



Illustrated Parts Manual

Models **800A** **800AJ**

S/N 0300069000
to S/N 0300140000

P/N
3121176

April 30, 2014

ANSI

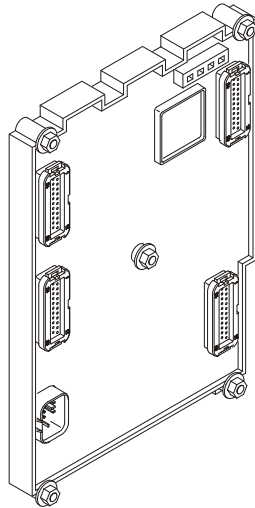


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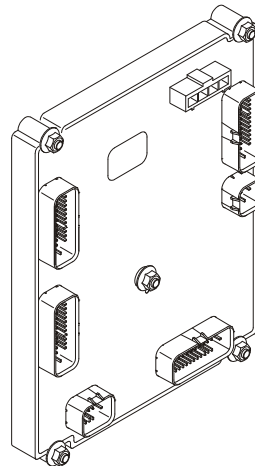
REVISION LOG

GROUND MODULE MODULE IDENTIFICATION

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



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"WITH UGM"
(UNIVERSAL
GROUND MODULE)**



September 30, 2002 - Original Issue Of Manual (Manual edited to 0010580 Revision 21)

February 7, 2003 - Revised (Manual edited to 0010580 Revision 30)

June 30, 2003 - Revised (Manual edited to 0010580 Revision 45)

October 14, 2003 - Revised (Manual edited to 0010580 Revision 49)

February 10, 2004 - Revised (Manual edited to 0010580 Revision 49)

June 8, 2004 - Revised (Manual edited to 0010580 Revision 58)

October 19, 2004 - Revised (Manual edited to 0010580 Revision 64)

March 14, 2005 - Revised (Manual edited to 0010580 Revision 71)

July 15, 2005 - Revised (Manual edited to 0010580 Revision 74)

January 31, 2006 - Revised (Manual edited to 0010580 Revision 81)

May 31, 2006 - Revised (Manual edited to 0010580 Revision 88)

September 25, 2006 - Revised (Manual edited to 0010580 Revision 92)

April 17, 2007 - Revised (Manual edited to 0010580 Revision 101)

July 30, 2007 - Revised (Manual edited to 0010580 Revision 103)

December 7, 2007 - Revised (Manual edited to 0010580 Revision 105)

March 15, 2008 - Revised (Manual edited to 0010580 Revision 106)

November 28, 2008 - Revised (Manual edited to 0010580 Revision 115)

May 15, 2009 - Revised (Manual edited to 0010580 Revision 117)

October 15, 2009 - Revised Manual (Manual edited to 0010580 Revision 135)

April 15, 2010 - Revised Manual (Manual edited to 0010580 Revision 143)

December 30, 2010 - Revised Manual (Manual edited to 0010580 Revision 153)

April 27, 2011 - Revised Manual

July 29, 2011 - Revised Manual

October 21, 2011 - Revised Manual

January 10, 2012 - Revised Manual

REVISION LOG

May 31, 2012 - Revised Manual
July 31, 2012 - Revised Manual
December 14, 2012 - Revised Manual
March 26, 2013 - Revised Manual
June 20, 2013 - Revised Manual
September 16, 2013 - Revised Manual
December 30, 2013 - Revised Manual
April 30, 2014 - Revised Manual

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SECTION 1

FRAME

SECTION 1 FRAME

FIGURE 1-1. AXLE AND STEERING INSTALLATION

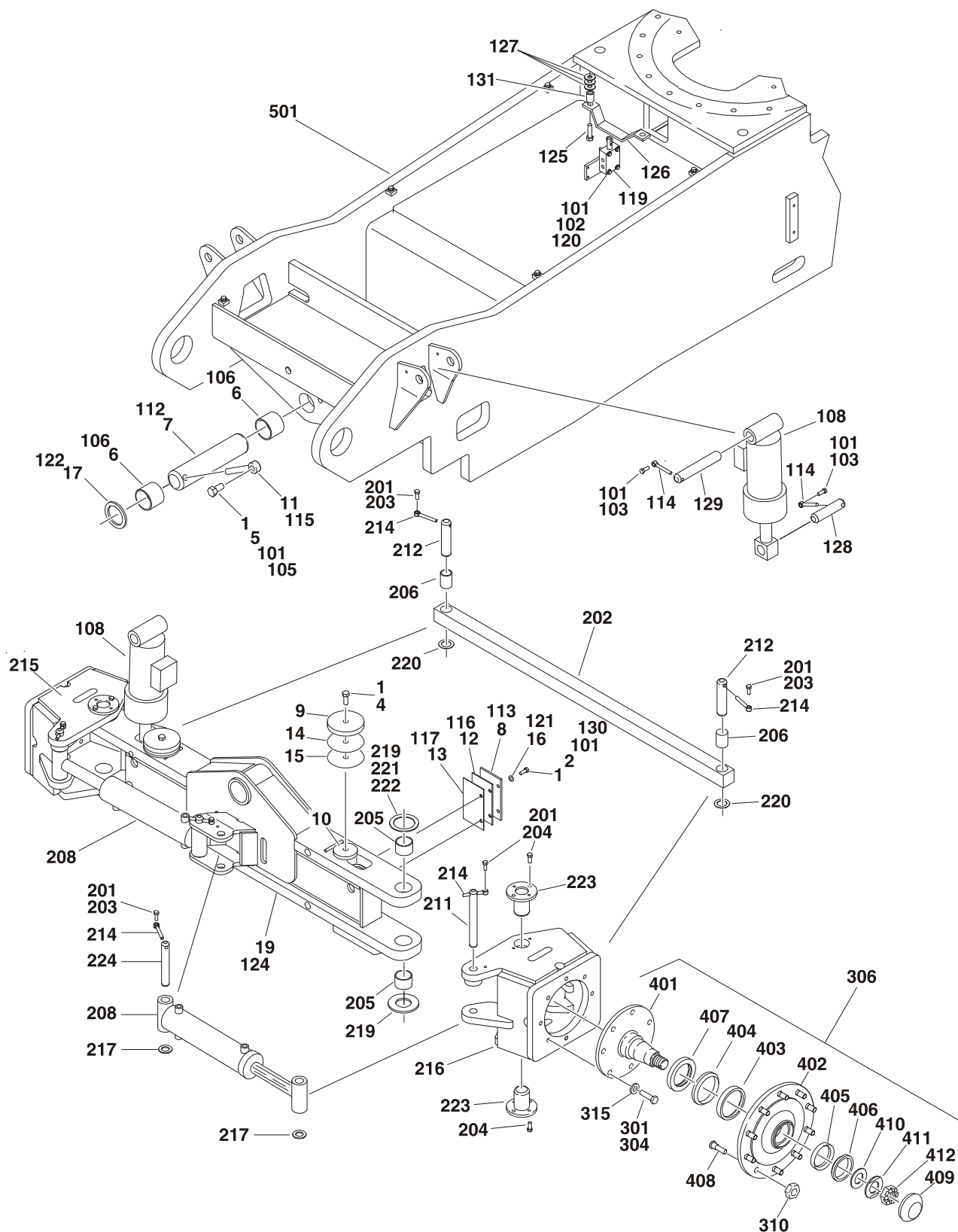


FIGURE 1-1. AXLE AND STEERING INSTALLATION

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 Narrow	
17	4740472	1	Washer, Special	
18	Not Used			
19	4845658	1	Axle Weldment	
		Ref	OSCILLATING AXLE INSTALLATIONS	
	0272269	Ref	Oscillating Axle Without Tow Package (SN 0300069000 to SN 0300083332)	A
	0274264	Ref	Oscillating Axle Without Tow Package (SN 0300083332 to SN 0300140000)	B
	0272655	Ref	Oscillating Axle With Tow Package (SN 0300069000 to SN 0300083332)	A
	0274265	Ref	Oscillating Axle With Tow Package (SN 0300083332 to SN 0300140000)	B
101	0100011	AR	Compound, Locking	
102	0641414	4	Bolt 1/4in-20NC x 1-3/4in (SN 0300069000 to SN 0300083332 Only)	
103	0641608	4	Bolt 3/8in-16NC x1in	
104	Not Used			
105	0642212	1	Bolt 3/4in-10NC x 1-1/2in	
106	0962102	2	Bushing, Composite	
107	Not Used			
108	1683078	2	Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
109 to 111	Not Used			
112	3422703	1	Pin, Main Pivot	
113	3538047	2	Shim, Axle Wear	
114	3841143	4	Shaft, Keeper 3/8in Dia x 3in	
115	3841287	1	Shaft, Keeper 3/8in Dia x 6in	
116	4070878	2	Shim, Axle Wear	
117	4070879	2	Shim, Axle Wear	
118	Not Used			

SECTION 1 FRAME

FIGURE 1-1. AXLE AND STEERING INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
119	4640871	1	Valve, Lockout (SN 0300069000 to SN 0300083332 Only)	
	7012693	1	Seal Kit - 4640871 Valve	
	7002840	1	Pin Removal Tool	
120	4711400	4	Flatwasher 1/4in Narrow (SN 0300069000 to SN 0300083332 Only)	
121	4711600	4	Flatwasher 3/8in Narrow	
122	4740472	1	Washer, Special	
123	Not Used			
124		1	Axle Weldment Options:	
	4845658		Axle Without Tow Package	
	4846413		Axle With	
125	0641816	2	Bolt 1/2in-13NC x 2in (SN 0300069000 to SN 0300083332 Only)	
126	1100086	1	Plate, Cam Lockout (SN 0300069000 to SN 0300083332 Only)	
127	4751800	4	Flatwasher 1/2in (SN 0300069000 to SN 0300083332 Only)	
128	3422702	2	Pin	
129	3422755	2	Pin	
130	0681608	4	Bolt 3/8in-16NC x 1in (Grade 8)	
131	4568514	2	Spacer, Tube (SN 0300069000 to SN 0300083332)	
		Ref	STEERING INSTALLATIONS	
		Ref	2WS	
	0258287	Ref	SN 0300069000 to SN 0300069775	F
	0272003	Ref	SN 0300069775 to SN 0300140000	B
		Ref	4WS (Rear Steering Typical / Double Qty Listed for 4WS)	
	0258909	Ref	SN 0300069000 to SN 03000132176	C
	1001100156	Ref	SN 0300132176 to SN 0300140000	B
	1001137261	Ref	King Pin Kit	A
		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.	
		Ref	Note: See Tow Package Installation for Steering Components on Machines with Tow Option.	
201	0100011	AR	Compound, Locking	
202	0362726	1	Tie-Rod	
203	0641608	6	Bolt 3/8in-16NC x 1in	
204		AR	Bolt Options:	
			2WS	
	0641608	8	SN 0300069000 to SN 0300069775 (3/8in-16NC x 1in)	
	0641810	16	SN 0300069775 to SN 0300140000 (1/2in-13NC x 1-1/4in)	
			4WS	
	0641608	8	SN 0300069000 to SN 0300132176 (3/8in-16NC x 1in)	
	0641810	16	SN 0300132176 to SN 0300140000 (1/2in-13NC x 1-1/4in)	

FIGURE 1-1. AXLE AND STEERING INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
205		4	Bearing Options: 2WS SN 0300069000 to SN 0300069775 0962224 0962448 SN 0300069775 to SN 0300140000 4WS 0962224 SN 0300069000 to SN 0300132176 0962448 SN 0300132176 to SN 0300140000	
206	0962152	2	Bearing, Garmax	
207	Not Used			
208	1683740	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
209 to 210	Not Used			
211	3422701	2	Pin, Steer, Spindle Attach	
212	3422702	2	Pin, Tie-Rod	
213	Not Used			
214	3841143	6	Shaft, Keeper 3/8in x 3in	
215		1	Spindle Weldment (Right Side) Options: 2WS 4130357 SN 0300069000 to SN 0300069775 4130389 SN 0300069775 to SN 0300140000 4WS 4130357 SN 0300069000 to SN 0300132176 4130389 SN 0300132176 to SN 0300140000	
216		1	Spindle Weldment (Left Side) Options: 2WS 4130358 SN 0300069000 to SN 0300069775 4130390 SN 0300069775 to SN 0300140000 4WS 4130358 SN 0300069000 to SN 0300132176 4130390 SN 0300132176 to SN 0300140000	
217	4740111	4	Washer, Special	
218	Not Used			
219	4740463	AR	Washer, Thrust (.250in)	
220	4740473	2	Washer, Special	
221	1001103810	AR	Washer, Thrust (.187in)	
222	4740256	AR	Washer, Thrust (.125in)	
223		4	Kingpin Options: 2WS 3422753 SN 0300069000 to SN 0300069775 3422972 SN 0300069775 to SN 0300140000 4WS 3422753 SN 0300069000 to SN 0300132176 3422972 SN 0300132176 to SN 0300140000	
224	3422754	2	Pin, Attach	

SECTION 1 FRAME

FIGURE 1-1. AXLE AND STEERING INSTALLATION (CONTINUED)

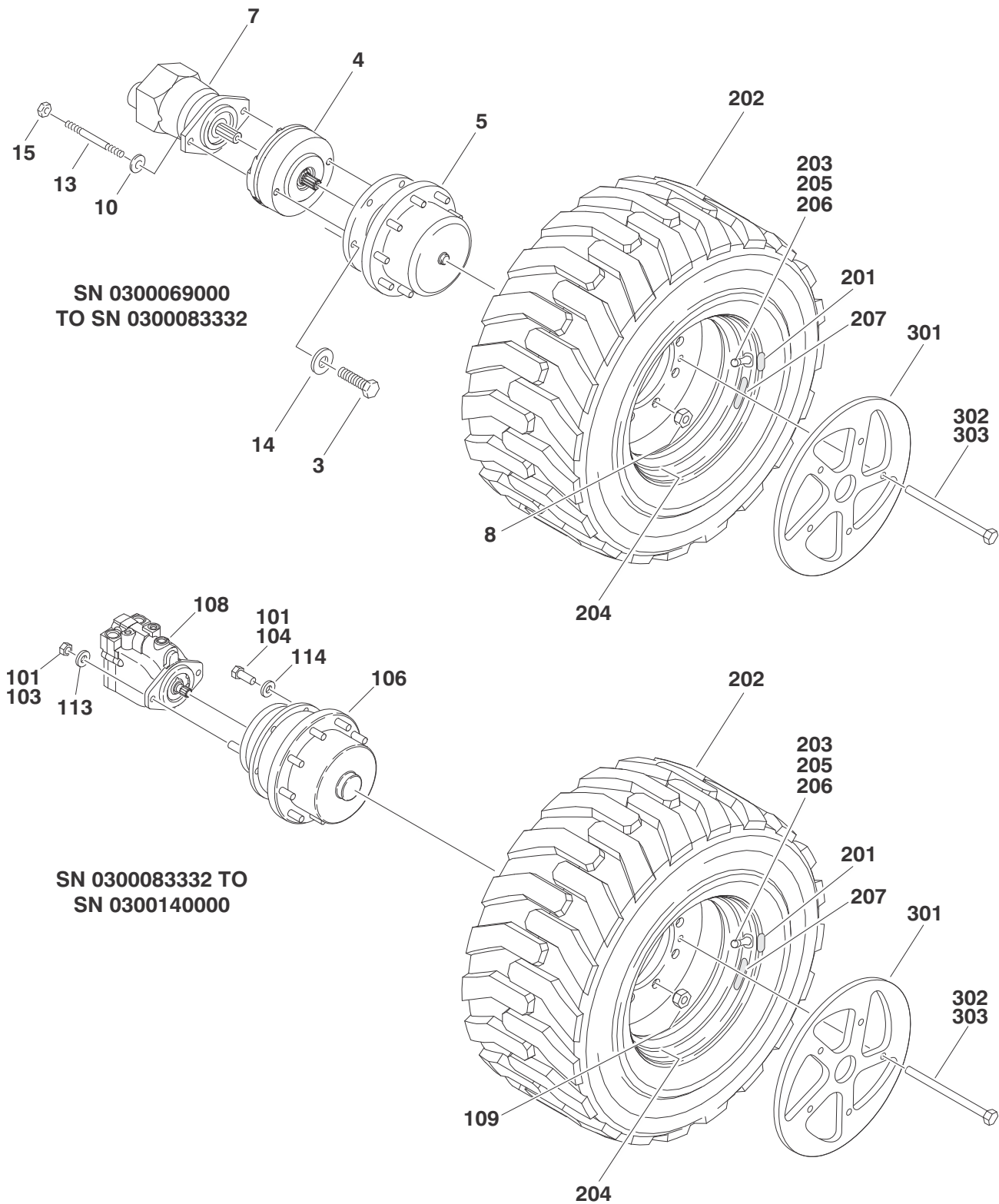
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	HUB INSTALLATION (2WD ONLY)	
	0270209	Ref	SN 0300069000 to SN 0300083332	B
	0273378	Ref	SN 0300083332 to SN 0300140000	D
301	0100011	AR	Compound, Locking	
302 to 303	Not Used			
304	0682016	16	Bolt 5/8in-16NC x 2in (Grade 8)	
305	Not Used			
306	2780229	2	Hub Assembly (See Items 401-412 for Breakdown)	
307 to 309	Not Used			
310	3300007	20	Lugnut	
311 to 314	Not Used			
315	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)	
501		Ref	FRAME WELDMENT OPTIONS:	
		Ref	All Specs Except CSA Spec	
		Ref	SN 0300069000 to SN 0300083332	
	2360600		2WD/2WS with Pneumatic Tires	
	2360601		2WD/2WS with Foam-Filled Tires	
	2360602		4WD/2WS with Pneumatic Tires	
	2360603		4WD/2WS with Foam-Filled Tires	
	2360592		4WD/4WS with Pneumatic Tires	
	2360591		4WD/4WS with Foam-Filled Tires	
		Ref	SN 0300083332 to SN 0300140000	
	Use 2360644		2WD/2WS with Pneumatic Tires (was p/n 2360638)	
	Use 2360645		2WD/2WS with Foam-Filled Tires (was p/n 2360639)	
	Use 2360646		4WD/2WS with Pneumatic Tires (was p/n 2360640)	
	Use 2360647		4WD/2WS with Foam-Filled Tires (was p/n 2360641)	
	Use 2360686		4WD/4WS with Pneumatic Tires (was p/n 2360642)	
	Use 2360709		4WD/4WS with Foam-Filled Tires (was p/n 2360643)	

FIGURE 1-1. AXLE AND STEERING INSTALLATION (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	CSA Spec -Frame Weldment	
		Ref	SN 0300069000 to SN 0300083332	
	2360609		2WD/2WS with Pneumatic Tires	
	2360610		2WD/2WS with Foam-Filled Tires	
	2360611		4WD/2WS with Pneumatic Tires	
	2360612		4WD/2WS with Foam-Filled Tires	
	2360570		4WD/4WS with Pneumatic Tires	
	2360708		4WD/4WS with Foam-Filled Tires	
		Ref	SN 0300083332 to SN 0300140000	
	2360644		2WD/2WS with Pneumatic Tires	
	2360645		2WD/2WS with Foam-Filled Tires	
	2360646		4WD/2WS with Pneumatic Tires	
	2360647		4WD/2WS with Foam-Filled Tires	
	2360686		4WD/4WS with Pneumatic Tires	
	2360709		4WD/4WS with Foam-Filled Tires	

SECTION 1 FRAME

FIGURE 1-2. TIRE AND WHEEL INSTALLATIONS



SECTION 1 FRAME

FIGURE 1-2. TIRE AND WHEEL INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	WHEEL DRIVE INSTALLATIONS (SN 0300069000 TO SN 0300083332)	
	0270209	Ref	2WD/2WS	B
	0270210	Ref	4WD/2WS	B
	0270211	Ref	4WD/4WS	B
		Ref	Note: 2WD Qty Shown. For 4WD, Double Qty Shown.	
1 to 2	Not Used			
3	0682016	16	Bolt 5/8in-11NC x 2in (Grade 8)	
4	Use 0920119	4	Drive Brake Assembly (was p/n 0920117)	
	7018612	1	Repair Kit (Includes Case Seal, Piston Inner & Outer O-Rings & Back-up Rings, Stator Disc, Rotor Disc, Return Plate, Springs, Oil Seal, Bearing, 2 Retaining Rings & 2 Mounting Face Gaskets) (1 Per Assembly)	
	7000731	2	Gasket, Mounting Face (2 Per Assembly)	
	7007990	1	O-Ring, Mounting (1 Per Assembly) (0920119 Brake)	
		Ref	Note: No Other Parts Available.	
5		2	Drive Hub Assembly Options: (See DRIVE HUB ASSEMBLIES for Breakdown)	
	2780227		2WD	
	2780228		4WD	
6	Not Used			
7	3160204	2	Drive Motor Assembly (See DRIVE MOTOR ASSEMBLY for Breakdown)	
8	3300007	20	Nut, Wheel	
9	Not Used			
10	4300097	4	Stud	
11 to 12	Not Used			
13	4891800	4	Flatwasher 1/2in	
14	Not Used			
15	3311801	4	Nut 1/2in-13 NC	
		Ref	WHEEL DRIVE INSTALLATION (SN 0300083332 TO SN 0300140000)	
	0273378	Ref	2WD/2WS	E
	0273704	Ref	4WD/2WS	D
	0274232	Ref	4WD/4WS	D
		Ref	Note: 2WD Qty Shown. For 4WD, Double Qty Shown.	
101	0100011	AR	Compound, Locking	
102	Not Used			
103	3311801	4	Nut 1/2in-13 NC	
104	0682016	16	Bolt 5/8in-11NC x 2in (Grade 8)	
105	2300016	AR	Fluid, Hydraulic (Not Shown)	
106	2780272	2	Drive Hub Assembly (See DRIVE HUB ASSEMBLY for Breakdown)	
107	3020008	AR	Lubricant (Not Shown)	

SECTION 1 FRAME

FIGURE 1-2. TIRE AND WHEEL INSTALLATIONS (CONTINUED)

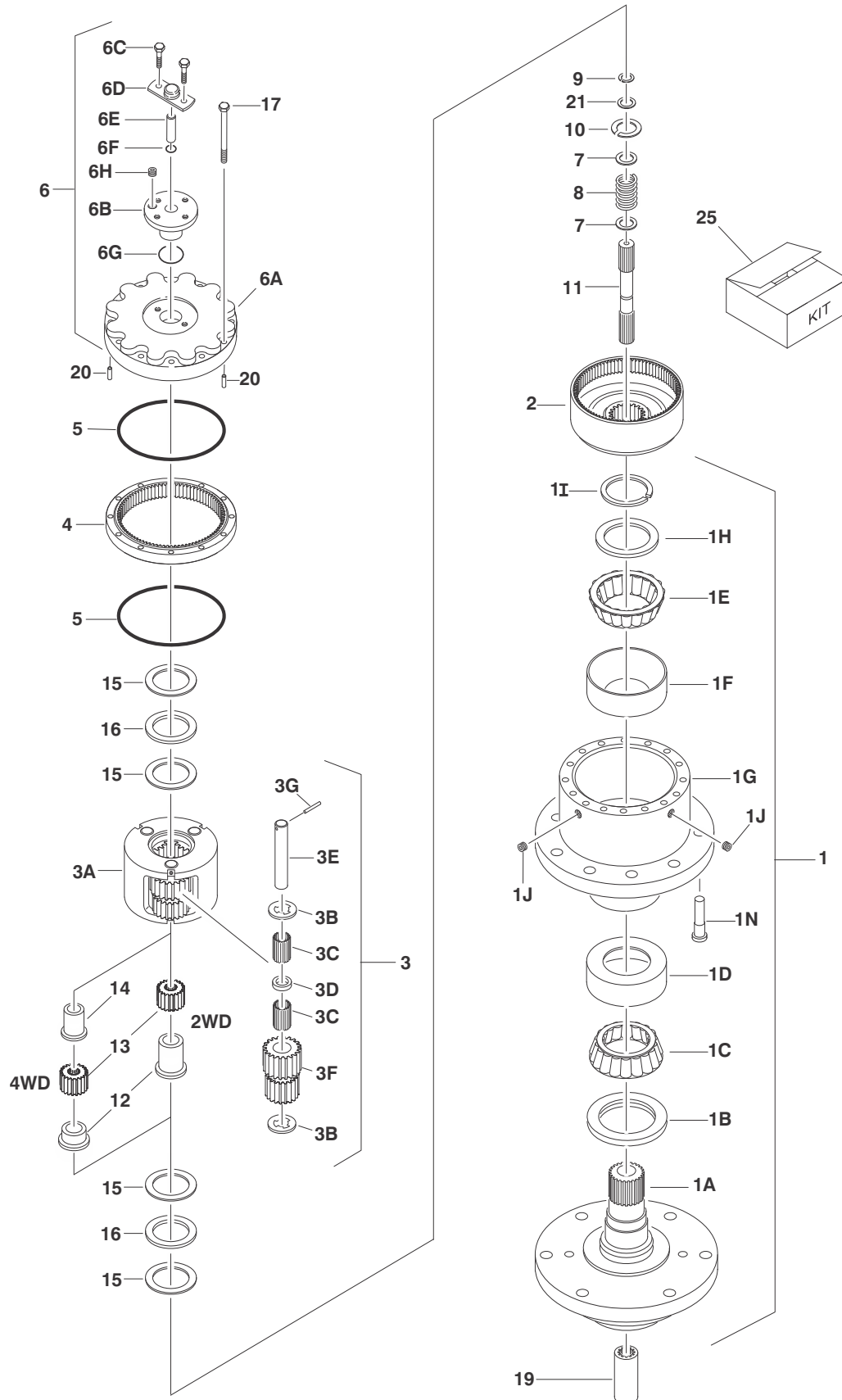
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
108		2	Drive Motor Assembly Options:	
	Use 3160347	2	2WD Rear (SN 0300083332 to SN 0300098925 was p/n 3160308 - See DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) for Breakdown) (SN 0300098925 to SN 0300140000 p/n 3160347 - See DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) for Breakdown)	
	Use 3160348	4	4WD Front & Rear (SN 0300083332 to SN 0300098644 was p/n 3160266 - See DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) for Breakdown) (SN 0300098644 to SN 0300140000 p/n 3160348 - See DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) for Breakdown)	
109	3300007	20	Nut, Wheel	
110 to 112	Not Used			
113	4891800	4	Flatwasher, 1/2in Hardened	
114	4892000	16	Flatwasher, 5/8in Hardened	
		Ref	TIRE AND WHEEL INSTALLATIONS	
	0270885	Ref	15-625 Pneumatic	A
	0272322	Ref	15-625 Pneumatic W/Sealant	1
	0270886	Ref	15-625 Foam-Filled	A
	0258398	Ref	IN445/55D19.5 (18 x 19.5) Pneumatic	A
	0274270	Ref	IN445/55D19.5 (18 x 19.5) Pneumatic W/Sealant	1
	0270888	Ref	18-625 Foam-Filled	A
	0258399	Ref	IN445/55D19.5 Foam-Filled	B
	0274177	Ref	IN385/65D19.5 Foam-Filled	A
	0271083	2	15-625 Pneumatic Left Side	
	0272334	2	15-625 Pneumatic/TS Left Side	
	0271084	2	15-625 Pneumatic Right Side	
	0272333	2	15-625 Pneumatic/TS Right Side	
	0271085	2	15-625 Foam-Filled Left Side	
	0271086	2	15-625 Foam-Filled Right Side	
	0258330	2	IN445/55D19.5 (18 x 19.5) Pneumatic Left Side	
	0258331	2	IN445/55D19.5 (18 x 19.5) Pneumatic Right Side	
	4520354	2	IN445/55D19.5 (18 x 19.5) Pneumatic/TS Left Side	
	4520353	2	IN445/55D19.5 (18 x 19.5) Pneumatic/TS Right Side	
	0258333	2	IN445/55D19.5 Foam-Filled Left Side	
	0258334	2	IN445/55D19.5 Foam-Filled Right Side	
	4520348	2	IN385/65D19.5 Non-Marking Foam-Filled Left Side	
	4520347	2	IN385/65D19.5 Non-Marking Foam-Filled Right Side	
	0271090	2	18-625 Foam-Filled Left Side	
	0271091	2	18-625 Foam-Filled Right Side	
		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,	
201		1	Decal Options:	
	1702701		95 PSI IN385/65D19.5 (15 x 19.5 Tires)	
	1702739		85 PSI IN445/55D19.5 (18 x 19.5 Tires)	

FIGURE 1-2. TIRE AND WHEEL INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
202	4520204	1	Tire Options: IN385/65D19.5 (15 x 19.5)	
	4520242		IN385/65D19.5 Non-Marking (15 x 19.5)	
	4520252		15-625	
	4520205		IN445/55D19.5 (18 x 19.5)	
	4520253		18.625	
203	4640113	1	Valve, Air	
204		1	Rim, Wheel Options:	
	4860148		11.75 x 19.5	
	4860224		13 x 24.5	
	4860188		14 x 19.5	
	4860225		15 x 24.5	
205	1120552	1	Cap Valve Stem (Green) (W/Sealant Only)	2/A
206	1300019	AR	Chemical, Tire Sealant (Green) (W/Sealant Only)	
207	1705364	1	Decal - Tire Sealant (W/Sealant Only)	
	0256196	Ref	WHEEL COVER INSTALLATION (OPTIONAL)	
301	1670776	4	Cover, Wheel	
302	0641550	20	Bolt 5/16in - 18NC x 6-1/4in	
303	0100011	AR	Compound, Locking	

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FIGURE 1-3. DRIVE HUB ASSEMBLIES (SN 0300069000 TO SN 0300083332)



SECTION 1 FRAME

FIGURE 1-3. DRIVE HUB ASSEMBLIES (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780227	Ref	DRIVE HUB ASSEMBLY (2WD)	A
	2780228	Ref	DRIVE HUB ASSEMBLY (4WD)	D
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	Washer, Thrust	
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	2	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		1	Shaft, Input Options:	
	7017039		2WD	
	7017044		4WD	

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FIGURE 1-3. DRIVE HUB ASSEMBLIES (SN 0300069000 TO SN 0300083332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
12	7017041 7017045	1	Spacer, Input Options: 2WD 4WD	
13	7017038 7017043	1	Gear, Sun Options: 2WD 4WD	
14	Not Required 7017046	AR 0 1	Spacer, Input Options: 2WD 4WD	
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 Not Required	AR 1 0	Thrustwasher Options: 2WD 4WD	
22 to 24	Not Used			
25	7017068	1	Seal Kit (Includes Items 1B, 1I, 5, 6F, 6G, 15 & 16)	

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FIGURE 1-3. DRIVE HUB ASSEMBLIES (SN 0300069000 TO SN 0300083332) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-4. DRIVE HUB ASSEMBLY (SN 0300083332 TO SN 0300140000)

