022135)	
203	7019986	1	Starter (Not Shown)	
204	7019977	1	Alternator with Pulley & Regulator	
	7000897	1	Alternator without Pulley & Regulator	
205		1	Actuator, Throttle Options: S/N 0300069000 to S/N 0300073339 (2000172 & 2000182 Engines) S/N 0300073339 to S/N 0300079888 (2000196 Engines)	
	7023655			
	7023683			
	7023652	1	Plate, Actuator Adapter	
	7023654	1	Gasket, Actuator to Adapter Plate	
	7023653	2	Bolt (Adapter Plate to Intake Manifold)	
	7023656	4	Bolt (Actuator to Adapter Plate)	
206	7019996	1	Sensor, Air Temperature (was p/n 7023661)	
	7023662	1	Bracket, Air Temperature Sensor	
207		1	Harness, Engine Control Processor Options: S/N 0300069000 to S/N 0300073339 S/N 0300073339 to S/N 0300079888	
	7023663			
	7023681			
208	7022139	1	Sensor, MAP	
209		1	Sensor, EGR Options: S/N 0300069000 to S/N 0300073339 (2000172 & 2000182 Engines) S/N 0300073339 to S/N 0300079888 (2000196 Engines)	
	7023682			
210	2420187	1	Dipstick (was p/n 7022140)	
	4564281	1	Tube, Dipstick (was p/n 7022146)	

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**FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
211	7023658	1	Horn, Rubber Air	
212	7023637		Switch, Oil Pressure	
213	7021868	1	Filter, Oil (was p/n 7022147 & 7022173)	
214	1660250	1	Coupling, Pump (was p/n 7016662)	
	7019976	1	Flywheel	
	7022180	1	Ring Gear	
215	7019993	1	Pressure Regulator & Filter Assembly	
216	70002307	1	Gasket, Exhaust (Manifold to Pipe)	
	7022143	1	Gasket, Exhaust (Manifold to Cylinder Head) (Not Shown)	
217	7022158	3	Connector	
218	7022159	2	Connector	
219	7022160	1	Connector	
220	7022161	2	Tube, Supply	
221	7022162	2	Clamp	
222	7019925	1	PCV Valve (Not Shown)	
223	7019930	1	Coil, Ignition (Not Shown)	
	7022157	1	Wire Set, Spark Plug (Not Shown)	
	7019932	4	Spark Plug (Not Shown)	
224		3	Relay Options:	
	7023613		S/N 0300069000 to S/N 0300073339 (2000172 & 2000182 Engines)	
	7023695		S/N 0300073339 to S/N 0300079888 (2000196 Engines)	
225	7022153	1	Pump, Water	
	7022154	1	Gasket, Water Pump	
	7022155	1	Sensor, Water Temperature (Not Shown)	
	7022156	1	Thermostat (Not Shown)	
	7023644	1	Hose, Water Pump (By-Pass) (Not Shown)	
226	7022178	1	Sensor, Crank Shaft	
227	3573241	1	Plate, LP Mixer Mounting (Engine p/n 2000182 Only)	
228	2720341	1	Hose, Rubber (was p/n 7022141)	
229	1600363	1	Module, EPM	
	2915195		EPM Update Kit (was p/n 7023685)	
230	7027402	1	Belt, Drive (was p/n 7019979)	
	70002567	1	Tensioner, Belt	
231	7022149	1	Gasket Kit, Lower Manifold (Not Shown)	
	7025124	1	Gasket Kit, Upper Manifold (was p/n 7022148) (Not Shown)	
	7022144	1	Gasket, Upper Manifold Throttle (Not Shown)	
232	7022151	1	Cap, Oil Fill	
233	7022179	1	Sensor, Camshaft (Not Shown)	
234	7023657	1	Harness, TPS Harness (Not Shown)	
235	7022150	1	Belt, Timing	

	3124114	1	Service Manual, Ford EFI System Diagnostic	

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**FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	MUFFLER INSTALLATIONS	
	0258390	Ref.	Standard Spark Arresting	1
	0258391	Ref.	Optional Catalytic	1
	0258571	Ref.	Standard Spark Arresting - UL Machines	3
301		1	Muffler Options:	
	3220113		Standard/UL Spark Arresting	
	3220114		Optional Catalytic	
	70001017	1	Clamp	
302	0340046	2	Band	
303	0902309	1	Bracket, Muffler	
304	0641507	4	Bolt 5/16in-18NC x 7/8in	
305	4711500	8	Flatwasher 5/16in Thin	
306	3311505	4	Locknut 5/16in-18NC	
307	4567073	1	Tube, Exhaust	
	70001017	1	Clamp	
		Ref.	Note: Items 308 to 314 UL Machines Only.	
308	4845668	1	Tube, Exhaust	
309	3900232	5	Bolt, Button Head 3/8in-16NC x 1-1/4in	
310	4751600	5	Flatwasher 3/8in Regular	
311	3311601	7	Nut 3/8in-16NC	
312	0100011	A/R	Compound, Locking	
313	0902473	1	Bracket, Exhaust Support	
314	3220111	1	Spark Arrestor	

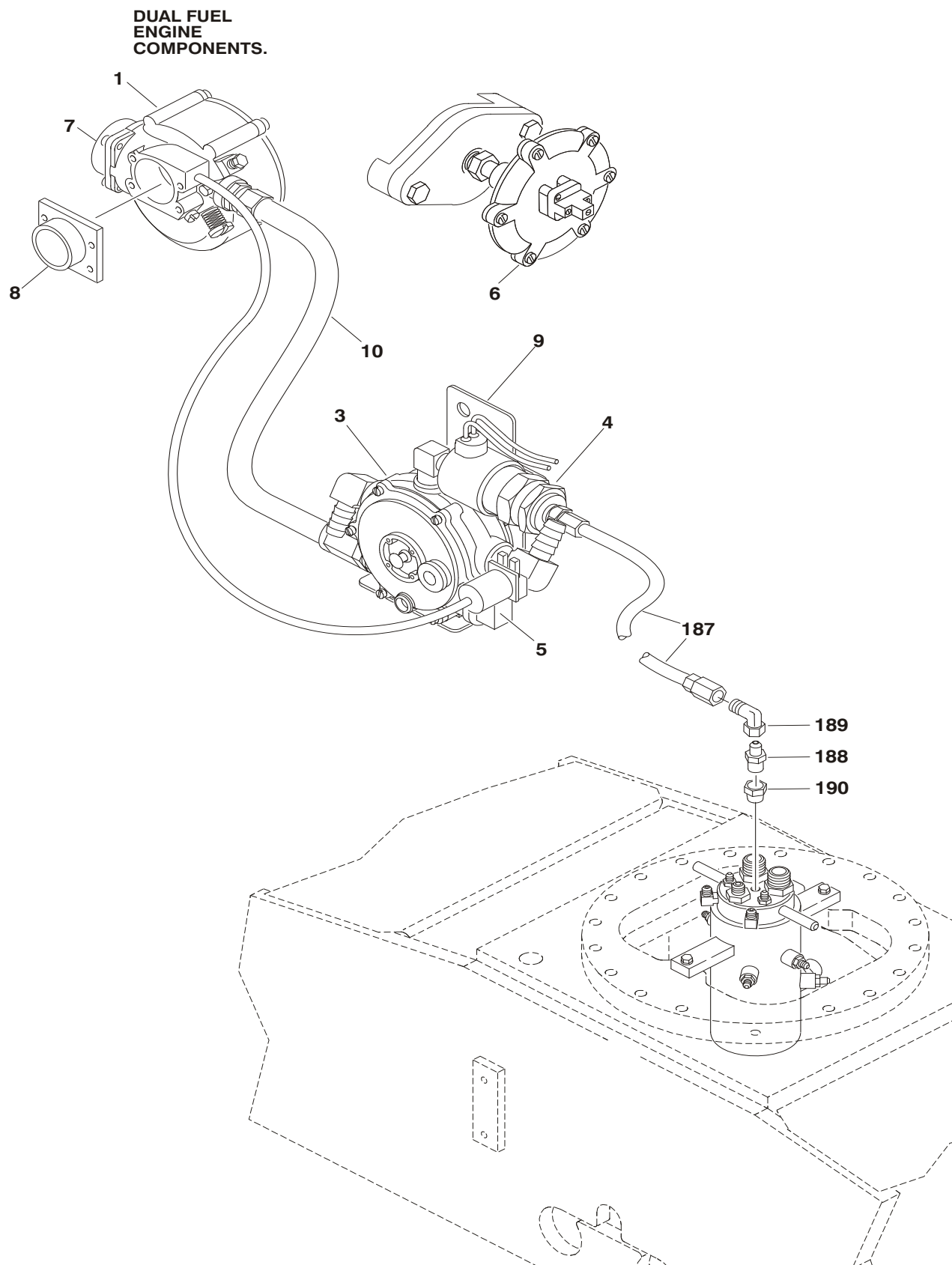
SECTION 2 TURNTABLE

**FIGURE 2-10. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300069000 TO S/N 0300079888)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-11. DUAL FUEL INSTALLATION (OPTIONAL - FORD ENGINE MACHINES)



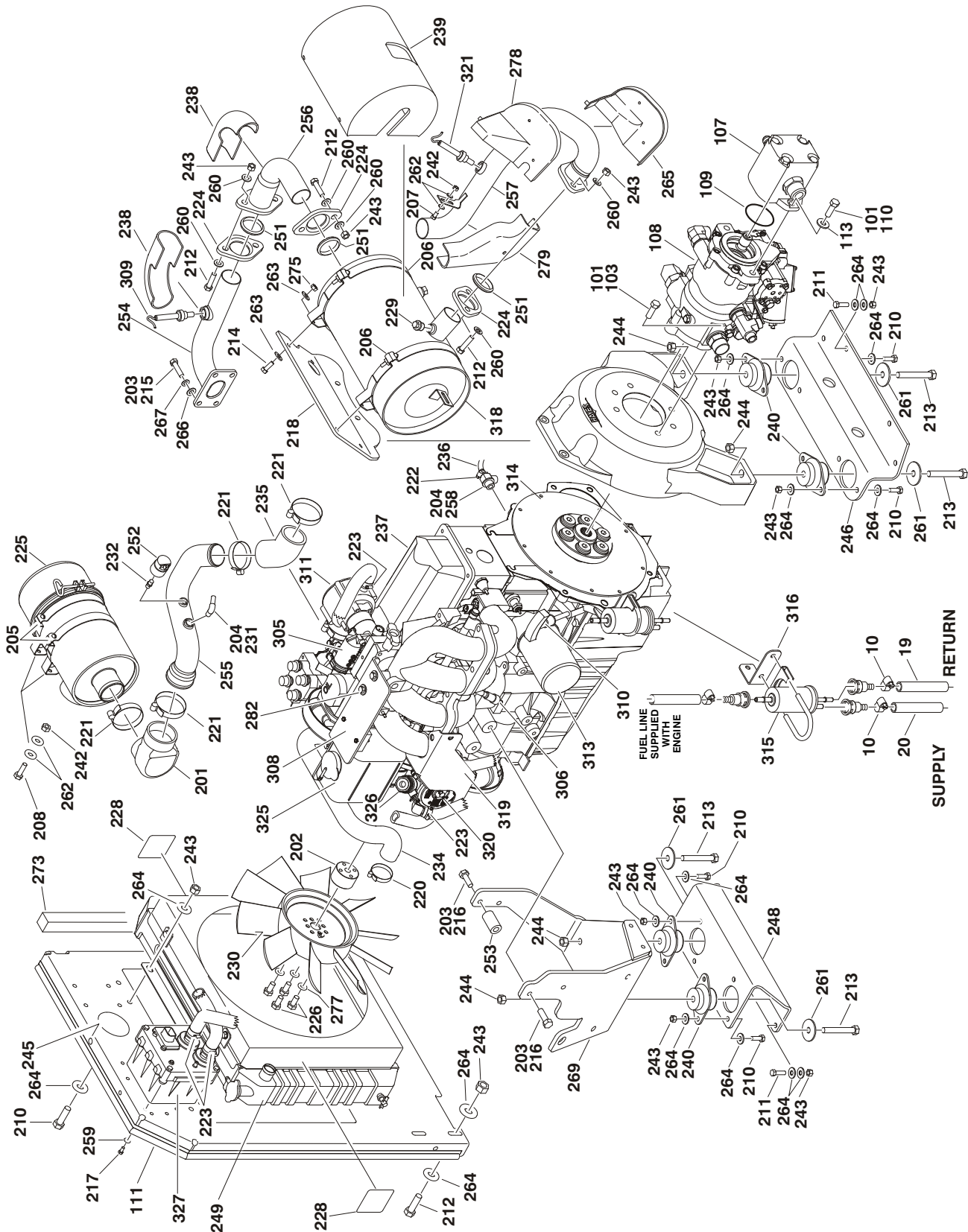
SECTION 2 TURNTABLE

FIGURE 2-11. DUAL FUEL INSTALLATION (OPTIONAL - FORD ENGINE MACHINES)

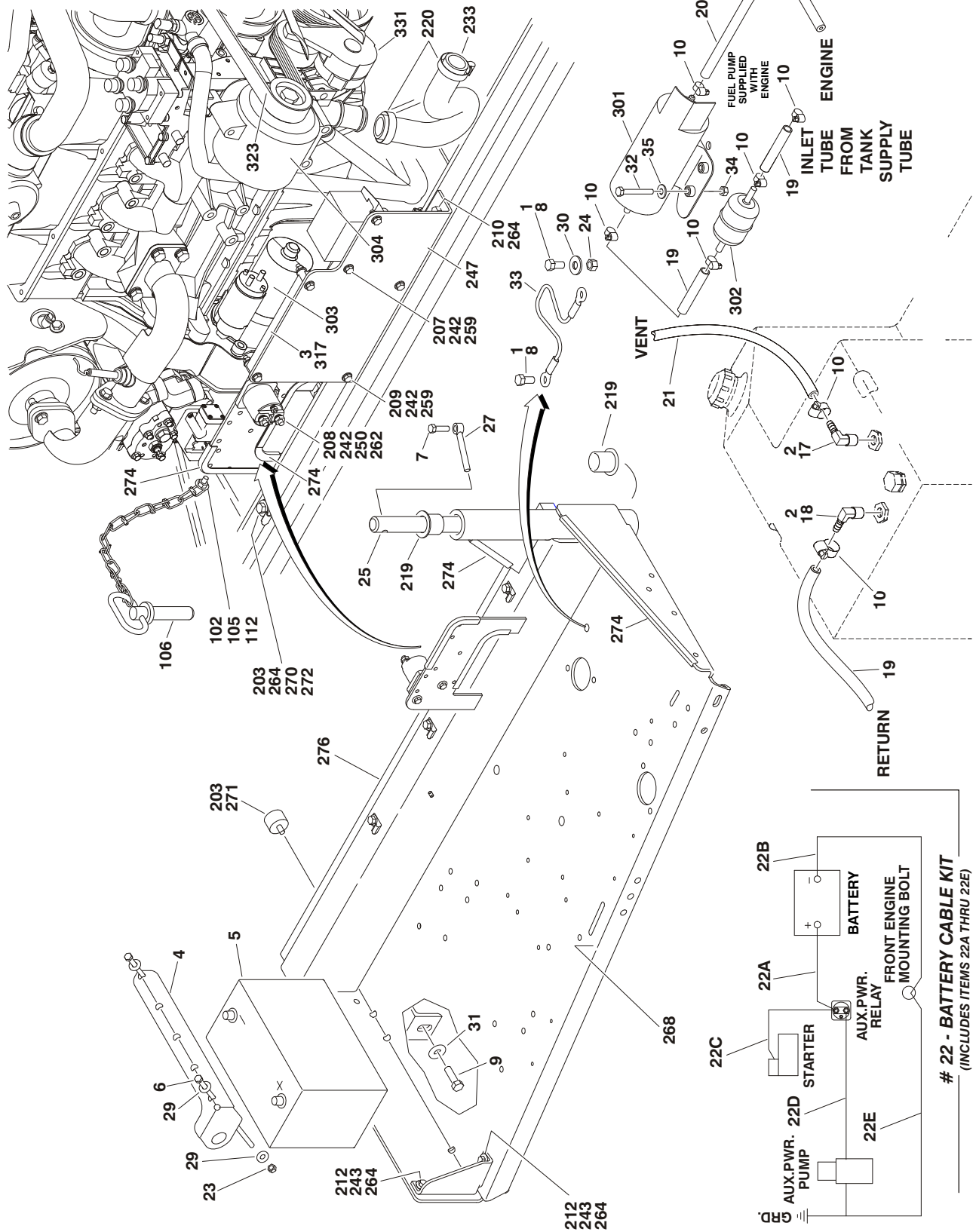
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2000182	Ref.	DUAL FUEL ENGINE COMPONENTS (S/N 0300069000 to S/N 0300073339)	
	2000196	Ref.	DUAL FUEL ENGINE COMPONENTS (S/N 0300073339 to S/N 0300079888)	
		Ref.	Note: For Machines built S/N 0300079888 to S/N 0300087000 refer to Engine Installation (Figure 2-12)	
	7023665	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	
	7023645	1	Gasket, 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)	
	Use 7023680	1	Electrical Connector Kit (No Longer Available - was p/n 7023679)	
5	7022168	1	Valve, Solenoid	
6	4360188	1	Switch, Vacuum	
7	7023603	1	Adapter	
	7023659	1	Gasket	
	7023660	4	Screw M6 x 14mm	
8	7022166	1	Adaptor	
9	3572722	1	Bracket	
10	70000121	1	Hose, LP	
		Ref.	DUAL FUEL MACHINE COMPONENTS	
	0270846	Ref.	S/N 0300069000 to S/N 0300073339	5/E
	0272898	Ref.	S/N 0300073339 to S/N 0300079888	1/B
	0274017	Ref.	S/N 0300079888 to S/N 0300087000	B
101 to 186	Not Used			
187	2720392	1	Hose	
188	2180418	1	Fitting, Straight	
189	2220064	1	Fitting, 90°	
190	2220005	1	Fitting, Reducer	

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FIGURE 2-12. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300079888 TO S/N 0300087000)



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FIGURE 2-12. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300079888 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ENGINE INSTALLATIONS	
	0274017	Ref.	S/N 0300069000 to S/N 0300084829	C
	0274521	Ref.	S/N 0300084829 to S/N 0300087000	A
1	0100011	A/R	Compound, Locking	
2	0100020	A/R	Sealant	
3	0100048	A/R	Grease, Dielectric	
4	0181727	1	Angle, Battery Hold-Down	
5	0400075	1	Battery	
6	0630498	2	Bolt, Battery Hold-Down	
7	0641608	1	Bolt 3/8in-16NC x 1in	
8	0641808	2	Bolt 1/2in-13NC x 1in	
9	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
10	1320022	7	Clamp (Not Shown - Located on Turntable to Clamp Fuel Line)	
11	1701542	1	Decal - Gas (Not Shown - Located on Hood)	
12	1701543	1	Decal - LP (Not Shown - Located on Frame)	
13 to 16	Not Used			
17	2220313	1	Fitting, 90°	
18	2221176	1	Fitting, 90°	
19	2720058	12ft/3.7m	Hose, Fuel Line	
20	2720472	1	Hose, Fuel Line	
21	2720532	5ft/1.5m	Hose, Fuel Line	
22	2902297	1	Battery Cable Kit	A
22A	7027006	1	Cable, Battery (Red)	
22B	7027005	1	Cable, Battery (Black)	
22C	7027007	1	Cable (Red)	
22D	7027002	1	Cable (Red)	
22E	7027003	1	Cable (Black)	
23	3311605	2	Locknut 3/8in-16NC	
24	3311801	1	Nut 1/2in-13NC	
25	3422448	1	Pin	
26	3790012	1	O-Ring (Not Shown - Located at Platform Console Box)	
27	3841143	1	Pin, Keeper	
28	4360336	1	Switch, Toggle (Not Shown - Located at Platform Console Box)	
29	4751600	4	Flatwasher 3/8in Regular	
30	4751800	1	Flatwasher 1/2in Regular	
31	4752000	1	Flatwasher 5/8in Regular	
32	0641410	3	Bolt 1/4in-20NC x 1-1/4in	
33	1060637	1	Cable, Lanyard	
34	3311405	3	Locknut 1/4in-20NC	
35	4711400	3	Flatwasher 1/4in Thin	
36	Not Used			

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**FIGURE 2-12. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300079888 TO S/N 0300087000)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ENGINE AND PUMP ASSEMBLIES	
	2000256	Ref.	S/N 0300069000 to S/N 0300084829	C
	2000300	Ref.	S/N 0300084829 to S/N 0300087000	A
101	0100011	A/R	Compound, Locking	
102	0641407	1	Bolt 1/4in-20NC x 7/8in	
103	0641812	2	Bolt 1/2in-13NC x 1-1/2in	
104	Not Used			
105	3311405	1	Locknut 1/4in-20NC	
106	3422532	1	Pin, Hitch	
107	3600395	1	Load Sensing Pump Assembly with Fittings Options (See Figure 2-15 for Breakdown):	
108	3600396	1	Piston Pump Assembly with Fittings Options (See Figure 2-14 for Breakdown):	
109		1	O-Ring Options:	
	3790152		S/N 0300069000 to S/N 0300084829	
	3790012		S/N 0300084829 to S/N 0300087000)	
110	3931620	2	Bolt 3/8in-16NC x 1-1/4in	
111	3960389	5ft/1.5m	Seal	
112	4751400	1	Flatwasher 1/4in Regular	
113	4891600	2	Flatwasher 3/8in Hardened	
		Ref.	ENGINE ASSEMBLY	
	2000209	Ref.	S/N 0300069000 to S/N 0300084829	D
	2000299	Ref.	S/N 0300084829 to S/N 0300087000	B
201	0080201	1	Adapter 90° Elbow	
202	0080214	1	Adapter, Fan Spacer	
203	0100011	A/R	Compound, Locking	
204	0100020	A/R	Sealant, Pipe	
205	0340041	2	Band, Air Cleaner	
206	0340046	2	Band, Muffler	
207	0641406	3	Bolt 1/4in-20NC x 3/4in	
208	0641408	6	Bolt 1/4in-20NC x 1in	
209	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
210	0641608	14	Bolt 3/8in-16NC x 1in	
211	0641610	10	Bolt 3/8in-16NC x 1-1/4in	
212	0641612	8	Bolt 3/8in-16NC x 1-1/2in	
213	0641828	4	Bolt 1/2in-13NC x 3-1/2in	
214	0641507	4	Bolt 5/16in-18NC x 7/8in	
215	0701012	4	Bolt 10mm x 25mm	
216	0701014	4	Bolt 10mm x 30mm	
217	0760606	4	Bolt 6mm x 12mm	
218	0903079	1	Bracket, Muffler	
219	0961986	2	Bushing, Flanged	
220	1320012	4	Clamp	
221	1320016	3	Clamp	
222	1320022	1	Clamp, Hose	
223	1320033	8	Clamp, Hose	

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**FIGURE 2-12. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300079888 TO S/N 0300087000)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
224	1321138	3	Plate, Exhaust Flange	
225	1340060	1	Air Cleaner Assembly Including Filter Element	
	7012664	1	Element, Filter (Not Shown)	
226	0700819	4	Bolt 8mm x 55mm	
227	Not Used			
228	1703162	2	Decal - Caution Fan Blade	
229	1120588	1	Plug	
230	2060025	1	Fan	
231	2180467	1	Fitting	
232	2180798	1	Fitting, Restriction Indicator (S/N 0300069000 to S/N 0300084829)	
233	2720435	1	Hose, Radiator (Bottom)	
234	2720436	1	Hose, Radiator (Upper)	
235	2720514	1	Hose, 45° Elbow	
236	2750532	6in/15cm	Hose, Oil Drain	
237	2000272	1	Engine (See Items 301-326 for Engine Components)	
238	2820173	2	Insulation, Exhaust (Elbow)	
239	2820180	1	Insulation, Catalytic Muffler	
240	3200362	4	Mount, Motor	
241	Not Used			
242	3311405	13	Locknut 1/4in-20NC	
243	3311605	30	Locknut 3/8in-16NC	
244	3311805	4	Locknut 1/2in-13NC	
245	3539872	1	Plate, Radiator Mounting	
246	3572280	1	Plate, Engine Mount	
247	3574162	1	Plate, ECM/Relay Mount	
248	3574504	1	Plate, Engine Mount	
249	3620040	1	Radiator	
250	3740067	1	Relay	
251	3960591	3	Gasket, Exhaust	
252	4360392	1	Indicator, Restriction (S/N 0300069000 to S/N 0300084829)	
253	4566605	1	Tube, Spacer	
254		1	Tube, Exhaust Options:	
	4567879		S/N 0300069000 to S/N 0300082977	
	4569203		S/N 0300082977 to S/N 0300087000	
255		1	Tube, Intake Options:	
	4568951		S/N 0300069000 to S/N 0300084829	
	4569173		S/N 0300084829 to S/N 0300087000	
256	4569083	1	Tube, Exhaust	
257	4569092	1	Tube, Exhaust	
258	4640989	1	Valve, Oil Drain	
259	4711400	16	Flatwasher 1/4in Thin	
260	4711600	12	Flatwasher 3/8in Thin	
261	4740274	4	Washer, Snubbing	
262	4751400	12	Flatwasher 1/4in Regular	
263	4751500	8	Flatwasher 5/16in Regular	
264	4751600	51	Flatwasher 3/8in Regular	
265	2820186	1	Insulation, Exhaust (Shield)	
266	4812000	4	Flatwasher 10M	

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**FIGURE 2-12. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300079888 TO S/N 0300087000)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
267	4832000	4	Lockwasher 10M	
268	4845404	1	Tray, Engine	
269	4846806	1	Plate, Engine Mounting	
270	0641606	1	Bolt 3/8in-16NC x 3/4in	
271	0940070	1	Bumper	
272	1320223	3	J-Clip	
273	3960469	1	Seal	
274	4060805	37in/1m	Flex-Trim	
275	3311505	4	Locknut 5/16in-18NC	
276	3960468	1	Seal	
277	4831900	4	Lockwasher M8	
278	2820187	1	Insulation, Exhaust	
279	2820188	1	Insulation, Shell	
280	4920385	10ft/3m	Wire, Safety (Not Shown)	
281	2300004	A/R	Fluid, Anti-freeze (Not Shown)	
282	4711500	2	Flatwasher 5/16 Thin (S/N 0300084829 to S/N 0300087000)	
	2000272	Ref.	ENGINE COMPONENTS	
301	3600377	1	Fuel Pump & Isolator Assembly (was p/ns 7022133 & 7027407)	B
	7022134	1	Harness, Fuel Pump (Not Shown)	
302	91083218	1	Filter, Fuel (was p/n 7022135)	
303	7012679	1	Starter (was p/n 7027408)	
304	7019977	1	Alternator with Regulator & Pulley	
	7000897	1	Alternator without Regulator & Pulley	
305	7023683	1	Actuator, Throttle	
	7027404	1	Gasket, Actuator (Not Shown)	
306	7019996	1	Sensor, Air Temperature (was p/n 7023661)	
307	7023681	1	Harness, Engine Control (was p/n 7027403) (Not Shown)	
308	7022139	1	Sensor, MAP	
309	7023682	1	Sensor, EGR	
310	2420187	1	Dipstick (was p/n 7022140)	
	4564281	1	Tube, Dipstick	
311	7027400	1	Mixer Assembly	
312	Not Used			
313	7021868	1	Filter, Oil (was p/n 7022147 & 7022173)	
314	1660250	1	Coupling, Pump	
	7019976	1	Flywheel (Not Shown)	
	7022180	1	Ring Gear (Not Shown)	
315	7019993	1	Pressure Regulator & Filter Assembly	
316	0902539	1	Bracket	
317	1600374	1	Module, EPM	
	7027413	1	Harness, EPM Jumper	
318	3220134	1	Muffler	
319	0903010	1	Bracket, LP Regulator	
320	7023698	1	Regulator, LP	
321	7019994	1	Sensor, EGR (was p/n 7027406)	

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**FIGURE 2-12. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300079888 TO S/N 0300087000)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
322	70002307	1	Gasket, Exhaust (Manifold to Pipe)	
	7022143	1	Gasket, Exhaust (Manifold to Cylinder Head) (was p/n (7027401) Not Shown)	
323	7027402	1	Belt, Drive	
324	7027405	4	Spark Plug (Not Shown)	
325	1580011	1	Bottle, Overflow	
326	7027409	1	LP Filter Shutoff W/Leads	
327	7023699	1	Megajector	
	7027410	1	Harness, Megajector	
	70001690	1	Hose Kit - Megajector	
328	7019925	1	PCV Valve (Not Shown)	
329	7022155	1	Sensor, Water Temperature (Not Shown)	
330	7022150	1	Belt, Timing (Not Shown)	
331	70002567	1	Tensioner, Belt	

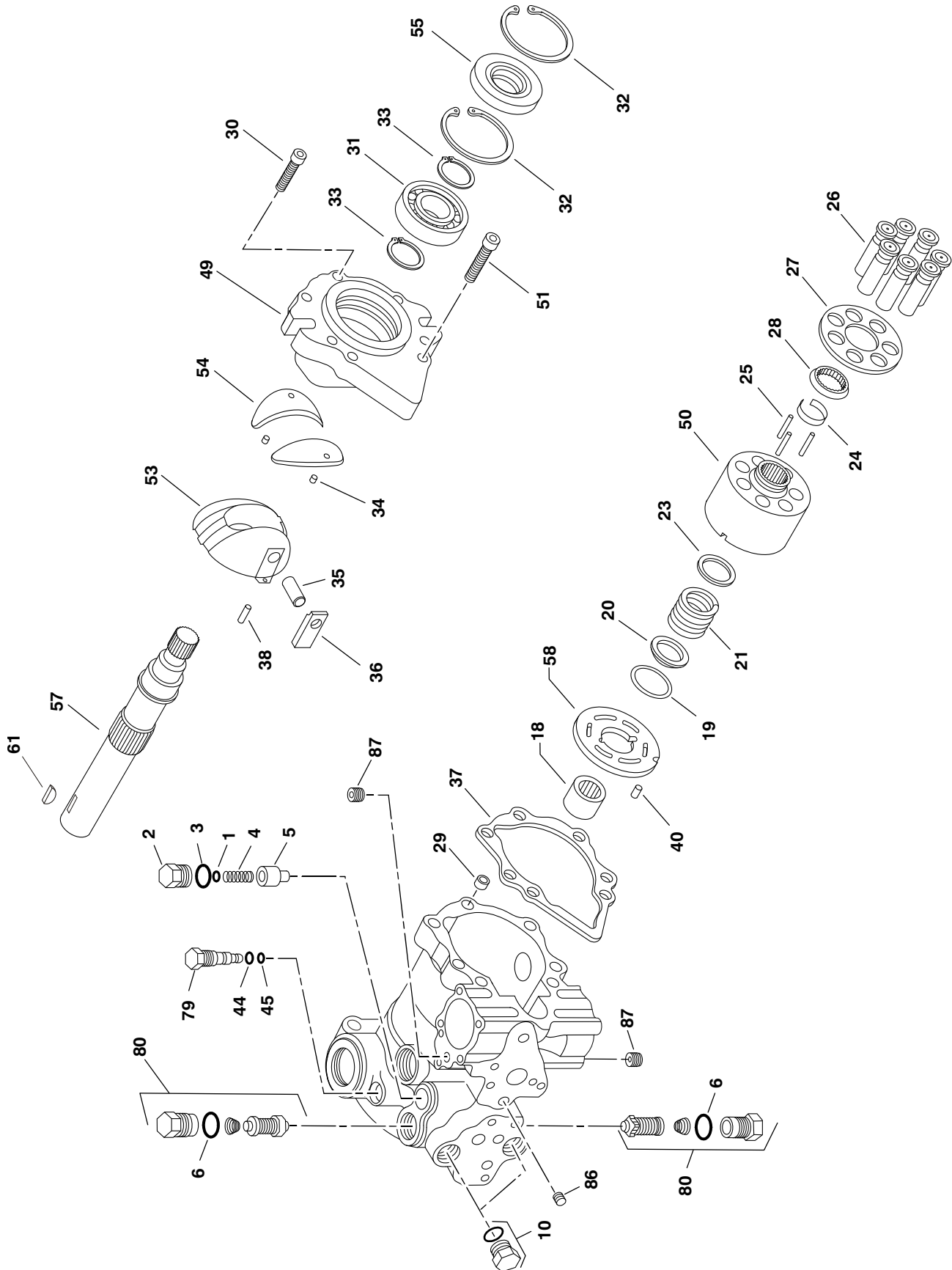
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**FIGURE 2-12. FORD ENGINE INSTALLATION - LRG-425 (S/N 0300079888 TO S/N 0300087000)
(CONTINUED)**

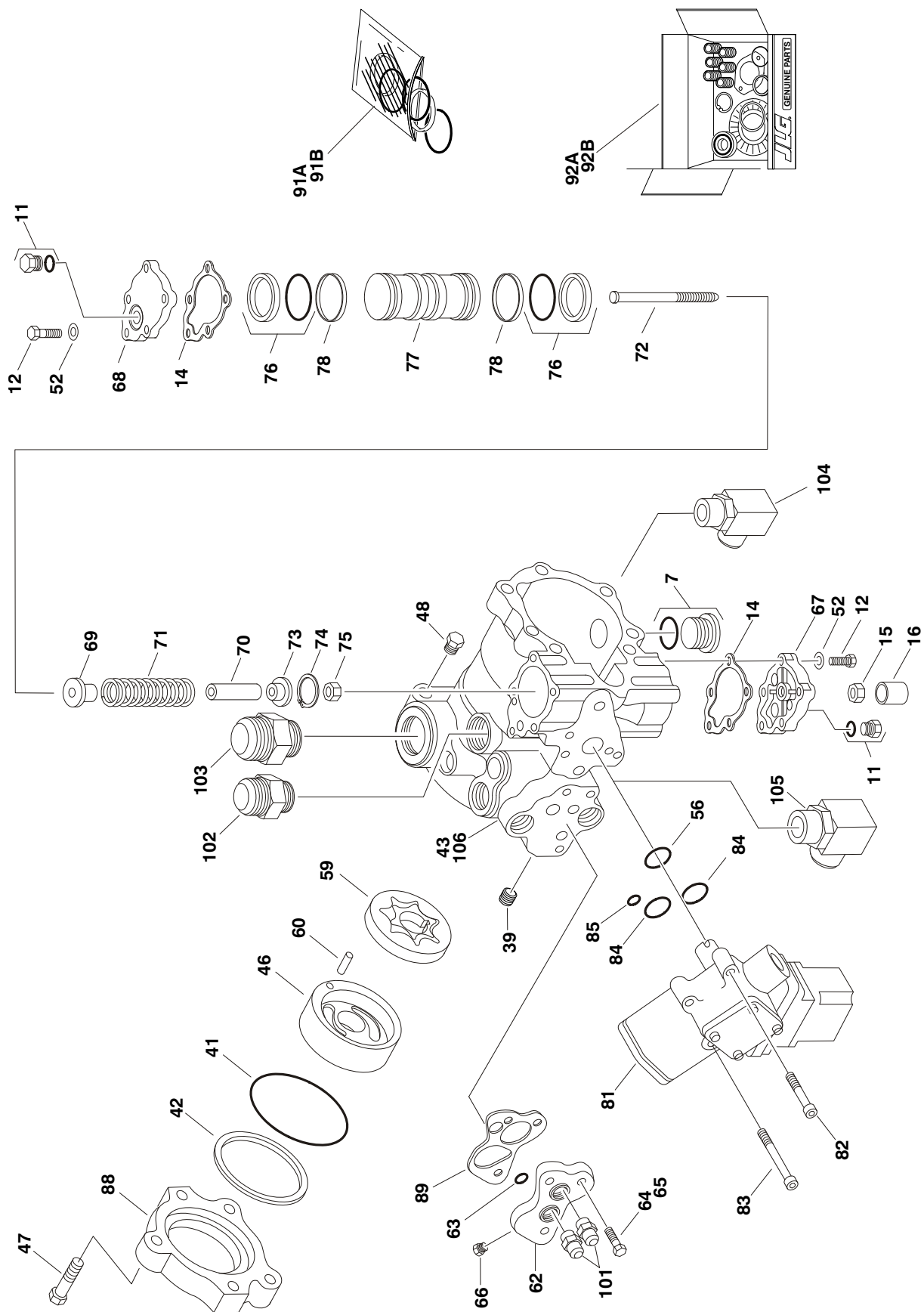
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-13. PISTON PUMP ASSEMBLY (S/N 0300069000 TO S/N 0300079888)



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FIGURE 2-13. PISTON PUMP ASSEMBLY (S/N 0300069000 TO S/N 0300079888)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600260	Ref.	PISTON PUMP ASSEMBLY	B
1	7007413	1	Shim Kit	
2	7007414	1	Plug	
3	Use 2900752	1	O-Ring	
4	7007416	1	Spring, Relief Valve	
5	7007417	1	Valve, Relief	
6	Use 2900752	2	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 2900752	2	Gasket, Servo Cover	
15	7007423	1	Nut, Special	
16	7007424	1	Cover, Adjustment	
17	Not Used			
18	7007425	1	Bearing, Needle	
19	Use 2900827	1	Ring, Retaining	
20	Use 2900827	1	Washer	
21	Use 2900827	1	Spring	
22	Not Used			
23	Use 2900827	1	Washer	
24	Use 2900827	1	Retainer	
25	Use 2900827	3	Pin, Slipper Holddown	
26	Use 2900827	7	Piston Assembly	
27	Use 2900827	1	Retainer, Slipper	
28	Use 2900827	1	Guide, Retainer	
29	7007435	1	Pin, Spring	
30	7007436	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 2900752	1	Gasket, Front Cover	
38	7007444	1	Pin	
39	7007445	1	Plug, Expansion	
40	Use 2900827	1	Pin	
41	See Note	1	O-Ring (Note: Use Item 91A or 92A)	
42	See Note	1	Ring, Load Temper (Note: Use Item 91A or 92A)	
43	7007449	1	Housing, Pump	
44	Use 2900752	1	Ring, Back-Up	
45	Use 2900752	1	O-Ring	
46	Use 2900826	1	Cover, Gerotor	
47	7007453	3	Bolt, Hex	

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FIGURE 2-13. PISTON PUMP ASSEMBLY (S/N 0300069000 TO S/N 0300079888) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
48	7007208	1	Plug	
49	7007454	1	Cover, Front	
50	Use 2900827	1	Block, Cylinder	
51	7007456	6	Screw	
52	7001438	10	Washer	
53	Use 2900827	1	Swashplate	
54	7007458	1	Journal, Bearing	
55	See Note	1	Seal, Lip (Note: Use Item 91A or 92B)	
56	Use 2900752	1	O-Ring	
57	7010121	1	Shaft, Main Pump	
58	7021214	1	Plate, Valve	
59	7007463	1	Gerotor Assembly	
60	Use 2900826	1	Pin	
61	Use 2900826	1	Key, Woodruff	
62	7007466	1	Adaptor, Remote Filtration (Without By-Pass)	
63	Use 2900752	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, Special (Not Shown)	
	7007492	2	Ring, External (Not Shown)	
68	7007482	1	Cover, Servo (Without 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 91A or 91B)	
77	7007494	1	Piston, Servo	
78	See Note	2	O-Ring (Note: Use Item 91A or 91B)	
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 2900752	2	O-Ring	
85	Use 2900752	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	
90	Not Used			

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FIGURE 2-13. PISTON PUMP ASSEMBLY (S/N 0300069000 TO S/N 0300079888) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
91			Seal Kit Options:	
91A	2900752	1	Seal Kit - Complete (Includes Items 3, 6, 14, 37, 41, 42, 44, 45, 55, 56, 63, 76, 78, 84 & 85)	
91B	7007412	1	Seal Kit - Servo Piston (Includes Items 76 & 78)	
92			Repair Kit Options:	
92A	2900826	1	Charge Pump Kit (Includes Items 41,42,46,59,60 & 61)	
92B	2900827	1	Cylinder Block Kit (Includes Items 19-28,40,50,53,55 & 58)	
	3600397	Ref.	PISTON PUMP AND FITTING ASSEMBLY	A
101	2220374	2	Fitting, Straight	
102	2220375	1	Fitting, Straight	
103	2220377	1	Fitting, Straight	
104	2220578	1	Fitting, 90°	
105	2220646	2	Fitting, 90°	
106	3600260	1	Pump, Piston (Includes Items 1 - 89)	

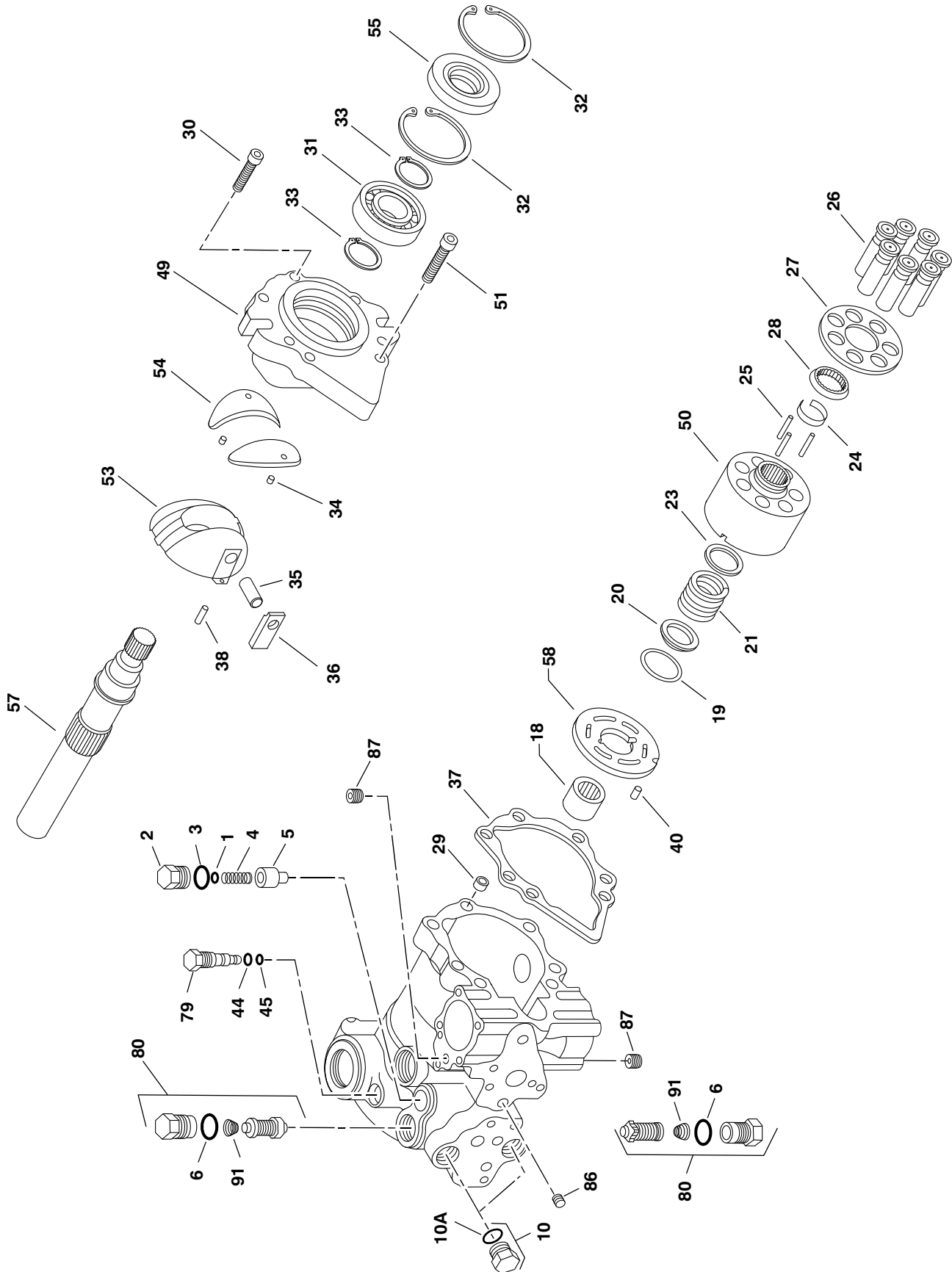
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FIGURE 2-13. PISTON PUMP ASSEMBLY (S/N 0300069000 TO S/N 0300079888) (CONTINUED)

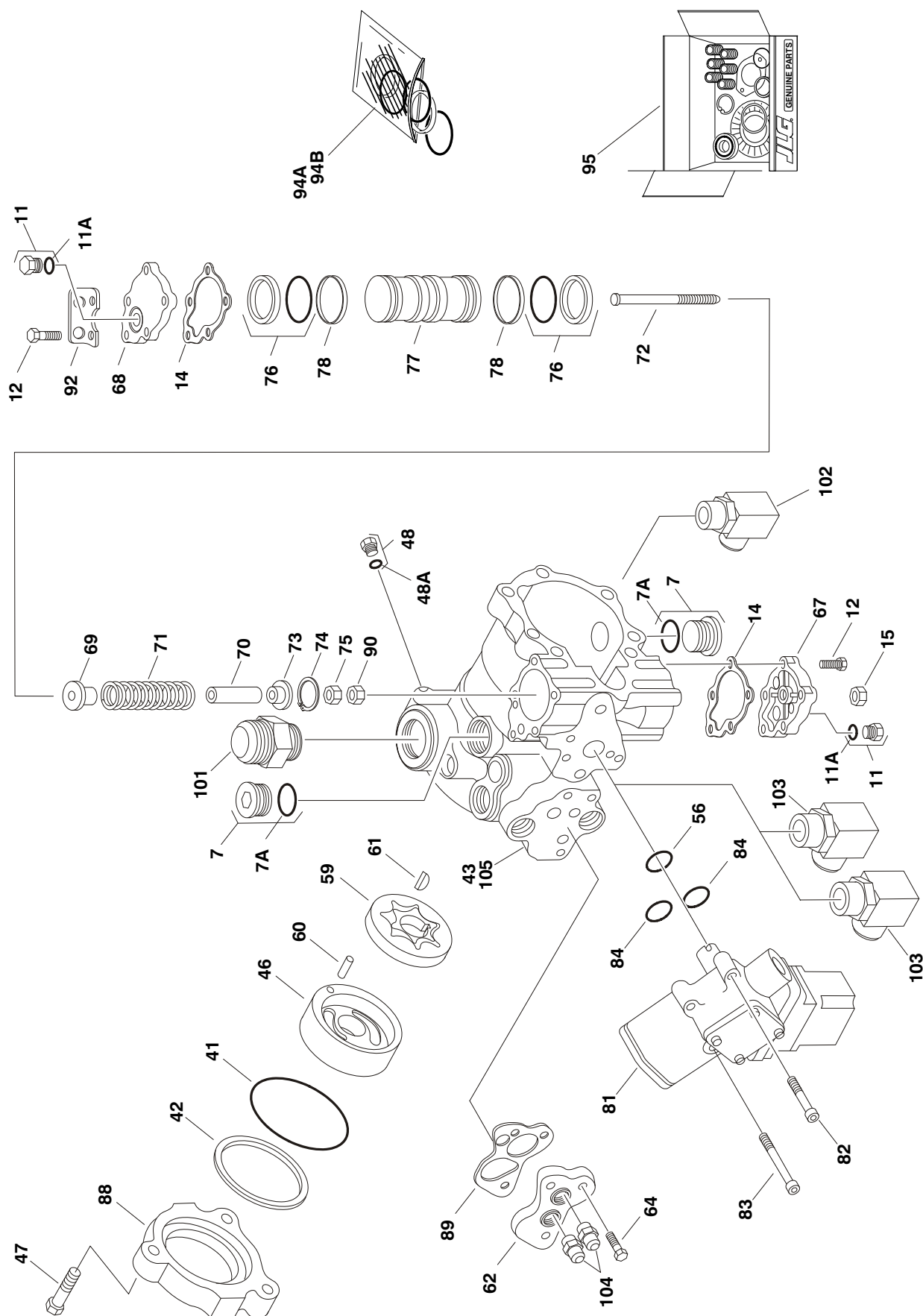
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-14. PISTON PUMP ASSEMBLY (S/N 0300079888 TO S/N 0300087000)



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FIGURE 2-14. PISTON PUMP ASSEMBLY (S/N 0300079888 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600381	Ref.	PISTON PUMP ASSEMBLY	A
1	7007413	1	Shim Kit	
2	7007414	1	Plug	
3	Use 7021232	1	O-Ring	
4	7021200	1	Spring, Relief Valve	
5	7007417	1	Valve, Relief	
6	Use 7021232	2	O-Ring	
7	7007419	2	Plug	
7A	7007418	2	O-Ring	
8 to 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 7021232	2	Gasket, Servo Cover	
15	7007423	1	Nut, Special	
16 to 17	Not Used			
18	7007425	1	Bearing, Needle	
19	Use 7010116	1	Ring, Retaining	
20	Use 7010116	1	Washer	
21	Use 7010116	1	Spring	
22	Not Used			
23	Use 7010116	1	Washer	
24	Use 7010116	1	Retainer	
25	Use 7010116	3	Pin, Slipper Holddown	
26	Use 7010116	7	Piston Assembly	
27	Use 7010116	1	Retainer, Slipper	
28	Use 7010116	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 7021232	1	Gasket, Front Cover	
38	7007444	1	Pin	
39	Not Used			
40	7007446	1	Pin	
41	Use 7021232	1	O-Ring	
42	Use 7021232	1	Ring, Load Temper	
43	7023977	1	Housing, Pump	
44	Use 7021232	1	Ring, Back-Up	
45	Use 7021232	1	O-Ring	
46	7007452	1	Cover, Gerotor	

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FIGURE 2-14. PISTON PUMP ASSEMBLY (S/N 0300079888 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
47	7007453	3	Bolt, Hex	
48	7007208	1	Plug	
48A	7007207	1	O-Ring	
49	7007454	1	Cover, Front	
50	Use 7010116	1	Block, Cylinder	
51	7021207	6	Screw	
52	Not Used			
53	7007457	1	Swashplate	
54	7021212	1	Journal, Bearing	
55	Use 7021232	1	Seal, Lip	
56	Use 7021232	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 to 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 94A or 94B)	
77	7007494	1	Piston, Servo	
78	See Note	2	O-Ring (Note: Use Item 94A or 94B)	
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	
90	7021206	1	Nut	
91	7024800	2	Spring	
92	7021201	1	Bracket, Lifting	

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FIGURE 2-14. PISTON PUMP ASSEMBLY (S/N 0300079888 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
93	Not Used			
94			Seal Kit Options:	
94A	7021232	1	Seal Kit - Complete (Includes Items 3, 6, 14, 37, 41, 42, 44, 45, 55, 56, 76, 78 & 89)	
94B	7007412	1	Seal Kit - Servo Piston (Includes Items 76 & 78)	
95	7010116	1	Cylinder Block Kit (Includes Items 19-28, & 50)	
	3600396	Ref.	PISTON PUMP AND FITTING ASSEMBLY	A
101	2220479	1	Fitting, Straight	
102	2220578	1	Fitting, 90°	
103	2220646	2	Fitting, 90°	
104	2220947	2	Fitting, Straight	
105	3600381	1	Pump Options (Includes Items 1 - 92)	

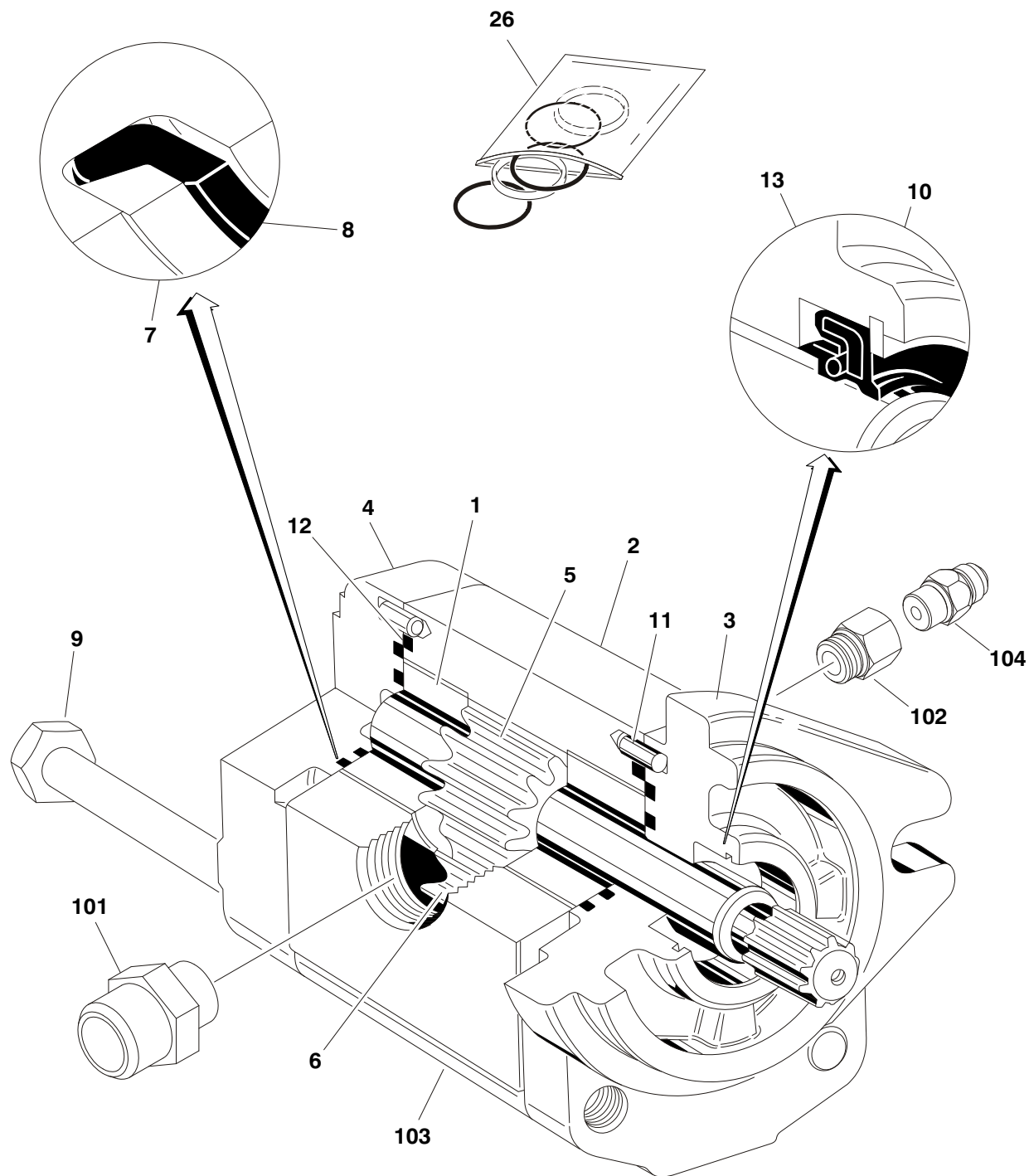
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FIGURE 2-14. PISTON PUMP ASSEMBLY (S/N 0300079888 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-15. GEAR PUMP ASSEMBLY



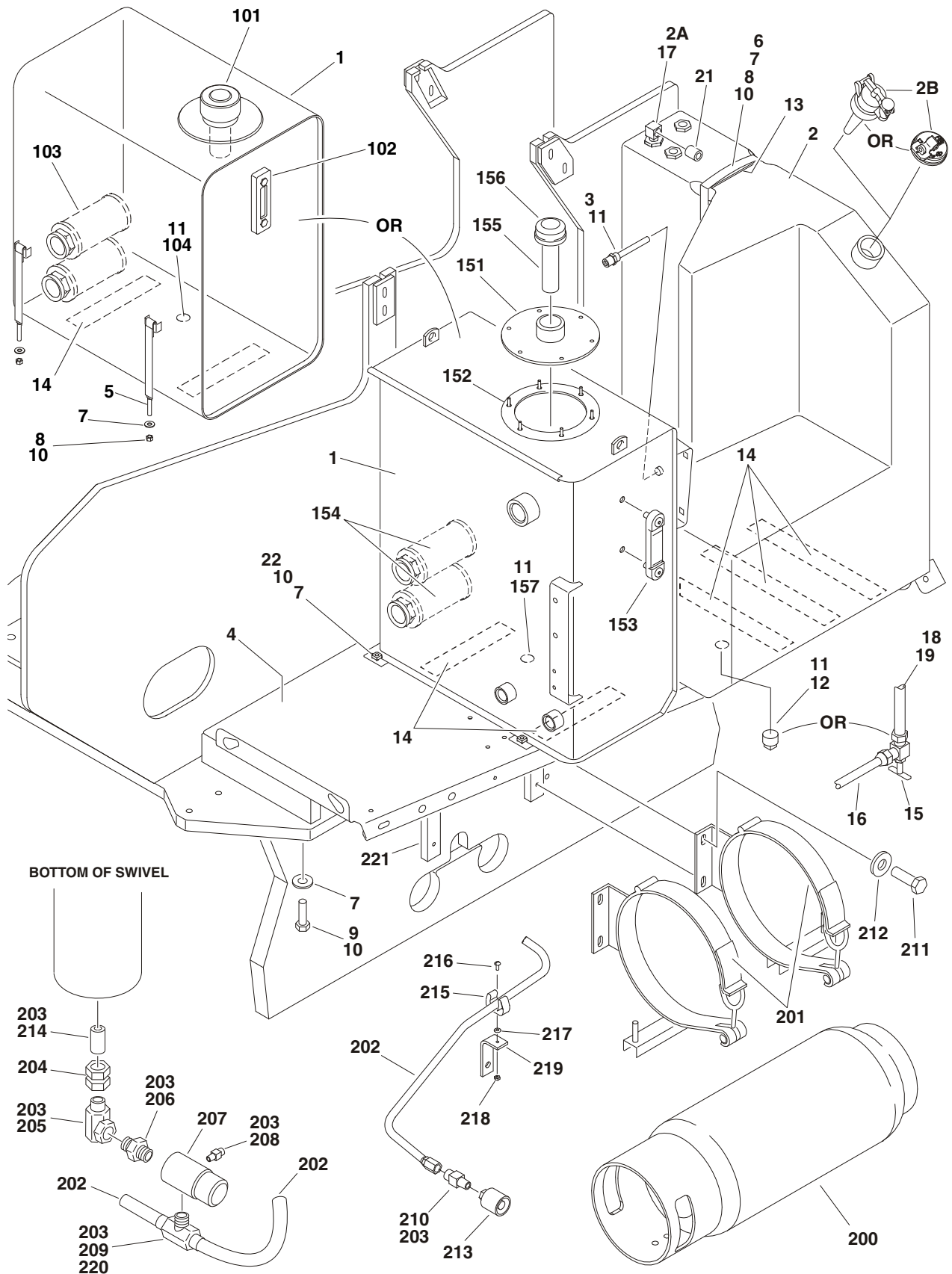
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FIGURE 2-15. GEAR PUMP ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600242	Ref.	GEAR PUMP ASSEMBLY	
1	7010105	2	Bearing/Bushing	
2	Use 3600242	1	Housing (Note: Not Available for Purchase)	
3	Use 3600242	1	Flange (Note: Not Available for Purchase)	
4	7010103	1	Cover	
5	7012987	1	Gear, Drive	
6	7012988	1	Gear, Idler	
7	Use 7007489	2	Ring, Anti-Extrusion	
8	Use 7007489	2	Seal	
9	See Note	4	Bolt (Note: Not Available for Purchase)	
10	7010104	1	Ring, Retaining	
11	See Note	4	Pin, Dowel (Note: Not Available for Purchase)	
12	Use 7007489	2	Seal, O-Ring	
13	Use 7007489	1	Seal, Shaft	
14 to 25	Not Used			
26	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 (Includes Items 1 - 13)	
104	4640744	1	Fitting, Check Valve	

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FIGURE 2-16. TANK INSTALLATIONS



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FIGURE 2-16. TANK INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	TANK INSTALLATIONS	
	0255409	Ref.	All Machines without Locking Fuel Cap	7
	0270395	Ref.	Gas Machines with Locking Fuel Cap	2
	0257482	Ref.	Diesel Machines with Locking Fuel Cap	1
	0257671	Ref.	UL Machines	4
	0258606	Ref.	UL LP Gas Machines Only	2
1		1	Hydraulic Tank Assembly Options:	
	4400372		S/N 0300069000 to S/N 0300072295 (See Items 101-104 for Breakdown)	
	4400454		S/N 0300072295 to S/N 0300087000 (See Items 151-157 for Breakdown)	
2		1	Tank, Fuel Options:	
	4400399		Standard	
	4400407		UL Machines Only	
	Not Required		UL Machines LP Gas Only	
2A	7019658		Fitting, 90° W/Pick-Up Tub	
2B		1	Cap Options:	
	7016314		Standard - Non-Locking (Part of Item 2)	
	1120484		Red Locking Cap - Gas/Dual Fuel Machines (Not Included with Tank - Purchase Separately)	
	1120487		Blue Locking Cap - Diesel Machines (Not Included with Tank - Purchase Separately)	
	1120367		UL Machines (Not Included with Tank - Purchase Separately)	
	Not Required		UL Machines LP Gas Only	
3	4360436	1	Switch, Fuel Level	
4	4844964	1	Hydraulic Tray Weldment	
5	4240112	4	Strap, Tank (S/N 0300069000 to S/N 0300072295)	
6	4240102	1	Strap, Tank (Not Required on UL Machines)	
7	4751600	12	Flatwasher 3/8in Regular	
8	3311601	6	Nut 3/8in-16NC	
9	0641614	6	Bolt 3/8in-16NC x 1-3/4in	
10	0100011	A/R	Compound, Locking	
11		A/R	Sealant, Pipe Options :	
	0100079		(Standard Machines)	
	0100020		(UL Machines)	
12	2200233	1	Fitting	
13	4280295	25in/44cm	Strip, Protective	
14	4420038	A/R	Tape, Rubber	
15		1	Valve, Needle	
	4641022		Standard Gas Machines, Valve, Needle - Located on Bottom of Fuel Tank	
	4641022		UL Gas Machines, Valve, Needle - Located on Top of Fuel Tank	
	Not Required		Diesel Machines	
16	4568116	1	Tube, Fuel	
17	Not Used			
18	0100062	A/R	Retaining Compound #680	
19	4568119	1	Tube, Fuel	

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FIGURE 2-16. TANK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
20	2180703	1	Fitting, 90° (Not Shown Located on Top of Fuel Tank) (UL Machines Only)	
21	2220273	1	Fitting, Reducer (UL Machines Only)	
22	0641606	4	Bolt 3/8-16NC x 3/4 (S/N 0300072295 to S/N 0300087000)	
	4400372	Ref.	HYDRAULIC OIL TANK ASSEMBLY (S/N 0300069000 TO S/N 0300072295)	
101	7014810	1	Filler/Breather Assembly	
	7014811	1	Cap, Breather	
102	7014802	1	Gage, Sight	
103	7014801	2	Strainer	
104	7014800	1	Plug, Magnetic	
	4400454	Ref.	HYDRAULIC OIL TANK ASSEMBLY (S/N 0300072295 TO S/N 0300087000)	
151	7024439	1	Cover	
152	7024440	1	Gasket	
153	7024441	1	Gauge, Sight	
154	7024442	1	Strainer 1-1/4inNPT	
155	7024443	1	Neck, Fill	
	7024445	1	Screen	
156	7024444	1	Breather/Fill Cap	
157	7024446	1	Plug, Magnetic	
	0255524	Ref.	LP TANK BRACKETS INSTALLATION	
200		1	Tank, LP Options:	
	4400275		Aluminum	
	4400420		Steel	
201	1320220	2	Clamp	
	1320127	2	Clamp, Toggle (1 Per Clamp)	
202	2720144	2	Hose	
203	0100020	A/R	Sealant, Pipe	
204	2221019	1	Fitting, Reducer	
205	2180125	1	Fitting, 90° Swivel	
206	2220261	1	Fitting, Nipple	
207	2180388	1	Fitting, Bulkhead	
208	2180389	1	Valve, Relief	
209	2220418	1	Fitting, Tee	
210	2180387	2	Fitting, Straight	
211	0641606	8	Bolt 3/8in-16NC x 3/4in	
212	4751600	8	Flatwasher 3/8in Regular	
213	2180418	2	Fitting, Connector	
214	2221018	1	Fitting, Nipple	
215	1320218	2	Clamp, Spring	
216	3910808	2	Screw #8-32NC x 1/2in	
217	4750800	4	Flatwasher #8 Regular	
218	3310805	2	Locknut #8-32NC	

