



Illustrated Parts Manual

Models **800S** **860SJ**

Prior to
SN 0300140000

3121140

January 17, 2014

ANSI



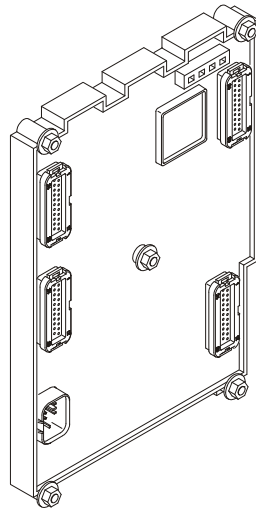
An Oshkosh Corporation Company

REVISION LOG

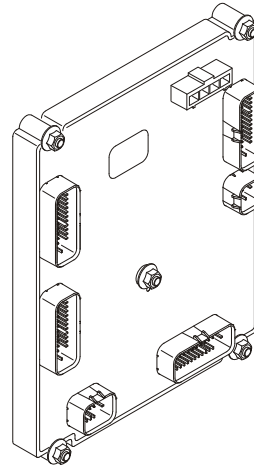
NOTES:

GROUND MODULE MODULE IDENTIFICATION

MODULE ON MACHINES
"WITHOUT UGM"
(UNIVERSAL
GROUND MODULE)



MODULE ON MACHINES
"WITH UGM"
(UNIVERSAL
GROUND MODULE)



REVISION LOG:

October 15, 2001 - Original Issue Of Manual (Edited to B/M 0010575 Revision 3)

December 15, 2001 - Revised Manual (Edited to B/M 0010575 Revision 7)

April 25, 2002 - Revised Manual (Edited to B/M 0010575 Revision 14)

November 19, 2002 - Revised Manual (Edited to B/M 0010575 Revision 22)

April 9, 2003 - Revised Manual (Edited to B/M 0010575 Revision 23)

September 5, 2003 - Revised Manual (Edited to B/M 0010575 Revision 36)

December 18, 2003 - Revised Manual (Edited to B/M 0010575 Revision 37)

March 5, 2004 - Revised Manual (Edited to B/M 0010575 Revision 37)

August 2, 2004 - Revised Manual (Edited to B/M 0010575 Revision 42)

November 1, 2004 - Revised Manual (Edited to B/M 0010575 Revision 42)

March 15, 2005 - Revised Manual (Edited to B/M 0010575 Revision 50)

September 16, 2005 - Revised Manual (Edited to B/M 0010575 Revision 61)

March 10, 2006 - Revised Manual (Edited to B/M 0010575 Revision 67)

June 5, 2006 - Revised Manual (Edited to B/M 0010575 Revision 67)

October 5, 2006 - Revised Manual (Edited to B/M 0010575 Revision 70)

March 1, 2007 - Revised Manual (Edited to B/M 0010575 Revision 73)

June 14, 2007 - Revised Manual (Edited to B/M 0010575 Revision 79)

October 5, 2007 - Revised Manual (Edited to B/M 0010575 Revision 81)

March 1, 2008 - Revised Manual (Edited to B/M 0010575 Revision 81)

August 22, 2008 - Revised Manual (Edited to B/M 0010575 Revision 96)

January 1, 2009 - Revised Manual (Edited to B/M 0010575 Revision 96)

June 15, 2009 - Revised Manual (Edited to B/M 0010575 Revision 104)

REVISION LOG

November 4, 2009 - Revised Manual (Edited to B/M 0010575 Revision 104)
May 3, 2010 - Revised Manual (Edited to B/M 0010575 Revision 110)
November 30, 2010 - Revised Manual (Edited to B/M 0010575 Revision 119)
April 21, 2011 - Revised Manual
July 22, 2011 - Revised Manual
October 14, 2011 - Revised Manual
January 10, 2012 - Revised Manual
June 15, 2012 - Revised Manual
August 2, 2012 - Revised Manual
January 4, 2013 - Revised Manual
April 2, 2013 - Revised Manual
June 28, 2013 - Revised Manual
September 23, 2013 - Revised Manual
January 17, 2014 - Revised Manual

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SECTION 1

FRAME

SECTION 1 FRAME

FIGURE 1-1. AXLE AND STEERING INSTALLATION WITHOUT TOW PACKAGE

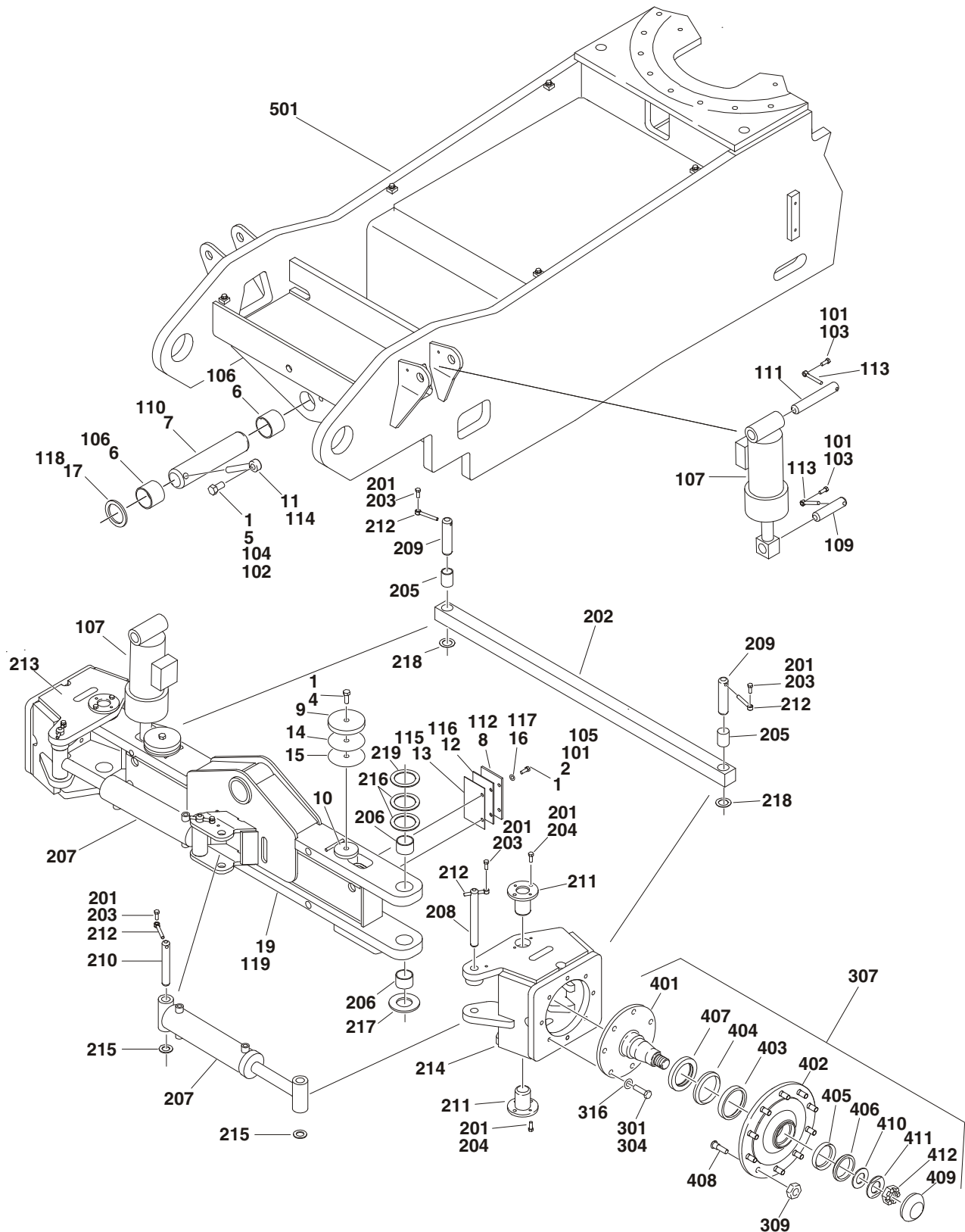


FIGURE 1-1. AXLE AND STEERING INSTALLATION WITHOUT TOW PACKAGE

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258286	Ref	FIXED AXLE INSTALLATION	C
1	0100011	AR	Compound, Locking	
2	0681608	4	Bolt 3/8in-16NC x 1in (Grade 8)	
3	Not Used			
4	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
5	0642212	1	Bolt 3/4in-10NC x 1-1/2in	
6	0962102	2	Bushing, Garmax	
7	3422703	1	Pin, Axle Pivot	
8	3538047	2	Shim, Wear	
9	3539877	2	Plate, Stop	
10	3539878	2	Plate, Stop	
11	3841287	1	Keeper, Pin	
12	4070878	AR	Shim 1/16in	
13	4070879	AR	Shim 1/8in	
14	4070944	AR	Shim 1/16in	
15	4070945	AR	Shim 1/4in	
16	4711600	4	Flatwasher 3/8in Thin	
17	4740472	1	Washer, Special	
18	Not Used			
19	4845658	1	Axle Weldment	
		Ref	OSCILLATING AXLE INSTALLATION	
	0271135	Ref	Prior to SN 0300083331	B
	0274571	Ref	SN 0300083331 to SN 0300140000	A
101	0100011	AR	Compound, Locking	
102	0100019	AR	Compound, Locking	
103	0641608	4	Bolt 3/8in-16NC x1in	
104	0642212	1	Bolt 3/4in-10NC x 1-1/2in	
105	0681608	4	Bolt 3/8in-16NC x1in (Grade 8)	
106	0962102	2	Bushing, Garmax	
107	1683078	2	Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
108	Not Used			
109	3422702	2	Pin	
110	3422703	1	Pin, Main Pivot	
111	3422755	2	Pin	
112	3538047	2	Shim, Axle Wear	
113	3841143	4	Shaft, Keeper 3/8in Dia x 3in	
114	3841287	1	Shaft, Keeper 3/8in Dia x 6in	
115	4070878	2	Shim, Axle Wear	
116	4070879	2	Shim, Axle Wear	
117	4711600	4	Flatwasher 3/8in Thin	
118	4740472	1	Washer, Special	
119	4845658	1	Axle Weldment	

SECTION 1 FRAME

FIGURE 1-1. AXLE AND STEERING INSTALLATION WITHOUT TOW PACKAGE (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0272003	Ref	STEERING INSTALLATIONS (2WS) Note: Before ordering king pin kit, verify that machines is equipped with the original components (king pin with 4 bolt holes) or service kit components (king pin with 8 bolt holes). - If the king pin hole in the axle measurement exceeds 2.252in OD or is elongated, use King Pin Kit p/n 1001137261.	B
		Ref		
201	0100011	AR	Compound, Locking	
202	0362726	1	Tie-Rod	
203	0641608	6	Bolt 3/8in-16NC x 1in	
204	0641810	16	Bolt 1/2in-13NC x 1-1/4in	
205	0962152	2	Bearing	
206	0962448	4	Bearing	
207	1683740	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
208	3422701	2	Pin, Steer, Spindle Attach	
209	3422702	2	Pin, Tie-Rod	
210	3422754	2	Pin, Attach	
211	3422849	4	Kingpin	
212	3841143	6	Shaft, Keeper 3/8in x 3in	
213	4130389	1	Spindle Weldment (RH)	
214	4130390	1	Spindle Weldment (LH)	
215	4740111	4	Washer, Special	
216	4740256	AR	Thrustwasher	
217	4740463	2	Washer, Special	
218	4740473	2	Thrustwasher	
219	1001103810	2	Thrustwasher (SN 0300134352 to SN 0300140000)	
		Ref	HUB INSTALLATION (2WD ONLY)	
	0271341	Ref	Prior to SN 0300083331	E
	0273378	Ref	SN 0300083331 to SN 0300140000	E
301	0100011	AR	Compound, Locking	
302 to 303	Not Used			
304	0682016	16	Bolt 5/8in-16NC x 2in (Grade 8)	
305 to 306	Not Used			
307	2780229	2	Hub Assembly (See Items 401-412 for Breakdown)	
308	Not Used			
309	3300007	20	Lugnut	
310 to 315	Not Used			
316	4892000	16	Flatwasher 5/8in Hardened	
	2780229	Ref	HUB ASSEMBLY (2WD ONLY)	A
401	7017052	2	Spindle (1 per Assembly)	
402	7017053	2	Housing (1 per Assembly)	
403	7010404	2	Cup, Bearing - Inner (1 per Assembly)	
404	7010405	2	Cone, Bearing - Inner (1 per Assembly)	
405	7017056	2	Cup, Bearing - Outer (1 per Assembly)	
406	7017055	2	Cone, Bearing - Outer (1 per Assembly)	

SECTION 1 FRAME

FIGURE 1-1. AXLE AND STEERING INSTALLATION WITHOUT TOW PACKAGE (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
407	7010406	2	Seal, Lip (1 per Assembly)	
408	7000265	20	Stud (10 per Assembly)	
409	7017054	2	Dust Cap (1 per Assembly)	
410	7017051	2	Washer, Special (1 per Assembly)	
411	7017057	2	Washer, Tanged (1 per Assembly)	
412	7017058	2	Nut, Bearing (1 per Assembly)	
501		Ref	FRAME WELDMENT OPTIONS	
		1	800S Options:	
	2360568		2WD Prior to SN 0300083331	
	2360687		2WD SN 0300083331 to SN 0300140000	
	2360555		4WD Prior to SN 0300083331	
	2360688		4WD SN 0300083331 to SN 0300140000	
		1	860SJ Options:	
	2360566		2WD Prior to SN 0300083331	
	2360689		2WD SN 0300083331 to SN 0300140000	
	2360568		4WD Prior to SN 0300083331	
	2360687		4WD SN 0300083331 to SN 0300140000	

SECTION 1 FRAME

FIGURE 1-2. AXLE AND STEERING INSTALLATION WITH TOW PACKAGE

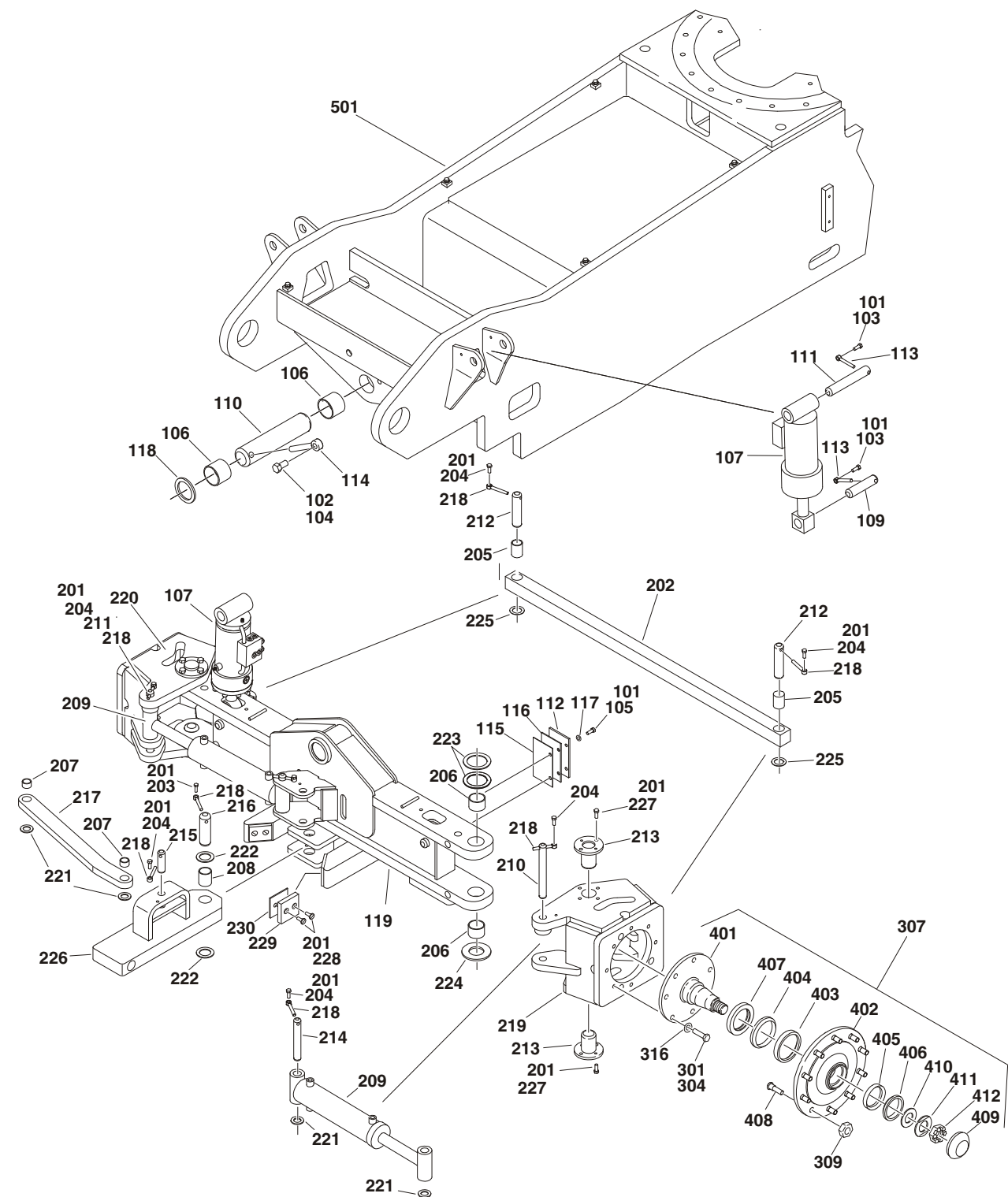


FIGURE 1-2. AXLE AND STEERING INSTALLATION WITH TOW PACKAGE

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	OSCILLATING AXLE INSTALLATION	
	0271353	Ref	Prior to SN 0300083331	A
	0274572	Ref	SN 0300083331 to SN 0300140000	A
101	0100011	AR	Compound, Locking	
102	0100019	AR	Compound, Locking	
103	0641608	4	Bolt 3/8in-16NC x1in	
104	0642212	1	Bolt 3/4in-10NC x 1-1/2in	
105	0681608	4	Bolt 3/8in-16NC x1in (Grade 8)	
106	0962102	2	Bushing, Garmax	
107	1683078	2	Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
108	Not Used			
109	3422702	2	Pin	
110	3422703	1	Pin, Main Pivot	
111	3422755	2	Pin	
112	3538047	2	Shim, Axle Wear	
113	3841143	4	Shaft, Keeper 3/8in Dia x 3in	
114	3841287	1	Shaft, Keeper 3/8in Dia x 6in	
115	4070878	2	Shim, Axle Wear	
116	4070879	2	Shim, Axle Wear	
117	4711600	4	Flatwasher 3/8in Thin	
118	4740472	1	Washer, Special	
119	4846413	1	Axle Weldment	
	0271352	Ref	STEERING INSTALLATION	E
		Ref	Note: Before ordering king pin kit, verify that machines is equipped with the original components (king pin with 4 bolt holes) or service kit components (king pin with 8 bolt holes). - If the king pin hole in the axle measurement exceeds 2.252in OD or is elongated, use King Pin Kit p/n 1001137261.	
201	0100011	AR	Compound, Locking	
202	0362726	1	Tie-Rod	
203	0641508	1	Bolt 5/16in- 18NC x 1in	
204	0641608	7	Bolt 3/8in-16NC x 1in	
205	0962152	2	Bearing, Garmax	
206	0962448	4	Bearing, Garmax	
207	0962292	2	Bearing, Garmax	
208	0962348	1	Bearing, Garmax	
209	1683740	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
210	3422567	1	Pin, Steer Spindle Attach (RH)	
211	3422701	1	Pin, Steer Spindle Attach (LH)	
212	3422702	2	Pin, Tie-Rod	
213	3422972	4	Kingpin	
214	3422754	2	Pin, Attach	
215	3422813	1	Pin	
216	3422848	1	Pin, Hitch	
217	2573001	1	Link, Connecting	

SECTION 1 FRAME

FIGURE 1-2. AXLE AND STEERING INSTALLATION WITH TOW PACKAGE (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
218	3841143	8	Shaft, Keeper 3/8in x 3in	
219	4130390	1	Spindle Weldment (LH)	
220	4130388	1	Spindle Weldment (RH)	
221	4740111	6	Washer, Special	
222	4740155	2	Thrustwasher	
223	4740256	4	Thrustwasher	
224	4740463	2	Thrustwasher	
225	4740473	2	Washer, Special	
226		1	Bar, Pivot Options:	
	4846414		Prior to SN 0300074135	
	4846935		SN 0300074135 to SN 0300140000	
227	0641810	16	Bolt 1/2in-13NC x 1-1/4in	
228		4	Screw Options:	
	0741607		Screw 3/8in-16NC x 3/4in (SN 0300070782 to SN 0300074135)	
	0741609		Screw 3/8in-16NC x 1-1/4in (SN 0300074135 to SN 0300140000)	
229	3340966	2	Pad, Stop (SN 0300070782 to SN 0300140000)	
230	4071059	4	Shim (SN 0300070782 to SN 0300140000)	
		Ref	HUB INSTALLATION (2WD ONLY)	
	0271341	Ref	Prior to SN 0300083331	E
	0273378	Ref	SN 0300083331 to SN 0300140000	E
301	0100011	AR	Compound, Locking	
302 to 303	Not Used			
304	0682016	16	Bolt 5/8in-16NC x 2in (Grade 8)	
305 to 306	Not Used			
307	2780229	2	Hub Assembly (See Items 401-412 for Breakdown)	
308	Not Used			
309	3300007	20	Lugnut	
310 to 315	Not Used			
316	4892000	16	Flatwasher 5/8in Hardened	
	2780229	Ref	HUB ASSEMBLY (2WD ONLY)	A
401	7017052	2	Spindle (1 per Assembly)	
402	7017053	2	Housing (1 per Assembly)	
403	7010404	2	Cup, Bearing - Inner (1 per Assembly)	
404	7010405	2	Cone, Bearing - Inner (1 per Assembly)	
405	7017056	2	Cup, Bearing - Outer (1 per Assembly)	
406	7017055	2	Cone, Bearing - Outer (1 per Assembly)	
407	7010406	2	Seal, Lip (1 per Assembly)	
408	7000265	20	Stud (10 per Assembly)	
409	7017054	2	Dust Cap (1 per Assembly)	
410	7017051	2	Washer, Special (1 per Assembly)	
411	7017057	2	Washer, Tanged (1 per Assembly)	
412	7017058	2	Nut, Bearing (1 per Assembly)	

SECTION 1 FRAME

FIGURE 1-2. AXLE AND STEERING INSTALLATION WITH TOW PACKAGE (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
501		Ref	FRAME WELDMENT OPTIONS	
		1	800S Options:	
	2360568		2WD Prior to SN 0300083331	
	2360687		2WD SN 0300083331 to SN 0300140000	
	2360555		4WD Prior to SN 0300083331	
	2360688		4WD SN 0300083331 to SN 0300140000	
		1	860SJ Options:	
	2360566		2WD Prior to SN 0300083331	
	2360689		2WD SN 0300083331 to SN 0300140000	
	2360568		4WD Prior to SN 0300083331	
	2360687		4WD SN 0300083331 to SN 0300140000	

SECTION 1 FRAME

FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS

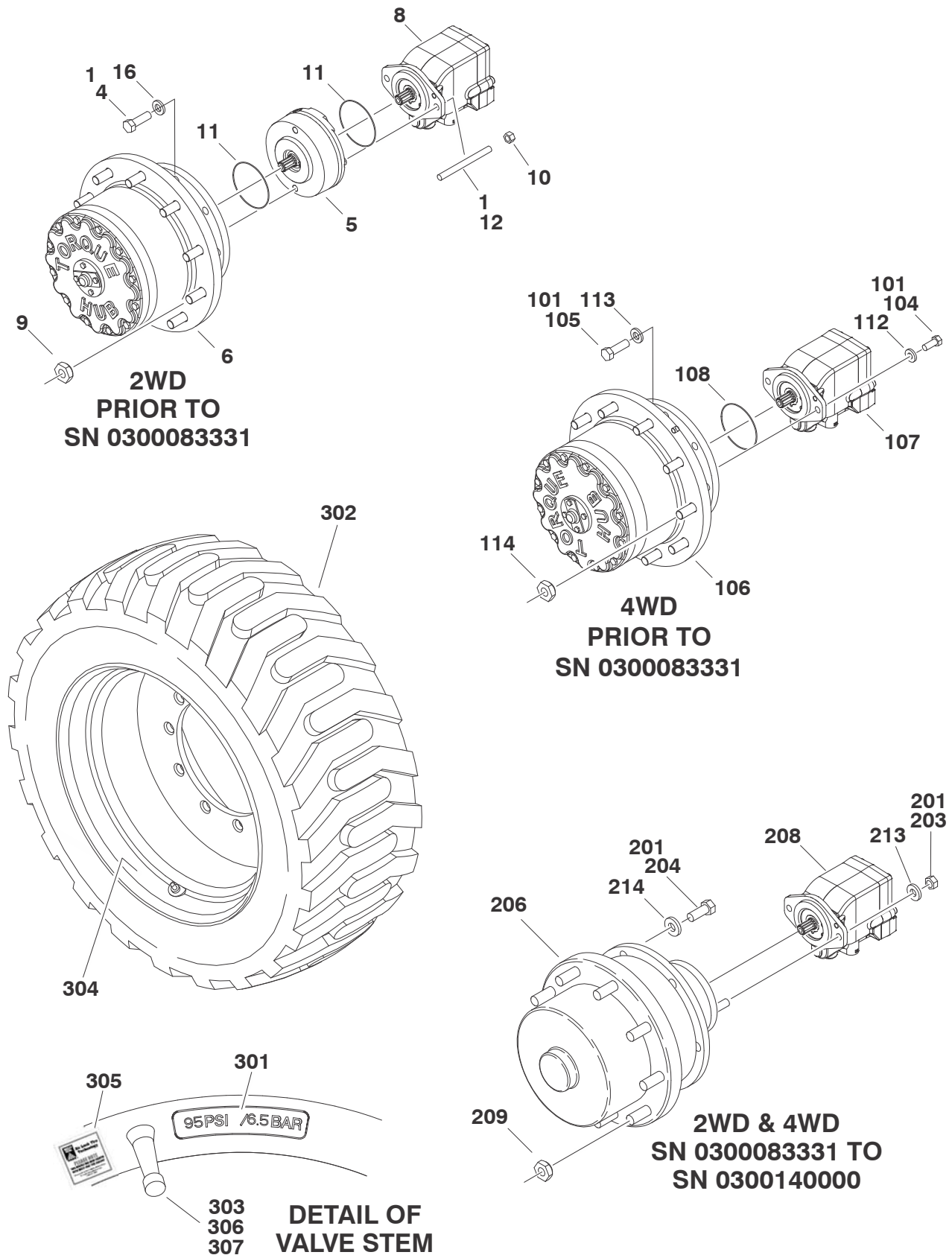


FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	WHEEL DRIVE INSTALLATIONS	
	0271341	Ref	2WD (PRIOR TO SN 0300083331)	E
1	0100011	AR	Compound, Locking	
2 to 3	Not Used			
4	0682016	16	Bolt 5/8in-11NC x 2in (Grade 8)	
5	Use 0920119	2	Drive Brake Assembly (was p/n 0920117)	
	7018612	1	Kit, Repair	
	7000731	2	Gasket (Between Components)	
6	2780227	2	Drive Hub Assembly (See DRIVE HUB ASSEMBLY for Breakdown)	
7	Not Used			
8	3160268	2	Drive Motor Assembly (See DRIVE MOTOR ASSEMBLY for Breakdown)	
9	3300007	20	Nut, Wheel	
10	3311801	4	Nut 1/2in - 13 NC	
11	3790045	4	O-Ring	
12	4300097	4	Stud	
13 to 15	Not Used			
16	4892000	16	Flatwasher 5/8in Hardened	
	0271349	Ref	4WD (PRIOR TO SN 0300083331)	E
101	0100011	AR	Compound, Locking	
102 to 103	Not Used			
104	0681810	8	Bolt 1/2in-13NC x 1-1/4in (Grade 8)	
105	0682016	32	Bolt 5/8in-11NC x 2in (Grade 8)	
106	2780259	4	Drive Hub/Brake Assembly (See DRIVE HUB/BRAKE ASSEMBLY for Breakdown)	
107	3160266	4	Drive Motor Assembly (See DRIVE MOTOR ASSEMBLY for Breakdown)	
108	3790045	4	O-Ring	
109 to 111	Not Used			
112	4891800	4	Flatwasher 1/2in Hardened	
113	4892000	32	Flatwasher 5/8in Hardened	
114	3300007	40	Nut, Wheel	
		Ref	WHEEL DRIVE INSTALLATION (SN 0300083331 TO SN 0300140000)	
	0273378	Ref	2WD	E
	0273704	Ref	4WD	D
		Ref	Note: 2WD Qty Shown. For 4WD, Double Qty Shown.	
201	0100011	AR	Compound, Locking	
202	Not Used			
203	3311801	4	Nut 1/2in-13 NC	
204	0682016	16	Bolt 5/8in-11NC x 2in (Grade 8)	
205	2300016	AR	Fluid, Hydraulic (Not Shown)	
206	2780272	2	Drive Hub Assembly (See DRIVE HUB ASSEMBLY for Breakdown)	

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FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
207	3020008	AR	Lubricant (Not Shown)	
208		AR	Drive Motor Assembly Options (See DRIVE MOTOR ASSEMBLY for Breakdown)	
	3160308	2	2WD Rear (Prior to SN 0300098924)	
	3160347	2	2WD Rear (SN 0300098924 to SN 0300140000)	
	3160266	4	4WD Front & Rear (Prior to SN 0300098641)	
	3160348	4	4WD Front & Rear (SN 0300098641 to SN 0300140000)	
209	3300007	20	Nut, Wheel	
210 to 212	Not Used			
213	4891800	4	Flatwasher, 1/2in Hardened	
214	4892000	16	Flatwasher 5/8in Hardened	
		Ref	TIRE AND WHEEL INSTALLATIONS	
	0270885	Ref	15-625 NHS Pneumatic	A
	0272322	Ref	15-625 NHS Pneumatic W/Sealant	1
	0270886	Ref	15-625 NHS Foam-Filled	A
	0270888	Ref	18-625 NHS Foam-Filled	A
	0271419	Ref	41/18LLx22.5 Sand & Turf Foam-Filled	B
	0271083	2	15-625 NHS Pneumatic Left Side	
	0271084	2	15-625 NHS Pneumatic Right Side	
	0272334	2	15-625 NHS Pneumatic W/Sealant Left Side	
	0272333	2	15-625 NHS Pneumatic W/Sealant Right Side	
	0271085	2	15-625 NHS Foam-Filled Left Side	
	0271086	2	15-625 NHS Foam-Filled Right Side	
	0271090	2	18-625 NHS Foam-Filled Left Side	
	0271091	2	18-625 NHS Foam-Filled Right Side	
	0271419	4	41/18LLx22.5 Sand & Turf Foam-Filled	
		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.	
301		1	Decal Options (Pneumatic Only):	
	1702701		95 PSI/6.5 Bar (15-625 Tires)	
302		1	Tire Options:	
	4520252		15-625 Tire	
	4520253		18-625 Tire	
	4520256		41/18LLx22.5 Sand & Turf Tire	
303	4640113	1	Valve, Air	
304		1	Rim, Wheel Options:	
	4860224		13 x 24.5 Rim (Use with 15-625 Tires)	
	4860225		15 x 24.5 Rim (Use with 18-625 Tires)	
	4860230		22.5 x 14 (41/18LLx22.5 Sand & Turf Tires)	
305	1705364	AR	Decal - Tire Sealant (W/Sealant Only)	
306	1300019	AR	Chemical, Tire Sealant (Green) (W/Sealant Only)	
307	1120552	AR	Cap, Valve Stem (Green) (W/Sealant Only)	

FIGURE 1-3. TIRE AND WHEEL DRIVE INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-4. DRIVE HUB ASSEMBLY (2WD PRIOR TO SN 0300083331)

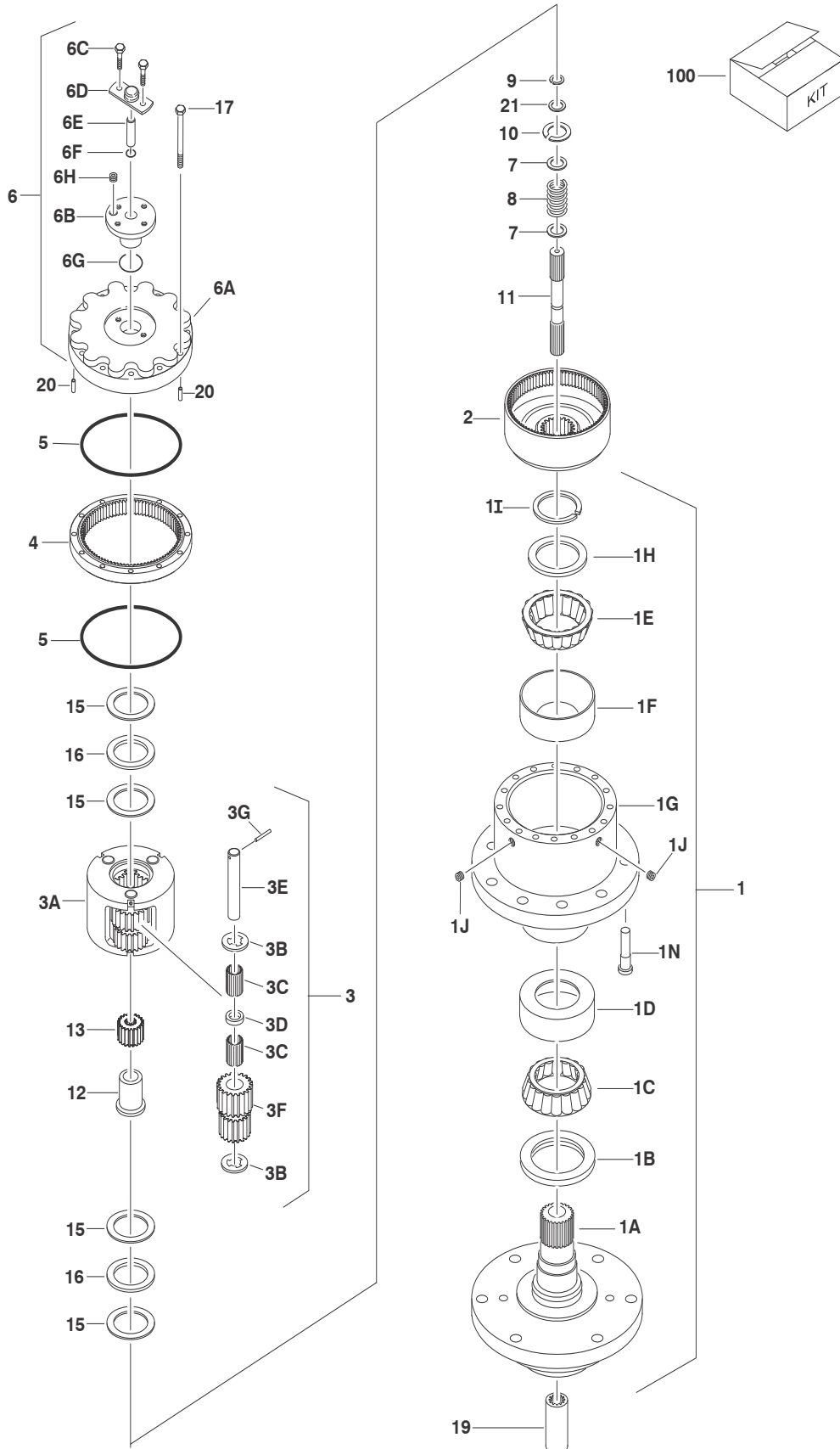


FIGURE 1-4. DRIVE HUB ASSEMBLY (2WD PRIOR TO SN 0300083331)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780227	Ref	DRIVE HUB ASSEMBLY (2WD)	A
1	See Note	1	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components.)	
1A	7010464	1	Spindle	
1B	7000236	1	Seal	
1C	7000273	1	Cone, Bearing	
1D	7000272	1	Cup, Bearing	
1E	7000275	1	Cone, Bearing	
1F	7000274	1	Cup, Bearing	
1G	7017033	1	Housing	
1H	7000239	1	Thrustwasher	
1I	7000240	1	Ring, Retaining	
1J	7001928	1	Plug, Pipe	
1K	Not Used			
1L	Not Used			
1M	Not Used			
1N	7000265	10	Stud, Wheel	
2	7017034	1	Gear, Ring	
3	See Note	1	Carrier Assembly (Note: Not Available - Purchase Individual Components.)	
3A	7017036	1	Carrier	
3B	7001901	6	Thrustwasher, Tanged	
3C	7001902	96	Bearing, Needle	
3D	7001903	3	Spacer, Thrust	
3E	7017040	3	Shaft, Planet	
3F	7017037	3	Gear, Cluster	
3G	7001906	3	Rollpin	
4	7017035	1	Gear, Internal	
5	7000224	1	O-Ring	
6	See Note	1	Cover Assembly (Note: Not Available - Purchase Individual Components.)	
6A	7024155	1	Cover	
6B	7017042	1	Cap	
6C	7000220	4	Bolt 1/4in-20NC x 3/4in	
6D	7000231	1	Cap, Disengage	
6E	7000235	1	Rod, Disengage	
6F	7000213	1	O-Ring	
6G	7000238	1	O-Ring	
6H	7017048	1	Plug, Pipe	
7	7000282	2	Thrustwasher	
8	7000283	1	O-Ring	
9	7000284	1	Ring, Retaining	
10	7017027	1	Ring, Retaining	
11	7017039	1	Shaft, Input	
12	7017041	1	Spacer, Input	
13	7017038	1	Gear, Sun	
14	Not Used			
15	7000287	4	Thrustwasher	

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FIGURE 1-4. DRIVE HUB ASSEMBLY (2WD PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
16	7000288	2	Thrustwasher	
17	7000289	12	Bolt 3/8in-16NC x 2-1/2in (Grade 8)	
18	Not Used			
19	7000290	1	Coupling	
20	7017047	2	Pin, Dowel	
21	7017050	AR	Thrustwasher	
		Ref	KIT OPTIONS:	
100	7017068	1	Seal Kit - Hub (Includes Items 1B,1I, 5, 6F, 6G, 15 & 16)	

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FIGURE 1-4. DRIVE HUB ASSEMBLY (2WD PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-5. DRIVE HUB/BRAKE ASSEMBLY (4WD PRIOR TO SN 0300083331)

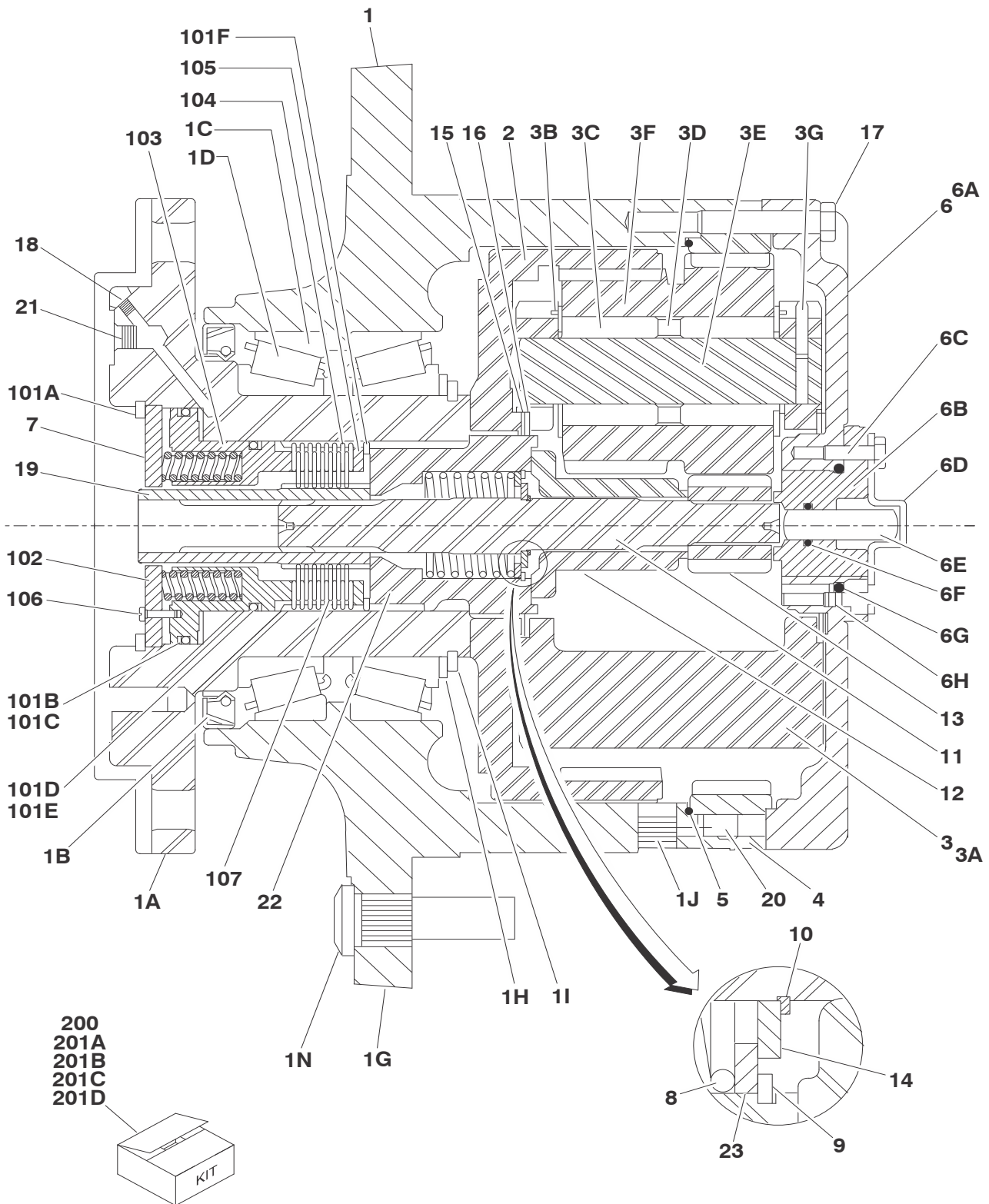


FIGURE 1-5. DRIVE HUB/BRAKE ASSEMBLY (4WD PRIOR TO SN 0300083331)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780259	Ref	DRIVE HUB ASSEMBLY (2WD)	A
1	See Note	1	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components.)	
1A	7024139	1	Spindle	
1B	7024140	1	Seal	
1C	7024144	2	Cone, Bearing	
1D	7024143	2	Cup, Bearing	
1E to 1F	Not Used			
1G	7024142	1	Housing	
1H	7024137	1	Thrustwasher	
1I	7024141	1	Ring, Retaining	
1J	7001928	1	Plug, Pipe	
1K	Not Used			
1L	Not Used			
1M	Not Used			
1N	7000265	10	Stud, Wheel	
2	7024150	1	Gear, Internal	
3	7024145	1	Carrier Assembly	
3A	7024147	1	Carrier	
3B	7001901	6	Thrustwasher, Tanged	
3C	7001902	84	Bearing, Needle	
3D	7001903	3	Spacer, Thrust	
3E	7024146	3	Shaft, Planet	
3F	7024148	3	Gear, Cluster	
3G	7001906	3	Rollpin	
4	7024151	1	Gear, Ring	
5	7000224	2	O-Ring	
6	See Note	1	Cover Assembly (Note: Not Available - Purchase Individual Components.)	
6A	7024155	1	Cover	
6B	7024156	1	Cap	
6C	7000220	4	Bolt 1/4in-20NC x 3/4in	
6D	7000231	1	Cap, Disengage	
6E	7000235	1	Rod, Disengage	
6F	7000213	1	O-Ring	
6G	7000238	1	O-Ring	
6H	7017048	1	Plug, Pipe	
7	7024106	1	Brake Assembly (See Items 101A - 108)	
8	7000283	1	Spring	
9	7000284	1	Ring, Retaining	
10	7017027	1	Ring, Retaining	
11	7024152	1	Shaft, Input	
12	7024154	1	Spacer, Input	
13	7024149	1	Gear, Sun	
14	7017050	1	Thrustwasher	
15	7000287	4	Thrustwasher	
16	7000288	2	Thrustwasher	
17	7000289	12	Bolt 3/8in-16NC x 2-1/2in (Grade 8)	

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FIGURE 1-5. DRIVE HUB/BRAKE ASSEMBLY (4WD PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
18	7024108	1	Plug, Pressure	
19	7024153	1	Coupling	
20	7017047	2	Pin, Dowel	
21	7017082	1	Plug, O-Ring	
22	7024138	1	Coupling	
23	7000282	1	Thrustwasher	
	7024106	Ref	BRAKE ASSEMBLY	
101A	Use 7024719	1	Internal Circlip	
101B	Use 7024709	1	O-Ring	
101C	Use 7024709	1	Back-Up Ring	
101D	Use 7024709	1	O-Ring	
101E	Use 7024709	1	Back-Up Ring	
101F	Use 7024719	1	Internal Circlip	
102	Use 7024719	1	Plate, End	
103	See Note	1	Piston (Note: Not Available - Purchase Complete Assy.)	
104	Use 7024710	8	Plate, Outer	
105	Use 7024719	1	Spacer	
106	See Note	6	Screw (Note: Not Available for Purchase.)	
107	Use 7024710	7	Plate, Inner	
108	Use 7024711	10	Spring, Compression	
		Ref	KIT OPTIONS:	
200	7024720	1	Seal Kit - Hub (Includes Items 1B, 1I & 5)	
201		AR	Repair Kit Options:	
201A	7024719	1	Hardware	
201B	7024710	1	Lining	
201C	7024709	1	O-Ring	
201D	7024711	1	Spring	

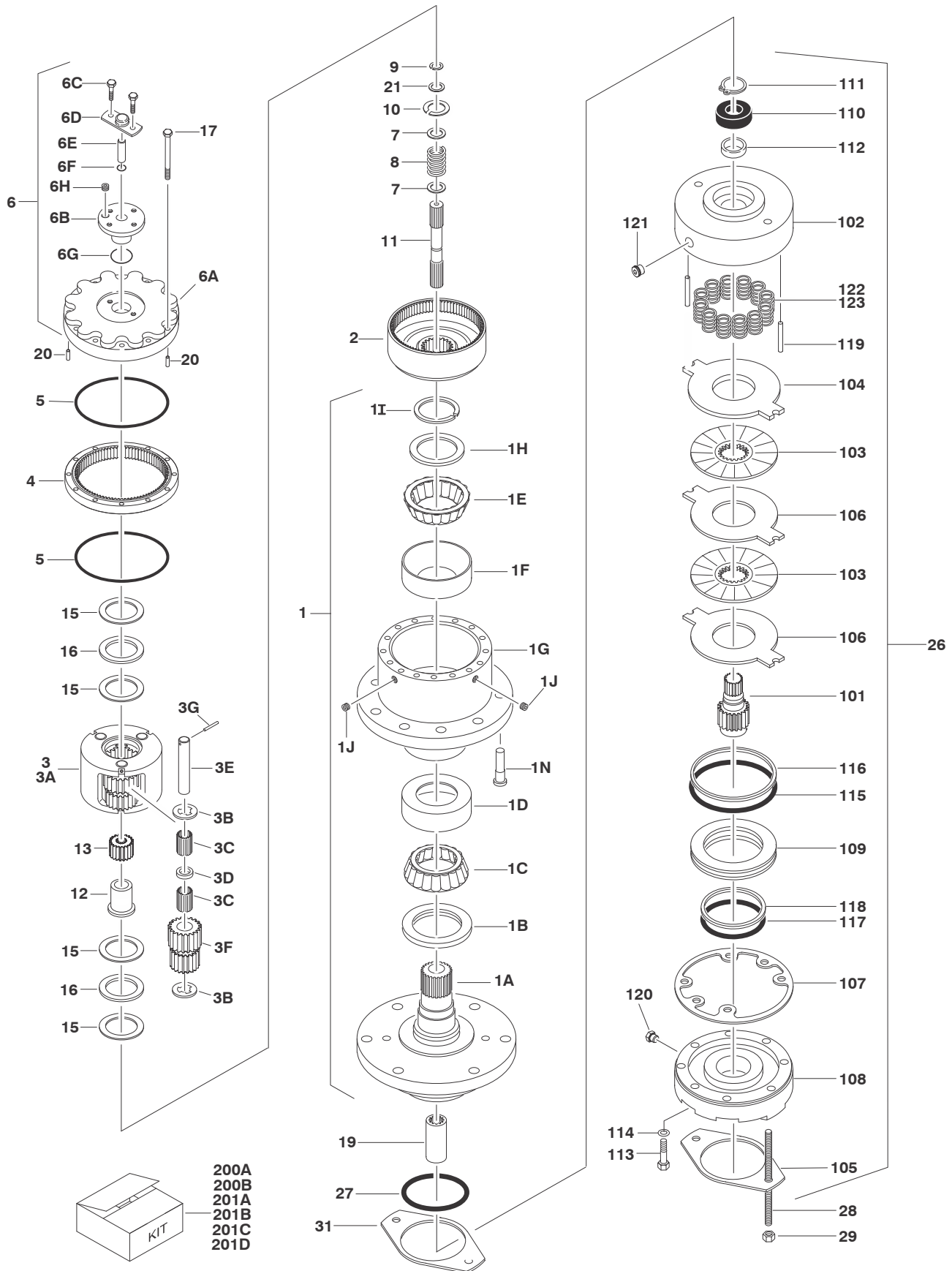
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FIGURE 1-5. DRIVE HUB/BRAKE ASSEMBLY (4WD PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-6. DRIVE HUB/BRAKE ASSEMBLY (SN 0300083331 TO SN 0300140000)



SECTION 1 FRAME

FIGURE 1-6. DRIVE HUB/BRAKE ASSEMBLY (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780272	Ref	DRIVE HUB/BRAKE ASSEMBLY	B
	2780227	Ref	Hub Assembly	B
1	See Note	1	Spindle/Housing Assembly (Note: Not Available - Purchase Individual Components.)	
1A	7010464	1	Spindle	
1B	7000236	1	Seal	
1C	7000273	1	Cone, Bearing	
1D	7000272	1	Cup, Bearing	
1E	7000275	1	Cone, Bearing	
1F	7000274	1	Cup, Bearing	
1G	7017033	1	Housing	
1H	7000239	1	Thrustwasher	
1I	7000240	1	Ring, Retaining	
1J	7001928	1	Plug, Pipe	
1K	Not Used			
1L	Not Used			
1M	Not Used			
1N	7000265	10	Stud, Wheel	
2	7024782	1	Gear, Ring	
3	See Note	1	Carrier Assembly (Note: Not Available - Purchase Individual Components.)	
3A	7024147	1	Carrier	
3B	7001901	6	Thrustwasher, Tanged	
3C	7001902	96	Bearing, Needle	
3D	7001903	3	Spacer, Thrust	
3E	7024146	3	Shaft, Planet	
3F	7024148	3	Gear, Cluster	
3G	7001906	3	Rollpin	
4	7024151	1	Gear, Internal	
5	7000224	1	O-Ring	
6	See Note	1	Cover Assembly (Note: Not Available - Purchase Individual Components.)	
6A	7024155	1	Cover	
6B	7024783	1	Cap	
6C	7000220	4	Bolt 1/4in-20NC x 3/4in	
6D	7000231	1	Cap, Disengage	
6E	7000235	1	Rod, Disengage	
6F	7000213	1	O-Ring	
6G	7000238	1	O-Ring	
6H	7017048	1	Plug, Pipe	
7	7000282	2	Thrustwasher	
8	7000283	1	O-Ring	
9	7000284	1	Ring, Retaining	
10	7000285	1	Ring, Retaining	
11	7024781	1	Shaft, Input	
12	7024154	1	Spacer, Input	
13	7024149	1	Gear, Sun	
14	Not Used			

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FIGURE 1-6. DRIVE HUB/BRAKE ASSEMBLY (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
15	7000287	4	Thrustwasher	
16	7000288	2	Thrustwasher	
17	7000289	12	Bolt 3/8in-16NC x 2-1/2in (Grade 8)	
18	Not Used			
19	7000290	1	Coupling	
20	7017047	2	Pin, Dowel	
21	7017050	1	Thrustwasher	
22 to 25	Not Used			
26	7024182	1	Brake Assembly (Includes Items 101-123)	
27	7024763	2	O-Ring	
28	7024717	2	Stud 1/2in-13NC x 4-5/8in	
29	7024718	2	Nut 1/2in-13NC	
30	Not Used			
31	7000731	1	Gasket	
	7024182	Ref	BRAKE ASSEMBLY	
101	7024189	1	Shaft	
102	See Note	1	Housing (Note: Not Available - Purchase Complete Assy.)	
103	Use 7024193	2	Plate, Friction	
104	Use 7024193	1	Plate, Pressure	
105	7000731	1	Gasket	
106	Use 7024193	2	Plate, Outer	
107	See Note	1	Gasket (Note: Use Items 200B, 201C or 201D)	
108	7024191	1	Cylinder	
109	7024192	1	Piston	
110	Use 7024197	1	Bearing, Ball	
111	Use 7024197	1	Ring, Retaining	
112	Use 7024197	1	Seal, Shaft	
113	See Note	6	Capscrew (Note: Not Available for Purchase.)	
114	See Note	6	Lockwasher (Note: Not Available for Purchase.)	
115	Use 7024194	1	O-Ring	
116	Use 7024194	1	Ring, Back-up	
117	Use 7024194	1	O-Ring	
118	Use 7024194	1	Ring, Back-up	
119	7024190	2	Pin, Dowel	
120	See Note	1	Plug (Note: Not Available for Purchase.)	
121	See Note	2	Plug (Note: Not Available for Purchase.)	
122	Use 7024196	10	Spring Kit (Natural)	
123	Use 7024196	2	Spring Kit (Blue)	

FIGURE 1-6. DRIVE HUB/BRAKE ASSEMBLY (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	KIT OPTIONS:	
200		AR	Seal Kit Options:	
200A	7017068	1	Seal Kit - Hub (Includes Items 1B,5,6F,6G & 8)	
200B	7024194	1	Seal Kit - 7024182 Brake (Includes Items 105, 107 & 215-218)	
201		AR	Repair Kit Options:	
201A	Use 7024196	1	Spring Kit - 7024182 Brake (Includes 12 Natural Colored Springs) (was p/n 7024195) Note: Spring Kit no Longer Available, Purchase Kit p/n 7024196.	
201B	7024196	1	Spring Kit - 7024182 Brake (Includes 12 Natural & 2 Blue Colored Springs)	
201C	7024193	1	Friction Disc Kit - 7024182 Brake (Includes Items 103, 104, 106 & 107)	
201D	7024197	1	Bearing Kit - 7024182 Brake (Includes Items 107 & 110-112)	

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FIGURE 1-7. DRIVE MOTOR ASSEMBLY (2WD PRIOR TO SN 0300083331)

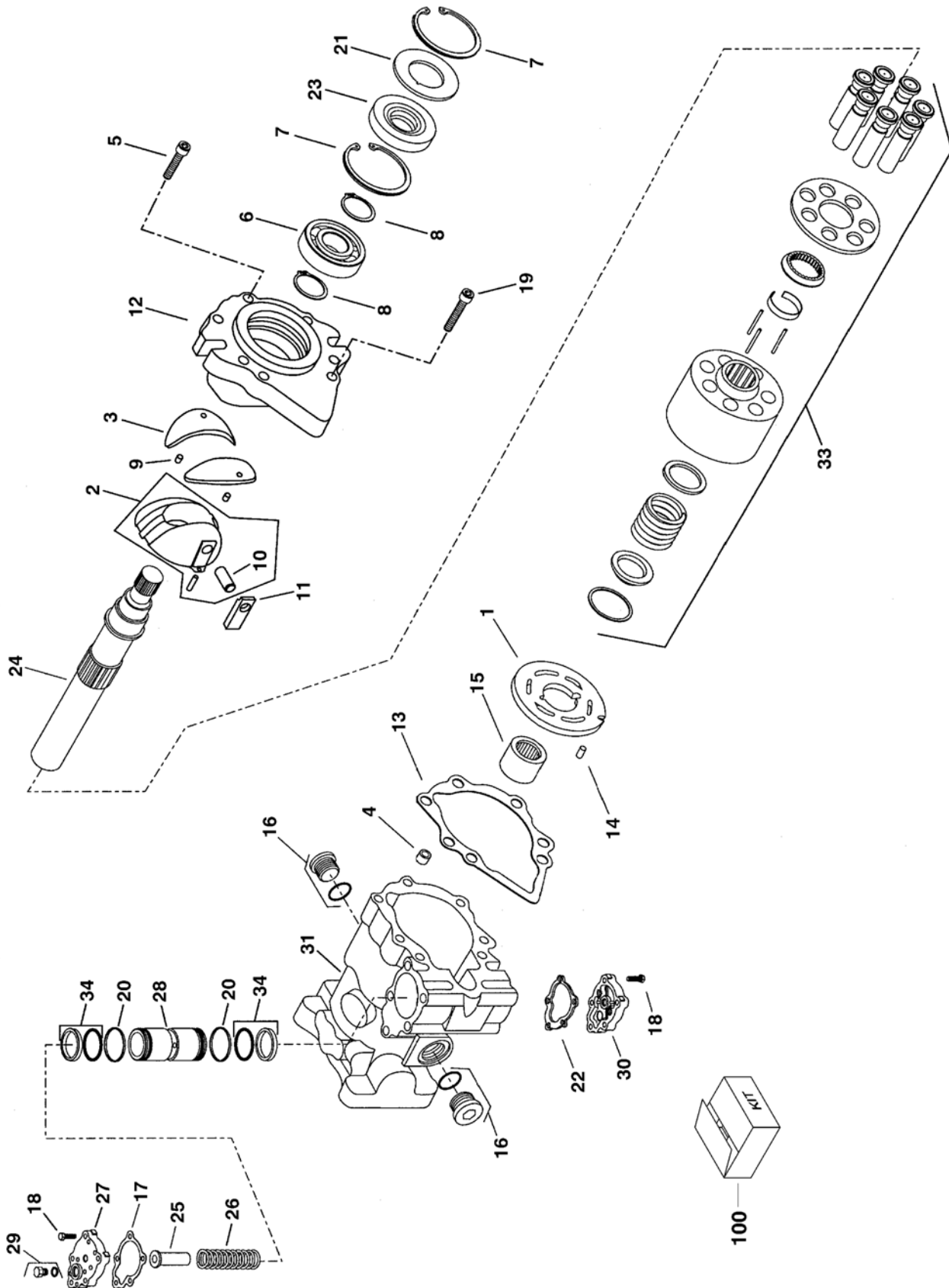


FIGURE 1-7. DRIVE MOTOR ASSEMBLY (2WD PRIOR TO SN 0300083331)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160268	Ref	DRIVE MOTOR ASSEMBLY	B
1	7023938	1	Plate, Motor Valve	
2	7023939	1	Swashplate Assembly (Includes Item 10)	
3	7023940	2	Bearing, Journal	
4	7007435	1	Pin, Spring	
5	7021202	1	Screw	
6	7007437	1	Bearing, Ball	
7	7007438	2	Ring	
8	7007439	2	Ring	
9	7021203	2	Pin, Spring	
10	7007441	1	Pin	
11	7007442	1	Bearing, Sleeve	
12	7023941	1	Cover, Front	
13	Use 7023946	1	Gasket, Front Cover	
14	7007446	1	Pin	
15	7007425	1	Bearing, Needle	
16	7007419	2	Plug (Includes O-Ring)	
17	Use 7023946	1	Gasket, Servo	
18	7021223	10	Screw	
19	7021207	6	Screw	
20	Use 7023946	2	Ring, Bearing	
21	7022371	1	Washer, Support	
22	Use 7023946	1	Gasket, Servo	
23	Use 7023946	1	Seal, Lip	
24	7023942	1	Shaft, 13 Tooth	
25	7023943	1	Stop	
26	7023944	1	Spring, Servo	
27	7021219	1	Cover, Servo	
28	7023945	1	Piston, Servo	
29	7007470	1	Plug, (Includes O-Ring)	
30	7021219	1	Cover, Servo	
31	See Note	1	Housing (Note: Not Available - Purchase Complete Assy.)	
32	7010114	2	Plug (Includes O-Ring) (Not Shown)	
33	7010116	1	Cylinder Block Kit	
34	Use 7023946	1	Piston Ring & O-Ring Kit	
		Ref	KIT OPTIONS:	
100	7023946	1	Seal Kit (Includes Items 13, 17, 20, 22, 23, 34 & O-Rings on 16, 29 & 32)	

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FIGURE 1-8. DRIVE MOTOR ASSEMBLY (2WD SN 0300083331 TO SN 0300098641 & ALL 4WD MACHINES) (4 BOLT ASSEMBLY)

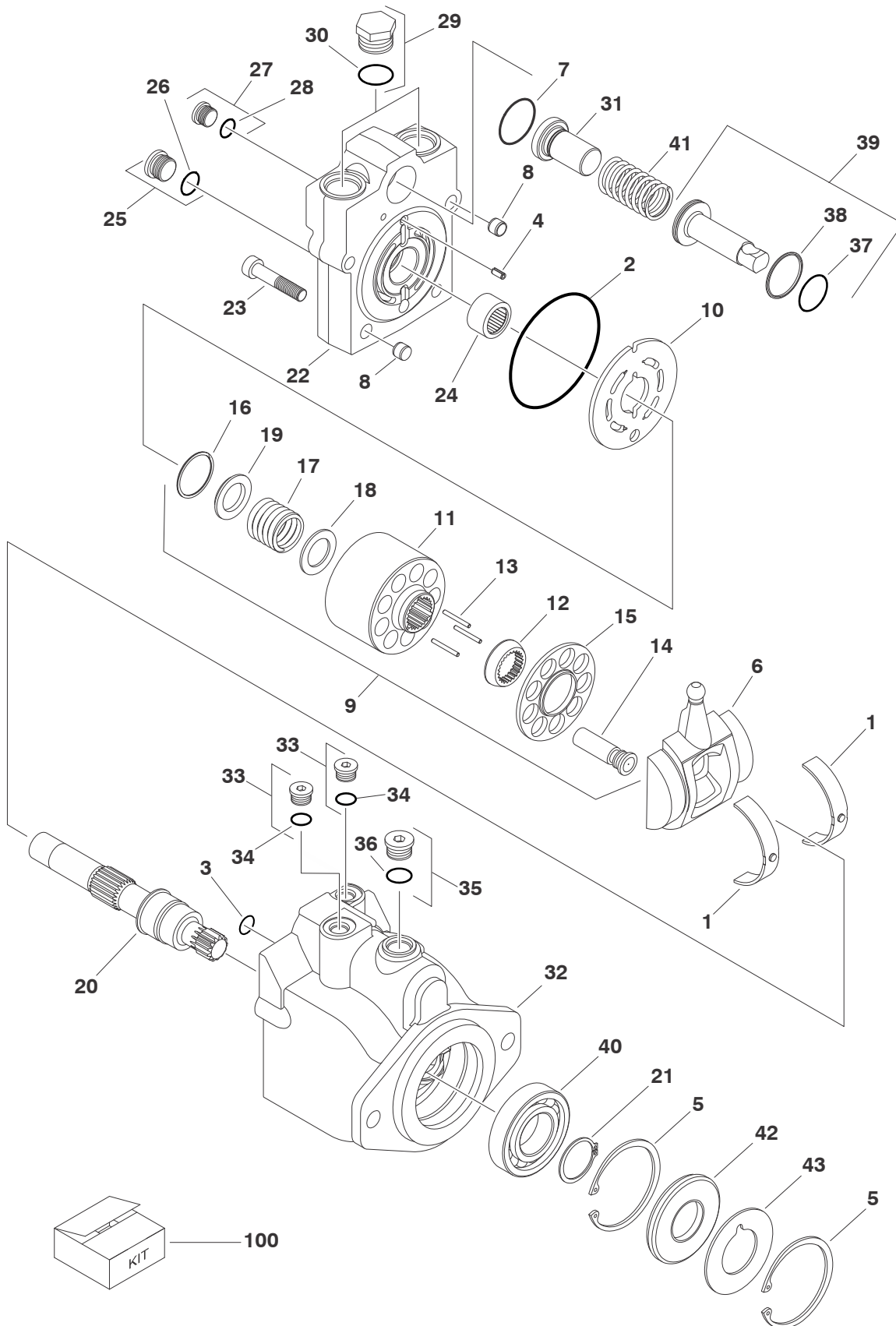


FIGURE 1-8. DRIVE MOTOR ASSEMBLY (2WD SN 0300083331 TO SN 0300098641 & ALL 4WD MACHINES) (4 BOLT ASSEMBLY)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE MOTOR ASSEMBLY	
	3160308	Ref	2WD	C
	3160266	Ref	4WD	D
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		1	Swashplate Options:	
	7024861		2WD	
	7022305		4WD	
7	Use 7022328	1	O-Ring	
8		AR	Pin Options:	
	7027435	2	2WD	
	Not Required	0	4WD	
9		1	Cylinder Block Kit (Includes Items 11-19) Options:	
	7027740		2WD	
	7023907		4WD	
10		1	Plate, Valve Options:	
	7024862		2WD	
	7023908		4WD	
11	See Note	1	Block, Cylinder (Note: Use Item 9)	
12		1	Guide, Slipper Retainer Options:	
	See Note		2WD (Note: Use Item 9)	
	7021277		4WD	
13	7021275	3	Pin, Slipper Hold Down	
14		9	Piston Assembly Options:	
	7024865		2WD	
	See Note		4WD (Note: Use Item 9)	
15		1	Retainer, Slipper Options:	
	See Note		2WD (Note: Use Item 9)	
	7022310		4WD	
16	7022311	1	Ring, Retaining	
17		1	Spring Options:	
	7024867		2WD	
	7022312		4WD	
18		1	Washer	
	7022313		2WD	
	See Note		4WD (Note: Use Item 9)	
19	7022314	1	Retainer, Spring	
20	7023910	1	Shaft	
21	7007439	1	Ring, Retaining	
22		1	Cap, End - Axial Options:	
	See Note		2WD (Note: Not Available - Purchase Complete Assy.)	
	7022367		4WD	
23	7022368	4	Screw	
24	7021249	1	Bearing, Needle	

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FIGURE 1-8. DRIVE MOTOR ASSEMBLY (2WD SN 0300083331 TO SN 0300098641 & ALL 4WD MACHINES) (4 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	7022321	1	Plug (Includes Item 26)	
26	Use 7022328	1	O-Ring	
27	7007420	1	Plug (Includes Item 28)	
28	Use 7022328	1	O-Ring	
29	7007419	2	Plug (Includes Item 30)	
30	Use 7022328	2	O-Ring	
31		1	Seat, Spring Options:	
	7027741		2WD	
	7022372		4WD	
32		1	Housing Options:	
	7024870		2WD	
	7022370		4WD	
33	7007419	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	
38	Use 7022328	1	Ring, Seal	
39		1	Piston, Servo Options:	
	7024871		2WD (Includes Items 37 & 38)	
	7022323		4WD (Piston Only - Does not include items 37 & 38)	
40	7007437	1	Bearing	
41	7022326	1	Spring	
42	Use 7022328	1	Seal, Lip	
43	7022371	1	Washer, Support	
		Ref	KIT OPTIONS:	
100	7022328	1	Seal Kit (Includes Items 2,3,7,26,28,30,34,36,37,38 and 42)	

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FIGURE 1-8. DRIVE MOTOR ASSEMBLY (2WD SN 0300083331 TO SN 0300098641 & ALL 4WD MACHINES) (4 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-9. DRIVE MOTOR ASSEMBLY (5 BOLT ASSEMBLY)

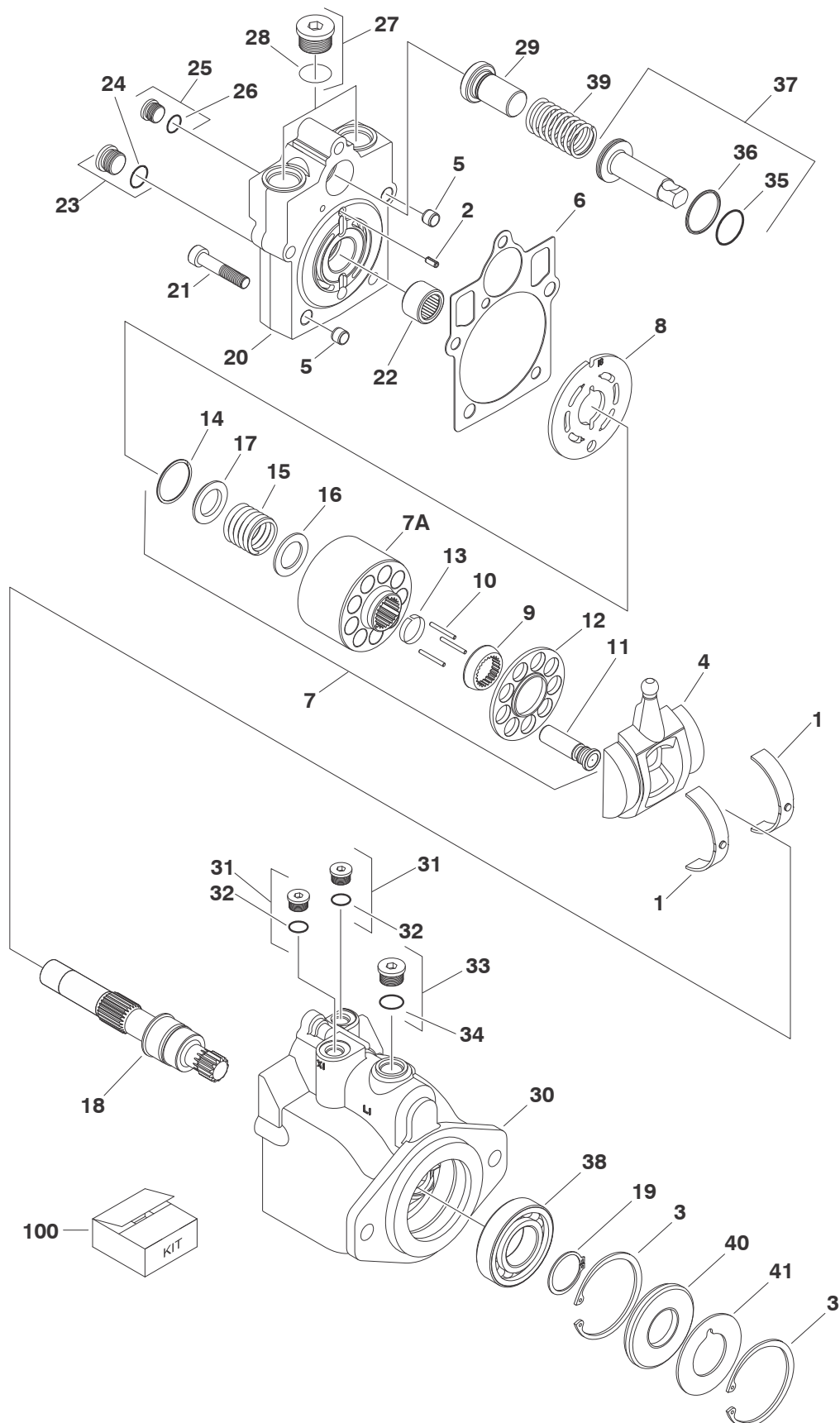


FIGURE 1-9. DRIVE MOTOR ASSEMBLY (5 BOLT ASSEMBLY)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE MOTOR ASSEMBLIES:	
	3160347	Ref	2WD	B
	3160348	Ref	4WD	B
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4		1	Swashplate Options:	
	70000794		2WD	
	7022305		4WD	
5	See Note	2	Pin (Note: Not Available for Purchase.)	
6	Use 7022328	1	Gasket	
7		1	Cylinder Block Kit (Includes Items 7A & 9-17)	
	7027740		2WD	
	7023907		4WD	
7A	See Note	1	Block, Cylinder (Note: Not Available - Purchase Complete Cylinder Block Kit.)	
8		1	Plate, Valve Options:	
	7024862		2WD	
	7023908		4WD	
9		1	Guide, Slipper Retainer Options:	
	See Note		2WD (Note: Not Available for Purchase.)	
	7021277		4WD	
10	7021275	3	Pin, Slipper Hold Down	
11	See Note	9	Piston Assembly (Note: Not Available - Purchase Complete Assy.)	
12		1	Retainer, Slipper Options:	
	See Note		2WD (Note: Not Available for Purchase.)	
	7022310		4WD	
13		1	Retainer, Hold Down Pin Options:	
	Not Required		2WD	
	7021276		4WD	
14	7022311	1	Ring, Retaining	
15		1	Spring Options:	
	7024867		2WD	
	7022312		4WD	
16		1	Washer Options:	
	7022313		2WD	
	7024868		4WD	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20		1	Cap, End - Axial Options:	
	70000795		2WD	
	70000797		4WD	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	Use 7022328	1	O-Ring	

SECTION 1 FRAME

FIGURE 1-9. DRIVE MOTOR ASSEMBLY (5 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	2220883	1	Plug (Includes Item 26)	
26	Use 7022328	1	O-Ring	
27	2220888	2	Plug (Includes Item 28)	
28	Use 7022328	2	O-Ring	
29		1	Seat, Spring Options:	
	7027741		2WD	
	7022372		4WD	
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		1	Piston, Servo Options (Includes Items 35 & 36):	
	7024871		2WD	
	7024854		4WD	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	Use 7022328	1	Seal, Lip	
41	7022371	1	Washer, Support	
		Ref	KIT OPTIONS:	
100	7022328	1	Seal Kit (Includes Items 6,24,26,28,32,34,35,36 and 40)	

SECTION 1 FRAME

FIGURE 1-9. DRIVE MOTOR ASSEMBLY (5 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-10. FRAME VALVES & SHIELDS INSTALLATIONS (PRIOR TO SN 0300083331)

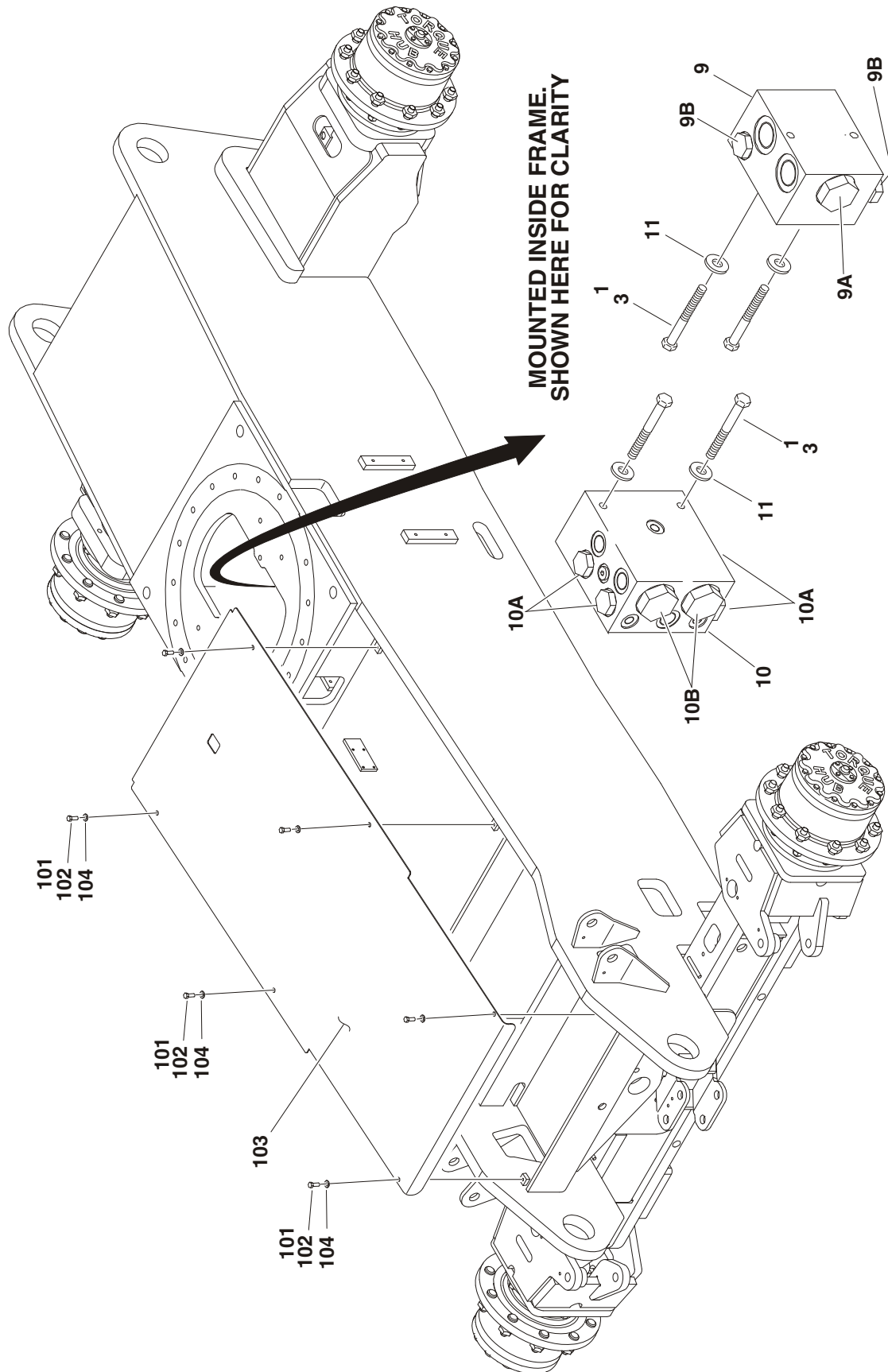


FIGURE 1-10. FRAME VALVES & SHIELDS INSTALLATIONS (PRIOR TO SN 0300083331)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	WHEEL DRIVE VALVES INSTALLATION	
	0271341	Ref	2WD	E
	0271349	Ref	4WD	E
1	0100011	AR	Compound, Locking	
2	Not Used			
3	0641628	AR	Bolt 3/8in-16NC x 3-1/2in	
4 to 8	Not Used			
9	4641209	1	Flow Divider Valve Assembly	
9A	7023933	1	Cartridge, Flow Divider	
	7021625	1	Seal Kit - 7022396 Cartridge	
9B	7022397	2	Cartridge, Check Valves	
	7022399	2	Seal Kit - 7022397 Cartridge	
10		AR	Dual Flow Divider Options:	
	Not Required	0	2WD	
	4641183	1	4WD	
10A	7012930	4	Cartridge, Check Valves	
	2900708	4	Seal Kit - 7012930 Cartridge	
10B	7023917	2	Cartridge, Flow Divider	
	7021625	2	Seal Kit - 7023917 Cartridge	
11	4751600	AR	Flatwasher 3/8in Regular	
	0271316	Ref	FRAME COVERS INSTALLATION	A
101	0100011	AR	Compound, Locking	
102	0641608	6	Bolt, 3/8in - 16NC x 1in	
103	3570686	1	Plate, Cover Front	
104	4751600	6	Flatwasher, 3/8in Regular	

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FIGURE 1-11. FRAME VALVES & SHIELDS INSTALLATIONS (SN 0300083331 TO SN 0300140000)

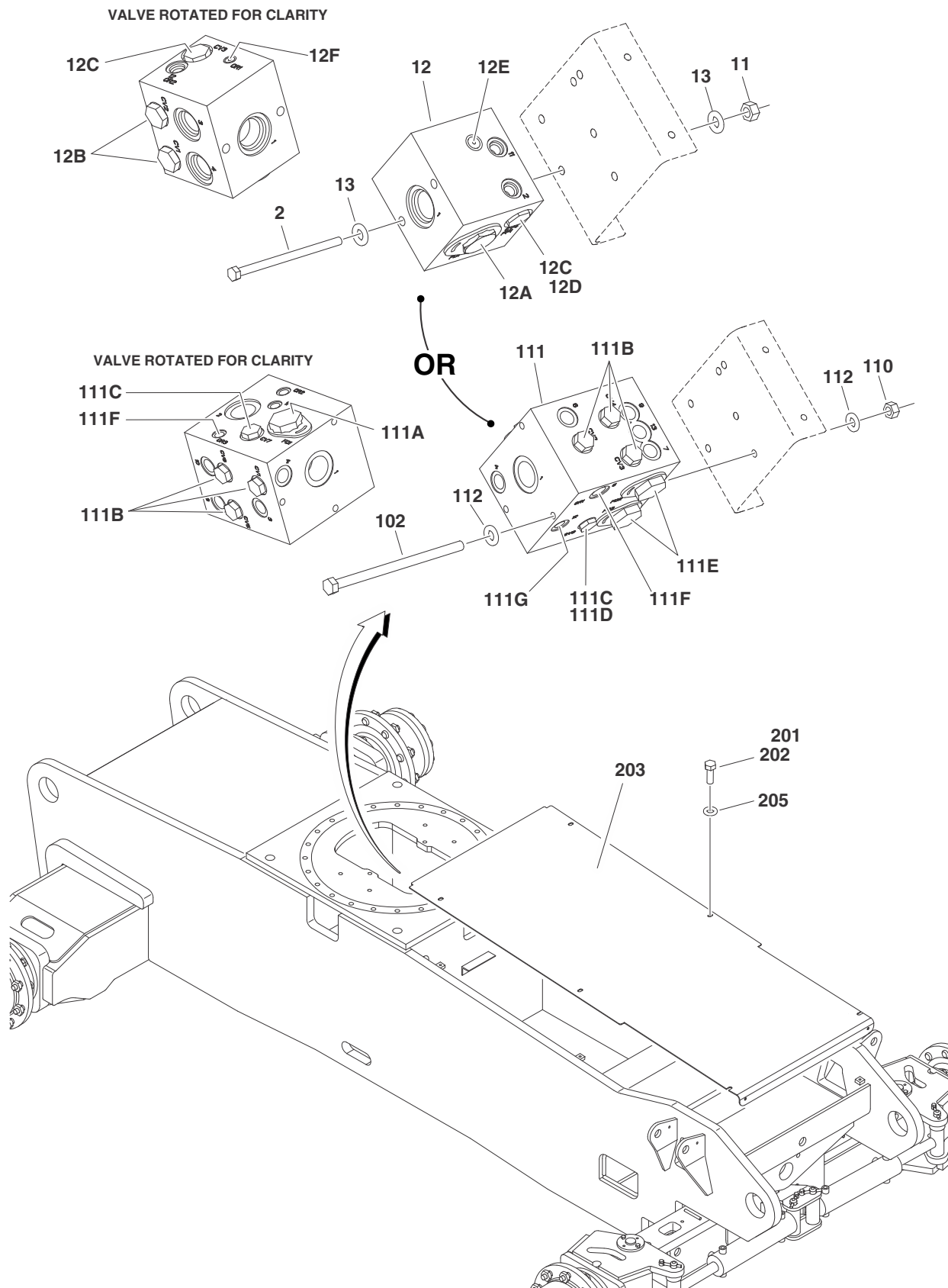


FIGURE 1-11. FRAME VALVES & SHIELDS INSTALLATIONS (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0273378	Ref	DRIVE VALVES INSTALLATION - 2WD	E
1	Not Used			
2	0641542	2	Bolt 5/16in-18NC x 5-1/4in	
3 to 10	Not Used			
11	3311505	2	Locknut 5/16in-18NC	
12		1	Flow Divider Valve Assembly Options:	
	Use 1001099870		Valve - SN 0300083331 to SN 0300139496 (was p/n 4641300)	B
	1001099870		Valve - SN 0300139496 to SN 0300140000	A
12A	7023933	1	Cartridge, Flow Divider	
	7021625	1	Seal Kit - 7023933 Cartridge	
	70000781	1	Lockdown Kit	
12B	7022397	2	Cartridge, Check	
	7022399	2	Seal Kit - 7022397 Cartridge	
12C		AR	Cartridge, Check Options:	
	7021639	2	Cartridge in 4641300 Valve	
	2900756	2	Seal Kit - 7022398 Cartridge	
	70002390	2	Cartridge in 1001099870 Valve	
	7022399	2	Seal Kit - 70002390 Cartridge	
12D	7024881	1	Piston, Pilot	
12E	7017406	1	Plug (Used on 1001099870 Valve)	
12F	7024844	1	Plug (Used on 1001099870 Valve)	
	7017492	1	Orifice (Used on 1001099870 Valve)	
13	4711500	4	Flatwasher 5/16in Thin	
	0273704	Ref	DRIVE VALVES INSTALLATION - 4WD	D
101	Not Used			
102	0641560	3	Bolt 5/16in-18NC x 7-1/2in	
103 to 109	Not Used			
110	3311505	3	Locknut 5/16in-18NC	
111	4641303	1	Flow Divider Valve Assembly	
111A	7023933	1	Cartridge, Flow Divider	
	7021625	1	Seal Kit - 7023933 Cartridge	
111B	7022397	6	Cartridge, Check	
	7022399	6	Seal Kit - 7022397 Cartridge	
111C	7021639	2	Cartridge, Check Valves	
	2900756	2	Seal Kit - 7022398 Cartridge	
111D	7024881	1	Piston, Pilot	
111E	7023917	2	Cartridge, Flow Divider	
	7021625	2	Seal Kit - 7023917 Cartridge	
111F	70003935	2	Orifice	
111G	70003936	1	Orifice	
112	4711500	6	Flatwasher 5/16in Thin	

SECTION 1 FRAME

FIGURE 1-11. FRAME VALVES & SHIELDS INSTALLATIONS (SN 0300083331 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0274267	Ref	FRAME SHIELDS INSTALLATIONS	A
201	0100011	6	Compound, Locking	
202	0641608	6	Bolt, 3/8in - 16NC x 1in	
203	3575718	1	Plate, Cover Front	
204	Not Used			
205	4751600	6	Flatwasher 3/8in Regular	

SECTION 1 FRAME

FIGURE 1-11. FRAME VALVES & SHIELDS INSTALLATIONS (SN 0300083331 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 1 FRAME

FIGURE 1-12. TOW PACKAGE INSTALLATION

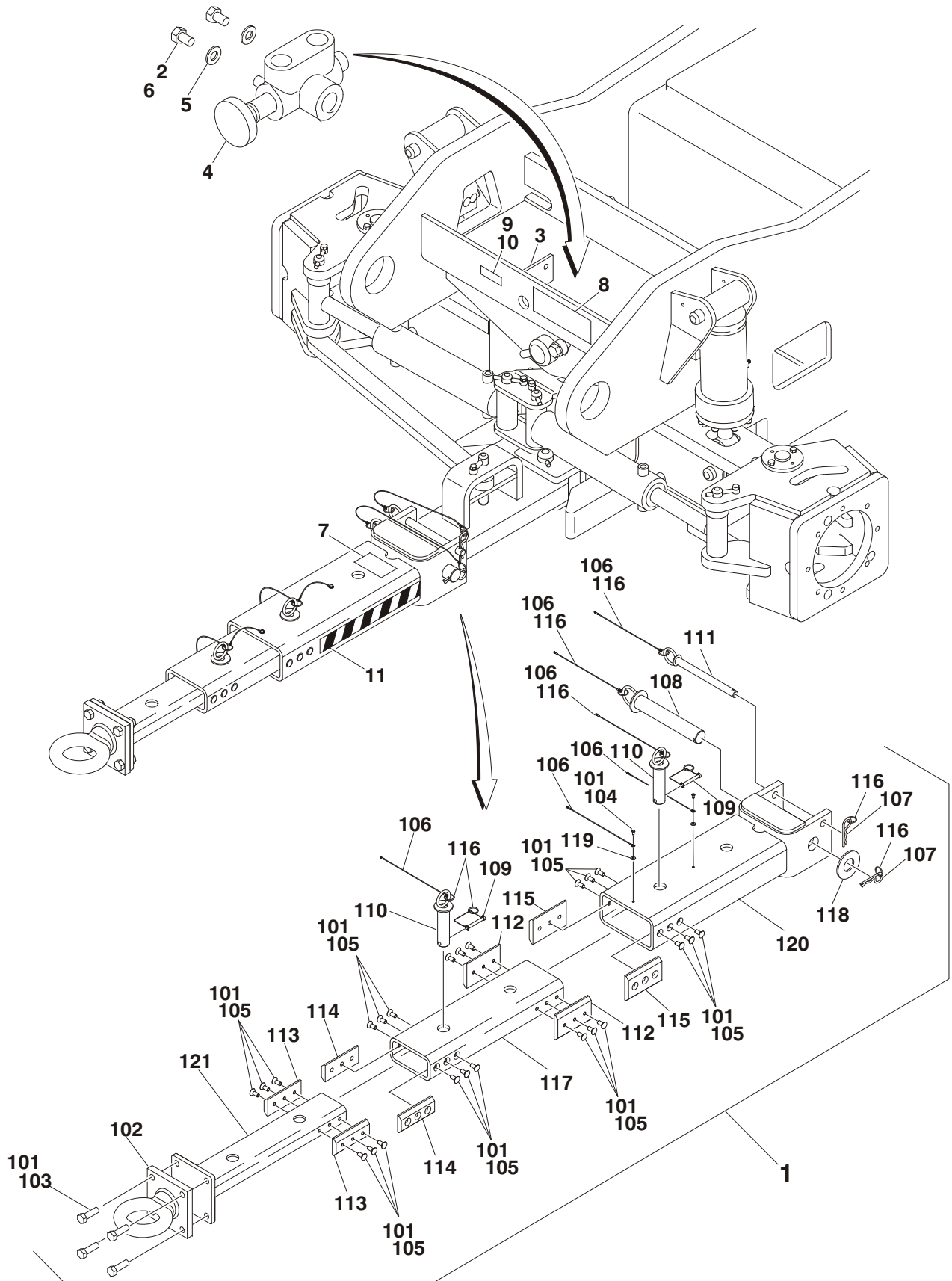


FIGURE 1-12. TOW PACKAGE INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0271354	Ref	TOW BAR INSTALLATION	E
1	0250528	1	Tow Bar Assembly (See Items 101-121 for Breakdown)	
2	0641504	2	Bolt 5/16in-18NC x 1/2in	
3	3539662	1	Plate, Valve Mounting	
4	4640261	1	Valve, Select	
5	4711500	2	Flatwasher 5/16in Thin	
6	0100011	AR	Compound, Locking	
7	1704578	2	Decal - Crushing	
8	1705090	1	Decal - Towing Instructions	
9	3250872	1	Nameplate - Steer/Tow Select Valve	
10	3820001	4	Rivet	
11	4420051	AR	Tape, Safety	
	0270528	Ref	TOW BAR ASSEMBLY	A
101	0100011	AR	Compound, Locking	
102	0362910	1	Pintle, Draw Eye	
103	0642010	4	Bolt 5/8in-11NC x 1-1/4in	
104	0721004	2	Screw, Hex Machine	
105	0741607	24	Screw, Countersunk 3/8in-16NC x 7/8in	
106	1060584	6	Cable, Lanyard	
107	3420372	2	Pin, Cotter	
108	3420447	1	Pin, Towing	
109	3421565	2	Pin, Snap	
110	3422841	2	Pin	
111	3422847	1	Pin	
112	3572009	2	Plate, Slide Stop	
113	3572010	2	Plate, Slide Stop	
114	3572011	2	Plate, Slide Stop	
115	3572012	2	Plate, Slide Stop	
116	3760170	8	Ring, Split	
117	4568133	1	Tube, Tow Bar	
118	4740036	1	Flatwasher	
119	4751000	2	Flatwasher #10 Regular	
120	4846295	1	Tow Bar Attach Weldment	
121	4846296	1	Pintle Attach Weldment	

SECTION 1 FRAME

FIGURE 1-12. TOW PACKAGE INSTALLATION (CONTINUED)

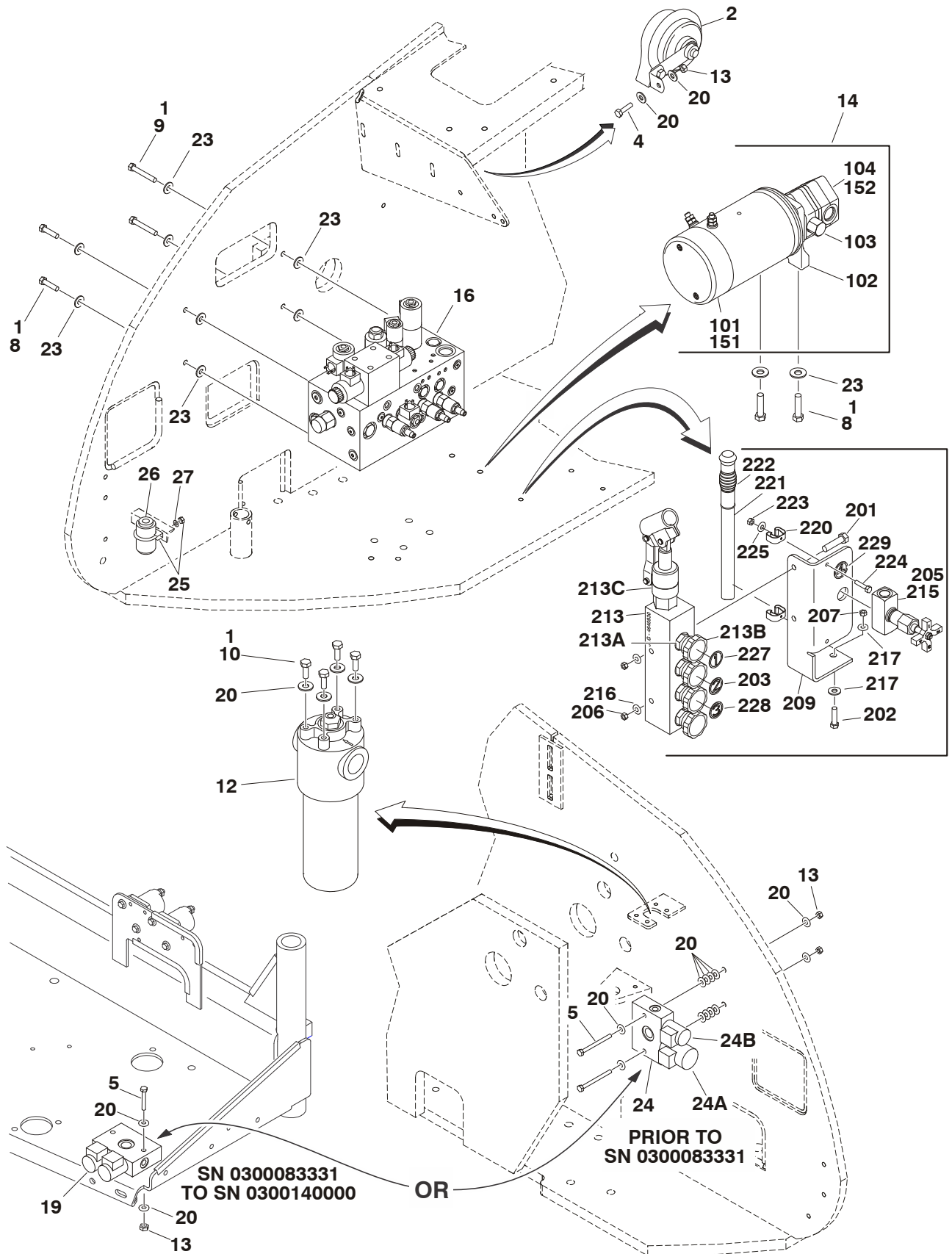
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2

TURNTABLE

SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS



SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	VALVES INSTALLATIONS	
	0270901	Ref	800S Prior to SN 0300083331	G
	0274173	Ref	800S SN 0300083331 to SN 0300087262	B
	0274644	Ref	800S SN 0300087262 to SN 0300140000	D
	0270902	Ref	860SJ Prior to SN 0300083331	F
	0274174	Ref	860SJ SN 0300083331 to SN 0300087262	B
	0274645	Ref	860SJ SN 0300087262 to SN 0300140000	D
1	0100011	AR	Compound, Locking	
2	0140001	1	Horn	
3	Not Used			
4	0641408	1	Bolt 1/4in-20NC x 1in	
5		2	Bolt Options:	
	0641424		Bolt 1/4in-20NC x 3in (Prior to SN 0300083331)	
	0641418		Bolt 1/4in-20NC x 2-1/4in (800S SN 0300083331 to SN 0300140000)	
	0641416		Bolt 1/4in-20NC x 2in (860SJ SN 0300083331 to SN 0300117224)	
	0641418		Bolt 1/4in-20NC x 2-1/4in (860SJ SN 0300117224 to SN 0300140000)	
6 to 7	Not Used			
8	0641612	4	Bolt 3/8in-16NC x 1-1/2in	
9		2	Bolt Options:	
	0641620		Bolt 3/8in-16NC x 2-1/2in (Prior to SN 0300087262)	
	0641612		Bolt 3/8in-16NC x 1-1/2in (SN 0300087262 to SN 0300140000)	
10	0651406	AR	Bolt 1/4in-28NF x 3/4in	
11	Not Used			
12		AR	Hydraulic Pressure Filter Assembly Options:	
	2120163	1	Pressure Filter (Prior to SN 0300087262)	
	2120150	1	Element - p/n 2120163	
	7020020	1	Indicator, Clog - p/n 2120163	
	7023206	1	O-Ring - p/n 2120163	
	7023207	1	Ring, Back-up - p/n 2120163	
	2120209	1	Pressure Filter (SN 0300087262 to SN 0300140000)	
	2120210	1	Element, Filter - p/n 2120209	
	7020020	1	Manual Indicator - p/n 2120209	
	70000934	1	O-Ring Filter Bowl - p/n 2120209	
13	3311405	3	Locknut 1/4in-20NC	
14		1	Auxiliary Pump Assembly Options:	
	Use 3600424	1	Prior to SN 0300103854 (was p/n 3600342 - See Items 101-105 for Breakdown)	
	3600424	1	SN 0300103854 to SN 0300140000 (See Items 151-152 for Breakdown)	
15	Not Used			
16		1	Main Control Valve Assembly Options (See MAIN CONTROL VALVE ASSEMBLY for Breakdown):	
	4641184		Prior to SN 0300089328	
	4641432		SN 0300089328 to SN 0300140000	
17 to 18	Not Used			

SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
19	4641317	1	Dual Select Valve Assembly	C
	7012944	2	Coil	
	7012941	2	Cartridge Less Coil	
	7010543	2	Seal Kit - 7012941 Valve (1 Per Cartridge)	
20	4711400	AR	Flatwasher 1/4in Thin	
	4751400	AR	Flatwasher 1/4in Regular	
21 to 22	Not Used			
23	4751600	10	Flatwasher 3/8in Regular	B
24	4641108	1	Dual Select Valve Assembly (Prior to SN 0300083331)	
24A	7012943	1	Coil	
	7012995	1	Cartridge Less Coil	
	7012518	1	Seal Kit - 7012995 Valve	
24B	7012944	1	Coil	
	7012974	1	Cartridge Less Coil	
	7010543	1	Seal Kit - 7012974 Valve	
25	1320019	1	Clamp (Prior to SN 0300069206)	
26	2120182	1	Filter, High Pressure (Prior to SN 0300069206)	
	7024373	1	Element	
27	4751500	2	Flatwasher 5/16in Regular (Prior to SN 0300069206)	
	3600342	Ref	AUXILIARY PUMP ASSEMBLY) (FENNER FLUID POWER BRAND) (PRIOR TO SN 0300103854)	
101	7022207	1	Motor	
	7013753	1	Brush Kit	
102	7016769	1	Bracket, Motor/Pump	
	7013711	1	Coupling	
103	7013715	1	Ball	
	7022227	1	Spring	
	7022228	1	Screw, Valve Adjustment	
	7022230	1	Cap	
104	7022215	1	Pump	
	7013716	1	Seal, Shaft	
105	7022231	1	Ball & Spring Assembly (Not Shown - Located on far side of pump)	
	7022229		Plug	
	3600424	Ref	AUXILIARY PUMP ASSEMBLY (HALDEX BRAND) (SN 0300103854 TO SN 0300140000)	B
151	70001056	1	Motor Kit	
	7011062	1	Bracket, Motor/Pump	
	7011016	1	Coupling	
	7029592	2	Setscrew	
152	7029593	1	Pump Kit	
	7011016	1	Coupling	
	7011044	1	Gasket	
	7011048	4	Flatwasher	
	7011043	4	Screw	

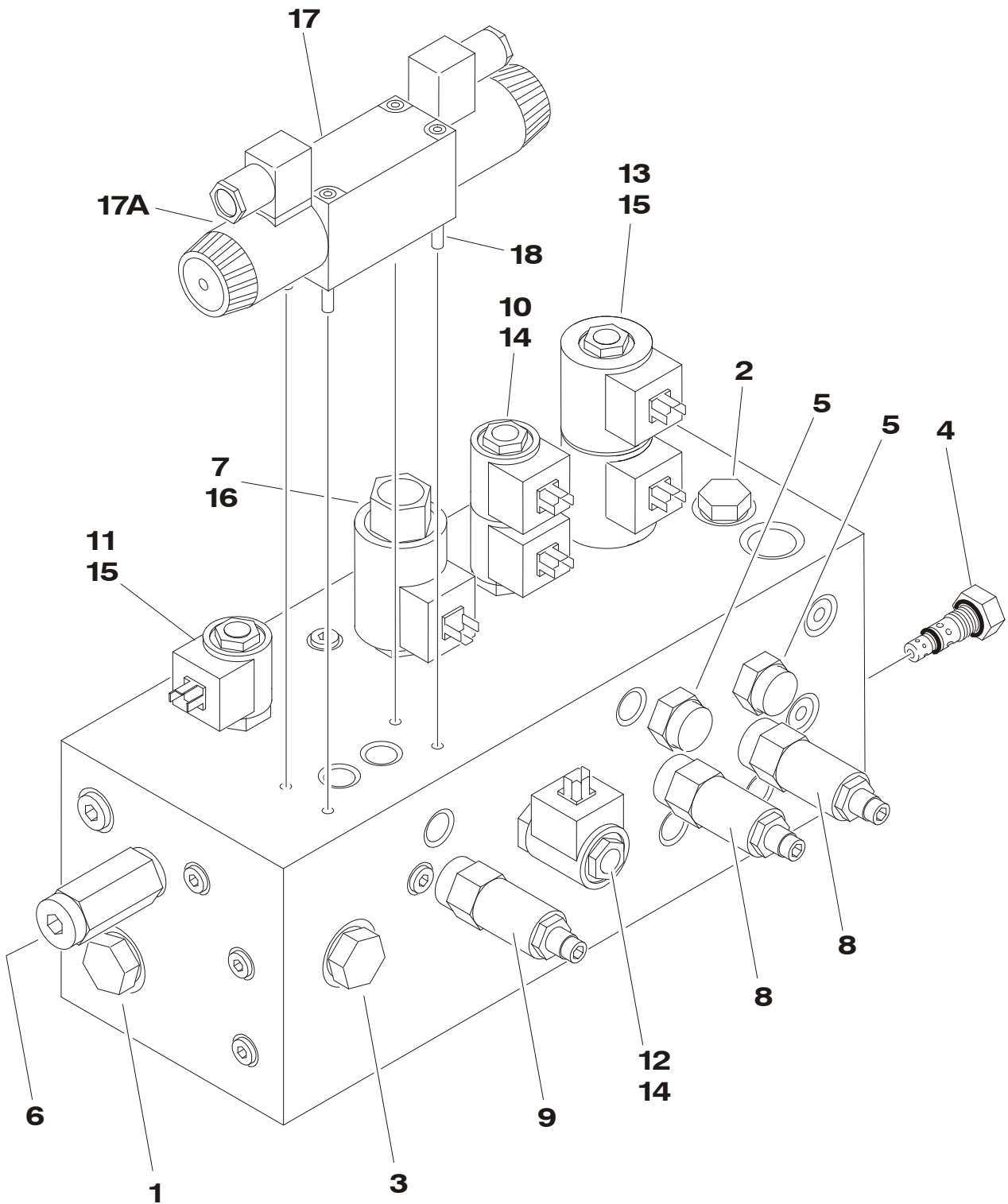
SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0272750	Ref	MANUAL DESCENT INSTALLATION (OPTIONAL) (SN 0300068651 TO SN 0300140000)	A
201	0641420	2	Bolt 1/4in-20NC x 2-1/2in	
202	0641514	2	Bolt 5/16in-18NC x 1-3/4in	
203	1702927	1	Decal - #2	
204	1705589	1	Decal - Manual Descent (Not Shown - Located on Hydraulic Tank)	
205	2900062	1	Kit, Valve Mounting	
206	3311405	2	Locknut 1/4in-20NC	
207	3311505	2	Locknut 5/16in-18NC	
208	Not Used			
209	3574179	1	Plate, Valve Mounting	
210 to 212	Not Used			
213	4640930	1	Manifold, Manual Descent Assembly	
213A		AR	Cartridge, Needle Options:	
	Use 4640902	4	Cartridge, Needle (was p/n 7012954) (Original Equipment)	
	7012953	4	Seal, Kit - 7012954 Cartridge	
	4640902	4	Cartridge, Needle (Service Replacement)	
	7012953	4	Seal, Kit - 4640902 Cartridge	
213B	7012961	4	Knob	
213C		AR	Cartridge, Pump Options:	
	Use 70004019	1	Cartridge, Pump (was p/n 7012694) (Original Equipment)	
	7012699	1	Seal, Kit - 7012694 Cartridge	
	70004019	1	Cartridge, Pump (Service Replacement)	
	2900756	1	Seal, Kit - 70004019 Cartridge	
214	Not Used			
215	4641263	1	Valve, Metering	
216	4751400	2	Flatwasher 1/4in Regular	
217	4751500	4	Flatwasher 5/16in Regular	
218 to 219	Not Used			
220	1380136	2	Clip, Gripper	
221	2560122	1	Handle	
222	2560123	1	Handle, Grip	
223	3311005	2	Locknut #10-24NC	
224	3911008	2	Screw	
225	4751000	2	Flatwasher #10 Regular	
226	1702901	1	Decal - Manual Descent (Not Shown - Located on hood)	
227	1702903	1	Decal - #1	
228	1702924	1	Decal - #3	
229	1702925	1	Decal - #4	

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FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY



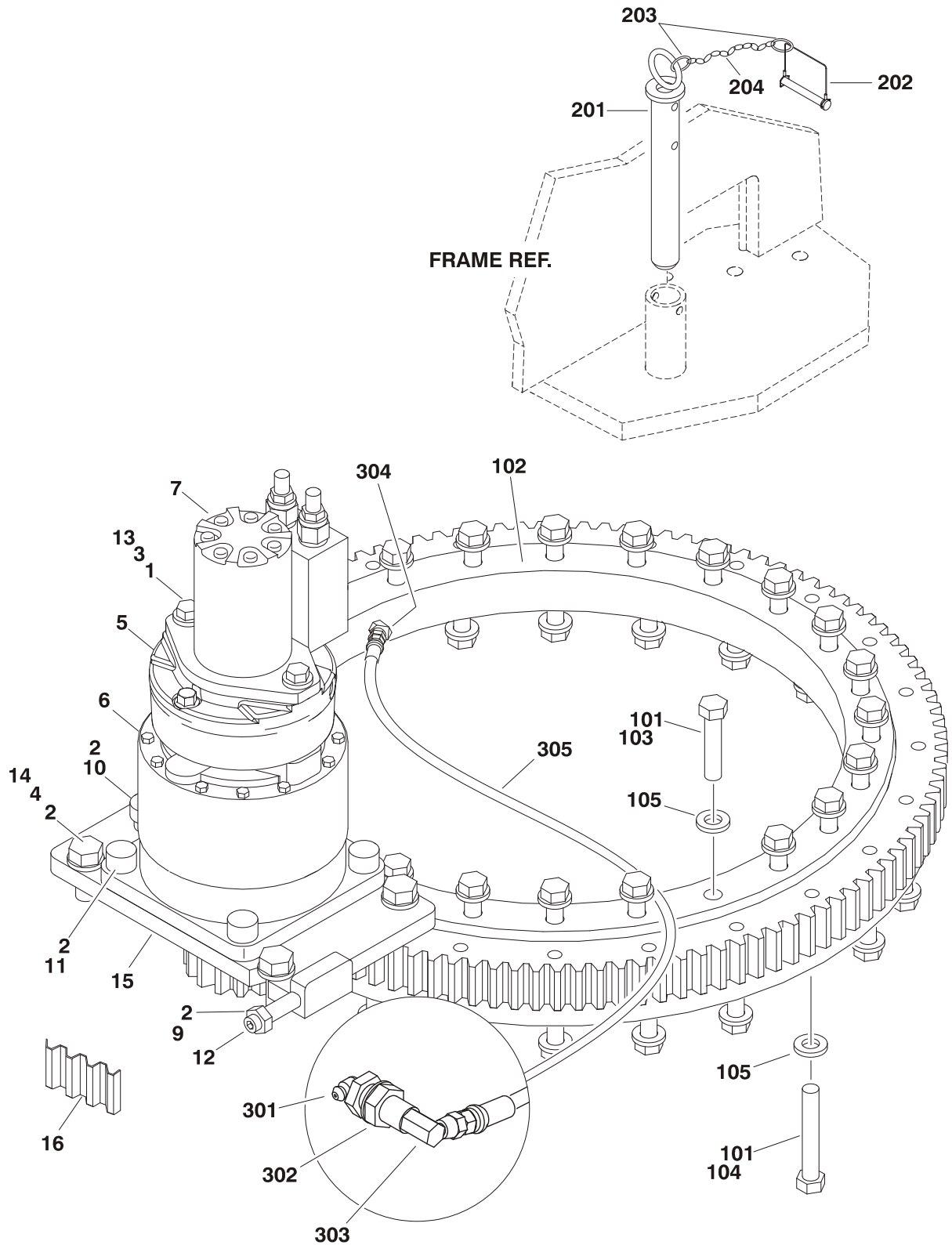
SECTION 2 TURNTABLE

FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	MAIN CONTROL VALVE ASSEMBLY	
	4641184	Ref	Prior to SN 0300089328	D
	4641432	Ref	SN 0300089328 to SN 0300140000	A
1	7023918	1	Cartridge, Check Valve	
	7023919	1	Seal Kit - 7023918 Cartridge	
2	7012975	1	Cartridge, Check Valve	
	Use 7012967	1	Seal Kit - 7012975 Cartridge (was p/n 7012540)	
3	7023985	1	Cartridge, Check Valve	
	7017496	1	Seal Kit - 7023985 Cartridge	
4	7023986	1	Cartridge, Flow Regulator (Steer)	
	7010545	1	Seal Kit - 7023986 Cartridge	
5	Use 10837580	2	Cartridge, Load Sensing (Steer & Swing) (was p/n 7010542)	
	7010543	2	Seal Kit - 7010542 Cartridge	
6	7023987	1	Cartridge, Pilot	
	7012942	1	Seal Kit - 7023987 Cartridge	
7	7023921	1	Cartridge, Proportional Flow (Tele)	
	7012925	1	Seal Kit - 7023921 Cartridge	
8	7017422	2	Cartridge, Relief Valve (Steer & Swing)	
	7012998	2	Seal Kit - 7017422 Cartridge	
9	7017489	1	Cartridge, Relief Valve (Tele Out Relief)	
	7012998	1	Seal Kit - 7017489 Cartridge	
10	7023922	1	Cartridge, Solenoid (Swing)	
	7017402	1	Seal Kit - 7023922 Cartridge	
11	7023923	1	Cartridge, Solenoid (Main Dump)	
	7023919	1	Seal Kit - 7023923 Cartridge	
12	7021612	1	Cartridge, Solenoid (Lift Up Dump)	
	Use 7010543	1	Seal Kit - 7021612 Cartridge (was p/n 7012907)	
13	7023925	1	Cartridge, Solenoid (Steer Direction)	
	7012903	1	Seal Kit - 7023925 Cartridge	
14	7012944	3	Coil	
15	7012943	3	Coil	
16	7017451	1	Coil	
17		1	Control Valve Assembly Options (Tele Direction):	
	Use 70000579		Prior to SN 0300089328 (was p/n 7012766)	
	70000579		SN 0300089328 to SN 0300140000	
		Ref	Note: Refer to Vendor P/N on Valve Nameplate before ordering Parts. P/N 7012766 is RR00567495 or R900567495. P/N 70000579 is R900930080.	
		1	Seal Kit Options:	
	7012769		7012766 Valve	
	70000583		70000579 Valve	
17A		1	Coil Options:	
	7012772		7012766 Valve (was p/n 7012768)	
	70000582		70000579 Valve	
		1	Nut, Coil Options:	
	7018912		7012766 Valve	
	70000580		70000579 Valve	
18	See Note	4	Capscrew (Note: Not Available for Purchase.)	