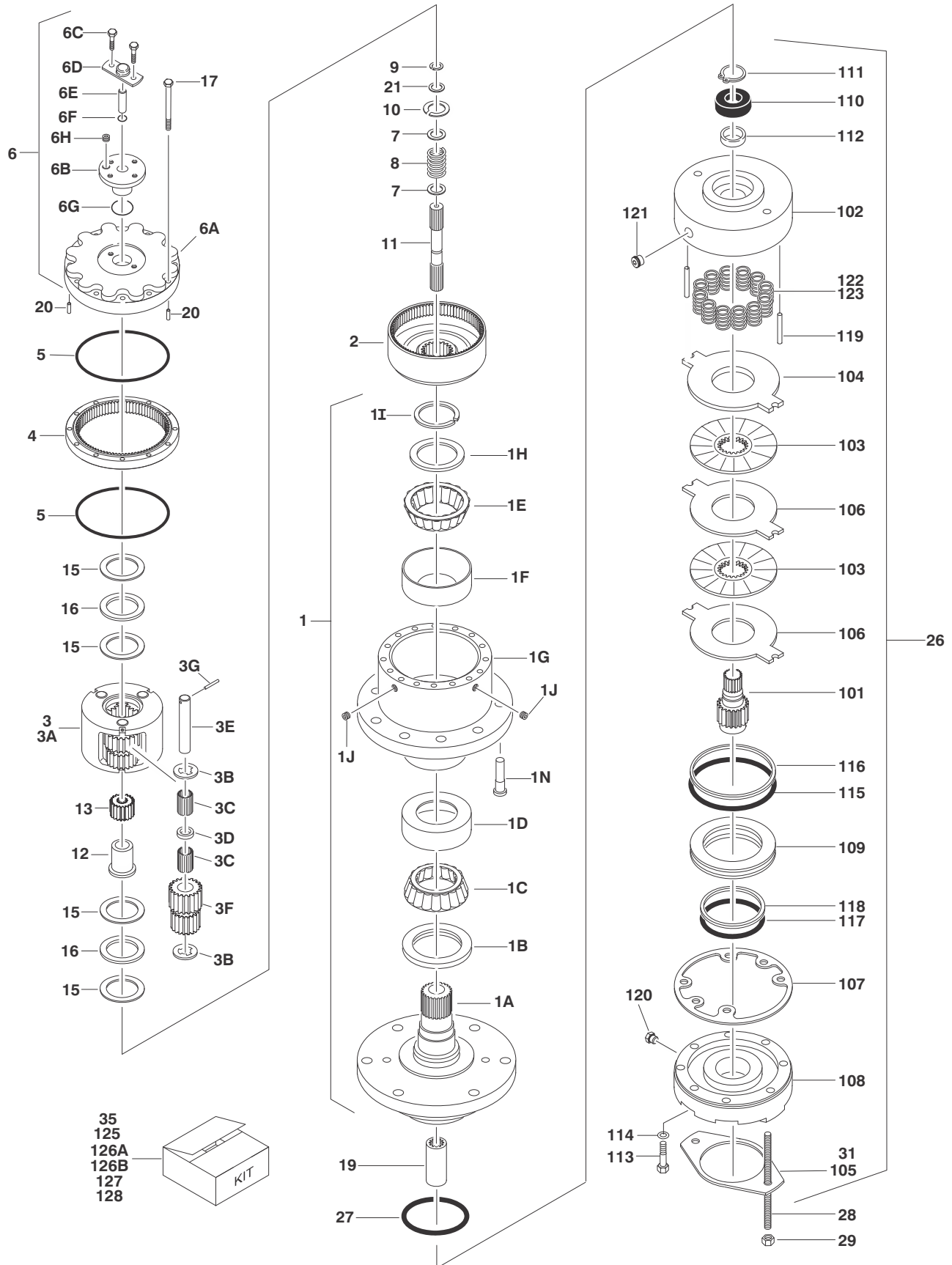


FIGURE 1-4. DRIVE HUB ASSEMBLY (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2780272	Ref	DRIVE HUB/BRAKE ASSEMBLY	B
	2780227	Ref	Hub Assembly	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	Washer, Thrust	
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 1-4. DRIVE HUB ASSEMBLY (SN 0300083332 TO SN 0300140000) (CONTINUED)

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	
32 to 34	Not Used			
35	7017068	1	Seal Kit - Hub (Includes Items 1B,5,6F,6G & 8)	
	7024182	Ref	BRAKE ASSEMBLY	
101	7024189	1	Shaft	
102	Use 7024182	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 Item 125, 127 or 128.)	
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 - Purchase Locally.)	
121	See Note	2	Plug (Note: Not Available - Purchase Locally.)	
122	Use 7024195	10	Spring Kit (Natural)	
123	Use 7024196	2	Spring Kit (Blue)	
124	Not Used			
125	7024194	1	Seal Kit - Brake (Includes Items 105, 107 & 115-118)	
126			Spring Kit - Brake Options:	
126A	7024195	1	Includes 12 Natural Colored Springs Item 122 (was p/n 7024195) Note: Spring Kit no Longer Available, Purchase Kit p/n 7024196.	
126B	7024196	1	Includes 12 Natural & 2 Blue Colored Springs Items 122 & 123	

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FIGURE 1-4. DRIVE HUB ASSEMBLY (SN 0300083332 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
127	7024193	1	Friction Disc Kit - Brake (Includes Items 103, 104, 106 & 107)	
128	7024197	1	Bearing Kit - Brake (Includes Items 107 & 110-112)	

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FIGURE 1-5. DRIVE MOTOR ASSEMBLY (SN 0300069000 TO SN 0300083332)

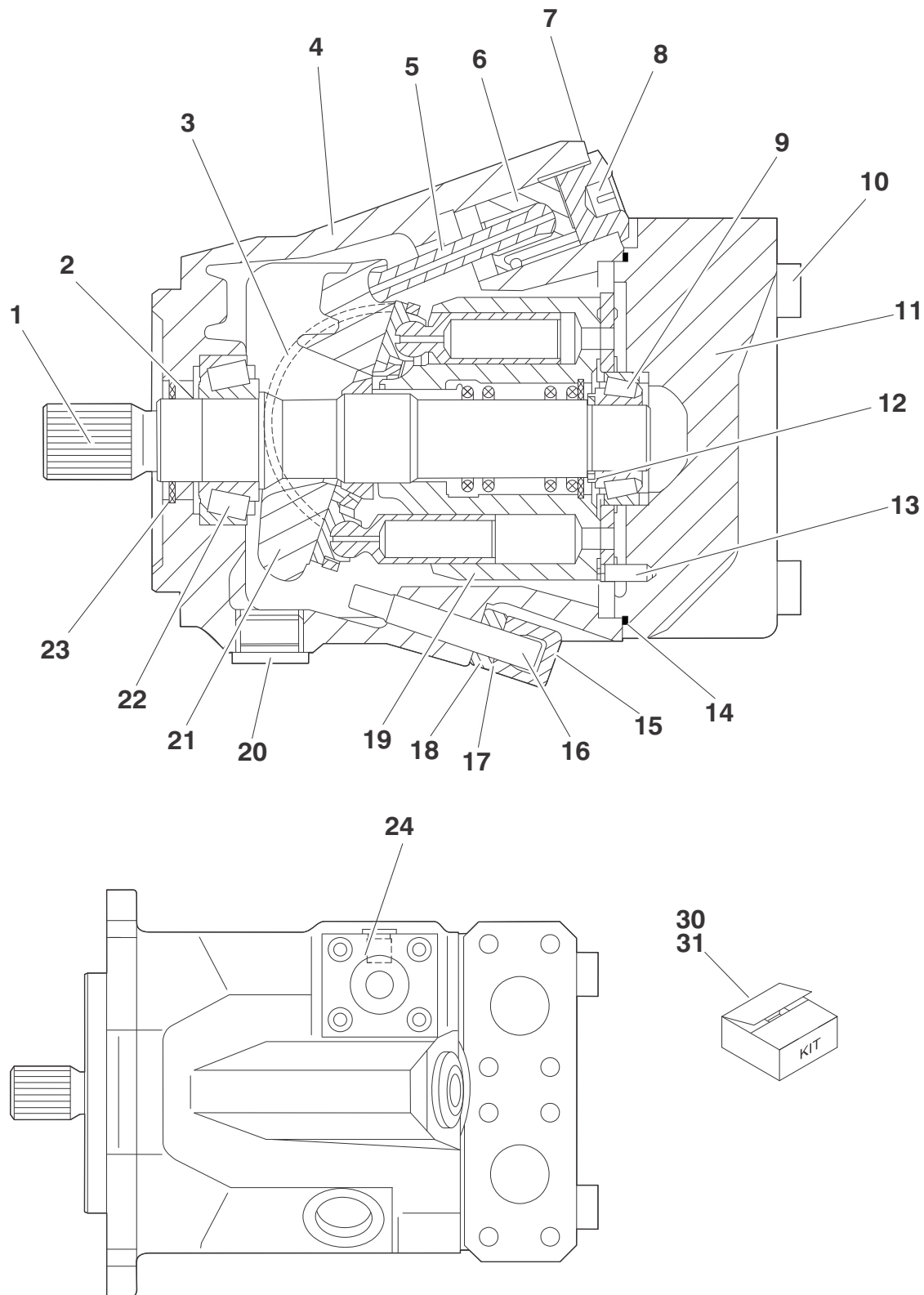


FIGURE 1-5. DRIVE MOTOR ASSEMBLY (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3160204	Ref	DRIVE MOTOR ASSEMBLY	A
1	7012701	1	Shaft - 13 Teeth	
2	Use 2900788	1	Seal, Shaft	
3	7012702	2	Bearing, Cradle	
4	See Note	1	Housing (Note: Not Available - Purchase Complete Assy.)	
5	7012703	1	Rod, Piston	
6	7012704	1	Piston, Stroking	
7	Use 2900788	1	O-Ring	
8	7012705	1	Nut, Adapter	
9	7012706	1	Bearing, Roller	
10	7012707	4	Bolt, Metric Socket Head M12 x 65	
11	7012708	1	Block, Port	
12	7012709	1	Shim	
13	7012710	1	Pin, Dowel M6 x 18	
14	Use 2900788	1	O-Ring	
15	7012711	1	Nut, Cap M10 x 1	
16	7012712	1	Screw, Adjusting	
17	Use 2900788	2	O-Ring	
18	7012713	1	Nut, Jam M10 x 1	
19	Use 7012716	1	Rotary Group Assembly	
20	See Note	1	Plug (Note: Not Available - Purchase Locally.)	
21	Use 7012716	1	Plate, Swash	
22	7012714	1	Bearing, Roller	
23	7012715	1	V-Ring	
24	7012700	1	Control Plate Assembly	
25 to 29	Not Used			
30	2900788	1	Seal Kit (Includes Items 2,7,14,17 and O-Rings under Item 24)	
31	7012716	1	Rotary Group Kit (Includes Items 19 and 21)	

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FIGURE 1-6. DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) (SN 0300083332 TO SN 0300140000) (4 BOLT ASSEMBLY)

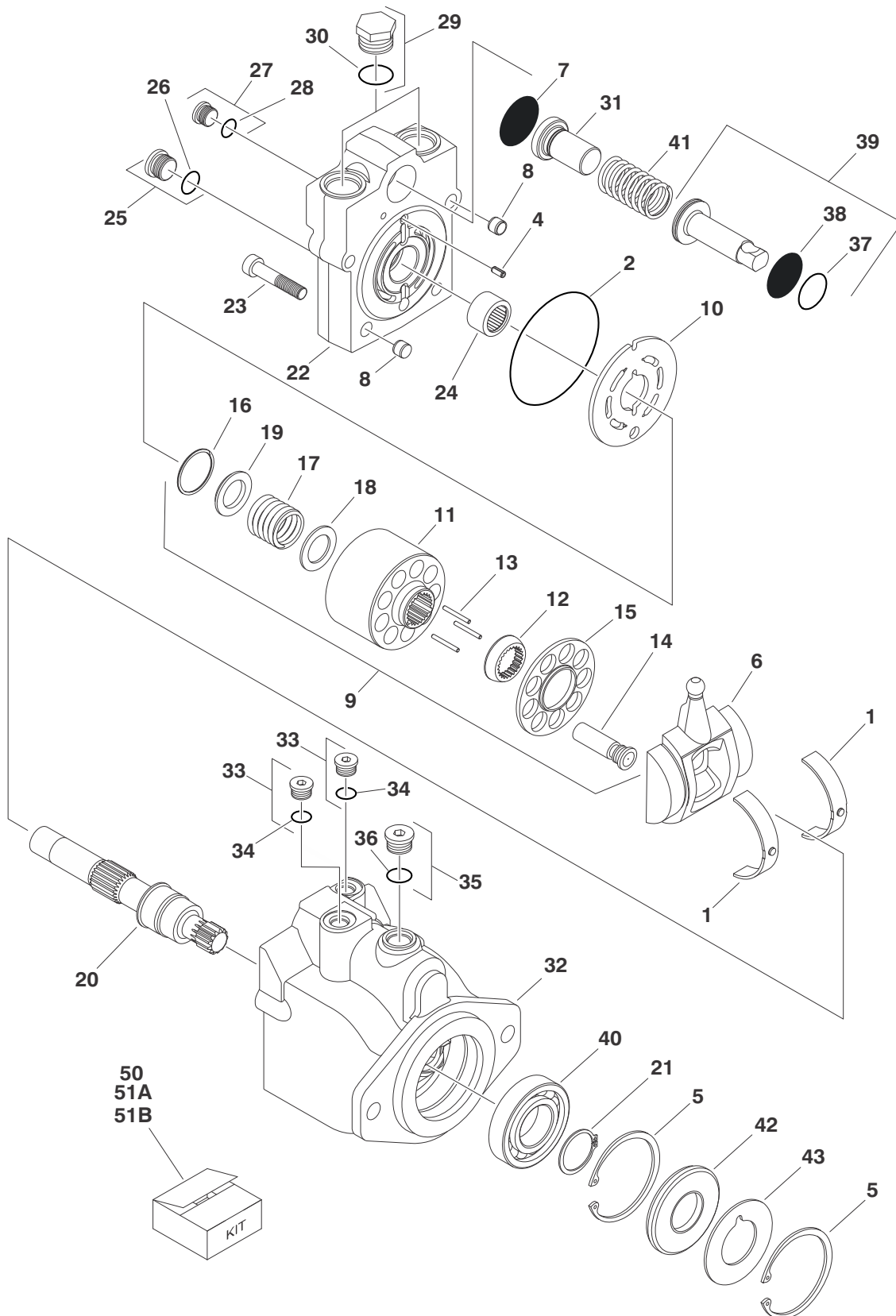


FIGURE 1-6. DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) (SN 0300083332 TO SN 0300140000) (4 BOLT ASSEMBLY)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE MOTOR ASSEMBLY	
	3160308	Ref	2WD	C
	3160266	Ref	4WD	C
		Ref	Note: Original Equipment Motor p/n 3160308 & p/n 3160266 uses 4 bolts to assemble the motor. Service Replacement Motor p/n 3160347 & p/n 3160348 motors use 5 bolts to assemble the motor. Visually identify component before ordering parts. If equipped with p/n 3160347 or p/n 3160348 refer to next illustration.	
1	7022302	2	Bearing, Journal	
2	Use 7022328	1	O-Ring	
3	Use 7022328	1	O-Ring	
4	7007446	1	Pin	
5	7007438	2	Ring, Retaining	
6		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 51A or 51B.)	
12		1	Guide, Slipper Retainer Options:	
	Use 7027740		2WD	
	7021277		4WD	
13	7021275	3	Pin, Slipper Hold Down	
14		9	Piston Assembly Options:	
	7024865		2WD	
	Use 7023907		4WD	
15		1	Retainer, Slipper Options:	
	Use 7027740		2WD	
	7022310		4WD	
16	7022311	1	Ring, Retaining	
17		1	Spring Options:	
	7024867		2WD	
	7022312		4WD	
18		1	Washer	
	7022313		2WD	
	Use 7023907		4WD	
19	7022314	1	Retainer, Spring	
20	7023910	1	Shaft	
21	7007439	1	Ring, Retaining	

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FIGURE 1-6. DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) (SN 0300083332 TO SN 0300140000) (4 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
22	See Note 7022367	1	Cap, End - Axial Options: 2WD (Note: Not Available - Purchase Complete Assy.) 4WD	
23	7022368	4	Screw	
24	7021249	1	Bearing, Needle	
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: 2WD 4WD	
32	7027741 7022372	1	Housing Options: 2WD 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: 2WD (Includes Items 37 & 38) 4WD (Piston Only - Does not include items 37 & 38)	
40	7024871 7022323	1	Bearing	
41	7007437 7022326	1	Spring	
42	Use 7022328	1	Seal, Lip	
43	7022371	1	Washer, Support	
44 to 49	Not Used			
50	7022328	1	Seal Kit (Includes Items 2,3,7,26,28,30,34,36,37,38 and 42)	
51		1	Cylinder Block Kit (Includes Items 11-19) Options:	
51A	7027740		2WD	
51B	7023907		4WD	

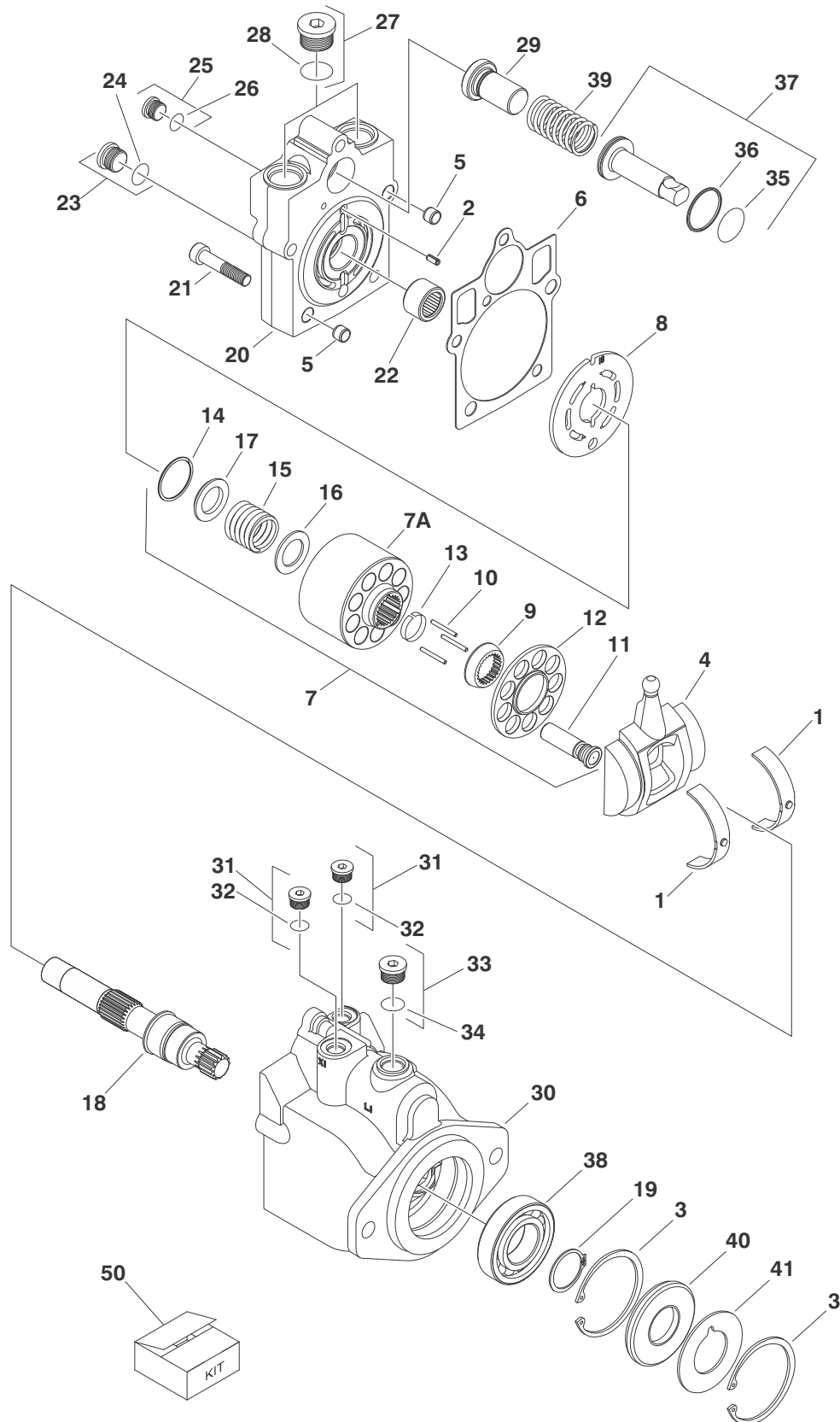
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FIGURE 1-6. DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) (SN 0300083332 TO SN 0300140000) (4 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-7. DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) (SN 0300083332 TO SN 0300140000) (5 BOLT ASSEMBLY)



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FIGURE 1-7. DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) (SN 0300083332 TO SN 0300140000) (5 BOLT ASSEMBLY)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE MOTOR ASSEMBLIES:	
	3160347		Service Replacement Motor for p/n 3120308	B
	3160348		Service Replacement Motor for p/n 3120266	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)	

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FIGURE 1-7. DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) (SN 0300083332 TO SN 0300140000) (5 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
24	Use 7022328	1	O-Ring	
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	
42 to 49	Not Used			
50	7022328	1	Seal Kit (Includes Items 6,24,26,28,32,34,35,36 and 40)	

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FIGURE 1-7. DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) (SN 0300083332 TO SN 0300140000) (5 BOLT ASSEMBLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-8. DRIVE VALVES & SHIELDS INSTALLATIONS (SN 0300069000 TO SN 0300083332)

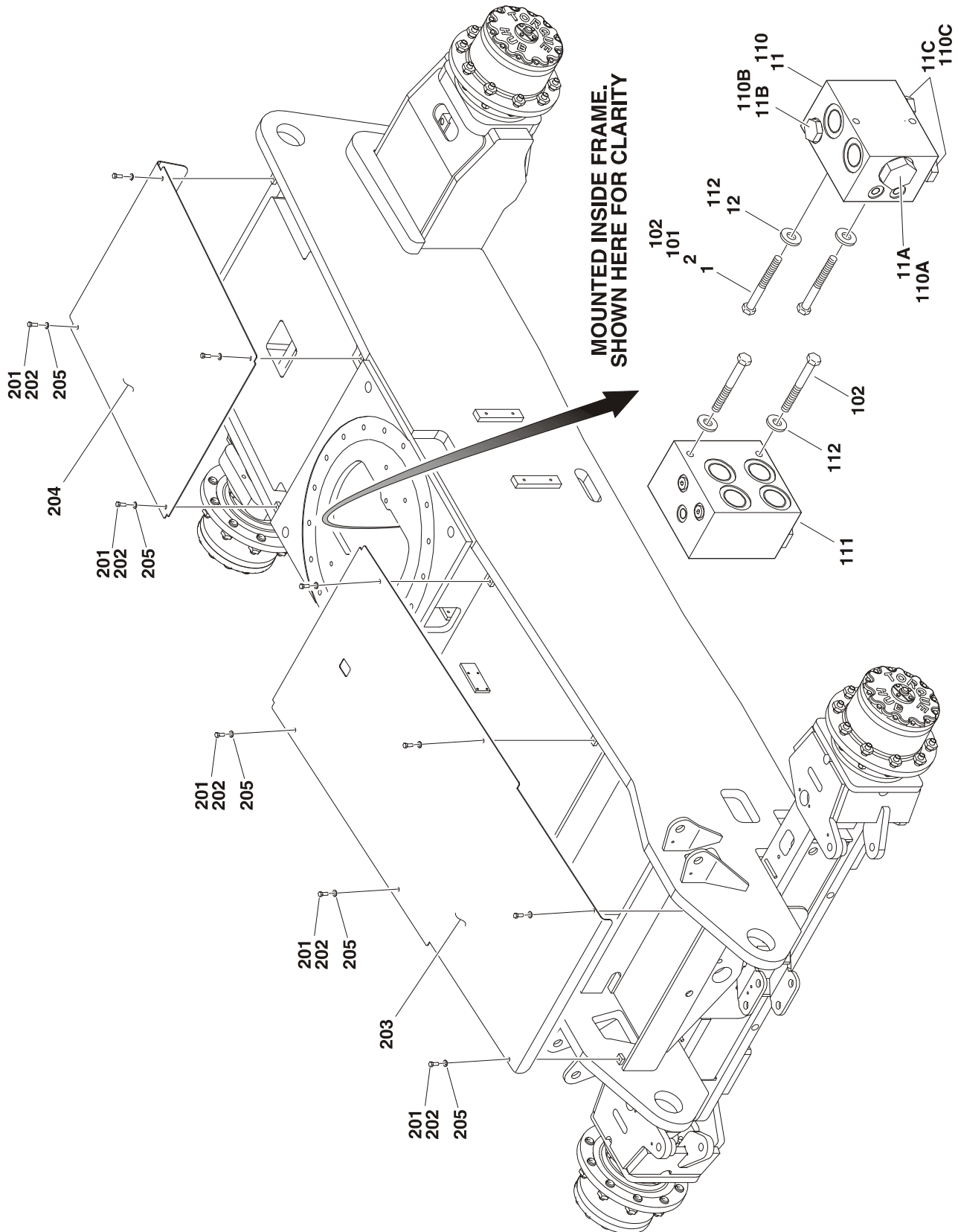


FIGURE 1-8. DRIVE VALVES & SHIELDS INSTALLATIONS (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0270209	Ref	DRIVE VALVES INSTALLATION - 2WD/2WS	B
1	0100011	AR	Compound, Locking	
2	0641628	2	Bolt 3/8in-16NC x 3-1/2in	
3 to 10	Not Used			
11	4641041	1	Flow Divider Valve Assembly	
11A	7022396	1	Cartridge, Flow Divider	
	7021625	1	Seal Kit - 7022396 Cartridge	
11B	7022398	1	Cartridge, Load Shuttle	
	7023900	1	Seal Kit - 7022398 Cartridge	
11C	7022397	2	Cartridge, Check Valves	
	7022399	2	Seal Kit - 7022397 Cartridge	
12	4751600	2	Flatwasher, 3/8in	
		Ref	DRIVE VALVES INSTALLATION	
	0270210	Ref	4WD/2WS	B
	0270211	Ref	4WD/4WS	B
101	0100011	AR	Compound, Locking	
102	0641628	4	Bolt 5/8in-11NC x 3-1/2in	
103 to 109	Not Used			
110	4641041	1	Flow Divider Valve Assembly	
110A	7022396	1	Cartridge, Flow Divider	
	7021625	1	Seal Kit - 7022396 Cartridge	
110B	7022398	1	Cartridge, Load Shuttle	
	7023900	1	Seal Kit - 7022398 Cartridge	
110C	7022397	2	Cartridge, Check Valves	
	7022399	2	Seal Kit - 7022397 Cartridge	
111	4641042	1	Flow Divider Valve Assembly	
	7021656	2	Cartridge, Flow Divider	
	7021625	2	Seal Kit - 7021656 Cartridge	
112	4751600	4	Flatwasher 3/8in	
		Ref	FRAME SHIELDS INSTALLATIONS	
	0271316	Ref	2WD	A
	0258343	Ref	4WD	C
201	0100011	AR	Compound, Locking	
202	0641608	AR	Bolt, 3/8in - 16NC x 1in	
203	3570686	1	Plate, Cover Front	
204		1	Plate, Cover Rear Options:	
	Not Required		2WD	
	3570690		4WD	
205	4751600	AR	Flatwasher, 3/8in	

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FIGURE 1-9. DRIVE VALVES & SHIELDS INSTALLATIONS (SN 0300083332 TO SN 0300140000)

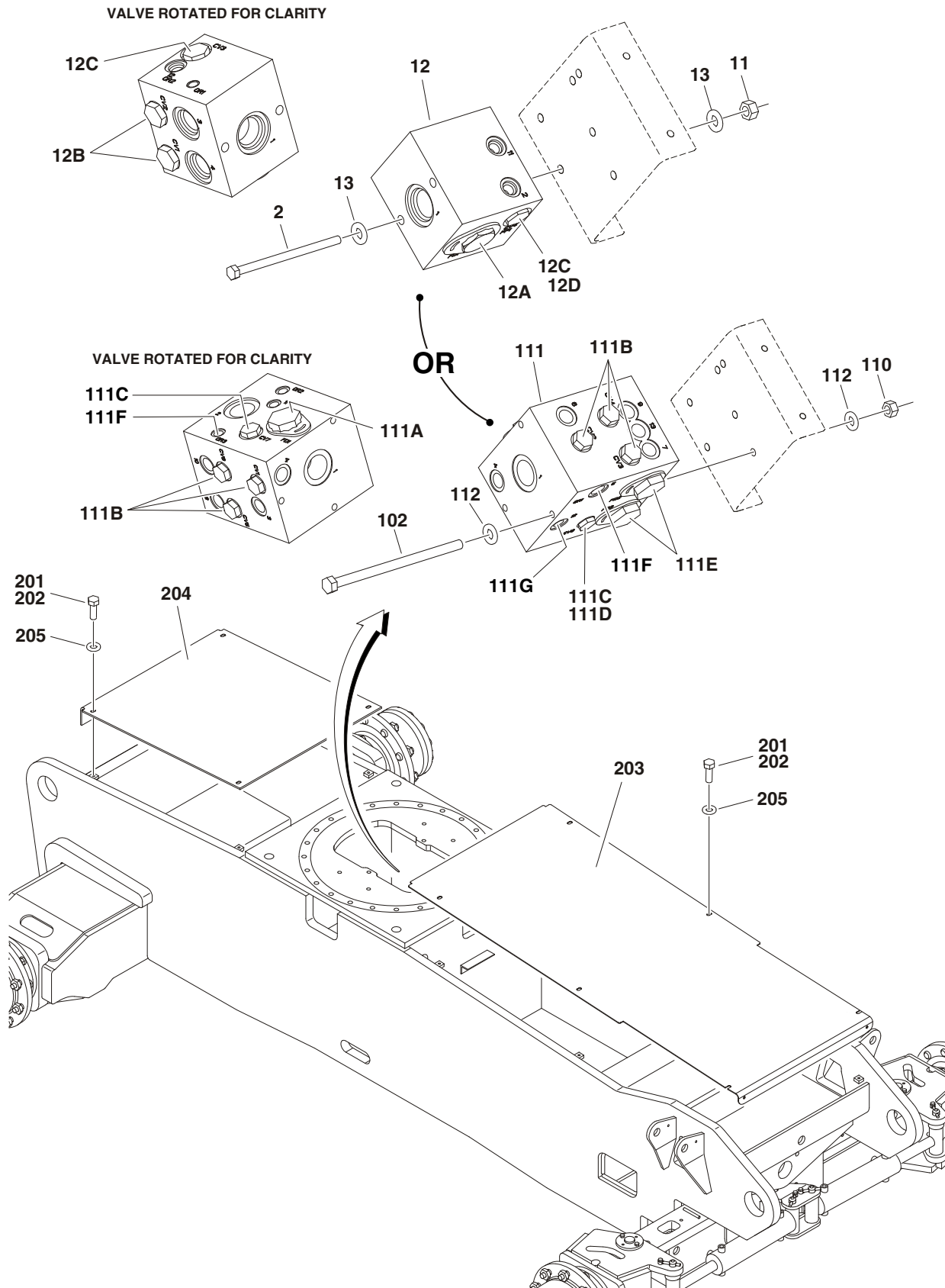


FIGURE 1-9. DRIVE VALVES & SHIELDS INSTALLATIONS (SN 0300083332 TO SN 0300140000)