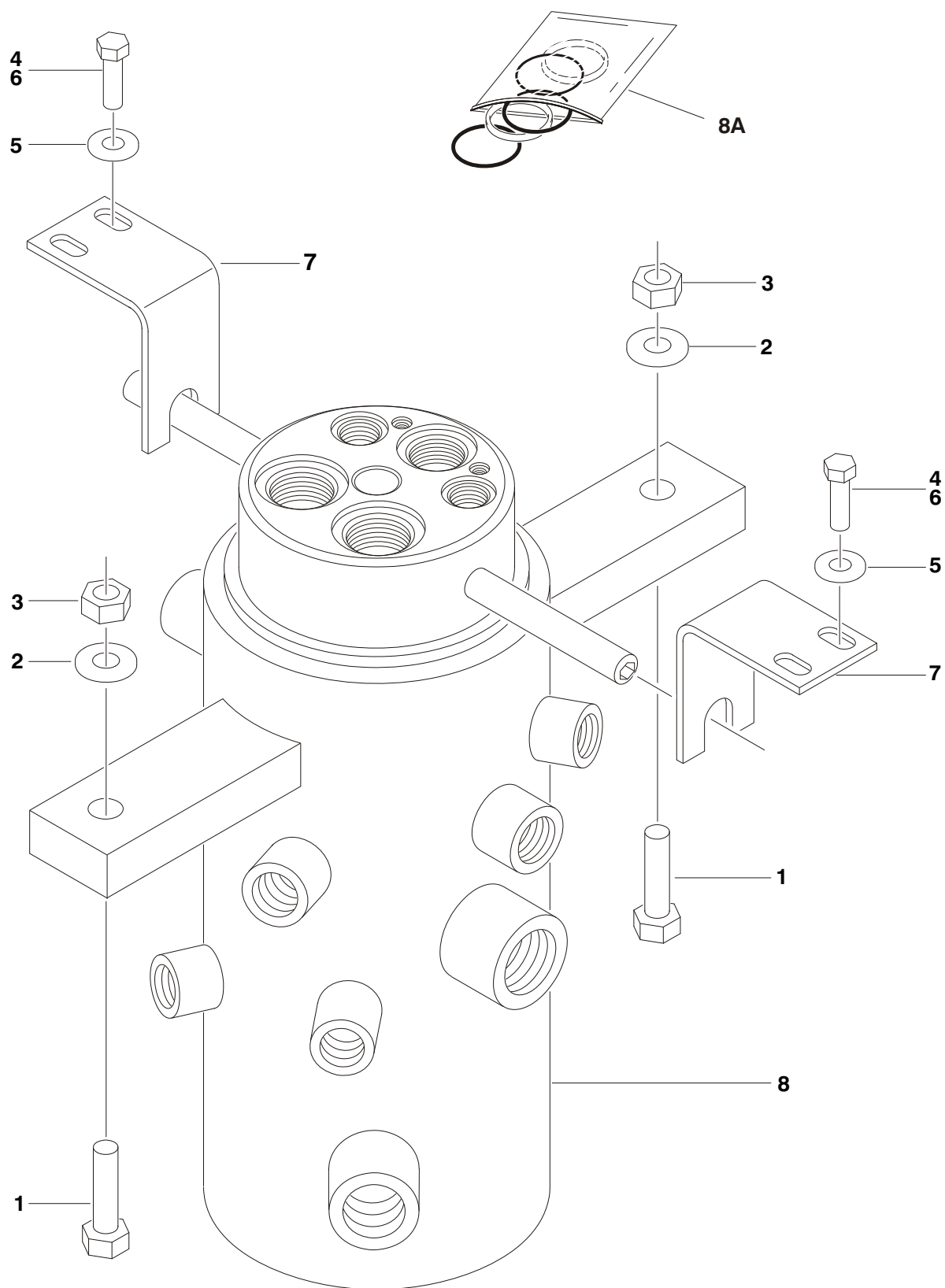
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FIGURE 2-16. TANK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
219	0181949	2	Angle, Support	
220	2221024	2	Fitting, Union Ball Check	
221	0362519	4	Bar	

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FIGURE 2-17. ROTARY COUPLING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)



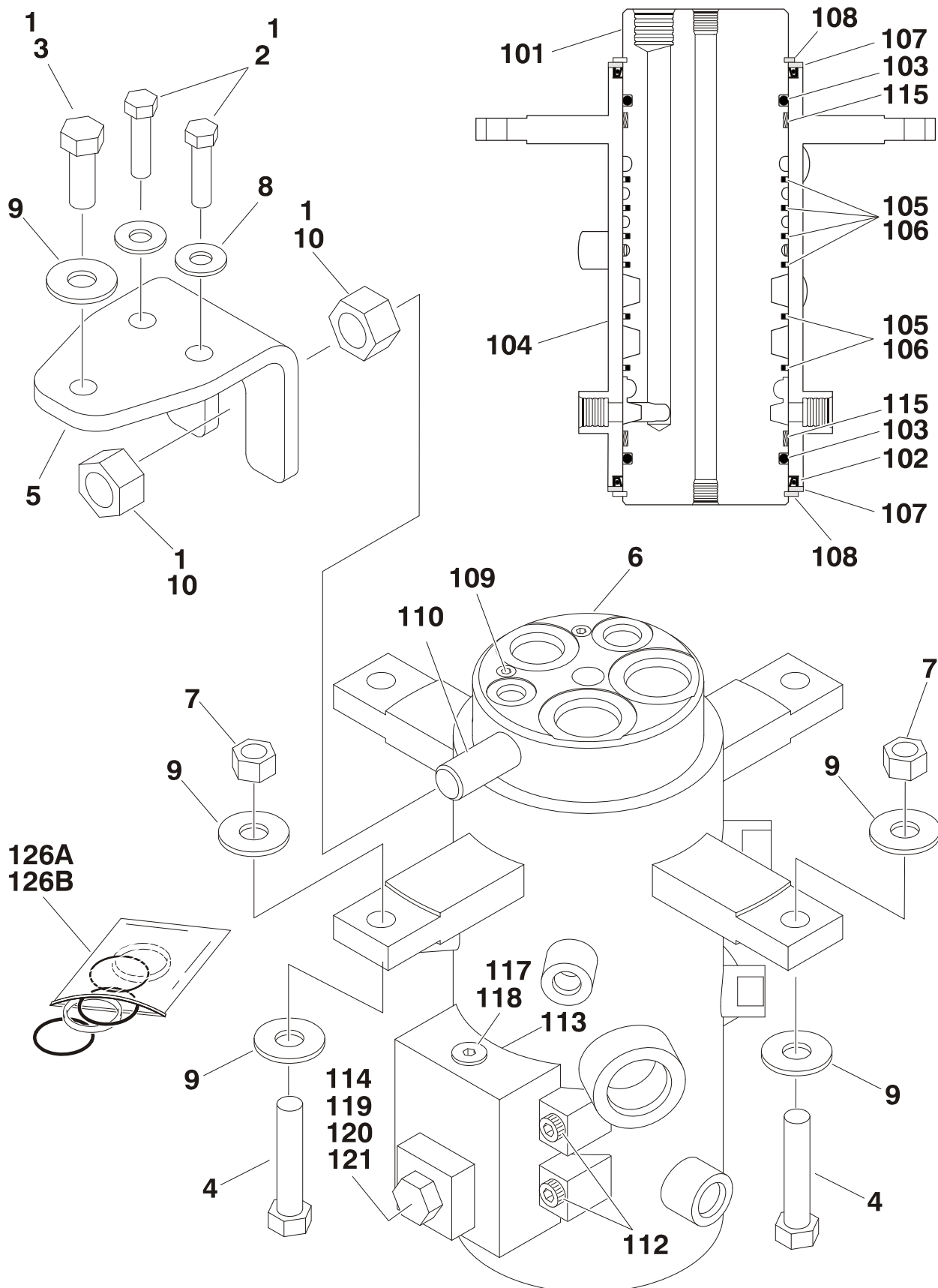
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FIGURE 2-17. ROTARY COUPLING INSTALLATIONS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ROTARY COUPLING INSTALLATIONS	
	0255262	Ref.	2WS	5
	0255294	Ref.	4WS	2
1	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
2	4751800	4	Flatwasher 1/2in Regular	
3	3311805	2	Locknut 1/2in-13NC	
4	0641611	4	Bolt 3/8in-16NC x 1-3/8in	
5	4751600	4	Flatwasher 3/8in Regular	
6	0100011	A/R	Compound, Locking	
7	0902520	2	Bracket	
8		1	Coupling, Rotary Options:	
	1660219		2WS	
	1660223		4WS	
8A		1	Seal Kit Options:	
	7013187		2WS	
	7016342		4WS	
		1	Rebuilt Coupling Options:	
	1660219RR		2WS	
	1660223RR		4WS	

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FIGURE 2-18. ROTARY COUPLING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)



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FIGURE 2-18. ROTARY COUPLING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ROTARY COUPLING INSTALLATIONS	
	0273052	Ref.	2WS	D
	0273161	Ref.	4WS	D
1	0100011	A/R	Compound, Locking	
2	0641612	2	Bolt 3/8in-16NC x 1-1/2in	
3	0641811	1	Bolt 1/2in-13NC x 1-3/8in	
4	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
5	0903056	1	Bracket	
6		1	Coupling, Rotary Options (See Items 101-121 for Breakdown):	
			2WS	
	Use 1660303		Original Equipment (was p/n 1660257)	
	1660303		Service Replacement	
		Ref.	Note: Original Equipment Rotary may have been replaced with Service Replacement Rotary. Identify p/n stamped on rotary before ordering parts.	
			4WS	
	Use 1660304		Original Equipment (was p/n 1660258)	
	1660304		Service Replacement	
		Ref.	Note: Original Equipment Rotary may have been replaced with Service Replacement Rotary. Identify p/n stamped on rotary before ordering parts.	
7	3271805	2	Locknut 1/2in-13NC	
8	4751600	2	Flatwasher 3/8in Regular	
9	4751800	5	Flatwasher 1/2in Regular	
10	3322201	2	Nut 3/4in-16NC	
		Ref.	ROTARY COUPLING ASSEMBLIES	
		Ref.	2WS	
	1660257	Ref.	Original Equipment	D
	1660303	Ref.	Service Replacement	B
		Ref.	4WS	
	1660258	Ref.	Original Equipment	D
	1660304	Ref.	Service Replacement	A
101	See Note	1	Body (Note: Not Available - Purchase Complete Assy)	
102		2	Seal Options:	
			2WS	
	7026189		Original Equipment (p/n 1660257)	
	See Note		Service Replacement (p/n 1660303) (Note: Use Item 126A)	
	See Note		4WS (Note: Use Item 126B)	
103	See Note	2	O-Ring (Note: Use Items 126A or 126B)	
104	See Note	1	Housing (Note: Not Available - Purchase Complete Assy)	
105	See Note	A/R	Seal, Cap (Note: Use Items 126A or 126B)	
		6	2WS	
		9	4WS	

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FIGURE 2-18. ROTARY COUPLING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
106	See Note	A/R	O-Ring (Note: Use Items 126A or 126B)	
		6	2WS	
		9	4WS	
107		2	Ring Options:	
	7026503		2WS	
	7026511		4WS	
108		2	Ring, Retaining Options:	
	7026504		2WS	
	7013189		4WS	
109		A/R	Plug Options:	
		2	2WS	
	See Note		Original Equipment (Note: Not Available for Purchase)	
	80934561		Service Replacement	
		4	4WS	
	See Note		Original Equipment (Note: Not Available for Purchase)	
	80934561		Service Replacement	
110	See Note	1	Lug, Torque (Note: Not Available for Purchase)	
111	Not Used			
112	7026197	4	Bolt 5/16in-18NC x 1-1/4in	
113	See Note	3	O-Ring (Note: Use Items 126A or 126B)	
114	See Note	1	O-Ring (Note: Use Items 126A or 126B)	
115	See Note	2	Bearing (Note: Use Items 126A or 126B)	
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		Original Equipment	
	7024404		Service Replacement	
121	7026509	1	Spring, Compression	
122	See Note	A/R	Protective Netting (Not Shown) (Original Equipment Only) (Note: Not Available for Purchase)	
123 to 125	Not Used			
		1	Seal Kit Options:	
126A			2WS	
	7026510		Original Equipment (Includes Items 103,105,106,113,114 & 115)	
	70001248		Service Replacement (Includes Items 102,103,105,106,113,114 & 115)	
126B		1	4WS	
	7026512		Original Equipment (Includes Items 102,103,105,106,113,114 & 115)	
	Use 70002212		Service Replacement (Includes Items 102,103,105,106,113,114 & 115) (was p/n 70001249)	

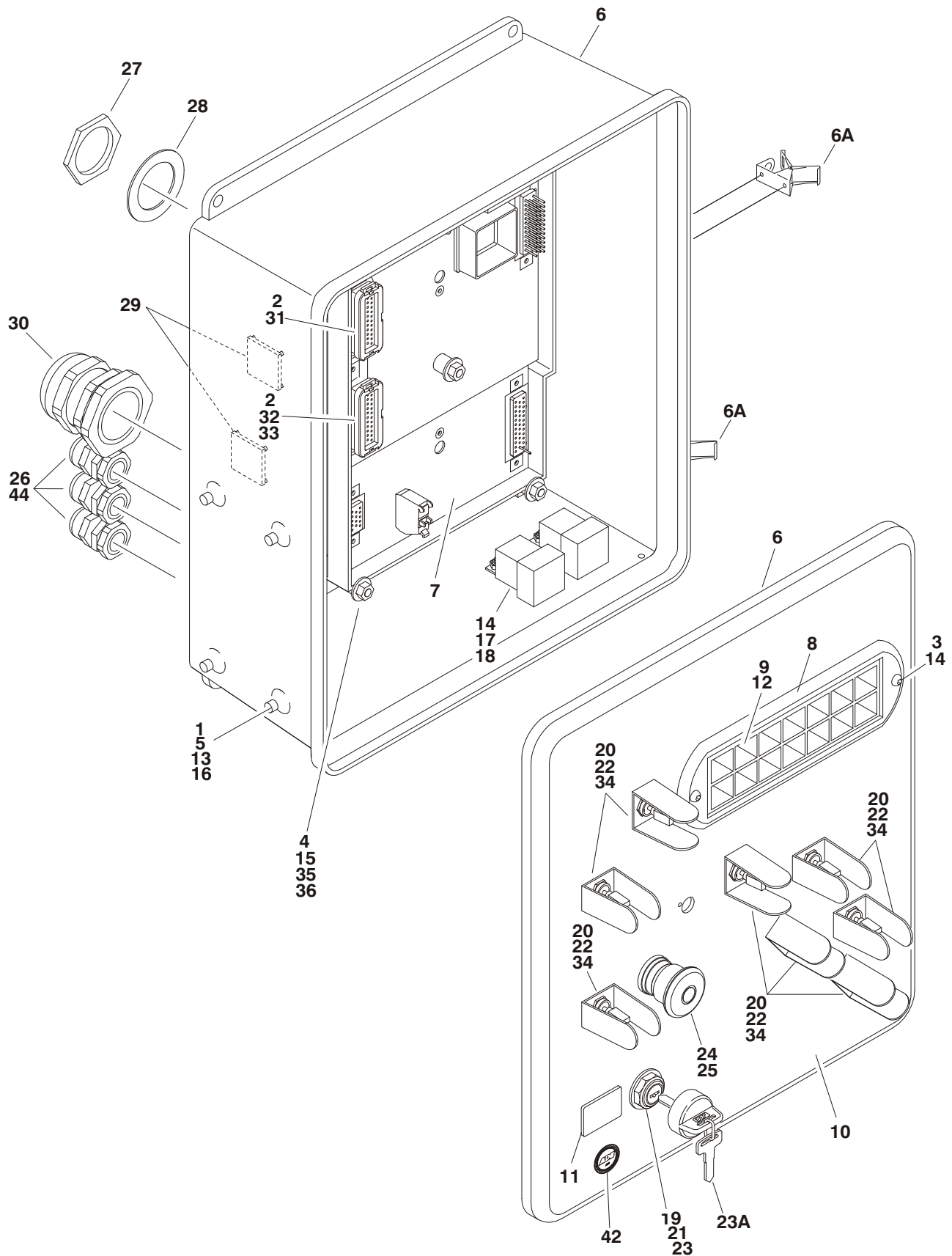
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FIGURE 2-18. ROTARY COUPLING INSTALLATIONS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-19. GROUND CONTROL BOX ASSEMBLIES



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FIGURE 2-19. GROUND CONTROL BOX ASSEMBLIES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	GROUND CONTROL BOX ASSEMBLIES	
		Ref.	Caterpillar Engine Machines	
	0861617	Ref.	600A S/N 0300069000 to S/N 0300084829	C
	0861700	Ref.	600A S/N 0300084829 to S/N 0300087000	A
	0861618	Ref.	600AJ S/N 0300069000 to S/N 0300084829	C
	0861701	Ref.	600AJ S/N 0300084829 to S/N 0300087000	A
		Ref.	Deutz Engine Machines	
	0861470	Ref.	600A Non UL Spec S/N 0300069000 to S/N 0300084829	G
	0861689	Ref.	600A Non UL Spec S/N 0300084829 to S/N 0300087000	A
	0861664	Ref.	600A UL Spec	A
	0861471	Ref.	600AJ Non UL Spec S/N 0300069000 to S/N 0300084829	G
	0861690	Ref.	600AJ Non UL Spec S/N 0300084829 to S/N 0300087000	A
	0861665	Ref.	600AJ UL Spec	A
		Ref.	Ford Engine Machines	
	0861468	Ref.	600A S/N 0300069000 to S/N 0300084829	G
	0861704	Ref.	600A S/N 0300084829 to S/N 0300087000	A
	0861469	Ref.	600AJ S/N 0300069000 to S/N 0300084829	G
	0861705	Ref.	600AJ S/N 0300084829 to S/N 0300087000	A
1	0100011	A/R	Compound, Locking	
2	0100048	A/R	Grease, Dielectric	
3	0630518	2	Capscrew, Button Head	
4	0630548	5	Tap, Bolt 2-1/2in	
5	0641506	4	Bolt 5/16in-18NC x 3/4in	
6	0861407	1	Box, Fiberglass	
6A	7020246	2	Latch	
7		1	Module, Ground Control (Re-calibration Required when Replaced) Options:	
	Use 2915014		Caterpillar/Deutz/Ford Engine - Non UL Specs (S/N 0300069000 to S/N 0300077490) (Was p/n 1600327)	
	1600364		Caterpillar/Ford Engine - Non UL Specs (S/N 0300077490 to S/N 0300087000)	
	1600364		Deutz Engine - Non UL Spec (S/N 0300077490 to S/N 0300084829)	
	1600411		Deutz Engine - Non UL Spec (S/N 0300084829 to S/N 0300087000)	
	1600364		Deutz Engine - UL Machines	
8	1670829	1	Bezel	
9		1	Decal - Ground Control Display Options:	
	1702610		Non UL Machines (S/N 0300069000 to S/N 0300084829)	
	1705753		Non UL Machines (S/N 0300084829 to S/N 0300087000)	
	1702610		UL Machines	
10		1	Decal - Faceplate Options:	
	1703467		600A	
	1703468		600AJ	
11	2420172	1	Gauge, Hourmeter	
12	2760105	1	Housing, Display Light	
13	3300205	4	Nut, Retainer	
14	3300408	A/R	Locknut, Plastic Insert	
15	3311401	A/R	Nut 1/4in-20NC	

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FIGURE 2-19. GROUND CONTROL BOX ASSEMBLIES (CONTINUED)

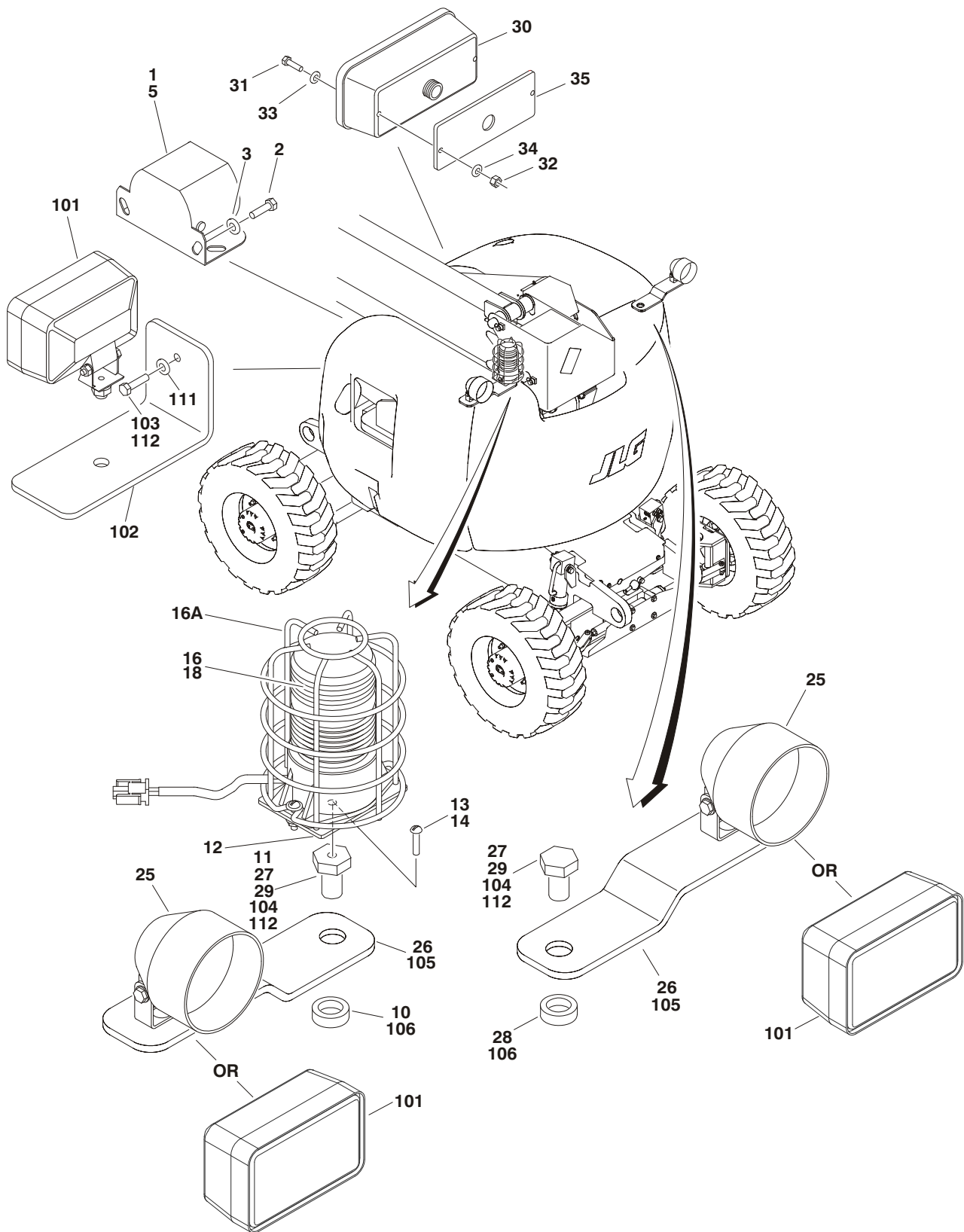
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
16	3539219	1	Plate, Reinforcement	
17	3740049	A/R	Relay	
18	3900268	2	Screw, Flange #10 x 1/2in	
19	3910804	6	Screw #8-32NC x 1/4in	
20	4060906	8	Shield, Toggle Switch	
21	4070987	1	Shim (.125in)	
22	4360328	8	Switch, Toggle	
23	4360469	1	Switch, Key	
23A	2860030	1	Key Replacement	
24	4360475	1	Switch, Emergency Stop	
25	4360476	1	Switch, Contact Block	
26	4460426	A/R	Terminal, Strain Relief	
27	4460470	1	Nut, Terminal	
28	4460471	1	Lockwasher, Terminal	
29	4460488	A/R	Mounting Base, Terminal	
30	4460526	1	Connector, Strain Relief	
31	4460874	1	Connector, Natural	
32	4460875	1	Connector, Gray	
33	4460905	4	Connector, Amp Seal Plug	
34	4740444	A/R	Washer, Special	
35	4751400	20	Flatwasher 1/4in Regular	
36	4761400	A/R	Lockwasher 1/4in	
37 to 39	Not Used			
40	4922666	1	Harness, Analyzer Cable (Not Shown) (S/N 0300069000 to S/N 0300084829)	
41	Not Used			
42	1705132	1	Decal - Control ADE	
43	Not Used			
44	3520035	1	Plug, Cap	

FIGURE 2-19. GROUND CONTROL BOX ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-20. ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)



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FIGURE 2-20. ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270833	Ref.	ALARMS INSTALLATIONS	1
1	0257887	1	Alarm/Harness Assembly	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
	4460424	1	Plug	
	4460268	2	Socket	
2	0641406	2	Bolt 1/4in-20NC x 3/4in	
3	4711400	2	Flatwasher 1/4in Thin	
4	Not Used			
5	0100048	A/R	Sealant, Silicone	
6 to 9	Not Used			
	0270805	Ref.	STROBE LIGHT INSTALLATIONS (AMBER) (OPTIONAL)	2
10	4220162	1	Spacer, Stop (Used with ECCO Model 6640 Only)	
11		1	Adapter Options:	
	0630491		Adapter used with ECCO Model 6640	
	0080241		Adapter used with ECCO Model 6650	
12	3539281	1	Plate, Mounting (Used with ECCO Model 6640 Only)	
13	0741606	1	Screw, Flathead Countersunk 3/8in-16NC x 3/4in (Used with ECCO Model 6640 Only)	
14	0100011	A/R	Compound, Locking	
15	4240032	1	Wire-Tie (Not Shown)	
16	Use 0272507	1	Strobe Light/Guard/Harness Assembly (was p/ns 0255917, 2920130 & 2920214) (Includes Item 11 also)	
		1	Bulb, Replacement Options:	
	7016380	1	Bulb, Replacement used with ECCO Model 6640	
	70001941	1	Bulb, Replacement used with ECCO Model 6650	
16A		1	Guard Options:	
	4060907		Guard used with ECCO Model 6640	
	2920215		Guard used with ECCO Model 6650	
17	4460234	1	Clamp (Not Shown)	
18	0100048	A/R	Sealant, Silicone	
19 to 24	Not Used			
	0271552	Ref.	LIGHTS INSTALLATIONS (OPTIONAL)	2
25	2920110	2	Headlight	
26	0902206	2	Bracket, Mounting	
27	0642612	1	Bolt 1in-8NC x 1-1/2in (Note: Use Item 11 if Strobe Light uses the same mount)	
28	4220162	2	Spacer	
29	0100011	A/R	Compound, Locking	
30	2920113	2	Taillight	
31	3911040	4	Screw, Machine #10-24NC x 2 1/2	
32	3311005	4	Nut #10-24NC	
33	4751000	4	Flatwasher #10 Regular	
34	4740362	4	Washer, Fender	

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FIGURE 2-20. ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)

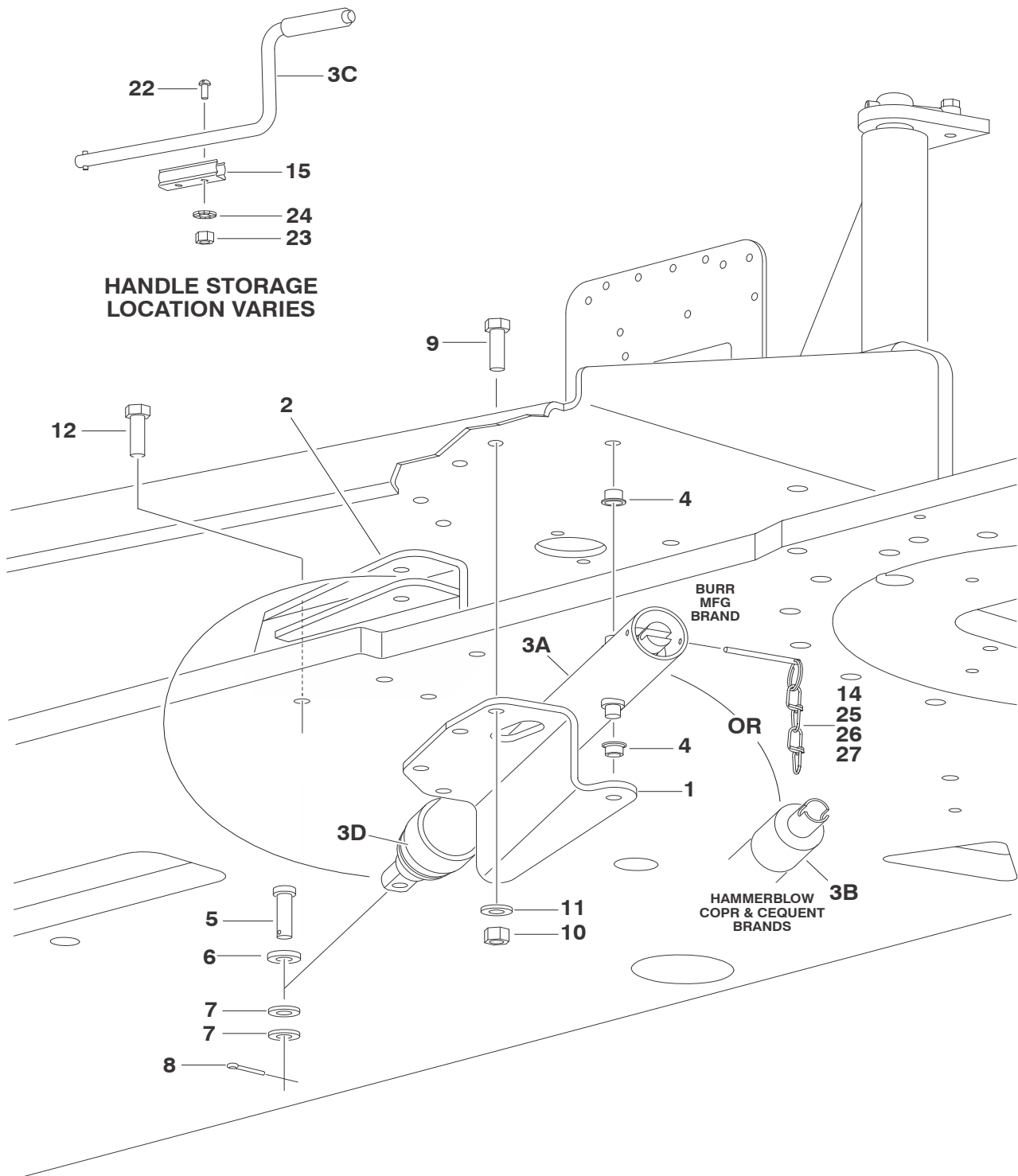
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
35	3960461	2	Gasket	1/A
36	Not Used			
37	4240032	21	Tie-Strap (Not Shown)	
38	4460234	21	Mount, Tie-Strap (Not Shown)	
39	4360336	1	Switch, Toggle (Not Shown - Located on Console)	
40	3790012	1	O- Ring (Not Shown - Located on Console)	
41	3820001	11	Pop Rivet (Not Shown)	
	0274200	Ref.	CHASSIS ILLUMINATION LIGHT INSTALLATION	
101	2920157	4	Lamp, Worklight	
102	0903119	2	Bracket, Light Mounting	
103	0642612	4	Bolt 1/4in-20NC x 7/8in	
104	0642612	2	Bolt 1in-8NC x 1-1/2in (Note: Use Item 11 if Strobe Light uses the same mount)	
105	0902206	2	Bracket, Light Mounting	
106	4220162	2	Spacer	
107	Not Used			
108	3790012	1	O-Ring (Not Shown - Located at Platform Console Box)	
109	4360336	1	Switch, Toggle (Not Shown - Located at Platform Console Box)	
110	4460234	10	Mount, Cable (Not Shown)	
111	4751400	2	Flatwasher 1/4in Regular	
112	0100011	A/R	Compound, Locking	
113	4240032	21	Strap, Tie (Not Shown)	
114	1705170	1	Decal, Lights (Not Shown - Located at Platform Console Box)	

FIGURE 2-20. ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-21. ENGINE TRAY JACK INSTALLATIONS (OPTIONAL)



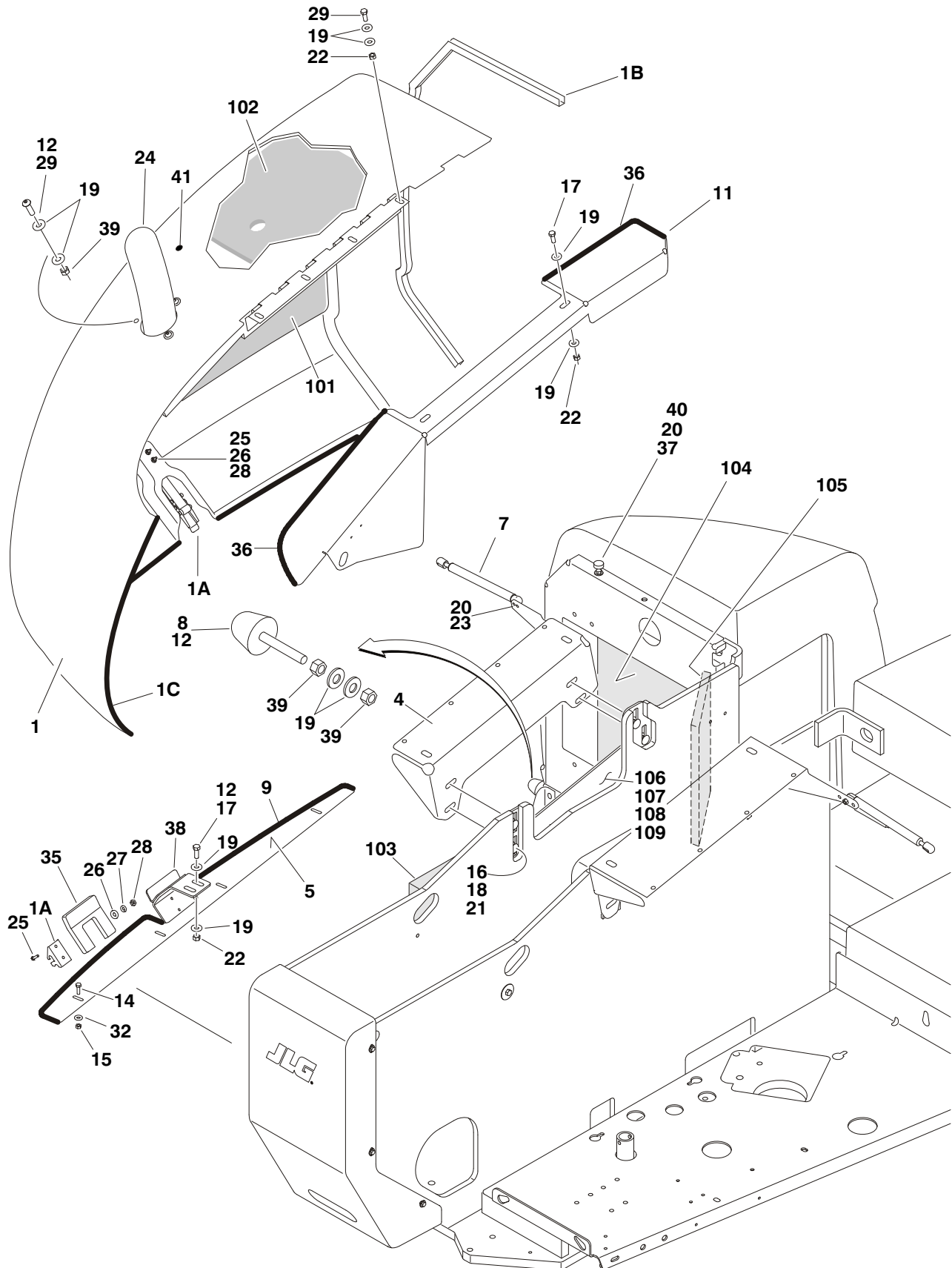
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FIGURE 2-21. ENGINE TRAY JACK INSTALLATIONS (OPTIONAL)

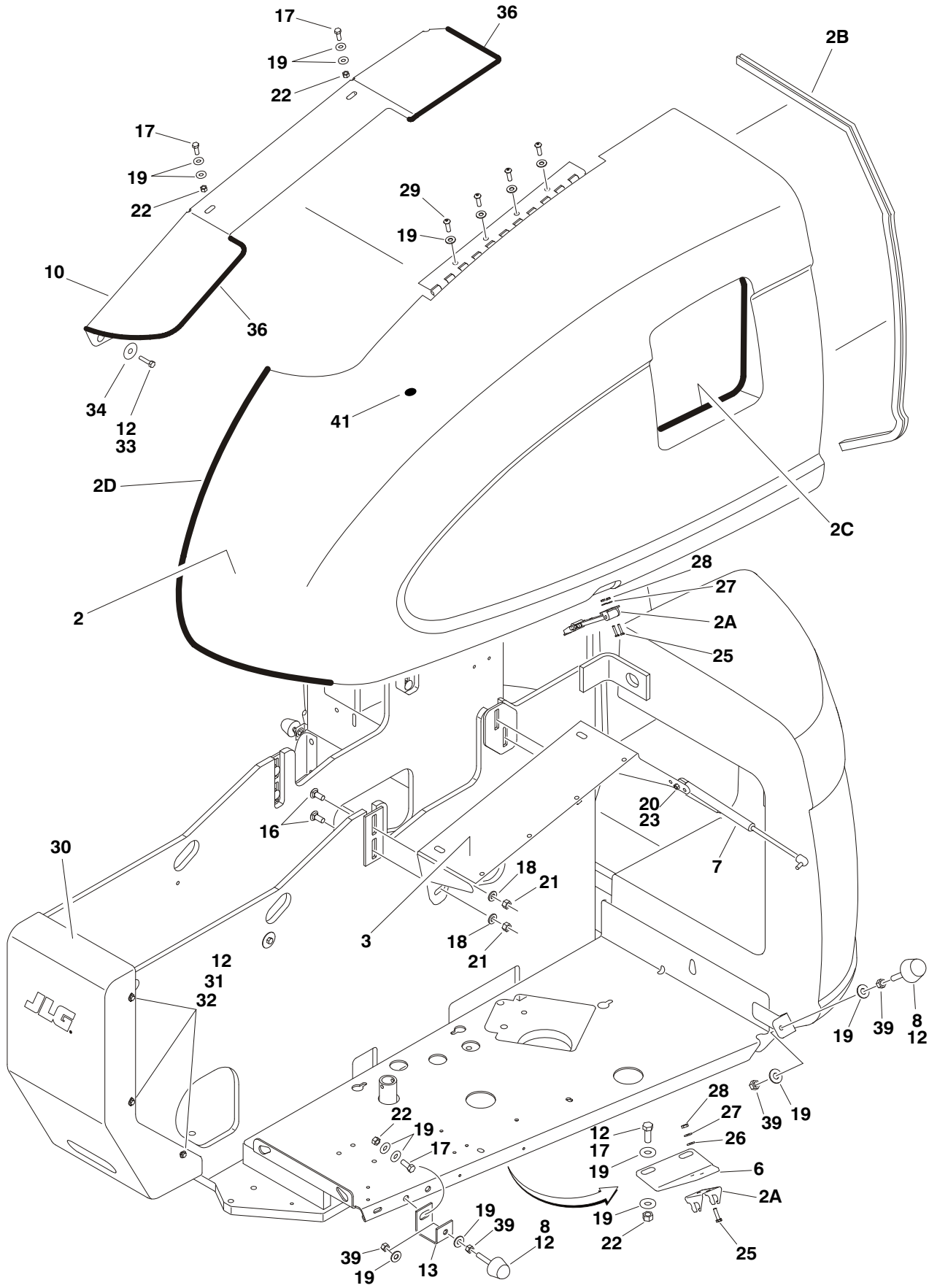
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0255880	Ref.	ENGINE TRAY JACK INSTALLATION	6/H
1	3537445	1	Bracket	
2	4845163	1	Bracket	
3	2840018	1	Jack and Handle Assembly Options:	
3A			Burr Manufacturing Brand	
3B			Hammerblow Corp & Cequent Brands	
3C		1	Handle Options:	
	7016374		Burr Manufacturing Brand	
	7024598		Hammerblow Corp & Cequent Brands	
3D	7016322	1	Wiper (Burr Manufacturing Brand Only)	
4	0962051	2	Bushing, Flanged	
5	3430816	1	Pin, Clevis	
6	4891800	1	Flatwasher 1/2in Hardened	
7	4711800	A/R	Flatwasher 1/2in Thin	
8	3450404	1	Pin, Cotter 1/8in x 1in	
9	0641609	4	Bolt 3/8in-16NC x 1-1/8in	
10	3311605	4	Locknut 3/8in-16NC	
11	4891600	4	Flatwasher 3/8in Hardened	
12	0641810	4	Bolt 1/2in-13NC x 1-1/4in	
13	Not Used			
14	3422530	1	Pins & Chain (S/N 0300069000 to S/N 0300070917)	
15	1380147	1	Clip, Spring	
16 to 21	Not Used			
22	3910608	2	Screw #6-32NC x 1in	
23	3310601	2	Nut #6-32NC	
24	4770600	2	Starwasher #6	
25	0641406	1	Bolt 1/4in-20NC x 3/4in (S/N 0300069000 to S/N 0300070917)	
26	4751400	2	Flatwasher 1/4in Regular (S/N 0300069000 to S/N 0300070917)	
27	3311405	1	Locknut 1/4in-20NC (S/N 0300069000 to S/N 0300070917)	

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FIGURE 2-22. HOODS INSTALLATIONS



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FIGURE 2-22. HOODS INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	HOODS INSTALLATIONS	
	0256821	Ref.	CATERPILLAR/DEUTZ ENGINE NON UL MACHINES	4
	0258579	Ref.	DEUTZ ENGINE UL MACHINES	1
	0256933	Ref.	FORD ENGINE NON UL MACHINES (S/N 0300069000 TO S/N 0300079888)	5
	0274204	Ref.	FORD ENGINE NON UL MACHINES (S/N 0300079888 TO S/N 0300087000)	1
	0258580	Ref.	FORD ENGINES UL MACHINES	1
1		1	Hood - Engine Side Options:	
	2680440		Caterpillar/Deutz Engine Non UL Machines	
	2680466		Deutz Engine UL Machines	
	2680442		Ford Engine Non UL Machines (S/N 0300069000 to S/N 0300079888)	
	1671179		Ford Engine Non UL Machines (S/N 0300079888 to S/N 0300087000)	
	2680447		Ford Engine UL Machines	
1A	2940088	1	Latch, Hood	
1B	3960462	A/R	Trim	
1C	3960389	A/R	Seal	
2	Use 1671216	1	Hood - Tank Side (was p/n 2680441)	
2A	2940088	1	Latch, Hood	
2B	3960462	A/R	Trim	
2C	3960438	A/R	Trim	
2D	3960389	A/R	Seal	
3	4845203	1	Mount - Tank Side	
4	4845414	1	Mount - Engine Side	
5	3539923	1	Plate, Seal	
6	0902242	1	Bracket, Latch - Tank Side	
7	4160143	2	Spring, Gas	
8	0940071	4	Bumper	
9	Not Used			
10	2680434	1	Spacer, Hood (Tank Side)	
11	2680433	1	Spacer, Hood (Engine Side)	
12	0100011	A/R	Compound, Locking	
13	0902219	1	Bracket, Bumper	
14	0641407	4	Bolt 1/4in-20NC x 7/8in	
15	3311405	4	Locknut 1/4in-20NC	
16	0630507	8	Bolt, Carriage 1/2in-13NC x 1-1/4in	
17	0641608	11	Bolt 3/8in-16NC x 1in	
18	4740171	8	Flatwasher 1/2in Hardened	
19	4751600	40	Flatwasher 3/8in Regular	
20	4751500	A/R	Flatwasher 5/16in Regular	
21	3311805	8	Locknut 1/2in-13NC	
22	3311605	A/R	Locknut 3/8in-16NC	
23	3311505	2	Locknut 5/16in-18NC	
24		1	Outlet, Exhaust Options:	
	4845194		Caterpillar/Deutz Engine Machines	
	4845194		Ford Engine Machines (S/N 0300069000 to S/N 0300079888)	
	3460420		Ford Engine Machines (S/N 0300079888 to S/N 0300087000)	

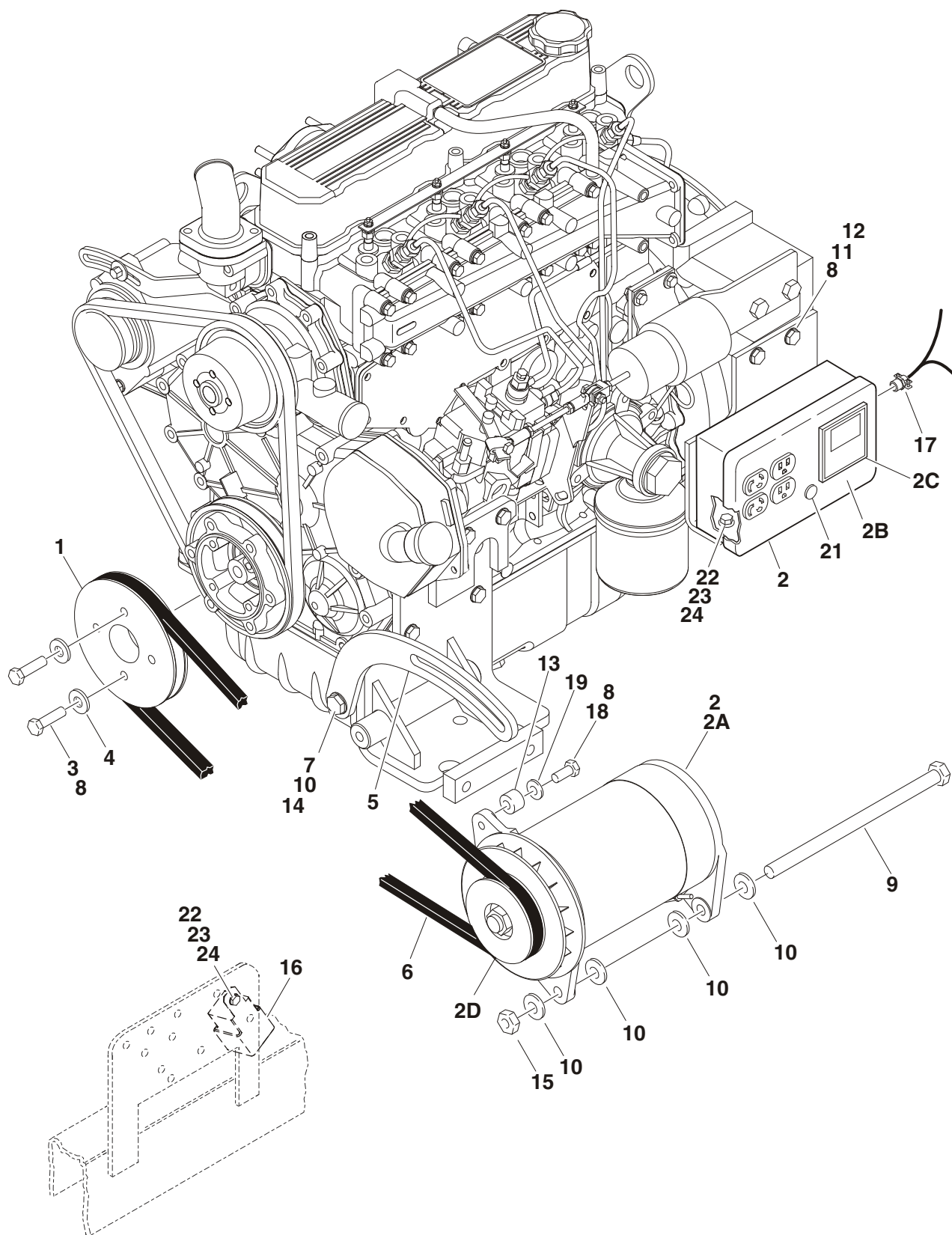
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FIGURE 2-22. HOODS INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	0721006	4	Bolt #10-24NC x 3/4in	
26	4751000	4	Flatwasher #10 Regular	
27	4761000	4	Lockwasher #10	
28	3311001	4	Bolt #10-24NC	
	3311005	4	Locknut #10-24NC	
29	3900232	11	Bolt, Button Head 3/8in-16NC x 1in	
30	1670767	1	Cover, Turntable	
31		6	Bolt Options:	
	0641404		Bolt 1/4in-20NC x 1/2in - Caterpillar/Deutz Engine Machines	
	0641404		Bolt 1/4in-20NC x 1/2in - Ford Engine Machines (S/N 0300069000 to S/N 0300079888)	
	0641405		Bolt 1/4in-20NC x 3/4in - Ford Engine Machines (S/N 0300079888 to S/N 0300087000)	
32	4751400	A/R	Flatwasher 1/4in Regular	
33	Not Used			
34	4740076	2	Washer, Fender	
35	3960467	1	Seal, Foam	
36	3960418	7ft/2.1m	Seal	
37	0940049	1	Bumper	
38	0902335	1	Bracket, Latch - Engine Side	
39	3311601	11	Nut 3/8in-16NC	
40	3311501	2	Nut 5/16in-18NC	
41	3520033	2	Plug	
	0256822	Ref.	NOISE REDUCTION INSTALLATION	—
101	2820076	1	Foam, Acoustical	
102	2820077	1	Foam, Acoustical	
103	2820078	1	Foam, Acoustical	
104	2820082	1	Foam, Acoustical	
105	2820083	1	Foam, Acoustical	
106	3539988	1	Plate, Baffle	
107	0641606	5	Bolt 3/8in-16NC x 3/4in	
108	4751600	5	Flatwasher 3/8in Regular	
109	0100011	A/R	Compound, Locking	

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FIGURE 2-23. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)



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FIGURE 2-23. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	GENERATOR INSTALLATION OPTIONS:	
	0273518	Ref.	110V/60Hz (S/N 0300069000 to S/N 0300081836)	2/B
	0274081	Ref.	110V/60Hz (S/N 0300081836 to S/N 0300087000)	1/A
	0273538	Ref.	110V/50Hz (S/N 0300069000 to S/N 0300081836)	2/B
	0274091	Ref.	110V/50Hz (S/N 0300081836 to S/N 0300087000)	1/A
	0273539	Ref.	220V/50Hz (S/N 0300069000 to S/N 0300081836)	2/B
	0274087	Ref.	220V/50Hz (S/N 0300081836 to S/N 0300087000)	1/A
1	3580322	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460032		110V/60Hz (S/N 0300069000 to S/N 0300081836)	
	2460055		110V/60Hz (S/N 0300081836 to S/N 0300087000)	
	2460039		110V/50Hz (S/N 0300069000 to S/N 0300081836)	
	2460057		110V/50Hz (S/N 0300081836 to S/N 0300087000)	
	2460013		220V/50Hz (S/N 0300069000 to S/N 0300081836)	
	2460056		220V/50Hz (S/N 0300081836 to S/N 0300087000)	
2A	7012558	1	Generator Only - 110V/60Hz	
	2460049	1	Generator Only - 110V/50Hz	
	1001100321	1	Generator Only - 220V/50Hz	
		Ref.	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
		1	Armature with Slip Rings Options:	
	7026199		Armature with Slip Rings - 110V/60Hz	
	70000122		Armature with Slip Rings - 110V/50Hz	
	70000123		Armature with Slip Rings - 220V/50Hz	
	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 - 110V/60Hz (S/N 0300069000 to S/N 0300081836)	
	7019680	1	Box, Control - 110V/60Hz (S/N 0300081836 to S/N 0300087000)	
	70002239	1	Box, Control - 110V/50Hz (S/N 0300069000 to S/N 0300081836)	
	7019680	1	Box, Control - 110V/50Hz (S/N 0300081836 to S/N 0300087000)	
	70002235	1	Box, Control - 220V/50Hz (S/N 0300069000 to S/N 0300081836)	
	70000127	1	Box, Control - 220V/50Hz (S/N 0300081836 to S/N 0300087000)	
		A/R	Receptacle Options:	
	4460190	1	Receptacle, Standard (110V Only)	
	4460027	1	Receptacle, Twistlock (110V Only)	
	70000124	1	Receptacle, Double (220V/50Hz Only)	
	70000125	1	Receptacle, Single (220V/50Hz Only)	

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FIGURE 2-23. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
2B Cont'd	4360542	1	Breaker, Circuit Options:	
	70002240		Breaker 110V/60Hz	
			Breaker 110V/50Hz (S/N 0300069000 to S/N 0300081836)	
	4360542		Breaker 110V/50Hz (S/N 0300081836 to S/N 0300087000)	
	70000126		Breaker 220V/50Hz	
	2920162		Lamp (S/N 0300069000 to S/N 0300081836 Only)	
2C	7020191	1	Switch, Toggle (S/N 0300069000 to S/N 0300081836 Only)	
	3520028	1	Plug, Hole	
		1	Voltmeter Options:	
	2420203		Voltmeter - 110V	
2D	7020192		Voltmeter - 220V	
		1	Pulley Options:	
	3580276		Pulley - 60Hz	
	3580134		Pulley - 50Hz	
	7027887	1	Key, Woodruff	
	0480120		110V/50Hz	
	0480120		220V/50Hz	
3	0700816	4	Bolt M8 x 40mm	
4	4811900	4	Flatwasher M8	
5		1	Arm, Adjusting Options:	
	0200742		S/N 0300069000 to S/N 0300074395	
6	0200819		S/N 0300074395 to S/N 0300087000	
		1	V-Belt Options:	
	0480121		110V/60Hz	
	0480120		110V/50Hz	
	0480120		220V/50Hz	
7	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
8	0100011	A/R	Compound, Locking	
9	0641772	1	Bolt 7/16in-14NC x 9in	
10	4751600	6	Flatwasher 3/8in Regular	
11	3574684	1	Plate, Box Mounting	
12	0761210	2	Bolt M12 x 20mm	
13		1	Bushing, Spacer Options:	
	0962653		S/N 0300069000 to S/N 0300074395	
	0962563		S/N 0300074395 to S/N 0300087000	
14	3311605	1	Locknut 3/8in-16NC	
15	3311705	1	Locknut 7/16in-14NC	
16	3740080	1	Relay	
17	4460023	1	Connector, Strain Relief (S/N 0300069000 to S/N 0300081836)	
18	0641508	1	Bolt 5/16in-18NC x 1in	
19	4751500	1	Flatwasher 5/16in Regular	
20	Not Used			
21	3520028	1	Plug, Hole	
22	0721006	A/R	Bolt #10-24NC x 3/4in	
23	3311005	A/R	Locknut #10-24NC	
24	4751000	A/R	Flatwasher #10 Regular	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	

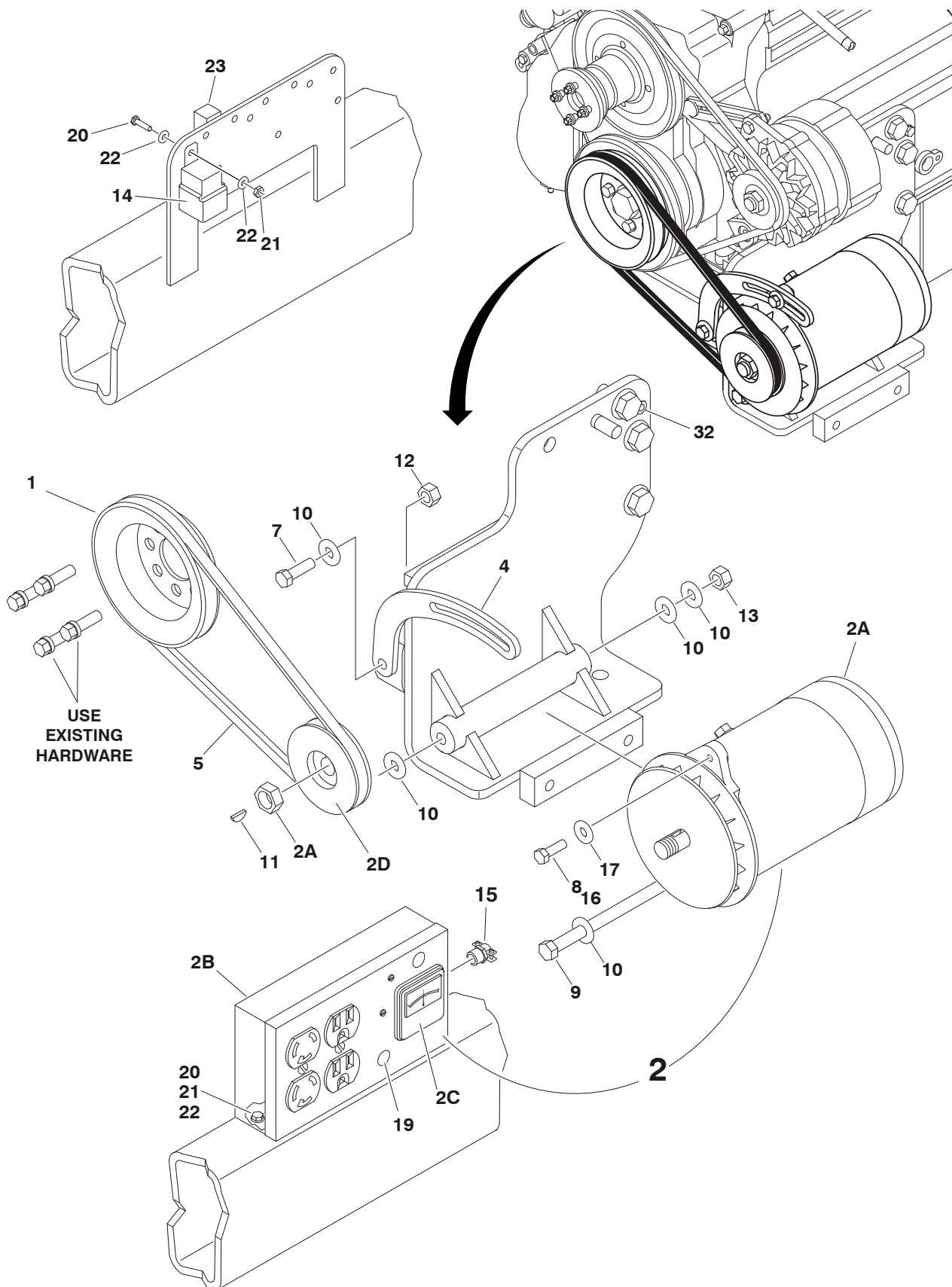
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FIGURE 2-23. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
26	4740397	1	Bushing (Not Shown - Located at Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28	Not Required	1	Decal - Voltage Options (Not Shown - Located at Platform):	
	1705325		110V/60Hz (ANSI & ANSI Export Specs)	
	3252507		110V/50Hz (CE Spec)	
			220V/50Hz (ANSI Export, Australian & CE Specs)	
29	2820031	A/R	Heatshrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	

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FIGURE 2-24. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)



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FIGURE 2-24. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	GENERATOR INSTALLATIONS	
	0272480	Ref.	110V Generator (S/N 0300069000 to S/N 0300081836)	2
	0274082	Ref.	110V Generator (S/N 0300081836 to S/N 0300087000)	1
	0272481	Ref.	220V Generator (S/N 0300069000 to S/N 0300081836)	2
	0274086	Ref.	220V Generator (S/N 0300081836 to S/N 0300087000)	1
1	3580158	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460032		110V/60Hz (S/N 0300069000 to S/N 0300081836)	
	2460055		110V/60Hz (S/N 0300081836 to S/N 0300087000)	
	2460013		220V/50Hz (S/N 0300069000 to S/N 0300081836)	
	2460056		220V/50Hz (S/N 03000S/N 0300081836 to S/N 0300087000)	
2A	7012558	1	Generator Only - 110V/60Hz	
	1001100321	1	Generator Only - 220V/50Hz	
		Ref.	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
		1	Armature with Slip Rings Options:	
	7026199		Armature with Slip Rings - 110V/60Hz	
	70000123		Armature with Slip Rings - 220V/50Hz	
	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 - 110V/60Hz (S/N 0300069000 to S/N 0300081836)	
	7019680	1	Box, Control - 110V/60Hz (S/N 0300081836 to S/N 0300087000)	
	70002235	1	Box, Control - 220V/50Hz (S/N 0300069000 to S/N 0300081836)	
	70000127	1	Box, Control - 220V/50Hz (S/N 0300081836 to S/N 0300087000)	
		A/R	Receptacle Options:	
	4460190	1	Receptacle, Standard (110V Only)	
	4460027	1	Receptacle, Twistlock (110V Only)	
	70000124	1	Receptacle, Double (220V/50Hz Only)	
	70000125	1	Receptacle, Single (220V/50Hz Only)	
		1	Breaker, Circuit Options:	
	4360542		Breaker 110V/60Hz	
	70000126		Breaker 220V/50Hz	
	2920162	1	Lamp (S/N 0300069000 to S/N 0300081836 Only)	
	7020191	1	Switch, Toggle (S/N 0300069000 to S/N 0300081836 Only)	
	3520028	1	Plug, Hole	

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**FIGURE 2-24. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)
(CONTINUED)**