SECTION 2 TURNTABLE

FIGURE 2-3. TURNTABLE AND SWING DRIVE INSTALLATION



SECTION 2 TURNTABLE

FIGURE 2-3. TURNTABLE AND SWING DRIVE INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TURNTABLE WELDMENT	
	4620130		800S	
	4620131		860SJ	
		Ref	SWING DRIVE INSTALLATION OPTIONS:	
	0271013	Ref	PRIOR TO SN 0300066417	E
	0272188	Ref	SN 0300066417 TO SN 0300134352	E
	1001094899	Ref	SN 0300134352 TO SN 0300140000	B
1	0100011	AR	Compound, Locking (Prior to SN 0300074382)	
2	0100019	AR	Compound, Locking	
3	0681832	2	Bolt 1/2in - 13NC x 4in (Grade 8) (Prior to SN 0300066417)	
4		4	Bolt Options:	
	0682214		Bolt 3/4in-10NC x 1 3/4in (Grade 8) (Prior to SN 0300077735)	
	0682216		Bolt 3/4in-10NC x 2in (Grade 8) (SN 0300077735 to SN 0300140000)	
5	Use 0920119	2	Drive Brake Assembly (was p/n 0920117)	
	7018612	1	Repair Kit - 0920117 Brake	
	7000731	2	Gasket (Between Components)	
6	2780205	1	Swing Hub Assembly (See SWING HUB ASSEMBLY for Breakdown) (Prior to SN 0300066417)	
7		1	Swing Motor Assembly Options (See SWING MOTOR ASSEMBLY for Breakdown):	
	3160280		Swing Motor Assembly (Prior to SN 0300066417)	
	3160286		Swing Motor/Swing Hub Assembly (SN 0300066417 to SN 0300074382)	
	3160294		Swing Motor/Swing Hub Assembly (SN 0300074382 to SN 0300134352)	
	1001101060		Swing Motor/Swing Hub Assembly SN 0300134352 to SN 0300140000	
8	Not Used			
9	3312002	1	Nut, Jam 3/4in-10NC	
10	3900293	1	Bolt, Shoulder	
11	3932224	4	Bolt 1/2in - 13NC x 1-1/2in (Prior to SN 0300074382)	
12	3952020	2	Setscrew 5/8in-11NC x 2-1/2in	
13	4891800	2	Flatwasher 1/2in Hardened	
14		4	Flatwasher 3/4in Hardened Options::	
	4892200		Prior to SN 0300066417	
	4740057		SN 0300066417 to SN 0300140000	
15	4846430	1	Plate, Mounting (Prior to SN 0300074382)	
16	4071009	1	Shim	
	0271002	Ref	SWING BEARING INSTALLATION	E
101	0100019	AR	Compound, Locking	
102	0440244	1	Bearing, Turntable	
103	0682023	24	Bolt 5/8in - 11NC x 2-7/8in (Grade 8)	
104	0682032	24	Bolt 5/8in - 11NC x 4in (Grade 8)	
105	4892000	48	Flatwasher 5/8in Hardened	

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FIGURE 2-3. TURNTABLE AND SWING DRIVE INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0259147	Ref	TURNTABLE LOCK INSTALLATION	B
201	4844958	1	Pin	
202	3421565	1	Pin, Snap	
203	3760170	2	Ring, Quick Release	
204	1260017	9in/23cm	Chain	
	0271496	Ref	REMOTE BEARING LUBE INSTALLATION	B
301	2160001	1	Fitting, Grease	
302	2180344	1	Fitting, Bulkhead	
303	2220063	1	Fitting, Elbow	
304	2220124	1	Fitting, Elbow (Prior to SN 0300111097)	
305	2751032	1	Hose, Grease	

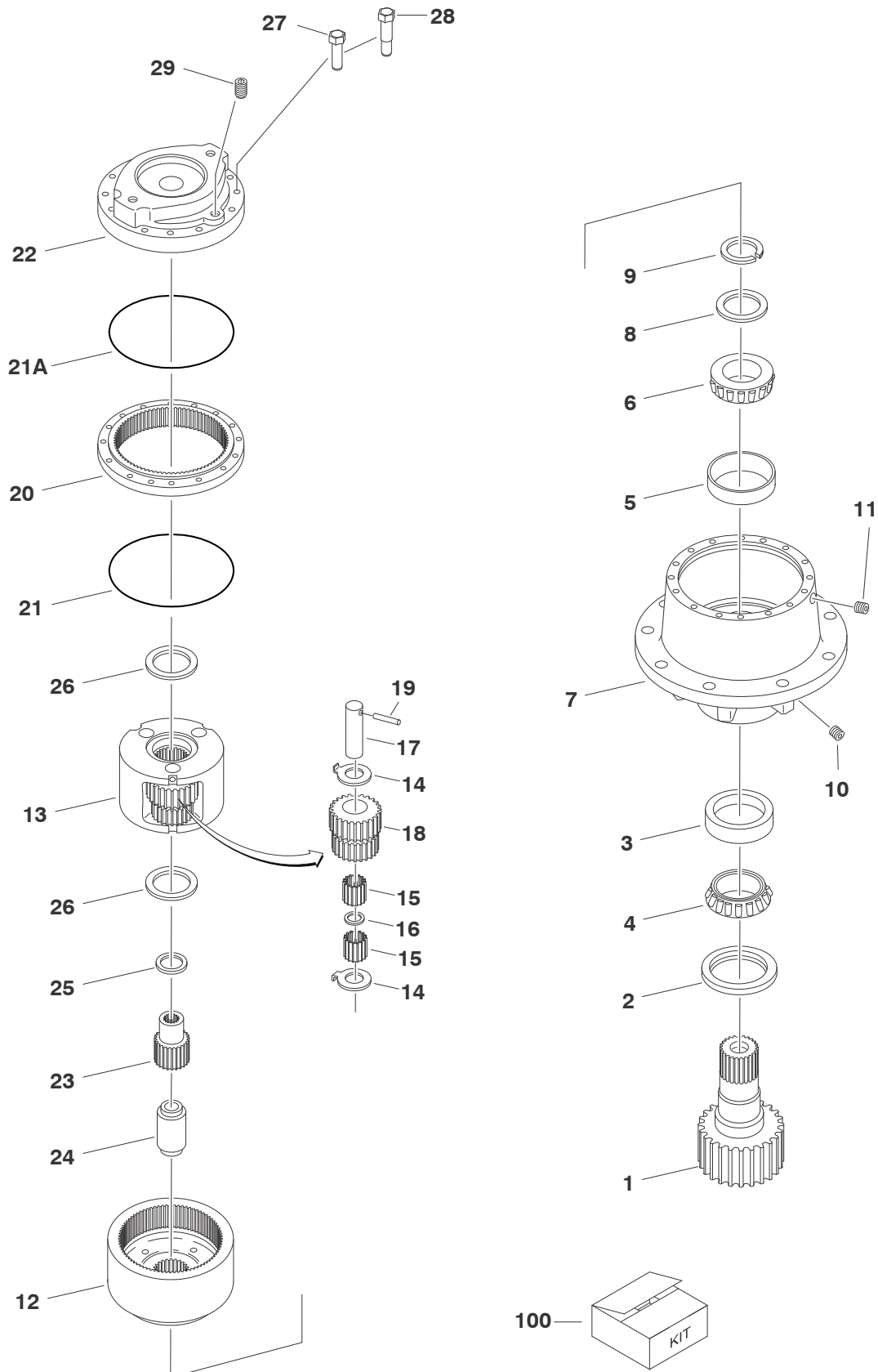
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FIGURE 2-3. TURNTABLE AND SWING DRIVE INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-4. SWING HUB ASSEMBLY (PRIOR TO SN 0300066417)



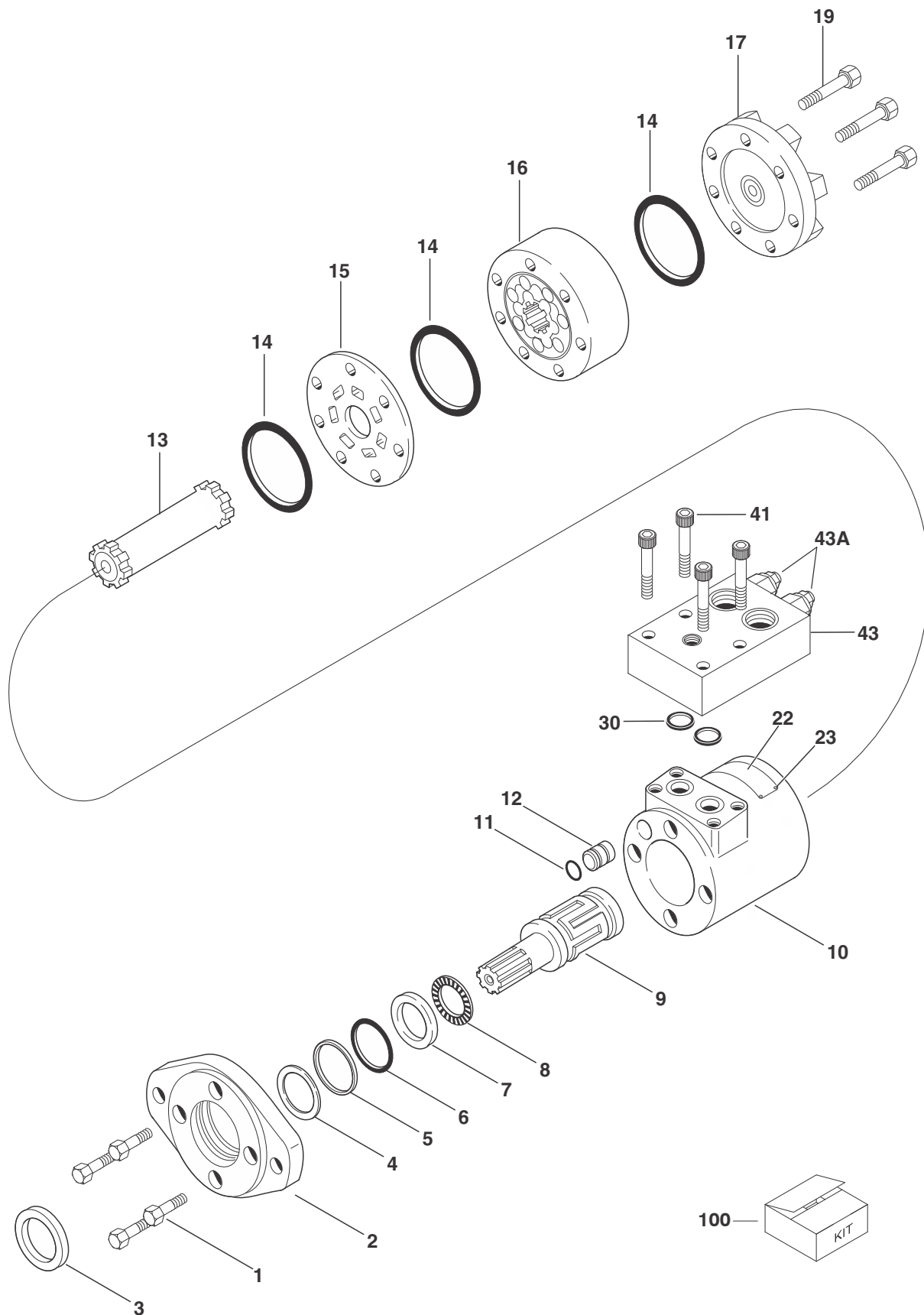
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FIGURE 2-4. SWING HUB ASSEMBLY (PRIOR TO SN 0300066417)

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, In O-Ring	
		1	CARRIER ASSEMBLY	
13	7001931	1	Carrier	
14	7001985	6	Thrustwasher, Tanged	
15	7001909	96	Bearing, Needle	
16	7000263	3	Spacer, Thrust	
17	7001911	3	Shaft, Planet	
18	7001987	3	Gear, Cluster	
19	7010474	3	Rollpin	
20	7001988	1	Ring Gear	
21	7000230	1	O-Ring (Black)	
21A	7017070	1	O-Ring (White)	
22	7000209	1	Cover, Input	
23	7010488	1	Gear, Sun	
24	7000269	1	Spacer, Input	
25	7000270	1	Thrustwasher	
26	7000253	2	Thrustwasher	
27	7000217	8	Bolt	
28	7000214	4	Bolt, Shoulder	
29	2200222	1	Pipe, Plug	
		Ref	KIT OPTIONS:	
100	7024100	1	Kit, Seal (Includes Items 2, 9, 21, 21A & 26)	

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FIGURE 2-5. SWING MOTOR ASSEMBLY (PRIOR TO SN 0300066417)



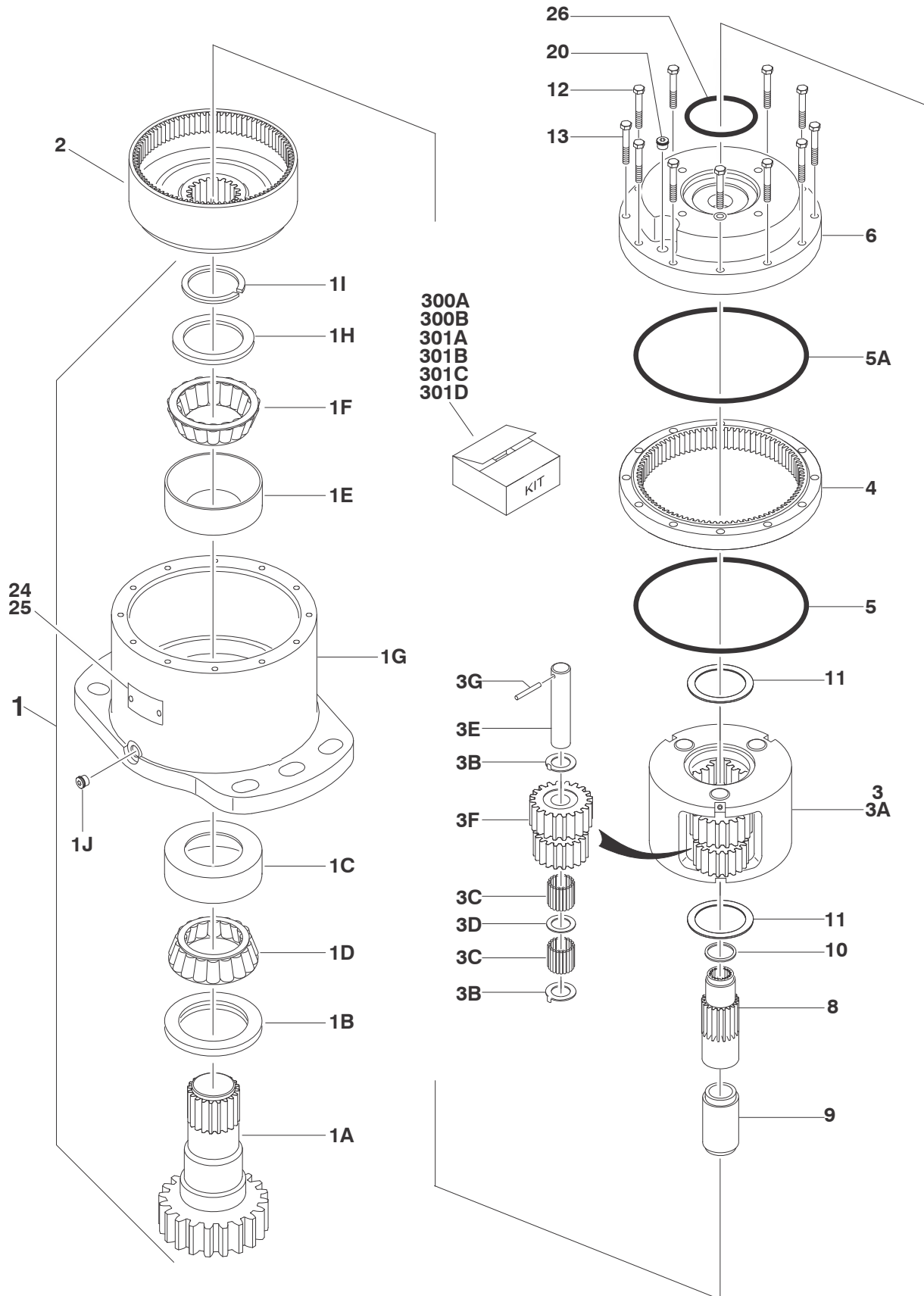
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FIGURE 2-5. SWING MOTOR ASSEMBLY (PRIOR TO SN 0300066417)

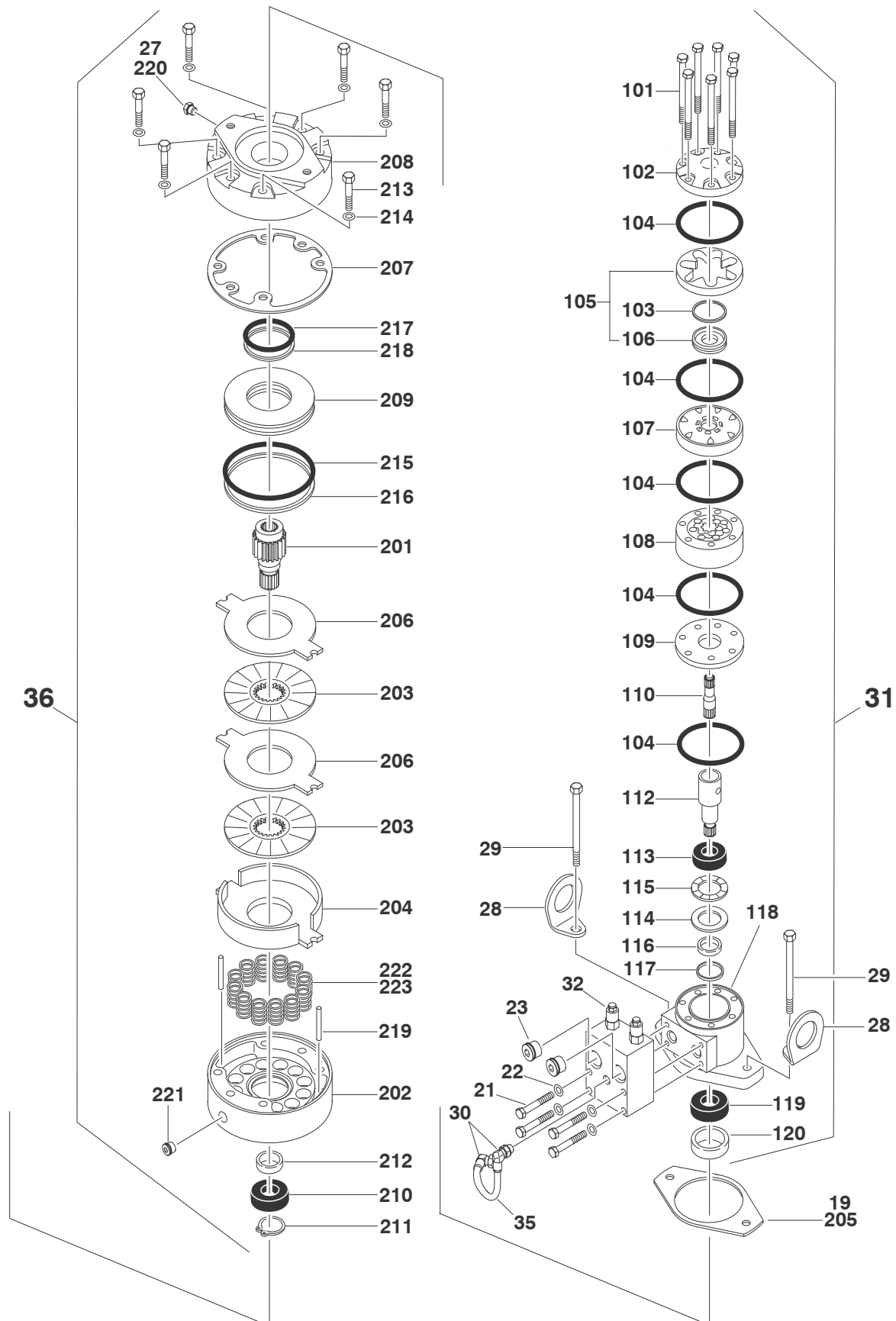
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160280	Ref	SWING MOTOR ASSEMBLY	B
1	7020357	4	Capscrew	
2	7009996	1	Flange, Mounting	
3	Use 2900733	1	Seal, Exclusion	
4	Use 2900733	1	Washer, Backup	
5	Use 2900733	1	Seal, Pressure	
6	Use 2900733	1	Seal	
7	7002117	1	Race, Bearing	
8	7002111	1	Bearing, Thrust Needle	
9	7009998	1	Shaft, Output	
10	7020352	1	Housing	
11	Use 2900733	1	O-Ring	
12	7009992	1	Plug, Housing	
13	7002112	1	Drive	
14	Use 2900733	3	Seal	
15	7002110	1	Plate, Spacer	
16	7002125	1	Gerotor Sub-Assembly	
17	7002107	1	Cap, End	
18	Not Used			
19	7014900	7	Capscrew	
20 to 21	Not Used			
22	See Note	1	Nameplate (Note: Not Available for Purchase.)	
23	See Note	2	Rivet (Note: Not Available for Purchase.)	
24 to 29	Not Used			
30	Use 2900733	2	O-Ring	
31 to 40	Not Used			
41	7020353	4	Capscrew	
42	Not Used			
43	7020359	1	Cartridge, Counterbalance Valve	
43A	7020362	2	Cartridge	
	7020363	2	O-Ring for 7020362 Cartridge	
		Ref	KIT OPTIONS:	
100	2900733	1	Seal Kit - Includes Items 3-6,11,14 & 30	

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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300066417 TO SN 0300134352)



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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300066417 TO SN 0300134352)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SWING MOTOR/HUB ASSEMBLIES	
	3160286	Ref	SN 0300066417 to SN 0300074382	B
	3160294	Ref	SN 0300074382 to SN 0300134352	B
1	See Note	1	Housing/Shaft Assembly (Note: Not Available - Purchase Individual Components.)	
1A	7010492	1	Shaft, Out put	
1B	7000228	1	Seal, Lip	
1C	7000255	1	Cup, Bearing	
1D	Use 7000255	1	Cone, Bearing (was p/n 7000256)	
1E	7000257	1	Cup, Bearing	
1F	Use 7000257	1	Cone, Bearing (was p/n 7000258)	
1G	7017089	1	Housing	
1H	7007633	1	Thrustwasher	
1I	7000229	1	Ring, Retaining	
1J	7001928	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	80424002	1	Carrier Assembly	
3A	7001931	1	Carrier	
3B	7001985	6	Washer, Tanged	
3C	7001909	84	Bearing, Needle	
3D	7000263	3	Thrustwasher	
3E	7001911	3	Shaft, Planet	
3F	7001912	3	Gear, Cluster	
3G	7010474	3	Rollpin	
4	7000248	1	Gear, Ring	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	7000209	1	Cover, Input	
7	Not Used			
8	7010461	1	Gear, Sun	
9	7000269	1	Spacer, Input	
10	7000270	1	Thrustwasher	
11	7000253	2	Thrustwasher	
12	7000217	8	Bolt 3/8in-16NC x 2-1/4in (Grade 8)	
13	7000214	4	Bolt, Shoulder 3/8in-16NC x 1-7/8in (Grade 8)	
14 to 18	Not Used			
19	7024703	1	Gasket	
20	2200222	1	Plug, Pipe	
21	7024704	4	Bolt 5/16in-18NC x 2in (Grade 8)	
22	See Note	4	Lockwasher (Note: Not Available for Purchase.)	
23	7017023	2	Plug, Pipe	
24	See Note	1	Plate, ID (Note: Not Available for Purchase.)	
25	7000281	2	Screw, Drive	
26	7024705	1	O-Ring	
27	7017082	1	Plug, Pipe	
28	See Note	2	Lug, Lifting (Note: Not Available for Purchase.)	
29	7024185	2	Bolt 1/2in-13NC x 5in (Grade 8)	
30	7017085	2	Elbow	

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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300066417 TO SN 0300134352)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
31	7024707	1	Motor Assembly (See Items 101-120 for Breakdown)	
32	7024784	1	Valve Assembly - Complete (No Serviceable Parts)	
33 to 34	Not Used			
35	7024706	1	Tube	
36	7024702	1	Brake Assembly (See Items 201-223 for Breakdown)	
	7024707	Ref	MOTOR ASSEMBLY	
101	7024454	5	Bolt	
102	7024459	1	Cover, End	
103	Use 7024389	1	Seal, Commutator	
104	Use 7024389	5	Seal, Ring	
105	7024453	1	Commutator and Ring Assembly	
106	Use 7024453	1	Ring	
107	7024379	1	Manifold	
108	7024455	1	Rotor Set	
109	7024380	1	Plate, Wear	
110	7024456	1	Link, Drive	
111	Not Used			
112	7024458	1	Shaft, Coupling	
113	7004042	1	Bearing, Inner	
114	7004043	1	Thrustwasher	
115	7004044	1	Bearing, Thrust	
116	Use 7024389	1	Seal, Inner	
117	Use 7024389	1	Washer, Back-up	
118	7024457	1	Housing	
119	Use 80424042	1	Bearing, Outer (was p/n 7004046)	
120	Use 7024389	1	Seal	
	7024702	Ref	BRAKE ASSEMBLY	
201	7024189	1	Shaft	
202	Use 7024702	1	Housing (Note: Not Available for Purchase.)	
203	Use 7024193	2	Plate, Friction	
204	Use 7024193	1	Plate, Pressure	
205	Use 7024194	1	Gasket	
206	Use 7024193	2	Plate, Outer	
207	See Note	1	Gasket (Note: Use Items 300B, 301C or 301D)	
208	7024191	1	Cylinder	
209	7024192	1	Piston	
210	Use 7024197	1	Bearing, Ball	
211	Use 7024197	1	Ring, Retaining	
212	Use 7024197	1	Seal, Shaft	
213	See Note	6	Capscrew (Note: Not Available for Purchase.)	
214	See Note	6	Lockwasher (Note: Not Available for Purchase.)	
215	Use 7024194	1	O-Ring	
216	Use 7024194	1	Ring, Back-up	
217	Use 7024194	1	O-Ring	
218	Use 7024194	1	Ring, Back-up	

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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300066417 TO SN 0300134352)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
219	7024190	2	Pin, Dowel	
220	See Note	1	Plug (Note: Not Available - Purchase Locally.)	
221	See Note	1	Plug (Note: Not Available - Purchase Locally.)	
222	Use 7024196	AR	Spring (Natural)	
223	Use 7024196	AR	Spring, (Blue)	
		Ref	KIT OPTIONS:	
300		AR	Seal Kit Options:	
300A	Use 7024389	1	Seal Kit - 7024707 Motor (Includes Items 103, 104, 116, 117 & 120) (was p/n 7024396)	
300B	7024194	1	Seal Kit - 7024702 Brake (Includes Items 205, 207 & 215-218)	
301		AR	Repair kit Options:	
301A	Use 7024196	1	Spring Kit - 7024182 Brake (Includes 12 Natural Colored Springs) (was p/n 7024195) Note: Spring Kit no Longer Available, Purchase Kit p/n 7024196.	
301B	7024196	1	Spring Kit - 7024182 Brake (Includes 12 Natural & 2 Blue Colored Springs)	
301C	7024193	1	Friction Disc Kit - 7024702 Brake (Includes Items 203, 204, 206 & 207)	
301D	7024197	1	Bearing Kit - 7024702 Brake (Includes Items 207 & 210-212)	

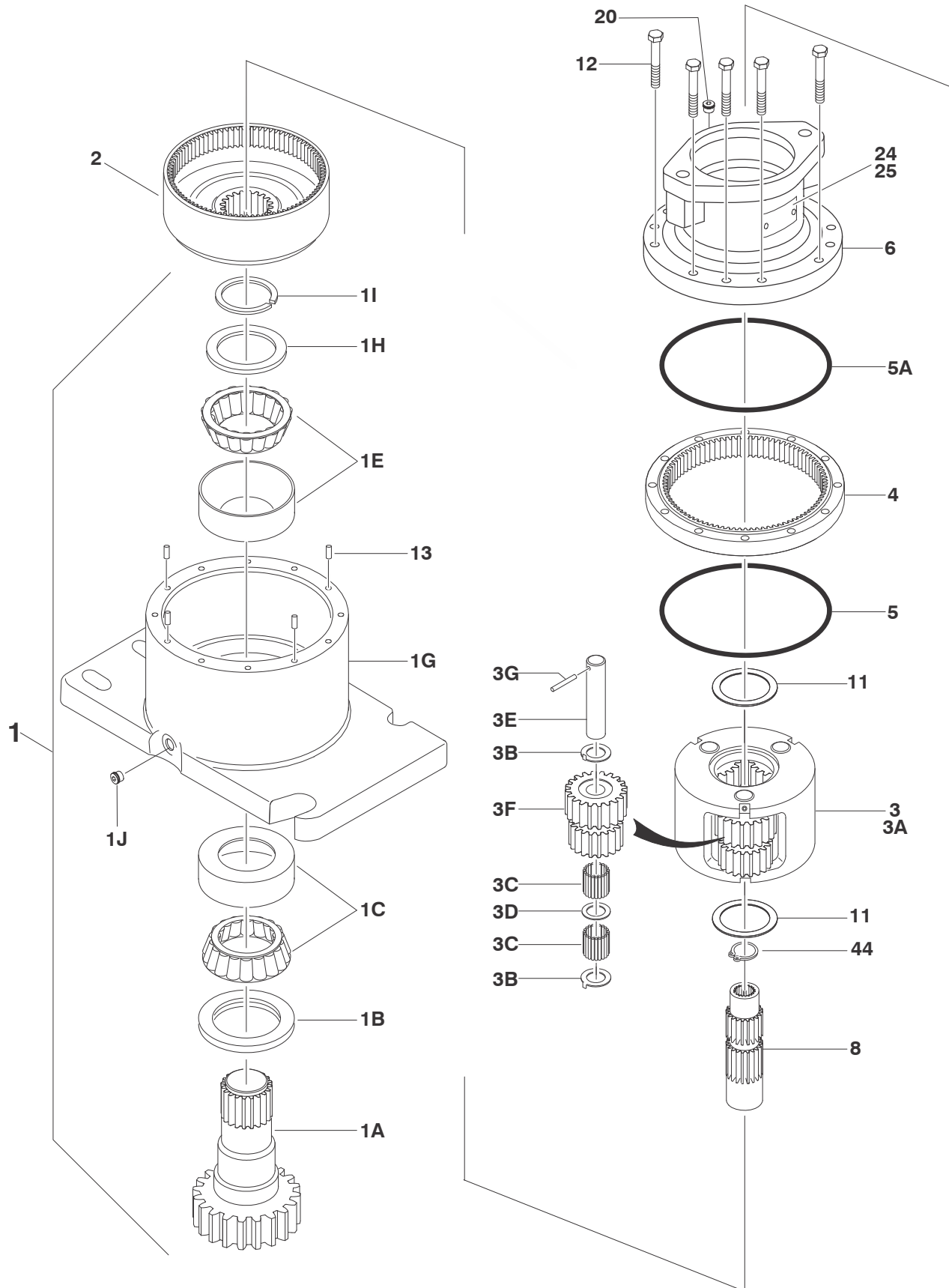
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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300066417 TO SN 0300134352)

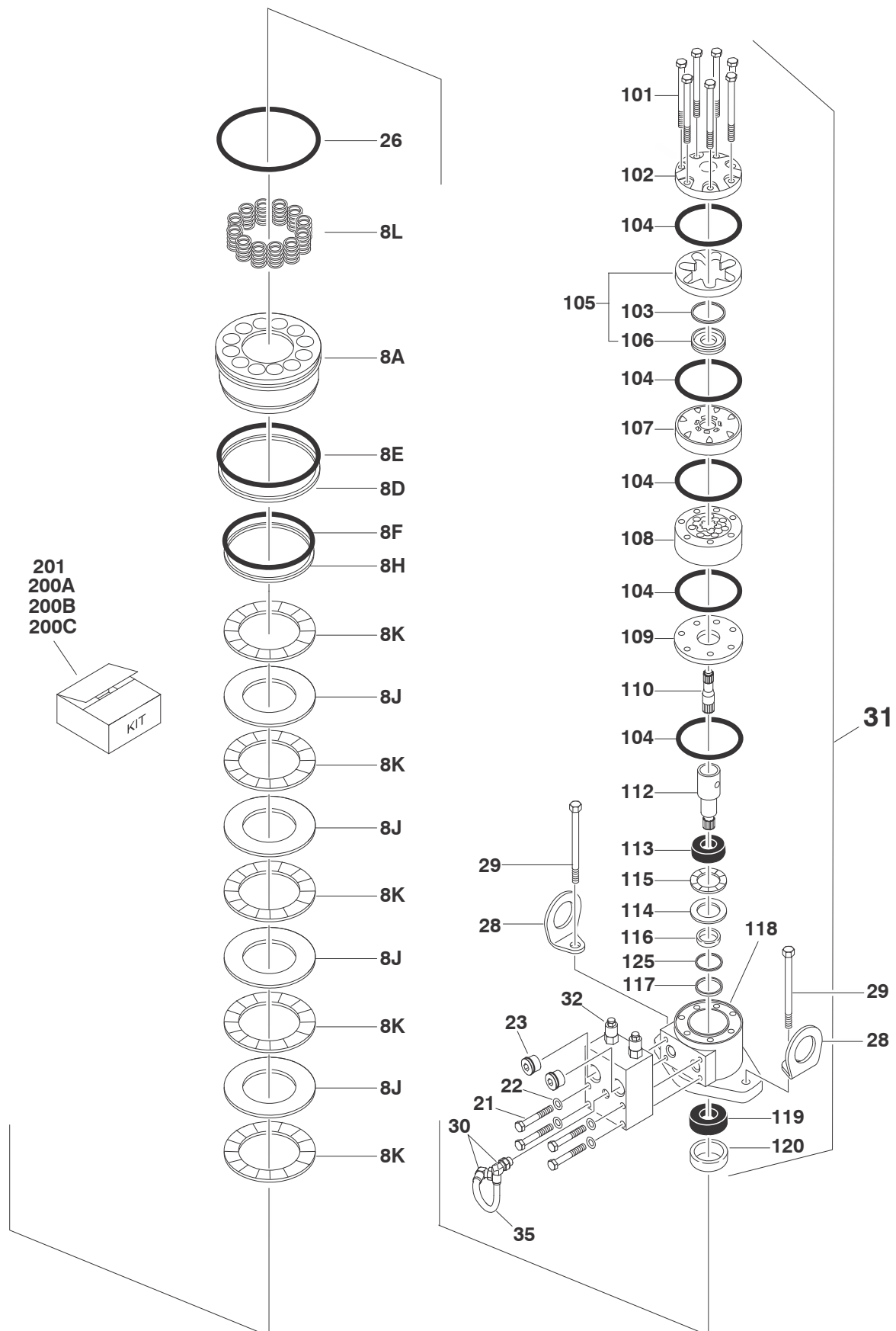
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-7. SWING MOTOR/HUB ASSEMBLY (SN 0300134352 TO SN 0300140000)



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FIGURE 2-7. SWING MOTOR/HUB ASSEMBLY (SN 0300134352 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001101060	Ref	SWING MOTOR/HUB ASSEMBLY	A
1	See Note	1	Housing/Shaft Assembly (Note: Not Available - Purchase Individual Components.)	
1A	7010492	1	Shaft, Output	
1B	7000228	1	Seal, Lip	
1C	7000255	1	Bearing Kit (Includes Cup & Cone)	
1D	Not Used			
1E	7000257	1	Bearing Kit (Includes Cup & Cone)	
1F	Not Used			
1G	7024762	1	Housing	
1H	7007633	1	Thrustwasher	
1I	7000229	1	Ring, Retaining	
1J	7017072	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	80424002	1	Carrier Assembly	
3A	7001931	1	Carrier	
3B	7001985	6	Washer, Tanged	
3C	7001909	84	Bearing, Needle	
3D	7000263	3	Thrustwasher	
3E	7001911	3	Shaft, Planet	
3F	7001912	3	Gear, Cluster	
3G	7010474	3	Rollpin	
4	7000248	1	Gear, Ring	
5	7000230	1	O-Ring	
5A	7017070	1	O-Ring	
6	Use 1001101060	1	Housing, Brake (Note: Not Available - Purchase Complete Assy.)	
7	Not Used			
8	70002065	1	Gear, Sun	
8A	70000782	1	Piston	
8B to 8C	Not Used			
8D	70002070	1	O-Ring	
8E	70002071	1	Ring, Back-up	
8F	70002073	1	O-Ring	
8G	Not Used			
8H	70002072	1	Ring, Back-up	
8I	Not Used			
8J	70002067	4	Disc, Rotor	
8K	70002068	5	Disc, Stator	
8L	70002066	14	Spring	
9 to 10	Not Used			
11	7000253	2	Thrustwasher	
12	7000217	12	Bolt 3/8in-16NC x 2-1/4in (Grade 8)	
13	7017080	4	Pin, Dowel	
14 to 19	Not Used			
20	7017072	1	Plug, Pipe	
21	7024704	4	Bolt 5/16in-18NC x 2in (Grade 8)	
22	See Note	4	Lockwasher (Note: Not Available for Purchase.)	

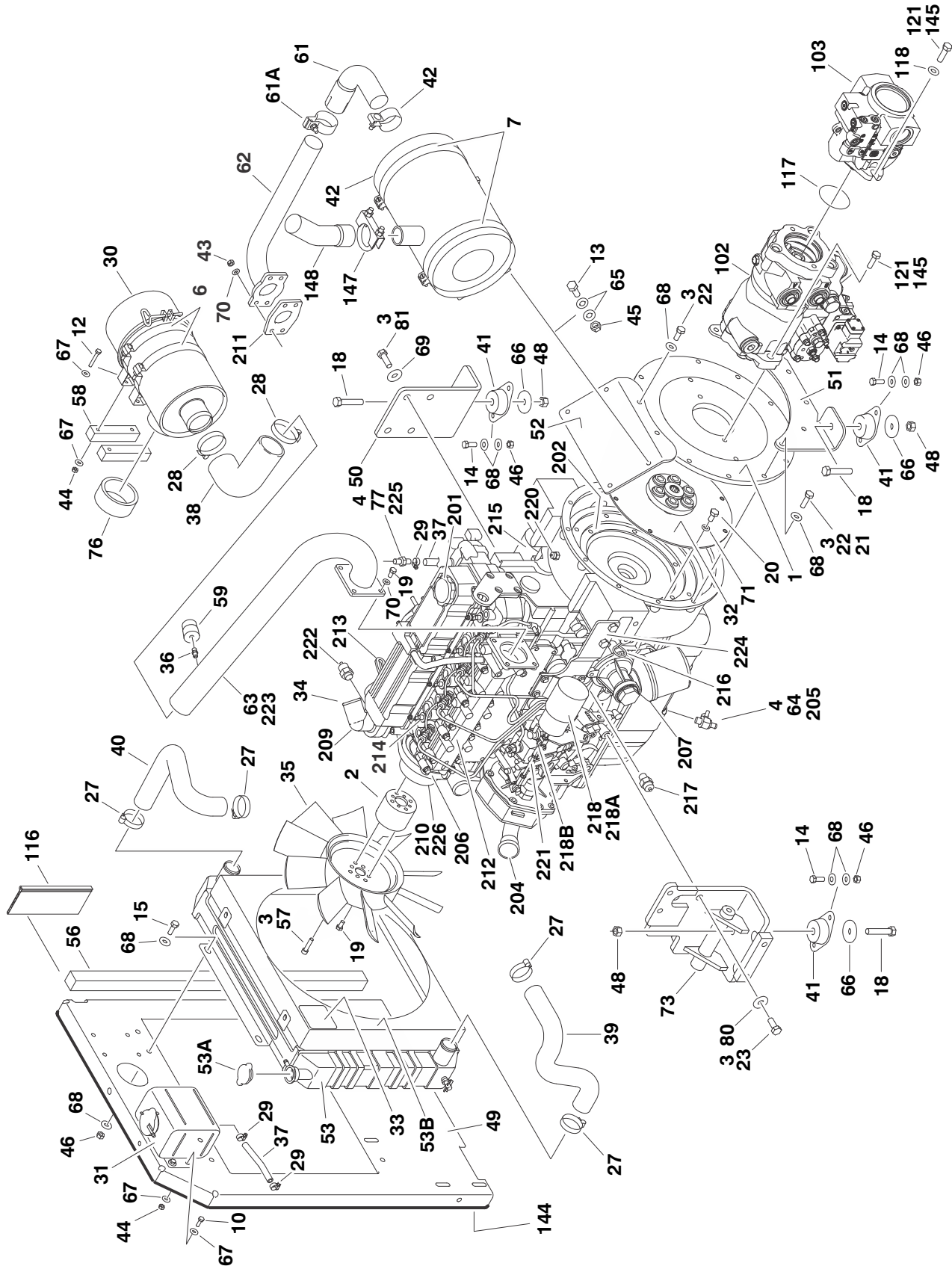
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FIGURE 2-7. SWING MOTOR/HUB ASSEMBLY (SN 0300134352 TO SN 0300140000)

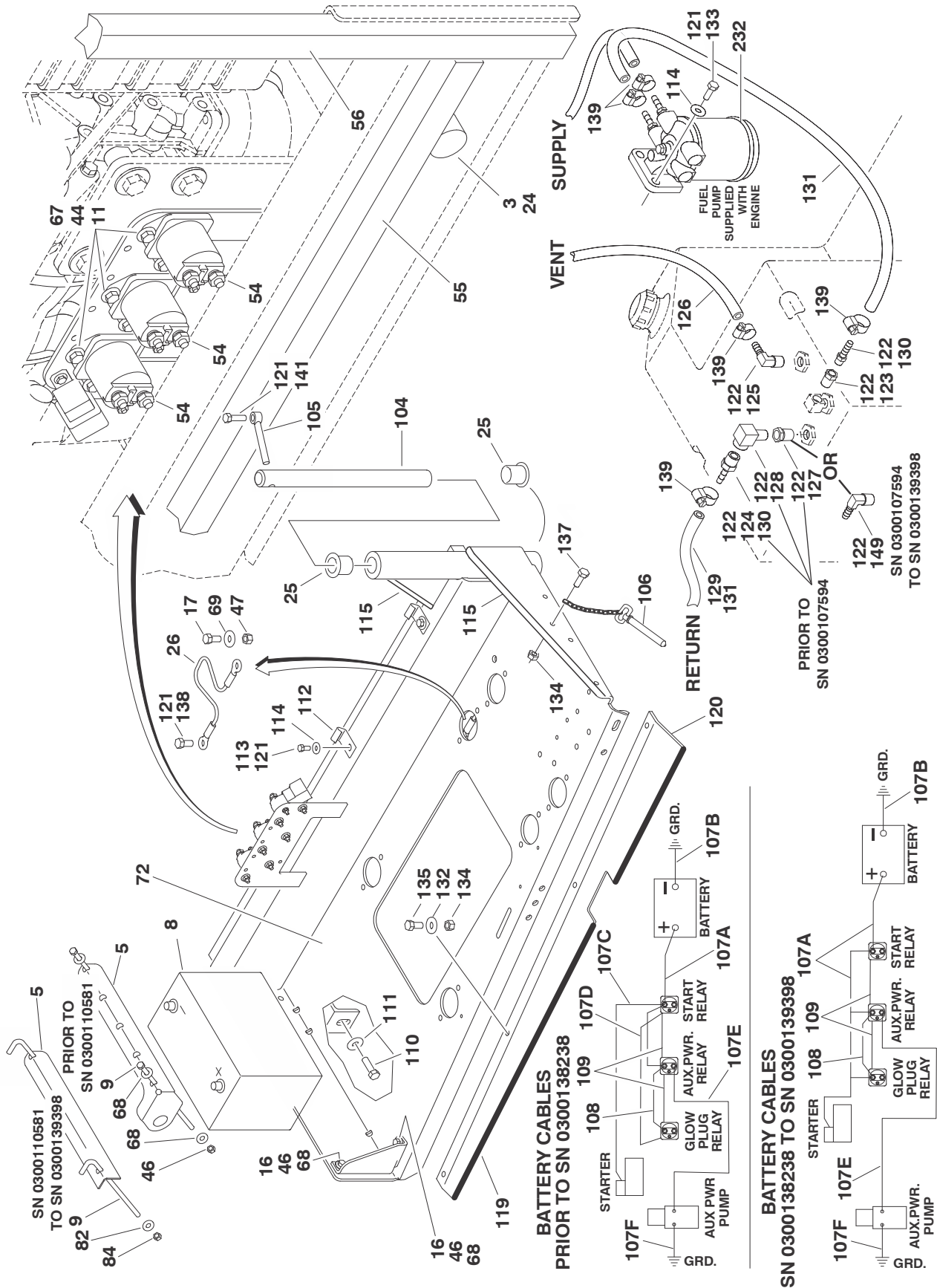
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
23	7017023	2	Plug, Pipe	
24	See Note	1	Plate, ID (Note: Not Available for Purchase.)	
25	7000281	2	Screw, Drive	
26	7024763	1	O-Ring	
27	Not Used			
28	See Note	2	Lug, Lifting (Note: Not Available for Purchase.)	
29	70002069	2	Bolt 1/2in-13NC x 2in (Grade 8)	
30	7017085	2	Elbow	
31	70002075	1	Motor Assembly (See Items 101-125 for Breakdown)	
32	7024784	1	Valve Assembly - Complete (No Serviceable Parts)	
33 to 34	Not Used			
35	70002074	1	Tube	
36 to 43	Not Used			
44	7017028	1	Ring, Internal Retaining	
	70002075	Ref	MOTOR ASSEMBLY	
101	7024454	5	Bolt	
102	7004035	1	Cover, End	
103	7023318	1	Seal, Commutator	
104	7004036	5	Seal, Ring	
105	7024453	1	Commutator and Ring Assembly	
106	Use 7024453	1	Ring	
107	7024379	1	Manifold	
108	7024455	1	Rotor Set	
109	7024380	1	Plate, Wear	
110	7024456	1	Link, Drive	
111	Not Used			
112	7024458	1	Shaft, Coupling	
113	7024381	1	Bearing, Inner	
114	7004043	1	Thrustwasher	
115	7004044	1	Bearing, Thrust	
116	7004049	1	Seal, Inner	
117	7004045	1	Washer, Back-up	
118	7024457	1	Housing	
119	7024390	1	Bearing, Outer	
120	7004047	1	Seal	
121 to 124	Not Used			
125	80424043	1	Washer, Back-up	
		Ref	KIT OPTIONS:	
200		1	Seal Kit Options:	
200A	7024100		Swing Hub (Includes Items 1B, 1I, 5, 5A & 11)	
200B	70002086		Swing Brake (Includes Items 8D, 8E, 8F, 8H & 26)	
200C	7024396		Swing Motor (Includes Items 103, 104, 116, 117, 120 & 125)	
201	70002085	1	Disc Kit - Swing Brake (Includes Items 8J & 8K)	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)



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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	CATERPILLAR ENGINE ASSEMBLIES	
		Ref	Machines Without Arctic Package	
	0272796	Ref	Tier II Engines (Prior to SN 0300087262)	F
	0274491	Ref	Tier II Engines (SN 0300087262 to SN 03000134726)	L
	1001105993	Ref	Tier III Engines (SN 0300134726 to SN 0300139398)	D
		Ref	Machines With Arctic Package	
	0275256	Ref	Tier II Engines (Prior to SN 0300134726)	I
	1001106338	Ref	Tier III Engines (SN 0300134726 to SN 0300139398)	D
1	0080181	1	Adaptor, Pump Mounting Plate	
2	0080243	1	Adaptor, Fan Spacer	
3	0100011	AR	Compound, Locking	
4	0100020	AR	Sealant, Thread	
5		1	Hold-down, Battery Options:	
	0181727		Prior to SN 0300110581	
	91401281		SN 0300110581 to SN 0300139398	
6	0340041	2	Band, Mounting	
7	0340046	2	Band, Muffler	
8	0400075	1	Battery	
9		2	Bolt, Battery Hold-down Options:	
	0630498		Prior to SN 0300110581	
	1001093382		SN 0300110581 to SN 0300139398	
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	AR	Bolt 3/8in-16NC x 1in	
15	0641609	4	Bolt 3/8in-16NC x 1-1/8in	
16	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
17	0641808	1	Bolt 1/2in-13NC x 1in	
18	0641820	4	Bolt 1/2in-13NC x 2-1/2in	
19	0700808	AR	Bolt M8 x 16mm	
20	0701010	8	Bolt M10 x 20mm	
21	0701012	4	Bolt M10 x 25mm	
22	0701015	8	Bolt M10 x 35mm	
23		4	Bolt Options:	
	0701214		Bolt M12 x 30mm (Prior to SN 0300098894)	
	0711214		Bolt M12 x 30mm (SN 0300098894 to SN 0300139398)	
24	0940070	1	Bumper, Rubber	
25	0961986	2	Bearing, Flange	
26	1060637	1	Lanyard	
27		4	Clamp, Hose Options:	
	1320012		Prior to SN 0300087262	
	8405104		SN 0300087262 to SN 0300139398	
28	1320016	2	Clamp, Hose	
29		3	Clamp, Hose Options:	
	1320022		Prior to SN 0300087262	
	8405009		SN 0300087262 to SN 0300139398	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
30	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	
31	1580011	1	Container, Coolant Overflow	
32	1660239	1	Coupling, Pump	
33	1703162	2	Decal - Fan Blade	
34		1	Caterpillar Engine Assembly Options:	
	2000194		Tier II Engines (Prior to SN 0300104771)	
	2000386		Tier II Engines (SN 0300104771 to SN 0300134726)	
	1001100313		Tier III Engines (SN 0300134726 to SN 0300139398)	
35	2060025	1	Fan	
36	2180798	1	Fitting (Prior to SN 0300104771)	
37	2720058	.33ft	Hose	
38	2720434	1	Elbow, Rubber	
39	2720509	1	Hose, Radiator (Bottom)	
40		1	Hose, Radiator (Top) Options:	
	2720510		Tier II Engines (Prior to SN 0300134726)	
	1001107705		Tier III Engines (SN 0300134726 to SN 0300139398)	
41	3200406	4	Mount, Engine	
42		1	Muffler Options:	
	3220113		Spark Arresting Muffler	
	70001017	1	Clamp	
	1001107116		Catalytic Muffler	
	70002705	1	Clamp	
	70002706	1	Plug, Brass	
43	3290801	4	Nut M8 x 1.25	
44	3311405	14	Locknut 1/4in-20NC	
45	3311505	AR	Locknut 5/16in-18NC	
46	3311605	AR	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, Restriction Indicator (Prior to SN 0300104771)	
60	Not Used			
61	4567073	1	Tube, Exhaust	
61A	70001017	1	Clamp	
62	4568721	1	Exhaust Tube Weldment	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
63		1	Tube, Air Intake Weldment Options:	
	4568788	1	Prior to SN 0300087262	
	4569177	1	SN 0300087262 to SN 0300104771 (Note: See Engine Components for Air Intake Tube p/n)	
64		1	Valve, Oil Drain Options:	
	4640750		Prior to SN 0300134726	
	Use 4640750		SN 0300134726 to SN 0300139398 (was p/n 1001105833)	
65	4711500	8	Flatwasher 5/16in Thin	
66	4740274	4	Washer, Snubbing	
67	4751400	28	Flatwasher 1/4in Regular	
68	4751600	AR	Flatwasher 3/8in Regular	
69	4751800	1	Flatwasher 1/2in Regular	
70	4811900	AR	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 (Prior to SN 0300098894)	
76	2720515	1	Seal, Air Cleaner	
77	2220767	1	Fitting (SN 0300075603 to SN 0300104771)	
78		2.63gal/9.96Li	Anti-Freeze Options (Not Shown):	
	2300004		Without Arctic Package (SN 0300093812 to SN 0300139398)	
	2300041		With Arctic Package (SN 0300104771 to SN 0300139398)	
79		2.5gal/9.4Li	Motor Oil Options (Not Shown):	
	3020016		Without Arctic Package - Motor Oil 15W-40 (SN 0300093812 to SN 0300139398)	
	3020044		With Arctic Package - Motor Oil 0W-40 (SN 0300104771 to SN 0300139398)	
80		8	Flatwasher Options:	
	4751800		Flatwasher 1/2in (Prior to SN 0300098894)	
	4812100		Flatwasher M12 (SN 0300098894 to SN 0300139398)	
81	0100019	AR	Compound, Locking (SN 0300098894 to SN 0300110581)	
82	4751500	2	Flatwasher 5/16in Regular (SN 0300110581 to SN 0300139398)	
83		4	Bolt Options:	
	0711214		Bolt M12 x 30mm (Prior to SN 0300111029)	
	0711212		Bolt M12 x 25mm (SN 0300111029 to SN 0300139398)	
84	88521205	2	Locknut, Nylon Insert 5/16in-18NC	
		Ref	Note: Arctic Package Items 85 - 89 Not Shown - Used on Arctic Machines Only	
85	1060626	1	Cord, 3-Way Extension (Located on Left Front of Engine)	
86	1320223	2	Clamp	
87	2580024	1	Heater, Battery (Located on Battery)	
88	2580055	1	Heater, Block (Located on Left Side of Engine)	
89	3980007	1	Seat, Battery (Located Under Battery)	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	CATERPILLAR ENGINE INSTALLATIONS	
		Ref	Machines Without Arctic Package	
	0273527	Ref	Tier II Engines (Prior to SN 0300087262)	4/D
	0274626	Ref	Tier II Engines (SN 0300087262 to SN 0300134726)	5/E
	1001106698	Ref	Tier III Engines (SN 0300134726 to SN 0300139398)	4/B
		Ref	Machines With Arctic Package	
	0275585	Ref	Tier II Engines (Prior to SN 0300134726)	B
	1001106699	Ref	Tier III Engines (SN 0300134726 to SN 0300139398)	D
101	Not Used			
102		1	Piston Pump Assembly Options (See PISTON PUMP ASSEMBLY for Breakdown):	
	3600295		Prior to SN 0300135831	
	3600410		SN 0300135831 to SN 0300139398	
103		1	Load Sensing Pump Assembly Options (See LOAD SENSING PUMP ASSEMBLY for Breakdown):	
	3600324		Prior to SN 0300135831	
	3600411		SN 0300135831 to SN 0300139398	
104	3422446	1	Pin, Pivot	
105	3841143	1	Keeper, Pin	
106	3422532	1	Pin, Hitch	
107	2901609	1	Battery Cable Kit (Prior to SN 0300078364)	
	2902401	1	Battery Cable Kit (SN 0300078364 to SN 0300138238) (Note: 2902401 Rev A version is no longer available. Verify whether machine is equipped with 2 or 3 relays on the engine tray. If there are 3 relays, purchase latest revision of 2902401 kit. If there are 2 relays, purchase individual items as replacement.)	A
	2902401	1	Battery Cable Kit (SN 0300138238 to SN 0300139398)	B
107A	7016800	1	Cable, Battery (Red) (Prior to SN 0300078364)	
	7016813	1	Cable, Battery (Red) (SN 0300078364 to SN 0300138238)	
	1001116288	1	Cable, Battery (Red) (Machines SN 0300138238 to SN 0300139398 with 3 Relays on Engine Tray) (was p/n 7027027)	
	1001116287	1	Cable, Battery (Red) (Machines SN 0300138238 to SN 0300139398 with 2 Relays on Engine Tray) (was p/n 7027027)	
107B	7016809	1	Cable, Battery (Black) (Prior to SN 0300078364)	
	7027012	1	Cable, Battery (Black) (SN 0300078364 to SN 0300138238)	
	7027004	1	Cable, Battery (Black) (SN 0300138238 to SN 0300139398)	
107C	7016802	1	Cable (Red) (Prior to SN 0300078364)	
	Not Required	1	Cable (Red) (SN 0300078364 to SN 0300139398) (Part of Item 107A)	
107D	7016803	1	Cable (Red) (Prior to SN 0300138238)	
	Not Required	1	Cable (Red) (SN 0300138238 to SN 0300139398)	
107E	7016824	1	Cable (Red)	
107F	7016825	1	Cable (Black)	
108	1060904	1	Cable, Battery (Glow Plugs)	
109	4922737	1	Harness, Relay Ground	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
110	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
111	4752000	1	Flatwasher 5/8in Regular	
112	1320223	AR	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	3960549	1ft/0.3mm	Seal	
117	3790044	1	O-Ring	
118	4891800	2	Flatwasher 1/2in Hardened	
119	3960464	42in/1m	Seal, Hood (Prior to SN 0300087262)	
120	3539934	1	Plate, Seal (Prior to SN 0300087262)	
121	0100011	AR	Compound, Locking	
122	0100020	AR	Sealant, Thread	
123		AR	Fitting, Reducer Options:	
	2220273	1	Without Arctic Package (Prior to SN 0300107594)	
	Not Required	0	With Arctic Package	
124		1	Fitting Options:	
	2180536		Without Arctic Package - Fitting, Straight (Prior to SN 0300075346)	
	2221176		With Arctic Package - Fitting, Elbow	
125	2220313	1	Fitting, Elbow	
126	2750532	7ft./2.2m	Hose 3/8in	
127		AR	Fitting, Reducer Options:	
	2220250	1	Without Arctic Package (Prior to SN 0300107594)	
	Not Required	0	With Arctic Package	
128		AR	Fitting, Elbow Options:	
	2220459	1	Without Arctic Package (Prior to SN 0300107594)	
	Not Required	0	With Arctic Package	
129	2720271	15ft./4.6m	Hose 3/16in (Prior to SN 0300075346)	
130		AR	Fitting, Barbed	
	2220794	2	Without Arctic Package (Prior to SN 0300107594)	
	2180348	1	Without Arctic Package (SN 0300107594 to SN 0300139398)	
	2180348	1	With Arctic Package	
131	2720058	AR	Hose	
		16ft/4.9m	Prior to SN 0300075346	
		30ft/9.1m	SN 0300075346 to SN 0300139398	
132	4751400	AR	Flatwasher 1/4in Regular	
133	0641608	AR	Bolt 3/8in-16NC x 1in	
134	3311405	AR	Locknut 1/4in-20NC	
135	0641406	4	Bolt 1/4in-20NC x 3/4in (Prior to SN 0300087262)	
136	3311505	8	Locknut 5/16in-18NC (Prior to SN 0300075346)	
137	0641407	1	Bolt 1/4in-20NC x 7/8in	
138		AR	Bolt Options:	
	0641808	1	Without Arctic Package - Bolt 1/2in-13NC x 1in	
	Not Required	0	With Arctic Package	
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	0641514	3	Bolt 5/16in-18NC x 1-3/4in (Prior to SN 0300075346)	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
143	4751500	3	Flatwasher 5/16in Regular (Prior to SN 0300075346)	
144	3960548	42in/1m	Seal, Hood	
145	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
146	2200222	1	Plug, Pipe (Not Shown - Located in Bottom of Fuel Tank)	
147	1320176	1	Clamp (SN 0300093812 to SN 0300139398)	
148	3460544	1	Pipe, Exhaust (SN 0300093812 to SN 0300139398)	
149	2221176	1	Fitting, Elbow (SN 0300107594 to SN 0300139398)	
		Ref	Note: Arctic Package Items 150 - 155 Not Shown - Used on Arctic Machines Only	
150	1060625	1	Cable, Immersion Heater (Located on bottom of Hydraulic Oil Tank)	
151	2580050	1	Heater, Hydraulic Tank (Located on bottom of Hydraulic Oil Tank)	
152	1702941	1	Decal - Battery Heater (Located on Battery Heater)	
153	1702942	1	Decal - Engine Block Heater (Located on Right Side of Engine)	
154	1702943	1	Decal - Hydraulic Tank Heater (Located on bottom of Hydraulic Oil Tank)	
155	1702944	1	Decal - Heater Cord (Located on Left Front of Engine)	

	2902300	Ref	Remote Oil Filter Kit - Required on Caterpillar Engine to Allow Sky Power 7500 Watt Generator to Fit. (Note: Does not include filter)	
	3574696	1	Bracket, Mounting Remote Filter	
		Ref	ENGINE COMPONENTS	
	2000194	Ref	Caterpillar 3044 Tier III Prior to SN 0300104771	E
	2000386	Ref	Caterpillar 3044 Tier III SN 0300104771 to SN 0300134726	B
	1001100313	Ref	Caterpillar C3.4 Tier IVi SN 0300134726 to SN 0300139398	C
201	7026800	1	Cap Oil Filler	
202	7026802	1	Flywheel	
	7026803	1	Gear, Flywheel	
203	7026804	1	Gasket (Not Shown - Between Flywheel Housing & Engine Block)	
	7026805	1	Seal (Not Shown - Rear of Flywheel Housing)	
204	7026806	1	Cap, Filler	
	7026807	1	Seal, Oil (Located in Front Housing)	
205	7026808	1	Plug, Oil Pan	
	7026809	1	Gasket, Oil Plug	
206	7026810	1	V-Belt	
207	7026811	1	Filter, Oil	
			Note: Machines with SkyPower use Remote Mounted Oil Filter - See Section 10. The same oil filter is used for all applications.	
	7026812	1	O-Ring (Between Bolt & Oil Filter Bracket)	
	7026813	1	O-Ring (Between Oil Filter Bracket & Engine Block)	
208	7026819	1	Engine Cooler Assembly (Not Shown)	
	7026816	2	O-Ring (Between Cover & Cooler)	
	7026817	4	O-Ring (Between Cover & Cooler)	
	7026818	1	Gasket (Between Cover & Engine Block)	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
209	7026822	1	Thermostat	
	7026821	1	Gasket (Between Regulator & Thermostat Housing)	
	7026820	1	Gasket (Between Regulator & Engine Head)	
210		1	Pump, Water Options: Caterpillar Engine p/n 2000194	
	7026823		Caterpillar Engine SNs (Not Machine SN) Prior to SN 3440833	
	70001120		Caterpillar Engine SNs (Not Machine SN) SN 3440833 to Present	
	70001120		Caterpillar Engine p/ns 2000386 & 1001100313	
	7026824	1	Gasket, Water Pump Cover (Use with p/n 7026823 Pump)	
	7026825	1	Gasket, Water Pump (Use with p/n 7026823 Pump)	
	70002765	1	Hose, By-Pass (Not Shown)	
211	7026827	1	Gasket, Exhaust	
	70002852	4	Stud, Exhaust Manifold	
212	7026829	1	Gasket, Intake Manifold	
	7026828	1	Gasket, Intake	
213	7026831	1	Alternator	
214	7026832	4	Plug, Glow	
215	7026833	1	Starter	
216		1	Dipstick Oil Level Options:	
	7026834		Dipstick for 2000194 Engines	
	7026888		Dipstick for 2000386 Engines	
	70002844		Dipstick for 1001100313 Engines	
	70002843	1	Seal, Dipstick Tube	
217	7026814	1	Relief Valve, Oil Pressure	
	7026815		Gasket, Relief Valve	
	1001097554		Sensor, Oil Pressure (Not Shown)	
218	1600361	1	Actuator/Linkage Assembly - Throttle	
218A	Use 1600361		Actuator & Electrical Connector Kit (was p/n 7026842)	
	7026835	1	Connector, Actuator	
218B	7026843		Linkage Kit	
219	Not Used			
220	7026841	1	Sensor, Speed Sensor	
	7026836	1	Connector, Speed Sensor	
221	70002849	1	Pump, Fuel Injection	
	70002847	1	O-Ring, Fuel Injection Pump Flange	
	70002848	1	Gasket, Fuel Injection Pump	
	70002850	1	Solenoid, Fuel Shut-Off	
222	7026840	1	Sensor, Water Temperature	
	7026882	1	Seal, Sensor	
223	4569371	1	Tube, Air Intake Weldment (2000386 & 1001100313 Engines)	
224	Use 7026887	1	Mounting Bracket, Actuator (was p/n 0902910 & 0903220)	
225	70001051	1	Valve, Air Intake Check	
226	70001742	1	Pulley, Water Pump	
227	Use 2580055	1	Block Heater Kit (Not Shown) (was p/n 7026845)	
	7026838	1	Gasket, Block Heater (Not Shown)	
	70002841	1	Cord, Electrical (Not Shown)	

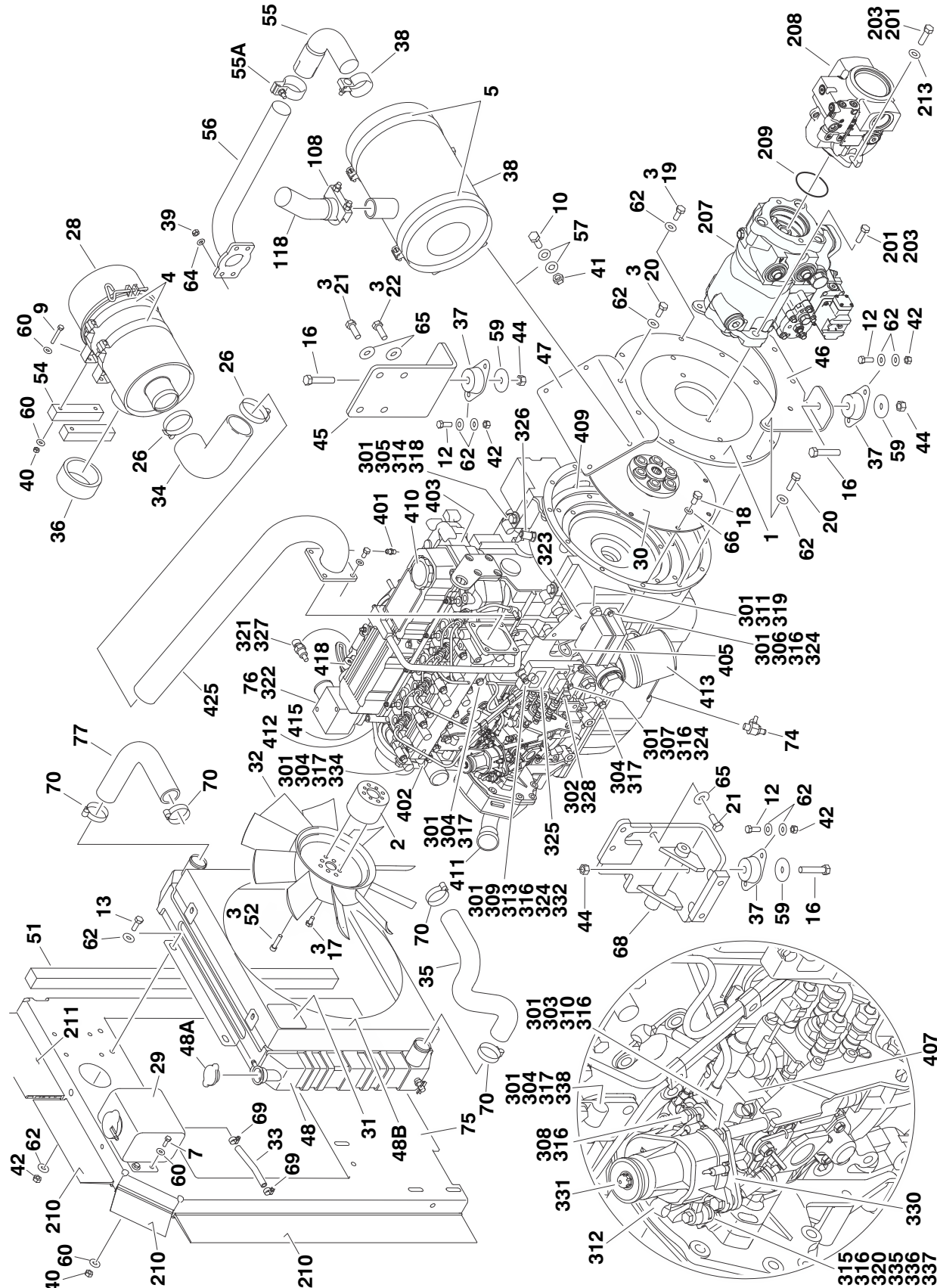
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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (PRIOR TO SN 0300139398)

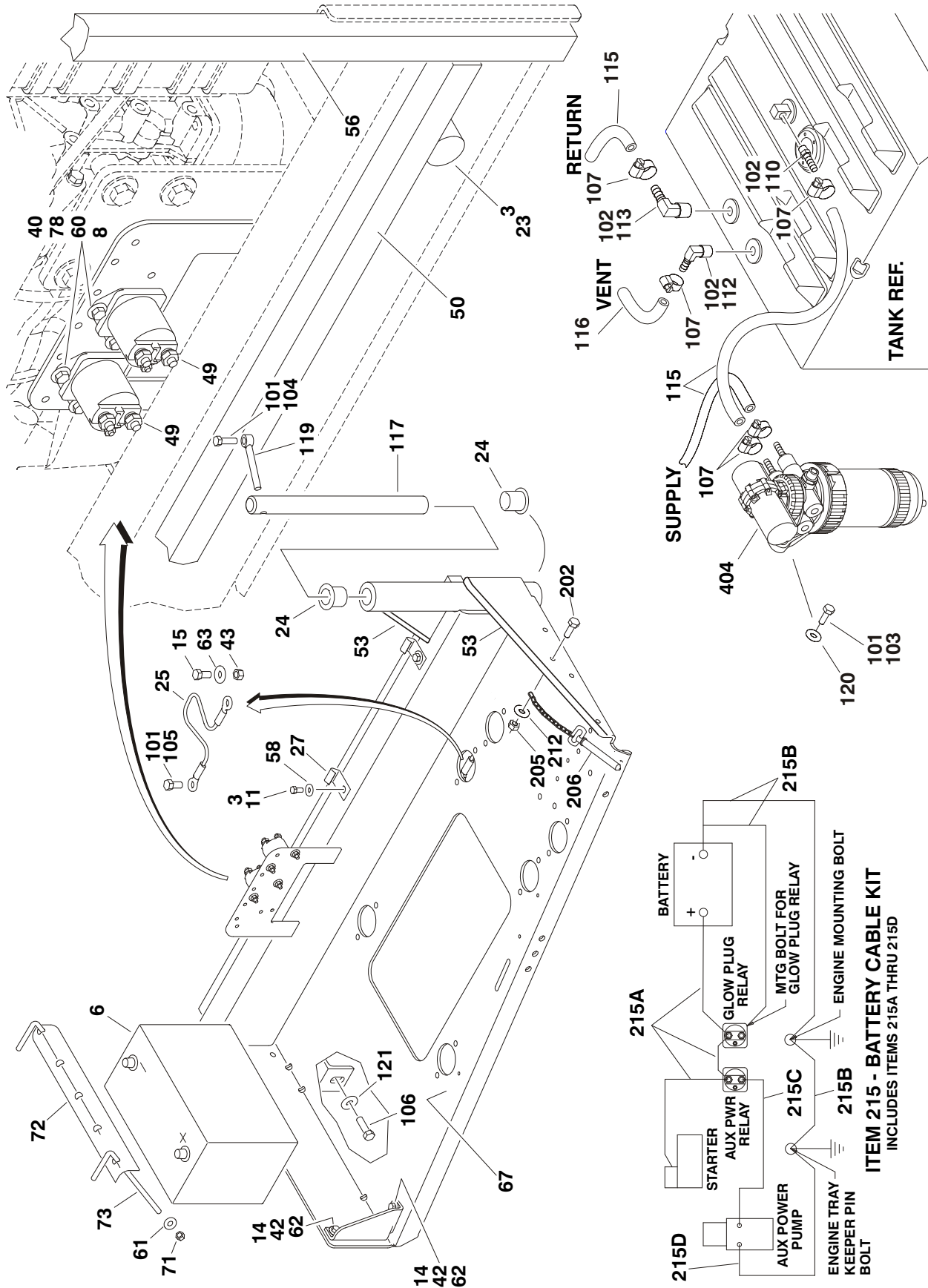
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
228	70002766	1	Head, Cylinder (Not Shown)	
	7026801	1	Gasket, Valve Cover (Not Shown)	
	70002764	1	Gasket, Rear Head (Not Shown)	
	70002767	1	Gasket, Head (Not Shown)	
	70002761	AR	Bolt, Head (Not Shown)	
	70002762	AR	Seat, Valve (Not Shown)	
229	70002845	1	Pump, Oil (Not Shown)	
	70002846	1	O-Ring, Oil Pump (Not Shown)	
230	Not Used			
231	70002851	1	Gasket Kit - Complete (Not Shown)	
232	7026839	1	Pump, Fuel Supply	
	70002763	1	Gasket, Fuel Line (Not Shown)	
	7026830	1	Element, Fuel Filter	
	70002834	1	Bowl, Water Collection	
	70002835	1	Seal Kit - Water Separator	
	70002833	1	Ring, Fuel Pump Retaining	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139398 TO SN 0300140000)



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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139398 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001109065	Ref	CATERPILLAR TIER IVi ENGINE ASSEMBLY	C
1	0080181	1	Adaptor, Pump Mounting Plate	
2	0080243	1	Adaptor, Fan Spacer	
3	0100011	AR	Compound, Locking	
4	0340041	2	Band, Mounting	
5	0340046	2	Band, Muffler	
6	0400075	1	Battery	
7	0641406	4	Bolt 1/4in-20NC x 3/4in	
8	0641407	4	Bolt 1/4in-20NC x 7/8in	
9	0701414	4	Bolt 1/4in-20NC x 3/4in	
10	0641507	4	Bolt 5/16in-18NC x 7/8in	
11	0641606	2	Bolt 3/8in-16NC x 3/4in	
12	0641608	8	Bolt 3/8in-16NC x 1in	
13	0641609	4	Bolt 3/8in-16NC x 1-1/8in	
14	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
15	0641808	1	Bolt 1/2in-13NC x 1in	
16	0641820	4	Bolt 1/2in-13NC x 2-1/2in	
17	0700808	4	Bolt M8 x 16mm	
18	0701010	8	Bolt M10 x 20mm	
19	0701012	4	Bolt M10 x 25mm	
20	0701015	8	Bolt M10 x 35mm	
21	0711214	5	Bolt M12 x 30mm	
22	0771212	3	Bolt M12 x 25mm	
23	0940070	1	Bumper, Rubber	
24	0961986	2	Bearing, Flange	
25	1060637	1	Lanyard	
26	1320016	2	Clamp, Hose	
27	1320223	4	J-Clip 1/2in	
28	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	
29	1580011	1	Container, Coolant Overflow	
30	1660239	1	Coupling, Pump	
31	1703162	2	Decal - Fan Blade	
32	2060025	1	Fan	
33	2720058	.33ft	Hose	
34	2720434	1	Elbow, Rubber	
35	2720509	1	Hose, Radiator (Bottom)	
36	2720515	1	Seal, Air Cleaner	
37	3200406	4	Mount, Engine	
38		1	Muffler Options:	
	3220113		Spark Arresting Muffler	
	70001017	1	Clamp	
	1001107116		Catalytic Muffler	
	70002705	1	Clamp	
	70002706	1	Plug, Brass	
39	3290801	4	Nut M8 x 1.25	
40	3311405	12	Locknut 1/4in-20NC	
41	3311505	4	Locknut 5/16in-18NC	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139398 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
42	3311605	AR	Locknut 3/8in-16NC	
43	3311801	1	Nut 1/2in-13NC	
44	3311805	4	Locknut 1/2in-13NC	
45	3574206	1	Plate, Motor Mount	
46	3574207	1	Plate, Engine Mount (Rear)	
47	3574208	1	Bracket, Muffler	
48	3620047	1	Radiator	
48A	7027412	1	Cap	
48B	70004182	1	Shroud, Fan	
49	3740067	3	Relay, Solenoid Assembly	
50	3960468	1	Seal, Foam Gasket	
51	3960469	1	Seal, Foam Gasket	
52	4031911	4	Bolt Metric M8 x 35mm	
53	4060805	2ft/0.7mm	Flex-Trim 1/4in	
54	4220191	2	Block, Spacer	
55	4567073	1	Tube, Exhaust	
55A	70001017	1	Clamp	
56	4568721	1	Exhaust Tube Weldment	
57	4711500	8	Flatwasher 5/16in Thin	
58	4711600	2	Flatwasher 3/8in Thin	
59	4740274	4	Washer, Snubbing	
60	4751400	24	Flatwasher 1/4in	
61	4751500	2	Flatwasher 5/16in Regular	
62	4751600	44	Flatwasher 3/8in Regular	
63	4751800	1	Flatwasher 1/2in Regular	
64	4811900	4	Flatwasher M8	
65	4812100	8	Flatwasher M12	
66	4832000	8	Lockwasher M10	
67	4846790	1	Tray Engine	
68	4846805	1	Mount, Engine/Generator - Left	
69	8405009	2	Clamp, Hose	
70	8405104	4	Clamp, Hose	
71	88521205	2	Locknut, Nylon Insert 5/16in-18NC	
72	91401281	1	Hold-down, Battery	
73	1001093382	2	Bolt, Battery Hold-down	
74	1001105833	1	Valve, Oil Drain	
75	1001109595	1	Plate, Radiator Mounting	
76	1001112077	1	Caterpillar Tier IVi Engine Assembly	
77	1001107705	1	Hose, Radiator (Top)	
78	4791400	4	Starwasher 1/4in	
		Ref	CATERPILLAR TIER IVi ENGINE INSTALLATIONS	
	1001110212	Ref	Machines Without Arctic Package	D
	1001110213	Ref	Machines With Arctic Package	C
101	0100011	AR	Compound, Locking	
102	0100020	AR	Sealant, Thread	
103	0641608	2	Bolt 3/8in-16NC x 1in	
104	0641610	1	Bolt 3/8in-16NC x 1-1/4in	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139398 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
105	0641808	1	Bolt 1/2in-13NC x 1in	
106	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
107	1320022	7	Clamp, Hose	
108	1320176	1	Clamp	
109	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
110	2180348	1	Fitting, Barbed	
111	2200222	1	Plug, Pipe (Not Shown - Located in Bottom of Fuel Tank)	
112	2220313	1	Fitting, Elbow	
113	2221176	1	Fitting, Elbow	
114		2.63gal/9.96Li	Anti-Freeze Options (Not Shown):	
	2300004		Without Arctic Package	
	2300041		With Arctic Package	
115	2720058	30ft/9.1m	Hose	
116	2750532	7ft./2.2m	Hose 3/8in	
117	3422446	1	Pin, Pivot	
118	3460544	1	Pipe, Exhaust	
119	3841143	1	Keeper, Pin	
120	4711600	2	Flatwasher 3/8in Thin	
121	4752000	1	Flatwasher 5/8in Regular	
122	Not Used	Ref	Note: Arctic Package Items 123 - 126 Not Shown - Used on Arctic Machines Only	
123	1060625	1	Cable, Immersion Heater (Located on bottom of Hydraulic Oil Tank)	
124	1320223	1	Clamp	
125	1702943	1	Decal - Hydraulic Tank Heater (Located on bottom of Hydraulic Oil Tank)	
126	2580050	1	Heater, Hydraulic Tank (Located on bottom of Hydraulic Oil Tank)	
		Ref	CATERPILLAR TIER IVi ENGINE W/PUMPS ASSEMBLIES	B C
	1001110206	Ref	Machines Without Arctic Package	
	1001110205	Ref	Machines With Arctic Package	
201	0100011	AR	Compound, Locking	
202	0641407	1	Bolt 1/4in-20NC x 7/8in	
203	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
204		2.5gal/9.4Li	Motor Oil Options (Not Shown):	
	3020016		Without Arctic Package - Motor Oil 15W-40	
	3020044		With Arctic Package - Motor Oil 0W-40	
205	3311405	1	Locknut 1/4in-20NC	
206	3422532	1	Pin, Hitch	
207	3600410	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown)	
208	3600411	1	Load Sensing Pump Assembly with Fittings (See LOAD SENSING PUMP ASSEMBLY for Breakdown)	
209	3790044	1	O-Ring	
210	3960548	42in/1m	Seal, Hood	
211	3960549	1ft/0.3mm	Seal	
212	4751400	1	Flatwasher 1/4in Regular	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139398 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
213	4891800	2	Flatwasher 1/2in Hardened	B
214	Not Used			
215	1001112762	1	Battery Cable Kit	
215A	7027028	1	Cable, Battery (Red)	
215B	7027029	1	Cable, Battery (Black)	
215C	7027030	1	Cable (Red)	
215D	7027031	1	Cable (Black)	
		Ref	Note: Arctic Package Items 216 - 226 Not Shown - Used on Arctic Machines Only	
216	0641608	2	Bolt 3/8in-16NC x 1in	
217	1060626	1	Cord, 3-Way Extension (Located on Left Front of Engine)	
218	1320223	2	Clamp	
219	1702941	1	Decal - Battery Heater (Located on Battery Heater)	
220	1702942	1	Decal - Engine Block Heater (Located on Right Side of Engine)	
221	1702944	1	Decal - Heater Cord (Located on Left Front of Engine)	
222	2580024	1	Heater, Battery (Located on Battery)	
223	2580055	1	Heater, Block (Located on Left Side of Engine)	
224	3311605	2	Locknut 3/8in-16NC	D
225	3980007	1	Seat, Battery (Located Under Battery)	
226	4751600	2	Flatwasher 3/8in Regular	
	1001112077	Ref	CATERPILLAR TIER IVi ENGINE W/ECM ASSEMBLY	
301	0100011	AR	Compound, Locking	
302	0100020	AR	Sealant, Thread	
303	0700620	1	Bolt M6 x 60mm	
304	0700808	5	Bolt M8 x 16mm	
305	0701010	2	Bolt M10 x 20mm	
306	0760606	2	Bolt M6 x 12mm	
307	0760610	2	Bolt M6 x 20mm	
308	0760612	3	Bolt M6 x 25mm	
309	8303541	1	Screw M6 x 35mm	
310	0700616	2	Bolt M6 x 40mm	
311	0761210	2	Bolt M12 x 20mm	
312	8406009	1	Clamp, Cable	
313	1320224	1	Clamp, Cable	
314	8406105	2	Clip, Tube	
315	3290507	1	Locknut M5	
316	4811700	12	Flatwasher M6	
317	4811900	5	Flatwasher M8	
318	4812000	2	Flatwasher M10	
319	4812100	2	Flatwasher M12	
320	4811600	1	Flatwasher M5	
321	1001097553	1	Washer, Coolant Sensor	
322	1001109064	1	Caterpillar Tier IVi Engine Assembly	
323	1001112057	1	Bracket	
324	1001112059	5	Bumper	
325	1001112067	1	Module, ECM	
326	1001112068	1	Sensor, Speed	
327	1001112069	1	Sensor, Temperature	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139398 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
328	1001112070	1	Switch, Oil Pressure	B
329	1001112071	1	Harness, Engine (Not Shown - See Section 7 for Breakdown)	
330	1001112072	1	Bracket	
331	1001112073	1	Actuator	
	1001112849	1	Linkage Assy	
332	1001112570	1	Spacer	
333	Not Used			
334	1320263	1	Clamp, Cable	
335	1001112075	1	Bolt	
336	1001112592	1	Bearing	
337	1001116595	1	Spacer	
338	8406109	1	Clip, Tube	
	1001109064	Ref	ENGINE COMPONENTS	
401	70001051	1	Valve, Crankcase Actuator Shut-Off	
402	70001120	1	Pump, Water	
	70001742	1	Pulley, Water Pump	
	70002765	1	Hose, By-Pass (Not Shown)	
403	See Note		Head, Cylinder (Note: Not Available for Purchase)	
	7026801	1	Gasket, Valve Cover	
	70002764	1	Gasket, Rear Head	
	70002762	15	Seat, Valve	
	70002761	17	Bolt, Head	
404	7026839	1	Pump, Fuel Supply	
	7026830	1	Element, Fuel Filter	
	70002834	1	Bowl, Water Collection	
	70002835	1	Seal Kit - Water Separator	
	70002833	1	Ring, Fuel Pump Retaining	
405	70002844	1	Dipstick Oil Level	
	70002843	1	Seal, Dipstick Tube	
406	70002845	1	Pump, Oil (Not Shown)	
	70002846	1	O-Ring, Oil Pump (Not Shown)	
407	70002849	1	Pump, Fuel Injection	
	70002847	1	O-Ring, Fuel Injection Pump Flange	
	70002848	1	Gasket, Fuel Injection Pump	
	70002850	1	Solenoid, Fuel Shut-Off	
408	Not Used			
409	7026802	1	Flywheel	
	7026803	1	Gear, Flywheel	
	7026804	1	Gasket (Not Shown - Between Flywheel Housing & Engine Block)	
	7026805	1	Seal, Rear Main (Not Shown - Rear of Flywheel Housing)	
	7026807	1	Seal, Front Main (Located in Front Housing)	
410	7026800	1	Cap Oil Filler (Top of Valve Cover)	
411	7026806	1	Cap, Filler (Front Side of Engine)	
412	7026810	1	V-Belt	

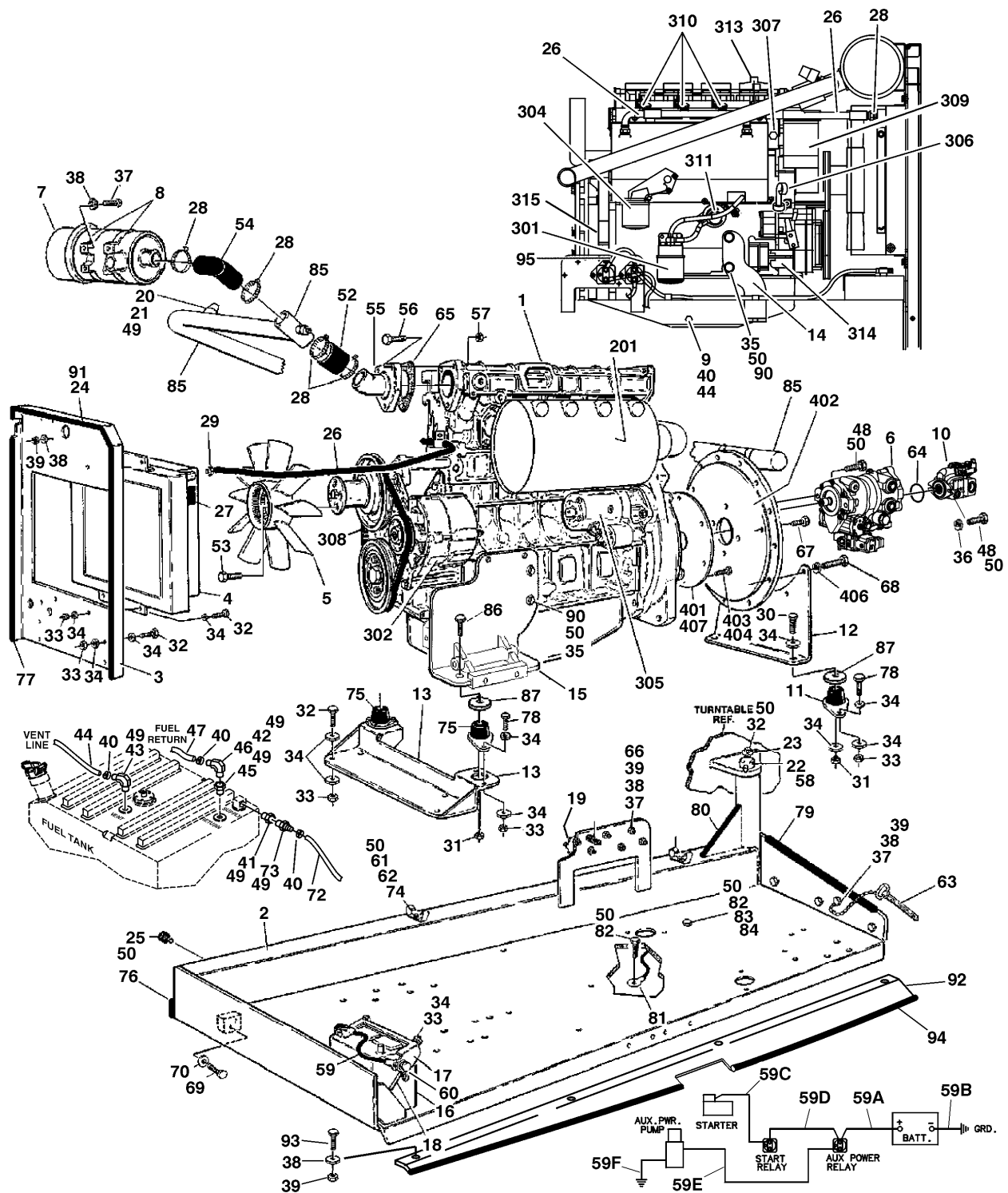
SECTION 2 TURNTABLE

FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139398 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
413	7026811	1	Filter, Oil Note: Machines with SkyPower use Remote Mounted Oil Filter - See Section 10. The same oil filter is used for all applications.	
	7026812	1	O-Ring (Between Bolt & Oil Filter Bracket)	
	7026813	1	O-Ring (Between Oil Filter Bracket & Engine Block)	
414	7026819	1	Engine Cooler Assembly (Not Shown)	
	7026816	2	O-Ring (Between Cover & Cooler)	
	7026817	4	O-Ring (Between Cover & Cooler)	
415	7026822	1	Thermostat	
	7026821	1	Gasket (Between Regulator & Thermostat Housing)	
	7026820	1	Gasket (Between Regulator & Engine Head)	
416	7026814	1	Relief Valve, Oil Pressure (Not Shown)	
	7026815		Gasket, Relief Valve	
417	See Note	4	Injector, Fuel (Not Shown) (Note: Not Available for Purchase)	
	70002763	4	Gasket, Fuel Line (Not Shown)	
418	7026831	1	Alternator	
419	7026832	1	Plug, Glow (Not Shown)	
420	7026833	1	Starter (Not Shown - Located on other side of engine)	
421	7026826	1	Gasket, Exhaust Manifold to Cylinder Head (Not Shown)	
	7026827	1	Gasket, Exhaust Manifold to Exhaust Pipe (Not Shown)	
	70002852	4	Stud, Exhaust Manifold (Not Shown)	
422	7026829	1	Gasket, Intake Manifold to Cylinder Head (Not Shown)	
	7026828	1	Gasket, Intake Manifold to Intake Tube (Not Shown)	
423	7026808	1	Plug, Oil Pan (Not Shown)	
	7026809	1	Gasket, Oil Plug	
424	70002851	1	Gasket Kit (Not Shown)	
425	4569371	1	Tube, Intake	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (PRIOR TO SN 0300077586)



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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (PRIOR TO SN 0300077586)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270878	Ref	DEUTZ ENGINE INSTALLATIONS	12/K
1	2000178	1	Engine - Deutz F4M2011F Diesel (See Items 301-318 for Service Parts Offered by JLG)	
2	4845404	1	Tray Engine	
3	3539872	1	Plate, Radiator Mounting	
4	3620033	1	Cooler, Oil	
5	2060025	1	Fan	
6	3600295	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown)	
7	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	
8	0340041	2	Band, Mounting	
9	4640751	1	Valve, Oil Drain	
10	3600324	1	Load Sensing Pump Assembly (See LOAD SENSING PUMP ASSEMBLY for Breakdown)	
11	3200406	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:	
	4846479		Prior to SN 0300068270	
	4846566		SN 0300068270 to SN 0300077586	
16	0400075	1	Battery	
17	0181727	1	Hold-Down, Battery	
18	0630498	2	Rod, Hold-Down	
19	3740067	2	Relay	
20	4360392	1	Switch, Restrictor Indicator	
21	2180798	1	Fitting	
22	3422446	1	Pin, Pivot	
23	3841143	1	Keeper, Pin	
24	3960549	4ft/1.2m	Seal	
25	0940070	1	Bumper, Rubber	
26	2720398	2	Hose, Oil Cooler	
27	1703162	2	Nameplate - Fan Caution	
28	1320016	4	Clamp, Hose	
29	2220451	2	Fitting, Straight	
30	0641818	2	Bolt 1/2in-13NC x 2-1/4in	
31	3311805	4	Locknut 1/2in-13NC	
32	0641610	13	Bolt 3/8in-16NC x 1-1/4in	
33	3311605	22	Locknut 3/8in-16NC	
34	4751600	44	Flatwasher 3/8in Regular	
35	0701414	6	Bolt 1/4in-20NC x 3/4in	
36	4891800	2	Flatwasher 1/2in Hardened	
37	0641407	9	Bolt 1/4in-20NC x 7/8in	
38	4751400	22	Flatwasher 1/4in Regular	
39	3311405	13	Locknut 1/4in-20NC	
40	1320022	5	Clamp, Hose	
41	2220273	1	Fitting, Reducer	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (PRIOR TO SN 0300077586) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
42	2180536	1	Fitting, Straight	
43	2220313	1	Fitting, Elbow	
44	2750532	7ft./2.2m	Hose 3/8in	
45	2220250	1	Fitting, Reducer	
46	2220459	1	Fitting, Elbow	
47	2720271	15ft./4.6m	Hose 3/16in	
48	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
49	0100020	AR	Sealant, Thread	
50	0100011	AR	Compound, Locking	
51	Not Used			
52		AR	Coupling, Rubber Intake Options:	
	2720351	3in./8cm	Prior to SN 0300067971	
	2720449	1	SN 0300067971 to SN 0300077586	
53	0700808	4	Bolt M8 x 16mm	
54	2720434	1	Elbow, Rubber	
55	4845395	1	Air Intake Adapter Weldment	
56	0641510	3	Bolt 5/16in-18NC x 1-1/4in	
57	3311505	3	Locknut 5/16in-18NC	
58	0961986	2	Bushing, Flanged	
59	2901609	1	Battery Cable Kit	
59A	7016800	1	Cable, Battery (Red)	
59B	7016809	1	Cable, Battery (Black)	
59C	7016802	1	Cable (Red)	
59D	7016803	1	Cable (Red)	
59E	7016824	1	Cable (Red)	
59F	7016825	1	Cable (Black)	
60	4460611	1	Terminal, Battery Jumper Post	
61	1320223	3	J-Clip 1/2in	
62	0641606	3	Bolt 3/8in-16NC x 3/4in	
63	3422532	1	Pin, Hitch	
64	3790044	1	O-Ring	
65	3960407	1	Gasket	
66	4791400	4	Starwasher 1/4in	
67	0701012	4	Bolt M10 x 25mm	
68	0701015	4	Bolt M10 x 35mm	
69	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
70	4752000	1	Flatwasher 5/8in Regular	
71	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
72	2720058	16ft/4.9m	Hose	
73	2220794	1	Fitting, Barbed	
74	4711600	3	Flatwasher 3/8in Thin	
75	3200362	2	Mount, Rubber Engine (Front)	
76	3960468	1	Seal, Foam Gasket	
77	3960469	1	Seal, Foam Gasket	
78	0641608	14	Bolt 3/8in-16NC x 1in	
79	4060805	7in/18cm	Flex-Trim 1/4in	
80	4060804	16in/40cm	Flex-Trim 3/16in	
81	1060637	1	Lanyard	
82	0641808	2	Bolt 1/2in-13NC x 1in	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (PRIOR TO SN 0300077586) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
83	3311801	1	Nut 1/2in-13NC	
84	4751800	1	Flatwasher 1/2in Regular	
85	4567815	1	Tuning Tube Weldment	
86	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
87	4740274	4	Washer, Snubbing	
88	2200222	1	Plug, Pipe (Not Shown - Located in Bottom of Fuel Tank)	
89	1320223	1	J-Clip (Not Shown - Located above Fuel Tank)	
90	4711900	6	Flatwasher 9/16in Thin	
91	3960549	11in/28cm	Seal, Hood	
92	3539934	1	Plate, Seal	
93	0641406	4	Bolt 1/4in-20NC x 3/4in	
94	3960464	42in/1m	Seal, Hood	
95	4922737	1	Harness, Relay Ground	
		Ref	MUFFLER INSTALLATIONS	
	0256689	Ref	Standard Equipment (Spark Arresting)	—
	0256690	Ref	Optional Equipment (Catalytic)	—
201		1	Muffler Options:	
	3220103		Spark Arresting	
	3220104		Catalytic	
		1	Clamp Options:	
	1320176		Saddle Clamp Used on Spark Arresting	
	70001017		Band Clamp Used on Catalytic	
	7024398	1	Tube, Exhaust	
	7024560	1	Plug, Brass	
	2000178	Ref	ENGINE COMPONENTS	
301	8320270	1	Filter, Fuel (was p/n 7016328)	
302	7000663	1	Alternator (was p/n 7020410)	
	7020464	1	Regulator, Voltage	
	70002234	1	Bracket, Adjustable	
303	7020168	1	Switch, Engine Temperature (Not Shown - Located Beside #1 Injector)	
	7020480	1	Ring, Seal (Not Shown - Used with Temperature Switch)	
304	7016331	1	Filter, Oil	
305	7020479	1	Starter	
306	7026631	1	Dipstick Oil Level	
307	7020461	1	Switch, Oil Pressure	
308	7020408	1	V-Belt	
309	7020458	1	Actuator, Throttle (was p/n 7020478)	
310	7024318	4	Pump, Fuel Injection (was p/n 7023488)	
311	7020463	1	Pump, Fuel Supply	
	7020411	1	Seal - Supply Pump to Engine Block	
312	7020449	4	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
313	7020465	1	Cap, Oil Filter	
314	70000045	1	Pump, Oil (was p/n 7020484)	
	7020468	1	Seal - Oil Pump to Engine Block	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (PRIOR TO SN 0300077586) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
315	7024565	1	Sensor, Speed (was p/n 7020481)	
	70003931	1	Bolt	
	70003931	1	Spacer	
316	See Note	1	Flywheel (Not Shown) (Note: Not Available for Purchase)	
	7024579		Ring Gear	
317	7020471	4	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
318		1	Gasket, Cylinder Head Options (Not Shown):	
	70002415		1 Notch	
	70002416		2 Notches	
	70002417		3 Notches	
	0256847	Ref	PUMP COUPLING INSTALLATION	2
401	1660234	1	Coupling, Hayes	
402	0080163	1	Plate, Pump Adapter	
403	0700810	6	Bolt M8 x 20mm	
404	4831900	6	Lockwasher M8	
405	Not Used			
406	4832000	8	Lockwasher M10 (Prior to SN 0300084703)	
407	3020021	AR	Grease, Coupling	

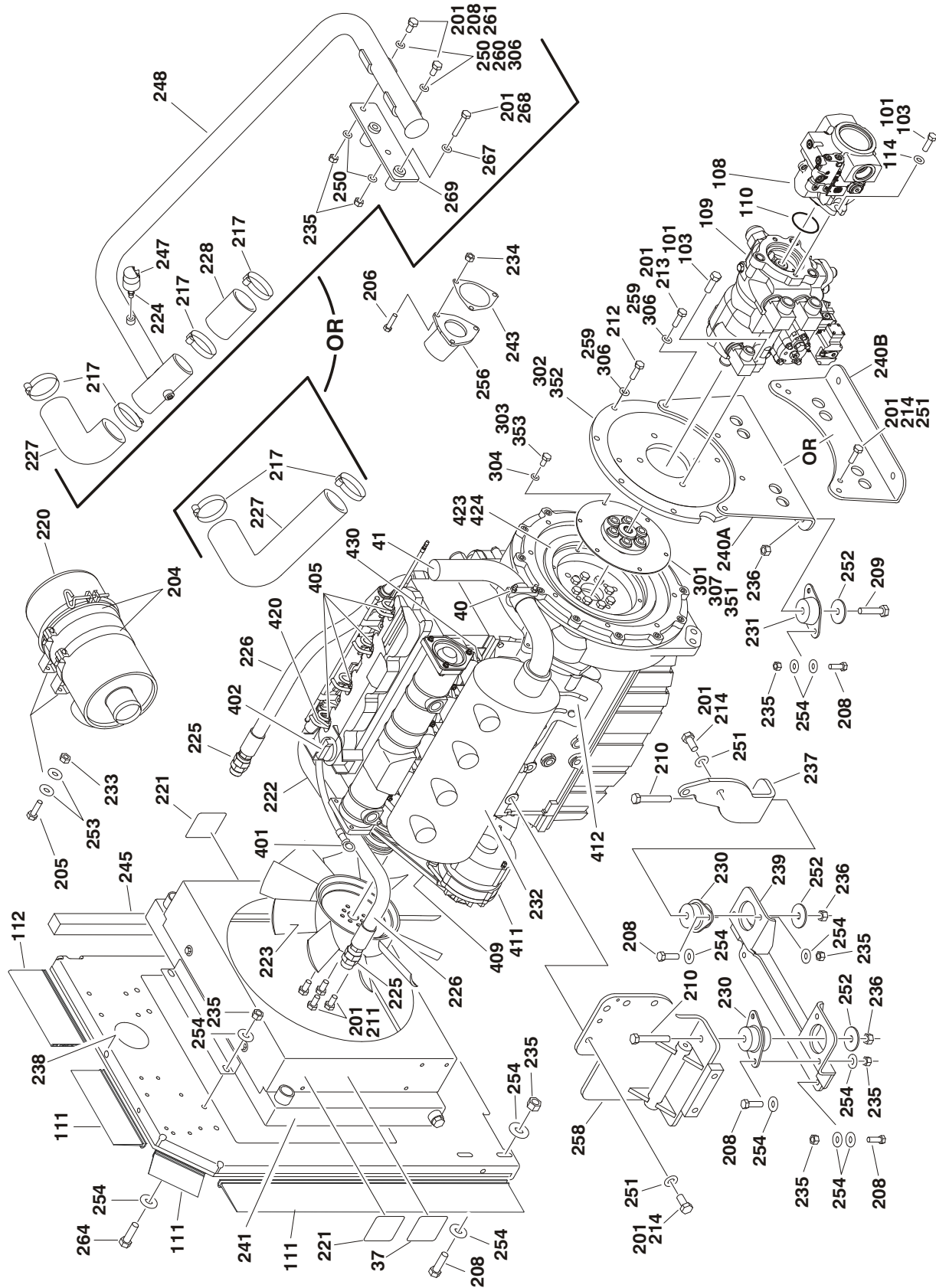
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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (PRIOR TO SN 0300077586) (CONTINUED)

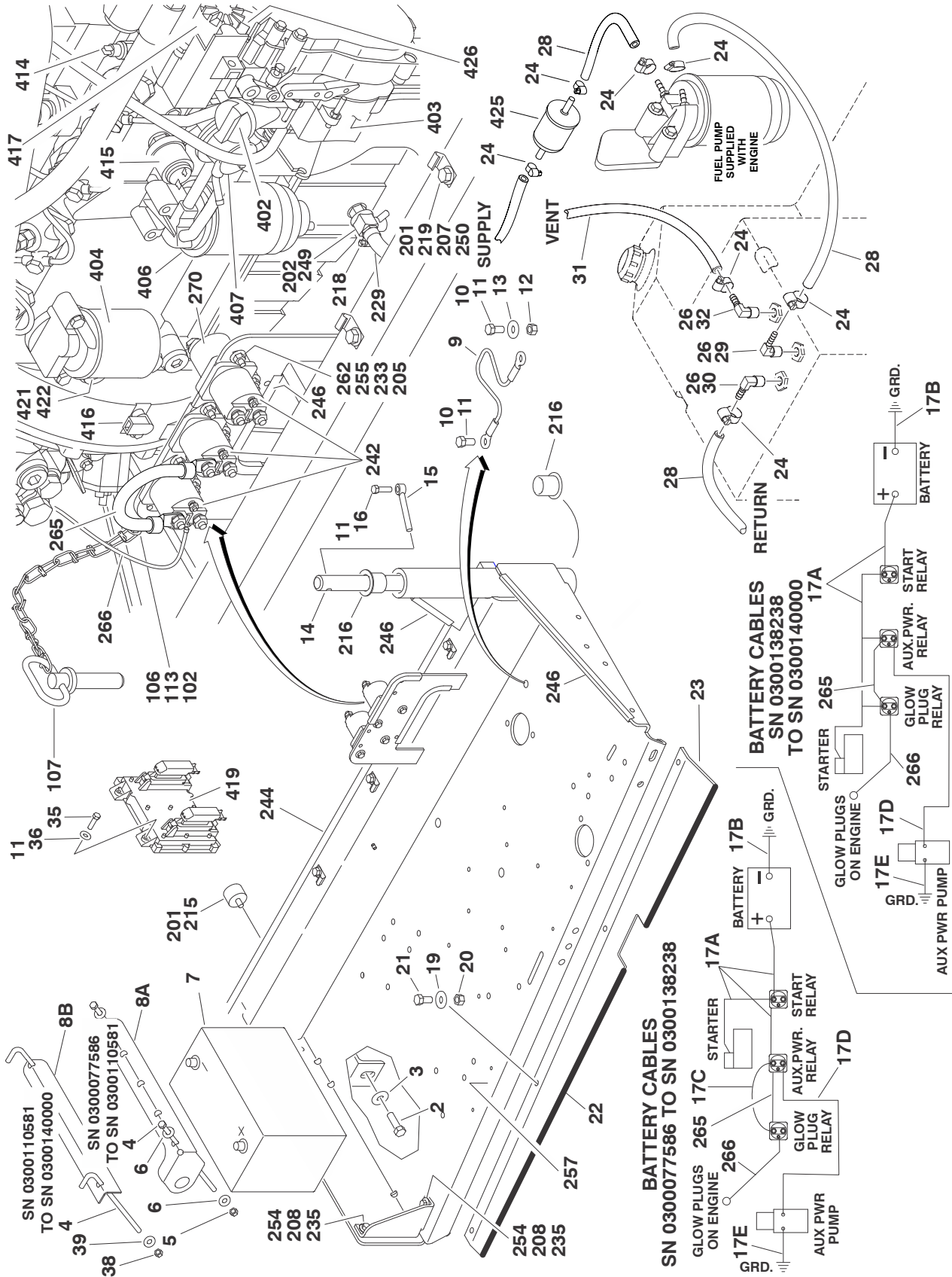
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)