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:	A
	Use 1001099870		Valve - SN 0300069000 to SN 0300139498 (was p/n 4641300)	
	1001099870		Valve - SN 0300139498 to SN 0300140000	
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	
13	4711500	4	Flatwasher 5/16in Narrow	
		Ref	DRIVE VALVES INSTALLATION	
	0273704	Ref	4WD/2WS	D
	0274232	Ref	4WD/4WS	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	B
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 Narrow	

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FIGURE 1-9. DRIVE VALVES & SHIELDS INSTALLATIONS (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	FRAME SHIELDS INSTALLATIONS	
	0274267	Ref	2WS	A
	0274266	Ref	4WS	A
201	0100011	AR	Compound, Locking	
202	0641608	AR	Bolt, 3/8in - 16NC x 1in	
203	3575718	1	Plate, Cover Front	
204		1	Plate, Cover Rear Options:	
	Not Required		2WS	
	3570690		4WS	
205	4751600	AR	Flatwasher, 3/8in	

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FIGURE 1-9. DRIVE VALVES & SHIELDS INSTALLATIONS (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 1-10. TOW PACKAGE INSTALLATION (2WS ONLY)

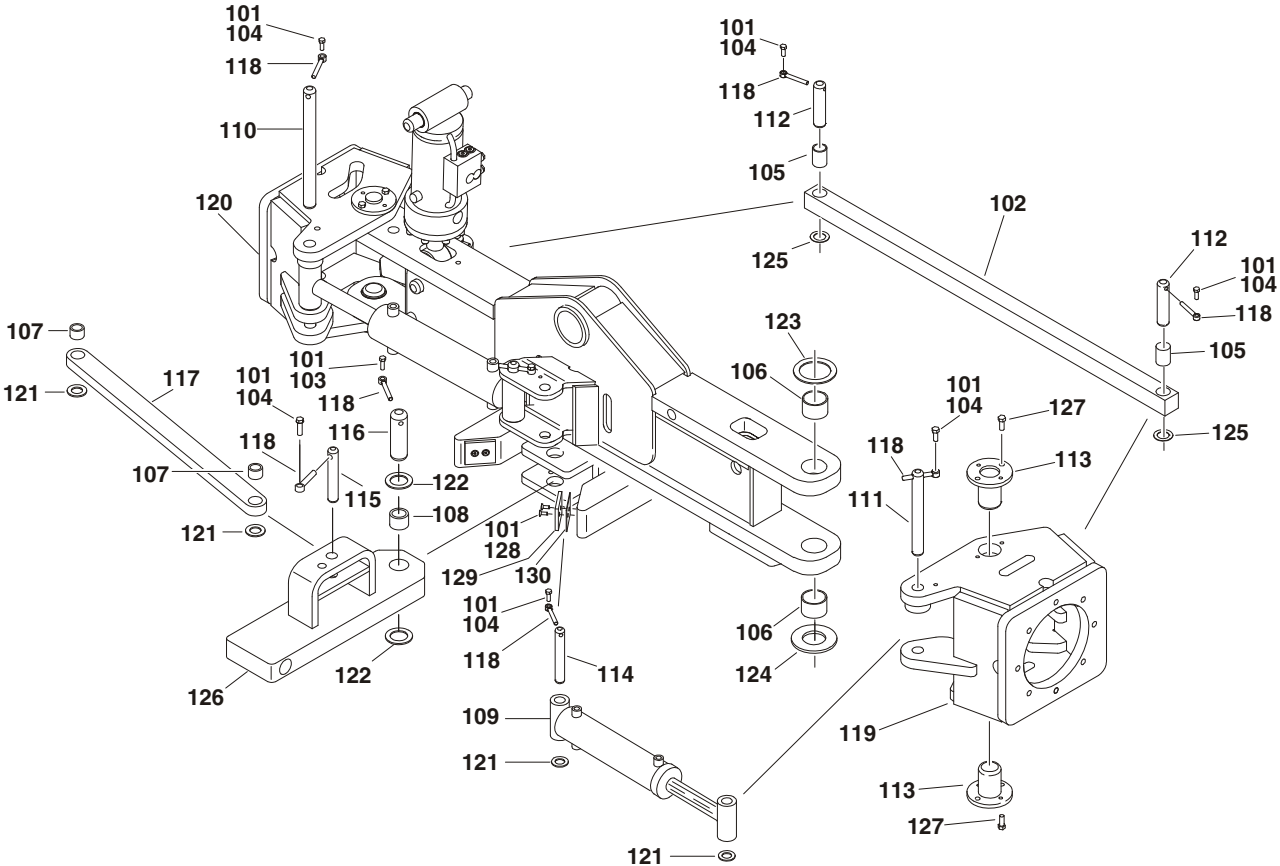
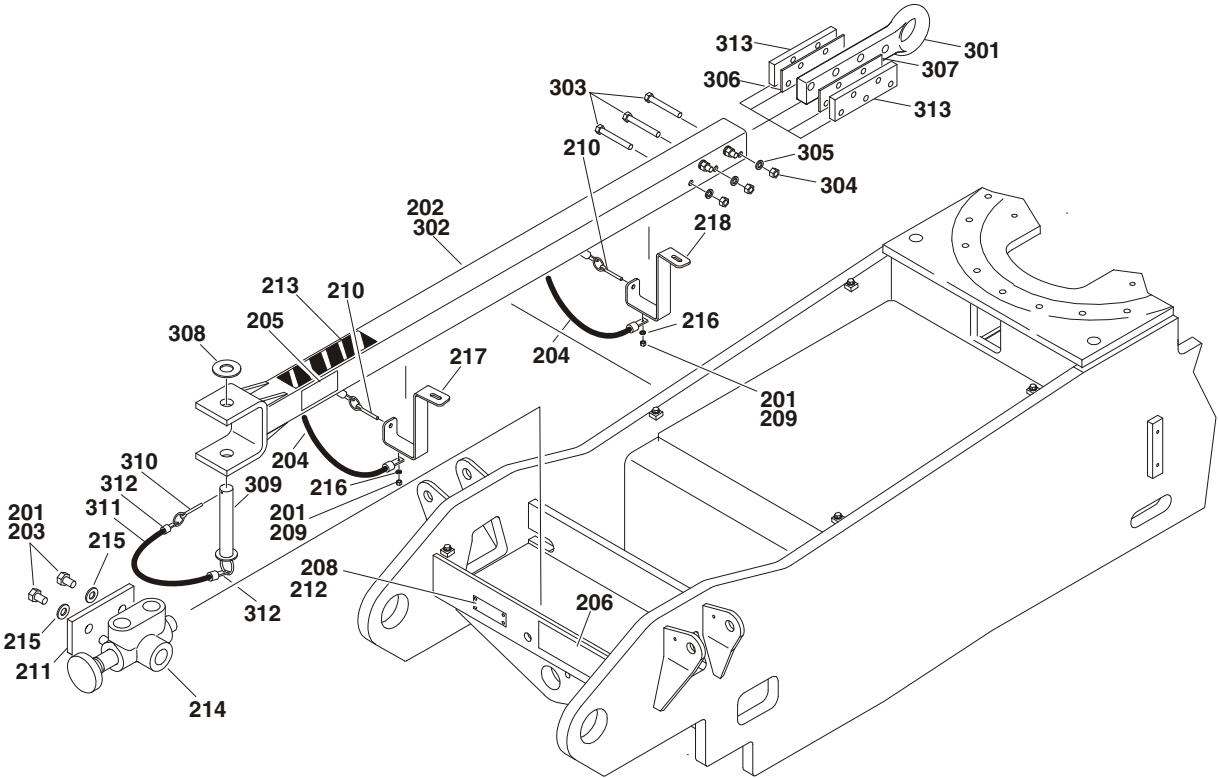


FIGURE 1-10. TOW PACKAGE INSTALLATION (2WS ONLY)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0271352	Ref	STEERING INSTALLATION	E
1 to 100	Not Used			
101	0100011	AR	Compound, Locking	
102	0362726	1	Tie-Rod	
103	0641508	1	Bolt 5/16in-18NC x 1in	
104	0641608	7	Bolt 3/8in-16NC x 1in	
105	0962152	2	Bearing, Composite	
106	0962448	4	Bearing, Composite	
107	0962292	2	Bearing, Garmax	
108	0962348	1	Bearing, Composite	
109	1683740	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
110	3422567	1	Pin	
111	3422701	1	Pin, Steer, Spindle Attach	
112	3422702	2	Pin, Tie-Rod	
113	3422972	4	Kingpin	
114	3422754	2	Pin, Attach	
115	3422813	1	Pin	
116	3422848	1	Pin, Hitch	
117	3573001	1	Plate, Connecting Link	
118	3841143	8	Shaft, Keeper 3/8in x 3in	
119	4130390	1	Spindle Weldment (Left Side)	
120	4130388	1	Spindle Weldment (Right Side)	
121	4740111	6	Washer, Special	
122	4740155	2	Washer, Thrust	
123	4740256	4	Washer, Thrust	
124	4740463	2	Washer, Thrust	
125	4740473	2	Washer, Special	
126		1	Bar, Pivot Options: 4846414 SN 0300069000 to SN 0300074136 4846935 SN 0300074136 to SN 0300140000	
127	0641810	16	Bolt 1/2in-13NC x 1-1/4in	
128		4	Bolt Options: 0741607 Bolt 3/8in-16NC x 7/8in (SN 0300069000 to SN 0300074136) 0741609 Bolt 3/8in-16NC x 1-1/8in (SN 0300074136 to SN 0300140000)	
129	3340966	2	Pad, Stop	
130	4071059	AR	Shim	
		Ref	TOW BAR INSTALLATION	
	0272654	Ref	SN 0300069000 to SN 0300083332	D
	0274252	Ref	SN 0300083332 to SN 0300140000	A
201	0100011	AR	Compound, Locking	
202	0232121	1	Tow Bar Assembly (See Items 301 to 313 For Breakdown)	
203	0641504	2	Bolt 5/16in-18NC x 1/2in	
204	1260017	2ft/0.3m	Chain	
205	1704578	2	Decal - Crushing	

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FIGURE 1-10. TOW PACKAGE INSTALLATION (2WS ONLY) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
206	1705090	1	Decal - Towing Instructions	
207	Not Used			
208	3250872	1	Nameplate - Steer/Tow Valve	
209	3311401	2	Nut 1/4in-20NC	
210	3420292	2	Pin	
211	3539662	1	Plate, Valve Mounting	
212	3820001	4	Rivet, Pop	
213	4420051	2ft/0.3m	Tape	
214	4640261	1	Valve, Float Position	
215	4711500	2	Flatwasher 5/16in (Narrow)	
216	4751400	2	Flatwasher 1/4in (Wide)	
217	4846507	1	Bracket	
218	4846508	1	Bracket	
219	3570686	1	Plate, Cover (Not Shown)	
	0232121	Ref	TOW BAR ASSEMBLY	
301	0360406	1	Bar, Draw	
302	4843777	1	Bar, Tow	
303	0642038	5	Bolt 5/8in-11NC x 4-3/4in	
304	3312001	5	Nut 5/8in-11NC	
305	4762000	5	Lockwasher 5/8in	
306	4070450	AR	Shim, Spacer	
307	4070561	AR	Shim, Spacer	
308	4740036	1	Flatwasher 1-1/2in	
309	3420447	1	Pin	
310	3420372	1	Pin	
311	1260135	1	Chain	
312	3760170	2	Ring	
313	4070560	2	Shim	

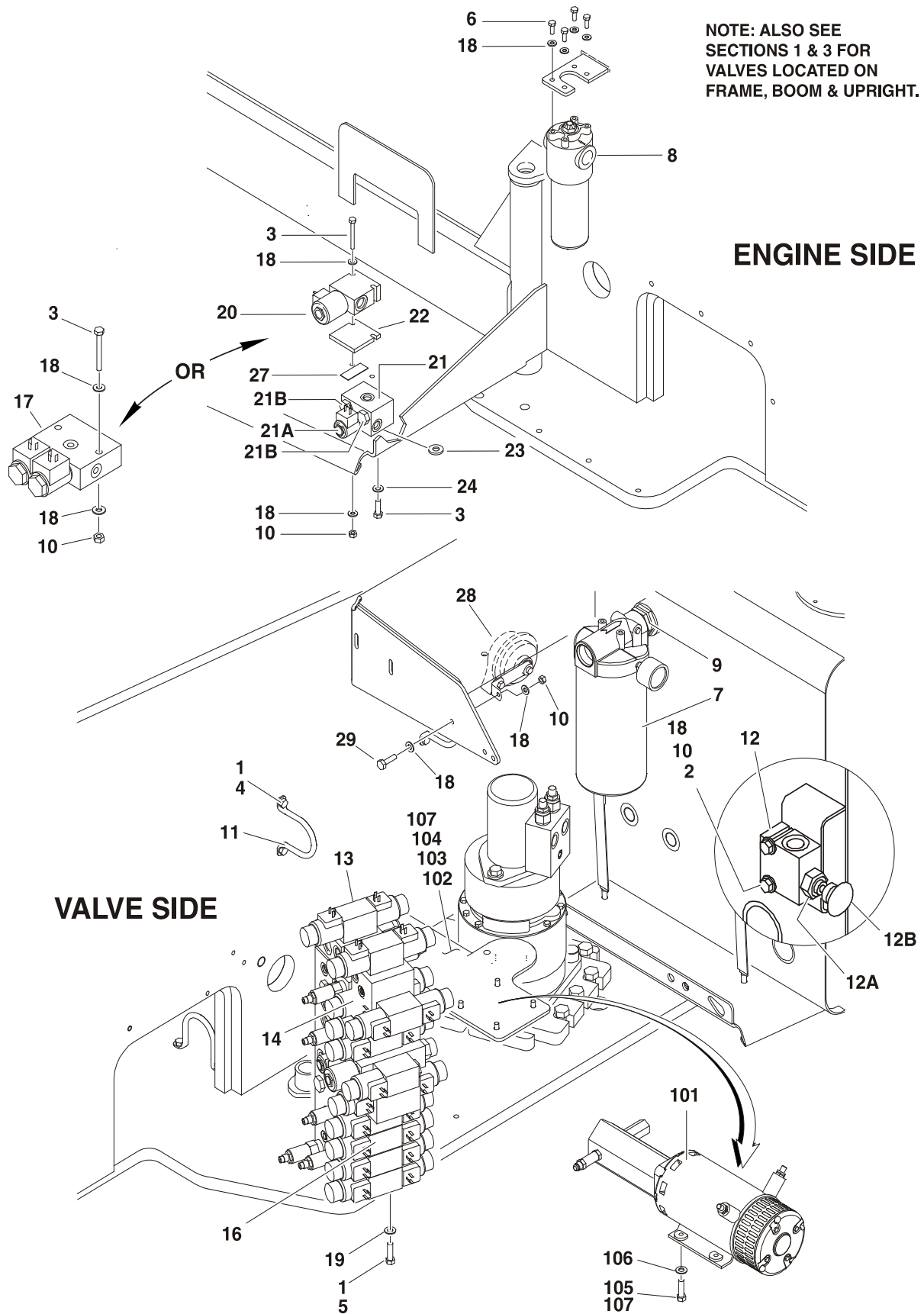
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SECTION 2

TURNTABLE

SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES & HORN INSTALLATIONS



SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES & HORN INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	VALVES INSTALLATIONS	
		Ref	SN 0300069000 to SN 0300083332	
	0258454	Ref	800A (2WS)	C
	0258455	Ref	800A (4WS)	B
	0258456	Ref	800AJ (2WS)	C
	0258457	Ref	800AJ (4WS)	C
		Ref	SN 0300083332 to SN 0300087266	
	0273789	Ref	800A (2WS)	B
	0273790	Ref	800A (4WS)	B
	0273791	Ref	800AJ (2WS)	C
	0273792	Ref	800AJ (4WS)	C
		Ref	SN 0300087266 to SN 0300140000	
	0274640	Ref	800A (2WS)	D
	0274641	Ref	800A (4WS)	E
	0274642	Ref	800AJ (2WS)	E
	0274643	Ref	800AJ (4WS)	E
1	0100011	AR	Compound, Locking	
2		2	Bolt Options:	
	0641414		Bolt 1/4in-20NC x 1-3/4in (SN 0300069000 to SN 0300083332)	
	0641416		Bolt 1/4in-20NC x 2in (SN 0300083332 to SN 0300140000)	
3		AR	Bolt Options:	
	0641508		Bolt 5/16in-18NC x 1in (SN 0300069000 to SN 0300083332)	
	0641418		Bolt 1/4in-20NC x 2-1/4in (SN 0300069000 to SN 0300083332)	
	0641418		Bolt 1/4in-20NC x 2-1/4in (SN 0300083332 to SN 0300140000)	
4	0641606	8	Bolt 3/8in-16NC x 3/4in	
5	0641614	3	Bolt 3/8in-16NC x 1-3/4in	
6	0651406	4	Bolt 1/4in-28NF x 3/4in	
7	2120167	1	Return Filter Assembly	
	2120168	1	Element, Filter	
	7020021	1	Indicator, Clogged	
8		1	Pressure Filter Assembly Options:	
	2120163	1	SN 0300069000 to SN 0300087266	
	2120150	1	Element, Filter	
	7023206	1	O-Ring, Filter Bowl	
	7023207	1	Ring, Filter Bowl Backup	
	7020020	1	Indicator, Clog	
	2120209	1	SN 0300087266 to SN 0300140000	
	2120210	1	Element, Filter	
	70000934	1	O-Ring, Filter Bowl	
	7020020	1	Indicator, Clog	
9	2220893	1	Fitting, Adapter	
10	3311405	AR	Locknut 1/4in-20NC	
11	3841340	4	Loop, Hose	

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FIGURE 2-1. CONTROL VALVES & HORN INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
12	4640866	1	Valve Assembly (Level)	
12A	7017466	1	Cartridge	
	2900708	1	Seal Kit - Cartridge	
12B	7012959	1	Knob	
13		AR	Valve Assembly (Jib Control) Options: (See ACCESSORY VALVE ASSEMBLY for Breakdown)	
	Not Required	0	800A	
	4640921	1	800AJ	
14		AR	Valve Assembly (4WS Control) Options:	
	Not Required	0	2WS	
	4640922	1	4WS (See ACCESSORY VALVE ASSEMBLY for Breakdown)	
15	Not Used			
16		1	Main Control Valve Assembly Options (See MAIN CONTROL VALVE ASSEMBLY for Breakdown):	
	Use 4641453	1	SN 0300069000 to SN 0300092873 (was p/n 4641099)	
	4641453	1	SN 0300092873 to SN 0300140000	
17		1	Combination Valve Assembly (Brake & 2 Speed) Options (SN 0300083332 to SN 0300140000 Only):	
	4640906	1	Valve Assembly Used SN 0300083332 to SN 0300087266	
	4641317	1	Valve Assembly Used SN 0300087266 to SN 0300140000	
	7012944	2	Coil	
	7012941	2	Cartridge without Coil	
	7010543	2	Seal Kit - 7012941 Cartridge (1 Per Cartridge)	
18	4711400	AR	Flatwasher 1/4in Narrow	
19	4711600	AR	Flatwasher 3/8in Narrow	
20	4641061	1	Solenoid Valve Assy (Brake) (SN 0300069000 to SN 0300083332 Only)	
	7012943	1	Coil	
	7017479	1	Cartridge without Coil	
	7012518	1	Seal Kit - 7017479 Cartridge	
21	4640906	1	Solenoid Valve Assy (2 Speed) (SN 0300069000 to SN 0300083332 Only)	
21A	7012944	1	Coil	
	7023981	1	Cartridge without Coil	
	7012905	1	Seal Kit - 7023981 Cartridge	
21B	7017481	2	Cartridge, Check	
	7012972	2	Seal Kit - 7017481 Cartridge	
22	3570979	1	Plate, Spacer (SN69000 to SN83332 Only)	
23	4891500	2	Flatwasher 5/16in Hardened (SN 0300069000 to SN 0300083332 Only)	
24	4711500	2	Flatwasher 5/16in Narrow (SN 0300069000 to SN 0300083332 Only)	
25		AR	Harness Assembly (Jib Control) Options (Not Shown - See Section 7 for Breakdown):	
	Not Required	0	800A	
	4921927	1	800AJ	
26		AR	Harness Assembly (4WS Control) Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
	Not Required	0	2WS	
	4921928	1	4WS	

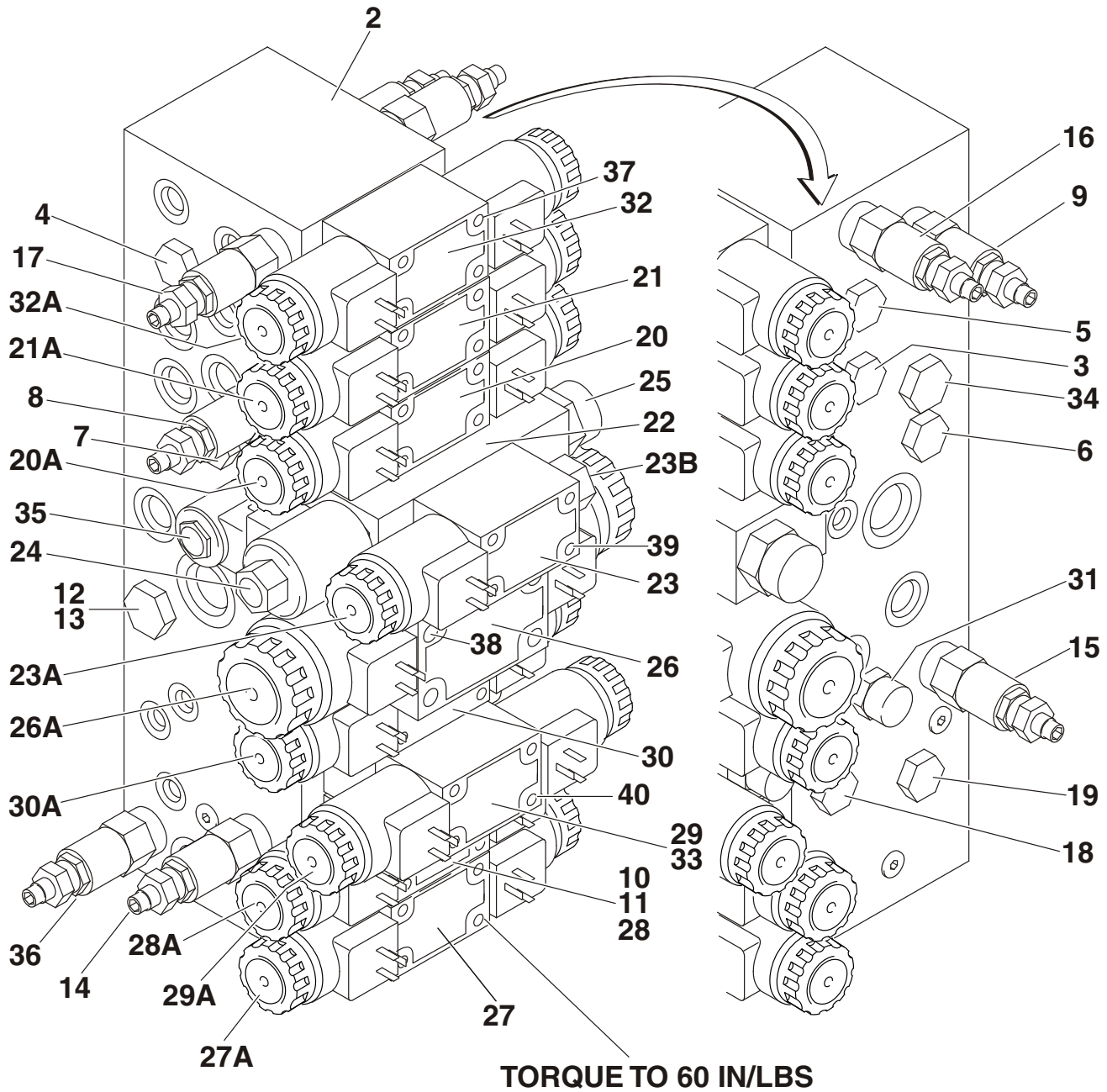
SECTION 2 TURNTABLE

FIGURE 2-1. CONTROL VALVES & HORN INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
27	4420060	2in/5cm	Tape, Double Sided (SN69000 to SN83332 Only)	C
28	0140001	1	Horn (SN 0300103765 to SN 0300140000)	
29	0641408	1	Bolt 1/4in-20NC x 1in (SN 0300103765 to SN 0300140000)	
	0258670	Ref	AUXILIARY PUMP INSTALLATION	
		Ref	Note: Original Equipment pump may have been replaced with Service Replacement pump. Identify component before ordering parts.	
101		1	Auxiliary Pump Assembly Options (See AUXILIARY PUMP ASSEMBLY for Breakdown):	
	Use 1001143191		Fenner Brand (Original Equipment) (SN 0300069000 to SN 0300109067)(was p/n 3600287 & 1001091424)	
	Use 1001137460		Haldex Brand (Service Replacement) (SN 0300109067 to SN 0300140000) (was p/n 3600458)	
	1001137460		Bucher Brand (Service Replacement)	
102	0902415	1	Bracket, Pump Mounting	
103	0641610	3	Bolt 3/8in-16NC x 1-1/4in	
104	4751600	3	Flatwasher 3/8in	
105	0641506	4	Bolt 5/16in-18NC x 3/4in	
106	4711500	4	Flatwasher 5/16in Narrow	
107	0100011	AR	Compound, Locking	
	2901207	1	Band Kit, Auxiliary Power Motor (UL Machines Only)	

SECTION 2 TURNTABLE

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	
	4641099	Ref	Original Equipment	B
	4641453	Ref	Service Replacement	B
		Ref	Note: Original Equipment valve may have been replaced with Service Replacement valve. Visually identify the p/n stamped on valve before ordering parts.	
1	Not Used			
2	See Note	1	Block (Note: Not Available - Purchase Complete Assy.)	
3	7010542	1	Cartridge, Load Sensing (Main Lift)	
	7010543	1	Seal Kit - 7010542 Cartridge	
4	7010542	1	Cartridge, Load Sensing	
	7010543	1	Seal Kit - 7010542 Cartridge	
5	7010542	1	Cartridge, Load Sensing (Swing)	
	7010543	1	Seal Kit - 7010542 Cartridge	
6	7010542	1	Cartridge, Load Sensing	
	7010543	1	Seal Kit - 7010542 Cartridge	
7	7010542	1	Cartridge, Load Sensing (Main)	
	7010543	1	Seal Kit - 7010542 Cartridge	
8	7017420	1	Cartridge, Relief Valve (Main Lift)	
	7012998	1	Seal Kit - 7017420 Cartridge	
9	7017423	1	Cartridge, Relief Valve (Swing)	
	7012998	1	Seal Kit - 7017420 Cartridge	
10	7018941	1	Orifice	
11	7018941	1	Orifice	
12	4641192	1	Cartridge, Check Valve (Tower Lift) (was p/n 7017474)	
	2900708	1	Seal Kit - 4641192 Cartridge	
13	7021602	1	Piston, Pilot	
14	7017428	1	Cartridge, Relief Valve (Platform Level Down)	
	7012998	1	Seal Kit - 7017428 Cartridge	
15	7017427	1	Cartridge, Relief Valve (Platform Level Up)	
	7012998	1	Seal Kit - 7017427 Cartridge	
16	7017428	1	Cartridge, Relief Valve (Front Steer)	
	7012998	1	Seal Kit - 7017428 Cartridge	
17	7017428	1	Cartridge, Relief Valve (Front Steer)	
	7012998	1	Seal Kit - 7017428 Cartridge	
18	7012914	1	Cartridge, Pilot Check (Platform Level)	
	7012918	1	Seal Kit - 7012914 Cartridge	
19	7012914	1	Cartridge, Pilot Check (Platform Level)	
	7012918	1	Seal Kit - 7012914 Cartridge	
20	7018992	1	Control Valve Assembly (Main Lift)	
	7012773	1	Seal Kit - 7018992 Valve	
20A	7018991	2	Coil	
	7018912	2	Nut	
21	7012775	1	Control Valve Assembly (Swing)	
	7012773	1	Seal Kit - 7012775 Valve	
21A	7012772	2	Coil	
	7018912	2	Nut	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
22	70002946	1	Flow Control Manifold Assembly (Main) (Includes Items 24 & 25)	
23	7018994	1	Control Valve Assembly (Main)	
	7012773	1	Seal Kit - 7018994 Valve	
23A	7012772	1	Coil	
	7018912	1	Nut	
23B	7018993	1	Plug	
24	7017475	1	Cartridge without Coil	
	7010545	1	Seal Kit - 7017475 Cartridge	
	7000645	1	Coil	
25	7021601	1	Cartridge, Flow Regulator (Main)	
	7017477	1	Seal Kit - 7021601 Cartridge	
26		1	Control Valve Assembly Options (Main Tele):	
	Use 70000579		Original Equipment (was p/n 7012766)	
	70000579		Service Replacement	
		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	
26A		1	Coil Options:	
	7012772		7012766 Valve (was p/n 7012768)	
	70000582		70000579 Valve	
		1	Nut, Coil Options:	
	7018912		7012766 Valve	
	70000580		70000579 Valve	
27	Use 70001976	1	Control Valve Assembly (Tower Tele) (was p/n 7012770)	
	7012773	1	Seal Kit - 7012770 Valve	
27A	7012772	2	Coil	
	7018912	2	Nut	
28	Use 70001976	1	Control Valve Assembly (Platform Level) (was p/n 7012770)	
	7012773	1	Seal Kit - 7012770 Valve	
28A	7012772	2	Coil	
	7018912	2	Nut	
29	Use 70001976	1	Control Valve Assembly (Platform Rotate) (was p/n 7012770)	
	7012773	1	Seal Kit - 7012770 Valve	
29A	7012772	2	Coil	
	7018912	2	Nut	
30	Use 70001976	1	Control Valve Assembly (Tower Lift)	
	7012773	1	Seal Kit - 7012770 Valve (was p/n 7012770)	
30A	7012772	2	Coil	
	7018912	2	Nut	
31	7012989	1	Cartridge, Flow Regulator (Platform Rotate)	
	7012953	1	Seal Kit - 7012989 Cartridge	
32	7012774	1	Control Valve Assembly (Front Steer)	
	7012773	1	Seal Kit - 7012774 Valve	
32A	7012772	2	Coil	
	7018912	2	Nut	