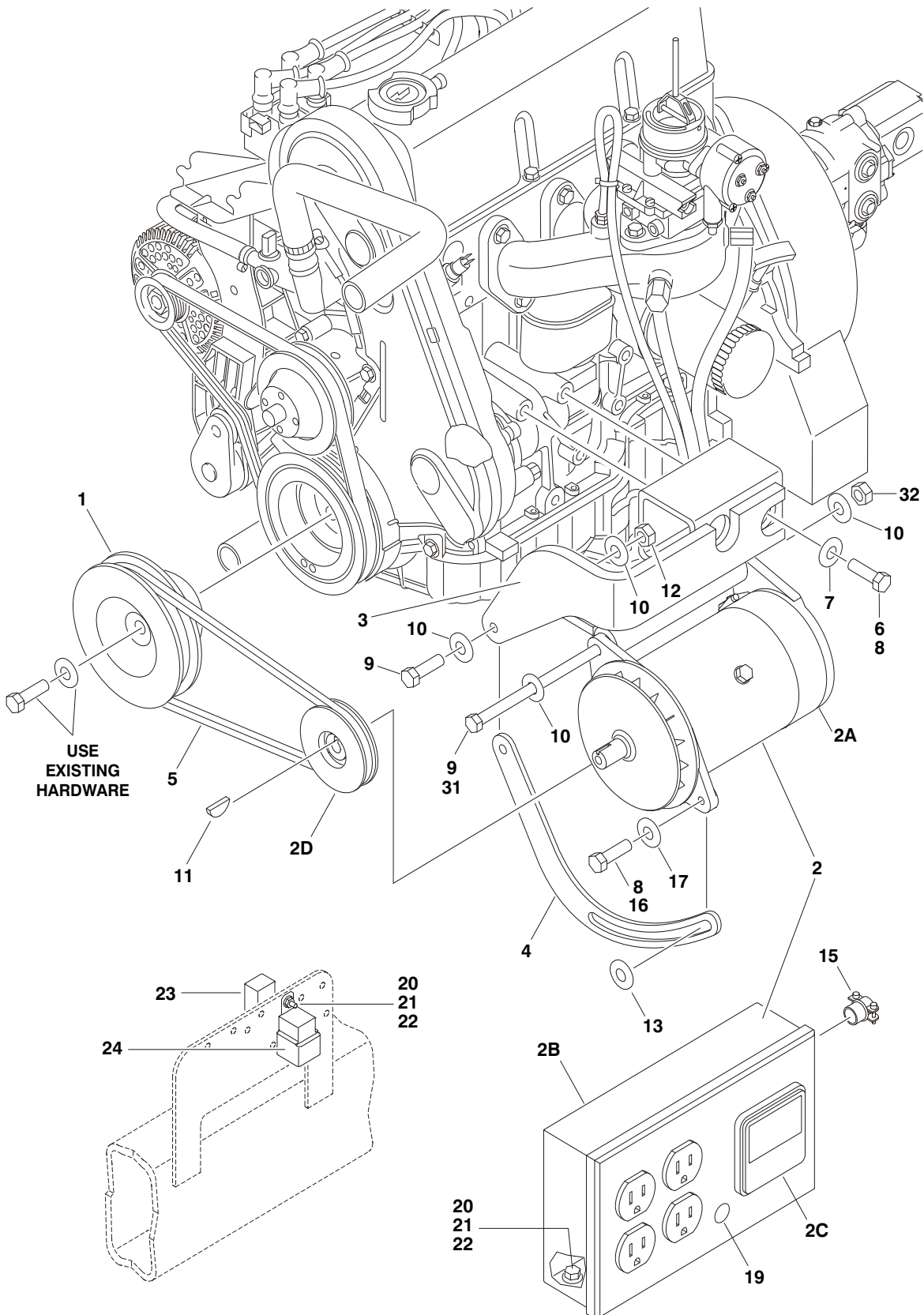
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
2C		1	Voltmeter Options:	
	2420203		Voltmeter - 110V	
	7020192		Voltmeter - 220V	
2D		1	Pulley Options:	
	3580276		Pulley - 60Hz	
	3580134		Pulley - 50Hz	
	7027887	1	Key, Woodruff	
3	Not Used			
4	0200742	1	Arm, Adjusting	
5	0480121	1	V-Belt	
6	Not Used			
7	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
8	0100011	A/R	Compound, Locking	
9	0641772	1	Bolt 7/16in-14NC x 9in	
10	4751600	6	Flatwasher 3/8in Regular	
11	2860012	1	Key, Woodruff	
12	3311605	1	Locknut 3/8in-16NC	
13	3311705	1	Locknut 7/16in-14NC	
14	3740080	1	Relay	
15	4460023	1	Connector, Strain Relief	
16	0641508	1	Bolt 5/16in-18NC x 1in	
17	4751500	A/R	Flatwasher 5/16in Regular	
18	Not Used			
19	3520028	1	Plug, Hole (S/N 0300069000 to S/N 0300081836)	
20	0721006	4	Bolt #10-24NC x 3/4in	
21	3311005	4	Locknut #10-24NC	
22	4751000	9	Flatwasher #10 Regular	
23	4360294	1	Breaker, Circuit - 30 Amp (S/N 0300069000 to S/N 0300081836)	
24	Not Used			
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28	3252507	1	Decal - 220V - 50/60Hz (Not Shown - Located on Turntable)	
29	2820031	4in/10cm	Heatshrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	

**FIGURE 2-24. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-25. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300069000 TO S/N 0300079888)



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FIGURE 2-25. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300069000 TO S/N 0300079888)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	GENERATOR INSTALLATION OPTIONS:	
	0271545	Ref.	110V Generator	5
	0271546	Ref.	220V Generator	4
1	3580250	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460032		110Volt Assembly (S/N 0300069000 to S/N 0300069575)	C
	2460044		110Volt Assembly (S/N 0300069575 to S/N 0300079888)	A
	2460013		220Volt Assembly	B
2A	7012558	1	Generator Only - 110V/60Hz	
	1001100321	1	Generator Only - 220V/50Hz	
		Ref.	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
		1	Armature with Slip Rings Options:	
	7026199		Armature with Slip Rings - 110V/60Hz	
	70000123		Armature with Slip Rings - 220V/50Hz	
	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 - 110V/60Hz	
	70002235	1	Box, Control - 220V/50Hz	
		A/R	Receptacle Options:	
	4460190	1	Receptacle, Standard (110V Only)	
	4460027	1	Receptacle, Twistlock (110V Only)	
	70000124	1	Receptacle, Double (220V/50Hz Only)	
	70000125	1	Receptacle, Single (220V/50Hz Only)	
		1	Breaker, Circuit Options:	
	4360542		Breaker 110V/60Hz	
	70000126		Breaker 220V/50Hz	
	2920162	1	Lamp	
	7020191	1	Switch, Toggle	
	3520028	1	Plug, Hole	
2C		1	Voltmeter Options:	
	2420203		Voltmeter - 110V	
	7020192		Voltmeter - 220V	
2D		1	Pulley Options:	
	3580276		Pulley - 60Hz (S/N 0300069000 to S/N 0300069575)	
	3580307		Pulley - 60Hz (S/N 0300069575 to S/N 0300079888)	
	3580134		Pulley - 50Hz	
	7027887	1	Key, Woodruff	
3	0902756	1	Bracket, Generator Mounting	
4	0200547	1	Arm, Adjusting	

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FIGURE 2-25. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300069000 TO S/N 0300079888) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
5		1	V-Belt Options:	
	0480111		110Volt Generator (S/N 0300069000 to S/N 0300073383)	
	0480134		110Volt Generator (S/N 0300073383 to S/N 0300079888)	
	0480050		220Volt Generator	
6	0701015	2	Bolt M10 x 35mm	
7	4812000	2	Flatwasher 10mm	
8	0100011	A/R	Compound, Locking	
9	0681612	1	Bolt 3/8in-16NC x 1-1/2in (Grade 8)	
10	4751600	6	Flatwasher 3/8in Regular	
11	2860012	1	Key, Woodruff	
12	3311605	1	Locknut 3/8in-16NC	
13	4564417	1	Spacer, Tube	
14	Not Used			
15	4460023	1	Connector, Strain Relief	
16	0641508	1	Bolt 5/16in-18NC x 1in	
17	4751500	2	Flatwasher 5/16in Regular	
18	Not Used			
19	3520028	1	Plug, Hole	
20	0721006	4	Bolt #10-24NC x 3/4in	
21	3311005	4	Locknut #10-24NC	
22	4751000	9	Flatwasher #10 Regular	
23	4360294	1	Breaker, Circuit - 30 Amp	
24	3740080	1	Relay, Bosch	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28	Not Used			
29	2820031	4in/10cm	Heatshrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	
31	0641772	1	Bolt 7/16in-14NC x 9in	
32	3311705	1	Locknut 7/16in-14NC	

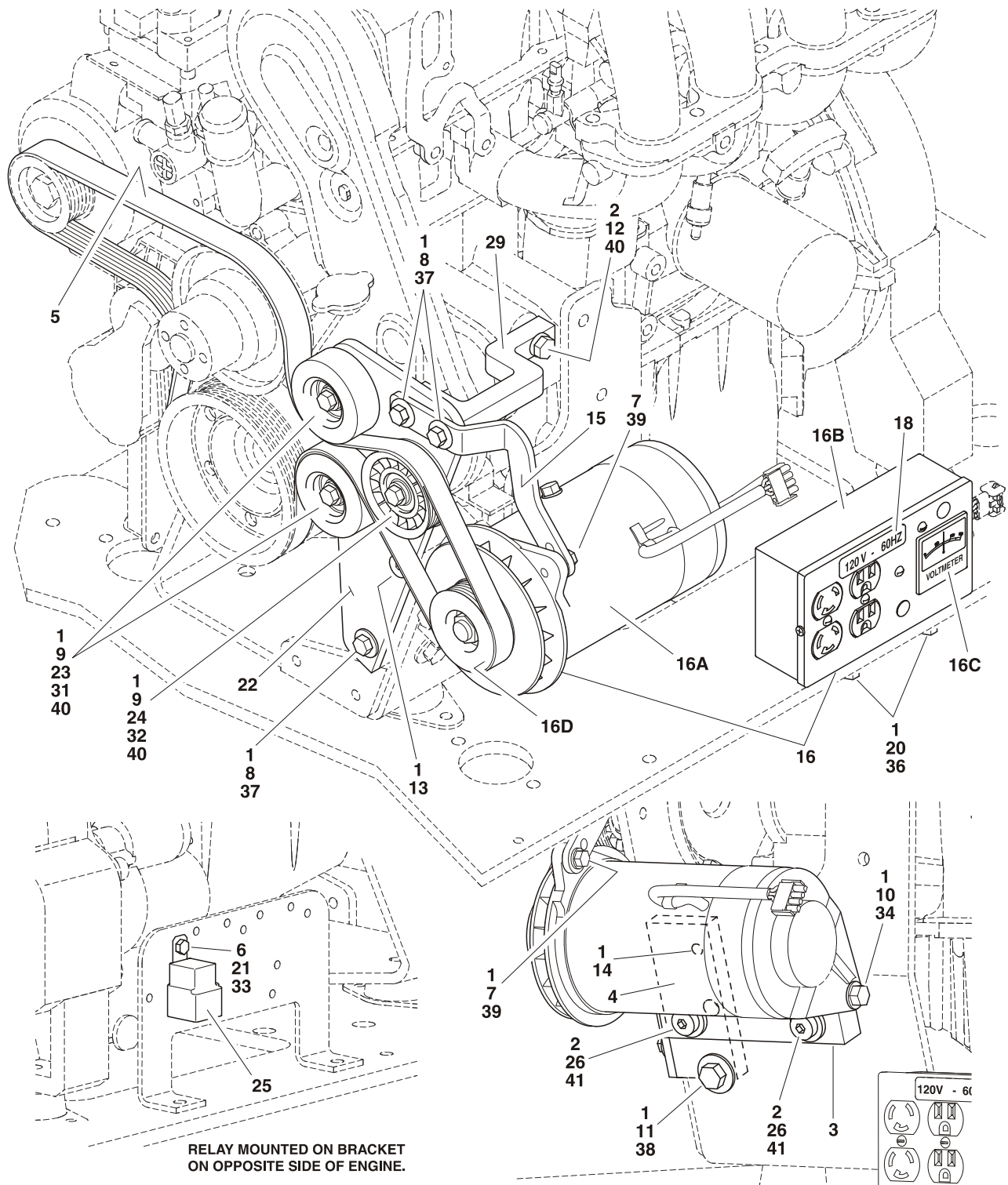
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FIGURE 2-25. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300069000 TO S/N 0300079888) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-26. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300079888 TO S/N 0300087000)



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FIGURE 2-26. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300079888 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	GENERATOR INSTALLATION OPTIONS:	
	0273507	Ref.	110V Generator with ADE System (S/N 0300079612 to S/N 0300087000)	C
	0273511	Ref.	220V Generator with ADE System (S/N 0300079612 to S/N 0300087000)	C
1	0100011	A/R	Compound, Locking	
2	0100019	A/R	Compound, Locking	
3	0363082	1	Bar, Generator Adjuster	
4	0363097	1	Bar, Pulley Mounting	
5	0480135	1	V-Belt	
6	0641405	1	Bolt 1/4in-20NC x 5/8in	
7	0641508	1	Bolt 5/16in-18NC x 1in	
8	0641611	3	Bolt 3/8in-16NC x 1-3/8in	
9	0641612	3	Bolt 3/8in-16NC x 1-1/2in	
10	0641718	2	Bolt 7/16in-14NC x 2-1/4in	
11	0641810	1	Bolt 1/2in-13NC x 1-1/4in	
12	0701015	1	Bolt 10mm x 35mm	
13	0741606	1	Screw, Countersunk 3/8in-16NC x 3/4in	
14	0741808	1	Screw, Countersunk 1/2in-13NC x 1in	
15	0902952	1	Bracket, Generator Mounting	
16		1	Generator and Control Box Assembly Options:	
	2460051		110Volt Assembly	
	2460052		220Volt Assembly	
16A	7012558	1	Generator Only - 110V/60Hz	
	1001100321	1	Generator Only - 220V/50Hz	
		Ref.	Note: Replacement Generators come standard with p/n 3580134 pulley. This pulley may not be correct for all applications. Refer to pulley options below.	
		1	Armature with Slip Rings Options:	
	7026199		Armature with Slip Rings - 110V/60Hz	
	70000123		Armature with Slip Rings - 220V/50Hz	
	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	
16B	7019680	1	Box, Control - 110V/60Hz	
	70000127	1	Box, Control - 220V/50Hz	
		A/R	Receptacle Options:	
	4460190	1	Receptacle, Standard (110V Only)	
	4460027	1	Receptacle, Twistlock (110V Only)	
	70000124	1	Receptacle, Double (220V/50Hz Only)	
	70000125	1	Receptacle, Single (220V/50Hz Only)	
		1	Breaker, Circuit Options:	
	4360542		Breaker 110V/60Hz	
	70000126		Breaker 220V/50Hz	

SECTION 2 TURNTABLE

FIGURE 2-26. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300079888 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
16B (cont'd)	3520028	1	Plug, Hole	
16C		1	Voltmeter Options:	
	2420203		Voltmeter - 110V	
	7020192		Voltmeter - 220V	
16D		1	Pulley Options:	
	3580324		Pulley - 60Hz	
	3580325		Pulley - 50Hz	
	7027887	1	Key, Woodruff	
17	2820031	A/R	Heatshrink (Not Shown - Located at Platform)	
18		1	Decal	
	1702590		110V Generator	
	3251243		220V Generator	
19		1	Nameplate Options (Not Shown - Located at Platform):	
	3252764		S/N 0300069000 to S/N 03000S/N 0300085046	
	3251102		S/N 0300085046 to S/N 0300087000	
20	3311005	2	Locknut #10-24NC	
21	3311405	1	Locknut 1/4in-20NC	
22	3574225	1	Plate, Pulley Mounting	
23	3580312	1	Pulley, Idler	
24	3580313	1	Pulley, Grooved Idler	
25	3740080	1	Relay, Bosch	
26	3900322	2	Screw, Shoulder	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28	4240018	A/R	Tie-Strap	
29	4340738	1	Support, Idler Pulley	
30	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
31	4568734	1	Spacer, Tube (Idler Pulley Non-Grooved)	
32	4568735	1	Spacer, Tube (Idler Pulley Grooved)	
33	4711400	1	Flatwasher 1/4in Thin	
34	4711700	2	Flatwasher 7/16in Thin	
35	4740397	1	Spacer	
36	4751000	2	Flatwasher #10 Regular	
37	4751600	3	Flatwasher 3/8in Regular	
38	4751800	1	Flatwasher 1/2in Regular	
39	4891500	1	Flatwasher 5/16in Hardened	
40	4891600	4	Flatwasher 3/8in Hardened	
41	4892000	2	Flatwasher 5/8in Hardened	

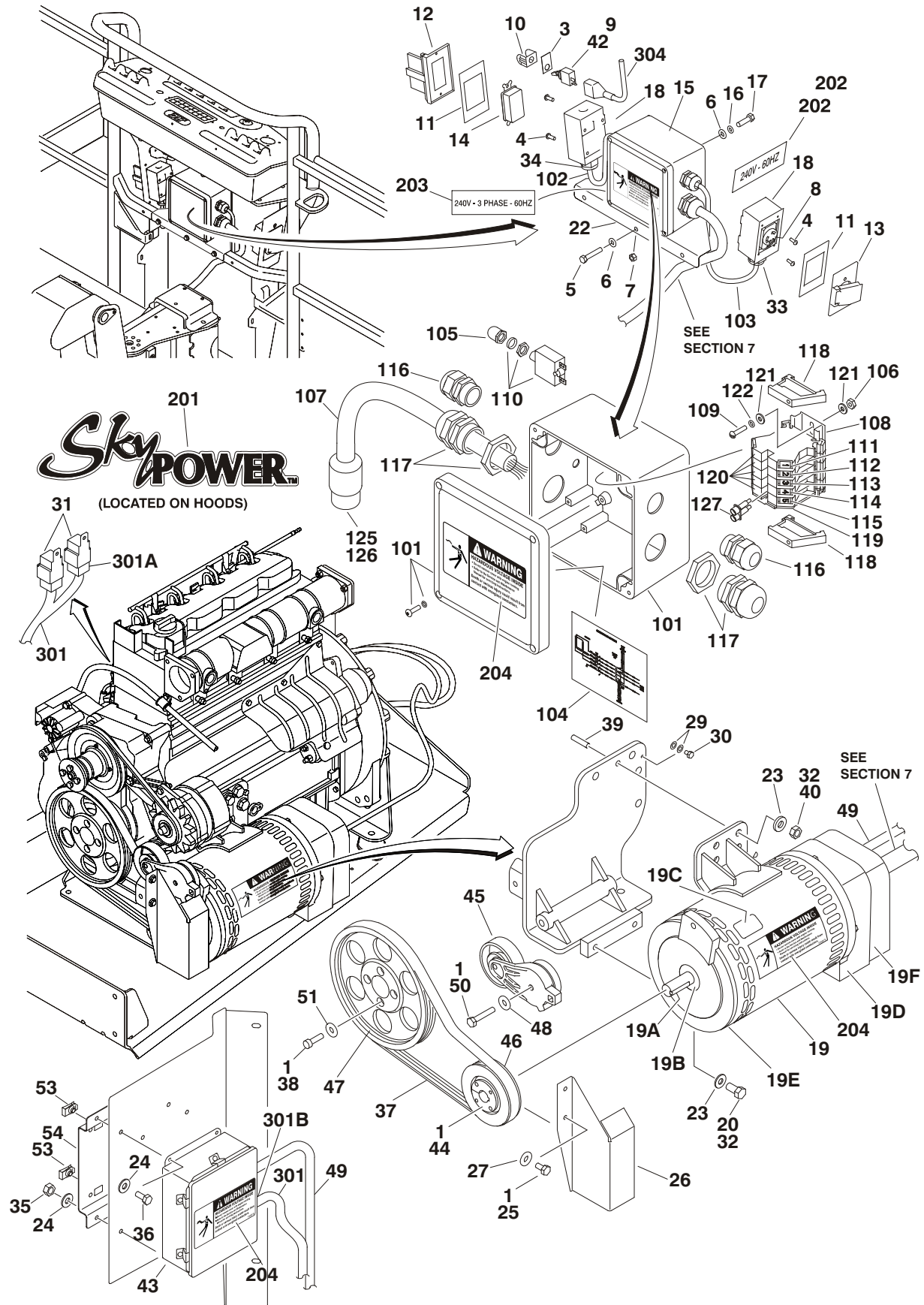
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FIGURE 2-26. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (S/N 0300079888 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES



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FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	7500W SKYPOWER GENERATOR INSTALLATION	
	0273576	Ref.	60Hz & Caterpillar Engine	H
	0272618	Ref.	60Hz & Deutz Engine	G
		Ref.	Note: SkyPower Generator is Standard On ANSI & CSA Specs. Optional on All Other Specs.	
		Ref.	Note: See Section 7 for Boom Cable Components.	
1	0100011	A/R	Compound, Locking	
2	Not Used			
3	3252764	1	Nameplate	
4	3910606	8	Screw #6-32NC x 3/8in	
5	0641516	3	Bolt 5/16in-18NC x 2in	
6	4711500	10	Flatwasher 5/16in Thin	
7	3311505	3	Locknut 5/16in-18NC	
8	4460958	1	Receptacle, Female Twist-Lock	
9	4360336	1	Switch, Toggle	
10	4060802	1	Guard, Switch	
11	3960422	2	Gasket	
12	4060700	1	Cover, Receptacle	
13	4061043	1	Cover, Receptacle	
14	4460346	1	Receptacle	
15	0861542	1	Junction Box Assembly (See Items 101-127 for Breakdown)	
16	4761500	4	Flatwasher 5/16in Regular	
17	0641505	4	Bolt 5/16in-18NC x 5/8in	
18	0860038	2	Box, Switch	
19		1	Generator Assembly Options:	
	2460050		Caterpillar Engine	
	2460048		Deutz Engine	
	Use 70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
	7027799	1	Block, Connection - 6 Position (Not Shown)	
	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
	7026597	1	Connector, W/Lead (Not Shown)	
	7026188	1	Connector, Clamp (Not Shown)	
		1	Plate, End Panel Options:	
	Use 70004170		Caterpillar Engine	
	Use 70004169		Deutz Engine (was p/n 70002255)	
		1	Stator Options (Not Shown):	
	70001969		2460050 Generator	
	70002088		2460048 Generator	
	70001974	1	Decal - Terminal Connections (Not Shown)	
	70000863	1	Fan (Not Shown)	
	70002297	4	Stud (Not Shown)	
19A	Use 70004171	1	Key (was p/n 7024561)	
	70001100	1	Armature, Generator (Includes p/n 70001384 & 70000863)	
	70001384	1	Bearing, Ball Radial	

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FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
19B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
19C	70001973	1	Decal - Warning Moving Parts	
19D		1	Endbell, Brush Block Options (was p/n 70001385):	
	Use 70004170		Caterpillar Engine Machines	
	Use 70004169		Deutz Engine Machines	
19E	70001953	1	Endbell, Belt Tensioner	
19F		1	Endbell, Shroud Options:	
	Use 70004170		Caterpillar Engine (was p/ns 70001970 & 70001971)	
	Use 70004169		Deutz Engine (was p/n 70002290)	
20	0641808	A/R	Bolt 1/2in-13NC x 1in	
21	Not Used			
22	0902888	1	Bracket, Box Mounting	
23	4711800	A/R	Flatwasher 1/2in Thin	
24	4711400	A/R	Flatwasher 1/4in Thin	
25	0641404	A/R	Bolt 1/4in-20NC x 1/2in	
26		1	Shield Options:	
	Not Required		Caterpillar Engine	
	4061049		Deutz Engine	
27	4751400	2	Flatwasher 1/4in Regular	
28	4240018	A/R	Tie-strap (Not Shown)	
29	4791400	2	Starwasher 1/4in	
30	0641403	1	Bolt 1/4in-20NC x 3/8in	
31	3740080	2	Relay	
32	0100019	A/R	Compound, Locking	
33	4460051	1	Connector, Strain Relief	
34	4460071	1	Connector, Strain Relief	
35	3311405	4	Locknut 1/4in-20NC	
36		4	Bolt Options:	
	0641405		Bolt 1/4in-20NC x 5/8in (S/N 0300069000 to S/N 0300084829)	
	0641406		Bolt 1/4in-20NC x 3/4in (S/N 0300084829 to S/N 0300087000)	
37	0480129	1	Belt, Drive	
38		4	Bolt, Metric Options:	
	0700815		Caterpillar Engine (Bolt M8 x 35mm)	
	4032015		Deutz Engine (Capscrew M10 x 55mm)	
39	4300157	1	Stud	
40	3311801	1	Nut 1/2in-13NC	
41	0100062	1	Loctite (Not Shown)	
42	2820031	1	Insulator	
43	Use 0861538	1	Control Box Assembly (was p/n 7024487):	
	7024488	1	Card, Circuit - Generator Power	
	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
	7024489	1	Card, Circuit - Control	
	70000619	1	Harness, Circuit Card	
44	0962520	1	Bushing, Split Taper	
45	3580317	1	Tensioner, Belt	

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FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
46	3580318	1	Pulley	C
47		1	Pulley Options:	
	3580321		Caterpillar Engine	
	3580320		Deutz Engine	
48	4711600	1	Flatwasher 3/8in Thin	
49	4922925	1	Harness, Generator	
50		1	Bolt 3/8in-16NC x 2-1/4in Options:	
	3931632		Caterpillar Engine (Socket Head Capscrew) (S/N 0300069000 to S/N 0300093326)	
	0641618		Caterpillar Engine (Hex Head Bolt) (S/N 0300093326 to S/N 0300087000)	
	0641618		Deutz Engine (Hex Head Bolt)	
51	4811900	4	Flatwasher M8 (Caterpillar Engine Only)	
52	2902300	1	Remote Oil Filter Kit (Not Shown - Caterpillar Engine Only) (S/N 0300069000 to S/N 0300078185)	
53	3300454	4	Nut Special 1/4in-20NC (Deutz Engine Only) (S/N 0300084829 to S/N 0300087000)	
54	3575863	1	Plate, EMR2 Mount (Deutz Engine Only) (S/N 0300084829 to S/N 0300087000)	
	0861542	Ref.	JUNCTION BOX ASSEMBLY	
101	0861541	1	Box, Junction	
102	1060494	2ft/.6m	Cable, Electrical 12/3	
103	1060708	2.5ft/.76m	Cable, Electrical 10/3	
104	1705376	1	Decal - Wiring Schematic	
105	3300396	1	Cover, Fuse	
106	3310601	2	Nut #6-32NC	
107	1060343	1.5ft/.46m	Cable, Electrical 10/4	
108		1	Rail, Relay Options:	
	3640986		S/N 0300069000 to S/N 0300072914	
	3641533		S/N 0300072914 to S/N 0300087000	
109	3910610	2	Bolt #6-32NC x 5/8	
110	4360070	1	Circuit Breaker - 15 Amp	
111	4460411	2	Marker Strip #1	
112	4460412	4	Marker Strip #2	
113	4460413	2	Marker Strip #3	
114	4460414	2	Marker Strip #4	
115	4460415	4	Marker Strip #5	
116	4460425	2	Strain Relief, Terminal	
117	4460426	2	Connector, Strain Relief	
118	4460607	2	Terminal, End Stop	
119	4460956	1	Terminal, Block End	
120	4460957	7	Terminal, Block	
121	4750600	4	Flatwasher, #6 Regular	
122	4760600	2	Lockwasher #6 Regular	
123 to 124	Not Used			
125	1671092	1	Cover	
126	4460963	1	Connector	

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FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
127	4461001	2	Terminal, Cross Connector (S/N 0300072914 to S/N 0300087000)	A
	0272435	Ref.	DECAL INSTALLATION	
201	1705460	2	Decal - SkyPower™	
202	1705374	1	Decal - 240V - 60Hz	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	C
	4933264	Ref.	ELECTRICAL DIAGRAM COMPONENTS	
301	4922757	1	Generator Harness	
301A	4460374	2	Plug, Sealed Relay	
	4460375	7	Terminal	
301B	4460967	1	Plug, Male - 3 Position	3/C
	4460465	3	Socket, Female	
301C	2400060	1	Fuseholder (Not Shown)	
	2400064	1	Fuse - 5 Amp (Not Shown)	
302 to 303	Not Used			
304	4922641	1	Switch Harness	

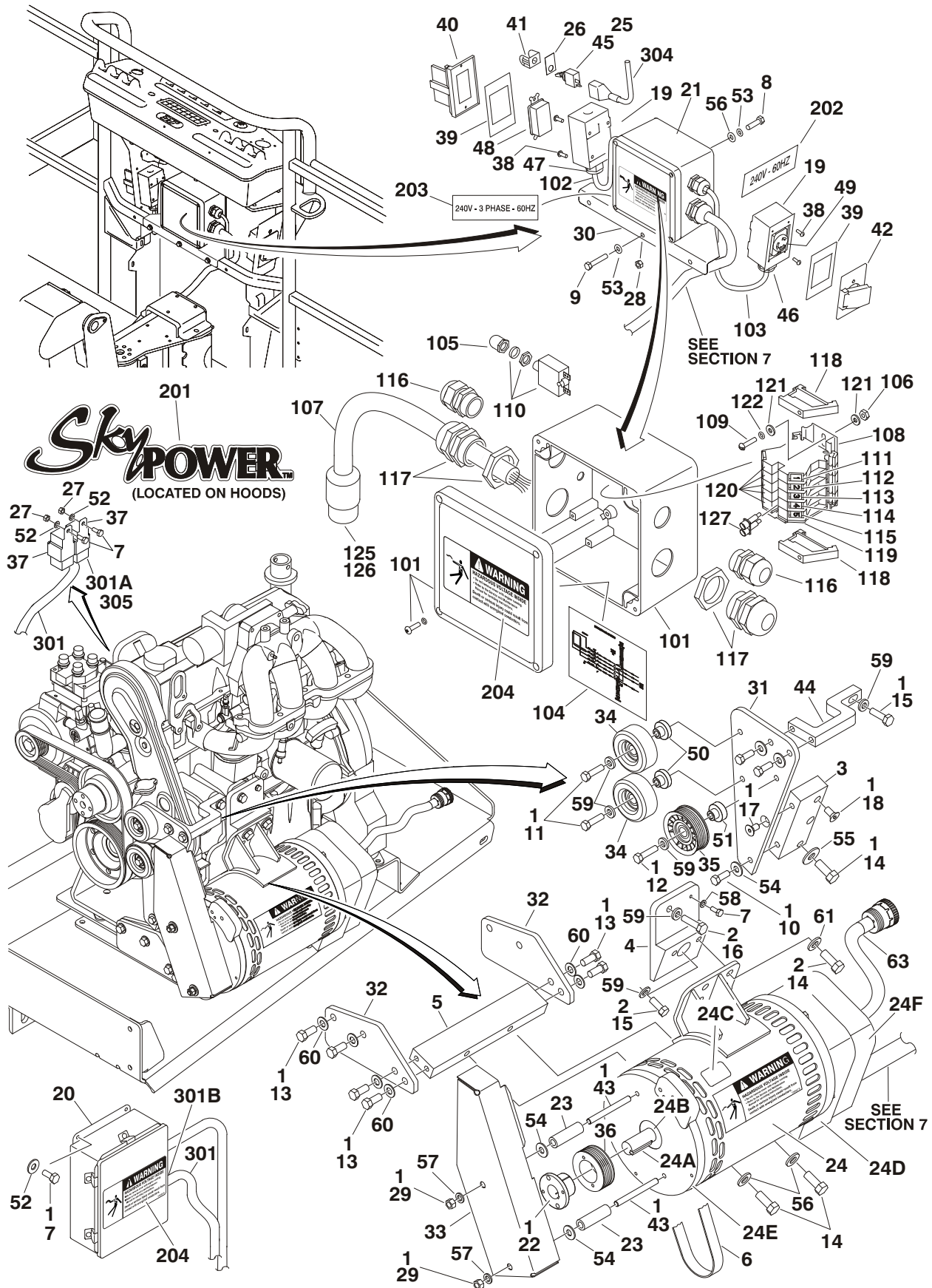
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**FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ
ENGINES (CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-28. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES



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FIGURE 2-28. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0273109	Ref.	7500W SKYPOWER GENERATOR INSTALLATION	E
		Ref.	Note: SkyPower Generator is Standard On ANSI & CSA Specs. Optional on All Other Specs.	
		Ref.	Note: See Section 7 for Boom Cable Components.	
1	0100011	A/R	Compound, Locking	
2	0100019	A/R	Compound, Locking	
3	0363097	1	Bar, Pulley Mount	
4	0363201	1	Bar, Generator Mount (Top)	
5	0363202	1	Bar, Generator Mount (Bottom)	
6	0480130	1	Belt, Generator	
7	0641405	7	Bolt 1/4in-20NC x 5/8in	
8	0641505	4	Bolt 5/16in-18NC x 5/8in	
9	0641516	3	Bolt 5/16in-18NC x 2in	
10	0641608	3	Bolt 3/8in-16NC x 1in	
11	0641611	2	Bolt 3/8in-16NC x 1-3/8in	
12	0641612	1	Bolt 3/8in-16NC x 1-1/2in	
13	0641708	8	Bolt 7/16in-14NC x 1in	
14	0641810	5	Bolt 1/2in-13NC x 1-1/4in	
15	0701015	2	Bolt M10 x 35mm	
16	0701016	1	Bolt M10 x 40mm	
17	0741606	1	Screw, Flathead Countersunk 3/8in-16NC x 3/4in	
18	0741808	1	Screw, Flathead Countersunk 1/2in-13NC x 1in	
19	0860038	2	Box, Switch	
20	Use 0861538	1	Control Box Assembly (was p/n 7024487):	
	7024488	1	Card, Circuit - Generator Power	
	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
	7024489	1	Card, Circuit - Control	
	70000619	1	Harness, Circuit Card	
21	0861542	1	Junction Box Assembly (See Items 101-127 for Breakdown)	
22	0962520	1	Bushing, Split Taper	
23	0962521	2	Spacer, Tube	
24	2460048	1	Generator Assembly	
	Use 70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
	70001966	1	Bearing, Ball Radial (Located In Belt Tensioner Endbell - Not Shown)	
	7027799	1	Block, Connector 6 Position (Not Shown)	
	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
	7026188	1	Clamp, Cable (Not Shown)	
	7026597	1	Connector, W/Leads (Not Shown)	
	70002088	1	Stator (Not Shown)	
	Use 70004169	1	Panel, End (Not Shown) (was p/n 70002255)	
	70001974	1	Decal - Terminal Connections (Not Shown)	
	70000863	1	Fan (Not Shown)	
	70002297	4	Stud (Not Shown)	

SECTION 2 TURNTABLE

FIGURE 2-28. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
24A	Use 70004171	1	Key (was p/n 7024561)	
	70001100	1	Armature, Generator (Includes Radial Ball Bearing on End with Brushes and Fan)	
	70001384	1	Bearing, Ball Radial	
24B	70001966		Bearing, Radial Ball (Located in Belt Tensioner Endbell)	
	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
24C	70001973	1	Decal - Warning Moving Parts	
24D	Use 70004169	1	Endbell, Brush Block (was p/n 70001385)	
24E	70001953	1	Endbell, Belt Tensioner	
24F	Use 70004169	1	Endbell, Shroud Assembly (was p/n 70002290)	
25	2820031	1	Insulator	
26	3252764	1	Nameplate	
27	3311405	6	Locknut 1/4in-20NC	
28	3311505	3	Locknut 5/16in-18NC	
29	3311601	2	Nut 3/8in-16NC	
30	0902888	1	Bracket, Box Mounting	
31	3574225	1	Plate, Pulley Mounting	
32	3574229	2	Plate, Gusset Generator Mounting	
33	3574262	1	Plate, Shield	
34	3580312	2	Pulley, Idler	
35	3580313	1	Pulley, Idler Grooved	
36	3580314	1	Pulley, Drive Grooved	
37	3740080	2	Relay	
38	3910606	8	Screw #6-32NC x 3/8in	
39	3960422	2	Gasket	
40	4060700	1	Cover, Receptacle	
41	4060802	1	Guard, Switch	
42	4061043	1	Cover, Receptacle	
43	4300111	2	Stud, Chain Assembly	
44	4340738	1	Support, Idler Pulley Mount	
45	4360336	1	Switch, Toggle	
46	4460051	1	Connector, Strain Relief	
47	4460071	1	Connector, Strain Relief	
48	4460346	1	Receptacle	
49	4460958	1	Receptacle, Female Twist-Lock	
50	4568734	2	Tube, Spacer Pulley	
51	4568735	1	Tube, Spacer Pulley Grooved	
52	4711400	10	Flatwasher 1/4in Thin	
53	4711500	10	Flatwasher 5/16in Thin	
54	4711600	5	Flatwasher 3/8in Thin	
55	4711800	1	Flatwasher 1/2in Thin	
56	4761500	4	Lockwasher 5/16in	
57	4761600	2	Lockwasher 3/8in	
58	4791400	1	Starwasher 1/4in	
59	4891600	6	Flatwasher 3/8in Hardened	
60	4891700	8	Flatwasher 7/16in Hardened	
61	4891800	4	Flatwasher 1/2in Hardened	
62	Not Used			
63	4922905	1	Harness, Generator	

SECTION 2 TURNTABLE

FIGURE 2-28. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0861542	Ref.	JUNCTION BOX ASSEMBLY	C
101	0861541	1	Box, Junction	
102	1060494	2ft/.6m	Cable, Electrical 12/3	
103	1060708	2.5ft/.76m	Cable, Electrical 10/3	
104	1705376	1	Decal - Wiring Schematic	
105	3300396	1	Cover, Fuse	
106	3310601	2	Nut #6-32NC	
107	1060343	1.5ft/.46m	Cable, Electrical 10/4	
108		1	Rail, Relay Options: S/N 0300069000 to S/N 0300072914 S/N 0300072914 to S/N 0300087000	
109	3910610	2	Bolt #6-32NC x 5/8	
110	4360070	1	Circuit Breaker - 15 Amp	
111	4460411	2	Marker Strip #1	
112	4460412	4	Marker Strip #2	
113	4460413	2	Marker Strip #3	
114	4460414	2	Marker Strip #4	
115	4460415	4	Marker Strip #5	
116	4460425	2	Strain Relief, Terminal	
117	4460426	2	Connector, Strain Relief	
118	4460607	2	Terminal, End Stop	
119	4460956	1	Terminal, Block End	
120	4460957	7	Terminal, Block	
121	4750600	4	Flatwasher, #6 Regular	
122	4760600	2	Lockwasher #6	
123 to 124	Not Used			
125	1671092	1	Cover	
126	4460963	1	Connector	
127	4461001	2	Terminal, Cross Connector (S/N 0300072914 to S/N 0300087000)	
	0272435	Ref.	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower™	
202	1705374	1	Decal - 240V - 60Hz	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	4933283	Ref.	ELECTRICAL DIAGRAM COMPONENTS	2/B
301	4922905	1	Generator Harness	2/B
301A	4460374	2	Plug, Sealed Relay	
	4460375	7	Terminal	
301B	4460967	1	Plug, Male - 3 Position	
	4460465	3	Socket, Female	
301C	2400060	2	Fuseholder (Not Shown)	
	2400064	2	Fuse - 5 Amp (Not Shown)	
302 to 303	Not Used			
304	4922641	1	Switch Harness	

SECTION 2 TURNTABLE

FIGURE 2-28. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
305	4460375	1	Terminal	

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BOOM

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FIGURE 3-1. BOOMS & CYLINDERS INSTALLATION - 600A

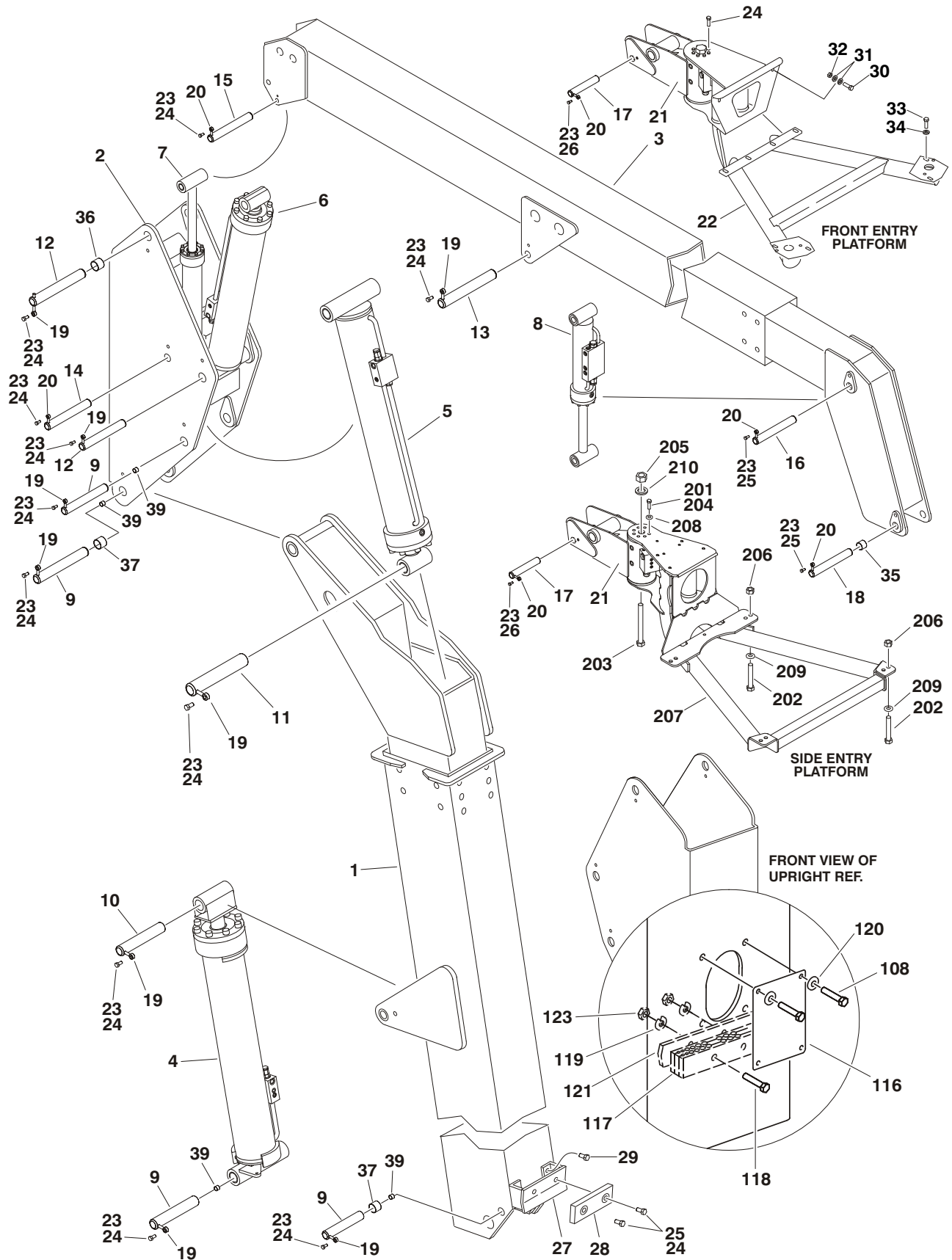


FIGURE 3-1. BOOMS & CYLINDERS INSTALLATION - 600A

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	BOOMS AND CYLINDERS INSTALLATION	
	0256321	Ref.	Machines with Front Entry Platform	5
	0272326	Ref.	Machines with Side Entry Platform	1
1	0801019	1	Tower Boom Assembly -Tower (See Figure 3-3 for Breakdown)	
2	4846005	1	Upright Weldment	
3	0801022	1	Main Boom Assembly (See Figure 3-4 for Breakdown)	
4	1683288	1	Tower Lift Cylinder Assembly (See Section 5 for Breakdown)	
5	Use 1684498	1	Upright Level Cylinder Assembly (See Section 5 for Breakdown) (was p/n 1683299)	
6	1683294	1	Main Lift Cylinder Assembly (See Section 5 for Breakdown)	
7	1683266	1	Master Cylinder Assembly (See Section 5 for Breakdown)	
8	1683415	1	Platform Level Cylinder Assembly (See Section 5 for Breakdown)	
9	3422571	4	Pin	
10	3422573	1	Pin	
11	3422575	1	Pin	
12	3422572	2	Pin	
13	3422576	1	Pin	
14	3422565	1	Pin	
15	3422577	1	Pin	
16	3422578	1	Pin	
17	3422580	1	Pin	
18	3422582	1	Pin	
19	3841203	9	Keeper, Pin - 1/2in	
20	3841143	5	Keeper, Pin - 3/8in	
21		1	Rotator Assembly Options:	
	Use 0060076		Front Entry Platform (p/n was 0060035) (See Figure 3-5 for Breakdown)	
	0060068		Side Entry Platform (See Figure 3-6 for Breakdown)	
22		1	Platform Support Weldment Options:	
	4844790		Front Entry Platform Machines	
	See Note		Side Entry Platform Machines (Note: See Items 201 to 210)	
23	0100011	A/R	Compound, Locking	
24	0641810	A/R	Bolt 1/2in-13NC x 1-1/4in	
25	0741607	A/R	Screw, Countersunk 3/8in-16NC x 7/8in	
26	3900166	1	Screw, Socket Head Countersunk - 3/8in-16NC x 7/8in	
27	4845127	1	Boom Rest Weldment (Front Entry Platform Machines)	
28	0561076	1	Block, Boom Rest	
29	0641605	4	Bolt 3/8in-16NC x 5/8in	
30	0641820	4	Bolt 1/2in-13NC x 2-1/2in (Front Entry Platform Machines)	
31	4711800	8	Flatwasher 1/2in Thin (Front Entry Platform Machines)	
32	3311805	4	Locknut 1/2in-13NC (Front Entry Platform Machines)	
33	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8) (Front Entry Platform Mach)	
34	4711600	4	Flatwasher 3/8in Thin (Front Entry Platform Machines)	
35	0961951	2	Bushing, Garmax	
36	0961948	2	Bushing, Garmax	
37	0961949	4	Bushing, Garmax	
38	Not Used			

SECTION 3 BOOM

FIGURE 3-1. BOOMS & CYLINDERS INSTALLATION - 600A (CONTINUED)

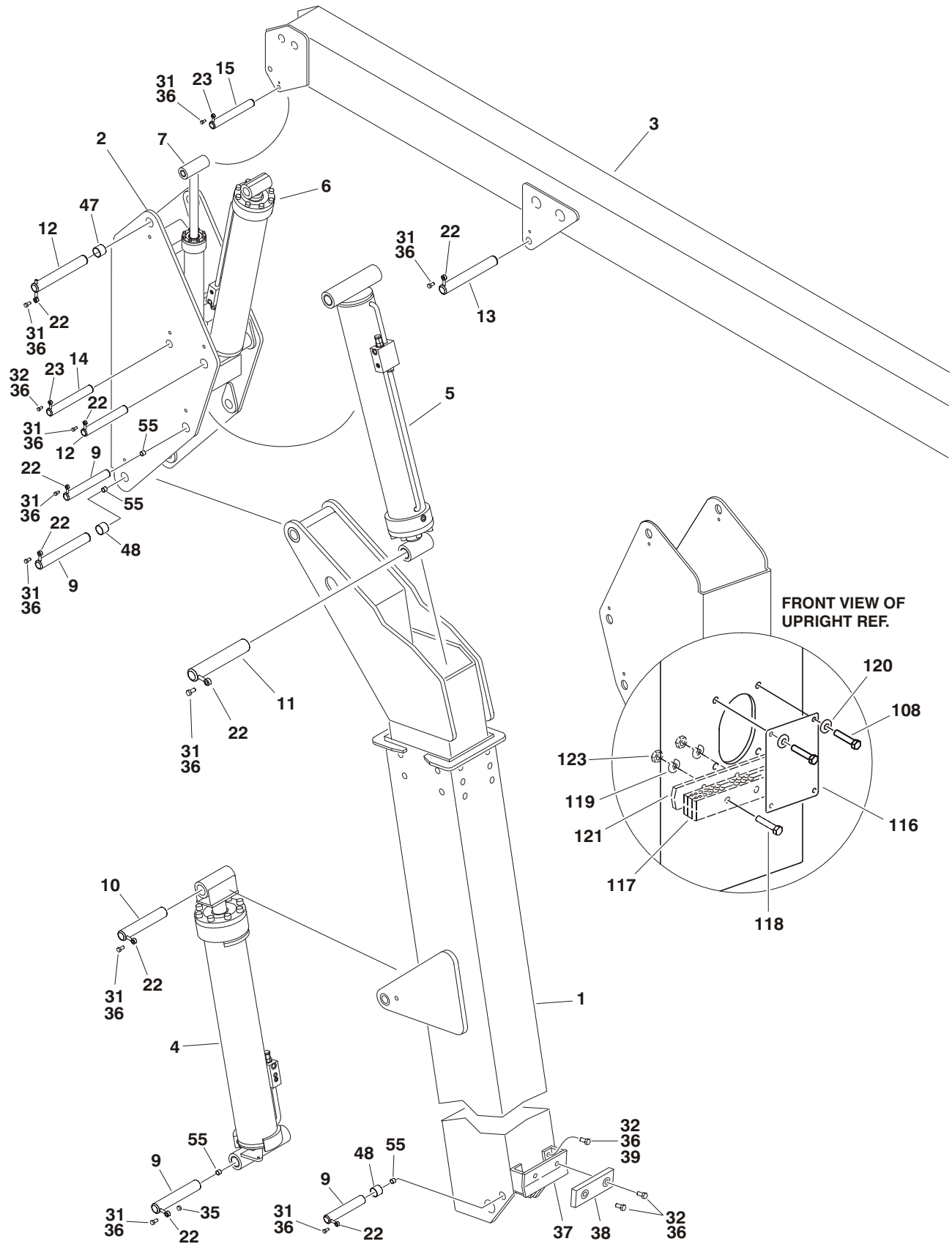
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
39	3900239	4	Setscrew	12/K
	0255423	Ref.	POWER TRACK INSTALLATION	
101to 107	Not Used			
108	0641403	4	Bolt 1/4in-20NC x 3/8in	
109 to 115	Not Used			
116	3539779	1	Plate, Cover	
117	1320243	1	Clamp, Block	
118	0641532	2	Bolt 5/16in-18NC x 4in	
119	4751600	2	Flatwasher 3/8in Regular (S/N 0300069000 to S/N 0300084624)	
120	4751400	4	Flatwasher 1/4in Regular	
121	3570374	1	Plate	C
122	Not Used			
123	3311505	2	Nut 5/16in-18NC	
124	Not Used			
125	4751500	2	Flatwasher 5/16in Regular (S/N 0300084624 to S/N 0300087000)	
	0272070	Ref.	PLATFORM SUPPORT INSTALLATIONS (SIDE ENTRY PLATFORM MACHINES)	
201	0100011	A/R	Compound, Locking	
202	0641812	8	Bolt 1/2in-13NC x 1-1/2in	
203	0642684	1	Bolt 1in-8NC x 10-1/2in	
204	0681608	8	Bolt 3/8in-16NC x 1in	
205	3272605	1	Locknut 1in-8NC	
206	3311805	8	Locknut 1/2in-13NC	
207	4846573	1	Support Weldment	
208	4891600	8	Flatwasher 3/8in Hardened	
209	4891800	8	Flatwasher 1/2in Hardened	
210	4892600	1	Flatwasher 1in Hardened	

FIGURE 3-1. BOOMS & CYLINDERS INSTALLATION - 600A (CONTINUED)

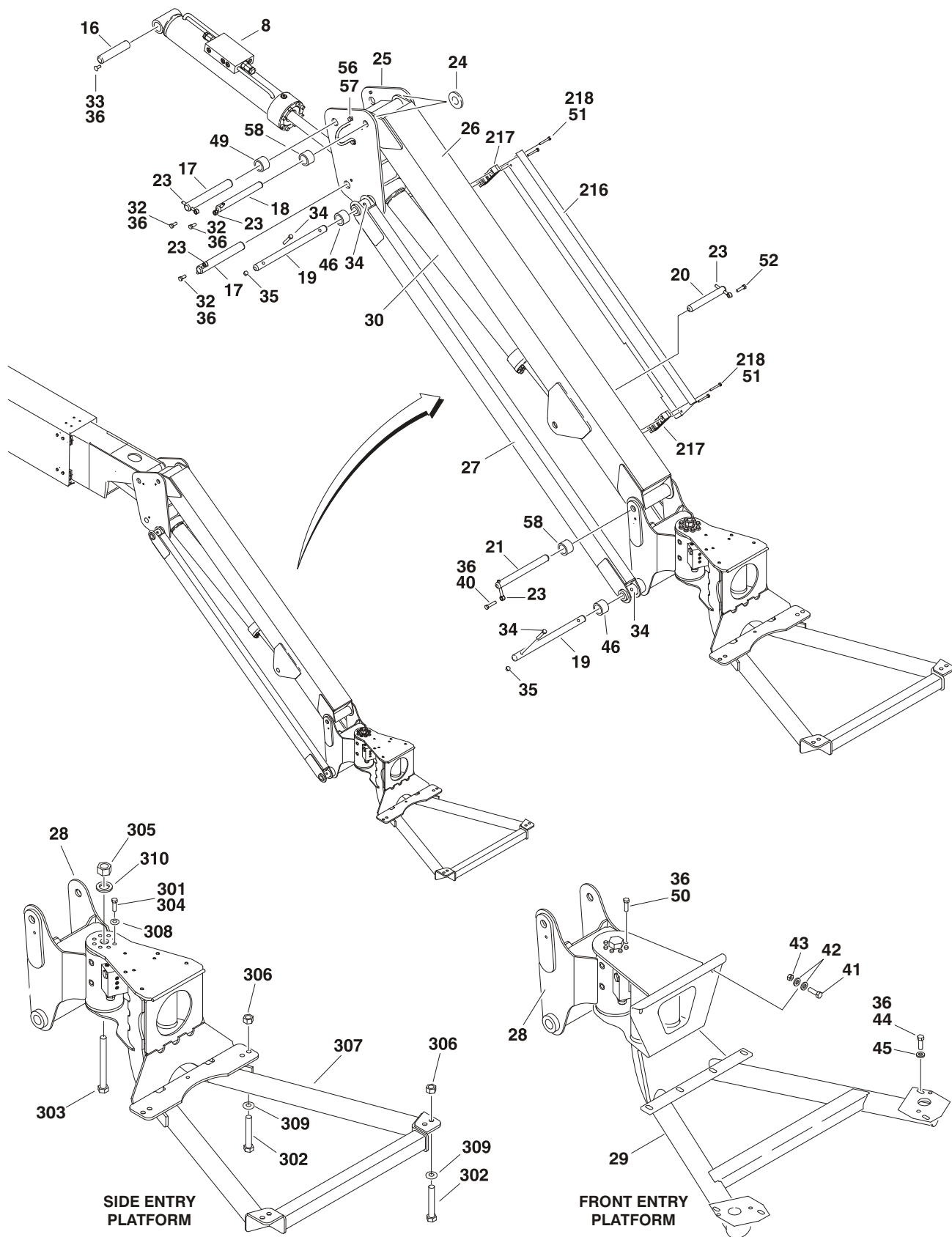
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 3-2. BOOMS & CYLINDERS INSTALLATION - 600AJ



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SECTION 3 BOOM

FIGURE 3-2. BOOMS & CYLINDERS INSTALLATION - 600AJ

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	BOOMS AND CYLINDERS INSTALLATION	
	0271338	Ref.	Front Entry Platform Machines	6
	0272135	Ref.	Side Entry Platform Machines	3
1	0801019	1	Tower Boom Assembly -Tower (See Figure 3-3 for Breakdown)	
2	4846006	1	Upright Weldment	
3	0801025	1	Main Boom Assembly (See Figure 3-4 for Breakdown)	
4	1683288	1	Tower Lift Cylinder Assembly (See Section 5 for Breakdown)	
5	Use 1684498	1	Upright Level Cylinder Assembly (See Section 5 for Breakdown) (was p/n 1683299)	
6	1683294	1	Main Lift Cylinder Assembly (See Section 5 for Breakdown)	
7	1683263	1	Master Cylinder Assembly (See Section 5 for Breakdown)	
8	1683418	1	Platform Level Cylinder Assembly (See Section 5 for Breakdown)	
9	3422571	4	Pin	
10	3422573	1	Pin	
11	3422575	1	Pin	
12	3422572	2	Pin	
13	3422576	1	Pin	
14	3422566	1	Pin	
15	3422579	1	Pin	
16	3422583	1	Pin	
17	3422561	2	Pin	
18	3422860	1	Pin	
19	3422861	2	Pin	
20	3422867	1	Pin	
21	3422563	1	Pin (Front Entry Platform)	
	3422860	1	Pin (Side Entry Platform)	
22	3841203	9	Keeper, Pin - 1/2in	
23	3841143	7	Keeper, Pin - 3/8in	
24	4740439	2	Thrustwasher	
25	4844815	1	Pivot Weldment	
26	4844816	1	Tube Weldment - Top	
27	4844817	2	Tube Weldment - Bottom	
28		1	Rotator Assembly Options:	
	Use 0060074		Front Entry Platform (p/n was 0060031) (See Figure 3-5 for Breakdown)	
	0060066		Side Entry Platform (See Figure 3-6 for Breakdown)	
29		1	Support Weldment Options:	
	4844790		Front Entry Platform	
	See Note		Side Entry Platform (Note: See Items 301 to 310)	
30		1	Extend-A-Reach Lift Cylinder Assembly Options (See Section 5 for Breakdown):	
	1683258		S/N 0300069000 to S/N 0300070977	
	1683609		S/N 0300070977 to S/N 0300087000	
31	0641810	9	Bolt 1/2in-13NC x 1-1/4in	
32	0641607	A/R	Bolt 3/8in-16NC x 7/8in	
33	0741607	1	Screw, Countersunk 3/8in-16NC x 7/8in	
34	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
35	3311605	5	Locknut 3/8in-16NC	

FIGURE 3-2. BOOMS & CYLINDERS INSTALLATION - 600AJ (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
36	0100011	A/R	Compound, Locking	12/K
37	4845127	1	Boom Rest Weldment (Front Entry Platform) (S/N 0300069000 to S/N 0300070977)	
38	0561076	1	Block, Boom Rest	
39	0641605	4	Bolt 3/8in-16NC x 5/8in	
40	0461614	1	Bolt 3/8in-16NC x 1-3/4in	
41	0641820	4	Bolt 1/2in-13NC x 2-1/2in (Front Entry Platform)	
42	4711800	8	Flatwasher 1/2in Thin (Front Entry Platform)	
43	3311805	4	Locknut 1/2in-13NC (Front Entry Platform)	
44	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8) (Front Entry Platform)	
45	4711600	4	Flatwasher 3/8in Thin (Front Entry Platform)	
46	0961947	6	Bushing, Composite	
47	0961948	2	Bushing, Composite	
48	0961949	4	Bushing, Composite	
49	0961951	2	Bushing, Composite	
50	0641810	6	Bolt 1/2in-13NC x 1in (Front Entry Platform)	
51	2080044	4	Rivnut	
52	0641611	1	Bolt 3/8in-16NC x 1-3/8in	
53 to 54	Not Used			
55	3900239	4	Setscrew	
56	3841340	1	Loop, Hose	
57	0641606	2	Bolt 3/8in-16NC x 3/4in	
58	0962335	4	Bushing, Composite	
	0255423	Ref.	POWER TRACK INSTALLATION	
101 to 107	Not Used			
108	0641403	4	Bolt 1/4in-20NC x 3/8in	
109 to 115	Not Used			
116	3539779	1	Plate, Cover	
117	1320243	1	Clamp, Block	
118	0641532	2	Bolt 5/16in-18NC x 4in	
119	4751600	2	Flatwasher 3/8in Regular (S/N 0300069000 to S/N 0300084624)	
120	4751400	4	Flatwasher 1/4in Regular	
121	3570374	1	Plate	
122	Not Used			
123	3311505	2	Nut 5/16in-18NC	
124	Not Used			
125	4751500	2	Flatwasher 5/16 Regular (S/N 0300084624 to S/N 0300087000)	
	0270821	Ref.	CABLE INSTALLATION	
201 to 215	Not Used			
216	1670769	1	Cover	
217	0561237	2	Clamp, Block	
218	0641416	4	Bolt 1/4in-20NC x 2in	
				7/F

SECTION 3 BOOM

FIGURE 3-2. BOOMS & CYLINDERS INSTALLATION - 600AJ (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0272070	Ref.	PLATFORM SUPPORT INSTALLATIONS (SIDE ENTRY PLAT-FORM)	C
301	0100011	A/R	Compound, Locking	
302	0641812	8	Bolt 1/2in-13NC x 1-1/2in	
303	0642684	1	Bolt 1in-8NC x 10-1/2in	
304	0681608	8	Bolt 3/8in-16NC x 1in	
305	3272605	1	Locknut 1in-8NC	
306	3311805	8	Locknut 1/2in-13NC	
307	4846573	1	Support Weldment	
308	4891600	8	Flatwasher 3/8in Hardened	
309	4891800	8	Flatwasher 1/2in Hardened	
310	4892600	1	Flatwasher 1in Hardened	

FIGURE 3-2. BOOMS & CYLINDERS INSTALLATION - 600AJ (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 3-3. TOWER BOOM ASSEMBLIES

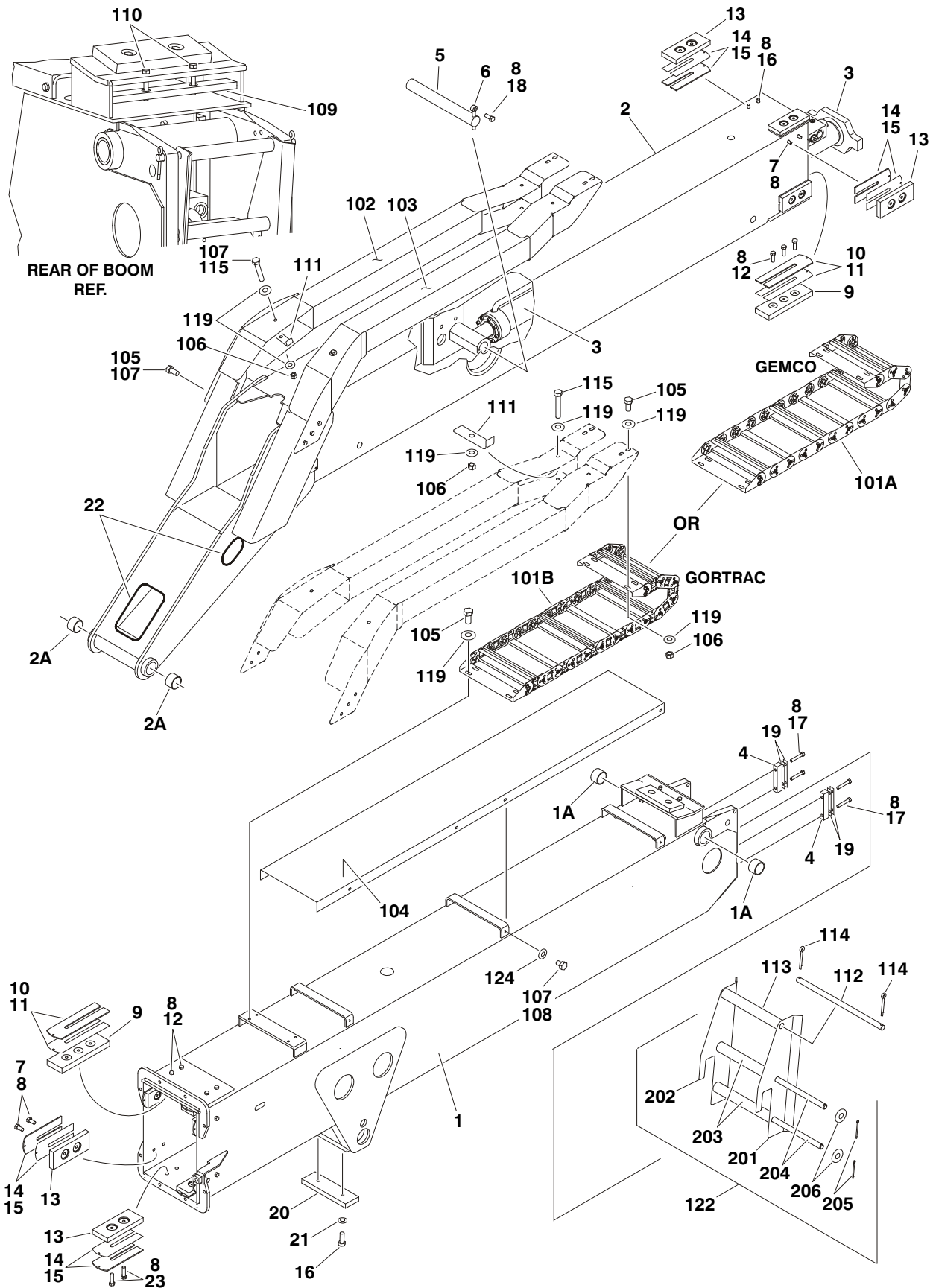


FIGURE 3-3. TOWER BOOM ASSEMBLIES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0801019	Ref.	TOWER BOOM ASSEMBLY	8/I
1	0801085	1	Base Weldment	
1A	0961949	2	Bushing, Garmax	
2	0801021	1	Fly Weldment	
2A	0961949	2	Bushing, Garmax	
3	1683312	1	Cylinder Assembly - Tower Telescope (See Section 5 for Breakdown)	
4	0561185	2	Block, Attach	
5	3422575	1	Pin	
6	3841203	1	Keeper, Pin	
7	0641606	26	Bolt 3/8in-16NC x 3/4in	
8	0100011	A/R	Compound, Locking	
9	3340871	4	Pad, Wear	
10	4070863	A/R	Shim .12	
11	4070864	A/R	Shim .05	
12	0641612	12	Bolt 3/8in-16NC x 1-1/2in	
13	3340881	12	Pad, Wear	
14	4070897	A/R	Shim .05	
15	4070898	A/R	Shim .12	
16	0641608	6	Bolt 3/8in-16NC x 1in	
17	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
18	0641809	1	Bolt 3/8in-16NC x 1-1/8in	
19	4070929	A/R	Shim	
20	0561248	1	Block, Boom Rest	
21	4711600	2	Flatwasher 3/8in Thin	
22	4060808	54in/137cm	Flex-Trim	
23	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
	0255423	Ref.	POWER TRACK INSTALLATION	12/K
101		1	Power Track Assembly Options:	
		Ref.	Note: Various Power Tracks use on this model. Identify brand before ordering parts.	
101A	Use 1001099835		Gemco Brand Power Track (was p/n 1180339)	
			Replacement Parts:	
	7016502	A/R	1Ft. Repair Section (Includes 10 Link Pin, 4 Radius Links, 4 Carrier Links, 1 Carrier Weldment, 10 Slugs & 20 Bearing Plates)	
	7016510	2 Pair	Feet, Mounting	
	7006152	A/R	Pin Kit (Includes 1 pin, 1 Retaining Ring & 4 Washers)	
101B	1001099835		Gortrac Brand Power Track	
			Replacement Parts:	
	70002001	A/R	Repair Section - 1 Foot	
	70002002	1	Mounting Bracket Kit	