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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DEUTZ ENGINE INSTALLATION	
		Ref	Without Arctic Package	
	0273800	Ref	Tier II Engines (SN 0300077586 to SN 0300085332)	3/B
	0274302	Ref	Tier II Engines (SN 0300085332 to SN 0300129454)	G
	1001099829	Ref	Tier III Engines (SN 0300129454 to SN 0300140000)	A
		Ref	With Arctic Package	
	0275584	Ref	Tier II Engines (SN 0300077586 to SN 0300129454)	D
	1001100382	Ref	Tier III Engines (SN 0300129454 to SN 0300140000)	A
1	Not Used			
2	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
3	4752000	1	Flatwasher 5/8in Regular	
4		2	Bolt, Battery Hold-down Options:	
	0630498		SN 0300077586 to SN 0300110581	
	1001093382		SN 0300110581 to SN 0300140000	
5	3311605	2	Locknut 3/8in-16NC (SN 0300077586 to SN 0300110581)	
6	4751600	4	Flatwasher 3/8in Regular (SN 0300077586 to SN 0300110581)	
7	0400075	1	Battery	
8		1	Hold-down, Battery Options:	
8A	0181727		SN 0300077586 to SN 0300110581	
8B	91401281		SN 0300110581 to SN 0300140000	
9	1060637	1	Cable, Lanyard	
10	0641808	2	Bolt 1/2in-13NC x 1in	
11	0100011	AR	Compound, Locking	
12	3311801	1	Nut 1/2in-13NC	
13	4751800	1	Flatwasher 1/2in Regular	
14	3422446	1	Pin, Pivot	
15	3841143	1	Pin, Keeper	
16	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
17			Battery Cable Kit Options:	
	2902401	1	Battery Cable Kit (SN 0300077586 to SN 0300138238) (Note: 2902401 Rev A version is no longer available. Verify whether machine is equipped with 2 or 3 relays on the engine tray. If there are 3 relays, purchase latest revision of 2902401 kit. If there are 2 relays, purchase individual items as replacement.)	A
	2902401	1	Battery Cable Kit (SN 0300138238 to SN 0300140000)	B
17A	7016813	1	Cable, Battery (Red) (SN 0300077586 to SN 0300138238)	
	1001116288	1	Cable, Battery (Red) (Machines SN 0300138238 to SN 0300140000 with 3 Relays on Engine Tray) (was p/n 7027027)	
	1001116287	1	Cable, Battery (Red) (Machines SN 0300138238 to SN 0300140000 with 2 Relays on Engine Tray) (was p/n 7027027)	
17B	7027012	1	Cable, Battery (Black) (SN 0300077586 to SN 0300138238)	
	7027004	1	Cable, Battery (Black) (SN 0300138238 to SN 0300140000)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
17C	7016803	1	Cable, Battery (Red) (SN 0300077586 to SN 0300138238)	
	Not Required	1	Cable, Battery (Red) (SN 0300138238 to SN 0300140000 - Part of 17A)	
17D	7016824	1	Cable (Red)	
17E	7016825	1	Cable (Black)	
18	4922737	1	Harness, Engine Grounding (Not Shown)	
19	4751400	4	Flatwasher 1/4in Regular (SN 0300077586 to SN 0300089980)	
20	3311405	4	Locknut 1/4in-20NC (SN 0300077586 to SN 0300089980)	
21	0641406	4	Bolt 1/4in-20NC x 3/4in (SN 0300077586 to SN 0300089980)	
22	3960464	3.5ft/1.1m	Seal (SN 0300077586 to SN 0300089980)	
23	3539934	1	Plate (SN 0300077586 to SN 0300089980)	
24	1320022	5	Clamp, Hose	
25	1320223	1	Clamp (Not Shown - Located on Turntable to clamp fuel line)	
26	0100020	AR	Sealant, Pipe	
27	2200222	1	Fitting, Plug (Not Shown - Located on Fuel Tank for Drain)	
28	2720058	30ft/9.2m	Hose	
29	2180348	1	Fitting, Straight Barbed	
30	2221176	1	Fitting, Elbow Barbed	
31	2750532	7ft/2.1m	Hose	
32	2220313	1	Fitting, Elbow	
33	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
34	4922978	1	Harness, Start Assist Solenoid (SN 0300077586 to SN 0300085332)	
35	0641412	4	Bolt 1/4in-20NC x 1-1/2in (SN 0300085332 to SN 0300140000)	
36	4711400	4	Flatwasher 1/4in Thin (SN 0300085332 to SN 0300140000)	
37		1	Decal - Warning Explosion/Fire Options (SN 0300092776 to SN 0300140000):	
	1704972		ANSI Spec	
	1706098		Australian & CE Spec	
	1706059		Brazilian Spec	
	1706060		Chinese Spec	
	1706064		CSA Spec	
	1706062		Japanese Spec	
	1706061		Korean Spec	
	1706063		Spanish Language	
38	88521205	2	Locknut, Nylon Insert 5/16in-18NC (SN 0300110581 to SN 0300140000)	
39	4751500	2	Flatwasher 5/16in Regular (SN 0300110581 to SN 0300140000)	
40	1320176	1	Clamp (SN 0300129454 to SN 0300140000)	
41	1001101948	1	Tube, Exhaust (SN 0300129454 to SN 0300140000)	
		Ref	Note: Arctic Package Items 42 - 51 Not Shown - Used on Arctic Machines Only	
42	1060626	1	Cord, 3 Way Extension (Located on Left Front of Engine)	
43	1702941	1	Decal - Battery Heater (Located on Battery Heater)	
44	1702942	1	Decal - Engine Block Heater (Located on Right Side of Engine)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	1702943	1	Decal - Hydraulic Tank Heater (Located on bottom of Hydraulic Oil Tank)	
46	1702944	1	Decal - Heater Cord (Located on Left Front of Engine)	
47	2580024	1	Heater, Battery (Located on Battery)	
48	2580050	1	Heater, Hydraulic Tank (Located on bottom of Hydraulic Oil Tank)	
49	0641608	1	Bolt 3/8in-16NC x 1in	
50	1060625	1	Cable, Immersion Heater (Located on bottom of Hydraulic Oil Tank)	
51	1320223	2	Clamp	
		Ref	ENGINE AND PUMP ASSEMBLIES	
		Ref	Without Arctic Package	
	2000233	Ref	Tier II Engines (SN 0300077586 to SN 0300085332)	B
	2000285	Ref	Tier II Engines (SN 0300085332 to SN 0300129454)	D
	1001099828	Ref	Tier III Engines (SN 0300129454 to SN 0300140000)	B
		Ref	With Arctic Package	
	2000391	Ref	Tier II Engines (SN 0300077586 to SN 0300129454)	C
	1001100381	Ref	Tier III Engines (SN 0300129454 to SN 0300140000)	B
101	0100011	AR	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) (SN 0300077586 to SN 0300092776)	
106	3311405	1	Locknut 1/4in-20NC	
107	3422532	1	Pin, Hitch	
108	3600411	1	Load Sensing Pump Assembly with Fittings Options (See LOAD SENSING PUMP ASSEMBLY for Breakdown):	
109	3600410	1	Piston Pump Assembly with Fittings Options (See PISTON PUMP ASSEMBLY for Breakdown):	
110		1	O-Ring Options:	
	3790152		SN 0300077586 to SN 0300138160	
	3790044		SN 0300138160 to SN 0300140000	
111	3960548	3.66ft/1.1m	Seal, Hood	
112	3960549	1ft/0.3m	Seal, Hood	
113	4751400	2	Flatwasher 1/4in Regular	
114	4891800	2	Flatwasher 1/2in Hardened	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ENGINE AND PUMP ASSEMBLIES	
		Ref	Without Arctic Package	
	2000219	Ref	Tier II Engines (SN 0300077586 to SN 0300085332)	F
	2000279	Ref	Tier II Engines (SN 0300085332 to SN 0300092776)	E
	2000342	Ref	Tier II Engines (SN 0300092776 to SN 0300129454)	B
	1001098508	Ref	Tier III Engines (SN 0300129454 to SN 0300140000)	E
		Ref	With Arctic Package	
	2000365	Ref	Tier II Engines (SN 0300077586 to SN 0300129454)	B
	1001099640	Ref	Tier III Engines (SN 0300129454 to SN 0300140000)	F
	0256689	Ref	MUFFLER INSTALLATION - SPARK ARRESTING (SN 0300077586 TO SN 0300129454)	—
	0256690	Ref	MUFFLER INSTALLATION - CATALYTIC (SN 0300079610 TO SN 0300129454)	—
201	0100011	AR	Compound, Locking	
202	0100020	AR	Sealant, Pipe	
203	Not Used			
204	0340041	2	Band, Air Cleaner	
205	0641407	AR	Bolt 1/4in-20NC x 7/8in	
206	0641510	3	Bolt 5/16in-18NC x 1-1/4in	
207	0641606	3	Bolt 3/8in-16NC x 3/4in	
208	0641610	AR	Bolt 3/8in-16NC x 1-1/4in	
209	0641818	2	Bolt 1/2in-13NC x 2-1/4in	
210	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
211	0700808	4	Bolt M8 x 16mm	
212	0701012	2	Bolt M10 x 25mm (SN 0300077586 to SN 0300129454)	
213		4	Bolt Options:	
	0701015		Bolt M10 x 35mm (SN 0300077586 to SN 0300085332)	
	0701014		Bolt M10 x 30mm (SN 0300085332 to SN 0300092776)	
	0701015		Bolt M10 x 35mm (SN 0300092776 to SN 0300129454)	
214	0701414	AR	Bolt M14 x 130mm	
215	0940070	1	Bumper	
216	0961986	2	Bushing, Flanged	
217	1320016	AR	Clamp	
218	1320022	1	Clamp, Hose (SN 0300077586 to SN 0300136498)	
219	1320223	4	J-Clip	
220	1340060	1	Air Cleaner Assembly Including Filter Element	
	7012664	1	Element, Filter (Not Shown)	
221	1703162	2	Decal - Caution Fan Blade	
222		1	Engine, Deutz - F4M2011 Options:	
	2000216		SN 0300077586 to SN 0300085332 (Tier II)	
	2000274		SN 0300085332 to SN 0300092776 (Tier II)	
	2000339		SN 0300092776 to SN 0300129454 (Tier II)	
	1001094101		SN 0300129454 to SN 0300140000 (Tier III)	
223	2060025	1	Fan	
224	2180798	1	Fitting (SN 0300077586 to SN 0300085332)	
225	2220451	2	Fitting, Straight	
226	2720398	2	Hose, Oil Cooler	
227		1	Elbow, Rubber Options:	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2720434		SN 0300077586 to SN 0300136498	
	1001091179		SN 0300136498 to SN 0300140000	
228	2720449	1	Hose, Air Cleaner (SN 0300077586 to SN 0300136498)	
229			Hose, Oil Drain Options:	
	2750532	1ft/30cm	SN 0300077586 to SN 0300136498	
	1001091892	6in/15cm	SN 0300136498 to SN 0300140000	
230	3200362	2	Mount, Motor	
231	3200406	2	Mount, Motor	
232		1	Muffler Options:	
			Spark Arresting (Standard)	
	3220103		SN 0300077586 to SN 0300129454 (Tier II)	
	1001099051		SN 0300129454 to SN 0300140000 (Tier III)	
			Catalytic (Optional)	
	3220104		SN 0300077586 to SN 0300129454 (Tier II)	
	1001101241		SN 0300129454 to SN 0300140000 (Tier III)	
			Muffler Components:	
		1	Clamp Options: (SN 0300077586 to SN 0300129454 Only) (Tier II)	
	1320176		Saddle Clamp Used on Spark Arresting	
	70001017		Band Clamp Used on Catalytic	
	7024398	1	Tube, Exhaust (SN 0300077586 to SN 0300129454 Only) (Tier II)	
	7024560	1	Plug, Brass	
233	3311405	AR	Locknut 1/4in-20NC	
234	3311505	3	Locknut 5/16in-18NC	
235	3311605	AR	Locknut 3/8in-16NC	
236	3311805	4	Locknut 1/2in-13NC	
237	3537416	1	Plate, Engine Mounting (Front Right Side)	
238	3539872	1	Plate, Radiator Mounting	
239	3539971	1	Plate, Engine Mounting (Front Bottom)	
240		1	Plate, Engine Mounting (Rear) Options:	
240A	3574978		Tier II Engines (SN 0300077586 to SN 0300129454)	
240B	1001093943		Tier III Engines (SN 0300129454 to SN 0300140000)	
241	3620033	1	Radiator	
242	3740067	AR	Relay Options:	
		2	SN 0300077586 to SN 0300092776	
		3	SN 0300092776 to SN 0300140000	
243	3960407	1	Gasket, Air Intake	
244	3960468	1	Seal	
245	3960469	1	Seal	
246	4060805	37in/1m	Flex-Trim	
247	4360392	1	Indicator, Restriction (SN 0300077586 to SN 0300085332)	
248		1	Tube, Tuning Options:	
	4567815		SN 0300077586 to SN 0300085332	
	4569171		SN 0300085332 to SN 0300129454	
	1001099686		SN 0300129454 to SN 0300136498	
249		1	Valve, Oil Drain Options:	
	4640751		SN 0300077586 to SN 0300136498	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001104308		SN 0300136498 to SN 0300140000	
250	4711600	AR	Flatwasher 3/8in Thin	
251		AR	Flatwasher Options:	
	4711900		Flatwasher 9/16in Thin (SN 0300077586 to SN 0300092776)	
	4812200		Flatwasher M14 (SN 0300092776 to SN 0300140000)	
252	4740274	4	Washer, Snubbing	
253	4751400	AR	Flatwasher 1/4in Regular	
254	4751600	AR	Flatwasher 3/8in Regular	
255	4791400	AR	Starwasher 1/4in	
256	4845395	1	Adapter, Air Intake	
257		1	Tray, Engine Options:	
	4845404		Tier II Engines (SN 0300077586 to SN 0300129454)	
	1001094321		Tier III Engines (SN 0300129454 to SN 0300140000)	
258	4846566	1	Plate, Engine Mounting (Front Left Side)	
259	4711700	6	Flatwasher 7/16in Thin (SN 0300084703 to SN 0300129454)	
260	4751700	2	Flatwasher 7/16in Regular (SN 0300084703 to SN 0300129454)	
261		2	Bolt M10 x 25mm	
	0701012		Bolt M10 x 25mm (SN 0300077586 to SN 0300085332)	
	0701015		Bolt M10 x 35mm (SN 0300085332 to SN 0300129454)	
262		AR	Flatwasher Options:	
	4751400	4	Flatwasher 1/4in Regular (SN 0300077586 to SN 0300092776)	
	4711400	6	Flatwasher 1/4in Thin (SN 0300092776 to SN 0300140000)	
263		3.75gal	Oil, Motor Options (Not Shown):	
	3020016		Without Arctic Package	
	3020044		With Arctic Package	
264		6	Bolt Options:	
	0641610		Bolt 3/8in-16NC x 1-1/4in (SN 0300077586 to SN 0300092776)	
	0641609		Bolt 3/8in-16NC x 1-1/8in (SN 0300092776 to SN 0300140000)	
265	1060904	1	Cable, Jumper (SN 0300092776 to SN 0300140000)	
266	4923379	1	Harness, Glowplug	
267	4891600	2	Flatwasher 3/8in Regular (SN 0300129454 to SN 0300136498)	
268	0711025	2	Bolt Metric M10 x 85mm (SN 0300129454 to SN 0300136498)	
269	1001098916	1	Support, Resonator (SN 0300129454 to SN 0300136498)	
270	3740080	1	Relay (SN 0300129454 to SN 0300140000)	
		Ref	Note: Arctic Package Item 271 Not Shown - Used on Arctic Machines Only	
271	2580062	1	Heater, Engine Block	
	0256847	Ref	PUMP COUPLING INSTALLATION - TIER II ENGINES (SN 0300077586 TO SN 0300129454)	2
301	1660234	1	Coupling, Hayes	
302	0080163	1	Plate, Pump Adapter	
303	0700810	63	Bolt M8 x 20mm	
304	4831900	6	Lockwasher M8	
305	Not Used			
306	4832000	8	Lockwasher M10 (SN 0300077586 to SN 0300084703)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
307	3020021	AR	Grease, Coupling	
	2902065	Ref	PUMP COUPLING INSTALLATION - TIER III ENGINES (SN 0300129454 TO SN 0300140000)	C
351	70000793	1	Coupling	
352	Use 2902065	1	Plate, Pump Adapter (Not Shown) (Note: Not Available - Purchase Complete Coupling)	
353	See Note	18	Capscrew M10 (Note: Not Available for Purchase)	
		Ref	ENGINE COMPONENTS	
	2000216	Ref	Tier II Engines (SN 0300077586 to SN 0300085332)	D
	2000274	Ref	Tier II Engines (SN 0300085332 to SN 0300092776)	B
	2000339	Ref	Tier II Engines (SN 0300092776 to SN 0300129454)	B
	1001094101	Ref	Tier III Engines (SN 0300129454 to SN 0300140000)	B
401	7026631	1	Dipstick (2000216, 2000274 & 2000339 Engines)	
	7020487	1	O-Ring, Dipstick	
	70001002	1	Dipstick (1001094101 Engine)	
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)	
	70001423	1	Bracket, Oil Filter	
	70001848	1	Sensor at Oil Filter (1001094101 Engine Only)	
	70001132	1	Seal, Sensor at Oil Filter (1001094101 Engine Only)	
405		4	Pump, Injector Options:	
			Tier II Engines	
	7027246		Series A Injector	
	7027608		Series B Injector	
	7027609		Series C Injector	
	7027610		Series D Injector	
			Tier III Engines	
	70000912		Series A Injector	
	70000913		Series B Injector	
	70000914		Series C Injector	
	70000915		Series D Injector	
		4	Gasket Options (1 per Injector):	
	7020447		Tier II Engines (SN 0300077586 to SN 0300129454)	
	See Note		Tier III Engines (SN 0300129454 to SN 0300140000) (Note: Not Available for Purchase)	
406	8320270	1	Filter, Fuel (was p/n 7016328)	
407	70000916	1	Pump, Fuel Supply (was p/n 7027238)	
	70001435	1	Kit, Repair for 70000916 Pump	
	70000919	1	Hand Pump for 70000916 Pump	
	70000918	1	Seal, Hand Pump for 70000916 Pump	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		1	O-Seal Between Fuel Pump & Engine Block Options (Not Shown):	
	7020411		7027238 Pump (SN 0300077586 to SN 0300129454)	
	70000917		70000916 Pump (SN 0300129454 to SN 0300140000)	
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)	
	70001836	1	Gasket, Exhaust (Engine Head to Header) (SN 0300129454 to SN 0300140000) (Not Shown)	
	70001835	1	Gasket, Exhaust (Header to EGR Valve Block) (SN 0300129454 to SN 0300140000) (Not Shown)	
	70001841	1	Valve, EGR (SN 0300129454 to SN 0300140000) (Not Shown)	
	70001838	2	Gasket, Exhaust (EGR Valve Block to Exhaust Tube) (SN 0300129454 to SN 0300140000) (Not Shown)	
	70001874	1	Plate Choke (Between 70001838 Gaskets) (SN 0300129454 to SN 0300140000) (Not Shown)	
	70001837	1	Gasket, Exhaust (Exhaust Tube to Muffler) (SN 0300129454 to SN 0300140000) (Not Shown)	
	70001839	1	Flange, Sealing (Near Front of Header) (includes Seal & Pin) (SN 0300129454 to SN 0300140000) (Not Shown)	
411	7000663	1	Alternator (was p/n 7020410 & 7016329)	
		1	Regulator, Voltage Options (Not Shown):	
	7020464		SN 0300077586 to SN 0300129454	
	70001868		SN 0300129454 to SN 0300140000	
	70001866	1	Gasket, Regulator (SN 0300129456 to SN 0300140000) (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 (SN 0300077586 to SN 0300085332)	
	7027791	1	Transmitter, Temperature (SN 0300085332 to SN 0300140000)	
	See Note	1	Ring, Sealing (Note: Not Available for Purchase.)	
415	7020461	1	Sensor, Oil Pressure (SN 0300077586 to SN 0300085332)	
	7027790	1	Sensor, Oil Pressure (SN 0300085332 to SN 0300140000)	
416	7024565	1	Sensor, Speed	
417	7020458	1	Actuator, Throttle (SN 0300077586 to SN 0300085332)	
	7027792	1	Actuator, Throttle (SN 0300085332 to SN 0300140000)	
	7026607	2	Spring, Actuator (was p/n 7027276)	
418		1	Sensor, Temperature Options (Not Shown):	
	7027236		Tier II Engines (SN 0300077586 to SN 0300129454)	
	See Note		Tier III Engines (SN 0300129454 to SN 0300140000)	
			(Note: Not Available for Purchase.)	
419	7027795	1	Module, EMR2 Controller (SN 0300085332 to SN 0300140000)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	7027796	1	Harness. EMR2 Module (SN 0300085332 to SN 0300140000)	
420	70000345	4	Plug, Glow (SN 0300092776 to SN 0300140000)	
421	7020459	1	Thermostat	
422	7020460	1	Spring, Compression	
423		1	Flywheel Options:	
	70000264		Tier II Engines (SN 0300077586 to SN 0300129454)	
	70001870		Tier III Engines (SN 0300129454 to SN 0300140000)	
424	7024579	1	Rim, Gear	
425	7027245	1	Filter, Fuel In-line (2000216 Engine Only)	
426		1	Start Solenoid Options:	
	7027239		Tier II Engines (SN 0300077586 to SN 0300129454)	
	See Note		Tier III Engines (SN 0300129454 to SN 0300140000)	
			(Note: Not Available for Purchase.)	
427	70001847	1	Breather Valve (Not Shown)	
	70001126	1	Seal, Breather Valve (Not Shown)	
428		1	Gasket, Cylinder Head Options (Not Shown):	
		1	Gasket (2000216, 2000274 & 2000339 Engines):	
	70003001		1 Notch	
	70003002		2 Notches	
	70003003		3 Notches	
		1	Gasket (1001094101 Engine):	
	70002415		1 Notch	
	70002416		2 Notches	
	70002417		3 Notches	
429		1	Timing Belt/Idler Kit Options (Not Shown):	
	70000800		SN 0300077586 to SN 0300085332	
	See Note		SN 0300085332 to SN 0300140000 (Note: Not Available for Purchase.)	
430	70002200	8	Stud (Used to attach muffler)	
431		1	Harness. Engine Options (Not Shown):	
	See Note		SN 0300077586 to SN 0300085332 (Note: Not Available for Purchase.)	
	7027794		SN 0300085332 to SN 0300129454	
	70001872		SN 0300129454 to SN 0300140000	
	7027793	1	Plug, Connector	
432	70001847	1	Breather, Valve (Not Shown - Located On Front Cover)	
			(SN 0300129454 to SN 0300140000)	
	70001126	1	Seal, Breather (SN 0300129454 to SN 0300140000)	

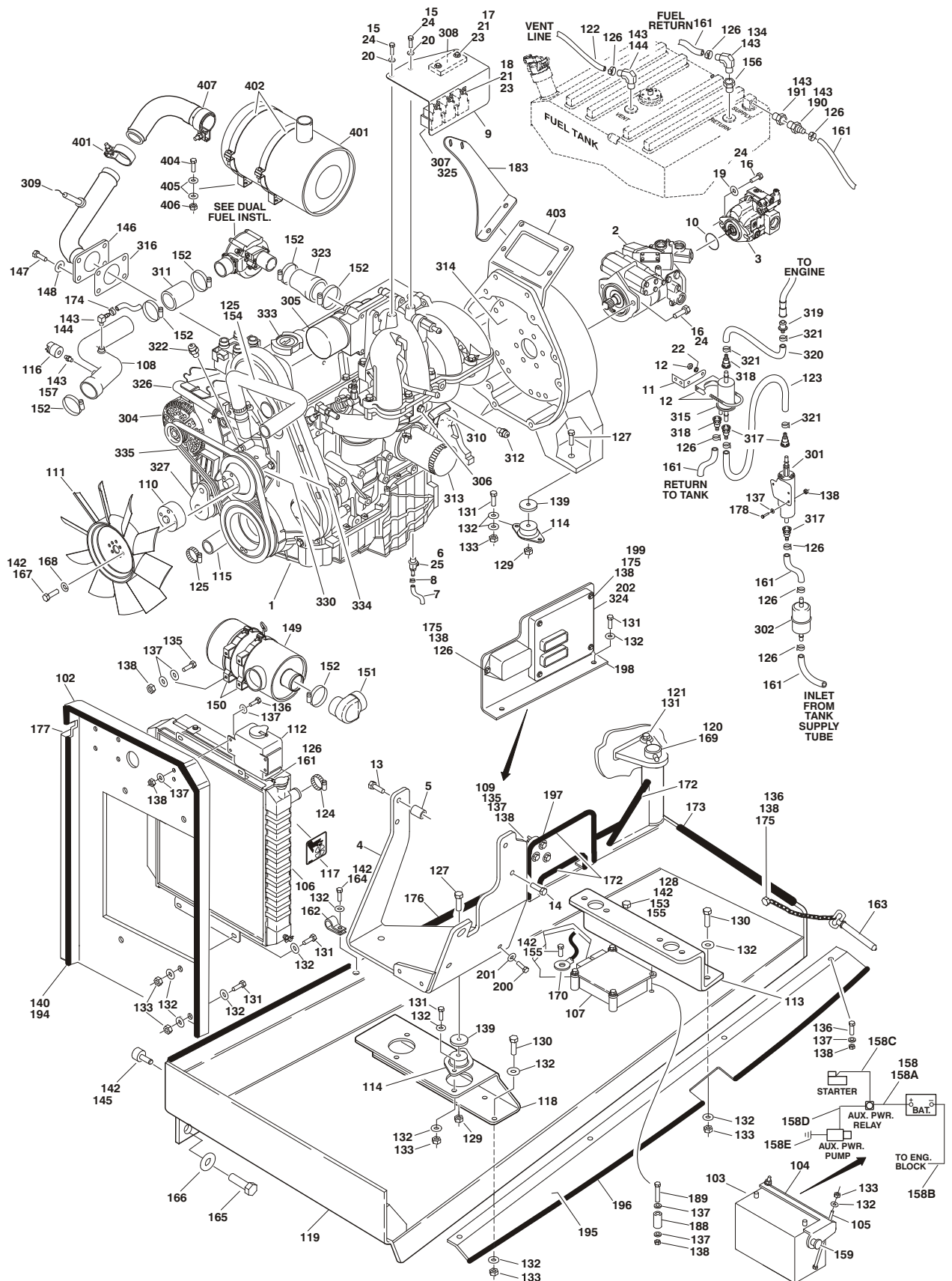
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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077586 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-12. FORD ENGINE INSTALLATION (PRIOR TO SN 0300079612)



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FIGURE 2-12. FORD ENGINE INSTALLATION (PRIOR TO SN 0300079612)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ENGINE ASSEMBLIES	
	0271257	Ref	Dual Fuel Machines (Prior to SN 0300073336)	2/A
	0272842	Ref	Dual Fuel Machines (SN 0300073336 to SN 0300079612)	3/C
1		1	Engine - Ford LRG-425 EFI Options:	
	2000174		Dual Fuel (Prior to SN 0300073336)	
	2000193		Dual Fuel (SN 0300073336 to SN 0300079612)	
2	3600295	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown)	
3	3600324	1	Load Sensing Pump Assembly (See LOAD SENSING PUMP ASSEMBLY for Breakdown)	
4		1	Plate, Engine Mounting - Front Options:	
	3539972		Prior to SN 0300073336	
	4846806		SN 0300073336 to SN 0300079612	
5	4566605	1	Tube, Spacer	
6	4640989	1	Valve, Oil Drain	
7	2750532	6in/21cm	Hose	
8	1320022	1	Clamp	
9	3571498	1	Plate, Module Mounting	
10	3790044	1	O-Ring	
11	0902539	1	Bracket	
12	1320019	1	Clamp	
13	0701022	2	Bolt, Metric 10mm-1.5 x 70mm	
14	0701014	2	Bolt, Metric 10mm-1.5 x 30mm	
15	0700810	3	Bolt, Metric 8mm-1.25 x 20mm	
16	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
17	0721014	2	Screw #10-24NC x 1-3/4in	
18	0721006	3	Screw #10-24NC x 3/4in (Prior to SN 0300073336)	
19	4891800	2	Flatwasher 1/2inHardened	
20	4751500	2	Flatwasher 5/16in Regular	
21	4751000	8	Flatwasher #10 Regular	
22	4761500	2	Lockwasher 5/16in	
23	3311005	5	Locknut #10-24NC	
24	0100011	AR	Compound, Locking	
25	0100020	AR	Sealant	
		Ref	ENGINE INSTALLATIONS	
	0270879	Ref	Dual Fuel Machines (Prior to SN 0300073336)	8/H
	0272873	Ref	Dual Fuel Machines (SN 0300073336 to SN 0300079612)	4/D
101	Not Used			
102	3539872	1	Mount, Radiator	
103	0400075	1	Battery	
104	0181727	1	Tie-Down	
105	0630498	2	Bolt, Tie-Down	
106	3620040	1	Radiator	
	Use 8180311	1	Cap, Radiator (was p/n 7019656)	
107	1600314	1	ECM Module (Prior to SN 0300073336)	
108	4846046	1	Weldment, Air Intake Tube	

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FIGURE 2-12. FORD ENGINE INSTALLATION (PRIOR TO SN 0300079612) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
109	3740067	1	Relay, Auxiliary Power Relay	
110	0080214	1	Adapter, Fan Spacer	
111	2060025	1	Fan, Suction	
112	1580011	1	Container, Coolant Overflow Container	
113	3570133	1	Plate, Engine Mounting (Rear)	
114	3200362	4	Mount, Rubber	
115	2720435	1	Hose, Lower Radiator (Lower)	
116	4360392	1	Switch, Restriction Indicator Switch	
117	1703162	2	Decal - Fan Blade	
118		1	Plate, Engine Mount (Front) Options:	
	3570103		Prior to SN 0300073336	
	3574122		SN 0300073336 to SN 0300079612	
119	4845404	1	Tray, Engine	
120	3422446	1	Pin, Pivot	
121	3841143	1	Pin, Keeper	
122	2750532	6ft/1.83m	Hose	
123	2720472	1	Hose	
124	1320060	1	Clamp, Hose - 0.625 (Prior to SN 0300073336)	
125	1320012	4	Clamp, Hose, Radiator	
126	1320022	7	Clamp, Hose	
127	0641828	4	Bolt 1/2in-13NC x 3-1/2in	
128	4751800	1	Flatwasher 1/2in Regular	
129	3311805	4	Hex Nut 1/2in - 13UNC	
130	0641610	8	Bolt 3/8in-16NC x 1-1/4in	
131	0641608	AR	Bolt 3/8in-16NC x 1in	
132	4751600	53	Flatwasher 3/8in Regular	
133	3311605	AR	Locknut 3/8in-16UNC	
134	2220805	1	Fitting	
135	0641408	6	Bolt 1/4in-20NC x 1in	
136	0641406	AR	Bolt 1/4in-20NC x 3/4in	
137	4751400	AR	Flatwasher 1/4in Regular	
138	3311405	AR	Locknut 1/4in x 20UNC	
139	4740274	4	Washer, Snubbing	
140		4ft/1.2m	Seal Options:	
	3960389		Prior to SN 0300073336	
	3960548		SN 0300073336 to SN 0300079612	
141	Not Used			
142	0100011	AR	Compound, Locking	
143	0100020	AR	Sealant, Pipe	
144	2220313	AR	Fitting, Elbow Barbed	
145	0940070	1	Bumper, Rubber	
146	4567879	1	Tube, Exhaust	
147	0701012	4	Bolt 10m x 1.5 x 25 mm	
148	4832000	4	Lockwasher M10	
149	1340060	1	Air Cleaner Assembly	
	7012664	1	Filter, Air Cleaner	
150	0340041	2	Band, Muffler/Air Cleaner	
151	0080201	1	Fitting, Elbow Reducing	
152	1320016	AR	Clamp, Worm Gear	
153	3311801	1	Hex Nut 1/2in-13 UNC	

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FIGURE 2-12. FORD ENGINE INSTALLATION (PRIOR TO SN 0300079612) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
154	2720436	1	Hose, Radiator (Upper)	
155	1641808	2	Bolt 1/2in-13NC x 1in	
156	2220430	1	Fitting, Reducer	
157	2180798	AR	Fitting, Restriction Indicator	
158	2901608	1	Battery Cable Kit	
158A	7016800	1	Cable, Battery (Red)	
158B	7016807	1	Cable, Battery (Black)	
158C	7016808	1	Cable (Red)	
158D	7016824	1	Cable (Red)	
158E	7016825	1	Cable (Black)	
159	4460611	1	Terminal, Battery Jumper Post	
160	Not Used			
161	2720058	21ft/6.2m	Hose	
162	1320223	3	Clamp, "J" Clip 1/2in	
163	3422532	1	Pin, Hitch	
164	0641606	3	Bolt 3/8in-16NC x 3/4in	
165	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
166	4752000	1	Flatwasher 5/8in Regular	
167	0700819	4	Bolt M8 x 1.25 x 55mm	
168	4831900	4	Lockwasher M8	
169	0961986	2	Bearing, Flange	
170	1060637	1	Cable, Lanyard	
171	1701542	1	Decal - Gasoline (Not Shown - Located Near Tank)	
172	4060804	AR	Flex-Trim Options:	
		19in/49cm	Prior to SN 0300067701	
		2.9ft/0.88m	SN 0300067701 to SN 0300079612	
173	4060806	16in/41cm	Flex-Trim (Prior to SN 0300067701)	
174	1320032	AR	Clamp, Hose	
175	4711400	AR	Flatwasher, 1/4in Thin	
176	3960468	1	Seal, Foam	
177	3960469	1	Seal, Foam	
178	0641416	3	Bolt 1/4in-20NC x 2in	
179 to 182	Not Used			
183	0902572	1	Bracket, LP Mounting (Dual Fuel Machines Only)	
184 to 187	Not Used			
188	4568158	4	Standoff 1/4in x 2in (Prior to SN 0300073336)	
189	0641424	4	Bolt 1/4in-20NC x 3in (Prior to SN 0300073336)	
190	2220794	1	Fitting, Barbed	
191	2220273	1	Fitting, Reducer	
192	2200222	1	Plug, Pipe (Not Shown - Located on Bottom of Fuel Tank)	
193	1320223	1	J-Clip (Not Shown - Located Above Fuel Tank)	
194	3960549	11in/28cm	Seal	
195	3539934	1	Plate, Seal	
196	3960464	42in/1m	Seal, Hood	
197	4922737	1	Harness, Relay Ground	
198	3574162	1	Plate, ECM/Relay Mounting (SN 0300073336 to SN 0300079612)	
199	0641414	4	Bolt 1/4in-20NC x 1-3/4in (SN 0300073336 to SN 0300079612)	
200	0641808	1	Bolt 1/2in-13NC x 1in (SN 0300073336 to SN 0300079612)	

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FIGURE 2-12. FORD ENGINE INSTALLATION (PRIOR TO SN 0300073336) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
201	4771800	2	Starwasher 1/2in (SN 0300073336 to SN 0300079612)	
202	0100048	AR	Grease, Dielectric	
		Ref	ENGINE COMPONENTS	
	2000174	Ref	Prior to SN 0300073336	B
	2000193	Ref	SN 0300073336 to SN 0300079612	D
301	3600377	1	Fuel Pump & Isolator Assembly (was p/n 7022133)	
	7022134	1	Harness, Fuel Pump Wiring	
302	91083218	1	Filter, Fuel (was p/n 7022135)	
303	7019986	1	Starter (Not Shown)	
304	7019977	1	Alternator with Pulley & Regulator	
	7000897	1	Alternator without Pulley & Regulator	
305		1	Actuator, Throttle Options:	
	7023655		Prior to SN 0300073336	
	Use 70000007		SN 0300073336 to SN 0300079612 (was p/n 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)	
306	7019996	1	Sensor, Air Temperature (was p/n 7023661)	
	7023662	1	Bracket, Air Temperature Sensor	
307	7023681	1	Harness, Engine Control Processor (was p/n 7023663)	
308	7022139	1	Sensor, MAP	
309	7023682	1	Sensor, EGR (was p/n 7019994)	
310	2420187	1	Dipstick (was p/n 7022140)	
	4564281	1	Tube, Dipstick (was p/n 7022146)	
311	7023658	1	Horn, Rubber Air	
312	7023637	1	Switch, Oil Pressure Sender	
313	7021868	1	Filter, Oil (was p/n 7022147, 7022173 & 7014501)	
314	1660250	1	Coupling, Pump (was p/n 7016662)	
	7019976	1	Flywheel	
	7022180	1	Ring Gear	
315	7019993	1	Pressure Regulator & Filter Assembly	
316	70002307	1	Gasket, Exhaust (Manifold to Pipe) (was p/n 7040050)	
	7022143	1	Gasket, Exhaust (Manifold to Cylinder Head) (Not Shown)	
317	7022158	3	Connector	
318	7022159	2	Connector	
319	7022160	1	Connector	
320	7022161	2	Tube, Supply	
321	7022162	2	Clamp	
322	7022178	1	Sensor, Crank	
323	2720314	1	Horn, Rubber Air	
324	1600363	1	Module, EPM (SN 0300073336 to SN 0300079612) (was p/n 7023684)	
		1	EPM Update Kit Options:	
		Ref	Note: Contact JLG Service Dept. to determine which kit is required.	
	2915195		EPM Update Kit (was p/n 7023685)	
	2915196		EPM Update Kit (was p/n 7023686)	

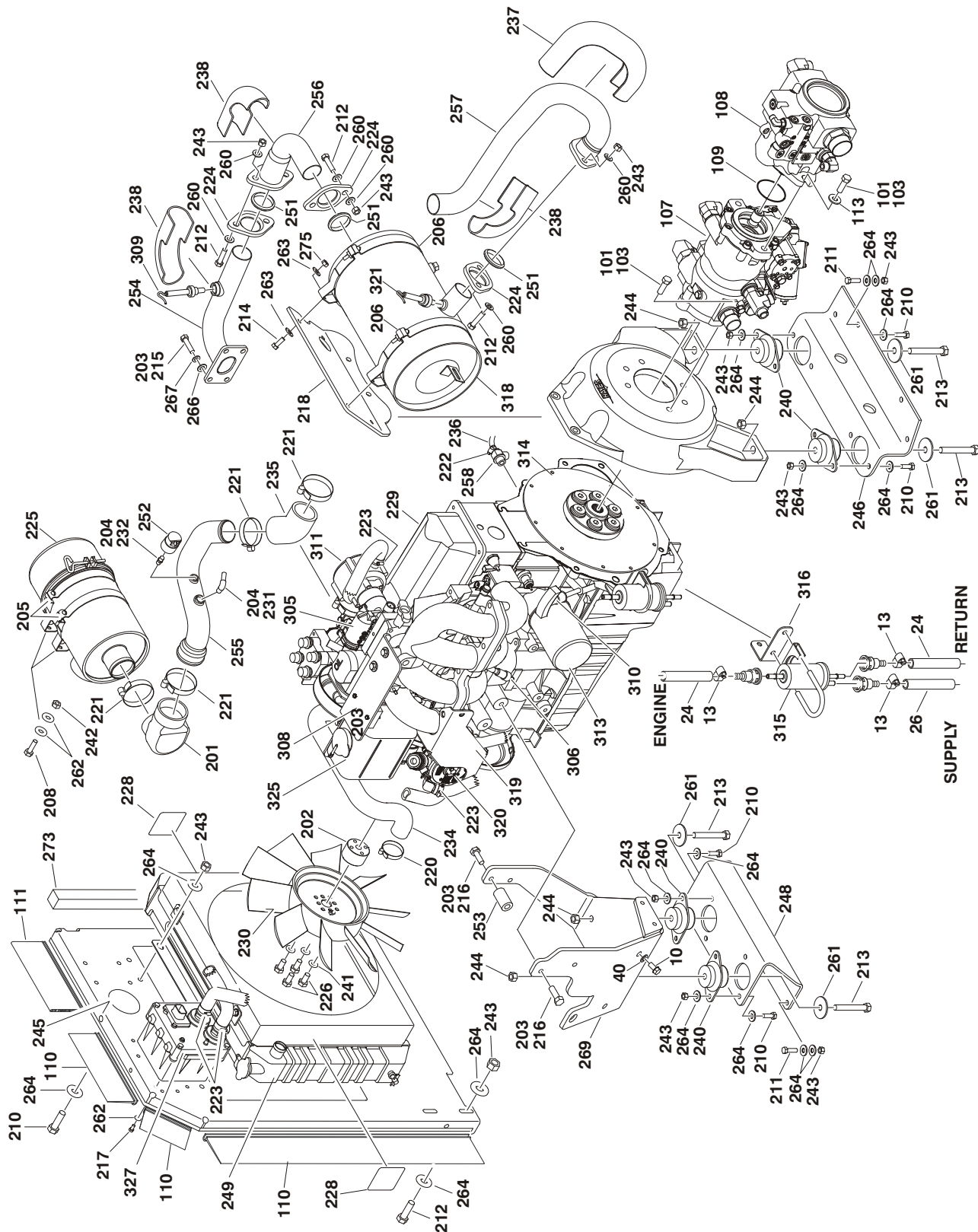
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FIGURE 2-12. FORD ENGINE INSTALLATION (PRIOR TO SN 0300079612) (CONTINUED)

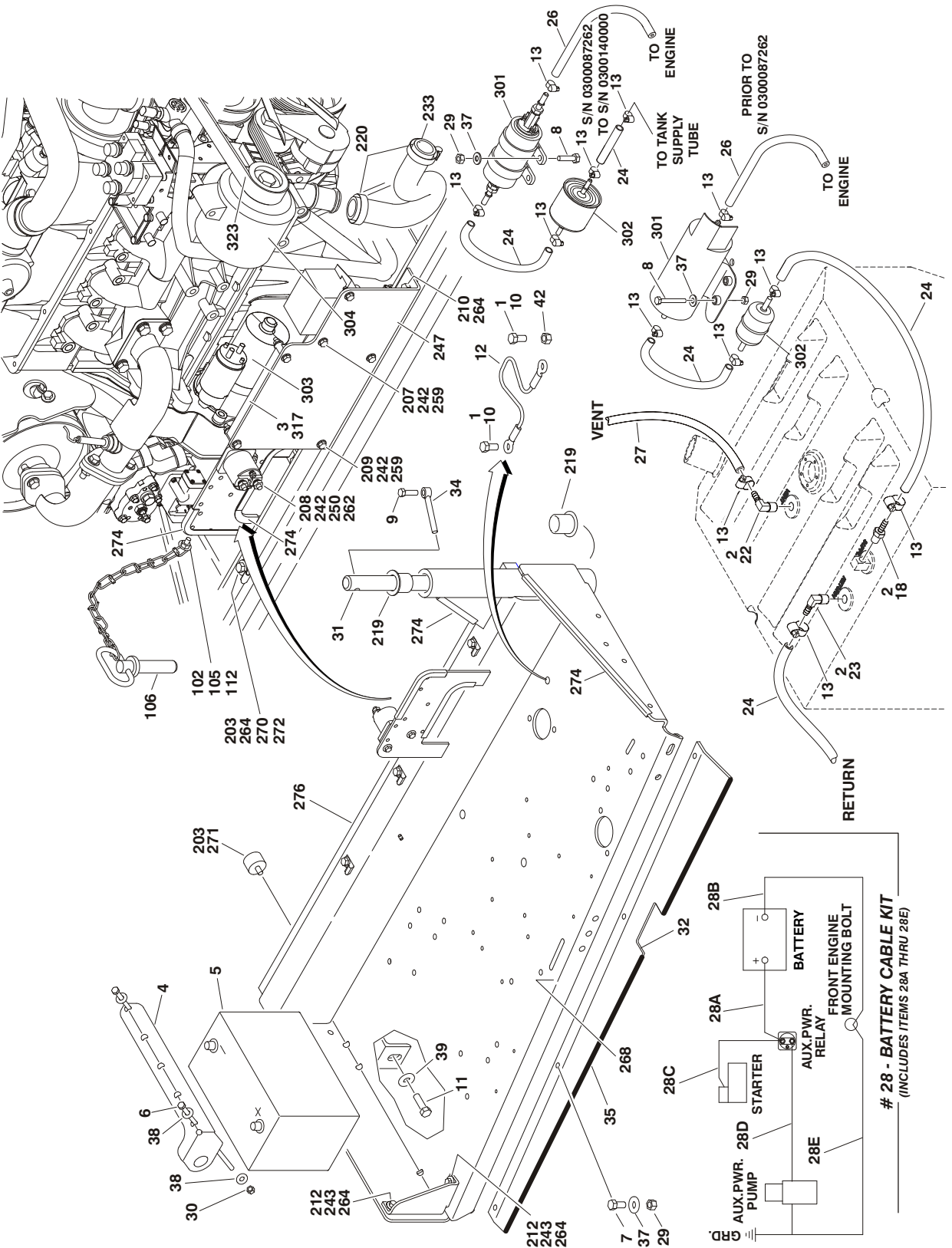
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
325	7023613	3	Relay Options:	
	7023695		Prior to SN 0300073336 (2000174 Engines)	
			SN 0300073336 to SN 0300079612 (2000193 Engines)	
326	7023644	1	Hose, Water Pump (By-Pass)	
327	70002567	1	Tensioner, Belt	
328	7022149	1	Gasket Kit, Lower Manifold (Not Shown)	
	7025124	1	Gasket Kit, Upper Manifold (was p/n 7022148) (Not Shown)	
	7022144	1	Gasket, Upper Manifold Throttle (Not Shown)	
329	7023657	1	Harness, TPS Harness (Not Shown)	
330	7022153	1	Pump, Water	
	7027411	1	Sender, Water (2000174 Engine Only) (Not Shown)	
331	7019925	1	PCV Valve (Not Shown)	
332	7019930	1	Coil, Ignition (Not Shown)	
	7022157	1	Wire Set, Spark Plug (Not Shown)	
	7019932	4	Spark Plug (Not Shown)	
333	7022151	1	Cap, Oil Fill	
334	7022150	1	Belt, Timing	
335	7027402	1	Belt, Drive (was p/n 7019979)	
			— — — — —	
	3124114	1	Service Manual, Ford EFI System Diagnostic	
		Ref	MUFFLER INSTALLATIONS	
	0258390	Ref	Standard Spark Arresting	1
	0258391	Ref	Optional Catalytic	1
401		1	Muffler Options:	
	3220113		Standard Spark Arresting	
	3220114		Optional Catalytic	
	70001017	1	Clamp	
402	0340046	2	Band	
403	0902309	1	Bracket, Muffler	
404	0641507	4	Bolt 5/16in-18NC x 7/8in	
405	4711500	8	Flatwasher 5/16in Thin	
406	3311505	4	Locknut 5/16in-18NC	
407	4567073	1	Tube, Exhaust	
	70001017	1	Clamp	

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FIGURE 2-13. FORD ENGINE INSTALLATION (SN 0300079612 TO SN 0300140000)



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FIGURE 2-13. FORD ENGINE INSTALLATION (SN 0300079612 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	FORD ENGINE INSTALLATIONS	
	0274237	Ref	SN 0300079612 to SN 0300087262	B
	0274627	Ref	SN 0300087262 to SN 0300140000	E
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100048	AR	Grease, Dielectric	
4	0181727	1	Hold-down, Battery	
5	0400075	1	Battery	
6	0630498	2	Bolt, Battery Hold-down	
7	0641406	4	Bolt 1/4in-20NC x 3/4in (SN 0300079612 to SN 0300089980)	
8	0641414	3	Bolt 1/4in-20NC x 1-3/4in	
9	0641608	1	Bolt 3/8in-16NC x 1in	
10	0641808	3	Bolt 1/2in-13NC x 1in	
11	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
12	1060637	1	Cable, Lanyard	
13	1320022	7	Clamp, Hose	
14	1320223	1	Clamp (Not Shown - Located on Turntable to clamp fuel line)	
15	1701542	1	Decal - Gas (Not Shown - Located on Hood)	
16	1701543	1	Decal - LP (Not Shown - Located on Frame)	
17	Not Used			
18	2180348	1	Fitting	
19	2180418	1	Fitting, Straight	
20	2200222	1	Fitting, Plug (Not Shown - Located on Bottom of Fuel Tank) (Apply Item 2 to Fitting)	
21	2220005	1	Fitting, Straight	
22	2220313	1	Fitting, Elbow	
23	2221176	1	Fitting, Elbow	
24	2720058	20.25ft/6.2m	Hose, Fuel Line	
25	2720392	1	Hose, LP	
26	2720472	1	Hose, Fuel Line	
27	2720532	6ft/1.8m	Hose, Fuel Line	
28	2901608	1	Battery Cable Kit (SN 0300079612 to SN 0300087736)	
	2902445	1	Battery Cable Kit (SN 0300087736 to SN 0300140000)	
28A	7016800	1	Cable, Battery (Red) (p/n 2901608)	
	7016821	1	Cable, Battery (Red) (p/n 2902445)	
28B	7016807	1	Cable, Battery (Black) (p/n 2901608)	
	7016822	1	Cable, Battery (Black) (p/n 2902445)	
28C	7016808	1	Cable (Red)	
28D	7016824	1	Cable (Red)	
28E	7016825	1	Cable (Black)	
29	3311405	AR	Locknut 1/4in-20NC	
30	3311605	2	Locknut 3/8in-16NC	
31	3422446	1	Pin	
32	3539934	1	Plate, Seal (SN 0300079612 to SN 0300089980)	
33	Not Used			
34	3841143	1	Pin, Keeper	
35	3960464	3.5ft/1.1m	Seal (SN 0300079612 to SN 0300089980)	
36	Not Used			

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FIGURE 2-13. FORD ENGINE INSTALLATION (SN 0300079612 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
37	4751400	AR	Flatwasher 1/4in Regular	
38	4751600	4	Flatwasher 3/8in Regular	
39	4752000	1	Flatwasher 5/8in Regular	
40	4771800	1	Starwasher 1/2in	
41	1700818	1	Decal - LP Gas (Liquid) (Not Shown - Located on Frame)	
42	3311801	1	Nut 1/2in-13NC	
43	4922737	1	Harness, Engine Grounding (Not Shown)	
		Ref	ENGINE AND PUMP ASSEMBLIES	B
	2000271	Ref	SN 0300079612 to SN 0300087262	
	2000323	Ref	SN 0300087262 to SN 0300140000	
101	0100011	AR	Compound, Locking	
102	0641406	1	Bolt 1/4in-20NC x 3/4in	
103	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
104	Not Used			
105	3311405	1	Locknut 1/4in-20NC	
106	3422532	1	Pin, Hitch	
107	3600410	1	Piston Pump Assembly with Fittings Options (See PISTON PUMP ASSEMBLY for Breakdown):	
108	3600411	1	Load Sensing Pump Assembly with Fittings Options (See LOAD SENSING PUMP ASSEMBLY for Breakdown):	
109		1	O-Ring Options:	
	3790152		SN 0300079612 to SN 0300087262	
	3790044		SN 0300087262 to SN 0300140000	
110	3960548	3.66ft/1.1m	Seal, Hood	
111	3960549	1ft/0.3m	Seal, Hood	
112	4711400	1	Flatwasher 1/4in Thin	
113	4891800	2	Flatwasher 1/2in Hardened	
114	2300004	2.63gal	Fluid, Anti-Freeze (Not Shown)	
		Ref	ENGINE ASSEMBLIES	D
	2000211	Ref	SN 0300079612 to SN 0300087262	
	2000296	Ref	SN 0300087262 to SN 0300140000	
201	0080201	1	Adapter Elbow Elbow	
202	0080214	1	Adapter, Fan Spacer	
203	0100011	AR	Compound, Locking	
204	0100020	AR	Sealant, Pipe	
205	0340041	2	Band, Air Cleaner	
206	0340046	2	Band, Muffler	
207	0641406	2	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	

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FIGURE 2-13. FORD ENGINE INSTALLATION (SN 0300079612 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
216	0701014	4	Bolt 10mm x 30mm	
217	0760606	4	Bolt 6mm x 12mm	
218		1	Bracket, Muffler Options:	
	0902309		SN 0300079612 to SN 0300081682	
	0903079		SN 0300081682 to SN 0300140000	
219	0961986	2	Bushing, Flanged	
220	1320012	4	Clamp	
221	1320016	3	Clamp	
222	1320022	1	Clamp, Hose	
223	1320033	8	Clamp, Hose	
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	4920385	7ft/2.1m	Wire, Safety (Not Shown)	
228	1703162	2	Decal - Caution Fan Blade	
229	Not Used			
230	2060025	1	Fan	
231	2180467	1	Fitting	
232	2180798	1	Fitting, Restriction Indicator (SN 0300079612 to SN 0300087262)	
233	2720435	1	Hose, Radiator (Bottom)	
234	2720436	1	Hose, Radiator (Upper)	
235	2720514	1	Hose, Elbow	
236	2750532	6in/15cm	Hose, Oil Drain	
237	2820172	1	Insulation, Exhaust (Shield)	
238	2820173	3	Insulation, Exhaust (Elbow)	
239	1320019	1	Clamp (Not Shown - Used with Item # 238 on SN 0300079312 to SN 0300081682)	
240	3200362	4	Mount, Motor	
241	4831900	4	Lockwasher M8	
242	3311405	12	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	
	Use 8180311	1	Cap, Radiator (was p/n 7019656)	
250	3740067	1	Relay	
251	3960591	3	Gasket, Exhaust	
252	4360392	1	Indicator, Restriction (SN 0300079612 to SN 0300087262)	
253	4566605	1	Tube, Spacer	
254	4567879	1	Tube, Exhaust	
255		1	Tube, Intake Options:	
	4568951		SN 0300079612 to SN 0300087262	
	4569173		SN 0300087262 to SN 0300140000	
256	4569083	1	Tube, Exhaust	
257	3460398	1	Pipe, Exhaust	

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FIGURE 2-13. FORD ENGINE INSTALLATION (SN 0300079612 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
258	4640989	1	Valve, Oil Drain	
259	4711400	12	Flatwasher 1/4in Thin	
260	4711600	12	Flatwasher 3/8in Thin	
261	4740274	4	Washer, Snubbing	
262	4751400	14	Flatwasher 1/4in Regular	
263	4751500	8	Flatwasher 5/16in Regular	
264	4751600	51	Flatwasher 3/8in Regular	
265	Not Used			
266	4812000	4	Flatwasher M10	
267	4832000	4	Lockwasher M10	
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	
	2000272	Ref	ENGINE COMPONENTS	
301	3600377	1	Fuel Pump & Isolator Assembly (was p/ns 7022133 & 7027407)	C
	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	Use 70000007	1	Actuator, Throttle (was p/n 7023683)	
	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 & 7014501)	
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	

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FIGURE 2-13. FORD ENGINE INSTALLATION (SN 0300079612 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
321	Use 7019994	1	Sensor, EGR (was p/n 7027406)	
322	70002307	1	Gasket, Exhaust (Manifold to Pipe)	
	7022143	1	Gasket, Exhaust (Manifold to Cylinder Head) (was p/n (7027401) Not Shown)	
323	7022150	1	Belt (was p/n 7027402)	
324	7027405	4	Spark Plug (Not Shown)	
325	1580011	1	Bottle, Overflow	
326	7027409	1	Filter, LP 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)	

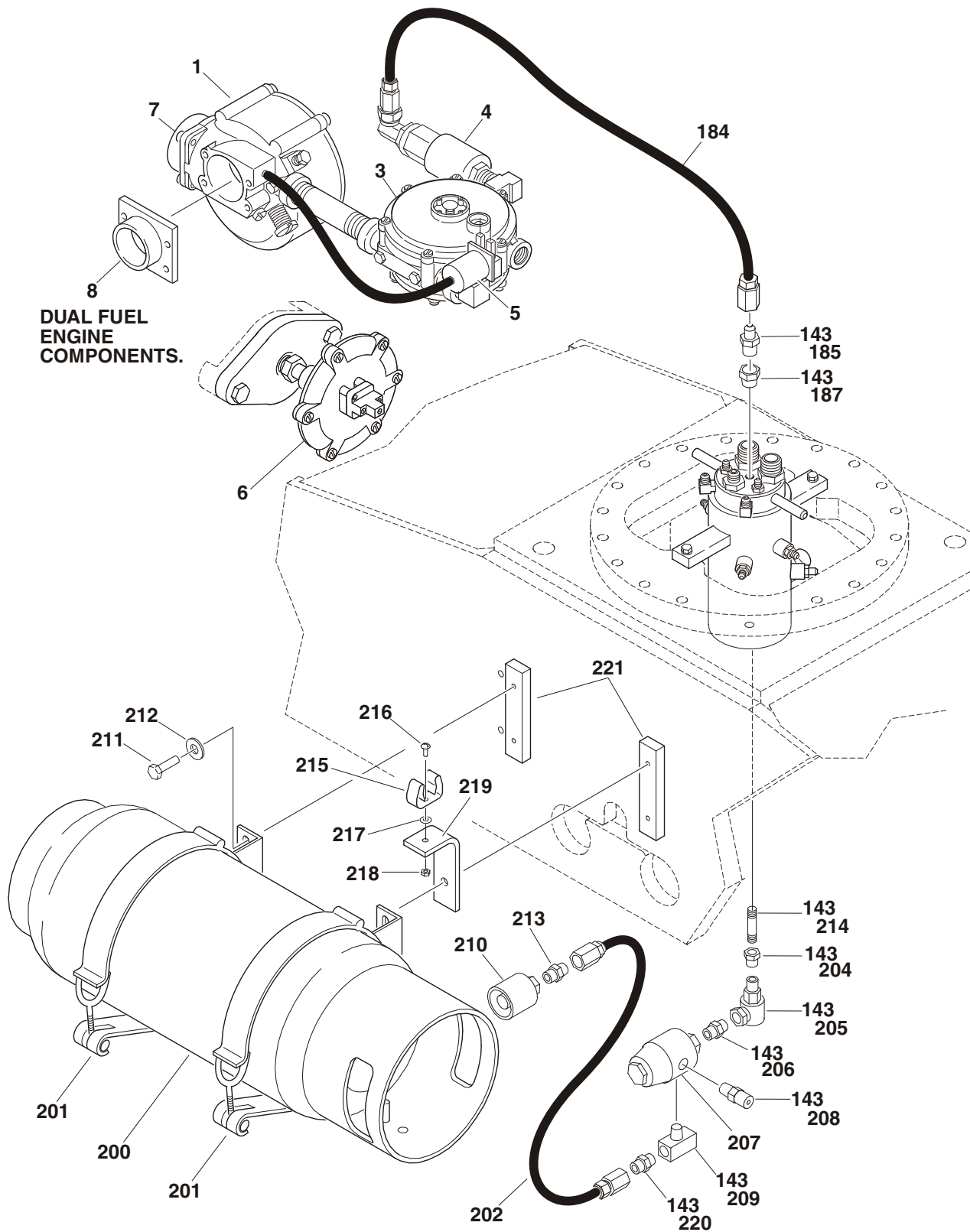
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FIGURE 2-13. FORD ENGINE INSTALLATION (SN 0300079612 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-14. DUAL FUEL INSTALLATIONS



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FIGURE 2-14. DUAL FUEL INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DUAL FUEL ENGINE COMPONENTS (FORD ENGINE MACHINES PRIOR TO SN 0300079612 ONLY)	
		Ref	Note: For Machines built SN 0300079612 to SN 0300140000 refer to preceding engine Installation	
	2000174	Ref	Prior to SN 0300073336	
	2000193	Ref	SN 0300073336 to SN 0300079612	
	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	
2	Not Used			
3	7022167	1	Convertor	
	7022170	1	Repair Kit - 7022167 Convertor	
4	7022169	1	Filter, LP Shut-Off	
	Use 7023680	1	Electrical Connector Kit (Includes (1) 2 Position Connector, 2 Pins and 2 Seals) (was p/n7023679)	
5	7022168	1	Valve, Solenoid	
6	4360188	1	Switch, Vacuum	
7	7023603	1	Adaptor	
8	7022166	1	Adaptor	
		Ref	DUAL FUEL ENGINE COMPONENTS	
	0270879	Ref	Ford Engine Machines Prior to SN 0300073336	8/H
	0272873	Ref	Ford Engine Machines SN 0300073336 to SN 0300140000	4/D
	See Note	Ref	GM Engine Machines (Note: See GM Engine Installation)	
101 to 142	Not Used			
143	0100020	AR	Sealant	
144 to 178	Not Used			
179	4360336	1	Switch, Toggle (Not Shown - Located on Console Box)	
180	3790012	1	O-Ring (Not Shown - Located on Console Box)	
181	1701543	2	Decal - LPG (Not Shown - See Decal Installation)	
182	1700818	2	Decal - Liquid Withdrawal System (Not Shown - See Decal Installation)	
183	0902572	1	Bracket, Convertor Support (Not Shown - See Engine Installation)	
184	2720392	1	Hose	
185	2180418	1	Fitting, Straight	
186	Not Used			
187	2220005	1	Fitting, Reducer	
	0255524	Ref	LP TANK AND BRACKETS INSTALLATION	9/F
200		1	Tank, LP Options:	
	4400275		Aluminum	
	4400420		Steel	
201	1320220	2	Clamp Kit - LP	
	1320127	2	Clamp, Toggle (1 Per Clamp)	

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FIGURE 2-14. DUAL FUEL INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
202	2720144	2	Hose	
203	0100020	AR	Sealant, Pipe	
204	2221197	1	Fitting, Reducer	
205	2180125	1	Fitting, Elbow	
206	2220261	1	Fitting, Nipple	
207	2180388	1	Filter, Bulkhead	
208	2180389	1	Valve, Relief	
209	2220418	1	Fitting, Tee	
210	2180387	2	Fitting, LP Tank	
211	0641606	8	Bolt 3/8in-16NC x 3/4in	
212	4751600	8	Flatwasher 3/8in Regular	
213	2180418	2	Fitting, Straight	
214		1	Fitting, Nipple Options:	
	2221018		Prior to SN 0300136508	
	2220261		SN 0300136508 to SN 0300140000	
215	1320218	2	Clamp, Spring	
216	3910808	2	Screw, Machine #8-32NC x 1/2in	
217	4750800	4	Flatwasher #8 Regular	
218	3310805	2	Locknut #8-32NC	
219	0181949	2	Support, Angle	
220	2221024	2	Fitting, Ball Check	
221	0362519	4	Bar, Clamp	

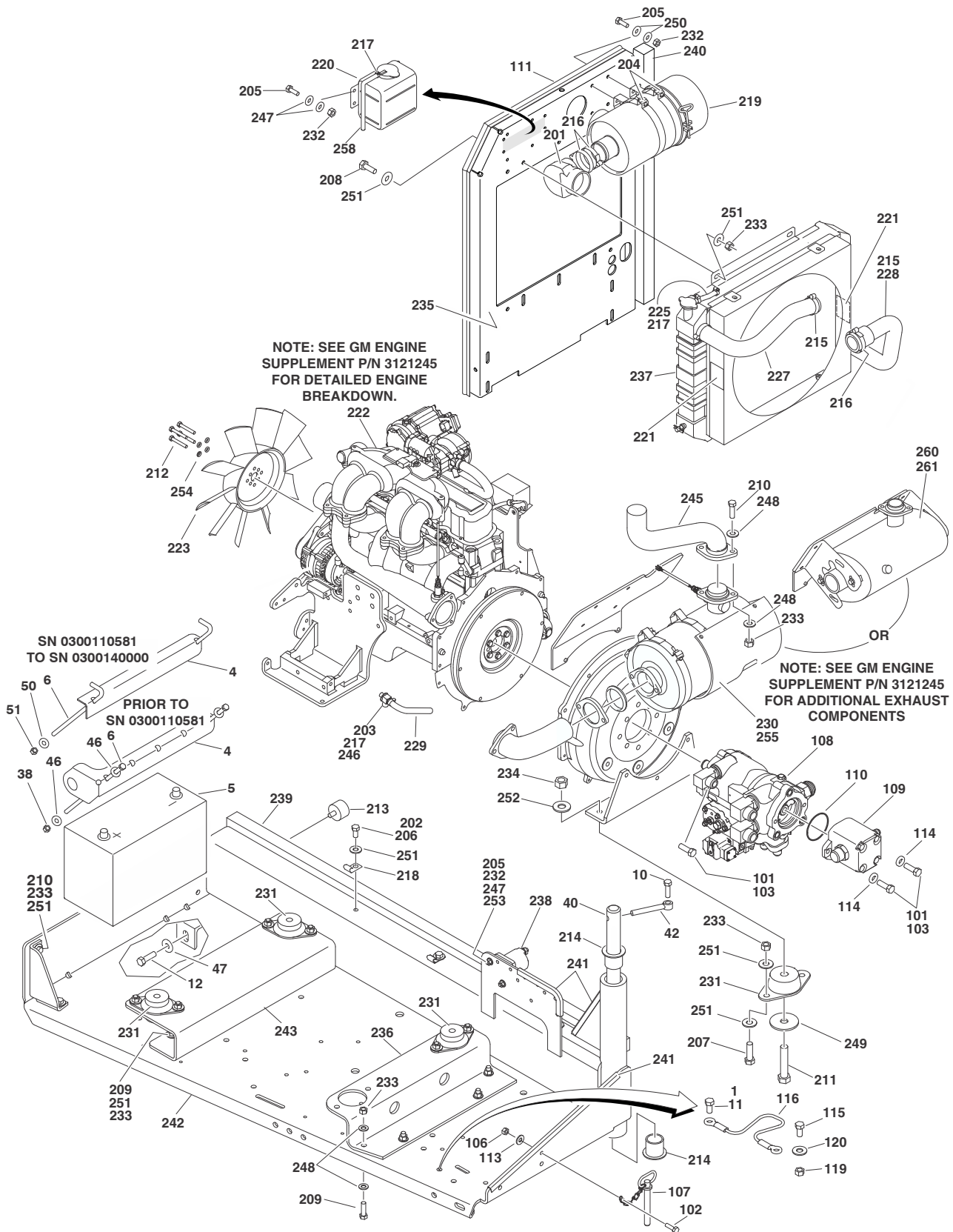
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FIGURE 2-14. DUAL FUEL INSTALLATIONS (CONTINUED)

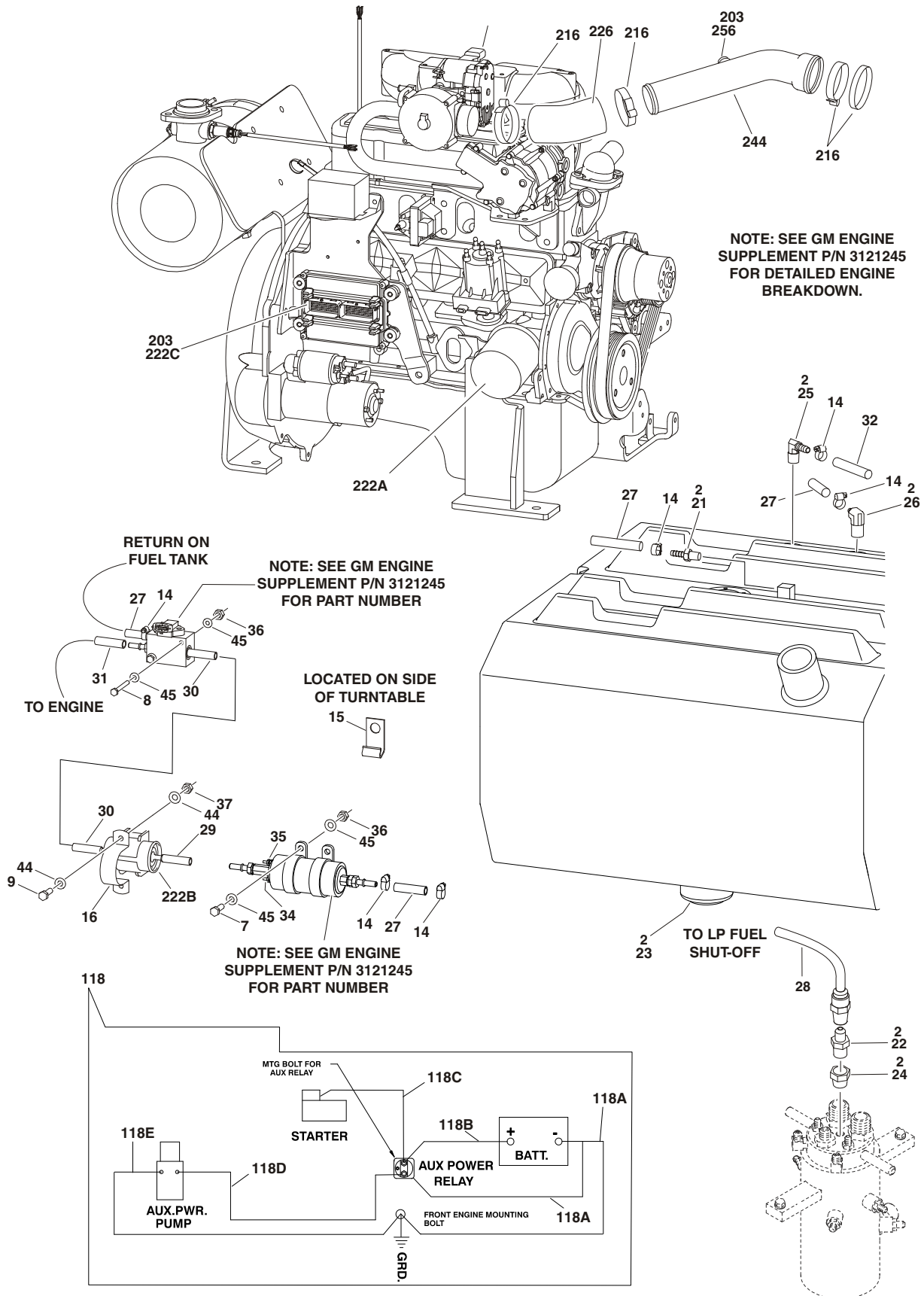
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-15. GM ENGINE INSTALLATION (PRIOR TO SN 0300139210)



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FIGURE 2-15. GM ENGINE INSTALLATION (PRIOR TO SN 0300139210)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GM ENGINE INSTALLATIONS:	
	0275365	Ref	Tier I Engine (Prior to SN 0300109493)	B
	1001091639	Ref	Tier II Engine (SN 0300109493 to SN 0300139210)	F
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100048	AR	Grease, Dielectric	
4		1	Angle, Battery Hold Down Options:	
	0181727		Prior to SN 0300110581	
	91401281		SN 0300110581 to SN 0300139210	
5	0400075	1	Battery (Wet)	
6		2	Bolt, Battery Hold-down Options:	
	0630498		Prior to SN 0300110581	
	1001093382		SN 0300110581 to SN 0300139210	
7	0641412	2	Bolt 1/4in-20NC x 1-1/2in	
8	0641422	2	Bolt 1/4in-20NC x 2-3/4in	
9	0641511	2	Bolt 5/16in-18NC x 1-3/8in	
10	0641608	1	Bolt 3/8in-16NC x 1in	
11	0641808	AR	Bolt 1/2in-13NC x 1in	
12	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
13	Not Used			
14	1320022	5	Clamp, Fuel Line	
15	1320223	1	Clamp (Prior to SN 0300109493)	
16	1320323	1	Clamp	
17	1700818	AR	Decal - LP Gas (Liquid) (Not Shown)	
18	1701542	1	Decal, Gas (Not Shown) (Prior to SN 0300109493)	
19	1701543	AR	Decal, LPG (Not Shown)	
20	Not Used			
21	2180348	1	Fitting, Barbed	
22	2180418	1	Fitting, Straight	
23	2200222	1	Fitting, Plug	
24	2220005	1	Fitting, Straight	
25	2220313	1	Fitting, Elbow Barbed (Prior to SN 0300109493)	
26	2221176	1	Fitting, Elbow	
27		8.5ft/2.6m	Hose, Fuel Line Options:	
	2720058		Prior to SN 0300109493	
	1001091587		SN 0300109493 to SN 0300139210	
28	2720392	1	Hose, LP	
29	2720566	1	Hose, Hi Pressure Fuel Line (6in/15cm Length)	
30	2720567	1	Hose, Hi Pressure Fuel Line (4ft/1.2m Length)	
31	2720580	1	Hose	
32	2750532	6ft/1.8m	Hose	
33	Not Used			B
34	3290405	1	Locknut M4 x 0.7	
35	3290505	1	Locknut M5 x 0.8	
36	3311405	4	Locknut 1/4in x 20NC	
37	3311505	AR	Locknut 5/16in-18NC	
38	3311605	2	Locknut 3/8in-16NC (Prior to SN 0300110581)	
39	Not Used			

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FIGURE 2-15. GM ENGINE INSTALLATION (PRIOR TO SN 0300139210) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
40	3422446	1	Pin	
41	3790012	1	O-Ring (Not Shown - Located in Console Box)	
42	3841143	1	Keeper	
43	4360336	1	Switch, Toggle (Not Shown - Located in Console Box)	
44	4711500	4	Flatwasher 5/16in Thin	
45	4751400	8	Flatwasher 1/4in Regular	
46	4751600	4	Flatwasher 3/8in Regular (Prior to SN 0300110581)	
47	4752000	1	Flatwasher 5/8in Regular	
48	4771800	1	Starwasher 1/2in (Prior to SN 0300109493)	
49	4922737	1	Harness, Grounding (Not Shown)	
50	4751500	2	Flatwasher 5/16in Regular (SN 0300110581 to SN 0300139210)	
51	88521205	2	Locknut, Nylon Insert 5/16in-18NC	
52	2300004	2.63gal.	Fluid, Anti-Freeze (Not Shown)	
		Ref	GM ENGINE AND PUMP SUB-ASSEMBLIES	
	2000379	Ref	Tier I Engine (Prior to SN 0300109493)	B
	1001091640	Ref	Tier II Engine (SN 0300109493 to SN 0300139210)	E
101	0100011	AR	Compound, Locking	
102	0641406	1	Bolt 1/4in-20NC x 3/4in	
103	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
104 to 105	Not Used			
106	3311405	1	Locknut 1/4in-20NC	
107	3422532	1	Pin, Hitch	
108	3600410	1	Piston Pump Assembly with Fittings (See PISTON PUMP ASSEMBLY for Breakdown)	
109	3600411	1	Load Sensing Pump Assembly with Fittings (See LOAD SENSING PUMP ASSEMBLY for Breakdown)	
110	3790044	1	O-Ring	
111	3960548	3.66ft/1.1m	Seal	
112	3960549	1ft/0.3m	Seal	
113	4751400	1	Flatwasher 1/4in Regular	
114	4891800	2	Flatwasher, 1/2in Hardened	
115	0641808	1	Bolt 1/2in-13NC x 1in	
116	1060637	1	Cable, Lanyard	
117	Not Used			
118	2902533	1	Battery Cable Kit	B
118A	7027018	1	Cable (Battery - to Ground)	
118B	7027015	1	Cable (Battery + to Auxiliary Relay)	
118C	7027017	1	Cable (Auxiliary Relay to Starter)	
118D	7016824	1	Cable (Auxiliary Relay to Auxiliary Pump)	
118E	7016825	1	Cable (Ground to Auxiliary Pump)	
119	3311801	1	Nut 1/2in-13NC	
120	4751800	1	Flatwasher 1/2in Regular (SN 0300109493 to SN 0300140000)	

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FIGURE 2-15. GM ENGINE INSTALLATION (PRIOR TO SN 0300139210) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GM ENGINE ASSEMBLIES	
	2000375	Ref	Tier I Engine (Prior to SN 0300109493)	E
	1001091632	Ref	Tier II Engine (SN 0300109493 to SN 0300139210)	E
201	0080201	1	Fitting, Elbow	
202	0100011	AR	Compound, Locking	
203	0100020	AR	Sealant (Prior to SN 0300136498)	
204	0340041	2	Band, Mounting	
205	0641406	10	Bolt 1/4in-20NC x 3/4in	
206	0641606	3	Bolt 3/8in-16NC x 3/4in	
207	0641608	8	Bolt 3/8in-16NC x 1in	
208	0641609	4	Bolt 3/8in-16NC x 1-1/8in	
209	0641610	10	Bolt 3/8in-16NC x 1-1/4in	
210	0641612	4	Bolt 3/8in-16NC x 1-1/2in	
211	0641828	2	Bolt 1/2in-13NC x 3-1/2in	
212	0700810	4	Bolt M8 x 20mm	
213	0940070	1	Bumper	
214	0961986	2	Bearing, Flanged	
215	1320012	3	Clamp	
216	1320016	5	Clamp	
217	1320022	3	Clamp	
218	1320223	3	Clamp	
219	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	
220	1580011	1	Container, Coolant Overflow	
221	1703162	2	Decal - Caution Fan	
222		1	Engine Options (See GM Engine Supplement p/n 3121245 for Breakdown of Additional Components):	
	2000354		Engine, GM 3.0L - Tier I (Prior to SN 0300109493)	
	1001091583		Engine, GM 3.0L - Tier II (SN 0300109493 to SN 0300139210)	
	7027996	4	Plug, Spark (Not Shown)	
222A	7027965	1	Filter, Oil	
222B	7027972	1	Filter, Fuel	
222C	7027994	1	Module, Control (ECU)	
223	2060025	1	Fan	
224	2300004	2.63gal.	Fluid, Anti-Freeze (Not Shown)	
225	2720058	4in/10cm	Hose	
226	2720514	1	Hose	
227	2720563	1	Hose, Radiator (Top)	
228	2720564	1	Hose, Radiator (Bottom)	
229		6in/15.2cm	Hose Options:	
	2750532		Prior to SN 0300136498	
	1001091892		SN 0300136498 to SN 0300139210	
230		1	Muffler, Insulation Options:	
	2820180		Prior to SN 0300109493	
	1001091794		SN 0300109493 to SN 0300139210	
231	3200362	4	Mount, Engine	
232	3311405	10	Locknut 1/4in-20NC	
233	3311605	26	Locknut 3/8in-16NC	

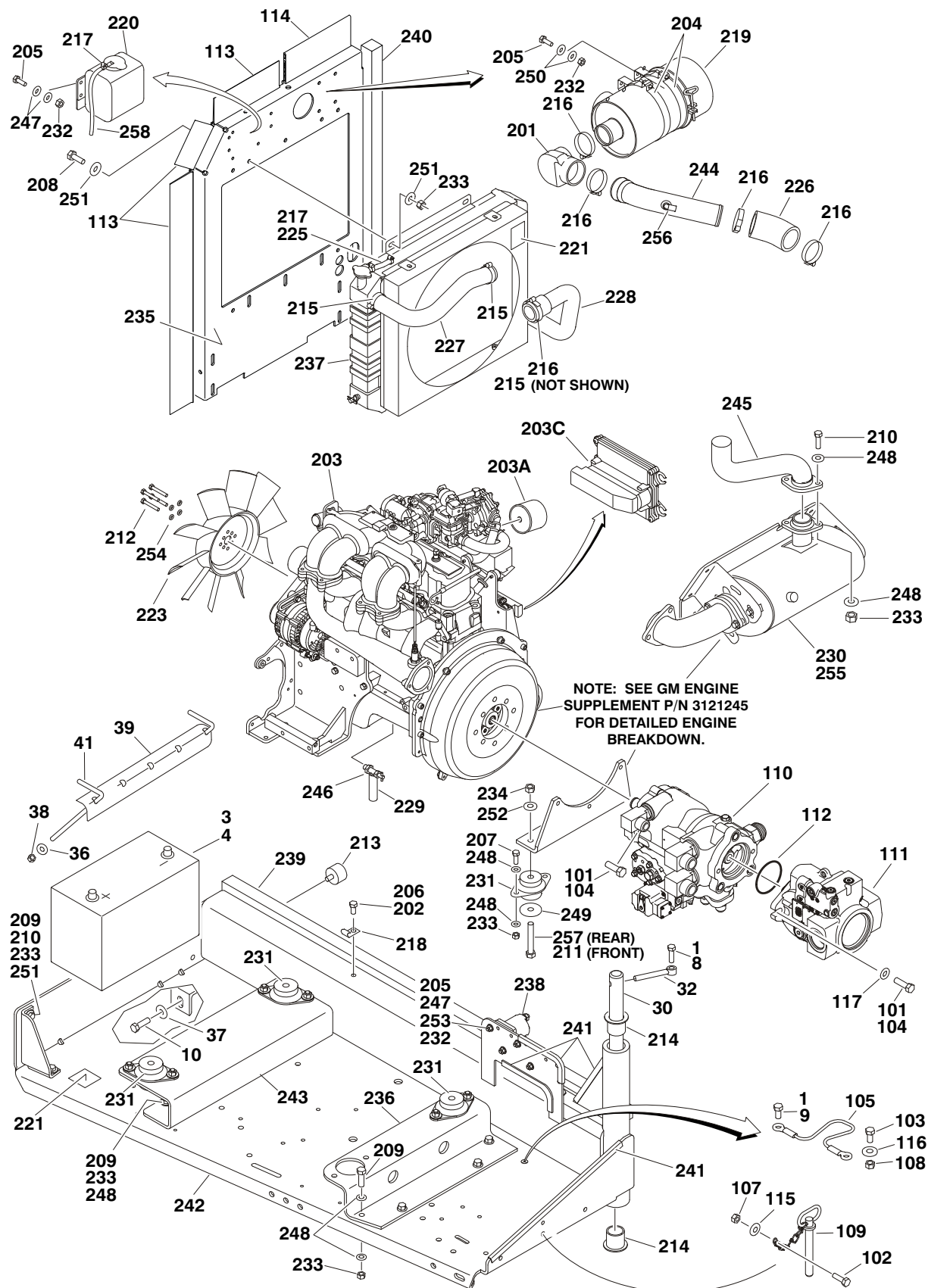
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FIGURE 2-15. GM ENGINE INSTALLATION (PRIOR TO SN 0300139210) (CONTINUED)

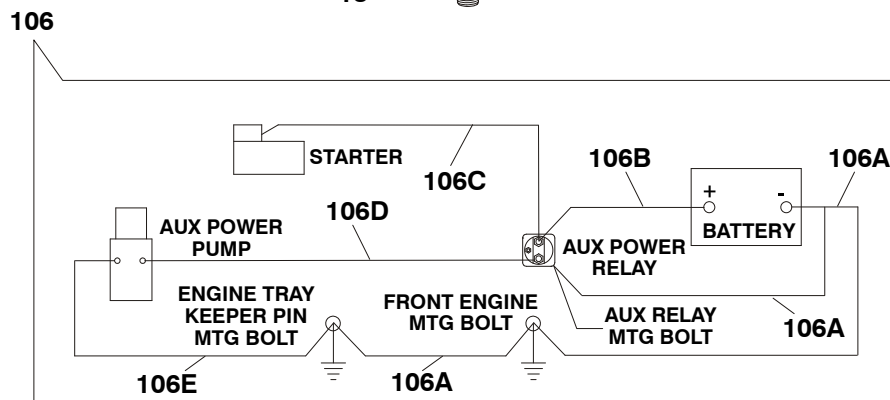
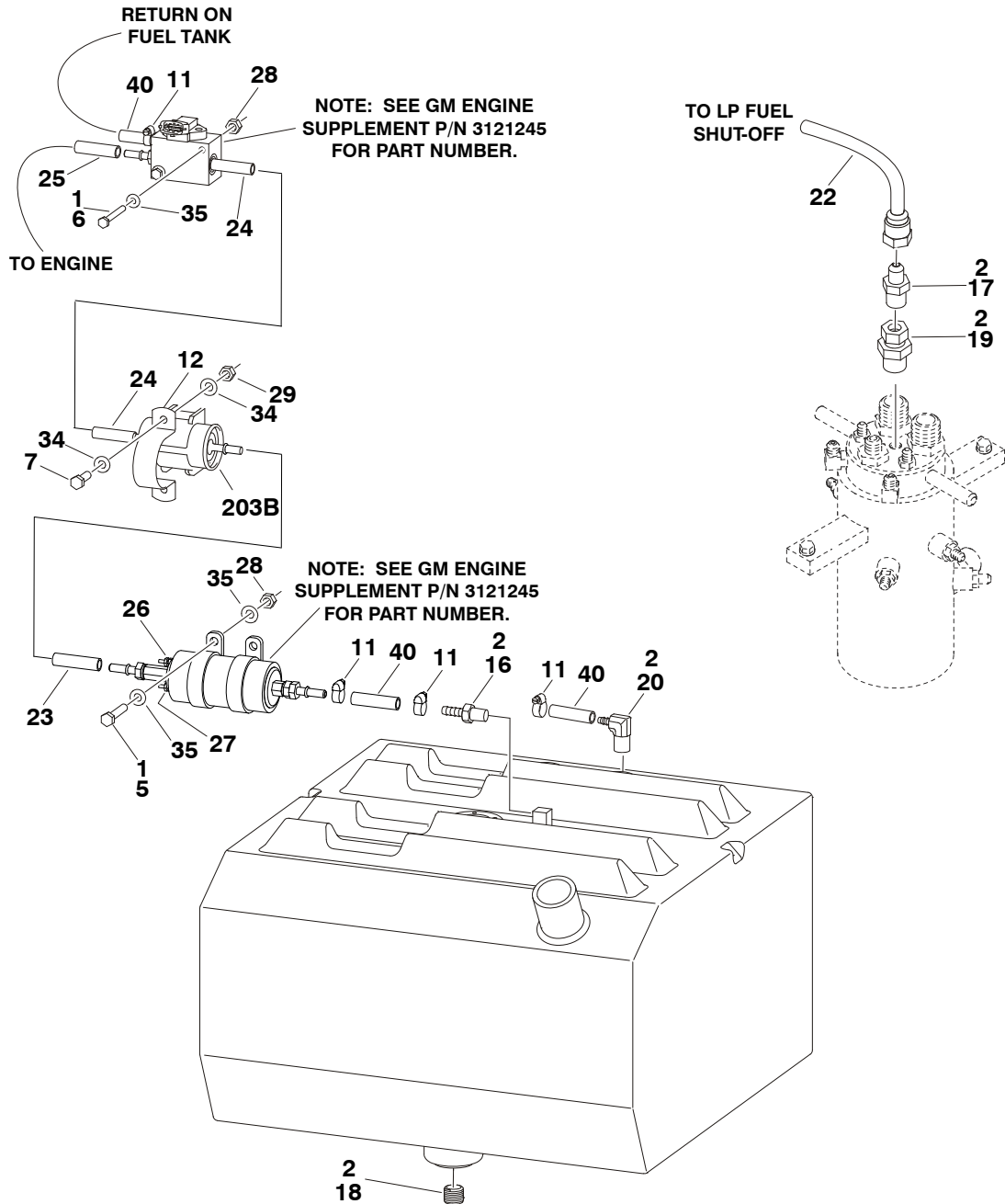
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
234	3311805	4	Locknut 1/2in-13NC	
235	3539872	1	Plate, Radiator Mounting	
236	3572280	1	Plate, Engine Mount	
237	3620040	1	Radiator	
	Use 8180311	1	Cap, Radiator (was p/n 7019656)	
238	3740067	2	Relay	
239	3960468	1	Seal	
240	3960469	1	Seal	
241	4060805	3ft/0.9m	Seal	
242	4341239	1	Tray, Engine	
243	4341241	1	Mount, Engine (Front)	
244	4569342	1	Tube, Intake	
245	4569394	1	Tube, Intake	
246		1	Valve, Oil Drain Options:	
	4640952		Prior to SN 0300136498	
	Use 4640952		SN 0300136498 to SN 0300140000 (was p/n 1001105872)	
247	4711400	12	Flatwasher 1/4in Thin	
248	4711600	12	Flatwasher 3/8in Thin	
249	4740274	4	Flatwasher, Snubbing	
250	4751400	8	Flatwasher 1/4in Regular	
251	4751600	43	Flatwasher 3/8in Regular	
252	4751800	2	Flatwasher 1/2in Regular	
253	4791400	2	Starwasher 1/4in	
254	4831900	4	Lockwasher M8	
255	4920385	10ft/3m	Wire, Safety	
256	2180877	1	Fitting	
257	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
258	2720271	1.5ft/0.5m	Hose (SN 0300136498 to SN 0300139210)	

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300139210 TO SN 0300140000)



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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300139210 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001114634	Ref	GM 3.0L TIER III/IV ENGINE INSTALLATION	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100048	AR	Grease, Dielectric	
4	0400075	1	Battery (Wet)	
5	0641412	2	Bolt 1/4in-20NC x 1-1/2in	
6	0641422	2	Bolt 1/4in-20NC x 2-3/4in	
7	0641511	2	Bolt 5/16in-18NC x 1-3/8in	
8	0641608	1	Bolt 3/8in-16NC x 1in	
9	0641808	1	Bolt 1/2in-13NC x 1in	
10	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
11	1320022	4	Clamp, Fuel Line	
12	1320323	1	Clamp	
13	1700818	2	Decal - LP Gas (Liquid) (Not Shown)	
14	1701542	1	Decal, Gas (Not Shown)	
15	1701543	2	Decal, LPG (Not Shown)	
16	2180348	1	Fitting, Barbed	
17	2180418	1	Fitting, Straight	
18	2200222	1	Fitting, Plug	
19	2220005	1	Fitting, Straight	
20	2221176	1	Fitting, Elbow	
21	2300004	2.63gal.	Fluid, Anti-Freeze (Not Shown)	
22	2720392	1	Hose, LP	
23	2720566	1	Hose, Hi Pressure Fuel Line (6in/15cm Length)	
24	2720567	1	Hose, Hi Pressure Fuel Line (4ft/1.2m Length)	
25	2720580	1	Hose	
26	3290405	1	Locknut M4 x 0.7	
27	3290505	1	Locknut M5 x 0.8	
28	3311405	4	Locknut 1/4in x 20NC	
29	3311505	2	Locknut 5/16in-18NC	
30	3422446	1	Pin	
31	3790012	1	O-Ring (Not Shown - Located in Console Box)	
32	3841143	1	Keeper	
33	4360336	1	Switch, Toggle (Not Shown - Located in Console Box)	
34	4711500	4	Flatwasher 5/16in Thin	
35	4751400	8	Flatwasher 1/4in Regular	
36	4751500	2	Flatwasher 5/16in Regular	
37	4752000	1	Flatwasher 5/8in Regular	
38	88521205	2	Locknut, Nylon Insert 5/16in-18NC	
39	91401281	1	Angle, Battery Hold Down	
40	1001091587	8.5ft/2.6m	Hose, Fuel Line	
41	1001093382	2	Bolt, Battery Hold-down	
	1001114633	Ref	GM ENGINE AND PUMP SUB-ASSEMBLIES	B
101	0100011	AR	Compound, Locking	
102	0641406	1	Bolt 1/4in-20NC x 3/4in	
103	0641808	1	Bolt 1/2in-13NC x 1in	

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300139210 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
104	0641812	4	Bolt 1/2in-13NC x 1-1/2in	B
105	1060637	1	Cable, Lanyard	
106	2902533	1	Battery Cable Kit	
106A	7027018	1	Cable (Battery - to Ground)	
106B	7027015	1	Cable (Battery + to Auxiliary Relay)	
106C	7027017	1	Cable (Auxiliary Relay to Starter)	
106D	7016824	1	Cable (Auxiliary Relay to Auxiliary Pump)	
106E	7016825	1	Cable (Ground to Auxiliary Pump)	
107	3311405	1	Locknut 1/4in-20NC	
108	3311805	1	Locknut 1/2in-13NC	
109	3422532	1	Pin, Hitch	
110	3600410	1	Piston Pump Assembly with Fittings (See PISTON PUMP ASSEMBLY for Breakdown)	
111	3600411	1	Load Sensing Pump Assembly with Fittings (See LOAD SENSING PUMP ASSEMBLY for Breakdown)	
112	3790044	1	O-Ring	
113	3960548	3.66ft/1.1m	Seal	
114	3960549	1ft/0.3m	Seal	
115	4711400	1	Flatwasher 1/4in Thin	
116	4751800	1	Flatwasher 1/2in Regular	
117	4891800	2	Flatwasher, 1/2in Hardened	A
	1001114632	Ref	GM ENGINE ASSEMBLY	
201	0080201	1	Adapter, Elbow	
202	0100011	AR	Compound, Locking	
203	1001114595	1	Engine, GM 3.0L Options (See GM Engine Supplement P/N 3121245 for Breakdown of Additional Components):	
203A	7027965	1	Filter, Oil	
203B	7027972	1	Filter, Fuel	
203C	70002895	1	Module, Control (ECU)	
203D	70000164	4	Sparkplug (Not Shown)	
204	0340041	2	Band, Mounting	
205	0641406	10	Bolt 1/4in-20NC x 3/4in	
206	0641606	3	Bolt 3/8in-16NC x 3/4in	
207	0641608	8	Bolt 3/8in-16NC x 1in	
208	0641609	4	Bolt 3/8in-16NC x 1-1/8in	
209	0641610	10	Bolt 3/8in-16NC x 1-1/4in	
210	0641612	4	Bolt 3/8in-16NC x 1-1/2in	
211	0641828	2	Bolt 1/2in-13NC x 3-1/2in	
212	0700810	4	Bolt M8 x 20mm	
213	0940070	1	Bumper	
214	0961986	2	Bearing, Flanged	
215	1320012	3	Clamp	
216	1320016	5	Clamp	
217	1320022	3	Clamp	
218	1320223	3	Clamp	
219	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	
220	1580011	1	Container, Coolant Overflow	

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300139210 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
221	1703162	2	Decal - Caution Fan	
222	Not Used			
223	2060025	1	Fan	
224	Not Used			
225	2720058	5.5in/14cm	Hose	
226	1001116544	1	Duct	
227	2720563	1	Hose, Radiator (Top)	
228	2720564	1	Hose, Radiator (Bottom)	
229	1001091892	6in/15.2cm	Hose	
230	1001091794	1	Insulation, Muffler	
231	3200362	4	Mount, Engine	
232	3311405	12	Locknut 1/4in-20NC	
233	3311605	26	Locknut 3/8in-16NC	
234	3311805	4	Locknut 1/2in-13NC	
235	3539872	1	Plate, Radiator Mounting	
236	3572280	1	Plate, Engine Mount	
237	3620040	1	Radiator	
	Use 8180311	1	Cap, Radiator (was p/n 7019656)	
238	3740067	1	Relay	
239	3960468	1	Seal	
240	3960469	1	Seal	
241	4060805	3ft/0.9m	Seal	
242	4341239	1	Tray, Engine	
243	4341241	1	Mount, Engine (Front)	
244	1001116545	1	Tube, Intake	
245	4569394	1	Pipe, Exhaust	
246	Use 4640952	1	Valve, Oil Drain (was p/n 1001105872)	
246	1001105872	1	Valve, Oil Drain	
247	4711400	12	Flatwasher 1/4in Thin	
248	4711600	36	Flatwasher 3/8in Thin	
249	4740274	4	Flatwasher, Snubbing	
250	4751400	8	Flatwasher 1/4in Regular	
251	4751600	16	Flatwasher 3/8in Regular	
252	4751800	4	Flatwasher 1/2in Regular	
253	4791400	2	Starwasher 1/4in	
254	4831900	4	Lockwasher M8	
255	4920385	10ft/3m	Wire, Safety	
256	2180877	1	Fitting Elbow	
257	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
258	2720271	18in/46cm	Hose	

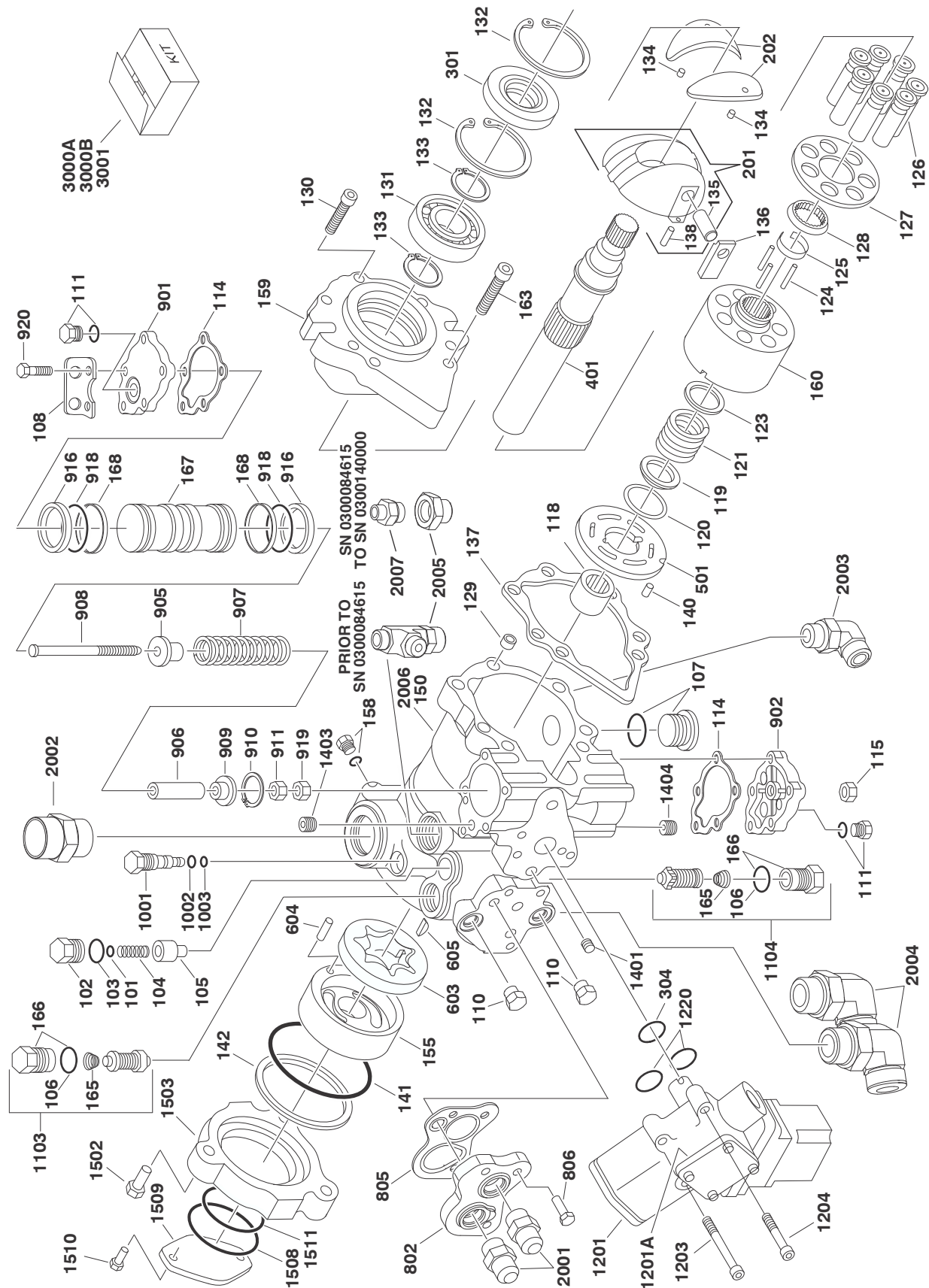
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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300139210 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-17. PISTON PUMP ASSEMBLY



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FIGURE 2-17. PISTON PUMP ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600295	Ref	PISTON PUMP ASSEMBLIES	A
1 to 100	Not Used			
101	7007413	1	Shim Kit	
102	7007414	1	Plug	
103	Use 2900752	1	O-Ring	
104	7021200	1	Spring, Relief Valve	
105	7007417	1	Valve, Relief	
106	Use 2900752	2	O-Ring (Part of Items 1103 & 1104)	
107	7007419	2	Plug	
108	7021201	1	Bracket, Lifting	
109	Not Used			
110	7007470	2	Plug	
111	7007470	2	Plug	
112 to 113	Not Used			
114	Use 2900752	2	Gasket, Servo Cover	
115	7007423	1	Nut, Special	
116 to 117	Not Used			
118	7007425	1	Bearing, Needle	
119	Use 7010116	1	Ring, Retaining	
120	Use 7010116	1	Washer	
121	Use 7010116	1	Spring	
122	Not Used			
123	Use 7010116	1	Washer	
124	Use 7010116	1	Retainer	
125	Use 7010116	3	Pin, Slipper Holddown	
126	Use 7010116	7	Piston Assembly	
127	Use 7010116	1	Retainer, Slipper	
128	Use 7010116	1	Guide, Retainer	
129	7007435	1	Pin, Spring	
130	7021202	1	Screw, 12 Point Head	
131	7007437	1	Bearing, Ball	
132	7007438	2	Ring, Retainer	
133	7007439	2	Ring	
134	7021203	2	Pin, Spring	
135	7007441	1	Handle, Pin (Part of Item 201)	
136	7007442	1	Sleeve, Bearing	
137	Use 2900752	1	Gasket, Front Cover	
138	7021205	1	Pin (Part of Item 201)	
139	Not Used			
140	7007446	1	Pin	
141	Use 2900752	1	O-Ring	
142	Use 2900752	1	Ring, Load Temper	
143 to 149	Not Used			
150	7023977	1	Housing, Pump	
151 to 154	Not Used			
155	7007452	1	Cover, Gerotor	
156 to 157	Not Used			
158	7007208	1	Plug	

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FIGURE 2-17. PISTON PUMP ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
159	7007454	1	Cover, Front	
160 to 162	Not Used			
163	7021207	6	Screw	
164	Not Used			
165	7021208	2	Spring (Part of Items 1103 & 1104)	
166	7021209	2	Plug, SCR (Part of Items 1103 & 1104)	
167	7007494	1	Piston, Servo	
168	Use 2900752	2	Bearing	
169 to 200	Not Used			
201	7007457	1	Swashplate Assembly (Includes Items 135 & 138)	
202	7021212	2	Journal, Bearing	
203 to 300	Not Used			
301	Use 2900752	1	Seal, Lip	
302 to 303	Not Used			
304	Use 2900752	1	O-Ring	
305 to 400	Not Used			
401	7021213	1	Shaft, Main Pump	
402 to 500	Not Used			
501	7021214	1	Plate, Valve	
502 to 602	Not Used			
603	7007463	1	Gerotor Assembly	
604	7007464	1	Pin	
605	7007465	1	Key, Woodruff	
606 to 801	Not Used			
802	7007466	1	Adaptor, Remote Filtration	
803 to 804	Not Used			
805	Use 2900752	1	Seal, Filter Adapter	
806	7021218	3	Screw	
807 to 900	Not Used			
901	7021219	1	Cover, Servo	
902	7021220	1	Cover, Servo	
903 to 904	Not Used			
905	7007483	1	Guide, Spring	
906	7007484	1	Stop, Servo	
907	7007485	1	Spring	
908	7021221	1	Screw	
909	7007487	1	Guide, Spring	
910	7007488	1	Ring, Retaining	
911	7021222	1	Nut	
912 to 915	Not Used			
916	See Note	2	Ring, Piston (Note: Use Items 3000A & 3000B)	
917	Not Used			
918	See Note	2	O-Ring (Note: Use Items 3000A & 3000B)	
919	7021206	1	Nut	
920	7021223	10	Screw	
921 to 1000	Not Used			
1001	7007472	1	Valve, Bypass	
1002	Use 2900752	1	Ring, Back-up	
1003	Use 2900752	1	O-Ring	

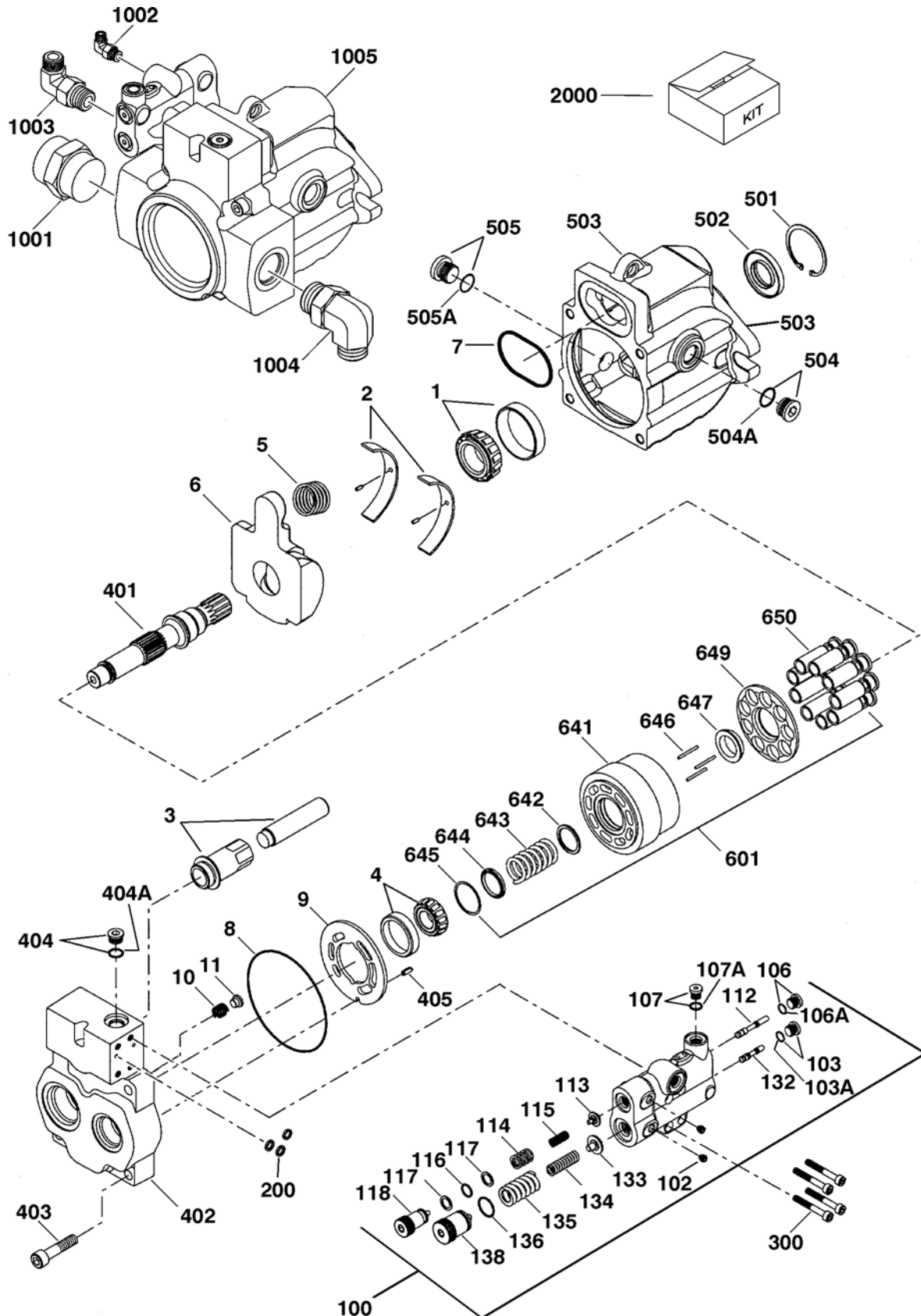
SECTION 2 TURNTABLE

FIGURE 2-17. PISTON PUMP ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
1004to1102	Not Used			
1103	7010122	1	SCR Kit (Includes items 166, 106 & 165)	
1104	7010122	1	SCR Kit (Includes items 166, 106 & 165)	
1105to1200	Not Used			
1201	7007474	1	Control, Dual Oil-Filled	
	7007496	1	Coil Assembly (Pilot)	
	7007497	1	Plug (Pump)	
	7007498	1	Plug (Valve Harness)	
1201A	7024828	1	Gasket	
1202	Not Used			
1203	7007478	2	Screw	
1204	7001498	2	Screw	
1205to1219	Not Used			
1220	Use 2900752	2	O-Ring	
1221to1400	Not Used			
1401	7007475	1	Plug, Orifice/Screen (.156)	
1402	Not Used			
1403	7021226	1	Plug, Orifice	
1404	7021226	1	Plug, Orifice	
1402to1501	Not Used			
1502	7007453	3	Screw	
1503	7021227	1	Adapter, Flange	
1504to1507	Not Used			
1508	7021228	1	O-Ring	
1509	7021229	1	Plate, Cover	
1510	7021230	2	Screw	
1511	7021231	1	O-Ring	
	3600410	Ref	PISTON PUMP AND FITTING ASSEMBLY	B
2001	2111010	2	Fitting, Straight	
2002	2111616	1	Fitting, Straight	
2003	2131212	1	Fitting, Elbow	
2004	2131616	1	Fitting, Elbow	
2005		1	Fitting Options:	
	2221084	1	Fitting, Tee (Prior to SN 0300084615)	
	2110408	1	Fitting, Straight (SN 0300084615 to SN 0300140000)	
2006	3600295	1	Pump Options (Includes Items 1 - 1511)	
2007	2220811	1	Fitting, Reducer (SN 0300084615 to SN 0300140000)	
		Ref	KIT OPTIONS:	
3000		AR	Seal Kit Options:	
3000A	7021232	1	Seal Kit - Complete (Includes Items 103, 106, 114, 137, 141, 142, 168, 301, 304, 805, 916, 918, 1002, 1003 & 1220)	
3000B	7007412	1	Seal Kit - Servo Piston (Includes Items 916 and 918)	
3001	7010116	1	Cylinder Block Kit (Includes Items 119-128)	

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FIGURE 2-18. LOAD SENSING PUMP ASSEMBLY



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FIGURE 2-18. LOAD SENSING PUMP ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600324	Ref	LOAD SENSING PUMP ASSEMBLY	D
1	7023947	1	Bearing, Front (Includes Cup and Cone)	
2	7023948	1	Bearings, Swashplate (Includes Both Sides and Pins)	
3	7023949	1	Servo Piston Assembly	
4	7023950	1	Bearing, Rear (Includes Cup and Cone)	
5	7023951	1	Spring, Bias	
6	7023952	1	Swashplate	
7	Use 7023967	1	O-Ring	
8	Use 7023967	1	O-Ring	
9	7023953	1	Plate, Valve	
10	7023954	1	Spring, Check Valve	
11	7023955	1	Poppet, Check Valve	

100	7023956	1	Control Assembly	
101	Not Used			
102	See Note	2	Setscrew (Note: Not Available for Purchase.)	
103	See Note	1	Plug (Note: Not Available for Purchase.)	
103A	Use 7023967	1	O-Ring	
104 to 105	Not Used			
106	See Note	1	Plug (Note: Not Available for Purchase.)	
106A	Use 7023967	1	O-Ring	
107	See Note	1	Plug (Note: Not Available for Purchase.)	
107A	Use 7023967	1	O-Ring	
108 to 111	Not Used			
112	See Note	1	Spool, Control (Note: Not Available for Purchase.)	
113	See Note	1	Guide, Spring (Note: Not Available for Purchase.)	
114	See Note	1	Spring (Note: Not Available for Purchase.)	
115	See Note	1	Spring (Note: Not Available for Purchase.)	
116	Use 7023967	1	O-Ring	
117	Use 7023967	2	Ring, Back-up	
118	See Note	1	Plug, Adjusting (Note: Not Available for Purchase.)	
119 to 131	Not Used			
132	See Note	1	Spool, Control (Note: Not Available for Purchase.)	
133	See Note	1	Guide, Spring (Note: Not Available for Purchase.)	
134	See Note	1	Spring (Note: Not Available for Purchase.)	
135	See Note	1	Spring (Note: Not Available for Purchase.)	
136	Use 7023967	1	O-Ring	
137	Not Used			
138	See Note	1	Plug, PC Adjusting (Note: Not Available for Purchase.)	