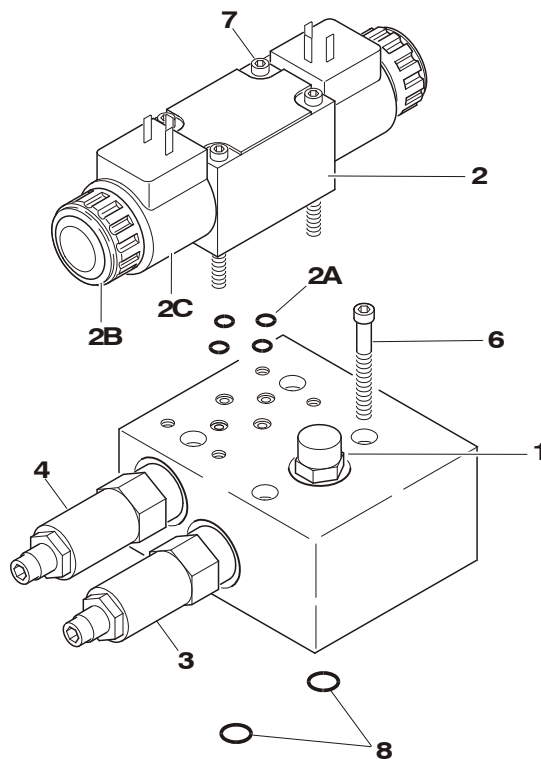
SECTION 2 TURNTABLE

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
33	7021310	AR	Valve, Sandwich (Platform Rotate)	
	7018945	2	O-Rings, Replacement - 7021310 Valve	
34	7017478	1	Cartridge, Check Valve (Main Pressure)	
	7017477	1	Seal Kit - 7017478 Cartridge	
35	7012941	1	Cartridge without Coil (Main Dump)	
	7010543	1	Seal Kit - 7017452 Cartridge	
	7012944	1	Coil	
36	7017428	1	Cartridge, Relief Valve (Tower Tele)	
	7012998	1	Seal Kit - 7017428 Cartridge	
37	7018942	28	Capscrew #10-24NC x 2in	
38	7018951	4	Capscrew 1/4in-20NC x 1-1/2in	
39	7021311	4	Capscrew #10-24NC x 4-1/2in	
40	3931048	4	Capscrew #10-24NC x 3in	

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FIGURE 2-3. ACCESSORY VALVE ASSEMBLY



**NOTE: TORQUE ITEMS 6, 7, 103 & 104
TO 60 IN/LBS.**

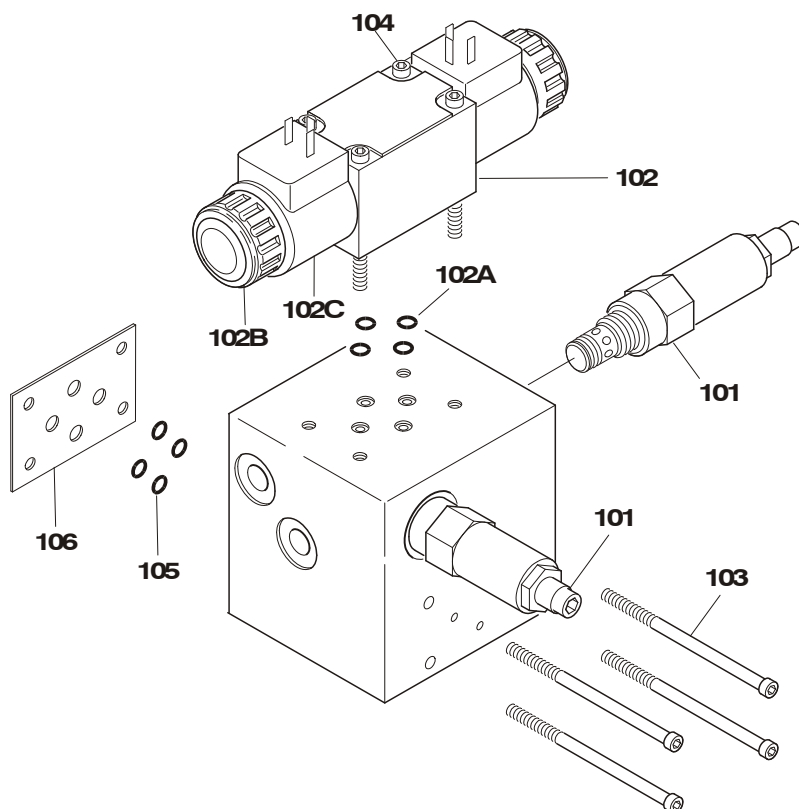
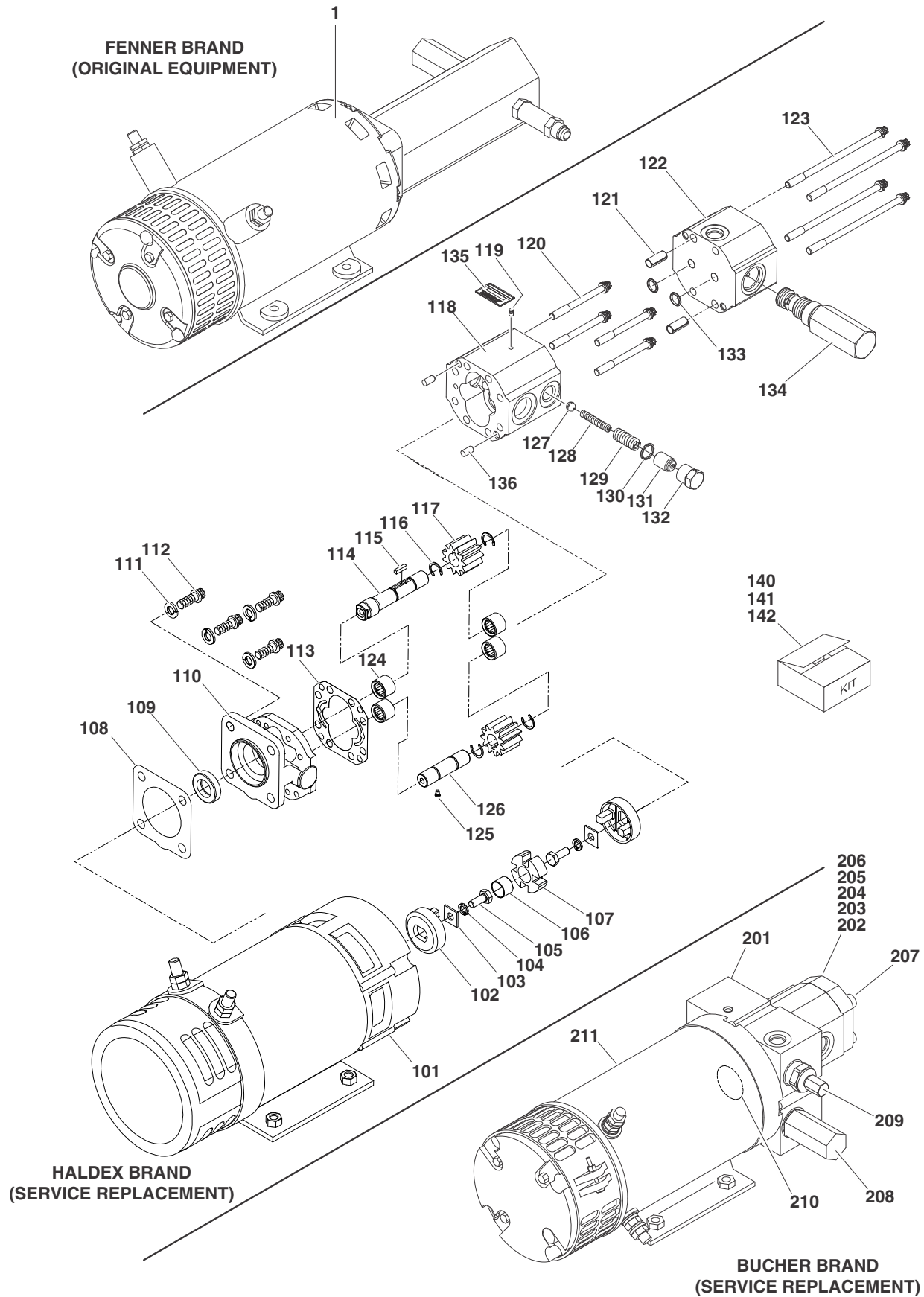


FIGURE 2-3. ACCESSORY VALVE ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ACCESSORY VALVE ASSEMBLIES	
	4640921	Ref	ARTICULATING JIB VALVE ASSEMBLY	D
1	7012965	1	Cartridge, Flow Control	
	7012953	1	Seal Kit - 7012965 Cartridge	
2	Use 70001976	1	Directional Control Valve Assembly (was p/n 7012770)	
	7012773	1	Seal Kit	
2A	7018945	4	O-Ring	
2B	7018912	2	Nut	
2C	7012772	2	Coil	
3	7017421	1	Cartridge, Relief	
	7012998	1	Seal Kit - 7017421 Cartridge	
4	7017422	1	Cartridge, Relief	
	7012998	1	Seal Kit - 7017422 Cartridge	
5	4460499	2	Connector, DIN with Diode (Not Shown - Part of Valve Harness)	
6	7012777	4	Capscrew, Socket Head 5/16in-18NC x 2-1/4in (Used to Mount Valve Assembly)	
7	7018942	4	Capscrew, Socket Head #10-24NC x 2in	
8	7012776	2	O-Ring (Used to Mount Main Valve)	
	4640922	Ref	4WS VALVE ASSEMBLY	B
101	7017420	1	Cartridge, Relief	
	7012998	1	Seal Kit - 7017420 Cartridge	
102	7012774	1	Directional Control Valve Assembly	
	7012773	1	Seal Kit	
102A	7018945	4	R-Ring	
102B	7018912	2	Nut	
102C	7012772	2	Coil	
103	7018946	4	Capscrew, Socket Head #10-24NC x 5in (Used to Mount Main Valve)	
104	7018942	4	Capscrew, Socket Head #10-24NC x 2in	
105	7018948	4	O-Ring (Used to Mount Main Valve)	
106	7018947	1	Plate, O-Ring	

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FIGURE 2-4. AUXILIARY PUMP ASSEMBLY (SN 03000109067 TO SN 0300140000)



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FIGURE 2-4. AUXILIARY PUMP ASSEMBLY (SN 03000109067 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600287	Ref	AUXILIARY PUMP ASSEMBLY (FENNER BRAND) (ORIGINAL EQUIPMENT)	E
1	7016779	1	Motor Assembly	
	7016781	1	Brush Kit - 7016779 Motor	
2	7016780	1	Pump Assembly	
	7016785	1	Seal Kit - 7016780 Pump	
	7016782	1	Coupling, Pump/Motor	
	7016783	1	Pump Mounting Kit	
	7016784	1	Relief Valve Assembly	
	3600458	Ref	AUXILIARY PUMP ASSEMBLY (HALDEX BRAND) (SERVICE REPLACEMENT)	B
101	70001059	1	Motor, DC	
102	See Note	2	Coupling, Half (Note: Use Items 41 & 42.)	
103	See Note	2	Washer (Note: Use Items 41 & 42.)	
104	See Note	2	Lockwasher (Note: Use Items 41 & 42.)	
105	See Note	2	Screw (Note: Use Items 41 & 42.)	
106	See Note	1	Bushing (Note: Use Items 41 & 42.)	
107	See Note	1	Spider (Note: Use Items 41 & 42.)	
108	7011044	1	Gasket, Mounting	
109	7010903	1	Seal, Shaft	
110	See Note	1	Stator (Note: Not Available - Purchase Complete Assy.)	
111	7011048	4	Washer	
112	70001060	4	Screw	
113	70001061	1	Kit Gasket	
114	70001062	1	Shaft, Drive	
115	70001063	1	Key	
116	70000970	4	Ring, Retaining	
117	70001064	2	Gear	
118	See Note	1	Housing, Gear (Note: Not Available - Purchase Complete Assy.)	
119	See Note	1	Plug (Note: Not Available - Purchase Locally.)	
120	See Note	4	Screw (Note: Not Available for Purchase.)	
121	See Note	2	Bushing, Dowel (Note: Not Available for Purchase.)	
122	See Note	1	Block, Valve (Note: Not Available - Purchase Complete Assy.)	
123	7011043	4	Screw	
124	70000976	4	Bearing, Needle	
125	70001065	1	Pin	
126	70001066	1	Shaft, Idler	
127	See Note	1	Ball (Note: Not Available for Purchase.)	
128	See Note	1	Spring (Note: Not Available for Purchase.)	
129	7011008	1	Spring	
130	Use 70001069	1	Gasket	
131	See Note	1	Screw Adjustment (Note: Not Available for Purchase.)	
132	See Note	1	Bolt (Note: Not Available for Purchase.)	
133	7011022	2	O-Ring	
134	70001067	1	Valve, Logic	

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FIGURE 2-4. AUXILIARY PUMP ASSEMBLY (SN 03000109067 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
135	See Note	1	Label (Note: Not Available for Purchase.)	A
136	See Note	2	Pin, Shear (Note: Not Available for Purchase.)	
137 to 139	Not Used			
140	70001069	1	Seal Kit, Pump (Includes Items 8, 9, 30 & 33)	
141	70001068	1	Motor & Coupling Kit, Replacement (Includes Items 1-8, 11 & 12)	
142	7010944	1	Coupling Kit (Includes Items 2-7)	
	1001137460	Ref	AUXILIARY PUMP ASSEMBLY (BUCHER BRAND) (SERVICE REPLACEMENT)	
201	70003983	1	Base Assembly	
	70003993	1	Seal, Shaft	
202	70003984	4	Pin, Dowel	
203	70003985	1	O-Ring	
204	See Note	1	Pump (Note: Not Available for Purchase.)	
205	70003986	1	O-Ring	
206	70003994	1	Cover, Rear	
207	70003988	4	Screw	
208	70003989	1	Valve, Logic	
209	70003990	1	Valve, Relief	
210	70003991	1	Shaft, Intermediate	
211	70003992	1	Motor	

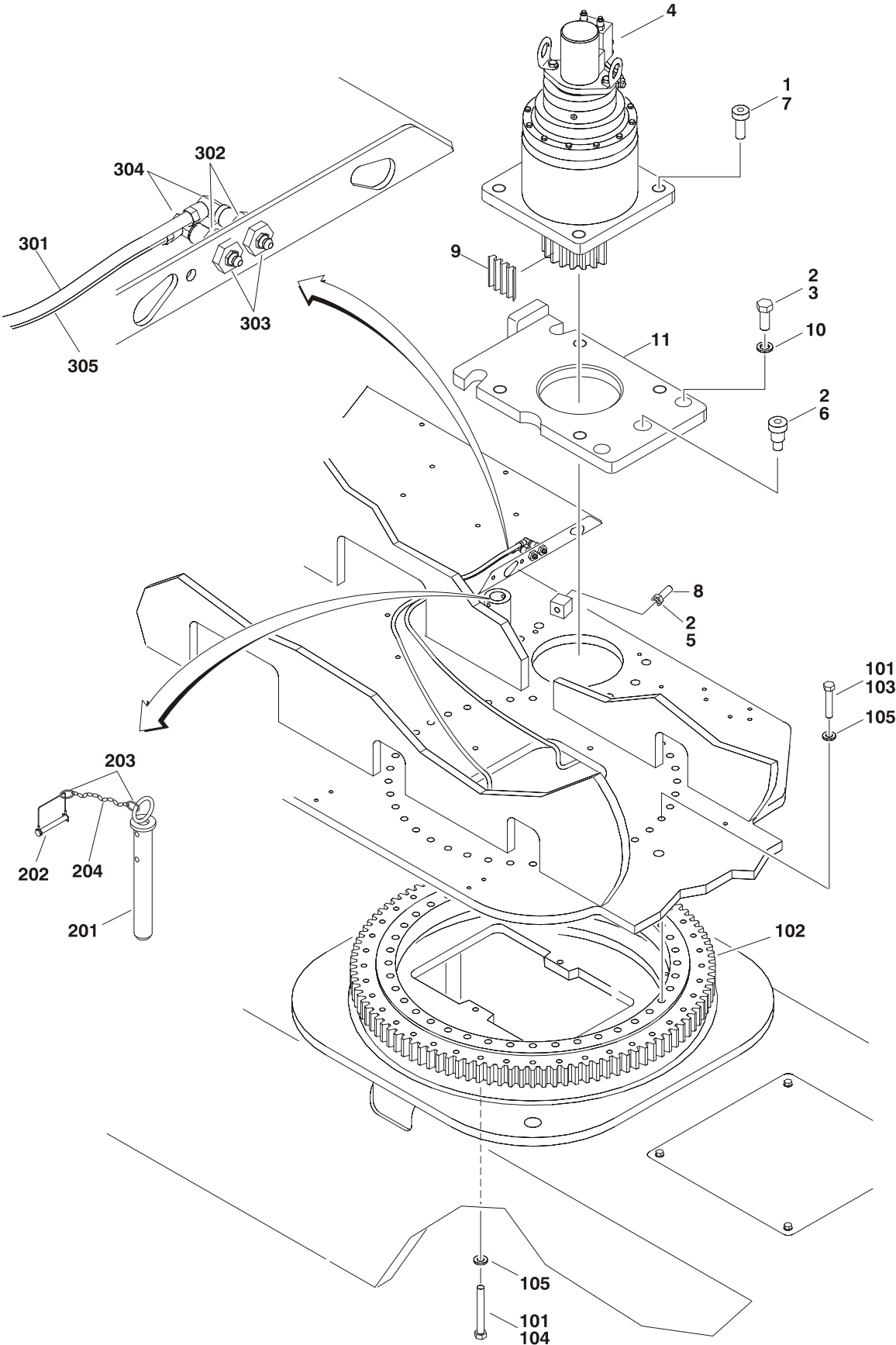
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FIGURE 2-4. AUXILIARY PUMP ASSEMBLY (SN 03000109067 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-5. TURNTABLE BEARING AND SWING DRIVE INSTALLATION



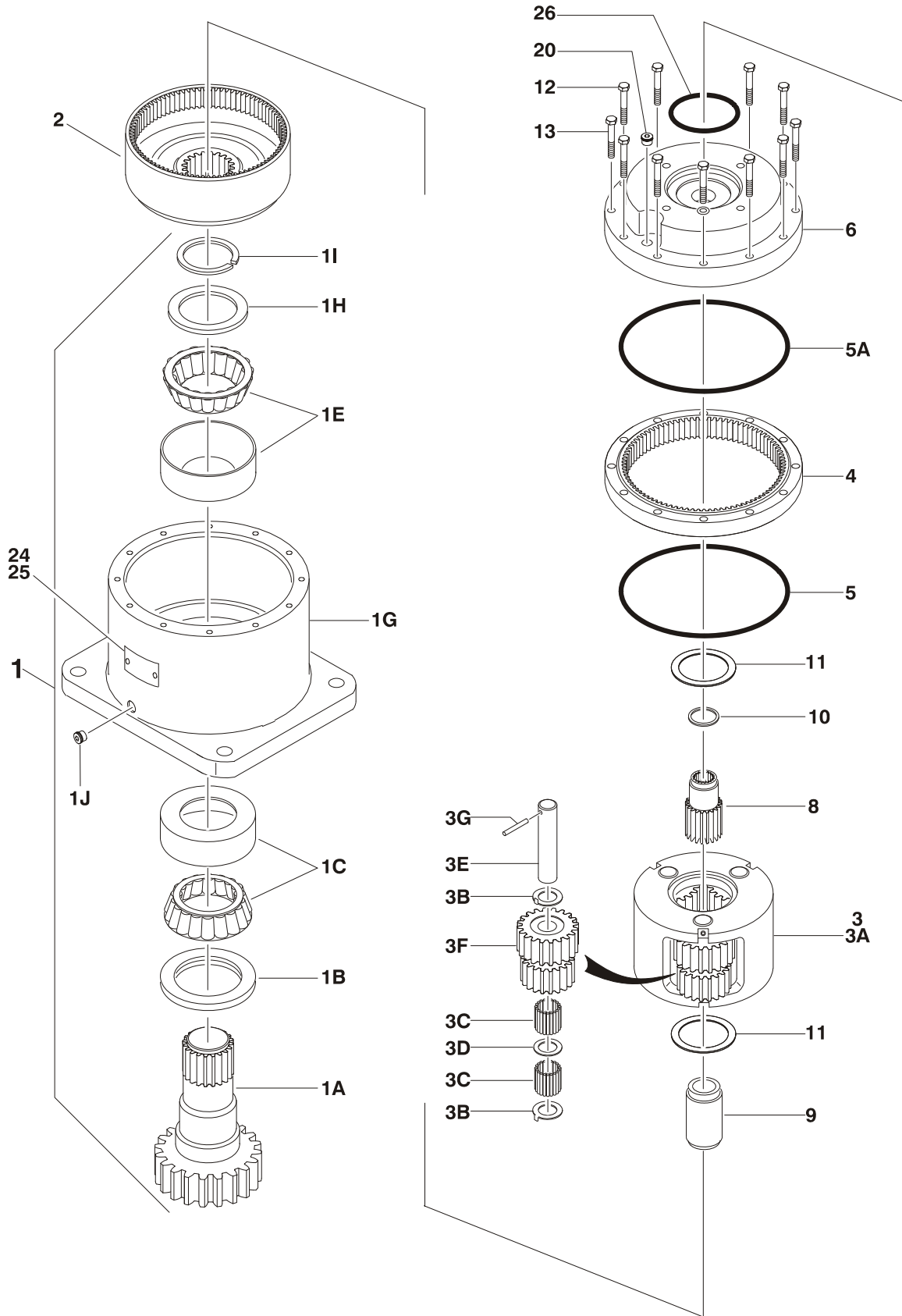
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FIGURE 2-5. TURNTABLE BEARING AND SWING DRIVE INSTALLATION

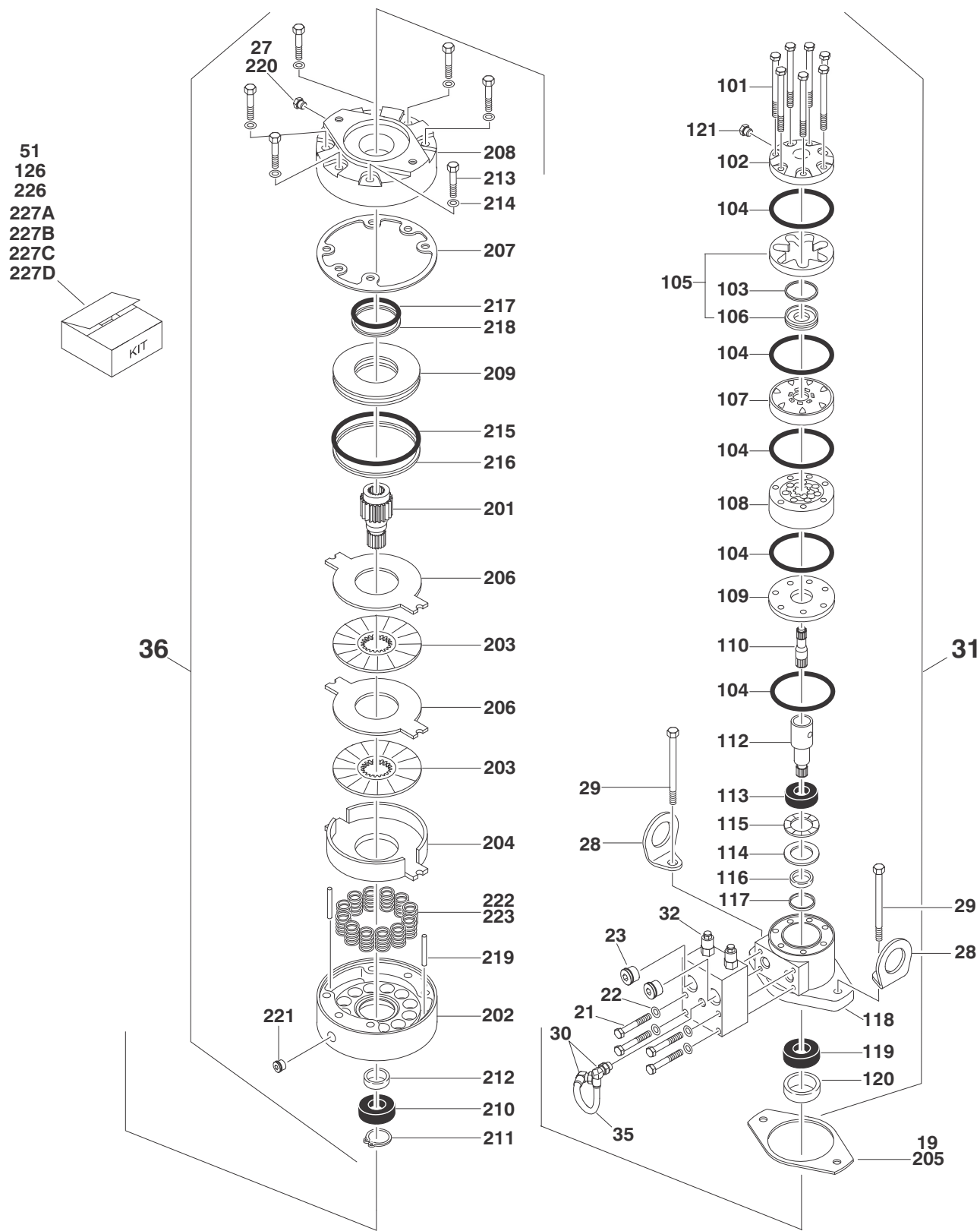
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TURNTABLE WELDMENT	
	4620135	Ref	Standard Machines	
		Ref	SWING DRIVE INSTALLATION	
	0272189	Ref	SN 0300069000 to SN 0300134353	D
	1001094889	Ref	SN 0300134353 to SN 0300140000	B
1	0100011	AR	Compound, Locking (SN 0300069000 to SN 0300074383)	
2	0100019	AR	Compound, Locking	
3	0682216	4	Bolt 3/4in - 10NC x 2in (Grade 8)	
4		1	Motor, Swing Assembly Options:	
	3160286		SN 0300069000 to SN 0300074383 (See SWING MOTOR/HUB ASSEMBLY for Breakdown)	
	Use 1001101060		SN 0300074383 to SN 0300134353 (was p/n 3160294) (See SWING MOTOR/HUB ASSEMBLY for Breakdown)	
	1001101060		SN 0300134353 to SN 0300140000 (See SWING MOTOR/HUB ASSEMBLY for Breakdown)	
5	3312002	1	Nut Jam 5/8in - 11NC	
6	3900293	1	Screw, Shoulder	
7	3932224	4	Screw 3/4in - 10NC x 1-1/2in (SN 0300069000 to SN 0300074383)	
8	3952020	1	Setscrew 5/8in x 2in	
9	4071009	1	Shim	
10	4740057	4	Hardened, Washer	
11	4846430	1	Plate, Swing Drive (SN 0300069000 to SN 0300074383)	
	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, Hardened	
	0259147	Ref	TURNTABLE LOCK INSTALLATION	B
201	4844958	1	Weldment, Pin	
202	3421565	1	Pin, Snap	
203	3760170	2	Ring, Quick Release	
204	1260017	9in/23cm	Chain	
	0255316	Ref	REMOTE BEARING LUBE INSTALLATION	3
301	2751095	1	Hose, Grease (SN 0300069000 to SN 0300070975)	
302	2180344	2	Fitting, Bulkhead	
303	2160003	2	Fitting, Grease Elbow	
304	2220063	2	Fitting, Elbow	
305	2751032	1	Hose, Grease	

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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300069000 TO SN 0300134353)



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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300069000 TO SN 0300134353)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SWING MOTOR/HUB ASSEMBLIES	
	3160286	Ref	SN 0300069000 to SN 0300074383	B
	3160294	Ref	SN 0300074383 to SN 0300134353	C
		Ref	Note: Original Equipment Motor p/n 3600294 may have been replaced with p/n 1001101060 as a Service Replacement. Identify component before ordering parts. If equipped with p/n 1001101060 refer to next illustration.	
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		1	Housing Options:	
	7017089		SN 0300069000 to SN 0300074383	
	7024762		SN 0300074383 to SN 0300134353	
1H	7007633	1	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1J	7001928	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	See Note	1	Carrier Assembly (Note: Not Available - Purchase Individual Components.)	
3A	7001931	1	Carrier	
3B	7001985	6	Washer, Tanged	
3C	7001909	96	Bearing, Needle	
3D	7000263	3	Washer, Thrust	
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	Washer, Thrust	
11	7000253	2	Washer, Thrust	
12	7000217	8	Bolt 5/16in-18NC x 2-1/4in (Grade 8)	
13	7000214	4	Bolt, Shoulder 5/16in-18NC 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.)	

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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300069000 TO SN 0300134353)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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	
31	7024707	1	Motor Assembly (See Items 101-121 for Breakdown)	
32	7024784	1	Valve (No Serviceable Parts)	
33 to 34	Not Used			
35	7024706	1	Tube	
36	7024702	1	Brake Assembly (See Items 201-223 for Breakdown)	
37 to 50	Not Used			
51	7024100	1	Seal Kit - Swing Hub (Includes Items 1B, 1I, 5, 5A & 11)	
	7024707	Ref	MOTOR ASSEMBLY	
101	7024454	6	Bolt	
102	7024459	1	Cover, End	
103	Use 7024396	1	Seal, Commutator	
104	Use 7024396	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	Bushing, Bronze	
114	7004043	1	Washer, Thrust	
115	7004044	1	Bearing, Thrust	
116	Use 7024396	1	Seal, Inner	
117	Use 7024396	1	Washer, Back-up	
118	7024457	1	Housing	
119	7004046	1	Bearing	
120	Use 7024396	1	Seal	
121	7010795	1	Plug, O-Ring	
122 to 125	Not Used			
126	7024396	1	Seal Kit, Motor (Includes Items 103, 104, 116, 117 & 120)	
	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	7000731	1	Gasket	
206	Use 7024193	2	Plate, Outer	
207	See Note	1	Gasket (Note: Use Item 226, 227C or 227D.)	