SECTION 3 BOOM

FIGURE 3-3. TOWER BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
102	Use 1001151542	1	Tube Weldment (Right Side) (was p/n 4844984)	
103	Use 1001151586	1	Tube Weldment (Left Side) (was p/n 4844983)	
104	3539228	1	Plate, Cover	
105	0641606	14	Bolt 3/8in-16NC x 3/4in	
106	3311605	6	Locknut 3/8in-16NC	
107	0100011	A/R	Compound, Locking	
108	0641403	10	Bolt 1/4in-20NC x 3/8in	
109	3539236	1	Plate, Hose Clamp	
110	0641516	2	Bolt 5/16in-18NC x 2in	
111	3570375	2	Plate	
112	3841295	1	Rod	
113	4567241	1	Tube	
114	3450606	2	Pin, Cotter	
115	0641628	2	Bolt 3/8in-16NC x 3-1/2in	
116 to 118	Not Used			
119	4751600	14	Flatwasher 3/8in Regular (S/N 0300084624 to S/N 0300087000)	
120 to 121	Not Used			
122	0257573	1	Roller Hanger Assembly (Includes Items 201-205)	
123	Not Used			
124	4711400	6	Flatwasher 1/4in Regular (S/N 0300082634 to S/N 0300087000)	
125	Not Used			
	0257573	Ref.	ROLLER HANGER ASSEMBLY	
201	3570277	1	Plate (Left Side)	
202	3570270	1	Plate (Right Side)	
203	4567241	2	Roller, Tube	
204	3841347	2	Rod	
205	3450306	4	Pin, Cotter	
206	4751800	4	Flatwasher 1/2in Regular	

1/A

FIGURE 3-3. TOWER BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 3 BOOM

FIGURE 3-4. MAIN BOOM ASSEMBLIES

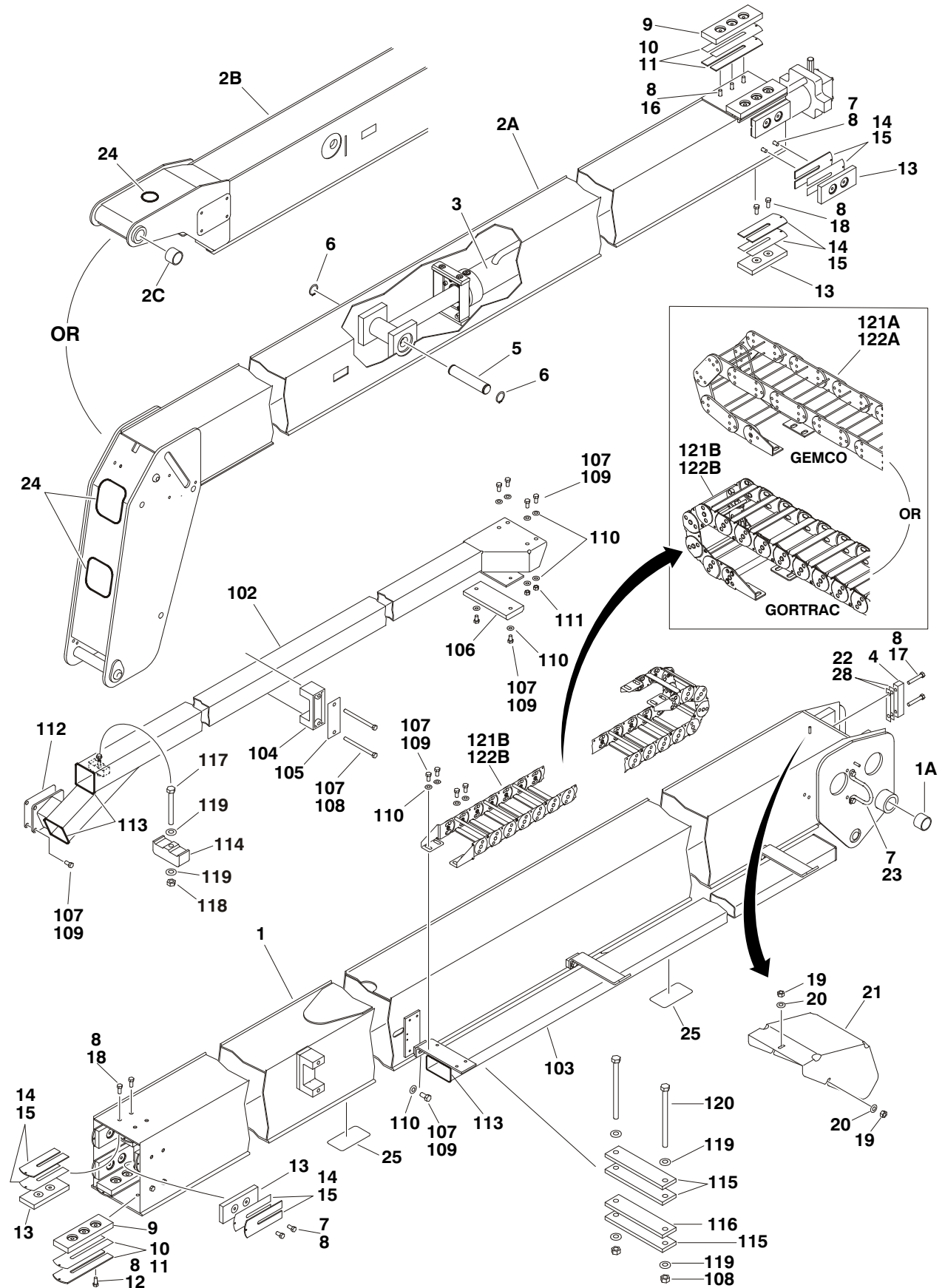


FIGURE 3-4. MAIN BOOM ASSEMBLIES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0801022	Ref.	BOOM ASSEMBLY - 600A	13/G
	0801025	Ref.	BOOM ASSEMBLY - 600AJ	8/E
1		1	Base Weldment Options:	
	0801023		600A	
	0801026		600AJ	
1A	0961948	2	Bushing, Garmax (Note: Must be Purchased Separately)	
2			Fly Weldment Options:	
2A	0801228	1	600A	
2B	0801027	1	600AJ	
2C		2	Bushing, Garmax Options (Note: Must be Purchased Separately):	
	Not Required		600A	
	0961951		600AJ	
3		1	Telescope Cylinder Assembly Options: (See Section 5 for Breakdown)	
	1683307		600A	
	1683317		600AJ	
4	0561185	2	Block	
5	3422457	1	Pin	
6	3760133	2	Ring, Retaining	
7	0641606	18	Bolt 3/8in-16NC 3/4in	
8	0100011	A/R	Compound, Locking	
9	3340871	4	Pad, Wear	
10	4070863	A/R	Shim .12	
11	4070864	A/R	Shim .05	
12	0641610	6	Bolt 3/8in-16NC x 1-1/4in	
13	3340881	12	Pad, Wear	
14	4070897	A/R	Shim .05	
15	4070898	A/R	Shim .12	
16	0641608	6	Bolt 3/8in-16NC x 1in	
17	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
18	0641607	8	Bolt 3/8in-16NC x 7/8in	
19	3311401	3	Nut 1/4in-20NC	
20	4751400	3	Flatwasher 1/4in Regular	
21	1670768	1	Cover, Boom	
22	4070929	A/R	Shim	
23	3841340	1	Clamp, Hose	
24	4060805	A/R	Flex-Trim	
25	1670836	6	Cover, Boom	
26		10ft./3m	Tape, Two Sided Foam Options:	
	4420060		600A	
	Not Required		600AJ	
27		1	Bar, Fiberglass Options:	
	0362529		600A	
	Not Required		600AJ	
28	4071007	A/R	Shim	

SECTION 3 BOOM

FIGURE 3-4. MAIN BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0255281	Ref.	POWER TRACK INSTALLATION - 600A	7/F
	0255288	Ref.	POWER TRACK INSTALLATION - 600AJ	6/E
101	Not Used			
102		1	Tube Weldment Options:	
	4844969		600A	
	4844978		600AJ	
103		1	Support, Power Track Options:	
	4844972		600A	
	4844979		600AJ	
104	3340764	2	Pad, Wear	
105	3538758	1	Plate, Cover Support	
106	Not Used	1	Pad Options:	
	3340787		600A	
	3340765		600AJ	
107	0100011	A/R	Compound, Locking	
108	0641640	2	Bolt 3/8in-16NC x 5in	
109	0641606	22	Bolt 3/8in-16NC x 3/4in	
110	4711600	18	Flatwasher 3/8in Thin	
111	3311605	4	Locknut 3/8in-16NC	
112	4070932	A/R	Shim	
113	4060804	A/R	Flex-Trim	
114	1320314	1	Clamp, Hose/Cable (S/N 0300070977 to S/N 0300087000)	
115		3	Plate Options (S/N 0300070977 to S/N 0300087000):	
	3574171		600A	
	3574185		600AJ	
116		3	Shim Options (S/N 0300070977 to S/N 0300087000):	
	4071061		600A	
	4071062		600AJ	
117	0641522	1	Bolt 5/16in-18NC x 2-3/4in (S/N 0300070977 to S/N 0300087000)	
118	3311505	3	Locknut 5/16in-18NC (S/N 0300070977 to S/N 0300087000)	
119	4711500	6	Flatwasher 5/16in Thin	
120	0641536	2	Bolt 5/16in-18NC x 4-1/2in (S/N 0300070977 to S/N 0300087000)	
121		1	600A Power Track Assembly Options:	
		Ref.	Note: Various Power Tracks use on this model. Identify brand before ordering parts.	
121A	Use 1001107153		Gemco Brand Power Track (was p/n 1180336)	
	7006140	A/R	1Ft. Repair Section (Includes 10 Link Pin, 4 Radius Links, 8 Carrier Links, 4 Rod Carrier, 8 Screws, 10 Slugs & 20 Bearing Plates)	
	7006151	2 Pair	Feet, Mounting	
	7006161	A/R	Rod	
	7006152	A/R	Pin Kit (Includes 1 pin, 1 Retaining Ring & 4 Washers)	
121B	1001107153		Gortrac Brand Power Track	
	70002011	A/R	Repair Section - 1 Foot	
	70002012	1	Mounting Bracket Kit	

FIGURE 3-4. MAIN BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
122		Ref.	600AJ Power Track Assembly Options: Note: Various Power Tracks use on this model. Identify brand before ordering parts.	
	Use 1001099836		Gemco Brand Power Track (was p/n 1180338)	
122A	7016519	A/R	1Ft. Repair Section (Includes 10 Link Pin, 4 Radius Links, 8 Carrier Links, 4 Rod Carrier, 8 Screws, 10 Slugs & 20 Bearing Plates)	
	7006151	2 Pair	Feet, Mounting	
	7016521	A/R	Rod	
	7006158	A/R	Screw	
	7006152	A/R	Pin Kit (Includes 1 pin, 1 Retaining Ring & 4 Washers)	
122B	1001099836		Gortrac Brand Power Track	
	70001999	A/R	Repair Section - 2 Foot	
	70002000	1	Mounting Bracket Kit	

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FIGURE 3-5. ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM)

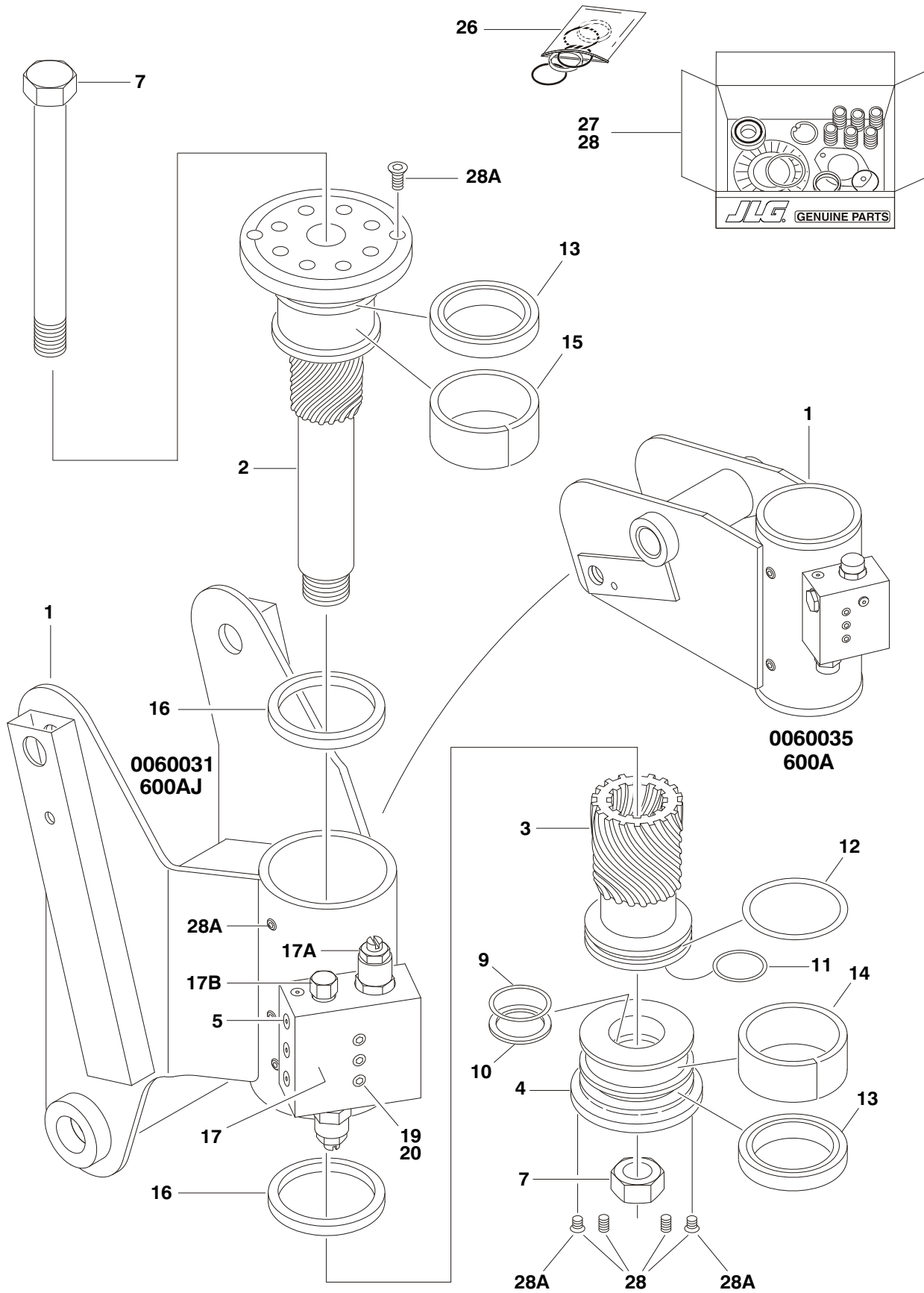


FIGURE 3-5. ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ROTATOR ASSEMBLIES	
	0060035	Ref.	600A (Original Equipment)	G
	0060076	Ref.	600A (Service Replacement)	B
	0060031	Ref.	600AJ (Original Equipment)	H
	0060074	Ref.	600AJ (Service Replacement)	B
		Ref.	Note: Before ordering parts, identify whether original equipment rotator has been replaced with service replacement. Service replacement rotator uses spacer plate bolted on the top with 8 capscrews (Not shown - located at item 2). Original equipment rotator does not use spacer plate.	
1	See Note	1	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Assembly)	
2		1	Shaft Weldment Options:	
	7017177		0060035 Rotators	
	Use 7017177		0060031 Rotators (was p/n 7017117)	
	7017162		0060076 & 0060074 Rotators	
	See Note	1	Plate, Spacer (Not Shown) (0060076 & 0060074 Rotators Only) (Note: Not Available for Purchase)	
3		1	Piston/Sleeve Options:	
	7017115		0060035 & 0060031 Rotators	
	7017163		0060076 & 0060074 Rotators	
4		1	Cap, End Options:	
	7017174		0060035 Rotators	
	Use 7017174		0060031 Rotators (was p/n 7017116)	
	7017164		0060076 & 0060074 Rotators	
5	See Note	6	Plug, Port (Note: Not Available for Purchase)	
6	Use 7017142	2	Plug	
7	7017119	1	Bolt 1in-8NC x 11in	
	3272605	A/R	Locknut 1in-8NC	
8	Not Used			
9	See Note	1	Seal, Cap (Note: Use Item 26)	
10	See Note	1	Ring, Back-up (Cap) (Note: Use Item 26)	
11	See Note	1	Seal, Rod (Note: Use Item 26)	
12	See Note	1	Seal, Piston (Note: Use Item 26)	
13	See Note	2	Packing, Bearing (Note: Use Item 26)	
14	See Note	1	Bearing, Cap (Note: Use Item 27)	
15	See Note	1	Bearing, Shaft (Note: Use Item 27)	
16	See Note	2	Thrustwasher (Note: Use Item 27)	
17		1	Valve Assembly Options:	
	Use 7017183		0060035 & 0060031 Rotators (was p/n 7017101)	
	7017183		0060076 & 0060074 Rotators	
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	
	See Note	2	Seal Kit - 7017193 Valve (Note: Not Available for Purchase)	

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FIGURE 3-5. ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
17B	7011332	A/R	Cartridge, Valve Options:	
	See Note	1	Cartridge for Helac p/n 24736	
	7011346	2	Cartridge for Helac p/n 27600 (Not Shown - Located on Side of Valve Block) (Note: Not Available for Purchase)	
	See Note	1	Seal Kit - 7011332 Valve	
			Seal Kit - Valve Located on Side of Block (Note: Not Available for Purchase)	
18	7017118	2	Setscrew (0060035 & 0060031 Rotators Only)	
19	See Note	3	Bolt 1/4in-20NC (Grade 8) (Note: Not Available for Purchase)	
20	3790110	3	O-Ring (Not Shown - Located between Valve & Actuator Housing)	
21 to 25	Not Used			
26		1	Seal Kit Options (Includes Items 9-13):	
	7017157		0060035 & 0060031 Rotators	
	7017158		0060076 & 0060074 Rotators	
27		1	Bearing Kit Options (Includes Items 14-16):	
	7017106		0060035 Rotators (600A Actual Production)	
	7017156		0060031 Rotators (600AJ Actual Production)	
	7017159		0060076 & 0060074 Rotators (Recommended Replacement)	
28	7017142	1	Hardware Kit for 0060035 & 0060031 Rotators (Includes End Cap Dowel Pins & Items 6 & 28A)	
28A	70001697	6	Screw, Countersunk 1/4in-20NC x 3/8in Grade 8	

FIGURE 3-5. ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 3-6. ROTATOR ASSEMBLIES (SIDE ENTRY PLATFORM)

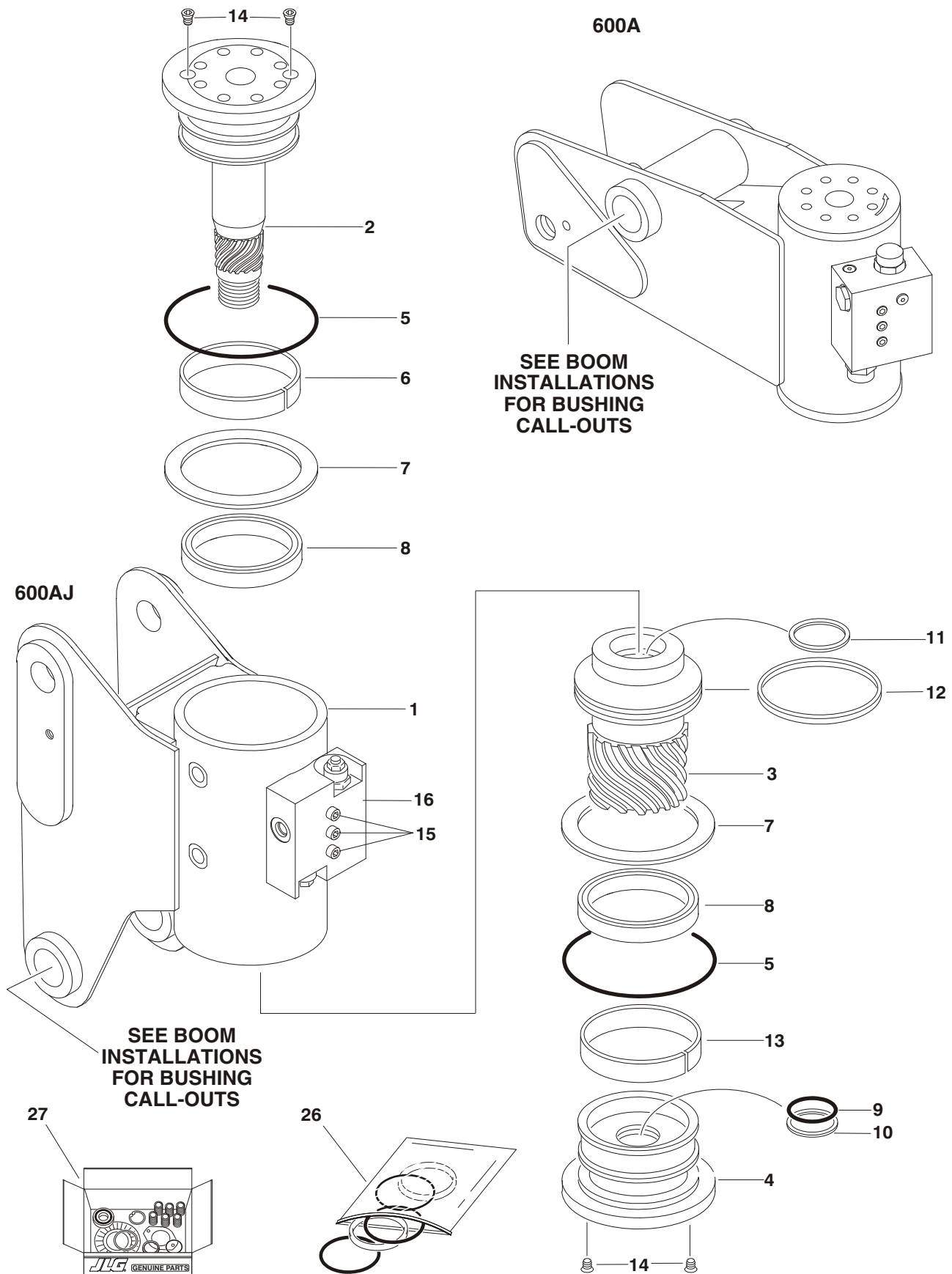


FIGURE 3-6. ROTATOR ASSEMBLIES (SIDE ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	ROTATOR ASSEMBLIES	
	0060068	Ref.	600A	A
	0060066	Ref.	600AJ	C
1	See Note	1	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Assembly)	
2	7017162	1	Weldment, Shaft	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
5	Use 7017158	2	O-Ring	
6	Use 7017159	1	Bearing, Shaft	
7	Use 7017159	2	Thrustwasher	
8	Use 7017158	2	Packing, Bearing	
9	Use 7017158	1	Seal, Cap	
10	Use 7017158	1	Ring, Back-Up Cap	
11	Use 7017158	1	Seal, Rod	
12	Use 7017158	1	Seal, Piston	
13	Use 7017159	1	Bearing, Cap	
14	70001697	6	Capscrew 1/4in-20NC x 3/8in (Grade 8)	
15	See Note	3	Bolt 1/4in-20NC (Grade 8) (Note: Not Available for Purchase)	
16	7017183	1	Valve Assembly	
	7017193	2	Cartridge, Valve	
	See Note	2	Seal Kit - 7017193 Valve (Note: Not Available - Purchase Complete Assembly)	
	See Note	1	Cartridge, Valve (Not Shown - Located on Side of Block) (Note: Not Available - Purchase Complete Assembly)	
	See Note	1	Seal Kit - Valve Located on Side of Block (Note: Not Available - Purchase Complete Assembly)	
17 to 25	Not Used			
26	7017158	1	Seal Kit (Includes Items 5 & 8-12)	
27	7017159	1	Bearing Kit (Includes Items 6, 7 & 13)	

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FIGURE 3-7. VALVES & SWITCHES INSTALLATION (BOOM MOUNTED)

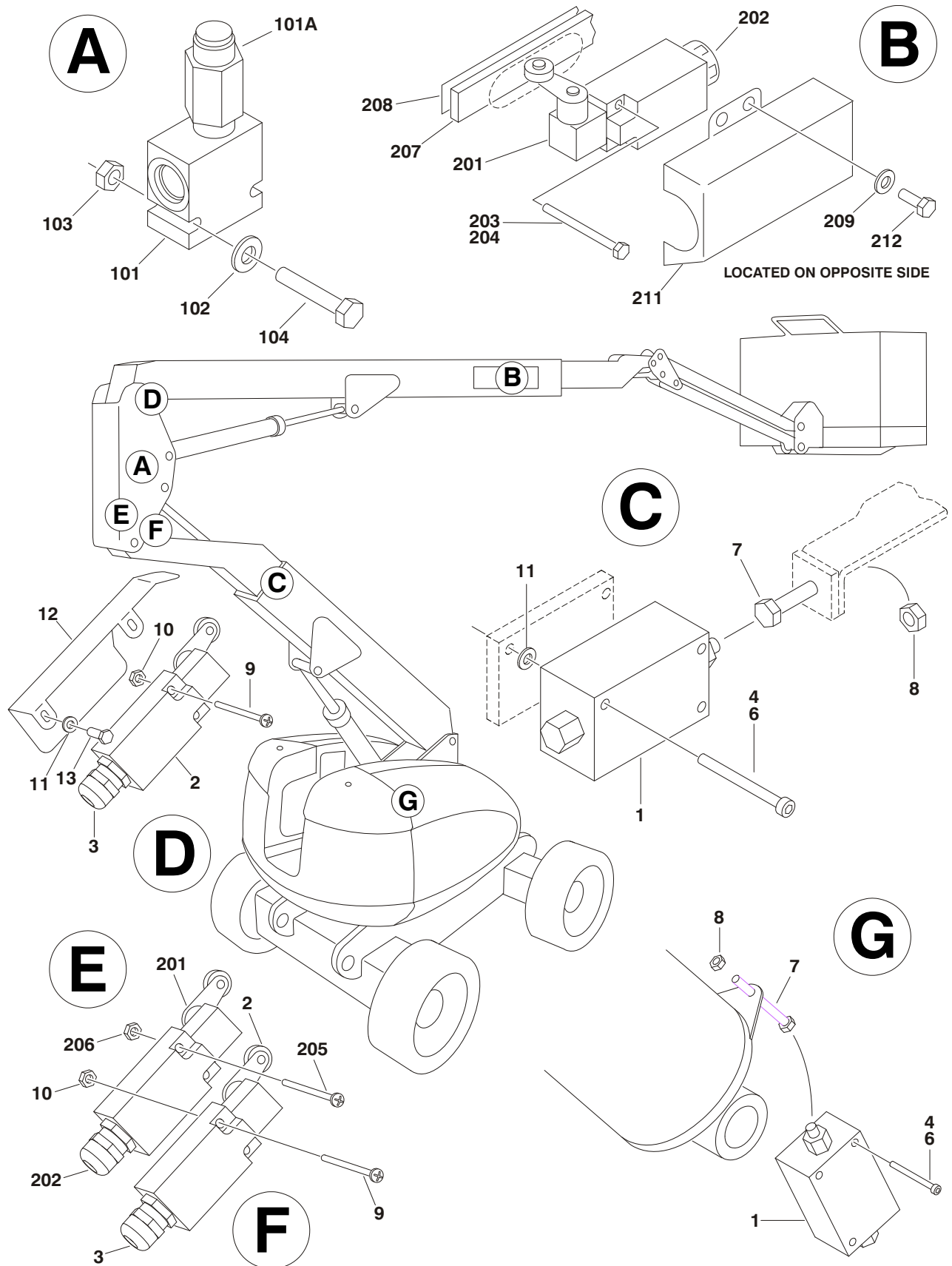


FIGURE 3-7. VALVES & SWITCHES INSTALLATION (BOOM MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0255438	Ref.	BOOM VALVES AND LIMIT SWITCHES INSTALLATION (STANDARD)	9/I
1	4641139	2	Valve, Manual 2-Way	
2		2	Switch, Limit Options: (Note: P/N 4360578 does not include #3 Connector - Purchase Separately)	
	Use 4360578		S/N 0300069000 to S/N 0300074445 (was p/n 4360322)	
	Use 4360578		S/N 0300074445 to S/N 0300080875 (was p/n 4360549)	
	4360578		S/N 0300080875 to S/N 0300087000	
3		2	Connector, Strain Relief Options:	
	4460428		Use with p/n 4360322 Switch	
	4460968		Use with p/n 4360549 & 4360578 Switches	
4	3931430	6	Bolt, Socket Head 1/4in-20NC x 1-7/8in	
5	Not Used			
6	0100011	A/R	Compound, Locking	
7	0630427	2	Bolt, Special	
8	3311801	3	Nut 1/2in-13NC	
9	3930824	4	Bolt, Socket Head #8-32NC x 1-1/2in	
10	3310801	4	Nut #8-32NC	
11	4751400	8	Flatwasher 1/4in Regular	
12	1670819	1	Cover, Switch	
13	3931408	2	Bolt, Socket 1/4in-20NC x 1/2in	
		Ref.	VALVES INSTALLATION	
	0255440	Ref.	600A 2WS (S/N 0300069000 to S/N 0300081836)	13
	0274276	Ref.	600A 2WS (S/N 0300081836 to S/N 0300084829)	1
	0274309	Ref.	600A 2WS (S/N 0300084829 to S/N 0300087000)	1
	0255442	Ref.	600A 4WS (S/N 0300069000 to S/N 0300081836)	12
	0274278	Ref.	600A 4WS (S/N 0300081836 to S/N 0300084829)	1
	0274311	Ref.	600A 4WS (S/N 0300084829 to S/N 0300087000)	1
	0255441	Ref.	600AJ 2WS (S/N 0300069000 to S/N 0300081836)	15
	0274277	Ref.	600AJ 2WS (S/N 0300081836 to S/N 0300084829)	1
	0274310	Ref.	600AJ 2WS (S/N 0300084829 to S/N 0300087000)	1
	0255443	Ref.	600AJ 4WS (S/N 0300069000 to S/N 0300081836)	12
	0274279	Ref.	600AJ 4WS (S/N 0300081836 to S/N 0300084829)	1
	0274312	Ref.	600AJ 4WS (S/N 0300084829 to S/N 0300087000)	1
101	4640929	1	Valve Assembly (Relief)	
101A	7012970	1	Cartridge	
	7012953	1	Seal Kit - 7012970 Cartridge	
102	4711400	2	Flatwasher 1/4in Thin	
103	3311405	2	Locknut 1/4in-20NC	
104	0641424	2	Bolt 1/4in-20NC x 3in	

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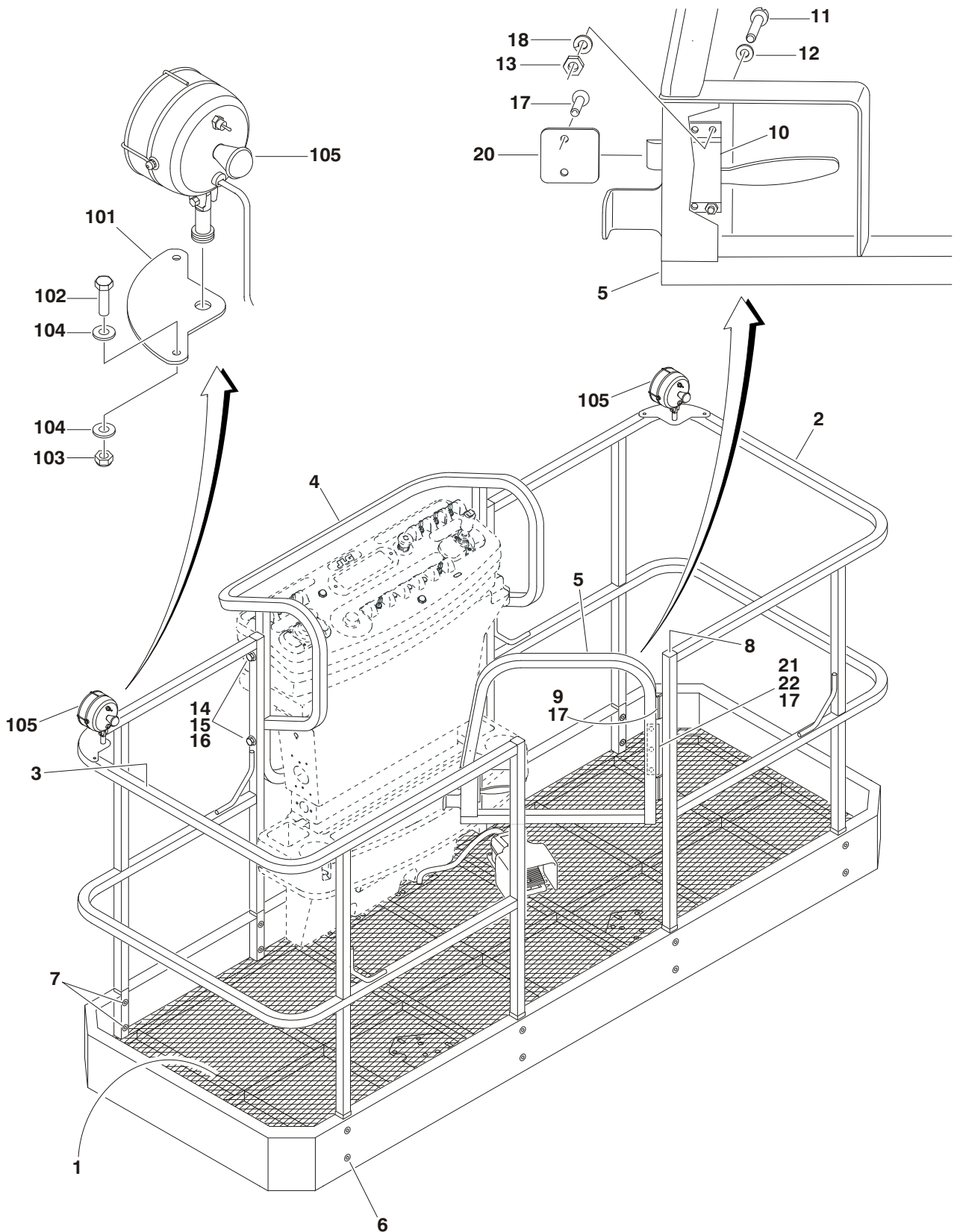
FIGURE 3-7. VALVES & SWITCHES INSTALLATION (BOOM MOUNTED) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0255699	Ref.	LIMIT SWITCHES INSTALLATION - 600A DUAL CAPACITY	5/C
201	Use 4360578 Use 4360578 4360578	2	Switch, Limit Options: (Note: P/N 4360578 does not include #3 Connector - Purchase Separately) S/N 0300069000 to S/N 0300074445 (was p/n 4360322) S/N 0300074445 to S/N 0300080875 (was p/n 4360549) S/N 0300080875 to S/N 0300087000	
202	4460428 4460968	2	Connector, Strain Relief Options: Use with p/n 4360322 Switch Use with p/n 4360549 & 4360578 Switches	
203	0100035	A/R	Compound, Locking	
204	3930816	2	Bolt, Socket Head #8-32NC x 1in	
205	3930824	2	Bolt, Socket Head #8-32NC x 1-1/2in	
206	3310805	2	Locknut #8-32NC	
207	0362529	1	Bar, Fiberglass	
208	4420060	9.8ft/3m	Tape, Foam	
209	4751400	4	Flatwasher 1/4in Regular	
210	Not Used			
211	1670824	1	Cover, Switch	
212	0641403	4	Bolt 1/4in-20NC x 3/8in	

SECTION 4 PLATFORM

SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM ASSEMBLIES (FRONT ENTRY PLATFORM)



SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM ASSEMBLIES (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	PLATFORM OPTIONS:	
	3510760	Ref.	4ft (1.22m) with Self-Closing Gate	3
	3510728	Ref.	5ft (1.52m) with Self-Closing Gate	3
	3510497	Ref.	6ft (1.83m) Standard	8
	3510542	Ref.	6ft (1.83m) with Self-Closing Gate	3
	3510545	Ref.	6ft (1.83m) with Mesh to Top Rail	—
	3510565	Ref.	6ft (1.83m) with Mesh to Top Rail & Self-Closing Gate	3
	3510488	Ref.	8ft (2.44m) Standard	8
	3510543	Ref.	8ft (2.44m) Self-Closing Gate	3
	3510546	Ref.	8ft (2.44m) with Mesh to Top Rail	—
	3510566	Ref.	8ft (2.44m) with Mesh to Top Rail & Self-Closing Gate	4
1		1	Floor Weldment Options:	
	4846253		4ft. (1.22m) Platforms	
	4846101		5ft. (1.52m) Platforms	
	4844954		6ft. (1.83m) Platforms	
	4844928		8ft. (2.44m) Platforms	
2		1	Rail Weldment - Right Side Options:	
	4846254		4ft. (1.22m) Standard Platforms	
	4846102		5ft. (1.52m) Standard Platforms	
	4844955		6ft. (1.83m) Standard Platforms	
	4845408		6ft. (1.83m) Mesh to Top Rail Platforms	
	4844924		8ft. (2.44m) Standard Platforms	
	4845412		8ft. (2.44m) Mesh to Top Rail Platforms	
3		1	Rail Weldment - Left Side Options:	
	4846255		4ft. (1.22m) Standard Platforms	
	4846103		5ft. (1.52m) Standard Platforms	
	4844956		6ft. (1.83m) Standard Platforms	
	4845409		6ft. (1.83m) Mesh to Top Rail Platforms	
	4844925		8ft. (2.44m) Standard Platforms	
	4845413		8ft. (2.44m) Mesh to Top Rail Platforms	
4	4845328	1	Rail Weldment - Back	
5		1	Gate Weldment Options:	
			With Self-Closing Gate	
	4845426		4ft. (1.22m) & 5ft. (1.52m) Platforms	
	4844926		6ft. (1.83m) & 8ft. (2.44m) Platforms	
			Standard Gate	
	4845327		6ft. (1.83m) & 8ft. (2.44m) Platforms	
			With Self-Closing Gate & Mesh to Top Rail	
	4845469		6ft. (1.83m) & 8ft. (2.44m) Platforms	
			Mesh to Top Rail	
	4845410		6ft. (1.83m) & 8ft. (2.44m) Platforms	
6	3900207	A/R	Fastener	
		Ref.	Note: P/N 3900207 Fastener may be replaced with p/n 0641416 bolt, p/n 4751400 flatwasher, p/n 3311405 locknut and p/n 3300151 acorn type nut. Acorn type nut required to meet industry safety requirements.	
7	3300393	A/R	Collar	
8	3520072	4	Plug, Cap	

SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM ASSEMBLIES (FRONT ENTRY PLATFORM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
9	2600287	2	Hinge	
10	2940074	1	Latch	
11	3911008	4	Screw #10-24NC x 1/2in	
12	4751000	4	Flatwasher #10 Regular	
13	3311005	4	Nut #10-24NC	
14	0641524	4	Bolt 5/16in-18NC x 3in	
15	3311505	4	Locknut 5/16in-18NC	
16	4751500	4	Flatwasher 5/16in Regular	
17	2080040	13	Fastener	
	7016652	1	Fastener Tool (Small Fasteners Only)	
18	Not Required	4	Lockwasher 3/8in	
19	Not Used			
20	3539685	1	Plate, Latch	
21		1	Stop, Gate Options:	
	4220165		Standard Gate	
	4220165		Self-Closing Gate	
22	4060803	0.6ft/0.2m	Trim	
		Ref.	WORKLIGHTS INSTALLATIONS (OPTIONAL)	
	0270814	Ref.	S/N 0300069000 to S/N 0300074445	
	0273492	Ref.	S/N 0300074445 to S/N 0300087000	
101	3536089	2	Plate, Mounting	3/E C
102	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
103	3311405	4	Locknut 1/4in-20NC	
104	4711400	8	Flatwasher 1/4in Thin	
105	2920140	2	Worklight	
	7016399	2	Bulb, Replacement (1 Per Worklight)	
106	4240099	10	Tie-Strap	
107	2820035	9ft/2.8m	Loom, Vinyl (Not Shown)	
108	4460042	2	End, Terminal (Not Shown)	
109		1	Connector, Strain Relief Options (Not Shown):	
	4460598		S/N 0300069000 to S/N 0300074445	
	4460426		S/N 0300074445 to S/N 0300087000	

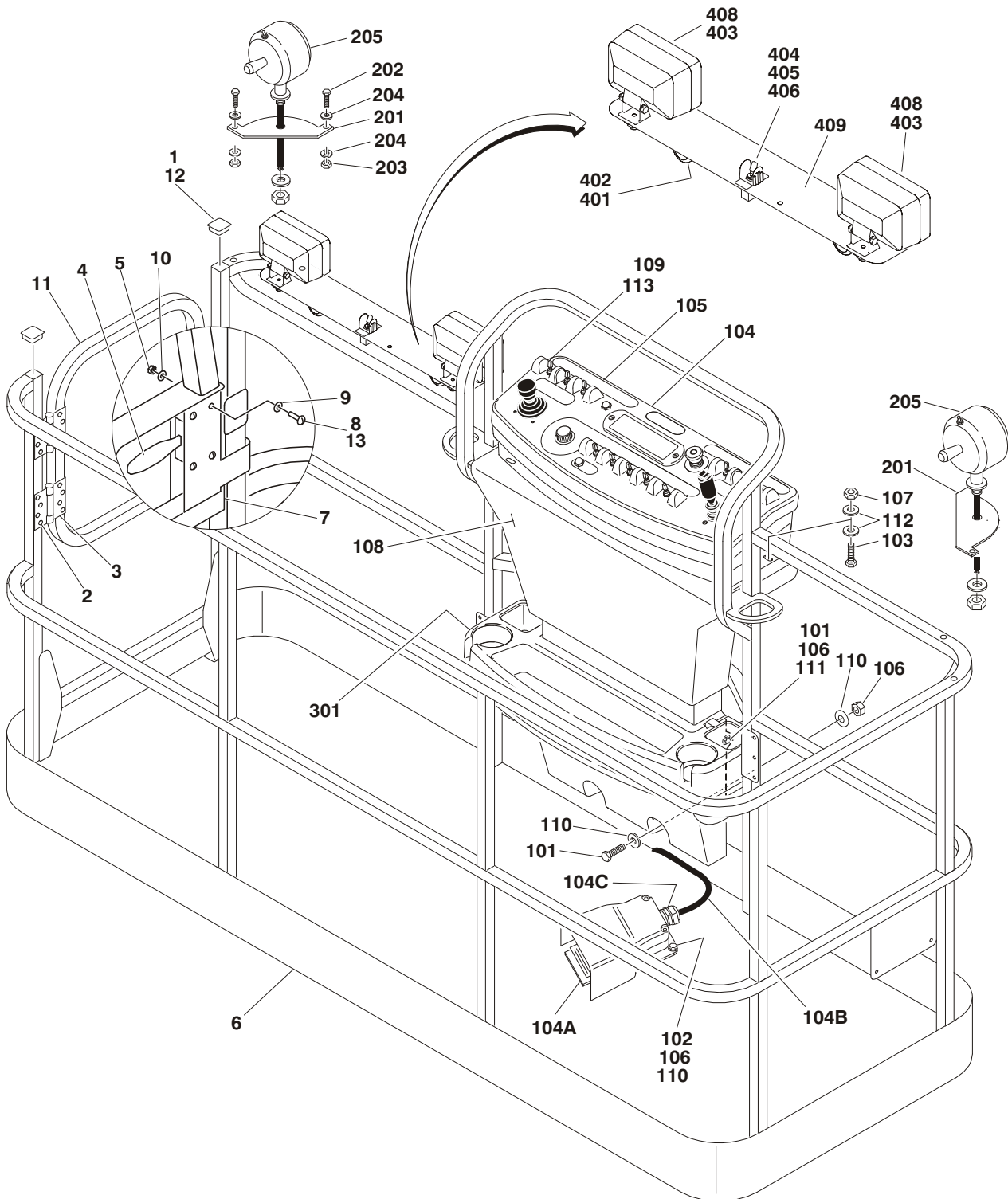
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FIGURE 4-1. PLATFORM ASSEMBLIES (FRONT ENTRY PLATFORM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY



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FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	PLATFORM ASSEMBLIES:	
	Use 1001144027	Ref.	2.6ft x 4ft (0.70m x 1.22m) with No Mesh (was p/n 3510830)	B/E
	Use 1001144026	Ref.	2.6ft x 5ft (0.70m x 1.52m) with No Mesh (was p/n 3510831)	B/E
	3510832	Ref.	2.6ft x 6ft (0.70m x 1.83m) with No Mesh (S/N 0300069000 to S/N 0300077490)	E
	Use 1001144024	Ref.	3ft x 6ft (0.9m x 1.83m) with No Mesh (was p/n 3510833)	B/E
	Use 1001144023	Ref.	3ft x 8ft (0.9m x 2.44m) with No Mesh (was p/n 3510822)	B/E
		Ref.	Note: Original Equipment platform may have been replaced with Service Replacement platform. Identify platform before ordering parts.	
		Ref.	Note: Platform and Mesh must be ordered separately for Platforms with Mesh. See Section 10 for Mesh Installations.	
		Ref.	Note: When replacing 8ft/2.44m platform with Soft Touch option, new Soft Touch Rail p/n 4846673 must be purchased to accommodate limit switch locations.	
		Ref.	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100040	A/R	Sealant, Adhesive (S/N 0300069000 to S/N 0300073445)	
2	2080040	16	Fastener, Huck	
3	2600281	2	Hinge, Self-Closing	
4	2940074	1	Latch	
5	3311001	4	Nut #10-24NC (S/N 0300069000 to S/N 0300077335)	
6	See Note	1	Platform Weldment (Note: Purchase Platform Assembly)	
7	3520072	A/R	Cap-Plug	
8		4	Hardware Options:	
	3911008		Screw #10-24NC x 1in (S/N 0300069000 to S/N 0300077335)	
	3820020		Pop Rivet (S/N 0300077335 to S/N 0300087000)	
9	4751000	4	Flatwasher #10 Regular	
10	4761000	4	Lockwasher #10 (S/N 0300069000 to S/N 0300077335)	
11		1	Gate Weldment Options:	
	4846452		Gate for Original Equipment Platform p/n 3510822, 3510830, 3510831, 3510833	
	1001144629		Gate for Service Replacement Platform p/ns 1001144023, 1001144024, 1001144026, 1001144027	
12	3520198	2	Square-Plug (S/N 0300073445 to S/N 0300087000)	
13	0100011	A/R	Compound, Locking (S/N 0300069000 to S/N 0300077335)	
		Ref.	CONSOLE BOX INSTALLATIONS	
	0271945	Ref.	2WD	A
	0271941	Ref.	4WD	A
101	0641406	4	Bolt 1/4in-20NC x 3/4in	
102	0641408	3	Bolt 1/4in-20NC x 1in	
103	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
104	0861517	1	Platform Console Box Assembly (See Figure 4-4 for Breakdown)	

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FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
104A	Use 0272970	1	Footswitch Assembly (Includes Footswitch & Items 104B & 104C)	B
		Ref.	Note: Assembly p/n 0272970 may use either p/n 4360031 or p/n 1001117320. If Original Equipment was replaced as an "assembly," p/n 1001117320 may have been used as part of the Service Replacement. Identify component before ordering parts.	
	4360031	1	Footswitch Less Cable Options:	
	1001117320		Original Equipment	
		A/R	Service Replacement	
	7000625	2	Block, Contact Options (see Note Above):	
	70003483	1	Contact Block for 4360031 Footswitch	
			Contact Block for 1001117320 Footswitch	
104B	1060918	7ft/2.14m	Cable, Electrical - 18/3	
104C	4460071	1	Connector, Strain Relief	
105		1	Decal - Horn Options:	
	1702563		2WD	
	1702676		4WD	
106	3311405	7	Locknut 1/4in-20NC	
107	3311605	4	Locknut 3/8in-16NC	
108	3380434	1	Panel, Decal Mount	
109	4360331	1	Switch (4WD)	
110	4740362	7	Flatwasher 1/4in Fender	
111	4751400	4	Flatwasher 1/4in Regular	
112	4751600	8	Flatwasher 3/8in Regular	
113	3790012	1	O-Ring	
		Ref.	WORKLIGHTS INSTALLATIONS (OPTIONAL)	
	0270814	Ref.	S/N 0300069000 to S/N 0300074445	3/E
	0273492	Ref.	S/N 0300074445 to S/N 0300087000	B
201	3536089	2	Plate, Mounting	
202	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
203	3311405	4	Locknut 1/4in-20NC	
204	4711400	8	Flatwasher 1/4in Thin	
205	2920140	2	Worklight	
	7016399	2	Bulb, Replacement (1 Per Worklight)	
206	4240099	10	Tie-Strap (Not Shown)	
207	2820035	9	Loom, Vinyl (Not Shown)	
208	Not Used			
209		1	Connector, Strain Relief Options (Not Shown - Located at Console Box):	
	4460598		S/N 0300069000 to S/N 0300074445	
	4460426		S/N 0300074445 to S/N 0300087000	
		Ref.	TRAY INSTALLATIONS (OPTIONAL)	
301	1580012	1	Tray, Storage (Center)	
302	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	

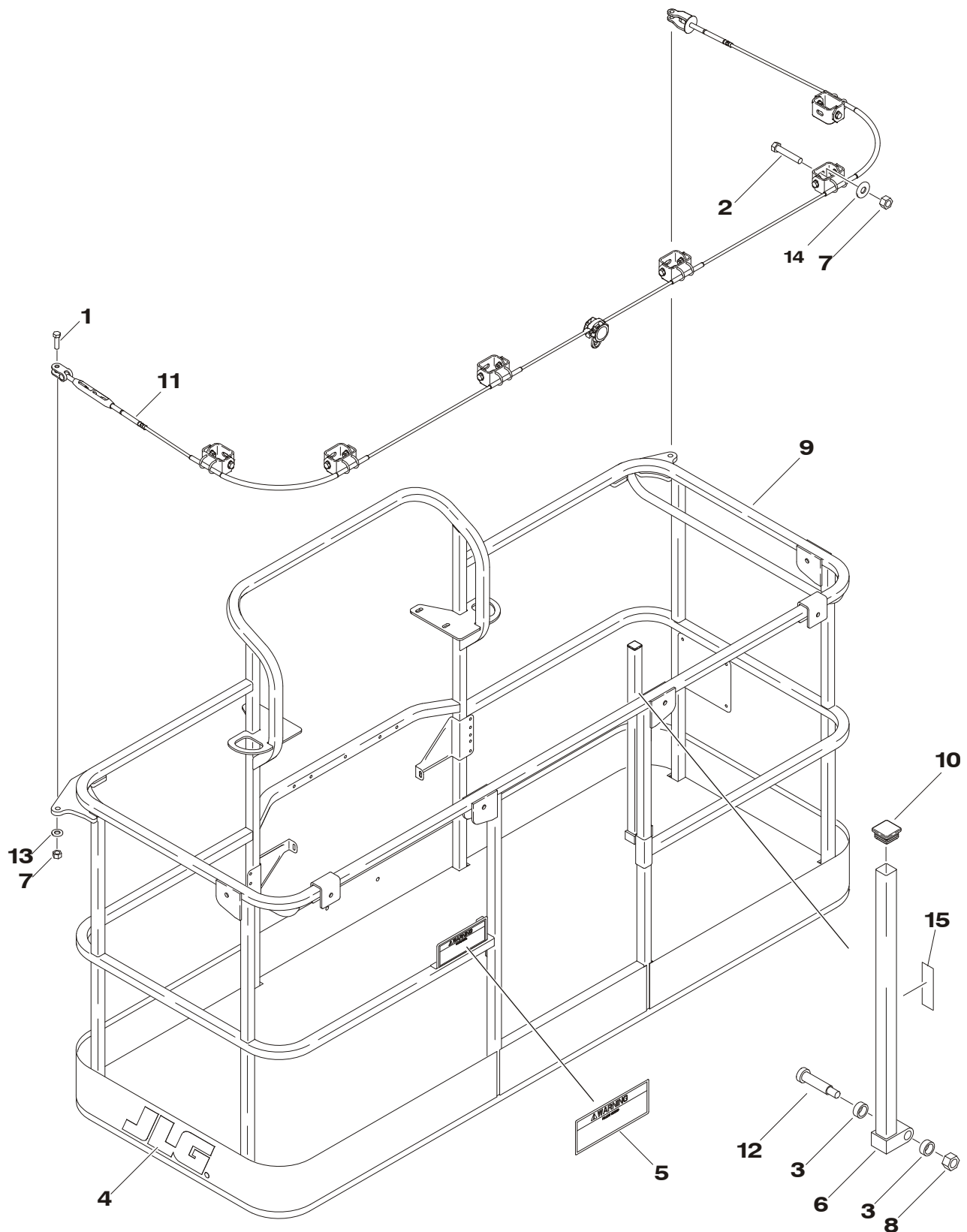
SECTION 4 PLATFORM

FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0274180	Ref.	FLOODLIGHT INSTALLATION	A
401	0641518	2	Bolt 5/16in-18NC x 2-1/4in	
402	2560173	2	Handle	
403	2920157	2	Lamp, Work Light	
404	3250585	1	Nameplate - Light On	
405	4060802	1	Guard, Switch	
406	4360336	1	Switch, Toggle	
407	4420037	1	Tape, Insulation (Not Shown)	
408	4751800	2	Flatwasher 1/2in Regular	
409	4846561	1	Mount, Light	
410	4922892	1	Harness 12/3 (Lower Boom) (Not Shown)	
411	4922894	1	Harness 12/3 (Upper Boom) (Not Shown)	

SECTION 4 PLATFORM

FIGURE 4-3. PLATFORM COMPONENTS INSTALLATION (FALL ARREST PLATFORM)



SECTION 4 PLATFORM

FIGURE 4-3. PLATFORM COMPONENTS INSTALLATION (FALL ARREST PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3510868	Ref.	PLATFORM ASSEMBLY (FALL ARREST)	B
1	0681814	2	Bolt 1/2in-13NC x 1-3/4in (Grade 8)	
2	0681822	6	Bolt 1/2in-13NC x 2-3/4in (Grade 8)	
3	0962270	2	Bearing, Oilite	
4	1702773	1	Decal - JLG	
5	1705014	1	Decal - Safety	
6	2410014	1	Gate Weldment	
7	3271805	8	Locknut 1/2in-13NC (Grade 8)	
8	3311605	1	Locknut 3/8in-16NC	
9	See Note	1	Platform Weldment (Note: Purchase Platform Assembly)	
10	3520072	1	Cap-Plug	
11	3890040	1	Cable, Fall Arrest	
12	3900054	1	Bolt 1/2in-13NC x 1-3/4in	
13	4711800	2	Flatwasher 1/2in Thin	
14	4751800	6	Flatwasher 1/2in Regular	
15	1706385	1	Decal - Drop Bar (S/N 0300085921 to S/N 0300087000)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY

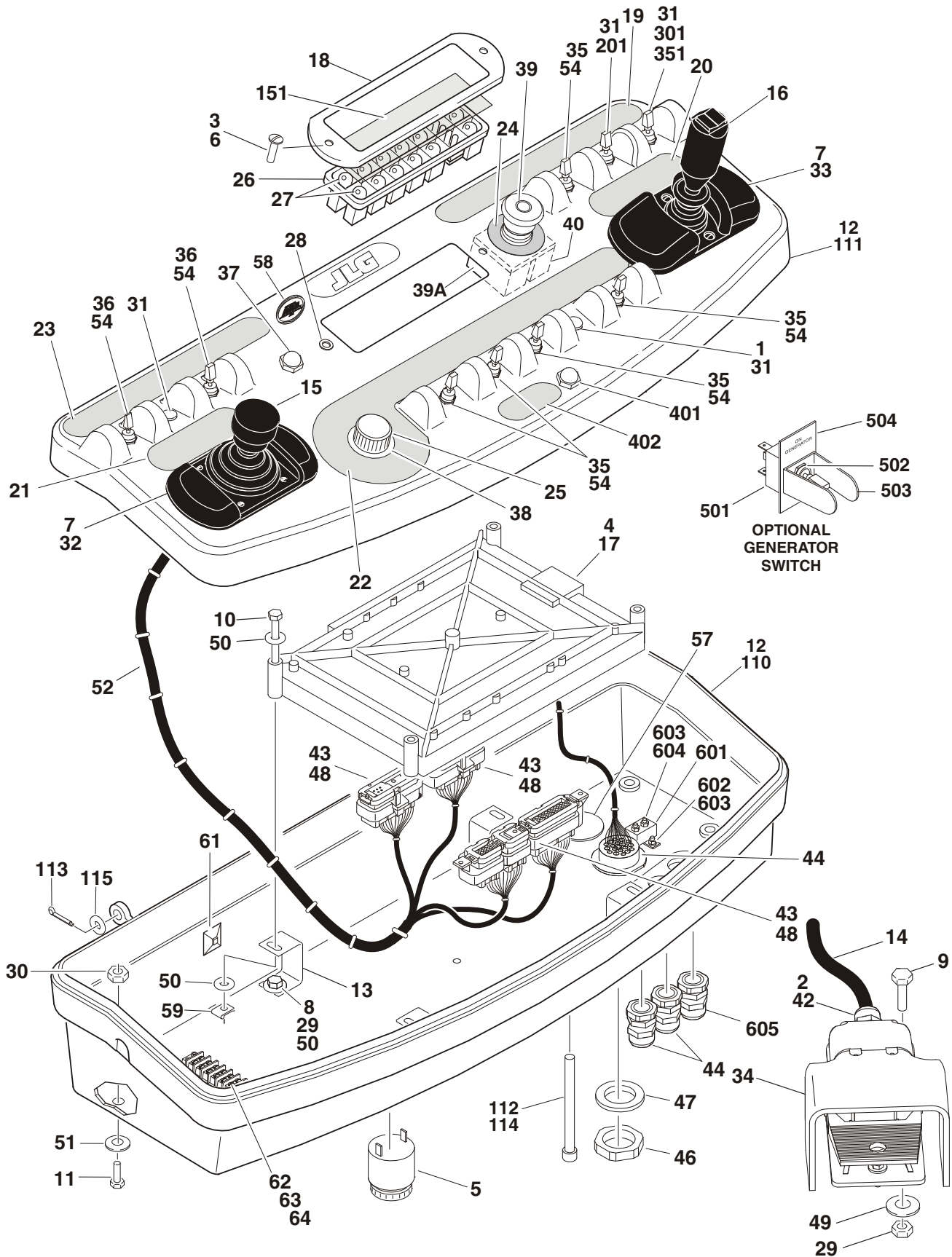


FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0861517	Ref.	CONSOLE BOX & FOOTSWITCH ASSEMBLIES	G
1	0100009	A/R	Sealant	
2	0100020	A/R	Sealant	
3	0100035	A/R	Compound, Locking	
4	0100048	A/R	Grease, Dielectric	
5	0140011	1	Alarm	
6	0630464	2	Screw, Button Head #10-24NC x 1/2in	
7	0641404	8	Bolt 1/4in-20NC x 1/2in	
8	0641406	4	Bolt 1/4in-20NC x 3/4in	
9	0641408	3	Bolt 1/4in-20NC x 1in	
10	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
11	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
12	0861537	1	Box, Console (See Items 101-115 for Breakdown)	
13	0902751	4	Bracket, Card Support	
14	1060918	8ft/2.4m	Cable	
15	Use 1001129555	1	Controller Assembly (Lift & Swing) (See Figure 4-5 for Breakdown) (was p/n 1600317 & 1001118417)	
16	Use 1001118416	1	Controller Assembly (Drive & Steer) (See Figure 4-6 for Breakdown) (was p/n 1600318)	
17		1	Controller, Module (Re-calibration Required when Replaced) Options: Use 1600375 S/N 0300069000 to S/N 0300077490 (was p/n 1600313) S/N 0300077490 to S/N 0300087000	
18	1670829	1	Bezel	
19		1	Decal (Stop) Options: 1702564 S/N 0300069000 to S/N 0300073028 1704997 S/N 0300073028 to S/N 0300087000	
20	1702565	1	Decal (Drive and Steer)	
21	1702566	1	Decal (Lift and Swing)	
22	1702567	1	Decal (Function Speed)	
23	1702676	1	Decal (Horn)	
24	1704260	1	Decal - EMS	
25	2560136	1	Handle, Knob	
26	2760105	1	Housing, Display Light	
27	2920129	12	Bulb, Light	
28	3300408	2	Locknut, Nylon Insert	
29	3311405	11	Locknut 1/4in-20NC	
30	3311605	4	Locknut 3/8in-16NC	
31	3520054	4	Plug, Hole	
32	4340678	1	Support, Hand	
33	4340684	1	Support, Hand	
34	4360031	1	Footswitch	
	7000625	2	Block, Contact	
35	4360328	6	Switch, Toggle	
36	4360331	1	Switch, Toggle	
37	4360387	1	Switch, Pushbutton	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
38	4360407	1	Controller, Speed	C
	See Note	1	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller.)	
	70003784	1	Seal	
39	4360475	1	Switch, Emergency Stop	
	7020175	1	Cap, Red	
39A	7020176	1	Contact Block	
40	4360476	1	Block, Contact	
41	4460042	3	Terminal, Ring (Not Shown)	
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	Connector, Amp Seal Plug	
49	4740362	3	Flatwasher 1/4in Fender	
50	4751400	16	Flatwasher 1/4in Regular	
51	4751600	4	Flatwasher 3/8in Regular	
52	4922639	1	Harness, Platform Box	
53	4922666	1	Harness, Analyzer Cable (Not Shown)	
	4460871	4	Terminal, Socket	
	4460761	1	Housing - 4 Position	
	4460227	4	Pin	
54	3790012	7	O-Ring	
55	4460708	2	Connector, Female - 15 Position (Not Shown - See Section 7 for Location)	
56	0100081	A/R	Adhesive	
57	1671037	1	Cover	
58	1705132	1	Decal - ADE	
59	3300353	4	Nut, Tinnerman	
60	4460226	3	Wire, Tie (Not Shown)	
61	4460488	1	Base, Mounting	
62	0721008	1	Bolt #10-24NC x 1 (S/N 0300071584 to S/N 0300087000)	
63	3311001	1	Nut #10-24NC (S/N 0300071584 to S/N 0300087000)	
64	4460007	1	Bar, Buss (S/N 0300071584 to S/N 0300087000)	
	0272970	1	Preassembled Footswitch Kit (Includes Items 2, 14, 34, 41, 42, 43 & 45)	
	1001119561	1	Decal Kit (Includes Items 19-24, 58 & 151) (was p/n 2910869)	
	0861537	Ref.	CONSOLE BOX ASSEMBLY	
101 to 109	Not Used			
110	Use 0861537	1	Console Bottom (Note: Not Available for Purchase)	
111	Use 0861537	1	Console Top (Note: Not Available for Purchase)	
112	3311601	1	Nut 3/8in-16NC	
113		2	Pin Options:	
	3450304		Pin, Cotter (S/N 0300069000 to S/N 0300073731)	
	3420156		Hair Pin, Cotter (S/N 0300073731 to S/N 0300087000)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
114	0630568	1	Screw 3/8in-16NC x 4-1/2in	
115	4711500	2	Flatwasher 5/16in Thin	
	0256631	Ref.	LIGHT PANEL DECAL INSTALLATION	—
151	1702387	1	Decal - Display	
	0270764	Ref.	DUAL FUEL SWITCH INSTALLATION	5
201	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
	0271552	Ref.	HEAD & TAIL LIGHTS INSTALLATION (OPTIONAL)	2
301	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
	0274200	Ref.	CHASSIS ILLUMINATION LIGHT INSTALLATION	1/A
351	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
		Ref.	SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)	
	0273824	Ref.	Soft Touch - 36 x 72	A
	0272427	Ref.	Soft Touch - 36 x 96	C
401	4360387	1	Switch, Pushbutton	
402	1702938	1	Decal - Soft Touch Override	
		Ref.	GENERATOR INSTALLATION (OPTIONAL)	
	0273518	Ref.	110V/60Hz - Caterpillar	1/A
	0273538	Ref.	110V/50Hz - Caterpillar	1/A
	0273539	Ref.	220V/50Hz - Caterpillar	1/A
	0272480	Ref.	110v/60Hz - Deutz	2
	0272481	Ref.	220v/50Hz - Deutz	2
	0271545	Ref.	110v/60Hz - Ford	5
	0271546	Ref.	220v/50Hz - Ford	4
501	4360336	1	Switch, Toggle	
502	4740397	1	Bushing	
503	4060802	1	Guard, Switch	
504	3251102	1	Decal - Generator ON/OFF	
		Ref.	PLATFORM WORKLIGHT INSTALLATION (OPTIONAL)	
	0270814	Ref.	S/N 0300069000 to S/N 0300074445	3/E
	0273492	Ref.	S/N 0300074445 to S/N 0300087000	B
601	4360232	1	Breaker, Circuit - 15Amp (S/N 0300069000 to S/N 0300074445)	
602	0721003	2	Bolt #10-24NC x 3/8in (S/N 0300069000 to S/N 0300074445)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
603	4761000	4	Lockwasher #10 (S/N 0300069000 to S/N 0300074445)	
604	3311001	2	Nut #10-24NC (S/N 0300069000 to S/N 0300074445)	
605		1	Connector, Strain Relief Options:	
	4460598		S/N 0300069000 to S/N 0300074425	
	4460426		S/N 0300074425 to S/N 0300087000	