200	Use 7023967	3	Ring, Seal	

300	7023957	4	Screw	
		1	-----	
401	7023958	1	Shaft	
402	7023959	1	Cap, End	
403	7023960	4	Screw	

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FIGURE 2-18. LOAD SENSING PUMP ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
404	7022318	1	Plug	
404A	Use 7023967	1	O-Ring	
405	7023961	1	Pin	

501	7023962	1	Ring, Retaining	
502	Use 7023967	1	Seal, Lip	
503	7023963	1	Housing	
504	7023964	1	Plug	
504A	7007415	1	O-Ring	
505	7023964	1	Plug	
505A	7007415	1	O-Ring	

601	7023965	1	Cylinder Block Assembly	
602 to 640	Not Used			
641	Use 7023965	1	Block, Cylinder (Note: Not Available - Purchase Complete Cylinder Block Assy.)	
642	See Note	1	Washer (Note: Not Available for Purchase.)	
643	See Note	1	Spring (Note: Not Available for Purchase.)	
644	See Note	1	Retainer, Spring (Note: Not Available for Purchase.)	
645	See Note	1	Ring, Retaining (Note: Not Available for Purchase.)	
646	7021275	3	Pin, Slipper	
647	See Note	1	Guide, Slipper (Note: Not Available for Purchase.)	
648	Not Used			
649	See Note	1	Retainer, Slipper (Note: Not Available for Purchase.)	
650	7023966	9	Piston Assembly	
	3600411	Ref	LOAD SENSING PUMP AND FITTING ASSEMBLY	B
1001	2112424	1	Fitting, Straight	
1002	2130404	1	Fitting, Elbow	
1003	2130810	1	Fitting, Elbow	
1004	2131216	1	Fitting, Elbow	
1005	3600324	1	Pump Options (Includes Items 1 - 650):	
		Ref	KIT OPTIONS:	
2000	7023967	1	Seal Kit - Complete (Includes Items 7,8,103A,106A,107A, 116,117,136,200,404A & 502)	

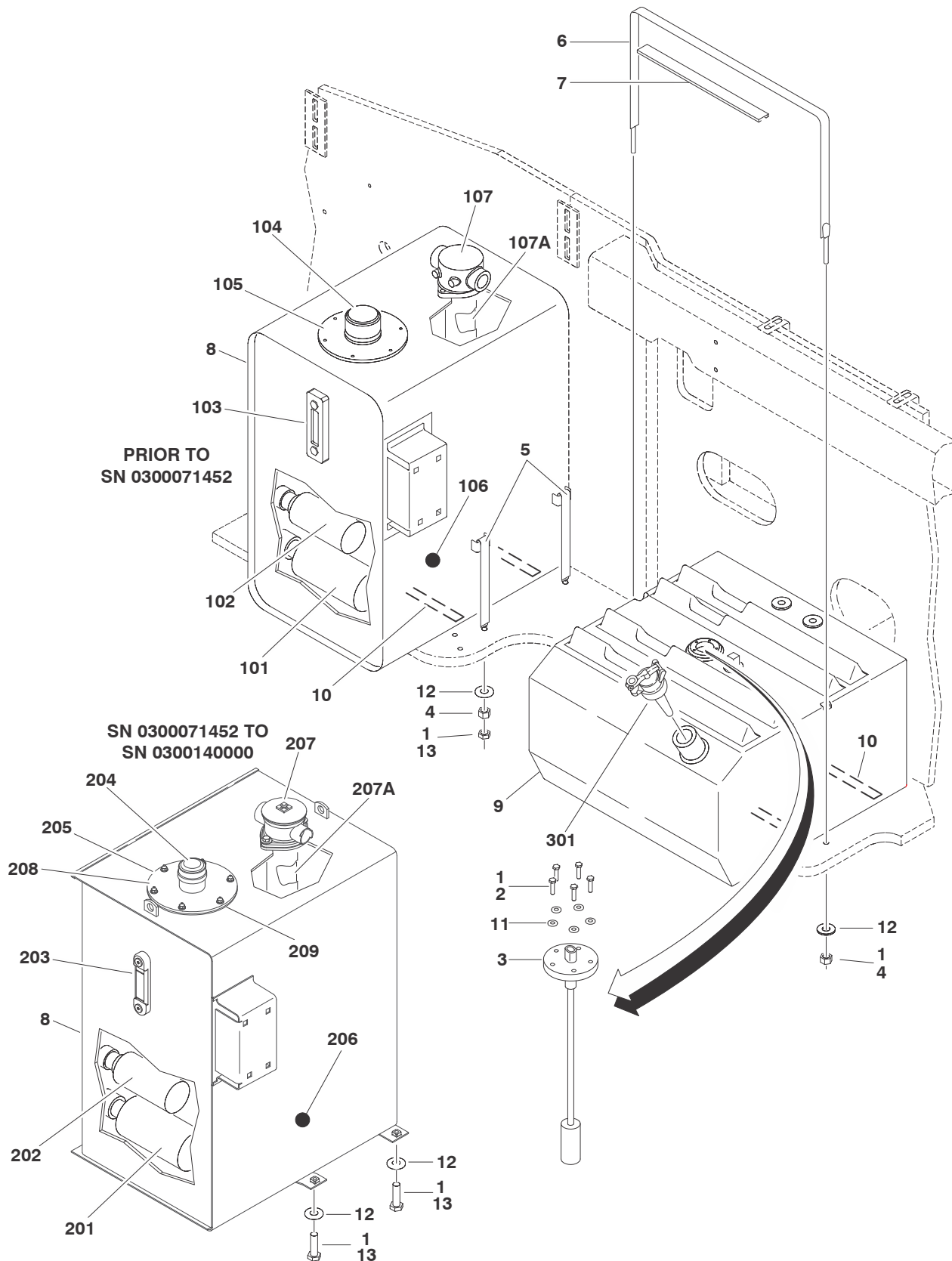
SECTION 2 TURNTABLE

FIGURE 2-18. LOAD SENSING PUMP ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-19. TANK INSTALLATIONS



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FIGURE 2-19. TANK INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TANKS INSTALLATION	
	0270881	Ref	Diesel Machines	E
	0270881	Ref	GM Machines (Prior to SN 0300109493)	E
	1001091568	Ref	GM Tier 2 Machines (SN 0300109493 to SN 0300140000)	A
1	0100011	AR	Compound, Locking	
2	0731007	5	Capscrew #10-32NF x 7/8in	
3	2420191	1	Gauge, Fuel Level	
4	3311601	AR	Nut 3/8in-16NC	
5	4240112	4	Strap, Tank Mounting (Prior to SN 0300071452)	
6	4240139	1	Strap, Tank Mounting	
7	4280295	30in/76cm	Strip, Protector	
8	4400437	1	Hydraulic Oil Tank Assembly (See Items 101-107 for Breakdown) (Prior to SN 0300071452)	
	4400453	1	Hydraulic Oil Tank Assembly (See Items 201-209 for Breakdown) (SN 0300071452 to SN 0300140000)	
9		1	Fuel Tank Assembly Options:	
	4400439		Diesel Machines	
	4400439		GM Machines (Prior to SN 0300109493)	
	1001091563		GM Tier 2 Machines (SN 0300109493 to SN 0300140000)	
10	4420038	6.5ft/2m	Tape, Rubber	
11	4751000	5	Flatwasher #10 Regular	
12	4751600	6	Flatwasher 3/8in Regular	
13		AR	Hardware Options:	
	3311602	4	Nut, Jam 3/8in-16NC (Prior to SN 0300071452)	
	0641614	4	Bolt 3/8in-16NC x 1-3/4in (SN 0300071452 to SN 0300140000)	
	4400437	Ref	HYDRAULIC TANK ASSEMBLY (PRIOR TO SN 0300071452)	C
101	7014818	1	Strainer 1-1/2inNPT	
102	7014801	1	Strainer 1-1/4inNPT	
103	7014802	1	Gauge, Sight	
104	7014811	1	Breather/Fill Cap	
105	7020256	1	Neck, Fill	
	7014816	1	Screen	
106	7014813	1	Plug, Magnetic	
107	Use 7024374	1	Filter Assembly (was p/n 7024409)	
	7023306	1	Seal	
	7023347	1	Gasket (Located Between Flange of Filter & Tank)	
107A	Use 7024375	1	Element, Filter (was p/n 7024408)	
	4400453	Ref	HYDRAULIC TANK ASSEMBLY (SN 0300071452 TO SN 0300140000)	E
201	7024481	1	Strainer 1-1/2inNPT	
202	7024442	1	Strainer 1-1/4inNPT	
203	7024441	1	Gauge, Sight	
204	7024444	1	Breather/Fill Cap	
205	7024443	1	Neck, Fill	

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FIGURE 2-19. TANK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	7024445	1	Screen	
206	7024446	1	Plug, Magnetic	
207	7024374	1	Filter Assembly	
207A	7024375	1	Element, Filter	
208	7024439	1	Cover	
209	7024440	1	Gasket	
		Ref	FUEL TANK CAP INSTALLATION	
301		1	Cap Options:	
	7016314		Standard Non-Locking (Part of Item 3) (Used with p/n 4400439)	
	70001103		Standard Non-Locking (Used with p/n 1001091563)	
	1120484		Optional Lockable (Gas Machines)	
	1120487		Optional Lockable (Diesel Machines)	

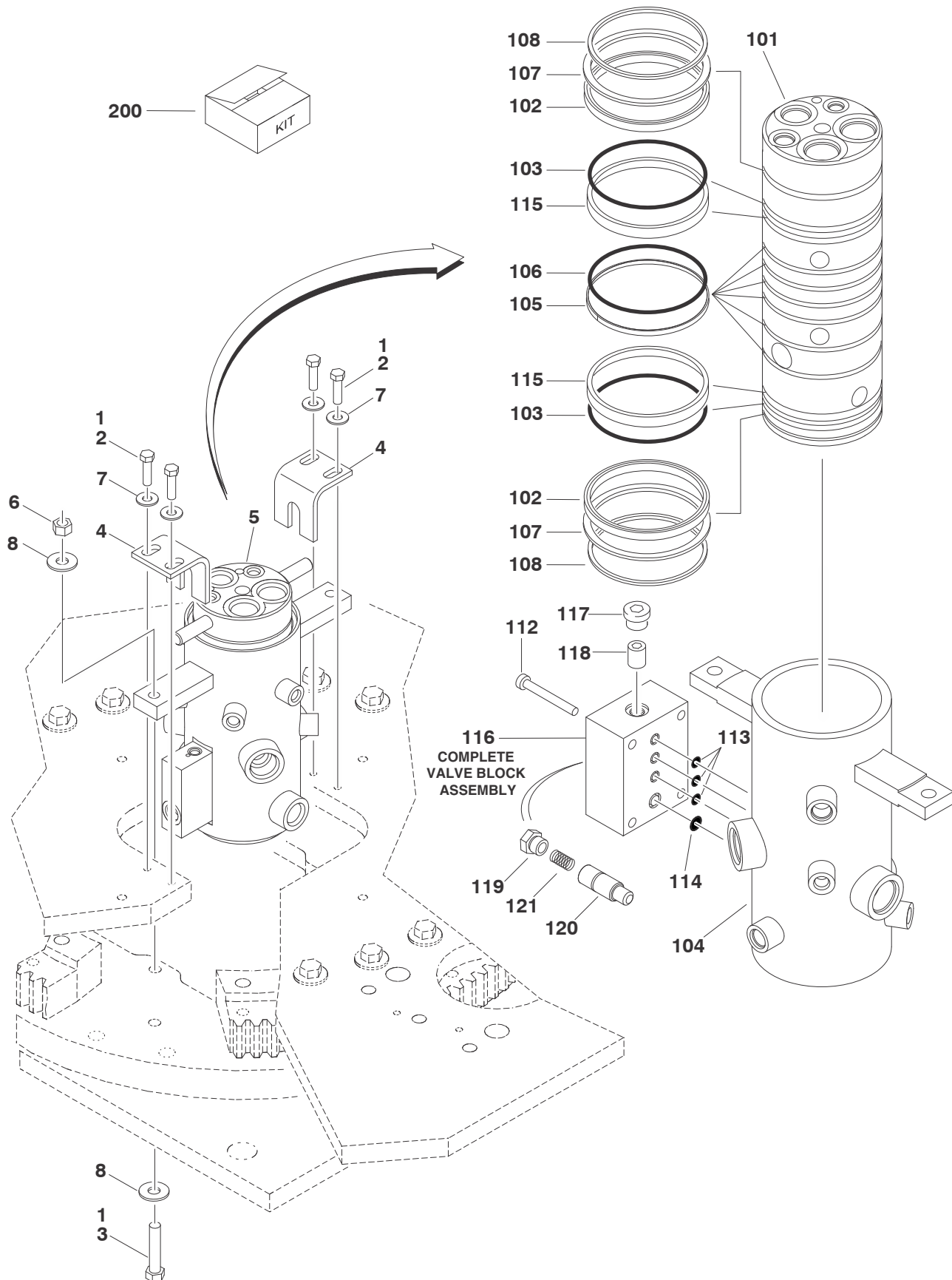
SECTION 2 TURNTABLE

FIGURE 2-19. TANK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-20. ROTARY COUPLING INSTALLATION (PRIOR TO SN 0300083331)



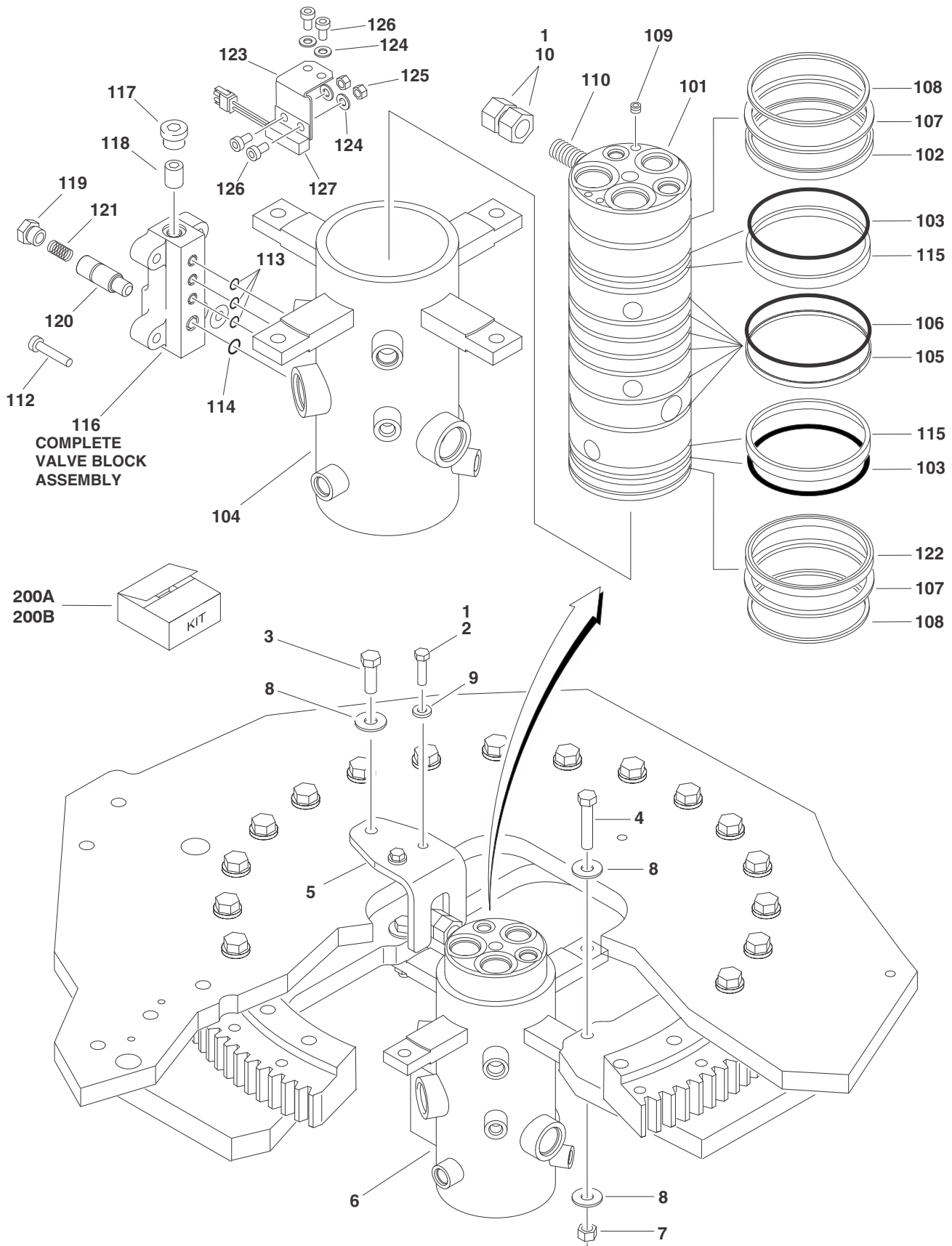
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FIGURE 2-20. ROTARY COUPLING INSTALLATION (PRIOR TO SN 0300083331)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0271312	Ref	ROTARY COUPLING INSTALLATION	B
1	0100011	AR	Compound, Locking	
2	0641611	4	Bolt 3/8in-16NC x 1-3/8in	
3	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
4	0902520	2	Bracket	
5	1660246	1	Coupling, Rotary (See Items 101-121 for Breakdown)	
	1660246RR	1	Rebuilt 1660246 Coupling	
6	3271805	2	Locknut 1/2in-13NC	
7	4891600	4	Flatwasher 3/8in Hardened	
8	4751800	4	Flatwasher 1/2in Regular	
	1660246	Ref	ROTARY COUPLING ASSEMBLY	E
101	Use 1660246	1	Body (Note: Not Available - Purchase Complete Rotary Coupling Assy.)	
102	7026189	2	Seal	
103	Use 7024400	2	O-Ring/Seal	
104	Use 1660246	1	Housing (Note: Not Available - Purchase Complete Rotary Coupling Assy.)	
105	Use 7024400	6	Seal, Cap	
106	Use 7024400	6	O-Ring	
107	7026503	2	Ring	
108	7026504	2	Ring, Retaining	
109	See Note	2	Plug (Note: Not Available - Purchase Locally.)	
110 to 111	Not Used			
112	7026197	4	Capscrew	
113	Use 7024400	3	O-Ring	
114	Use 7024400	1	O-Ring	
115	See Note	2	Bearing (Note: Not Available for Purchase.)	
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120	7026508	1	Plunger, Valve	
121	7026509	1	Spring	
		Ref	KIT OPTIONS:	
200	7024400	1	Seal Kit (Includes Items 103,105,106,113 & 114) (Item 102 must be purchased separately).	

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FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300083331 TO SN 0300140000)



SECTION 2 TURNTABLE

FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ROTARY COUPLING INSTALLATION	
	0274583	Ref	SN 0300083331 to SN 0300137913	C
	1001107531	Ref	SN 0300137913 to SN 0300140000	A
		Ref	Note: P/N 0273393 also designed but superseded by p/n 0274583 before going into effect.	
1	0100011	AR	Compound, Locking	
2	0641611	2	Bolt 3/8in-16NC x 1-3/8in	
3	0641812	1	Bolt 1/2in-13NC x 1-1/2in	
4	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
5	0903242	1	Bracket	
6		1	Coupling, Rotary Options (See Items 101-122 for Breakdown):	
	Use 1660303		SN 0300083331 to SN 0300114016 (was p/n 1660257)	
	1660303		SN 0300114016 to SN 0300137913	
	1001106974		SN 0300137913 to SN 0300140000	
7	3271805	2	Locknut 1/2in-13NC	
8	4751800	5	Flatwasher 1/2in Regular	
9	4891600	2	Flatwasher 3/8in Hardened	
10	3322201	2	Locknut 3/4in x 16NF	
		Ref	ROTARY COUPLING ASSEMBLIES	
	Use 1660303	Ref	SN 0300083331 to SN 0300114016 (was p/n 1660257)	D
	1660303	Ref	SN 0300114016 to SN 0300137913	B
	1001106974	Ref	SN 0300137913 to SN 0300140000	B
		Ref	Note: Original Equipment p/n 1660257 component may have been replaced by Service Replacement p/n 1660303 component. Identify p/n on coupling before ordering parts.	
101	See Note	1	Body (Note: Not Available - Purchase Complete Rotary Coupling Assy.)	
102		1	Seal Options:	
	7026189		Seal, Oil (p/n 1660257)	
	Use 70001248		Seal, Poly (p/n 1660303 & 1001106974)	
103	See Note	2	O-Ring/Seal (Note: Use Items 200A or 200B)	
104	See Note	1	Housing (Note: Not Available - Purchase Complete Rotary Coupling Assy.)	
105	See Note	6	Seal, Cap (Note: Use Items 200A or 200B)	
106	See Note	6	O-Ring (Note: Use Items 200A or 200B)	
107	7026503	2	Ring, Thrust	
108	7026504	2	Ring, Retaining	
109		2	Plug Options:	
	See Note		p/n 1660257 (Note: Not Available - Purchase Locally.)	
	80934561		p/n 1660303 & 1001106974	
110	See Note	1	Lug, Torque (Note: Not Available for Purchase.)	
111	Not Used			
112	7026197	4	Capscrew	
113	See Note	3	O-Ring (Note: Use Items 200A or 200B)	
114	See Note	1	O-Ring (Note: Use Items 200A or 200B)	

SECTION 2 TURNTABLE

FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
115	See Note Use 70001248	2	Bearing Options: p/n 1660257 (Note: No Longer Available.) p/n 1660303 & 1001106974	
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120	7026508 Use 7024404	1	Plunger, Valve Options: p/n 1660257 p/n 1660303 & 1001106974 (Note: Not Available for Purchase.)	
121	7026509	1	Spring	
122	7026189 Use 70001248	1	Seal, Oil Options: p/n 1660257 p/n 1660303 & 1001106974	
123	70003454	1	Bracket, Switch Mounting (SN 0300137913 to SN 0300140000 Only)	
124	4711000	4	Flatwasher #10 Thin (SN 0300137913 to SN 0300140000 Only)	
125	See Note	2	Locknut 1/4in-24NF (SN 0300137913 to SN 0300140000 Only) (Note: Not Available for Purchase.)	
126	See Note	4	Capscrew 1/4in-24NF (SN 0300137913 to SN 0300140000 Only) (Note: Not Available for Purchase.)	
127	4360517	1	Switch, Proximity (SN 0300137913 to SN 0300140000 Only)	
128	See Note	AR	Protective Netting (Not Shown) (p/n 1660303 & 1001106974) (Note: Not Available for Purchase.)	
		Ref	KIT OPTIONS:	
200		1	Seal Kit Options:	
200A	7026510		Seal Kit for 1660257 (Includes Items 103,105,106,113 & 114) (Item 102 & 122 must be purchased separately)	
200B	70001248		Seal Kit for 1660303 & 1001106974 (Includes Items 102,103,105,106,113, 114, 115 & 122)	

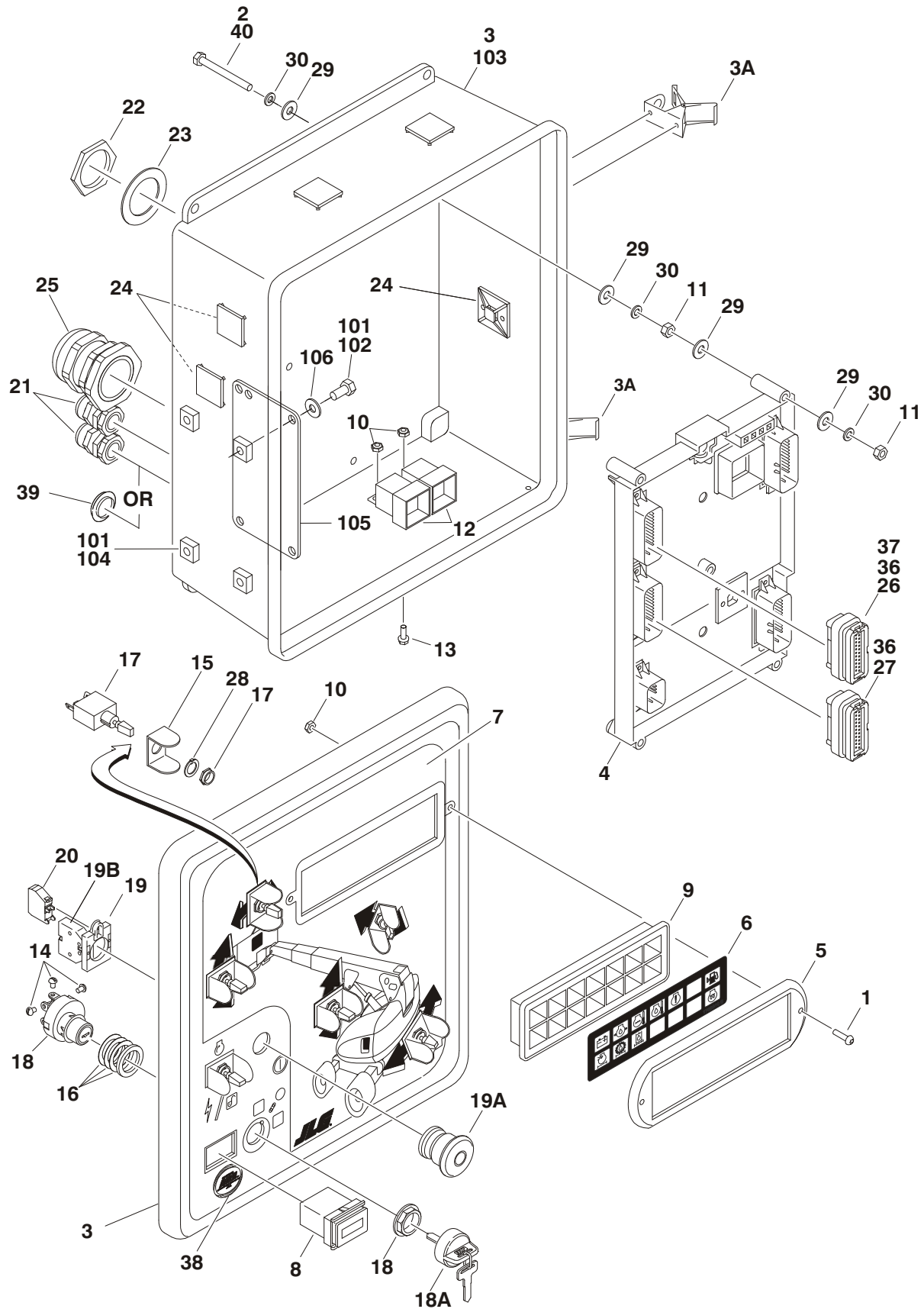
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FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY (WITHOUT UGM)



SECTION 2 TURNTABLE

FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY (WITHOUT UGM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GROUND CONTROL BOX ASSEMBLIES	
		Ref	Caterpillar Engine:	
	0861625	Ref	800S - Prior to SN 0300087262	C
	0861753	Ref	800S - SN 0300087262 to SN 0300099882	B
	1810101	Ref	800S - SN 0300099882 to SN 0300140000	C
	0861626	Ref	860SJ - Prior to SN 0300087262	C
	0861754	Ref	860SJ - SN 0300087262 to SN 0300099882	B
	1810106	Ref	860SJ - SN 0300099882 to SN 0300140000	C
		Ref	Deutz Engine:	
	0861456	Ref	800S - Prior to SN 0300085332	G
	0861718	Ref	800S - SN 0300085332 to SN 0300099882	B
	1810099	Ref	800S - SN 0300099882 to SN 0300129454	B
	1001102248	Ref	800S - SN 0300129454 to SN 0300140000	C
	0861457	Ref	860SJ - Prior to SN 0300085332	G
	0861719	Ref	860SJ - SN 0300085332 to SN 0300099882	B
	1810104	Ref	860SJ - SN 0300099882 to SN 0300129454	B
	1001102249	Ref	860SJ - SN 0300129454 to SN 0300140000	C
		Ref	Ford Engine:	
	0861454	Ref	800S - Prior to SN 0300087262	G
	0861751	Ref	800S - SN 0300087262 to SN 0300099882	B
	0861455	Ref	860SJ - Prior to SN 0300087262	G
	0861752	Ref	860SJ - SN 0300087262 to SN 0300099882	B
		Ref	GM Engine:	
	0861792	Ref	800S - Prior to SN 0300099882	B
	1810098	Ref	800S - SN 0300099882 to SN 0300140000	C
	0861793	Ref	860SJ - Prior to SN 0300099882	B
	1810103	Ref	860SJ - SN 0300099882 to SN 0300140000	C
1	0630518	2	Capscrew, Button Head	
2	0630548	5	Tap, Bolt 2-1/2in	
3	0861389	1	Box, Fiberglass	
3A	7020246	2	Latch	
4		1	Module, Ground Control (Re-calibration Required when Replaced) Options:	
	Use 2915014		Caterpillar Engine	
	1600364		Prior to SN 0300079612 (was p/n 1600327)	
	1600411		SN 0300079612 to SN 0300099882	
			SN 0300099882 to SN 0300140000	
	Use 2915014		Deutz Engine	
	1600364		Prior to SN 0300079612 (was p/n 1600327)	
	1600411		SN 0300079612 to SN 0300085332	
			SN 0300085332 to SN 0300140000	
	Use 2915014		Ford Engine	
	1600364		Prior to SN 0300079612 (was p/n 1600327)	
	1600411		SN 0300079612 to SN 0300140000	
			GM Engine	
5	1670829	1	Bezel	

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FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY (WITHOUT UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
6	1702610	1	Decal - Ground Control Display Options:	
	1705753		Prior to SN 0300085332	
	1706712		SN 0300085332 to SN 0300099882 SN 0300099882 to SN 0300140000	
7	1703465	1	Decal - Faceplate Options:	
	1706914		800S (Prior to SN 0300099882)	
	1001102601		800S (SN 0300099882 to SN 0300134726)	
	1703466		800S (SN 0300134726 to SN 0300140000)	
	1706915		860SJ (Prior to SN 0300099882)	
	1001102602		860SJ (SN 0300099882 to SN 0300134726)	
			860SJ (SN 0300134726 to SN 0300140000)	
8	2420172	1	Gauge, Hourmeter	
9	2760105	1	Housing, Display Light	
10	3300408	AR	Locknut, Plastic Insert	
11	3311401	10	Nut 1/4in-20NC	
12	3740049	AR	Relay Options:	
		3	Caterpillar Engine	
		2	Deutz & GM Engine	
13	3900268	AR	Screw, Flange #10 x 1/2in	
14	3910804	6	Screw #8-32NC x 1/4in	
15	4060906	AR	Shield, Toggle Switch	
16	4070987	1	Shim (.015in)	
17	4360328	AR	Switch, Toggle	
		6	800S	
		7	860SJ	
18	4360469	1	Switch, Key	
18A	2860030	1	Key Replacement	
19	4360475	1	Switch, Emergency Stop	
19A	7020175	1	Cap, Mushroom Head	
19B	7020176	1	Block, Contact	
20	4360476	1	Switch, Contact Block	
21	4460426	AR	Connector, Strain Relief	
22	4460470	1	Nut, Terminal	
23	4460471	1	Lockwasher, Terminal	
24	4460488	AR	Mounting Base, Terminal	
25	4460526	1	Connector, Strain Relief	
26	4460874	1	Connector, Natural	
27	4460875	1	Connector, Gray	
28	4740444	AR	Washer, Special	
29	4751400	20	Flatwasher 1/4in Regular	
30	4761400	15	Lockwasher 1/4in	
31	4922666	1	Harness, Analyzer Cable (Not Shown - See ELECTRICAL SECTION for Breakdown) (Prior to SN 0300085332)	
32		1	Harness, Engine Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
			Caterpillar Engine Machines	
	4922922		Prior to SN 0300085332	
	4923278		SN 0300085332 to SN 0300099882	
	4923585		SN 0300099882 to SN 0300140000	

SECTION 2 TURNTABLE

FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY (WITHOUT UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
32 (cont'd)	4922654 4923239 1001102160		Deutz Engine Machines Prior to SN 0300085332 SN 0300085332 to SN 0300129454 SN 0300129454 to SN 0300140000 Ford Engine Machines Prior to SN 0300087262 SN 0300087262 to SN 0300140000 GM Engine Machines	
33	4922594	1	Harness, Valve (Not Shown - See ELECTRICAL SECTION for Breakdown)	
34		1	Harness, Ground Control Box Options (Not Shown - See ELECTRICAL SECTION for Breakdown): Caterpillar & Ford Engine Machines Prior to SN 0300087262 SN 0300087262 to SN 0300099882 Deutz Engine Machines Prior to SN 0300085332 SN 0300085332 to SN 0300099882 GM Engine Machines (Prior to SN 0300099882) Caterpillar, Deutz & GM Engine Machines (SN 0300099882 to SN 0300140000)	
35	Not Used			
36	0100048	AR	Grease, Dialectic	
37	4460905	AR	Plug	
38	1705132	1	Decal - Control ADE (SN 0300066054 to SN 0300099882)	
39	3520035	1	Plug, Cap (SN 0300068126 to SN 0300140000)	
40	0100011	AR	Compound, Locking	
		Ref	GROUND CONTROL BOX INSTALLATION	
		Ref	Caterpillar Engine:	
	0273308	Ref	800S - Prior to SN 0300087262	B
	0861753	Ref	800S - SN 0300087262 to SN 0300099882	B
	1810101	Ref	800S - SN 0300099882 to SN 0300140000	C
	0273309	Ref	860SJ - Prior to SN 0300087262	B
	0861754	Ref	860SJ - SN 0300087262 to SN 0300099882	B
	1810106	Ref	860SJ - SN 0300099882 to SN 0300140000	C
		Ref	Deutz Engine:	
	0270893	Ref	800S - Prior to SN 0300085332	B
	0861718	Ref	800S - SN 0300085332 to SN 0300099882	B
	1810099	Ref	800S - SN 0300099882 to SN 0300129454	B
	1001102248	Ref	800S - SN 0300129454 to SN 0300140000	C
	0270894	Ref	860SJ - Prior to SN 0300085332	B
	0861719	Ref	860SJ - SN 0300085332 to SN 0300099882	B
	1810104	Ref	860SJ - SN 0300099882 to SN 0300129454	B
	1001102249	Ref	860SJ - SN 0300129454 to SN 0300140000	C
		Ref	Ford Engine:	
	0270891	Ref	800S - Prior to SN 0300087262	C
	0861751	Ref	800S - SN 0300087262 to SN 0300099882	B
	0270892	Ref	860SJ - Prior to SN 0300087262	C
	0861752	Ref	860SJ - SN 0300087262 to SN 0300099882	B

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FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY (WITHOUT UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	Continued	Ref	GROUND CONTROL BOX INSTALLATION	
		Ref	GM Engine:	
	0861792	Ref	800S - Prior to SN 0300099882	B
	1810098	Ref	800S - SN 0300099882 to SN 0300140000	C
	0861793	Ref	860SJ - Prior to SN 0300099882	B
	1810103	Ref	860SJ - SN 0300099882 to SN 0300140000	C
101	0100011	AR	Compound, Locking	
102	0641506	4	Bolt 5/16in-18NC x 3/4in	
103		1	Ground Control Box Assemblies (Includes Items 1-40)	
			Caterpillar Engine	
	0861625		800S (Prior to SN 0300087262)	
	0861753		800S (SN 0300087262 to SN 0300099882)	
	1810101		800S (SN 0300099882 to SN 0300140000)	
	0861626		860SJ (Prior to SN 0300087262)	
	0861754		860SJ (SN 0300087262 to SN 0300099882)	
	1810106		860SJ (SN 0300099882 to SN 0300140000)	
			Deutz Engine	
	0861456		800S (Prior to SN 0300085332)	
	0861718		800S (SN 0300085332 to SN 0300099882)	
	1810099		800S (SN 0300099882 to SN 0300129454)	
	1001102248		800S (SN 0300129454 to SN 0300140000)	
	0861457		860SJ (Prior to SN 0300085332)	
	0861719		860SJ (SN 0300085332 to SN 0300099882)	
	1810104		860SJ (SN 0300099882 to SN 0300129454)	
	1001102249		860SJ (SN 0300129454 to SN 0300140000)	
			Ford Engine	
	0861454		800S (Prior to SN 0300087262)	
	0861751		800S (SN 0300087262 to SN 0300140000)	
	0861455		860SJ (Prior to SN 0300087262)	
	0861752		860SJ (SN 0300087262 to SN 0300140000)	
			GM Engine	
	0861792		800S (Prior to SN 0300099882)	
	1810098		800S (SN 0300099882 to SN 0300140000)	
	0861793		860SJ (Prior to SN 0300099882)	
	1810103		860SJ (SN 0300099882 to SN 0300140000)	
104	3300205	4	Nut, Retainer	
105	3539219	1	Plate, Reinforcement	
106	4751500	4	Flatwasher 5/16in Regular	

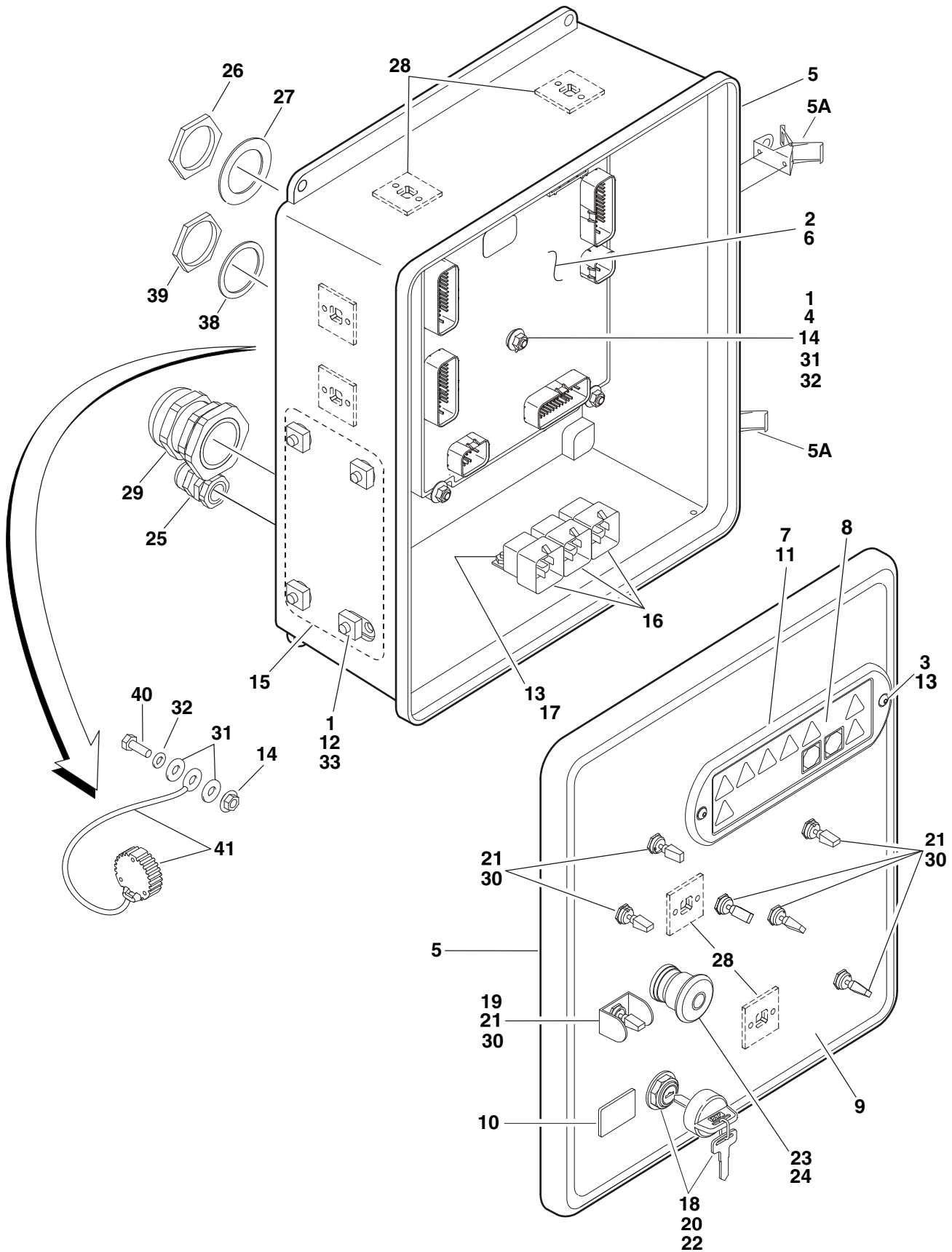
SECTION 2 TURNTABLE

FIGURE 2-22. GROUND CONTROL BOX ASSEMBLY (WITHOUT UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-23. GROUND CONTROL BOX ASSEMBLY (WITH UGM)



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FIGURE 2-23. GROUND CONTROL BOX ASSEMBLY (WITH UGM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GROUND CONTROL BOX ASSEMBLIES	
	1001110333	Ref	800S with Caterpillar Engine	A
	1001110334	Ref	860SJ with Caterpillar Engine	A
	1001110329	Ref	800S with Deutz Engine	B
	1001110330	Ref	860SJ with Deutz Engine	B
	1001110327	Ref	800S with GM Engine	A
	1001110328	Ref	860SJ with GM Engine	A
1	0100011	AR	Compound, Locking	
2	0100048	AR	Grease, Dielectric	
3	0630518	2	Capscrew, Button Head	
4	0630548	5	Bolt, 2-1/2in Tap	
5	1001111017	1	Box, Fiberglass	
5A	7020246	2	Latch	
6	1001103667	1	Module, Ground Control	
7	1670829	1	Bezel	
8	1706712	1	Decal - Ground Control Display	
9		1	Decal - Faceplate Options:	
	1001102601		800S	
	1001102602		860SJ	
10	2420172	1	Gauge, Hourmeter	
11	2760105	1	Housing, Display Light	
12	3300205	4	Nut, Retainer	
13	3300408	AR	Locknut, Plastic Insert	
14	77143013	11	Nut 1/4in-20NC	
15	3539219	1	Plate, Reinforcement	
16	3740049	AR	Relay Options:	
		3	Caterpillar Engine Machines	
		2	Deutz & GM Engine Machines	
17	3900268	3	Screw, Flange #10 x 1/2in	
18	3910804	6	Screw #8-32NC x 1/4in	
19	4060906	1	Shield, Toggle Switch	
20	4070987	1	Shim (.015in)	
21	4360328	AR	Switch, Toggle	
		6	800S	
		7	860SJ	
22	4360469	1	Switch, Key	
	2860030	1	Key Replacement	
23	4360475	1	Switch, Emergency Stop	
	7020175	1	Cap, Mushroom	
	7020176	1	Block, Contact	
24	4360476	1	Switch, Contact Block	
25	4460426	1	Connector, Strain Relief	
26	4460470	1	Nut, Terminal	
27	4460471	1	Lockwasher, Terminal	
28	4460488	6	Mounting Base, Terminal	
29	4460526	1	Connector, Strain Relief	
30	4740444	6	Washer, Special	
31	4751400	12	Flatwasher 1/4in Regular	

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FIGURE 2-23. GROUND CONTROL BOX ASSEMBLY (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
32	4761400	6	Lockwasher 1/4in	
33	0641506	4	Bolt 5/16in-18NC x 3/4in	
34	4922594	1	Harness, Valve (Not Shown - See ELECTRICAL SECTION for Breakdown)	
35		1	Harness, Engine Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
	1001110341		Caterpillar Engine Machines	
	1001110340		Deutz Engine Machines	
	1001110338		GM Engine Machines	
36	1001110339	1	Harness, Ground Control Box Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
37		1	Ground Control Box Wiring Diagram (Not Shown - See ELECTRICAL SECTION for Breakdown)	
	1001110344		Caterpillar Engine Machines	
	1001110343		Deutz Engine Machines	
	1001110342		GM Engine Machines	
38	4460496	1	Lockwasher, Terminal	
39	4460497	1	Nut, Terminal	
40	0641407	1	Bolt 1/4in-20NC x 7/8in	
41	1001106736	1	Cap, Dust	

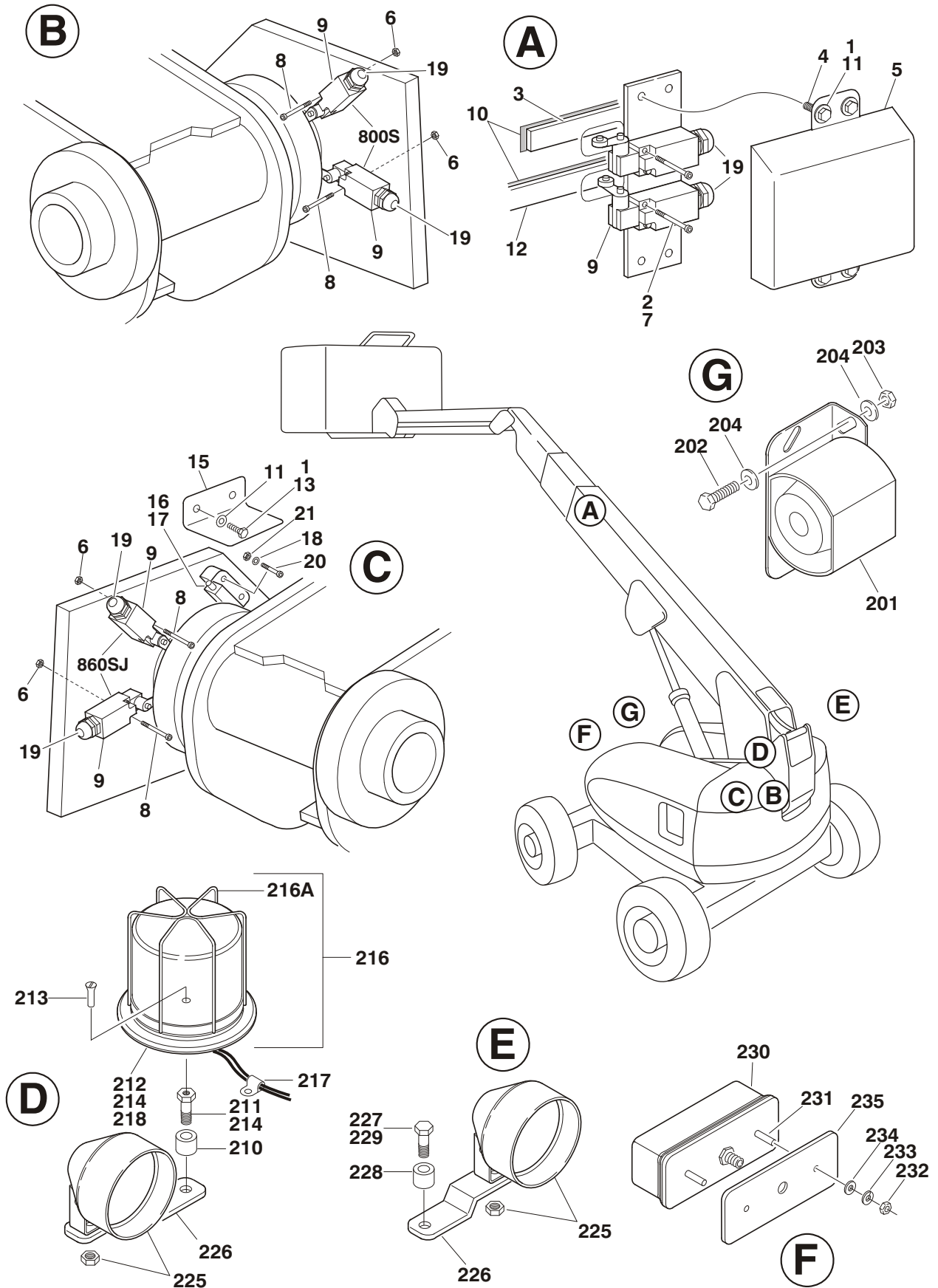
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FIGURE 2-23. GROUND CONTROL BOX ASSEMBLY (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 2 TURNTABLE

FIGURE 2-24. LIMIT SWITCHES, LIGHTS & ALARM INSTALLATIONS



SECTION 2 TURNTABLE

FIGURE 2-24. LIMIT SWITCHES, LIGHTS & ALARM INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)	
		Ref	LIMIT SWITCHES INSTALLATION	
	0271360	Ref	800S	J
	0271362	Ref	860SJ	J
1	0100011	AR	Compound, Locking	
2	0100035	AR	Compound, Locking	
3		1	Bar, Fiberglass (Top) Options: Prior to SN 0300138519 (was p/n 0362529) SN 0300138519 to SN 0300140000	
	Use 1001106480			
	1001106480			
4	0641403	4	Bolt 1/4in-20NC x 3/8in	
5	1671022	1	Cover, Limit Switch	
6	3310805	4	Locknut #8-32NC	
7	3930816	4	Capscrew, Socket Head #8-32NC x 1in	
8	3930828	4	Capscrew, Socket Head #8-32NC x 1-3/4in	
9		4	Switch, Limit Options: (Note: P/N 4360549 & P/N 4360578 does not include #19 Connector - Purchase Separately) Prior to SN 0300074425 (was p/n 4360322) SN 0300074425 to SN 0300080870 (was p/n 4360579) SN 0300080870 to SN 0300140000	
	Use 4360578			
	Use 4360578			
	Use 4360578			
10	4420060	31.2ft/9.5m	Tape, Double Sided	
11	4751400	6	Flatwasher 1/4in Regular	
12		1	Bar, Fiberglass (Bottom) Options: Prior to SN 0300138519 (was p/n 0363010) SN 0300138519 to SN 0300140000	
	Use 1001106449			
	1001106449			
13	0641406	2	Bolt 1/4in-20NC x 3/4in	
14	Not Used			
15	1671059	1	Cover, Proximity Switch	
16	4071043	1	Shim	
17	4360517	1	Switch, Proximity	
18		4	Flatwasher #8 Options: Prior to SN 0300116348 SN 0300116348 to SN 0300140000	
	4750800			
	1001097942			
19	4460968	2	Connector, Strain Relief (SN 0300074425 to SN 0300140000)	
20		2	Capscrew, Socket Head #8-32NC x 1-3/4in Options: Prior to SN 0300116348 SN 0300116348 to SN 0300140000	
	3930828			
	1001097939			
21		2	Locknut #8-32NC Options: Prior to SN 0300116348 SN 0300116348 to SN 0300140000	
	3310805			
	1001097945			

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FIGURE 2-24. LIMIT SWITCHES, LIGHTS & ALARM INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0271999	Ref	ALARM INSTALLATION	1
201	0257887	1	Alarm/Harness Assembly	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
	4460424	1	Plug	
	4460268	2	Socket	
202	0641410	2	Bolt 1/4in-20NC x 1-1/4in	
203	3311405	2	Locknut 1/4in-20NC	
204	4711400	4	Flatwasher 1/4in Thin	
205 to 209	Not Used			
	0270805	Ref	STROBE LIGHT INSTALLATION (AMBER) (OPTIONAL)	C
		Ref	Note: If machine is equipped with BLUE Strobe Light, see SPECIAL OPTIONS SECTION SkyGuard Kit.	
210	4220162	1	Spacer, Stop (Used with ECCO Model 6640 Only)	
211		1	Adapter Options:	
	0630491		Adapter used with ECCO Model 6640	
	0080241		Adapter used with ECCO Model 6650	
212	3539281	1	Plate, Mounting (Used with ECCO Model 6640 Only)	
213	0741606	1	Screw, Flathead Countersunk 3/8in-16NC x 3/4in (Used with ECCO Model 6640 Only)	
214	0100011	AR	Compound, Locking	
215	4240032	1	Wire-Tie (Not Shown)	
216	Use 0272507	1	Strobe Light/Guard/Harness Assembly (was p/n 0255917)	
		1	Bulb, Replacement	
	7016380		Bulb for ECCO Model 6640	
	70001941		Bulb for ECCO Model 6650	
216A		1	Guard Options:	
	4060907		Guard used with ECCO Model 6640	
	2920215		Guard used with ECCO Model 6650	
217	4460234	1	Clamp	
218	0100048	AR	Sealant, Silicone	
219 to 224	Not Used			
		Ref	LIGHTS INSTALLATIONS (OPTIONAL)	
	0271552	Ref	Headlights and Taillights	C
	0272057	Ref	Floodlights (Not Shown)	B
225		2	Light Options:	
	2920110		Headlight	
	2920157		Floodlight (Not Shown)	
226	0902206	2	Bracket, Mounting	
227	0642612	1	Bolt 1in-8NC x 1-1/2in	
228	4220162	2	Spacer	
229	0100011	AR	Compound, Locking	
230		2	Light Options:	
	2920113		Taillight	
	2920157		Floodlight (Not Shown)	

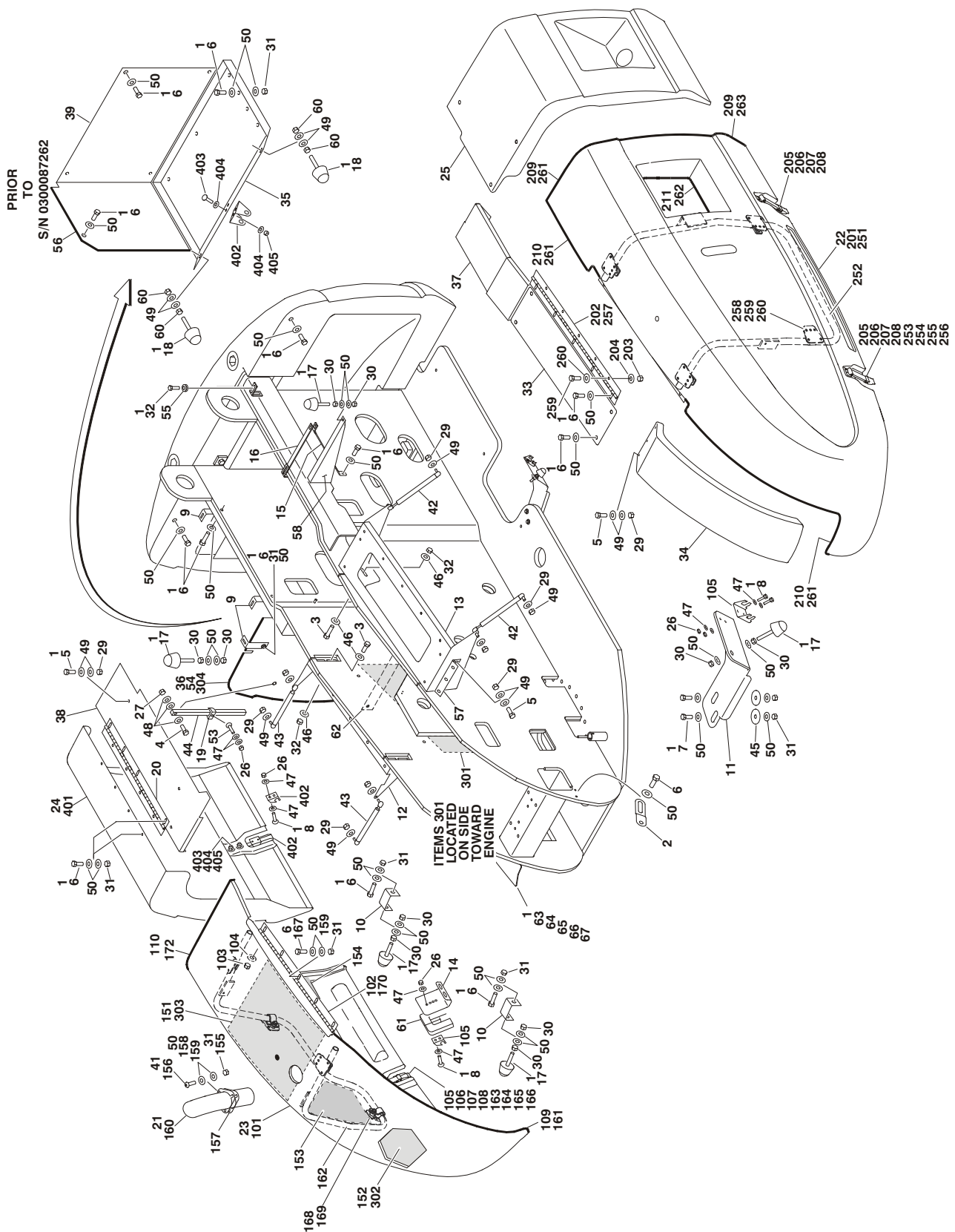
SECTION 2 TURNTABLE

FIGURE 2-24. LIMIT SWITCHES, LIGHTS & ALARM INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
231	3911040	4	Screw, Machine #10-24NC x 2-1/2in (0271552 Installation Only)	
232	3311005	4	Nut #10-24NC (0271552 Installation Only)	
233	4751000	4	Flatwasher #10 Regular (0271552 Installation Only)	
234	4740362	4	Washer, Fender (0271552 Installation Only)	
235	3960461	2	Gasket (0271552 Installation Only)	
236	Not Used			
237	4240032	AR	Tie-Strap (Not Shown)	
238	4460234	AR	Mount, Tie-Strap (Not Shown)	
239		1	Switch, Toggle Options (Not Shown - Located on Console):	
	4360336	1	Switch, Toggle	
	4360522	1	Switch, Push Button	
240	3790012	1	O-Ring (Used with Toggle Switch) (Not Shown - Located on Console)	
241	3820001	11	Rivet, Pop (Not Shown)	
242	1705170	1	Decal - Lights (Used with Push Button Switch) (Not Shown - Located on Console)	

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FIGURE 2-25. HOODS INSTALLATION (PRIOR TO SN 0300089982)



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FIGURE 2-25. HOODS INSTALLATION (PRIOR TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270880	Ref	HOODS INSTALLATION (CATERPILLAR/DEUTZ) (PRIOR TO SN 0300089980)	K
	0274762	Ref	HOODS INSTALLATION (CATERPILLAR/DEUTZ) (SN 0300089980 TO SN 0300089982)	A
	0270880	Ref	HOODS INSTALLATION (FORD) (PRIOR TO SN 0300079612)	K
	0274261	Ref	HOODS INSTALLATION (FORD) (SN 0300079612 TO SN 0300089980)	C
	0274768	Ref	HOODS INSTALLATION (FORD) (SN 0300089980 TO SN 0300089982)	A
	0273701	Ref	HOODS INSTALLATION (W/AIR COMPRESSOR) (PRIOR TO SN 0300089980)	C
	0274762	Ref	HOODS INSTALLATION (W/AIR COMPRESSOR) (CATERPILLAR/DEUTZ) (SN 0300089980 TO SN 0300089982)	A
	0274768	Ref	HOODS INSTALLATION (W/AIR COMPRESSOR) (FORD) (SN 0300089980 TO SN 0300089982)	A
1	0100011	AR	Compound, Locking	
2	0362770	1	Bar, Panel Mounting	
3	0630507	8	Bolt, Carriage 1/2in-13NC x 1-1/4in	
4	0641414	1	Bolt 1/4in-20NC x 1-3/4in (Prior to SN 0300087262)	
5	0641508	9	Bolt 5/16in-18NC x 1in	
6	0641608	AR	Bolt 3/8in-16NC x 1in	
7	0641616	AR	Bolt 3/8in-16NC x 2in	
8	0721006	AR	Screw #10-24NC x 3/4in	
9	0901921	3	Bracket, Hood Mounting	
10	0902219	2	Bracket, Bumper	
11	0902223	2	Bracket, Latch	
12	0902351	1	Bracket, Hood Mounting	
13	0902412	1	Bracket, Hood Mounting	
14	0902491	1	Bracket, Latch	
15	0902673	1	Bracket, Support (Front Cover)	
16	0902674	1	Bracket, Support (Front Cover)	
17	0940071	AR	Bumper	
18	0940088	2	Bumper (Prior to SN 0300087262)	
19	1380132	1	Clip, Gripper (Prior to SN 0300087262)	
20	2600209	1	Hinge (Prior to SN 0300087262)	
21		1	Exhaust Tube Weldment Options:	
	4846588		Caterpillar/Deutz (was p/n 4845411)	
	4846588		w/Air Compressor (was p/n 4845411)	
	4846588		Ford (was p/n 4845411) (Prior to SN 0300079612)	
	3460399		Ford (SN 0300079612 to SN 0300089982)	
22		1	Hood Assembly Options:	
	2680492		Prior to SN 0300089980 (See Items 201-211 for Breakdown)	
	1671228		SN 0300089980 to SN 0300089982 (See Items 251-263 for Breakdown)	
23		1	Hood Assembly Options:	
	2680451		Prior to SN 0300089980 (See Items 101-110 for Breakdown)	
			SN 0300089980 to SN 0300089982 (See Items 151-172 for Breakdown)	
	1671248		Caterpillar/Deutz Engine	

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FIGURE 2-25. HOODS INSTALLATION (PRIOR TO SN 0300089982) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
23 (cont'd)	1671236		Ford Engine	
24		1	Cover Options:	
	2680488		Cover, Storage Box (Prior to SN 0300087262)	
	1671201		Cover (SN 0300087262 to SN 0300089982)	
25	2680490	1	Hood, Right Cover	
26	3311005	AR	Locknut #10-24NC	
27	3311405	1	Locknut 1/4in-20NC (Prior to SN 0300087262)	
28	Not Used			
29	3311505	13	Locknut 5/16in-18NC	
30	3311601	AR	Nut 3/8in-16NC	
31	3311605	AR	Locknut 3/8in-16NC	
32	3311805	8	Locknut 1/2in-13NC	
33	3380443	1	Cover/Bracket Weldment (Tank Side) (Prior to SN 0300087262)	
34	3380444	1	Panel, Adapter	
35		1	Panel, Storage Box (Bottom) Options:	
	3380458		Caterpillar/Deutz/Ford (Prior to SN 0300087262)	
	3380517		W/Air Compressor	
36		1	Panel, Storage Box (Top) Options:	
	3380459		Caterpillar/Deutz/Ford (Prior to SN 0300087262)	
	3380580		Caterpillar/Deutz/Ford (SN 0300087262 to SN 0300089982)	
	3380518		W/Air Compressor (Prior to SN 0300087262)	
37	3380461	1	Cover, Top (Tank Side)	
38		1	Panel, Cover Options:	
	3380462		Panel, Cover (Prior to SN 0300087262)	
	3380575		Panel, Cover (SN 0300087262 to SN 0300089982)	
39	3380463	1	Panel, Storage Box (Front) (Prior to SN 0300087262)	
40	Not Used			
41	3900232	3	Screw, Button Head 3/8in-16NC x 1-1/4in	
42	4160139	2	Spring, Gas (Tank Side)	
43	4160143	2	Spring, Gas (Engine Side)	
44	4567627	1	Tube, Hood Prop (Prior to SN 0300087262)	
45	4740076	4	Washer, Fender	
46	4740171	8	Washer, Hardened	
47	4751000	AR	Flatwasher #10 Regular	
48	4751400	3	Flatwasher 1/4in Regular (Prior to SN 0300087262)	
49	4751500	AR	Flatwasher 5/16in Regular	
50	4751600	AR	Flatwasher 3/8in Regular	
51	Not Used			
52	0641610	3	Bolt 3/8in-16NC x 1-1/4in	
53	0721004	1	Screw #10-24NC x 1/2in (Prior to SN 0300087262)	
54	3960389	52in/1.3m	Seal (Prior to SN 0300087262)	
55	2540035	3	Grommet	
56	3960438	22in/1m	Seal Options:	
			Caterpillar/Deutz/Ford	
			W/Air Compressor (Prior to SN 0300087262)	
57	2600244	1	Hinge, Adapter Panel	
58	0902769	1	Bracket, Bumper Support	
59	0902465	1	Bracket, Lock Hasp (Prior to SN 0300087262)	
60	3321501	4	Nut 5/16in-24NF (Prior to SN 0300087262)	

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FIGURE 2-25. HOODS INSTALLATION (PRIOR TO SN 0300089982) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
61	3960470	1	Seal, Latch	
62	0182077	1	Angle, Hood Support (SN 0300087262 to SN 0300089982)	
63	0641406	4	Bolt 1/4in-20NC x 3/4in (SN 0300089980 to SN 0300089982)	
64	3311405	4	Locknut 1/4in-20NC (SN 0300089980 to SN 0300089982)	
65	3571712	1	Plate, Seal (SN 0300089980 to SN 0300089982)	
66	3960389	3.5ft/1.1m	Seal (SN 0300089980 to SN 0300089982)	
67	4751400	4	Flatwasher 1/4in Regular (SN 0300089980 to SN 0300089982)	
	2680451	Ref	HOOD ASSEMBLY (ENGINE SIDE) (PRIOR TO SN 0300089980)	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
101	Use 2680451	1	Hood	
102	2600209	1	Hinge	
103	3311605	4	Locknut 3/8in-16NC	
104	4751600	4	Flatwasher 3/8in Regular	
105	2940088	1	Latch	
106	0721008	2	Screw, Machine #10-24NC x 1in	
107	4751000	2	Flatwasher #10 Regular	
108	3311005	2	Locknut #10-24NC	
109	3960464	65in/1.67m	Seal	
110	3960462	61in/1.55m	Seal	
		Ref	HOOD ASSEMBLIES (ENGINE SIDE) (SN 0300089980 TO SN 0300089982)	A A
	1671248	Ref	Caterpillar/Deutz Engine	
	1671236	Ref	Ford Engine	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
151	2820080	1	Foam (Caterpillar/Deutz Engine Only)	
152	2820233	1	Insulation, Rear Sound (Caterpillar/Deutz Engine Only)	
153	2820234	1	Insulation, Center Sound (Caterpillar/Deutz Engine Only)	
154	2820235	1	Insulation, Rear Sound (Caterpillar/Deutz Engine Only)	
155	3311605	3	Locknut 3/8inx16NC	
156	3900232	3	Screw, Button Head 3/8in-16NC x 1-1/4in	
157	4061010	1	Shield, Heat Gasket	
158	4740500	3	Washer (Special)	
159	4751600	AR	Flatwasher 3/8in Regular	
160		1	Exhaust Tube Weldment Options:	
	4846588		Caterpillar/Deutz Engine	
	3460399		Ford Engine	
161	1671237	1	Hood	
162	1671230	1	Frame, Tubular	
163	2940088	1	Latch	
164	0721008	2	Screw, Machine #10-24NC x 1in	
165	4751000	2	Flatwasher #10 Regular	
166	3311005	2	Locknut #10-24NC	
167	0641608	4	Bolt 3/8in-16NC x 1in	
168	1321384	4	Hold Down	

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FIGURE 2-25. HOODS INSTALLATION (PRIOR TO SN 0300089982) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
169	0641606	4	Bolt 3/8in-16NC x 3/4in	C
170	2600209	1	Hinge	
171	3960464	65in/1.67m	Seal	
172	3960462	61in/1.55m	Seal	
	2680492	Ref	HOOD ASSEMBLY (TANK SIDE) (PRIOR TO SN 0300089980)	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
201	Use 2680492	1	Hood	
202	2600233	1	Hinge	
203	3311605	5	Locknut 3/8in-16NC	
204	4711600	5	Flatwasher 3/8in Thin	
205	2940088	2	Latch	A
206	0721008	4	Screw, Machine #10-24NC x 1in	
207	4751000	4	Flatwasher #10 Regular	
208	3311005	4	Locknut #10-24NC	
209	3960462	53in/1.35m	Seal	
210	3960464	83in/2.11m	Seal	
211	3960438	55in/1.4m	Seal	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE) (SN 0300089980 TO SN 0300089982)	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
251	1671231	1	Hood	4
252	1671232	1	Frame, Tubular	
253	2940088	2	Latch	
254	0721008	4	Screw, Machine #10-24NC x 1in	
255	4751000	4	Flatwasher #10 Regular	
256	3311005	4	Locknut #10-24NC	
257	2600233	1	Hinge	
258	1321384	4	Hold Down	
259	0641606	9	Bolt 3/8in-16NC x 3/4in	
260	4711600	9	Flatwasher 3/8in Thin	
261	3960464	83in/2.11m	Seal	
262	3960438	55in/1.4m	Seal	
263	3960462	53in/1.35m	Seal	
	0272081	Ref	NOISE REDUCTION INSTALLATION (DEUTZ/CATERPILLAR ENGINE MACHINES) (OPTIONAL)	
301	2820078	1	Foam, Acoustical (Turntable Side)	
302	2820079	1	Foam, Acoustical (Hood Side) (Prior to SN 0300089980)	
303	2820080	1	Foam, Acoustical (Hood Top) (Prior to SN 0300089980)	
304	2820081	1	Foam, Acoustical (Located on #36) (Prior to SN 0300076781)	

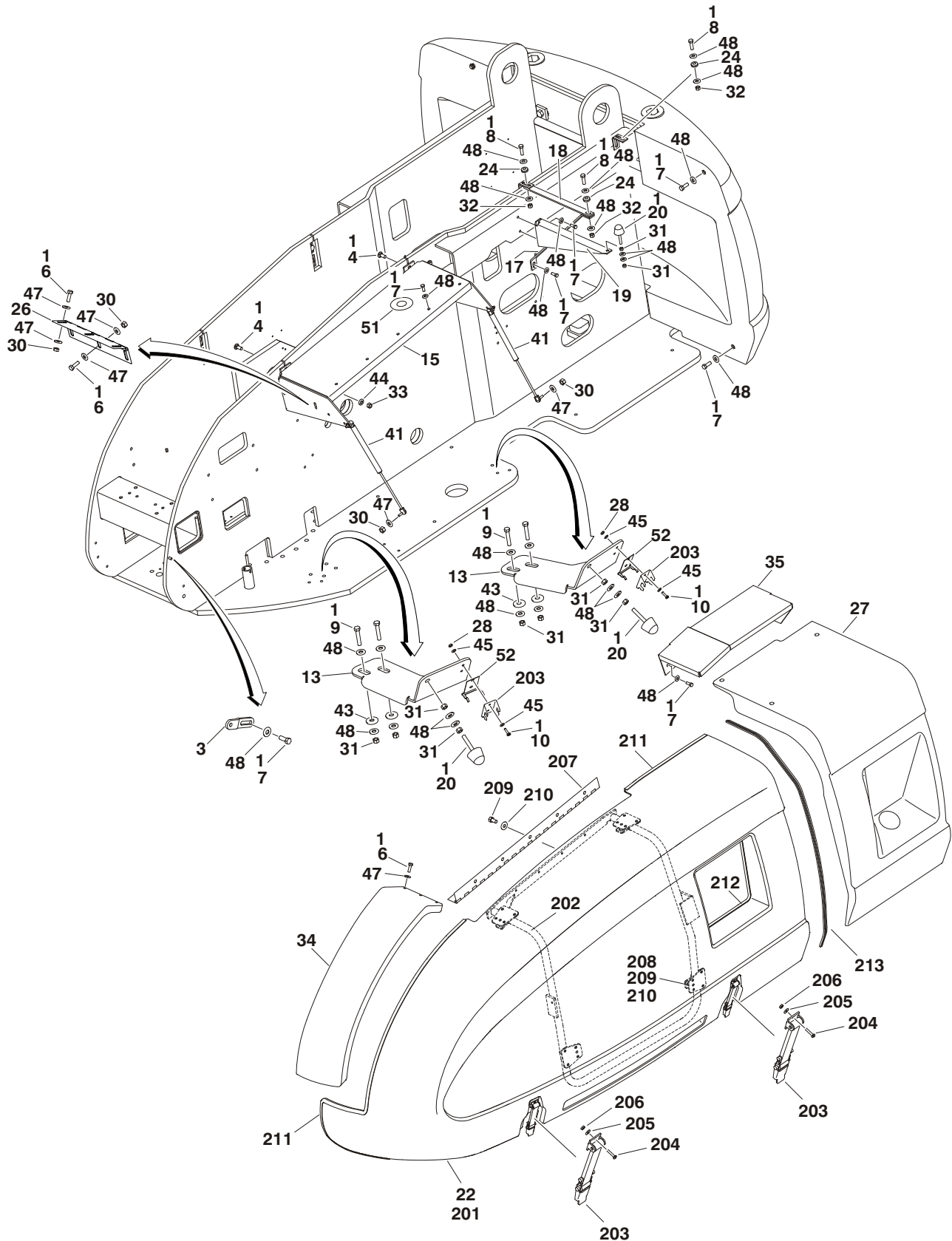
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FIGURE 2-25. HOODS INSTALLATION (PRIOR TO SN 0300089982) (CONTINUED)

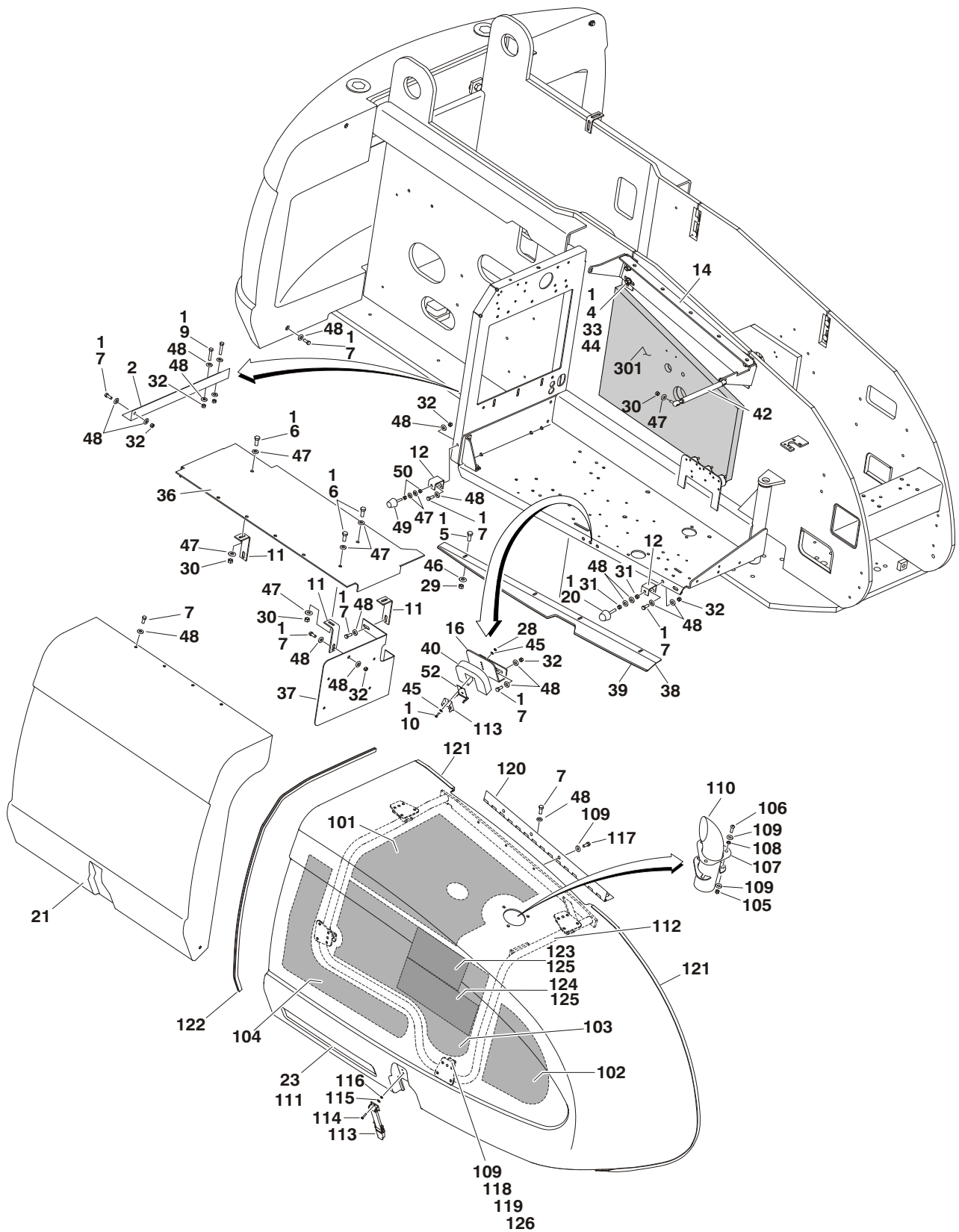
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2680488	Ref	HOOD ASSEMBLY (STORAGE COMPARTMENT) (PRIOR TO SN 0300087262)	E
401	Use 2680488	1	Hood	
402	2940088	1	Latch	
403	0721008	2	Screw, Machine #10-24NC x 1in	
404	4751000	2	Flatwasher #10 Regular	
405	3311005	2	Locknut #10-24NC	

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FIGURE 2-26. HOODS INSTALLATION (SN 0300089982 TO SN 0300140000)



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FIGURE 2-26. HOODS INSTALLATION (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	HOODS INSTALLATIONS	
	0274762	Ref	CATERPILLAR ENGINES	E
		Ref	DEUTZ ENGINES	
	0274762	Ref	SN 0300089982 TO SN 0300129454	E
	1001100386	Ref	SN 0300129454 TO SN 0300140000	A
	0274768	Ref	FORD ENGINES	D
	0275547	Ref	GM ENGINES	E
1	0100011	AR	Compound, Locking	
2	0182077	1	Angle, Hood Support	
3	0362770	1	Bar, Panel Mounting	
4	0630507	8	Bolt, Carriage 1/2in-13NC x 1-1/4in	
5	0641406	4	Bolt 1/4in-20NC x 3/4in	
6	0641508	9	Bolt 5/16in-18NC x 1in	
7	0641608	33	Bolt 3/8in-16NC x 1in	
8	0641610	3	Bolt 3/8in-16NC x 1-1/4in	
9	0641616	6	Bolt 3/8in-16NC x 2in	
10	0721006	6	Screw #10-24NC x 3/4in	
11	0901921	3	Bracket, Hood Mounting	
12	0902219	2	Bracket, Bumper	
13	0902223	2	Bracket, Latch	
14	0902351	1	Bracket, Hood Mounting	
15	0902412	1	Bracket, Hood Mounting	
16	0902491	1	Bracket, Latch	
17	0902673	1	Bracket, Support (Front Cover)	
18	0902674	1	Bracket, Support (Front Cover)	
19	0902769	1	Bracket, Bumper Support	
20	0940071	4	Bumper	
21	1671201	1	Cover	
22	1671228	1	Hood Assembly (See Items 201-213 for Breakdown)	
23		1	Hood Assembly (See Items 101-126 for Breakdown)	
	1671248		Caterpillar Engines	
			Deutz Engines	
	1671248		SN 0300089982 to SN 0300129454	
	1001099138		SN 0300129454 to SN 0300140000	
	1671236		Ford Engines	
			GM Engines Options:	
	1671332		SN 0300089982 to SN 0300139210	
	1001117045		SN 0300139210 to SN 0300140000	
24	2540035	3	Grommet	
25	Not Used			
26	2600244	1	Hinge, Adapter Panel	
27	2680490	1	Hood, Right Cover	
28	3311005	6	Locknut #10-24NC	
29	3311405	4	Locknut 1/4in-20NC	
30	3311505	12	Locknut 5/16in-18NC	
31	3311601	8	Nut 3/8in-16NC	
32	3311605	15	Locknut 3/8in-16NC	
33	3311805	8	Locknut 1/2in-13NC	

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FIGURE 2-26. HOODS INSTALLATION (SN 0300089982 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34	3380444	1	Panel, Adapter	
35	3380461	1	Cover, Top (Tank Side)	
36	3380575	1	Panel, Cover	
37	3380580	1	Panel, Storage Box (Top)	
38	3571712	1	Plate, Seal	
39	3960389	3.5ft/1.1m	Seal	
40	3960470	1	Seal, Latch	
41	4160139	2	Spring, Gas (Tank Side)	
42	4160143	1	Spring, Gas (Engine Side)	
43	4740076	4	Washer, Fender	
44	4740171	8	Washer, Hardened	
45	4751000	12	Flatwasher #10 Regular	
46	4751400	4	Flatwasher 1/4in Regular	
47	4751500	23	Flatwasher 5/16in Regular	
48	4751600	67	Flatwasher 3/8in Regular	
49	0940088	1	Bumper	
50	3321501	2	Nut 5/16in-24NF	
51	1120601	1	Plug, Cap (SN 0300098641 to SN 0300140000)	
52	2940188	3	Latch, Spring Clip (SN 0300098641 to SN 0300140000)	
		Ref	HOOD ASSEMBLIES (ENGINE SIDE)	
	1671248	Ref	Caterpillar Engines	D
		Ref	Deutz Engines Options:	
	1671248	Ref	SN 0300089982 to SN 0300129454	D
	1001099138	Ref	SN 0300129454 to SN 0300140000	B
	1671236	Ref	Ford Engines	E
		Ref	GM Engines Options:	D
	1671332	Ref	SN 0300089982 to SN 0300139210	E
	1001117045	Ref	SN 0300139210 to SN 0300140000	A
101		1	Foam Options:	
			Caterpillar Engine Machines	
	2820080		SN 0300089982 to SN 0300124624	
	1001101391		SN 0300124624 to SN 0300140000	
			Deutz Engine Machines	
	2820080		SN 0300089982 to SN 0300124624	
	1001101391		SN 0300124624 to SN 0300129454	
	1001101673		SN 0300129454 to SN 0300140000	
	See Note		Ford & GM Engine SN 0300089982 to SN 0300139210	
			Note: Refer to note at items 123 & 124.	
	1001117139		GM Engine SN 0300139210 to SN 0300140000	
102	2820233	1	Insulation, Rear Sound (Caterpillar/Deutz Engine Machines Only)	
103		1	Insulation, Center Sound Options:	
	2820234		Caterpillar/Deutz Engine Machines	
	Not Required		Ford/GM Engine Machines	
104	2820235	1	Insulation, Rear Sound (Caterpillar/Deutz Engine Machines Only)	
105	3311605	AR	Locknut 3/8inx16NC	
106	3900232	AR	Screw, Button Head 3/8in-16NC x 1-1/4in	

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FIGURE 2-26. HOODS INSTALLATION (SN 0300089982 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
107	4061010	1	Shield, Heat Gasket Options: SN 0300089982 to SN 0300124624 SN 0300124624 to SN 0300129454	
	1001101392		Caterpillar/Deutz Engine Machines	
	Not Required		GM Engine Machines	
			SN 0300129454 to SN 0300140000	
	1001101392		Caterpillar Engine Machines	
	1001101623		Deutz Engine Machines	
	Not Required		GM Engine Machines	
108	4740500	AR	Washer (Special)	
109	4751600	AR	Flatwasher 3/8in Regular	
110		1	Exhaust Tube Weldment Options:	
	4846588		Caterpillar Engine Machines	
			Deutz Engine Machines	
	4846588		SN 0300089982 to SN 0300129454	
	1001099121		SN 0300129454 to SN 0300140000	
	3460399		Ford Engine Machines	
			GM Engine Machines Options:	
	3460552		SN 0300089982 to SN 0300139210	
	1001117040		SN 0300139210 to SN 0300140000	
111		1	Hood Kit Options:	
	1001097966		Caterpillar Engine Machines (Includes Items 101, 102, 103, 104, 107 & 108)	
			Deutz Engine Machines	
	1001097966		SN 0300089982 to SN 03000129454 (Includes Items 101, 102, 103, 104, 107 & 108)	
	1001099139		SN 03000129454 to SN 03000140000 (Must also purchase Items 101, 102, 103, 104, 107 & 108)	
	1001097964		Ford/GM Engine Machines (Includes Items 108, 123 & 124)	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
112	1671230	1	Frame, Tubular	
113	2940088	1	Latch	
114	0721008	2	Screw, Machine #10-24NC x 1in	
115	4751000	2	Flatwasher #10 Regular	
116	3311005	2	Locknut #10-24NC	
117	0641608	6	Bolt 3/8in-16NC x 1in	
118	1321384	4	Hold Down	
119	0641606	4	Bolt 3/8in-16NC x 3/4in	
120	2600209	1	Hinge	
121	3960464	65in/1.67m	Seal	
122	3960462	61in/1.55m	Seal	
123	See Note	1	Insulation, Heat (Ford & GM Engine Only) (was p/ns 2820176 & 1001101323) (Note: Use Item 101) (Note: Cover complete inside of hood with insulation. Fasten with Item 125 Tape.)	
124	See Note	1	Insulation, Heat (GM Engine Only) (was p/ns 2820153 & 1001101324) (Note: Use Item 101) (Note: Cover complete inside of hood with insulation. Fasten with Item 125 Tape.)	

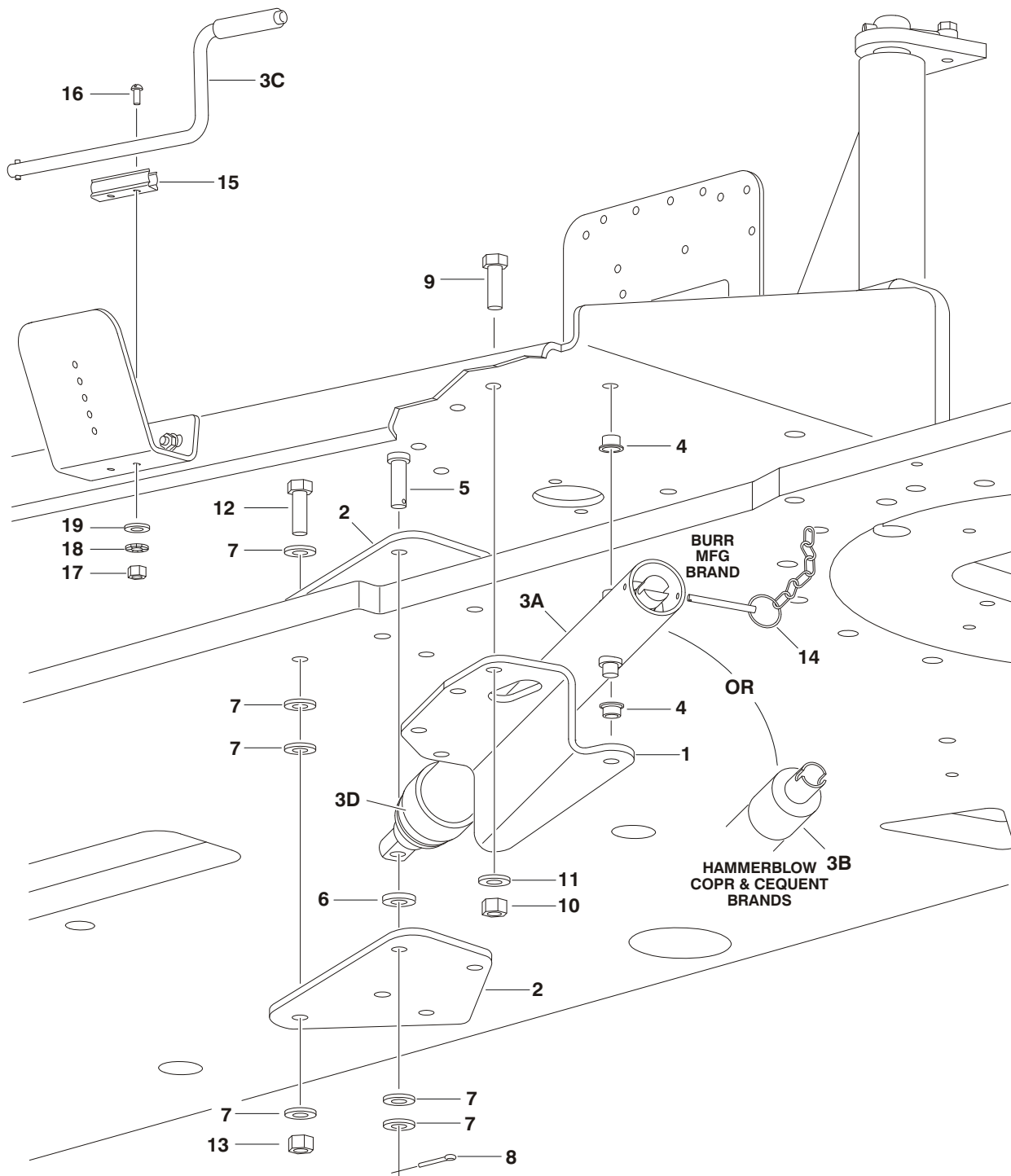
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FIGURE 2-26. HOODS INSTALLATION (SN 0300089982 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
125	1001117140	AR	Tape, Aluminized Polyester (GM Engine Machines SN 03000139210 to SN 03000140000 Only)	A
126	0100011	AR	Compound, Locking (GM Engine Machines SN 03000139210 to SN 03000140000 Only)	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE)	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
201	1671231	1	Hood	
202	1671232	1	Frame, Tubular	
203	2940088	2	Latch	
204	0721008	4	Screw, Machine #10-24NC x 1in	
205	4751000	4	Flatwasher #10 Regular	
206	3311005	4	Locknut #10-24NC	
207	2600233	1	Hinge	
208	1321384	4	Hold Down	
209	0641606	9	Bolt 3/8in-16NC x 3/4in	
210	4711600	9	Flatwasher 3/8in Thin	
211	3960464	83in/2.11m	Seal	
212	3960438	55in/1.4m	Seal	
213	3960462	53in/1.35m	Seal	
	0272081	Ref	NOISE REDUCTION INSTALLATION (DEUTZ/CATERPILLAR ENGINE MACHINES) (OPTIONAL)	4
301	2820078	1	Foam, Acoustical (Turntable Side)	

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FIGURE 2-27. ENGINE TRAY JACK INSTALLATION (OPTIONAL)



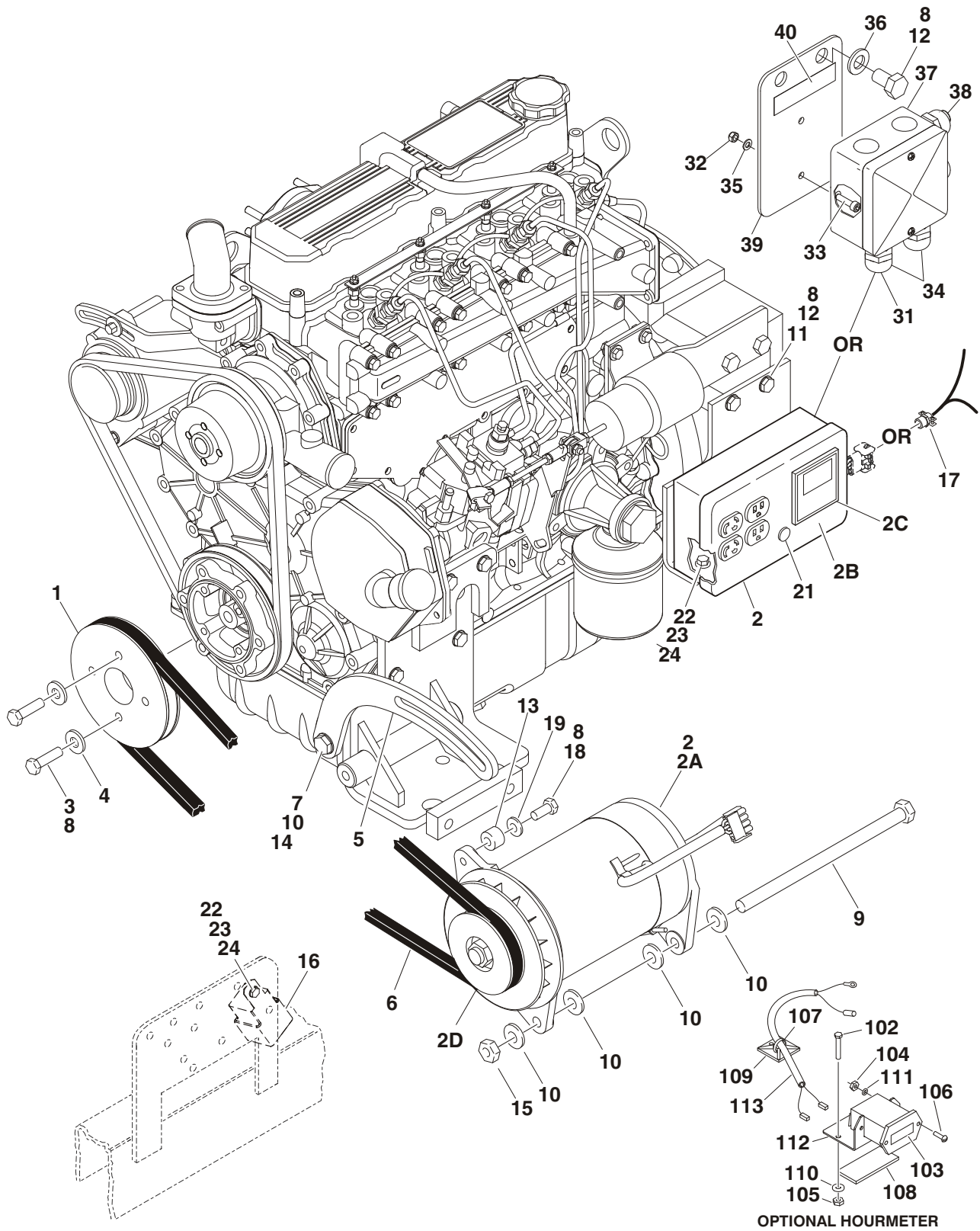
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FIGURE 2-27. ENGINE TRAY JACK INSTALLATION (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258728	Ref	ENGINE TRAY JACK INSTALLATION	2/C
1	3537445	1	Bracket	F
2	3537446	2	Bracket	
3	2840016	1	Jack and Handle Assembly Options:	
3A			Burr Manufacturing Brand	
3B			Hammerblow Corp Brand	
3C		1	Handle Options:	
	7016374		Burr Manufacturing Brand	
	7024598		Hammerblow Corp Brand	
3D	7016322	1	Wiper (Burr Manufacturing Brand Only)	
4	0962051	2	Bearing, Flange	
5	3430816	1	Pin, Clevis	
6	4891800	1	Flatwasher 1/2in Hardened	
7	4711800	6	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	0641818	4	Bolt 1/2in-13NC x 2-1/4in	
13	3311805	4	Locknut 1/2in-13NC	
14	3422530	1	Pin, Hitch (Prior to SN 0300070676)	
15	1380147	1	Clip, Spring	
16	3910608	2	Screw, Round Head #6-32NC x 1in	
17	3310601	2	Nut #6-32NC	
18	4770600	2	Starwasher #6	
19	4740119	2	Washer, Aluminum	

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FIGURE 2-28. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)



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FIGURE 2-28. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATION OPTIONS:	
		Ref	ANSI Specs - 110V/60Hz	
	0273518	Ref	Prior to SN 0300079612	3/C
	0274081	Ref	SN 0300079612 to SN 0300139398	1/A
	1001115404	Ref	SN 0300139398 to SN 0300140000	A
		Ref	ANSI Export Specs - 110V/50Hz	
	0273538	Ref	Prior to SN 0300079612	3/C
	0274091	Ref	SN 0300079612 to SN 0300132893	3/B
	1001102547	Ref	SN 0300132893 to SN 0300139398	B
	1001115413	Ref	SN 0300139398 to SN 0300140000	A
		Ref	ANSI Export Specs - 220V/50Hz	
	0273539	Ref	Prior to SN 0300079612)	3/C
	0274087	Ref	SN 0300079612 to SN 0300132893	3/B
	1001102548	Ref	SN 0300132893 to SN 0300139398	B
	1001115414	Ref	SN 0300139398 to SN 0300140000	A
1	3580322	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460032		110V/60Hz (Prior to SN 0300079612)	
	2460055		110V/60Hz (SN 0300079612 to SN 0300140000)	
	2460039		110V/50Hz (Prior to SN 0300079612)	
	2460057		110V/50Hz (SN 0300079612 to SN 0300132893)	
	2460049		110V/50Hz Generator Only (SN 0300132893 to SN 0300140000)	
	2460013		220V/50Hz (Prior to SN 0300079612)	
	2460056		220V/50Hz (SN 0300079612 to SN 0300132893)	
	1001100321		220V/50Hz Generator Only (SN 0300132893 to SN 0300140000)	
2A		1	Generator Options:	
	7012558		110V/60Hz	
	2460049		110V/50Hz	
	1001100321		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.	
	7026199	1	110V/60Hz Armature with Slip Rings	
	70000122	1	110V/50Hz Armature with Slip Rings	
	70000123	1	220V/50Hz Armature with Slip Rings	
	7012513	4	Cap, Brush Holder	
	7020108	4	Brush	
	7020109	4	Holder, Brush	
	7012514	1	Fan	
	7020190	2	Bearing	
	7020110	1	End Bell, Front	
	7020111	1	End Bell, Rear	

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**FIGURE 2-28. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
2B		1	Box, Control Options:	
	7003657		110V/60Hz (Prior to SN 0300079612)	
	7019680		110V/60Hz (SN 0300079612 to SN 0300140000)	
	70002239		110V/50Hz (Prior to SN 0300079612)	
	7019680		110V/50Hz (SN 0300079612 to SN 0300132893)	
	70002235		220V/50Hz (Prior to SN 0300079612)	
	70000127		220V/50Hz (SN 0300079612 to SN 0300132893)	
		1	Breaker, Circuit Options:	
	4360542		110V/60Hz	
	70002240		110V/50Hz (Prior to SN 0300079612)	
	4360542		110V/50Hz (SN 0300079612 to SN 0300132893)	
	70000126		220V/50Hz	
	4460190	AR	Receptacle, Double (110V Box)	
	4460027	AR	Receptacle, Double Twist Lock (110V Box)	
	70000124	1	Receptacle, Double (220V Box)	
	70000125	1	Receptacle, Single Twist Lock (220V Box)	
2C	2920162	1	Lamp Assembly (Prior to SN 0300079612)	
	7020191		Switch, Toggle (Prior to SN 0300079612)	
		1	Voltmeter Options:	
2D	2420203		110V	
	7020192		220V	
		1	Pulley Options:	
	3580276		110V/60Hz	
	3580134		110V/50Hz	
	3580134		220V/50Hz	
	7027887	1	Key, Woodruff	
3	0700816	4	Bolt M8 x 40mm	
4	4751900	4	Flatwasher 9/16in Regular	
	4811900	4	Flatwasher M8 (1001102547, 1001102548, 1001115404, 1001115413 & 1001115414 Installations Only)	
5	Use 0200819	1	Arm, Adjusting (was p/n 0200742)	
6		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	AR	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	0701210	2	Bolt M12 x 20mm	
13	0962563	1	Bushing, Spacer (was p/n 0962653)	
14	3311605	1	Locknut 3/8in-16NC	
15	3311705	1	Locknut 7/16in-14NC	
16	3740080	1	Relay	
17	4460023	1	Connector, Strain Relief (Prior to SN 0300079612)	
18	0641508	1	Bolt 5/16in-18NC x 1in	
19	4751500	1	Flatwasher 5/16in Regular	
20	Not Used			

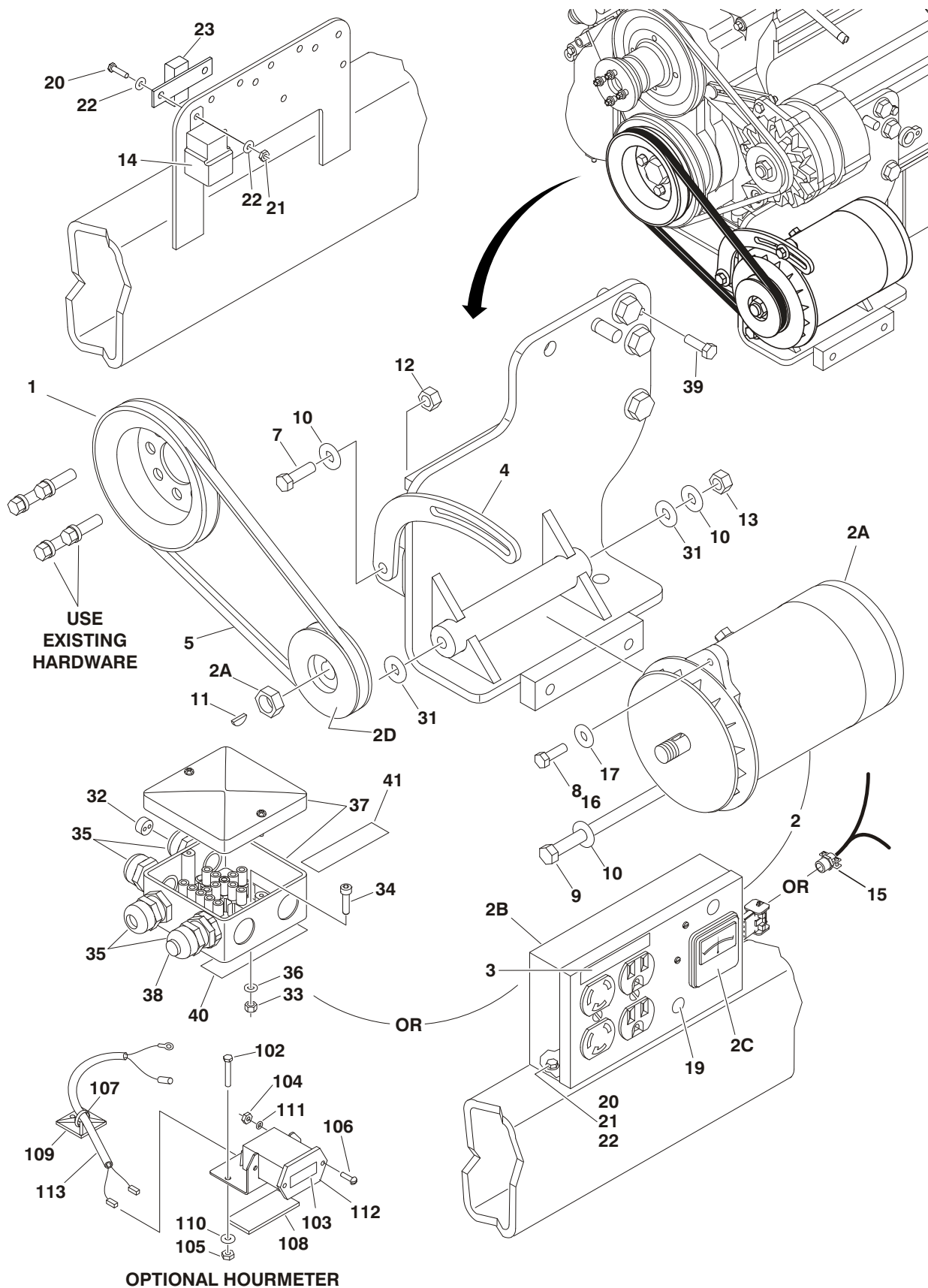
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**FIGURE 2-28. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
21	3520028	1	Plug, Hole	
22	0721006	AR	Bolt #10-24NC x 3/4in	
23	3311005	AR	Locknut #10-24NC	
24	4751000	AR	Flatwasher #10 Regular	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform) (Prior to SN 0300074859)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28		1	Decal - Voltage Options (Not Shown - Located at Platform):	
	Not Required		110V/60Hz	
	1705325		110V/50Hz	
	3252507		220V/50Hz	
29	2820031	4in/10cm	Heatshrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	
		Ref	Note: Items 31 thru 40 Used with 1001102547, 1001102548 1001115413 & 1001115414 Installations Only.	
31	0962449	1	Bushing, Silicone	
32	3290505	1	Locknut M5	
33	4031608	2	Capscrew M5 x 20mm	
34	4460968	3	Bushing, Strain Relief	
35	4811600	2	Flatwasher M5	
36	4812100	2	Flatwasher M12	
37	1001099869	1	Box, Junction	
38		1	Light, Red Options:	
	1001100233		110V/50Hz	
	1001100234		220V/50Hz	
39	1001102644	1	Bracket, AC Junction Box	
40		1	Decal - Voltage Options:	
	1705325		110V/50Hz	
	3252507		220V/50Hz	
	1001094475	Ref	HOURLMETER INSTALLATION (OPTIONAL)	
101	Not Used			
102	0720808	1	Screw #8-32 x 1in	
103	2420165	1	Hourmeter	
104	3310601	2	Nut #6-32	
105	3310805	1	Locknut #8-32	
106	3910608	2	Screw #6-32 x 1/2in	
107	4240032	4	Strap, Tie	
108	4420060	3in/7cm	Tape, Double-Sided	
109	4460234	3	Mount, Tie Strap	
110	4750800	1	Flatwasher #8 Regular	
111	4760600	2	Lockwasher #6	
112	1001094375	1	Bracket, Hourmeter	
113	1001094509	1	Harness, Hourmeter	
114	4460018	1	Connector, Butt Splice (Not Shown)	
				B

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FIGURE 2-29. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)



SECTION 2 TURNTABLE

FIGURE 2-29. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATION OPTIONS:	
		Ref	ANSI Specs - 110V/60Hz	
	0271544	Ref	Prior to SN 0300069570	3/B
	0272480	Ref	SN 0300068570 to SN 0300079612	3/B
	0274082	Ref	SN 0300079612 to SN 0300139080	3/C
	1001115405	Ref	SN 0300139080 to SN 0300140000	A
		Ref	ANSI Export Specs - 110V/50Hz	
	0272482	Ref	Prior to SN 0300079612	3/B
	0274090	Ref	SN 0300079612 to SN 0300122230	1/A
	1001100308	Ref	SN 0300122230 to SN 0300139080	D
	1001115410	Ref	SN 0300139080 to SN 0300140000	A
		Ref	ANSI Export Specs - 220V/50Hz	
	0271547	Ref	Prior to SN 0300069570	5/C
	0272481	Ref	SN 0300068570 to SN 0300079612	2/A
	0274086	Ref	SN 0300079612 to SN 0300122915	1/A
	1001099868	Ref	SN 0300122915 to SN 0300139080	D
	1001115409	Ref	SN 0300139080 to SN 0300140000	A
1	3580158	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460011		110V/60Hz (Prior to SN 0300066054)	
	2460032		110V/60Hz (SN 0300066054 to SN 0300079612)	
	2460055		110V/60Hz (SN 0300079612 to SN 0300140000)	
	2460039		110V/50Hz (SN 0300068570 to SN 0300079612)	
	2460057		110V/50Hz (SN 0300079612 to SN 0300122230)	
	2460049		110V/50Hz Generator Only (SN 0300122230 to SN 0300140000)	
	2460013		220V/50Hz (Prior to SN 0300066054)	
	2460034		220V/50Hz (SN 0300066054 to SN 0300066741)	
	2460013		220V/50Hz (SN 0300066741 to SN 0300079612)	
	2460056		220V/50Hz (SN 0300079612 to SN 0300122915)	
	1001100321		220V/50Hz Generator Only (SN 0300122915 to SN 0300140000)	
2A		1	Generator Options:	
	7012558		110V/60Hz	
	2460049		110V/50Hz	
	1001100321		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.	
	7026199	1	110V/60Hz Armature with Slip Rings	
	70000122	1	110V/50Hz Armature with Slip Rings	
	70000123	1	220V/50Hz Armature with Slip Rings	
	7012513	4	Cap, Brush Holder	
	7020108	4	Brush	
	7020109	4	Holder, Brush	
	7012514	1	Fan	
	7020190	2	Bearing	

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**FIGURE 2-29. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
2A (cont'd)	7020110	1	End Bell, Front	
	7020111	1	End Bell, Rear	
2B		1	Box, Control Options:	
	7003657		110V/60Hz (Prior to SN 0300079612)	
	7019680		110V/60Hz (SN 0300079612 to SN 0300140000)	
	70002240		110V/50Hz (Prior to SN 0300079612)	
	7019680		110V/50Hz (SN 0300079612 to SN 0300136859)	
	70002235		220V/50Hz (Prior to SN 0300079612)	
	70000127		220V/50Hz (SN 0300079612 to SN 0300122915)	
		1	Breaker, Circuit Options:	
	4360542		110V/60Hz	
	70002240		110V/50Hz (Prior to SN 0300079612)	
	4360542		110V/50Hz (SN 0300079612 to SN 0300136859)	
	70000126		220V/50Hz	
	4460190	AR	Receptacle, Double (110V Box)	
	4460027	AR	Receptacle, Double Twist Lock (110V Box)	
	70000124	1	Receptacle, Double (220V Box)	
	70000125	1	Receptacle, Single Twist Lock (220V Box)	
	2920162	1	Lamp Assembly (Prior to SN 0300079612)	
	7020191	1	Switch, Toggle (Prior to SN 0300079612)	
2C		1	Voltmeter Options:	
	2420203		110V	
	7020192		220V	
2D		1	Pulley Options:	
	3580134		110V/60Hz (Prior to SN 0300066054)	
	3580276		110V/60Hz (SN 0300066054 to SN 0300140000)	
	3580134		110V/50Hz	
	3580134		220V/50Hz (Prior to SN 0300066054)	
	3580276		220V/50Hz (SN 0300066054 to SN 0300066741)	
	3580134		220V/50Hz (SN 0300066741 to SN 0300140000)	
3	3251243	1	Decal - 120V - 60Hz (SN 0300094410 to SN 0300140000)	
4		1	Arm, Adjusting Options:	
	0200741		Prior to SN 0300069570	
	0200742		SN 0300069570 to SN 0300140000	
5		1	V-Belt Options:	
			110V/60Hz	
	0480119		Prior to SN 0300066054	
	0480111		SN 0300066054 to SN 0300069570	
	0480121		SN 0300069570 to SN 0300140000	
			110V/50Hz	
	0480120		Prior to SN 0300069570	
	0480121		SN 0300069570 to SN 0300140000	
			220V/50Hz	
	0480119		Prior to SN 0300066054	
	0480050		SN 0300066054 to SN 0300066741	
	0480119		SN 0300066741 to SN 0300069570	
	0480121		SN 0300069570 to SN 0300140000	
6	Not Used			

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**FIGURE 2-29. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
7	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
8	0100011	AR	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		
14	3740080	1	Relay	
15	4460023	1	Connector, Strain Relief (Prior to SN 0300079612)	
16	0641508	1	Bolt 5/16in-18NC x 1in	
17	4751500	1	Flatwasher 5/16in Regular	
18	Not Used			
19	3520028	1	Plug, Hole (ANSI Specs Only)	
20	0721006	AR	Bolt #10-24NC x 3/4in	
21	3311005	AR	Locknut #10-24NC	
22	4751000	AR	Flatwasher #10 Regular	
23	4360294	1	Breaker, Circuit - 30 Amp (Prior to SN 0300079612)	
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 at Turntable) (220V/50Hz Generator Only)	
	1705325	1	Decal - 120V-50Hz (Not Shown - Located at Turntable) (110V/ 50Hz Generator Only) (Prior to SN 0300079612)	
29	2820031	4in/10cm	Heatshrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	
31	4070585	AR	Shim (SN 0300094410 to SN 0300140000)	
		Ref	Note: Items 32 thru 41 Used with 1001100308, 1001115410, 1001099868 & 1001115409 Installations Only.	
32	0962449	1	Bushing, Silicone	
33	3290505	1	Locknut M5	
34	4031608	1	Capscrew M5 x 20mm	
35	4460968	4	Bushing, Strain Relief	
36	4811600	1	Flatwasher M5	
37	1001099869	1	Box, Junction	
38		1	Light, Red Options:	
	1001100233		110V/50Hz	
	1001100234		220V/50Hz	
39	0641404	1	Bolt 1/4in-20NC x 1/2in	
40	4420060	AR	Tape, Double Sided	
41		1	Decal Options:	
	3252507	1	Decal - 220V-50/60Hz	
	1705325	1	Decal - 120V-50Hz	

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**FIGURE 2-29. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001094475	Ref	HOURLMETER INSTALLATION (OPTIONAL)	B
101	Not Used			
102	0720808	1	Screw #8-32 x 1in	
103	2420165	1	Hourmeter	
104	3310601	2	Nut #6-32	
105	3310805	1	Locknut #8-32	
106	3910608	2	Screw #6-32 x 1/2in	
107	4240032	4	Strap, Tie	
108	4420060	3in/7cm	Tape, Double-Sided	
109	4460234	3	Mount, Tie Strap	
110	4750800	1	Flatwasher #8 Regular	
111	4760600	2	Lockwasher #6	
112	1001094375	1	Bracket, Hourmeter	
113	1001094509	1	Harness, Hourmeter	
114	4460018	1	Connector, Butt Splice (Not Shown)	