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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300069000 TO SN 0300134353)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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	
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 7024195	AR	Spring (Natural)	
223	Use 7024196	AR	Spring, (Blue)	
224 to 225	Not Used			
226	7024194	1	Seal Kit, Brake (Includes Items 205, 207 & 215-218)	
227		1	Repair Kit, Brake Options:	
227A	7024195		Spring Kit (Includes 12 Natural Colored Springs - Item 222)	
227B	7024196		Spring Kit (Includes 12 Blue Colored Springs - Item 223)	
227C	7024193		Friction Disc Kit (Includes Items 203, 204, 206 & 207)	
227D	7024197		Bearing Kit (Includes Items 207 & 210-212)	

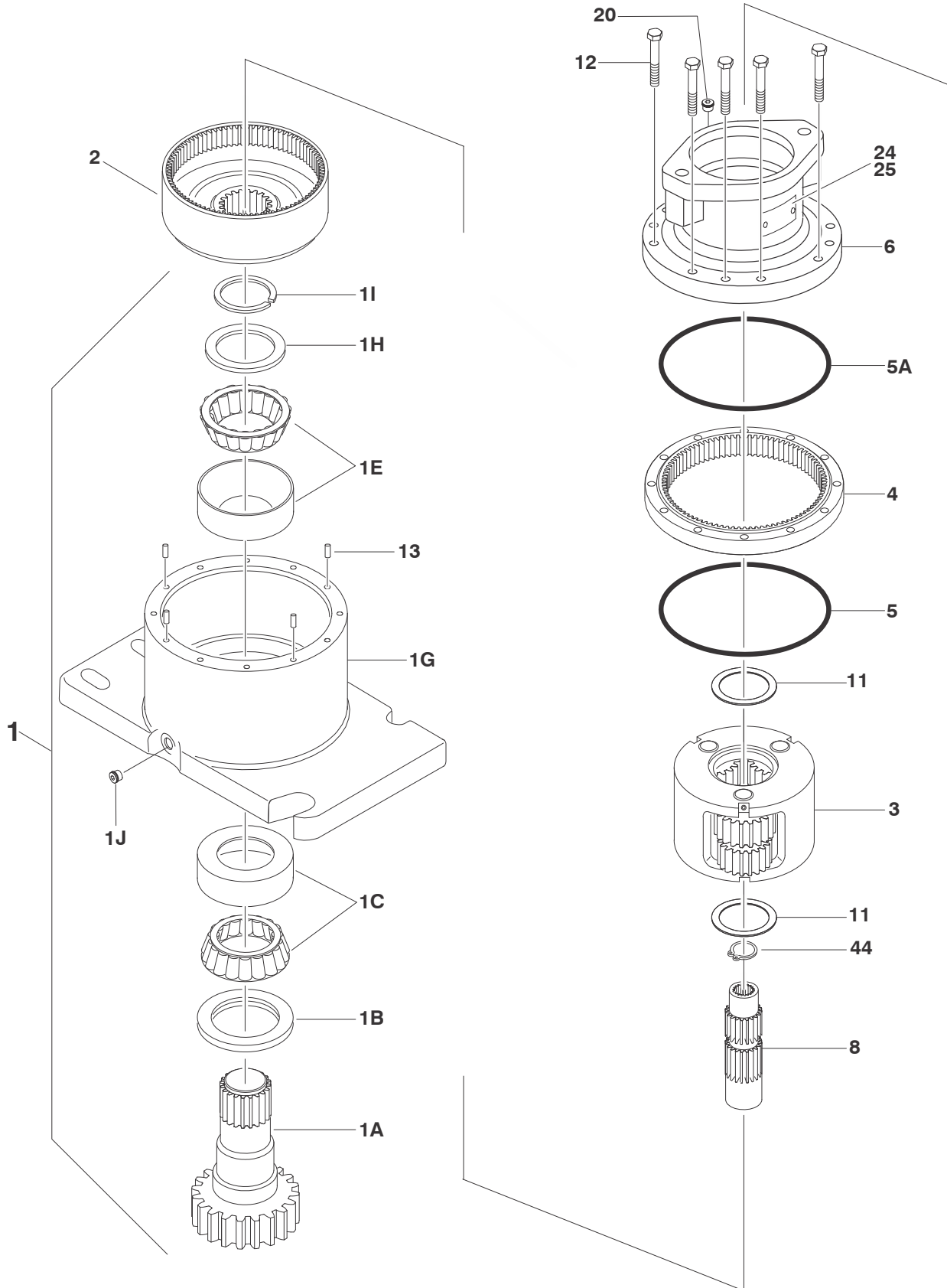
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FIGURE 2-6. SWING MOTOR/HUB ASSEMBLY (SN 0300069000 TO SN 0300134353)

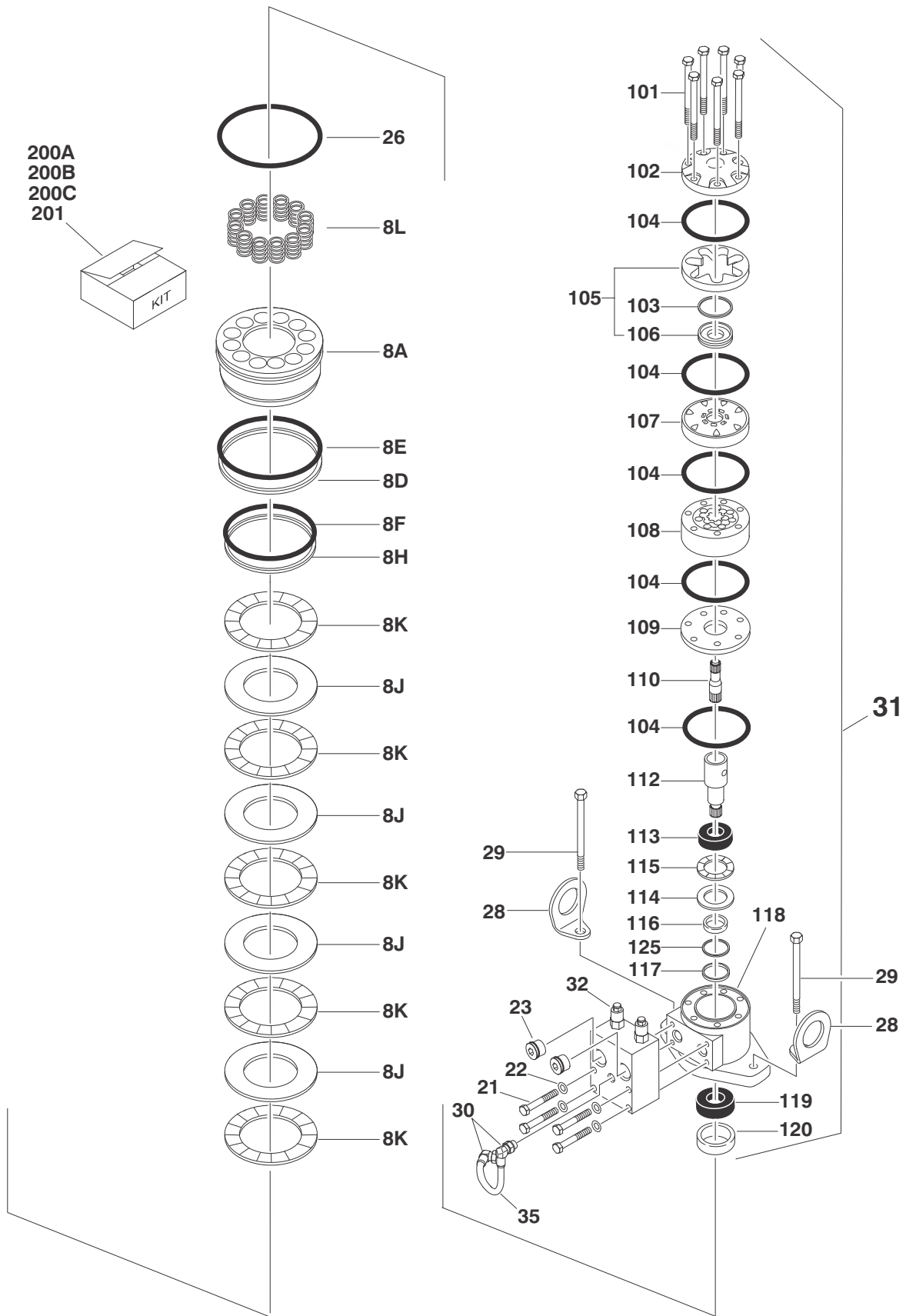
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-7. SWING MOTOR/HUB ASSEMBLY (SN 0300134353 TO SN 0300140000)



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FIGURE 2-7. SWING MOTOR/HUB ASSEMBLY (SN 0300134353 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001101060	Ref	SWING MOTOR/HUB ASSEMBLY (SERVICE REPLACEMENT FOR SWING MOTOR P/N 3160294)	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	Washer, Thrust	
1I	7000229	1	Ring, Retaining	
1J	7017072	1	Plug, Pipe	
2	7000246	1	Gear, Internal	
3	80424002	1	Carrier Assembly	
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	Washer, Thrust	
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.)	
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.)	

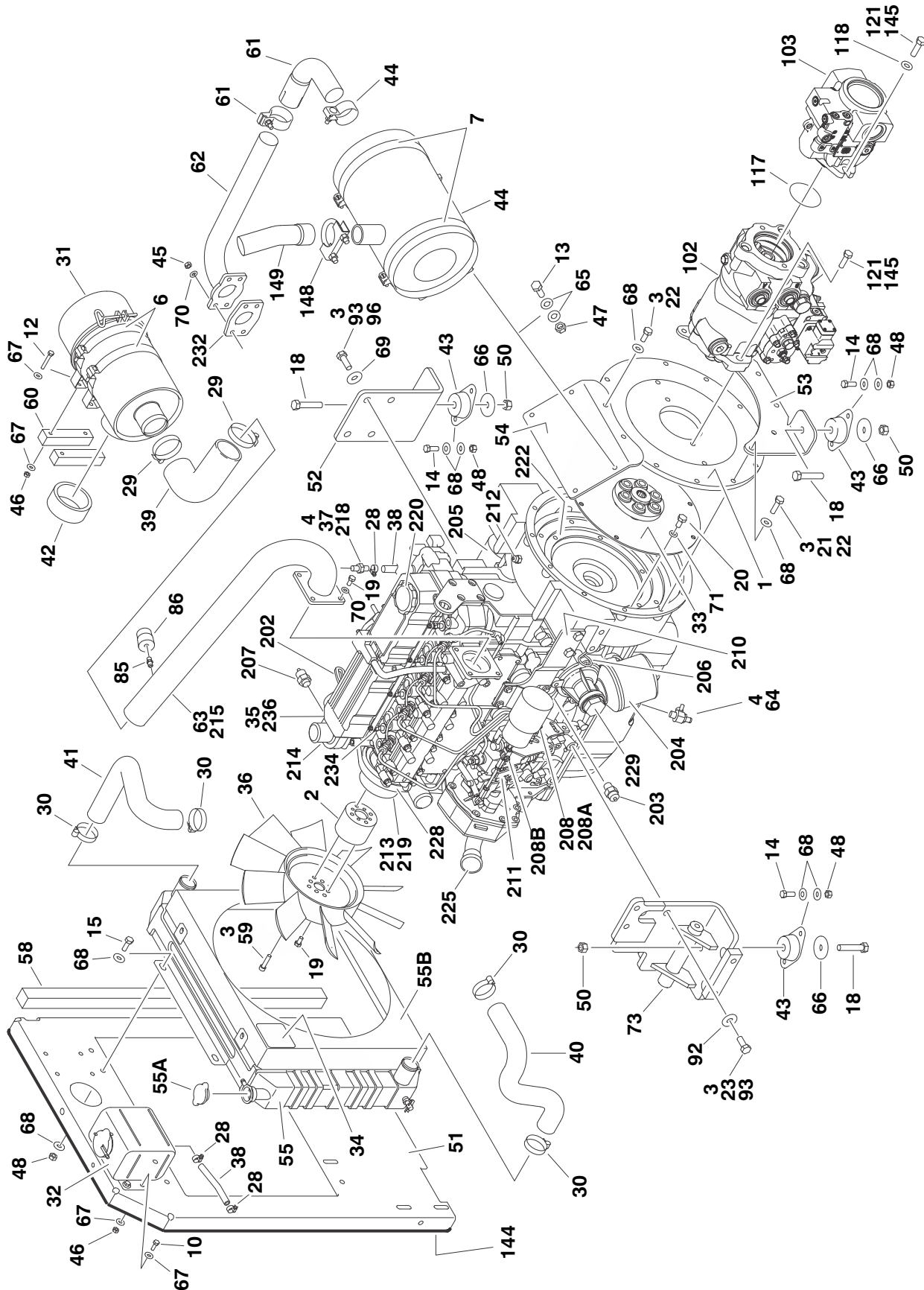
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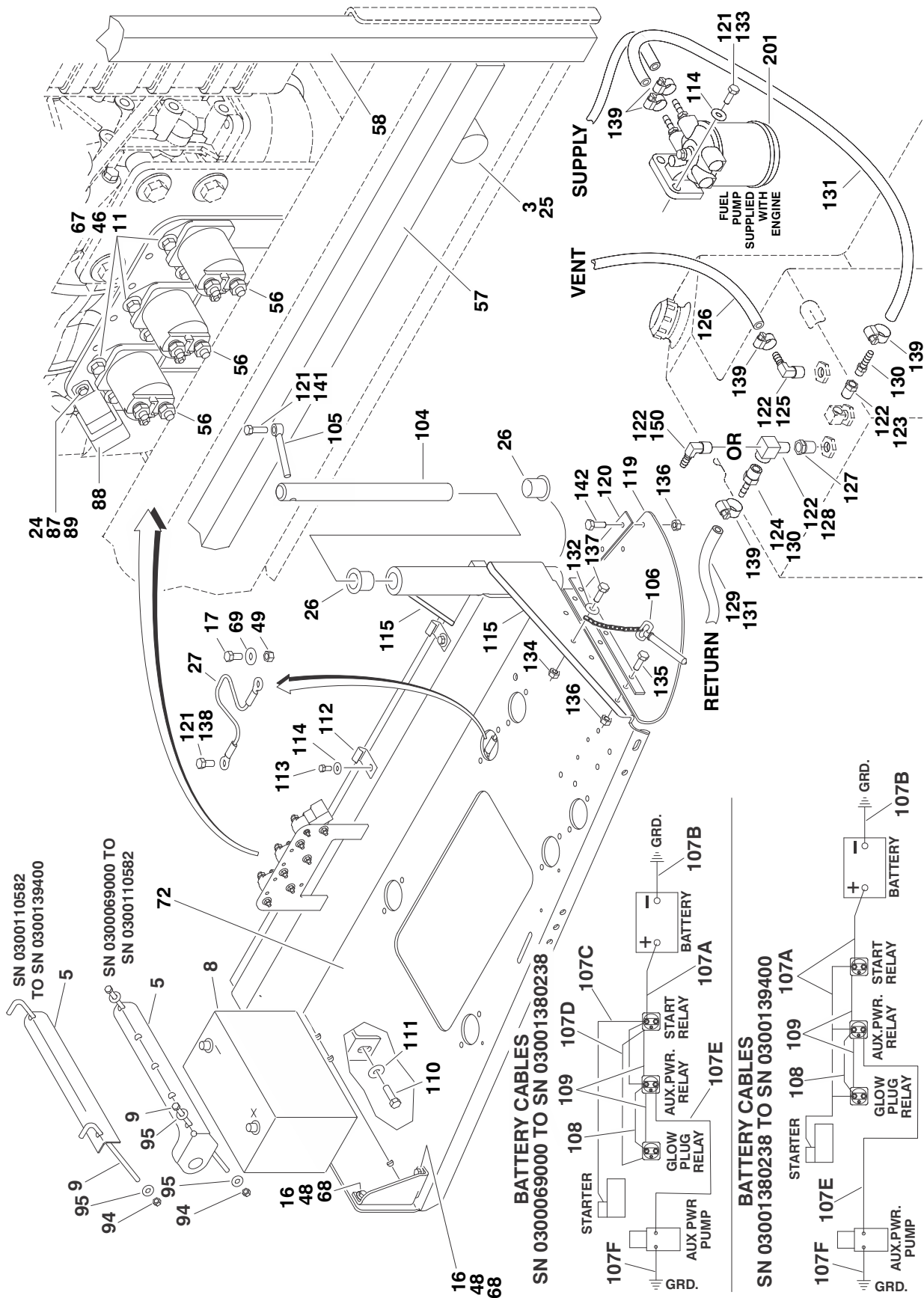
FIGURE 2-7. SWING MOTOR/HUB ASSEMBLY (SN 0300134353 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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	Washer, Thrust	
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 (SN 0300069000 TO SN 0300139400)





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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	CATERPILLAR ENGINE ASSEMBLY	
	0272796	Ref	Without Arctic Package (SN 0300069000 to SN 0300087266)	F
	0274491	Ref	Without Arctic Package (SN 0300087266 to SN 0300134759)	L
	1001105993	Ref	Without Arctic Package (SN 0300134759 to SN 0300139400)	D
	0275256	Ref	With Arctic Package (SN 0300069000 to SN 0300134759)	I
	1001106338	Ref	With Arctic Package (SN 0300134759 to SN 0300139400)	D
1	0080181	1	Adapter, Pump Mounting Plate	
2	0080243	1	Adapter, Fan Spacer	
3	0100011	AR	Compound, Locking	
4	0100020	AR	Sealant, Thread	
5		1	Hold-down, Battery Options:	
	0181727		SN 0300069000 to SN 0300110582	
	91401281		SN 0300110582 to SN 0300139400	
6	0340041	2	Band, Mounting	
7	0340046	2	Band, Muffler	
8	0400075	1	Battery	
9		2	Bolt, Battery Hold-down Options:	
	0630498		SN 0300069000 to SN 0300110582	
	1001093382		SN 0300110582 to SN 0300139400	
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	0641828	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		AR	Bolt M12 x 30mm Options:	
	0701214	8	SN 0300069000 to SN 0300098895	
	0711214	4	SN 0300098895 to SN 0300139400	
24	0721006	AR	Bolt #10-24NC x 3/4in	
25	0940070	1	Bumper, Rubber	
26	0961986	2	Bearing, Flange	
27	1060637	1	Lanyard	
28		AR	Clamp, Hose Options:	
	1320022	3	SN 0300069000 to SN 0300087266	
	8405009	2	SN 0300087266 to SN 0300139400	
29	1320016	2	Clamp, Hose	
30		4	Clamp, Hose Options:	
	1320012		SN 0300069000 to SN 0300087266	
	8405104		SN 0300087266 to SN 0300139400	
31	1340060	1	Air Cleaner Assembly	
	7012664	1	Element, Air Cleaner	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
32	1580011	1	Container, Coolant Overflow	
33	1660239	1	Coupling, Pump	
34	1703162	2	Decal - Fan Blade	
35		1	Caterpillar Engine Assembly Options:	
	Use 1001109762		SN 0300069000 to SN 0300104774 (was p/n 2000194)	
	Use 1001109762		SN 0300104774 to SN 0300134759 (was p/n 2000386)	
	1001100313		SN 0300134759 to SN 0300139400	
36	2060025	1	Fan	
37	2220767	1	Fitting (SN 0300075602 to SN 0300104774)	
38	2720058	4in/10cm	Hose	
39	2720434	1	Elbow, Rubber	
40	2720509	1	Hose, Radiator (Bottom)	
41		1	Hose, Radiator (Top) Options:	
	2720510		SN 0300069000 to SN 0300134759	
	1001107705		SN 0300134759 to SN 0300139400	
42	2720515	1	Seal, Air Cleaner	
43	3200406	4	Mount, Engine	
44		1	Muffler Options:	
	3220113		Spark Arresting Muffler	
	70001017	1	Clamp	
	1001107116		Catalytic Muffler	
	70002705	1	Clamp	
	70002706	1	Plug, Brass	
45	3290801	4	Nut M8 x 1.25	
46	3311405	14	Locknut 1/4in-20NC	
47	3311505	4	Locknut 5/16in-18NC	
48	3311605	AR	Locknut 3/8in-16NC	
49	3311801	1	Nut 1/2in-13NC	
50	3311805	4	Locknut 1/2in-13NC	
51	3539872	1	Plate, Radiator Mounting	
52	3574206	1	Plate, Motor Mount	
53	3574207	1	Plate, Engine Mount (Rear)	
54	3574208	1	Bracket, Muffler	
55	3620047	1	Radiator	
55A	7027412	1	Cap, Radiator	
55B	70004182	1	Shroud, Fan	
56	3740067	3	Relay, Solenoid Assembly	
57	3960468	1	Seal, Foam Gasket	
58	3960469	1	Seal, Foam Gasket	
59	4031911	4	Bolt M8 x 35mm	
60	4220191	2	Block, Spacer	
61	4567073	1	Tube, Exhaust	
	70001017	1	Clamp	
62	4568721	1	Exhaust Tube Weldment	
63		1	Tube, Air Intake Weldment Options:	
	4568788		SN 0300069000 to SN 0300087266	
	4569177		SN 0300087266 to SN 0300104774	
64	Use 4640750	1	Valve, Oil Drain (was p/n 1001105833)	
65	4711500	8	Flatwasher 5/16in (Narrow)	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
66	4740274	4	Washer, Snubbing	
67	4751400	28	Flatwasher 1/4in	
68	4751600	AR	Flatwasher 3/8in	
69	4751800	1	Flatwasher 1/2in	
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 (Not Shown - SN 0300069000 to SN 0300134759 Only)	
75 to 84	Not Used			
85	2180798	1	Fitting (SN 0300069000 to SN 0300087266 Only)	
86	4360392	1	Switch, Restrictor Indicator (SN 0300069000 to SN 0300087266 Only)	
87	3311005	AR	Locknut #10-24NC	
88	3740080	1	Relay (Machines with Generator Option)	
89	4751000	AR	Flatwasher #10	
90		2.50gal.	Oil, Motor Options (Not Shown): Oil, Motor 15W-40 (Without Arctic Package) Oil, Motor 0W-40 (With Arctic Package)	
91		2.63gal.	Fluid, Anti-Freeze Options (Not Shown): Fluid, Anti-Freeze (Without Arctic Package) Fluid 60/40 Arctic Antifreeze (With Arctic Package)	
92		8	Flatwasher Options: Flatwasher 1/2in (SN 0300069000 to SN 0300098895) Flatwasher M12 (SN 0300098895 to SN 0300139400)	
93	0100019	AR	Compound, Locking (Not Shown) (SN 0300098895 to SN 0300111030)	
94		2	Locknut Options: Locknut 3/8in-16NC (SN 0300069000 to SN 0300110582) Locknut 5/16in-18NC (SN 0300110582 to SN 0300121643) Locknut 5/16in-18NC (SN 0300121643 to SN 0300139400)	
95		AR	Flatwasher Options: Flatwasher 3/8in Wide (SN 0300069000 to SN 0300110582) Flatwasher 5/16in Wide (SN 0300110582 to SN 0300139400)	
96		4	Bolt Options: Bolt M12 x 30mm (SN 0300069000 to SN 0300111030) Bolt M12 x 25mm (SN 0300111030 to SN 0300139400)	
		Ref	Note: Arctic Package Items 97 - 101 Not Shown - Used on Arctic Machines Only	
97	1060626	1	Cord, 3-Way Extension (Located on Left Front of Engine)	
98	1320223	2	Clamp	
99	2580024	1	Heater, Battery (Located on Battery)	
100	2580055	1	Heater, Block (Located on Left Side of Engine)	
101	3980007	1	Seat, Battery (Located Under Battery)	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	CATERPILLAR ENGINE INSTALLATION	
	0273526	Ref	Without Arctic Package (SN 0300069000 to SN 0300087266)	5/D
	0274625	Ref	Without Arctic Package (SN 0300087266 to SN 0300121643)	4/D
	1001095508	Ref	Without Arctic Package (SN 0300121643 to SN 0300134759)	2/B
	1001106701	Ref	Without Arctic Package (SN 0300134759 to SN 0300139400)	3/B
	0275425	Ref	With Arctic Package (SN 0300069000 to SN 0300121643)	2/B
	1001095509	Ref	With Arctic Package (SN 0300121643 to SN 0300134759)	2/B
	1001106702	Ref	With Arctic Package (SN 0300134759 to SN 0300139400)	3/B
102		1	Piston Pump Assembly Options (See PISTON PUMP ASSEMBLY for Breakdown):	
	3600295		SN 0300069000 to SN 0300135832	
	3600400		SN 0300135832 to SN 0300139400	
103		AR	Load Sensing Pump Assembly Options:	
	3600278	1	Load Sensing Pump (Rexroth) (SN 0300069000 to SN 0300121643)	C
	7018995	1	Seal Kit - 3600278 Pump	
	7024918	1	Seal, Shaft	
	7024930	1	Valve Assembly Kit - 3600278 Pump	
	1001095354	1	Load Sensing Pump Assembly with Fittings (Sauer Danfoss) (SN 0300121643 to SN 0300139400)	A
	2220415	1	Fitting	
	1001094595	1	Pump, Displacement	
	7023967	1	Seal Kit - 1001094595 Pump	
	7023956	1	Valve Assembly Kit - 1001094595 Pump	
104	3422446	1	Pin, Pivot	
105	3841143	1	Keeper, Pin	
106	3422532	1	Pin, Hitch	
107	2901609	1	Battery Cable Kit Options:	
	2901609	1	Battery Cable Kit (SN 0300069000 to SN 0300078364)	
	2902401	1	Battery Cable Kit (SN 0300078364 to SN 0300138238)	A
			(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.)	
	2902401	1	Battery Cable Kit (SN 0300138238 to SN 0300139400)	B
107A		1	Cable, Battery (Red) Options:	
	7016800		SN 0300069000 to SN 0300078364	
	7016813		SN 0300078364 to SN 0300138238	
	1001116288		Machines SN 0300138238 to SN 0300139400 with 3 Relays on Engine Tray (was p/n 7027027)	
	1001116287		Machines SN 0300138238 to SN 0300139400 with 2 Relays on Engine Tray (was p/n 7027027)	
107B		1	Cable, Battery (Black) Options:	
	7016809		SN 0300069000 to SN 0300078364	
	7027012		SN 0300078364 to SN 0300138238	
	7027004		SN 0300138238 to SN 0300139400	
107C		1	Cable (Red) Options:	
	7016802		SN 0300069000 to SN 0300078364	
	Not Required		SN 0300078364 to SN 0300139400 (Part of Item 107A)	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
107D		1	Cable (Red) Options:	
	7016803	1	SN 0300069000 to SN 0300138238	
	Not Required	1	SN 0300138238 to SN 0300139400	
107E	7016824	1	Cable (Red)	
107F	7016825	1	Cable (Black)	
108	1060904	1	Cable, Battery (Glow Plugs)	
109	4922737	1	Harness, Relay Ground	
110	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
111	4752000	1	Flatwasher 5/8in	
112	1320223	AR	J-Clip 1/2in	
113	0641606	2	Bolt 3/8in-16NC x 3/4in	
114	4711600	4	Flatwasher 3/8in Narrow	
115	4060805	2ft/0.7mm	Flex-Trim 1/4in	
116	Not Used			
117	3790044	1	O-Ring	
118	4891800	2	Washer, Hardened 1/2in	
119	3380429	1	Panel, Rubber	
120	3539957	2	Plate, Support	
121	0100011	AR	Compound, Locking	
122	0100020	AR	Sealant, Thread	
123	2220273	AR	Fitting, Reducer Options:	
		2	Without Arctic Package (SN 0300069000 to SN 0300107595)	
		0	Without Arctic Package (SN 0300107595 to SN 0300139400)	
		2	With Arctic Package	
124	2180536	2	Fitting, Straight (SN 0300069000 to SN 0300075345)	
125	2220313	1	Fitting, Elbow	
126	2750532	6ft./1.8m	Hose 3/8in	
127	2220250	AR	Fitting, Reducer Options:	
			Without Arctic Package	
		1	SN 0300069000 to SN 0300107595	
		0	SN 0300107595 to SN 0300139400	
		1	With Arctic Package	
128	2220459	AR	Fitting, Elbow Options:	
			Without Arctic Package	
		1	SN 0300069000 to SN 03000107595	
		0	SN 0300107595 to SN 0300139400	
		1	With Arctic Package	
129	2720271	15ft./4.6m	Hose 3/16in (SN 0300069000 to SN 0300075345)	
130		AR	Fitting, Barbed Options:	
			Without Arctic Package	
	2220794	2	SN 0300069000 to SN 0300107595	
	2180348	1	SN 0300107595 to SN 0300139400	
	2220794	2	With Arctic Package	
131	2720058	30ft/9.1m	Hose	
132	4751400	AR	Flatwasher 1/4in	
133	0641608	8	Bolt 3/8in-16NC x 1in	
134	3311405	1	Locknut 1/4in-20NC	
135	0641507	AR	Bolt 5/16in-18NC x 1-1/4in	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
136	3311505	AR	Locknut 5/16in-18NC	
137	0641407	1	Bolt 1/4in-20NC x 7/8in	
138	0641808	1	Bolt 1/2in-13NC x 1in	
139	1320022	7	Clamp, Hose	
140	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
141	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
142	0641514	3	Bolt 5/16in-18NC x 1-3/4in	
143	4751500	3	Flatwasher 5/16in (SN 0300069000 to SN 0300075345)	
144	3960389	5ft/1.5m	Seal, Hood	
145	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
146	3841340	3	Loop, Hose (Not Shown - Located Inside Turntable)	
147	0641608	3	Bolt 3/8in-16NC x 1in (SN 0300069000 to SN 0300075345)	
148	1320176	1	Clamp (SN 0300093810 to SN 0300139400)	
149	3460544	1	Pipe, Exhaust (SN 0300093810 to SN 0300139400)	
150	2221176	1	Fitting (Without Arctic Package - SN 0300107595 to SN 0300139400)	
		Ref	Note: Arctic Package Items 151 - 156 Not Shown - Used on Arctic Machines Only	
151	2580050	1	Heater, Hydraulic Tank	
152	1060625	1	Cable, Immersion Heater	
153	1702943	1	Decal - Hydraulic Tank Heater	
154	1702941	1	Decal - Battery Heater	
155	1702942	1	Decal - Engine Block Heater	
156	1702944	1	Decal - Heater Cord	
		Ref	ENGINE COMPONENTS	
	2000194	Ref	SN 0300069000 to SN 0300104774	E
	2000386	Ref	SN 0300104774 to SN 0300134759	A
	1001100313	Ref	SN 0300134759 to SN 0300139400	C
201	7026839	1	Pump, Fuel Supply	
	7026830	1	Filter, Fuel	
	70002833	1	Ring, Retaining	
	70002834	1	Bowl, Water Collection	
	70002835	1	Kit, Seal	
202	7026831	1	Alternator	
203	7026814	1	Relief Valve, Oil Pressure	
	7026815		Gasket, Relief Valve	
	1001097554		Sensor, Oil Pressure (Not Shown)	
	1001097555	1	Fitting, Straight (Caterpillar Engine p/n 2000386) (Not Shown)	
	70004148	1	Fitting, Elbow (Caterpillar Engine p/n 2000386) (Not Shown)	
204	7026811	1	Filter, Oil	
			Note: Machines with SkyPower use Remote Mounted Oil Filter - See SPECIAL OPTIONS SECTION. The same oil filter is used for all applications.	
205	7026833	1	Starter	