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY (LIFT AND SWING)

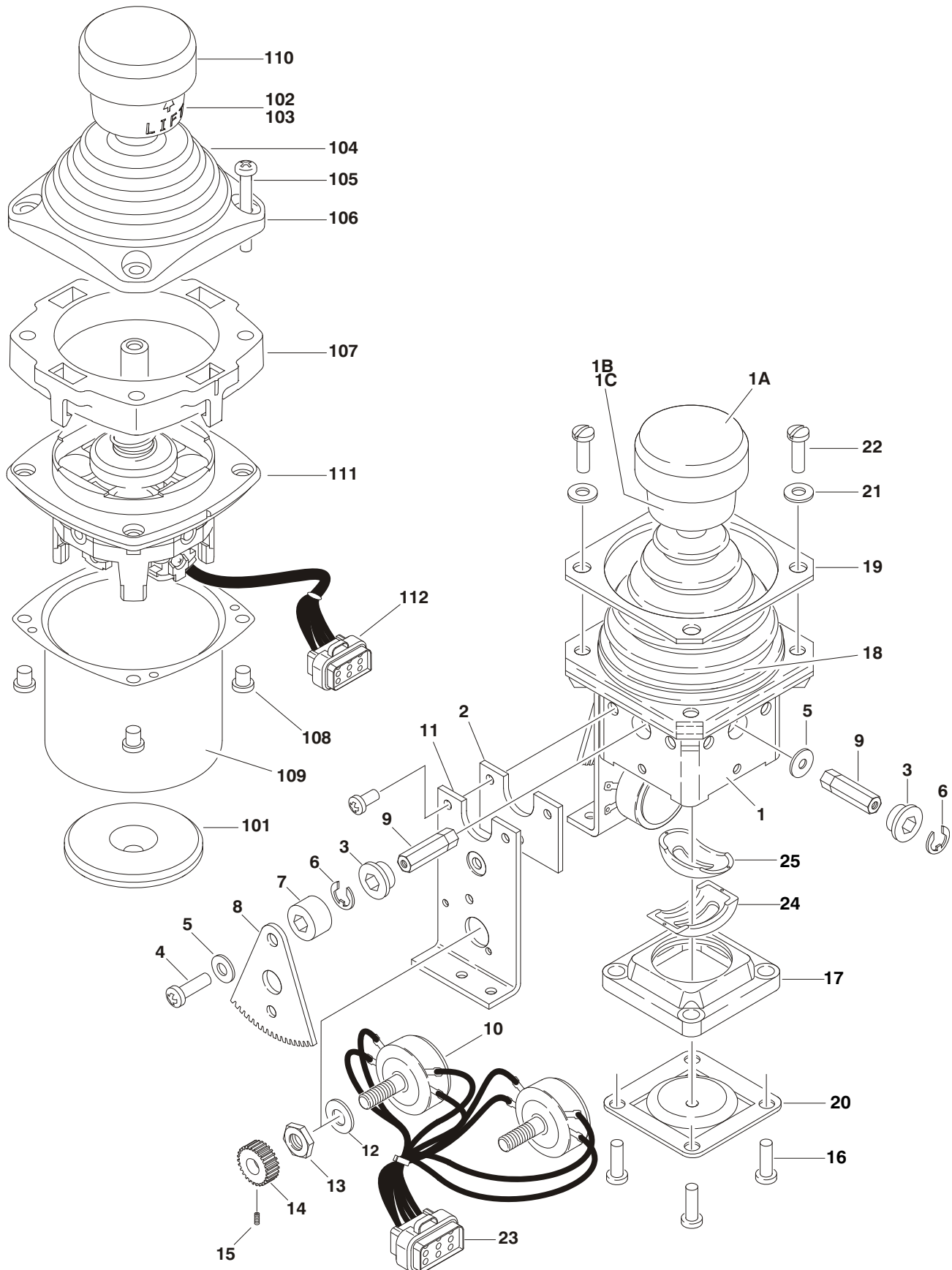


FIGURE 4-5. CONTROLLER ASSEMBLY (LIFT AND SWING)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	CONTROLLER ASSEMBLY	
	1600317	Ref.	Controller Assembly (OEM)	B
		Ref.	Note: Use p/n 1001129555 Kit as replacement of Complete Assembly.	
1	7019141	1	Mechanical Assembly (Includes Base, Handle Stem & Items 1A, 1B, 1C & 18)	
1A	7019197	1	Handle Cap & 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		2	Shaft Options:	
	7019147		Shaft, Short	
	7019177		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	Use 1001129555	1	Center, Detent (Note: Not Available for Purchase)	
21	7003953	4	Washer	
22	7022817	4	Screw	
23	7022819	1	Plug, Male 8 Position (Natural)	
	4460871	8	Socket, Female	
24	7019122	1	Gimble, Outer	
25	7019123	1	Gimble, Inner	
	See Note	Ref.	Controller Assembly (Service Replacement)	
		Ref.	Note: Was p/n 1001118417 Assembly - Use p/n 1001129555 Kit as replacement.	
101	70002730	1	Gasket	
102	7003928	1	Spring	
103	7022808	1	Cap, Lift	
104	70002731	1	Boot	
105	70002732	4	Screw	
106	7022815	1	Bezel	
107	70002733	1	Adapter	
108	70002734	4	Screw	

SECTION 4 PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY (LIFT AND SWING) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
109	70002735	1	Can, Enclosure	
110	70002906	1	Cap	
111	Use 1001129555	1	Mechanical Assembly (Note: Not Available for Purchase)	
112	7022819	1	Plug, Male 8 Position (Natural) (Not Shown)	
	4460871	6	Socket, Female	

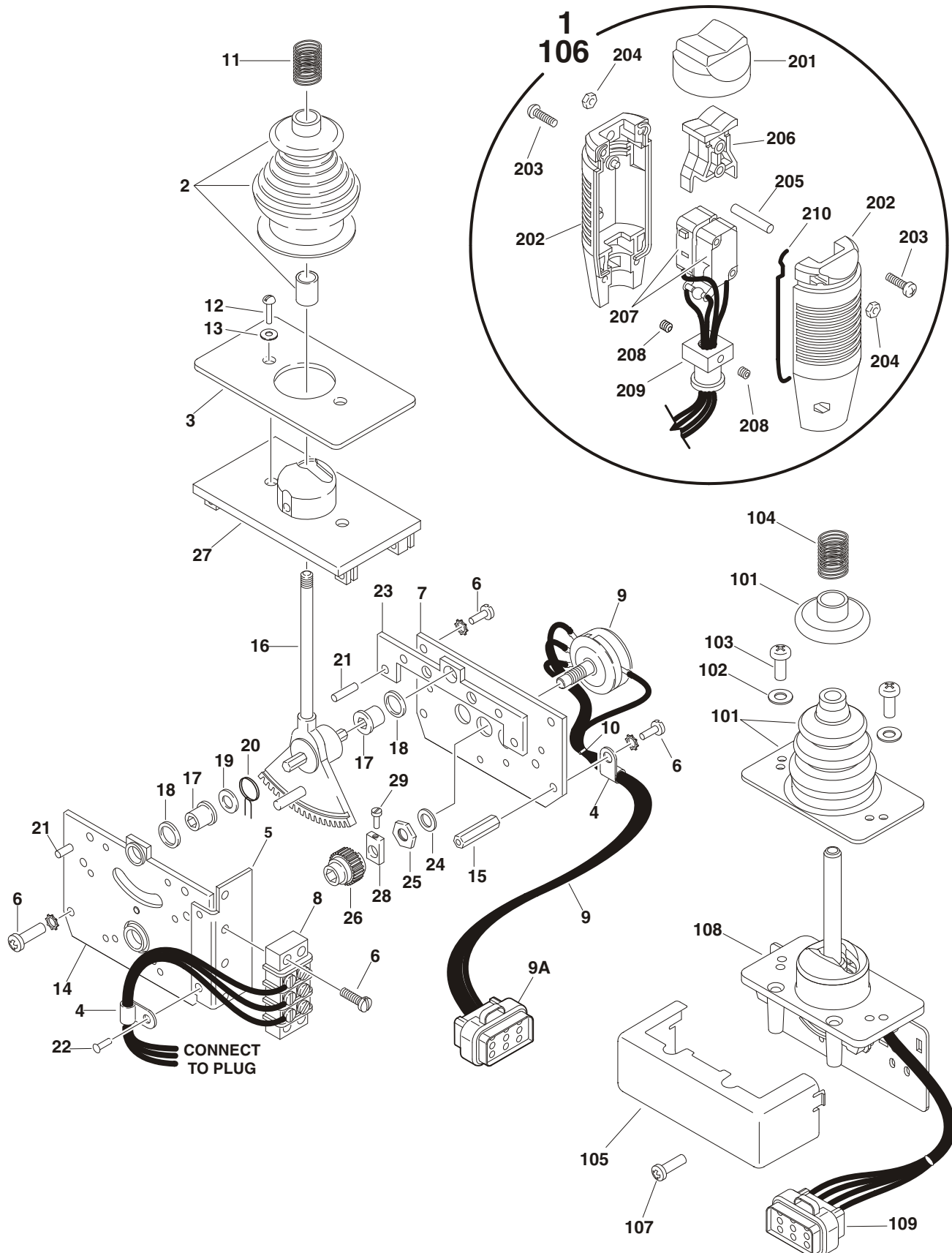
SECTION 4 PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY (LIFT AND SWING) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-6. CONTROLLER ASSEMBLY (DRIVE AND STEER)



SECTION 4 PLATFORM

FIGURE 4-6. CONTROLLER ASSEMBLY (DRIVE AND STEER)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	CONTROLLER ASSEMBLY	
	1600318	Ref.	Controller Assembly (OEM)	C
1	7022812	1	Handle Assembly (See Items 201-210 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	Use 1001113961	1	Plug, Male - 8 Position (Black) (was p/n 7022825)	
	4460871	7	Socket, Female	
10	7019151	A/R	Tie-Strap	
11	7019162	1	Spring	
12	7003969	2	Screw	
13	7003941	2	Washer	
14	See Note	1	Plate, Mounting (Left Side) (Note: Not Available for Purchase)	
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	See Note	1	Rivet (Note: Not Available - Purchase Locally)	
23	7019168	1	Plate, Mounting (Right Side)	
24	7003992	1	Washer	
25	7003993	1	Nut	
26	7003935	1	Gear, Slave	
27	7019160	1	Plate, Base	
28	7019114	1	Coupling, Potentiometer	
29	See Note	1	Cup Point Screw (Note: Not Available for Purchase)	
	1001118416	Ref.	Controller Assembly (Service Replacement)	A
101	70002724	1	Boot & Control Lock Assembly	
102	7003941	2	Washer	
103	70002725	2	Screw	
104	7019162	1	Spring	
105	70002726	1	Enclosure	
106	70002727	1	Handle Assembly (See Items 201-210 for Breakdown)	
107	70002728	1	Screw	
108	Use 1001118416	1	Mechanical Assembly	
109	7022825	1	Plug, Male - 8 Position (Black)	
	4460871	7	Socket, Female	

SECTION 4 PLATFORM

FIGURE 4-6. CONTROLLER ASSEMBLY (DRIVE AND STEER) (CONTINUED)

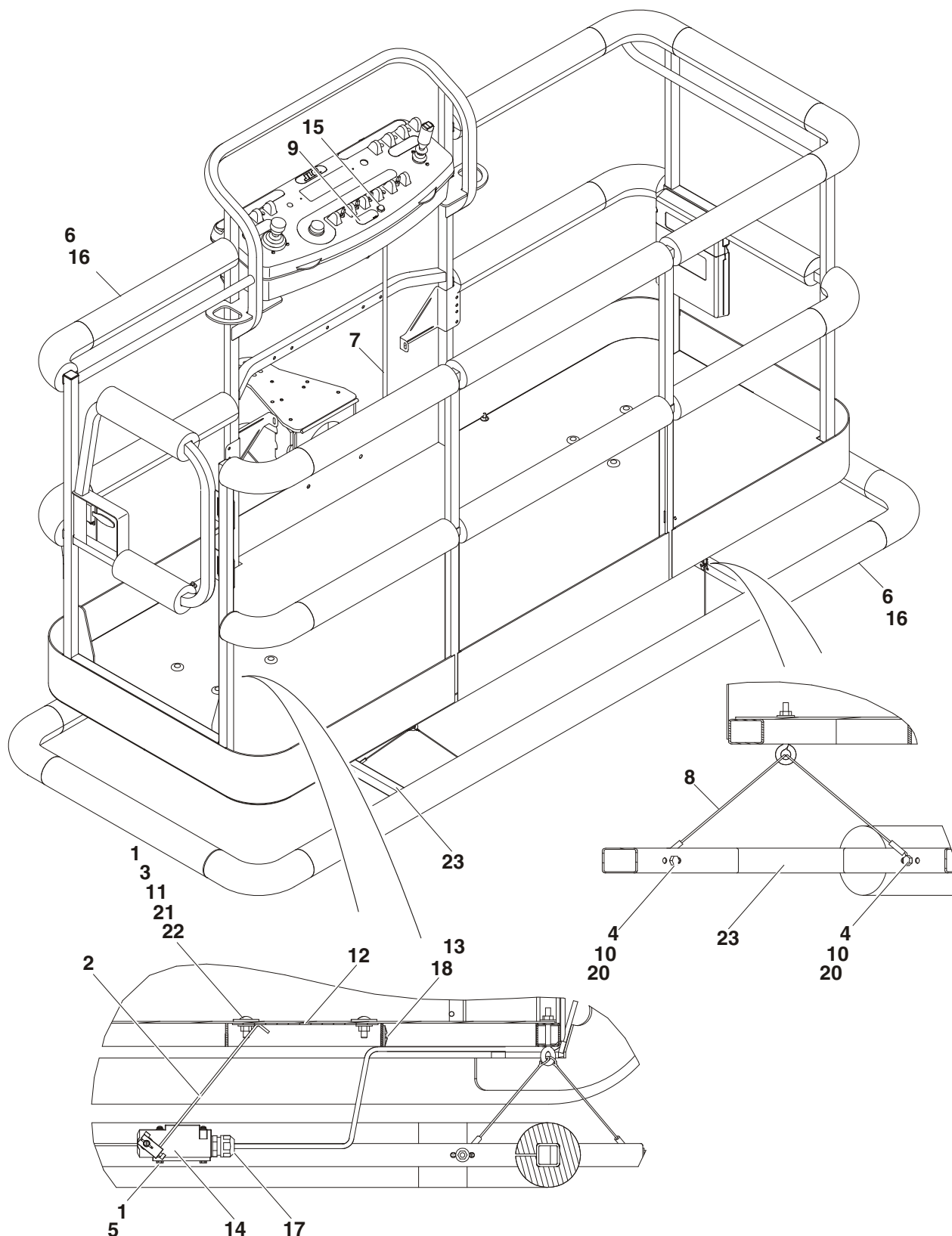
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	HANDLE ASSEMBLY	
	7022812	Ref.	Controller Assembly p/n 16000318	
	70002727	Ref.	Controller Assembly p/n 1001118416	
201	7003972	1	Boot, Switch	
202	7003973	2	Half, Handle	
203	7003980	4	Screw	
204	7019167	4	Nut	
205	7019164	1	Axle	
206	7019165	1	Rocker	
207		1	Wiring Assembly	
	See Note		Wiring for Controller Assy p/n 16000318 (Note: Not Available for Purchase)	
	70002729		Wiring for Controller Assy p/n 1001118416	
		2	Switch, Micro Options:	
	7019166		Switch for Controller Assy p/n 16000318	
	7003982		Switch for Controller Assy p/n 1001118416	
208	7003983	2	Setscrew	
209	7019194	1	Coupling	
210	7003989	2	Gasket	

FIGURE 4-6. CONTROLLER ASSEMBLY (DRIVE AND STEER) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-7. SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)



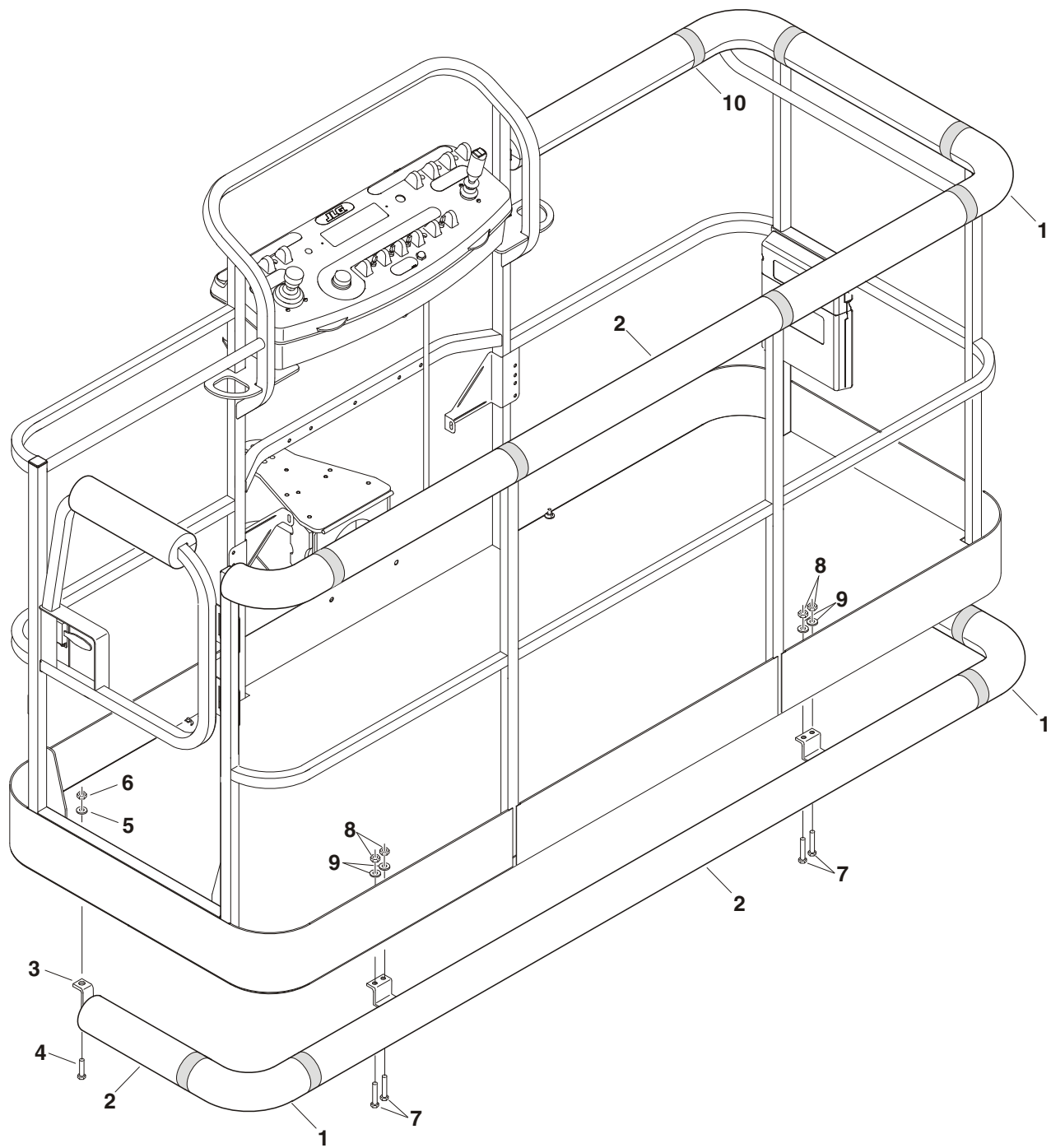
SECTION 4 PLATFORM

FIGURE 4-7. SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	SOFT TOUCH SYSTEM INSTALLATIONS	
	0273824	Ref.	6ft Platforms (Side Entry Platform)	A
	0272427	Ref.	8ft Platforms (Side Entry Platform)	C
	0273706	Ref.	8Ft/2.4m Platforms w/Fall Arrest	A
1	0100011	A/R	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt, Carriage	
4	0641414	8	Bolt 1/4in-20NC x 1-3/4in	
5	0721005	4	Bolt #10-24NC x 5/8in	
6		1	Bumper Kits (Includes Corners and Enough Straight Material for One Platform)	
	0940134		6ft Platform	
	0940103		8ft Platform	
	0940133		8Ft/2.4m Platforms w/Fall Arrest	
	0940092		Bumper (Corner) Options:	
		12	6ft/8ft Platform	
		8	8Ft/2.4m Platforms w/Fall Arrest	
	0940094	A/R	Bumper (12ft Length)	
7	1060341		Cable, Electrical - 16/2 Options:	
		22ft/6.7m	6ft Platform	
		23ft/7m	8ft Platform	
8	1060903	4	Wire Rope & Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4in-20NC	
11	3311501	8	Nut 5/16in-18NC	
12		2	Plate, Switch Strike Options:	
	3575359		6ft Platform	
	3574091		8ft Platform	
13	4240099	7	Tie-Strap	
14	4360057	2	Switch, Limit	
15	4360387	1	Switch, Push Button	
16	4420068	1	Tape, Adhesive	
17	4460049	2	Connector, Strain Relief	
18	4460234	7	Tie-Strap	
19	4460425	1	Connector, Strain Relief	
20	4751400	8	Flatwasher 1/4in Regular	
21	4751500	12	Flatwasher 5/16in Regular	
22	4751800	8	Flatwasher 1/2in Regular	
23		1	Rail, Soft Touch Options:	
	3641569		6ft Platform	
	4846673		8ft Platform	
24		1	Soft-Touch Installation Kit Options (Not Shown) (Includes Items 2-23):	
		Ref.	Note: May not be available for all machines depending on existing options. Contact JLG Parts Dept before ordering.	
	1001121592		Kit - 6ft Platform without Fall Arrest	
	1001121593		Kit - 8ft Platform without Fall Arrest	

SECTION 4 PLATFORM

FIGURE 4-8. PLATFORM PADDING INSTALLATION (SIDE ENTRY PLATFORM) (OPTIONAL)



SECTION 4 PLATFORM

FIGURE 4-8. PLATFORM PADDING INSTALLATION (SIDE ENTRY PLATFORM) (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0273542	Ref.	PADDING INSTALLATION (30 X 48 SIDE ENTRY PLATFORM)	A
1	0940092	4	Bumper, Pad (Corner)	
2	0940094	9ft/2.7m	Bumper, Pad (Square Tubing)	
3	0940131	1	Bumper, Rail	
4	0641516	2	Bolt 5/16in-18NC x 2in	
5	4751500	2	Flatwasher 5/16in Regular	
6	3311505	2	Locknut 5/16in-18NC	
7	0641813	4	Bolt 1/2in-13NC x 1-5/8in	
8	3311805	4	Locknut 1/2in-13NC	
9	4891800	4	Flatwasher 1/2in Hardened	
10	4420068	30ft/9.1m	Tape	

SECTION 4 PLATFORM

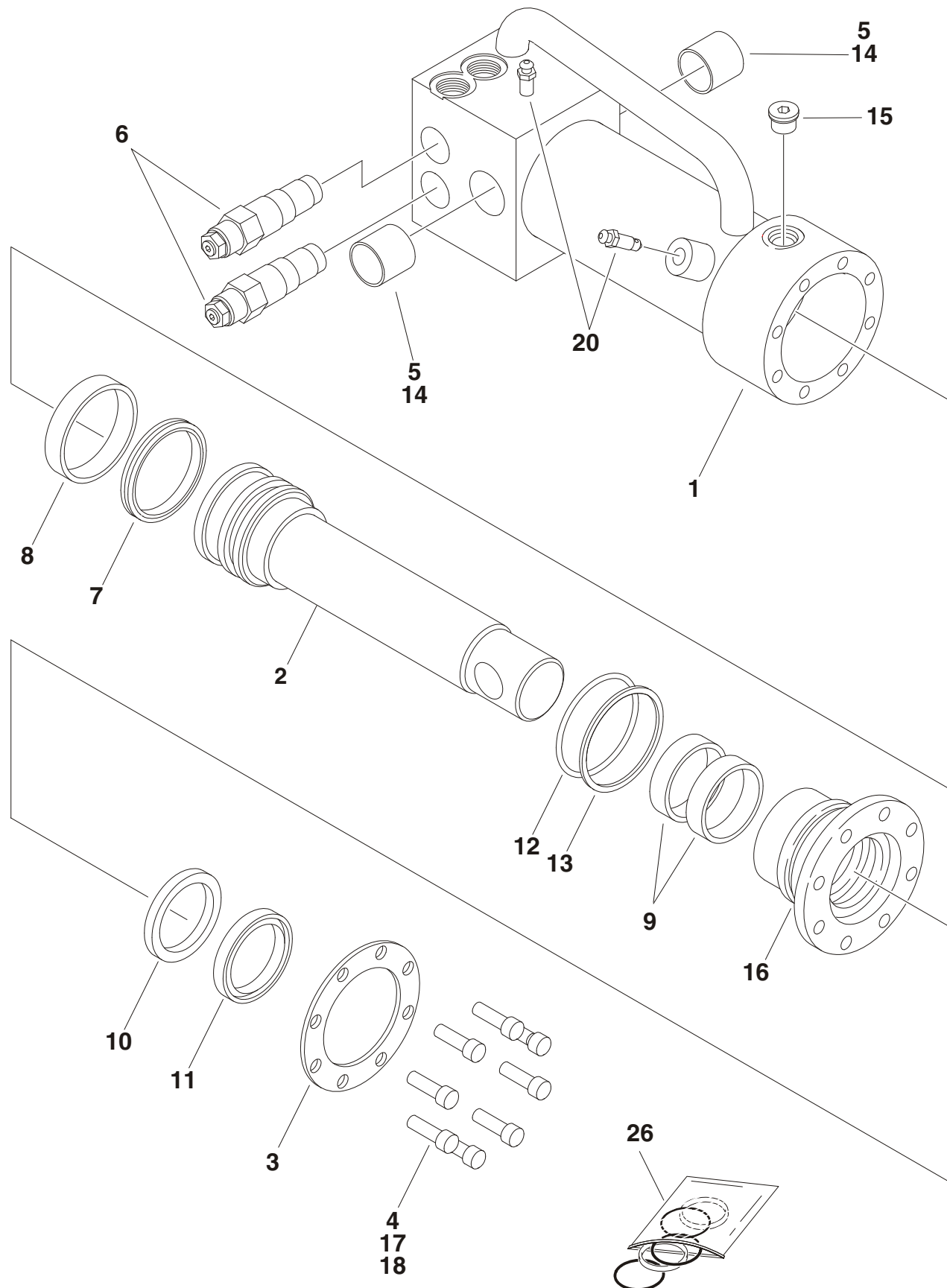
**FIGURE 4-8. PLATFORM PADDING INSTALLATION (SIDE ENTRY PLATFORM) (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 5 CYLINDER

SECTION 5 CYLINDER

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY (S/N 0300069000 TO S/N 0300081836)



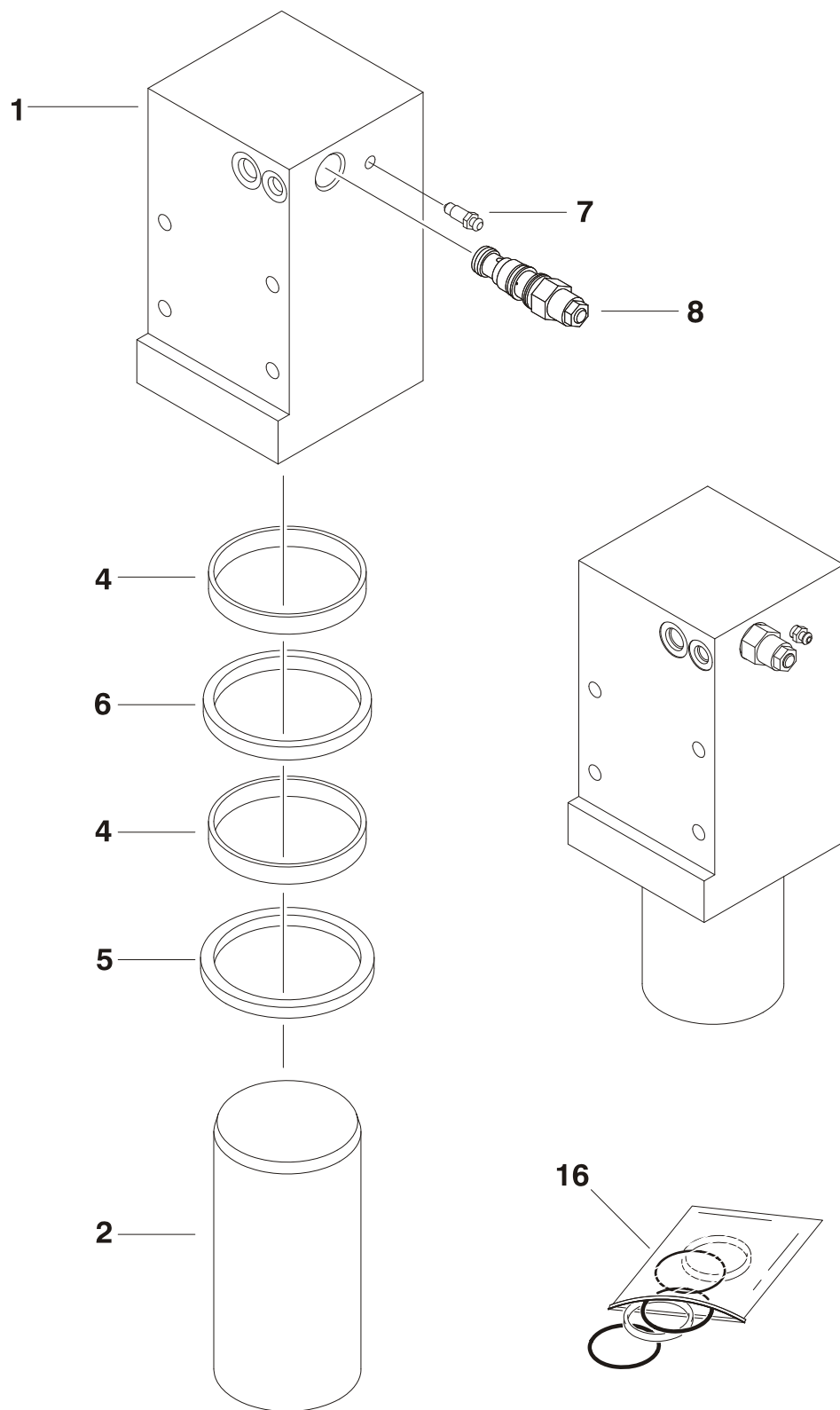
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FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY (S/N 0300069000 TO S/N 0300081836)

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 3/8in-16NC x 1-1/4in (Grade 8)	
5	0962474	4	Bushing	
6	4641162	2	Valve, Cartridge	
	2900770		Seal Kit - 4640525 Valve	
7	Use 2901321	1	Seal	
8	Use 2901321	1	Ring, Wear	
9	Use 2901321	2	Ring, Wear	
10	Use 2901321	1	Seal, Rod	
11	Use 2901321	1	Wiper, Rod	
12	Use 2901321	1	O-Ring	
13	Use 2901321	1	Ring, Back-Up	
14	0100063	A/R	Adhesive	
15	2220885	1	Plug, O-Ring	
16	1683057	1	Head	
17	0100011	A/R	Compound, Locking	
18	0100038	A/R	Primer, Locking	
19	Not Used			
20	4640858	2	Valve, Bleeder	
21 to 25	Not Used			
26	2901321	1	Seal Kit (Includes Items 7-13)	

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FIGURE 5-2. AXLE LOCKOUT CYLINDER ASSEMBLY (S/N 0300081836 TO S/N 0300087000)



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FIGURE 5-2. AXLE LOCKOUT CYLINDER ASSEMBLY (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1684280	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	E
1	1684289	1	Barrel	
2	1684290	1	Rod	
3	Not Used			
4	Use 2902266	2	Ring, Wear	
5	Use 2902266	1	Wiper	
6	Use 2902266	1	Seal, Rod	
7	4640858	1	Bleeder	
8	4641319	1	Cartridge, Valve	
	7024879	1	Seal Kit	
9 to 15	Not Used			
16	2902266	1	Seal Kit (Includes Items 4-6)	

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FIGURE 5-3. PLATFORM LEVEL CYLINDER ASSEMBLY

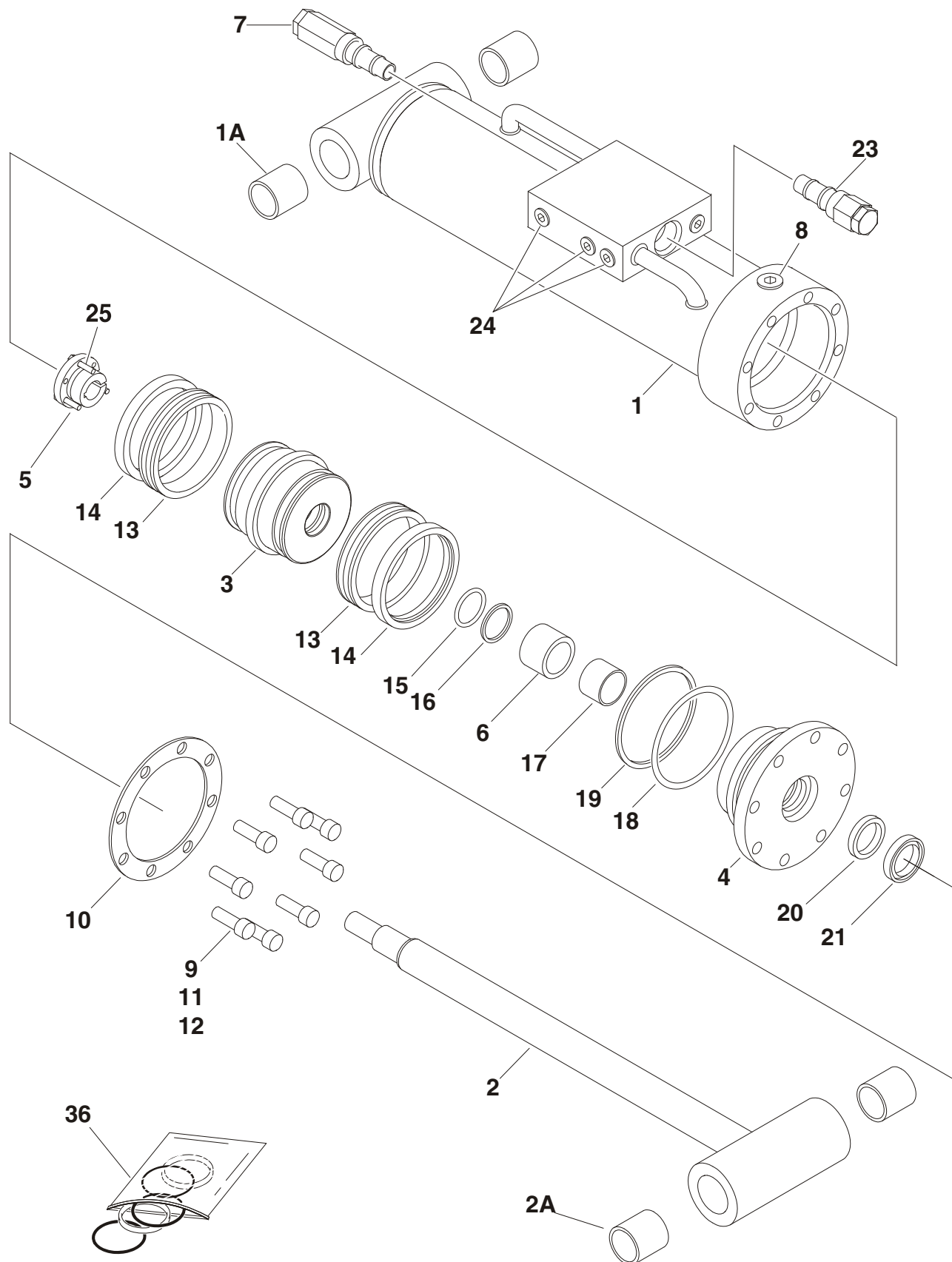


FIGURE 5-3. PLATFORM LEVEL CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683415	Ref	PLATFORM LEVEL CYLINDER ASSEMBLY - 600A	C
	1683418	Ref.	PLATFORM LEVEL CYLINDER ASSEMBLY - 600AJ	D
1		1	Barrel Weldment Options:	
	1683977		600A (Note: Includes Item 1A)	
	1683952		600AJ (Note: Item 1A not included. Purchase Separately)	
1A		2	Bushing, Garmax Options:	
	0961947		600A - Garmax	
	0961951		600AJ - Composite	
2		1	Rod Weldment Options:	
	1683976		600A (Note: Includes Item 2A)	
	1683963		600AJ (Note: Item 2A not included. Purchase Separately)	
2A		2	Bushing, Garmax Options:	
	0961947		600A - Garmax	
	0961951		600AJ - Composite	
3		1	Piston Options:	
	3480210		600A	
	3480188		600AJ	
4		1	Head Options:	
	1683053		600A	
	1683055		600AJ	
5		1	Bushing, Tapered (Includes Item 25) Options:	
	0961893		600A	
	0961894		600AJ	
6	4566468	1	Spacer	
7	4640509	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640509 Valve	
8	2220885	1	Plug, O-Ring	
9		8	Capscrew, Socket Head Options:	
	3931516		600A - Capscrew 5/16in-18NC x 1in	
	3931620		600AJ - Capscrew 3/8in-16NC x 1-1/4in	
10		1	Ring, Washer Options:	
	3760368		600A	
	3760369		600AJ	
11	0100011	A/R	Compound, Locking	
12	0100038	A/R	Primer, Locking	
13	See Note	2	Seal (Note: Use Item 36)	
14	See Note	2	Ring, Lock (Note: Use Item 36)	
15	See Note	1	O-Ring (Note: Use Item 36)	
16	See Note	1	Ring, Back-up (Note: Use Item 36)	
17	See Note	1	Ring, Wear (Note: Use Item 36)	
18	See Note	1	O-Ring (Note: Use Item 36)	
19	See Note	1	Ring, Back-up (Note: Use Item 36)	
20	See Note	1	Seal, Rod (Note: Use Item 36)	
21	See Note	1	Wiper (Note: Use Item 36)	
22	Not Used			
23	4640932	1	Cartridge, Valve	
	7011112	1	Seal Kit - 4640932 Valve	
24	2220883	8	Plug, O-Ring	

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FIGURE 5-3. PLATFORM LEVEL CYLINDER ASSEMBLY (CONTINUED)

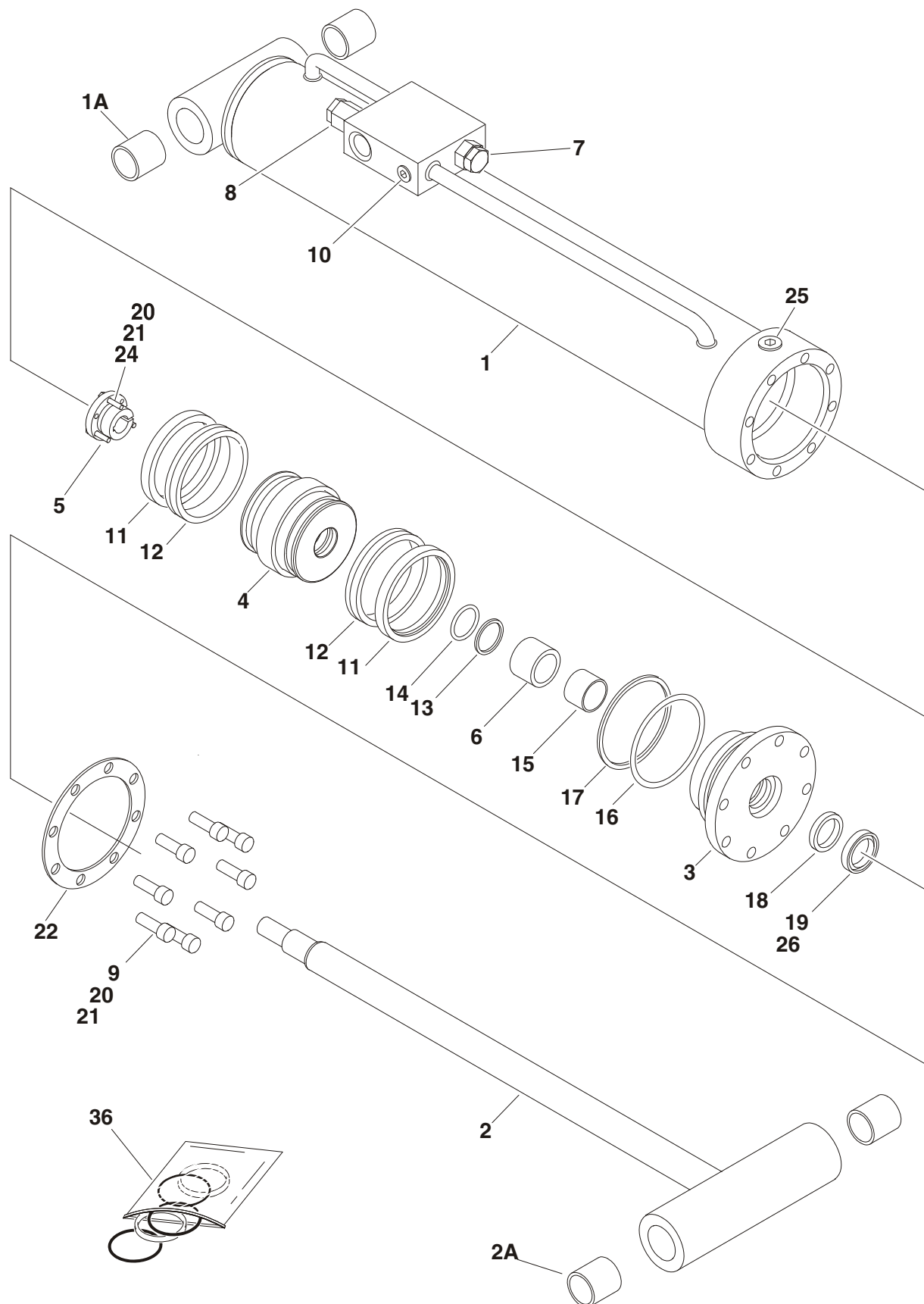
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	0630534	3	Bolt Options:	
	0630535		600A - Bolt #10 - 24NC x 1in	
26 to 35	Not Used		600AJ - Bolt 1/4in - 20NC x 1-1/8in	
36			Seal Kit Options (Includes Items 13-21):	
	2901303	1	600A	
	2901301	1	600AJ	

FIGURE 5-3. PLATFORM LEVEL CYLINDER ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 5-4. LEVEL CYLINDER ASSEMBLY - UPRIGHT



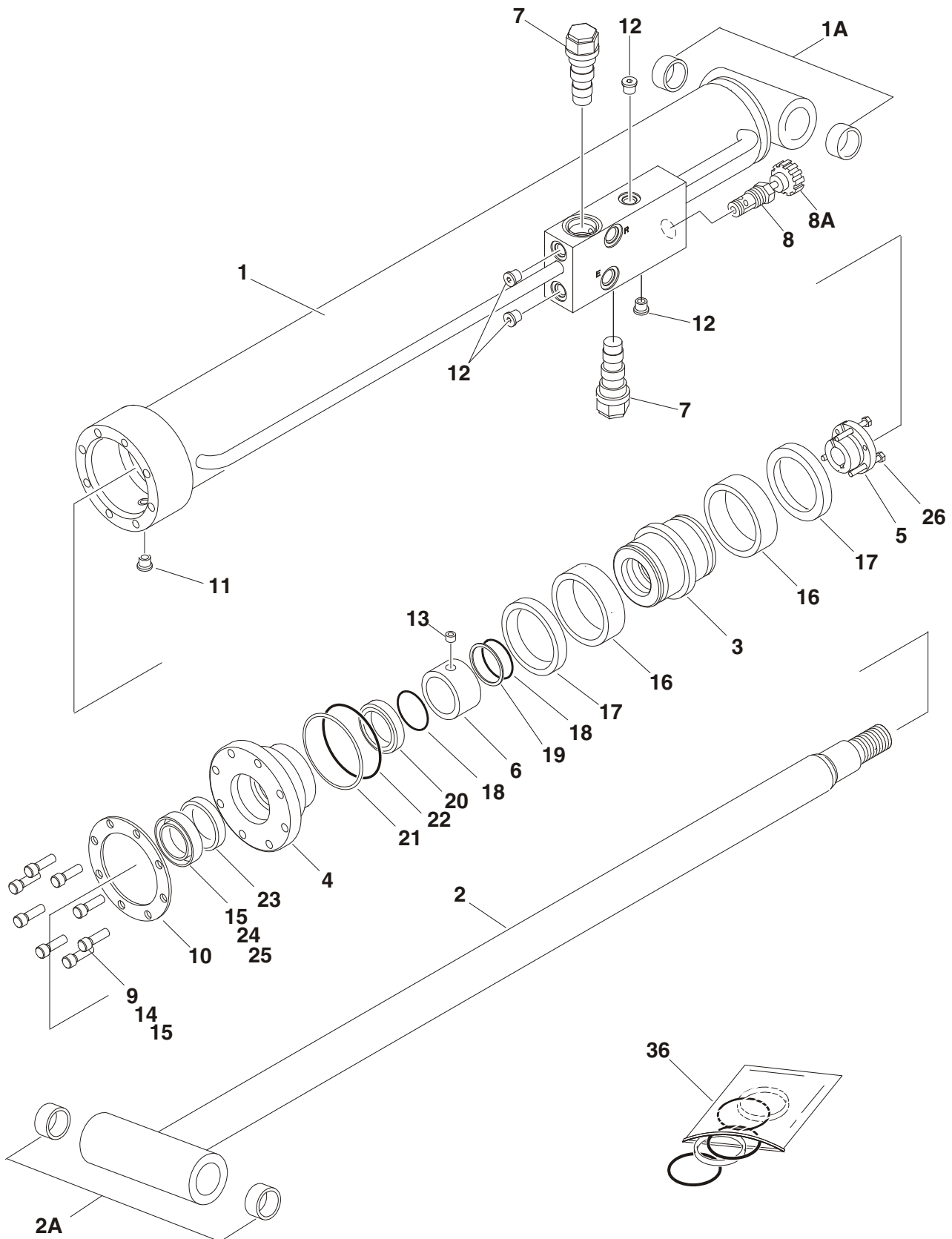
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FIGURE 5-4. LEVEL CYLINDER ASSEMBLY - UPRIGHT

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	LEVEL CYLINDER ASSEMBLY - UPRIGHT OPTIONS:	
	1683299	Ref.	Original Equipment	F
	1684498	Ref.	Service Replacement	C
		Ref.	Note: Original Equipment components may have been replaced with Service Replacement components part. Identify p/n stamped on cylinder before ordering parts.	
1	Use 0370035	1	Barrel Weldment	
	0370035		Original Equipment (was p/n 1684014)	
1A	0961949	2	Service Replacement	
2	1684015	1	Bushing, Composite	
2A	0961949	2	Rod Weldment	
3	1683067	1	Bushing, Composite	
4	3480206	1	Head	
5	0961898	1	Piston	
6	4566501	1	Bushing, Tapered (Use item #24 in place of supplied bolts)	
7	4640509	1	Spacer, Tube	
	2900792	1	Cartridge, Valve	
			Seal Kit - 4640509 Valve	
8	4640605	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640605 Valve	
9	3932032	8	Bolt, Socket Head 5/16in-11NC x 2in	
10	2220883	2	Plug, O-Ring	
11	Use 2901285	2	Ring, Lock	
12	Use 2901285	2	Seal, Hydrolock	
13	Use 2901285	1	O-Ring	
14	Use 2901285	2	Ring, Back-up	
15	Use 2901285	1	Ring, Wear	
16	Use 2901285	1	O-Ring	
17	Use 2901285	1	Ring, Back-up	
18	Use 2901285	1	Seal, Rod	
19	Use 2901285	1	Wiper	
20	0100011	A/R	Compound, Locking	
21	0100038	A/R	Primer, Locking	
22	3760372	1	Washer, Ring	
23	Not Used			
24	0630536	3	Bolt 3/8in-16NC x 1-1/2in	
25	2220886	1	Plug, O-Ring	
26	0100063	A/R	Adhesive	
27 to 35	Not Used			
36	2901285	1	Seal Kit (Includes Items 11-19)	

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FIGURE 5-5. LIFT CYLINDER ASSEMBLY - ARTICULATING JIB



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FIGURE 5-5. LIFT CYLINDER ASSEMBLY - ARTICULATING JIB

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	LIFT CYLINDER ASSEMBLY - 600AJ OPTIONS:	
	1683258	Ref.	S/N 0300069000 TO S/N 0300070977	E
	1683609	Ref.	S/N 0300070977 TO S/N 0300087000	H
1		1	Barrel Options:	
	1684092		S/N 0300069000 to S/N 0300070977	
	1684089		S/N 0300070977 to S/N 0300087000	
1A	0962336	2	Bushing	
2	1684090	1	Rod	
2A	0962336	2	Bushing	
3	3480210	1	Piston	
4	1683053	1	Head	
5	0961893	1	Bushing, Tapered	
6		1	Spacer, Tube Options:	
	Use 4100100		S/N 0300069000 to S/N 0300079599 (was p/n 4566471)	
	4100100		S/N 0300079599 to S/N 0300087000	
7	4640509	2	Cartridge, Valve	
	2900792	2	Seal Kit - 4640509 Valve	
8	4640902	1	Cartridge, Valve (S/N 0300069000 to S/N 0300070977 Only)	
	7012953	1	Seal Kit - 4640902 Valve	
8A	7012961	1	Knob	
9	3931516	8	Capscrew, Socket Head 5/16in-18NC x 1in	
10	3760368	1	Ring, Washer	
11	2220885	1	Plug, O-Ring #6	
12	2220883	4	Plug, O-Ring #4	
13	3900141	1	Setscrew 1/4in-20NC x 3/8in (S/N 0300069000 to S/N 0300079601)	
14	0100011	A/R	Compound, Locking	
15	0100038	A/R	Primer, Locking	
16	Use 2901303	2	Seal	
17	Use 2901303	2	Ring, Lock	
18	Use 2901303	2	O-Ring	
19	Use 2901303	2	Ring, Back-Up	
20	Use 2901303	1	Ring, Wear	
21	Use 2901303	1	O-Ring	
22	Use 2901303	1	Ring, Back-Up	
23	Use 2901303	1	Seal, Rod	
24	Use 2901303	1	Wiper	
25	0100063	A/R	Adhesive	
26	0630534	3	Bolt #10 - 24NC x 1in	
27 to 35	Not Used			
36	2901303	1	Seal Kit (Includes Items 16-24)	

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FIGURE 5-6. LIFT CYLINDER ASSEMBLY - MAIN BOOM

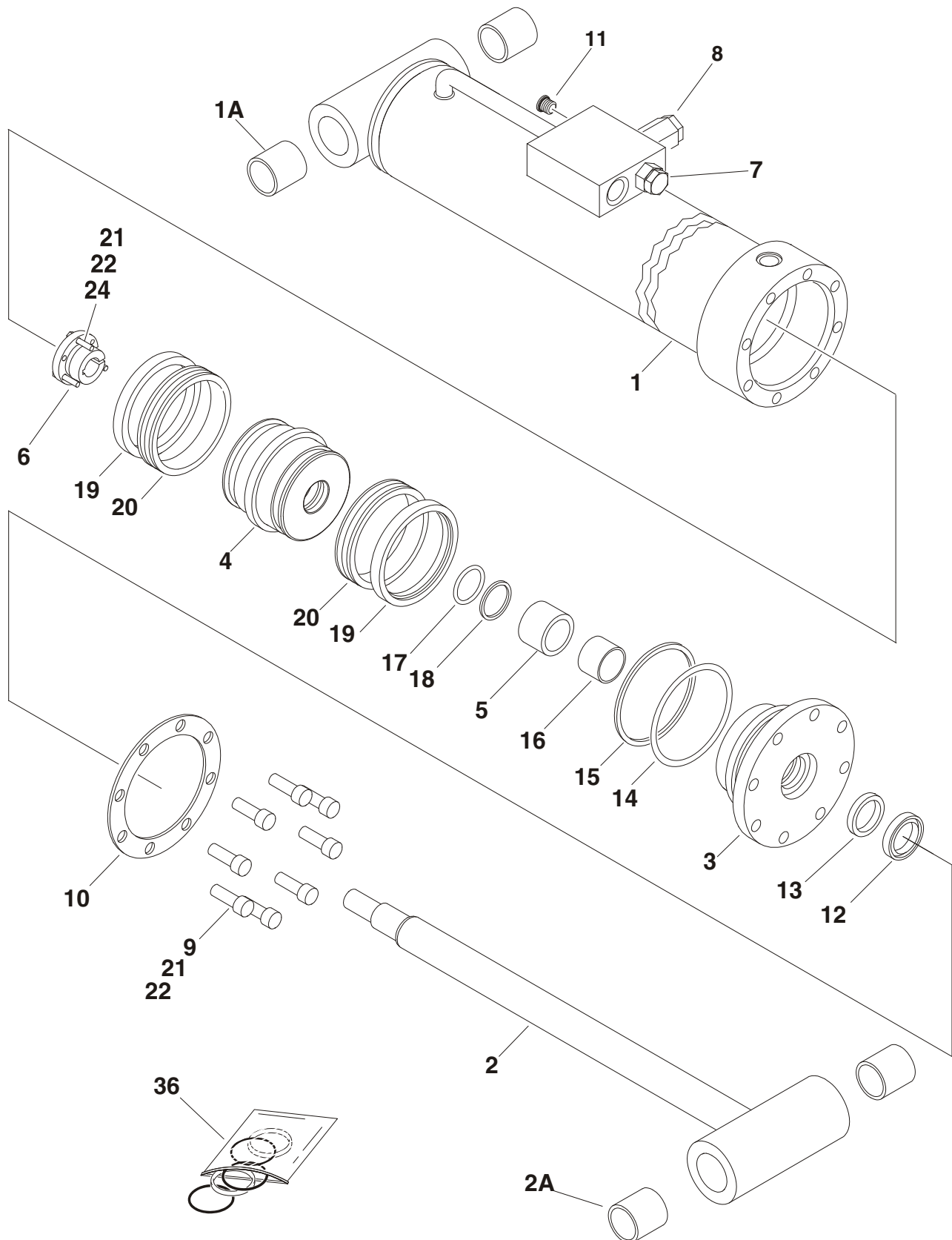


FIGURE 5-6. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683294	Ref.	LIFT CYLINDER ASSEMBLY - MAIN BOOM	G
1	1684001	1	Barrel	
1A	0961948	2	Bushing, Composite	
2	1684005	1	Rod	
2A	0961948	2	Bushing, Garmax	
3	1683061	1	Head	
4	3480211	1	Piston	
5	4566408	1	Spacer	
6	0961897	1	Bushing, Tapered	
7	4640438	1	Cartridge, Valve	
	2900770	1	Seal Kit - 4640438 Valve	
8	4640509	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640509 Valve	
9	3931720	8	Capscrew, Socket Head 7/16in-14NC x 1-1/4in	
10	3760370	1	Ring, Washer	
11	2220883	1	Plug, O-Ring #6	
12	Use 2901273	1	Wiper	
13	Use 2901273	1	Seal, Rod	
14	Use 2901273	1	O-Ring	
15	Use 2901273	1	Ring, Back-up	
16	Use 2901273	2	Ring, Wear	
17	Use 2901273	1	O-Ring	
18	Use 2901273	2	Ring, Back-Up	
19	Use 2901273	1	Ring, Lock	
20	Use 2901273	1	Seal	
21	0100011	A/R	Compound, Locking	
22	0100038	A/R	Primer, Locking	
23	Not Used			
24	0630535	3	Bolt 1/4in-20NC x 1-1/8in	
25 to 35	Not Used			
36	2901273	1	Seal Kit (Includes Items 12-20)	

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FIGURE 5-7. LIFT CYLINDER ASSEMBLY - TOWER BOOM

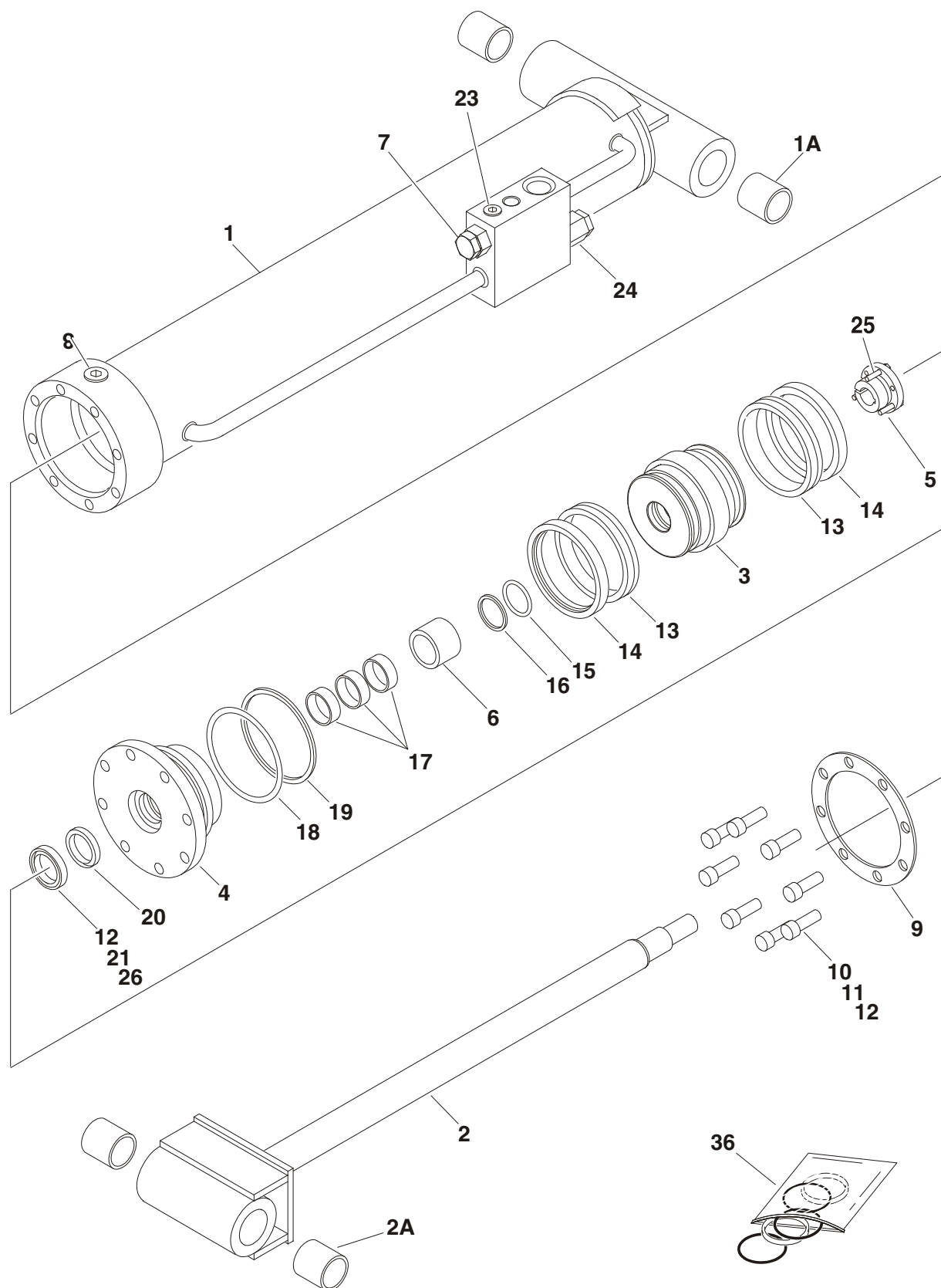
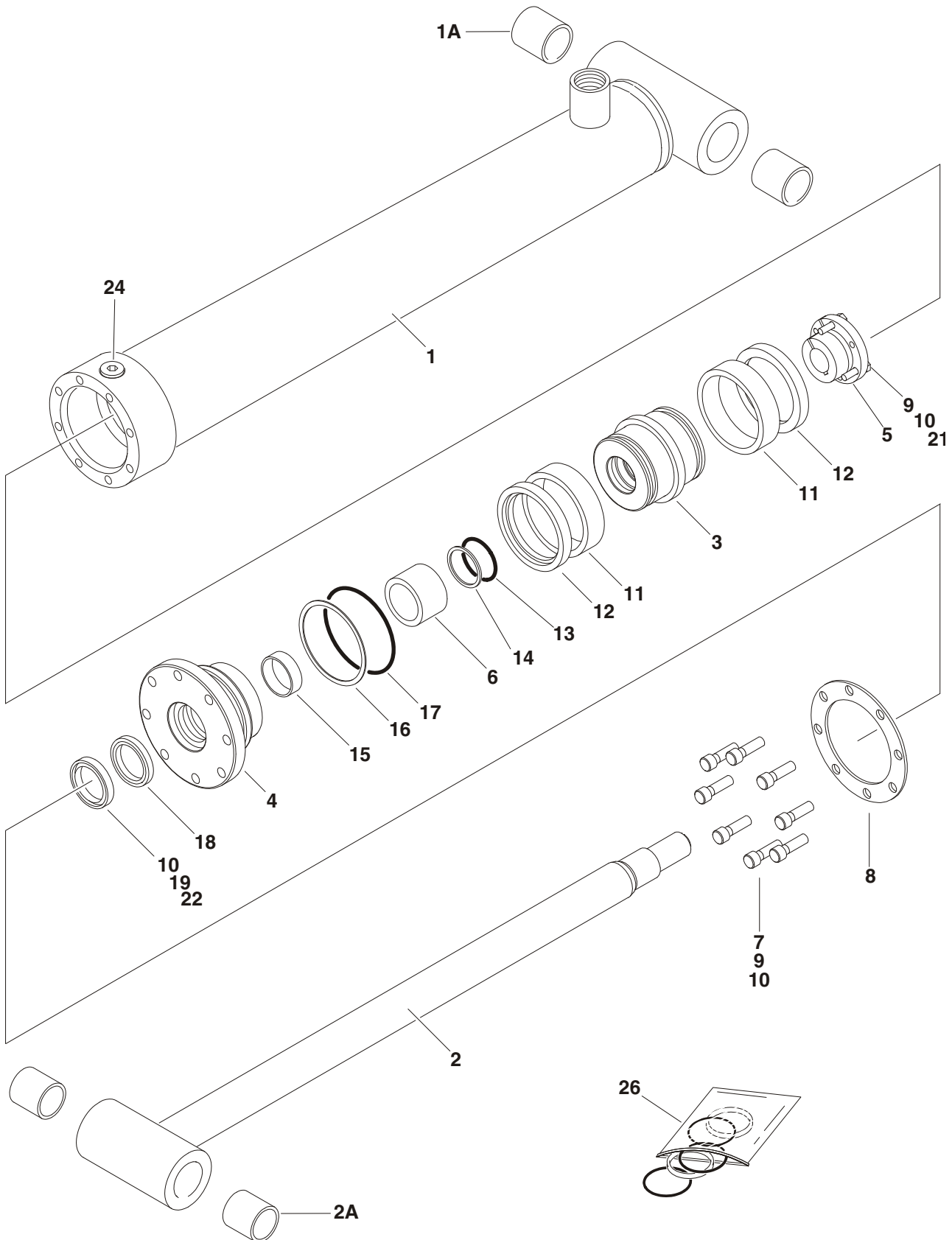