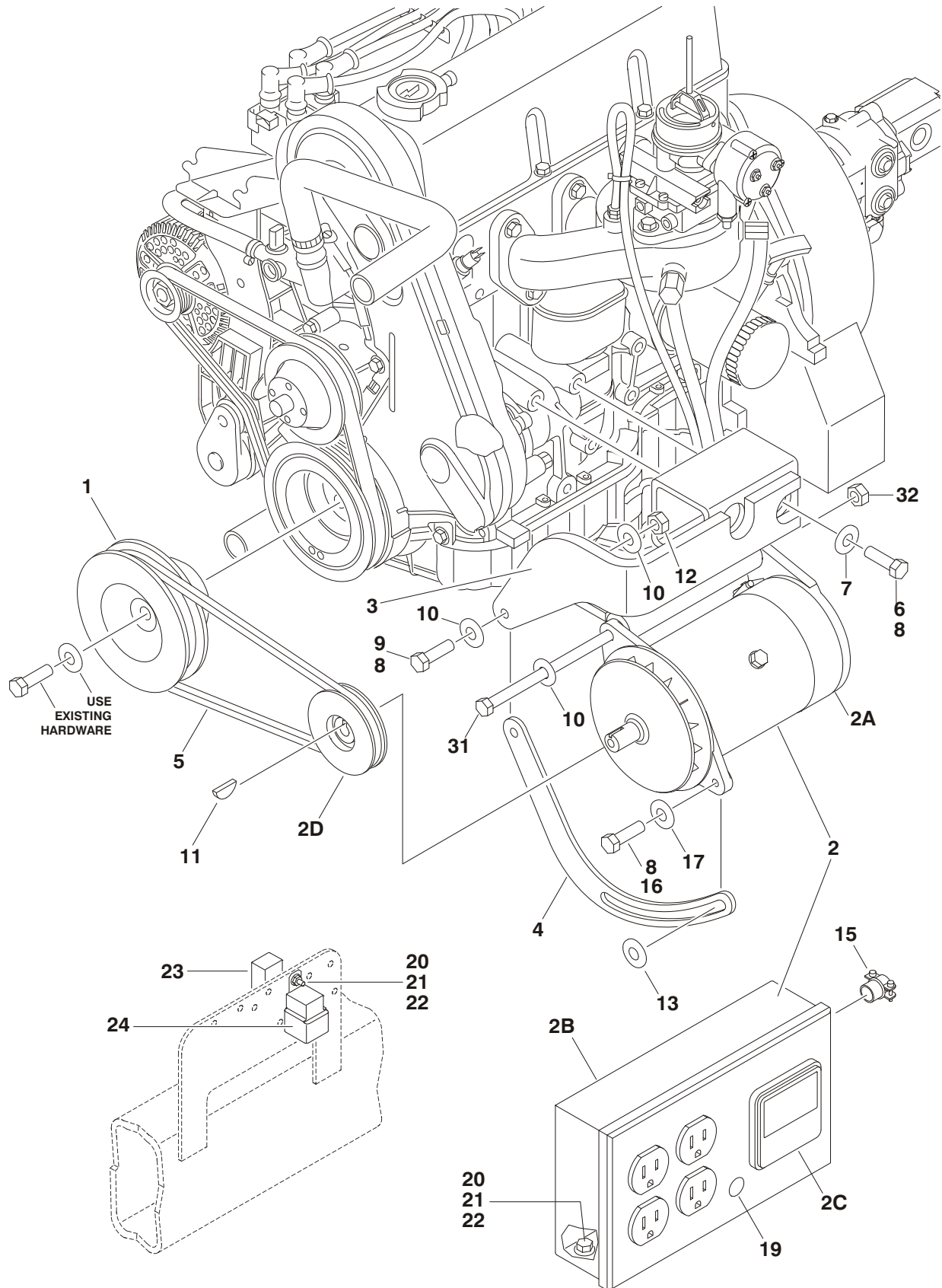
SECTION 2 TURNTABLE

**FIGURE 2-29. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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**FIGURE 2-30. 2500W GENERATOR INSTALLATION - FORD MACHINES (PRIOR TO SN 03000079612)
(OPTIONAL)**



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FIGURE 2-30. 2500W GENERATOR INSTALLATION - FORD MACHINES (PRIOR TO SN 03000079612) (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATION OPTIONS:	
	0271545	Ref	110V/60Hz Generator	5/D
	0271546	Ref	220V/50Hz Generator	4/C
1	3580250	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460011		110V/60Hz (Prior to SN 0300066054)	
	2460032		110V/60Hz (SN 0300066054 to SN 0300069570)	
	2460044		110V/60Hz (SN 0300069570 to SN 0300079612)	
	2460013		220V/50Hz (Prior to SN 0300066054)	
	2460034		220V/50Hz (SN 0300066054 to SN 0300066741)	
	2460013		220V/50Hz (SN 0300066741 to SN 0300079612)	
2A		1	Generator Options:	
	7012558		110V/60Hz	
	1001100321		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.	
	7026199	1	110V/60Hz Armature with Slip Rings	
	70000123	1	220V/50Hz Armature with Slip Rings	
	7012513	4	Cap, Brush Holder	
	7020108	4	Brush	
	7020109	4	Holder, Brush	
	7012514	1	Fan	
	7020190	2	Bearing	
	7020110	1	End Bell, Front	
	7020111	1	End Bell, Rear	
2B		1	Box, Control Options:	
	7003657		110V/60Hz	
	70002235		220V/50Hz	
		1	Breaker, Circuit Options:	
	4360542		110V/60Hz	
	70000126		220V/50Hz	
	4460190	2	Receptacle, Double (110V Box)	
	70000124	1	Receptacle, Double (220V Box)	
	70000125	1	Receptacle, Single Twist Lock (220V Box)	
	2920162	1	Lamp Assembly	
	7020191	1	Switch, Toggle	
2C		1	Voltmeter Options:	
	2420203		110V/60Hz	
	7020192		220V/50Hz	
2D	3580134	1	Pulley	
	7027887	1	Key, Woodruff	
3	0902756	1	Bracket, Generator Mounting	
4	0200547	1	Arm, Adjusting	

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FIGURE 2-30. 2500W GENERATOR INSTALLATION - FORD MACHINES (PRIOR TO SN 03000079612) (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
5		1	V-Belt Options: 110V/60Hz 0480050 Prior to SN 0300066054 0480111 SN 0300066054 to SN 0300073380 0480134 SN 0300073380 to SN 0300079612 220V/50Hz 0480050 Prior to SN 0300066054 0480111 SN 0300066054 to SN 0300066741 0480050 SN 0300066741 to SN 0300079612	
6	0701015	2	Bolt M10 x 35mm	
7	4812000	2	Flatwasher M10	
8	0100011	AR	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	3251243	1	Nameplate - 120V-60Hz (110V Generator Only) (Not Shown)	
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	

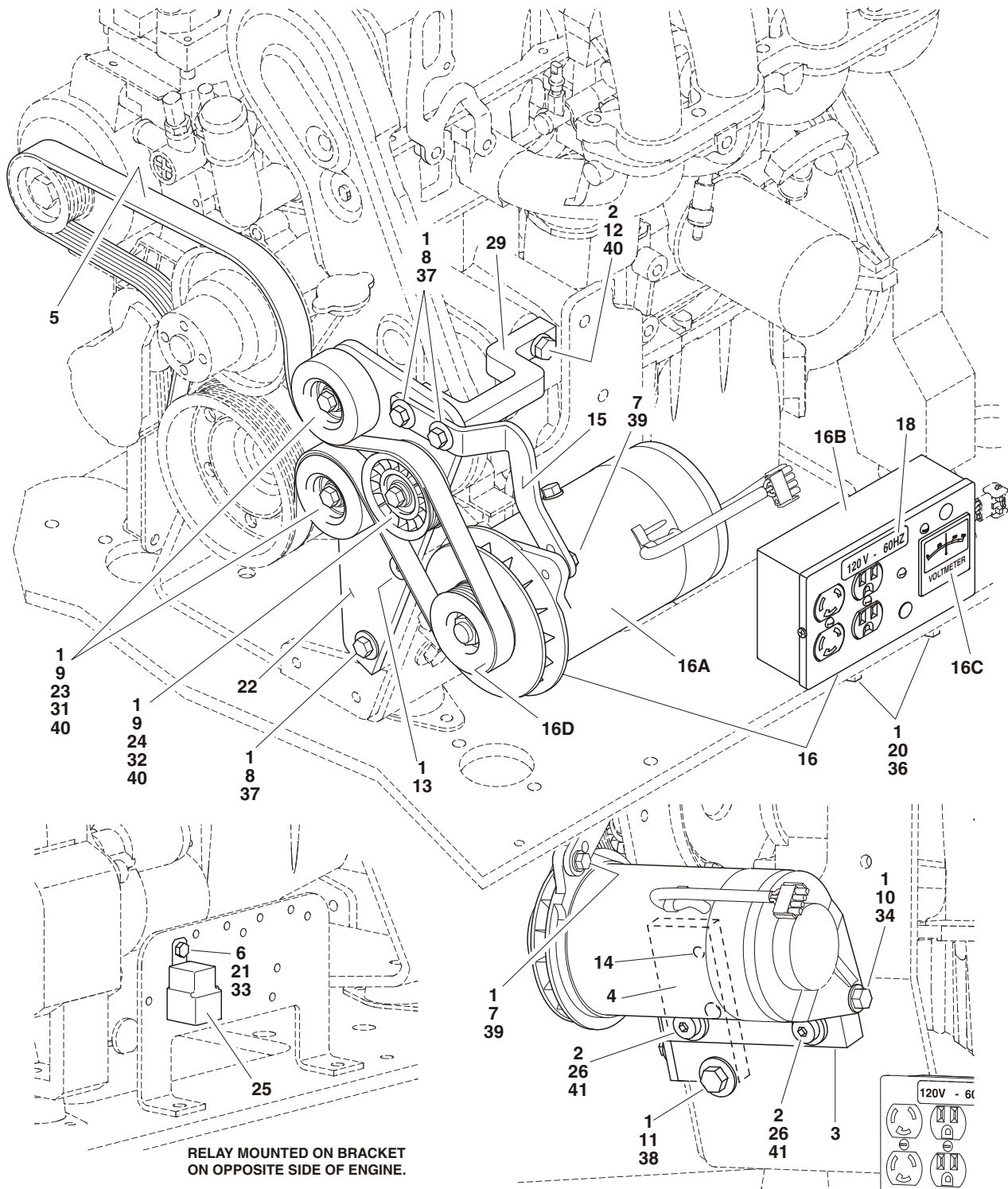
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FIGURE 2-30. 2500W GENERATOR INSTALLATION - FORD MACHINES (PRIOR TO SN 03000079612) (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (SN 0300079612 TO SN 0300140000) (OPTIONAL)



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FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (SN 0300079612 TO SN 0300140000) (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATION OPTIONS:	
	0273507	Ref	110V/60Hz Generator	C
	0273511	Ref	220V/50Hz Generator	D
1	0100011	AR	Compound, Locking	
2	0100019	AR	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 M10 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		110V/60Hz	
	2460052		220V/50Hz	
16A		1	Generator Options:	
	7012558		110V/60Hz	
	1001100321		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.	
	7020109	4	Holder, Brush	
	7020108	4	Brush	
	7012513	4	Cap, Brush Holder	
	7012514	1	Fan	
	7020190	2	Bearing	
	7020110	1	End Bell, Front	
	7020111	1	End Bell, Rear	
16B		1	Box, Control Options:	
	7019680		110V/60Hz	
	70000127		220V/50Hz	
		1	Breaker, Circuit Options:	
	4360542		110V/60Hz	
	70000126		220V/50Hz	
	4460190	1	Receptacle, Double (110V Box)	
	4460027	1	Receptacle, Double Twist Lock (110V Box)	
	70000124	1	Receptacle, Double (220V Box)	
	70000125	1	Receptacle, Single Twist Lock (220V Box)	
16C		1	Voltmeter Options:	
	2420203		110V	
	7020192		220V	

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FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (SN 0300079612 TO SN 0300140000) (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
16D		1	Pulley Options:	
	3580324		110V/60Hz	
	3580325		220V/50Hz	
	7027887	1	Key, Woodruff	
17	2820031	AR	Heatshrink (Not Shown - Located at Platform)	
18		1	Decal Options:	
	1702590		110Volt Generator	
	3251243		220Volt Generator	
19		1	Nameplate Options (Not Shown - Located at Platform):	
	3252764		Prior to SN 0300085037	
	3251102		SN 0300085037 to SN 0300140000	
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	AR	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	

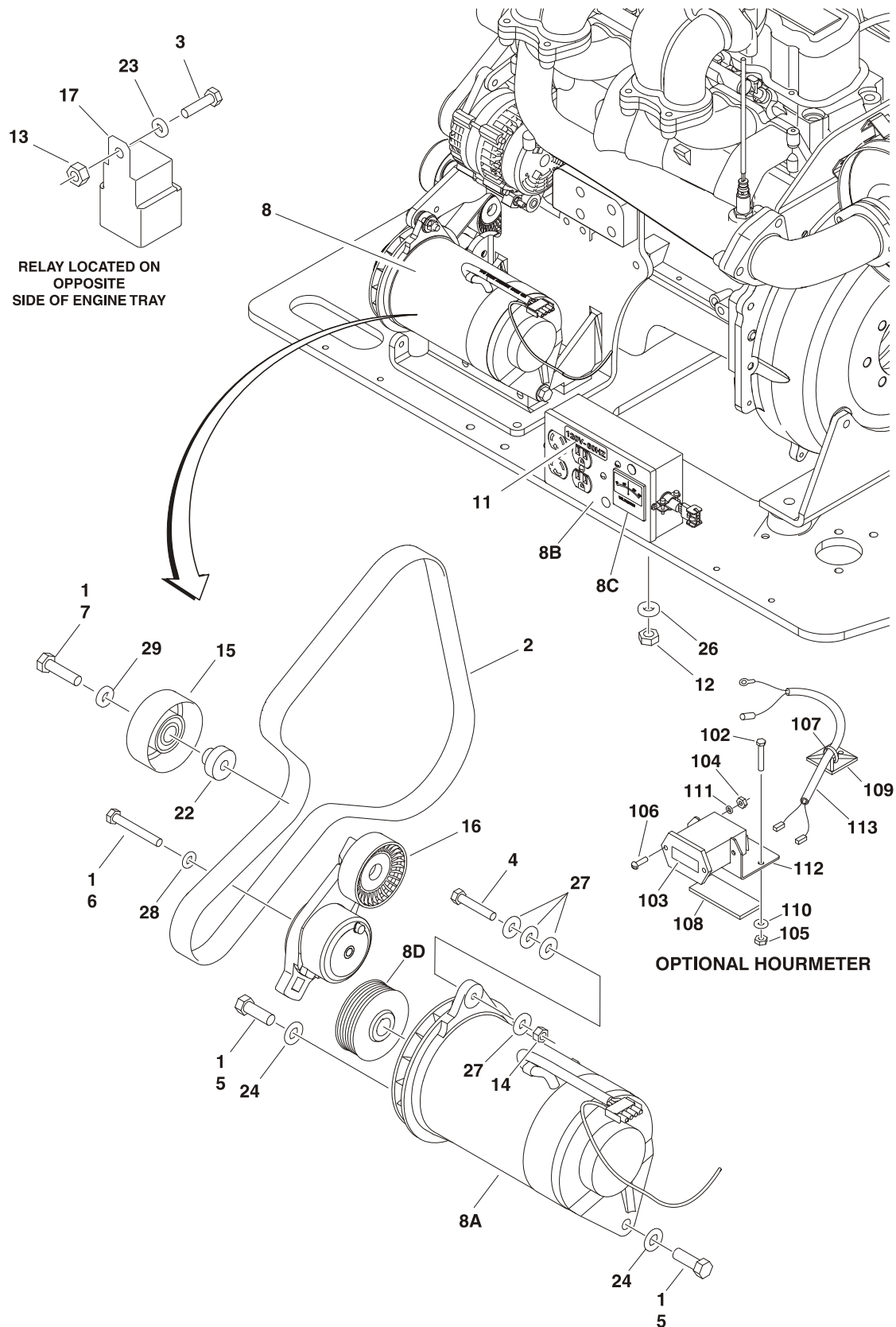
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FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (SN 0300079612 TO SN 0300140000) (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-32. 2500W GENERATOR INSTALLATION - GM MACHINES (OPTIONAL)



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FIGURE 2-32. 2500W GENERATOR INSTALLATION - GM MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATION OPTIONS:	
	0275039	Ref	110V Generator	E
	See Note	Ref	220V Generator (Note: Not Available)	
1	0100011	AR	Compound, Locking	
2	0480142	1	V-Belt	
3	0641405	1	Bolt 1/4in-20NC x 5/8in	
4	0641510	1	Bolt 5/16in-18NC x 1-1/4in	
5	0641710	2	Bolt 7/16in-14NC x 1-1/4in	
6	0700820	1	Bolt 8mm x 60mm	
7	0701016	1	Bolt 10mm x 340mm	
8	2460051	1	Generator and Control Box Assembly	
8A	7012558	1	Generator	
		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.	
	7026199	1	Armature with Slip Rings	
	7020109	4	Holder, Brush	
	7020108	4	Brush	
	7012513	4	Cap, Brush Holder	
	7012514	1	Fan	
	7020190	2	Bearing	
	7020110	1	End Bell, Front	
	7020111	1	End Bell, Rear	
8B	7019680	1	Box Control	
	4360542	1	Breaker, Circuit	
	4460190	1	Receptacle, Double (110V Box)	
	4460027	1	Receptacle, Double Twist Lock (110V Box)	
8C	2420203	1	Voltmeter	
8D	3580324	1	Pulley	
	7027887	1	Key, Woodruff	
9	2820031	AR	Heatshrink (Not Shown - Located at Platform)	
10	3251102	1	Nameplate - Generator (Not Shown - Located at Platform)	
11	3251243	1	Decal	
12	3311005	2	Locknut # 10-24NC	
13	3311405	1	Locknut 1/4in-20NC	
14	3311505	1	Locknut 5/16in-18NC	
15	3580312	1	Pulley, Idler	
16	3580348	1	Tensioner, Belt	
17	3740080	1	Relay, Bosch	
18	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
19	4240018	AR	Tie-Strap (Not Shown)	
20	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
21	4460906	3	Terminal (Not Shown)	
22	4568735	1	Spacer, Tube (Idler Pulley Grooved)	
23	4711400	1	Flatwasher 1/4in Thin	
24	4711700	2	Flatwasher 7/16in Thin	
25	4740397	1	Spacer (Not Shown - Located at Platform)	
26	4751000	2	Flatwasher #10 Regular	

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FIGURE 2-32. 2500W GENERATOR INSTALLATION - GM MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
27	4751500	4	Flatwasher 5/16in Regular	B
28	4811900	1	Flatwasher M8	
29	4891600	1	Flatwasher 3/8in Hardened	
	1001094475	Ref	HOURLMETER INSTALLATION (OPTIONAL)	
101	Not Used			
102	0720808	1	Screw #8-32 x 1in	
103	2420165	1	Hourmeter	
104	3310601	2	Nut #6-32	
105	3310805	1	Locknut #8-32	
106	3910608	2	Screw #6-32 x 1/2in	
107	4240032	4	Strap, Tie	
108	4420060	3in/7cm	Tape, Double-Sided	
109	4460234	3	Mount, Tie Strap	
110	4750800	1	Flatwasher #8 Regular	
111	4760600	2	Lockwasher #6	
112	1001094375	1	Bracket, Hourmeter	
113	1001094509	1	Harness, Hourmeter	
114	4460018	1	Connector, Butt Splice (Not Shown)	

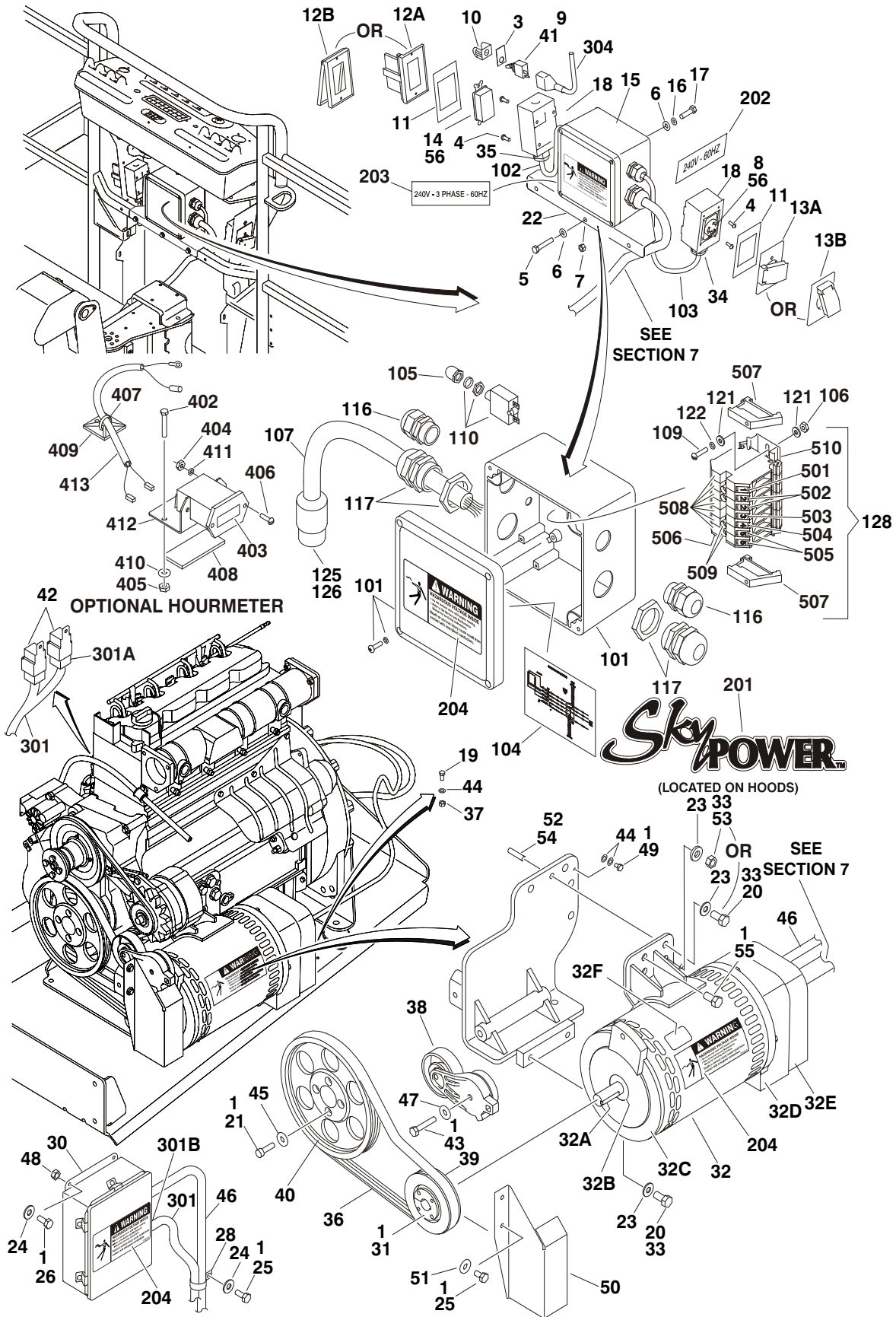
SECTION 2 TURNTABLE

FIGURE 2-32. 2500W GENERATOR INSTALLATION - GM MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES



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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	7500W SKYPOWER GENERATOR INSTALLATION	
	0273540	Ref	60Hz & Caterpillar Engine (Prior to SN 0300139398)	J
	1001115398	Ref	60Hz & Caterpillar Engine (SN 0300139398 to SN 0300140000)	A
	0272344	Ref	60Hz & Deutz Engine (Prior to SN 0300139080)	I
	1001115388	Ref	60Hz & Deutz Engine (SN 0300139080 to SN 0300140000)	A
		Ref	Note: SkyPower Generator is Standard On ANSI & CSA Specs. Optional on All Other Specs.	
1	0100011	AR	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		AR	Flatwasher Options:	
	4711500	10	Flatwasher 5/16in Thin (Caterpillar Engine)	
	4751500	7	Flatwasher 5/16in Regular (Deutz Engine)	
7		3	Locknut Options:	
	3311505		Locknut 5/16in-18NC (Caterpillar Engine)	
	3311508		Nut 5/16in-18NC (Deutz Engine)	
8	4460958	1	Receptacle, Female Twist-Lock	
9	4360336	1	Switch, Toggle	
10	4060802	1	Guard, Switch	
11	3960422	2	Gasket	
12		1	Cover, Receptacle Options:	
12A	4060700		Cover, Side Hinged (Prior to SN 0300138287)	
12B	1001110873		Cover, Top Hinged (SN 0300138287 to SN 0300140000)	
13		1	Cover, Receptacle Options:	
13A	4061043		Cover, Side Hinged (Prior to SN 0300138287)	
13B	1001110872		Cover, Top Hinged (SN 0300138287 to SN 0300140000)	
14	4460346	1	Receptacle	
15	0861542	1	Junction Box Assembly (See Items 101-128 for Breakdown)	
16	4761500	4	Flatwasher 5/16in Regular (Caterpillar Engine Only)	
17		4	Bolt Options:	
	0641505		Bolt 5/16in-18NC x 5/8in (Caterpillar Engine)	
	0641508		Bolt 5/16in-18NC x 1in (Deutz Engine)	
18	0860038	2	Box, Switch	
19	0641406	1	Bolt 1/4in-20NC x 3/4in (Caterpillar Engine Only)	
20	0641808	AR	Bolt 1/2in-13NC x 1in	
21		4	Bolt, Metric Options:	
	0700815		Caterpillar Engine (Bolt M8 x 35mm)	
	4032015		Deutz Engine (Capscrew M10 x 55mm)	
22	0902888	1	Bracket, Box Mounting	
23	4711800	AR	Flatwasher 1/2in Thin	
24		AR	Flatwasher Options:	
	4711400	5	Flatwasher 1/4in Thin (Caterpillar Engine)	
	4751400	8	Flatwasher 1/4in Regular (Deutz Engine)	
25	0641404	AR	Bolt 1/4in-20NC x 1/2in	

SECTION 2 TURNTABLE

FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
26	0641404	4	Bolt Options:	
	0641405		Bolt 1/4in-20NC x 1/2in (Caterpillar Engine)	
27	Not Used		Bolt 1/4in-20NC x 5/8in (Deutz Engine)	
28	1320224	AR	Clamp Options:	
	1320318		Caterpillar Engine (Insulated Metal Clamp Used Prior to SN 0300129315)	
	Not Required		Caterpillar Engine (Plastic Clamp Used SN 0300129315 to SN 0300140000)	
29	4240018	AR	Deutz Engine	
30	Use 0861538	1	Tie-strap (Not Shown)	
	7024488	1	Control Box Assembly (was p/n 7024487):	
	See Note	1	Card, Circuit - Generator Power	
	7024489	1	Fuse (Note: Not Available - Purchase Locally.)	
	70000619	1	Card, Circuit - Control	
31	0962520	1	Harness, Control Box (Internal)	
32		1	Bushing, Split Taper	
	2460050		Generator Assembly Options:	
	2460041		Caterpillar Engine	
	2460048		Deutz Engine (Prior to SN 0300075305)	
	70001100	1	Deutz Engine (SN 0300075305 to SN 0300140000)	
	70001384	1	Rotor (Includes P/N 70001384 & 70000863) (Not Shown)	
	70000863	1	Bearing, Ball Radial (Not Shown)	
		1	Fan (Not Shown)	
	70001969		Stator Options (Not Shown):	
	70002088		2460050 Generator	
	70002297	1	2460048 Generator	
	7024484	1	Stud (Not Shown)	
32A	Use 70004171	1	Brushholder Assembly (Not Shown)	
32B	70001966	1	Key (was p/n 7024561)	
	70003708	1	Bearing, Ball Redial (Located in Belt Tensioner Endbell)	
	70003709	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
32C	70001953	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
32D		1	Endbell, Belt Tensioner	
	Use 70004170		Endbell, Brush Block Options (was p/n 70001385):	
	Use 70004169		Caterpillar Engine Machines	
32E		1	Deutz Engine Machines	
	Use 70004170		Shroud Assy Endbell (Rear) Options:	
	Use 70004169		Caterpillar Engine (was p/ns 70001970 & 70001971)	
	7027799	1	Deutz Engine (was p/n 70002290)	
	70002460	6	Block, Connection - 6 Position (Not Shown)	
	7024485	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
	70001696	1	Breaker, Circuit 30Amp (Not Shown)	
	7026626	1	Boot, Breaker (Not Shown)	
	7026597	1	Connector, 6 Position (Includes Seal) (Not Shown - Plugs into Item 46)	
			Connector, W/Lead (Not Shown)	

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
32E cont'd	7026188	1	Connector, Clamp (Not Shown)	
		1	Panel, End Options (Not Shown):	
	Use 70004170		Caterpillar Engine (was p/n 70001972)	
	Use 70004169		Deutz Engine (was p/n 70002255)	
	70001974	1	Decal - Terminal Connections (Not Shown)	
32F	70001973	1	Decal - Warning Moving Parts	
33	0100019	AR	Compound, Locking	
34	4460051	1	Connector, Strain Relief	
35	4460071	1	Connector, Strain Relief	
36	0480129	1	Belt, Drive	
37	3311405	1	Locknut 1/4in-20NC (Caterpillar Engine Only)	
38	3580317	1	Tensioner, Belt	
39	3580318	1	Pulley	
40		1	Pulley Options:	
	3580321		Caterpillar Engine	
	3580320		Deutz Engine	
41	2820031	1	Insulator	
42	3740080	2	Relay	
43		1	Bolt 3/8in-16NC x 2-1/4in Options:	
	3931632		Caterpillar Engine (Socket Head Capscrew) (Prior to SN 0300096485)	
	0641618		Caterpillar Engine (Hex Head Bolt) (SN 0300096485 to SN 0300140000)	
	0641618		Deutz Engine (Hex Head Bolt)	
44	4791400	AR	Starwasher 1/4in	
45	4811900	4	Flatwasher M8 (Caterpillar Engine Only)	
46	4922925	1	Harness, Generator	
47	4711600	1	Flatwasher 3/8in Thin	
48	3311405	4	Locknut 1/4in-20NC (Deutz Engine Only)	
49		1	Bolt Options (Deutz Engine Only):	
	0641403		Bolt 1/4in-20NC x 3/8in (Prior to SN 0300108684)	
	0641404		Bolt 1/4in-20NC x 1/2in (SN 0300108684 to SN 0300140000)	
50		1	Shield Options:	
	Not Required		Caterpillar Engine	
	4061049		Deutz Engine	
51	4751400	2	Flatwasher 1/4in Regular (Deutz Engine Only)	
52	4300157	1	Stud (Deutz Engine Only)	
53	3311801	1	Nut 1/2in-13NC (Deutz Engine Only)	
54	0100062	1	Loctite (Deutz Engine Only)	
55	0771415	1	Bolt (Metric) M14 x 35mm - Deutz Engine Only (SN 0300095345 to SN 0300140000)	
56	4460315	4	Terminal (Deutz Engine Only) (SN 0300108684 to SN 0300140000)	
57	0100020	AR	Pipe Sealant (Deutz Engine Only) (Not Shown) (SN 0300108684 to SN 0300140000)	

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0861542	Ref	JUNCTION BOX ASSEMBLY	D
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	Not Used			
109	3910610	2	Bolt #6-32NC x 5/8in	
110	4360070	1	Circuit Breaker - 15 Amp	
111 to 115	Not Used			
116	4460425	2	Strain Relief, Terminal	
117	4460426	2	Connector, Strain Relief	
118 to 120	Not Used			
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	Not Used			
128		1	Terminal Block Assembly Options (See Items 501-510 for Breakdown):	
	NPN		Gray Terminal Block Assembly	
	1001121340		Tan Terminal Block Assembly	
	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	
		Ref	ELECTRICAL DIAGRAM COMPONENTS OPTIONS:	
	4933264	Ref	Prior to SN 0300139080	C
	1001112586	Ref	SN 0300139080 to SN 0300140000	A
301	4922757	1	Generator Harness (Prior to SN 0300139080)	3/C
	1001112587	1	Generator Harness (SN 0300139080 to SN 0300140000)	A
301A	4460374	2	Plug, Sealed Relay	
	4460375	7	Terminal	
301B	4460967	1	Plug, Male - 3 Position	
	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 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001094475	Ref	HOURLMETER INSTALLATION (OPTIONAL)	B
401	Not Used			
402	0720808	1	Screw #8-32 x 1in	
403	2420165	1	Hourmeter	
404	3310601	2	Nut #6-32	
405	3310805	1	Locknut #8-32	
406	3910608	2	Screw #6-32 x 1/2in	
407	4240032	4	Strap, Tie	
408	4420060	3in/7cm	Tape, Double-Sided	
409	4460234	3	Mount, Tie Strap	
410	4750800	1	Flatwasher #8 Regular	
411	4760600	2	Lockwasher #6	
412	1001094375	1	Bracket, Hourmeter	
413	1001094509	1	Harness, Hourmeter	
414	4460018	1	Connector, Butt Splice (Not Shown)	
		Ref	TERMINAL BLOCK ASSEMBLY	
	NPN	Ref	Gray Terminal Block Assembly (Complete Assembly Not Available - Purchase Individual Components)	
	1001121340	Ref	Tan Terminal Block Assembly	A
501		2	Marker Strip #1 Options:	
	4460411		Gray Terminal Block Assembly	
	70002818		Tan Terminal Block Assembly	
502		4	Marker Strip #2 Options:	
	4460412		Gray Terminal Block Assembly	
	70002819		Tan Terminal Block Assembly	
503		2	Marker Strip #3 Options:	
	4460413		Gray Terminal Block Assembly	
	70002820		Tan Terminal Block Assembly	
504		2	Marker Strip #4 Options:	
	4460414		Gray Terminal Block Assembly	
	70002821		Tan Terminal Block Assembly	
505		4	Marker Strip #5 Options:	
	4460415		Gray Terminal Block Assembly	
	70002822		Tan Terminal Block Assembly	
506		1	Terminal, End Barrier Options:	
	4460956		Gray Terminal Block Assembly	
	70002823		Tan Terminal Block Assembly	
507		2	Terminal, End Block Options:	
	4460607		Gray Terminal Block Assembly	
	70002824		Tan Terminal Block Assembly	
508		7	Terminal, Block Options:	
	4460957		Gray Terminal Block Assembly	
	70002825		Tan Terminal Block Assembly	
509		2	Terminal, Cross Connector Jumper Options:	
	4461001		Gray Terminal Block Assembly	
	70002826		Tan Terminal Block Assembly	

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
510	3640986 3641533	1	Rail, Relay Options: Prior to SN 0300072911 SN 0300072911 to SN 0300140000	

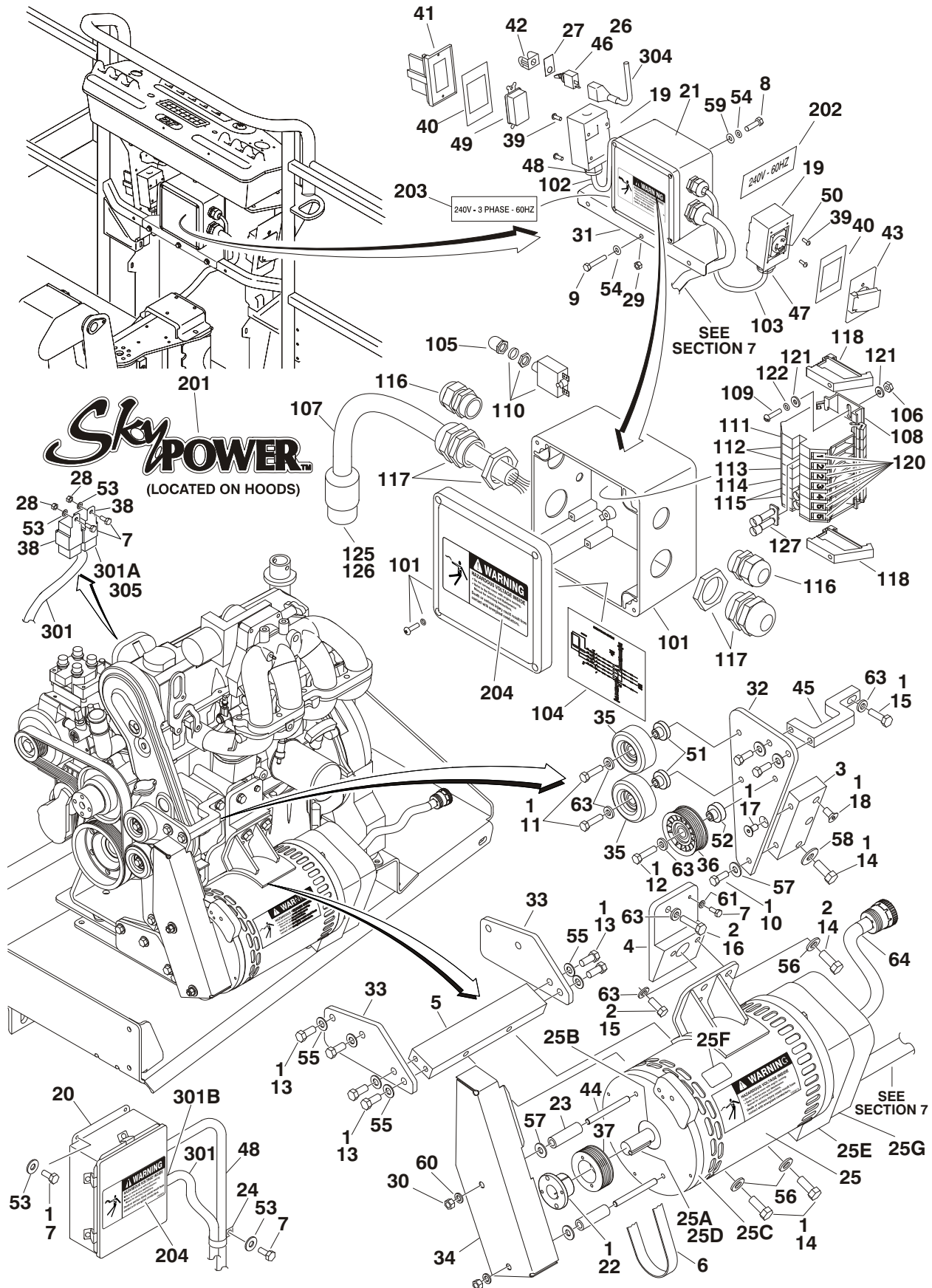
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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR & DEUTZ ENGINES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES



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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0272817	Ref	7500W SKYPOWER GENERATOR INSTALLATION	F
		Ref	Note: SkyPower Generator is Standard On ANSI & CSA Specs. Optional on All Other Specs.	
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	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	8	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 (Includes Harness)	
	70000619	1	Harness, Control Box (Internal)	
21	0861542	1	Junction Box Assembly (See Items 101-127 for Breakdown)	
22	0962520	1	Bushing, Split Taper	
23	0962521	2	Spacer, Tube	
24	1320224	1	Clamp	
25	2460048	1	Generator Assembly	
	7024484	1	Brushholder Assembly (Not Shown)	
	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)	
	Use 70004169	1	Panel, End (Not Shown) (was p/n 70002255)	
	70002088	1	Stator (Not Shown)	
	70001974	1	Decal - Terminal Connections (Not Shown)	
	70000863	1	Fan (Not Shown)	
	70002297	4	Stud (Not Shown)	
25A	Use 70004171	1	Key (was p/n 7024561)	
25B	70001966	1	Bearing, Shaft (Front)	

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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25C	70001953	1	Endbell (Front)	
25D	70001100	1	Shaft/Rotor/Windings/Fan/Rear Bearing Assembly	
	70001384	1	Bearing, Shaft (Rear)	
25E	Use 70004169	1	Endbell, Brush Block (was p/n 70001385)	
25F	70001973	1	Decal - Warning Moving Parts	
25G	Use 70004169	1	Shroud Assy Endbell (Rear) (was p/n 70002290)	
26	2820031	1	Insulator	
27	3252764	1	Nameplate	
28	3311405	6	Locknut 1/4in-20NC	
29	3311505	3	Locknut 5/16in-18NC	
30	3311601	2	Nut 3/8in-16NC	
31	0902888	1	Bracket, Box Mounting	
32	3574225	1	Plate, Pulley Mounting	
33	3574229	2	Plate, Gusset Generator Mounting	
34	3574262	1	Plate, Shield	
35	3580312	2	Pulley, Idler	
36	3580313	1	Pulley, Idler Grooved	
37	3580314	1	Pulley, Drive Grooved	
38	3740080	2	Relay	
39	3910606	8	Screw #6-32NC x 3/8in	
40	3960422	2	Gasket	
41	4060700	1	Cover, Receptacle	
42	4060802	1	Guard, Switch	
43	4061043	1	Cover, Receptacle	
44	4300111	2	Stud, Chain Assembly	
45	4340738	1	Support, Idler Pulley Mount	
46	4360336	1	Switch, Toggle	
47	4460051	1	Connector, Strain Relief	
48	4460071	1	Connector, Strain Relief	
49	4460346	1	Receptacle	
50	4460958	1	Receptacle, Female Twist-Lock	
51	4568734	2	Tube, Spacer Pulley	
52	4568735	1	Tube, Spacer Pulley Grooved	
53	4711400	11	Flatwasher 1/4in Thin	
54	4711500	10	Flatwasher 5/16in Thin	
55	4711700	8	Flatwasher 7/16in Thin	
56	4711800	4	Flatwasher 1/2in Thin	
57	4751600	5	Flatwasher 3/8in Regular	
58	4751800	1	Flatwasher 1/2in Regular	
59	4761500	4	Flatwasher 5/16in Regular	
60	4761600	2	Flatwasher 3/8in Regular	
61	4791400	1	Starwasher 1/4in	
62	Not Used			
63	4891600	6	Flatwasher 3/8in Hardened	
64	4922925	1	Harness, Generator	

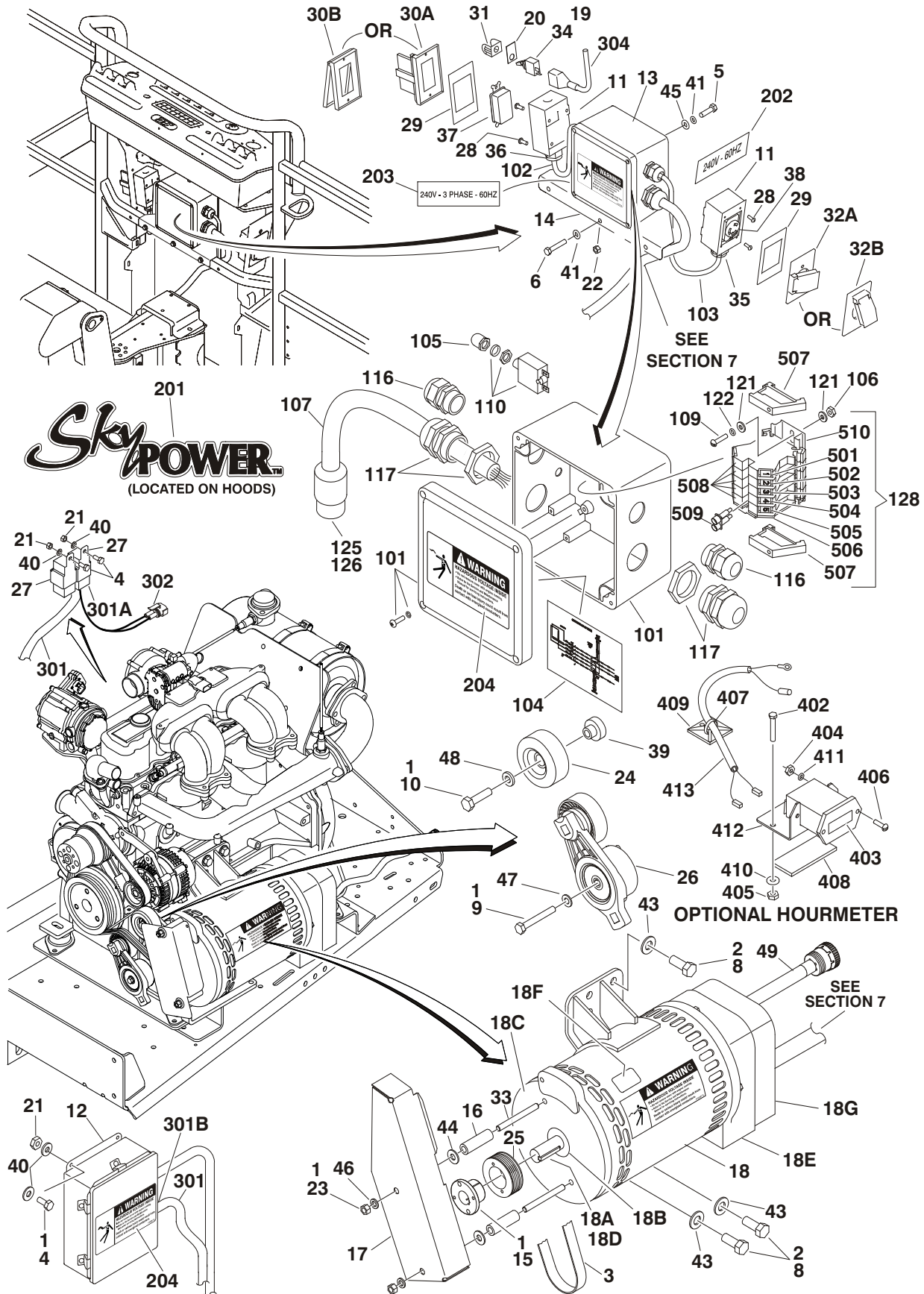
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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES

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	3641533	1	Rail, Relay	
109	3910610	2	Bolt #6-32NC x 5/8in	
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	Cross Connector - 2 Position	
	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	1/A
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	
305	4460375	1	Terminal	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM ENGINES



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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0275257	Ref	7500W SKYPOWER GENERATOR INSTALLATION	E
		Ref	Note: SkyPower Generator is Standard On ANSI & CSA Specs. Optional on All Other Specs.	
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Installation.	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0480142	1	Belt, Generator	
4	0641405	6	Bolt 1/4in-20NC x 5/8in	
5	0641505	4	Bolt 5/16in-18NC x 5/8in	
6	0641516	3	Bolt 5/16in-18NC x 2in	
7	0641608	1	Bolt 3/8in-16NC x 1in (SN 0300087000 to SN 0300094705)	
8		4	Bolt Options:	
	0641810		Bolt 1/2in-13NC x 1-1/4in (SN 0300087000 to SN 0300094705)	
	0641808		Bolt 1/2in-13NC x 1in (SN 0300094705 to SN 0300140000)	
9	0700820	1	Bolt M8 x 60mm	
10	0701016	1	Bolt M10 x 40mm	
11	0860038	2	Box, Switch	
12	0861538	1	Control Box Assembly	
	7024488	1	Card, Circuit - Generator Power	
	See Note	1	Fuse (Note: Not Available - Purchase Locally.)	
	7024489	1	Card, Circuit - Control	
	70000619	1	Harness, Control Box (Internal)	
13	0861542	1	Junction Box Assembly (See Items 101-128 for Breakdown)	
14	0902888	1	Bracket, Box Mounting	
15	0962520	1	Bushing, Split Taper	
16	0962521	2	Spacer, Tube	
17	1671311	1	Cover, Generator Belt	
18	2460048	1	Generator Assembly	
	7024484	1	Brushholder Assembly (Not Shown)	
	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)	
	Use 70004169	1	Panel, End (Not Shown) (was p/n 70002255)	
	70002088	1	Stator (Not Shown)	
	70001974	1	Decal - Terminal Connections (Not Shown)	
	70000863	1	Fan (Not Shown)	
	70002297	4	Stud (Not Shown)	
18A	Use 70004171	1	Key (was p/n 7024561)	
18B	70001966	1	Bearing, Shaft (Front)	
18C	70001953	1	Endbell (Front)	
18D	70001100	1	Shaft/Rotor/Windings/Fan/Rear Bearing Assembly	
	70001384	1	Bearing, Shaft (Rear)	
18E	Use 70004169	1	Endbell, Brush Block (was p/n 70001385)	
18F	70001973	1	Decal - Warning Moving Parts	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
18G	Use 70004169	1	Shroud Assy Endbell (Rear) (was p/n 70002290)	D
19	2820031	1	Insulator	
20	3252764	1	Nameplate	
21	3311405	6	Locknut 1/4in-20NC	
22	3311505	3	Locknut 5/16in-18NC	
23	3311601	2	Nut 3/8in-16NC	
24	3580312	2	Pulley, Idler	
25	3580314	1	Pulley, Drive Grooved	
26	3580348	1	Pulley, Belt Tensioner	
27	3740080	2	Relay	
28	3910606	8	Screw #6-32NC x 3/8in	
29	3960422	2	Gasket	
30		1	Cover, Receptacle Options:	
30A	4060700		Cover, Side Hinged (Prior to SN 0300138287)	
30B	1001110873		Cover, Top Hinged (SN 0300138287 to SN 0300140000)	
31	4060802	1	Guard, Switch	
32		1	Cover, Receptacle Options:	
32A	4061043		Cover, Side Hinged (Prior to SN 0300138287)	
32B	1001110872		Cover, Top Hinged (SN 0300138287 to SN 0300140000)	
33	4300111	2	Stud, Chain Assembly	
34	4360336	1	Switch, Toggle	
35	4460051	1	Connector, Strain Relief	
36	4460071	1	Connector, Strain Relief	
37	4460346	1	Receptacle	
38	4460958	1	Receptacle, Female Twist-Lock	
39	4568735	1	Tube, Spacer Pulley Grooved	
40	4711400	10	Flatwasher 1/4in Thin	
41	4711500	10	Flatwasher 5/16in Thin	
42	4711600	1	Flatwasher 3/8in Thin (SN 0300087000 to SN 0300094705)	
43	4711800	4	Flatwasher 1/2in Thin	
44	4751600	2	Flatwasher 3/8in Regular	
45	4761500	4	Lockwasher 5/16in	
46	4761600	2	Lockwasher 3/8in	
47	4811900	1	Flatwasher 8mm	
48	4891600	1	Flatwasher 3/8in Hardened	
49	4922925	1	Harness, Generator	
	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	Not Used			
109	3910610	2	Bolt #6-32NC x 5/8in	
110	4360070	1	Circuit Breaker - 15 Amp	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
111 to 115	Not Used			
116	4460425	2	Strain Relief, Terminal	
117	4460426	2	Connector, Strain Relief	
118 to 120	Not Used			
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	Not Used			
128		1	Terminal Block Assembly Options (See Items 501-510 for Breakdown):	
	NPN		Gray Terminal Block Assembly	
	1001121340		Tan Terminal Block Assembly	
	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	
	4933349	Ref	ELECTRICAL DIAGRAM COMPONENTS	A
301	4923420	1	Generator Harness	A
301A	4460374	2	Plug, Sealed Relay	
	4460375	8	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	4460742	1	Connector - 2 Position	
	4460743	2	Socket, Female	
	4460458	2	Seal	
303	Not Used			
304	4922641	1	Switch Harness	
	1001094475	Ref	HOURLY METER INSTALLATION (OPTIONAL)	B
401	Not Used			
402	0720808	1	Screw #8-32 x 1in	
403	2420165	1	Hourmeter	
404	3310601	2	Nut #6-32	
405	3310805	1	Locknut #8-32	
406	3910608	2	Screw #6-32 x 1/2in	
407	4240032	4	Strap, Tie	
408	4420060	3in/7cm	Tape, Double-Sided	
409	4460234	3	Mount, Tie Strap	
410	4750800	1	Flatwasher #8 Regular	
411	4760600	2	Lockwasher #6	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM ENGINES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
412	1001094375	1	Bracket, Hourmeter	A
413	1001094509	1	Harness, Hourmeter	
414	4460018	1	Connector, Butt Splice (Not Shown)	
		Ref	TERMINAL BLOCK ASSEMBLY	
	NPN	Ref	Gray Terminal Block Assembly (Complete Assembly Not Available - Purchase Individual Components)	
	1001121340	Ref	Tan Terminal Block Assembly	
501		2	Marker Strip #1 Options:	
	4460411		Gray Terminal Block Assembly	
	70002818		Tan Terminal Block Assembly	
502		4	Marker Strip #2 Options:	
	4460412		Gray Terminal Block Assembly	
	70002819		Tan Terminal Block Assembly	
503		2	Marker Strip #3 Options:	
	4460413		Gray Terminal Block Assembly	
	70002820		Tan Terminal Block Assembly	
504		2	Marker Strip #4 Options:	
	4460414		Gray Terminal Block Assembly	
	70002821		Tan Terminal Block Assembly	
505		4	Marker Strip #5 Options:	
	4460415		Gray Terminal Block Assembly	
	70002822		Tan Terminal Block Assembly	
506		1	Terminal, End Barrier Options:	
	4460956		Gray Terminal Block Assembly	
	70002823		Tan Terminal Block Assembly	
507		2	Terminal, End Block Options:	
	4460607		Gray Terminal Block Assembly	
	70002824		Tan Terminal Block Assembly	
508		7	Terminal, Block Options:	
	4460957		Gray Terminal Block Assembly	
	70002825		Tan Terminal Block Assembly	
509		2	Terminal, Cross Connector Jumper Options:	
	4461001		Gray Terminal Block Assembly	
	70002826		Tan Terminal Block Assembly	
510	3641533	1	Rail, Relay	

SECTION 3

BOOM

SECTION 3 BOOM

FIGURE 3-1. TOWER BOOM, UPRIGHT AND CYLINDERS INSTALLATION

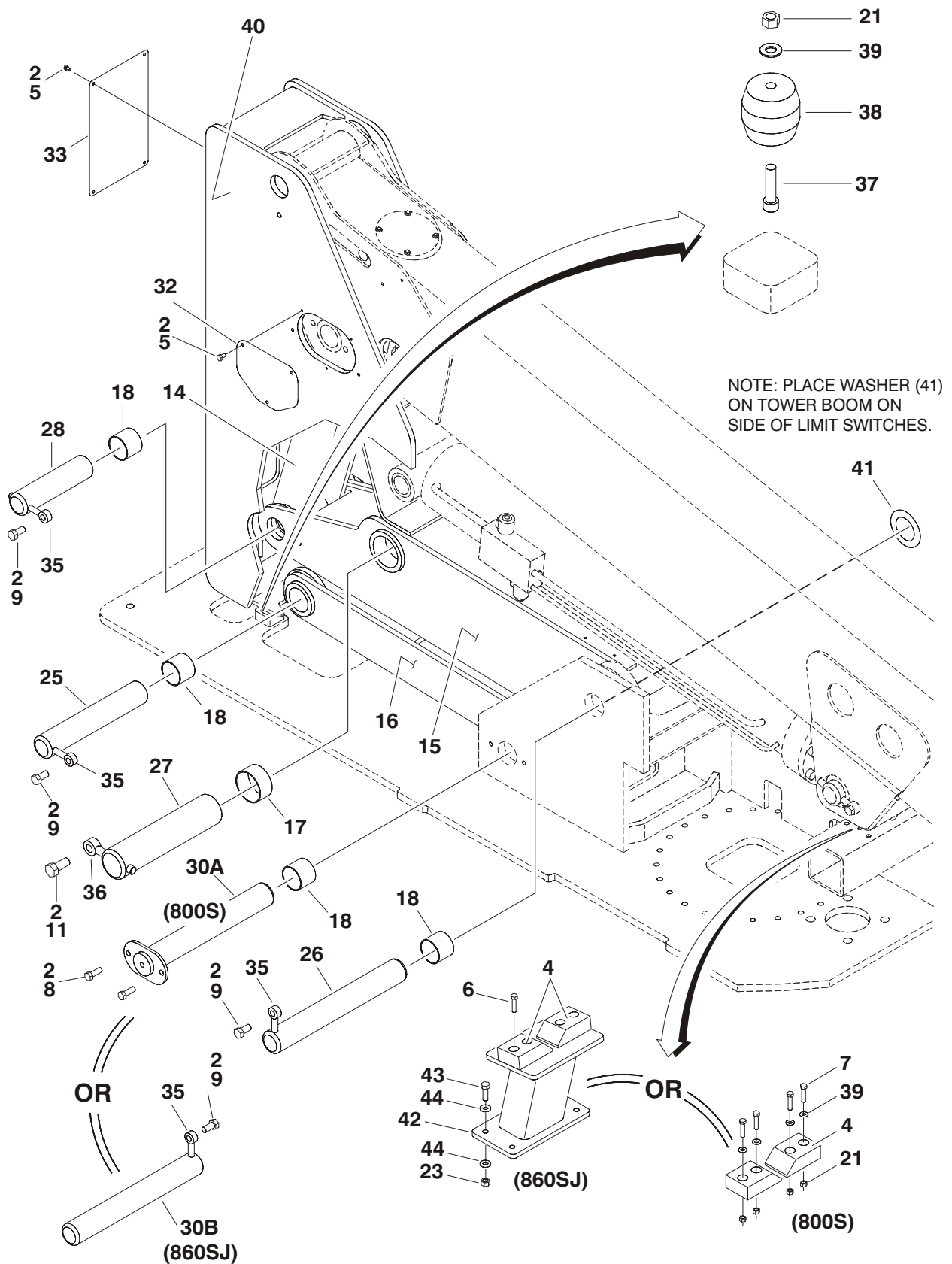


FIGURE 3-1. TOWER BOOM, UPRIGHT AND CYLINDERS INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TOWER BOOM, UPRIGHT & CYLINDERS INSTALLATIONS	
	0270876	Ref	800S	J
	0270877	Ref	860SJ	I
1	Not Used			
2	0100011	AR	Compound, Locking	
3	Not Used			
4	0561380	1	Block, Boom Rest	
5	0641504	10	Bolt 5/16in-18NC x 5/8in	
6	0641612	4	Bolt 3/8in-16NC x 1-1/2in (860SJ Only)	
7	0641613	4	Bolt 3/8in-16NC x 1-1/2in (800S Only)	
8	0642014	AR	Bolt 5/8in-11NC x 1-3/4in	
9	0642212	AR	Bolt 3/4in-10NC x 1-1/2in	
10	Not Used			
11	0642618	1	Bolt 1in-8NC x 2-1/4in	
12 to 13	Not Used			
14		1	Power Link Weldment Options:	
	Use 1001117804	1	800S (was p/n 0801278 & 1001096719) (Includes Qty. 4 of item 18.)	
	Use 1001117805		860SJ (was p/n 0801310 & 1001096721) (Includes Qty. 4 of item 18.)	
15		1	Tower Weldment Options:	
	0801279		800S	
	0801306		860SJ	
16		1	Link (Tower) Weldment Options:	
	0801280		800S	
	0801307		860SJ	
17	0962122	2	Bushing	
18	0962297	10	Bushing	
19 to 20	Not Used			
21	3311605	6	Locknut 3/8in-16NC	
22	Not Used			
23	3311805	4	Locknut 1/2in-13NC (860SJ Only)	
24	Not Used			
25	3422908	1	Pin	
26	3422909	1	Pin	
27	3422910	1	Pin	
28	3422920	1	Pin	
29	Not Used			
30		1	Pin Options:	
30A	3422930		800S	
30B	3422909		860SJ	
31	Not Used			
32	3573049	2	Cover, Upright Side	
33	3573050	1	Cover, Upright Rear	
34	Not Used			
35	3841287	AR	Keeper, Pin	
36	3841356	1	Keeper, Pin	
37	3931624	2	Capscrew, Socket Head 3/8in-16NC x 1-1/2in	

SECTION 3 BOOM

FIGURE 3-1. TOWER BOOM, UPRIGHT AND CYLINDERS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
38	4160187	2	Spring, Rubber	
39	4711600	AR	Flatwasher 3/8in Thin	
40	Use 1001157180	1	Upright (was p/n 4846355)	
41	4740492	1	Thrustwasher	
42	4846427	1	Rest, Boom (860SJ Only)	
43	0641812	4	Bolt 1/2in-13NC x 1-1/2in (860SJ Only)	
44	4711800	8	Flatwasher 1/2in Thin (860SJ Only)	

FIGURE 3-1. TOWER BOOM, UPRIGHT AND CYLINDERS INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 3-2. MAIN BOOM INSTALLATION - 800S

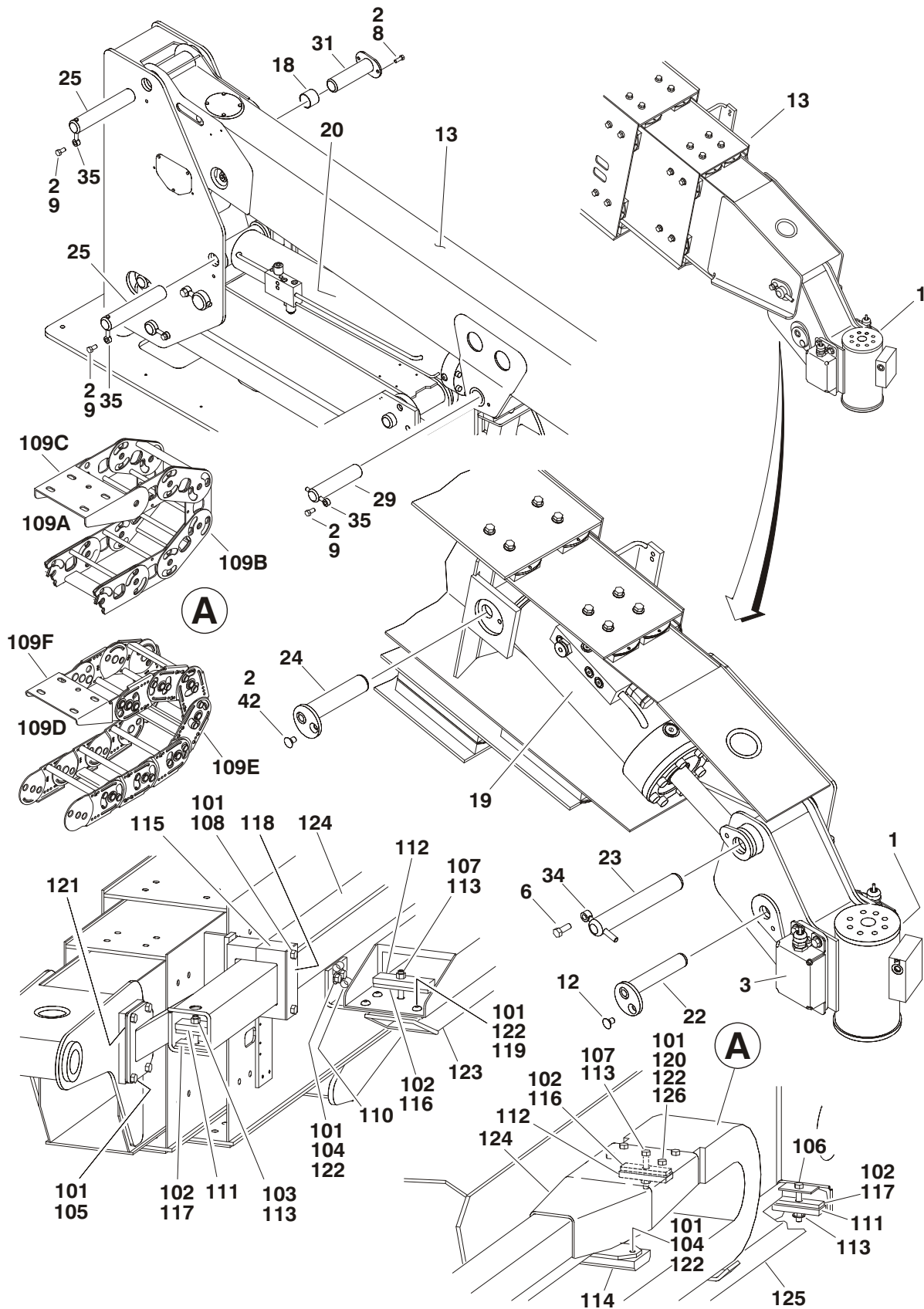


FIGURE 3-2. MAIN BOOM INSTALLATION - 800S

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270876	Ref	BOOM AND CYLINDERS INSTALLATION	J
1	0060061	1	Rotator Assembly (See ROTATOR ASSEMBLY for Breakdown)	
2	0100011	AR	Compound, Locking	
3		1	Platform Level Sensor Switch Assembly Options (See PLATFORM SUPPORT & CONTROL VALVES INSTALLATION for Breakdown):	
	0271381		Prior to SN 0300075873	
	0273695		SN 0300075873 to SN 0300140000	
4 to 5	Not Used			
6	0641608	1	Bolt 3/8in-16NC x 1in	
7	Not Used			
8	0642014	2	Bolt 5/8in-11NC x 1-3/4in	
9	0642212	3	Bolt 3/4in-10NC x 1-1/2in	
10 to 11	Not Used			
12	0741605	1	Bolt 3/8in-16NC x 5/8in	
13	0801274	1	Main Boom Assembly (See MAIN BOOM ASSEMBLY for Breakdown)	
14 to 17	Not Used			
18	0962297	2	Bushing	
19	1684189	1	Platform Level Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
20		1	Main Lift Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
	1684042		Prior to SN 0300066889	
	1684199		SN 0300066889 to SN 0300140000	
21	Not Used			
22	3422580	1	Pin	
23	3422562	1	Pin	
24	3422569	1	Pin	
25	3422908	2	Pin	
26 to 28	Not Used			
29	3422922	1	Pin	
30	Not Used			
31	3422931	1	Pin	
32 to 33	Not Used			
34	3841143	1	Keeper, Pin	
35	3841287	3	Keeper, Pin	
36 to 41	Not Used			
42		1	Bolt Options:	
	0741605		Bolt 3/8in-16NC x 5/8in (Prior to SN 0300129790)	
	3900192		Screw 3/8in-16NC x 1/2in (SN 0300129790 to SN 0300140000)	

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FIGURE 3-2. MAIN BOOM INSTALLATION - 800S (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	POWER TRACK INSTALLATION	
		Ref	Note: These SN's also use the 0271254 Installation: SN's 0300065567,0300065568,0300065582,0300065595,0300065596,0300065614,0300065615,0300065617,0300065624,0300065625,0300065628, & 0300065635	
	0271254	Ref	Prior to SN 0300065541	D
	0271990	Ref	SN 0300065541 to SN 0300140000	C
101	0100011	AR	Compound, Locking	
102	0100081	AR	Adhesive	
103	0630539	1	Bolt 3/8in-16NC x 3-1/2in	
104	0641606	12	Bolt 3/8in-16NC x 3/4in	
105	0641608	4	Bolt 3/8in-16NC x 1in	
106	0641620	1	Bolt 3/8in-16NC x 2-1/2in	
107	0641622	2	Bolt 3/8in-16NC x 2-3/4in	
108	0641652	2	Bolt 3/8in-16NC x 6-1/2in	
109		1	Power Track Assembly Options: (Original Equipment)	
		Ref	Note: Original Equipment Power Track may have been replaced with a Service Replacement. Visually identify the power track before ordering parts.	
109A	Use 1001131731 Use 1001131731		Prior to SN 0300065541 (See Note) (was p/n 1180373) SN 0300065541 to SN 0300140000 (See Note) (was p/n 1180375)	
109B	7024369	AR	Repair Section for 1180373 & 1180375 (Includes Inner & Outer Links, Joining Bars & Rollers & Assembling Hardware)	
109C	7024370	1	Mounting Feet for 1180373 & 1180375 (Includes Mounting Brackets for Both Ends, 1 Roller Assembly & Assembling Hardware)	
109D	1001131731		Power Track Assembly (Service Replacement)	
109E	70003921	AR	Repair Section for 1001131731 (Includes 1 Pin Assembly for each end)	
109F	70003922	1	Mounting Feet for 1001131731 (Includes Both Pair of Feet)	
110	1320263	2	Clamp, Cable	
111	1320289	2	Clamp, Hose	
112	1320294	2	Bar, Clamping	
113	3311605	4	Locknut 3/8in-16NC	
114	3340787	1	Pad, Wear	
115	3340936	2	Pad, Push Tube	
116	3340942	2	Pad, Rubber	
117	3340943	4	Pad, Rubber	
118	3573418	1	Plate, Backing	
119	3900283	4	Screw, Button Head 3/8in-16NC x 3/4in	
120	3900316	4	Screw, Button Head 3/8in-16NC x 1in	
121	4070969	2	Shim	
122	4711600	20	Flatwasher 3/8in Thin	
123		2	Support, Push Tube Options:	
	Not Required		Prior to SN 0300065541 (See Note)	
	4846553		SN 0300065541 to SN 0300140000 (See Note)	

FIGURE 3-2. MAIN BOOM INSTALLATION - 800S (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
124	4846402 4846554	1	Tube, Push Options: Prior to SN 0300065541 (See Note) SN 0300065541 to SN 0300140000 (See Note)	
125	4846403 4846558	1	Support, Track Options: Prior to SN 0300065541 (See Note) SN 0300065541 to SN 0300140000 (See Note)	
126	3311608	4	Locknut 3/8in-16NC	

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FIGURE 3-3. MAIN BOOM INSTALLATION - 860SJ

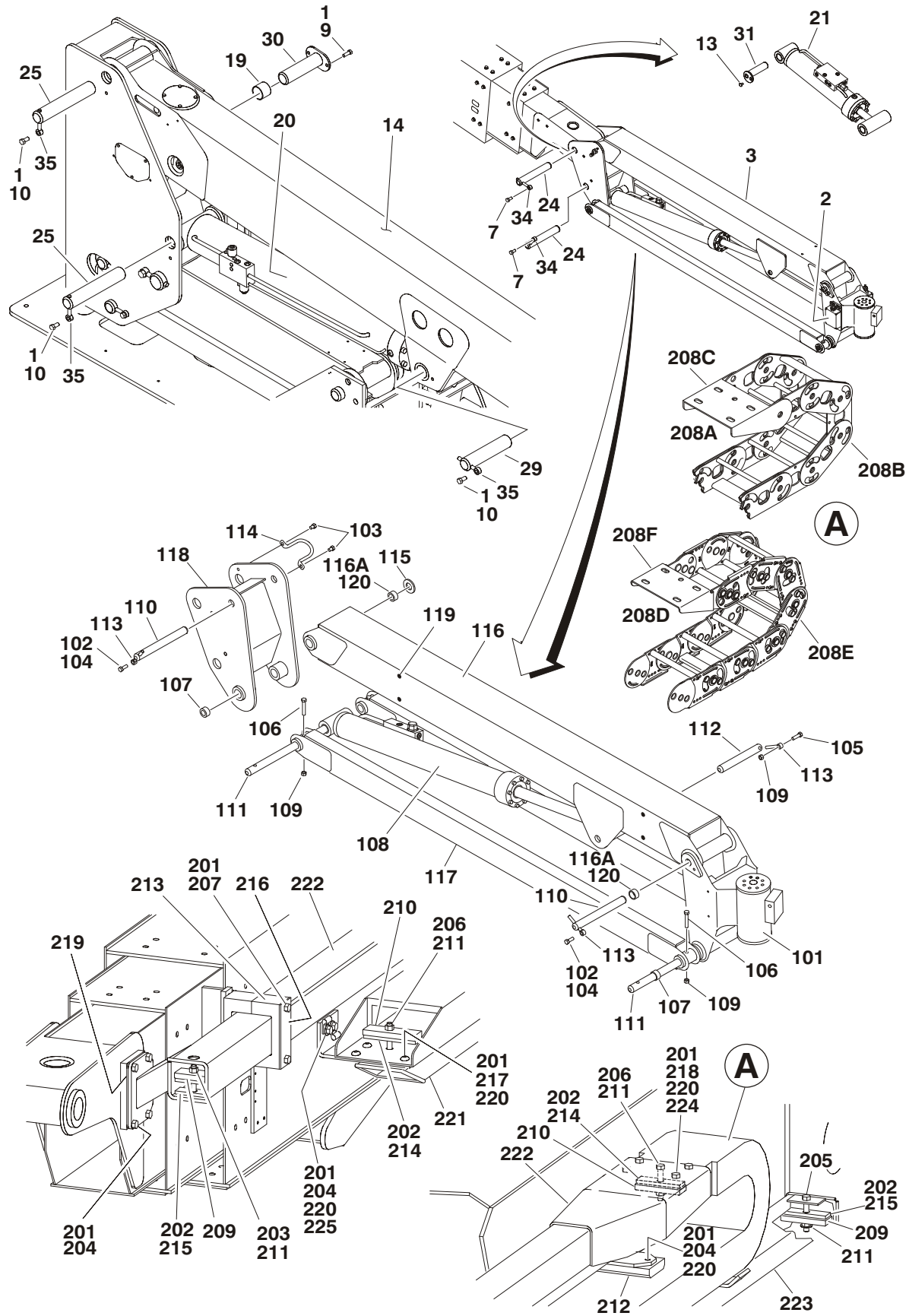


FIGURE 3-3. MAIN BOOM INSTALLATION - 860SJ

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270877	Ref	BOOM AND CYLINDERS INSTALLATION	I
1	0100011	AR	Compound, Locking	
2		1	Platform Level Sensor Switch Assembly Options (See PLATFORM SUPPORT & CONTROL VALVES INSTALLATION for Breakdown):	
	0271381		Prior to SN 0300075873	
	0273695		SN 0300075873 to SN 0300140000	
3	0271444	1	Jib Assembly (See Items 101 to 120 for Breakdown)	
4 to 6	Not Used			
7	0641808	2	Bolt 1/2in-13NC x 1in	
8	Not Used			
9	0642014	2	Bolt 5/8in-11NC x 1-3/4in	
10	0642212	3	Bolt 3/4in-10NC x 1-1/2in	
11 to 12	Not Used			
13		1	Bolt Options:	
	0741605		Bolt 3/8in-16NC x 5/8in (Prior to SN 0300129790)	
	3900192		Screw 3/8in-16NC x 1/2in (SN 0300129790 to SN 0300140000)	
14	0801281	1	Main Boom Assembly (See MAIN BOOM ASSEMBLY for Breakdown)	
15 to 18	Not Used			
19	0962297	2	Bushing	
20		1	Main Lift Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
	1684124		Prior to SN 0300066889	
	1684202		SN 0300066889 to SN 0300140000	
21	1684136	1	Platform Level Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
22 to 23	Not Used			
24	3422793	2	Pin	
25	3422908	2	Pin	
26 to 28	Not Used			
29	3422922	1	Pin	
30	3422931	1	Pin	
31	3422932	1	Pin	
32 to 33	Not Used			
34	3841203	3	Keeper, Pin	
35	3841287	3	Keeper, Pin	
	0271444	Ref	JIB ASSEMBLY	F
101	0060048	1	Rotator Assembly (See ROTATOR ASSEMBLY for Breakdown)	
102	0100011	AR	Compound, Locking	
103	0641604	2	Bolt 3/8in-16NC x 1/2in	
104	0641608	2	Bolt 3/8in-16NC x 1in	
105	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
106	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
107	0961947	AR	Bushing	

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FIGURE 3-3. MAIN BOOM INSTALLATION - 860SJ (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
108	1683609	1	Jib Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
109	3311605	5	Locknut 3/8in-16NC	
110	3422860	2	Pin	
111	3422861	2	Pin	
112	3422867	1	Pin	
113	3841143	3	Keeper, Pin	
114	3841340	1	Loop, Hose	
115	4740439	2	Thrustwasher	
116	4844816	1	Link, Jib (Upper)	
116A	0962335	4	Bushing (SN 0300096971 to SN 0300140000)	
117	4844817	2	Link, Jib (Lower)	
118	4846435	1	Pivot, Jib	
119	3520034	4	Plug, Hole	
120	0962335	4	Bushing (Prior to SN 0300096971)	
		Ref	POWER TRACK INSTALLATION	
		Ref	Note: These SN's also use the 0271255 Installation: SN's 0300065567,0300065568,0300065582,0300065595,0300065596,0300065614,0300065615,0300065617,0300065624,0300065625,0300065628, & 0300065635	
	0271255	Ref	Prior to SN 0300065541	D
	0271991	Ref	SN 0300065541 to SN 0300140000	D
201	0100011	AR	Compound, Locking	
202	0100081	AR	Adhesive	
203	0630539	1	Bolt 3/8in-16NC x 3-1/2in	
204	0641606	16	Bolt 3/8in-16NC x 3/4in	
205	0641620	1	Bolt 3/8in-16NC x 2-1/2in	
206	0641622	2	Bolt 3/8in-16NC x 2-3/4in	
207	0641652	2	Bolt 3/8in-16NC x 6-1/2in	
208		1	Power Track Assembly Options: (Original Equipment)	
		Ref	Note: Original Equipment Power Track may have been replaced with a Service Replacement. Visually identify the power track before ordering parts.	
208A	Use 1001131731 Use 1001131731		Prior to SN 0300065541 (See Note) (was p/n 1180373) SN 03000065541 to SN 0300140000 (See Note) (was p/n 1180375)	
208B	7024369	AR	Repair Section for 1180373 & 1180375 (Includes Inner & Outer Links, Joining Bars & Rollers & Assembling Hardware)	
208C	7024370	1	Mounting Feet for 1180373 & 1180375 (Includes Mounting Brackets for Both Ends, 1 Roller Assembly & Assembling Hardware)	
208D	1001131731		Power Track Assembly (Service Replacement)	
208E	70003921	AR	Repair Section for 1001131731 (Includes 1 Pin Assembly for each end)	
208F	70003922	1	Mounting Feet for 1001131731 (Includes Both Pair of Feet)	
209	1320289	2	Clamp, Hose	
210	1320294	2	Bar, Clamping	

FIGURE 3-3. MAIN BOOM INSTALLATION - 860SJ (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
211	3311605	4	Locknut 3/8in-16NC	
212	3340787	1	Pad, Wear	
213	3340936	2	Pad, Push Tube	
214	3340942	2	Pad, Rubber	
215	3340943	4	Pad, Rubber	
216	3573418	1	Plate, Backing	
217	3900283	4	Screw, Button Head 3/8in-16NC x 3/4in	
218	3900316	4	Screw, Button Head 3/8in-16NC x 1in	
219	4070969	2	Shim	
220	4711600	20	Flatwasher 3/8in Thin	
221		1	Support, Push Tube Options:	
	Not Required		Prior to SN 0300065541 (See Note)	
	4846553		SN 0300065541 to SN 0300140000 (See Note)	
222		1	Tube, Push Options:	
	4846420		Prior to SN 0300065541 (See Note)	
	4846555		SN 0300065541 to SN 0300140000 (See Note)	
223		1	Support, Track Options:	
	4846421		Prior to SN 0300065541 (See Note)	
	4846558		SN 0300065541 to SN 0300140000 (See Note)	
224	3311608	4	Locknut 3/8in-16NC	
225	1320263	2	Clamp, Cable	

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FIGURE 3-4. MAIN BOOM ASSEMBLY

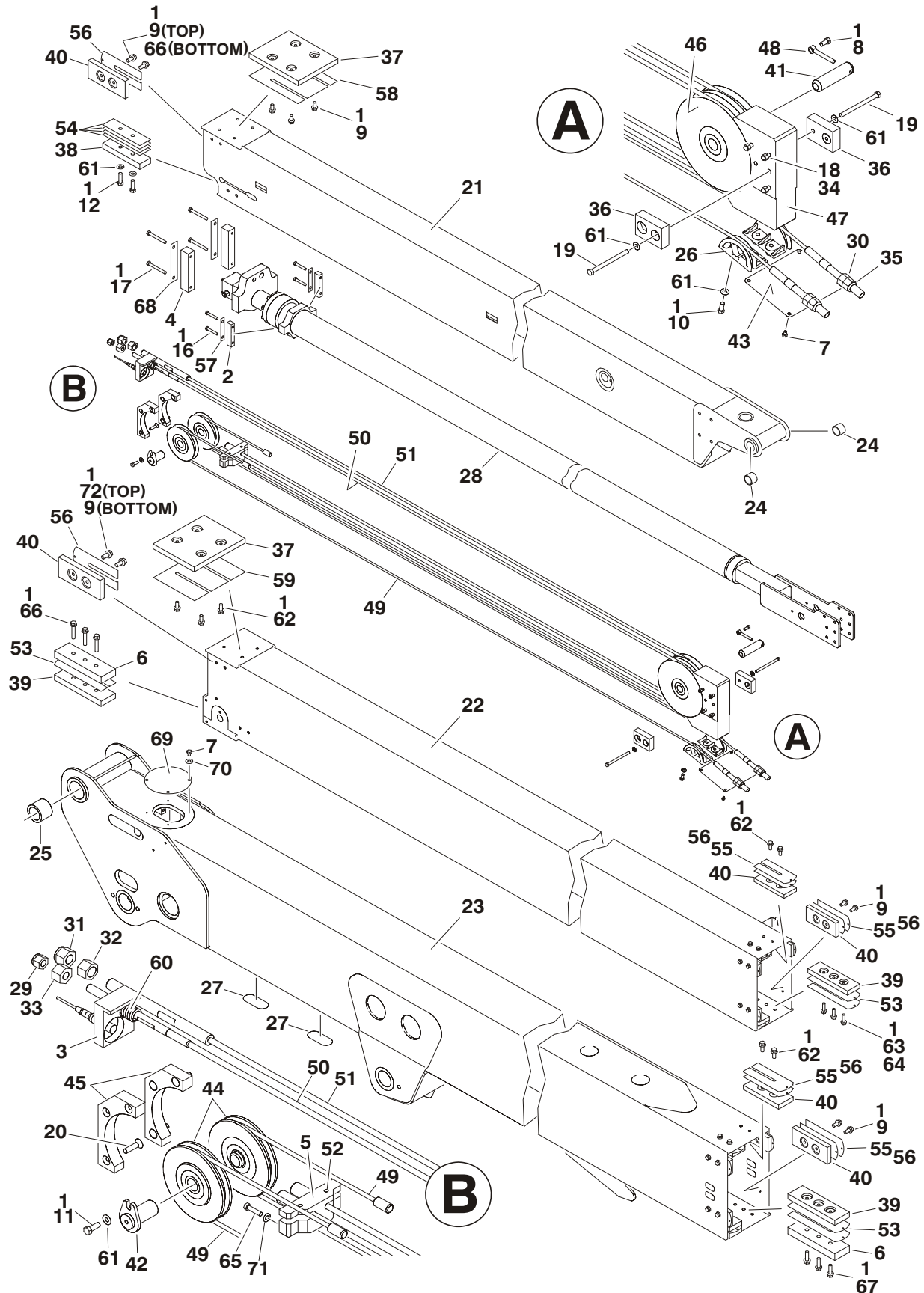


FIGURE 3-4. MAIN BOOM ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	MAIN BOOM ASSEMBLY OPTIONS:	
	0801274	Ref	800S	J
	0801281	Ref	860SJ	K
1	0100011	AR	Compound, Locking	
2	0561185	2	Block, Telescope Attach	
3	0561445	1	Block, Spring Mounting	
4	0561446	2	Block, Tele Mount	
5	0561447	1	Block, Cable Mount	
6	0561449	3	Block, Spacer	
7	0641403	8	Bolt 1/4in-20NC x 3/8in	
8	0641606	1	Bolt 3/8in-16NC x 3/4in	
9		28	Screw 3/8in-16NC x 3/4in Options: Prior to SN 0300074431 SN 0300074431 to SN 0300140000	
	0791606			
	0811606			
10	0641607	4	Bolt 3/8in-16NC x 7/8in	
11	0641608	2	Bolt 3/8in-16NC x 1in	
12	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
13 to 15	Not Used			
16	0641616	4	Bolt 3/8in-16NC x 2in	
17	0641626	4	Bolt 3/8in-16NC x 3-1/4in	
18	0641634	4	Bolt 3/8in-16NC x 4-1/4in	
19	0641640	2	Bolt 3/8in-16NC x 5in	
20	0741612	6	Screw, Flathead 3/8in-16NC x 1-1/2in	
21		1	Fly Weldment Options: 800S 860SJ	
	0801275			
	0801282			
22		1	Mid Weldment Options: 800S (Prior to SN 0300105391) (p/n was 0801276) 800S (SN 0300105391 to SN 0300140000) 860SJ (Prior to SN 0300105391) (p/n was 0801283) 860SJ (SN 0300105391 to SN 0300140000)	
	Use 0801649			
	0801649			
	Use 0801647			
	0801647			
23		1	Base Weldment Options: 800S 860SJ	
	0801325			
	0801326			
24	0961948	2	Bearing (860SJ Only)	
25	0962297	2	Bearing	
26	1220078	2	Sheave, Block	
27	1670836	8	Cover, Boom (Prior to SN 0300120844 Only)	
28		1	Telescope Cylinder Assembly Options (See CYLINDER SECTION for Breakdown): 800S 860SJ	
	1684041			
	1684043			
29	3300240	1	Nut	
30	3300241	2	Locknut 3/4in-10NC	
31	3300242	1	Locknut 7/8in-9NC	
32	3272401	1	Nut 7/8in-9NC	
33	3272001	1	Nut 5/8in-11NC	

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FIGURE 3-4. MAIN BOOM ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34	3311605	4	Locknut 3/8in-16NC	
35	3312201	2	Nut 3/4in-10NC	
36	3340755	2	Pad, Wear	
37	3340757	2	Pad, Wear	
38	3340758	2	Pad, Rubber	
39	3340871	2	Pad, Wear	
40	3340881	5	Pad, Rubber	
41	3422417	1	Pin, Extend Sheave	
42	3422424	2	Pin	
43	3539622	1	Plate, Cover	
44	3580243	2	Sheave, Retract	
	0961951	1	Bushing	
45	3580249	2	Guard, Sheave	
46	3580288	1	Sheave, Extend	
	0961951	2	Bushing	
47	3580289	1	Guard, Sheave	
48	3841143	1	Keeper, Pin	
49		2	Cable, Wire Rope	
	3890013		800S	
	3890016		860SJ	
50		1	Cable, Wire Rope	
	3890014		800S	
	3890017		860SJ	
51		1	Cable, Wire Rope	
	3890015		800S	
	3890018		860SJ	
52	3951608	2	Setscrew 3/8in-16NC x 1in	
53	4070863	5	Shim (#11 Gauge)	
54	4070895	8	Shim (#16 Gauge)	
55	4070897	10	Shim (#18 Gauge)	
56	4070898	22	Shim (#11 Gauge)	
57	4070929	2	Shim (#16 Gauge)	
58	4070939	1	Shim (#16 Gauge)	
59	4070940	1	Shim (#16 Gauge)	
60	4160149	1	Spring, Torsion	
61	4711600	12	Flatwasher 3/8in Thin	
62		8	Screw 3/8in-16NC x 7/8in Options:	
	0791607		Prior to SN 0300074431	
	0811607		SN 0300074431 to SN 0300140000	
63		6	Screw 3/8in-16NC x 1in Options:	
	0791608		Prior to SN 0300074431	
	0811608		SN 0300074431 to SN 0300140000	
64		6	Screw 3/8in-16NC x 1-1/4in Options:	
	0791610		Prior to SN 0300074431	
	0811610		SN 0300074431 to SN 0300085466	
65		2	Screw Options:	
	0791612		Screw 3/8in-16NC x 1-1/2in (Prior to SN 0300130875)	
	0641613		Screw 3/8in-16NC x 1-5/8in (SN 0300130875 to SN 0300140000)	

FIGURE 3-4. MAIN BOOM ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
66	0791614 0811614	6	Screw 3/8in-16NC x 1-3/4in Options: Prior to SN 0300074431 SN 0300074431 to SN 0300140000	
67	0791616 0811616	6	Screw 3/8in-16NC x 2in Options: Prior to SN 0300074431 SN 0300074431 to SN 0300140000	
68	4071020	2	Shim (#16 Gauge)	
69	1120510	1	Cover, Pin	
70	4751400	4	Flatwasher 1/4in Regular	
71	4891600	2	Flatwasher 3/8in Hardened	
72	0641613	4	Screw 3/8in-16NC x 1-5/8in	

FIGURE 3-5. ROTATOR ASSEMBLY

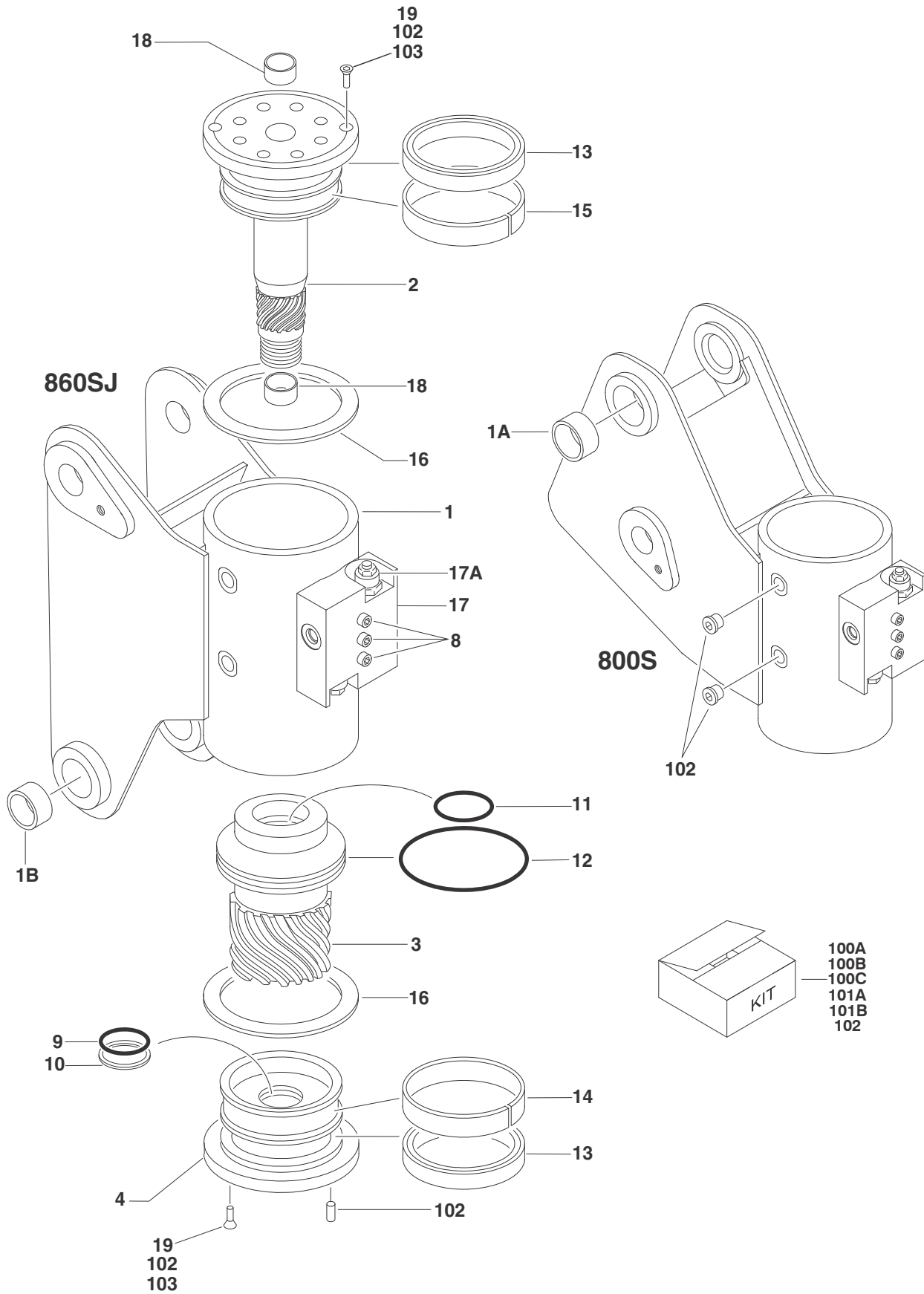


FIGURE 3-5. ROTATOR ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ROTATOR ASSEMBLIES	
	0060061	Ref	800S	I
	0060048	Ref	860SJ	H
1		1	Case/Bracket Weldment	
	7017175		0060061 Rotator	
	7017141		0060048 Rotator	
1A		AR	Bushing Options: (Top)	
	0961951	2	0060061 Rotator	
	Not Required	0	0060048 Rotator	
1B		AR	Bushing Options: (Bottom)	
	Not Required	0	0060061 Rotator	
	0961947	2	0060048 Rotator	
2		1	Shaft Options:	
	7017162		0060061 Rotator	
	7017140		0060048 Rotator	
3		1	Sleeve, Piston Options:	
	7017163		0060061 Rotator	
	7017139		0060048 Rotator	
4	7017164	1	Cap, End	
5 to 7	Not Used			
8	See Note	3	Bolt 1/4in-20NC (Grade 8) (Note: Not Available for Purchase.)	
9	See Note	1	Seal, Cap (Note: Use Items 100A, 100B & 100C)	
10	See Note	1	Ring, Back-Up Cap (Note: Use Items 100A, 100B & 100C)	
11	See Note	1	Seal, Rod (Note: Use Items 100A, 100B & 100C)	
12	See Note	1	Seal, Piston (Note: Use Items 100A, 100B & 100C)	
13	See Note	2	Packing, Bearing (Note: Use Items 100A, 100B & 100C)	
14	See Note	1	Bearing, Cap (Note: Use Items 101A & 101B)	
15	See Note	1	Bearing, Shaft (Note: Use Items 101A & 101B)	
16	See Note	2	Thrustwasher (Note: Use Items 101A & 101B)	
17		1	Counterbalance Valve Assembly Options:	
	7017172		0060061 Rotator	
	7017125		0060048 Rotator	
17A		2	Valve, Cartridge Options:	
	7017192		0060061 Rotator	
	7011323		0060048 Rotator	
		2	Seal Kit (1 Per Assembly)	
	See Note		7017192 Cartridge (Note: Not Available - Purchase Complete Assembly.)	
	2900770		7011323 Cartridge	
18	7017136	2	Bushing	
19	70001697	6	Screw, Countersunk (0060048 Rotator)	

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FIGURE 3-5. ROTATOR ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	KIT OPTIONS:	
100		1	Seal Kit Options: (Includes Items 9-13)	
100A	7017158		0060061 Rotators (Standard)	
100B	70000342		0060061 Rotators (Low Temperature)	
100C	7017137		0060048 Rotator	
101		1	Bearing Kit Options: (Includes Items 14-16)	
101A	7017159		0060061 Rotators	
101B	7017138		0060048 Rotator	
102	7017142	1	Hardware Kit (0060061 Rotators Only) (Includes End Cap Dowel Pins, Plugs & 103)	
103	70001697	4	Screw, Countersunk 1/4in-20NC x 3/8in (Grade 8)	

FIGURE 3-5. ROTATOR ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 3-6. PLATFORM SUPPORT & CONTROL VALVES INSTALLATIONS

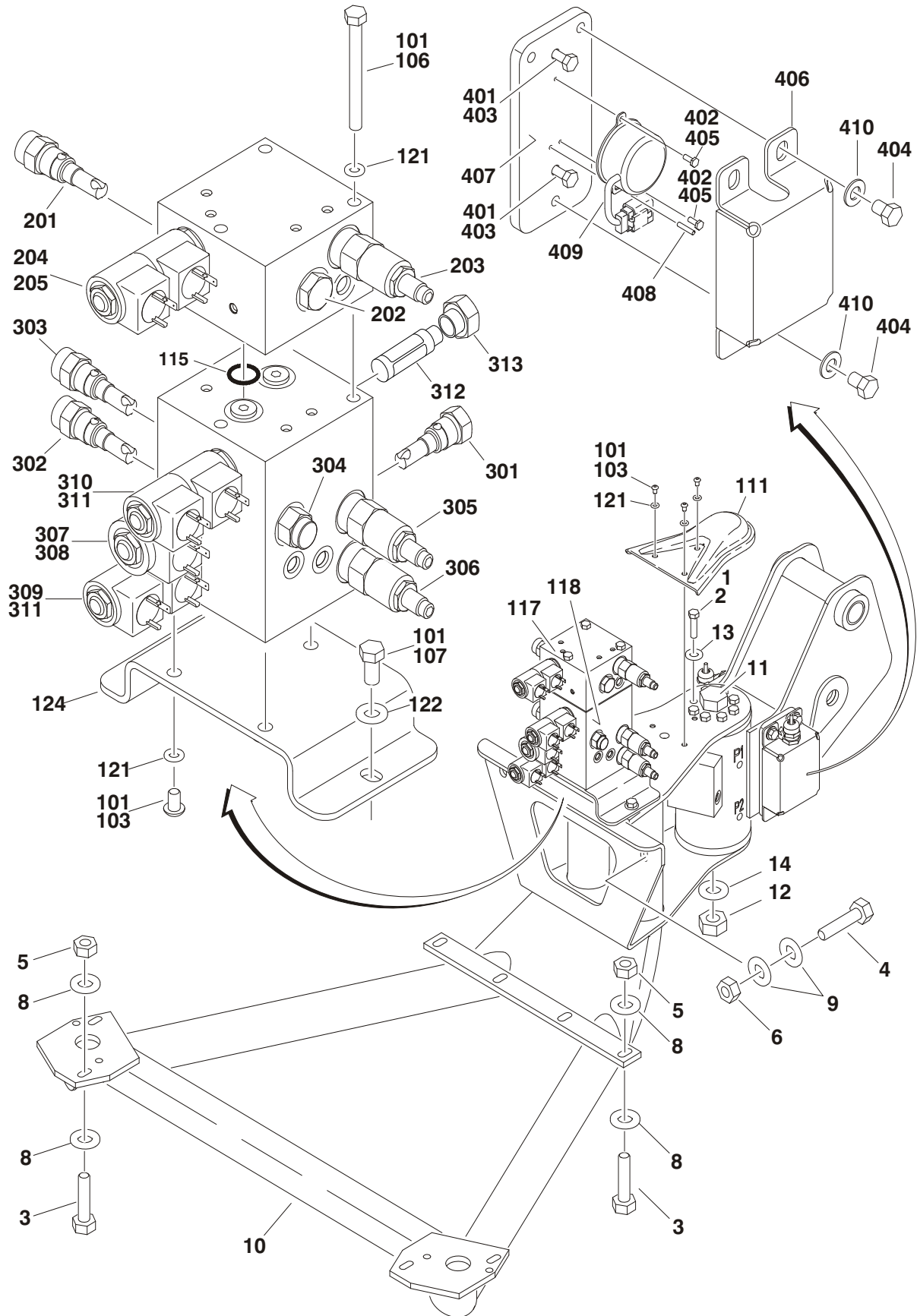


FIGURE 3-6. PLATFORM SUPPORT & CONTROL VALVES INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM SUPPORT INSTALLATION	
	0270015	Ref	Front Entry Platform Machines	C
	0272070	Ref	Side Entry Platform Machines without Load Sensing & without SkyGlazier	E
	See Note	Ref	Side Entry Platform Machines without Load Sensing & with SkyGlazier (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124242.)	
	See Note	Ref	Side Entry Platform Machines with Load Sensing & without SkyGlazier (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124287.)	
	See Note	Ref	Side Entry Platform Machines with Load Sensing & with SkyGlazier (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124287.)	
1	0100011	AR	Compound, Locking	
2	0641606	8	Bolt 3/8in-16NC x 3/4in (Use with p/n 0270015)	
	0681608	8	Bolt 3/8in-16NC x 1in (Grade 8) (Use with p/n 0272070)	
3	0681610	6	Bolt 3/8in-16NC x 1-1/4in (Grade 8) (Use with p/n 0270015)	
	0641812	8	Bolt 1/2in-13NC x 1-1/2in (Use with p/n 0272070)	
4	0641820	2	Bolt 1/2in-13NC x 2-1/2in (Use with p/n 0270015 Only)	
5	3311605	AR	Locknut 3/8in-16NC	
6	3311805	2	Locknut 1/2in-13NC (Use with p/n 0270015 Only)	
7	Not Used			
8	4751600	12	Flatwasher 3/8in Regular (Use with p/n 0270015)	
	4891800	8	Flatwasher 1/2in Hardened (Use with p/n 0272070)	
9	4751800	4	Flatwasher 1/2in Regular (Use with p/n 0270015 Only)	
10	4846158	1	Support Weldment (Use with p/n 0270015)	
	4846573	1	Support Weldment (Use with p/n 0272070)	
11	0642684	1	Bolt 1in-8NC x 10-1/2in (Use with p/n 0272070 Only)	
12		1	Locknut 1in-8NC Options (Use with p/n 0272070 Only):	
	3272605		Prior to SN 0300119693	
	3300243		SN 0300119693 to SN 0300140000	
13	4891600	8	Flatwasher 3/8in Hardened (Use with p/n 0272070 Only)	
14	4892600	1	Flatwasher 1in Hardened (Use with p/n 0272070 Only)	
		Ref	CONTROL VALVE INSTALLATIONS	
	0270901	Ref	800S Prior to SN 0300083331	G
	0274173	Ref	800S SN 0300083331 to SN 0300087262	B
	0274644	Ref	800S SN 0300087262 to SN 0300140000	D
	0270902	Ref	860SJ Prior to SN 0300083331	F
	0274174	Ref	860SJ SN 0300083331 to SN 0300087262	B
	0274645	Ref	860SJ SN 0300087262 to SN 0300140000	D
101	0100011	AR	Compound, Locking	
102	Not Used			
103	0630467	6	Screw, Button Head	
104 to 105	Not Used			
106	0641526	3	Bolt 5/16in-18NC x 3-1/4in (860SJ Only)	
107	0641606	2	Bolt 3/8in-16NC x 3/4in	
108 to 110	Not Used			

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FIGURE 3-6. PLATFORM SUPPORT & CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
111	1670964	1	Cover	B
112 to 114	Not Used			
115	3780117	2	O-Ring (860SJ Only)	
116	Not Used			
117		AR	Valve, Jib (See Items 201-205 for Breakdown)	
	Not Required	0	800S	
	4641186	1	860SJ	
118		1	Valve, Level/Rotate Options (See Items 301-313 for Breakdown):	
	4641185		Prior to SN 0300069206	
	4641251		SN 0300069206 to SN 0300140000	
119 to 120	Not Used			
121	4711500	AR	Flatwasher 5/16in Thin	
122	4711600	2	Flatwasher 3/8in Thin	
123	Not Used			
124	4846218	1	Plate, Valve Mounting	
	4641186	Ref	JIB VALVE ASSEMBLY (860SJ ONLY)	C A
201	7012965	1	Valve, Cartridge	
	7012953	1	Seal Kit - 7012965 Valve	
202	7010542	1	Valve, Load Shuttle	
	7010543	1	Seal Kit - 7010542 Valve	
203	7023915	1	Valve, Relief	
	7012967	1	Seal Kit - 7023915 Valve	
204	7023922	1	Valve, Solenoid	
	7017402	1	Seal Kit - 7017452 Valve	
205	7012944	2	Coil	
		Ref	LEVEL/ROTATE VALVE ASSEMBLIES	
	4641185	Ref	Prior to SN 0300069206	
	4641251	Ref	SN 0300069206 to SN 0300140000	
301	7012955	1	Valve, Check	
	7012967	1	Seal Kit - 7012955 Valve	
302	7012965	1	Valve, Flow Regulator (Valve 4641185)	
	7023984	1	Valve, Flow Regulator (Valve 4641251)	
	7012953	1	Seal Kit - 7012965/7023984 Valves	
303	7012989	1	Valve, Flow Regulator	
	7012953	1	Seal Kit - 7012989 Valve	
304	7023924	1	Valve, Flow Regulator (Valve 4641185)	
	7012965	1	Valve, Flow Regulator (Valve 4641251)	
	7012953	1	Seal Kit - 7023924/7012965 Valves	
305	7023983	1	Valve, Relief (Level Up)	
	7012967	1	Seal Kit - 7023983 Valve	
306	7023911	1	Valve, Relief (Level Down)	
	7012967	1	Seal Kit - 7023911 Valve	
307	7017479	1	Valve, Solenoid (Pressure)	
	7012518	1	Seal Kit - 7017479 Valve	
308	7012943	1	Coil	

FIGURE 3-6. PLATFORM SUPPORT & CONTROL VALVES INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
309	7023922	1	Valve, Solenoid (Platform Level)	
	7017402	1	Seal Kit - 7023922 Valve	
310	7017452	1	Valve, Solenoid (Rotator)	
	7017402	2	Seal Kit - 7017452 Valve	
311	7012944	4	Coil	
312	7021616	1	Filter (Valve 4641251)	
313	7024832	1	Plug (Valve 4641251)	
		Ref	LEVEL SENSOR SWITCH INSTALLATION OPTIONS:	
	0271381	Ref	Prior to SN 0300075873	F
	0273695	Ref	SN 0300075873 to SN 0300140000	A
401	0100011	AR	Compound, Locking	
402	0100035	AR	Compound, Locking	
403	0641406	4	Bolt 1/4in-20NC x 3/4in	
404	0641604	6	Bolt 3/8in-16NC x 1/2in	
405		4	Screw #6-32NC x 3/8in Options:	
	0720603		Prior to SN 0300075873	
	3930606		SN 0300075873 to SN 0300140000	
406	1671044	2	Cover, Sensor	
407		2	Mount, Sensor Options:	
	3200436		Prior to SN 0300066741	
	3200449		SN 0300066741 to SN 0300140000	
408	3440410	2	Rollpin	
409		2	Switch, Tilt Sensor Options:	
	Use 4360544		Prior to SN 0300066741 (was p/n 4360503)	
	Use 4360544		SN 0300066741 to SN 0300075873 (was p/n 4360528)	
	4360544		SN 0300075873 to SN 0300140000	
410	4711600	6	Flatwasher 3/8in Thin	

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FIGURE 3-7. BOOM CABLE CLAMPS INSTALLATIONS

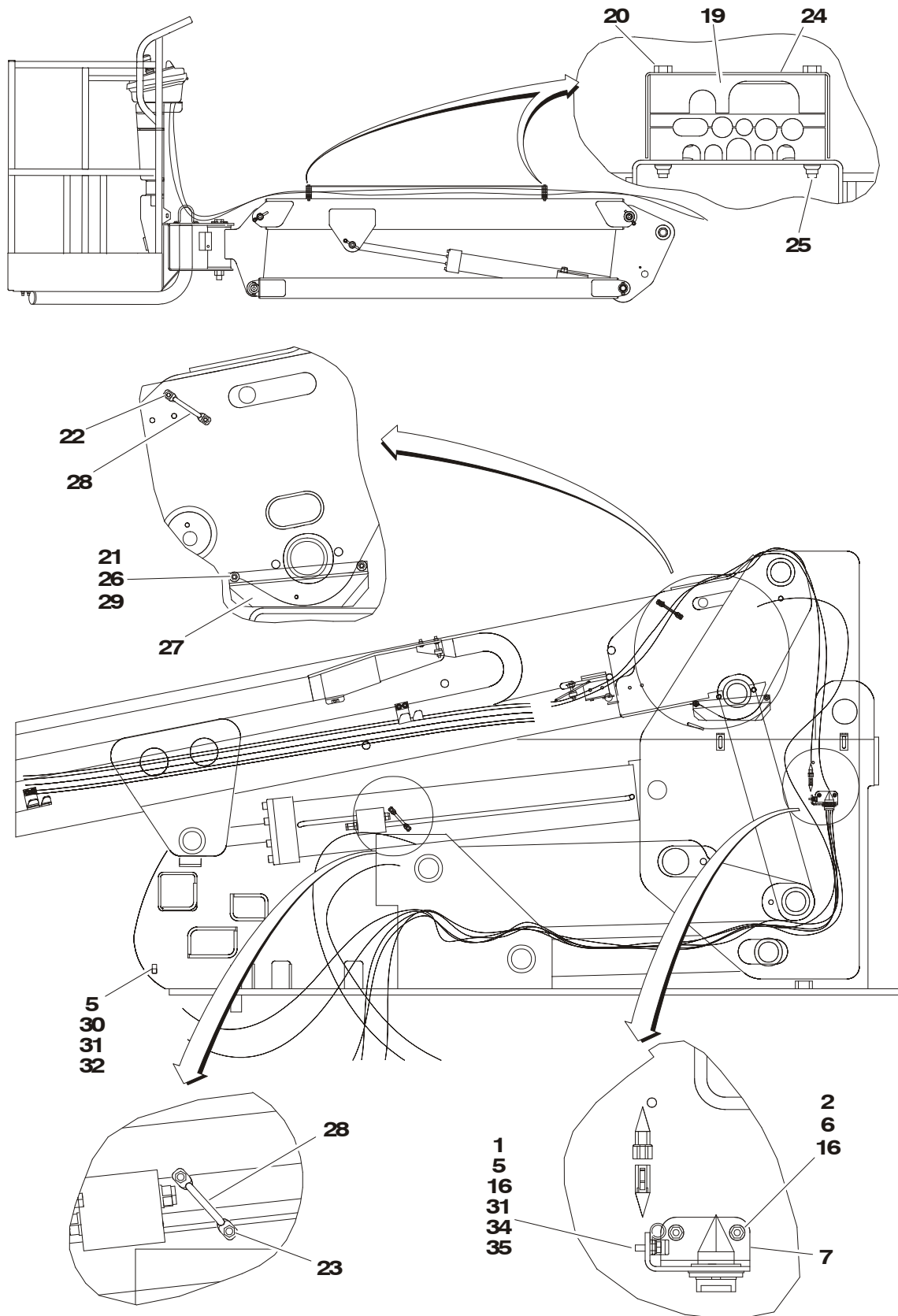


FIGURE 3-7. BOOM CABLE CLAMPS INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	BOOM CABLE CLAMPS INSTALLATION	
	0271322	Ref	800S	I
	0272388	Ref	800S (With 7500W Generator and Without Arctic Package)	F
	1001091609	Ref	800S (Without 7500W Generator and With Arctic Package)	C
	1001091664	Ref	800S (With 7500W Generator and Arctic Package)	D
	0271324	Ref	860SJ	I
	0272389	Ref	860SJ (With 7500W Generator and Without Arctic Package)	E
	0275586	Ref	860SJ (Without 7500W Generator and With Arctic Package)	B
	1001091665	Ref	860SJ (With 7500W Generator and Arctic Package)	D
1	0641408	1	Bolt 1/4in-20NC x 1in	
2	0641412	2	Bolt 1/4in-20NC x 1-1/2in	
3 to 4	Not Used			
5		AR	Clamp Options:	
	1320223	2	Machines Without 7500W Generator	
	Not Required	0	Machines With 7500W Generator	
6	Not Used			
7	3573047	1	Plate, Terminal Mounting	
8 to 15	Not Used			
16	4711400	5	Flatwasher 1/4in Thin	
17 to 18	Not Used			
19		2	Block, Clamp (860SJ Only) Options:	
	0561484		All Machines Except Machines Without 7500W Generator and With Arctic Package	
	1001091472		Without 7500W Generator and With Arctic Package	
20	0641424	4	Bolt 1/4in-20NC x 3in (860SJ Only)	
21	0641511	2	Bolt 5/16in-18NC x 1-3/8in	
22	0641604	2	Bolt 3/8in-16NC x 1/2in	
23	0641607	2	Bolt 3/8in-16NC x 7/8in	
24	1671034	1	Cover, Jib (860SJ Only)	
25	2080044	4	Rivnut (860SJ Only)	
26	3311505	2	Locknut 5/16in-18NC	
27	3573296	1	Plate, Hose Cover	
28	3841340	2	Loop, Hose	
29	4751500	4	Flatwasher 5/16in Regular	
30		AR	Bolt 1/4in-20NC x 1-1/4in Options:	
	0641410	1	Machines Without 7500W Generator	
	Not Required	0	Machines With 7500W Generator	
31	3311405	AR	Locknut 1/4in-20NC	
32		AR	Flatwasher 1/4in Regular Options:	
	4751400	1	Machines Without 7500W Generator	
	Not Required	0	Machines With 7500W Generator	
33	Not Used			
34	1320061	1	Clamp	
35	Use 1320041	1	Clamp (was p/n 1320169) (Machines With 7500W Generator Only)	