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FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
206		1	Dipstick Oil Level Options:	
	7026834		SN 0300087000 to SN 0300105048	
	7026888		SN 0300105048 to SN 0300134759	
	70002844	1	SN 0300134759 to SN 0300139400	
	70002843	1	Seal, Guide Tube (SN 0300134759 to SN 0300139400)	
207	7026840	1	Sensor, Water Temperature	
	7026882	1	Seal, Sensor	
208	1600361	1	Actuator/Linkage Assembly - Throttle	
208A	Use 1600361		Actuator & Electrical Connector Kit (was p/n 7026842	
	7026835	1	Connector, Actuator	
208B	7026843		Linkage Kit	
209	Not Used			
210	Use 7026887	1	Mounting Bracket, Actuator (was p/n 0902910 & 0903220)	
211	70002849	1	Pump, Fuel Supply (SN 0300134759 to SN 0300139400)	
	70002850	1	Solenoid, Fuel Shutoff (SN 0300134759 to SN 0300139400)	
	70002848	1	Gasket, Fuel Pump (Between Flange & Pump)	
212	7026841	1	Speed Sensor Kit	
	7026836	1	Connector, Speed Sensor	
213		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	
	7026824	1	Gasket, Water Pump Cover	
	7026825	1	Gasket, Water Pump	
214	7026822	1	Thermostat	
	7026820	1	Gasket, Thermostat Housing	
	7026821	1	Gasket, Coolant	
	70002765	1	Hose, Bypass	
215		1	Tube, Air Intake Weldment Options:	
	4569177		SN 0300087000 to SN 0300105048	
	4569371		SN 0300105048 to SN 0300139342	
216 to 217	Not Used			
218	2220767	1	Fitting (SN 0300069000 to SN 0300134759)	
	70001051	1	Valve, Shutoff (SN 0300134759 to SN 0300139400)	
219	70001742	1	Pulley, Water Pump	
220	7026800	1	Cap, Filler	
221	7026801	1	Gasket, Valve Cover (Not Shown)	
222	7026802	1	Flywheel Assy (With Ring Gear)	
	7026803	1	Gear, Flywheel	
223	7026804	1	Gasket (Not Shown - Located Between Engine Block & Bell-housing)	
224	7026805	1	Seal, Rear Main (Not Shown - Located on Rear of Engine Block)	
225	7026806	1	Cap, Filler	
	70002845	1	Pump, Oil (SN 0300134759 to SN 0300139400)	
	70002846	1	Seal, Oil Pump (SN 0300134759 to SN 0300139400)	
	70002847	1	Seal, Gear Cover (SN 0300134759 to SN 0300139400)	

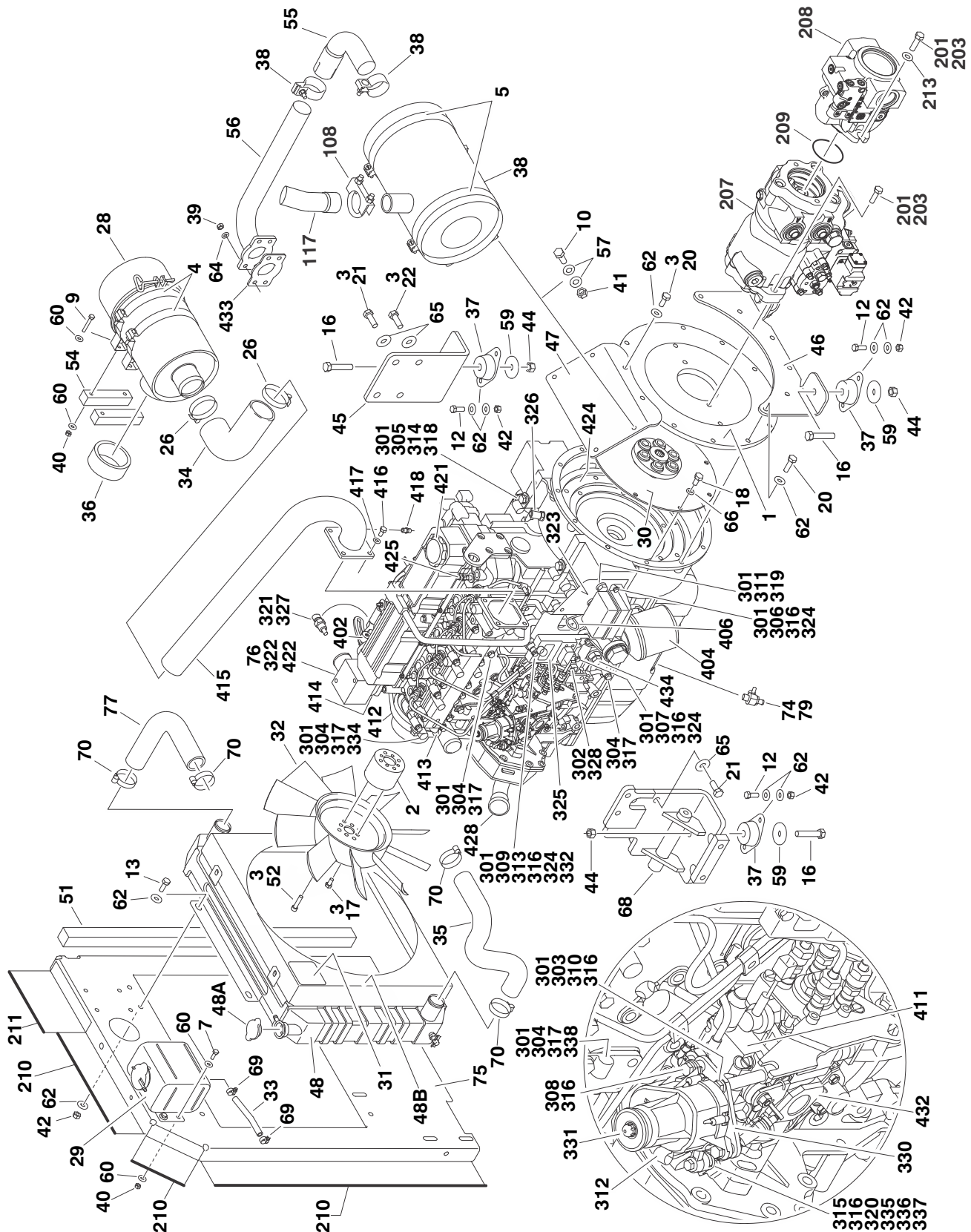
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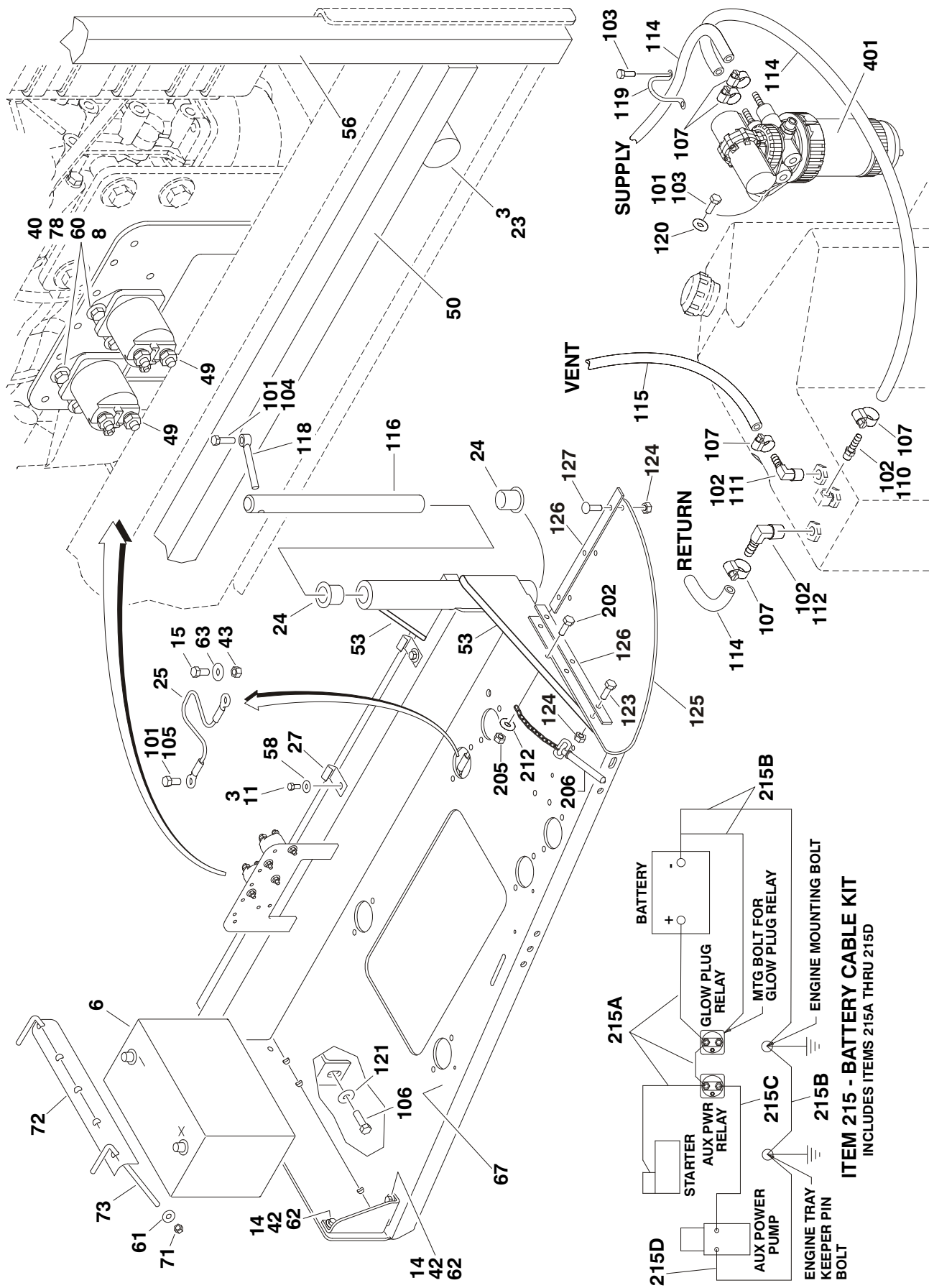
FIGURE 2-8. CATERPILLAR ENGINE INSTALLATION (SN 0300069000 TO SN 0300139400)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
226	7026807	1	Seal, Front Main (Not Shown - Located on Front of Engine Block)	
227	Not Used			
228	7026810	1	Belt	
229	7026813	1	Seal, Oil Filter Head (Between Oil Filter Head & Engine Block)	
	7026812	1	Seal, Oil Filter Head Bolt	
230	7026819	1	Cooler, Oil (Not Shown)	
	7026816	2	O-Ring (Not Shown - Located Between Oil Cooler & Cover)	
	7026817	4	O-Ring (Not Shown - Located Between Oil Cooler & Cover)	
	7026818	1	Gasket (Not Shown - Located Between Oil Cooler Cover & Engine Block)	
231	7026826	1	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
232	7026827	1	Gasket, Exhaust Manifold to Exhaust Pipe	
	70002852	4	Stud, Exhaust (Not Shown)	
233	7026829	1	Gasket, Intake Manifold to Engine Block (Not Shown)	
	7026828	1	Gasket, Intake Manifold to Air Intake Tube	
234	7026832	4	Plug, Glow	
235	2580055	1	Block Heater Kit (Includes Cord & Gasket) (Not Shown) (was p/n 7026845)	
	70002841	1	Cord (Not Shown)	
	7026838	1	Gasket, Block Heater (Not Shown)	
236	7026801	1	Gasket, (Valve Cover) (SN 0300134759 to SN 0300139400)	
	70002761	17	Bolt, (Cylinder Head) (SN 0300134759 to SN 0300139400)	
	70002762	7	Seal, (Valve Stem) (SN 0300134759 to SN 0300139400)	
	7022721	1	Washer, Hard 2.5mm (SN 0300134759 to SN 0300139400)	
	70002479	2	Bolt M10 x 1.5 x 20mm	
	70002764	1	Gasket (Between Lifting Eye & Engine Head)	
	70002766	1	Head, Cylinder (SN 0300104774 to SN 0300134759)	
	70002767	1	Gasket, Head (SN 0300104774 to SN 0300134759)	
237	70002763	4	Gasket, Fuel Line (Not Shown) (SN 0300134759 to SN 0300139400)	
238	7026808	1	Plug, Drain Oil Pan (Not Shown) (SN 0300134759 to SN 0300139400)	
	7026809	1	Gasket, Drain Plug Oil Pan (Not Shown) (SN 0300134759 to SN 0300139400)	
239	70002851		Kit - Gasket (Not Shown) (SN 0300134759 to SN 0300139400)	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139400 TO SN 0300140000)





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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139400 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001109065	Ref	CATERPILLAR TIER IVi ENGINE ASSEMBLY	D
1	0080181	1	Adapter, Pump Mounting Plate	
2	0080243	1	Adapter, 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	Clamp	
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		Muffler, Spark Arresting (Standard)	
	70001017	1	Clamp (Used on p/n 3220113)	
	1001107116		Muffler, Catalytic (Optional)	
	70002705	1	Clamp	
	70002706	1	Plug	
39	3290801	4	Nut M8	
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 0300139400 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
42	3311605	16	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, Radiator	
48B	70004182	1	Shroud, Fan	
49	3740067	2	Relay, Solenoid Assembly	
50	3960468	1	Seal, Foam Gasket	
51	3960469	1	Seal, Foam Gasket	
52	4031911	4	Bolt M8 x 35mm	
53	4060805	2ft/0.7mm	Flex-Trim 1/4in	
54	4220191	2	Block, Spacer	
55	4567073	1	Tube, Exhaust	
56	4568721	1	Exhaust Tube Weldment	
57	4711500	8	Flatwasher 5/16in (Narrow)	
58	4711600	2	Flatwasher 3/8in Narrow	
59	4740274	4	Washer, Snubbing	
60	4751400	24	Flatwasher 1/4in	
61	4751500	2	Flatwasher 5/16in	
62	4751600	44	Flatwasher 3/8in	
63	4751800	1	Flatwasher 1/2in	
64	4811900	4	Flatwasher 8mm	
65	4812100	8	Flatwasher 12mm	
66	4832000	8	Lockwasher 10mm	
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 5/16in-18NC	
72	91401281	1	Hold-Down, Battery	
73	1001093382	2	Rod, Hold-Down	
74	4640750	1	Valve, Oil Drain (was p/n 1001105833)	
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	
79	0100020	AR	Sealant, Thread	
		Ref	CATERPILLAR TIER IVi ENGINE INSTALLATIONS	
	1001110215	Ref	Without Arctic Package	D
	1001110214	Ref	With Arctic Package	C
101	0100011	AR	Compound, Locking	
102	0100020	AR	Sealant, Thread	
103	0641608	8	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 0300139400 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, Saddle	
109	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
110	2180348	1	Fitting	
111	2220313	1	Fitting, Elbow	
112	2221176	1	Fitting	
113		2.6gal.	Fluid, Anti-Freeze Options (Not Shown):	
	2300004		Machines without Arctic Package	
	2300041		Machines with Arctic Package	
114	2720058	30ft/9.1m	Hose	
115	2750532	6ft./1.8m	Hose 3/8in	
116	3422446	1	Pin, Pivot	
117	3460544	1	Pipe, Exhaust	
118	3841143	1	Keeper, Pin	
119	3841340	1	Loop, Hose	
120	4711600	2	Flatwasher 3/8in Narrow	
121	4752000	1	Flatwasher 5/8in	
122	Not Used			
123	0641508	3	Bolt 5/16in-18NC x 1in	
124	3311505	6	Locknut 5/16in-18NC	
125	3380429	1	Panel, Rubber	
126	3539957	2	Plate, Holddown	
127	3900272	3	Screw 5/16in-18NC x 1-3/4in	
128 to 149	Not Used			
		Ref	Note: Arctic Package Items 150 - 153 Not Shown - Used on Arctic Machines Only	
150	1060625	1	Cable, Immersion Heater	
151	1320223	1	J-Clip 1/2in	
152	1702943	1	Decal - Hydraulic Tank Heater (Located on bottom of Hydraulic Oil Tank)	
153	2580050	1	Heater, Hydraulic Tank	
		Ref	CATERPILLAR TIER IVi ENGINE W/PUMPS ASSEMBLIES	
	1001110207	Ref	Without Arctic Package	B
	1001110204	Ref	With Arctic Package	B
201	0100011	AR	Compound, Locking	
202	0641407	1	Bolt 1/4in-20NC x 7/8in	
203	0641812	4	Bolt 1/2in-18NC x 1-3/4in	
204		2.5gal	Oil, Motor Options (Not Shown):	
	3020016		Oil, Motor 15W-40 (Without Arctic Package))	
	3020044		Oil, Motor 0W-40 (With Arctic Package)	
205	3311405	12	Locknut 1/4in-20NC	
206	3422532	1	Pin, Hitch	
207	3600400	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown)	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139400 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
208	1001095354	1	Load Sensing Pump Assembly with Fittings	B
	2220415	1	Fitting	
	1001094595	1	Pump, Displacement Less Fittings	
	7023967	1	Seal Kit - 1001094595 Pump	
	7023956	1	Valve Assembly Kit - 1001094595 Pump	
209	3790044	1	O-Ring	
210	3960548	44in/1.2m	Seal, Hood	
211	3960549	11in/28cm	Seal, Hood	
212	4751400	1	Flatwasher 1/4in	
213	4891600	2	Flatwasher 3/8in Hardened	
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	D
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	
225	3980007	1	Seat, Battery (Located Under Battery)	
226	4751600	2	Flatwasher 3/8in Wide	
	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 6mm	
317	4811900	5	Flatwasher 8mm	
318	4812000	2	Flatwasher 10mm	

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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139400 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
319	4812100	2	Flatwasher 12mm	B
320	4811600	1	Flatwasher 5mm	
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	
328	1001112070	1	Switch, Oil Pressure	
329	1001112071	1	Harness, Engine (Not Shown - See ELECTRICAL SECTION 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	7026839	1	Pump, Fuel Supply	
	7026830	1	Filter, Fuel	
	70002833	1	Ring, Retaining	
	70002834	1	Bowl, Water Collection	
	70002835	1	Kit, Seal	
402	7026831	1	Alternator	
403	Not Used			
404	7026811	1	Filter, Oil	
	7026812	1	Seal, Oil Filter Head Bolt	
	7026813	1	Seal, Oil Filter Head (Between Oil Filter Head & Engine Block)	
405	7026833	1	Starter (Not Shown - Located on other side of engine)	
406	70002844	1	Dipstick Oil Level	
	70002843	1	Seal, Guide Tube	
407 to 410	Not Used			
411	See Note	1	Pump, Fuel Supply (Note: Not Available for Purchase.)	
412	7026810	1	Belt	
413	70001120	1	Pump, Water	
	70001742	1	Pulley, Water Pump	
414	7026822	1	Thermostat	
	7026820	1	Gasket, Thermostat Housing (Between Housing & Head)	
	7026821	1	Gasket, Coolant (Between Housing & Cover)	
	70002765	1	Hose, Bypass	
415	4569371	1	Tube, Air Intake Weldment	
416	See Note	4	Bolt M8 x 16mm (Note: Not Available for Purchase.)	
417	See Note	4	Flatwasher M8 (Note: Not Available for Purchase.)	

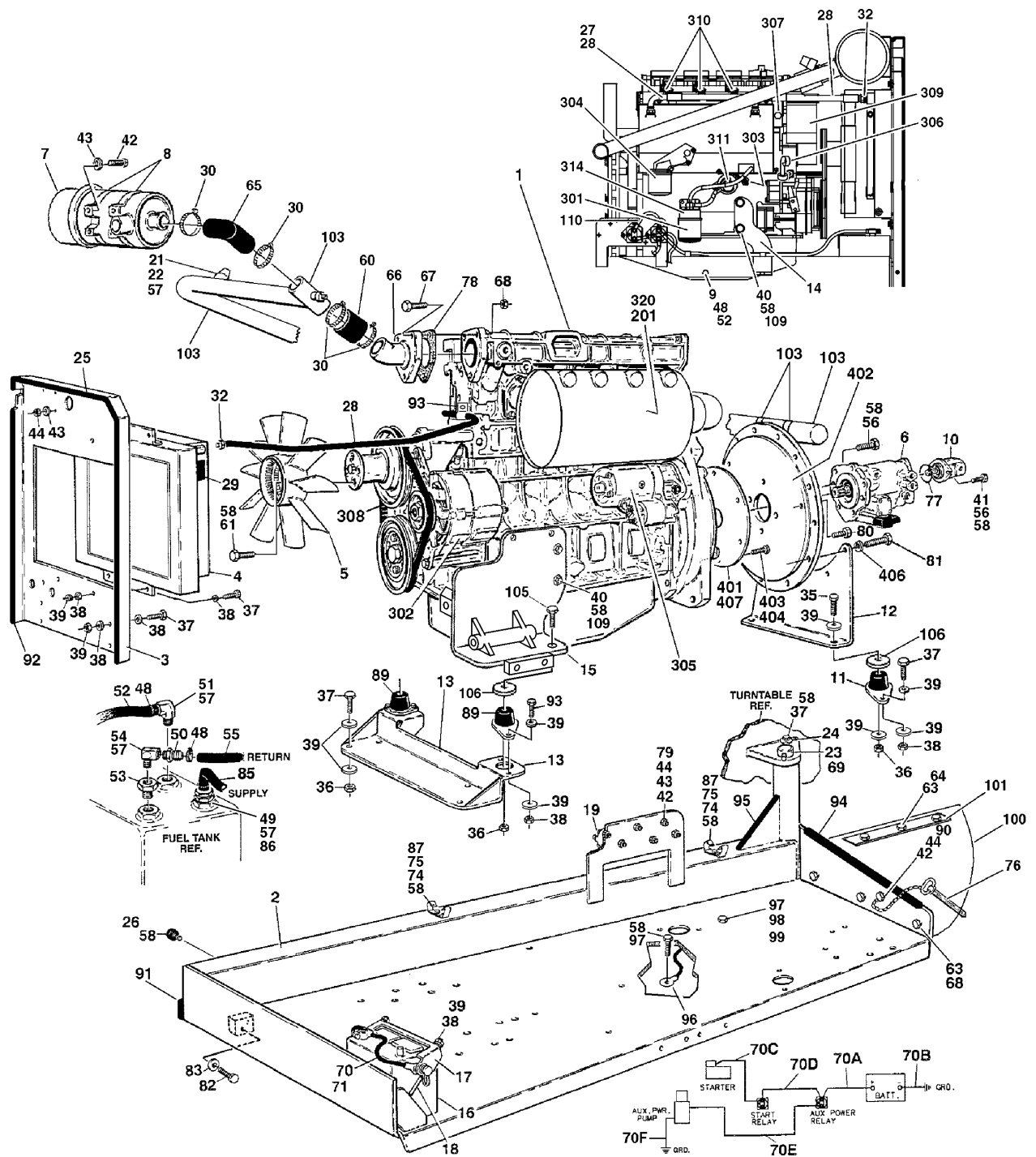
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FIGURE 2-9. CATERPILLAR ENGINE INSTALLATION (SN 0300139400 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
418	70001051	1	Valve, Shutoff	
419	7026826	1	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
	70002852	4	Stud, Exhaust (Not Shown)	
420	7026819	1	Cooler, Oil (Not Shown)	
	7026816	2	O-Ring (Not Shown - Located Between Oil Cooler & Cover)	
	7026817	4	O-Ring (Not Shown - Located Between Oil Cooler & Cover)	
	7026818	1	Gasket (Not Shown - Located Between Oil Cooler Cover & Engine Block)	
421	7026800	1	Cap, (Oil Filler)	
422	7026801	1	Gasket, (Valve Cover)	
	70002761	17	Bolt, (Cylinder Head)	
	70002762	7	Seal, (Valve Stem)	
	7022721	1	Washer, Hard 2.5mm	
	70002479	1	Bolt M10 x 1.5 x 20mm	
	70002764	1	Gasket (Between Lifting Eye & Engine Head)	
423	7026829	1	Gasket, Intake Manifold to Engine Block (Not Shown)	
	7026828	1	Gasket, Intake Manifold to Air Intake Tube	
424	7026802	1	Flywheel Assy (With Ring Gear)	
	7026803	1	Gear, Flywheel	
425	7026832	4	Plug, Glow	
426	7026804	1	Gasket (Not Shown - Located Between Engine Block & Bellhousing)	
427	7026805	1	Seal, Rear Main (Not Shown - Located on Rear of Engine Block)	
428	7026806	1	Cap, Filler	
	70002847	1	Seal, Gear Cover	
	70002845	1	Pump, Oil	
	70002846	1	Seal, Oil Pump	
429	7026807	1	Seal, Front Main (Not Shown - Located on Front of Engine Block)	
430	70002763	4	Gasket, Fuel Line (Not Shown)	
431	7026808	1	Plug, Drain Oil Pan (Not Shown)	
	7026809	1	Gasket, Drain Plug Oil Pan (Not Shown)	
432	70002849	1	Pump, Fuel Supply	
	70002850	1	Solenoid, Fuel Shutoff	
	70002848	1	Gasket, Fuel Pump (Between Flange & Pump)	
433	7026827	1	Gasket, Exhaust Manifold to Exhaust Pipe	
434	7026814	1	Relief Valve, Oil Pressure	
	7026815		Gasket, Relief Valve	
435	70002851		Kit - Gasket (Not Shown)	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (SN 0300069000 TO SN 0300077500)



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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (SN 0300069000 TO SN 0300077500)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0271371	Ref	DEUTZ ENGINE INSTALLATION	9/F
1	2000189	1	Engine - Deutz F4M1011F Diesel	
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	
7A	7012664	1	Element, Air Cleaner (Not Shown)	
8	0340041	2	Band, Mounting	
9	4640751	1	Valve, Oil Drain	
10	3600278	1	Piston Pump Assembly	
	7018995	1	Seal Kit - 3600278 Pump	
	7024918	1	Seal, Shaft	
	7024930	1	Valve Assembly - 3600278 Motor	
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	4846566	1	Support, Engine - Left	
16	0400075	1	Battery	
17	0181727	1	Hold-Down, Battery	
18	0630498	2	Rod, Hold-Down	
19	3740067	2	Relay	
20	Not Used			
21	4360392	1	Switch, Restrictor Indicator	
22	2180798	1	Fitting	
23	3422446	1	Pin, Pivot	
24	3841143	1	Keeper, Pin	
25	3960389	5ft/1.5m	Seal	
26	0940070	1	Bumper, Rubber	
27	3841340	AR	Loop, Hose	
28	2720398	2	Hose, Oil Cooler	
29	1703162	2	Nameplate - Fan Caution	
30	1320016	4	Clamp, Hose	
31	Not Used			
32	2220451	2	Fitting, Straight	
33 to 34	Not Used			
35	0641818	AR	Bolt 1/2in-13NC x 2-1/4in	
36	3311805	4	Locknut 1/2in-13NC	
37	0641610	AR	Bolt 3/8in-16NC x 1-1/4in	
38	3311605	22	Locknut 3/8in-16NC x 1-1/4in	
39	4751600	44	Flatwasher 3/8in	
40	0701414	6	Bolt 1/4in-20NC x 3/4in	
41	4891800	2	Washer, Hardened 1/2in	
42	0641407	AR	Bolt 1/4in-20NC x 7/8in	
43	4751400	AR	Flatwasher 1/4in	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (SN 0300069000 TO SN 0300077500)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
44	3311405	AR	Locknut 1/4in-20NC	
45 to 47	Not Used			
48	1320022	6	Clamp, Hose	
49	2220273	2	Fitting, Reducer	
50	2180536	1	Fitting, Straight	
51	2220313	1	Fitting, Elbow	
52	2750532	6ft./1.83m	Hose 3/8in	
53	2220250	1	Fitting, Reducer	
54	2220459	1	Fitting, Elbow	
55	2720271	15ft./4.6m	Hose 3/16in	
56	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
57	0100020	AR	Sealant, Thread	
58	0100011	AR	Compound, Locking	
59	Not Used			
60	2720449	1	Coupling, Rubber Intake	
61	0700808	4	Bolt, Metric M8 x 16mm	
62	Not Used			
63	0641508	3	Bolt 5/16in-18NC x 1-1/4in	
64	3900272	3	Capscrew, Button Head 5/16in-18NC x 1-3/4in	
65	2720434	1	Elbow, Rubber	
66	4845395	1	Air Intake Adapter Weldment	
67	0641510	3	Bolt 5/16in-18NC x 1-1/4in	
68	3311505	AR	Locknut 5/16in-18NC	
69	0961986	2	Bushing, Flanged	
70	2901609	1	Battery Cable Kit	
70A	7016800	1	Cable, Battery (Red)	
70B	7016809	1	Cable, Battery (Black)	
70C	7016802	1	Cable (Red)	
70D	7016803	1	Cable (Red)	
70E	7016824	1	Cable (Red)	
70F	7016825	1	Cable (Black)	
71	4460611	1	Terminal, Battery Jumper Post	
72	Not Used			
73	1320222	1	J-Clip 3/8in (Not Shown)	
74	1320223	3	J-Clip 1/2in	
75	0641606	3	Bolt 3/8in-16NC x 3/4in	
76	3422532	1	Pin, Hitch	
77	3790044	1	O-Ring	
78	3960407	1	Gasket	
79	4791400	4	Starwasher 1/4in	
80	0701012	4	Bolt, Metric M10 x 25mm	
81	0701015	4	Bolt, Metric M10 x 35mm	
82	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
83	4752000	1	Flatwasher 5/8in	
84	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
85	2720058	16ft/4.9m	Hose	
86	2220794	1	Fitting, Barbed	
87	4711600	3	Flatwasher 3/8in Narrow	
88	Not Used			