FIGURE 5-7. LIFT CYLINDER ASSEMBLY - TOWER BOOM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683288	Ref.	LIFT CYLINDER ASSEMBLY - TOWER BOOM	L
1	1684017	1	Barrel	
1A	0961949	2	Bushing, Composite	
2	1684019	1	Rod	
2A	0961949	2	Bushing, Composite	
3	3480216	1	Piston	
4	1683069	1	Head	
5	0961899	1	Bushing, Tapered	
6	4566667	1	Spacer	
7	4640605	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640605	
8	2220888	1	Plug, O-Ring #12	
9	3760384	1	Ring, Washer	
10	3932240	8	Capscrew, Socket Head 3/4in-10NC x 2-1/2in	
11	0100011	A/R	Compound, Locking	
12	0100038	A/R	Primer, Locking	
13	Use 2901322	2	Seal	
14	Use 2901322	2	Ring, Lock	
15	Use 2901322	1	O-Ring	
16	Use 2901322	1	Ring, Back-Up	
17	Use 2901322	3	Ring, Wear	
18	Use 2901322	1	O-Ring	
19	Use 2901322	1	Ring, Back-Up	
20	Use 2901322	1	Seal, Rod	
21	Use 2901322	1	Wiper	
22	Not Used			
23	2220883	2	Plug, O-Ring #4	
24	4640509	1	Counterbalance	
	2900792	1	Seal Kit - 4640509	
25	0630536	3	Bolt 3/8in-16NC x 1-1/2in	
26	0100063	A/R	Adhesive	
27 to 35	Not Used			
36	2901322	1	Seal Kit (Includes Items 13-21)	

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FIGURE 5-8. MASTER CYLINDER ASSEMBLY



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FIGURE 5-8. MASTER CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683266	Ref.	MASTER CYLINDER ASSEMBLY - 600A	C
	1683263	Ref.	MASTER CYLINDER ASSEMBLY - 600AJ	E
1		1	Barrel Options:	
	1683972		600A (Note: Includes Item 1A)	
	1683949		600AJ (Note: Item 1A not included. Purchase Separately)	
1A		2	Bushing Options:	
	0961947		600A - Bushing, Garmax	
	0961951		600AJ - Bushing, Composite	
2		1	Rod Options:	
	1683973		600A (Note: Includes Item 2A)	
	1683962		600AJ (Note: Item 2A not included. Purchase Separately)	
2A		2	Bushing Options:	
	0961947		600A - Bushing, Garmax	
	0961951		600AJ - Bushing, Composite	
3		1	Piston Options:	
	3480210		600A	
	3480188		600AJ	
4		1	Head Options:	
	1683053		600A	
	1683055		600AJ	
5		1	Bushing, Tapered Options (Use Item 21 in place of supplied bolts):	
	0961893		600A	
	0961894		600AJ	
6	4566468	1	Spacer	
7		8	Capscrew, Socket Head Options:	
	3931516		600A - Capscrew, Socket Head 5/16in-18NC x 1in	
	3931620		600AJ - Capscrew, Socket Head 3/8in-16NC x 1-1/4in	
8		1	Ring, Washer Options:	
	3760368		600A	
	3760369		600AJ	
9	0100011	A/R	Compound, Locking	
10	0100038	A/R	Primer, Locking	
11	See Note	2	Seal (Note: Use Item 26)	
12	See Note	2	Ring, Lock (Note: Use Item 26)	
13	See Note	1	O-Ring (Note: Use Item 26)	
14	See Note	1	Ring, Back-Up (Note: Use Item 26)	
15	See Note	1	Ring, Wear (Note: Use Item 26)	
16	See Note	1	O-Ring (Note: Use Item 26)	
17	See Note	1	Ring, Back-Up (Note: Use Item 26)	
18	See Note	1	Seal, Rod (Note: Use Item 26)	
19	See Note	1	Wiper (Note: Use Item 26)	
20	Not Used			
21		3	Bolt Options:	
	0630534		600A - Bolt #10 - 24NC x 1in	
	0630535		600AJ - Bolt 1/4in-20NC x 1-1/8in	
22	0100063	A/R	Adhesive	
23	Not Used			
24	2220885	1	Plug, O-Ring #6 (600AJ Only)	

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FIGURE 5-8. MASTER CYLINDER ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	Not Used			
26			Seal Kit Options (Includes Items 11-19):	
	2901303	1	600A	
	2901301	1	600AJ	

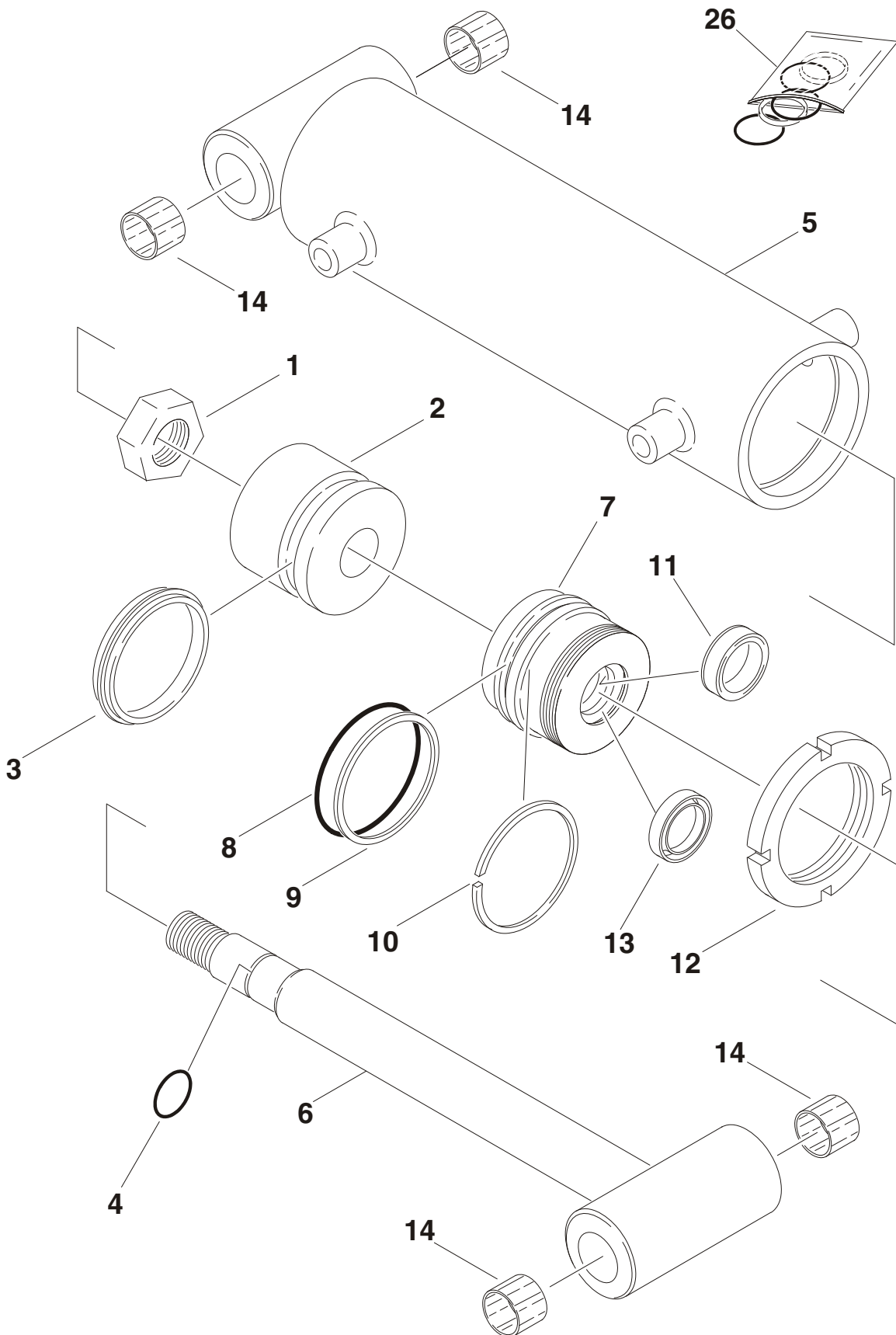
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FIGURE 5-8. MASTER CYLINDER ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 5-9. STEER CYLINDER ASSEMBLY



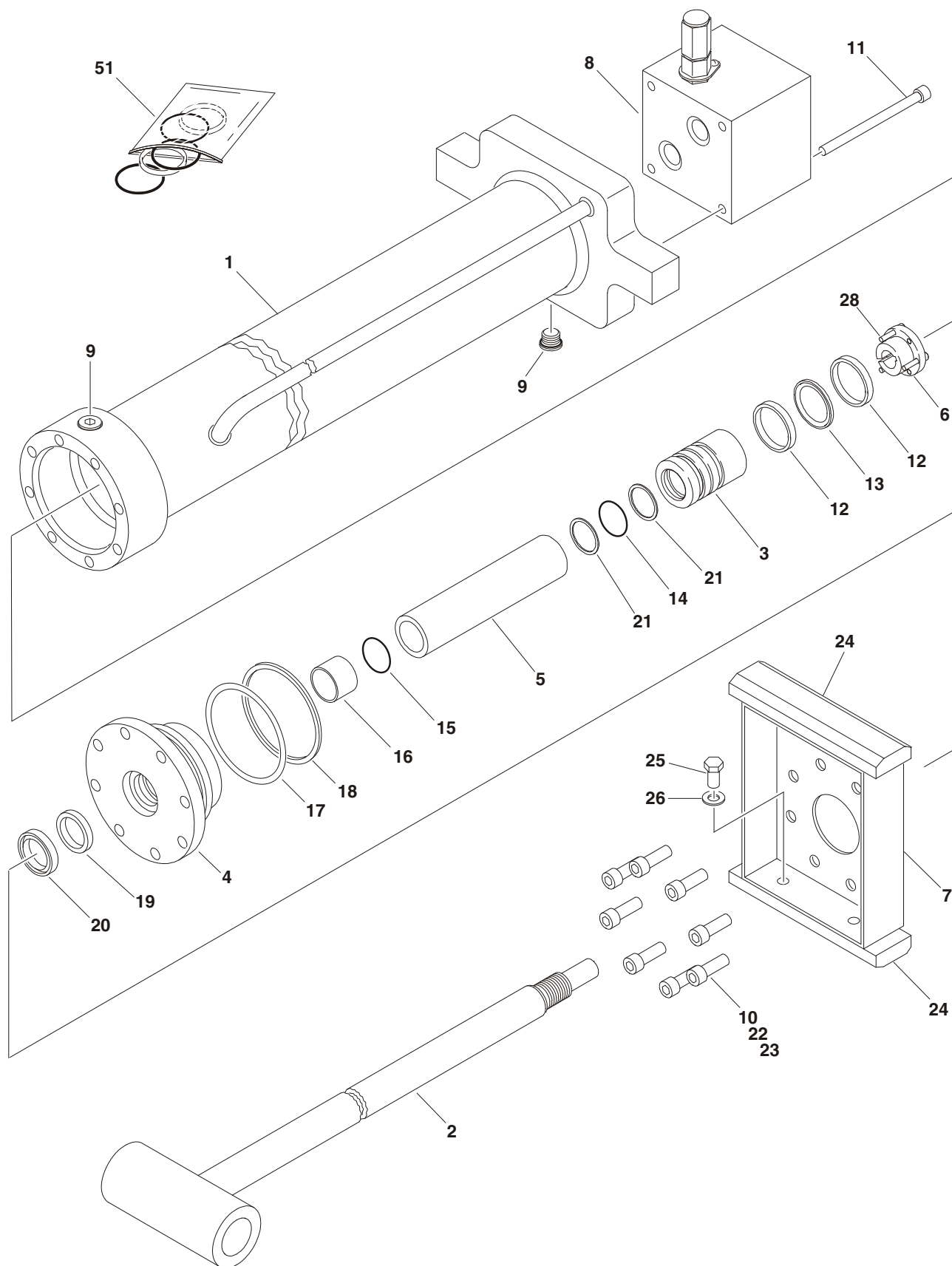
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FIGURE 5-9. STEER CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STEER CYLINDER ASSEMBLIES	
	1683208	Ref	8ft/2.4m Width Machines	C
	1683304	Ref.	7ft/2.1m Width Machines (S/N 0300069000 to S/N 0300081836)	A
	1684418	Ref.	7ft/2.1m Width Machines (S/N 0300081836 to S/N 0300087000)	A
1	7001626	1	Locknut	
2	7001627	1	Piston	
3	Use 7001625	1	Seal	
4	Use 7001625	1	O-Ring	
5	See Note	1	Barrel (Note: Not Available for Purchase)	
6		1	Rod Options:	
	7001633		8ft/2.4m Width Machines	
	7001628		7ft/2.1m Width Machines (S/N 0300069000 to S/N 0300081836)	
	7023038		7ft/2.1m Width Machines (S/N 0300081836 to S/N 0300087000)	
7	7001629	1	Guide	
8	Use 7001625	1	O-Ring	
9	Use 7001625	1	Ring, Back-Up	
10	Use 7001625	1	Ring, Retaining	
11	Use 7001625	1	Seal, Lip	
12	7001630	1	Nut, Spanner	
13	Use 7001625	1	Ring, Wiper	
14		4	Bushing Options:	
	0961977		8ft/2.4m Width Machines	
	0961890		7ft/2.1m Width Machines	
15 to 25	Not Used			
26	7001625	1	Seal Kit (Includes Items 3,4,8-11 and 13)	

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FIGURE 5-10. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM



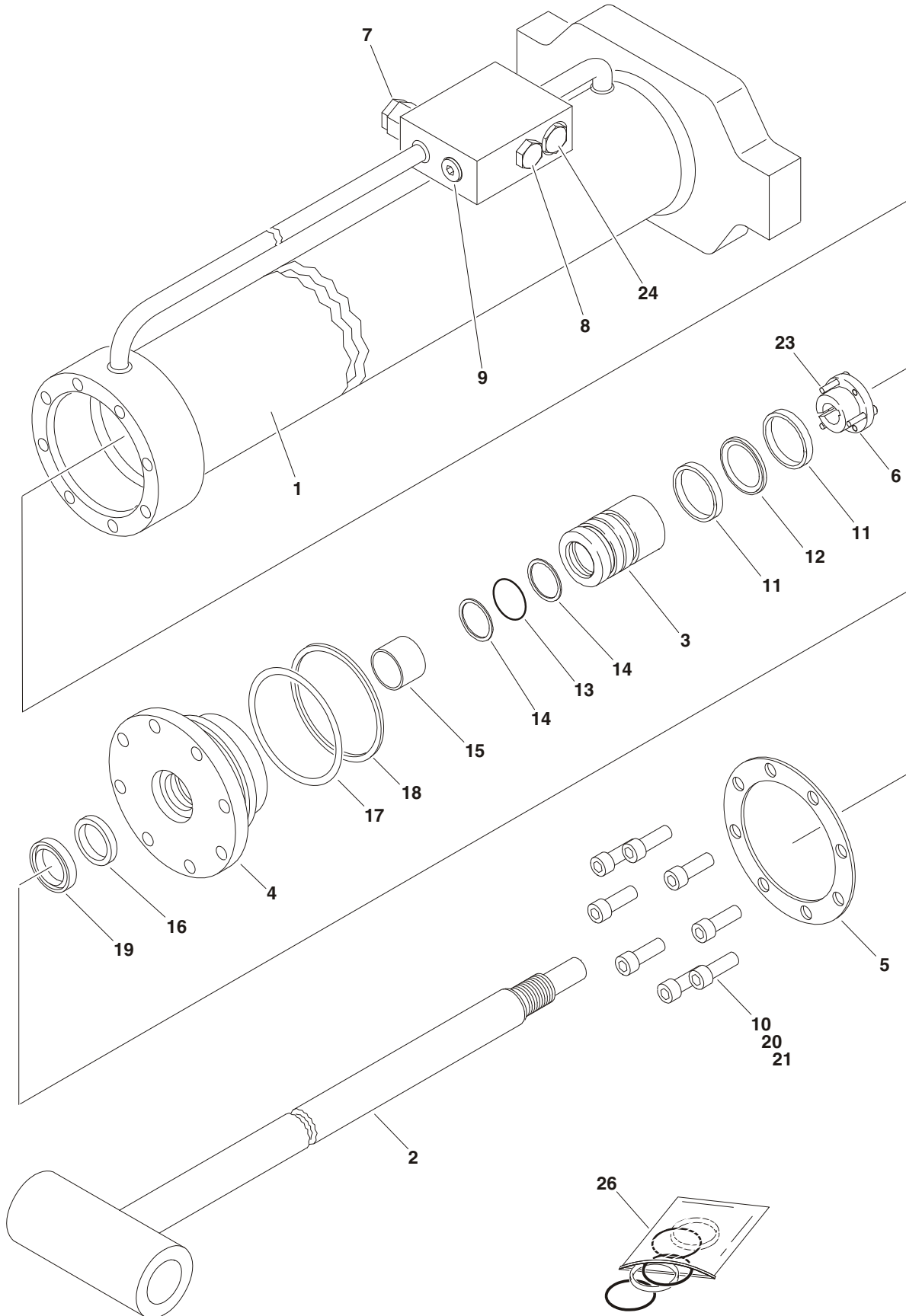
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FIGURE 5-10. TELESCOPE CYLINDER ASSEMBLY - MAIN BOOM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683307	Ref.	TELESCOPE CYLINDER ASSEMBLY - 600A	6/F
	1683317	Ref.	TELESCOPE CYLINDER ASSEMBLY - 600AJ	6/F
1		1	Barrel Options:	
	1683308		600A	
	1683318		600AJ	
2		1	Rod Options:	
	Use 1684308		600A (S/N 0300069000 to S/N 0300073902) (was p/n 1683310)	
	1684308		600A (S/N 0300073902 to S/N 0300087000)	
	Use 1684310		600AJ (S/N 0300069000 to S/N 0300073902) (was p/n 1683320)	
	1684310		600AJ (S/N 0300073902 to S/N 0300087000)	
3	3480212	1	Piston	
4	1683054	1	Head	
5	4566425	1	Spacer	
6	0961896	1	Bushing, Tapered	
7		1	Plate, Wear Pad Mounting Options:	
	3538771		600A	
	3538247		600AJ	
8	4640862	1	Valve Block Assembly (No Service Parts Available - Replace Complete Assembly)	
9	2220885	2	Plug, O-Ring	
10	3931516	8	Capscrew, Socket Head 5/16in-18NC x 1in	
11	3931448	4	Capscrew, Socket Head 1/4in-20NC x 3in	
12		2	Ring, Wear (Note: Use Item 51)	
13	See Note	1	Seal (Note: Use Item 51)	
14	See Note	1	O-Ring (Note: Use Item 51)	
15	See Note	1	O-Ring (Note: Use Item 51)	
16	See Note	1	Ring, Wear (Note: Use Item 51)	
17	See Note	1	O-Ring (Note: Use Item 51)	
18	See Note	1	Ring, Back-Up (Note: Use Item 51)	
19	See Note	1	Seal, Rod (Note: Use Item 51)	
20	See Note	1	Wiper (Note: Use Item 51)	
21	See Note	2	Ring, Back-Up (Note: Use Item 51)	
22	0100038	A/R	Primer, Locking	
23	0100011	A/R	Compound, Locking	
24	3340608	2	Pad, Wear	
25	0641604	4	Bolt 3/8in-16NC x 1/2in	
26	4751600	4	Flatwasher 3/8in Regular	
27	Not Used			
28	0630535	3	Bolt 1/4in-20NC x 1-1/8in	
29 to 50	Not Used			
51		1	Seal Kit Options (Includes Items 12-21):	
	2901278		S/N 0300069000 to S/N 0300070402	
	2901861		S/N 0300070402 to S/N 0300087000	

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FIGURE 5-11. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM



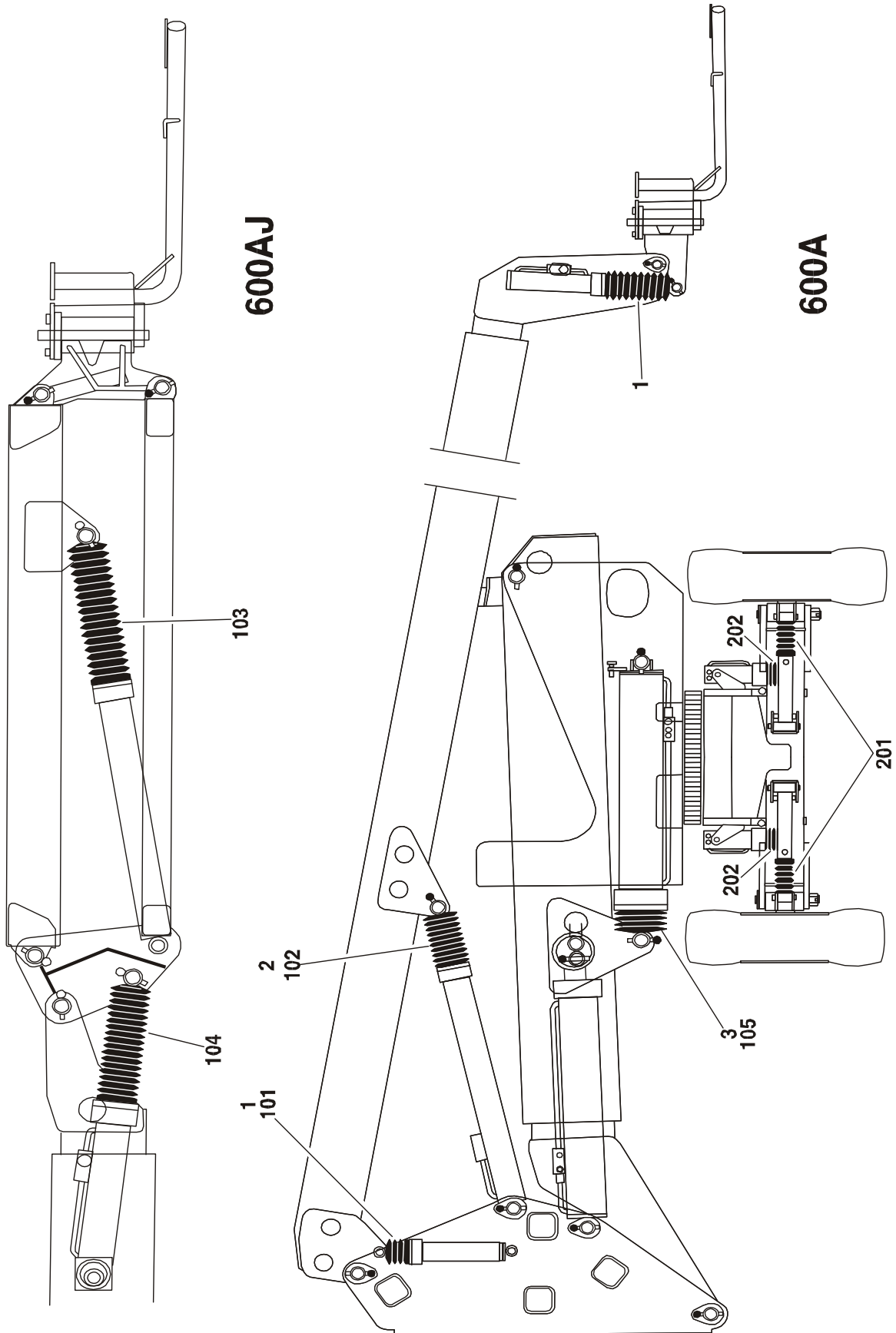
SECTION 5 CYLINDER

FIGURE 5-11. TELESCOPE CYLINDER ASSEMBLY - TOWER BOOM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683312	Ref	TELESCOPE (TOWER BOOM) CYLINDER ASSEMBLY	5/E
1	1683313	1	Barrel	
2	1683314	1	Rod	
3	3480212	1	Piston	
4	1683054	1	Head	
5	3760368	1	Ring, Washer	
6	0961896	1	Bushing, Tapered	
7	4640509	2	Cartridge, Valve	
	2900792	2	Seal Kit - 4640509 Valve	
8	4640647	1	Cartridge, Valve	
	2900770	1	Seal Kit - 4640647 Valve	
9	2220883	1	Plug, O-Ring	
10	3931516	8	Capscrew, Socket Head 5/16in-18NC x 1in	
11	See Note	2	Ring, Wear (Note: Use Item 26)	
12	See Note	1	T-Seal (Note: Use Item 26)	
13	See Note	1	O-Ring (Note: Use Item 26)	
14	See Note	2	Ring, Back-Up (Note: Use Item 26)	
15	See Note	1	Ring, Wear (Note: Use Item 26)	
16	See Note	1	Seal, Rod (Note: Use Item 26)	
17	See Note	1	O-Ring (Note: Use Item 26)	
18	See Note	1	Ring, Back-Up (Note: Use Item 26)	
19	See Note	1	Wiper (Note: Use Item 26)	
20	0100038	A/R	Primer, Locking	
21	0100011	A/R	Compound, Locking	
22	Not Used			
23	0630535	3	Bolt 1/4in-20NC x 1-1/8in	
24	4640999	1	Cartridge, Valve	
	7011185	1	Seal Kit - 4640999 Valve	
25	Not Used			
26		1	Seal Kit Options (Includes Items 11-19):	
	2901278		S/N 0300069000 to S/N 0300070402	
	2901861		S/N 0300070402 to S/N 0300087000	

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FIGURE 5-12. CYLINDER BELLOWS INSTALLATION (OPTIONAL)



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FIGURE 5-12. CYLINDER BELLOWS INSTALLATION (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0255927	Ref	CYLINDER BELLOWS INSTALLATION (600A)	1
1	0460152	2	Bellows, Cylinder (Master and Platform Level Cylinders)	
2	0460155	1	Bellows, Cylinder (Main Lift Cylinder)	
3	0460154	1	Bellows, Cylinder (Tower Lift Cylinder)	
	0255928	Ref.	CYLINDER BELLOWS INSTALLATION (600AJ)	2
101	0460151	1	Bellows, Cylinder (Master and Platform Level Cylinders)	
102	0460155	1	Bellows, Cylinder (Main Lift Cylinder)	
103	0460161	1	Bellows, Cylinder (Articulating Jib Lift Cylinder)	
104	0460160	1	Bellows, Cylinder (Articulating Jib Level Cylinder)	
105	0460154	1	Bellows, Cylinder (Tower Lift Cylinder)	
		Ref.	CYLINDER BELLOWS INSTALLATION (FRAME)	
	0255482	Ref.	2WD/2WS and 4WD/2WS 8FT/2.4m Width Machines with Oscillating Axle	-
	0255483	Ref.	2WD/2WS and 4WD/2WS 8FT/2.4m Width Machines with Fixed Axle	-
	0255486	Ref.	2WD/4WS and 4WD/2WS 8FT/2.4m Width Machines with Oscillating Axle	-
	0255487	Ref.	2WD/4WS and 4WD/4WS 8FT/2.4m Width Machines with Fixed Axle	-
	0255484	Ref.	2WD/2WS 7FT/2.1m Width Machines with Oscillating Axle	-
	0255485	Ref.	2WD/2WS 7FT/2.1m Width Machines with Fixed Axle	-
	0255488	Ref.	2WD/4WS 7FT/2.1m Width Machines with Oscillating Axle	-
	0255489	Ref.	2WD/4WS 7FT/2.1m Width Machines with Fixed Axle	-
201		A/R	Bellows, Cylinder (Steer Cylinder)	
	0460150		8FT/2.4m Width Machines	
	0460157		7FT/2.1m Width Machines	
202		A/R	Bellows, Cylinder (Oscillating Axle Cylinders)	
	0460159		With Oscillating Axle	
	Not Required		Without Oscillating Axle	

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FIGURE 5-12. CYLINDER BELLOWS INSTALLATION (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-1. DRIVE HYDRAULIC DIAGRAM - 2WD/2WS (S/N 0300069000 TO S/N 0300081836)

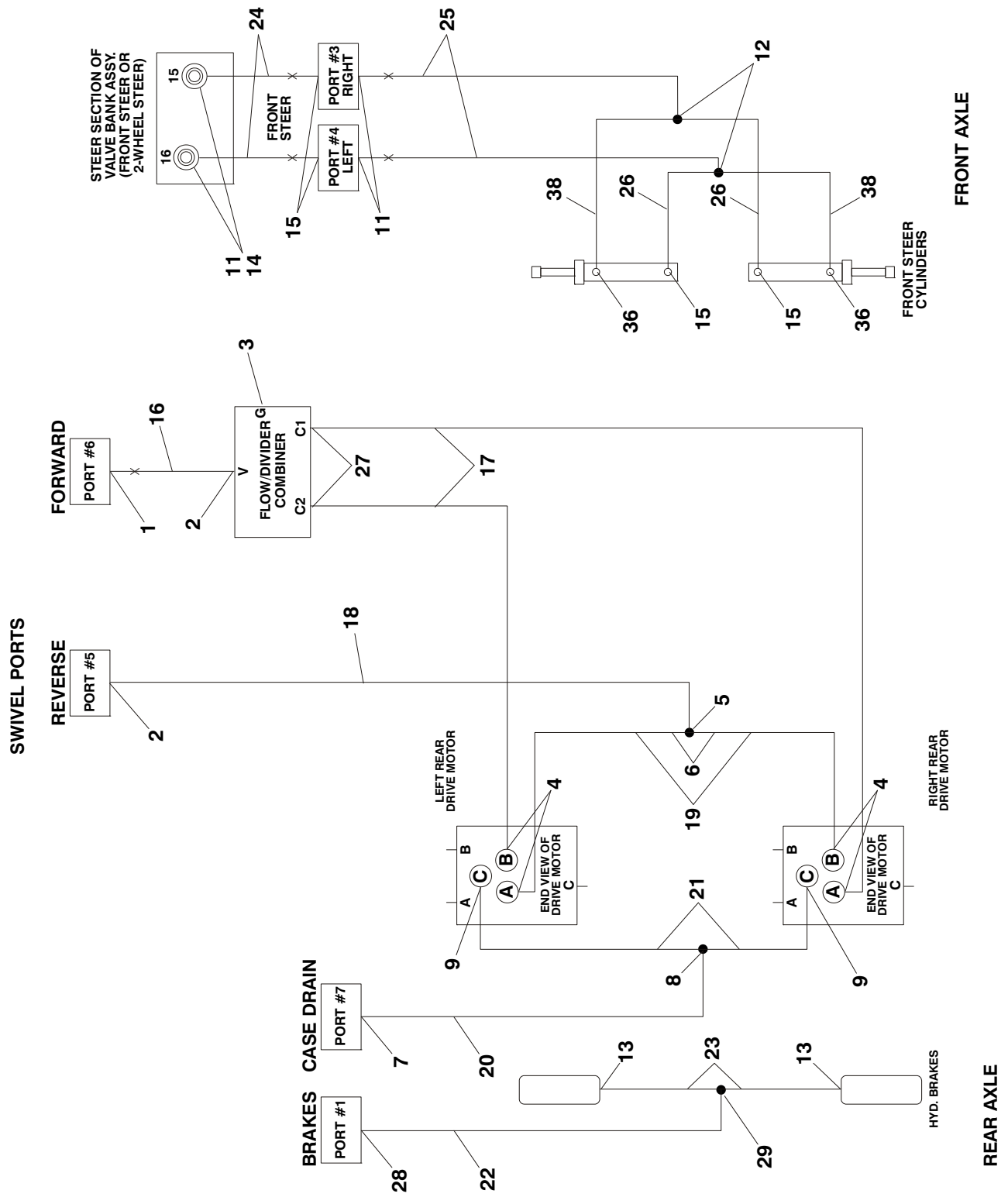


FIGURE 6-1. DRIVE HYDRAULIC DIAGRAM - 2WD/2WS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792193	Ref.	DRIVE HYDRAULIC DIAGRAM - 2WD/2WS	5
1	2220377	1	Fitting, Straight	
2	2220365	2	Fitting, 45°	
3	2220235	1	Fitting, Plug	
4	2220451	4	Fitting, Straight	
5	2220363	1	Fitting, Tee	
6	2220710	2	Fitting, Reducer	
7	2220375	1	Fitting, Straight	
8	2220362	1	Fitting, Tee	
9	2220373	2	Fitting, Straight	
10	Not Used			
11	2220371	4	Fitting, Straight	
12	2220490	2	Fitting, Tee	
13	2220466	2	Fitting, 90°	
14	2220507	2	Fitting, 90°	
15	2220473	4	Fitting, 90°	
16	2752354	1	Hose	
17	2752258	2	Hose	
18	2752324	1	Hose	
19	2752245	2	Hose	
20	2752813	1	Hose	
21	2752814	2	Hose	
22	2752602	1	Hose	
23	2752459	2	Hose	
24	2752620	2	Hose	
25	2752473	2	Hose	
26	2752966	2	Hose	
27	2220435	2	Fitting, Straight	
28	2220582	1	Fitting, Straight	
29	2220504	1	Fitting, Straight	
30 to 35	Not Used			
36	2220501	2	Fitting, 45°	
37	Not Used			
38	2752970	2	Hose	

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FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD/2WS (S/N 0300081836 TO S/N 0300087000)

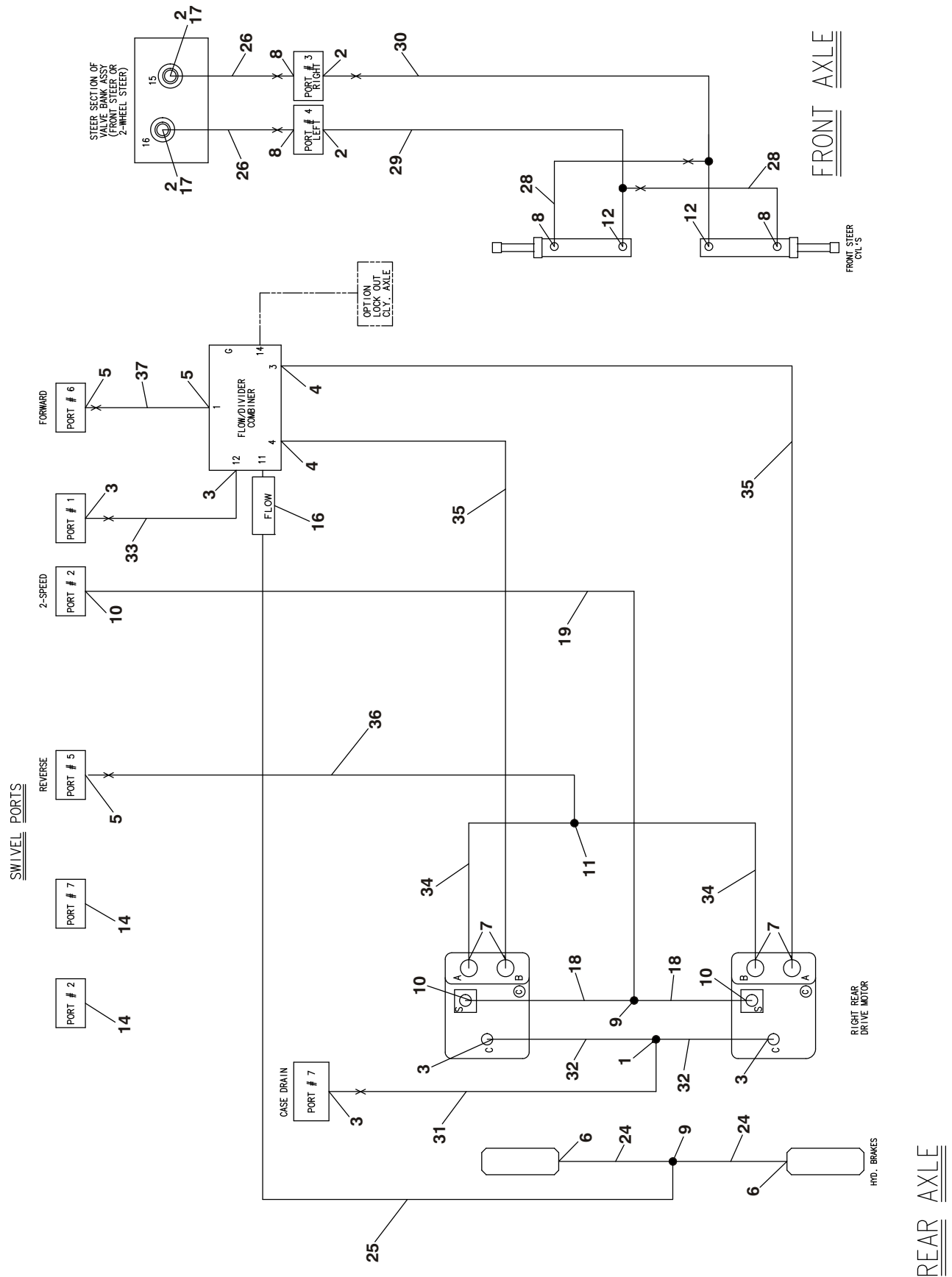


FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD/2WS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792692	Ref.	DRIVE HYDRAULIC DIAGRAM - 2WD/2WS	2
1	2220362	1	Fitting, Tee	
2	2220371	4	Fitting, Straight	
3	2220373	5	Fitting, Straight	
4	2220498	2	Fitting, 45° (S/N 0300081851 to S/N 0300087000)	
5	2220377	3	Fitting, Straight	
6	2220415	2	Fitting, Straight	
7	2220451	4	Fitting, Straight	
8	2220473	4	Fitting, 90°	
9	2220504	2	Fitting, Tee	
10	2220582	3	Fitting, Straight	
11	2221170	1	Fitting, Tee	
12	2220606	2	Fitting, Tee	
13	Not Used			
14	2220237	2	Fitting, Plug	
15	Not Used			
16	4641307	1	Valve, Check	
17	2220507	2	Fitting, 90°	
18	2753925	2	Hose	
19	2753924	1	Hose	
20 to 23	Not Used			
24	2752592	2	Hose	
25	2752910	1	Hose	
26	2752620	2	Hose	
27	Not Used			
28		2	Hose Options: S/N 0300081836 to S/N 0300081851 S/N 0300081851 to S/N 0300087000	
29	2752475	1	Hose	
30	2752611	1	Hose	
31	2752928	1	Hose	
32	2753929	2	Hose	
33	2752929	1	Hose	
34	2753969	2	Hose	
35	2753967	2	Hose	
36	2752341	1	Hose	
37	2753435	1	Hose	

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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (S/N 0300069000 TO S/N 0300081836)

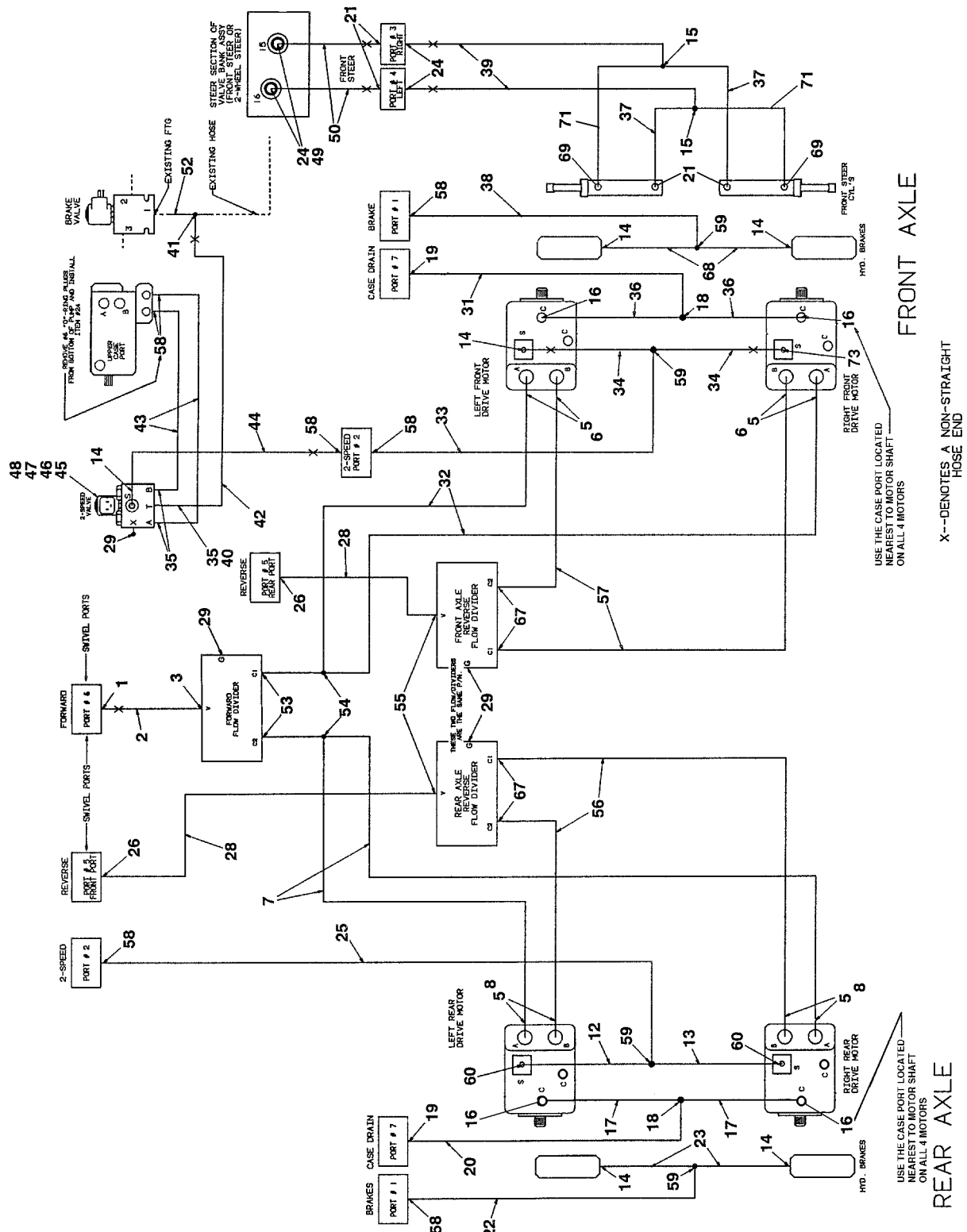


FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792195	Ref.	DRIVE HYDRAULIC DIAGRAM - 4WD/2WS	8
1	2220377	1	Fitting, Straight	
2	2752349	1	Hose	
3	2220365	1	Fitting, 45°	
4	Not Used			
5	2220833	8	Fitting, Reducer	
6	2220500	4	Fitting, 45°	
7	2752398	2	Hose	
8	2220596	4	Fitting, 90°	
9 to 11	Not Used			
12	2751013	1	Hose	
13	2751013	1	Hose	
14	2220466	6	Fitting, 90°	
15	2220490	2	Fitting, Tee	
16	2220671	4	Fitting, 90°	
17	2752807	2	Hose	
18	2220362	2	Fitting, Tee	
19	2220375	2	Fitting, Straight	
20	2752813	1	Hose	
21	2220473	6	Fitting, 90°	
22	2752602	1	Hose	
23	2752592	2	Hose	
24	2220371	4	Fitting, Straight	
25	2750756	1	Hose	
26	2220568	2	Fitting, 45°	
27	Not Used			
28	2752249	2	Hose	
29	2220235	4	Fitting, Plug	
30	Not Used			
31	2752807	1	Hose	
32	2752890	2	Hose	
33	2750790	1	Hose	
34	2752919	2	Hose	
35	2220415	3	Fitting, Straight	
36	2752899	2	Hose	
37	2752966	2	Hose	
38	2752593	1	Hose	
39	2752473	2	Hose	
40	2220909	1	Fitting, Office (.015)	
41	2220605	1	Fitting, Tee	
42	2752573	1	Hose	
43	2751427	2	Hose	
44	2751396	1	Hose	

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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	4640906	1	Valve, 2-Speed Motor Control	
	7012974	1	Cartridge Without Coil	
	7012905	1	Seal Kit	
	7012944	1	Coil	
	Use 4640906	2	Cartridge, Check Valve (Note Not Available for Purchase)	
	7012972	2	Seal Kit	
46	0641508	2	Bolt 5/16in-18NC x 1in	
47	4891500	2	Flatwasher 5/16in Hardened	
48	4711500	2	Flatwasher 5/16in Thin	
49	2220507	2	Fitting, 90°	
50	2752620	2	Hose	
51	Not Used			
52	2220914	1	Orifice (.043)	
53	2220833	2	Fitting, Reducer	
54	2220602	2	Fitting, Tee	
55	2220435	2	Fitting, Straight	
56	2752398	2	Hose	
57	2752889	2	Hose	
58	2220582	5	Fitting, Straight	
59	2220504	4	Fitting, Tee	
60	2220466	2	Fitting, Straight	
61 to 66	Not Used			
67	2220800	4	Fitting, Straight	
68	2752912	2	Hose	
69	2220501	2	Fitting, 45°	
70	Not Used			
71	2752970	2	Hose	
72	Not Used			
73	2220502	1	Fitting, 45°	

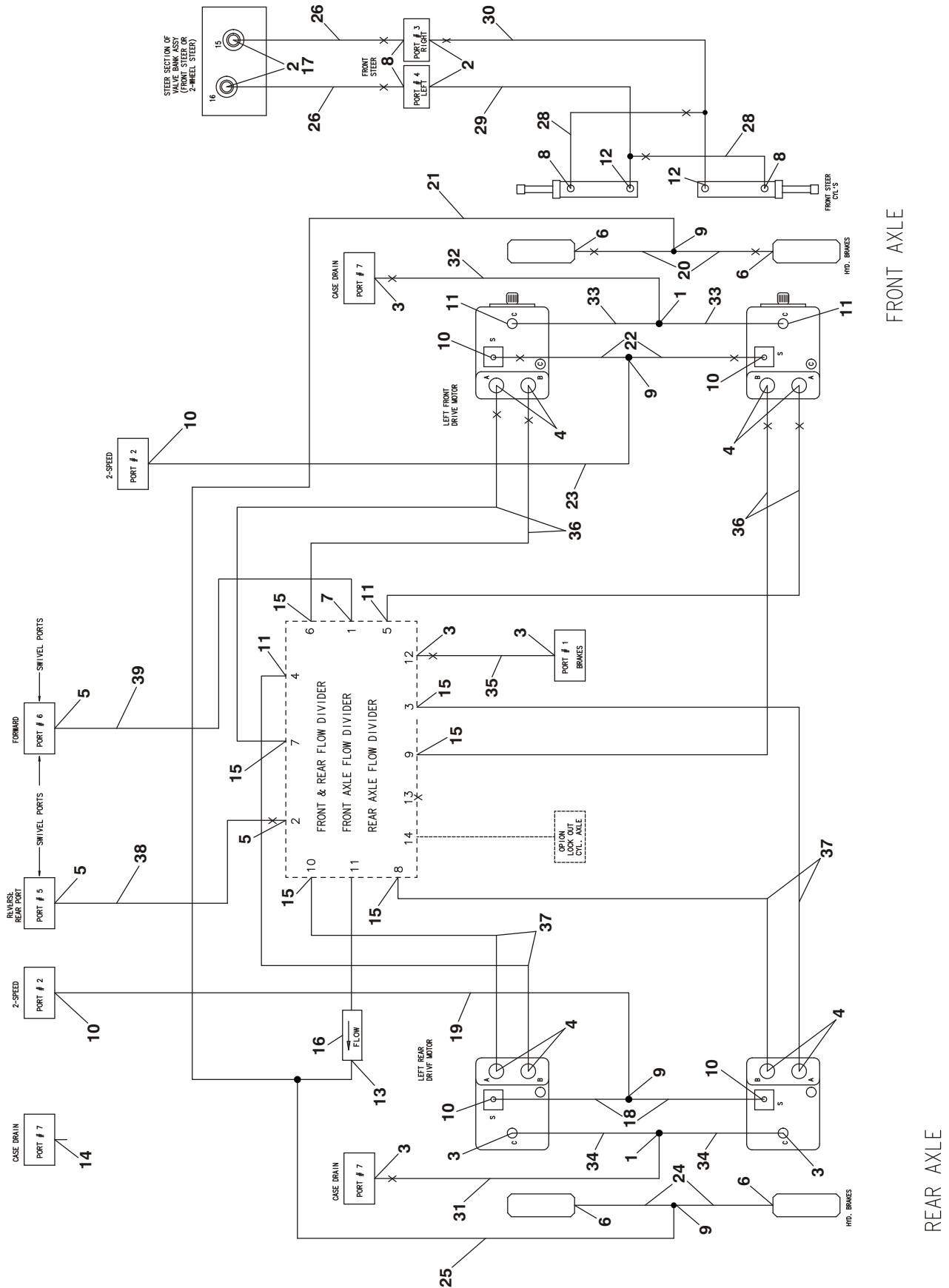
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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (S/N 0300081836 TO S/N 0300087000)



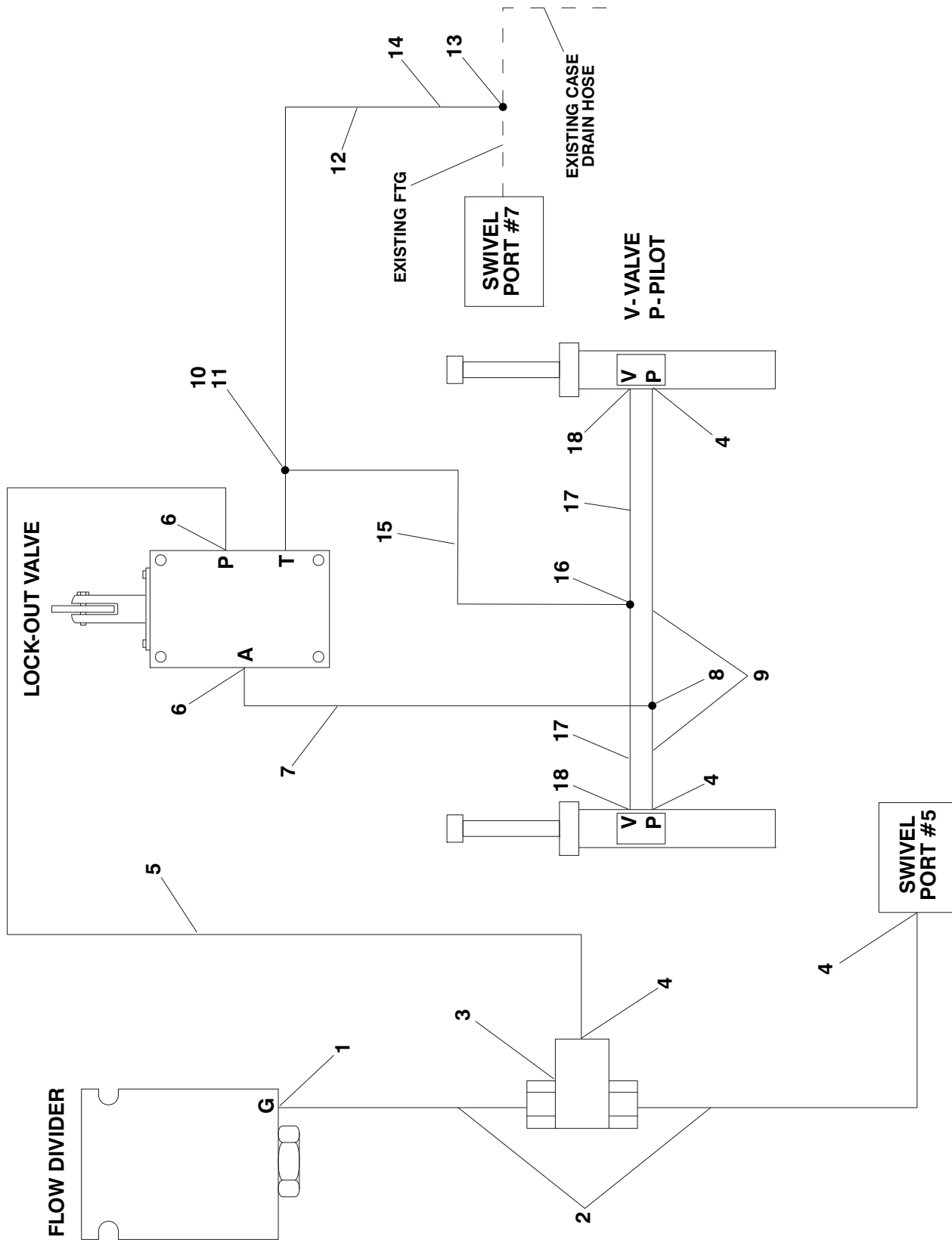
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FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792687	Ref.	DRIVE HYDRAULIC DIAGRAM - 4WD/2WS	1
1	2220362	2	Fitting, Tee	
2	2220371	4	Fitting, Straight	
3	2220373	6	Fitting, Straight	
4	2220375	8	Fitting, Straight	
5	2220377	3	Fitting, Straight	
6	2220415	4	Fitting, Straight	
7	2220646	1	Fitting, 90°	
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	2220500	6	Fitting, 45°	
16	4641284	1	Valve, Check	
17	2220507	2	Fitting, 90°	
18	2753925	2	Hose	
19	2753924	1	Hose	
20	2753926	2	Hose	
21	2754229	1	Hose	
22	2752574	2	Hose	
23	2754230	1	Hose	
24	2752592	2	Hose	
25	2752910	1	Hose	
26	2752620	2	Hose	
27	Not Used			
28	2754235	2	Hose	
29	2754234	1	Hose	
30	2754233	1	Hose	
31	2752928	1	Hose	
32	2754231	1	Hose	
33	2753928	2	Hose	
34	2753929	2	Hose	
35	2752929	1	Hose	
36	2754232	4	Hose	
37	2753930	4	Hose	
38	2754227	1	Hose	
39	2754228	1	Hose	

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FIGURE 6-5. HYDRAULIC DIAGRAM - OSCILLATING AXLE (S/N 0300069000 TO S/N 0300081836)



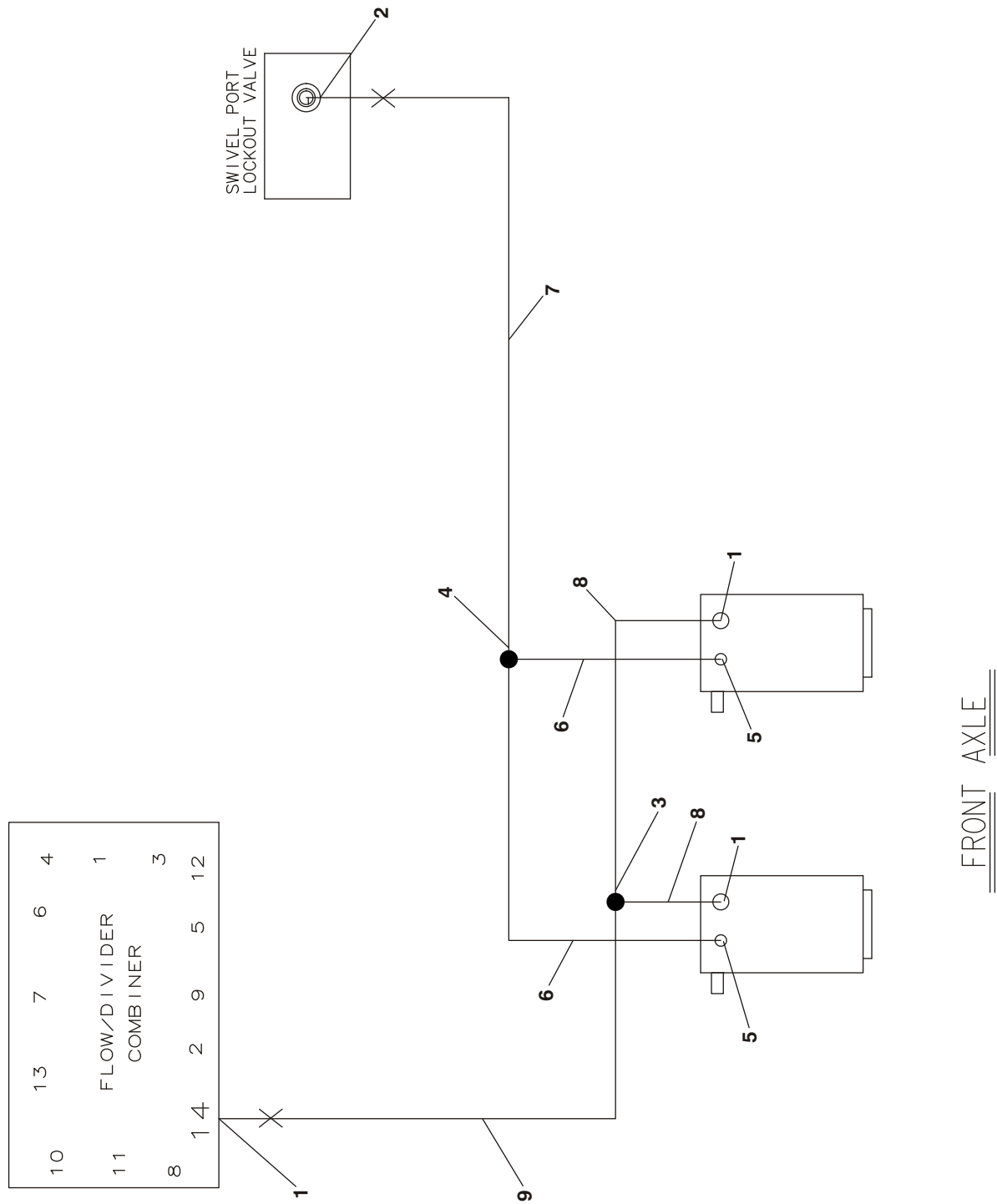
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FIGURE 6-5. HYDRAULIC DIAGRAM - OSCILLATING AXLE (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792230	Ref.	HYDRAULIC DIAGRAM - OSCILLATING AXLE	-
1	2220466	1	Fitting, 90°	
2	2751020	2	Hose	
3	4640939	1	Valve, Shuttle	
4	2220582	6	Fitting, Straight	
5	2751013	1	Hose	
6	2220415	2	Fitting, Straight	
7	2750900	1	Hose	
8	2220504	1	Fitting, Tee	
9	2752920	2	Hose	
10	2220603	1	Fitting, Straight	
11	2220635	1	Fitting, Tee	
12	2752824	1	Hose	
13	2220385	1	Fitting, Tee	
14	2220619	1	Fitting, Reducer	
15	2752823	1	Hose	
16	2220490	1	Fitting, Tee	
17	2752962	2	Hose	
18	2220371	2	Fitting, Straight	

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FIGURE 6-6. HYDRAULIC DIAGRAM - OSCILLATING AXLE (S/N 0300081836 TO S/N 0300087000)



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FIGURE 6-6. HYDRAULIC DIAGRAM - OSCILLATING AXLE (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792690	Ref.	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	

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FIGURE 6-7. HYDRAULIC DIAGRAM - STANDARD (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792188	Ref.	HYDRAULIC DIAGRAM - STANDARD (600A)	21
	2792189	Ref.	HYDRAULIC DIAGRAM - STANDARD (600AJ)	22
1	Not Used			
2	Not Used			
3	2220377	3	Fitting, Straight	
4	2220646	2	Fitting, 90°	
5	2752655	1	Hose	
6	2220578	3	Fitting, 90°	
7	2220366	2	Fitting, 90°	
8	2220385	2	Fitting, Tee	
9	2220618	3	Fitting, Reducer	
10	2752500	1	Hose	
11	2752519	1	Hose	
12	2753132	1	Hose	
13	2220472	2	Fitting, 90°	
14	2752928	1	Hose	
15	2220375	2	Fitting, Straight	
16	2752591	1	Hose (S/N 0300069000 to S/N 0300070977)	
17	2220466	8	Fitting, 90°	
18	2220415	5	Fitting, Straight	
19	Not Used			
20	2752723	1	Hose	
21	2220379	2	Fitting, Straight	
22	2752656	1	Hose	
23	2220567	1	Fitting, 90°	
24	2752724	1	Hose	
25	2220376	1	Fitting, Straight	
26	2220810	1	Fitting, Reducer	
27	4640744	1	Valve, Check	
28	2752604	2	Hose (Note: Also Requires #69 & #68 for Complete Run Up Boom)	
29	2752929	1	Hose	
30	2220602	2	Fitting, Tee	
31	2220619	6	Fitting, Reducer	
32	2220416	1	Fitting, 90° (S/N 0300069000 to S/N 0300070977)	
33	2752635	1	Hose	
34	2753133	1	Hose	
35	2220497	2	Fitting, Straight	
36	2752573	5	Hose	
37	Not Used			
38	2220428	A/R	Fitting, Quick Coupling (600A - Qty.3 /600AJ - Qty.4)	
39	2220429	A/R	Cap, Dust (600A - Qty.3 /600AJ - Qty.4)	
40	2220873	2	Fitting	
41	2752600	2	Hose	
42	2220582	6	Fitting, Straight	
43	2752506	1	Hose (600A)	
	2752516	1	Hose (600AJ)	
44	2220596	3	Fitting, 90°	

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FIGURE 6-7. HYDRAULIC DIAGRAM - STANDARD (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	2220628	6	Fitting, 90°	
46	2220609	A/R	Fitting, Reducer	
47	2220381	A/R	Fitting, Long Straight (600A - Qty.5 /600AJ - Qty.6)	
48	2220974	1	Fitting, Long Straight	
49	2220923	4	Fitting, Long Straight	
50	2220374	3	Fitting	
51	2220574	1	Fitting, Straight	
52	2220921	1	Fitting, Reducer	
53	2220498	1	Fitting, 45°	
54	2752783	1	Hose	
55	2752469	1	Hose	
56	2220372	A/R	Fitting, Straight (600A - Qty.5 /600AJ - Qty.7)	
57	2220899	2	Fitting, Tee	
58	2752636	1	Hose (600A)	
	2752468	1	Hose (600AJ)	
59	Not Used			
60	2220657	1	Fitting, 45° (600A Only)	
61	2221065	1	Fitting, Tee	
62	2752462	1	Hose	
63	2753134	1	Hose	
63	2753134	1	Hose	
64	2752497	1	Hose	
65	2220999	1	Fitting, Tee	
66	Not Used			
67	2220500	1	Fitting, 45°	
68	2752601	3	Hose (Note: Also Requires #69 & #28 or #76 for Complete Run Up Boom)	
69	2220510	3	Fitting, Coupling	
70	2220468	2	Fitting, Straight	
71	2753052	1	Hose	
72	2220502	4	Fitting, 45° (S/N 0300069000 to S/N 0300070977)	
73	2752603	2	Hose	
74	2753055	1	Hose	
75	2752939	2	Hose	
76	2752579	1	Hose (Note: Also Requires #69 & #68 for Complete Run Up Boom)	
77	2220654	2	Fitting, 90°	
78	2220511	1	Fitting, Coupling (600AJ Only)	
79	2753056	1	Hose	
80	2752991	1	Hose	
81	2753135	1	Hose	
82	2752434	1	Hose (S/N 0300069000 to S/N 0300070977)	
83	Not Used			
84	2753047	2	Hose (600AJ Only) (Note: Also Requires #78 & #106 for Complete Run Up Boom)	
85	2220473	1	Fitting, 90° (600AJ Only)	
86	2752453	1	Hose	
87	2752593	1	Hose	
88	2752988	1	Hose (S/N 0300069000 to S/N 0300070977)	
89	2752990	1	Hose	