SECTION 3 BOOM

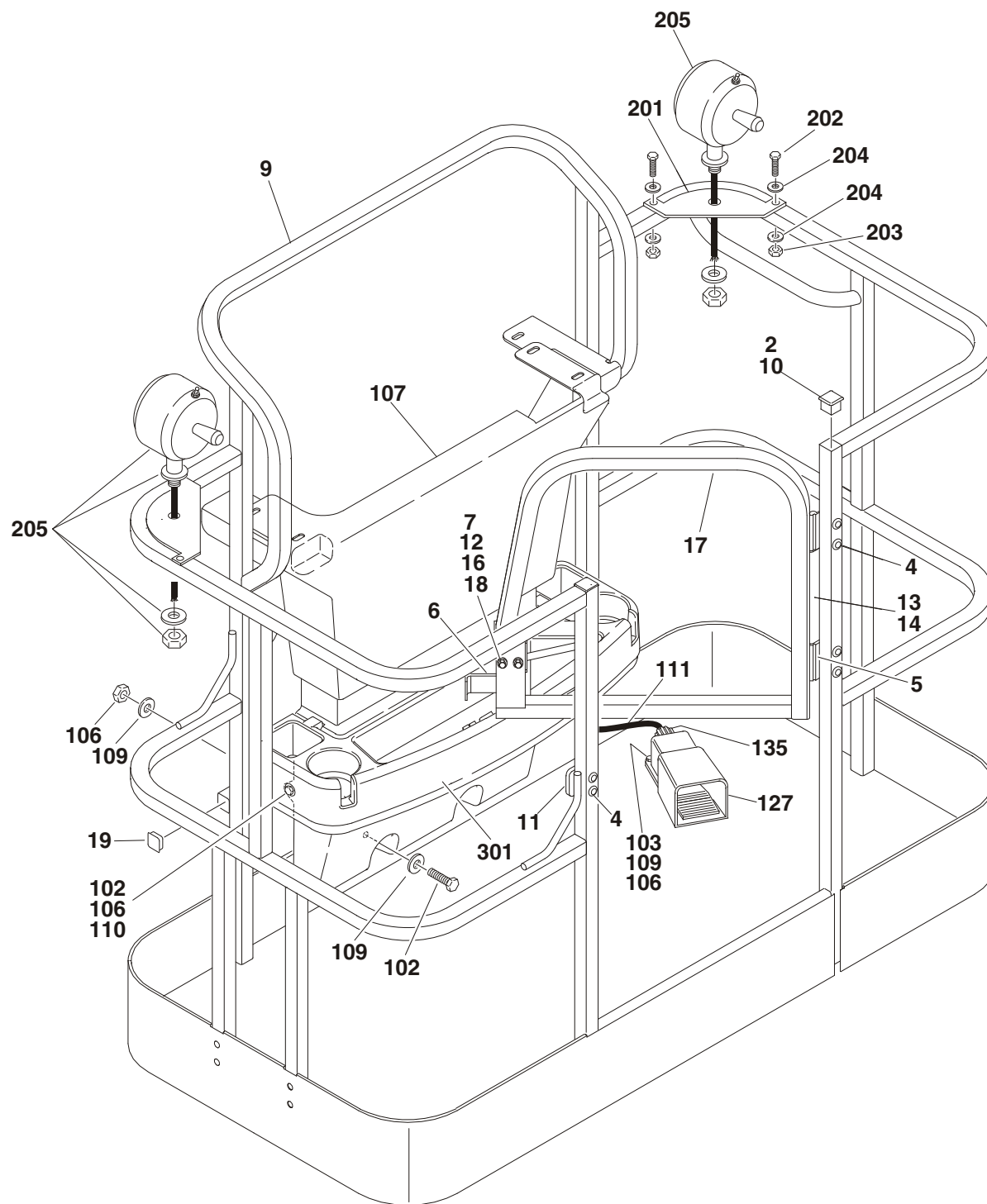
FIGURE 3-7. BOOM CABLE CLAMPS INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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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 ASSEMBLIES:	
	3510772	Ref	8ft (2.44m) with Standard Gate/No Mesh	A
	3510816	Ref	8ft (2.44m) with Self-Closing Gate/No Mesh	A
	3510837	Ref	8ft (2.44m) with Self-Closing Gate/Mesh to Top Rail	B
	3510817	Ref	6ft (1.83m) with Standard Gate/No Mesh	A
	3510821	Ref	6ft (1.83m) with Self-Closing Gate/No Mesh	A
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	Not Used			
2	0100074	AR	Sealant, RTV Silicone	
3	Not Used			
4	2080040	13	Fastener, Huck	
5		2	Hinge Options:	
	2600216		Standard Gate	
	2600219		Self-Closing Gate (Prior to SN 0300068577)	
	2600287		Self-Closing Gate (SN 0300068577 to SN 0300140000)	
6	2940074	1	Latch	
7	3311001	4	Nut #10-24NC	
8	Not Used			
9	See Note	1	Platform Weldment (Note: Not Available - Purchase Complete Platform Assembly.)	
10	3520072	AR	Cap-Plug	
11	3539685	1	Plate, Latch	
12	3911008	4	Screw #10-24NC x 1in	
13	4060803	6in/15cm	Trim	
14	4220165	1	Stop, Gate	
15	Not Used			
16	4751000	8	Flatwasher #10 Regular	
17		1	Gate Weldment Options:	
	4845327		Standard Gate	
	4845426		Self-Closing Gate	
	4845951		Self-Closing Gate/Mesh to Top Rail	
18	4761000	4	Lockwasher #10	
19	3520172	2	Plug	
	0100010	AR	Adhesive	
	0270889	Ref	FOOTSWITCH AND COVERS INSTALLATION	C
101	Not Used			
102	0641406	AR	Bolt 1/4in-20NC x 3/4in	
103	0641408	3	Bolt 1/4in-20NC x 1in	
104 to 105	Not Used			
106	3311405	AR	Locknut 1/4in-20NC	
107	3380434	1	Panel, Molded	
108	Not Used			
109	4740362	7	Washer, Fender	
110	4751400	4	Flatwasher 1/4in Regular (Prior to SN 0300096735)	
111	1060918	7ft/2.14m	Cable, Electrical - 18/3	

SECTION 4 PLATFORM

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
112 to 126	Not Used			
127	See Note	1	Footswitch (Note: See PLATFORM ASSEMBLIES - SIDE ENTRY PLATFORM for Service Parts)	
128 to 134	Not Used			
135	4460071	1	Connector, Strain Relief	
	0270814	Ref	WORKLIGHTS INSTALLATION (OPTIONAL)	3/E
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 Assembly	
	7016399	2	Bulb, Replacement (1 per Assembly)	
206	4240099	10	Tie-Strap (Not Shown)	
207	2820035	9ft/2.75m	Loom, Vinyl (Not Shown)	
208	Not Used			
209	4460598	1	Connector, Strain Relief (Not Shown - Located at Console Box)	
		Ref	TRAY INSTALLATIONS (OPTIONAL)	
301	1580012	1	Tray, Storage (Center)	
302	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	

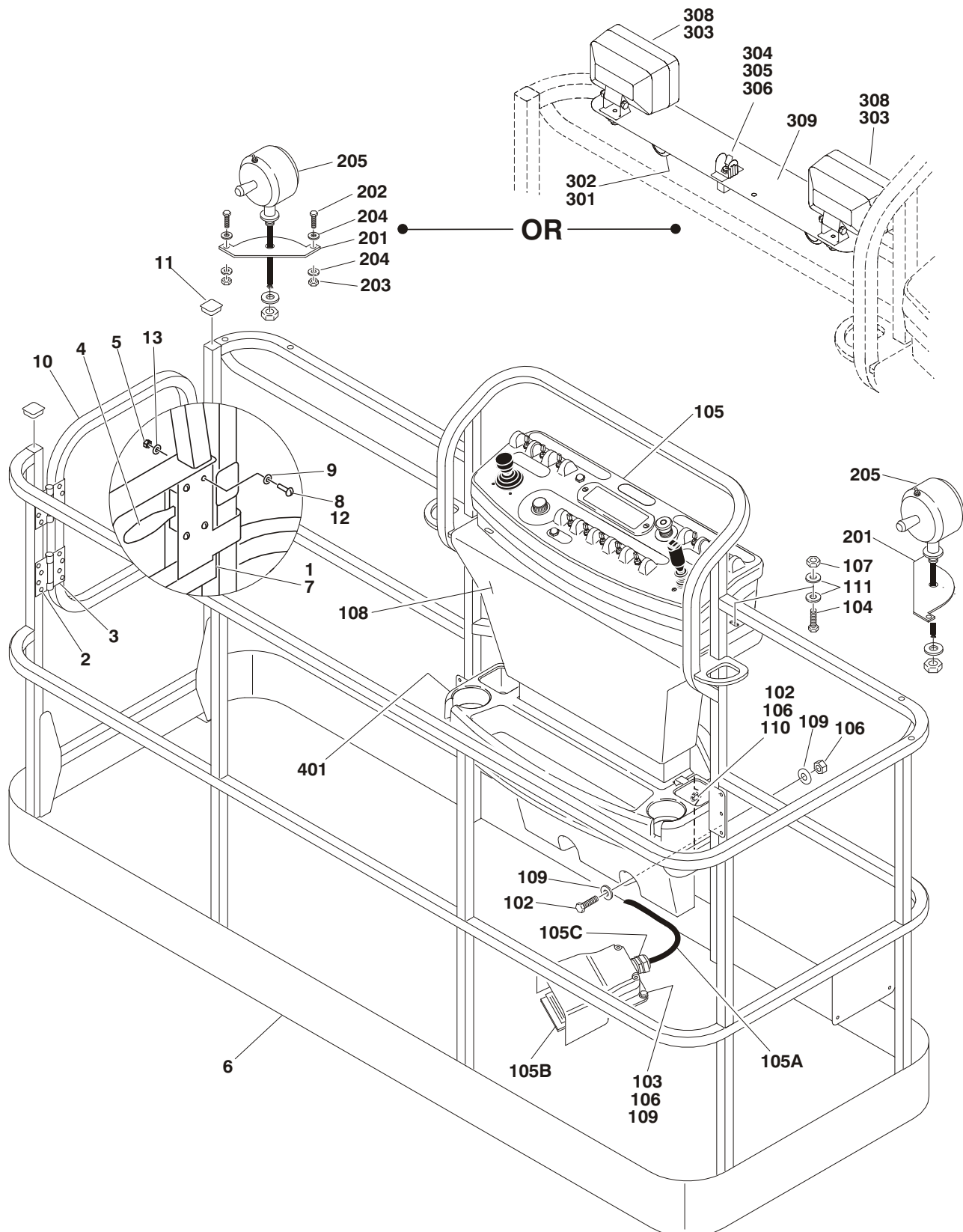
SECTION 4 PLATFORM

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY (SN 0300067916 TO SN 0300140000)



SECTION 4 PLATFORM

FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY (SN 0300067916 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM ASSEMBLIES:	
	Use 1001144027	Ref	Platform 30in x 4ft (76cm x 1.22m) with No Mesh (was p/n 3510830)	B/M
	Use 1001144026	Ref	Platform 30in x 5ft (76cm x 1.5m) with No Mesh (was p/n 3510831)	B/L
	Use 1001144024	Ref	Platform 36in x 6ft (91.5cm x 1.83m) with No Mesh (was p/n 3510833)	B/I
	Use 1001144023	Ref	Platform 36in x 8ft (91.5cm x 2.44m) with No Mesh (was p/n 3510822)	B/J
		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 SPECIAL OPTIONS SECTION for Mesh Installations.	
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0100040	AR	Sealant, Adhesive (SN 0300067916 to SN 0300073442)	
2	2080040	16	Fastener, Huck	
3	2600281	2	Hinge, Self-Closing	
4	2940074	1	Latch	
5	3311001	4	Nut #10-24NC (SN 0300067916 to SN 0300077329)	
6	See Note	1	Platform Weldment (Note: Not Available - Purchase Complete Platform Assembly.)	
7	3520072	1	Cap-Plug	
8		4	Screw Options:	
	3911008		Screw #10-24NC x 1in (SN 0300067916 to SN 0300076322)	
	3900205		Screw #10-24NC x 5/8in (SN 0300076322 to SN 0300077329)	
	3820020		Rivet, Pop (SN 0300077329 to SN 0300140000)	
9	4751000	4	Flatwasher #10 Regular (SN 0300067916 to SN 0300077329)	
10		1	Gate Weldment Options:	
	4846452		Gate for Platform p/ns 3510822, 3120830, 3510831 & 3510833	
	1001144629		Gate for Platform p/ns 1001144023, 1001144024, 1001144026 & 1001144027	
11	3520198	2	Cap-Plug (SN 0300073442 to SN 0300140000)	
12	0100011	AR	Compound, Locking (SN 0300073442 to SN 0300077329)	
13	4761000	4	Lockwasher #10 (SN 0300073442 to SN 0300077329)	
		Ref	FOOTSWITCH AND COVERS INSTALLATION	
	0270889	Ref	SN 0300067916 to SN 0300137913	D
	1001108867	Ref	SN 0300137913 to SN 0300139080	B
	1001114897	Ref	SN 0300139080 to SN 0300140000	B
101	Not Used			
102	0641406	AR	Bolt 1/4in-20NC x 3/4in	

SECTION 4 PLATFORM

**FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY (SN 0300067916 TO SN 0300140000)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
103	0641408	3	Bolt 1/4in-20NC x 1in	A
104	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
105		1	Platform Console Assembly Options (See PLATFORM CONSOLE ASSEMBLY for Breakdown):	
	0861416		Console Assembly (SN 0300067916 to SN 0300137913)	
	1001108866		Console Assembly (SN 0300137913 to SN 0300139080)	
	1001114896		Console Assembly (SN 0300139080 to SN 0300140000)	
	0272970	1	Footswitch Assembly (Includes Footswitch, Electrical Cable, Strain Relief Connectors and Connecting Terminals) (See ELECTRICAL SECTION for Further Breakdown)	
105A	1060918	7ft/2.14m	Cable, Electrical - 18/3	
105B	Use 0272970	1	Footswitch Assembly (Includes Footswitch & Items 105A & 105C) (was p/n 4360031)	
		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.	
		1	Footswitch Less Cable Options:	
	4360031		Original Equipment	
	1001117320		Service Replacement	
		AR	Block, Contact Options (see Note Above):	
	7000625	2	Contact Block for 4360031 Footswitch	
	70003483	1	Contact Block for 1001117320 Footswitch	
105C	4460071	1	Connector, Strain Relief	
106	3311405	AR	Locknut 1/4in-20NC	3/E D D
107	3311605	4	Locknut 3/8in-16NC	
108	3380434	1	Panel, Molded	
109	4740362	7	Washer, Fender	
110	4751400	4	Flatwasher 1/4in Regular (SN 0300067916 to SN 0300096735)	
111	4751600	8	Flatwasher 3/8in Regular	
		Ref	WORKLIGHTS INSTALLATIONS (OPTIONAL)	
	0270814	Ref	800S/860SJ - SN67916 to SN 0300074425	
	0273472	Ref	800S - SN 0300074425 to SN 0300140000	
	0273483	Ref	860SJ - SN 0300074425 to SN 0300140000	
201	3536089	2	Plate, Mounting	
202		4	Hardware Options:	
	0641414		Bolt 1/4in-20NC x 1-3/4in (SN 0300067916 to SN 0300112474)	
	2080040		Huck Fastener (SN 0300112474 to SN 0300140000)	
203	3311405	4	Locknut 1/4in-20NC (SN 0300067916 to SN 0300112474)	
204	4711400	8	Flatwasher 1/4in Thin (SN 0300067916 to SN 0300112474)	
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			

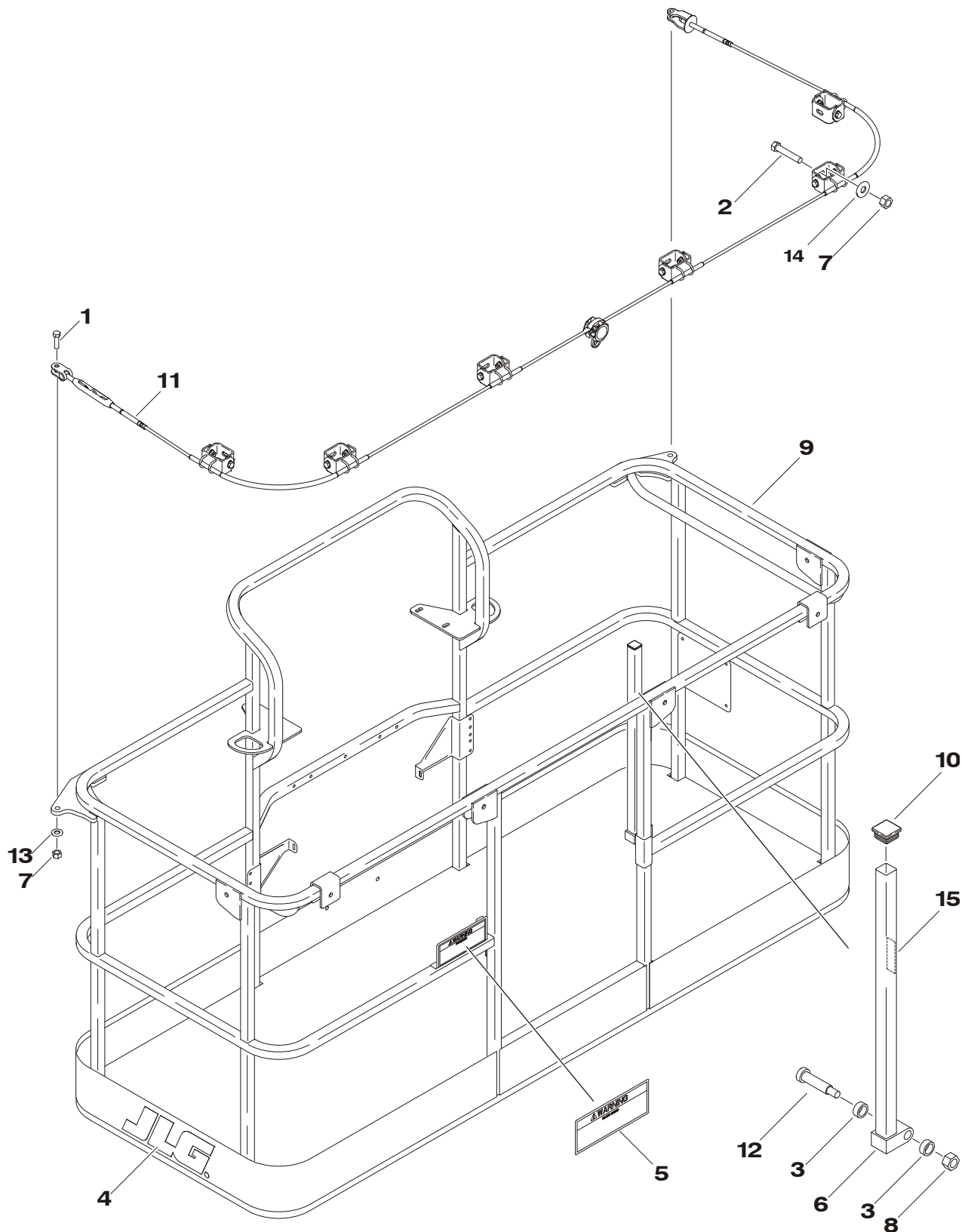
SECTION 4 PLATFORM

**FIGURE 4-2. PLATFORM ASSEMBLIES - SIDE ENTRY (SN 0300067916 TO SN 0300140000)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
209		1	Connector, Strain Relief Options (Not Shown - Located at Console Box):	B
	4460598		SN 0300067916 to SN 0300074425	
	4460426		SN 0300074425 to SN 0300140000	
	0272058	Ref	FLOODLIGHTS INSTALLATION	
301	0641518	2	Bolt 5/16in-18NC x 2-1/4in	
302	2560173	2	Handle, Star Knob	
303	2920157	2	Floodlight	
	7024452	2	Bulb, Replacement (1 Per Light)	
304	3250585	1	Nameplate - Lights On	
305	4060802	1	Guard, Switch	
306	4360336	1	Switch, Toggle	
307	4420037	AR	Tape, Insulation (Not Shown)	
308	4751800	2	Flatwasher 1/2in Regular	
309	4846561	1	Mount, Light	
		Ref	TRAY INSTALLATIONS (OPTIONAL)	
401	1580012	1	Tray, Storage (Center)	
402	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	

SECTION 4 PLATFORM

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



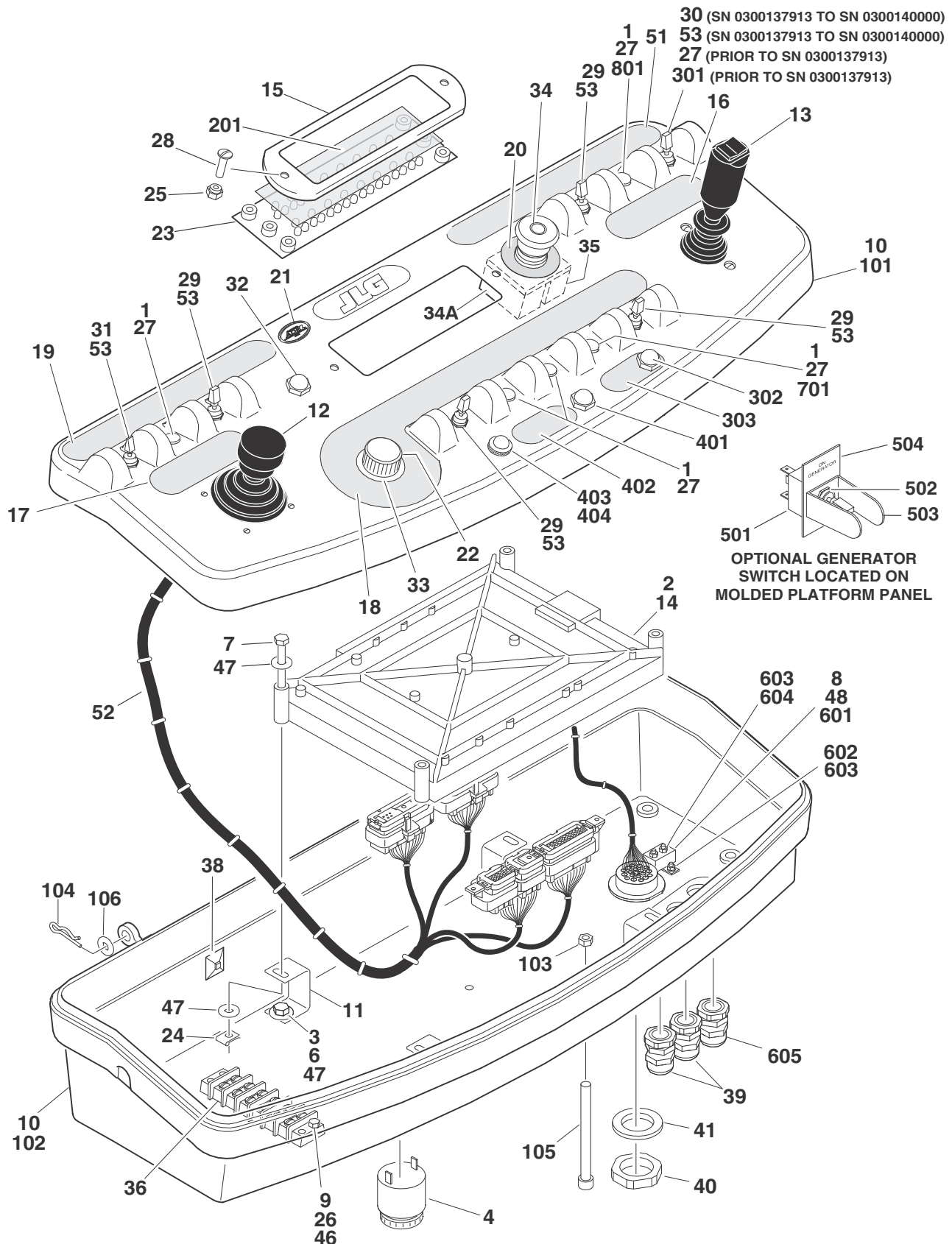
SECTION 4 PLATFORM

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM ASSEMBLY (FALL ARREST) OPTIONS:	
	3510884	Ref	PLATFORM ASSEMBLY (36 x 72)	E
	3510868	Ref	PLATFORM ASSEMBLY (36 x 96)	D
		Ref	Note: Replacement Decals Must be Ordered Separately - See DECAL SECTION.	
1	0681814	2	Bolt 1/2in-13NC x 1-3/4in (Grade 8)	
2	0681822	AR	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	AR	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		1	Cable, Fall Arrest Options:	
	1060919		36 x 72	
	3890040		36 x 96	
12	3900054	1	Bolt 1/2in-13NC x 1-3/4in	
13	4711800	2	Flatwasher 1/2in Thin	
14	4751800	AR	Flatwasher 1/2in Regular	
15	1706385	1	Decal - Drop Bar (SN 0300085911 to SN 0300140000)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY



SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM CONSOLE ASSEMBLY	
	0861416	Ref	Prior to SN 0300137913	J
	1001108866	Ref	SN 0300137913 to SN 0300139080	B
	1001114896	Ref	SN 0300139080 to SN 0300140000	B
1	0100009	AR	Sealant	
2	0100048	AR	Grease, Dielectric	
3	0100081	AR	Loctite #454	
4	0140011	1	Alarm	
5	Not Used			
6	0641406	4	Bolt 1/4in-20NC x 3/4in	
7		4	Bolt Options:	
	0641416		Bolt 1/4in-20NC x 2in (Prior to SN 0300079612)	
	0641414		Bolt 1/4in-20NC x 1-3/4in (SN 0300079612 to SN 0300140000)	
8	0721003	2	Bolt #10-24NC x 3/8in	
9		AR	Screw Options:	
	0721008	1	Screw #10-24NC x 1in (Prior to SN 0300113581)	
	0721006	2	Screw #10-24NC x 3/4in (SN 0300113581 to SN 0300140000)	
10	0861441	1	Box, Console (See Items 101-106 for Breakdown)	
11	0902751	4	Bracket, Support	
12	Use 1001129555	1	Controller Assembly (Lift & Swing) (See CONTROLLER ASSEMBLY (LIFT & SWING) for Breakdown) (was p/n 1600317 & 1001118417)	
13	Use 1001118416	1	Controller Assembly (Drive & Steer) (See CONTROLLER ASSEMBLY (DRIVE & STEER) for Breakdown) (was p/n 1600318)	
14		1	Controller, Module (Re-calibration Required when Replaced)	
	1600324		Prior to SN 0300079612	
	1600377		SN 0300079612 to SN 0300139080	
	1001110701		SN 0300139080 to SN 0300140000	
15		1	Bezel Options:	
	1670829		Prior to SN 0300081225	
	1671176		SN 0300081225 to SN 0300140000	
16	1702565	1	Decal (Drive and Steer)	
17	1702566	1	Decal (Lift and Swing)	
18	1702567	1	Decal (Function Speed)	
19	1702676	1	Decal (Horn)	
20	1704260	1	Decal - EMS	
21	1705132	1	Decal - Control ADE	
22	2560136	1	Handle, Knob	
23	2920154	1	Panel, LED Light	
24	3300353	4	Nut, Tinnermen	
25	3300408	2	Insert, Nylon	
26	3311005	2	Locknut #10-24NC	
27	3520028	AR	Plug, Hole 1/2in	
28	3911018	2	Screw, Round Head #10	
29	4360328	4	Switch, Toggle	
30	4360330	1	Switch, Toggle (SN 0300137913 to SN 0300140000 Only)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
31	4360331	1	Switch, Toggle	
32	4360387	1	Switch, Pushbutton	
33	4360407	1	Controller, Speed	
34	4360475	1	Switch, Emergency Stop	
	7020175	1	Cap, Red	
34A	7020176	1	Contact Block	
35	4360476	1	Block, Contact	
36	4460007	1	Bar, Buss - Ground	
37	4460225	1	Plug, Male - 6 Position (Not Shown - See ELECTRICAL SECTION for Location) (Prior to SN 0300139080)	
38		AR	Base, Mounting	
	4460488	1	Prior to SN 0300137913	
	4460234	3	SN 0300137913 to SN 0300140000	
39	4460428	2	Connector, Strain Relief	
40	4460470	1	Nut, Terminal	
41	4460471	1	Lockwasher, Terminal	
42	4460496	1	Nut, Terminal (Not Shown - See ELECTRICAL SECTION for Location)	
43	4460497	1	Lockwasher, Terminal (Not Shown - See ELECTRICAL SECTION for Location)	
44	4460708	2	Connector, Female - 15 Position (Not Shown - See ELECTRICAL SECTION for Location)	
45	4460905	5	Seal, Plug (Not Shown - See ELECTRICAL SECTION for Location)	
46	4751000	2	Flatwasher #10 Regular (SN 0300113581 to SN 0300140000)	
47	4751400	8	Flatwasher 1/4in Regular	
48	4761000	2	Lockwasher #10 Regular	
49	4922666	1	Harness, Analyzer Cable (Not Shown - See ELECTRICAL SECTION for Breakdown)	
50		1	Harness, Upper Valve Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
	4922620		Prior to SN 0300066741	
	4922749		SN 0300066741 to SN 0300140000	
51		1	Decal (Stop) Options:	
	1704997		Prior to SN 0300137335	
	Use 1704997		SN 0300137335 to SN 0300137913 (was p/n 1001107527)	
	1001107677		SN 0300137913 to SN 0300140000	
52		1	Harness, Platform Box (See ELECTRICAL SECTION for Breakdown)	
	4922595		Prior to SN 0300137913	
	1001107796		SN 0300137913 to SN 0300140000	
53	3790012	AR	O-Ring	
		1	Kit, Console Decal Options (Includes Items #16 - 20, 51 & 201):	
	2910871		Prior to SN 0300137913	
	1001119564		SN 0300137913 to SN 0300140000	
	0861441	Ref	CONSOLE BOX ASSEMBLY	F
101	See Note	1	Console Top (Note: Not Available for Purchase.)	
102	See Note	1	Console Bottom (Note: Not Available for Purchase.)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
103	3311601	1	Nut 3/8in-16NC	
104		2	Pin, Cotter Options:	
	3450304		Prior to SN 0300073729	
	3420156		SN 0300073729 to SN 0300088132	
	3470003		SN 0300088132 to SN 0300140000	
105		1	Screw 3/8in-16NC x 4-1/2in Options:	
	3931672		Prior to SN 0300073667	
	0630568		SN 0300073667 to SN 0300140000	
106	4711500	2	Flatwasher 5/16in Thin	
		Ref	LIGHT PANEL DECAL INSTALLATION	
	0271410	Ref	800S Prior to SN 0300137913	B
	1001108993	Ref	800S SN 0300137913 to SN 0300140000	A
	0271420	Ref	860SJ Prior to SN 0300137913	B
	1001108991	Ref	860SJ SN 0300137913 to SN 0300140000	A
201		1	Decal - Display	
	1704952		800S Prior to SN 0300137913	
	1001107954		800S SN 0300137913 to SN 0300140000	
	1704993		860SJ Prior to SN 0300137913	
	1001107953		860SJ SN 0300137913 to SN 0300140000	
	0271552	Ref	HEAD & TAIL LIGHTS INSTALLATION (OPTIONAL)	C
301	4360336	1	Switch, Toggle (Prior to SN 0300137913)	
	3790012	1	O-Ring (Prior to SN 0300137913)	
302	4360522	1	Switch, Push Button (SN 0300137913 to SN 0300140000)	
303	1705170	1	Decal - Lights (SN 0300137913 to SN 0300140000)	
		Ref	SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)	
401	4360387	1	Switch, Pushbutton	
402	1702938	1	Decal - Soft Touch Override	
403	2920028	1	Light, Indicator (SN 0300137913 to SN 0300140000 Only)	
404	2920029	1	Bulb, Light (SN 0300137913 to SN 0300140000 Only)	
		Ref	GENERATOR INSTALLATION (OPTIONAL)	
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)	
601	4360232	1	Breaker, Circuit - 15Amp (Prior to SN 0300074425)	
602	0721003	2	Bolt #10-24NC x 3/8in (Prior to SN 0300074425)	
603	4761000	4	Lockwasher #10 (Prior to SN 0300074425)	
604	3311001	2	Nut #10-24NC (Prior to SN 0300074425)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

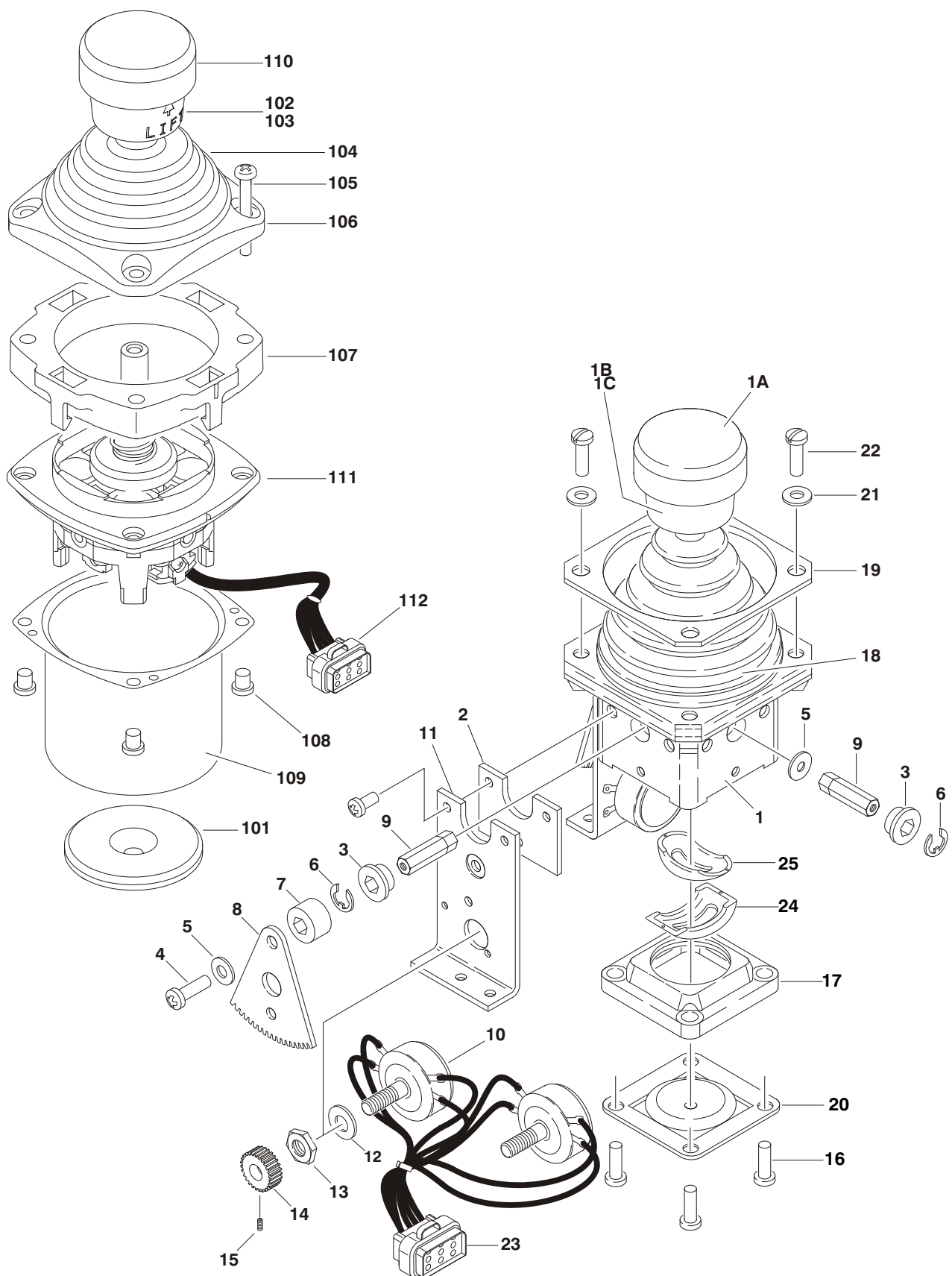
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
605	4460598	1	Connector, Strain Relief Options:	B
	4460426		Prior to SN 0300074425	
			SN 0300074425 to SN 0300140000	
	0258608	Ref	JIB SWITCH INSTALLATION (860SJ ONLY)	
701		1	Switch, Toggle Options:	
	4360314		Prior to SN 0300070914	
	4360328		SN 0300070914 to SN 0300140000	
	3790012	1	O-Ring (Prior to SN 0300070914)	
		Ref	DUAL FUEL SWITCH INSTALLATION	
801	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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



SECTION 4 PLATFORM

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Note: Original Equipment controller may have been replaced with Service Replacement controller. Visually identify controller before ordering parts.	
		Ref	CONTROLLER ASSEMBLY	
	1600317	Ref	Controller Assembly (OEM)	B
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	See Note	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	
	Use 1001129555	Ref	Controller Assembly (Service Replacement)	B
		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	

SECTION 4 PLATFORM

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
108	70002734	4	Screw	
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.

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

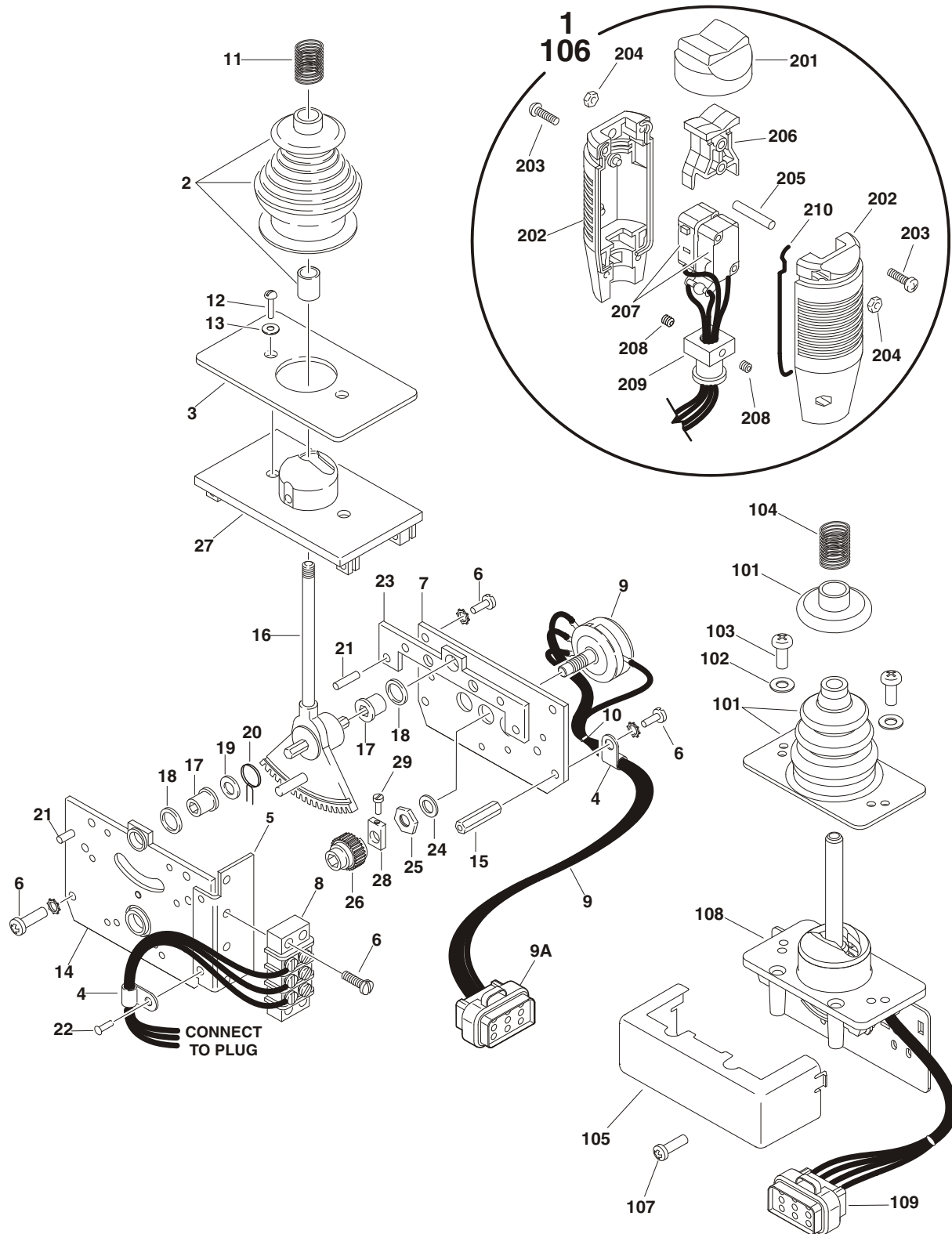


FIGURE 4-6. CONTROLLER ASSEMBLY (DRIVE AND STEER)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Note: Original Equipment controller may have been replaced with Service Replacement controller. Visually identify controller before ordering parts.	
		Ref	CONTROLLER ASSEMBLY	
	1600318	Ref	Controller Assembly	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	AR	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	Capscrew (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 (Note: Not Available for Purchase.)	

SECTION 4 PLATFORM

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

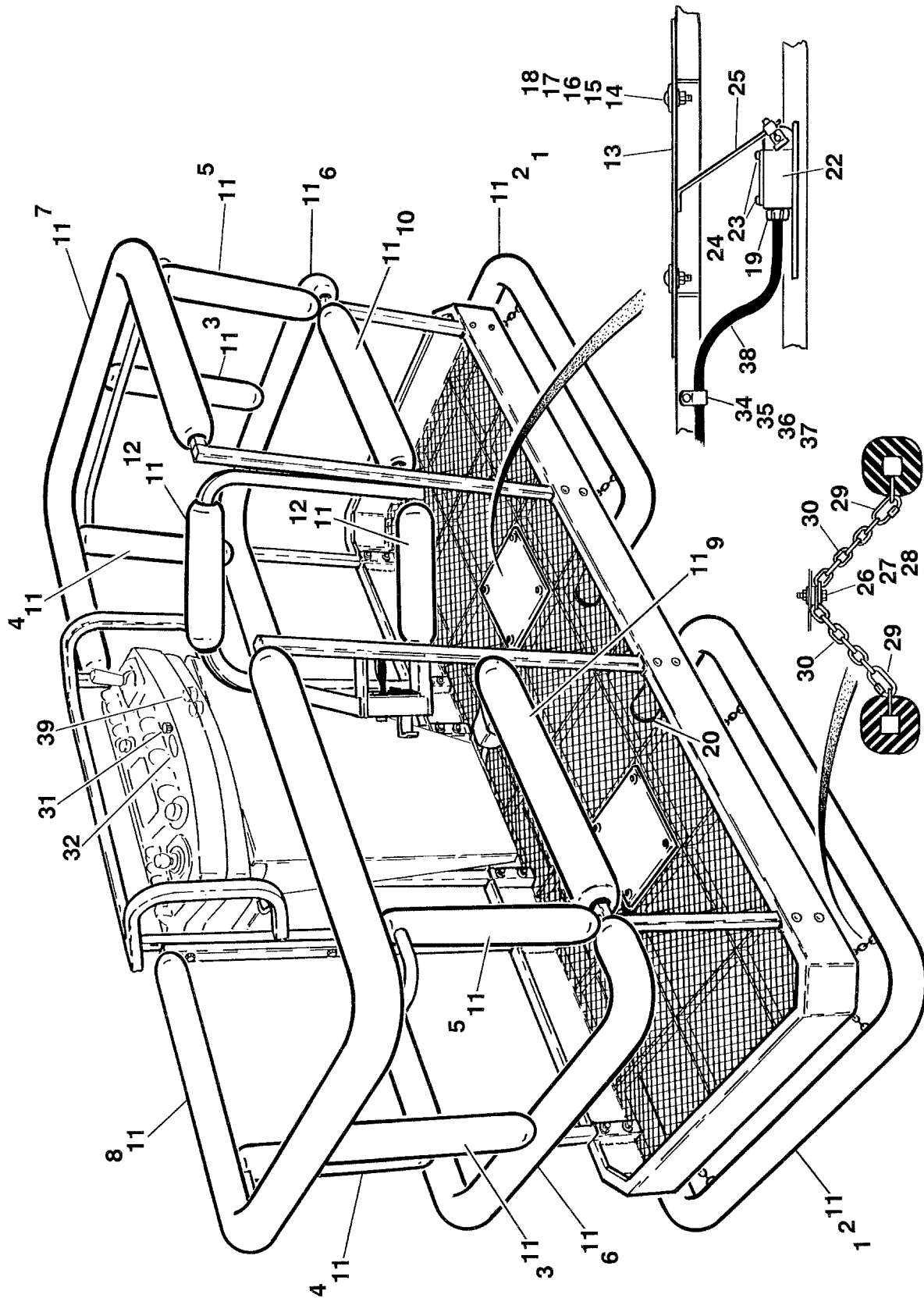
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
109	Use 1001113961	1	Plug, Male - 8 Position (Black) (was p/n 7022825)	
	4460871	7	Socket, Female	
		Ref	HANDLE ASSEMBLIES	
	7022812	Ref	Controller Assembly p/n 1600318	
	70002727	Ref	Controller Assembly p/n 1001118416	
201	7003972	1	Boot, Switch	
202	7003973	2	Half, Handle	
203	7003980	4	Screw	
204	7019167	4	Nut	
205	7019164	1	Axle	
206	7019165	1	Rocker	
207		1	Wiring Assembly Options:	
	7019196		Controller Assembly p/n 1600318	
	70002729		Controller Assembly p/n 1001118416	
		2	Switch, Micro	
	7019166		Controller Assembly p/n 1600318	
	7003982		Controller Assembly 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 INSTALLATION (FRONT ENTRY PLATFORM) (OPTIONAL)



SECTION 4 PLATFORM

FIGURE 4-7. SOFT TOUCH INSTALLATION (FRONT ENTRY PLATFORM) (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SOFT TOUCH SYSTEM INSTALLTIONS OPTIONS:	
	0270795	Ref	6ft/1.8m Platforms (Prior to SN 0300066909)	3
	0271550	Ref	6ft/1.8m Platforms (SN 0300066909 to SN 0300140000)	1
	0270796	Ref	8ft/2.4m Platforms (Prior to SN 0300066909)	2
	0271551	Ref	8ft/2.4m Platforms (SN 0300066909 to SN 0300140000)	1
1		2	Rail Weldment Options:	
	4845308		6ft/1.8m Platforms	
	4845309		8ft/2.4m Platforms	
2		2	Cover, Rail Options:	
	1670804		6ft/1.8m Platforms	
	1670803		8ft/2.4m Platforms	
3	1670787	2	Cover, End Post	
4	1670785	2	Cover, Front Right Post	
5	1670786	2	Cover, Front Left Post	
6	1670793	2	Cover, End Mid Rail	
7		1	Cover, Right End Top Options:	
	1670798		6ft/1.8m Platforms	
	1670796		8ft/2.4m Platforms	
8		1	Cover, Left End Top Options:	
	1670797		6ft/1.8m Platforms	
	1670795		8ft/2.4m Platforms	
9		1	Cover, Left End Mid Options:	
	1670799		6ft/1.8m Platforms	
	1670789		8ft/2.4m Platforms	
10		1	Cover, Right End Mid Options:	
	1670801		6ft/1.8m Platforms	
	1670791		8ft/2.4m Platforms	
11	0940038	AR	Padding, Bumper Options:	
		70ft/21.4m	6ft/1.8m Platforms	
		80ft/24.4m	8ft/2.4m Platforms	
12	1670788	2	Cover, Gate	
13	3539719	2	Plate, Switch Strike	
14	0630462	8	Bolt, Carriage	
15	4761500	8	Lockwasher 5/16in	
16	4751800	8	Flatwasher 1/2in Regular	
17	3311501	8	Nut 5/16in-18NC	
18	4751500	8	Flatwasher 5/16in Regular	
19	4460049	2	Connector, Strain Relief	
20	3530072	4	Plug, Cap	
21	Not Used			
22	4360057	2	Switch, Limit	
23	0731005	4	Bolt #10-32NC x 5/8in	
24	4751000	4	Lockwasher #10	
25	0200550	2	Arm, Switch	
26	0641612	8	Bolt 3/8in-16NC x 1-1/2in	
27	4751600	40	Flatwasher 3/8in Regular	
28	3311605	8	Locknut 3/8in-16NC	

SECTION 4 PLATFORM

**FIGURE 4-7. SOFT TOUCH INSTALLATION (FRONT ENTRY PLATFORM) (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
29	3010088	16	Link, Quick	
30	1260136	10ft/3m	Chain	
31	4360387	1	Switch, Push Button	
32	1702938	1	Decal - Soft Touch Override	
33	Not Used			
34	1320040	4	Clamp	
35	0641406	4	Bolt 1/4in-20NC x 3/4in	
36	4711400	8	Flatwasher 1/4in Thin	
37	3311405	4	Locknut 1/4in-20NC	
38	1060341	16ft/4.9m	Cable, Electrical (16/2)	
39	4460425	1	Connector, Strain Relief	

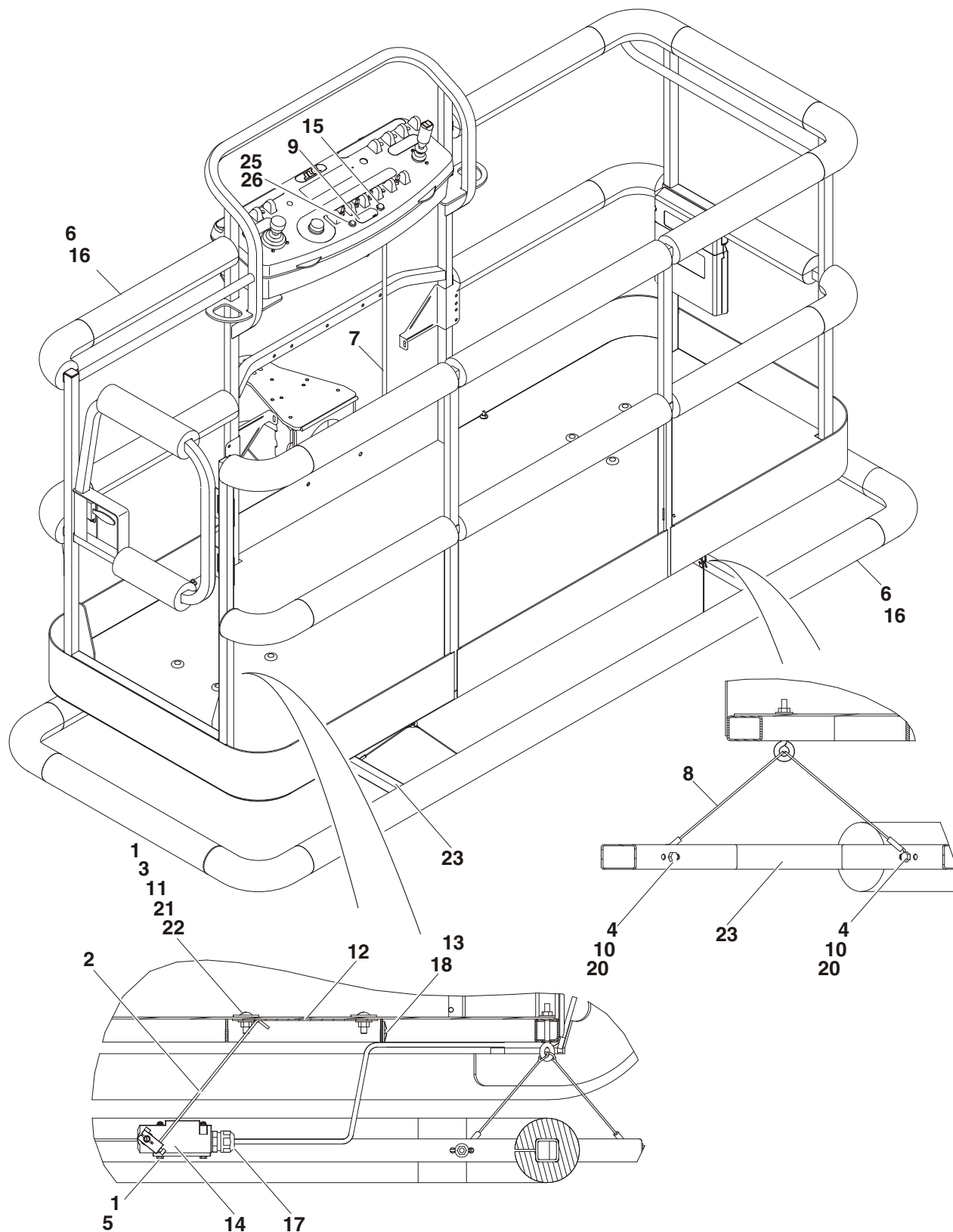
SECTION 4 PLATFORM

**FIGURE 4-7. SOFT TOUCH INSTALLATION (FRONT ENTRY PLATFORM) (OPTIONAL)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-8. SOFT TOUCH SYSTEM INSTALLATION (SIDE ENTRY PLATFORM) (OPTIONAL)



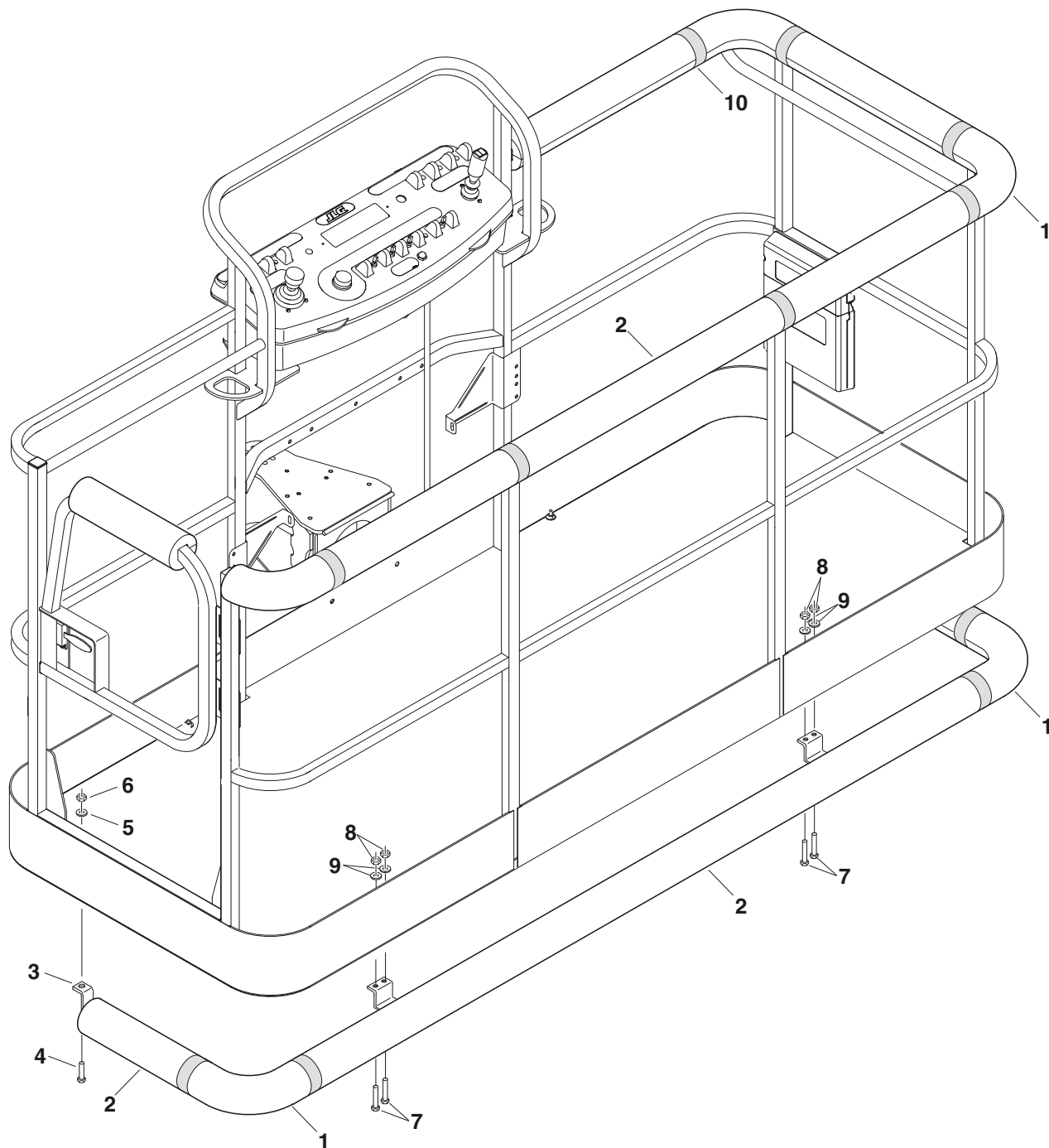
SECTION 4 PLATFORM

FIGURE 4-8. SOFT TOUCH SYSTEM INSTALLATION (SIDE ENTRY PLATFORM) (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SOFT TOUCH SYSTEM INSTALLATIONS	
	0273824	Ref	6ft Platforms (Side Entry Platform)	B
	0272427	Ref	8ft Platforms (Side Entry Platform)	D
	0274927	Ref	6ft/1.8m Platforms w/Fall Arrest (Prior to SN 0300137913)	A
	1001108256	Ref	6ft/1.8m Platforms w/Fall Arrest (SN 0300137913 to SN 0300140000)	A
	0273706	Ref	8ft/2.4m Platforms w/Fall Arrest	B
1	0100011	AR	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	
	0940177		6ft/1.8m Platforms w/Fall Arrest	
	0940133		8ft/2.4m Platforms w/Fall Arrest	
	0940092		Bumper (Corner) Options:	
		12	Standard Platform	
		8	Fall Arrest Platforms	
	0940094	AR	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	AR	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	AR	Flatwasher 5/16in Regular	
22	4751800	8	Flatwasher 1/2in Regular	
23		1	Rail, Soft Touch Options:	
	3641569		6ft Platform	
	4846673		8ft Platform	
24	Not Used			
25	2920028	1	Light, Indicator (SN 0300137913 to SN 0300140000 Only)	
26	2920028	1	Bulb, Light (SN 0300137913 to SN 0300140000 Only)	

SECTION 4 PLATFORM

FIGURE 4-9. PLATFORM PADDING INSTALLATION (SIDE ENTRY PLATFORM) (OPTIONAL)



SECTION 4 PLATFORM

FIGURE 4-9. 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 4-9. 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

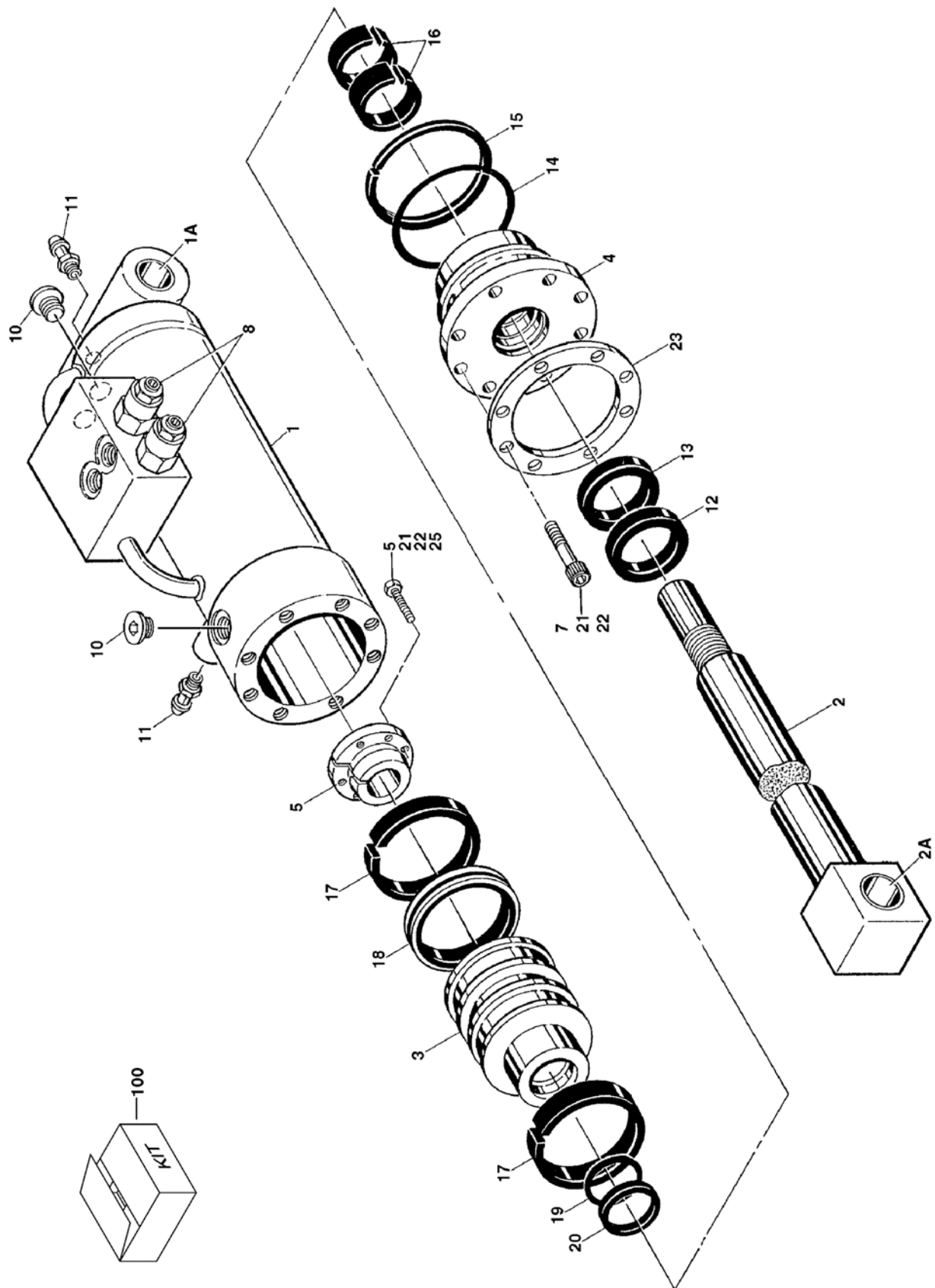


FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683078	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	L
1	1684191	1	Barrel Weldment (Note: Includes Item 1A)	
1A	0961816	2	Bushing (Prior to SN 0300070437)	
	0962496	2	Bushing (SN 0300070437 to SN 0300140000)	
2	1683986	1	Rod Weldment (Note: Includes Item 2A)	
2A	0961816	2	Bushing (Prior to SN 0300070437)	
	0962496	2	Bushing (SN 0300070437 to SN 0300140000)	
3	3480176	1	Piston	
4	1683059	1	Head	
5	0961895	1	Bushing	
6	Not Used			
7	3931720	8	Bolt, Socket Head 7/16in-14NC x 1-1/4in	
8	4641162	2	Cartridge, Valve (Counterbalance)	
	2900770	2	Seal Kit - 4641162 Valve (1 Per Assembly)	
9	2220886	1	Plug, O-Ring	
10	2220885	2	Plug, O-Ring	
11	4640858	3	Valve, Bleeder	
12	Use 2901271	1	Wiper	
13	Use 2901271	1	Seal, Rod	
14	Use 2901271	1	O-Ring	
15	Use 2901271	1	Ring, Back-up	
16	Use 2901271	1	Ring, Wear	
17	Use 2901271	2	Ring, Wear	
18	Use 2901271	1	T-Seal	
19	Use 2901271	1	O-Ring	
20	Use 2901271	2	Ring, Back-up	
21	0100011	AR	Compound, Locking	
22	0100038	AR	Primer, Locking	
23	3760367	1	Ring, Washer	
24	Not Used			
25	0630535	3	Bolt 1/4in-20NC x 1-1/8in	

100	2901271	1	Seal Kit (Includes Items 12-20)	

SECTION 5 CYLINDER

FIGURE 5-2. LIFT CYLINDER ASSEMBLY - JIB (860SJ ONLY)

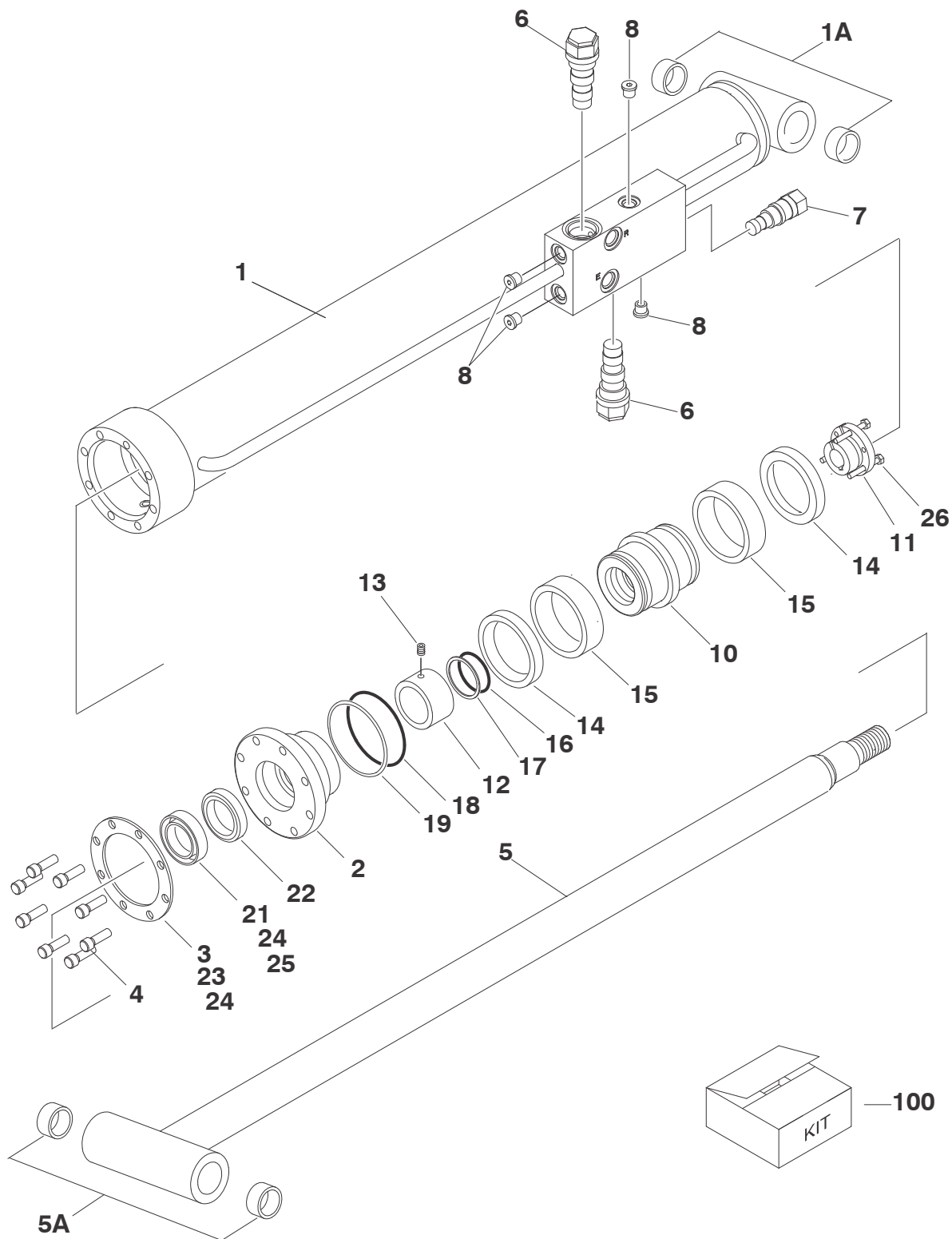


FIGURE 5-2. LIFT CYLINDER ASSEMBLY - JIB (860SJ ONLY)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683609	Ref	JIB LIFT CYLINDER ASSEMBLY	I
1	1684089	1	Barrel Weldment (Note: Includes Item 1A)	
1A	0962336	2	Bushing	
2	1683053	1	Head	
3	3760368	1	Washer, Ring	
4	3931516	8	Bolt, Socket Head 5/16in-18NC x 2in	
5	1684090	1	Rod Weldment (Note: Includes Item 5A)	
5A	0962336	2	Bushing	
6	4640509	2	Cartridge, Valve (Counterbalance Non-Vented)	
	2900792	2	Seal Kit - 4640509 Valve	
7	4641062	1	Plug, P.O. Check (Prior to SN 0300069570)	
8	2220883	4	Plug, O-Ring	
9	2220885	1	Plug, O-Ring	
10	3480210	1	Piston	
11	0961893	1	Bushing, Tapered	
12		1	Spacer, Tube Options:	
	4566471		Prior to SN 0300079610	
	4100100		SN 0300079610 to SN 0300140000	
13	3900141	1	Setscrew 1/4in-20NC x 1/4in (Prior to SN 0300079610)	
14	Use 2901303	2	Ring, Lock	
15	Use 2901303	2	Seal, Piston	
16	Use 2901303	1	O-Ring	
17	Use 2901303	2	Ring, Back-up	
18	Use 2901303	1	O-Ring	
19	Use 2901303	1	Ring, Back-up	
20	Use 2901303	1	Seal	
21	Use 2901303	1	Wiper	
22	Use 2901303	1	Ring, Wear	
23	0100011	AR	Compound, Locking	
24	0100038	AR	Primer, Locking	
25	0100063	AR	Loctite #RC609 (Prior to SN 0300079610)	
26	0630534	3	Capscrew, Socket Head #10-24NC x 1in	

100	2901303	1	Seal Kit (Includes Items 14-22)	

SECTION 5 CYLINDER

FIGURE 5-3. LIFT CYLINDER ASSEMBLY - MAIN BOOM

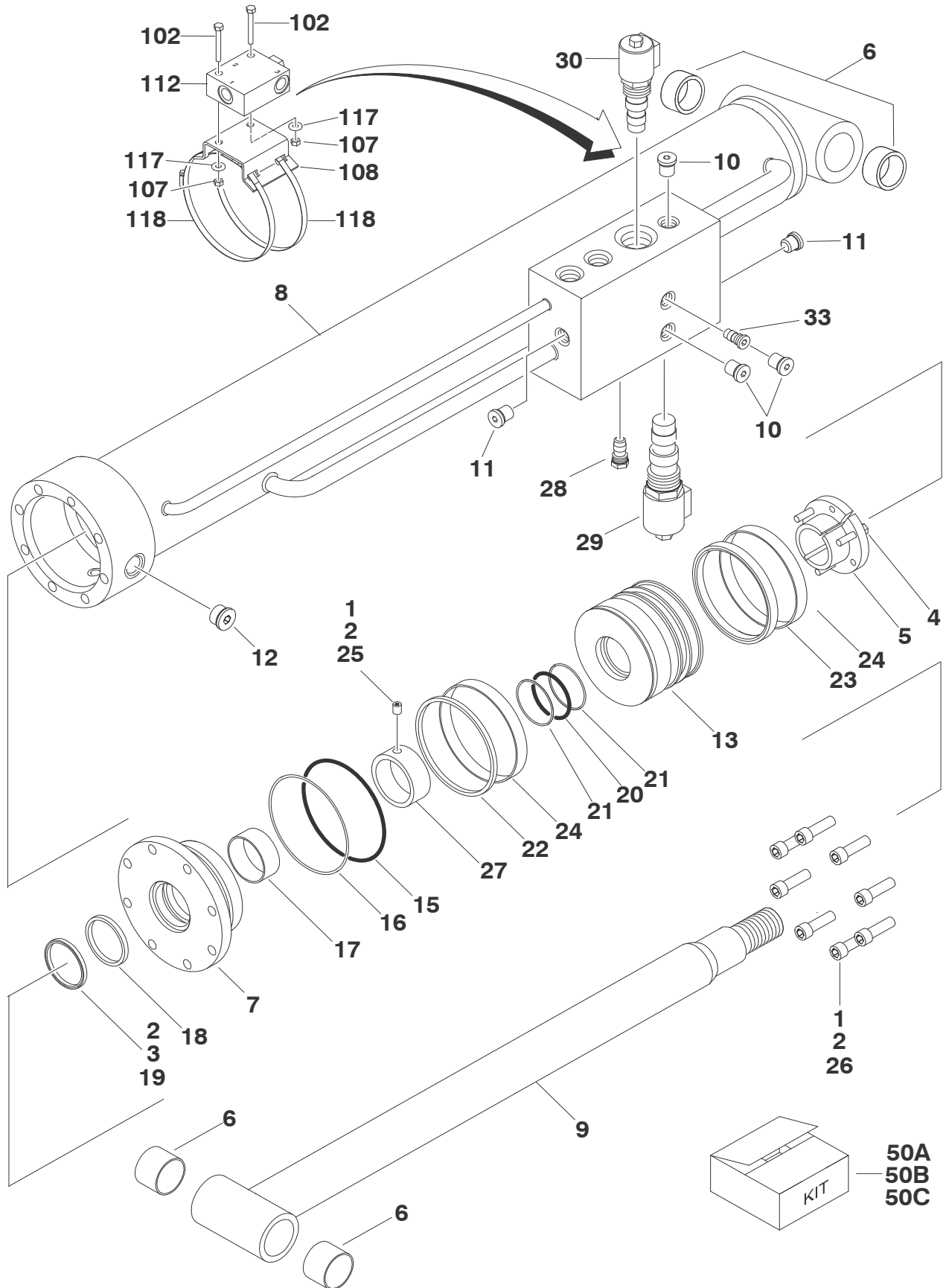


FIGURE 5-3. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	MAIN LIFT CYLINDER ASSEMBLY	
	1684042	Ref	800S - Prior to SN 0300066889	F
	1684199	Ref	800S - SN 0300066889 to SN 0300140000	E
	1684124	Ref	860SJ - Prior to SN 0300066889	D
	1684202	Ref	860SJ - SN 0300066889 to SN 0300140000	F
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0100063	AR	Loctite #RC 609 (Prior to SN 0300110961)	
4	0630536	3	Bolt	
5	0961898	1	Bushing, Tapered	
6	0962033	4	Bushing	
7	1683818	1	Head	
8		1	Barrel Weldment Options:	
	1684078		1684042 Cylinder	
	1684198		1684199/1684202 Cylinder	
	1684184		1684124 Cylinder	
9		1	Rod Weldment Options:	
	1684080		1684042/1684199 Cylinder	
	1684123		1684124/1684202 Cylinder	
10	2220883	5	Plug, O-Ring	
11	2220885	2	Plug, O-Ring	
12	2220888	1	Plug, O-Ring	
13		1	Piston Options:	
	3480265		1684042/1684124 Cylinder	
	3480275		1684199/1684202 Cylinder	
14	Not Used			
15	See Note	1	O-Ring (Note: Use Items 50A, 50B or 50C)	
16	See Note	1	Ring, Back-up (Note: Use Items 50A, 50B or 50C)	
17	See Note	1	Ring, Wear (Note: Use Items 50A, 50B or 50C)	
18	See Note	1	Seal, Rod (Note: Use Items 50A, 50B or 50C)	
19	See Note	1	Wiper (Note: Use Items 50A, 50B or 50C)	
20	See Note	1	O-Ring (Note: Use Items 50A, 50B or 50C)	
21	See Note	2	Ring, Back-up (Note: Use Items 50A, 50B or 50C)	
22		1	Seal/Ring Options:	
	Use 2902050		Seal - 1684042/1684124 Cylinder	
	See Note		Ring, Guidelock - 1684199/1684202 Cylinder (Note: Use Items 50B or 50C)	
23	See Note	AR	Seal (Note: Use Items 50A, 50B or 50C)	
24		AR	Ring Options:	
	Use 2902050	2	Ring, Wear - 1684042/1684124 Cylinder	
	See Note	1	Ring, Guidelock - 1684199/1684202 Cylinder (Note: Use Items 50B or 50C)	
25	3900310	1	Setscrew	
26	3932240	6	Capscrew 3/4in-10NC x 2-1/2in	
27		1	Spacer, Tube Options:	
	4568240		1684042/1684199 Cylinder	
	4568273		1684124/1684202 Cylinder	

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FIGURE 5-3. LIFT CYLINDER ASSEMBLY - MAIN BOOM (CONTINUED)

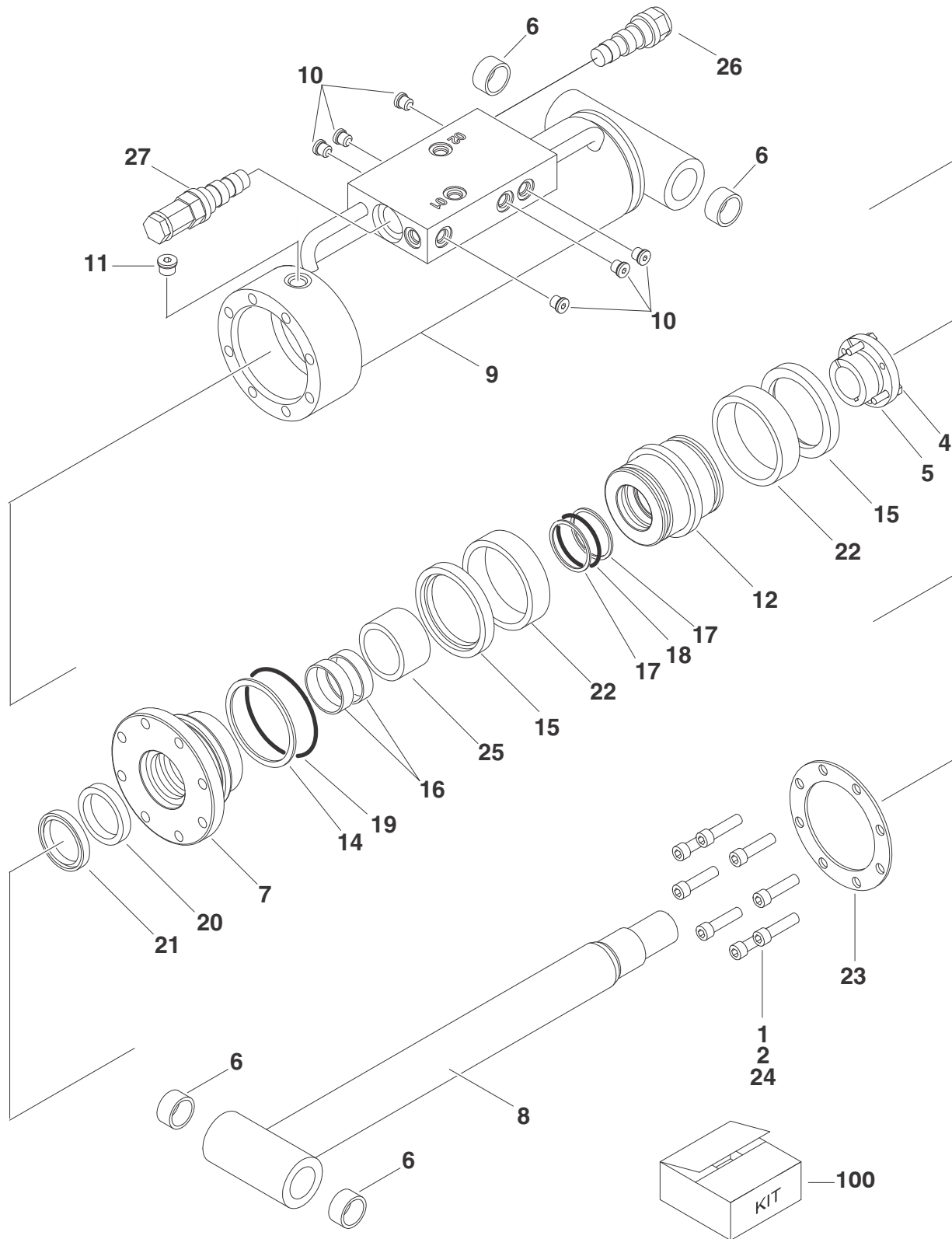
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
28	4641144	1	Cartridge, Restrictor/Check Valve	A
	7012967	1	Seal Kit - 4641144 Valve	
29	4641234	1	Cartridge, Lift Dump Proportional Solenoid	
	7023982	1	Cartridge - 4641234 Valve	
	7012925	1	Seal Kit - 4641234 Valve	
	7017451	1	Coil - 4641234 Valve	
30	4641188	1	Cartridge, Lift Holding Solenoid	
	7023923	1	Cartridge - 4641188 Valve	
	7023919	1	Seal Kit - 4641188 Valve	
	7012943	1	Coil - 4641188 Valve	
31 to 32	Not Used			
33	4641194	1	Cartridge, Relief Valve	
	7023927	1	Seal Kit - 4641194 Valve	
34 to 49	Not Used			
50		1	Seal Kit Options (Includes Items 15-24):	
50A	2902050		Seal Kit - Main Boom Lift Cylinder 1684042/1684124	
50B	2902134		Seal Kit - Main Boom Lift Cylinder 1684199/1684202 (Prior to SN 0300079435)	
50C	2901537		Seal Kit - Main Boom Lift Cylinder 1684199/1684202 (SN 0300079435 to SN 0300140000)	
	0272750	Ref	MANUAL DESCENT INSTALLATION (OPTIONAL) (SN 0300068651 TO SN 0300140000)	
101	Not Used			
102	0641514	2	Bolt 5/16in-18NC x 1-3/4in	
103 to 106	Not Used			
107	3311505	2	Locknut 5/16in-18NC	
108	3574172	1	Plate, Valve Mounting	
109 to 111	Not Used			
112	4640673	1	Valve, Check	
	7011325	1	Cartridge, Valve Check	
113 to 116	Not Used			
117	4751500	2	Flatwasher 5/16in Regular	
118	1320315	2	Clamp	

FIGURE 5-3. LIFT CYLINDER ASSEMBLY - MAIN BOOM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 5-4. LEVEL CYLINDER ASSEMBLY - PLATFORM



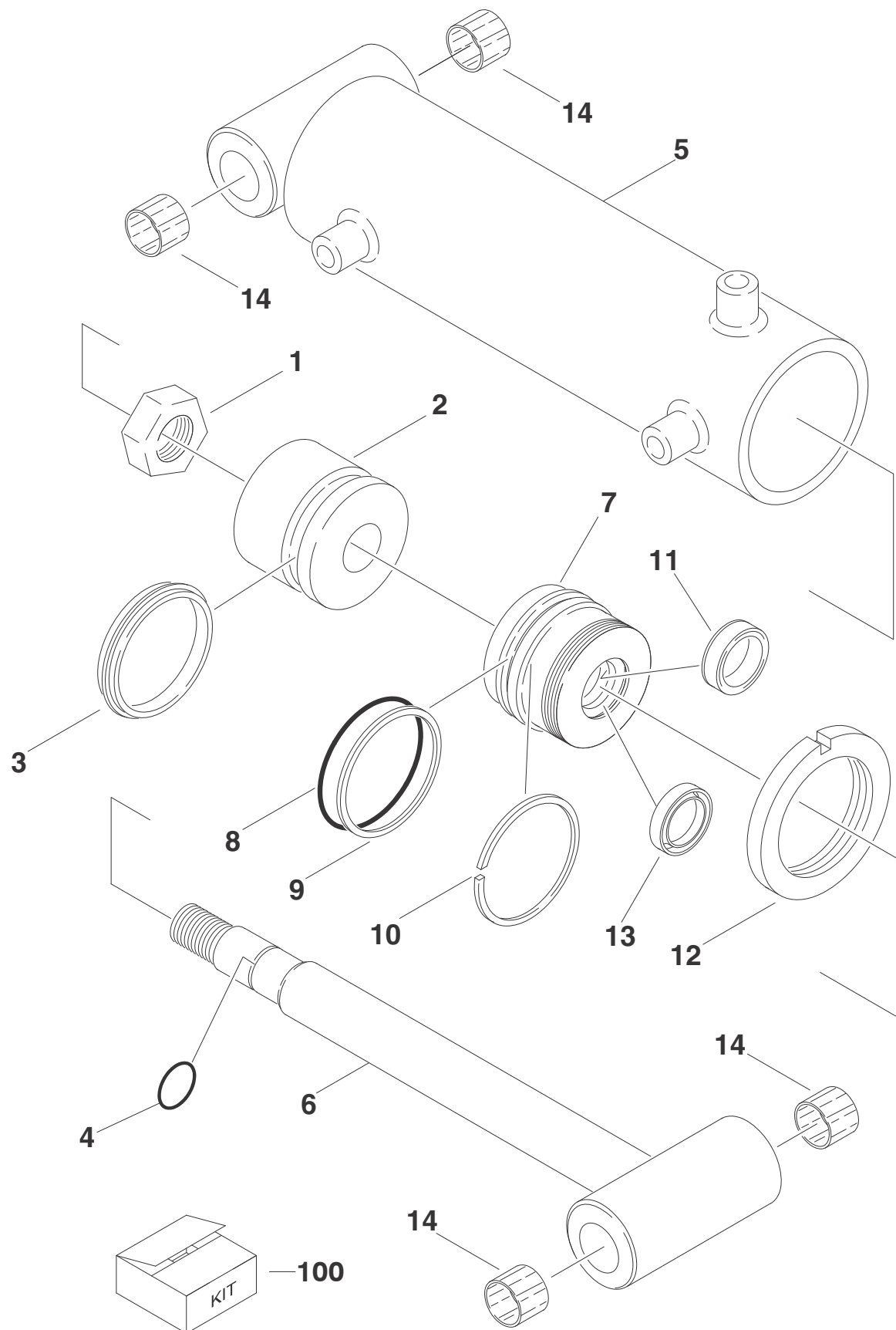
SECTION 5 CYLINDER

FIGURE 5-4. LEVEL CYLINDER ASSEMBLY - PLATFORM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SLAVE CYLINDER ASSEMBLIES:	
	1684189	Ref	800S	C
	1684136	Ref	860SJ	D
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0100063	AR	Loctite #RC 609	
4	0630535	3	Capscrew, Socket Head 1/4in-20NC x 1in	
5	0961894	1	Bushing, Tapered	
6		4	Bushing Options:	
	0961947		800S	
	0961948		860SJ	
7	1683059	1	Head	
8		1	Rod Options:	
	1683976		800S (Note: Includes Item 6)	
	1684133		860SJ (Note: Item 6 not included - Purchase Separately)	
9		1	Barrel Options:	
	1684188		800S (Note: Includes Item 6)	
	1684135		860SJ (Note: Item 6 not included - Purchase Separately)	
10	2220883	10	Plug	
11	2220885	1	Plug	
12	3480267	1	Piston	
13	Not Used			
14	Use 2902061	1	Ring, Back-up	
15	Use 2902061	2	Ring, Lock	
16	Use 2902061	2	Ring, Wear	
17	Use 2902061	2	Ring, Back-up	
18	Use 2902061	1	O-Ring	
19	Use 2902061	1	O-Ring	
20	Use 2902061	1	Seal	
21	Use 2902061	1	Wiper	
22	Use 2902061	2	Seal	
23	3760369	1	Ring, Washer	
24	3931620	8	Capscrew 3/8in-16NC x 1-1/4in	
25		1	Spacer, Tube Options:	
	4568402		800S	
	4566468		860SJ	
26	4641232	1	Valve, Cartridge	
	7011112	1	Seal Kit - 4641232 Valve	
27	4640932	1	Valve, Cartridge	
	7011112	1	Seal Kit - 4640932 Valve	
28 to 99	Not Used			
100	2902061	1	Seal Kit Options (Includes Items 14-22)	

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FIGURE 5-5. STEER CYLINDER ASSEMBLY



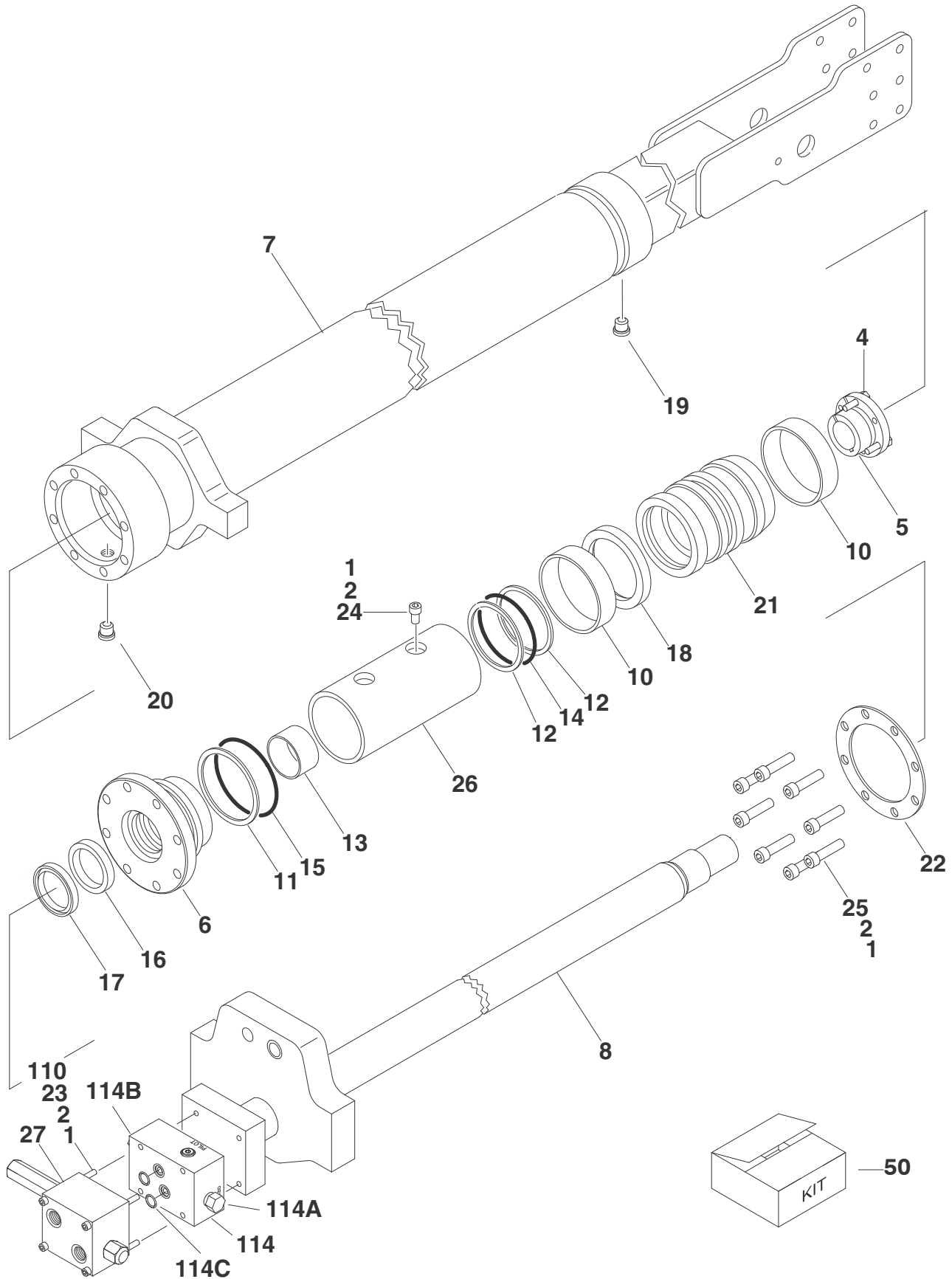
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FIGURE 5-5. STEER CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683740	Ref	STEER CYLINDER ASSEMBLY	B
1	7017210	1	Locknut	
2	7017211	1	Piston	
3	Use 7017215	1	Seal	
4	Use 7017215	1	O-Ring	
5	7023023	1	Barrel Weldment	
6	7017236	1	Rod Weldment	
7	7017213	1	Head	
8	Use 7017215	1	O-Ring	
9	Use 7017215	1	Ring, Back-up	
10	Use 7017215	1	Ring, Retainer	
11	Use 7017215	1	Seal	
12	7017214	1	Nut, Spanner	
13	Use 7017215	1	Wiper	
14	0961977	4	Bushings	
15 to 99	Not Used			
100	7017215	1	Seal Kit (Includes Items 3, 4, 8-11 & 13)	

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FIGURE 5-6. TELESCOPE CYLINDER ASSEMBLY



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FIGURE 5-6. TELESCOPE CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TELESCOPE CYLINDER ASSEMBLY	
	1684041	Ref	800S	E
	1684043	Ref	860SJ	F
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	Not Used			
4	0630535	3	Bolt 1/4in-20NC x 1-1/8in	
5	0961897	1	Bushing, Tapered	
6	1683077	1	Head	
7		1	Barrel Options:	
	1684049		800S	
	1684045		860SJ	
8		1	Rod Options:	
	1684050		800S (Prior to SN 0300071018)	
	1684267		800S (SN 0300071018 to SN 0300140000)	
	1684046		860SJ (Prior to SN 0300071018)	
	1684269		860SJ (SN 0300071018 to SN 0300140000)	
9	Not Used			
10	Use 2901554	2	Ring, Wear	
11	Use 2901554	1	Ring, Back-up	
12	Use 2901554	2	Ring, Back-up	
13	Use 2901554	1	Ring, Wear	
14	Use 2901554	1	O-Ring	
15	Use 2901554	1	O-Ring	
16	Use 2901554	1	Seal, Rod	
17	Use 2901554	1	Wiper	
18	Use 2901554	1	T-Seal	
19	2220885	1	Plug, O-Ring	
20	2220886	2	Plug, O-Ring	
21	3480266	1	Piston	
22		1	Ring, Washer Options:	
	3760370		Prior to SN 0300137483	
	1001108958		SN 0300137483 to SN 0300140000	
23	3931448	4	Capscrew 1/4in-20NC x 3in	
24	3931508	1	Capscrew 5/16in-18NC x 1/2in	
25	3931724	8	Capscrew 7/16in-14NC x 1-1/2in	
26		1	Spacer, Tube	
	4568264		800S	
	4568282		860SJ	
27	4641033	1	Valve Assembly Options: (No serviceable parts - sold as assembly only)	
	7024508	2	O-Ring (Not Shown - Located between valve and cylinder.)	
28 to 49	Not Used			
50	2901554	1	Seal Kit (Includes Items 10-18)	

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FIGURE 5-6. TELESCOPE CYLINDER ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0272750	Ref	MANUAL DESCENT INSTALLATION (SN 0300068651 TO SN 0300140000)	A
101 to 109	Not Used			
110	3931480	4	Capscrew 1/4in-20NC x 5in	
111 to 113	Not Used			
114	4641262	1	Valve, Assembly (Manual Descent)	
114A	7026015	1	Cartridge	
	7026004	1	Seal Kit - 7026015 Cartridge	
114B	7026016	1	Cartridge	
	7011346	1	Seal Kit - 7026016 Cartridge	
114C	3790112	2	O-Ring	

SECTION 6

HYDRAULIC

SECTION 6 HYDRAULIC

FIGURE 6-1. AXLE LOCKOUT HYDRAULIC DIAGRAM

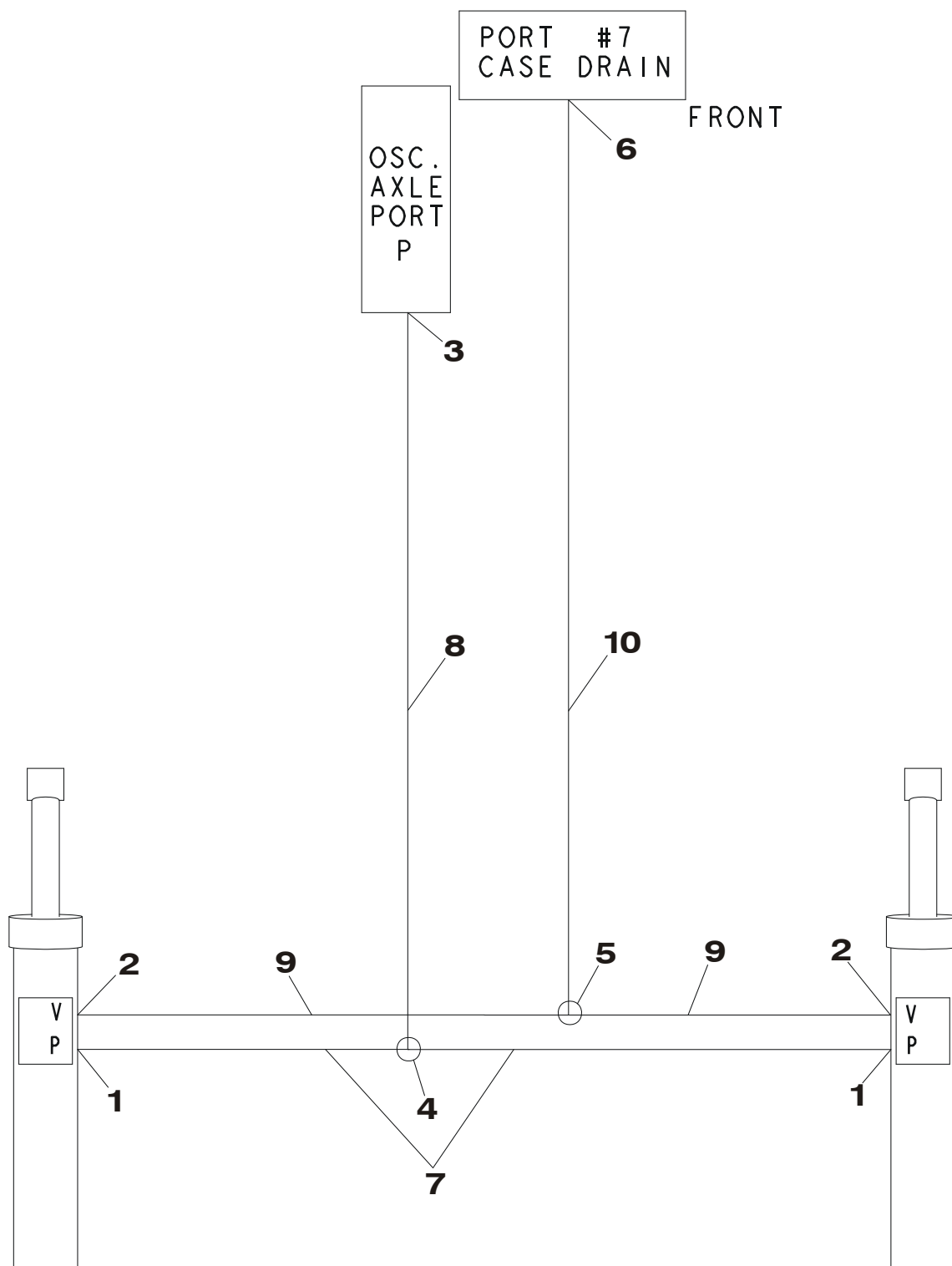


FIGURE 6-1. AXLE LOCKOUT HYDRAULIC DIAGRAM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	AXLE LOCKOUT HYDRAULIC DIAGRAM	
	2792502	Ref	Prior to SN 0300083331	3/J
	2792648	Ref	SN 0300083331 to SN 0300140000	3/K
1		2	Fitting, Straight Options: Prior to SN 0300083331 SN 0300083331 to SN 0300140000	
	2110404			
	2110406			
2	2110606	2	Fitting, Straight	
3	2110408	1	Fitting, Straight	
4	2170504	1	Fitting, Tee	
5	2170506	1	Fitting, Tee	
6		1	Fitting Options: Straight Fitting - Prior to SN 0300083331 Tee Fitting - SN 0300083331 to SN 0300097959	
	2110404			
	2170406			
7	2753629	2	Hose	
8	2753630	1	Hose	
9	2753624	2	Hose	
10	2753627	1	Hose	

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FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD (PRIOR TO SN 0300083331)

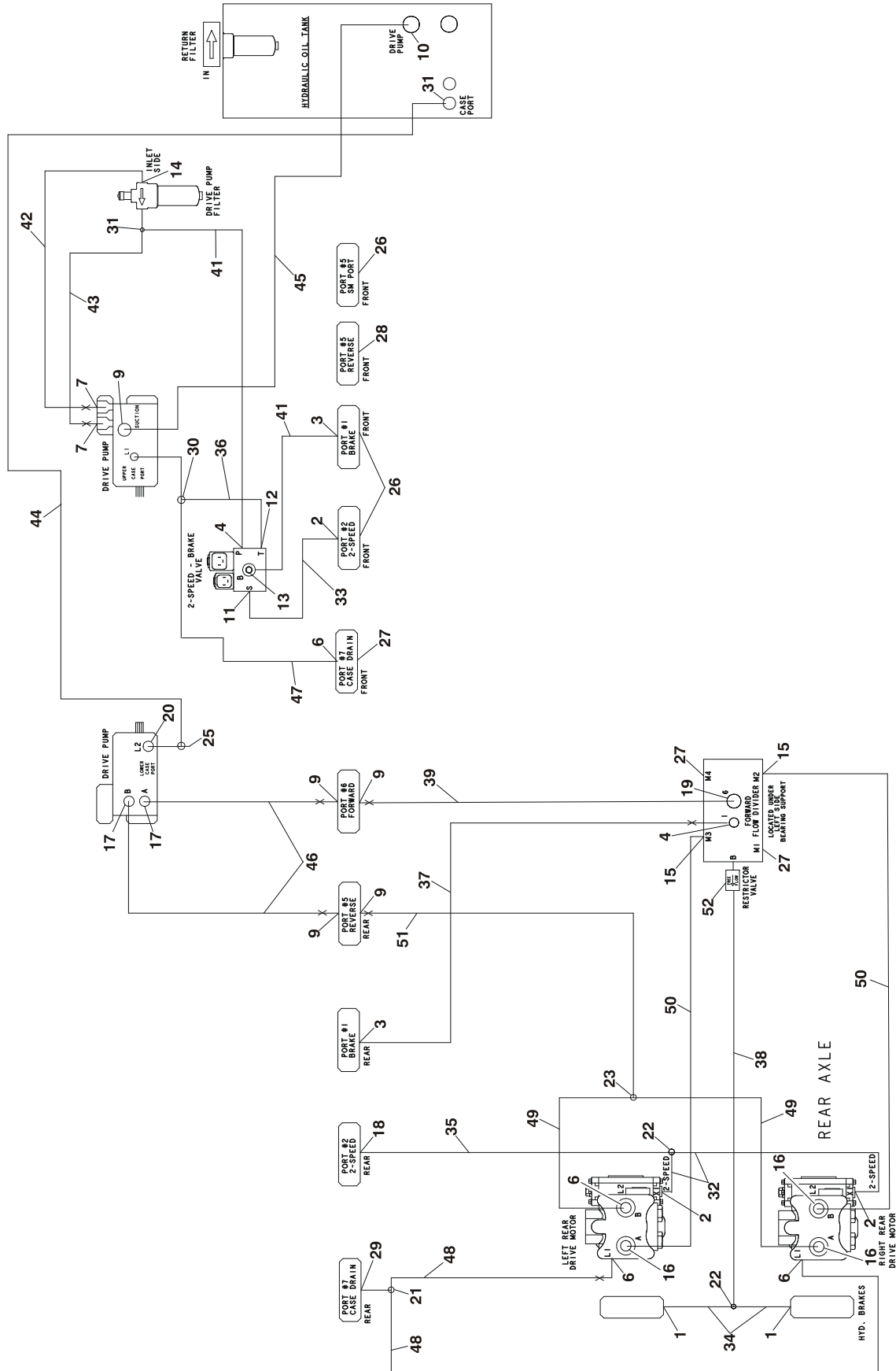


FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD (PRIOR TO SN 0300083331)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792465	Ref	DRIVE HYDRAULIC DIAGRAM - 2WD	6/J
1	2110404	2	Fitting, Straight	
2	2110406	3	Fitting, Straight	
3	2110806	2	Fitting, Straight	
4	2110808	2	Fitting, Straight	
5	Not Used			
6	2110812	3	Fitting, Straight	
7	2111010	2	Fitting, Straight	
8	Not Used			
9	2111616	5	Fitting, Straight	
10	2111620	1	Fitting, Straight	
11	2130404	1	Fitting, Elbow	
12	2130604	1	Fitting, Elbow	
13	2130808	1	Fitting, Elbow	
14	2131012	1	Fitting, Elbow	
15	2131212	2	Fitting, Elbow	
16	2131216	4	Fitting, Elbow	
17	2131616	2	Fitting, Elbow	
18	2150406	1	Fitting, Elbow	
19	2151616	1	Fitting, Elbow	
20	2170312	1	Fitting, Tee	
21	2170408	1	Fitting, Tee	
22	2170504	2	Fitting, Tee	
23	2170516	1	Fitting, Tee	
24	Not Used			
25	2170912	1	Fitting, Cap	
26	2220237	3	Fitting, Plug	
27	2220240	3	Fitting, Plug	
28	2220242	1	Fitting, Plug	
29	2220811	1	Fitting, Reducer	
30	2221084	1	Fitting, Tee	
31	2221088	2	Fitting, Tee	
32	2753709	2	Hose	
33	2753540	1	Hose	
34	2753725	2	Hose	
35	3753550	1	Hose	
36	2753575	1	Hose	
37	2753582	1	Hose	
38	2753621	1	Hose	
39	2753635	1	Hose	
40	Not Used			
41	2753659	2	Hose	
42	2753660	1	Hose	
43	2753661	1	Hose	
44	2753664	1	Hose	
45		1	Hose Options:	
	2753666		Prior to SN 0300066054	
	2753807		SN 0300066054 to SN 0300083331	

SECTION 6 HYDRAULIC

FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD (PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
46	2753667	2	Hose	
47	2753685	1	Hose	
48	2753652	2	Hose	
49	2753687	2	Hose	
50	2753688	2	Hose	
51	2753689	1	Hose	
52	4641198	1	Valve, Check	

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FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD (PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

6-8

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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE HYDRAULIC DIAGRAM - 2WD	
	2792651	Ref	SN 0300083331 to SN 0300087262	3/D
	2792714	Ref	SN 0300087262 to SN 0300140000	6/K
1	2110404	2	Fitting, Straight	
2	2110406	3	Fitting, Straight	
3	2110408	2	Fitting, Straight	
4	2110808	1	Fitting, Straight	
5	2110606	3	Fitting, Straight	
6	2110812	3	Fitting, Straight	
7	Not Used			
8	2111212	6	Fitting, Straight	
9	2111616	4	Fitting, Straight	
10	2111620	1	Fitting, Straight	
11	2130404	3	Fitting, Elbow	
12		1	Fitting Options:	
	2130606		Fitting, Elbow (SN 0300085466 to SN 0300097959)	
	2170406		Fitting, Tee (SN 0300097959 to SN 0300140000)	
13		1	Fitting Options:	
	2111616		Fitting, Straight (SN 0300083331 to SN 0300087262)	
	2151616		Fitting, Elbow (SN 0300087262 to SN 0300140000)	
14		1	Fitting, Elbow Options:	
	2131012		SN 0300083331 to SN 0300087262	
	2131008		SN 0300087262 to SN 0300140000	
15 to 17	Not Used			
18	2150406	1	Fitting, Elbow	
19 to 20	Not Used			
21	2170508	1	Fitting, Tee	
22	2170504	2	Fitting, Tee	
23	2221183	1	Fitting, Reducer	
24	2221088	2	Fitting, Tee	
25	Not Used			
26	2220237	1	Fitting, Plug	
27	Not Used			
28	2170516	1	Fitting, Tee	
29	Not Used			
30	2221084	1	Fitting, Tee (SN 0300083331 to SN 0300085466)	
31	2170204	1	Fitting, Elbow	
32		2	Hose Options:	
	2753709		SN 0300083331 to SN 0300085466	
	2754401		SN 0300085466 to SN 0300140000	
33	2753540	2	Hose	
34	2753725	2	Hose	
35	3753550	1	Hose	
36	2753935	1	Hose	
37	Not Used			
38	2753622	1	Hose	
39	2753635	1	Hose	

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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
40	2754245 2753685	1	Hose Options: SN 0300083331 to SN 0300085466 SN 0300085466 to SN 0300140000	C
41	2753555 1001095307	1	Hose Options: SN 0300083331 to SN 0300109493 SN 0300109493 to SN 0300140000	
42	2753582 1001095308	1	Hose Options: SN 0300083331 to SN 0300109493 SN 0300109493 to SN 0300140000	
43	2753661 2753661	1	Hose Options: SN 0300083331 to SN 0300097959 SN 0300097959 to SN 0300140000	
44	2753664	1	Hose	
45	2753807	1	Hose	
46	2753667	2	Hose	
47	2754242	1	Hose	
48	2754240	2	Hose	
49	2754238	2	Hose	
50	2754238 2753688	2	Hose Options: SN 0300083331 to SN 0300085466 SN 0300085466 to SN 0300140000	
51	2754239 2754402	1	Hose Options: SN 0300083331 to SN 0300085466 SN 0300085466 to SN 0300140000	
52	2754242	1	Hose	
53	2754243	1	Hose	
54	Not Used			
55	2170308	1	Fitting, Straight (SN 0300097959 to SN 0300140000)	
	3600410	Ref	PISTON PUMP ASSEMBLY	
101	2111010	1	Fitting, Straight	
102	2111616	1	Fitting, Straight	
103	2131212	1	Fitting, Elbow	
104	2131616	2	Fitting, Elbow	
105	2110408	1	Fitting, Straight	
106	Not Used			
107	2220811	1	Fitting, Reducer	
108	2110810	1	Fitting, Straight	