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (SN 0300069000 TO SN 0300077500)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
89	3200362	2	Mount, Rubber Engine (Front)	
90	4711400	1	Flatwasher 1/4in Narrow	
91	3960468	1	Seal, Foam Gasket	
92	3960469	1	Seal, Foam Gasket	
93	0641608	14	Bolt 3/8in-16NC x 1in	
94	4060805	7in/18cm	Flex-Trim 1/4in	
95	4060804	16in/40cm	Flex-Trim 3/16in	
96	1060637	1	Lanyard	
97	0641808	2	Bolt 1/2in-13NC x 1in	
98	3311801	1	Nut 1/2in-13NC	
99	4751800	1	Flatwasher 1/2in	
100	3380429	1	Panel, Rubber	
101	3539957	2	Plate, Hold Down	
102	Not Used			
103	4567815	1	Tuning Tube Weldment	
104	Not Used			
105	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
106	4740274	4	Washer, Snubbing	
107 to 108	Not Used			
109	4711900	6	Flatwasher 9/16in	
110	4922737	1	Harness, Engine Grounding	
		Ref	MUFFLER INSTALLATIONS	
	0256689	Ref	Standard Equipment (Spark Arresting)	—
	0256690	Ref	Optional Equipment (Catalytic)	—
201		1	Muffler Options:	
	3220103		Spark Arresting	
	3220104		Catalytic	
			Muffler Components:	
		1	Clamp Options:	
	1320176		Saddle Clamp Used on Spark Arresting	
	70001017		Band Clamp Used on Catalytic	
	7024398	1	Tube, Exhaust	
	7024560	1	Plug, Brass	
	70003476	8	Nut, Muffler Attaching	
	2000189	Ref	ENGINE COMPONENTS	B
301	7016328	1	Filter, Fuel	
302	7000663	1	Alternator (was p/n 7020410)	
	7020464	1	Regulator	
	70002234	1	Bracket, Adjustable	
	70003556	1	Pulley	
303	7020461	1	Switch, Oil Pressure (Not Shown)	
304	7016331	1	Filter, Oil	

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FIGURE 2-10. DEUTZ ENGINE INSTALLATION (SN 0300069000 TO SN 0300077500)

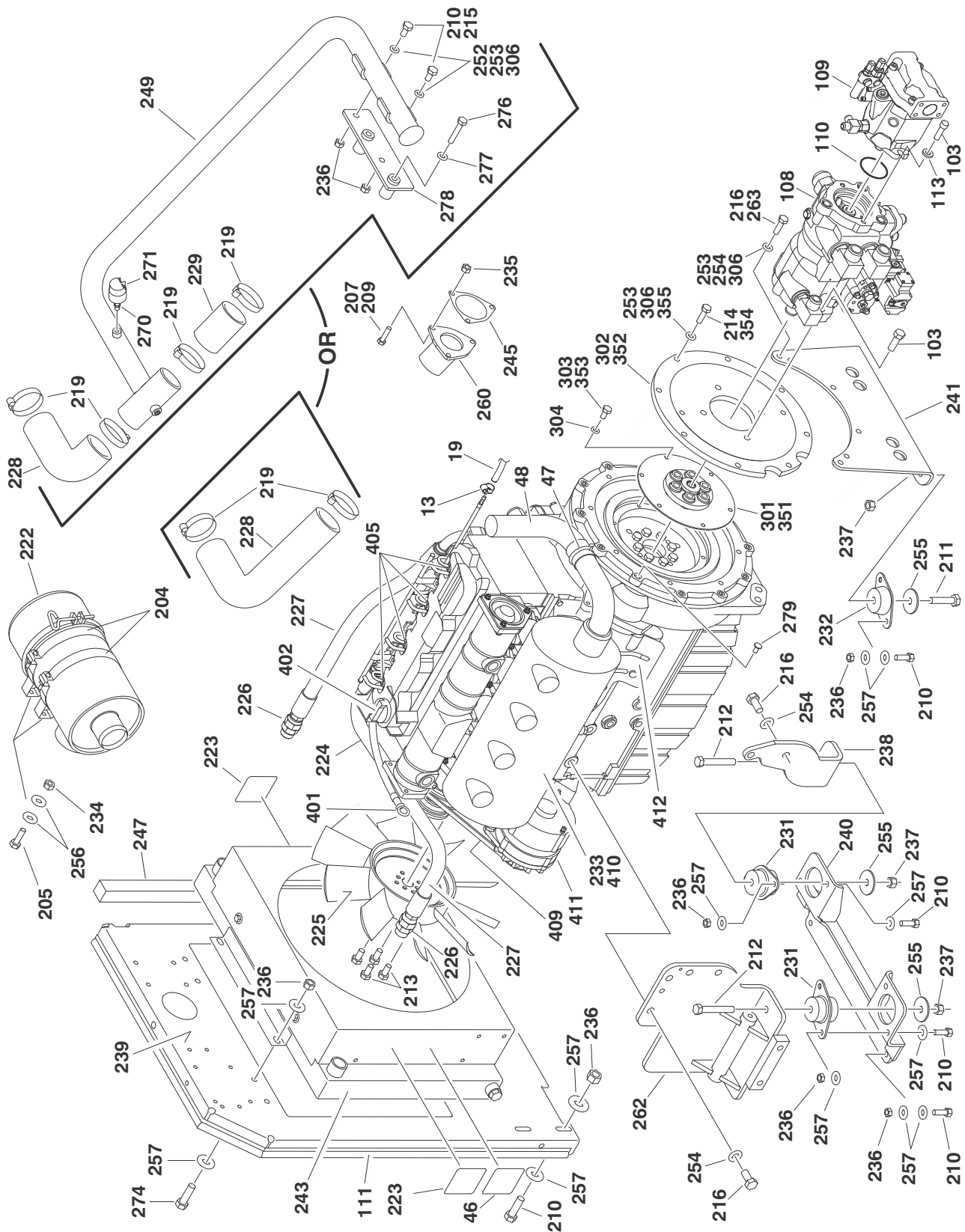
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
305	7020479	1	Starter	—
	See Note	1	Relay (Note: Not Available for Purchase.)	
	7026608	2	Bolt, Starter Mounting	
	70001498	1	Shield, Starter Heat (Not Shown)	
306	7026631	1	Dipstick, Oil Level	
	70001002	1	Tube, Dipstick	
307	7020168	1	Switch, Engine Temperature	
	7020480	1	Seal, Temperature Switch	
308	7020408	1	V-Belt	
309	7020458	1	Actuator	
	7026607	1	Spring, Actuator (was p/n 7027276)	
310	7020462	4	Pump, Fuel Injection (was p/n 7024318)	
	7026522	4	Injector, Fuel (Includes Nozzle Element) (Not Shown):	
311	7024413	1	Pump, Fuel Supply Options:	
	7020411	1	Seal, Pump (Not Shown)	
312	See Note	1	Flywheel Options (Not Shown): (Note: Not Available for Purchase.)	
	7024579		Ring Gear	
313	7024565	1	Sensor, Tach (Not Shown - Located on Flywheel Housing) (was p/n 7020481)	
314	70001423	1	Fuel Filter Head	
315	7020431	1	Gasket, Valve Cover (Not Shown)	
		1	Gasket, Cylinder Head Options: (Not Shown)	
	70001681		1 Notch	
	70002411		2 Notches	
	70002530		3 Notches	
316	7020459	1	Thermostat (Includes Spring) (Not Shown)	
	7020460	1	Spring, Thermostat (Not Shown)	
317	7020465	1	Cap, Oil Fill (Not Shown)	
318	7020474	1	Pump Oil Lubrication (Not Shown)	
	7020468	1	Ring, Pump Sealing (Not Shown)	
319	7020449	4	Gasket, Intake Manifold to Head (Not Shown)	
320	7020471	4	Gasket, Exhaust Manifold to Head	
	70002200	8	Stud, Muffler Attaching	
	70003476	8	Nut, Muffler Attaching	
	0256847	Ref	PUMP COUPLING INSTALLATION	
401	1660234	1	Coupling, Hayes	
402	0080163	1	Plate, Pump Adapter	
403	0700810	63	Bolt Metric 8mm x 20mm	
404	4831900	6	Lockwasher 8mm	
405	Not Used			
406	4832000	8	Lockwasher 10mm	
407	3020021	AR	Grease, Coupling	

FIGURE 2-10. DEUTZ ENGINE INSTALLATION (SN 0300069000 TO SN 0300077500)

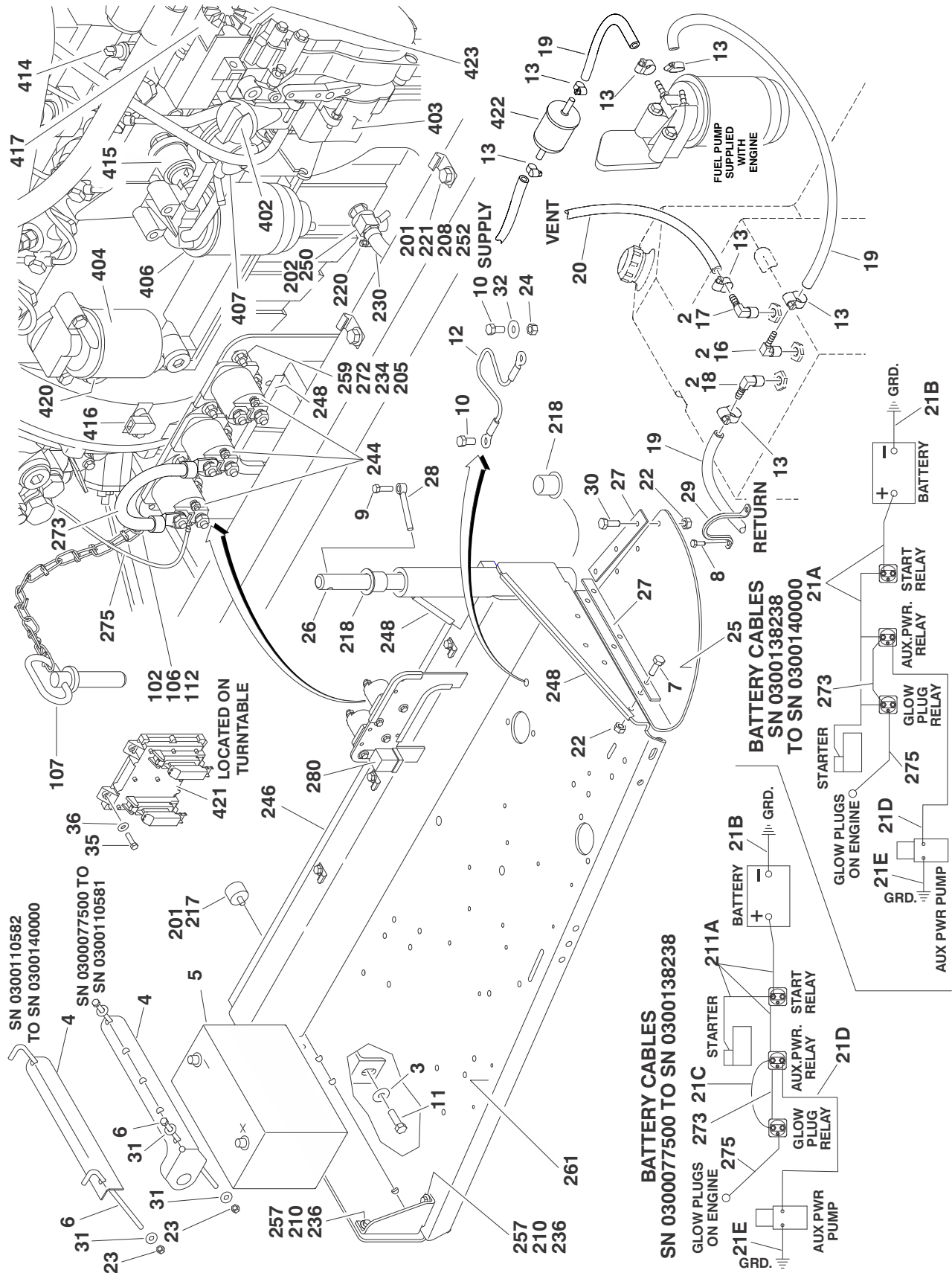
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)



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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DEUTZ ENGINE INSTALLATIONS	
		Ref	Without Arctic Package	
	0273709	Ref	SN 0300077500 to SN 0300085331	4/B
	0274301	Ref	SN 0300085331 to SN 0300121643	F
	1001095348	Ref	SN 0300121643 to SN 0300129456	C
	1001098506	Ref	SN 0300129456 to SN 0300140000	A
		Ref	With Arctic Package	
	0275184	Ref	SN 0300069000 to SN 0300121643	D
	1001095412	Ref	SN 0300121643 to SN 0300129456	C
	1001099637	Ref	SN 0300129456 to SN 0300140000	A
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	Not Used			
4		1	Hold-down, Battery Options:	
	0181727		SN 0300077500 to SN 0300110582	
	91401281		SN 0300110582 to SN 0300140000	
5	0400075	1	Battery	
6		2	Bolt, Battery Hold-down Options:	
	0630498		SN 0300077500 to SN 0300110582	
	1001093382		SN 0300110582 to SN 0300140000	
7	0641508	3	Bolt 5/16in-18NC x 1in	
8	0641608	AR	Bolt 3/8in-16NC x 1in	
9	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
10	0641808	2	Bolt 1/2in-13NC x 1in	
11	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
12	1060637	1	Cable, Lanyard	
13	1320022	5	Clamp, Hose	
14	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
15	Not Used			
16	2180348	1	Fitting, Straight Barbed	
17	2220313	1	Fitting, Elbow	
18	2221176	1	Fitting, Elbow Barbed	
19	2720058	30ft/9.2m	Hose	
20	2750532	6ft/1.8m	Hose	
21			Battery Cable Kit Options:	
	2902401	1	Battery Cable Kit (SN 0300077500 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
21A	2902401	1	Battery Cable Kit (SN 0300138238 to SN 0300140000)	B
		1	Cable, Battery (Red) Options:	
	7016813		SN 0300077500 to SN 0300138238	
	1001116288		Machines SN 0300138238 to SN 0300140000 with 3 Relays on Engine Tray (was p/n 7027027)	
	1001116287		Machines SN 0300138238 to SN 0300140000 with 2 Relays on Engine Tray (was p/n 7027027)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
21B	7027012	1	Cable, Battery (Black) Options: SN 0300077500 to SN 0300138238	
	7027004		SN 0300138238 to SN 0300140000	
21C	7016803	AR	Cable, Battery (Red) Options:	
	Not Required	1	SN 0300077500 to SN 0300138238	
		0	SN 0300138238 to SN 0300140000 - Part of 21A	
21D	7016824	1	Cable (Red)	
21E	7016825	1	Cable (Black)	
22	3311505	6	Locknut 5/16in-18NC	
23		2	Locknut Options:	
	3311605		Locknut 3/8in-16NC (SN 0300077500 to SN 0300110582)	
	3311505		Locknut 5/16in-18NC (SN 0300110582 to SN 0300121643)	
	88521205		Locknut 5/16in-18NC (SN 0300121643 to SN 0300140000)	
24	3311801	1	Nut 1/2in-13NC	
25	3380429	1	Panel, Rubber	
26	3422446	1	Pin, Pivot	
27	3539957	2	Plate, Hold-down	
28	3841143	1	Pin, Keeper	
29	3841340	3	Loop, Hose	
30	3900272	3	Bolt 5/16in-18NC x 1-3/4in	
31		AR	Flatwasher Options:	
	4751600	4	Flatwasher 3/8in Wide (SN 0300077500 to SN 0300110582)	
	4751500	2	Flatwasher 5/16in Wide (SN 0300110582 to SN 0300140000)	
32	4751800	1	Flatwasher 1/2in Wide	
33	4752000	1	Flatwasher 5/8in Wide	
34	4922737	1	Harness, Engine Grounding (Not Shown)	
35	0641410	4	Bolt 1/4in-20NC x 1-1/8in	
36	4711400	4	Flatwasher 1/4in Narrow	
37 to 44	Not Used			
45	4922978	1	Harness, Start Assist Solenoid (SN 0300077500 to SN 0300085331)	
46		1	Decal - Warning Explosion/Fire (SN 0300077500 to SN 0300129456) Options:	
	1704972		ANSI Spec Decals	
	1706064		CSA Spec Decals	
	1706060		Dual Language English/Chinese Decals	
	1706062		Dual Language English/Japanese Decals	
	1706061		Dual Language English/Korean Decals	
	1706059		Dual Language English/Portuguese Decals	
	1706063		Dual Language English/Spanish Decals	
47	1320176	1	Clamp, Exhaust	
48		1	Tube, Exhaust Options:	
	See Note		SN 0300077500 to SN 0300129456 (Note: Not Available Separately. Purchase Muffler Assembly.)	
	1001101600		SN 0300129456 to SN 0300140000	
49 to 50	Not Used			

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Note: Arctic Package Items 51 - 62 Not Shown - Used on Arctic Machines Only	
51	1060625	1	Cable, Immersion Heater (Located on Bottom of Hydraulic Oil Tank)	
52	1060626	1	Cord, 3 Way Extension (Located on Left Front of Engine)	
53	1320223	AR	Clamp	
54	1702941	1	Decal - Battery Heater (Located on Battery Heater)	
55	1702942	1	Decal - Engine Block Heater (Located on Right Side of Engine)	
56	1702943	1	Decal - Hydraulic Tank Heater (Located on Bottom of Hydraulic Oil Tank)	
57	1702944	1	Decal - Heater Cord (Located on Left Front of Engine)	
58	2580024	1	Heater, Battery (Located on Battery)	
59	2580050	1	Heater, Hydraulic Tank (Located on Bottom of Hydraulic Oil Tank)	
60	3980007	1	Seat, Battery (Located on Battery)	
61	3311605	1	Nut 3/8in-16 NC (SN 0300129456 to SN 0300140000)	
62	4711600	AR	Flatwasher 3/8in Narrow	
		Ref	ENGINE AND PUMP ASSEMBLIES	
		Ref	Without Arctic Package	
	2000225	Ref	SN 0300077500 to SN 0300085331	B
	2000284	Ref	SN 0300085331 to SN 0300121643	C
	1001095347	Ref	SN 0300121643 to SN 0300129456	B
	1001098507	Ref	SN 0300129456 to SN 0300140000	A
		Ref	With Arctic Package	
	2000367	Ref	SN 0300069000 to SN 0300121643	B
	1001095411	Ref	SN 0300121643 to SN 0300129456	B
	1001099639	Ref	SN 0300129456 to SN 0300140000	A
	1001162546	Ref	PUMP COUPLING REPLACEMENT KIT	C
101	0100011	AR	Compound, Locking	
102	0641407	1	Bolt 1/4in-20NC x 7/8in	
103	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
103	0711025	2	Bolt M10 x 85 Grade 10.9	
104 to 105	Not Used			
106	3311405	1	Locknut 1/4in-20NC	
107	3422532	1	Pin, Hitch	
108	3600400	1	Piston Pump Assembly with Fittings (See PISTON PUMP ASSEMBLY for Breakdown):	
109		AR	Gear Pump Assembly with Fittings Options:	
	3600401	1	Gear Pump (Rexroth) (SN 0300069000 to SN 0300121643)	C
	2220415	1	Fitting	
	2220374	1	Fitting	
	3600278	1	Pump, Displacement	
	7018995	1	Seal Kit - 3600278 Pump	
	7024918	1	Seal, Shaft	
	7024930	1	Valve Assembly Kit - 3600278 Pump	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
109 (cont'd)	1001095354	1	Gear Pump (Sauer Danfoss) (SN 0300121643 to SN 0300140000)	A
	2220415	1	Fitting	
	1001094595	1	Pump, Displacement	
	7023967	1	Seal Kit - 1001094595 Pump	
	7023956	1	Valve Assembly Kit - 1001094595 Pump	
110	3790044	1	O-Ring	
111	3960389	5ft/1.5m	Seal	
112	4751400	1	Flatwasher 1/4in Wide	
113	4891800	2	Flatwasher, 1/2 Hardened	
113	4891600	2	Flatwasher, 3/8 Hardened	
		Ref	ENGINE AND PUMP ASSEMBLIES	
		Ref	Without Arctic Package	
	2000219	Ref	SN 0300077500 to SN 0300085331	D
	2000279	Ref	SN 0300085331 to SN 0300092718	E
	2000342	Ref	SN 0300092718 to SN 0300129456	B
	1001098508	Ref	SN 0300129456 to SN 0300140000	C
		Ref	With Arctic Package	
	2000365	Ref	SN 0300077500 to SN 0300129456	B
	1001099640	Ref	SN 0300129456 to SN 0300140000	C
	0256689	Ref	MUFFLER INSTALLATION - SPARK ARRESTING (STANDARD)	—
	0256690	Ref	MUFFLER INSTALLATION - CATALYTIC (SN 0300077500 TO SN 0300129456 - OPTIONAL)	—
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	Not Used			
207	0641510	AR	Bolt 5/16in-18NC x 1-1/4in	
208	0641606	3	Bolt 3/8in-16NC x 3/4in	
209	0641512	1	Bolt 5/16in-18NC x 1-1/2in	
210	0641610	AR	Bolt 3/8in-16NC x 1-1/4in	
211	0641818	2	Bolt 1/2in-13NC x 2-1/4in	
212	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
213	0700808	4	Bolt 8mm x 16mm	
214	0701012	2	Bolt 10mm x 25mm	
215	0701015	AR	Bolt 10mm x 35mm	
216	0701414	AR	Bolt 14mm x 130mm	
217	0940070	1	Bumper	
218	0961986	2	Bushing, Flanged	
219	1320016	AR	Clamp	
220	8410013	1	Clamp, Hose (SN 0300077500 to SN 0300136497 Only)	
221	1320223	4	J-Clip	
222	1340060	1	Air Cleaner Assembly Including Filter Element	
	7012664	1	Element, Filter (Not Shown)	
223	1703162	2	Decal - Caution Fan Blade	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
224	2000216 2000274 2000339 1001094101	1	Engine, Deutz Options: SN 0300077500 to SN 0300085331 SN 0300085331 to SN 0300092718 SN 0300092718 to SN 0300129456 SN 0300129456 to SN 0300140000	
225	2060025	1	Fan	
226	2220451	2	Fitting, Straight	
227	2720398	2	Hose, Oil Cooler	
228	2720434 1001091179	1	Elbow, Rubber Options: SN 0300077500 to SN 0300136497 SN 0300136497 to SN 0300140000	
229	2720449	1	Hose, Air Cleaner (SN 0300077500 to SN 0300136497 Only)	
230	2750532 1001091892	1ft/30cm	Hose, Oil Drain Options: SN 0300077500 to SN 0300136497 SN 0300136497 to SN 0300140000	
231	3200362	2	Mount, Motor	
232	3200406	2	Mount, Motor	
233	3220103 1001099051 3220104 1001101241	1	Muffler Options: Spark Arresting (Standard) SN 0300077500 to SN 0300129456 SN 0300129456 to SN 0300140000 Catalytic (Optional) SN 0300077500 to SN 0300129456 SN 0300129456 to SN 0300140000 Muffler Components: Clamp Options (SN 0300077500 to SN 0300129456 Only): Saddle Clamp Used on Spark Arresting Band Clamp Used on Catalytic	
	7024398	1	Tube, Exhaust (SN 0300077500 to SN 0300129456 Only)	
	7024560	1	Plug, Brass	
234	3311405	AR	Locknut 1/4in-20NC	
235	3311505	3	Locknut 5/16in-18NC	
236	3311605	AR	Locknut 3/8in-16NC	
237	3311805	4	Locknut 1/2in-13NC	
238	3537416	1	Plate, Engine Mounting (Front Right Side)	
239	3539872	1	Plate, Radiator Mounting	
240	3539971	1	Plate, Engine Mounting (Front Bottom)	
241	3574978 1001093943	1	Plate, Engine Mounting (Rear) Options: SN 0300077500 to SN 0300129456 SN 0300129456 to SN 0300140000	
242	Not Used			
243	3620033	1	Radiator	
244	3740067	AR	Relay	
245	3960407	1	Gasket, Air Intake	
246	3960468	1	Seal	
247	3960469	1	Seal	
248	4060805	37in/1m	Flex-Trim	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
249	4567815 4569171 1001099686 Not Required	1	Tube, Tuning Options: SN 0300077500 to SN 0300085331 SN 0300085331 to SN 0300129456 SN 0300129456 to SN 0300136497 SN 0300136497 to SN 0300140000	
250	4640751 1001104308	1	Valve, Oil Drain Options: SN 0300077500 to SN 0300136497 SN 0300136497 to SN 0300140000	
251	Not Used			
252	4711600	AR	Flatwasher 3/8in Narrow	
253	4711700	6	Flatwasher 7/16in Narrow	
254		AR	Flatwasher Options:	
	4711900	6	Flatwasher 9/16in Narrow (SN 0300077500 to SN 0300092718)	
	4812200	AR	Flatwasher 14mm (SN 0300092718 to SN 0300140000)	
255	4740274	4	Washer, Snubbing	
256	4751400	AR	Flatwasher 1/4in Wide	
257	4751600	AR	Flatwasher 3/8in Wide	
258	4751700	2	Flatwasher 7/16in Wide	
259	4791400	AR	Starwasher 1/4in	
260	4845395	1	Adapter, Air Intake	
261		1	Tray, Engine Options:	
	4845404		SN 0300077500 to SN 0300129456	
	1001094321		SN 0300129456 to SN 0300140000	
262	4846566	1	Plate, Engine Mounting (Front Left Side)	
263	0701014	4	Bolt 10mm x 30mm	
264 to 269	Not Used			
270	2180798	1	Fitting (SN 0300077500 to SN 0300085331 Only)	
271	4360392	1	Indicator, Restriction (SN 0300077500 to SN 0300085331 Only)	
272		6	Flatwasher Options:	
	4751400		Flatwasher 1/4in Wide (SN 0300077500 to SN 0300092718)	
	4711400		Flatwasher 1/4in Narrow (SN 0300092718 to SN 0300140000)	
273	1060904	1	Cable, Jumper (SN 0300092718 to SN 0300140000)	
274		6	Bolt Options:	
	0641610		Bolt 3/8in-16NC x 1-1/4in (SN 0300077500 to SN 0300092718)	
	0641609		Bolt 3/8in-16NC x 1-1/8in (SN 0300092718 to SN 0300140000)	
275	4923379	1	Harness, Glow Plugs (SN 0300092718 to SN 0300140000)	
276	0711025	2	Bolt M10 x 85mm (SN 0300129456 to SN 0300136497 Only)	
277	4891600	2	Flatwasher, Hardened 3/8in (SN 0300129456 to SN 0300136497 Only)	
278	1001098916	1	Support, Tuning Tube (SN 0300129456 to SN 0300136497 Only)	
279	3520054	1	Plug, Hole (SN 0300129456 to SN 0300140000)	
280	3740080	1	Relay, EGR (SN 0300129456 to SN 0300140000)	
281 to 285	Not Used			

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Note: Arctic Package Item 286 & 287 Not Shown - Used on Arctic Machines Only.	
286	2580062	1	Heater, Engine Block	
287	3020044	3.75gal	Oil, Motor 0W-40 (With Arctic Package)	
	0256847	Ref	PUMP COUPLING INSTALLATION (SN 0300077500 TO SN 0300129456)	B
301	1660234	1	Coupling, Hayes	
302	0080163	1	Plate, Pump Adapter	
303	0700810	6	Bolt M8 x 20mm	
304	4831900	6	Lockwasher M8	
305	Not Used			
306	4832000	8	Lockwasher 10mm (SN 0300077500 to SN 0300085331 Only)	
307	3020021	AR	Grease, Coupling (Not Shown)	
	2902065	NLA	PUMP COUPLING INSTALLATION (NOTE: PURCHASE P/N 1001162546 KIT) (SN 0300129456 TO SN 0300140000)	H
	1001162546	Ref	SERVICE REPLACEMENT KIT FOR PUMP COUPLING AND MOUNTING PLATE (SN 0300174937 TO SN 030185827) (WAS P/N 1001153282) (NOT SHOWN)	C
351	70000793	1	Coupling, Hayes (For Coupling Kit 2902065)	
	70004183	1	Coupling, Guardian (For Coupling Kits p/ns 1001162546 & 1001153282)	
352		NSS	Plate, Pump Adapter (Note: Not Available - Purchase Kit p/n 1001162546)	
353	See Note	18	Capscrew M10 (Note: Not Available - Purchase Locally)	
354	See Note	12	Bolt M10 x 25mm Grade 10.9 (Note: Not Available - Purchase Locally)	
355	See Note	12	Flatwasher M10 (Note: Not Available - Purchase Locally)	
		Ref	ENGINE COMPONENTS	
	2000216	Ref	SN 0300077500 to SN 0300085331	C
	2000274	Ref	SN 0300085331 to SN 0300092718	B
	2000339	Ref	SN 0300092718 to SN 0300129456	B
	1001094101	Ref	SN 0300129456 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)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
405		4	Pump, Injector Options: SN 0300077500 to SN 0300129456 Series A Injector (was p/n 7027242) Series B Injector (was p/n 7027611) Series C Injector (was p/n 7027612) Series D Injector (was p/n 7027613) SN 0300129456 to SN 0300140000 Series A Injector Series B Injector Series C Injector Series D Injector Gasket Options (1 per Injector): SN 0300077500 to SN 0300129456 SN 0300129456 to SN 0300140000 (Note: Not Available for Purchase.)	
	7027246			
	7027608			
	7027609			
	7027610			
	70000912			
	70000913			
	70000914			
	70000915			
	7020447			
	See Note			
406	7016328	1	Filter, Fuel	
407	70000916	1	Pump, Fuel Supply (was p/n 7027238)	
	70001435	1	Repair Kit for 70000916 Pump	
	70000919	1	Hand Pump for 70000916 Pump	
	70000918	1	Seal, Hand Pump for 70000916 Pump	
		1	O-Seal Between Fuel Pump & Engine Block Options (Not Shown): 7027238 Pump (SN 0300077500 to SN 0300129456) 70000916 Pump (SN 0300129456 to SN 0300140000)	
408	7020411			
	70000917			
408	7020449	4	Gasket, Intake Manifold (Not Shown)	
409	7020408	1	V-Belt	
410	7020471	4	Gasket, Exhaust (Manifold to Engine Block) (SN 0300077500 to SN 0300129456) (Not Shown)	
	70002200	8	Stud, Muffler Attaching) (SN 0300077500 to SN 0300129456) (Not Shown)	
	70003476	8	Nut, Muffler Attaching) (SN 0300077500 to SN 0300129456) (Not Shown)	
	70001836	1	Gasket, Exhaust (Engine Head to Header) (SN 0300129456 to SN 0300140000) (Not Shown)	
	70001835	1	Gasket, Exhaust (Header to EGR Valve Block) (SN 0300129456 to SN 0300140000) (Not Shown)	
	70001841	1	Valve, EGR (SN 0300129456 to SN 0300140000) (Not Shown)	
	70001838	2	Gasket, Exhaust (EGR Valve Block to Exhaust Tube) (SN 0300129456 to SN 0300140000) (Not Shown)	
	70001874	1	Plate Choke (Between 70001838 Gaskets) (SN 0300129456 to SN 0300140000) (Not Shown)	
	70001837	1	Gasket, Exhaust (Exhaust Tube to Muffler) (SN 0300129456 to SN 0300140000) (Not Shown)	
	70001839	1	Flange, Sealing (Near Front of Header) (includes Seal & Pin) (SN 0300129456 to SN 0300140000) (Not Shown)	
411	7000663	1	Alternator (was p/n 7020410 & 7016329)	
		1	Regulator, Voltage Options (Not Shown): SN 0300077500 to SN 0300129456 SN 0300129456 to SN 0300140000	
	7020464			
	70001868			
	70001866	1	Gasket, Regulator (SN 0300129456 to SN 0300140000) (Not Shown)	