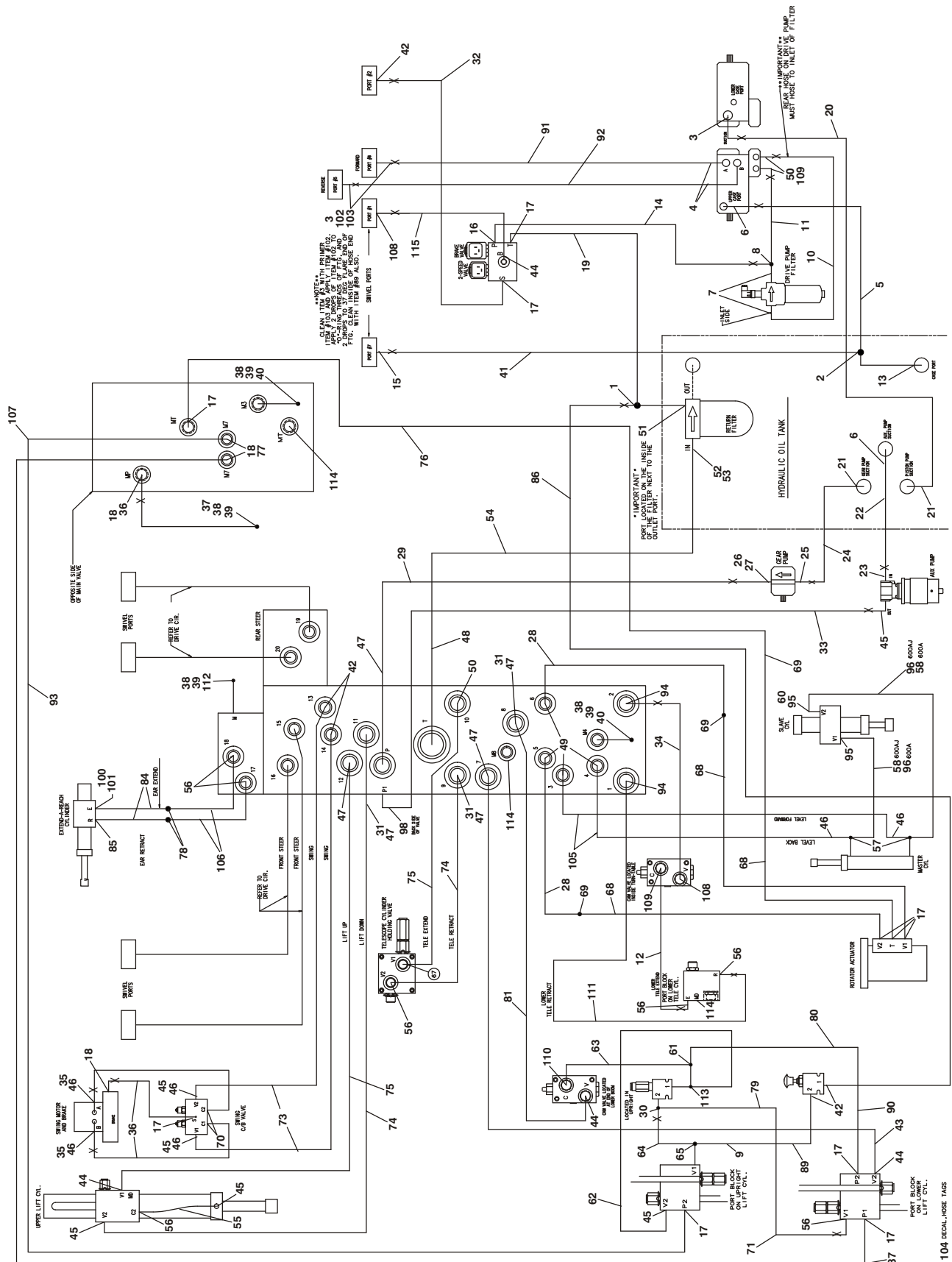
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FIGURE 6-7. HYDRAULIC DIAGRAM - STANDARD (S/N 0300069000 TO S/N 0300081836)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
90	2752985	1	Hose	
91	2752343	1	Hose	
92	2752341	1	Hose	
93	2752592	1	Hose (S/N 0300069000 to S/N 0300070977)	
94	2220998	2	Fitting, Straight	
95	2220603	2	Fitting, Straight	
96	2753046	1	Hose (600A)	
	2752650	1	Hose (600AJ)	
97	Not Used			
98	2220473	1	Fitting, 90°	
99	Not Used			
100	2180724	1	Fitting, Modified 90° (600AJ Only)	
101	2180380	1	Plug, Orifice.06 (600AJ Only)	
102	0100011	A/R	Compound, Locking	
103	0100038	A/R	Primer, Locking	
104	1703534	2	Decal, Hose Tags (Not Shown)	
105	2752989	2	Hose	
106	2752618	2	Hose (600AJ Only) (Note: Also Requires #78 & #84 for Complete Run Up Boom)	
107	2752987	1	Hose	
108	2220373	1	Fitting, Straight	
109	2220947	1	Fitting, Straight	
110	2221036	1	Fitting, O-Ring	
111	2752484	1	Hose	
112	2220873	1	Fitting, Nipple	
113	2221053	1	Fitting, Tee	
114	2220235	3	Plug (S/N 0300070977 to S/N 0300081836)	

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FIGURE 6-8. HYDRAULIC DIAGRAM - STANDARD (S/N 0300081836 TO S/N 0300087000)



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FIGURE 6-8. HYDRAULIC DIAGRAM - STANDARD (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792688	Ref.	HYDRAULIC DIAGRAM - STANDARD (600A)	5
	2792689	Ref.	HYDRAULIC DIAGRAM - STANDARD (600AJ)	3
1	2220605	1	Fitting, Tee	
2	2220409	1	Fitting, 45°	
3	2220377	3	Fitting, Straight	
4	2220646	2	Fitting, 90°	
5	2752655	1	Hose	
6	2220578	2	Fitting, 90°	
7		2	Fitting, 90° Options:	
	2220366		S/N 0300081836 to S/N 0300084829	
	2221042		S/N 0300084829 to S/N 0300087000	
8		1	Fitting, Tee Options:	
	2220385		S/N 0300081836 to S/N 0300084829	
	2220948		S/N 0300084829 to S/N 0300087000	
9	2220618	1	Fitting, Reducer	
10		1	Hose Options:	
	2752500		S/N 0300081836 to S/N 0300084829	
	2754329		S/N 0300084829 to S/N 0300087000	
11		1	Hose	
	2752519		S/N 0300081836 to S/N 0300084829	
	2754330		S/N 0300084829 to S/N 0300087000	
12	2753132	1	Hose	
13	2220738	1	Fitting, Tee	
14		1	Hose Options:	
	2752928		S/N 0300081836 to S/N 0300084829	
	2754328		S/N 0300084829 to S/N 0300087000	
15	2220375	A/R	Fitting, Straight (600A - Qty.1 /600AJ - Qty.2)	
16	2220474	1	Fitting, 90°	
17	2220466	10	Fitting, 90°	
18	2220415	4	Fitting, Straight	
19	2753325	1	Hose	
20	2752723	1	Hose	
21	2220379	2	Fitting, Straight	
22	2752656	1	Hose	
23	2220567	1	Fitting, 90°	
24	2752724	1	Hose	
25	2220376	1	Fitting, Straight	
26	2220810	1	Fitting, Reducer	
27	4640744	1	Valve, Check	
28	2752604	2	Hose (Note: Also Requires #69 & #68 for Complete Run Up Boom)	
29	2752929	1	Hose	
30	2220602	1	Fitting, Tee	
31	2220619	3	Fitting, Reducer	
32	2751396	1	Hose	
33	2752635	1	Hose	
34	2753133	1	Hose	
35	2220497	2	Fitting, Straight	

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FIGURE 6-8. HYDRAULIC DIAGRAM - STANDARD (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
36	2752573	A/R	Hose (600A - Qty.4 /600AJ - Qty.3)	
37	2220414	1	Fitting, Straight	
38	2220428	A/R	Fitting, Quick Coupling (600A - Qty.3 /600AJ - Qty.4)	
39	2220429	A/R	Cap, Dust (600A - Qty.3 /600AJ - Qty.4)	
40	2220873	2	Fitting	
41	2752600	1	Hose (600A) (S/N 0300081836 to S/N 0300084829)	
	2753968	1	Hose (600A) (S/N 0300084829 to S/N 0300087000)	
	2753968	1	Hose (600AJ)	
42	2220582	6	Fitting, Straight	
43	2752506	1	Hose (600A)	
	2752516	1	Hose (600AJ)	
44	2220596	4	Fitting, 90°	
45	2220628	6	Fitting, 90°	
46	2220609	6	Fitting, Reducer	
47	2220381	6	Fitting, Long Straight	
48	2220974	1	Fitting, Long Straight	
49	2220923	4	Fitting, Long Straight	
50	2220374	A/R	Fitting Options:	
		3	S/N 0300081836 to S/N 0300084829	
		1	S/N 0300084829 to S/N 0300087000	
51	2220574	1	Fitting, Straight	
52	2220921	1	Fitting, Reducer	
53	2220498	1	Fitting, 45°	
54	2752783	1	Hose	
55	2752469	1	Hose	
56	2220372	A/R	Fitting, Straight (600A - Qty.5 /600AJ - Qty.7)	
57	2220899	2	Fitting, Tee	
58	2752636	1	Hose (600A)	
	2752468	1	Hose (600AJ)	
59	Not Used			
60	2220657	1	Fitting, 45° (600A Only)	
61	2221065	1	Fitting, Tee	
62	2752462	1	Hose	
63	2753134	1	Hose	
64	2752497	1	Hose	
65	2220999	1	Fitting, Tee	
66	Not Used			
67	2220500	1	Fitting, 45°	
68	2752601	3	Hose (Note: Also Requires #69 & #28 or #76 for Complete Run Up Boom)	
69	2220510	3	Fitting, Coupling	
70	2220468	2	Fitting, Straight	
71	2753052	1	Hose	
72	Not Used			
73	2752603	2	Hose	
74	2753055	2	Hose	
75	2752939	2	Hose	
76	2752579	1	Hose (Note: Also Requires #69 & #68 for Complete Run Up Boom)	
77	2220654	2	Fitting, 90°	

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FIGURE 6-8. HYDRAULIC DIAGRAM - STANDARD (S/N 0300081836 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
78	2220511	1	Fitting, Coupling (600AJ Only)	
79	2753056	1	Hose	
80	2752991	1	Hose	
81	2753135	1	Hose	
82	Not Used			
83	Not Used			
84	2753047	2	Hose (600AJ Only) (Note: Also Requires #78 & #106 for Complete Run Up Boom)	
85	2220473	1	Fitting, 90° (600AJ Only)	
86	2752453	1	Hose	
87	2752593	1	Hose	
88	Not Used			
89	2752990	1	Hose	
90	2752985	1	Hose	
91		1	Hose Options:	
	2752343		72in/1.83m Length	
	2752341		66in/1.68m Length	
92		1	Hose Options:	
	2752343		72in/1.83m Length	
	2752341		66in/1.68m Length	
93	Not Used			
94	2220998	2	Fitting, Straight	
95	2220603	2	Fitting, Straight	
96	2753046	1	Hose (600A)	
	2752650	1	Hose (600AJ)	
97	Not Used			
98	2220473	1	Fitting, 90°	
99	Not Used			
100	2180724	1	Fitting, Modified 90° (600AJ Only)	
101	2180380	1	Plug, Orifice.06 (600AJ Only)	
102	0100011	A/R	Compound, Locking	
103	0100038	A/R	Primer, Locking	
104	1703534	2	Decal, Hose Tags (Not Shown)	
105	2752989	2	Hose	
106	2752618	2	Hose (600AJ Only) (Note: Also Requires #78 & #84 for Complete Run Up Boom)	
107	2752987	1	Hose	
108	2220373	A/R	Fitting, Straight (600A - Qty.1 /600AJ - Qty.2)	
109	2220947		Fitting, Straight Options:	
		1	S/N 0300081836 to S/N 0300084829	
		3	S/N 0300084829 to S/N 0300087000	
110	2221036	1	Fitting, O-Ring	
111	2752484	1	Hose	
112	2220873	1	Fitting, Nipple	
113	2221053	1	Fitting, Tee	
114	2220235	3	Plug	
115	2752519	1	Hose	

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FIGURE 6-9. HYDRAULIC DIAGRAM LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Note: Diagrams with asterisk (*) are shown in the preceding pages. Information on diagrams not shown is available from JLG Service/Parts Departments.	
	1282396	Ref.	DRIVE HYDRAULIC DIAGRAMS	
			600A and 600AJ With 8ft/2.4m Width Frame:	
	2792193*	Ref.	2WD/2WS (S/N 0300069000 to S/N 0300081836)	
	2792692*	Ref.	2WD/2WS (S/N 0300081836 to S/N 0300087000)	
	2792194	Ref.	2WD/4WS (S/N 0300069000 to S/N 0300081836)	
	2792702	Ref.	2WD/4WS (S/N 0300081836 to S/N 0300087000)	
	2792195*	Ref.	4WD/2WS (S/N 0300069000 to S/N 0300081836)	
	2792687*	Ref.	4WD/2WS (S/N 0300081836 to S/N 0300087000)	
	2792196	Ref.	4WD/4WS (S/N 0300069000 to S/N 0300081836)	
	2792697	Ref.	4WD/4WS (S/N 0300081836 to S/N 0300087000)	
			600A and 600AJ With 7ft/2.1m Width Frame:	
	2792191	Ref.	2WD/2WS	
	2792192	Ref.	2WD/2WS	
		Ref.	OSCILLATING AXLE HYDRAULIC DIAGRAMS	
	2792230*	Ref.	S/N 0300069000 to S/N 0300081836	
	2792690*	Ref.	S/N 0300081836 to S/N 0300087000	
		Ref.	STANDARD HYDRAULIC DIAGRAM - 600A	
	2792188/1282396*	Ref.	S/N 0300069000 to S/N 0300081836	
	2792688/1283429*	Ref.	S/N 0300081836 to S/N 0300087000	
		Ref.	STANDARD HYDRAULIC DIAGRAM - 600AJ	
	2792189/1282396*	Ref.	S/N 0300069000 to S/N 0300081836	
	2792689/1283429*	Ref.	S/N 0300081836 to S/N 0300087000	
		Ref.	STANDARD HYDRAULIC SCHEMATIC	
	2792177	Ref.	S/N 0300069000 to S/N 0300081836	
	2792691	Ref.	S/N 0300081836 to S/N 0300087000	
	2792405	Ref.	TOOL CIRCUIT HYDRAULIC DIAGRAM	
	2792315	Ref.	TOW HYDRAULIC DIAGRAM	

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FIGURE 7-1. ELECTRICAL DIAGRAM LIST

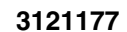
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Note: Diagrams with asterisks (*) are shown in the following pages. Diagrams not shown are available from the JLG Service Department.	
		Ref.	ALARM ELECTRICAL DIAGRAMS	
	4933025/1282937	Ref.	Motion	1/A
	4933026/1282937	Ref.	Travel	1/A
	1282571	Ref.	COLD WEATHER START ELECTRICAL DIAGRAM (DEUTZ)	J
		Ref.	DRIVE CUT-OUT ELECTRICAL DIAGRAM	
	4932993/1282828	Ref.	Above Elevation Tilt	2/B
	3640493	1	Rail, Mounting	
	4460607	2	Stop, Terminal	
	4120013	1	Socket, Relay	
	3740058	1	Relay 4PDT	
	2740063	1	Spring, Relay	
	4933307	Ref.	DRIVE/STEER CUT-OUT ELECTRICAL DIAGRAMS	A
	4932986	Ref.	ENGINE LOW OIL SHUTDOWN ELECTRICAL DIAGRAM	2/B
	4933308	Ref.	FLOOD LIGHTS ELECTRICAL DIAGRAM	1/A
		Ref.	GENERATOR ELECTRICAL DIAGRAMS	
	4933215	Ref.	110V (S/N 0300069000 to S/N 0300081836)	1/B
	4933216	Ref.	220V (S/N 0300069000 to S/N 0300081836)	1/B
	4933300	Ref.	110V/220V (S/N 0300081836 to S/N 0300087000)	1/A
	4933264	Ref.	Caterpillar/Deutz Engines - 7500W Generator	1/C
	4933283	Ref.	Ford Engines - 7500W Generator	1/A
	4933219	Ref.	HEADLIGHTS/TAILLIGHTS ELECTRICAL DIAGRAM	1/B
	4933312	Ref.	CHASSIS ILLUMINATION ELECTRICAL DIAGRAM	1/A
	4922484	1	Harness (Located in Ground Console Box)	
	3740049	1	Relay	
		Ref.	OIL COOLER ELECTRICAL DIAGRAMS	
	0256765/1282665	Ref.	Deutz Machines	5/E
	0256778/1283309	Ref.	Ford Machines	3/C
	0270723	Ref.	PLATFORM BEACON ELECTRICAL DIAGRAM	1/A
	4922639	Ref.	PLATFORM ELECTRICAL DIAGRAMS	F
	4933218	Ref.	PLATFORM SOFT TOUCH SYSTEM ELECTRICAL DIAGRAM	1/B
	3740057	1	Relay (Located in Platform Console Box)	
	4120012	1	Socket, Relay (Located in Platform Console Box)	
	3740066	1	Spring, Relay (Located in Platform Console Box)	
	3740049	1	Relay (Located in Platform Console Box)	
	4460600	1	Block, Terminal (Located in Platform Console Box)	

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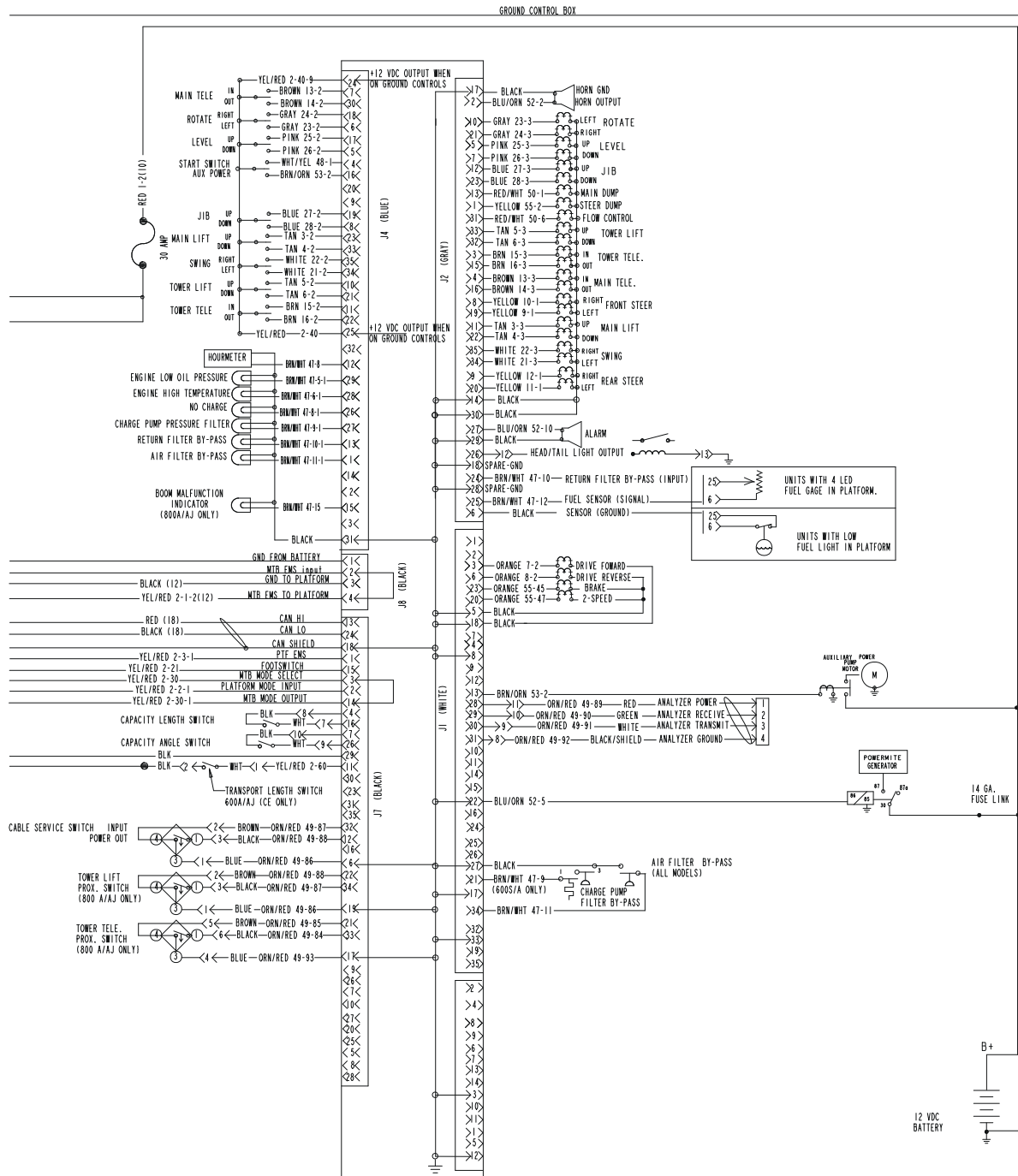
FIGURE 7-1. ELECTRICAL DIAGRAM LIST (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Note: Diagrams with asterisks (*) are not shown in the following pages. Diagrams not shown are available from the JLG Service Department.	
		Ref.	PLATFORM WORKLIGHTS ELECTRICAL DIAGRAM	
	0270814	Ref.	S/N 0300069000 to S/N 0300074445	3/E
	0273492	Ref.	S/N 0300074445 to S/N 0300087000	B
	4933263	Ref.	POWER TOOL ELECTRICAL DIAGRAM	1/B
		Ref.	STANDARD ELECTRICAL DIAGRAMS	
	4933295	Ref.	Caterpillar Engine (S/N 0300069000 to S/N 0300084829)	2/C
	4933329	Ref.	Caterpillar Engine (S/N 0300084829 to S/N 0300087000)	1/A
	4933213	Ref.	Deutz Engine (S/N 0300069000 to S/N 0300084829)	2/B
	4933319	Ref.	Deutz Engine (S/N 0300084829 to S/N 0300087000)	D
	4933063	Ref.	Deutz Engine - UL Machines	2/D
	4933212	Ref.	Ford EFI Engine (S/N 0300069000 to S/N 0300084829)	3/C
	4933331	Ref.	Ford EFI Engine (S/N 0300084829 to S/N 0300087000)	1/A
	4933055	Ref.	Ford Engine - UL Machines	2/F
		Ref.	STANDARD ELECTRICAL SCHEMATIC	
	1870132*	Ref.	Caterpillar & Ford Engine Machines	H
	1870132*	Ref.	Deutz Engine Machines (S/N 0300069000 to S/N 0300084829)	H
	1870191*	Ref.	Deutz Engine Machines (S/N 0300084829 to S/N 0300087000)	A

FIGURE 7-2. ELECTRICAL SCHEMATIC - DEUTZ S/N 0300069000 TO S/N 0300084829 AND ALL CATERPILLAR & FORD

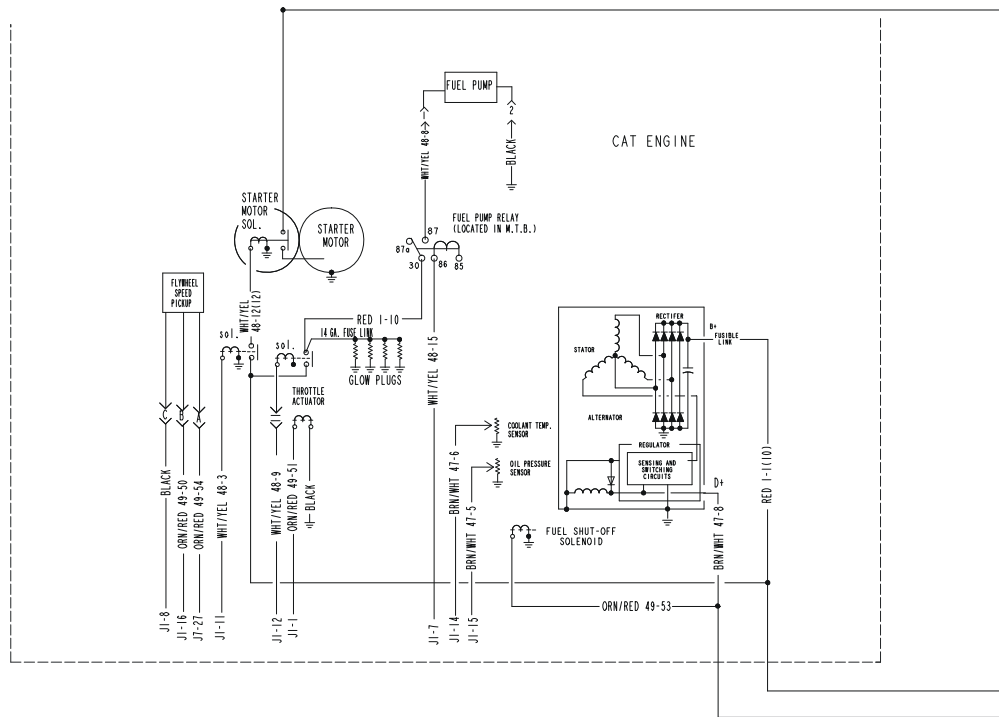


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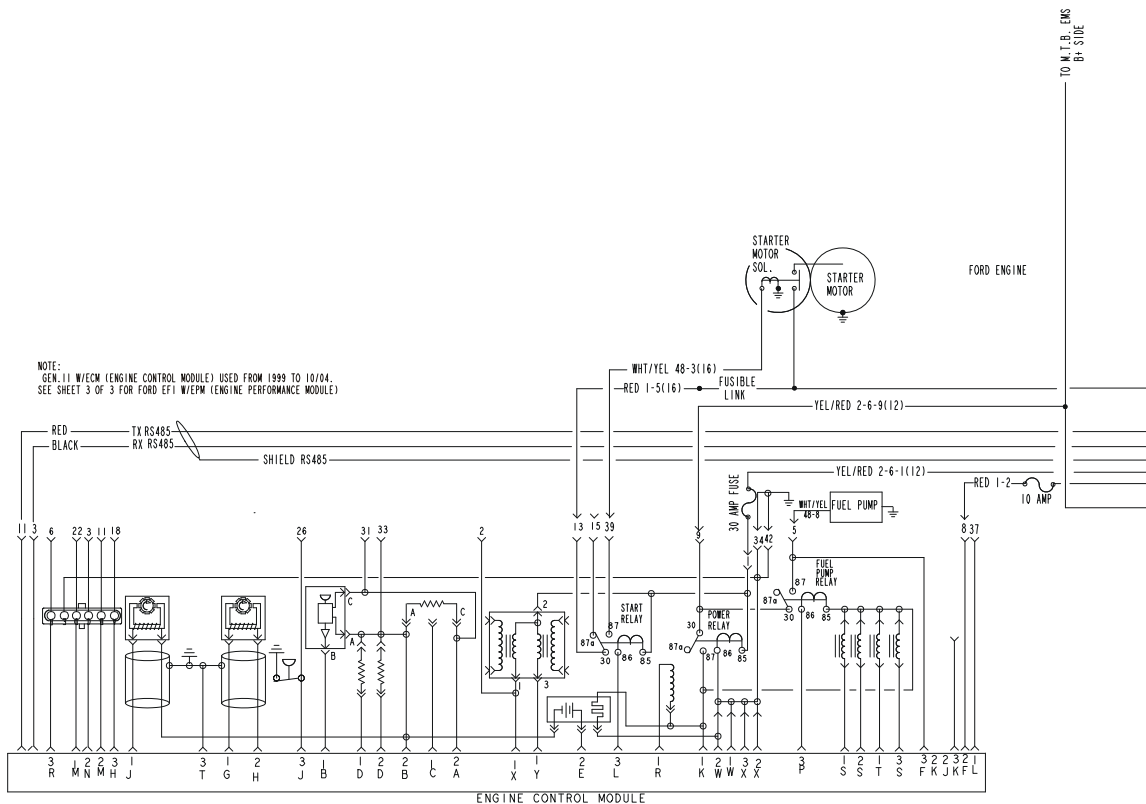


1870132 - H

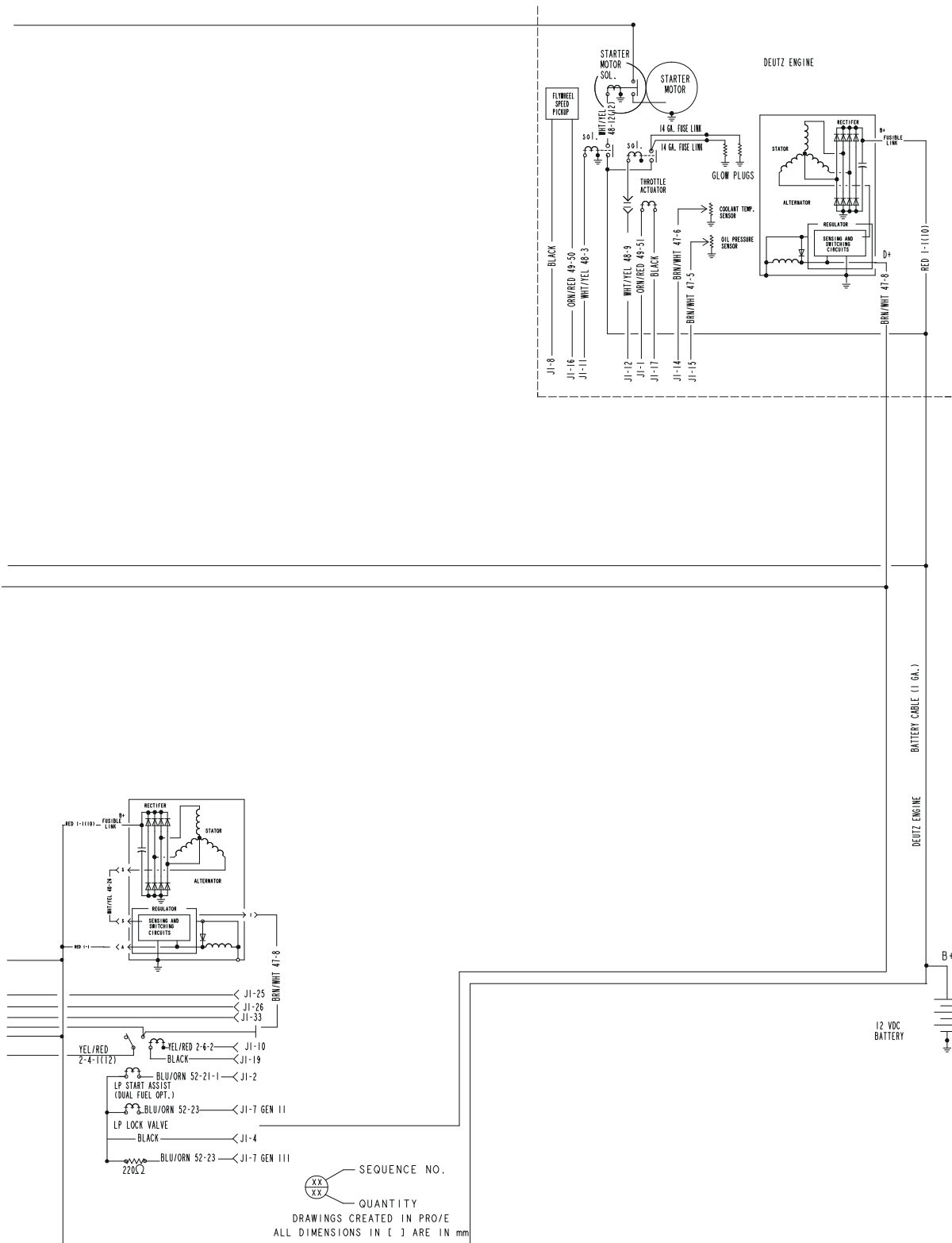
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NOTE:
GEN. 1.1 W/ECM (ENGINE CONTROL MODULE) USED FROM 1999 TO 10/04.
SEE SHEET 3 OF 3 FOR FORD EF1 W/EPM (ENGINE PERFORMANCE MODULE)

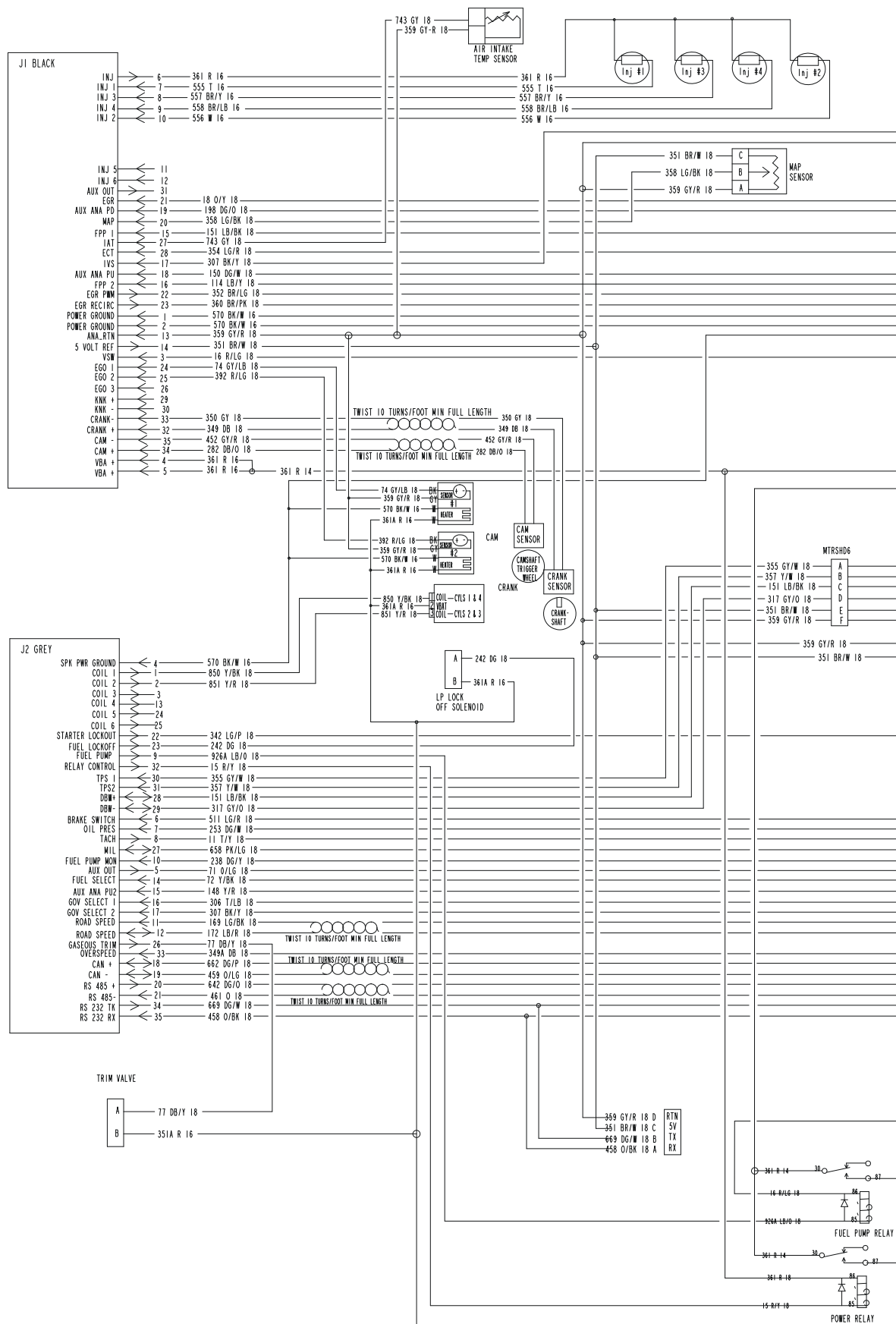


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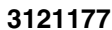


1870132 - H

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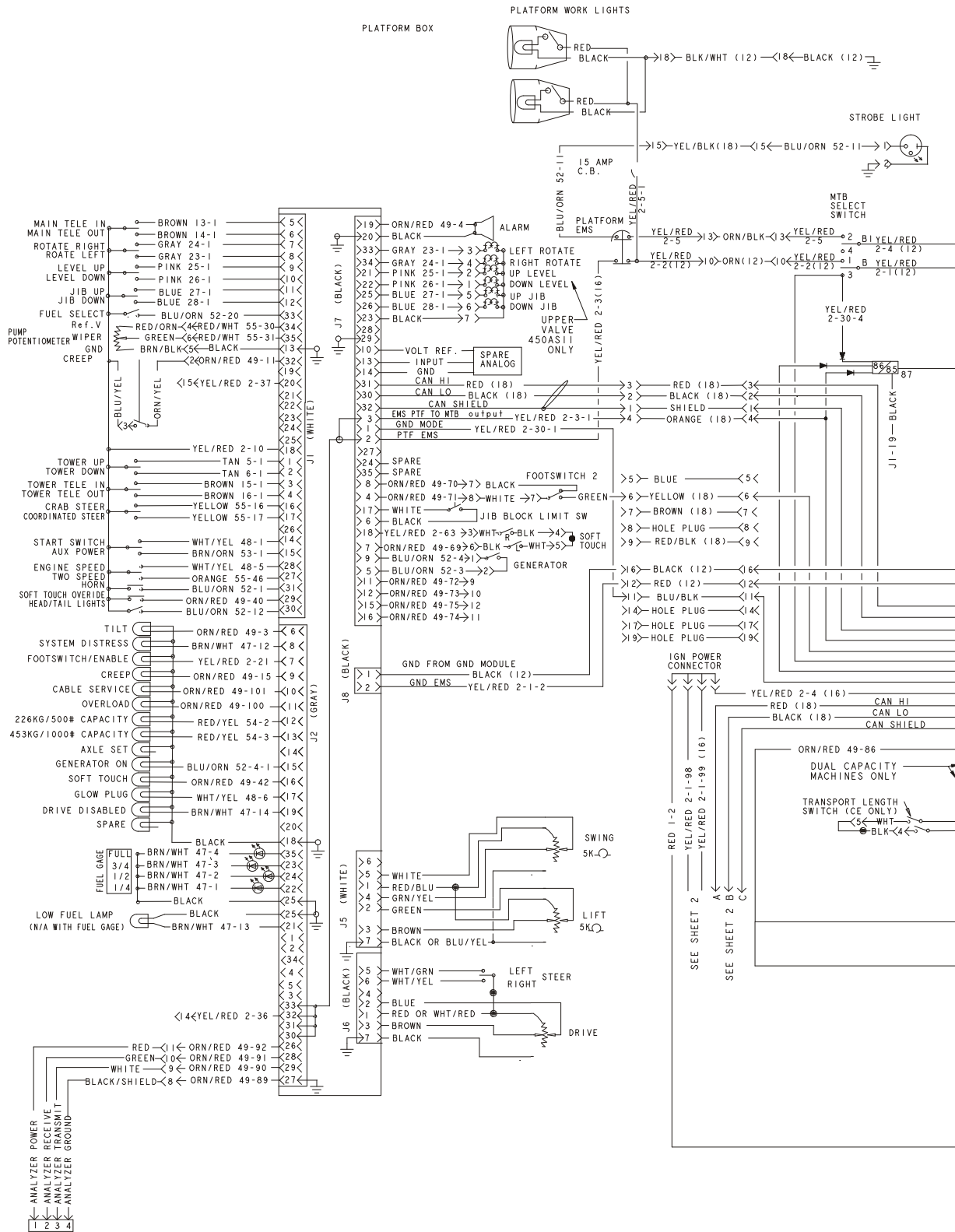


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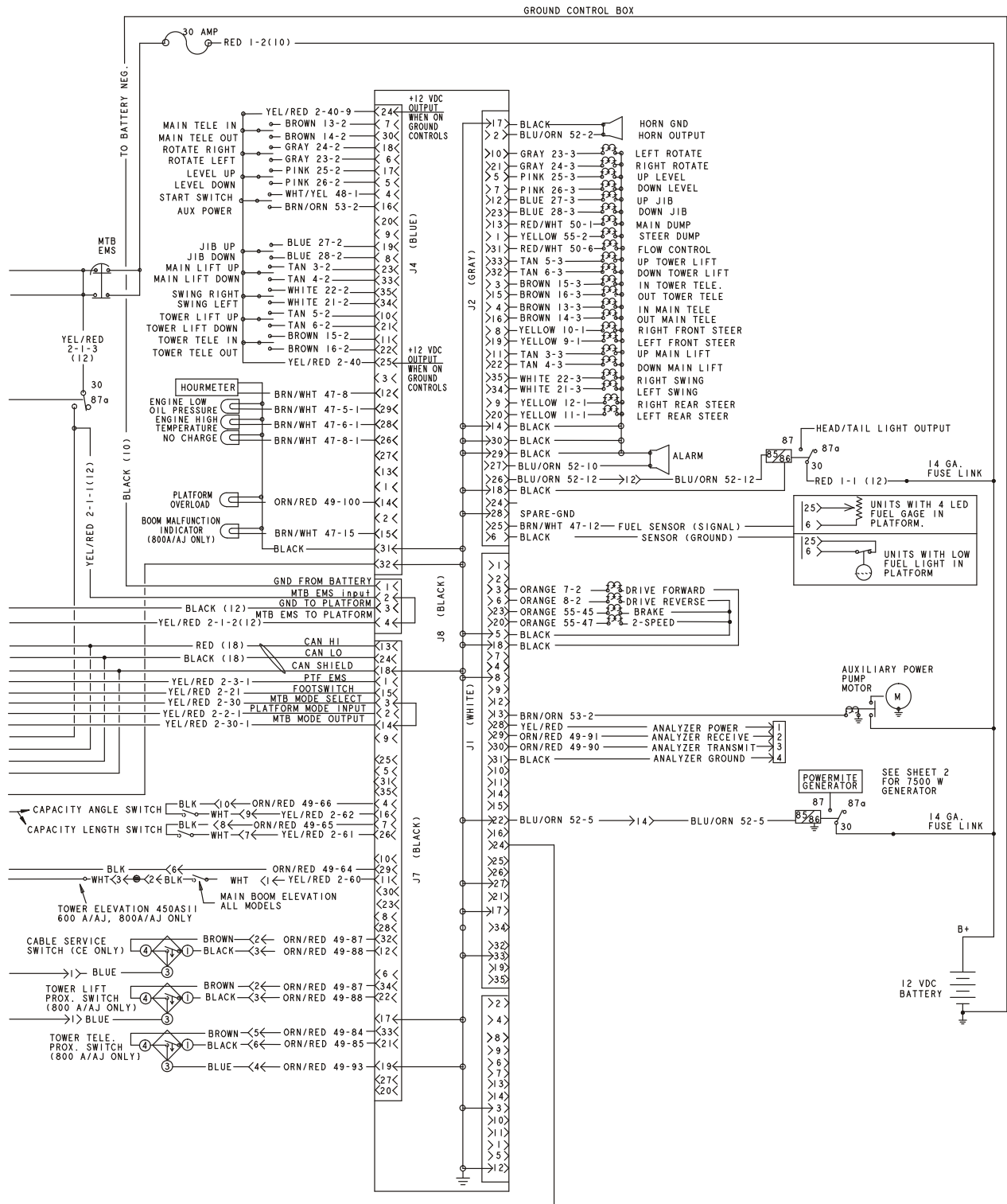


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FIGURE 7-3. ELECTRICAL SCHEMATIC - DEUTZ ENGINE(S/N 0300084827 TO S/N 0300087000)



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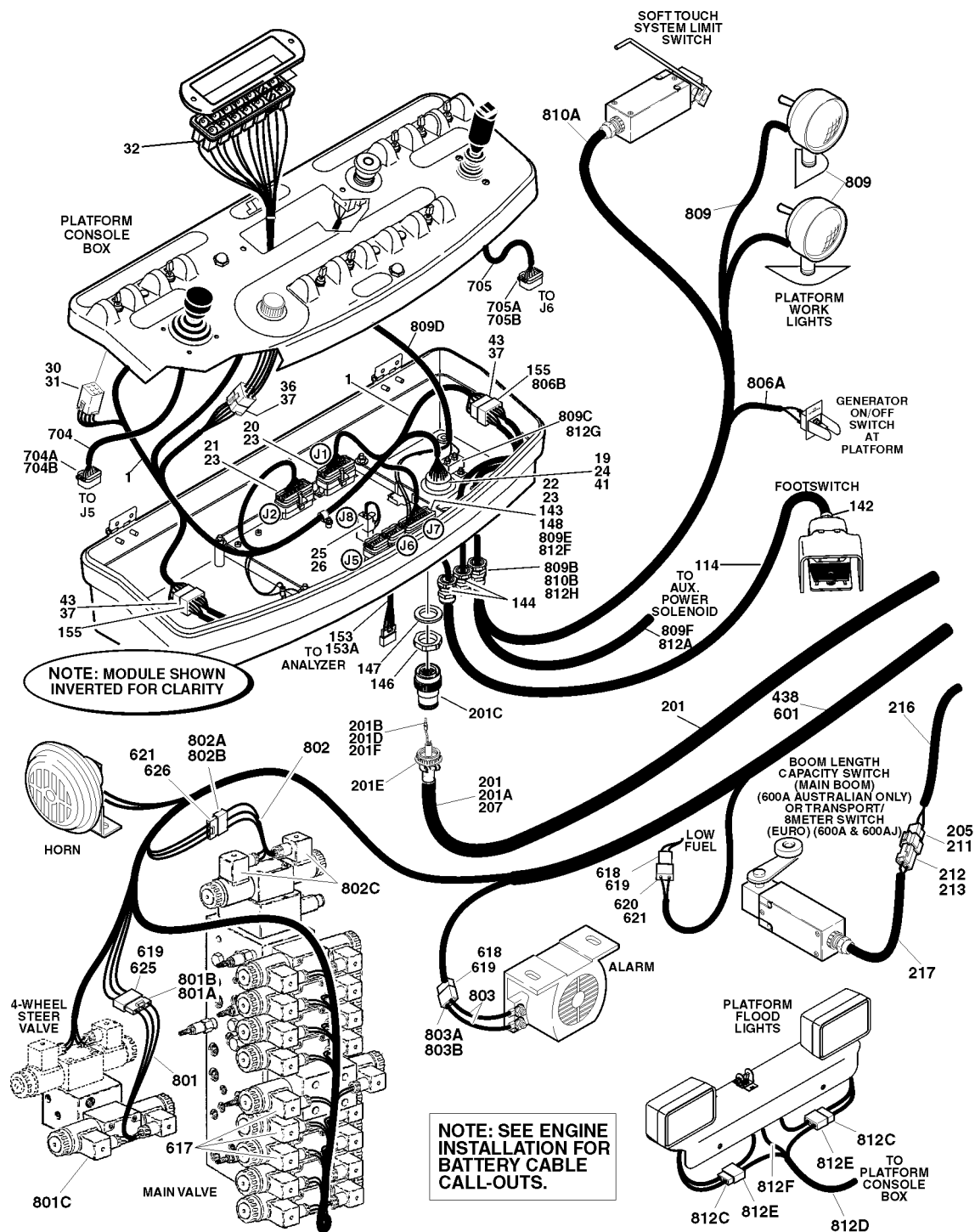


1870191 - A

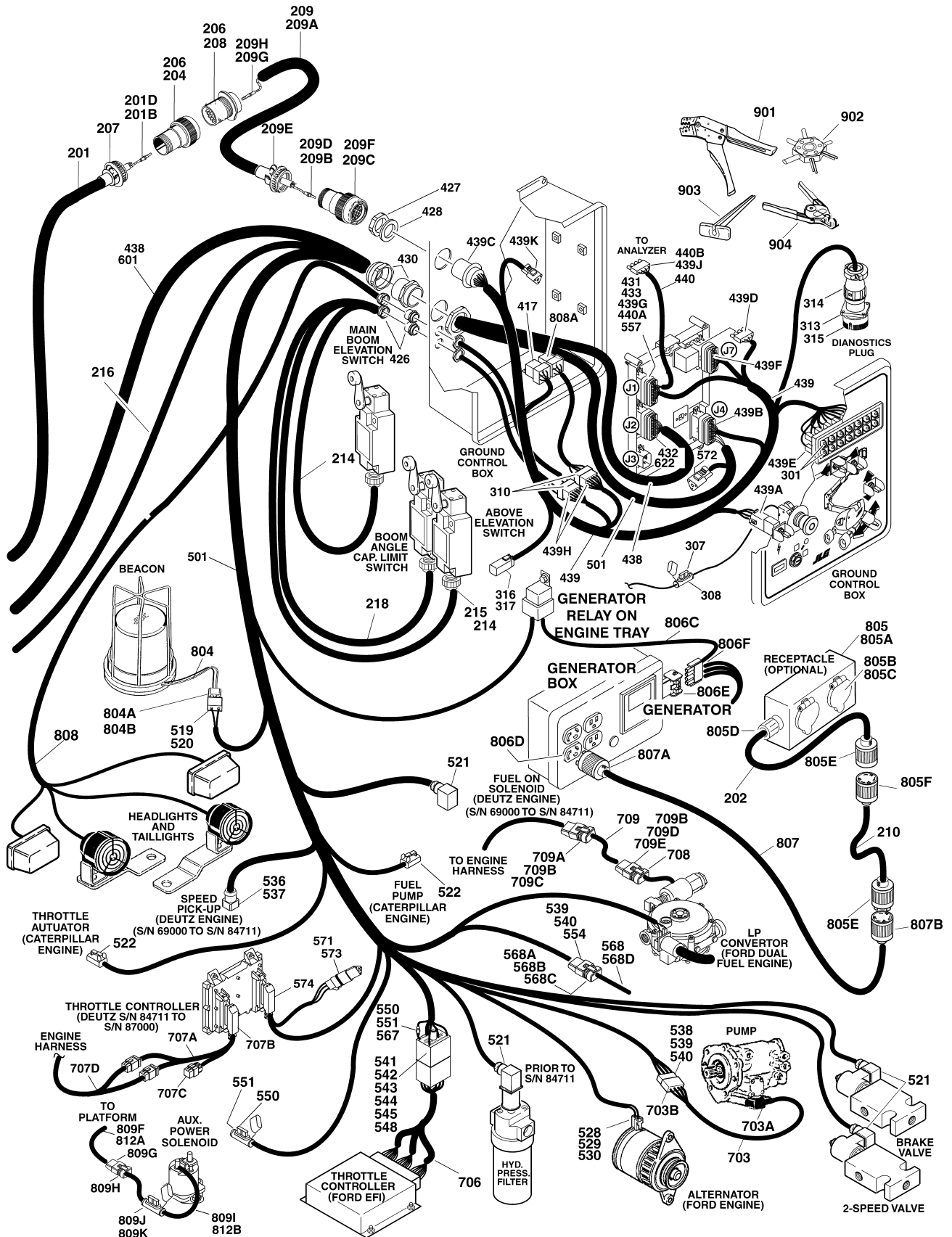
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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION



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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4922639	Ref.	PLATFORM BOX HARNESS ASSEMBLY	5
1	4922639	1	Harness, Console Box	
2 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	70	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	8	Connector - 6 Position	
31	4460419	24	Terminal, Female	
32	4120035	12	Base, Light	
33 to 35	Not Used			
36	4460225	1	Connector - 6 Position	
37	4460227	28	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	12	Lamp, Indicator	
		Ref.	PLATFORM BOX ASSEMBLY COMPONENTS	
101 to 103	Not Used			
104	0100048	A/R	Grease, Dielectric (Used at Module Connections)	
105 to 113	Not Used			
114	1060918	8ft/2.4m	Cable, Electrical - 18/3	
115 to 141	Not Used			
142	4460071	1	Connector, Strain Relief	
143	4460226	2	Socket, Female	
144	4460428	2	Connector, Strain Relief	
145	Not Used			
146	4460470	1	Nut, Terminal	
147	4460471	1	Lockwasher, Terminal	
148	4460905	5	Seal, Plug	
149 to 152	Not Used			
153	4922666	1	Harness, Analyzer Cable	2/B
	4460226	4	Socket, Female (Not Shown - Located at J2)	
153A	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
154	Not Used			
155	4460708	2	Terminal, 15 Pin Mate-N-Loc	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	BOOM CABLES INSTALLATION	
	0270818	Ref.	600A	6
	0270820	Ref.	600AJ	6
	0272624	Ref.	600A (With 7500W Generator) (Sky Power)	2
	0272625	Ref.	600AJ (With 7500W Generator) (Sky Power)	2
	0274618	Ref.	600AJ (Dual AC)	1/A
201	4922493	1	Harness, Main Boom	
201A	1060896	45.5ft/13.9m	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	
201F	4460466	4	Seal, Plug	
202		A/R	Cable, Electrical - 12/3 Options (Does not include plug ends) (Qty 2 Required for Dual AC):	
	1060494	46ft/14m	S/N 0300069000 to S/N 0300071458	
	4922894	1	S/N 0300071458 to S/N 0300087000	
202A	4460205	1	Plug, Male (110V)	
202B	4460134	1	Connector, Female (110V)	
	4922810	1	Harness, Electrical - 8/5 (Does not include plug ends) (With 7500W Generator)	
	1060945	47ft/14.3m	Cable, Electrical - 8/5 (With 7500W Generator)	
203	Not Used			
204	4460865	1	Plug, Connector (19 Pin)	
205	4460465	2	Socket, Female - #18 (S/N 0300069000 to S/N 0300071458)	
206	4460466	8	Seal, Plug	
207	4460473	1	Clamp, Cable	
208	4460866	1	Plug, Connector (19 Pin)	
209	4922494	1	Harness, Lower Boom Cable	
209A	1060896	35.5ft/10.8m	Cable	
209B	4460465	22	Socket, Female - #16	
209C	4460865	1	Plug, Connector (19 Pin)	
209D	4460509	8	Socket, Female - #12	
209E	4460473	1	Clamp, Cable	
209F	4460466	4	Seal, Plug	
209G	4460464	11	Pin, Male (16 Gauge)	
209H	4460508	4	Pin, Male (12 Gauge)	
210		A/R	Cable, Electrical - 12/3 Options (Does not include plug ends) (Qty 2 Required for Dual AC):	
	1060494	33ft/10m	S/N 0300069000 to S/N 0300071458	
	4922892	1	S/N 0300071458 to S/N 0300087000	
	4922811	1	Harness, Electrical - 8/5 (Does not include plug ends) (With 7500W Generator)	
	1060945	36ft/10.9m	Cable, Electrical - 8/5 (With 7500W Generator)	
211	4460891	1	Connector, Terminal (600A Only) (S/N 0300069000 to S/N 0300071458)	
212	4460897	1	Plug, Terminal (600A Only) (S/N 0300069000 to S/N 0300071458)	
213	4460464	A/R	Pin, Male (16 Gauge) (S/N 0300069000 to S/N 0300071458)	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
214	1060902	A/R 37ft/11.3m	Cable, Electrical - 18/2 Main Boom Limit Switch S/N 0300069000 to S/N 0300071458	
	1061033	A/R	S/N 0300071458 to S/N 0300087000 (600A - Qty.3 /600AJ - Qty.2)	
215	1060902	A/R 37ft/11.3m 18ft/5.5m	Cable, Electrical - 18/2 Tower Boom Limit Switch 600A (S/N 0300069000 to S/N 0300071458) 600AJ (S/N 0300069000 to S/N 0300071458)	
216	1060902	A/R 37ft/11.3m	Cable, Electrical - 18/2 Main Boom Length Options (600A Only): S/N 0300069000 to S/N 0300071458	
	4922891	1	S/N 0300071458 to S/N 0300087000	
217	1060902	A/R 19ft/5.8m	Cable, Electrical - 18/2 Main Boom Length Options (600A Only): S/N 0300069000 to S/N 0300071458	
	4922890	1	S/N 0300071458 to S/N 0300087000	
218	1060902	37ft/11.3m	Cable, Electrical - 18/2 Main Boom Cap. Angle (600A Only) (S/N 0300069000 to S/N 0300071458)	
		Ref.	GROUND CONTROL BOX DIAGRAMS	
	4933295	Ref.	Caterpillar Engine (S/N 0300069000 to S/N 0300084829)	2/C
	4933329	Ref.	Caterpillar Engine (S/N 0300084829 to S/N 0300087000)	1/A
	4933213	Ref.	Deutz Engine (S/N 0300069000 to S/N 0300084829)	2/B
	4933319	Ref.	Deutz Engine (S/N 0300084829 to S/N 0300087000)	D
	4933212	Ref.	Ford EFI Engine (S/N 0300069000 to S/N 0300084829)	3/C
	4933331	Ref.	Ford EFI Engine (S/N 0300084829 to S/N 0300087000)	1/A
301	2920129	A/R	Bulb, Light	
302 to 306	Not Used			
307	2400065	1	Fuse, 30Amp	
308	2400066	1	Fuse, Holder W/Cover	
309	Not Used			
310	4460708	A/R	Receptacle, Female - 15 Position	
	4460226	A/R	Socket, Female	
	4922637	1	Harness, Jumper (Not Shown)	
		Ref.	Note: Items 313-318 is used on Deutz Engine Only (S/N 0300084829 to S/N 0300087000).	
313	4461072	1	Connector, Flange Mount Receptacle (Part of 2902443 Kit)	
314	4461074	1	Connector, Backshell (Part of 2902443 Kit)	
	4461071	4	Socket, Female (Part of 2902443 Kit)	
315	4461073	1	Cap, Dust (Part of 2902443 Kit)	
316	4460894	1	Plug, Connector (6 Pin)	
317	4460892	1	Junction, Connector (6 Pin)	
	2902443	1	Connector Kit (Includes Items 313-315)	
		Ref.	GROUND CONTROL HARNESS ASSEMBLY	
401 to 416	Not Used			
417	3740049	A/R	Relay	
418 to 425	Not Used			
426	4460426	A/R	Connector, Strain Relief	
427	4460470	1	Nut, Terminal	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
428	4460471	1	Lockwasher, Terminal	
429	Not Used			
430	4460526	1	Connector, Strain Relief	
431	4460874	1	Connector (Natural)	
432	4460875	1	Connector (Gray)	
433	4460905	4	Connector, Amp Seal Plug	
434 to 436	Not Used			
437			Engine Harness Assembly (Not Shown - See 501 to 566 for Breakdown)	
	4922921	1	Caterpillar Engine Machines (S/N 0300069000 to S/N 0300084829)	
	4923227	1	Caterpillar Engine Machines (S/N 0300084829 to S/N 0300087000)	
	4922515	1	Deutz Engine Machines (Non UL Machines) (S/N 0300069000 to S/N 0300084829)	
	4923212	1	Deutz Engine Machines (Non UL Machines) (S/N 0300084829 to S/N 0300087000)	
	4923063	1	Deutz Engine Machines (UL Machines)	
	4922514	1	Ford Engine Machines with EFI (S/N 0300069000 to S/N 0300084829)	
	4923226	1	Ford Engine Machines with EFI (S/N 0300084829 to S/N 0300087000)	
438		1	Valve Harness Assembly Options (See 601 to 628 for Breakdown):	
	4922508		S/N 0300069000 to S/N 0300084829	
	4923224		S/N 0300084829 to S/N 0300087000	
439		1	Ground Control Box Harness Assembly Options	
	4922638		Caterpillar/Deutz Engine (S/N 0300069000 to S/N 0300084829)	5/F
	4923231		Caterpillar Engine (S/N 0300084829 to S/N 0300087000)	2/B
	4923223		Deutz Engine (S/N 0300084829 to S/N 0300087000)	D
439A	4460418	A/R	Connector, Female- 6 Position	
	4460419	A/R	Socket, Female	
439B	4460876	1	Connector, 35- Position	
	4460871	A/R	Socket, Female	
	4460905	2	Seal, Plug	
439C	4460866	1	Receptacle, Female- 19 Pin	
	4460464	A/R	Pin, Male Deutsch (16 Gauge)	
439D	4460878	1	Housing, Terminal- 4 Position	
	4460887	3	Terminal (12 Gauge)	
439E	4120035	A/R	Base, Light	
	4460634	A/R	Terminal (16 Gauge)	
439F	4460873	1	Connector, 35- Position (Black)	
	4460871	A/R	Socket, Female	
	4460635	5	Terminal (12 Gauge)	
439G	4460871	A/R	Socket, Female	
439H	4460434	2	Plug, Male 15- Position	
	4460227	A/R	Pin	
439I	3990010	2	Diode - 6 Amp (Not Shown)	

SECTION 7 ELECTRICAL

FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
439J	4460761	1	Connector, Female 4- Position (S/N 0300084829 to S/N 0300087000)	2/B
439K	4460227	4	Pin, Male (S/N 0300084829 to S/N 0300087000)	
	4460536	1	Connector, Female 3- Position (Deutz Engine Only) (S/N 0300084829 to S/N 0300087000)	
	4460943	3	Pin, Male (Deutz Engine Only) (S/N 0300084829 to S/N 0300087000)	
440	4922666	1	Cable, Analyzer	
440A	4460226	4	Socket, Female	
440B	4460761	1	Connector, Female 4- Position	
	4460227	4	Pin, Male	
441		1	Ground Control Box Wiring Diagram (Not Shown - See Items 301 to 310 for Breakdown)	
	4933295		Caterpillar Engine (S/N 0300069000 to S/N 0300084829)	
	4933329		Caterpillar Engine (S/N 0300084829 to S/N 0300087000)	3/C
	4933213		Deutz Engine (S/N 0300069000 to S/N 0300084829)	
	4933319		Deutz Engine (S/N 0300084829 to S/N 0300087000)	
	4933212		Ford Engine (S/N 0300069000 to S/N 0300084829)	
	4933331		Ford Engine (S/N 0300084829 to S/N 0300087000)	
		Ref.	ENGINE HARNESS ASSEMBLIES	
	4922921	Ref.	CATERPILLAR ENGINE (S/N 0300069000 to S/N 0300084829)	
	4923227	Ref.	CATERPILLAR ENGINE (S/N 0300084829 to S/N 0300087000)	
	4922515	Ref.	DEUTZ ENGINE (Non UL Machines) (S/N 0300069000 to S/N 0300084829)	
	4923212	Ref.	DEUTZ ENGINE (Non UL Machines) (S/N 0300084829 to S/N 0300087000)	
	4923063	Ref.	DEUTZ ENGINE (UL Machines)	1/A
	4922514	Ref.	FORD ENGINE (S/N 0300069000 to S/N 0300084829)	
	4923226	Ref.	FORD ENGINE (S/N 0300084829 to S/N 0300087000)	
501		1	Harness, Assembly Options:	2/B
	4922921		Caterpillar Engine (S/N 0300069000 to S/N 0300084829)	
	4923227		Caterpillar Engine (S/N 0300084829 to S/N 0300087000)	
	4922515		Deutz Engine (Non UL Machines) (S/N 0300069000 to S/N 0300084829)	
	4923212		Deutz Engine (Non UL Machines) (S/N 0300084829 to S/N 0300087000)	
	4923063		Deutz Engine (UL Machines)	
	4922514		Ford Engine (S/N 0300069000 to S/N 0300084829)	
	4923226		Ford Engine (S/N 0300084829 to S/N 0300087000)	
502 to 518	Not Used			
519	4460424	1	Receptacle, Female - 2 Position	
520	4460268	A/R	Socket, Female	9/I
521	4460880	A/R	DIN Connector without Diode	
522	4460891	2	Connector, Male - 2 Position (Caterpillar Engine Only)	
	4460465	7	Socket, Female	2/B
523 to 527	Not Used			
528	4460582	3	Terminal (Ford Engine Only)	