SECTION 6 HYDRAULIC

FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD (PRIOR TO SN 0300083331)

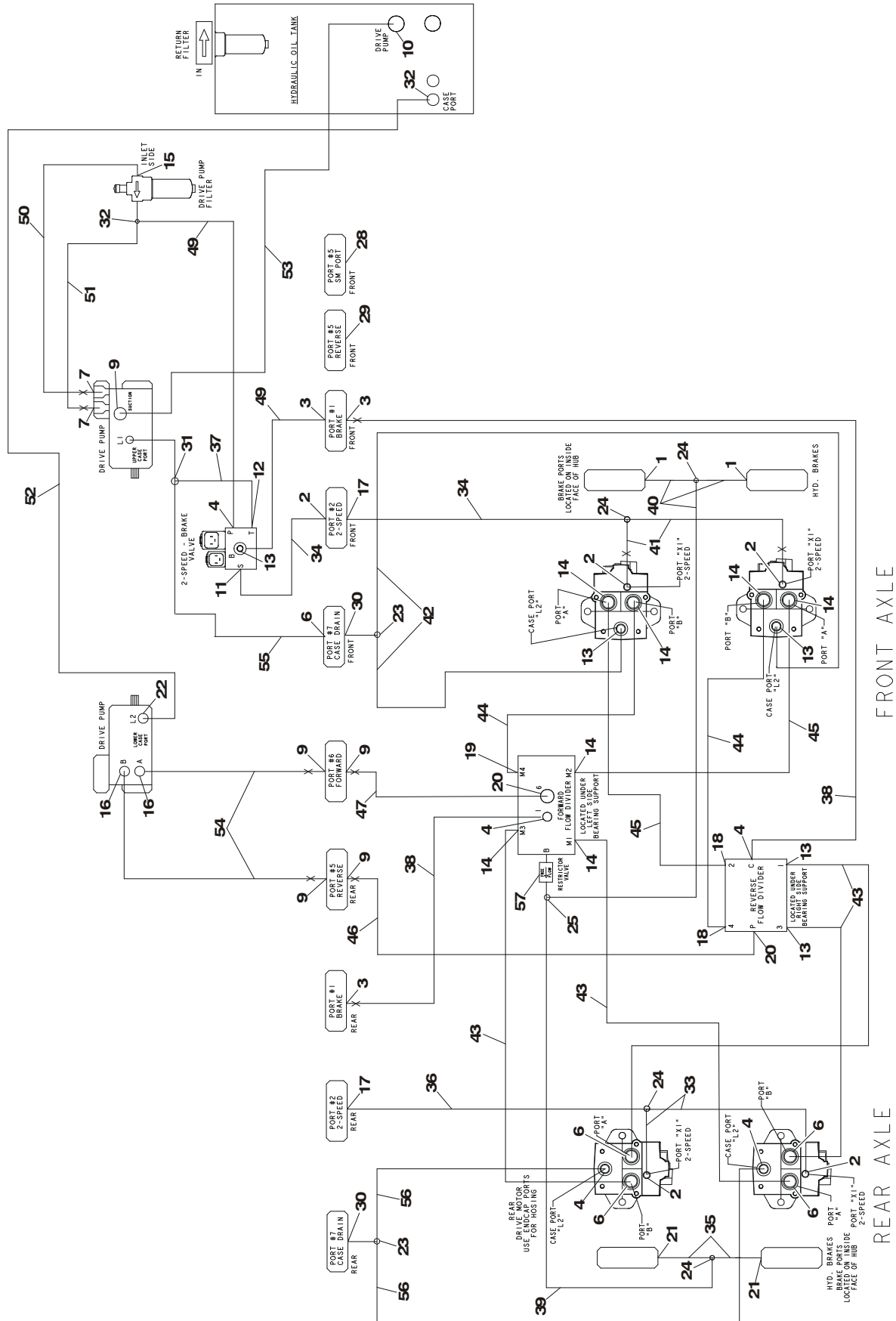


FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD (PRIOR TO SN 0300083331)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792466	Ref	DRIVE HYDRAULIC DIAGRAM - 4WD	8/K
1	2110404	2	Fitting, Straight	
2	2110406	5	Fitting, Straight	
3	2110806	3	Fitting, Straight	
4	2110808	5	Fitting, Straight	
5	Not Used			
6	2110812	5	Fitting, Straight	
7	2111010	2	Fitting, Straight	
8	Not Used			
9	2111616	5	Fitting, Straight	
10	2111620	1	Fitting, Straight	
11	2130404	1	Fitting, Elbow	
12	2130604	1	Fitting, Elbow	
13	2130808	5	Fitting, Elbow	
14	2130812	7	Fitting, Elbow	
15	2131012	1	Fitting, Elbow	
16	2131616	2	Fitting, Elbow	
17	2150406	2	Fitting, Elbow	
18	2150808	2	Fitting, Elbow	
19	2150812	1	Fitting, Elbow	
20	2151616	2	Fitting, Elbow	
21	2170104	2	Fitting, Long Straight	
22	2170312	1	Fitting, Tee	
23	2170408	2	Fitting, Tee	
24	2170504	4	Fitting, Tee	
25	2170704	1	Fitting, Tee	
26	Not Used			
27	2170912	1	Fitting, Cap	
28	2220237	1	Fitting, Plug	
29	2220242	1	Fitting, Plug	
30	2220811	2	Fitting, Reducer	
31	2221084	1	Fitting, Tee	
32	2221088	2	Fitting, Tee	
33		2	Hose Options: Prior to SN 0300072376 SN 0300072376 to SN 0300083331	
34	2753537			
35	2754401			
36	2753540	2	Hose	
37	2753546	2	Hose	
38	3753550	1	Hose	
39	2753575	1	Hose	
40	2753582	2	Hose	
41	2753621	1	Hose	
42	2753622	3	Hose	
43	2753623	2	Hose	
44	2753628	2	Hose	
45	2753631	4	Hose	
	2753632	2	Hose	
	Use 2754040	2	Hose (was p/n 2753633)	

SECTION 6 HYDRAULIC

FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD (PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
46	2753634	1	Hose	
47	2753635	1	Hose	
48	Not Used			
49	2753659	2	Hose	
50	2753660	1	Hose	
51	2753661	1	Hose	
52	2753664	1	Hose	
53		1	Hose Options:	
	2753666		Prior to SN 0300066054	
	2753807		SN 0300066054 to SN 0300083331	
54	2753667	2	Hose	
55	2753685	1	Hose	
56	2753686	2	Hose	
57	4641198	1	Valve, Check	

SECTION 6 HYDRAULIC

FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD (PRIOR TO SN 0300083331) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

6-16

800S 860SJ



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FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE HYDRAULIC DIAGRAM - 4WD	
	2792652	Ref	SN 0300083331 to SN 0300087262	4/C
	2792713	Ref	SN 0300087262 to SN 0300140000	7/K
	2792770	Ref	With Arctic Package	4/B
1	2110406	3	Fitting, Straight	
2	2110408	1	Fitting, Straight	
3	2110808	6	Fitting, Straight	
4	2110404	2	Fitting, Straight	
5	2110812	5	Fitting, Straight	
6	Not Used			
7	2111616	4	Fitting, Straight	
8	2111620	1	Fitting, Straight	
9	2130404	5	Fitting, Elbow	
10	2130604	1	Fitting, Elbow	
11	2130406	2	Fitting, Elbow	
12	2151616	1	Fitting, Elbow	
13	2130808	6	Fitting, Elbow	
14		1	Fitting, Elbow Options:	
	2131012		SN 0300083331 to SN 0300087262	
	2131008		SN 0300087262 to SN 0300140000	
15	2131616	1	Fitting, Elbow	
16	Not Used			
17	2150406	2	Fitting, Elbow	
18		4	Fitting, Elbow Options:	
	2150812		Prior to SN 0300138515	
	2150808		SN 0300138515 to SN 0300140000	
19	2170408	2	Fitting, Tee	
20	2170504	4	Fitting, Tee	
21	2170350	1	Fitting, Tee	
22	2220237	1	Fitting, Plug	
23	2221183	1	Fitting, Reducer	
24	2221088	AR	Fitting, Tee	
25	2220591	1	Fitting, Reducer	
26	2170708	1	Fitting, Tee	
27	Not Used			
28	2753540	3	Hose	
29		2	Hose Options:	
	2753546		Without Arctic Package (SN 0300083331 to SN 0300087262)	
	2753549		Without Arctic Package (SN 0300087262 to SN 0300140000)	
	Use 2754718		With Arctic Package (SN 0300083331 to SN 0300107594) (was p/n 2754994)	
	2754718		With Arctic Package (SN 0300107594 to SN 0300140000)	
30	2130204	1	Fitting, Elbow	
31	2754401	2	Hose	
32	2753550	1	Hose	
33	2754337	2	Hose	

SECTION 6 HYDRAULIC

FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34	2754044	1	Hose	
35	2753622 Use 2754719	3	Hose Options: Without Arctic Package With Arctic Package (SN 0300083331 to SN 0300107594) (was p/n 2754995) With Arctic Package (SN 0300107594 to SN 0300140000)	
36	2753935	1	Hose	
37	2753626	1	Hose	
38	2753555 1001095307	1	Hose Options: SN 0300083331 to SN 0300109493 SN 0300109493 to SN 0300140000	
39	2753685	1	Hose	
40	2753686	2	Hose	
41	2753628 Use 2754720	2	Hose Options: Without Arctic Package With Arctic Package (SN 0300083331 to SN 0300107594) (was p/n 2754996) With Arctic Package (SN 0300107594 to SN 0300140000)	
42	2753970 Use 2754743	3	Hose Options: Without Arctic Package With Arctic Package (SN 0300083331 to SN 0300107594) (was p/n 2754997) With Arctic Package (SN 0300107594 to SN 0300140000)	
43	2753971	3	Hose	
44	2754040 Use 2754744	1	Hose Options: Without Arctic Package With Arctic Package (SN 0300083331 to SN 0300107594) (was p/n 2754998) With Arctic Package (SN 0300107594 to SN 0300140000)	
45	2753660	1	Hose	
46	2753661 2753582 1001095308	1	Hose Options: SN 0300083331 to SN 0300097959 SN 0300097959 to SN 0300109493 SN 0300109493 to SN 0300140000	
47	2753664	1	Hose	
48	2753634	2	Hose	
49	Not Used			
50	2753667	2	Hose	
51	2753807	1	Hose	
52	2754338	1	Hose	
53	2221216 2170308	1 1	Fitting Options: Fitting, Straight (SN 0300087262 to SN 0300097959) Tee Fitting (SN 0300097959 to SN 0300140000)	
54	2131616 2111616	2	Fitting Options: Fitting, Elbow (SN 0300083331 to SN 0300097959) Fitting, Straight (SN 0300097959 to SN 0300140000)	
55	2110408 2170406	1	Fitting Options: Fitting, Straight (SN 0300083331 to SN 0300097959) Tee Fitting (SN 0300097959 to SN 0300140000)	
56	Not Used			

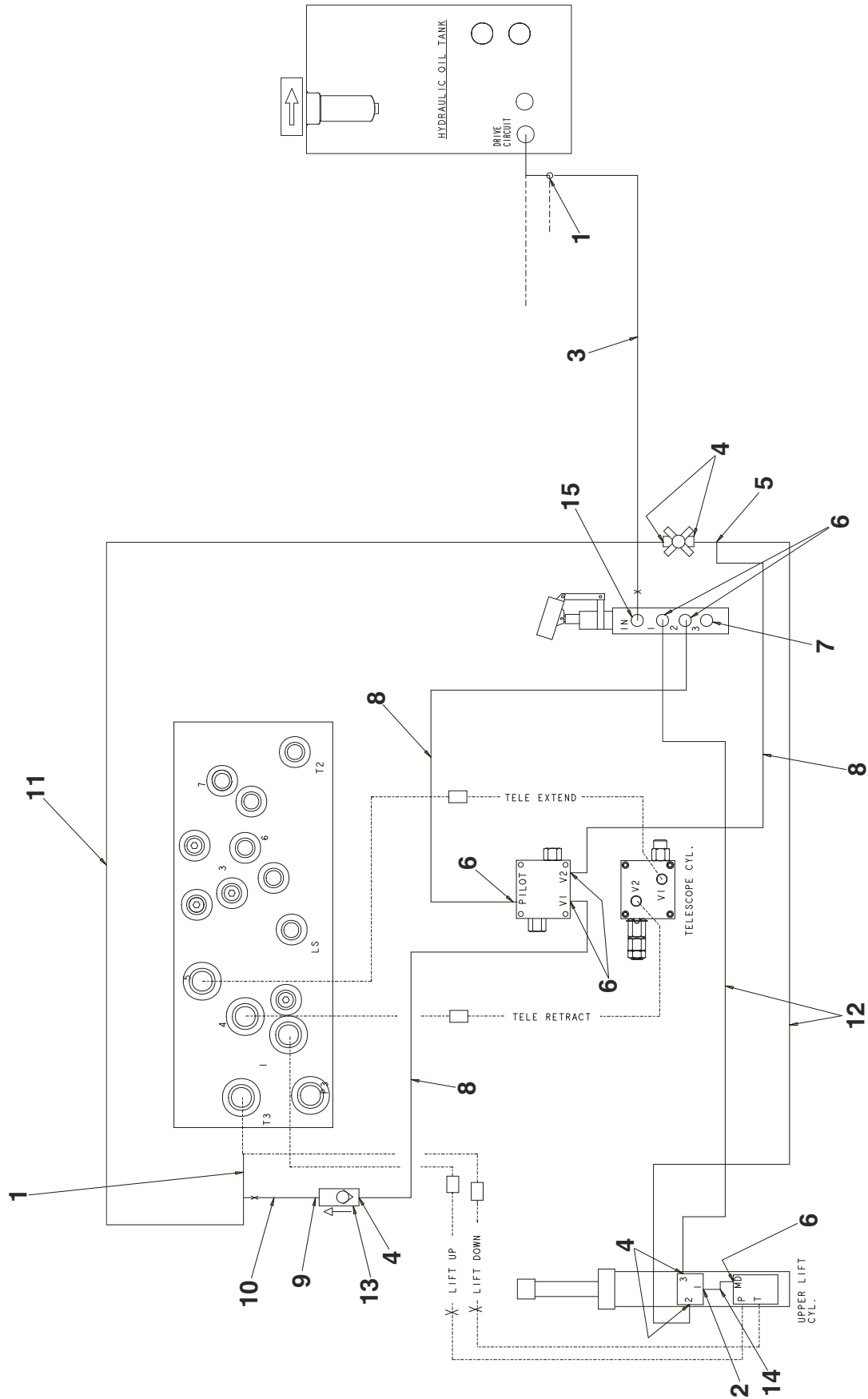
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FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD (SN 0300083331 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
57	2220811	4	Fitting, Reducer (SN 0300138515 to SN 0300140000)	C
	3600410	Ref	PISTON PUMP ASSEMBLY	
101	2111010	1	Fitting, Straight	
102	2111616	1	Fitting, Straight	
103	2131212	1	Fitting, Elbow	
104	2131616	2	Fitting, Elbow	
105	2110408	1	Fitting, Straight	
106	Not Used			
107	2220811	1	Fitting, Reducer	
108	2110810	1	Fitting, Straight	

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FIGURE 6-6. MANUAL DESCENT HYDRAULIC DIAGRAM (OPTIONAL)

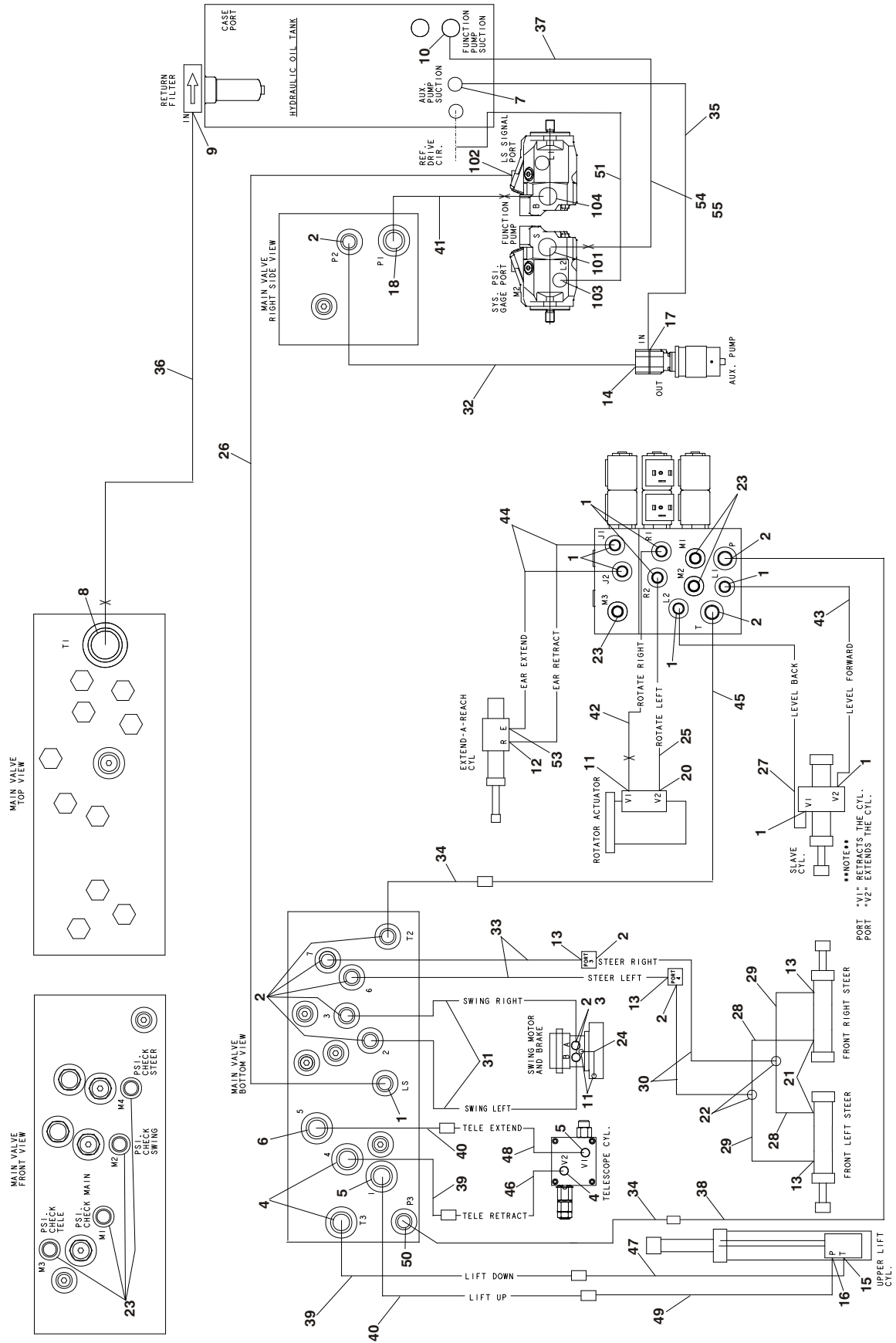


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FIGURE 6-6. MANUAL DESCENT HYDRAULIC DIAGRAM (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792597	Ref	MANUAL DESCENT HYDRAULIC DIAGRAM	A
1	2170708	2	Fitting, Tee	
2	2110406	1	Fitting	
3	2753578	1	Hose	
4	2130406	5	Fitting, Elbow	
5	2170804	1	Fitting, Tee	
6	2130404	6	Fitting, Elbow	
7	2220235	1	Fitting, Plug	
8	2753678	3	Hose	
9	2170306	1	Fitting, Tee	
10	2753895	1	Hose	
11	2753896	1	Hose	
12	2753897	2	Hose	
13	4640774	1	Valve, Check	
14	4568708	1	Tube	
15	2110604	1	Fitting	

FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM



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FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STANDARD HYDRAULIC DIAGRAM	
	2792463	Ref	800S (Prior to SN 0300083331)	8/J
	2792649	Ref	800S (SN 0300083331 to SN 0300140000)	3/K
	2792464	Ref	860SJ (Prior to SN 0300083331)	9/J
	2792650	Ref	860SJ (SN 0300083331 to SN 0300140000)	3/K
1	2110404	AR	Fitting, Straight	
2	2110606	12	Fitting, Straight	
3	2110610	2	Fitting, Straight (Prior to SN 0300066054)	
4	2110808	3	Fitting, Straight	
5	2111008	2	Fitting, Straight	
6	2111010	1	Fitting, Straight	
7	2111212	1	Fitting, Straight	
8	2111612	1	Fitting, Straight	
9	2111616	1	Fitting, Straight	
10	2112424	1	Fitting, Straight	
11	2130404	1	Fitting, Elbow	
12		1	Fitting, Elbow Options:	
	Not Required		800S	
	2130406		860SJ	
13	2130606	4	Fitting, Elbow	
14	2130608	1	Fitting, Elbow	
15	2130810	1	Fitting, Elbow	
16	2131010	1	Fitting, Elbow	
17	2131210	1	Fitting, Elbow	
18	2131212	1	Fitting, Elbow	
19	Not Used			
20	2150404	1	Fitting, Elbow	
21	2150606	2	Fitting, Elbow	
22	2170506	2	Fitting, Tee	
23	2221086	AR	Fitting, Pressure Check	
24	2753538	1	Hose (Prior to SN 0300066054)	
25	2753545	1	Hose	
26	2753622	1	Hose	
27		1	Hose Options:	
	2753622		800S	
	2753677		860SJ	
28	2753625	2	Hose	
29	2753626	2	Hose	
30	2753627	2	Hose	
31	2753653	2	Hose	
32	2753654	1	Hose	
33	2753656	2	Hose	
34	2753657	2	Hose	
35	2753662	1	Hose	
36	2753665	1	Hose	
37		1	Hose Options:	
	2753668		Prior to SN 0300066054	
	2753808		SN 0300066054 to SN 0300140000	

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FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
38	2753693	1	Hose Options: 800S	A
	2753692		860SJ	
39	2753670	2	Hose	
40	2753671	2	Hose	
41	2753672	1	Hose	
42	2753674	1	Hose	
43		1	Hose Options:	
	2753675		800S	
	2753678		860SJ	
44		AR	Hose Options:	
	Not Required	0	800S	
	2753676	2	860SJ	
45		1	Hose Options:	
	2753679		800S	
	2753680		860SJ	
46	2753681	1	Hose	
47	2753682	1	Hose	
48	2753683	1	Hose	
49	2753684	1	Hose	
50	2110608	1	Fitting, Straight	
51		1	Hose Options:	
	2753658		Prior to SN 0300066054	
	2753590		SN 0300066054 to SN 0300140000	
52	2753576	1	Hose (Prior to SN 0300069206)	
53		1	Fitting, Elbow Options:	
	Not Required		800S	
	2180829		860SJ (SN 0300066054 to SN 0300140000)	
54	4061032	1	Hose Guard (SN 0300067077 to SN 0300140000)	
55	4240018	3	Tie Strap (SN 0300067077 to SN 0300140000)	
	2902460	1	Hose Kit - 800S (Includes Items 26, 38, 42, 43 & 45)	
	2902461	1	Hose Kit - 800S/860SJ (Includes Items 34, 39, 40, 47 & 49)	
	2902462	1	Hose Kit - 860SJ (Includes Items 27, 38 & 42-45)	
	3600411	Ref	LOAD SENSING PUMP AND FITTING ASSEMBLY	
101	2112424	1	Fitting, Straight	
102	2130404	1	Fitting, Elbow	
103	2130810	1	Fitting, Elbow	
104	2131216	1	Fitting, Elbow	

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FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-8. HYDRAULIC DIAGRAM LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Note: Diagrams with asterisk (*) are shown in the preceding pages. Information on diagrams not shown are available from JLG Service/Parts Departments.	Ref
	2792502/1283242*	Ref	Axle Lockout Hydraulic Diagram	
	2792648/1283387*	Ref	Prior to SN 0300083331	
		Ref	SN 0300083331 to SN 0300140000	
	2792465/1283242*	Ref	Drive Hydraulic Diagrams:	
	2792651/1283387*	Ref	2WD Machines Prior to SN 0300083331	
	2792714/1283387*	Ref	2WD Machines SN 0300083331 to SN 0300087262	
	2792466/1283242*	Ref	2WD Machines SN 0300087262 to SN 0300140000	
	2792652/1283387*	Ref	4WD Machines Prior to SN 0300083331	
	2792713/1283387*	Ref	4WD Machines SN 0300083331 to SN 0300087262	
	2792770*	Ref	4WD Machines SN 0300087262 to SN 0300140000	
		Ref	4WD Machines With Arctic Package	
	2792597*	Ref	Manual Descent Hydraulic Diagram (Optional)	
	2792497/1283242	Ref	Hydraulic Welder Schematic	
	4641237	1	Valve, Check	
		Ref	Oil Cooler Hydraulic Diagrams:	
		Ref	Deutz Engine Machines	
	0271938/1282665	Ref	Prior to SN 0300137667	
	1001108703	Ref	SN 0300137667 to SN 0300140000	
	0271939/1283309	Ref	Ford/GM Engine Machines	
	2792463/1283242*	Ref	Standard Hydraulic Diagrams:	
	2792649/1283387*	Ref	800S Prior to SN 0300083331	
	2792464/1283242*	Ref	800S SN 0300083331 to SN 0300140000	
	2792650/1283387*	Ref	860SJ Prior to SN 0300083331	
		Ref	860SJ SN 0300083331 to SN 0300140000	
	2792495	Ref	Standard Hydraulic Schematic	
	2792678	Ref	Prior to SN 0300083331	
		Ref	SN 0300083331 to SN 0300140000	
	2792503/1283242	Ref	Tow Hydraulic Diagram	
	2792653/1283387	Ref	Prior to SN 0300083331	
		Ref	SN 0300083331 to SN 0300140000	

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FIGURE 7-1. ELECTRICAL DIAGRAM LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	4933243	Ref	ADE SYSTEM POWER-DOWN ELECTRICAL DIAGRAM	
	0257157/1282571	Ref	ETHER START ELECTRICAL DIAGRAM	
		Ref	GENERATOR ELECTRICAL DIAGRAM	
		Ref	2500W Generators (50Hz)	
	4933215	Ref	ANSI Export Specs (110V Generators) - Caterpillar/Deutz/ Ford Engines Only (Prior to SN 0300079612)	
	4933216	Ref	ANSI Export Specs (220V Generators) - Caterpillar/Deutz/ Ford Engines Only (Prior to SN 0300079612)	
	4933300	Ref	ANSI Export Specs - Caterpillar/Deutz (SN 0300079612 to SN 0300122915)	
	4933300	Ref	ANSI Export Specs - Caterpillar/Deutz (SN 0300079612 to SN 0300122915)	
	1001100027	Ref	ANSI Export Specs - Caterpillar/Deutz (SN 0300122915 to SN 0300129398)	
	1001112743	Ref	ANSI Export Specs - Caterpillar/Deutz (SN 0300129398 to SN 0300140000)	
		Ref	2500W Generators (60Hz)	
	4933215	Ref	ANSI Specs (110V Generators) - Caterpillar/Deutz/Ford Engines Only (Prior to SN 0300079612)	
	4933216	Ref	ANSI Specs (220V Generators) - Caterpillar/Deutz/Ford Engines Only (Prior to SN 0300079612)	
	4933300	Ref	ANSI Specs - Caterpillar/Deutz/Ford Engines Only (SN 0300079612 to SN 0300129398)	
	1001112588	Ref	ANSI Specs - Caterpillar & Deutz Engines Only (SN 0300129398 to SN 0300140000)	
	4933350	Ref	ANSI Specs - GM Engines Only	
		Ref	7500W Generators	
	4933264	Ref	Caterpillar & Deutz Engine Machines (Prior to SN 0300139080)	
	1001112586	Ref	Caterpillar & Deutz Engine Machines (SN 0300139080 to SN 0300140000)	
	4933283	Ref	Ford Engine Machines	
	4933349	Ref	GM Engine Machines	
		Ref	GLOW PLUG ELECTRICAL DIAGRAM (DEUTZ MACHINES)	
	4933189	Ref	Prior to SN 0300073336	
	4933217	Ref	SN 0300073336 to SN 0300140000	
	4933193	Ref	HYDRAULIC WELDER ELECTRICAL DIAGRAM	
		Ref	LIGHTS ELECTRICAL DIAGRAM	
	4933231	Ref	CHASSIS FLOOD LIGHTS	
	4933219	Ref	HEAD & TAIL LIGHTS	
	4933249	Ref	PLATFORM FLOOD LIGHTS	
	See Note	Ref	PLATFORM ELECTRICAL DIAGRAM (Note: Not Available)	

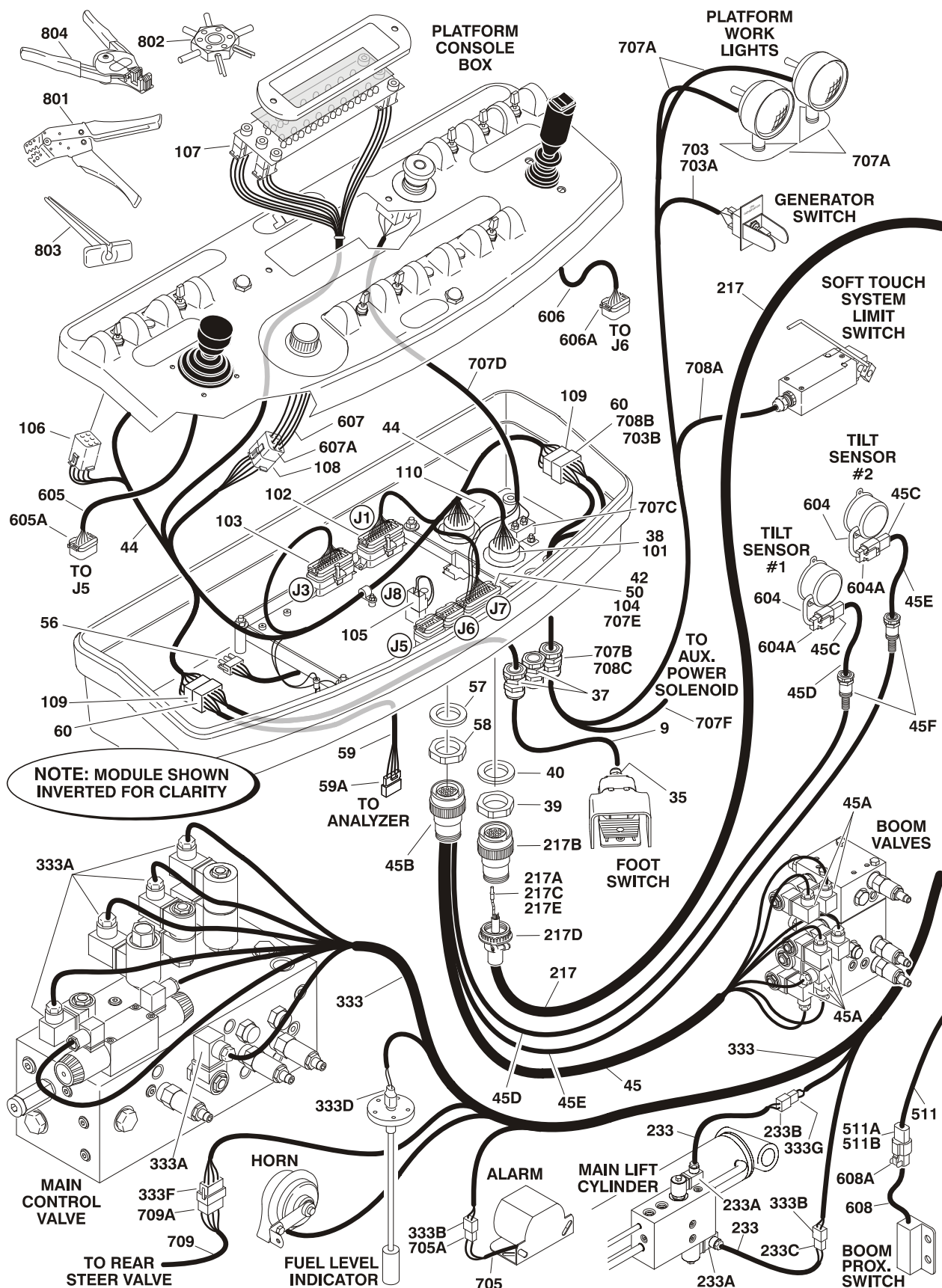
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FIGURE 7-1. ELECTRICAL DIAGRAM LIST (CONTINUED)

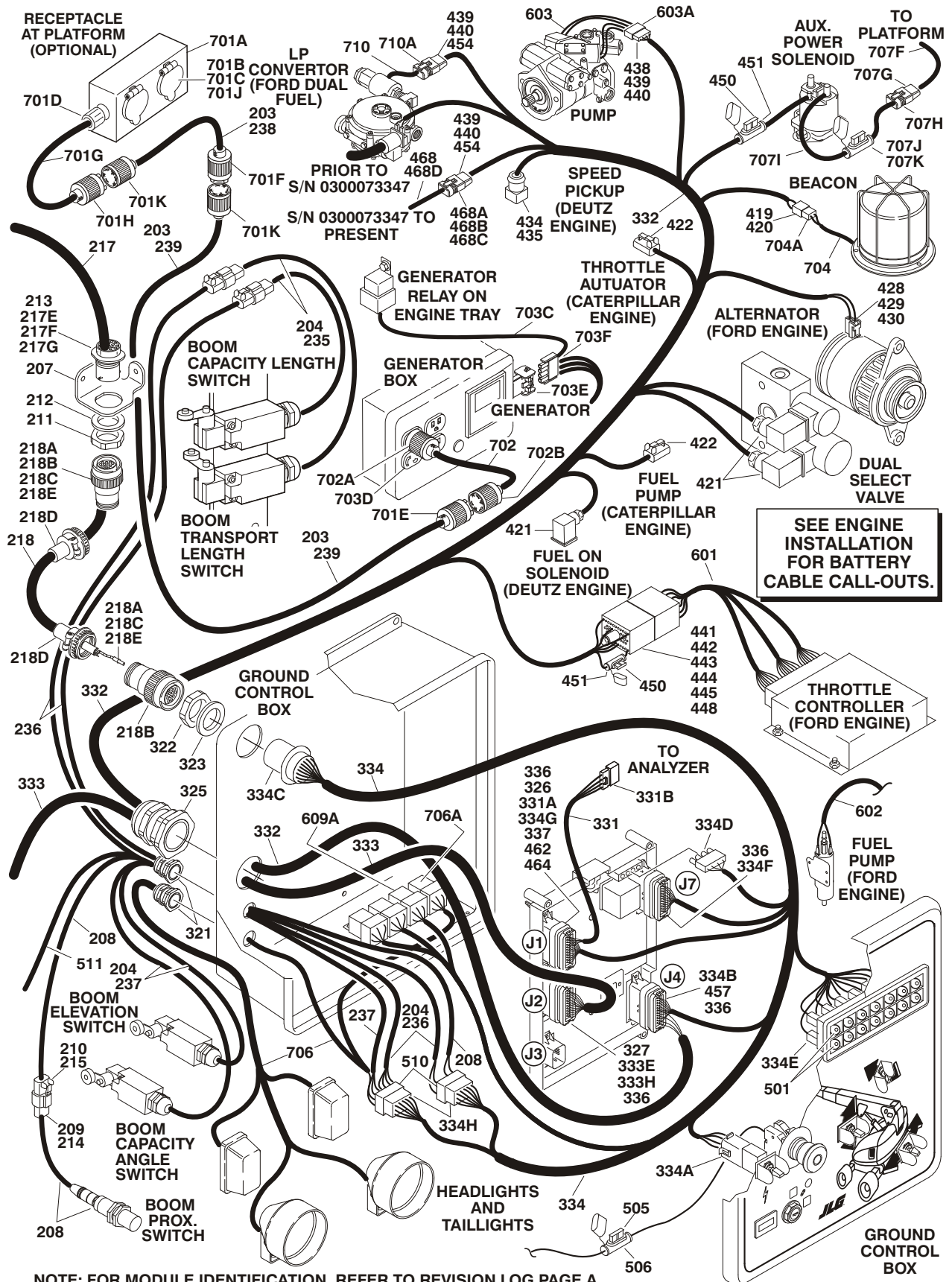
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM WORKLIGHTS ELECTRICAL DIAGRAM	
	0270814	Ref	800S/860SJ - Prior to SN 0300074425	
	0273472	Ref	800S - SN 0300074425 to SN 0300140000	
	0273483	Ref	860SJ - SN 0300074425 to SN 0300140000	
	4933218	Ref	SOFT TOUCH ELECTRICAL DIAGRAM	
		Ref	STANDARD ELECTRICAL DIAGRAMS	
		Ref	Caterpillar Machines	
	4933292	Ref	Prior to SN 0300085332	
	4933337	Ref	SN 0300085332 to SN 0300099882	
	4933376	Ref	SN 0300099882 to SN 0300139210	
	1001110344	Ref	SN 0300139210 to SN 0300140000	
		Ref	Deutz Machines	
	4933201	Ref	Prior to SN 0300085332	
	4933323	Ref	SN 0300085332 to SN 0300099882	
	4933375	Ref	SN 0300099882 to SN 0300139210	
	1001110343	Ref	SN 0300139210 to SN 0300140000	
		Ref	Ford Machines	
	4933200	Ref	Prior to SN 0300085332	
	4933336	Ref	SN 0300085332 to SN 0300140000	
		Ref	GM Machines	
	4933357	Ref	Prior to SN 0300099882	
	4933374	Ref	SN 0300099882 to SN 0300139210	
	1001110342	Ref	SN 0300139210 to SN 0300140000	
		Ref	STANDARD ELECTRICAL SCHEMATICS	
	1870133*	Ref	Caterpillar/Ford/Deutz	
	1870195*	Ref	Deutz EMR2 & GM (SN 0300085332 to SN 0300099882)	
	1870221*	Ref	Caterpillar, Deutz EMR2 & GM (SN 0300099882 to SN 0300139080)	
	1001110325*	Ref	Caterpillar, Deutz EMR2 & GM (SN 0300139080 to SN 0300140000)	
	1001131992	Ref	GM Engine Schematic (Engine Schematic Only. P/N 1001110325 is Schematic for complete machine)	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332)



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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	HARNESS COMPONENTS INSTALLATION	
		Ref	NOTE: FOR MODULE IDENTIFICATION, REFER TO REVISION LOG PAGE A.	
	0861416	Ref	PLATFORM CONSOLE BOX COMPONENTS	E
1 to 8	Not Used			
9	1060918	7ft/2.14m	Cable, Electrical - 18/3	
10 to 34	Not Used			
35	4460071	1	Connector, Strain Relief	
36	Not Used			
37	4460428	2	Connector, Strain Relief	
38	4460464	1	Pin, Male Deutsch	
39	4460470	1	Nut, Terminal	
40	4460471	1	Lockwasher, Terminal	
41	Not Used			
42	4460226	2	Socket, Female	
43	Not Used			
44	4922595	1	Harness, Platform Box (See Items 101-110 for Breakdown)	
45		1	Harness, Upper Valve Options:	
	Use 4922749		Prior to SN 0300066741 (was p/n 4922620)	6/F
	4922749		SN 0300066741 to SN 0300085332	2/A
45A	4460880	7	Connector, DIN	
45B	4460928	8	Socket, Female	
	4460918	8	Socket, Female	
	4460926	1	Connector - 21 Position	
45C	4460913	2	Lock Wedge - 3 Position	
	4460910	2	Connector, Female Deutsch - 3 Position	
	4460917	6	Pin, Male	
45D		5ft/1.5m	Cable, Electrical - 18/3 Options:	
	1060937		Prior to SN 0300066741	
	1060975		SN 0300066741 to SN 0300070287	
	1060981		SN 0300070287 to SN 0300085332	
45E		7ft/2.2m	Cable, Electrical - 18/3 Options:	
	1060938		Prior to SN 0300066741	
	1060976		SN 0300066741 to SN 0300070287	
	1060982		SN 0300070287 to SN 0300085332	
45F		2	Connector, Strain Relief Options:	
	4460428		Prior to SN 0300066360	
	1560012		SN 0300066360 to SN 0300085332	
46 to 49	Not Used			
50	4460905	5	Seal, Plug	
51 to 55	Not Used			
56	4460225	1	Plug, Male - 6 Position	
57	4460496	1	Lockwasher, Terminal	
58	4460497	1	Nut, Terminal	
59	4922666	1	Harness, Analyzer Cable	2/B
	4460226	4	Socket, Female (Not Shown - Located at J2)	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
59A	4460761	1	Connector, Female - 4 Position	8/G
	4460227	4	Pin, Male	
60	4460708	2	Receptacle - 15 Position	
	4922595	Ref	PLATFORM BOX HARNESS ASSEMBLY	
101	4460866	1	Connector - 19 Pin	
	4460929	10	Pin, Male Deutsch 16 Ga	
	4460508	3	Pin, Male Deutsch 12 Ga	
102	4460874	1	Connector - 35 Position (Natural)	
	4460871	23	Socket, Female	
103	4460875	1	Connector - 35 Position (Gray) (Prior to SN 0300068375)	
	4460871	22	Socket, Female	
	4460876	1	Connector - 35 Position (Blue) (SN 0300068375 to SN 0300085332)	
	4460871	23	Socket, Female	
104	4460873	1	Connector - 35 Position (Black)	
	4460871	28	Socket, Female	
105	4460879	1	Connector, Male 2 Position	
	4460887	2	Terminal (12 Gauge)	
106	4460418	6	Connector, Female - 6 Position	
	4460419	18	Socket, Female	
107	4460225	4	Plug, Male - 6 Position	
	4460226	18	Terminal (16 Gauge)	
108	4460225	1	Plug, Male - 6 Position	H C H C
	4460227	5	Pin, Male	
109	4460434	2	Plug, Male - 15 Position	
	4460227	AR	Pin, Male	
110	4460925	1	Connector - 21 Pin	
	4460929	8	Pin, Male Deutsch 16 Ga	
	4460917	8	Pin, Male Deutsch 12 Ga	
		Ref	BOOM CABLES INSTALLATION	
	0271322	Ref	800S	
	0272388	Ref	800S (With 7500W Generator)	
	0271324	Ref	860SJ	
	0272389	Ref	860SJ (With 7500W Generator)	
201 to 202	Not Used			
203	1060708	AR	Cable, Electrical - 10/3 (Prior to SN 0300071452)	
		96ft/29.3m	800S	
		103ft/31.4m	860SJ	
	1060945	AR	Cable, Electrical - 8/5	
		103ft/31.4m	800S (With 7500W Generator)	
		112ft/34.1m	860SJ (With 7500W Generator)	
		11ft/3.4m	GC Box To Boom Connector Item 213	
		83ft/25.3m	Boom Connector Item 213 to Platform (800S)	
		88ft/27m	Boom Connector Item 213 to Platform (860SJ)	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
204	1060902	AR 134ft/41m 138ft/42m AR 20ft/6m 34ft/10.4m AR 20ft/6m 34ft/10.4m AR 13ft/4m 15ft/4.6m AR 13ft/4m 15ft/4.6m 20ft/6m 20ft/6m	Cable, Electrical - 18/2 (Prior to SN 0300071452) 800S 860SJ To Boom Capacity Length Switch Turntable to Bulkhead Bulkhead to Switch To Boom Transport Length Limit Switch Turntable to Bulkhead Bulkhead to Switch To Boom Elevation Switch 800S 860SJ To Boom Capacity Angle Switch 800S 860SJ To Bulkhead (For Lift Holding Valve) To Bulkhead (For Lift Dump Valve)	
205 to 206	Not Used			
207	3573047	1	Plate, Receptacle Mounting	
208	4360506	1	Proximity Switch and Harness Assembly	
209	4460464	4	Pin, Male (Prior to SN 0300071452)	
210	4460465	4	Socket, Female (Prior to SN 0300071452)	
211	4460470	1	Nut, Terminal	
212	4460471	1	Lockwasher, Terminal	
213	4460866	1	Connector - 19 Position	
214	4460891	2	Plug, Male - 2 Position (Prior to SN 0300071452)	
215	4460897	2	Receptacle, Female - 2 Position (Prior to SN 0300071452)	
216	Not Used			
217		1	Harness Assembly - Main Boom (12/4 -18/8) Options:	
	4922566		800S	2/B
	4922567		860SJ	3/C
	1060896	AR	Cable, Electrical - 12/4&18/8	
		85ft/26m	800S	
		95ft/29m	860SJ	
	2820031	4in/9cm	Heat Shrink	
217A	4460465	11	Socket, Female 18 Gauge	
217B	4460865	1	Connector - 19 Position	
217C	4460509	4	Socket, Female 12 Gauge	
217D	4460473	1	Clamp. Cable	
217E	4460466	8	Seal, Plug	
217F	4460464	11	Pin, Male 18 Gauge	
217G	4460508	4	Pin, Male 12 Gauge	
218	4922569	1	Harness Assembly - Tower Boom (12/4 - 18/8)	1/A
	1060896	20ft/6.1m	Cable, Electrical - 12/4&18/8	
218A	4460465	22	Socket, Female 18 Gauge	
218B	4460865	2	Connector - 19 Position	
218C	4460509	8	Socket, Female 12 Gauge	
218D	4460473	2	Clamp. Cable	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
218E	4460466	8	Seal, Plug	2/D
219 to 232	Not Used			
233	4922660	1	Holding Valve/Lift Dump Harness Assembly (Note: This is actually two separate harnesses under the same p/n)	
233A	4460880	2	Connector, DIN	
233B	4460320	1	Plug, Male - 2 Position	
	4460226	2	Socket, Female	
233C	4460424	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
234	Not Used			
235	4922871	2	Harness, Limit Switch Upper (SN 0300071452 to SN 0300085332)	
		1	To Boom Capacity Angle Switch	
	1060902	34ft/10.4m	Cable, Electrical - 18/2	
	4460464	2	Pin, Male	
	4460897	1	Receptacle, Female - 2 Position	
		1	To Boom Transport Length Limit Switch	
	1060902	34ft/10.4m	Cable, Electrical - 18/2	
	4460464	2	Pin, Male	
	4460897	1	Receptacle, Female - 2 Position	
236	4922872	2	Harness, Limit Switch Lower (SN 0300071452 to SN 0300085332)	
		AR	To Boom Capacity Length Switch	
	1060902	20ft/6m	Cable, Electrical - 18/2	
	4460465	2	Socket, Female	
	4460891	1	Plug, Male - 2 Position	
		AR	To Boom Transport Length Limit Switch	
	1060902	20ft/6m	Cable, Electrical - 18/2	
	4460465	2	Socket, Female	
	4460891	1	Plug, Male - 2 Position	
237		AR	Cable, Electrical - 18/2 (SN 0300071452 to SN 0300085332)	
	1061018	2	800S	
	1061019	2	860SJ	
238		1	Harness Options (To Bulkhead) (SN 0300071452 to SN 0300085332):	
	4922873		Harness, 110V A/C - 800S (Standard)	
	4922790		Harness, 8/5 Cable - 800S (With 7500W Generator)	
	4922877		Harness, 110V A/C - 860SJ (Standard)	
	4922808		Harness, 8/5 Cable - 860SJ (With 7500W Generator)	
239		1	Harness Options (To Generator Box) (SN 0300071452 to SN 0300085332):	
	4922874		Harness, 110V A/C (Standard)	
	4922809		Harness, 8/5 Cable (With 7500W Generator)	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GROUND CONTROL BOX COMPONENTS	
301 to 320	Not Used			
321	4460426	AR	Connector, Strain Relief	
322	4460470	1	Nut, Terminal	
323	4460471	1	Locknut, Terminal	
324	Not Used			
325	4460526	1	Connector, Strain Relief	
326	4460874	1	Connector (Natural)	
327	4460875	1	Connector (Gray)	
328 to 330	Not Used			
331	4922666	1	Harness, Analyzer Cable	2/B
331A	4460226	4	Socket, Female (Not Shown - Located at J2)	
331B	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
332		1	Engine Harness Assembly (See Items 401-468D for Break-down)	
	4922654		Deutz Engine Machines	
	4922655		Ford Engine Machines	
	4922922		Caterpillar Engine Machines	
333	4922594	1	Valve Harness Assembly	6/J
333A	4460880	7	DIN Connector	
333B	4460320	2	Plug, Male - 2 Position	
	4460267	4	Pin, Male	
333C	Not Used			
333D	4460834	1	Connector, Female - 2 Position	
	4460842	2	Terminal, Female	
333E	4460871	22	Socket, Female	
333F	4460225	1	Plug, Male - 6 Position	
	4460267	6	Pin, Male	
333G	4460424	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
333H	4460226	1	Socket, Female	
334	4922619	1	Ground Control Box Harness Assembly	6/F
	3990010	2	Diode - 6 Amp (Not Shown - Located at Power Down Relay)	
334A	4460418	7	Connector, Female - 6 Position	
	4460419	21	Socket, Female	
334B	4460876	1	Connector - 35 Position (Blue)	
	4460871	23	Socket, Female	
334C	4460866	1	Connector - 19 Pin	
	4460464	10	Pin, Male Deutsch 16 Ga	
	4460508	3	Pin, Male Deutsch 12 Ga	
334D	4460878	1	Housing, Terminal - 4 Position	
	4460887	3	Terminal (12 Gauge)	
334E	4120035	4	Base, Light	
	4460634	5	Terminal (16 Gauge)	
	4460635	3	Terminal (12 Gauge)	
334F	4460873	1	Connector - 35 Position (Black)	
	4460871	19	Socket, Female	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
334G	4460871	9	Socket, Female	
334H	4460434	2	Plug, Male - 15 Position	
	4460227	22	Pin, Male	
335		1	Ground Control Box Wiring Diagram (Not Shown - See Items 501 to 511B for Breakdown)	
	4933201		Deutz Engine Machines	
	4933200		Ford Engine Machines	
	4923292		Caterpillar Engine Machines	
336	0100048	AR	Grease, Dielectric	
337	4460905	4	Plug, Seal	
		Ref	ENGINE HARNESS ASSEMBLY	
	4922654	Ref	Deutz Engine	5/E
	4922655	Ref	Ford Engine	5/E
	4922922	Ref	Caterpillar Engine	3/C
401 to 418	Not Used			
419	4460424	1	Receptacle, Female - 2 Position	
420	4460268	2	Socket, Female	
421	4460880	AR	DIN Connector without Diode	
422	4460891	2	Connector, Male - 2 Position (Caterpillar Engine Only)	
	4460465	7	Socket, Female	
423 to 427	Not Used			
428	4460582	3	Terminal (Ford Engine Only)	
429	4460580	1	Lock, Terminal (Ford Engine Only)	
430	4460579	1	Housing - 3 Position (Ford Engine Only)	
430 to 433	Not Used			
434	4460890	1	Housing - 2 Position (Deutz Engine Only)	
435	4460889	2	Terminal (Deutz Engine Only)	
436 to 437	Not Used			
438	4460460	AR	Connector, Male - 4 Position	
439	4460457	AR	Terminal, Female	
440	4460458	AR	Seal, Terminal	
441	4460713	1	Connector, Housing 42 Position (Ford Engine Only)	
442	4460725	1	Connector Wedge Lock, Center (Ford Engine Only)	
443	4460726	2	Connector Wedge Lock, Side (Ford Engine Only)	
444	4460800	29	Connector, Plug (Ford Engine Only)	
445	4460799	7	Pin, Male (Ford Engine Only)	
446 to 447	Not Used			
448	4460728	3	Pin, Male (Ford Engine Only)	
449	Not Used			
450	2400061	2	Fuse (Ford Engine Only)	
451	2400060	2	Holder, Fuse (Ford Engine Only)	
452 to 453	Not Used			
454	4460742	1	Receptacle, Female - 2 Position	
455 to 456	Not Used			
457	4460871	AR	Socket, Female	
458 to 461	Not Used			
462	4460464	1	Pin, Male	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
463	Not Used			
464	4460887	1	Terminal, Molex	
465 to 467	Not Used			
468	3730120	1	Resistor Assembly (SN 0300073347 to SN 0300085332)	
468A	4460978	1	Receptacle, Male - 2 Position	
468B	4460979	2	Pin, Male	
468C	4460458	2	Seal, Terminal	
468D	3730121	1	Resistor	
		Ref	GROUND CONTROL BOX WIRING DIAGRAM	
	4933201	Ref	Deutz Engine	6/I
	4933200	Ref	Ford Engine	5/G
	4933292	Ref	Caterpillar Engine	2/C
501	2920129	AR	Bulb, Light	
502 to 506	Not Used			
505	2400065	1	Fuse, 30Amp	
506	2400066	1	Fuse, Holder	
507 to 509	Not Used			
510	4460708	2	Receptacle, Female - 15 Position	
	4460226	13	Socket, Female	
511	4922771	1	Harness, Angle Sensor	
	1060902	9.5ft/2.9m	Cable - 18/2	
511A	4460226	4	Socket, Female	
511B	4460424	1	Receptacle, Female - 2 Position	
		Ref	STANDARD HARNESS COMPONENTS	
601		1	Ford Engine ECM Harness (For replacement parts refer to Ford engine dealer (Ford Engine Machines) Options:	
	7023681	1	Prior to SN 0300079612 (was p/n 7023663)	
	7027403	1	SN 0300079612 to SN 0300085332	
602	7022134	1	Ford Engine Fuel Pump Harness	
603	See Note	1	Pump Harness (Note: Not Available for Purchase.)	
	7007497	2	Plug (Pump)	
603A	7007498	1	Plug (Valve Harness)	
604		2	Switch, Tilt Sensor Options (Includes Tilt Sensor):	
	Use 4360544		Prior to SN 0300066741 (was p/n 4360503)	
	Use 4360544		SN 0300066741 to SN 0300075873 (was p/n 4360528)	
	4360544		SN 0300075873 to SN 0300085332	
604A	4460911	2	Plug, Male Deutsch - 3 Position	
	4460918	6	Socket, Female	
	4460912	2	Lock, Wedge	
605	See Note	1	Controller Harness Assembly (Lift and Swing) (Note: Not Available for Purchase.)	
605A	7022819	1	Connector, Male - 9 Position	
	7022820	8	Socket, Female	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
606	7022824	1	Controller Harness/Circuit Board Assembly (Drive and Steer)	
606A	7022825	1	Connector, Female - 9 Position	
	7022820	7	Socket, Female	
607	See Note	1	Speed Control Harness (Note: Not Available for Purchase.)	
607A	4460224	1	Connector, Female - 6 Position	
	4460226	5	Socket, Female	
608	See Note	1	Proximity Switch & Harness (Note: Not Available for Purchase.)	
608A	4460320	1	Plug, Male - 2 Position	
	4460227	2	Pin, Male	
609	4922690	1	ADE System Power-Down Harness	
609A	3740049	1	Relay	
	3990010	2	Diode - 6 Amp (Not Shown)	
		Ref	OPTIONAL HARNESS COMPONENTS	
701			AC to Platform Receptacle Components Options:	
	0255382	Ref	110V GFI Receptacle (ANSI Spec) (Prior to SN 0300065541)	4
	0272259	Ref	110V GFI Receptacle (ANSI Spec) (SN 0300065541 to SN 0300085332)	1
	0257176	Ref	220V GFI Receptacle (ANSI Spec) (Prior to SN 0300065541)	4
	0272260	Ref	220V GFI Receptacle (ANSI Spec) (SN 0300065541 to SN 0300085332)	1
	0256202	Ref	(ANSI Export Spec)	5
701A	0860038	1	Box, Switch (ANSI Spec Only)	
701B		1	Receptacle Options (ANSI Spec Only):	
	4460346		110V GFI	
	4460125		220V GFI	
701C		1	Shield, Cover Options (ANSI Spec Only):	
	4060700		110V GFI	
	4060092		220V GFI	
701D		1	Connector, Strain Relief Options (ANSI Spec Only):	
	4460071		Prior to SN 0300065541	
	4460051		SN 0300065541 to SN 0300085332	
701E		1	Plug, Male Options:	
	4460205		110V GFI (ANSI Spec)	
	4460233		220V GFI (ANSI Spec)	
	See Note		ANSI Export Spec (Note: Not Available - Purchase Locally.)	
701F		1	Plug, Male Options:	
	4460205		110V GFI (ANSI Spec)	
	4460233		220V GFI (ANSI Spec)	
	4460709		ANSI Export Spec	
701G		1	Platform Receptacle Harness Options:	
	4921801		ANSI Spec (Prior to SN 0300065541)	—
	4921820		ANSI Export Spec (Prior to SN 0300065541)	2
		AR	Cable, Electrical - 12/3 Options:	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
701G (cont'd)	1060494	18in/46cm	ANSI Spec	
	1060461	30in/76cm	ANSI Export Spec	
701H		1	Plug, Male Options:	
	4460205		ANSI Spec	
	4460709		ANSI Export Spec	
701J	3960422	1	Gasket, Cover (ANSI Spec Only)	
701K		1	Connector, Female Options:	
	4460134		110V GFI (ANSI Spec)	
	4460701		220V GFI (ANSI Spec)	
	4460710		ANSI Export Spec	
702		1	Generator to Rear of Boom Harness Options:	
		Ref	Note: Harness used to connect AC at platform harness to generator receptacle to power platform receptacle.	
	4922741		110V GFI (ANSI Spec)	A
	4922742		220V GFI (ANSI Spec)	A
	4922743		ANSI Export Spec	A
		6ft/1.8m	Cable, Electrical - 10/3 Options:	
	1060708		ANSI Spec	
	1060545		ANSI Export Spec	
702A		1	Plug, Male Options:	
	4460205		110V GFI (ANSI Spec)	
	4460233		220V GFI (ANSI Spec)	
	See Note		ANSI Export Spec (Note: Not Available - Purchase Locally.)	
702B		1	Receptacle, Female Options:	
	4460134		110V GFI (ANSI Spec)	
	4460701		220V GFI (ANSI Spec)	
	See Note		ANSI Export Spec (Note: Not Available - Purchase Locally.)	
703		AR	Generator Electrical Components	
	4933216		110V (Prior to SN 0300079612)	2/C
	4933215		220V (Prior to SN 0300079612)	1/B
	4933300		110V/220V (SN 0300079612 to SN 0300085332)	1/A
	3990010	1	Diode - 6 Amp (Not Shown)	
703A	4922641	1	Harness - On/Off Switch	
703B	4460226	2	Socket, Female	
703C		1	Powermite Control Box to Relay Options:	
	4922482		Prior to SN 0300079612	
	4922970		SN 0300079612 to SN 0300085332	
703D	4460027	1	Receptacle, Twist Lock (110V Only)	
703E	4460961	1	Connector, Female - 4 Position	
	4460705	4	Pin, Male	
703F	4460321	1	Connector, Male - 4 Position	
	4460906	4	Socket, Female	
704		1	Strobe Light Harness (Includes Strobe Light) Options:	
	0255917	1	Prior to SN 0300069716	
	0272507	1	SN 0300069716 to SN 0300085332	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
704A	4460320	1	Connector, Female - 2 Position	1/A
	4460267	2	Pin, Male	
705	0257887	1	Alarm Harness (Includes Alarm)	
705A	4460424	1	Plug, Male - 2 Position	
	4460268	2	Socket, Female	
706	See Note	1	Lights Harness (Note: Not Available for Purchase.)	
	1060341	37ft/11.3m	Cable, Electrical - 16/2	
706A	3740049	1	Relay	
	4922643	1	Harness, Bag (Located at Ground Control Box) (Not Shown)	
707		AR	Platform Worklights/Floodlights Components	
707A		2	Platform Worklights/Floodlights External Harness (Includes Light and Wire Only)	
	2920140		Platform Worklights External Harness	
	2920157		Platform Floodlights External Harness (Light to Switch)	
	4460320	2	Connector, Female - 2 Position (Part of 4933249 Wiring Diagram)	
	4460227	4	Pin, Male (Part of 4933249 Wiring Diagram)	
	4922764		Platform Floodlights External Harness (Switch to Platform Box) (Part of 4933249 Wiring Diagram)	
	4460424	2	Receptacle, Female - 2 Position	
	4460226	4	Socket, Female	
707B		1	Connector, Strain Relief Options:	
	4460598		Platform Worklights	
	4460425		Platform Floodlights	
707C		1	Circuit Breaker, 15Amp Options:	
	4360232		Platform Worklights (Prior to SN 0300074425)	
	Not Required		Platform Worklights (SN 0300074425 to SN 0300085332)	
	4360232		Platform Floodlights	
707D	4922498	1	Platform Worklights Internal Harness (Prior to SN 0300074425)	
707E	4460871	3	Socket, Female (Prior to SN 0300074425)	
		Ref	Note: Items 707F - 707K SN 0300074425 to SN 0300085332.	
707F		1	Platform Worklights Harness Options:	
	4922873		800S with Platform Worklights	
	1060708	85ft/26cm	Cable, Electrical - 10/3	
	4922877		860SJ with Platform Worklights	
	1060708	92ft/28cm	Cable, Electrical - 10/3	
	4922883		800S/860SJ with Platform Floodlights	
	1060708	120ft/37cm	Cable, Electrical - 10/3	
707G	4460459	1	Connector, Female - 3 Position (Platform Worklights Only)	
	4460789	3	Terminal, Seal	
	4460790	3	Socket, Female	
707H	4460476	1	Connector, Male - 3 Position (Platform Worklights Only)	
	4460789	3	Terminal, Seal	
	4460850	3	Pin, Male	
707I	4922874	1	Worklights Harness to Aux. Power Solenoid (Platform Worklights Only)	
	1060708	11ft/3.4mm	Cable, Electrical - 10/3	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
707J	2400070	1	Fuse (Platform Worklights Only)	
707K	2400066	1	Holder, Fuse (Platform Worklights Only)	
708	See Note	1	Soft-Touch System Harness (Note: Not Available for Purchase.)	
708A	1060341	22ft/6.7m	Cable, Electrical - 16/2	
708B	4460226	2	Socket, Female	
708C	4460425	1	Connector, Strain Relief	
709	See Note	1	Rear Steer Valves Harness (Note: Not Available for Purchase.)	
709A	4460224	1	Connector, Female - 6 Position	
	4460226	6	Socket, Female	
710	See Note	1	Dual Fuel Shut-Off Filter Harness (Note: Not Available for Purchase.)	
710A	7023679	1	Electrical Connector Kit (Includes [1] 2 Position Connector, 2 Pins & 2 Seals)	
		Ref	TOOLS	
801	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
802	7002823	1	Extractor (For Removal of Pin/Socket from Connectors)	
803	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors)	
	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors)	
804	7002828	1	Stripper, Wire	

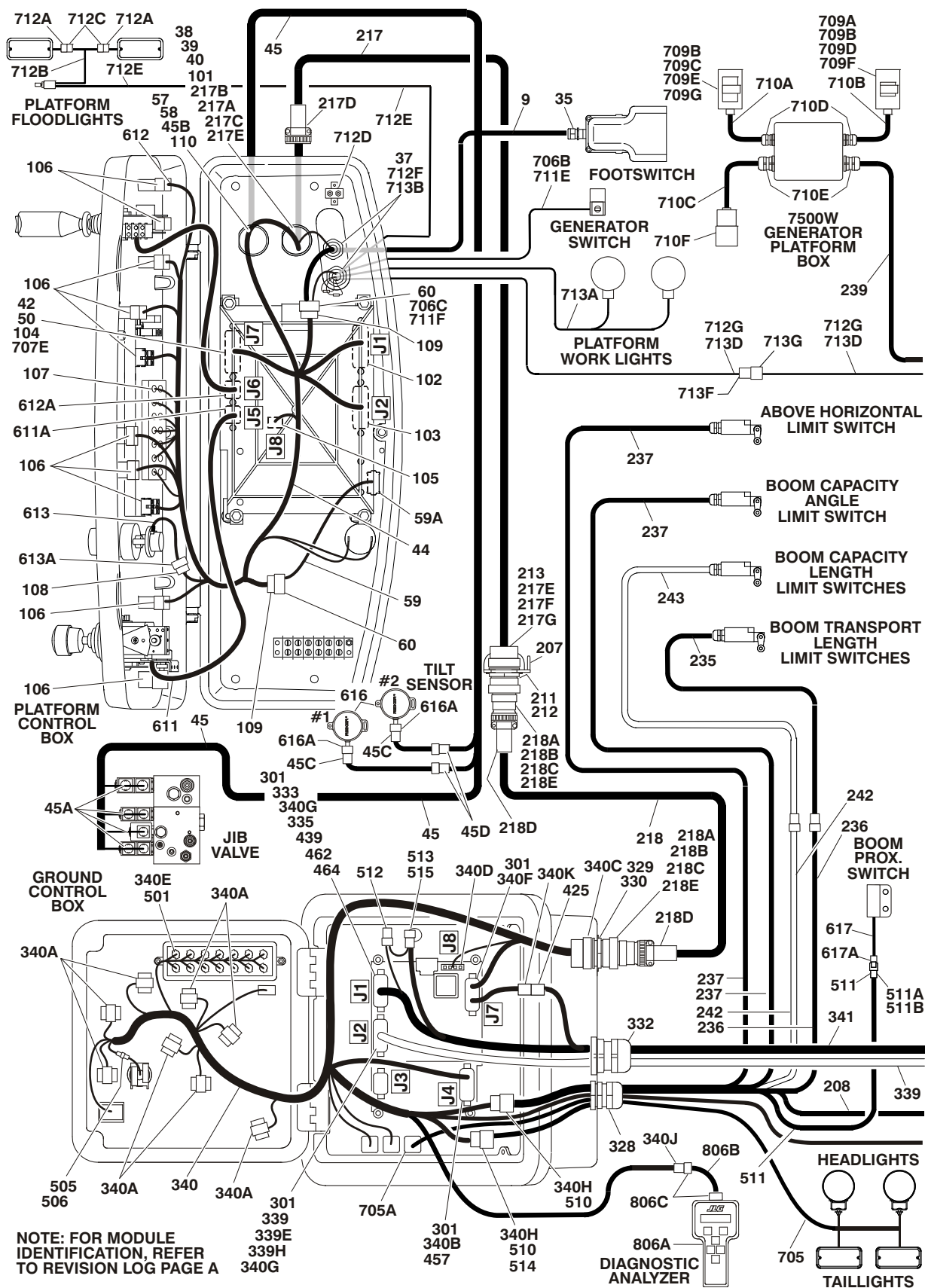
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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (PRIOR TO SN 0300085332) (CONTINUED)

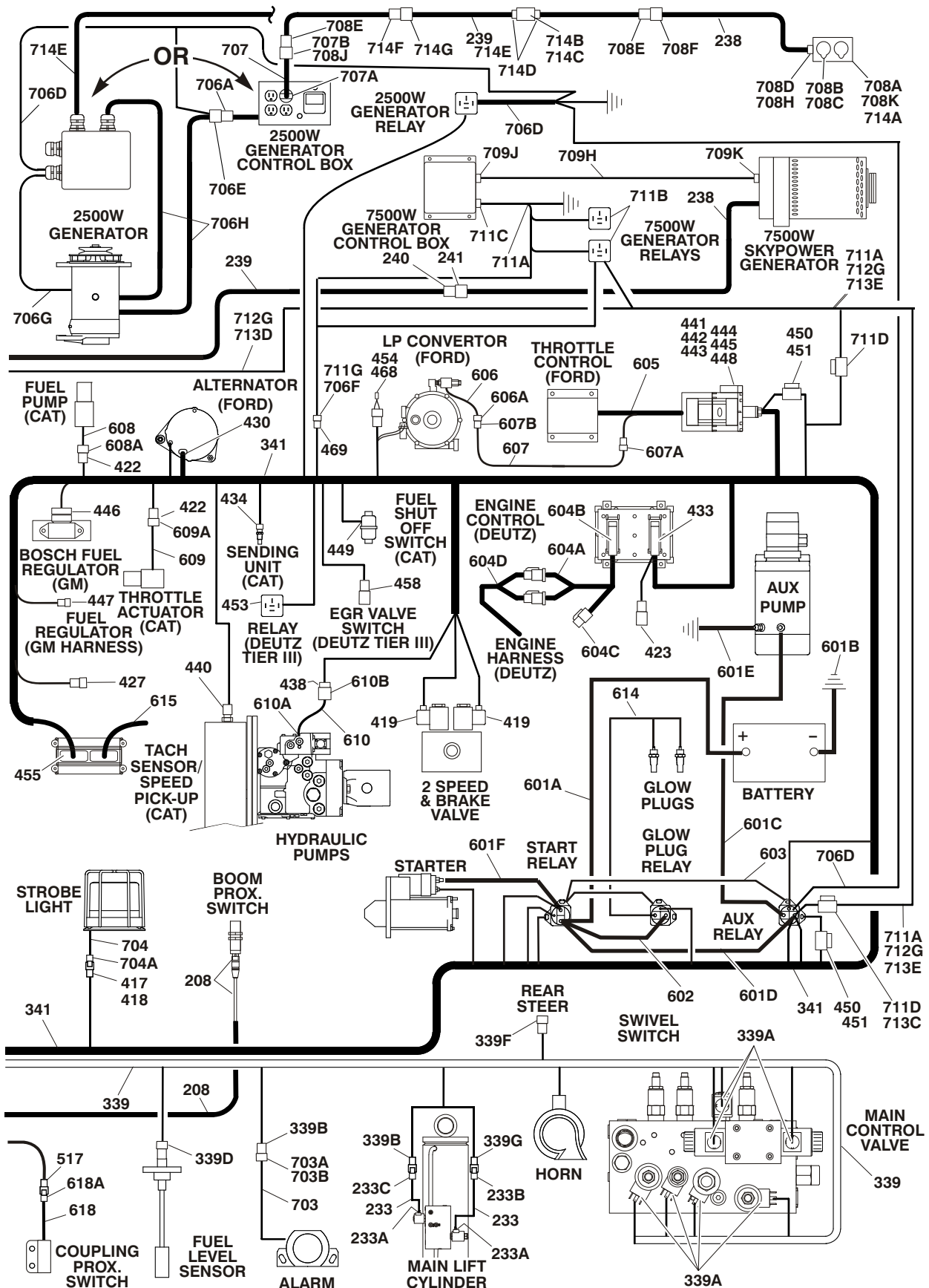
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000)



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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	NOTE: FOR MODULE IDENTIFICATION, REFER TO REVISION LOG PAGE A.	
		Ref	PLATFORM CONSOLE BOX COMPONENTS	
	0861416	Ref	SN 0300085332 to SN 0300137913	J
	1001108866	Ref	SN 0300137913 to SN 0300140000	B
1 to 8	Not Used			
9	1060918	7ft/2.14m	Cable, Electrical - 18/3	
10 to 34	Not Used			
35	4460071	1	Connector, Strain Relief	
36	Not Used			
37	4460428	2	Connector, Strain Relief	
38	4460464	1	Pin, Male Deutsch	
39	4460470	1	Nut, Terminal	
40	4460471	1	Lockwasher, Terminal	
41	Not Used			
42	4460226	2	Socket, Female	
43	Not Used			
44		1	Harness, Platform Box Options (See Items 101-110 for Breakdown)	
	4922595		SN 0300085332 to SN 0300137913	
	1001107796		SN 0300137913 to SN 0300140000	
45	4922749	1	Harness, Upper Valve	2/A
45A	4460880	7	Connector, DIN	
45B	4460928	8	Socket, Female	
	4460918	8	Socket, Female	
	4460926	1	Connector, Deutsch - 21 Position	
45C	4460913	2	Lock Wedge - 3 Position	
	4460910	2	Connector, Female Deutsch - 3 Position	
	4460917	6	Pin, Male	
45D	1560012	2	Connector, Strain Relief	
46 to 49	Not Used			
50	4460905	5	Seal, Plug	
51 to 55	Not Used			
56	4460225	1	Plug, Male - 6 Position	
57	4460496	1	Lockwasher, Terminal	
58	4460497	1	Nut, Terminal	
59	4922666	1	Harness, Analyzer Cable	2/B
	4460226	4	Socket, Female (Not Shown - Located at J2)	
59A	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
60	4460708	2	Receptacle - 15 Position	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM BOX HARNESS ASSEMBLY	
	4922595	Ref	SN 0300085332 to SN 0300137913	10/I
	1001107796	Ref	SN 0300137913 to SN 0300140000	C
101	4460866	1	Connector - 19 Pin	
	4460929	10	Pin, Male Deutsch 16 Ga	
	4460508	3	Pin, Male Deutsch 12 Ga	
102	4460874	1	Connector - 35 Position (Natural)	
	4460871	23	Socket, Female	
103	4460876	1	Connector - 35 Position (Blue)	
	4460871	23	Socket, Female	
104	4460873	1	Connector - 35 Position (Black)	
	4460871	28	Socket, Female	
105	4460879	1	Connector, Male 2 Position	
	4460887	2	Terminal (12 Gauge)	
106	4460418	7	Connector, Female - 6 Position	
	4460419	21	Socket, Female	
107	4460225	4	Plug, Male - 6 Position	
	4460226	18	Terminal (16 Gauge)	
108	4460225	1	Plug, Male - 6 Position	
	4460227	5	Pin, Male	
109	4460434	2	Plug, Male - 15 Position	
	4460227	AR	Pin, Male	
110	4460925	1	Connector - 21 Pin	
	4460929	8	Pin, Male Deutsch 16 Ga	
	4460917	8	Pin, Male Deutsch 12 Ga	
		Ref	BOOM CABLES INSTALLATION	
	0271322	Ref	800S	I
	0272388	Ref	800S (With 7500W Generator and Without Arctic Package)	F
	1001091609	Ref	800S (Without 7500W Generator and With Arctic Package)	C
	1001091664	Ref	800S (With 7500W Generator and Arctic Package)	D
	0271324	Ref	860SJ	I
	0272389	Ref	860SJ (With 7500W Generator and Without Arctic Package)	E
	0275586	Ref	860SJ (Without 7500W Generator and With Arctic Package)	B
	1001091665	Ref	860SJ (With 7500W Generator and Arctic Package)	D
201 to 206	Not Used			
207	3573047	1	Plate, Receptacle Mounting	
208	4360506	1	Proximity Switch and Harness Assembly	
209 to 210	Not Used			
211	4460470	1	Nut, Terminal	
212	4460471	1	Lockwasher, Terminal	
213	4460866	1	Connector - 19 Position	
214 to 216	Not Used			
217		1	Harness Assembly - Main Boom (12/4 -18/8) Options:	
	4922566		800S	2/B
	1001091618		800S (With Arctic Package)	1/A

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
217 (cont'd)	4922567		860SJ	3/C
	4923595		860SJ (With Arctic Package)	1/A
		AR	Cable, Electrical - 12/4&18/8 Options:	
	1060896	85ft/26m	800S	
	4923462	85ft/26m	800S (With Arctic Package)	
	1060896	95ft/29m	860SJ	
	4923462	95ft/29m	860SJ (With Arctic Package)	
	2820031	4in/9cm	Heat Shrink	
217A	4460465	11	Socket, Female 18 Gauge	
217B	4460865	1	Connector - 19 Position	
217C	4460509	4	Socket, Female 12 Gauge	
217D	4460473	1	Clamp. Cable	
217E	4460466	8	Seal, Plug	
217F	4460464	11	Pin, Male 18 Gauge	
217G	4460508	4	Pin, Male 12 Gauge	
218		1	Harness Assembly - Tower Boom (12/4 - 18/8) Options:	
	4922569		Standard & Sky Welder	1/A
	Use 4923596		Arctic Package (SN 0300085332 to SN 0300107594) (was p/n 1001091619)	2/B
	4923596		Arctic Package	2/B
		20ft/6.1m	Cable, Electrical - 12/4&18/8 Options:	
	1060896		Standard & Sky Welder	
	4923462		With Arctic Package	
218A	4460465	22	Socket, Female 18 Gauge	
218B	4460865	2	Connector - 19 Position	
218C	4460509	8	Socket, Female 12 Gauge	
218D	4460473	2	Clamp. Cable	
218E	4460466	8	Seal, Plug	
219 to 232	Not Used			
233		1	Holding Valve/Lift Dump Harness Assembly Options: (Note: This is actually two separate harnesses under the same p/n)	
	4922660	1	Standard & Sky Welder	2/D
	4922660	1	With Arctic Package (SN 0300085332 to SN 0300107594)	2/D
	4923597	1	With Arctic Package (SN 0300107594 to SN 0300140000)	1/A
233A	4460880	2	Connector, DIN	
233B	4460320	1	Plug, Male - 2 Position	
	4460226	2	Socket, Female	
233C	4460424	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
234	Not Used			
235		1	Harness, Limit Switch Upper Options (To Boom Transport Length Limit Switch):	
	4922871		Standard & Sky Welder	
	4923598		With Arctic Package	
		34ft/10.4m	Cable, Electrical - 18/2 Options:	
	1060902		Standard & Sky Welder	
	1060902		With Arctic Package (SN 0300085332 to SN 0300107594)	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
235 (cont'd)	4923466		With Arctic Package (SN 0300107594 to SN 0300140000)	
	4460464	2	Pin, Male	
	4460897	1	Receptacle, Female - 2 Position	
236		1	Harness, Limit Switch Lower Options (To Boom Transport Length Limit Switch):	
	4922872		Standard & Sky Welder	
	Use 4923599		With Arctic Package (SN 0300085332 to SN 0300107594) (was p/n 1001091622)	
	4923599		With Arctic Package (SN 0300107594 to SN 0300140000)	
		20ft/6m	Cable, Electrical - 18/2 Options:	
	1060902		Standard & Sky Welder	
	4923466		With Arctic Package	
	4460465	2	Socket, Female	
	4460891	1	Plug, Male - 2 Position	
237		AR	Cable, Electrical - 18/2	
	1061018	2	800S	
	1061019	2	860SJ	
238		1	Harness Options (To Bulkhead):	
			800S:	
	4922873		Harness, 110V A/C - Standard	
	4922790		Harness, 8/5 Cable - Sky Welder	
	1001091620		Harness, 8/5 Cable - With Arctic Package	
	Use 4922790		Harness, 8/5 Cable - With 7500W Generator and Arctic Package (SN 0300085332 to SN 0300121307 was p/n 1001091667)	
	4922790		Harness, 8/5 Cable - With 7500W Generator and Arctic Package (SN 0300121307 to SN 0300140000)	
			860SJ:	
	4922877		Harness, 110V A/C - Standard	
	4922808		Harness, 8/5 Cable - Sky Welder	
	4923600		Harness, 8/5 Cable - With Arctic Package	
	Use 4922808		Harness, 8/5 Cable - With 7500W Generator and Arctic Package (SN 0300085332 to SN 0300121307 was p/n 1001091671)	
	4922808		Harness, 8/5 Cable - With 7500W Generator and Arctic Package (SN 0300121307 to SN 0300140000)	
239		1	Harness Options (To Generator Box):	
	4922874		Harness, 110V A/C (Standard)	
	4922809		Harness, 8/5 Cable (Sky Welder)	
	Use 4923601		Harness, 8/5 Cable (With Arctic Package) (SN 0300085332 to SN 0300107594) (was p/n 1001091621)	
	4923601		Harness, 8/5 Cable (With Arctic Package) (SN 0300107594 to SN 0300140000)	
	Use 4922809		Harness, 8/5 Cable - With 7500W Generator and Arctic Package (SN 0300085332 to SN 0300121307 was p/n 1001091668)	
	4922809		Harness, 8/5 Cable - With 7500W Generator and Arctic Package (SN 0300121307 to SN 0300140000)	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
240	4460959	1	Terminal, Turnlok Plug (With 7500W Generator and Arctic Package)	
	1671092	1	Cover, Female Connector	
241	4460960	1	Terminal, Turnlok Connector (With 7500W Generator and Arctic Package)	
	1671093	1	Cover, Male Connector	
242		1	Harness, Limit Switch Lower Options (To Boom Capacity Length Switch):	
	4922872		Standard & Sky Welder (SN 0300085332 to SN 0300120844)	
	1001098908		Standard & Sky Welder (SN 0300120844 to SN 0300140000)	
	Use 4923599		With Arctic Package (SN 0300085332 to SN 0300107594 was p/n 1001091622)	
	4923599		With Arctic Package (SN 0300107594 to SN 0300120844)	
	1001098910		With Arctic Package (SN 0300120844 to SN 0300140000)	
		20ft/6m	Cable, Electrical - 18/2 Options:	
	1060902		Standard & Sky Welder	
	4923466		With Arctic Package	
		2	Terminal Options:	
	4460465		Socket, Female (SN 0300085332 to SN 0300120844)	
	4460464		Pin, Male (SN 0300120844 to SN 0300140000)	
		1	Connector Options:	
	4460891		Receptacle, Female - 2 Position (SN 0300085332 to SN 0300120844)	
	4460897		Plug, Male - 2 Position (SN 0300120844 to SN 0300140000)	
243		1	Harness, Limit Switch Upper Options (To Boom Capacity Length Switch):	
	4922871		Standard & Sky Welder (SN 0300085332 to SN 0300120844)	
	1001098909		Standard & Sky Welder (SN 0300120844 to SN 0300140000)	
	4923598		With Arctic Package (SN 0300085332 to SN 0300120844)	
	1001098911		With Arctic Package (SN 0300120844 to SN 0300140000)	
		34ft/10.4m	Cable, Electrical - 18/2 Options:	
	1060902		Standard & Sky Welder	
	1060902		With Arctic Package (SN 0300085332 to SN 0300107594)	
	4923466		With Arctic Package (SN 0300107594 to SN 0300140000)	
		2	Terminal Options:	
	4460464		Pin, Male (SN 0300085332 to SN 0300120844)	
	4460465		Socket, Female (SN 0300120844 to SN 0300140000)	
		1	Connector Options:	
	4460897		Receptacle, Female - 2 Position (SN 0300085332 to SN 0300120844)	
	4460891		Plug, Male - 2 Position (SN 0300120844 to SN 0300140000)	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GROUND CONTROL BOX COMPONENTS	
301	0100048	AR	Grease, Dielectric	
302 to 327	Not Used			
328	4460426	1	Connector, Strain Relief	
329	4460470	1	Nut, Terminal	
330	4460471	1	Locknut, Terminal	
331	Not Used			
332	4460526	1	Connector, Strain Relief	
333	4460874	1	Connector (Natural)	
334	4460875	1	Connector (Gray)	
335	4460905	4	Plug, Seal	
336 to 338	Not Used			
339	4922594	1	Valve Harness Assembly	7/K
339A	4460880	7	DIN Connector	
339B	4460320	2	Plug, Male - 2 Position	
	4460267	4	Pin, Male	
339C	Not Used			
339D	4460834	1	Connector, Female - 2 Position	
	4460842	2	Terminal, Female	
339E	4460871	22	Socket, Female	
339F	4460225	1	Plug, Male - 6 Position	
	4460267	6	Pin, Male	
339G	4460424	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
339H	4460226	1	Socket, Female (SN 0300085332 to SN 0300087262)	
340		1	Ground Control Box Harness Assemblies:	
	4923213		Deutz & GM Engine (SN 0300085332 to SN 0300099882)	E
	4923279		Caterpillar & Ford Engine (SN 0300085332 to SN 0300099882)	2/B
	4923577		Caterpillar, Deutz & GM Engine (SN 0300099882 to SN 0300140000)	D
	3990010	2	Diode - 6 Amp (Not Shown - Located at Power Down Relay)	
340A	4460418	7	Connector, Female - 6 Position	
	4460419	21	Socket, Female	
340B	4460876	1	Connector - 35 Position (Blue)	
	4460871	AR	Socket, Female	
	4460905	1	Seal, Plug	
340C	4460866	1	Connector - 19 Pin	
	4460464	AR	Pin, Male Deutsch 16 Ga	
	4460508	3	Pin, Male Deutsch 12 Ga	
340D	4460878	1	Housing, Terminal - 4 Position	
	4460887	3	Terminal (12 Gauge)	
340E	4120035	AR	Base, Light	
	4460634	AR	Terminal (16 Gauge)	
	4460635	AR	Terminal (12 Gauge)	
340F	4460873	1	Connector - 35 Position (Black)	
	4460871	19	Socket, Female	
	4460905	1	Seal, Plug	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
340G	4460871	AR	Socket, Female	
340H	4460434	2	Plug, Male - 15 Position	
	4460227	AR	Pin, Male	
340J	4460761	1	Connector, Female 4 - Position	
	4460227	4	Pin, Male	
340K	4460536	1	Connector, Female 3- Position	
	4460943	3	Pin, Male	
340L	4460424	1	Receptacle, Female - 2 Position	
	4460226	2	Socket, Female	
341		1	Engine Harness Assembly (See Items 401-469 for Breakdown)	
	4923278		Caterpillar Engine Machines (SN 0300085332 to SN 0300099882)	
	4923585		Caterpillar Engine Machines (SN 0300099882 to SN 0300140000)	
	4923239		Deutz Engine Machines (SN 0300085332 to SN 0300129454)	
	1001102160		Deutz Engine Machines (SN 0300129454 to SN 0300140000)	
	4923277		Ford Engine Machines	
	4923502		GM Engine Machines	
342		1	Ground Control Box Wiring Diagram (Not Shown - See Items 501 to 517 for Breakdown)	
	4933337		Caterpillar Engine (SN 0300085332 to SN 0300099882)	
	4933376		Caterpillar Engine (SN 0300099882 to SN 0300140000)	
	4933323		Deutz Engine Machines (SN 0300085332 to SN 0300099882)	
	4933375		Deutz Engine Machines (SN 0300099882 to SN 0300140000)	
	4933336		Ford Engine Machines	
	4933357		GM Engine Machines (SN 0300085332 to SN 0300099882)	
	4933374		GM Engine Machines (SN 0300099882 to SN 0300140000)	
		Ref	ENGINE HARNESS ASSEMBLY	
	4923278	Ref	Caterpillar Engine (SN 0300085332 to SN 0300099882)	4/C
	4923585	Ref	Caterpillar Engine (SN 0300099882 to SN 0300140000)	D
	4923239	Ref	Deutz Engine (SN 0300085332 to SN 0300129454)	E
	1001102160	Ref	Deutz Engine (SN 0300129454 to SN 0300140000)	B
	4923277	Ref	Ford Engine	3/C
	4923502	Ref	GM Engine	D
401 to 416	Not Used			
417	4460424	1	Receptacle, Female - 2 Position	
418	4460268	2	Socket, Female	
419	4460880	2	DIN Connector without Diode	
420 to 421	Not Used			
422	4460891	2	Connector, Male - 2 Position (Caterpillar Engine Only)	
	4460465	7	Socket, Female	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
423	4461070	1	Receptacle, Female With Resistor (3 Position) (Deutz Engine Only)	
	4461095	1	Plug, Male - 3 Position (Deutz Engine Only)	
	4460944	3	Socket, Female (Deutz Engine Only)	
424	Not Used			
425	4460539	1	Connector, Male - 3 Position (Deutz & GM Engine Only)	
	4460944	3	Socket, Female (Deutz & GM Engine Only)	
426	Not Used			
427	4461070	3	Receptacle with Resistor (GM Engine Only)	
	4460944	1	Terminal, Gold (GM Engine Only)	
	4461095	1	Plug, Male - 3 Position (GM Engine Only)	
428 to 429	Not Used			
430	4460582	3	Terminal (Ford Engine Only)	
	4460580	1	Lock, Terminal (Ford Engine Only)	
	4460579	1	Housing - 3 Position (Ford Engine Only)	
431 to 432	Not Used			
433	4461052	1	Connector, Receptacle - 25 Position (Deutz Engine Only)	
	4461005	5	Terminal (Gold) (Deutz Engine Only)	
	4461006	5	Seal, Terminal (Deutz Engine Only)	
	4461060	2	Terminal (Tin) (Deutz Engine Only)	
	4461054	2	Seal, Terminal (Deutz Engine Only)	
	4461053	1	Cover, Plug (Deutz Engine Only)	
434	4460996	1	Connector, Female - 3 Position (Caterpillar Engines Only)	
	4460995	2	Terminal, Spade (Caterpillar Engines Only)	
435 to 437	Not Used			
438	4460460	1	Connector, Male - 4 Position	
	4460457	AR	Terminal, Female	
	4460458	AR	Seal, Terminal	
439	4460871	AR	Socket, Female	
440	4460539	1	Plug, Male - 3 Position (Caterpillar Engines Only)	
	4460465	3	Socket, Female (Caterpillar Engines Only)	
441	4460713	1	Connector, Housing 42 Position (Ford Engine Only)	
442	4460725	1	Connector Wedge Lock, Center (Ford Engine Only)	
443	4460726	2	Connector Wedge Lock, Side (Ford Engine Only)	
444	4460800	29	Connector, Plug (Ford Engine Only)	
445	4460799	7	Pin, Male (Ford Engine Only)	
446	4461121	1	Plug, Male - 4 Position (GM Engine Only)	
	4461122	4	Socket, Female (GM Engine Only)	
	4461123	4	Seal, Terminal (GM Engine Only)	
447	4461124	1	Receptacle, Female - 4 Position (GM Engine Only)	
	4460693	4	Pin, Male (GM Engine Only)	
	4460608	4	Seal, Terminal (GM Engine Only)	
	4461161	1	Lock, Terminal (GM Engine Only)	
448	4460728	3	Pin, Male (Ford Engine Only)	
449	4460792	1	Plug, Male - 1 Position (Caterpillar Engines Only)	
	4460339	3	Terminal (Caterpillar Engines Only)	
450	2400061	2	Fuse (Ford Engine Only)	
451	2400060	2	Holder, Fuse (Ford Engine Only)	
452	Not Used			

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
453	4460374	1	Plug, Sealed Relay (Deutz Engine Tier III) (SN 0300129454 to SN 0300140000)	
	4460375	4	Terminal (Deutz Engine Tier III) (SN 0300129454 to SN 0300140000)	
454	4460742	1	Plug, Male - 2 Position (Ford Engine Only)	
	4460457	2	Terminal, Female (Ford Engine Only)	
	4460458	2	Seal, Terminal (Ford Engine Only)	
455	4461109	1	Plug, Male - 16 Position (GM Engine Only)	
	4461111	7	Pin, Male (GM Engine Only)	
	4461113	16	Seal, Terminal (GM Engine Only)	
	4461222	9	Plug, Terminal (GM Engine Only)	
456 to 457	Not Used			
458	1001102290	1	Connector, 2 Position (Deutz Engine Tier III) (SN 0300129454 to SN 0300140000)	
	1001102304	2	Seal (Deutz Engine Tier III) (SN 0300129454 to SN 0300140000)	
	1001102291	2	Terminal, Receptacle (Deutz Engine Tier III) (SN 0300129454 to SN 0300140000)	
459 to 461	Not Used			
462	4460464	1	Pin, Male	
463	Not Used			
464	4460887	1	Terminal, Molex	
465 to 467	Not Used			
468	3730120	1	Resistor Assembly (Ford Engine Only)	
	4460978	1	Receptacle, Male - 2 Position	
	4460979	2	Pin, Male	
	4460458	2	Seal, Terminal	
	3730121	1	Resistor	
469	4461157	1	Receptacle, Female - 2 Position (GM Engine Only)	
	4460979	2	Pin, Male (GM Engine Only)	
	4460458	2	Seal, Terminal (GM Engine Only)	
		Ref	GROUND CONTROL BOX WIRING DIAGRAM	
	4933337	Ref	Caterpillar Engine (SN 0300085332 to SN 0300099882)	3/C
	4933376	Ref	Caterpillar Engine (SN 0300099882 to SN 0300140000)	D
	4933323	Ref	Deutz Engine (SN 0300085332 to SN 0300099882)	F
	4933375	Ref	Deutz Engine (SN 0300099882 to SN 0300140000)	D
	4933336	Ref	Ford Engine	2/B
	4933357	Ref	GM Engine (SN 0300085332 to SN 0300099882)	B
	4933374	Ref	GM Engine (SN 0300099882 to SN 0300140000)	D
501	2920129	AR	Bulb, Light	
502 to 504	Not Used			
505	2400065	1	Fuse, 30Amp	
506	2400066	1	Fuse, Holder	
507 to 509	Not Used			
510	4460708	2	Receptacle, Female - 15 Position	
	4460226	AR	Socket, Female	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
511	4922771	1	Harness, Angle Sensor (Boom Proximity Sensor)	
	1060902	9.5ft/2.9m	Cable - 18/2	
511A	4460226	2	Socket, Female	
511B	4460424	1	Receptacle, Female - 2 Position	
512	4460894	1	Plug, Male - 6 Position (Deutz & GM Engines - Caterpillar Engines SN 0300099882 to SN 0300140000)	
	4460892	1	Connector, Bussbar - 6 Position (Deutz & GM Engines - Caterpillar Engines SN 0300099882 to SN 0300140000)	
513	2902443	1	Receptacle Kit (Deutz Only)	
	4461071	8	Socket, Female	
	4461072	1	Receptacle	
	4461073	1	Cap, Dust	
	4461074	1	Shell, Black	
514	4922636	1	Harness, Jumper	
	4460226	2	Socket, Female	
515	4460539	1	Plug, Male - 3 Position (Caterpillar SN 0300099884 to SN 0300140000 Only)	
516	4923591	1	Harness, Jumper (Not Shown - Located on Module J7-6 to J7-17 Caterpillar Only)	
517	4460424	1	Receptacle, Female - 2 Position (SN 0300136458 to SN 0300140000)	
	4460226	2	Socket, Female (SN 0300136458 to SN 0300140000)	
		Ref	STANDARD HARNESS COMPONENTS	
601		1	Battery Cable Kit Options:	
	2902401		Caterpillar & Deutz Engines Machines	B
	2901608		Ford Engine Machines (SN 0300085332 to SN 0300087736)	B
	2902445		Ford Engine Machines (SN 0300087736 to SN 0300140000)	A
	2902533		GM Engine Machines	A
601A		1	Cable, Battery (Red) Options:	
	7016813		Caterpillar & Deutz Engines Machines SN 0300085332 to SN 0300138238) (Starter Cable terminates at the Start Relay)	
	7027027		Caterpillar & Deutz Engines Machines SN 0300138238 to SN 0300140000 (Starter Cable terminates at the Glow Plug Relay) (Not Shown)	
	7016800		Ford Engine Machines (SN 0300085332 to SN 0300087736)	
	7016821		Ford Engine Machines (SN 0300087736 to SN 0300140000)	
	7027015		GM Engine Machines	
601B		1	Cable, Battery (Black) Options:	
	7027012		Caterpillar & Deutz Engines Machines SN 0300085332 to SN 0300138238)	
	7027004		Caterpillar & Deutz Engines Machines SN 0300138238 to SN 0300140000	
	7016807		Ford Engine Machines (SN 0300085332 to SN 0300087736)	
	7016822		Ford Engine Machines (SN 0300087736 to SN 0300140000)	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
601B (cont'd)	7027018		GM Engine Machines	
601C	7016824	1	Cable (Red)	
601D		1	Cable (Red) Options:	
	7016803		Caterpillar & Deutz Engines Machines SN 0300085332 to SN 0300138238	
	Not Required		Caterpillar & Deutz Engines Machines SN 0300138238 to SN 0300140000 (Part of Item 601A p/n 7027027)	
	Not Required		Ford Engine Machines SN 0300087736 to SN 0300140000	
	Not Required		GM Engine Machines	
601E	7016825	1	Cable (Black)	
601F		1	Cable, Battery (Red) Options:	
	Not Required		Caterpillar & Deutz Engines Machines	
	7016808		Ford Engine Machines	
	7016825		GM Engine Machines	
602	1060904	1	Cable, Battery (Deutz Engine Machines Only)	
603	4922737	1	Harness, Relay Ground (Caterpillar Engine Machines Only)	
604	See Note	AR	Deutz Engine Harness Components (Deutz Engine Machines Only) (Note: Not Available at Time of Printing.)	
604A	7027796	1	Deutz Engine Harness	
604B	See Note	1	Receptacle, Female - 25 Position (Note: Not Available - Purchase Complete Harness)	
604C	7027793	1	Plug-In, Connector	
604D		1	Deutz Engine Harness Options (For other replacement parts refer to Deutz engine dealer):	
	7027794		Tier II Engines (SN 0300085332 to SN 0300129454)	
	70001872		Tier III Engines (SN 0300129454 to SN 0300140000)	
605	7027403	1	Ford Engine Harness (For other replacement parts refer to Ford engine dealer)	
606	See Note	1	Dual Fuel Shut-Off Filter Harness (Note: Not Available for Purchase.)	
606A	7023679	1	Electrical Connector Kit (Includes [1] 2 Position Connector, 2 Pins & 2 Seals)	
607	4922968	1	Dual Fuel Shut-Off Filter Extension Harness (Not Shown) (Ford Engines Only)	
607A	4460742	1	Connector, Male - 2 Position	
	4460458	2	Seal, Terminal	
	4460743	2	Socket, Female	
607B	4460978	1	Receptacle, Male - 2 Position	
	4460979	2	Pin, Male	
	4460458	2	Seal, Terminal	
608	See Note	1	Fuel Pump Harness (Caterpillar Engines Only) (Note: Not Available for Purchase.)	
	4460897	1	Receptacle, Female -2 Position (Caterpillar Engines Only)	
	4460464	2	Pin, Male (Caterpillar Engines Only)	
609	See Note	1	Throttle Actuator Harness (Caterpillar Engines Only) (Note: Not Available for Purchase.)	
	4460897	1	Receptacle, Female -2 Position (Caterpillar Engines Only)	
	4460464	2	Pin, Male (Caterpillar Engines Only)	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
610	See Note	1	Pump Harness (Note: Not Available for Purchase.)	
610A	7007497	1	Plug (Pump End)	
610B	7007498	1	Plug (Engine Harness End)	
611	See Note	1	Controller Harness Assembly (Lift and Swing) (Note: Not Available for Purchase.)	
611A	7022819	1	Plug, Male - 8 Position (Natural)	
	4460871	8	Socket, Female	
612	See Note	1	Controller Harness/Circuit Board Assembly (Drive and Steer) (Note: Not Available for Purchase.)	
612A	7022825	1	Plug, Male - 8 Position (Black)	
	4460871	7	Socket, Female	
613	See Note	1	Controller Harness (Speed Control) (Note: Not Available for Purchase.)	
613A	4460224	1	Receptacle, Female - 6 Position	
	4460226	6	Socket, Female	
614	4923379	1	Harness, Glowplug (SN 0300092776 to SN 0300140000)	
615	7027991	AR	GM Engine Harness Components (GM Engine Machines Only)	
616	4360544	2	Switch, Tilt Sensor (Includes Tilt Sensor)	
616A	4460911	2	Plug, Male Deutsch - 3 Position	
	4460918	6	Socket, Female	
	4460912	2	Lock, Wedge	
617	4360517	1	Harness, Boom Proximity Sensor (Includes Sensor)	
617A	4460320	1	Plug, Male - 2 Position	
	4460227	2	Pin, Male	
618	4360517	1	Harness, Swivel Coupling Sensor (Includes Sensor)	
618A	4460320	1	Plug, Male - 2 Position	
	4460227	2	Pin, Male	
		Ref	OPTIONAL HARNESS COMPONENTS	
701 to 702	Not Used			
703	0257887	1	Alarm Harness (Includes Alarm)	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
703A	4460424	1	Plug, Male - 2 Position	
703B	4460268	2	Socket, Female	
704	0272507	1	Strobe Light Harness Options (Includes Strobe Light):	
704A	4460320	1	Connector, Female - 2 Position	
704B	4460267	2	Pin, Male	
705	See Note	1	Headlight & Taillight/Chassis Illumination Harness (Note: Not Available for Purchase.)	
	1060341	AR	Cable, Electrical 16/2 Options:	
		37ft/11.3m	Headlights & Taillights	
		40ft/12.2m	Chassis Illumination Lights	
705A	3740049	1	Relay	
	4460259	3	Terminal	
	4460260	4	Housing, Terminal	
	4460297	1	Terminal	
	4922643	1	Lights Harness for Ground Control Box	
	4460226	2	Socket, Female	

1/A

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
706		AR	2500W Generator Electrical Components	
	4933300		ANSI Export Specs - Caterpillar/Deutz (SN 0300085332 to SN 0300122915)	2/A
	1001100027		ANSI Export Specs - Caterpillar/Deutz (SN 0300122915 to SN 0300140000)	3/C
	4933300		ANSI Specs - Caterpillar/Deutz/Ford Engines Only	2/A
	4933350		ANSI Specs - GM Engines Only	A
706A	4460321	1	Connector, Male - 4 Position (ANSI Spec Only)	
	4460906	4	Socket, Female	
706B	4922641	1	Harness - On/Off Switch	
706C	4460226	2	Socket, Female	
706D		1	Powermite Control Box to Relay	
	4922970		Caterpillar/Deutz/Ford Engines Only	
	4923445		GM Engines Only	
706E	4460961	1	Connector, Female - 4 Position (ANSI Spec Only)	
	4460705	4	Pin, Male	
706F	4460742	1	Plug, Male - 2 Position (GM Engine Only)	
	4460743	2	Socket, Female (GM Engine Only)	
	4460458	2	Seal, Terminal (GM Engine Only)	
706G	1001100305	1	Harness, Ground For Generator (ANSI Export Specs SN 0300122915 to SN 0300136123 Only)	
706H	7020193	1	Harness, Generator Power	
707		1	Generator to Rear of Boom Harness Options:	
		Ref	Note: Harness used to connect AC at platform harness to Powermite Generator Control Box receptacle.	
	4922741		110V GFI (ANSI Spec)	A
	4922742		220V GFI (ANSI Spec)	A
	4922743		ANSI Export Spec	A
		6ft/1.8m	Cable, Electrical - 10/3 Options:	
	1060708		ANSI Spec	
	1060545		ANSI Export Spec	
707A		1	Plug, Male Options:	
	4460205		110V GFI (ANSI Spec)	
	4460233		220V GFI (ANSI Spec)	
	See Note		ANSI Export Spec (Note: Not Available - Purchase Locally.)	
707B		1	Receptacle, Female Options:	
	4460134		110V GFI (ANSI Spec)	
	4460701		220V GFI (ANSI Spec)	
	See Note		ANSI Export Spec (Note: Not Available - Purchase Locally.)	
708			AC to Platform Receptacle Components Options:	
	0272259	Ref	110V GFI Receptacle (ANSI Spec)	3
	0272260	Ref	220V GFI Receptacle (ANSI Spec)	2
	0256202	Ref	(ANSI Export Spec)	5
708A	0860038	1	Box, Switch (ANSI Spec Only)	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
708B	4460346	1	Receptacle Options (ANSI Spec Only): 110V GFI	
	4460125		220V GFI	
708C	4060700	1	Shield, Cover Options (ANSI Spec Only): 110V GFI (Side Hinged Cover) (SN 0300085332 to SN 0300138287)	
	1001110873		110V GFI (Top Hinged Cover)) (SN 0300138287 to SN 0300140000)	
	4060092		220V GFI	
708D	4460051	1	Connector, Strain Relief (ANSI Spec Only):	
708E		1	Plug, Male Options:	
	4460205		110V GFI (ANSI Spec)	
	4460233		220V GFI (ANSI Spec)	
	See Note		ANSI Export Spec (Note: Not Available - Purchase Locally.)	
708F		1	Plug, Male Options:	
	4460205		110V GFI (ANSI Spec)	
	4460233		220V GFI (ANSI Spec)	
	4460709		ANSI Export Spec	
708G		1	Connector, Female Options:	
	4460134		110V GFI (ANSI Spec)	
	4460701		220V GFI (ANSI Spec)	
	4460710		ANSI Export Spec	
708H to 708J	Not Required			
708K	3960422	1	Gasket, Cover (ANSI Spec Only)	
709		Ref	7500W SkyPower Generator Installation	
	0273540	Ref	60Hz & Caterpillar Engine	J
	0273541	Ref	50Hz Spec & Caterpillar Engine	I
	0272344	Ref	60Hz & Deutz Engine	I
	0272643	Ref	50Hz Spec & Deutz Engine	F
	0272817	Ref	60Hz Spec & Ford Engine	E
	0275257	Ref	60Hz Spec & GM Engine	D
		Ref	Note: SkyPower generator is standard on ANSI & CSA Specs. Optional on All Other Specs.	
709A		1	Receptacle, Female Twist-Lock Options:	
	4460958		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709B		2	Gasket Options:	
	3960422		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709C		1	Cover, Receptacle Options:	
	4060700		60Hz Spec (Side Hinged Cover) (SN 0300085332 to SN 0300138287)	
	1001110873		60Hz Spec (Top Hinged Cover) (SN 0300138287 to SN 0300140000)	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
709D	4061043	1	Cover, Receptacle Options: 60Hz Spec (Side Hinged Cover) (SN 0300085332 to SN 0300138287)	C B
	1001110872		60Hz Spec (Top Hinged Cover) (SN 0300138287 to SN 0300140000)	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709E	4460346	1	Receptacle Options: 60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709F	4460051	1	Connector, Strain Relief	
709G	4460071	1	Connector, Strain Relief	
709H	4922925	1	Harness, Generator	
709J	See Note	1	Plug, Male - 6 Position (Note: Not Available for Purchase.)	
	See Note	6	Socket, Female (Note: Not Available for Purchase.)	
709K	4460225	1	Plug, Male - 6 Position	
	4460226	6	Socket, Female	
710		Ref	7500W SkyPower Generator Junction Box Components	
	0861542	Ref	60Hz Spec	
	0861567	Ref	50Hz Specs	
710A		2ft/.6m	Cable, Electrical 12/3	
	1060494		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
710B		2.5ft/.76m	Cable, Electrical 10/3	
	1060708		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
710C	1060343	1.5ft/.46m	Cable, Electrical 10/4 (60Hz Spec Only)	C 2/B 1/A 3/C 1/A 1/A
710D	4460425	2	Connector, Strain Relief	
710E		AR	Component Options:	
	4460426	2	Connector, Strain Relief (60Hz Spec Only)	
	4460426	1	Connector, Strain Relief (50Hz Spec Only)	
	3520189	1	Plug (50Hz Spec Only)	
710F	1671092	1	Cover (60Hz Spec Only)	
	4460963	1	Connector (60Hz Spec Only)	
711		Ref	7500W Generator Electrical Diagram Components	
	4933264	Ref	Caterpillar & Deutz Engine Machines	
	4933283	Ref	Ford Engine Machines	
	4933349	Ref	GM Engine Machines	
711A		1	Generator Harness Options:	
	4922757		Caterpillar & Deutz Engine Machines	
	4922905		Ford Engine Machines	
	4923420		GM Engine Machines	
711B	4460374	2	Plug, Sealed Relay	
	4460375	7	Terminal	
711C	4460967	1	Plug, Male - 3 Position	
	4460465	3	Socket, Female	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
711D	2400060	AR	Fuseholder Options:	
		1	Caterpillar, Deutz & GM Engine Machines	
		2	Ford Engine Machines	
	2400064	AR	Fuse - 5 Amp Options:	
		1	Caterpillar, Deutz & GM Engine Machines	
		2	Ford Engine Machines	
711E	4922641	1	Switch Harness	
711F	4460226	2	Socket, Female	
711G	4460742	1	Plug, Male - 2 Position (GM Engine Only)	
	4460743	2	Socket, Female (GM Engine Only)	
712	4933249	1	Floodlights Harness Components	2/A
712A	4460320	2	Plug, Male - 2 Position	
	4460227	4	Pin, Male	
712B	4922764	1	Floodlight Harness (Lights to Switch)	1/A
712C	4460424	2	Connector, Female - 2 Position	
	4460226	4	Socket, Female	
712D	4360232	1	Circuit Breaker - 15 Amp	
712E	1060977	1	Cord, 2 Wire Coiled (Console Box Circuit Breaker to Switch)	
712F	4460425	1	Connector, Strain Relief	
712G	4922883	1	Harness, Console Box to Aux Relay	
	1060708	120ft/36.6M	10/3 Cable	
713		AR	Platform Worklights Components	
713A	2920140	2	Platform Worklights External Harness (Includes Light & Wire Only)	
713B	4460426	1	Connector, Strain Relief	
713C	2400070	1	Fuse	
	2400066	1	Holder, Fuse	
713D		1	Harness, Console Box to Connector Options:	
	4922873		800S Harness (85ft/25.9m of 10/3 Cable P/N 1060708)	
	4922877		860SJ Harness (92ft/28m of 10/3 Cable P/N 1060708)	
713E	4922874	1	Harness, Connector to Aux Relay	
	1060708	11ft/3.4m	10/3 Cable	
713F		AR	Connector, Female - 3 Position Options (Platform Worklights Only):	
	4460459	1	SN 0300085332 to SN 0300117586	
	4460789	3	Terminal, Seal	
	4460790	3	Socket, Female	
	1001098234	1	SN 0300117586 to SN 0300140000	
713G		AR	Connector, Male - 3 Position Options (Platform Worklights Only):	
	4460476	1	SN 0300085332 to SN 0300117586	
	4460789	3	Terminal, Seal	
	4460790	3	Socket, Female	
	1001098349	1	SN 0300117586 to SN 0300140000	
714 to 714G	Not Required			
		Ref	TOOLS	
801	7002821	1	Crimper (For Wire to Pin/Socket Connections) (Not Shown)	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
802	7002823	1	Extractor (For Removal of Pin/Socket from Connectors) (Not Shown)	1/A
803	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
804	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
805	7002828	1	Stripper, Wire (Not Shown)	
806	2901443	1	Analyzer Kit (Not Shown)	
806A	1600244	1	Analyzer	
806B	1060633	1	Cable, Analyzer	
806C	4460321	2	Plug, Male	
	4460226	8	Socket, Female	

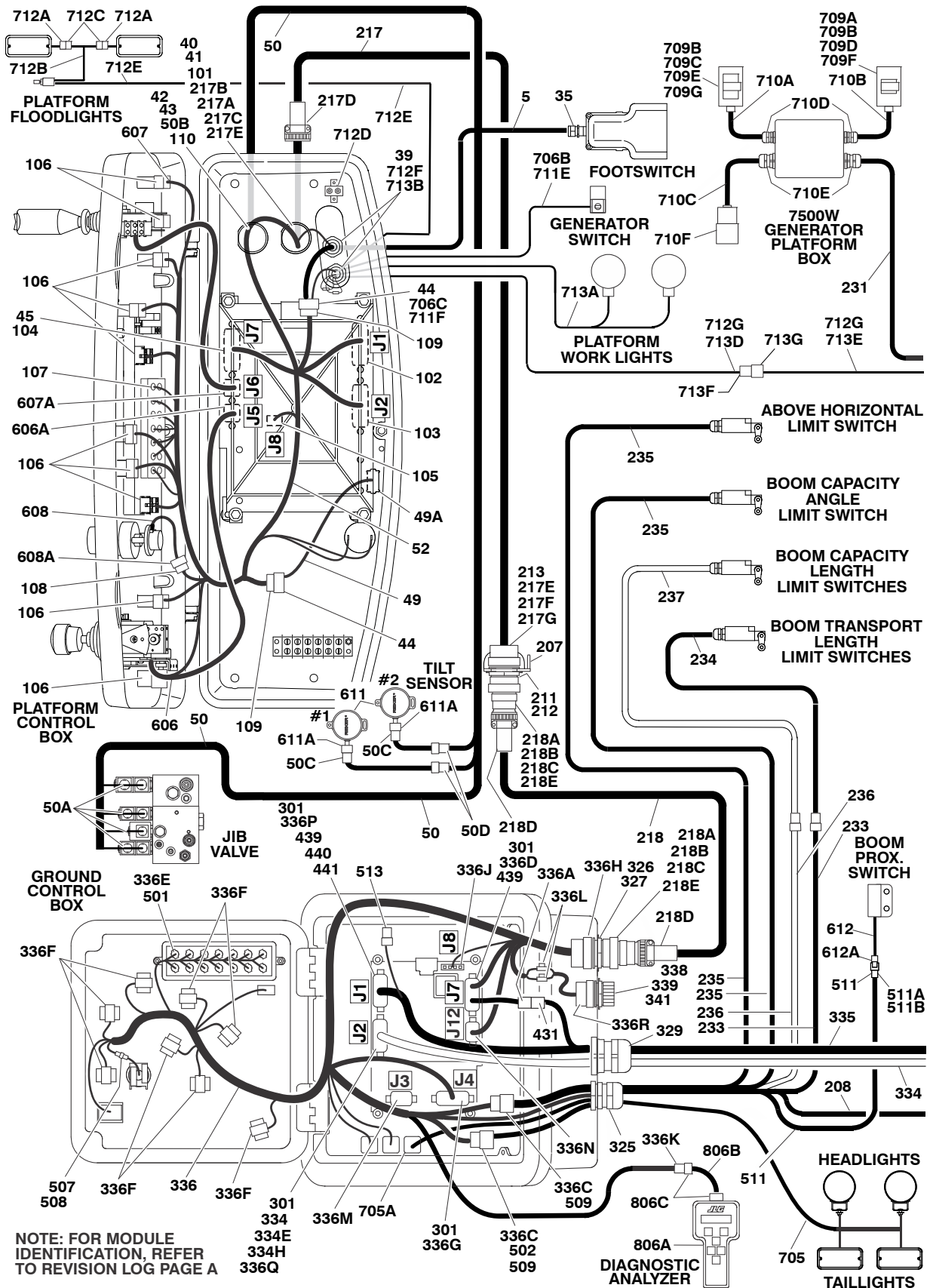
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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION (WITHOUT UGM) (SN 0300085332 TO SN 0300140000) (CONTINUED)

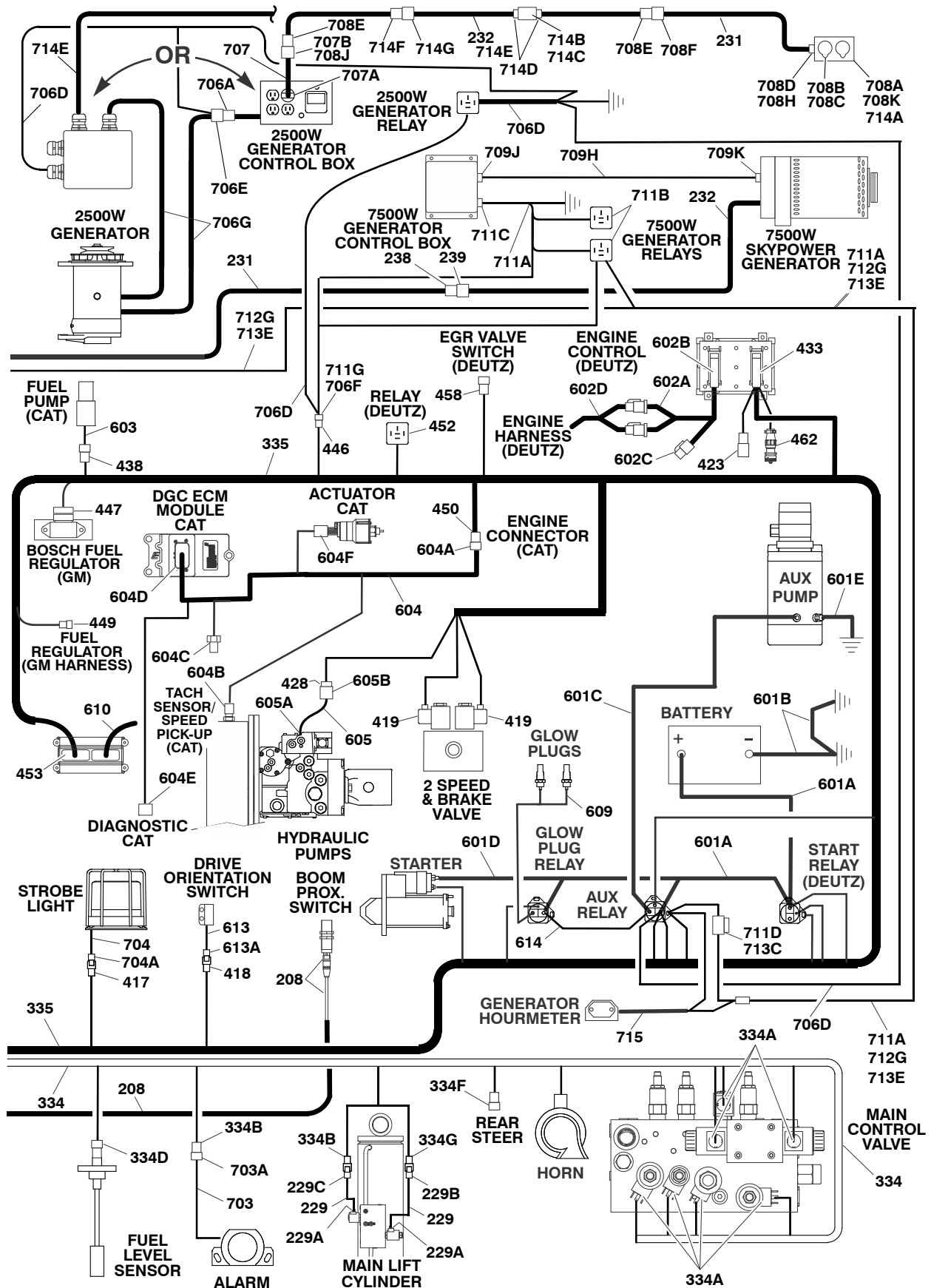
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM)



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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	NOTE: FOR MODULE IDENTIFICATION, REFER TO REVISION LOG PAGE A.	
	1001114896	Ref	PLATFORM CONSOLE BOX COMPONENTS	B
1 to 4	Not Used			
5	1060918	7ft/2.14m	Cable, Electrical - 18/3	
6 to 34	Not Used			
35	4460071	1	Connector, Strain Relief	
36 to 38	Not Used			
39	4460428	2	Connector, Strain Relief	
40	4460470	1	Nut, Terminal	
41	4460471	1	Lockwasher, Terminal	
42	4460496	1	Lockwasher, Terminal	
43	4460497	1	Nut, Terminal	
44	4460708	2	Receptacle - 15 Position	
45	4460905	5	Seal, Plug	
46 to 48	Not Used			
49	4922666	1	Harness, Analyzer Cable	2/B
	4460226	4	Socket, Female (Not Shown - Located at J2)	
49A	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
50	4922749	1	Harness, Upper Valve	2/A
50A	4460880	7	Connector, DIN	
50B	4460928	8	Socket, Female	
	4460918	8	Socket, Female	
	4460926	1	Connector, Deutsch - 21 Position	
50C	4460913	2	Lock Wedge - 3 Position	
	4460910	2	Connector, Female Deutsch - 3 Position	
	4460917	6	Pin, Male	
50D	1560012	2	Connector, Strain Relief	
51	Not Used			
52	1001107796	1	Harness, Platform Box (See Items 101-110 for Breakdown)	
	1001107796	Ref	PLATFORM BOX HARNESS ASSEMBLY	C
101	4460866	1	Connector - 19 Pin	
	4460929	10	Pin, Male Deutsch 16 Ga	
	4460508	3	Pin, Male Deutsch 12 Ga	
102	4460874	1	Connector - 35 Position (Natural)	
	4460871	23	Socket, Female	
103	4460876	1	Connector - 35 Position (Blue)	
	4460871	23	Socket, Female	
104	4460873	1	Connector - 35 Position (Black)	
	4460871	28	Socket, Female	
105	4460879	1	Connector, Male 2 Position	
	4460887	2	Terminal (12 Gauge)	
106	4460418	7	Connector, Female - 6 Position	
	4460419	21	Socket, Female	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
107	4460225	4	Plug, Male - 6 Position	
	4460226	18	Terminal (16 Gauge)	
108	4460225	1	Plug, Male - 6 Position	
	4460227	5	Pin, Male	
109	4460434	2	Plug, Male - 15 Position	
	4460227	AR	Pin, Male	
110	4460925	1	Connector - 21 Pin	
	4460929	8	Pin, Male Deutsch 16 Ga	
	4460917	8	Pin, Male Deutsch 12 Ga	
		Ref	BOOM CABLES INSTALLATION	
	0271322	Ref	800S	I
	0272388	Ref	800S (Sky Welder)	F
	1001091609	Ref	800S (With Arctic Package)	C
	1001091664	Ref	800S (With 7500W Generator and Arctic Package)	D
	0271324	Ref	860SJ	I
	0272389	Ref	860SJ (Sky Welder)	E
	0275586	Ref	860SJ (With Arctic Package)	B
	1001091665	Ref	860SJ (With 7500W Generator and Arctic Package)	D
201 to 206	Not Used			
207	3573047	1	Plate, Receptacle Mounting	
208	4360506	1	Proximity Switch and Harness Assembly	
209 to 210	Not Used			
211	4460470	1	Nut, Terminal	
212	4460471	1	Lockwasher, Terminal	
213	4460866	1	Connector - 19 Position	
214 to 216	Not Used			
217		1	Harness Assembly - Main Boom (12/4 -18/8) Options:	
	4922566		800S	2/B
	1001091618		800S (With Arctic Package)	1/A
	4922567		860SJ	3/C
	4923595		860SJ (With Arctic Package)	1/A
		AR	Cable, Electrical - 12/4&18/8 Options:	
	1060896	85ft/26m	800S	
	4923462	85ft/26m	800S (With Arctic Package)	
	1060896	95ft/29m	860SJ	
	4923462	95ft/29m	860SJ (With Arctic Package)	
	2820031	4in/9cm	Heat Shrink	
217A	4460465	11	Socket, Female 18 Gauge	
217B	4460865	1	Connector - 19 Position	
217C	4460509	4	Socket, Female 12 Gauge	
217D	4460473	1	Clamp. Cable	
217E	4460466	8	Seal, Plug	
217F	4460464	11	Pin, Male 18 Gauge	
217G	4460508	4	Pin, Male 12 Gauge	
218		1	Harness Assembly - Tower Boom (12/4 - 18/8) Options:	
	4922569		Standard & Sky Welder	1/A
	4923596		Arctic Package	2/B

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
218 (cont'd)	1060896	20ft/6.1m	Cable, Electrical - 12/4&18/8 Options:	
	4923462		Standard & Sky Welder	
			With Arctic Package	
218A	4460465	22	Socket, Female 18 Gauge	
218B	4460865	2	Connector - 19 Position	
218C	4460509	8	Socket, Female 12 Gauge	
218D	4460473	2	Clamp. Cable	
218E	4460466	8	Seal, Plug	
219 to 228	Not Used			
229		1	Holding Valve/Lift Dump Harness Assembly Options: (Note: This is actually two separate harnesses under the same p/n)	
	4922660	1	Standard & Sky Welder	2/D
	4923597	1	With Arctic Package	1/A
229A	4460880	2	Connector, DIN	
229B	4460320	1	Plug, Male - 2 Position	
	4460226	2	Socket, Female	
229C	4460424	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
230	Not Used			
231		1	Harness Options (To Bulkhead):	
			800S:	
	4922873		Harness, 110V A/C - Standard	
	4922790		Harness, 8/5 Cable - Sky Welder	
	1001091620		Harness, 8/5 Cable - With Arctic Package	
	4922790		Harness, 8/5 Cable - With 7500W Generator and Arctic Package	
			860SJ:	
	4922877		Harness, 110V A/C - Standard	
	4922808		Harness, 8/5 Cable - Sky Welder	
	4923600		Harness, 8/5 Cable - With Arctic Package	
	4922808		Harness, 8/5 Cable - With 7500W Generator and Arctic Package	
232		1	Harness Options (To Generator Box):	
	4922874		Harness, 110V A/C (Standard)	
	4922809		Harness, 8/5 Cable (Sky Welder)	
	4923601		Harness, 8/5 Cable (With Arctic Package)	
	4922809		Harness, 8/5 Cable - With 7500W Generator and Arctic Package	
233		1	Harness, Limit Switch Lower Options (To Boom Transport Length Limit Switch):	
	4922872		Standard & Sky Welder	
	4923599		With Arctic Package	
		20ft/6m	Cable, Electrical - 18/2 Options:	
	1060902		Standard & Sky Welder	
	4923466		With Arctic Package	
	4460465	2	Socket, Female	
	4460891	1	Plug, Male - 2 Position	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
234	4922871 4923598	1 34ft/10.4m	Harness, Limit Switch Upper Options (To Boom Transport Length Limit Switch): Standard & Sky Welder With Arctic Package Cable, Electrical - 18/2 Options: Standard & Sky Welder With Arctic Package	
	1060902 4923466 4460464 4460897	2 1	Pin, Male Receptacle, Female - 2 Position	
235	1061018 1061019	AR 2 2	Cable, Electrical - 18/2 800S 860SJ	
236	1001098908 1001098910	1 20ft/6m	Harness, Limit Switch Lower Options (To Boom Capacity Length Switch): Standard & Sky Welder With Arctic Package Cable, Electrical - 18/2 Options: Standard & Sky Welder With Arctic Package	
	1060902 4923466 4460464 4460897	2 1 1	Pin, Male Plug, Male - 2 Position	
237	1001098909 1001098911	1 34ft/10.4m	Harness, Limit Switch Upper Options (To Boom Capacity Length Switch): Standard & Sky Welder With Arctic Package Cable, Electrical - 18/2 Options: Standard & Sky Welder With Arctic Package	
	4460465 4460891	2 1	Socket, Female Plug, Male - 2 Position	
238	4460959 1671092	1 1	Terminal, Turnlok Plug (With 7500W Generator) Cover, Female Connector	
239	4460960 1671093	1 1	Terminal, Turnlok Connector (With 7500W Generator) Cover, Male Connector	
		Ref	GROUND CONTROL BOX COMPONENTS	
301	0100048	AR	Grease, Dielectric	
302 to 324	Not Used			
325	4460426	1	Connector, Strain Relief	
326	4460470	1	Nut, Terminal	
327	4460471	1	Locknut, Terminal	
328	Not Used			
329	4460526	1	Connector, Strain Relief	
330 to 333	Not Used			
334	4922594	1	Valve Harness Assembly	7/K
334A	4460880	7	DIN Connector	
334B	4460320 4460267	2 4	Plug, Male - 2 Position Pin, Male	
334C	Not Used			

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
334D	4460834	1	Connector, Female - 2 Position	B
	4460842	2	Terminal, Female	
334E	4460871	22	Socket, Female	
334F	4460225	1	Plug, Male - 6 Position	
	4460267	6	Pin, Male	
334G	4460424	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
334H	4460226	1	Socket, Female	
335		1	Engine Harness Assembly (See Items 401-462 for Breakdown)	
	1001110341		Caterpillar Engine Machines	
	1001110340		Deutz Engine Machines	
	1001110338		GM Engine Machines	
336	1001110339	1	Ground Control Box Harness Assembly	
336A	4460536	1	Connector, Female 3- Position	
	4460943	3	Pin, Male	
336B	3990010	2	Diode - 6 Amp (Not Shown - Located at Power Down Relay)	
336C	4460434	2	Plug, Male - 15 Position	
	4460227	21	Pin, Male	
336D	4460873	1	Connector - 35 Position (Black)	
	4460871	19	Socket, Female	
	4460905	1	Seal, Plug	
336E	4120035	6	Base, Light	
	4460634	7	Terminal (16 Gauge)	
	4460635	5	Terminal (12 Gauge)	
336F	4460418	7	Connector, Female - 6 Position	
	4460419	21	Socket, Female	
336G	4460876	1	Connector - 35 Position (Blue)	
	4460871	24	Socket, Female	
	4460905	1	Seal, Plug	
336H	4460866	1	Connector - 19 Pin	
	4460464	10	Pin, Male Deutsch 16 Ga	
	4460508	3	Pin, Male Deutsch 12 Ga	
336J	4460878	1	Housing, Terminal - 4 Position	
	4460887	3	Terminal (12 Gauge)	
336K	4460761	1	Connector, Female 4 - Position	
	4460227	4	Pin, Male	
336L	8229242	2	Fuse 5A	
	2400060	2	Holder, Fuse	
336M	1001106339	1	Connector, Male - 14 Position	
	4460871	2	Socket, Female	
336N	1001106340	1	Connector, Male - 14 Position	
	4460871	5	Socket, Female	
336P	4460874	1	Connector, Natural	
	4460871	10	Socket, Female	
336Q	4460875	1	Connector, Gray	
	4460871	5	Socket, Female	
336R	1001112612	1	Connector - 9 Position	
	4460943	4	Pin, Male	

SECTION 7 ELECTRICAL

FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
337		1	Ground Control Box Wiring Diagram (Not Shown - See Items 501 to 513 for Breakdown)	
	1001110344		Caterpillar Engine	
	1001110343		Deutz Engine Machines	
	1001110342		GM Engine Machines	
338	4460496	1	Lockwasher, Terminal	
339	4460497	1	Nut, Terminal	
340	Not Used			
341	1001106736	1	Cap, Dust	
		Ref	ENGINE HARNESS ASSEMBLY	
	1001110341	Ref	Caterpillar Engine	B
	1001110340	Ref	Deutz Engine	A
	1001110338	Ref	GM Engine	A
401 to 416	Not Used			
417	4460424	1	Receptacle, Female - 2 Position	
	4460268	2	Socket, Female	
418	4460424	1	Receptacle, Female - 2 Position	
	4460226	2	Socket, Female	
419	4460880	2	DIN Connector without Diode	
420 to 422	Not Used			
423	4461070	1	Receptacle, Female With Resistor (3 Position) (Deutz Engine Only)	
	4461095	1	Plug, Male - 3 Position (Deutz Engine Only)	
	4460944	3	Socket, Female (Deutz Engine Only)	
424 to 427	Not Used			
428	4460460	1	Connector, Male - 4 Position	
	4460457	4	Terminal, Female	
	4460458	4	Seal, Terminal	
429 to 430	Not Used			
431	4460539	1	Plug, Male - 3 Position	
	4460944	3	Socket, Female	
432	Not Used			
433	4461052	1	Connector, Receptacle - 25 Position (Deutz Engine Only)	
	4461005	5	Terminal (Gold) (Deutz Engine Only)	
	4461006	5	Seal, Terminal (Deutz Engine Only)	
	4461060	2	Terminal (Tin) (Deutz Engine Only)	
	4461054	2	Seal, Terminal (Deutz Engine Only)	
	4461053	1	Cover, Plug (Deutz Engine Only)	
	4461008	18	Plug, Hole (Deutz Engine Only)	
434 to 437	Not Used			
438	4460891	2	Connector, Male - 2 Position (Caterpillar Engine Only)	
	4460465	7	Socket, Female	
439	4460871	AR	Socket, Female	
440	4460464	1	Pin, Male	
441	4460887	1	Terminal, Molex	
442 to 445	Not Used			

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
446	4461157	1	Receptacle, Female - 2 Position	
	4460979	2	Pin, Male	
	4460458	2	Seal, Terminal	
447	4461121	1	Plug, Male - 4 Position (GM Engine Only)	
	4461122	4	Socket, Female (GM Engine Only)	
	4461123	4	Seal, Terminal (GM Engine Only)	
448	Not Used			
449	4461124	1	Receptacle, Female - 4 Position (GM Engine Only)	
	4460693	4	Pin, Male (GM Engine Only)	
	4460608	4	Seal, Terminal (GM Engine Only)	
	4461161	1	Lock, Terminal (GM Engine Only)	
450	4460899	1	Connector - 6 Position (Caterpillar Engines Only)	
	4460464	5	Pin, Male (Caterpillar Engines Only)	
	4460466	1	Seal, Plug (Caterpillar Engines Only)	
451	Not Used			
452	4460374	1	Plug, Sealed Relay (Deutz Engine)	
	4460375	4	Terminal (Deutz Engine)	
453	4461109	1	Plug, Male - 16 Position (GM Engine Only)	
	4461111	7	Pin, Male (GM Engine Only)	
	4461113	7	Seal, Terminal (GM Engine Only)	
	4461222	9	Plug, Terminal (GM Engine Only)	
454 to 457	Not Used			
458	1001102290	1	Connector, 2 Position (Deutz Engine)	
	1001102304	2	Seal (Deutz Engine)	
	1001102291	2	Terminal, Receptacle (Deutz Engine)	
459 to 461	Not Used			
462	2902443	1	Kit, Receptacle (Deutz Engine Only)	
	4461071	8	Terminal, Female (Gold) (Deutz Engine Only)	
	4461072	1	Connector, Flange Mount (Deutz Engine Only)	
	4461073	1	Connector, Dust Cap (Deutz Engine Only)	
	4461074	1	Connector, Shell (Deutz Engine Only)	
		Ref	GROUND CONTROL BOX WIRING DIAGRAM	
	1001110344	Ref	Caterpillar Engine	A
	1001110343	Ref	Deutz Engine	A
	1001110342	Ref	GM Engine	A
501	2920129	AR	Bulb, Light	
502	4922636	1	Harness, Jumper	
	4460226	2	Socket, Female	
503 to 506	Not Used			
507	2400065	1	Fuse, 30Amp	
508	2400066	1	Fuse, Holder	
509	4460708	2	Receptacle, Female - 15 Position	
	4460226	13	Socket, Female	
510	Not Used			
511	4922771	1	Harness, Angle Sensor (Boom Proximity Sensor)	
	1060902	9.5ft/2.9m	Cable - 18/2	
511A	4460226	2	Socket, Female	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
511B	4460424	1	Receptacle, Female - 2 Position	
512	Not Used			
513	4460894	1	Plug, Male - 6 Position	
	4460892	1	Connector, Bussbar - 6 Position	
		Ref	STANDARD HARNESS COMPONENTS	
601		1	Battery Cable Kit Options:	
	1001112762		Caterpillar Engines Machines	B
	2902401		Deutz Engines Machines	B
	2902533		GM Engine Machines	C
601A		1	Cable, Battery (Red) Options:	
	7027028		Caterpillar Engines Machines (Battery to Glow Plug Relay to Aux Relay to Starter)	
	7027027		Deutz Engines Machines (Battery to Start Relay to Aux Relay to Glow Plug Relay to Starter)	
	7027015		GM Engine Machines (Battery to Aux Relay to Starter)	
601B		1	Cable, Battery (Black) Options:	
	7027029		Caterpillar Engines Machines	
	7027004		Deutz Engines Machines	
	7027018		GM Engine Machines	
601C		1	Cable (Red) Options:	
	7027030		Caterpillar Engines Machines	
	7016824		Deutz & GM Engines Machines	
601D		1	Cable, Battery (Red) Options:	
	Not Required		Caterpillar & Deutz Engines Machines	
	7027017		GM Engine Machines	
601E		1	Cable (Black) Options:	
	7027031		Caterpillar Engines Machines1	
	7016825		Deutz & GM Engine Machines	
602	See Note	AR	Deutz Engine Harness Components (Deutz Engine Machines Only) (Note: Not Available at Time of Printing)	
602A	7027796	1	Deutz Engine Harness	
602B	See Note	1	Receptacle, Female - 25 Position (Note: Not Available - Purchase Complete Harness)	
602C	7027793	1	Plug-In, Connector	
602D	70001872	1	Deutz Tier III Engine Harness (For other replacement parts refer to Deutz engine dealer):	
603	See Note	1	Fuel Pump Harness (Caterpillar Engines Only) (Note: Not Available for Purchase.)	
	4460897	1	Receptacle, Female -2 Position (Caterpillar Engines Only)	
	4460464	2	Pin, Male (Caterpillar Engines Only)	
604	1001112071	1	Caterpillar Engine Harness Components (Caterpillar Engine Machines Only)	B
	70004318	1	Fuse 5 Amp (at Fuse Box F1)	
	70004319	3	Fuse 10Amp (at Fuse Box F2, F3 & F4)	
	70004316	1	Relay, Starter (at Fuse Box)	
	70004317	2	Relay, Shut-Off & Glow Plug Control 25Amp (at Fuse Box)	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
604A	4460894	1	Plug, Male - 6 Position	
	4460465	5	Socket, Female	
	4460466	1	Seal, Plug	
604B	4460891	1	Plug, Male - 2 Position	
	4460465	2	Socket, Female	
604C	4460891	1	Plug, Male - 2 Position	
	4460465	2	Socket, Female	
604D	70020808	1	Plug, Male - 23 Position	
	70020809	16	Socket, Female	
604E	See Note	1	Connector - 8 Position (Note: Not Available for Purchase.)	
604F	See Note	1	Connector - 5 Position (Note: Not Available for Purchase.)	
605	See Note	1	Pump Harness (Note: Not Available for Purchase.)	
605A	7007497	1	Plug (Pump End)	
605B	7007498	1	Plug (Engine Harness End)	
606	See Note	1	Controller Harness Assembly (Lift and Swing) (Note: Not Available for Purchase.)	
606A	7022819	1	Plug, Male - 8 Position (Natural)	
	4460871	8	Socket, Female	
607	See Note	1	Controller Harness/Circuit Board Assembly (Drive and Steer) (Note: Not Available for Purchase.)	
607A	7022825	1	Plug, Male - 8 Position (Black)	
	4460871	7	Socket, Female	
608	See Note	1	Controller Harness (Speed Control) (Note: Not Available for Purchase.)	
608A	4460224	1	Receptacle, Female - 6 Position	
	4460226	6	Socket, Female	
609	4923379	1	Harness, Glowplug	
610	7027991	AR	GM Engine Harness Components (GM Engine Machines Only)	
611	4360544	2	Switch, Tilt Sensor (Includes Tilt Sensor)	
611A	4460911	2	Plug, Male Deutsch - 3 Position	
	4460918	6	Socket, Female	
	4460912	2	Lock, Wedge	
612	4360517	1	Harness, Boom Proximity Sensor (Includes Sensor)	
612A	4460320	1	Plug, Male - 2 Position	
	4460227	2	Pin, Male	
613	4360517	1	Harness, Swivel Coupling Sensor (Includes Sensor)	
613A	4460320	1	Plug, Male - 2 Position	
	4460227	2	Pin, Male	
614	1060904	1	Cable, Battery (Deutz Engine Machines Only)	
		Ref	OPTIONAL HARNESS COMPONENTS	
701 to 702	Not Used			
703	0257887	1	Alarm Harness (Includes Alarm)	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
703A	4460424	1	Plug, Male - 2 Position	
	4460268	2	Socket, Female	
704	0272507	1	Strobe Light Harness Options (Includes Strobe Light):	

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
704A	4460320	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
705	See Note	1	Headlight & Taillight/Chassis Illumination Harness (Note: Not Available for Purchase.)	
	1060341	AR	Cable, Electrical 16/2 Options:	
		37ft/11.3m	Headlights & Taillights	
		40ft/12.2m	Chassis Illumination Lights	
705A	3740049	1	Relay	
	4460259	3	Terminal	
	4460260	4	Housing, Terminal	
	4460297	1	Terminal	
	4922643	1	Lights Harness for Ground Control Box	1/A
	4460226	2	Socket, Female	
706		AR	2500W Generator Electrical Components	
	1001112588		ANSI Specs - Caterpillar/Deutz Engines Only	A
	1001112743		ANSI Export Specs - Caterpillar/Deutz Engines Only	A
	4933350		ANSI Specs - GM Engines Only	B
706A	4460321	1	Connector, Male - 4 Position (ANSI Spec Only)	
	4460906	4	Socket, Female	
706B	4922641	1	Harness - On/Off Switch	
706C	4460226	2	Socket, Female	
706D		1	Powermite Control Box to Relay Options:	
	1001112589		Caterpillar & Deutz Engines	
	4923445		GM Engines	
	4460374	1	Plug, Sealed Relay	
	4460375	3	Terminal	
	4460742	1	Plug, Male - 2 Position	
	4460743	1	Socket, Female	
	4460458	1	Seal, Terminal	
706E	4460961	1	Connector, Female - 4 Position (ANSI Spec Only)	
	4460705	4	Pin, Male	
706F	4460742	1	Plug, Male - 2 Position (GM Engine Only)	
	4460743	2	Socket, Female (GM Engine Only)	
	4460458	2	Seal, Terminal (GM Engine Only)	
706G	7020193	1	Harness, Generator Power	
707	4922741	1	Generator to Rear of Boom Harness	
		Ref	Note: Harness used to connect AC at platform harness to Powermite Generator Control Box receptacle.	
	1060708	6ft/1.8m	Cable, Electrical - 10/3	
707A	4460205	1	Plug, Male	
707B	4460134	1	Receptacle, Female	
708			AC to Platform Receptacle Components Options:	
	0272259	Ref	110V GFI Receptacle (ANSI Spec)	3
	0272260	Ref	220V GFI Receptacle (ANSI Spec)	2
	0256202	Ref	ANSI Export Spec	5
708A	0860038	1	Box, Switch (ANSI Spec Only)	
708B		1	Receptacle Options (ANSI Spec Only):	
	4460346		110V GFI	
	4460125		220V GFI	

SECTION 7 ELECTRICAL

FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
708C	1001110873	1	Shield, Cover Options (ANSI Spec Only):	
	4060092		110V GFI (Top Hinged Cover)	
			220V GFI	
708D	4460051	1	Connector, Strain Relief (ANSI Spec Only):	
708E		2	Plug, Male Options:	
	4460205		110V GFI (ANSI Spec)	
	4460233		220V GFI (ANSI Spec)	
	See Note		ANSI Export Spec (Note: Not Available - Purchase Locally.)	
708F		1	Connector, Female Options:	
	4460134		110V GFI (ANSI Spec)	
	4460701		220V GFI (ANSI Spec)	
	4460710		ANSI Export Spec	
708G to 708J	Not Required			
708K	3960422	1	Gasket, Cover (ANSI Spec Only)	
709		Ref	7500W SkyPower Generator Installation	
	1001115398	Ref	60Hz & Caterpillar Engine	A
	1001115400	Ref	50Hz Spec & Caterpillar Engine	A
	1001115388	Ref	60Hz & Deutz Engine	A
	1001115394	Ref	50Hz Spec & Deutz Engine	A
	0275257	Ref	60Hz Spec & GM Engine	D
		Ref	Note: SkyPower generator is standard on ANSI & CSA Specs. Optional on All Other Specs.	
709A		1	Receptacle, Female Twist-Lock Options:	
	4460958		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709B		2	Gasket Options:	
	3960422		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709C		1	Cover, Receptacle Options:	
	1001110873		60Hz Spec (Top Hinged Cover)	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709D		1	Cover, Receptacle Options:	
	1001110872		60Hz Spec (Top Hinged Cover)	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709E		1	Receptacle Options:	
	4460346		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709F	4460051	1	Connector, Strain Relief	
709G	4460071	1	Connector, Strain Relief	
709H	4922925	1	Harness, Generator	
709J	See Note	1	Plug, Male - 6 Position (Note: Not Available for Purchase.)	
	See Note	6	Socket, Female (Note: Not Available for Purchase.)	
709K	4460225	1	Plug, Male - 6 Position	
	4460226	6	Socket, Female	
710		Ref	7500W SkyPower Generator Junction Box Components	
	0861542	Ref	60Hz Spec	C
	0861567	Ref	50Hz Specs	B

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FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
710A	1060494 See Note	2ft/.6m	Cable, Electrical 12/3 60Hz Spec 50Hz Spec (Note: Not Available - Purchase Locally.)	
710B	1060708 See Note	2.5ft/.76m	Cable, Electrical 10/3 60Hz Spec 50Hz Spec (Note: Not Available - Purchase Locally.)	
710C	1060343	1.5ft/.46m	Cable, Electrical 10/4 (60Hz Spec Only)	
710D	4460425	2	Connector, Strain Relief	
710E		AR	Component Options:	
	4460426	2	Connector, Strain Relief (60Hz Spec Only)	
	4460426	1	Connector, Strain Relief (50Hz Spec Only)	
	3520189	1	Plug (50Hz Spec Only)	
710F	1671092	1	Cover (60Hz Spec Only)	
	4460963	1	Connector (60Hz Spec Only)	
711		Ref	7500W Generator Electrical Diagram Components	
	1001112586	Ref	Caterpillar & Deutz Engine Machines	A
	4933349	Ref	GM Engine Machines	1/A
711A		1	Generator Harness Options:	
	1001112587		Caterpillar & Deutz Engine Machines	A
	4923420		GM Engine Machines	1/A
711B	4460374	2	Plug, Sealed Relay	
	4460375	7	Terminal	
711C	4460967	1	Plug, Male - 3 Position	
	4460465	3	Socket, Female	
711D	2400060	1	Fuseholder	
	2400064	1	Fuse - 5 Amp	
711E	4922641	1	Switch Harness	
711F	4460226	2	Socket, Female	
711G	4460742	1	Plug, Male - 2 Position (GM Engine Only)	
	4460743	2	Socket, Female (GM Engine Only)	
712	4933249	1	Floodlights Harness Components	2/A
712A	4460320	2	Plug, Male - 2 Position	
	4460227	4	Pin, Male	
712B	4922764	1	Floodlight Harness (Lights to Switch)	1/A
712C	4460424	2	Connector, Female - 2 Position	
	4460226	4	Socket, Female	
712D	4360232	1	Circuit Breaker - 15 Amp	
712E	1060977	1	Cord, 2 Wire Coiled (Console Box Circuit Breaker to Switch)	
712F	4460425	1	Connector, Strain Relief	
712G	4922883	1	Harness, Console Box to Aux Relay	
	1060708	120ft/36.6M	10/3 Cable	
713		AR	Platform Worklights Components	
713A	2920140	2	Platform Worklights External Harness (Includes Light & Wire Only)	
713B	4460426	1	Connector, Strain Relief	
713C	2400070	1	Fuse	
	2400066	1	Holder, Fuse	

SECTION 7 ELECTRICAL

FIGURE 7-4. HARNESS COMPONENTS INSTALLATION (WITH UGM) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
713D	4922873	1	Harness, Console Box to Connector Options:	A
	4922877		800S Harness (85ft/25.9m of 10/3 Cable P/N 1060708)	
			860SJ Harness (92ft/28m of 10/3 Cable P/N 1060708)	
713E	4922874	1	Harness, Connector to Aux Relay	
	1060708	11ft/3.4m	10/3 Cable	
713F	1001098234	1	Connector, Female - 3 Position (Platform Worklights Only)	
713G	1001098349	1	Connector, Male - 3 Position (Platform Worklights Only)	
714 to 714G	Not Required			
715	1001094509	1	Generator Hourmeter Harness	
		Ref	TOOLS	
801	7002821	1	Crimper (For Wire to Pin/Socket Connections) (Not Shown)	1/A
802	7002823	1	Extractor (For Removal of Pin/Socket from Connectors) (Not Shown)	
803	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
804	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
805	7002828	1	Stripper, Wire (Not Shown)	
806	2901443	1	Analyzer Kit (Not Shown)	
806A	1600244	1	Analyzer	
806B	1060633	1	Cable, Analyzer	
806C	4460321	2	Plug, Male	
	4460226	8	Socket, Female	

SECTION 8 DECALS

SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (PRIOR TO SN 0300088933)

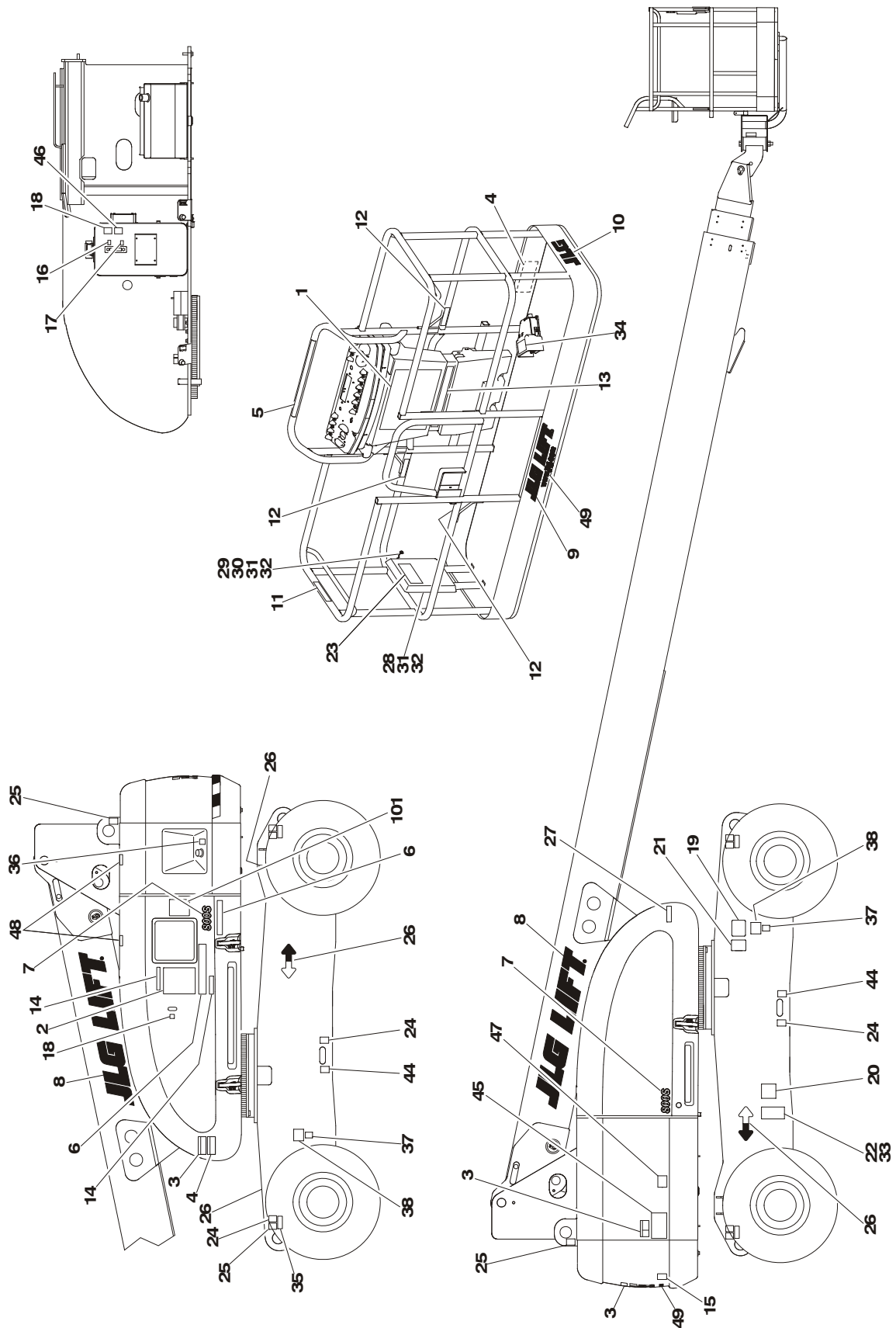


FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (PRIOR TO SN 0300088933)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STANDARD DECAL INSTALLATIONS	
	0270907	Ref	800S (Prior to SN 0300067916)	2
	0272533	Ref	800S (SN 0300067916 to SN 0300088933)	1
	0270908	Ref	860SJ (Prior to SN 0300067916)	2
	0272554	Ref	860SJ (SN 0300067916 to SN 0300088933)	1
	0271386	Ref	JLG Logo Decals	3
1	1703797	1	Decal - Danger/Warning	
2	1703798	1	Decal - Danger/Warning	
3	1703805	3	Decal - Danger/Electrocution	
4	1703804	3	Decal - Warning/Crushing	
5	1705015	1	Decal - Legend	
6	1703808	1	Decal - Legend	
7		2	Decal - Model Options:	
	1704906		800S	
	1704907		860SJ	
8	1702861	2	Decal - JLG Lift (8in)	
9	1702774	1	Decal - JLG Lift (3-1/2in)	
10	1702773	1	Decal - JLG (5in)	
11	1702868	2	Decal - - No Hands	
12	1704277	3	Decal - Attach Lanyard Here	
13		AR	Decal - Capacity Options:	
	1705088	2	800S	
	1704995	1	860SJ	
14		1	Decal - Capacity Options:	
	1705089		800S	
	1704996		860SJ	
15	3251813	1	Decal - USA	
16	1701502	1	Decal - High Oil Level	
17	1701503	1	Decal - Low Oil Level	
18	1701504	2	Decal - Hydraulic Oil	
19	1702153	1	Decal - Inspection	
20	See Note	1	Decal - Bar Code (Note: Not Available for Purchase.)	
21	1700584	1	Decal - Patent	
22	See Note	1	Nameplate - Serial Number (Note: Not Available for Purchase.)	
23	1701509	1	Decal - Manual	
24	1702300	6	Decal - Tie Down /Lift	
25	1701500	4	Decal - Tie Down /Lift	
26	1701501	4	Decal- Arrow	
27		1	Nameplate Options:	
	3251243		120V-60Hz	
	3252507		220V-50/60Hz	
28	0860520	1	Box, Manual Storage	
29	1060279	1	Cable, Lanyard	
30	0641408	1	Bolt 1/4in-20NC x 1in	
31	4751400	6	Flatwasher 1/4in Regular	
32	3311405	5	Locknut 1/4in-20NC	
33	3820001	4	Rivet	

SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (PRIOR TO SN 0300088933) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34	3252347	1	Decal - Footswitch (Part of 4360031 Footswitch)	1/A
35		4	Decal - Max Tire Load Options:	
	1703475		800S	
	1703482		860SJ	
36		1	Decal - Fuel	
	1701542		Ford Engine Machines	
	1701505		Deutz Engine Machines	
37		AR	Decal - LPG Gas	
	Not Required	0	Non-Dual Fuel Machines	
	1701543	1	Dual Fuel Machines	
38		AR	Decal - LP Gas Liquid Withdrawal System	
	Not Required	0	Non-Dual Fuel Machines	
	1700818	1	Dual Fuel Machines	
39 to 43	Not Used			
44	1701499	4	Decal - No Lift	
45	3252781	1	Decal - Lift Capacity	
46	1704412	1	Decal - Hydraulic Oil Chart	
47	1704540	1	Decal - Storage Capacity	
48	1701691	4	Decal - No Step	
49	1704885	2	Decal - Website	
	0272341	Ref	DECAL TIRE SEALANT INSTALLATION	
101	1705363	1	Decal - Tire Sealant	

FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (PRIOR TO SN 0300088933) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300088933 TO SN 0300140000)

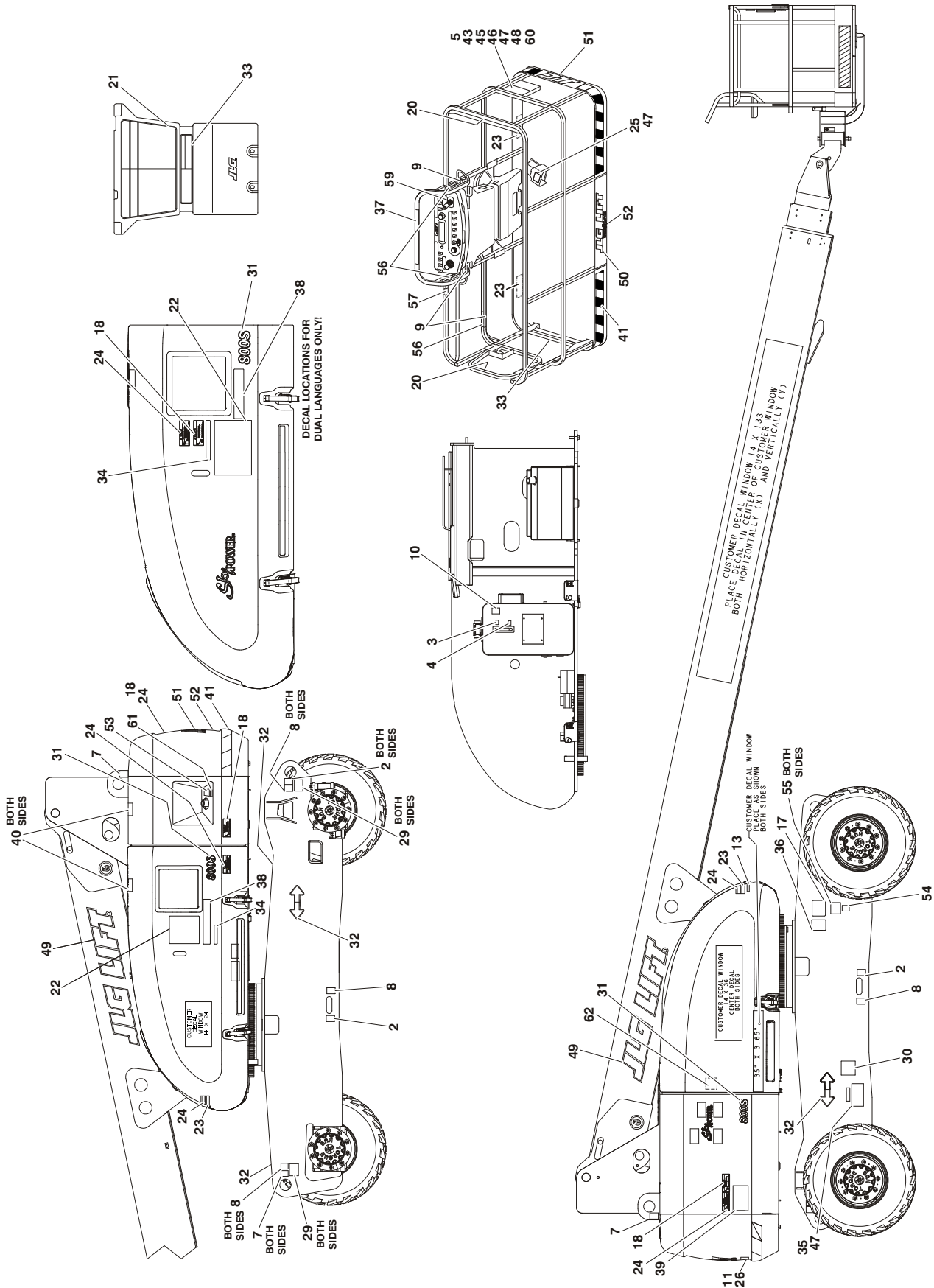


FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STANDARD DECAL INSTALLATIONS	
	0274499	Ref	800S	7
	0274500	Ref	860SJ	7
	0274518	Ref	JLG Logo Decals	1
1	Not Used			
2	1701499	4	Decal - No Lift	
3	1701502	1	Decal - High Oil Level (SN 0300088933 to SN 0300134563)	
4	1701503	1	Decal - Low Oil Level (SN 0300088933 to SN 0300134563)	
5	1701509	1	Decal - Manual	
6	Not Used			
7	1703811	4	Decal - Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	4	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
11 to 12	Not Used			
13	3251243	1	Nameplate - 120V-60HZ	
14 to 16	Not Used			
17	1702153	1	Decal - Inspection (SN 0300088933 to SN 0300134563)	
18	1703953	4	Decal - Warning Crushing	
19	Not Used			
20	1702868	2	Decal - No Hands	
21	1703797	1	Decal - Warning/Danger	
22	1705336	1	Decal - Warning Inspection (MTB)	
23	1703804	4	Decal - Warning Crushing	
24	1703805	4	Decal - Danger Electrocution	
25	Not Used			
26	3251813	1	Decal - USA	
27	Not Used			
28	2902354	1	Kit, Decal Max Tire Load - 800S (Includes Qty 4 of p/n 1703475)	1
	1703475	4	Decal - Max Tire Load	
	2902429	1	Kit, Decal Max Tire Load - 860SJ (Includes Qty 4 of p/n 1703482)	1
	1703482	4	Decal - Max Tire Load	
29	Not Used			
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase.)	
31		2	Decal Options:	
	1704906		Decal - 800S	
	1704907		Decal - 860SJ	
32	1701501	4	Decal- Arrow	
33		2	Decal Capacity Options:	
	1705088		800S - Decal - 500LBS Unrestricted Capacity	
	1704995		860SJ - Decal - 500LBS Maximum Capacity	

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FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300088933 TO SN 0300140000)

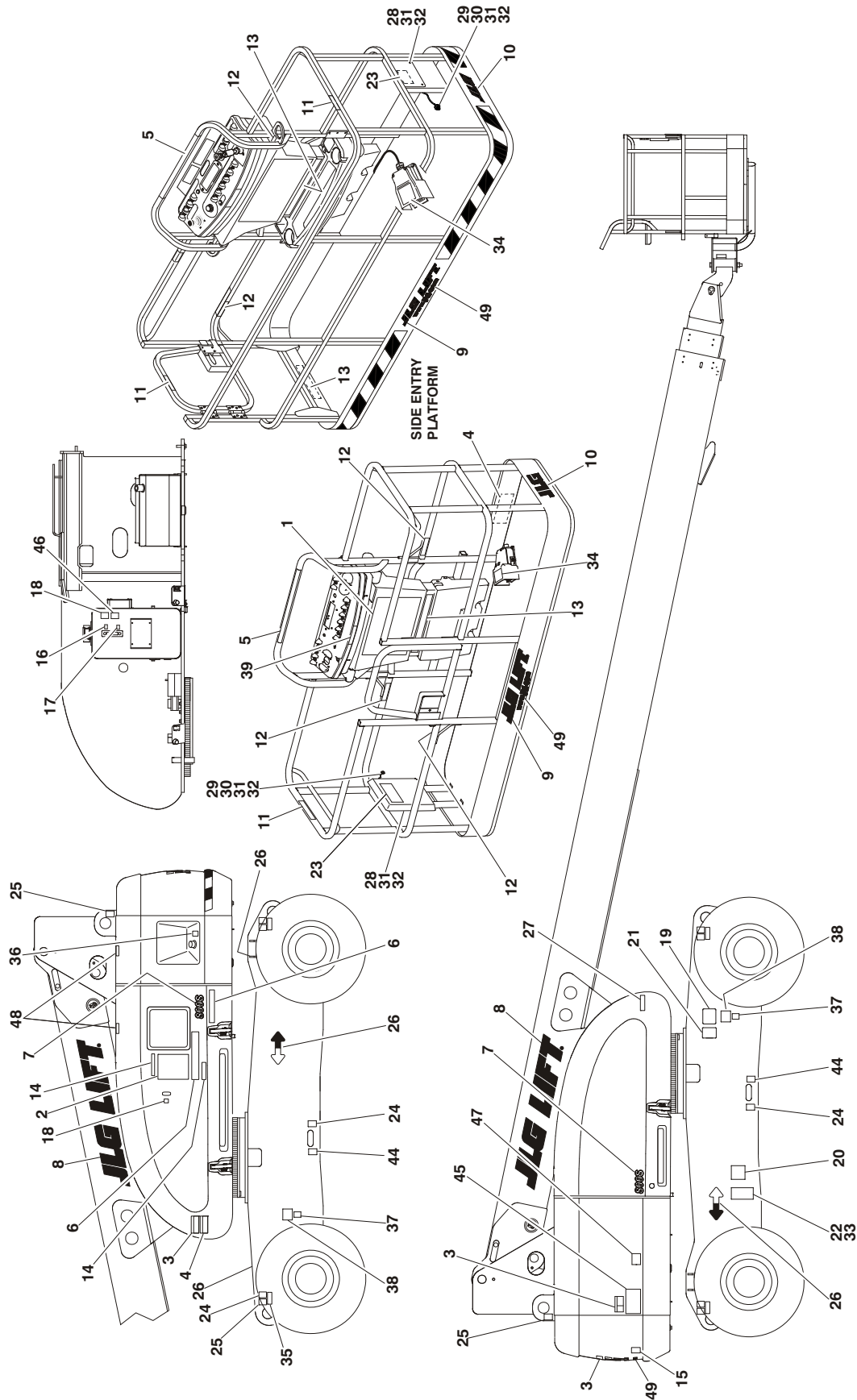
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34		1	Decal Capacity Options: 800S - Decal - 500LBS Unrestricted Capacity: SN 0300088933 to SN 0300100614 SN 0300100614 to SN 0300140000 860SJ - Decal - 500LBS Maximum Capacity: SN 0300088933 to SN 0300100614 SN 0300100614 to SN 0300140000	
	1705089			
	1707016			
	1704996			
	1707015			
35	See Note	1	Nameplate, Manufactures (Note: Not Available for Purchase.)	
36	1700584	1	Decal - Patent	
37		1	Decal - Legend Options: 1705015 SN 0300088933 to SN 0300137913 1001108496 SN 0300137913 to SN 0300140000	
38		1	Decal - Legend (MTB) 1703808 SN 0300088933 to SN 0300099882 1706941 SN 0300099882 to SN 0300140000	
39	3252781	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41 to 42	Not Used			
43	0641408	1	Bolt 1/4in-20NC x 1in	
44	0860520	1	Box, Manual Storage	
45	1060279	1	Cable, Lanyard	
46	3311405	5	Locknut 1/4in	
47	3820001	2	Rivet	
48	4751400	10	Flatwasher 1/4in Regular	
49	1702861	2	Decal - JLG Lift (8in Height)	
50	1702774	1	Decal - JLG Lift (3-1/2in Height)	
51	1702773	1	Decal - JLG (5in Height)	
52	1704885	2	Decal - Website	
53		1	Decal - Fuel 1701505 Diesel 1701542 Gas	
54	1701543	1	Decal - LP Gas (Ford/GM Engine Machines Only)	
55	1700818	2	Decal - LP Gas (Liquid) (Ford/GM Engine Machines Only)	
56	1703175	1	Decal - Lanyard Attach (GM Spec)	
57	1702962	1	Decal - Warning Prop (DSL)	
58	1702961	1	Decal - Warning Prop (Gas)	
59	1705351	1	Decal - Drive/Steer Instructions (SN 0300137913 to SN 0300140000 Only)	
60	0641406	1	Bolt 1/4in-20NC x 3/4in (SN 0300099882 to SN 0300140000)	
61	1001108923	1	Decal - Low Sulfur Fuel (Caterpillar & Deutz Machines)	
62	1704972	1	Decal - Warning Explosion/Fire	
		1	----- Master Decal Kit Options (Includes Items 2, 5, 7-10 & 13) 2902303 SN 0300088933 to SN 0300137913 1001109029 SN 0300137913 to SN 0300140000 2902307 ANSI Decal Kit (Includes Items 17-26)	5 1 5

FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO SN 0300088933)



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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO SN 0300088933)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DECAL INSTALLATIONS	
		Ref	Prior to SN 0300067916	
	0270933	Ref	800S - Brazil Spec (Spanish/Portuguese)	1
	0270931	Ref	800S - Chinese Spec (English/Chinese)	1
	0270929	Ref	800S - CSA Spec (English/French)	1
	0270923	Ref	800S - Japanese Spec	1
	0270925	Ref	800S - Korean Spec	1
	0270927	Ref	800S - Latin America Spec (English/Spanish)	1
	0270934	Ref	860SJ - Brazil Spec (Spanish/Portuguese)	1
	0270932	Ref	860SJ - Chinese Spec (English/Chinese)	1
	0270930	Ref	860SJ - CSA Spec (English/French)	1
	0270924	Ref	860SJ - Japanese Spec	1
	0270926	Ref	860SJ - Korean Spec	1
	0270928	Ref	860SJ - Latin America Spec (English/Spanish)	1
		Ref	SN 0300067916 to SN 0300088933	
	0272548	Ref	800S - Brazil Spec (Spanish/Portuguese)	1
	0272547	Ref	800S - Chinese Spec (English/Chinese)	2
	0272546	Ref	800S - CSA Spec (English/French)	2
	0272540	Ref	800S - Japanese Spec	2
	0272541	Ref	800S - Korean Spec	2
	0270927	Ref	800S - Latin America Spec (English/Spanish)	1
	0272568	Ref	860SJ - Brazil Spec (Spanish/Portuguese)	1
	0272567	Ref	860SJ - Chinese Spec (English/Chinese)	1
	0272566	Ref	860SJ - CSA Spec (English/French)	2
	0272561	Ref	860SJ - Japanese Spec	2
	0272562	Ref	860SJ - Korean Spec	2
	0270928	Ref	860SJ - Latin America Spec (English/Spanish)	1
	0271386	Ref	JLG Logo Decals	3
1		1	Decal - Danger/Warning Options:	
	1703928		Brazil Spec (Spanish/Portuguese)	
	1703925		Chinese Spec	
	1703924		CSA Spec	
	1703926		Japanese Spec	
	1703927		Korean Spec	
	1703923		Latin American Spec	
2		1	Decal - Danger/Warning Options:	
	1703934		Brazil Spec (Spanish/Portuguese)	
	1703931		Chinese Spec	
	1703930		CSA Spec	
	1703932		Japanese Spec	
	1703933		Korean Spec	
	1703929		Latin American Spec	
3		3	Decal - Danger Electrocution Options:	
	1703940		Brazil Spec (Spanish/Portuguese)	
	1703937		Chinese Spec	
	1703936		CSA Spec	
	1703938		Japanese Spec	
	1703939		Korean Spec	

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO SN 0300088933)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
3 (cont'd)	1703935		Latin American Spec	
4		3	Decal - Warning/Crushing	
	1703952		Brazil Spec (Spanish/Portuguese)	
	1703949		Chinese Spec	
	1703948		CSA Spec	
	1703950		Japanese Spec	
	1703951		Korean Spec	
	1703947		Latin American Spec	
5		AR	Decal - Legend Options:	
	Not Required	0	Brazil/Chinese/Japanese/Korean Spec	
	1705015	1	CSA/Latin America Spec	
6		AR	Decal - Legend Options:	
	Not Required	0	Brazil/Chinese/Japanese/Korean Spec	
	1703808	1	CSA/Latin American Spec	
7		2	Decal - Model Options:	
	1704906		800S	
	1704907		860SJ	
8	1702861	2	Decal - JLG Lift (8in)	
9	1702774	1	Decal - JLG Lift (3 1/2in)	
10	1702773	1	Decal - JLG (5in)	
11		2	Decal - No Hands Options:	
	1704002		Brazil Spec (Spanish/Portuguese)	
	Not Required		Chinese/Japanese/Korean Spec	
	1704000		CSA Spec	
	1704001		Latin American Spec	
12	1704277	3	Decal - Attach Lanyard	
13		1	Decal - Capacity Options:	
			800S	
	1704100		Brazil Spec (Spanish/Portuguese)	
	1704101		Chinese Spec	
	1704099		CSA Spec	
	1704102		Japanese Spec	
	1704103		Korean Spec	
	1704098		Latin American Spec	
	1703996		860SJ	
14		1	Decal - Capacity Options:	
			800S	
	1704108		Brazil Spec (Spanish/Portuguese)	
	1704109		Chinese Spec	
	170417		CSA Spec	
	1704110		Japanese Spec	
	1704111		Korean Spec	
	1704106		Latin American Spec	
	1704112		860SJ	
15		1	Decal - USA Options:	
	3251813		Brazil/CSA/Latin American Spec	
	Not Required		Chinese/Japanese/Korean Spec	
16	1701502	1	Decal - High Oil Level	
17	1701503	1	Decal - Low Oil Level	

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO SN 0300088933)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
18	1701504	2	Decal - Hydraulic Oil	
19		1	Decal - Inspection Options:	
	1704008		Brazil Spec	
	1704006		CSA Spec	
	1704007		Latin American Spec	
	Not Required		Chinese/Japanese/Korean Spec	
20	See Note	1	Decal - Bar Code (Note: Not Available for Purchase.)	
21	1700584	1	Decal - Patent	
22	See Note	1	Nameplate - Serial Number (Note: Not Available for Purchase.)	
23	1701509	1	Decal - Manual	
24	1702300	6	Decal - Tie Down /Lift	
25	1701500	4	Decal - Tie Down /Lift	
26	1701501	4	Decal - Arrow	
27		AR	Decal Options:	
	3251243	1	120V-60Hz - Brazil/CSA/Latin American Spec	
	3252507	1	220V-50/60Hz - Brazil/CSA/Latin American Spec	
	Not Required	0	Chinese/Japanese/Korean Spec	
28	0860520	1	Box, Manual Storage	
29	1060279	1	Cable, Lanyard	
30	0641408	1	Bolt 1/4in-20NC x 1in	
31	4751400	6	Flatwasher 1/4in Regular	
32	3311405	5	Locknut 1/4in-20NC	
33	3820001	8	Rivet	
34		1	Decal - Footswitch Options:	
	1703985		Brazil Spec	
	1703982		Chinese Spec	
	1703984		CSA Spec	
	1703980		Japanese Spec	
	1703981		Korean Spec	
	1703983		Latin American Spec	
35		4	Decal - Max Tire Load Options:	
	1703475		800S	
	1703482		860SJ	
36		1	Decal - Fuel Options:	
	1701542		Ford Engine Machines	
	1701505		Deutz Engine Machines	
37		AR	Decal - LPG Gas	
	Not Required	0	Non-Dual Fuel Machines	
	1701543	1	Dual Fuel Machines	
38		AR	Decal - LP Gas Liquid Withdrawal System	
	Not Required	0	Non-Dual Fuel Machines	
	1700818	1	Dual Fuel Machines (English Language)	
	1704271	1	Dual Fuel Machines (CSA Spec)	
	1702720	1	Dual Fuel Machines (Spanish Language)	
39		AR	Decal - CSA Options:	
	3252221	1	CSA Spec (Prior to SN 0300069447)	
	1705514	1	CSA Spec (SN 0300069447 to SN 0300088933)	
	Not Required	0	Brazil/Chinese/Japanese/Korean/Latin American Spec	
40 to 43	Not Used			

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO SN 0300088933)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
44	1701499	4	Decal - No Lift	
45	3252781	1	Decal - Lift Capacity	
46	1704412	1	Decal - Hydraulic Oil Chart	
47	1704540	1	Decal - Storage Capacity	
48	1701691	4	Decal - No Step	
49	1704885	2	Decal - Website	

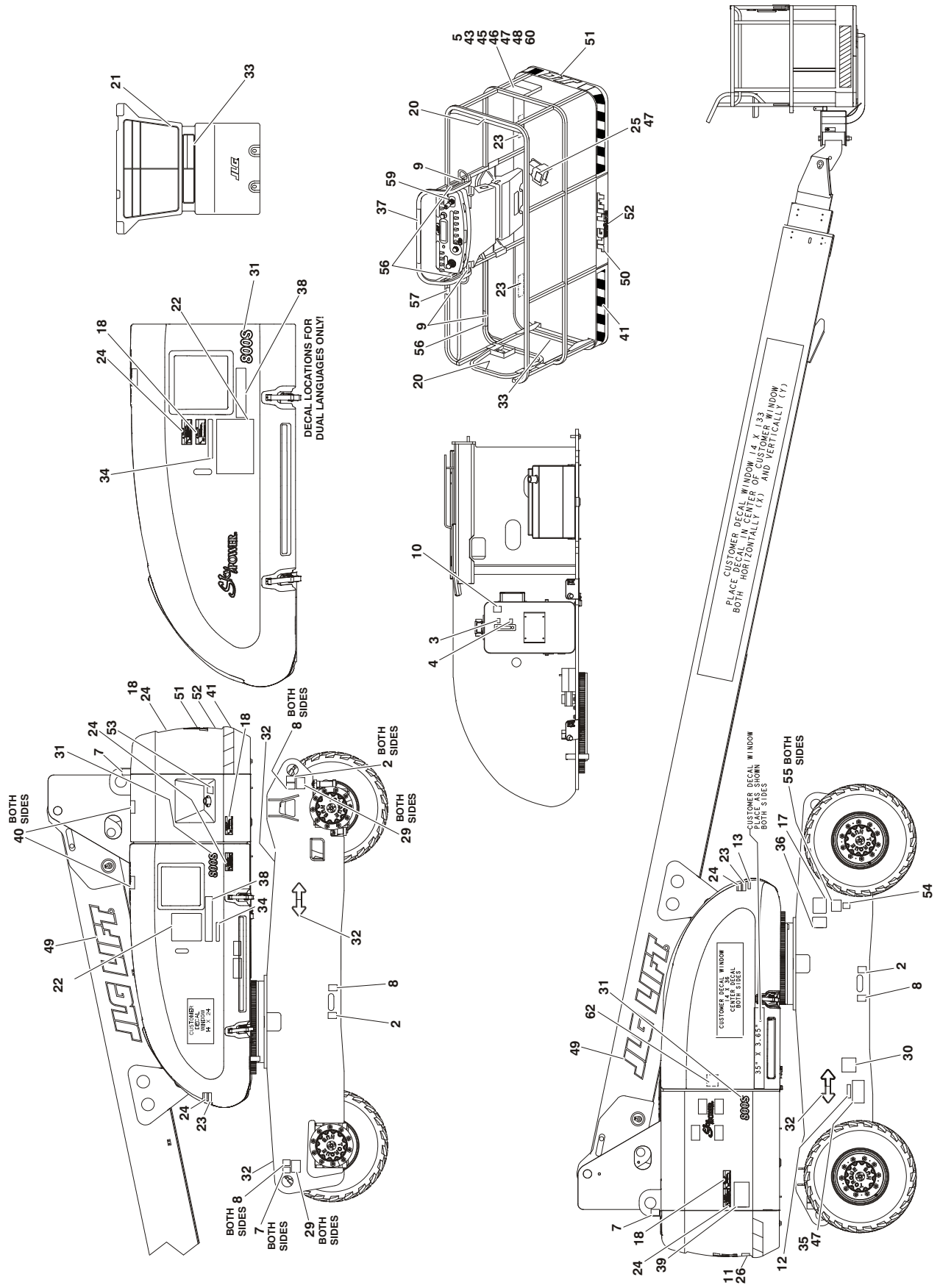
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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (PRIOR TO SN 0300088933)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300088933 TO SN 0300140000)



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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DECAL INSTALLATIONS	
	0274505	Ref	800S Brazil Spec (English/Portuguese)	7
	0274503	Ref	800S Chinese Spec (English/Chinese)	6
	0274507	Ref	800S CSA Spec (English/French)	6
	0274511	Ref	800S Japanese Spec (English/Japanese)	6
	0274501	Ref	800S Korean Spec (English/Korean)	6
	0274513	Ref	800S Latin America Spec (English/Spanish)	6
	0274506	Ref	860SJ Brazil Spec (English/Portuguese)	8
	0274504	Ref	860SJ Chinese Spec (English/Chinese)	7
	0274508	Ref	860SJ CSA Spec (English/French)	7
	0274512	Ref	860SJ Japanese Spec (English/Japanese)	7
	0274502	Ref	860SJ Korean Spec (English/Korean)	7
	0274514	Ref	860SJ Latin America Spec (English/Spanish)	7
	0274518	Ref	JLG Logo Decals	1
1	Not Used			
2	1701499	4	Decal - No Tie Down /Lift	
3	1701502	1	Decal - High Oil Level (SN 0300088933 to SN 0300134563)	
4	1701503	1	Decal - Low Oil Level (SN 0300088933 to SN 0300134563)	
5	1701509	1	Decal - Manual	
6	Not Required			
7	1703811	4	Decal - Tie Down /Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard	
10	1704412	1	Decal - Hydraulic Oil Chart	
11	Not Required			
12		1	Decal - CSA (Booms)	
	Not Required		Brazil/Chinese/Japanese/Korean/Latin American Spec	
	1703924		CSA Spec	
13		1	Decal Options:	
	Not Required		Brazil/Chinese/Korean Spec	
	3251243		120V-60Hz - CSA/Japanese/Latin American Spec	
14 to 16	Not Used			
17		1	Decal - Inspection Options:	
	1705901		Brazil Spec (English/Portuguese)	
	Not Required		Chinese/Japanese/Korean Spec	
	1704006		CSA Spec	
	1704007		Latin American Spec	
18		AR	Decal - Warning Crushing (Rotate) Options:	
	1705903	1	Brazil Spec (English/Portuguese)	
	1703943	7	Chinese Spec	
	1703942	7	CSA Spec	
	1703944	6	Japanese Spec	
	1703945	6	Korean Spec	
	1703941	7	Latin American Spec	
19	Not Used			

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
20	1705967	2	Decal - No Hands Options:	
			Brazil Spec (English/Portuguese)	
			Chinese Spec (Traditional)	
	1705968		USA Built Machines Prior to SN 0300137104	
	1001116846		USA Built Machines SN 0300137104 to SN 0300140000	
	1705968		Chinese Spec (Simplified)	
	1704000		CSA Spec	
	Not Required		Japanese Spec	
	1705969		Korean Spec	
21	1704001	1	Latin American Spec	
			Decal - Warning/Danger (PLF) Options:	
	1705895		Brazil Spec (English/Portuguese)	
	1703925		Chinese Spec	
	1703924		CSA Spec	
	1703926		Japanese Spec	
	1703927		Korean Spec	
	1703923		Latin American Spec	
22		1	Decal - Warning Inspection (MTB) Options:	
	1705896		Brazil Spec (English/Portuguese)	
			Chinese Spec (Traditional)	
	1705348		USA Built Machines Prior to SN 0300137104	
	1001116849		USA Built Machines SN 0300137104 to SN 0300140000	
	1705348		Chinese Spec (Simplified)	
	1705347		CSA Spec	
	1705344		Japanese Spec	
	1705345		Korean Spec	
23	1705917	6	Latin American Spec	
			Decal - Warning Crushing (Down) Options:	
	1705898		Brazil Spec (English/Portuguese)	
	1703949		Chinese Spec	
	1703948		CSA Spec	
	1703950		Japanese Spec	
	1703951		Korean Spec	
	1703947		Latin American Spec	
24		5	Decal - Danger Electrocution Options:	
	1705897		Brazil Spec (English/Portuguese)	
			Chinese Spec (Traditional)	
	1703937		USA Built Machines Prior to SN 0300137104	
	1001116851		USA Built Machines SN 0300137104 to SN 0300140000	
	1703937		Chinese Spec (Simplified)	
	1703936		CSA Spec	
	1703938		Japanese Spec	
	1703939		Korean Spec	
	1703935		Latin American Spec	

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	1705902 1703982 1703984 1703980 1703981 1703983	1	Decal - Foot Switch Options: Brazil Spec (English/Portuguese) Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec	
26	3251813 Not Required	1	Decal - USA Options: Brazil/Chinese/CSA/Japanese/Korean/Latin American Spec Korean Spec	
27	Not Used			
28	2902354 1703475 2902429	1 4 1	Kit, Decal Max Tire Load - 800S (Includes Qty 4 of p/n 1703475) Decal - Max Tire Load Kit, Decal Max Tire Load - 860SJ (Includes Qty 4 of p/n 1703482)	1 1
	1703482	4	Decal - Max Tire Load	
29	Not Used			
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase.)	
31	1704906 1704907	2	Decal Options: Decal - 800S Decal - 860SJ	
32	1701501	4	Decal- Arrow	
33	1706380 1704101 1704099 1704102 1704103 1704098 1703996 1707057 1707060 1707055 1707059 1707058 1707056 1001094804 1001094800 1001094806 1001094809 1001094798 1001094802	2	Decal Capacity Options: 800S - Decal - 500LBS Unrestricted Capacity Brazil Spec (English/Portuguese) Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec 860SJ - Decal - 500LBS Maximum Capacity SN 0300088933 to SN 0300100614: All Spec SN 0300100614 to SN 0300110581: Brazil Spec (English/Portuguese) Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American Spec SN 0300110581 to SN 0300140000: Brazil Spec (English/Portuguese) Chinese Spec CSA Spec Japanese Spec Korean Spec Latin American	

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34		1	Decal Capacity Options: 800S - Decal - 500LBS Unrestricted Capacity SN 0300088933 to SN 0300100614: 1706381 Brazil Spec (English/Portuguese) 1704109 Chinese Spec 1704107 CSA Spec 1704110 Japanese Spec 1704111 Korean Spec 1704106 Latin American Spec SN 0300100614 to SN 0300140000: 1707051 Brazil Spec (English/Portuguese) 1707045 Chinese Spec 1707046 CSA Spec 1707053 Japanese Spec 1707043 Korean Spec 1707048 Latin American Spec 860SJ - Decal - 500LBS Maximum Capacity SN 0300088933 to SN 0300100614: 1704112 All Spec SN 0300100614 to SN 0300110581: 1707052 Brazil Spec (English/Portuguese) 1707044 Chinese Spec 1707047 CSA Spec 1707054 Japanese Spec 1707042 Korean Spec 1707049 Latin American Spec SN 0300110581 to SN 0300140000: 1001094805 Brazil Spec (English/Portuguese) 1707044 Chinese Spec 1001094808 CSA Spec 1001094810 Japanese Spec 1001094799 Korean Spec 1001094803 Latin American Spec	
35	See Note	1	Nameplate, Manufactures (Note: Not Available for Purchase.)	
36	1700584	1	Decal - Patent	
37		1	Decal - Legend Options: 1705015 SN 0300088933 to SN 0300137913 1001108496 SN 0300137913 to SN 0300140000	
38		1	Decal - Legend (MTB) 1703808 SN 0300088933 to SN 0300099882 1706941 SN 0300099882 to SN 0300140000	
39	3252781	1	Decal - Lift Diagram	
40	1701691	4	Decal - No Step	
41 to 42	Not Used			
43	0641408	1	Bolt 1/4in-20NC x 1in	
44	0860520	1	Box, Manual Storage	
45	1060279	1	Cable, Lanyard	
46	3311405	5	Locknut 1/4in	
47	3820001	2	Rivet	

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FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
48	4751400	10	Flatwasher 1/4in Regular	
49	1702861	2	Decal - JLG Lift (8in Height)	
50	1702774	1	Decal - JLG Lift (3-1/2in Height)	
51	1702773	1	Decal - JLG (5in Height)	
52	1704885	2	Decal - Website	
53		1	Decal - Fuel	
	1701505		Diesel	
	1701542		Gas	
54	1701543	1	Decal - LP Gas (Ford Engine Machines Only)	
55	1700818	2	Decal - LP Gas (Liquid) (Ford Engine Machines Only)	
56		1	Decal - Lanyard Attach (GM Spec)	
	Not Required		Brazil/Chinese/Japanese/Korean/Latin American Spec	
	1703175		CSA Spec	
57 to 58	Not Used			
59		1	Decal - Drive/Steer Instructions Options (SN 0300137913 to SN 0300140000 Only):	
	1705905		Brazil Spec (English/Portuguese)	
	1705430		Chinese Spec	
	1705429		CSA Spec	
	1705426		Japanese Spec	
	1705427		Korean Spec	
	1705910		Latin American Spec	
60	0641406	1	Bolt 1/4in-20NC x 3/4in (SN 0300099882 to SN 0300140000)	
61	Not Used			
62		1	Decal - Warning Explosion/Fire Options:	
	1706059		Brazil Spec (English/Portuguese)	1
	1706060		Chinese Spec	
	1706064		CSA Spec	
	1706062		Japanese Spec	
	1706061		Korean Spec	
	1706063		Latin American Spec	
		1	-----	
	2902303	1	Master Decal Kit Options (Includes Items 2, 5, 7-10 & 13)	5
	1001109029		SN 0300088933 to SN 0300137913)	
			SN 0300137913 to SN 0300140000	2
		1	ANSI Decal Kit Options (Includes Items 17-26):	
	2902312		Brazil Spec (English/Portuguese)	4
	2902309		Chinese Spec	6
	2902322		CSA Spec	4
	2902308		Japanese Spec	5
	2902310		Korean Spec	3
	2902311		Latin American Spec	5

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300088933 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 800S/860SJ

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.
2120210	Element, Filter (Figure 2-1)	12
7012944	Coil (Figures 2-1, 2-2 & 3-6)	1
7012943	Coil (Figures 2-1, 2-2, 3-6 & 5-3)	1
7017451	Coil (Figures 2-2 & 5-3)	1
70000582	Coil (Figure 2-2)	1
7012664	Element, Air Cleaner (Figures 2-9, 2-11, 2-13 & 2-16)	1 Dozen
3740067	Relay (Figures 2-9, 2-11, 2-13 & 2-16)	1
3740080	Relay (Figure 2-11)	1
7007496	Coil (Figure 2-17)	1
7024444	Breather, Hydraulic Tank (Figure 2-19)	3
4360517	Switch, Proximity (Figures 2-21, 2-24 & 7-3)	1
3740049	Relay (Figures 2-22, 2-23 & 7-3)	1
4360328	Switch, Toggle (Figures 2-22, 2-23 & 4-4)	1
4360469	Switch, Key (Figures 2-22 & 2-23)	1
2860030	Key, Replacement (Figures 2-22 & 2-23)	1
4360475	Switch, Mushroom (Figures 2-22, 2-23 & 4-4)	1
4360476	Contact, Switch Block (Figures 2-22, 2-23 & 4-4)	1
4360544	Switch, Level Sensor (Figures 3-6, 7-3 & 7-4)	1
2940074	Latch (Figures 4-1 & 4-2)	1
4360031	Footswitch (Figures 4-1 & 4-2)	1
4360330	Switch, Toggle (Figure 4-4)	1
4360331	Switch, Toggle (Figure 4-4)	1
4360387	Switch, Push Button (Figure 4-4)	1
1001129555	Controller (Lift and Swing) (Figure 4-5)	1
1001118416	Controller (Drive and Steer) (Figure 4-6)	1
4360506	Switch, Proximity (Figures 7-3 & 7-4)	1
VARIABLE PARTS		Ref.
7026811	Filter, Oil (Caterpillar Engine Machines) (Figure 2-9)	1 Dozen
7026830	Filter, Fuel (Caterpillar Engine Machines) (Figure 2-9)	1 Dozen
1001112067	Module, Engine Control (Caterpillar Engine Machines) (Figure 2-9)	1
7016331	Filter, Oil (Deutz Engine Machines) (Figure 2-11)	1 Dozen
7016328	Filter, Fuel (Deutz Engine Machines) (Figure 2-11)	1 Dozen
7027795	Module, Engine Control (Deutz Engine Machines) (Figure 2-11)	1
7021868	Filter, Oil (Ford Engine Machines) (Figure 2-13)	1 Dozen
7022135	Filter, Fuel (Ford Engine Machines) (Figure 2-13)	1 Dozen
1600374	Module, EPM (Ford Engine Machines) (Figure 2-13)	1
7027965	Filter, Oil (GM Engine Machines) (Figure 2-16)	1 Dozen
7027972	Filter, Fuel (GM Engine Machines) (Figure 2-16)	1 Dozen
70002895	Module, Engine Control (GM Engine Machines) (Figure 2-16)	1
1001103667	Module, Ground Control (Caterpillar/Deutz/GM Engine) (Figure 2-23)	1
4360578	Switch, Limit (Figure 2-24)	1

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 800S/860SJ

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
3740080	Relay (Machine with Generator Option) (Figures 2-28, 2-29, 2-31, 2-32, 2-33 2-34 & 2-35)	1
4360336	Switch, Toggle (Machines with Generator Option) (Figures 2-33, 2-34, 2-35 & 4-4)	1
4360070	Breaker, Circuit (Machines with SkyPower) (Figures 2-33, 2-34 & 2-35)	1
2400064	Fuse - 5 Amp (Machines with SkyPower) (Figures 2-33, 2-34, 2-35 & 7-4)	2
7024369	Powertrack Repair Section (Figure 3-3)	1
7024370	Powertrack Mounting Bracket Kit (Figure 3-3)	1
4360522	Switch, Push Button (Machines with Headlights Option) (Figure 4-4)	1
4360336	Switch, Toggle (Machines with Dual Fuel Option) (Figure 4-4)	1
4360328	Switch, Toggle (860SJ Only) (Figure 4-4)	1
1001110701	Module, Controller (Figure 4-4)	1
4360057	Switch, Limit (Figures 4-7 & 4-8)	1
4360232	Breaker, Circuit (Machines with Platform Worklights) (Figure 4-4 & 7-4)	1
3990010	Diode (Machines with Generator Option) (Figure 7-4)	2
2400070	Fuse (Machines with Platform Worklights) (Figure 7-4)	2
70004318	Fuse 5Amp (Caterpillar Engine Machines) (Figure 7-4)	2
70004319	Fuse 10Amp (Caterpillar Engine Machines) (Figure 7-4)	2
70004317	Relay 25Amp (Caterpillar Engine Machines) (Figure 7-4)	1
70004316	Relay (Caterpillar Engine Machines) (Figure 7-4)	1

SECTION 10

SPECIAL OPTIONS

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.

FIGURE 10-1. SPECIAL OPTIONS LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	1340061	Ref	Air Cleaner with Dust Evacuator Valve	
	0271472	Ref	Air Line at Platform Installation - 800S	
	1001091712	Ref	Air Line at Platform Installation - 800S (With Arctic Package)	
	0271473	Ref	Air Line at Platform Installation - 860SJ	
	1001091713	Ref	Air Line at Platform Installation - 860SJ (With Arctic Package)	
		Ref	Bellows Installations	
	0271476	Ref	800S Boom Bellows	
	0271477	Ref	860SJ Boom Bellows	
	0258757	Ref	Fixed Axle with 2WS Frame Bellows	
	0258759	Ref	Fixed Axle with 4WS Frame Bellows	
	0258387	Ref	Oscillating Axle with 2WS Frame Bellows	
	0258758	Ref	Oscillating Axle with 4WS Frame Bellows	
	0271448	Ref	Boom Wiper Installation	
	0256789	Ref	Camera Mount Assembly	
	0272057	Ref	Chassis Flood Lights Installation	
		Ref	ClearSky (Telematics) Installation (Factory Installed)	
		Ref	Note: Refer to Manual Supplement p/n 3128499 for available replacement parts.	
		Ref	ADE Machines	
	1001102841	Ref	ANSI Spec	
	1001102842	Ref	ANSI Export & Japanese Specs	
	1001104985	Ref	CSA Spec	
		Ref	ADE/UGM Machines	
	1001112990	Ref	ANSI Spec	
	1001112991	Ref	ANSI Export & Japanese Specs	
	1001112992	Ref	CSA Spec	
		Ref	ClearSky (Telematic) Kits (Dealer Installed)	
		Ref	ANSI Spec	
	1001117251	Ref	Pre-UGM	
	1001119939	Ref	UGM	
		Ref	Australian Spec	
	1001139132	Ref	Pre-UGM	
	1001139151	Ref	UGM	
		Ref	CSA Spec	
	1001117258	Ref	Pre-UGM	
	1001119947	Ref	UGM	

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.

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Cold Weather Start Kits	
	0273575	Ref	Caterpillar Engine Machines	
	0256060	Ref	Deutz Engine Machines (Ether)	
		Ref	Deutz Engine Machines (Glow Plugs) Options:	
	0271333	Ref	Prior to SN 0300073336	
	0271912	Ref	SN 0300073336 to SN 0300140000	
	0255386	Ref	Ford Engine Machines	
	0275262	Ref	GM Engine Machines	
		Ref	Decal Installations	
	1001116597	Ref	Decal - ClearSky (ANSI Spec)	
	1001116598	Ref	Decal - ClearSky (CSA Spec)	
	0257195	Ref	Decal - Government Warranty Installation	
	1703175	1	Decal - Lanyard Attach (GM K-1 Spec)	
	1702962	1	Decal - Prop 65 Warning (Diesel Machines) (California Spec)	
	1702961	1	Decal - Prop 65 Warning (Gasoline Machines) (California Spec)	
	0274528	Ref	Decals - Head & Engquist Equipment L.L.C. (H&E)	
	0274455	Ref	Decal - FedEx	
	0273251	Ref	Decal - Hertz	
	0273376	Ref	Decal - Nations Rent	
	0274244	Ref	Decal - National Equipment Services	
	1001095392	Ref	Decal - RSC Equipment Rental	
	0273687	Ref	Decal - SkyAir	
	0272599	Ref	Decal - SkyCutter (ANSI, ANSI Export & CSA Specs)	
	0272607	Ref	Decal - SkyCutter (Japanese Spec)	
	0272418	Ref	Decal - Sky Glazier (800S Only)	
	0272589	Ref	Decal - SkyPower	
	0272448	Ref	Decal - SkyWelder	
	0271816	Ref	Decal - Sunbelt (Prior to SN 0300139592)	
	1001120206	Ref	Decal - Sunbelt (SN 0300139592 to SN 0300140000)	
	0271815	Ref	Decal - United Rentals	
	4420051	Ref	Decal - Warning Stripes	
	0272312	Ref	Decal - Tire Sealant	
	2902203	1	Kit - Tire Sealant	
	2902394	Ref	Drive/Steer Cutout Kit	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp Electrical Connector Kit	
	1001148903	Ref	Deutsch DT Electrical Connector Kit	
	1001148904	Ref	Deutsch HD Electrical Connector Kit	
	1001148905	Ref	Packard Electrical Connector Kit	
	1001148906	Ref	Various Electrical Connectors Kit	
		Ref	Engine Block Heater Installation Options:	
	0258696	Ref	Ford Engines	
	0275261	Ref	GM Engines	

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.

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0257157	Ref	Ether Start Installation (Deutz Engine Machines)	
	1001093389	Ref	Fan, Cover	
		Ref	Filter Kits:	
		1	Combined Filter Kit Options (Hydraulic/Air & Fuel/Engine Oil):	
			Caterpillar Engine Machines	
	2915140		Prior to SN 0300069206	
	1001114053		SN 0300069206 to SN 0300087262	
	1001114054		SN 0300087262 to SN 03000140000	
			Deutz Engine Machines	
	2910928		Prior to SN 0300069206	
	2910799		SN 0300069206 to SN 0300077586	
	1001111006		SN 0300077586 to SN 0300087262	
	1001114048		SN 0300087262 to SN 0300092776	
	1001111004		SN 0300092776 to SN 0300140000	
			Ford LRG-425 W/EFI Engine Machines	
	2910950		Prior to SN 0300069206	
	1001114050		SN 0300069206 to SN 0300087262	
	1001114052		SN 0300087262 to SN 0300140000 (was p/n 1001114051)	
			GM Engine Machines	
	1001113981		Prior to SN 0300140000	
		1	Hydraulic/Air Filter Options:	
	See Note		Caterpillar/Ford LRG-425 W/EFI/GM Engine Machines (Note: Not Available for Purchase)	
			Deutz Engine Machines	
	1001109707		Prior to SN 0300087262 (was p/n 1001114047)	
	1001109702		SN 0300087262 to SN 0300140000	
		1	Engine - Fuel/Engine Oil Filter Options:	
	See Note		Caterpillar/Ford LRG-425 W/EFI/GM Engine Machines (Note: Not Available for Purchase)	
			Deutz Engine Machines	
	1001110133		SN 0300071452 to SN 03000140000	
		Ref	Fluids:	
	2300004	Ref	Antifreeze, Standard	
	2300041	Ref	Antifreeze, Arctic	
	2300040	Ref	Diesel Fuel Conditioner	
	3020016	Ref	Engine Oil, (15W-40)	
	3020044	Ref	Engine Oil, (0W-40)	
	1001115930	Ref	Engine Oil, (10W-30)	
	1001115931	Ref	Engine Oil, Fully Synthetic (5W-30)	

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.

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
Cont'd		Ref	Fluids:	
		Ref	Hydraulic Fluids Options:	
	2300014	Ref	Mobil 424	
	2300027	Ref	Mobil 224H Bio	
	2300029	Ref	Mobil EAL ISO 46 Bio	
	2300016	Ref	Mobil DTE 10 Excel 32	
	2300021	Ref	Union Carbide Ucon HP5046 Fire Resistant	
	2300039	Ref	Exxon Univis Hvl (Arctic Package Only)	
		Ref	Footswitch Shield Installation	
	4060959	1	Shield, Footswitch	
	3380652	Ref	Footswitch Shield (With Arctic Package)	
		Ref	Glow Plug Installations (Deutz Engine Machines)	
	0271326	Ref	Prior to SN 0300073336	
	0271548	Ref	SN 0300073336 to SN 0300140000	
		Ref	Hydraulic Welder Assemblies	
	0271573	1	110/220V-60Hz (ANSI Spec 800S)	
	0271574	1	110/220V-60Hz (ANSI Spec 860SJ)	
	0271577	1	110/220V-50Hz (ANSI Export Spec 800S)	
	0271578	1	110/220V-50Hz (ANSI Export Spec 860SJ)	
	1001148971	Ref	Lanyard (Bolt-On) Kit Installation	
		Ref	Oil Cooler Installations	
	0271938	1	Deutz Powered Machines (Prior to SN 0300137667)	
	1001108703	1	Deutz Powered Machines (SN 0300137667 to SN 0300140000)	
	0271939	1	Ford & GM Powered Machines	
	0271439	Ref	Pinion Shield Installations	
	0257728	Ref	Pipe Jacks Installations	
		Ref	Platform Cover Installations	
	0255398	1	Prior to SN 0300128731	
	0258703	1	SN 0300128731 to SN 0300140000	
		Ref	Platform Entry Kits	
	1001142504	Ref	Drop Bar (Replacing Swing Gate with Drop Bar)	
	1001142505	Ref	Swing Gate (Replacing Drop Bar with Swing Gate)	

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.

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Platform Mesh To Mid Rail Installation (Side Entry Platform)	
	1001140318	Ref	800S/860SJ - 2.5ftx4ft Platforms (ANSI, ANSI Export & Australian Specs)	
	1001140315	Ref	800S/860SJ - 2.5ftx5ft Platforms (ANSI, ANSI Export & CSA Specs)	
	1001138772	Ref	800S/860SJ - 3ftx6ft Platforms (ANSI, ANSI Export & CSA Specs)	
	1001138773	Ref	800S/860SJ - 3ftx8ft Platforms (ANSI, ANSI Export & CSA Specs)	
		Ref	Platform Mesh To Top Rail Installation (Side Entry Platform)	
	0273147	Ref	800S/860SJ - 2.5ftx4ft Platforms (ANSI, ANSI Export & CSA Specs)	
	0273146	Ref	800S/860SJ - 2.5ftx5ft Platforms (ANSI, ANSI Export & CSA Specs)	
	0273149	Ref	800S/860SJ - 3ftx6ft Platforms (ANSI, ANSI Export & CSA Specs)	
	0273145	Ref	800S/860SJ - 3ftx8ft Platforms (ANSI, ANSI Export & CSA Specs)	
	1001120532	Ref	800S - 3ftx8ft Platforms (With Fall Arrest) (ANSI Export Specs)	
	1702868	Ref	Decal - No Hands (ANSI Spec)	
	1704000	Ref	Decal - No Hands (CSA Spec)	
	1001149730	Ref	Platform Mid Rail Repair Kit	
		Ref	Platform Top Rail Extension Installations	
	0272396	1	Platform 6ft (1.83m)	
	0272397	1	Platform 8ft (2.44m)	
	0272733	1	Side Entry Platform 6ft (1.83m)	
	0272725	1	Side Entry Platform 8ft (2.44m)	
	2902300	Ref	Remote Oil Filter Kit - Required on Caterpillar Engine to Allow Sky Power 7500 Watt Generator to Fit. (SN 0300069000 TO SN 0300078177)	
		Ref	Sky Accessory:	
	0273596	Ref	SkyAir Compressor Installation	
	See Note	Ref	SkyCutter Plasma Cutter (was p/n 0272590) (Prior to SN 03000119293) (Note: No Longer Available)	
	1001098149	Ref	SkyCutter Plasma Cutter (SN 0300119293 to SN 0300140000)	
	0273353	Ref	SkyCutter/SkyWelder Combo	
	0275528	Ref	SkyCutter/SkyWelder Combo	
		Ref	SkyGlazier (ANSI Spec 800S Only) Options:	
	Use 1001101422	Ref	Prior to SN 0300124536 (was p/n 0272395)	
	Use 1001101422	Ref	SN 0300124536 to SN 0300131396 (was p/n 1001099376)	
	1001101422	Ref	SN 0300131396 to SN 0300140000	

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.

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	Continued	Ref	Sky Accessory:	
		Ref	SkyGlazier (ANSI Export Spec 800S Only) (Spanish) Options:	
	Use 1001099421	Ref	Prior to SN 0300124536 (was p/n 0272387)	
	1001099421	Ref	SN 0300124536 to SN 0300140000	
		Ref	SkyGlazier (ANSI Export Spec 800S Only) (Portuguese) Options:	
	Use 1001099422	Ref	Prior to SN 0300124536 (was p/n 0272955)	
	1001099422	Ref	SN 0300124536 to SN 0300140000	
		Ref	SkyGlazier (ANSI Export Spec 860SJ Only) Options:	
	Use 1001099423	Ref	Prior to SN 0300124536 (was p/n 0274362)	
	Use 1001099423	Ref	SN 0300124536 to SN 0300131396	
	1001101422	Ref	SN 0300131396 to SN 0300140000	
	0273540	Ref	SkyPower - 7500W 60Hz (Caterpillar Engine) (Prior to SN 0300139398)	
	1001115398	Ref	SkyPower - 7500W 60Hz (Caterpillar Engine) (SN 0300139398 to SN 0300140000)	
	0273541	Ref	SkyPower - 7500W 50Hz (Caterpillar Engine) (Prior to SN 0300139398)	
	1001115400	Ref	SkyPower - 7500W 50Hz (Caterpillar Engine) (SN 0300139398 to SN 0300140000)	
	0272344	Ref	SkyPower - 7500W 60Hz (Deutz Engine) (Prior to SN 0300139080)	
	1001115388	Ref	SkyPower - 7500W 60Hz (Deutz Engine) (SN 0300139080 to SN 0300140000)	
	0272643	Ref	SkyPower - 7500W 50Hz (Deutz Engine) (Prior to SN 0300139080)	
	1001115394	Ref	SkyPower - 7500W 50Hz (Deutz Engine) (SN 0300139080 to SN 0300140000)	
	0272817	Ref	SkyPower - 7500W 60Hz (Ford Engine)	
	0275257	Ref	SkyPower - 7500W 60Hz (GM Engine)	
	Use 0272254	Ref	SkyWelder - Stick, 250A (was p/n 0272374)	
		Ref	Note: For Breakdown of Sky Accessories Refer to Accessory Manual p/n 3124242	
		Ref	SkyGuard Component Options:	
	1001149560	Ref	SkyGuard Complete Add-On Kit (Non-UGM Machines)	
	1001143669	Ref	SkyGuard Complete Add-On Kit (UGM Machines)	
	1001137672	Ref	SkyGuard Platform Sensor Kit (UGM Machines)	
	1001143256	Ref	SkyGuard Blue Beacon Kit	
	0272325	Ref	Tire Sealant Installation	
	0272312	Ref	Tire Sealant Decal Installation	
	2902203	1	Kit, Tire Sealant Decal	

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.

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Tools for Service	
	2901443	1	Analyzer Kit (SN 0300062045 to SN 0300140000)	
	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 - 1in	
	7004276	1	Seal Installation Tool - 1-1/2in	
	7002826	1	Seal Installation Tool - 2in	
	7016655	1	Wire Rope Sheave Gauge	
	0258918	Ref	Utility Rack Installation	
		Ref	Weld Leads at Platform Installations	
	0271487	Ref	800S	
	0271488	Ref	860SJ	

SECTION 10 SPECIAL OPTIONS

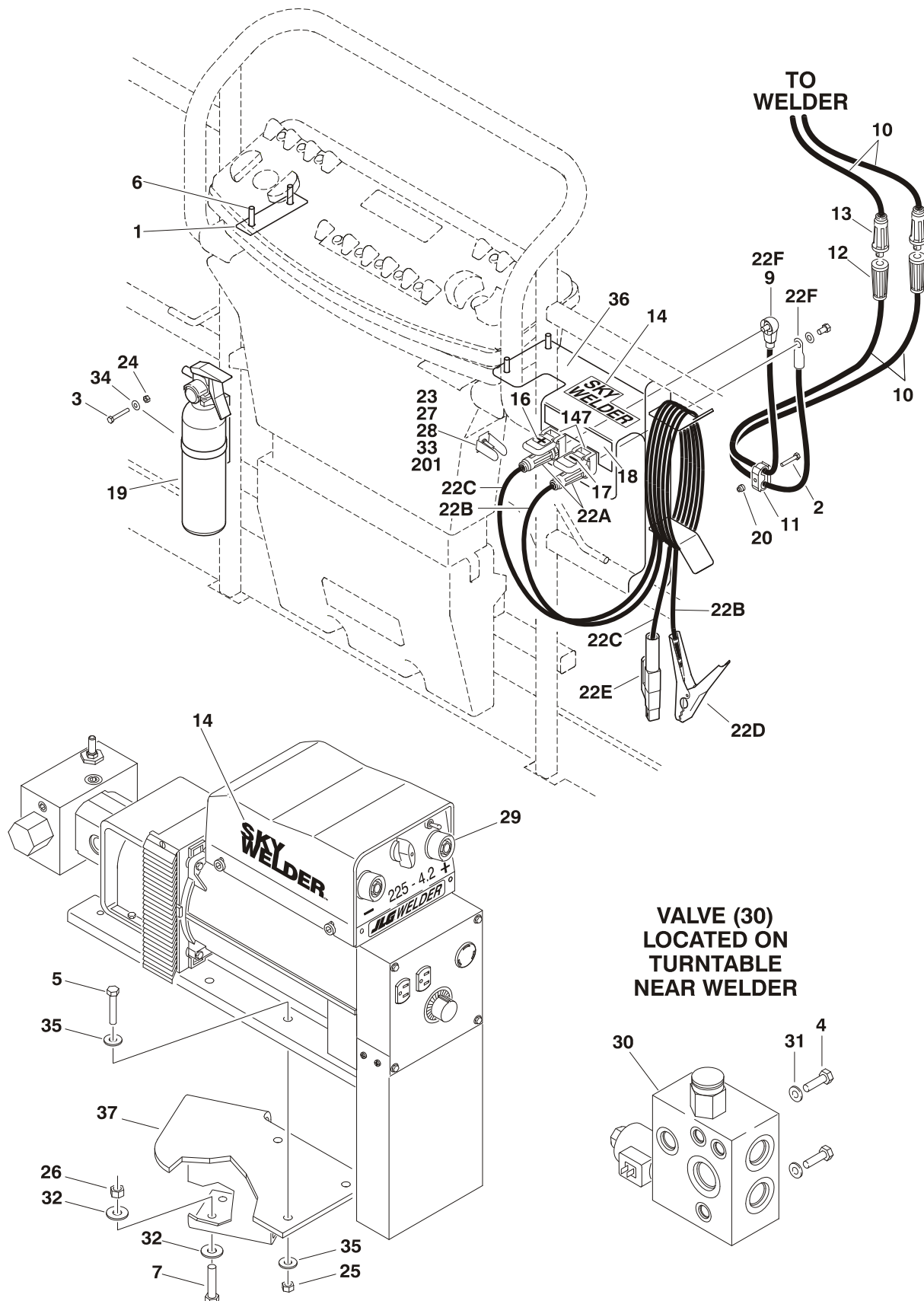
Note: This list is to accommodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.

FIGURE 10-1. SPECIAL OPTIONS LIST (CONTINUED)

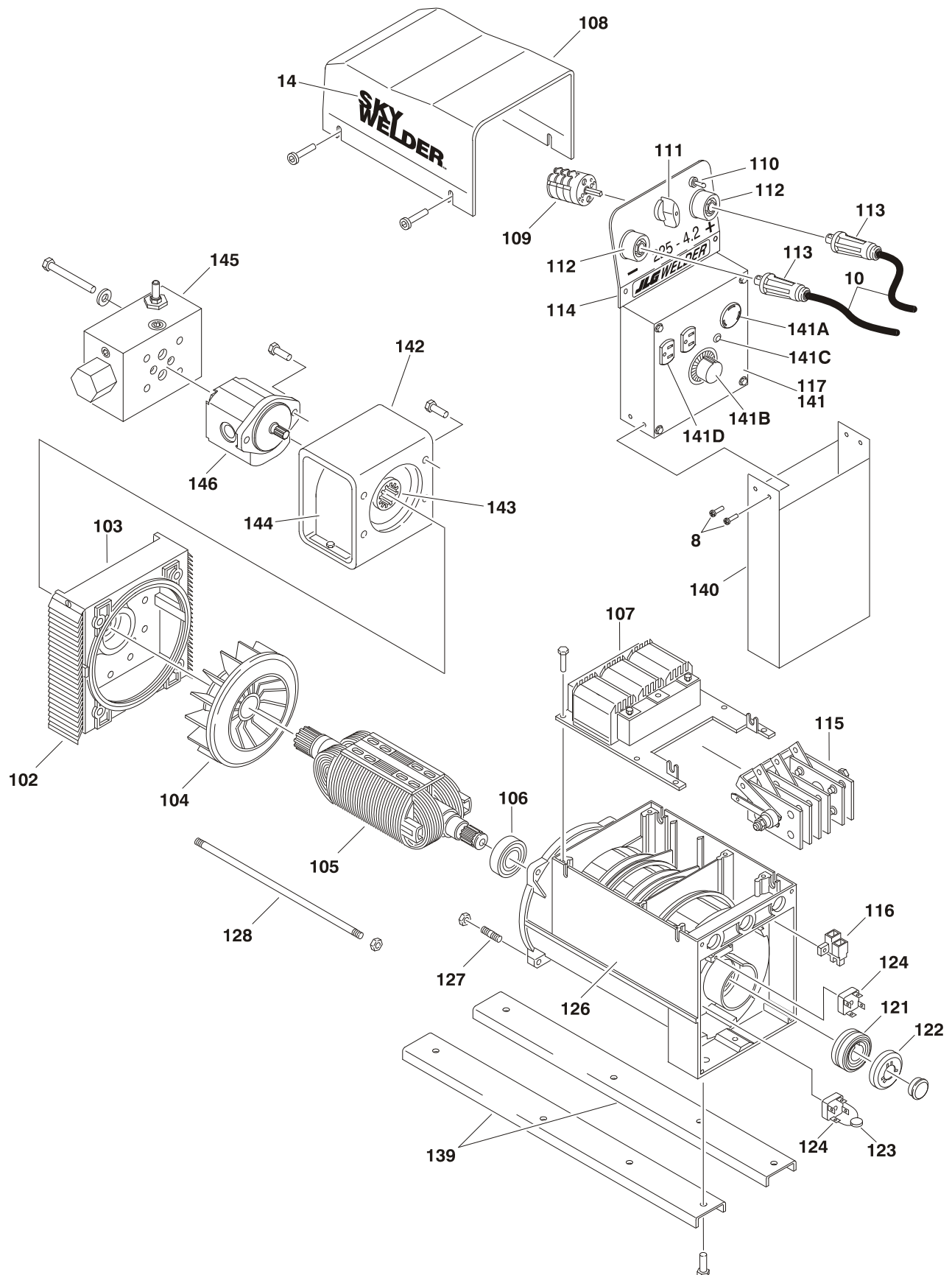
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 10 SPECIAL OPTIONS

FIGURE 10-2. SKY WELDER INSTALLATION



SECTION 10 SPECIAL OPTIONS



SECTION 10 SPECIAL OPTIONS

FIGURE 10-2. SKY WELDER INSTALLATION

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SKY WELDER INSTALLATIONS	
	0271573	Ref	110/220V-60Hz (ANSI Spec 800S)	A
	0271574	Ref	110/220V-60Hz (ANSI Spec 860SJ)	A
	0271577	Ref	110/220V-50Hz (ANSI Export Spec 800S)	A
	0271578	Ref	110/220V-50Hz (ANSI Export Spec 860SJ)	A
1	0362949	1	Bar, Spacer	
2	0641412	1	Bolt 1/4in-20NC x 1-1/2in	
3	0641414	2	Bolt 1/4in-20NC x 1-3/4in	
4	0641511	2	Bolt 5/16in-18NC x 1-3/8in	
5	0641514	4	Bolt 5/16in-18NC x 1-3/4in	
6	0641611	4	Bolt 3/8in-16NC x 1-3/8in	
7	0641818	4	Bolt 1/2in-13NC x 2-1/4in	
8	0750605	4	Screw	
9	0840041	1	Boot, Cable	
10		AR	Cable, Weld	
	1060883	200ft/61m	110/220V-60Hz (ANSI Spec 800S)	
	1060883	212ft/64.6m	110/220V-60Hz (ANSI Spec 860SJ)	
	1060921	200ft/61m	110/220V-50Hz (ANSI Export Spec 800S)	
	1060921	212ft/64.6m	110/220V-50Hz (ANSI Export Spec 860SJ)	
11	1320146	1	Clamp, Hose	
12	1660241	2	Terminal, Female Weld Cable Attach	
13	1660242	2	Terminal, Male Weld Cable Attach	
14	1704895	2	Decal - Sky Welder	
15	1704896	1	Decal - Sky Welder (Not Shown - Located on Hood)	
16	1704919	1	Decal - Positive	
17	1704920	1	Decal - Negative	
18	1705000	1	Decal - Platform Controls	
19	2030010	1	Extinguisher, Fire	
20	2080044	1	Rivnut, Fastener	
21	Not Used			
22	2901971	1	Platform Weld Leads Kit	B
22A	7023413	2	Connector, Cable	
22B	7023414	1	Cable, #1 Weld - Black (12ft Length)	
22C	7023418	1	Cable, #1 Weld - Red (12ft Length)	
22D	7023415	1	Clamp, Ground	
22E	7023416	1	Holder, Electrode	
22F	7023417	2	Lugs, Cable	
23	3252764	1	Nameplate - Welding Leads	
24	3311405	2	Locknut 1/4in-20NC	
25	3311505	4	Locknut 5/16in-18NC	
26	3311805	4	Locknut 1/2in-13Nc	
27	4060802	1	Guard, Switch	
28	4360336	1	Switch, Toggle	
29		1	Hydraulic Welder Assembly Options (See 101 to 147 for Breakdown):	
	4530016		ANSI Spec (60Hz)	
	4530020		ANSI Export Spec (50Hz)	
30	4641201	1	Diverter Valve Assembly	

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FIGURE 10-2. SKY WELDER INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
31	4711500	4	Flatwasher 5/16in Thin	C B
32	4711800	8	Flatwasher 1/2in Thin	
33	4740397	1	Spacer	
34	4751400	2	Flatwasher 1/4in Regular	
35	4751500	8	Flatwasher 5/16in Regular	
36	4846231	1	Support, Weld Lead	
37	4846477	1	Support, Welder	
		Ref	HYDRAULIC WELDER ASSEMBLY	
	4530016	Ref	ANSI Spec (60Hz)	
	4530020	Ref	ANSI Export Spec (50Hz)	
101	Not Used			
102	7023444	2	Grid - Front	
103	7023445	1	Shield Front	
104	7023446	1	Fan	
105	7023251	1	Rotor	
106	7023252	1	Bearing	
107		1	Impedance, Weld Options:	
	7023253		ANSI Spec (60Hz)	
	7024313		ANSI Export Spec (50Hz)	
108	7023447	1	Cover	
109	7023254	1	Switch, Step	
110	7023255	1	Selector, Range	
111	7023256	1	Knob, Switch	
112	7023257	2	Terminal, Female Weld Cable Attach	
113	7023258	2	Terminal, Male Weld Cable Attach	
114		1	Panel, Front Options:	
	See Note		ANSI Spec (60Hz) (Note: Not Available for Purchase.)	
	7024314		ANSI Export Spec (50Hz)	
115	7023259	1	Bridge, Rectifier	C B
116	7023260	1	Brushes and Holder	
117		1	Panel, Receptacle (Panel Only)	
	7023419		ANSI Spec (60Hz)	
	7024315		ANSI Export Spec (50Hz)	
118 to 120	Not Used			
121	7023261	1	Ring, Slip	
122	7023262	1	Cover, Slip Ring	
123	7022363	1	Varistor	
124	7023264	2	Bridge, Single Phase Rectifier	
125	Not Used			
126		1	Housing & Stator Options:	
	7023265		ANSI Spec (60Hz)	
	7024316		ANSI Export Spec (50Hz)	
127	7023266	4	Bolt, Stay M8 x 30mm	
128	7023267	4	Bolt, Stay	
129 to 138	Not Used			
139	7023448	1	Rail Set	
140	7023449	1	Duct	

SECTION 10 SPECIAL OPTIONS

FIGURE 10-2. SKY WELDER INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
141	7023420 See Note	1	Panel Assembly (Complete) Options: ANSI Spec (60Hz) ANSI Export Spec (50Hz) (Note: Not Available for Purchase.)	
141A	7023421 See Note	1	Receptacle, Twistlock Options: ANSI Spec (60Hz) ANSI Export Spec (50Hz) (Note: Not Available for Purchase.)	
141B	7023422	1	Control, Fine	
141C	7023423	1	Light - AC	
141D	7023424 See Note	1	Receptacle Options: ANSI Spec (60Hz) ANSI Export Spec (50Hz) (Note: Not Available for Purchase.)	
141E	7023425	1	Harness (Not Shown)	
142	See Note	1	Mount, Motor (Note: Not Available for Purchase.)	
143	7023426	1	Coupling	
144	See Note	1	Guard, Coupling (Note: Not Available for Purchase.)	
145	7023427	1	Valve Assembly	
146	7023428 7024317	1	Motor Assembly Options: ANSI Spec (60Hz) ANSI Export Spec (50Hz)	
147	7024559	2	Receptacle W/Cover	
	4933193	Ref	ELECTRICAL COMPONENTS	
201	4922641	1	Harness - On/Off Switch	
202	4922570	1	Harness - Welder (Not Shown - Relay in Ground Control Box to Welder)	
203	3740047	1	Relay (Not Shown - Located in Ground Control Box)	

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