SECTION 7 ELECTRICAL

FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
529	4460580	1	Lock, Terminal (Ford Engine Only)	
530	4460579	1	Housing - 3 Position (Ford Engine Only)	
531 to 535	Not Used			
536	4460890	1	Housing - 2 Position (Deutz Engine Only)	
537	4460889	2	Terminal (Deutz Engine Only)	
538	4460460	1	Connector, Male - 4 Position	
539	4460457	A/R	Terminal, Female	
540	4460458	A/R	Seal, Terminal	
541	4460713	1	Connector, Housing 42 Position (Ford Engine Only)	
542	4460725	1	Connector Wedge Lock, Center (Ford Engine Only)	
543	4460726	2	Connector Wedge Lock, Side (Ford Engine Only)	
544	4460800	29	Connector, Plug (Ford Engine Only)	
545	4460799	7	Pin, Male (Ford Engine Only)	
546 to 547	Not Used			
548	4460728	3	Pin, Male (Ford Engine Only)	
549	Not Used			
550	2400061	A/R	Fuse (Ford Engine Only)	
551	2400060	2	Holder, Fuse (Ford Engine Only)	
552 to 553	Not Used			
554	4460742	1	Connector, Male - 2 Position (Ford Engine Only)	
555 to 556	Not Used			
557	4460871	A/R	Socket, Female	
558 to 566	Not Used			
567	2400065	1	Fuse, 30Amp (S/N 0300073731 to S/N 0300087000)	
568	3730120	1	Resistor Assembly (S/N 0300073731 to S/N 0300087000)	
568A	4460978	1	Receptacle, Male - 2 Position	
568B	4460979	2	Pin, Male	
568C	4460458	2	Seal, Terminal	
568D	3730121	1	Resistor	
569	2400061	1	Fuse (Deutz Engine - UL Machines Only)	
570	2400060	1	Holder, Fuse (Deutz Engine - UL Machines Only)	
		Ref.	Note: Items 571-575 is used on Deutz Engine Only (S/N 0300084829 to S/N 0300087000).	
571	4461070	1	Connector, Receptacle W/Resistor (3 Position)	
572	4460539	1	Connector, Male - 3 Position	
	4460944	3	Socket, Female	
573	4461095	1	Connector, Male - 3 Position	
	4460944	3	Socket, Female	
574	4461052	1	Connector, Receptacle - 25 Position	
	4461005	5	Terminal (Gold)	
	4461006	5	Seal, Terminal	
	4461060	2	Terminal (Tin)	
	4461054	2	Seal, Terminal	
575	4461053	1	Cover, Plug	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	VALVE HARNESS ASSEMBLIES	
	4922508	Ref.	S/N 0300069000 to S/N 0300084829	5/E
	4923224	Ref.	S/N 0300084829 to S/N 0300087000	4/D
601	4922508	1	Harness, Assembly (S/N 0300069000 to S/N 0300084829)	
601	4923224	1	Harness, Assembly (S/N 0300084829 to S/N 0300087000)	
602 to 616	Not Used			
617	4460880	A/R	DIN Connector	
618	4460320	A/R	Connector, Female - 2 Position	
619	4460267	A/R	Pin, Male	
620	4460424	1	Connector, Male - 2 Position	
621	4460268	5	Socket, Female	
622	4460871	A/R	Socket, Female	
623 to 624	Not Used			
625	4460326	1	Connector, Male - 3 Position	
626	4460445	1	Connector, Female - 3 Position	
		Ref.	STANDARD HARNESS COMPONENTS	
701to 702	Not Used			
703	See Note	1	Pump Harness (Note: Not Available for Purchase)	
703A	7007497	1	Plug (Pump End)	
703B	7007498	1	Plug (Engine Harness End)	
704	See Note	1	Controller Harness Assembly (Lift and Swing) (Note: Not Available for Purchase)	
704A	7022819	1	Plug, Male - 8 Position (Natural)	
704B	4460871	8	Socket, Female	
705	See Note	1	Controller Harness/Circuit Board Assembly (Drive and Steer) (Note: Not Available for Purchase)	
705A	7022825	1	Plug, Male - 8 Position (Black)	
705B	4460871	7	Socket, Female	
706		1	Ford Engine Harness Options (For replacement parts refer to Ford engine dealer (Ford EFI Engine Machines):	
	7023663		S/N 0300069000 to S/N 0300073339	
	7023681		S/N 0300073339 to S/N 0300087000	
707		A/R	Deutz Engine Harness Components (S/N 0300084829 to S/N 0300087000) (For replacement parts refer to Deutz engine dealer)	
707A	7027796	1	Deutz Engine Harness (Not Shown) (S/N 0300084829 to S/N 0300087000) (For replacement parts refer to Deutz engine dealer)	
707B	4461052	1	Connector, Receptacle - 25 Position (S/N 0300084829 to S/N 0300087000)	
	4461053	1	Cover, Plug (S/N 0300084829 to S/N 0300087000)	
	4461005	5	Terminal (Gold) (S/N 0300084829 to S/N 0300087000)	
	4461006	5	Seal, Terminal (S/N 0300084829 to S/N 0300087000)	
	4461060	2	Terminal (Tin) (S/N 0300084829 to S/N 0300087000)	
	4461054	2	Seal, Terminal (S/N 0300084829 to S/N 0300087000)	
	4461008	18	Plug, Hole (S/N 0300084829 to S/N 0300087000)	
707C	7027793	1	Connector (S/N 0300084829 to S/N 0300087000)	
707D	7027794		Deutz Engine Harness (S/N 0300084829 to S/N 0300087000)	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
708	See Note	1	Dual Fuel Shut-Off Filter Harness (Note: Not Available for Purchase)	
	7023679	1	Electrical Connector Kit (Includes [1] 2 Position Connector, 2 Pins & 2 Seals)	
709	4922968	1	Dual Fuel Shut-Off Filter Extension Harness (Not Shown)	
709A	4460742	1	Connector, Male - 2 Position	
709B	4460458	4	Seal, Terminal	
709C	4460743	2	Socket, Female	
709D	4460978	1	Receptacle, Male - 2 Position	
709E	4460979	2	Pin, Male	
		Ref.	OPTIONAL HARNESS COMPONENTS	
801	4921928	1	4WS Valve Harness	
801A	4460268	3	Socket, Female	
801B	4460445	1	Connector, Female - 3 Position	
801C	4460499	2	Connector, DIN with Diode	
802	4921927	1	Jib Valve Harness (600AJ Only)	
802A	4460326	1	Plug, Male - 3 Position	
802B	4460267	3	Pin, Male	
802C	4460499	2	Connector, DIN with Diode	
803	0257887	1	Alarm Harness (Includes Alarm)	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
	4460424	1	Plug	
	4460268	2	Socket	
803A	4460424	1	Plug, Male - 2 Position	
803B	4460268	2	Socket, Female	
804		1	Strobe Light Harness Options (Includes Strobe Light):	
	0255917		S/N 0300069000 to S/N 0300069718	
	0272507		S/N 0300069718 to S/N 0300087000	
804A	4460320	1	Connector, Female - 2 Position	
804B	4460267	2	Pin, Male	
805			AC to Platform Receptacle Components Options:	
	0255382	Ref.	110V GFI Receptacle	4
	0257176	Ref.	220V Receptacle	4
	0272433	Ref.	7500W Generator (Sky Power) Connectors	1
	0274618	Ref.	Dual AC	1
805A	0860038	1	Box, Switch	
805B		1	Receptacle Options:	
	4460346		110V GFI	
	4460125		220V	
805C		1	Shield, Cover Options:	
	4060700		110V GFI	
	4060092		220V	
805D	4460071	1	Connector, Strain Relief	
805E		2	Plug, Male Options:	
	4460205		110V GFI (Qty 4 Required for Dual AC)	
	4460233		220V	
	4460959		7500W Generator (Sky Power)	
	1671092		Cover (Optional on SkyPower)	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
805F	4460134	1	Connector, Female Options:	
	4460701		110V GFI (Qty 2 Required for Dual AC)	
	4460960		220V	
	1671093		7500W Generator (Sky Power)	
			Cover (Optional on SkyPower)	
806		A/R	Generator Electrical Components	
	4933215		110V (S/N 0300069000 to S/N 0300077490)	1/B
	4933216		220V (S/N 0300069000 to S/N 0300077490)	1/B
	4933300		110V/220V (S/N 0300077490 to S/N 0300087000)	1/A
	3990010	1	Diode - 6 Amp (Not Shown)	
806A	4922641	1	Harness - On/Off Switch	
806B	4460226	2	Socket, Female	
806C		1	Powermite Control Box to Relay Options:	
	4922482		S/N 0300069000 to S/N 0300079612	
	4922970		S/N 0300079612 to S/N 0300087000	
806D	4460027	1	Receptacle, Twist Lock (110V Only)	
806E	4460961	1	Connector, Female - 4 Position (S/N 0300077490 to S/N 0300087000)	
	4460705	4	Pin, Male	
806F	4460321	1	Connector, Male - 4 Position (S/N 0300077490 to S/N 0300087000)	
	4460906	4	Socket, Female	
807	4921829	1	Generator to Rear of Boom Harness (110V)	
	4921954	1	Generator to Rear of Boom Harness (220V)	
		Ref.	Note: Harness used to connect AC at platform harness to generator receptacle to power platform receptacle.	
	1060494	6ft/1.8m	Cable, Electrical - 12/3 (110V)	
	1060494	26ft/8m	Cable, Electrical - 12/3 (220V)	
807A	4460205	1	Plug, Male (110V)	
	4460233	1	Plug, Male (220V)	
807B	4460134	1	Receptacle, Female (110V)	
	4460701	1	Receptacle, Female (220V)	
	4460960	1	With 7500W Generator (Sky Power)	
808	See Note	1	Lights Harness Options (Note: Not Available for Purchase):	
			Headlights Harness	
	1060341	37ft/11.3m	Cable, Electrical - 16/3	
			Chassis Illumination Lights Harness	
	1060341	40ft/12.2m	Cable, Electrical - 16/3	
808A	3740049	1	Relay	
808B	4922643	1	Harness, Bag (Located at Ground Control Box) (Not Shown)	
809		A/R	Platform Worklights Components	
809A	2920140	2	Platform Worklights External Harness (Includes Light and Wire Only)	
809B	4460598	1	Connector, Strain Relief	
809C	4360232	1	Circuit Breaker, 15Amp (S/N 0300069000 to S/N 0300074445)	
809D	4922498	1	Platform Worklights Internal Harness (S/N 0300069000 to S/N 0300074445)	
809E	4460871	3	Socket, Female (S/N 0300069000 to S/N 0300074445)	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Note: Items 807F - 807K S/N 0300074445 to S/N 0300087000.	
809F	4922894	1	Platform Worklights Harness	
	1060494	47ft/14.3mm	Cable, Electrical - 12/3	
809G	4460459	1	Connector, Female - 3 Position	
	4460789	3	Terminal, Seal	
	4460790	3	Socket, Female	
809H	4460476	1	Connector, Male - 3 Position	
	4460789	3	Terminal, Seal	
	4460850	3	Pin, Male	
809I	4922892	1	Worklights Harness to Aux. Power Solenoid	
	1060494	33ft/10.1mm	Cable, Electrical - 12/3	
809J	2400070	1	Fuse	
809K	2400066	1	Holder, Fuse	
810	See Note	1	Soft-Touch System Harness (Note: Not Available for Purchase)	
810A	1060341	23ft/7m	Cable, Electrical - 16/3	
810B	4460425	1	Connector, Strain Relief	
811	Not Used			
812	4933308	1	Floodlights Harness Components	
812A	1060494	33ft/10.1m	Electrical Cable 12/3 (Lower to Aux Relay)	
812B	1060494	47ft/14.3m	Electrical Cable 12/3 (Upper to Console Box)	
812C	4460320	2	Plug, Male - 2 Position	
	4460227	4	Pin, Male	
812D	4922764	1	Floodlight Harness (Lights to Switch)	
812E	4460424	2	Connector, Female - 2 Position	
	4460226	4	Socket, Female	
812F	1060977	1	Cord, 2 Wire Coiled (Console Box Circuit Breaker to Switch)	
812G	4360232	1	Circuit Breaker - 15 Amp	
812H	4460425	1	Strain, Relief	
		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)	
906	1001137005	1	Software Cable Kit (Not Shown)	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION - ANSI SPEC (S/N 0300069000 TO S/N 0300086150)

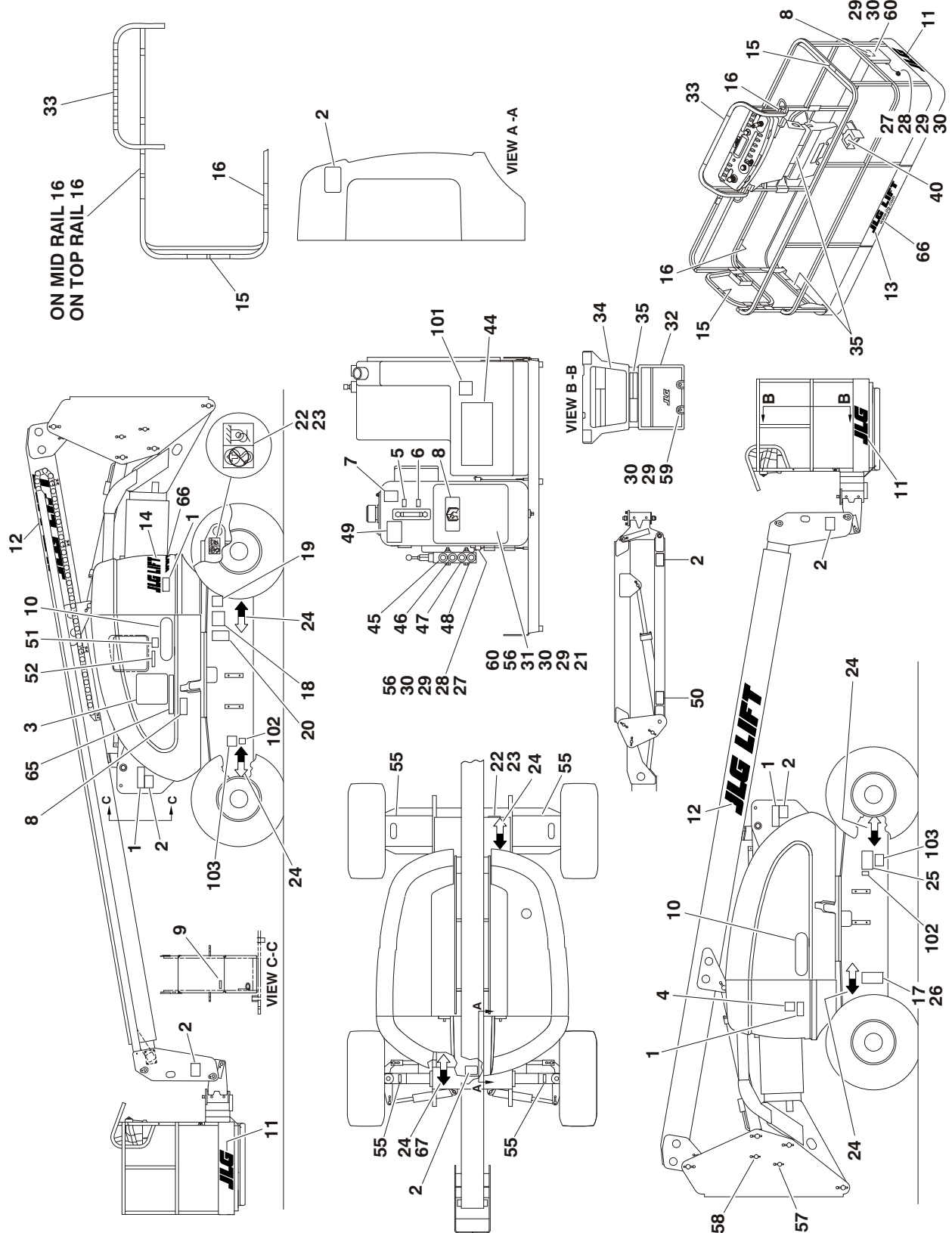


FIGURE 8-1. DECAL INSTALLATION - ANSI SPEC (S/N 0300069000 TO S/N 0300086150)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0271010	Ref.	DECALS INSTALLATION - JLG Logo	3
	0255452	Ref.	DECALS INSTALLATION - 600A	18
	0255456	Ref.	DECAL INSTALLATION - 600AJ	17
1	1703805*+	4	Decal - Electrocution	
2	1703804*+	6	Decal - Crushing	
3	1703798*+	1	Decal - Ground Control Warning	
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*+	A/R	Decal - Manual	
9	3251243*+	1	Nameplate - 120V-60HZ	
10		2	Decal Options:	
	1702818*		Decal - 600A	
	1702819+		Decal - 600AJ	
11	1702773*+	A/R	Decal - JLG (5in Height)	
12	1702861*+	A/R	Decal - JLG Lift (8in Height) Options:	
		1	S/N 0300069000 to S/N 0300070123	
		2	S/N 0300070123 to S/N 0300086150	
13	1702774*+	1	Decal - JLG Lift (3-1/2in Height)	
14	1702860*+	A/R	Decal - JLG Lift (5in Height) Options:	
		2	S/N 0300069000 to S/N 0300070123	
		1	S/N 0300070123 to S/N 0300086150	
15	1702868*+	2	Decal - No Hands	
16	1704277*+	4	Decal - Attach Lanyard Here	
17	See Note	1	Nameplate, Serial Number (Note: Not Available for Purchase)	
18	1702153*+	1	Decal - Inspection	
19	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1700584*+	1	Decal - Patent	
21	4567080	4	Tube, Spacer	
22	1702300*+	4	Decal - Tie Down/Lift	
23	1701500*+	4	Decal - Tie Down/Lift	
24	1701529*+	A/R	Decal - Arrow	
25	Not Used			
26	3820001	4	Rivet	
27	0641408	1	Bolt 1/4in-20NC x 1in	
28	1060279	1	Cable, Lanyard	
29	3311401	A/R	Nut 1/4in	
30	4751400	A/R	Flatwasher 1/4in Regular	
31	0860520	1	Box, Manual Storage	
32	3380434	1	Panel, Pedestal (S/N 0300069000 to S/N 0300076286)	
33	1702784*+	1	Decal - Legend	
34	1703797	1	Decal - Warning/Danger	
35		2	Decal Options:	
	1704096*		600A - Decal - Warning	
	1701645+		600AJ - Decal - Maximum Capacity	
36 to 43	Not Used			
44	1702926*+	1	Decal - Instructions (S/N 0300069000 to S/N 0300070977)	

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FIGURE 8-1. DECAL INSTALLATION - ANSI SPEC (S/N 0300069000 TO S/N 0300086150)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	1702903*+	1	Decal - #1 (S/N 0300069000 to S/N 0300070977)	
46	1702927*+	1	Decal - #2 (S/N 0300069000 to S/N 0300070977)	
47	1702924*+	1	Decal - #3 (S/N 0300069000 to S/N 0300070977)	
48	1702925*+	1	Decal - #4 (S/N 0300069000 to S/N 0300070977)	
49		1	Decal Options:	
	1702265*+		600A (S/N 0300069000 to S/N 0300070977)	
	1702265*+		600AJ	
50		A/R	Decal Options:	
	Not Required	0	600A	
	1702908	2	600AJ (S/N 0300069000 to S/N 0300070977)	
51	1702901*+	1	Decal (S/N 0300069000 to S/N 0300070977)	
52		1	Decal Capacity Options:	
	1704104*		600A - Decal - 500LBS Unrestricted Capacity	
	1702688+		600AJ - Decal - 500LBS Maximum Capacity	
53 to 54	Not Used			
55	1703469	4	Decal - Tire Load (S/N 0300069776 to S/N 0300086150)	
56	0100011	A/R	Compound, Locking	
57	Not Required			
58		2	Plug Options:	
	Not Required		600A	
	3250033		600AJ - Plug, Hole 1in	
59	0641414	2	Bolt 1/4in-20NC x 1-3/4in (S/N 0300069000 to S/N 0300076286)	
60	0641406	4	Bolt 1/4in-20NC x 3/4in	
61 to 64	Not Used			
65	1703808	1	Decal - Legend MTB	
66	1704885	2	Decal - Website	
67	1703687	1	Decal - Arrow (S/N 0300081836 to S/N 0300086150)	

	2910023	1	Decal Kit - 600A (Includes Items with * symbol)	
	2900968	1	Decal Kit - 600AJ (Includes Items with + symbol)	
		Ref.	DECAL INSTALLATION (OPTIONAL PARTS)	
101		1	Decal - Fuel	
	1701505		Diesel	
	1701542		Gas	
102	1701543	1	Decal - LP Gas	
103		1	Decal - Warning Prop 65	
	1702962		Diesel	
	1702961		Gas	

FIGURE 8-1. DECAL INSTALLATION - ANSI SPEC (S/N 0300069000 TO S/N 0300086150)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 8-2. DECAL INSTALLATION - ANSI SPEC (S/N 0300086150 TO S/N 0300087000)

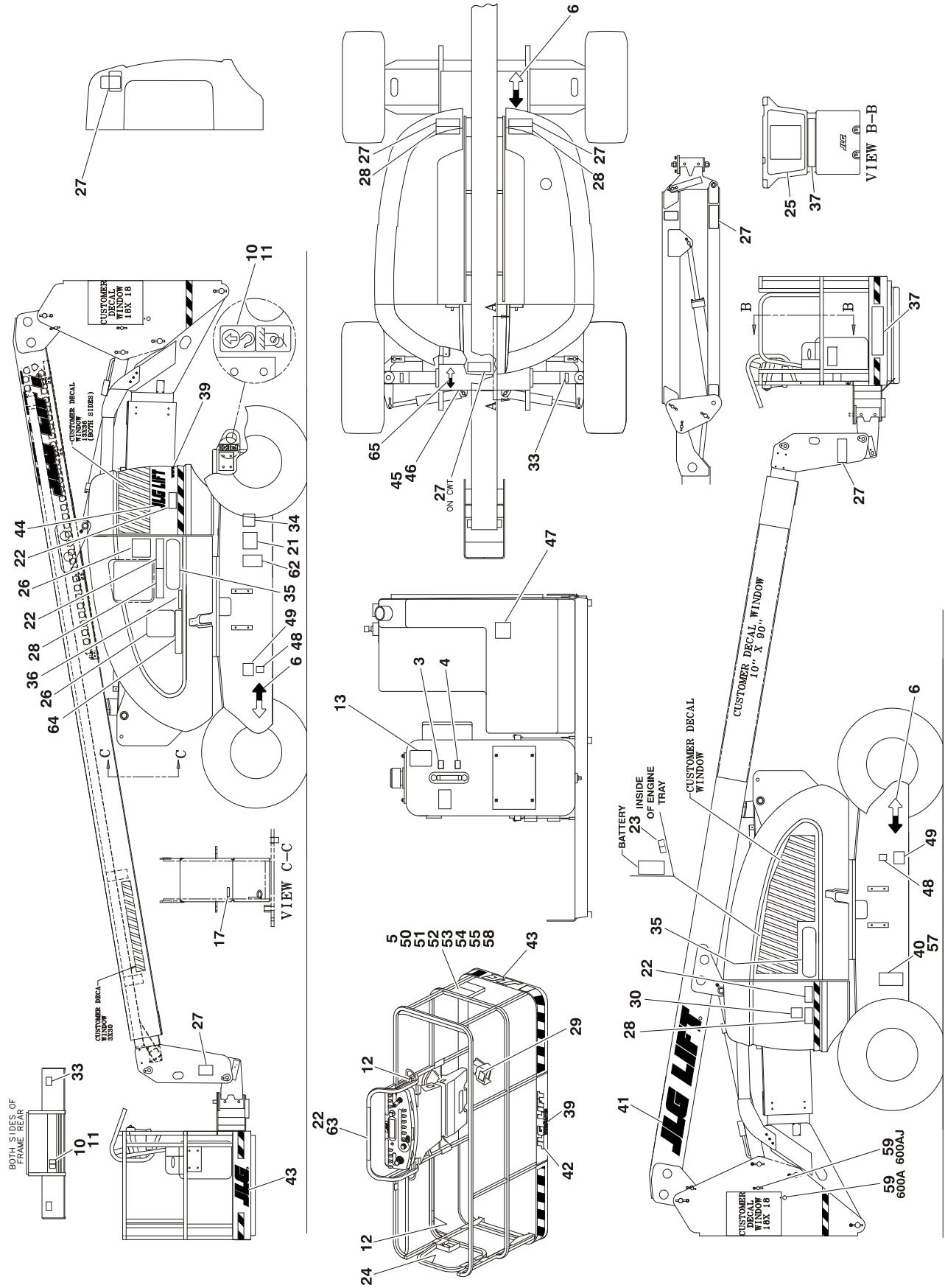


FIGURE 8-2. DECAL INSTALLATION - ANSI SPEC (S/N 0300086150 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DECALS INSTALLATIONS	
	0274094	Ref.	Decals Installation - JLG Logo	1
	0273891	Ref.	Decals Installation - 600A	1
	0273892	Ref.	Decal Installation - 600AJ	1
1 to 2	Not Used			
3	1701502	1	Decal - High Oil Level	
4	1701503	1	Decal - Low Oil Level	
5	1701509	1	Decal - Manual	
6	1701529	6	Decal - Arrow	
7 to 9	Not Used			
10	1703811	4	Decal - Tie Down/Lift	
11	1703814	6	Decal - Tie Down	
12	1704277	4	Decal - Attach Lanyard Here	
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	7	Decal - Warning Crushing	
23	1704972	1	Decal - Warning Explosion/Fire	
24	1702868	2	Decal - No Hands	
25	1703797	1	Decal - Warning/Danger	
26	1705336	1	Decal - Warning Inspection (MTB)	
27	1703804	6	Decal - Warning Crushing	
28	1703805	5	Decal - Danger Electrocution	
29	3252347	1	Nameplate - Footswitch	
30	3251813	1	Decal - USA	
31 to 32	Not Used			
33	2902350	1	Kit, Decal Max Tire Load (Includes Qty 4 of p/n 1703469)	1
	1703469	4	Decal - Max Tire Load	
34	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
35		2	Decal Options:	
	1702818		Decal - 600A	
	1702819		Decal - 600AJ	
36		1	Decal Capacity Options:	
	1704104		600A - Decal - 500LBS Unrestricted Capacity	
	1702688		600AJ - Decal - 500LBS Maximum Capacity	
37		2	Decal Capacity Options:	
	1704096		600A - Decal - 500LBS Unrestricted Capacity	
	1701645		600AJ - Decal - 500LBS Maximum Capacity	
38	Not Used			
39	1704885	2	Decal - Website	
40	See Note	1	Nameplate, Manufacturers (Note: Not Available for Purchase)	
41	1702861	2	Decal - JLG Lift (8in Height)	
42	1702774	1	Decal - JLG Lift (3-1/2in Height)	
43	1702773	2	Decal - JLG (5in Height)	
44	1702860	1	Decal - JLG Lift (5in Height)	
45	3250872	1	Nameplate - Steer/Tow Selector	

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FIGURE 8-2. DECAL INSTALLATION - ANSI SPEC (S/N 0300086150 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
46	1705090	1	Decal - Towing Instructions	
47		1	Decal - Fuel	
	1701505		Diesel	
	1701542		Gas	
48	1701543	1	Decal - LP Gas (Ford Engine Machines Only)	
49	1700818	2	Decal - LP Gas (Liquid) (Ford Engine Machines Only)	
50	0100011	A/R	Compound, Locking	
51	0641406	4	Bolt 1/4in-20NC x 3/4in	
52	0641408	1	Bolt 1/4in-20NC x 1in	
53	0860520	1	Box, Manual Storage	
54	1060279	1	Cable, Lanyard	
55	3311405	5	Locknut 1/4in	
56	Not Used			
57	3820001	4	Rivet	
58	4751400	10	Flatwasher 1/4in Regular	
59	3250033	2	Plug	
60 to 61	Not Used			
62	1700584	1	Decal - Patent	
63	1702784	1	Decal - Legend	
64	1703808	1	Decal - Legend (MTB)	
65	1703687	1	Decal - Direction Arrow (6-3/4in)	

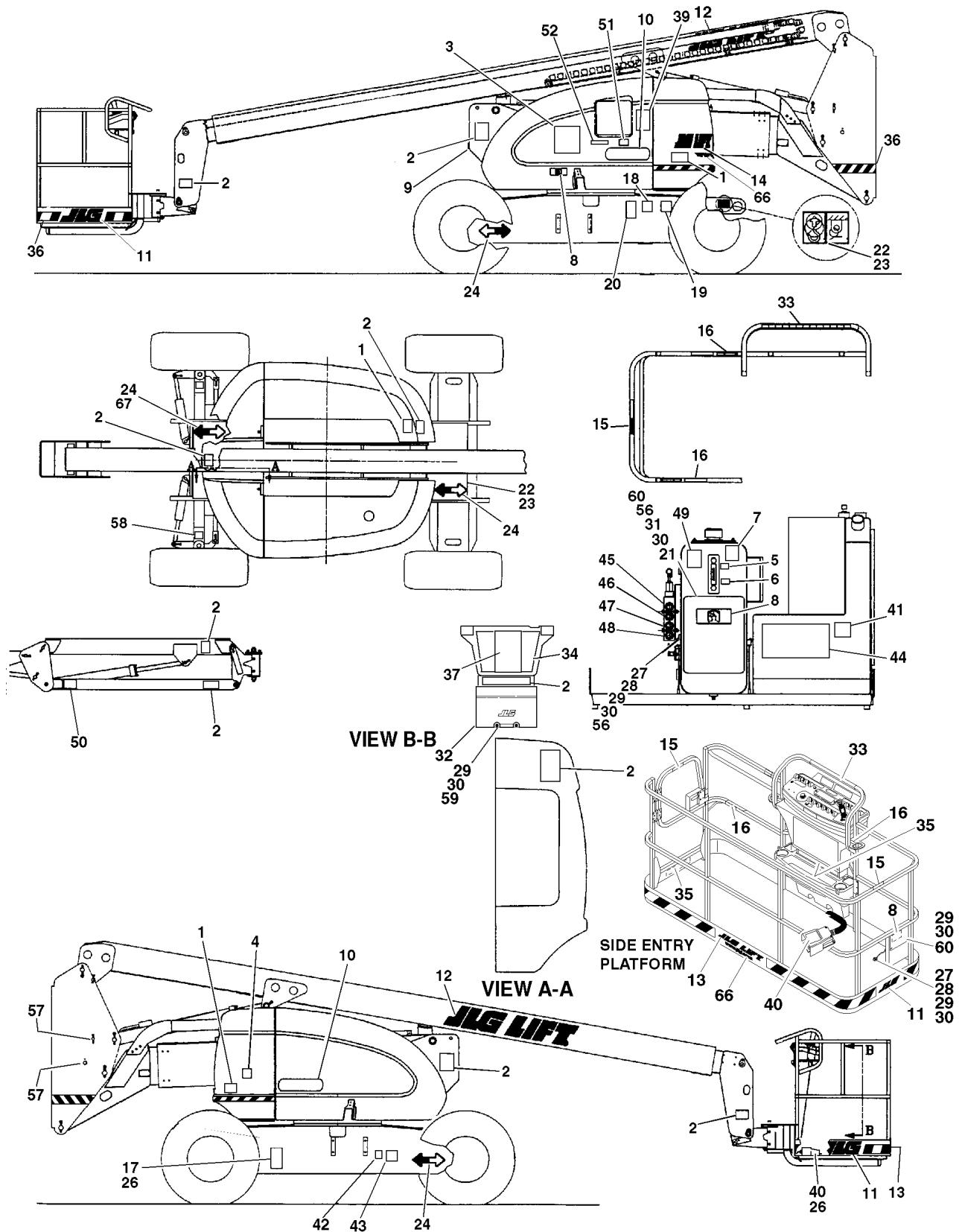
	2902303	1	Master Decal Kit (Includes Items 5-17)	1
	2902307	1	ANSI Decal Kit (Includes Items 22-31)	1

FIGURE 8-2. DECAL INSTALLATION - ANSI SPEC (S/N 0300086150 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300069000 TO S/N 0300086150)



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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300069000 TO S/N 0300086150)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DECAL INSTALLATIONS	
	0271010	Ref.	DECALS INSTALLATION - JLG LOGO	2
	0257495	Ref.	600A Brazil Spec (Spanish/Portuguese Languages)	5
	0259331	Ref.	600A Canadian Spec (English/French Languages)	13
	0256284	Ref.	600A Japanese Spec	4
	0256670	Ref.	600A Latin American Spec (English/Spanish Languages)	12
	0255453	Ref.	600A Common Decals (Use with Brazil & Japanese Specs)	14
	0257496	Ref.	600AJ Brazilian Spec (Spanish/Portuguese Languages)	5
	0259332	Ref.	600AJ Canadian Spec (English/French Languages)	12
	0256291	Ref.	600AJ Japanese Spec	4
	0256671	Ref.	600AJ Latin American Spec (English/Spanish Languages)	12
	0255457	Ref.	600AJ Common Decals (Use with Brazil & Japanese Specs)	14
1	Not Required	4	Decal - Danger Electrocution Options: Brazil & Japanese Specs Canadian Spec Latin American Spec	
2	1701518* 1703948 1702583	6	Decal - Crushing Options: Brazil & Japanese Specs Canadian Spec Latin American Spec	
3	Not Required 1703930 1702971	1	Decal - Danger/Warning Options: Brazil & Japanese Specs Canadian Spec Latin American Spec	
4	Not Required 3251813 3251813	A/R 1 1	Decal - USA Options: Brazil & Japanese Specs Canadian Spec Latin American Spec	
5	1701502*	1	Decal - High Oil Level	
6	1701503*	1	Decal - Low Oil Level	
7	1701504*	1	Decal - Hydraulic Oil	
8	1701509*	A/R	Decal - Manual	
9	Not Required 3251243 1703453	1	Nameplate - Voltage Options: Brazil & Japanese Specs Canadian Spec (120V-60HZ) Latin American Spec	
10	1702818* 1702819*	2	Decal - Model Designation Options: 600A 600AJ	
11	1702773*	2	Decal - JLG (5in Height)	
12	1702861*+	A/R 1 2	Decal - JLG Lift (8in Height) Options: S/N 0300069000 to S/N 0300070123 S/N 0300070123 to S/N 0300086150	
13	1702774*	1	Decal - JLG (3-1/2in Height)	
14	1702860*+	A/R 2 1	Decal - JLG Lift (5in Height) Options: S/N 0300069000 to S/N 0300070123 S/N 0300070123 to S/N 86150	

SECTION 8 DECALS

FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300069000 TO S/N 0300086150) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
15	1703899*+ 1704000 Not Required 1702975	2	Decal - No Hands Options: Brazil Spec Canadian Spec Japanese Spec Latin American Spec	
16	1704277 1704277 Not Required 1704277	A/R	Decal - Attach Lanyard Here Options: Brazil Spec Canadian Spec Japanese Spec Latin American Spec	
17	See Note	1	Nameplate - Serial Number (Note: Not Available for Purchase)	
18	Not Required 1704006 Not Required 1702552	1	Decal - Inspection Options: Brazil Spec Canadian Spec Japanese Spec Latin American Spec	
19	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
20	1700584* 1700584* 1702573	1	Decal - Patent Options: Brazil & Japanese Specs Canadian Spec Latin American Spec	
21	4567080	4	Tube, Spacer	
22	1702300*	4	Decal - Tie Down/Lift	
23	1701500*	4	Decal - Tie Down/Lift	
24	1701529*	A/R	Decal - Arrow	
25	Not Used			
26	3820001	4	Rivet	
27	0641408	1	Bolt 1/4in-20NC x 1in	
28	1060279	1	Cable, Lanyard	
29	3311405	A/R	Locknut 1/4in-20NC	
30	4751400	A/R	Flatwasher 1/4in Regular	
31	0860520	1	Box, Manual Storage	
32	3380434	1	Panel, Pedestal (S/N 0300069000 to S/N 0300076286)	
33	Not Required 1702784 1702972	1	Decal - Legend Options: Brazil & Japanese Specs Canadian Spec Latin American Spec	
34	Not Required 1703924 1702973	1	Decal - Warning/Danger Options: Brazil & Japanese Specs Canadian Spec Latin American Spec	

SECTION 8 DECALS

FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300069000 TO S/N 0300086150) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
35	Not Required Not Required 1704099 1703996 Not Required Not Required 1704100 1702974	2	Decal - Warning Options: 600A Brazil Spec 600AJ Brazil Spec 600A Canadian Spec 600AJ Canadian Spec 600A Japanese Spec 600AJ Japanese Spec 600A Latin American Spec 600AJ Latin American Spec	
36	4420051	21ft/6.4m	Decal - Corner Warning Stripe	
37	1703536*+ Not Required 1701924 Not Required	1	Decal - Capacity Options: Brazil Spec Canadian Spec Japanese Spec Latin American Spec	
38	1703538*+ Not Required 1703188 Not Required	1	Decal - Caution Options: Brazil Spec Canadian Spec Japanese Spec Latin American Spec	
39	1703548*+ Not Required 1701923 Not Required	1	Decal - Caution Options: Brazil Spec Canadian Spec Japanese Spec Latin American Spec	
40	3252540*+ 1703984 3252220 3252489	1	Decal - Footswitch Options: Brazil Spec Canadian Spec Japanese Spec Latin American Spec	
41	1701505 1701542	1	Decal - Fuel Options: Diesel Machines Gas Machines	
42	Not Required 1701543	A/R 0 1	Decal - LPG Gas Non-Dual Fuel Machines Dual Fuel Machines	
43	Not Required 1700818 1704271 1702720	A/R 0 1 1 1	Decal - LP Gas Liquid Withdrawal System Non-Dual Fuel Machines Dual Fuel Machines (English Language) Dual Fuel Machines (Canadian Spec) Dual Fuel Machines (Spanish Language)	
44	1703549*+ 1704268 1703007 1702979	1	Decal - Instructions Options: Brazil Spec (S/N 0300069000 to S/N 0300070977) Canadian Spec (S/N 0300069000 to S/N 0300070977) Japanese Spec (S/N 0300069000 to S/N 0300070977) Latin American Spec (S/N 0300069000 to S/N 0300070977)	
45	1702903*	1	Decal - #1 (S/N 0300069000 to S/N 0300070977)	
46	1702927*	1	Decal - #2 (S/N 0300069000 to S/N 0300070977)	

SECTION 8 DECALS

FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300069000 TO S/N 0300086150) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
47	1702924*	1	Decal - #3 (S/N 0300069000 to S/N 0300070977)	
48	1702925*	1	Decal - #4 (S/N 0300069000 to S/N 0300070977)	
49		1	Decal Options:	
	1703544*+		Brazil Spec	
	1703990		Canadian Spec	
	1702271		Japanese Spec	
	1702617		Latin American Spec	
50		A/R	Decal Options:	
	Not Required	0	600A	
	1703541+	2	600AJ (S/N 0300069000 to S/N 0300070977)	
51		1	Decal Options:	
	1703543*+		Brazil Spec (S/N 0300069000 to S/N 0300070977)	
	1704116		Canadian Spec (S/N 0300069000 to S/N 0300070977)	
	1703004		Japanese Spec (S/N 0300069000 to S/N 0300070977)	
	1702976		Latin American Spec (S/N 0300069000 to S/N 0300070977)	
52		1	Decal - Capacity Options:	
	Not Required		600A Brazil Spec	
	Not Required		600AJ Brazil Spec	
	1704107		600A Canadian Spec	
	1704112		600AJ Canadian Spec	
	Not Required		600A Japanese Spec	
	Not Required		600AJ Japanese Spec	
	1704108		600A Latin American Spec	
	1702689		600AJ Latin American Spec	
53 to 55	Not Used			
56	0100011	A/R	Compound, Locking	
57		2	Plug Options:	
	Not Required		600A	
	3520033		600AJ	
58		A/R	Decal - Wheel Load Options:	
	1703469	4	Canadian (S/N 0300069776 to S/N 0300086150)	
	Not Required	0	Latin American Specs	
	1703469*	4	Brazil & Japanese Specs	
59	0641414	2	Bolt 1/4in-20NC x 1-3/4in (S/N 0300069000 to S/N 0300076286)	
60	0641406	4	Bolt 1/4in-20NC x 3/4in	
61 to 64	Not Used			
65		1	Decal - Legend Options:	
	Not Required		Brazil Spec	
	1703808		Canadian Spec	
	Not Required		Japanese Spec	
	Not Required		Latin American Spec	
66	1704885	2	Decal - Website	
67	1703687	1	Decal - Arrow (S/N 0300081836 to S/N 0300086150)	

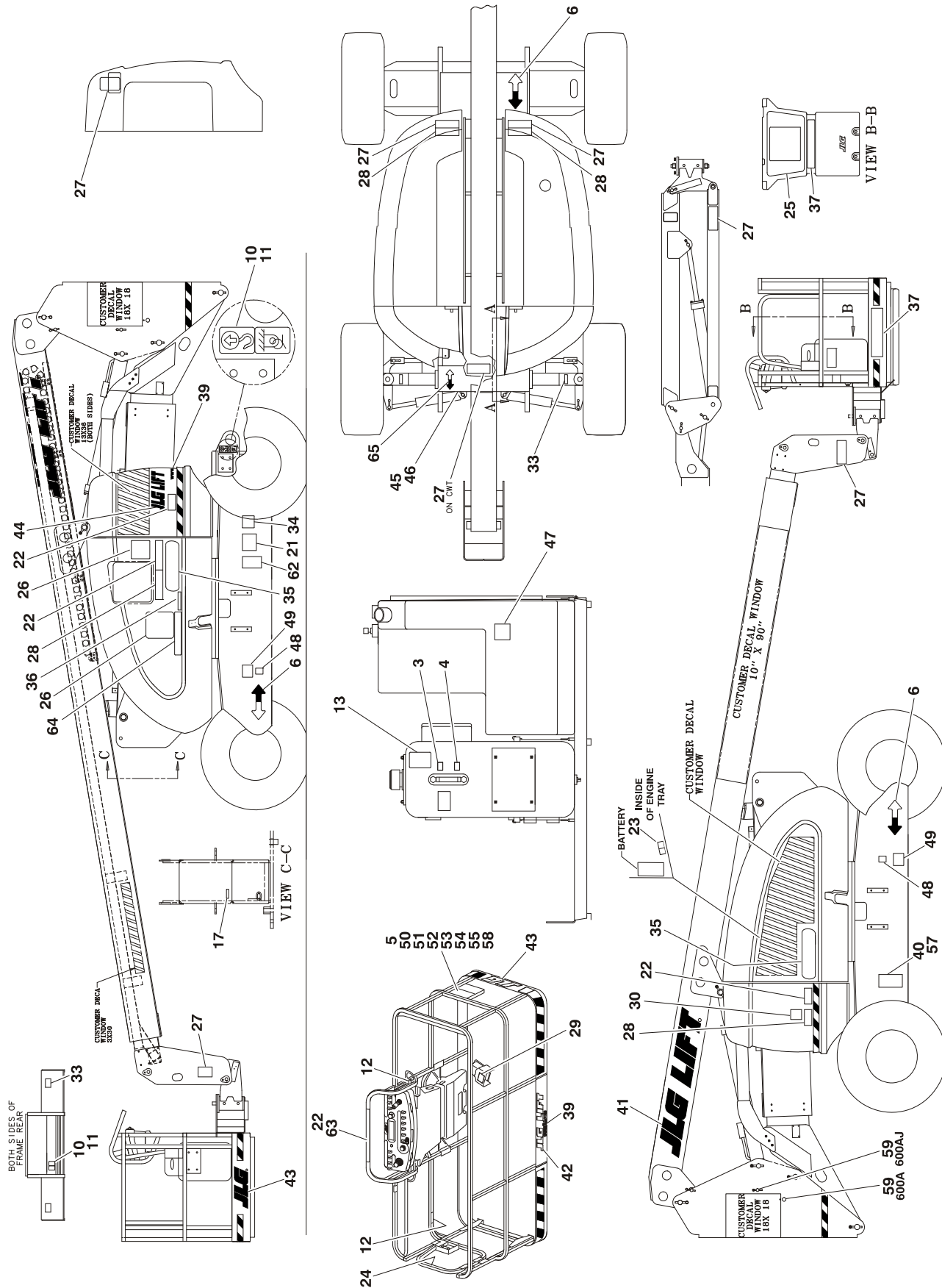
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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300069000 TO S/N 0300086150) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2900936	1	Decal Kits Options (Includes Items with *asterisk):	
	2910046		600A Brazil Spec	
	See Note		600AJ Brazil Spec	
	See Note		Canadian Spec (Note: Not Available for Purchase)	
	See Note		Japanese Spec (Note: Not Available for Purchase)	
	See Note		Latin American Spec (Note: Not Available for Purchase)	

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300086150 TO S/N 0300087000)



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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300086150 TO S/N 0300087000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	DECAL INSTALLATIONS	
	0274094	Ref.	DECALS INSTALLATION - JLG LOGO	1
	0273901	Ref.	600A Brazil Spec (Portuguese Languages)	1
	0273893	Ref.	600A Canadian Spec (English/French Languages)	1
	0273903	Ref.	600A Japanese Spec	1
	0273899	Ref.	600A Latin American Spec (English/Spanish Languages)	1
	0273891	Ref.	600A Common Decals (ANSI Export)	1
	0273902	Ref.	600AJ Brazilian Spec (Portuguese Languages)	1
	0273894	Ref.	600AJ Canadian Spec (English/French Languages)	1
	0273904	Ref.	600AJ Japanese Spec	1
	0273900	Ref.	600AJ Latin American Spec (English/Spanish Languages)	1
	0273892	Ref.	600AJ Common Decals (ANSI Export)	1
1 to 2	Not Used			
3	1701502	1	Decal - High Oil Level	
4	1701503	1	Decal - Low Oil Level	
5	1701509	1	Decal - Manual	
6	1701529	6	Decal - Arrow	
7 to 9	Not Used			
10	1703811	4	Decal - Tie Down/Lift	
11	1703814	6	Decal - Tie Down	
12	1704277	4	Decal - Attach Lanyard Here	
13	1704412	1	Decal - Hydraulic Oil Chart	
14 to 16	Not Used			
17		A/R	Nameplate - Voltage Options:	
	Not Required	0	Brazil Specs	
	3251813	1	Canadian Spec	
	3251243	1	Japanese Specs	
	3251243		Latin American Spec	
18 to 20	Not Used			
21		A/R	Decal - Inspection Options:	
	1705901	1	Brazil Specs	
	1704006	1	Canadian Spec	
	Not Required	0	Japanese Spec	
	1704007	1	Latin American Spec	
22		A/R	Decal - Warning Crushing Options:	
	1705903	7	Brazil Specs	
	1703942	7	Canadian Spec	
	1703944	3	Japanese Spec	
	1703941	7	Latin American Spec	
23		A/R	Decal - Warning Explosion/Fire Options:	
	1706059	1	Brazil Specs	
	1706064	1	Canadian Spec	
	1706062	1	Japanese Spec	
	1706063	1	Latin American Spec	

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300086150 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
24		A/R	Decal - No Hands Options:	
	1705967	2	Brazil Specs	
	1704000	2	Canadian Spec	
	Not Required	0	Japanese Spec	
	1704001	2	Latin American Spec	
25		A/R	Decal - Warning/Danger Options:	
	1705895	1	Brazil Specs	
	1703924	1	Canadian Spec	
	1703926	1	Japanese Spec	
	1703923	1	Latin American Spec	
26		A/R	Decal - Warning Inspection (MTB)	
	1705896	1	Brazil Specs	
	1705347	1	Canadian Spec	
	1705344	1	Japanese Spec	
	1705917	1	Latin American Spec	
27		A/R	Decal - Warning Crushing Options:	
	1705898	5	Brazil Specs	
	1703948	6	Canadian Spec	
	1703950	3	Japanese Spec	
	1703947	3	Latin American Spec	
28		A/R	Decal - Danger Electrocution Options:	
	1705897	5	Brazil Specs	
	1703936	5	Canadian Spec	
	1703938	4	Japanese Spec	
	1703935	3	Latin American Spec	
29		A/R	Decal - Foot Switch Options:	
	1705902	1	Brazil Specs	
	1703984	1	Canadian Spec	
	1703980	1	Japanese Spec	
	1703983	1	Latin American Spec	
30	3251813	1	Decal - USA	
31 to 32	Not Used			
33	2902350	1	Kit, Decal Max Tire Load (Includes Qty 4 of p/n 1703469)	1
	1703469	4	Decal - Max Tire Load	
34	See Note	1	Decal - Bar Code (Note: Not Available for Purchase)	
35		2	Decal Options:	
	1702818		Decal - 600A	
	1702819		Decal - 600AJ	
36		1	Decal Capacity Options:	
			600A - Decal - 500LBS Unrestricted Capacity	
	1706381		Brazil Specs	
	1704107		Canadian Spec	
	1704110	1	Japanese Spec	
	1704106	1	Latin American Spec	
	1704112		600AJ - Decal - 500LBS Maximum Capacity	

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300086150 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
37		2	Decal Capacity Options: 600A - Decal - 500LBS Unrestricted Capacity	
	1706380		Brazil Specs	
	1704099		Canadian Spec	
	1704102	1	Japanese Spec	
	1704098	1	Latin American Spec	
	1703996		600AJ - Decal - 500LBS Maximum Capacity	
38	Not Used			
39	1704885	2	Decal - Website	
40	See Note	1	Nameplate, Manufacturers (Note: Not Available for Purchase)	
41	1702861	2	Decal - JLG Lift (8in Height)	
42	1702774	1	Decal - JLG Lift (3 1/2in Height)	
43	1702773	2	Decal - JLG (5in Height)	
44	1702860	1	Decal - JLG Lift (5in Height)	
45	3250872	1	Nameplate - Steer/Tow Selector	
46	1705090	1	Decal - Towing Instructions	
47		1	Decal - Fuel	
	1701505		Diesel	
	1701542		Gas	
48	1701543	1	Decal - LP Gas	
49		2	Decal - LP Gas (Liquid) Options:	
	Not Required	2	Brazil Specs	
	1704271	2	Canadian Spec	
	Not Required	2	Japanese Specs	
	1702720	1	Latin American Spec	
50	0100011	A/R	Compound, Locking	
51	0641406	4	Bolt 1/4in-20NC x 3/4in	
52	0641408	1	Bolt 1/4in-20NC x 1in	
53	0860520	1	Box, Manual Storage	
54	1060279	1	Cable, Lanyard	
55	3311405	5	Locknut 1/4in-20NC	
56	Not Used			
57	3820001	4	Rivet	
58	4751400	10	Flatwasher 1/4in Regular	
59	3250033	2	Plug	
60 to 61	Not Used			
62		1	Decal - Patent	
	1700584		Brazil Specs	
	1700584		Canadian Spec	
	1700584		Japanese Specs	
	1702573	1	Latin American Spec	
63		1	Decal - Legend Options:	
	Not Required		Brazil Specs	
	1702784		Canadian Spec	
	Not Required		Japanese Specs	
	1702972	1	Latin American Spec	
64	1703808	1	Decal - Legend (MTB)	
65	1703687	1	Decal - Direction Arrow (6-3/4in)	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPECS) (S/N 0300086150 TO S/N 0300087000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2902303	1	----- Kit, Decal Master (Includes Items 5-17)	1
		1	Kit, Decal Multi Color (Includes Items 19-31) Options:	
	2902312		Brazil Specs	1
	2902322		Canadian Spec	1
	2902308		Japanese Spec	1
	2902311		Latin American Spec	1

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 600A/600AJ

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		Ref.
7012944	Coil (Figure 2-1 & 2-2)	1
7012943	Coil (Figure 2-1)	1
2120150	Element Filter (Figure 2-1)	12
7016312	Switch, Indicator (Figure 2-1)	1
2120149	Element, Filter (Figure 2-1)	12
7016313	Switch, Indicator (Figure 2-1)	1
7012772	Coil (Figures 2-2 & 2-3)	1
7012768	Coil (Figure 2-2)	1
7012664	Element, Air Cleaner (Figures 2-7, 2-9 & 2-12)	12
3740067	Relay (Figures 2-7, 2-9 & 2-12)	1
4360392	Switch, Indicator (Figures 2-7, 2-9 & 2-12)	1
7014810	Breather (Figure 2-16)	1
4360475	Switch, Mushroom (Figures 2-19 & 4-4)	1
4360469	Switch, Key (Figure 2-19)	1
2860030	Key, Replacement (Figure 2-19)	1
4360328	Switch, Toggle (Figures 2-19 & 4-4)	1
4360476	Contact, Switch Block (Figures 2-19 & 4-4)	1
3740049	Relay (Figures 2-19 & 7-1)	1
4360294	Breaker, Circuit (Figure 2-25)	1
7016502	Power Track 1ft. Repair Section (Figure 3-3)	2
7006140	Power Track 1ft. Repair Section (Figure 3-4)	2
7006152	Power Track Pin Kit (Figures 3-3 & 3-4)	24
2940074	Latch (Figures 4-1 & 4-2)	1
4360331	Switch, Toggle (Figures 4-2 & 4-4)	1
7022818	Potentiometer (Figure 4-5)	1
7022824	Electric Assembly (Figure 4-6)	1
7019166	Switch, Micro (Figure 4-6)	1
2400061	Fuse, 10Amp (Figure 7-3)	2
2400065	Fuse, 30Amp (Figure 7-3)	2
3990010	Diode (Figure 7-3)	2
VARIABLE PARTS		Ref.
7026830	Filter, Fuel (Machines with Caterpillar Engine) (Figure 2-7)	12
7026811	Filter, Oil (Machines with Caterpillar Engine) (Figure 2-7)	12
8320270	Filter, Fuel (Machines with Deutz Engine) (Figure 2-9)	12
7016331	Filter, Oil (Machines with Deutz Engine) (Figure 2-9)	12
7027795	Deutz EMR2 Controller, Module (Figure 2-9)	1
7021868	Filter, Oil (Machines with Ford Engine) (Figure 2-12)	12
91083218	Filter, Fuel (Machines with Ford Engine) (Figure 2-12)	12
1600364	Module, Ground Control (Figure 2-19)	1
3740080	Relay, Bosch (Machine with Generator) (Figures 2-23, 2-24, 2-26, 2-27 & 2-28)	1

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 600A/600AJ

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
4360387	Switch, Push Button (Machines with Soft-Touch Platform) (Figures 4-4 & 4-7)	1
4360578	Switch, Limit (Figure 3-7)	1
1600375	Controller, Module (Figure 4-4)	1
4360057	Switch, Limit (Figure 4-7)	1

SECTION 10 SPECIAL OPTIONS

Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	MISCELLANEOUS SPECIAL OPTIONS	
		Ref.	Airline to Platform Installation Options:	
	0256342	Ref.	1/2in - 600A	
	0271475	Ref.	1/2in Airline and (1) Welding Cable - 600A	
	0258966	Ref.	1/2in - 600AJ	
	0255368	Ref.	Alarm Installation (Tilt)	
	0255400	Ref.	Alternator Installation - Enclosed	
	0256276	Ref.	Boom Wiper Installation - 600A	
	0256366	Ref.	Boom Wiper Installation - 600AJ	
	0256789	Ref.	Camera Mount Assembly	
		Ref.	ClearSky (Telematics) Kits	
	1001104982	Ref.	ANSI Spec	
	1001104983	Ref.	ANSI Export/Japanese Spec	
	1001104984	Ref.	CSA Spec	
		Ref.	Note: Refer to ClearSky (Telematics) Manual p/n 3128499 for Serviceable Parts.	
	0273575	Ref.	Cold Weather Package - Caterpillar Engine	
	0256060	Ref.	Cold Weather Package - Deutz	
	0258927	Ref.	Cold Weather Package with Glow Plugs - Deutz	
	0271912	Ref.	Cold Weather Package with Glow Plugs - Deutz	
	0257157	Ref.	Cold Weather Package with Ether Start - Deutz	
	0255386	Ref.	Cold Weather Package - Ford	
		Ref.	Container - Tray Storage Options:	
	1580012	1	Center	
	1580013	1	Rail	
		Ref.	Decal Installations Options:	
	1702788	1	Decal - Biodegradable Hydraulic Fluid	
	1704174	1	Decal - Syn Biodegradable Hydraulic Fluid	
	1702868	Ref.	Decal - No Hands (Platform With Mesh to Top Rail)	
	1704000	Ref.	Decal - No Hands - CSA (Platform With Mesh to Top Rail)	
	0253550	Ref.	Decal Installation - CSA	
	3252221	1	Nameplate - CSA	
	0256957	Ref.	Decal Installation - Lanyard Attach (GM K-1 Spec)	
	0256487	Ref.	Decal Installation - Prop 65 Warning (Diesel Machines) (California Spec)	
	0256488	Ref.	Decal Installation - Prop 65 Warning (Gasoline Machines) (California Spec)	
	0257195	Ref.	Government Warranty Decal Installation	

SECTION 10 SPECIAL OPTIONS

Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
	Continued	Ref.	Decal Installations Options:	
	0273253	Ref.	Hertz Decals Installation	
	0274182	Ref.	Nations Rent Decals Installation	
	0274246	Ref.	National Equipment Services (NES) Decals Installation	
	0271123	Ref.	Sunbelt Decals Installation	
	0271895	Ref.	United Decals Installation	
	0272312	Ref.	Decal Installation - Tire Sealant	
	0273770	Ref.	Decal Installation - Fall Arrest	
	2902203	1	Kit - Tire Sealant	
	2902395	Ref.	Drive/Steer Cutout Kit	
		Ref.	Filter Kits:	
		1	Combined Filter Kit (Hydraulic/Air & Fuel/Engine Oil)	
			Caterpillar Engine	
	1001110994		S/N 0300069000 to S/N 0300084829 (was p/n 2915137 & p/n 1001114031)	
	1001110991		S/N 0300084829 to S/N 0300087000 (was p/n 1001114123 & p/n 1001114124)	
			Deutz Engine	
	1001110993		S/N 0300069000 to S/N 0300084829 (was p/n 2910463)	
	1001110990		S/N 0300084829 to S/N 0300087000	
			Ford Engine	
	2910462		Ford LRG-425 W/Carb Engine	
	1001114042		Ford LRG-425 W/EFI Engine (S/N 0300084829 to S/N 0300087000)	
	1001114039		Ford LRG-425 W/EFI Engine (S/N 0300069000 to S/N 0300084829) (was p/n 2910460)	
		1	Hydraulic/Air Filter	
	Use 1001109692		Caterpillar, Deutz & Ford Engines (S/N 0300069000 to S/N 0300084829) (was p/n 2910924)	
		1	Fuel/Engine Oil Filter	
	1001110137		Caterpillar Engine	
	1001110133		Deutz Engine	
	4060959	Ref.	Footswitch Shield	
	0271548	Ref.	Glow Plug Installation (Deutz Engine Machines)	
		Ref.	Engine Block Heater Installations:	
	2580055	Ref.	Caterpillar Engine Machines	
	0258696	Ref.	Ford Engine Machines	
	2910100	Ref.	Hose/Cable Chafe Kit	

SECTION 10 SPECIAL OPTIONS

Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Hydraulic Fluids	
	2300014	Ref.	Mobil 424	
	2300027	Ref.	Mobil 224H Bio	
	2300029	Ref.	Mobil EAL ISO 46 Bio	
	2300016	Ref.	Mobil Delvac 15W-40	
	2300019	Ref.	Quaker State Quintolubric 888-46 Fire Resistant	
	1702720	Ref.	LP Gas Decal (Latin America)	
	0256765/1282665	Ref.	Oil Cooler Installation - Deutz	
	0256778/1283309	Ref.	Oil Cooler Installation - Ford	
	0256343	Ref.	Oxy-Acetylene Lines to Platform Installation	
	0270723	Ref.	Platform Beacon Installation	
	0258703	Ref.	Platform Console Cover Installation	
		Ref.	Platform Entry Kit	
	1001142504	Ref.	Kit, Replace Swing Gate with Drop Bar	
	1001142505	Ref.	Kit, Replace Drop Bar with Swing Gate	
	3510868	Ref.	Platform (36 X 96) W/Fall Arrest (Front Entry Platform)	
		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)	
		Ref.	Platform Mesh Decal - No Hands	
	1702868	Ref.	ANSI	
	1704000	Ref.	CSA	
	0256829	Ref.	Platform Self-Closing Gate Installation (GM Spec)	
		Ref.	Platform, Top Rail Extension (W/Front Entry)	
	0270511	Ref.	3'x6' Platforms	
	0271771	Ref.	3'x8' Platforms	
		Ref.	Platform, Top Rail Extension (W/Side Entry)	
	0272733	Ref.	3'x6' Platforms	
	0272725	Ref.	3'x8' Platforms	

SECTION 10 SPECIAL OPTIONS

Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref.	Platform Huck Fasteners Replacement Hardware	
	0641614	A/R	Bolt 1/4"-20NC x 2"	
	3311405	A/R	Locknut 1/4"-20NC	
	4711400	A/R	Flatwasher 1/4"	
	3300151	A/R	Acorn Nut 1/4"-20NC	
	0274597	Ref.	Rain Cap Installation	
		Ref.	Sky Accessory:	
		Ref.	Note: For Breakdown of Sky Accessories Refer to Accessory Manual p/n 3124242	
	0272590	Ref.	Plasma Cutter (Skycutter)	
	0272599	Ref.	Decal - Skycutter	
	0272254	Ref.	Welder - Stick, 250A	
	0272448	Ref.	Decal - Sky Welder	
	0272395	Ref.	SkyGlazier (Model 600A Only) (Domestic)	
	Continued	Ref.	Sky Accessory:	
	0272387	Ref.	SkyGlazier (Model 600A Only) (Spanish)	
	0272955	Ref.	SkyGlazier (Model 600A Only) (Portuguese)	
	0272418	Ref.	Decal - SkyGlazier (Model 600A Only)	
	0273353	Ref.	Skycutter/Sky Welder Combo	
		Ref.	SkyGuard Component Options:	
	1001149560	Ref.	SkyGuard Complete Add-On Kit (Non - UGM Machines)	
	1001137672	Ref.	SkyGuard Platform Sensor Kit	
	1001143256	Ref.	SkyGuard Blue Beacon Kit	
	0273706	Ref.	Soft Touch System W/Fall Arrest Platform (Front Entry Platform)	
	0272301	Ref.	Tire Sealant Installation	
		Ref.	Tools for Service	
	2901443	1	Analyzer Kit	
	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 Pin/Sockets from Deutsch Connectors)	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7002822	1	Screwdriver, Potentiometer (To Adjust Drive Controllers)	
	7016654	1	Screwdriver, Magnetic	
	7004275	1	Seal Installation Tool - 1"	
	7004276	1	Seal Installation Tool - 1 1/2"	

SECTION 10 SPECIAL OPTIONS

Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
	7002826	1	Seal Installation Tool - 2"	
	7016655	1	Wire Rope Sheave Gauge	
	7016652	1	Huck Bolt Faster (For Small Huck Bolts Only)	
	4921850	1	Throttle Service Harness	
	1001137005	1	Software Cable Kit	
	7002840	1	Pin Removal Tool (Oscillating Axle Cam Valve)	
	0272350	Ref.	Tool (Hydraulic) Circuit Installation	
	0257728	Ref.	Tube Rack Installation	
	0258918	Ref.	Utility Rack Installation	
	0256344	Ref.	Weld Leads Installation - 600A	
	0272772	Ref.	Weld Leads Installation - 600AJ (1 Cable)	

SECTION 10 SPECIAL OPTIONS

Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.

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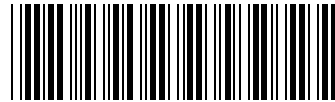
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