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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
411 cont'd	70002234	1	Bracket, Adjusting (Not Shown)	
412	7020479	1	Starter	
	7026608	1	Solenoid	
	70001498	1	Shield, Starter Heat	
413	70000345	4	Plug, Glow (SN 0300092718 to SN 0300140000)	
414		1	Sender, Temperature Options:	
	7027241		SN 0300077500 to SN 0300085331	
	7027791		SN 0300085331 to SN 0300140000	
	See Note	1	Ring, Sealing (Note: Not Available for Purchase.)	
415		1	Sensor, Oil Pressure Options:	
	7020461		SN 0300077500 to SN 0300085331	
	7027790		SN 0300085331 to SN 0300140000	
416	7024565	1	Sensor, Speed	
417		1	Actuator, Throttle	
	7020458		SN 0300077500 to SN 0300085331	
	7027792		SN 0300085331 to SN 0300140000	
	7026607	2	Spring, Actuator (was p/n 7027276)	
418	7020459	1	Thermostat (Located at rear of engine block - Not Shown)	
	7020460	1	Spring, Compression	
419		1	Flywheel Options (Not Shown):	
	70000264		SN 0300077500 to SN 0300129456	
	70001870		SN 0300129456 to SN 0300140000	
	7024579	1	Ring Gear (Located on Flywheel - Not Shown)	
420		1	Sender, Temperature Options:	
	7027236		SN 0300077500 to SN 0300129456	
	See Note		SN 0300129456 to SN 0300140000 (Note: Not Available for Purchase.)	
421	7027795	1	Module, EMR2 Controller (SN 0300085331 to SN 0300140000)	
	7027796	1	Harness, EMR2 Module (SN 0300085331 to SN 0300140000)	
422	7027245	1	Filter, Fuel In-line (2000216 Engine Only)	
423		1	Solenoid, Throttle Options:	
	7027239		SN 0300077500 to SN 0300129456	
	See Note		SN 0300129456 to SN 0300140000 (Note: Not Available for Purchase.)	
424	See Note	1	Gasket, Valve Cover (Not Shown) (Note: Not Available for Purchase.)	
425		AR	Gasket, Cylinder Head Options (Not Shown):	
	See Note	1	Gasket (SN 0300077500 to SN 0300085331) (Note: Not Available for Purchase.)	
		1	Gasket (SN 0300085331 to SN 0300129456)	
	70003001		1 Notch	
	70003002		2 Notches	
	70003003		3 Notches	
		1	Gasket (SN 0300129456 to SN 0300140000):	
	70002415		1 Notch	
	70002416		2 Notches	
	70002417		3 Notches	

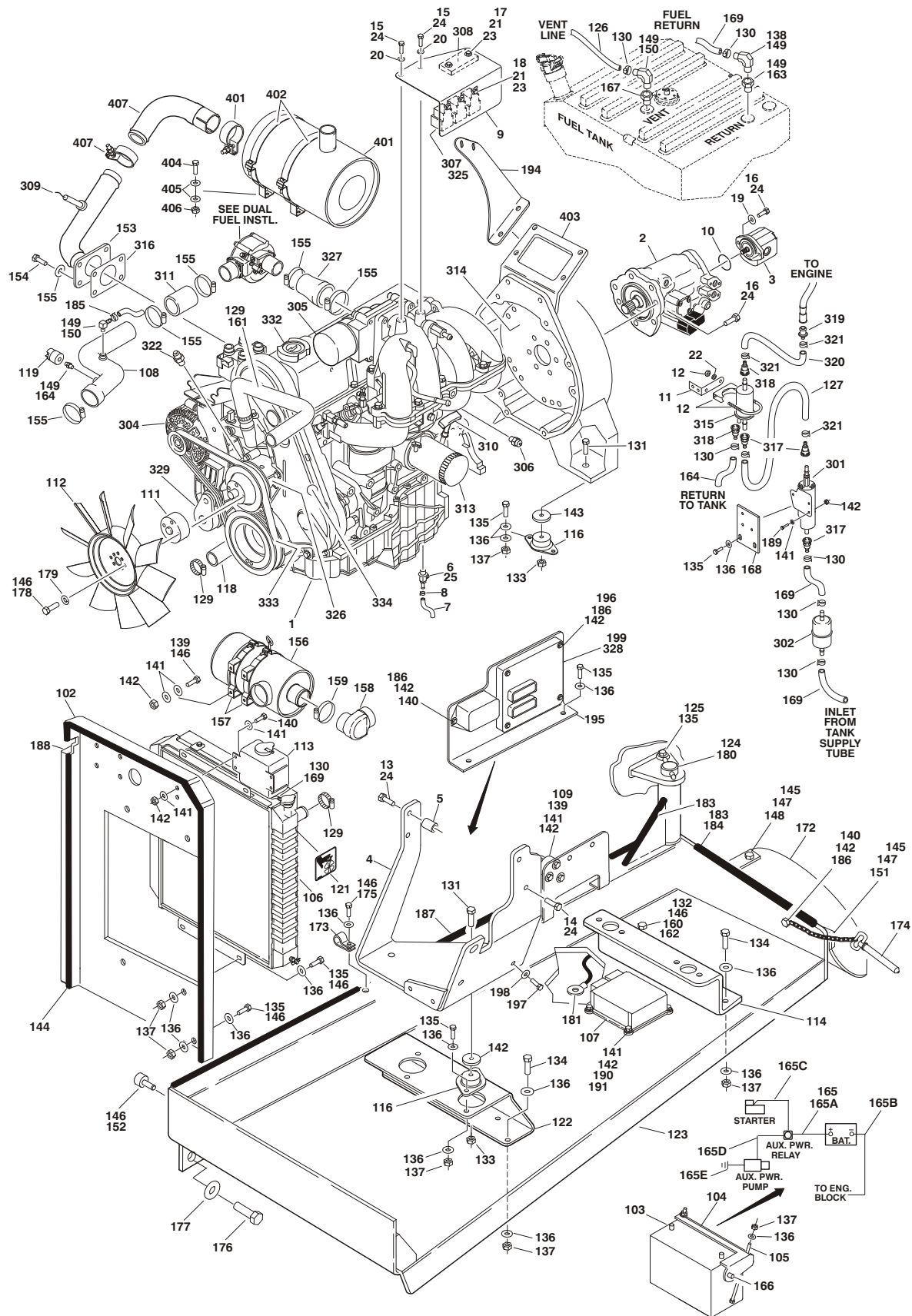
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FIGURE 2-11. DEUTZ ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
426	70000800	1	Timing Belt/Idler Kit Options (Not Shown): SN 0300077500 to SN 0300085331	
	See Note		SN 0300085331 to SN 0300140000 (Note: Not Available for Purchase.)	
427	See Note	1	Harness. Engine Options (Not Shown): SN 0300077500 to SN 0300085331 (Note: Not Available for Purchase.)	
	7027794		SN 0300085331 to SN 0300129456	
	70001872		SN 0300129456 to SN 0300140000	
	7027793	1	Plug, Connector	
428	70001847	1	Breather, Valve (Not Shown - Located On Front Cover) (SN 0300129456 to SN 0300140000)	
	70001126	1	Seal, Breather (SN 0300129456 to SN 0300140000)	

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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500)



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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ENGINE ASSEMBLIES	
	0271368	Ref	Standard (SN 0300069000 to SN 0300073348)	2/A
	0271364	Ref	Dual Fuel (SN 0300069000 to SN 0300073348)	2/A
	0272745	Ref	Dual Fuel (SN 0300073348 to SN 0300077500)	2/B
1		1	Engine - Ford LRG-425 EFI Options:	
	2000172		Standard (SN 0300069000 to SN 0300073348)	
	2000174		Dual Fuel (SN 0300069000 to SN 0300073348)	
	2000193		Dual Fuel (SN 0300073348 to SN 0300077500)	
2	3600295	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown)	
3	3600278	1	Piston Pump Assembly	
	7018995	1	Seal Kit - 3600278 Motor	
	7024918	1	Seal, Shaft	
	7024930	1	Valve Assembly - 3600278 Motor	
4		1	Plate, Engine Mounting - Front Options:	
	3539972		SN 0300069000 to SN 0300073348	
	4846806		SN 0300073348 to SN 0300077500	
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 M10 x 70mm	
14	0701014	2	Bolt M10 x 30mm	
15	0700810	3	Bolt M8 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 (SN 0300069000 to SN 0300073348)	
19	4891800	2	Washer, Hardened 1/2in	
20	4751500	2	Flatwasher 5/16in	
21	4751000	AR	Flatwasher #10	
22	4761500	2	Lockwasher 5/16in	
23	3311005	AR	Locknut #10-24NC	
24	0100011	AR	Compound, Locking	
25	0100020	AR	Sealant, Pipe	
		Ref	ENGINE INSTALLATIONS	
	0271367	Ref	Standard (SN 0300069000 to SN 0300073348)	3/C
	0271366	Ref	Dual Fuel (SN 0300069000 to SN 0300073348)	2/B
	0272831	Ref	Dual Fuel (SN 0300073348 to SN 0300077500)	4/C
101	Not Used			
102	3539872	1	Mount, Radiator	
103	0400075	1	Battery	

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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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	Module, Controller (ECM) (SN 0300069000 to SN 0300073348)	
108		1	Weldment, Air Intake Tube Options:	
	4846011		SN 0300069000 to SN 0300073348	
	4846046		SN 0300073348 to SN 0300077500	
109	3740067	1	Relay, Auxiliary Power Relay	
110	Not Used			
111	0080214	1	Adapter, Fan Spacer	
112	2060025	1	Fan, Suction	
113	1580011	1	Container, Coolant Overflow Container	
114	3570133	1	Plate, Engine Mount-Ford (Rear)	
115	Not Used			
116	3200362	4	Mount, Rubber	
117	Not Used			
118	2720435	1	Hose, Lower Radiator (Lower)	
119	4360392	1	Switch, Restriction Indicator Switch	
120	3841340	2	Hose Loop (Not Shown - Located Inside Turntable)	
121	1703162	2	Decal - Fan Blade	
122		1	Plate, Engine Mount (Front) Options:	
	3570103		SN 0300069000 to SN 0300073348	
	3574122		SN 0300073348 to SN 0300077500	
123	4845404	1	Tray, Engine	
124	3422446	1	Pin, Pivot	
125	3841143	1	Pin, Keeper	
126	2750532	5ft/1.5m	Hose	
127	2720472	1	Hose	
128	1320060	1	Clamp, Hose - 0.625 (SN 0300069000 to SN 0300073348)	
129	1320012	4	Clamp, Hose, Radiator	
130	1320022	9	Clamp, Hose	
131	0641828	4	Bolt 1/2in-13NC x 3-1/2in	
132	4751800	1	Flatwasher 1/2in	
133	3311805	4	Hex Nut 1/2in - 13UNC	
134	0641610	8	Bolt 3/8in-16NC x 1-1/4in	
135	0641608	22	Bolt 3/8in-16NC x 1in	
136	4751600	55	Flatwasher 3/8in	
137	3311605	31	Locknut 3/8in-16UNC	
138	2220805	1	Fitting	
139	0641408	3	Bolt 1/4in-20NC x 1in	
140	0641406	AR	Bolt 1/4in-20NC x 3/4in	
141	4751400	AR	Flatwasher 1/4in	
142	3311405	AR	Locknut 1/4in x 20UNC	
143	4740274	4	Washer, Snubbing	
144	3960389	7ft/2.1m	Seal	
145	3539957	2	Plate, Hold Down	
146	0100011	AR	Compound, Locking	

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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
147	3311505	6	Hex Nut 5/16in-18NC	
148	3900272	3	Bolt 5/16in-18NC x 1-3/4in	
149	0100020	AR	Sealant, Pipe	
150	2180467	1	Fitting, Elbow Barbed	
151	0641508	3	Bolt 5/16in-18NC x 1in	
152	0940070	1	Bumper, Rubber	
153	4567879	1	Tube, Exhaust	
154	0701012	4	Bolt M10 x 1.5 x 25 mm	
155	4832000	4	Lockwasher	
156	1340060	1	Air Cleaner Assembly	
	7012664	1	Filter, Air Cleaner	
157	0340041	2	Band, Muffler/Air Cleaner	
158	0080201	1	Fitting, Elbow Reducing	
159	1320016	2	Clamp, Worm Gear	
160	3311801	1	Hex Nut 1/2in-13 UNC	
161	2720436	1	Hose, Radiator (Upper)	
162	1641808	2	Bolt 1/2in-13NC x 1in	
163	2220430	1	Fitting, Reducer	
164	2180798	1	Fitting, Restriction Indicator	
165	2901608	1	Battery Cable Kit	
165A	7016800	1	Cable, Battery (Red)	
165B	7016807	1	Cable, Battery (Black)	
165C	7016808	1	Cable (Red)	
165D	7016824	1	Cable (Red)	
165E	7016825	1	Cable (Black)	
166	4460611	1	Terminal, Battery Jumper Post	
167	2220250	1	Fitting, Reducer	
168		1	Plate, Pump Mounting Options:	
	3572414		SN 0300069000 to SN 0300073348	
	3574222		SN 0300073348 to SN 0300075195	
	3572414		SN 0300075195 to SN 0300077500	
169	2720058	12ft/3.7m	Hose 5/16in	
170 to 171	Not Used			
172	3380429	1	Panel, Rubber	
173	1320223	AR	Clamp, "J" Clip 1/2in	
174	3422532	1	Pin, Hitch	
175	0641606	3	Bolt 3/8in-16NC x 3/4in	
176	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
177	4752000	1	Flatwasher 5/8in	
178	0700819	4	Bolt M8 x 1.25 x 55mm	
179	4831900	4	Lockwasher M8	
180	0961986	2	Bearing, Flange	
181	1060637	1	Cable, Lanyard	
182	1701542	1	Decal - Gasoline (Not Shown - Located Near Tank)	
183	4060804	2.9ft/0.88m	Flex-Trim	
184	Not Used			
185	1320032	2	Clamp, Hose	
186	4711400	AR	Flatwasher, 1/4in	

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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
187	3960468	1	Seal, Foam	
188	3960469	1	Seal, Foam	
189	0641410	3	Bolt 1/4in-20NC x 1-1/4in	
190	4568158	4	Standoff 1/4in x 2in	
191	0641424	4	Bolt 1/4in-20NC x 3in	
192 to 193	Not Used			
194	0902572	1	Bracket, LP Mounting (Dual Fuel Machines Only)	
195	3574162	1	Plate, ECM/Relay Mounting (SN 0300073348 to SN 0300077500)	
196	0641414	4	Bolt 1/4in-20NC x 1-3/4in (SN 0300073348 to SN 0300077500)	
197	0641808	1	Bolt 1/2in-13NC x 1in (SN 0300073348 to SN 0300077500)	
198	4771800	2	Washer, Star 1/2in (SN 0300073348 to SN 0300077500)	
199	0100048	AR	Grease, Dielectric	
200 to 299	Not Used			
		Ref	ENGINE COMPONENTS	
	2000172	Ref	STANDARD (SN 0300069000 to SN 0300073348)	
	2000174	Ref	DUAL FUEL (SN 0300069000 to SN 0300073348)	
	2000193	Ref	DUAL FUEL (SN 0300073348 to SN 0300077500)	
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		SN 0300069000 to SN 0300073348	
	7023683		SN 0300073348 to SN 0300077500	
	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	7023663	1	Harness, ECM (SN 0300069000 to SN 0300073348)	
	7023681	1	Harness, Engine (SN 0300073348 to SN 0300077500)	
308	7022139	1	Sensor, MAP	
309		1	Sensor, EGR Options:	
	7019994		SN 0300069000 to SN 0300073348	
	7023682		SN 0300073348 to SN 0300077500	
310	2420187	1	Dipstick	
	4564281	1	Tube, Dipstick	
311	7023658	1	Horn, Rubber Air	
312	7023637	1	Switch, Oil Pressure	
313	7021868	1	Filter, Oil (was p/ns 7022147, 7021869 & 7014501)	

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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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)	
	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	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)	
324	7023657	1	Harness, TPS Harness (Not Shown)	
325		3	Relay Options:	
	7023613		SN 0300069000 to SN 0300073348 (2000174 Engines)	
	7023695		SN 0300073348 to SN 0300077500 (2000193 Engines)	
326	7022153	1	Pump, Water	
	7022154	1	Gasket, Water Pump	
	7022155	1	Sensor, Water Temperature (Not Shown)	
	7027411	1	Sender, Water (2000174 Engine Only) (Not Shown)	
	7022156	1	Thermostat (Not Shown)	
	7023644	1	Hose, Water Pump (By-Pass) (Not Shown)	
327	2720341	1	Horn, Rubber Air	
328	1600363	1	Module, EPM (SN 0300073348 to SN 0300077500) (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)	
329	70002567	1	Tensioner, Belt	
330	7019925	1	PCV Valve (Not Shown)	
331	7019930	1	Coil, Ignition (Not Shown)	
	7022157	1	Wire Set, Spark Plug (Not Shown)	
	7019932	4	Spark Plug (Not Shown)	
332	7022151	1	Cap, Oil Fill	
333	7027402	1	Belt, Drive (was p/n 7019979)	
334	7022150	1	Belt, Timing	

	3124114	1	Service Manual, Ford EFI System Diagnostic	

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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		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 Narrow	
406	3311505	4	Locknut 5/16in-18NC	
407	4567073	1	Tube, Exhaust	
	70001017	1	Clamp	

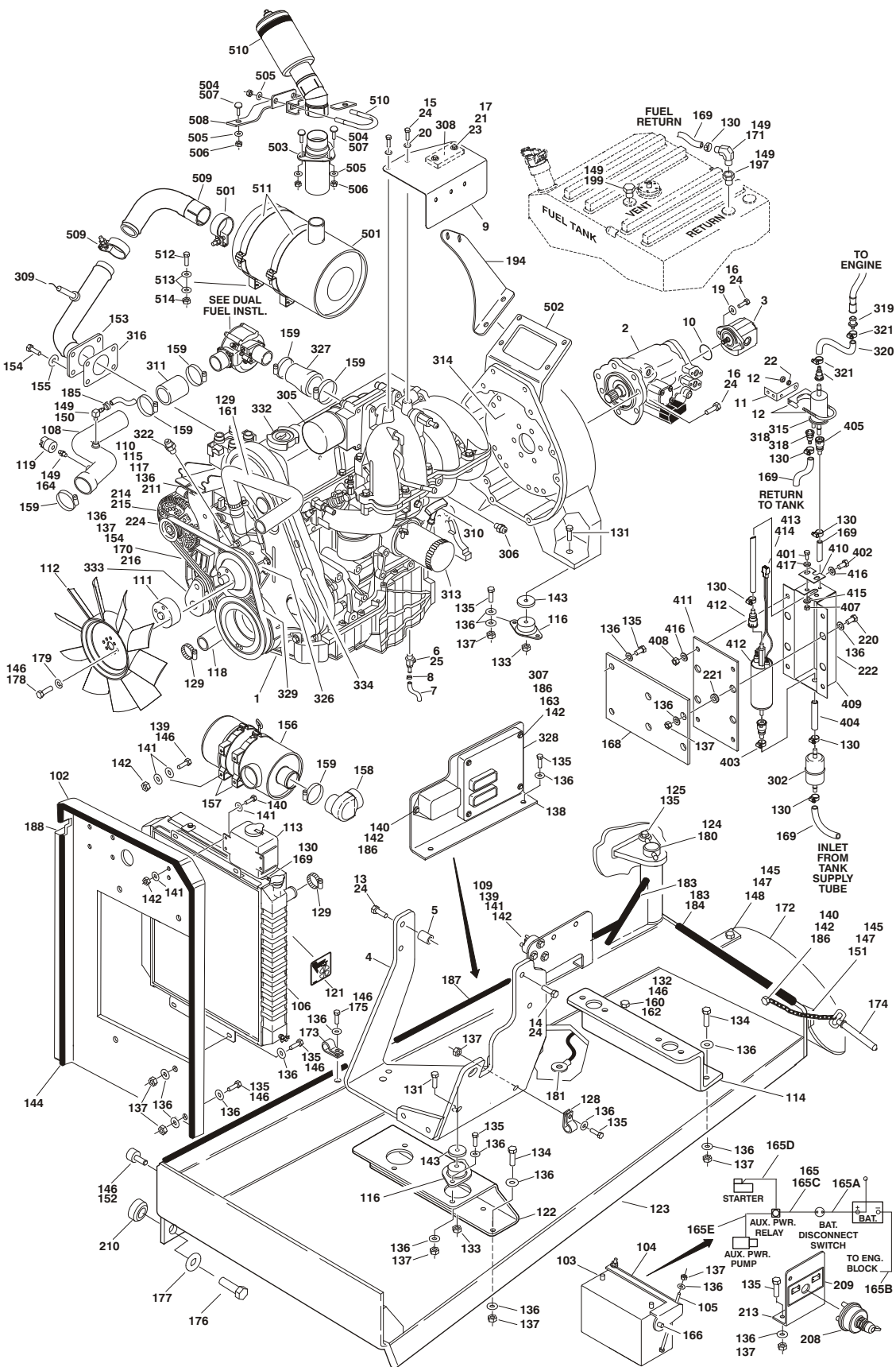
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FIGURE 2-12. FORD ENGINE INSTALLATION - NON-UL SPEC MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500)



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FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0272745	Ref	ENGINE DUAL FUEL ASSEMBLIES	2/B
1	2000193	1	Engine - Ford LRG-425 EFI	
2	3600295	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown)	
3	3600278	1	Piston Pump Assembly	
	7018995	1	Seal Kit - 3600278 Motor	
	7024918	1	Seal, Shaft	
	7024930	1	Valve Assembly - 3600278 Motor	
4	4846806	1	Plate, Engine Mounting - Front	
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 M10 x 70mm	
14	0701014	2	Bolt M10 x 30mm	
15	0700810	3	Bolt M8 x 20mm	
16	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
17	0721014	2	Screw #10-24NC x 1-3/4in	
18	Not Used			
19	4891800	2	Washer, Hardened 1/2in	
20	4751500	2	Flatwasher 5/16in	
21	4751000	AR	Flatwasher #10	
22	4761500	2	Lockwasher 5/16in	
23	3311005	AR	Locknut #10-24NC	
24	0100011	AR	Compound, Locking	
25	0100020	AR	Sealant, Pipe	
		Ref	ENGINE INSTALLATIONS	
	0272708	Ref	DUAL FUEL INSTALLATIONS	4/D
	0274195	Ref	LPS INSTALLATIONS (SN 0300079153 TO SN 0300077500)	2/B
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	0840026	AR	Boot, Electrical Cable (Not Shown - Located on Alternator)	
108	4846046	1	Weldment, Air Intake Tube	
109	3740067	1	Relay, Auxiliary Power Relay	
110	0701010	1	Bolt M10 x 20mm	
111	0080214	1	Adapter, Fan Spacer	

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FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
112	2060025	1	Fan, Suction	
113	1580011	1	Container, Coolant Overflow Container	
114	3570133	1	Plate, Engine Mount-Ford (Rear)	
115	0641507	1	Bolt 5/16in-18NC x 7/8in	
116	3200362	4	Mount, Rubber	
117	4751500	1	Flatwasher 5/16in	
118	2720435	1	Hose, Lower Radiator (Lower)	
119	4360392	1	Switch, Restriction Indicator Switch	
120	3841340	3	Hose Loop (Not Shown Located inside turntable) (Dual Fuel Only)	
121	1703162	2	Decal - Fan Blade	
122		1	Plate, Engine Mount (Front) Options:	
	3570103		SN 0300069000 to SN 0300073348	
	3574122		SN 0300073348 to SN 0300077500	
123	4845404	1	Tray, Engine	
124	3422446	1	Pin, Pivot	
125	3841143	1	Pin, Keeper	
126to 127	Not Used			
128	1320060	1	Clamp, Hose - 0.625 (SN 0300069000 to SN 0300073348)	
129	1320012	2	Clamp, Hose	
130	1320022	6	Clamp, Hose	
131	0641828	4	Bolt 1/2in-13NC x 3-1/2in	
132	4751800	1	Flatwasher 1/2in	
133	3311805	4	Hex Nut 1/2in - 13UNC	
134	0641610	8	Bolt 3/8in-16NC x 1-1/4in	
135	0641608	AR	Bolt 3/8in-16NC x 1in	
136	4751600	AR	Flatwasher 3/8in	
137	3311605	AR	Locknut 3/8in-16UNC	
138	3574162	1	Plate, ECM/Relay Mounting	
139	0641408	6	Bolt 1/4in-20NC x 1in	
140	0641406	7	Bolt 1/4in-20NC x 3/4in	
141	4751400	14	Flatwasher 1/4in	
142	3311405	AR	Locknut 1/4in x 20UNC	
143	4740274	4	Washer, Snubbing	
144	3960389	7ft/2.1m	Seal	
145	3539957	2	Plate, Hold Down	
146	0100011	AR	Compound, Locking	
147	3311505	6	Hex Nut 5/16in-18NC	
148	3900272	3	Bolt 5/16in-18NC x 1-3/4in	
149	0100020	AR	Sealant, Pipe	
150	Not Used			
151	0641508	3	Bolt 5/16in-18NC x 1in	
152	0940070	1	Bumper, Rubber	
153	4567879	1	Tube, Exhaust	
154	0701012	AR	Bolt M10 x 25mm	
155	4832000	4	Lockwasher	
156	1340050	1	Air Cleaner Assembly	
	7010638	1	Filter, Air Cleaner	
157	0340041	2	Band, Muffler/Air Cleaner	

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FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
158	0080201	1	Fitting, Elbow Reducing	
159	1320016	AR	Clamp, Worm Gear	
160	3311801	1	Hex Nut 1/2in-13 UNC	
161	2720436	1	Hose, Radiator (Upper)	
162	1641808	AR	Bolt 1/2in-13NC x 1in	
163	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
164	2180798	AR	Fitting, Restriction Indicator	
165	2902238	1	Battery Cable Kit	
165A	7016826	1	Cable, Battery (Red)	
165B	7016807	1	Cable, Battery (Black)	
165C	7016827	1	Cable (Red)	
165D	7016808	1	Cable (Red)	
165E	7016844	1	Cable (Black)	
166	4460611	1	Terminal, Battery Jumper Post	
167	Not Used			
168	3574222	1	Plate, Pump Mounting (Dual Fuel Engine Only)	
169	2720058	AR	Hose 5/16in Options:	
		12ft/3.7m	Dual Fuel Engine	
		6in/15cm	LPS Engine	
170	0641624	1	Bolt 3/8in-16NC x 3in	
171	2220459	1	Fitting	
172	3380429	1	Panel, Rubber	
173	1320223	3	Clamp, "J" Clip 1/2in	
174	3422532	1	Pin, Hitch	
175	0641606	3	Bolt 3/8in-16NC x 3/4in	
176	0642018	1	Bolt 5/8in-11NC x 2in	
177	4752000	2	Flatwasher 5/8in	
178	0700819	4	Bolt M8 x 1.25 x 55mm	
179	4831900	4	Lockwasher M8	
180	0961986	2	Bearing, Flange	
181	1060637	1	Cable, Lanyard	
182	1701542	1	Decal - Gasoline (Not Shown - Located Near Tank)	
183	4060804	2.9ft/0.88m	Flex-Trim	
184	4060806	2ft/0.6m	Flex-Trim	
185	Not Used			
186	4711400	13	Flatwasher, 1/4in	
187	3960468	1	Seal, Foam	
188	3960469	1	Seal, Foam	
189 to 193	Not Used			
194	0902572	1	Bracket, LP Mounting	
195 to 196	Not Used			
197	2220794	1	Fitting	
198	Not Used			
199	2200222	1	Fitting, Plug	
200	2820035	AR	Loom (Not Shown)	
201 to 207	Not Used			
208	4360256	1	Switch, Battery Disconnect	
209	1703476	1	Decal - Battery Disconnect	

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FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
210	0962450	2	Bushing, Spacer	
211	0181942	1	Angle, Alternator Mount	
212	4240099	2	Strap, Tie (Not Shown)	
213	3570238	1	Plate, Switch Mounting	
214	0160020	1	Alternator	
215	3580260	1	Pulley, Ford Alternator	
216	4845612	1	Mount, Alternator	
217 to 218	Not Used			
219	2901207	1	Band Kit, Auxiliary Power Motor (Not Shown)	
220	0641616	4	Bolt 3/8in-16NC x 2in (Dual Fuel Engine Only)	
221	3200404	4	Mount, Rubber	
222	0272816	1	Assembly, Fuel Pump (Dual Fuel Engine Only) (See Items 401 to 417 For Breakdown)	
223	4771800	2	Washer, Star 1/2in (SN 0300082186 to SN 0300077500)	
224	0480141	1	Belt, Alternator (LPS Engine Only)	
	2000193	Ref	ENGINE COMPONENTS	
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		SN 0300069000 to SN 0300073348	
	7023683		SN 0300073348 to SN 0300077500	
	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	7023663	1	Harness, ECM (SN 0300069000 to SN 0300073348)	
	7023681	1	Harness, Engine (SN 0300073348 to SN 0300077500)	
308	7022139	1	Sensor, MAP	
309		1	Sensor, EGR Options:	
	7019994		SN 0300069000 to SN 0300073348	
	7023682		SN 0300073348 to SN 0300077500	
310	2420187	1	Dipstick	
	4564281	1	Tube, Dipstick	
311	7023658	1	Horn, Rubber Air	
312	7023637	1	Switch, Oil Pressure	
313	7021868	1	Filter, Oil (was p/ns 7022147, 7021869 & 7014501)	
314	1660250	1	Coupling, Pump (was p/n 7016662)	
	7019976	1	Flywheel	
	7022180	1	Ring Gear	
315	7019993	1	Pressure Regulator & Filter Assembly	

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FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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	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)	
324	7023657	1	Harness, TPS Harness (Not Shown)	
325		3	Relay Options:	
	7023613		SN 0300069000 to SN 0300073348 (2000174 Engines)	
	7023695		SN 0300073348 to SN 0300077500 (2000193 Engines)	
326	7022153	1	Pump, Water	
	7022154	1	Gasket, Water Pump	
	7022155	1	Sensor, Water Temperature (Not Shown)	
	7022156	1	Thermostat (Not Shown)	
	7023644	1	Hose, Water Pump (By-Pass) (Not Shown)	
327	2720341	1	Horn, Rubber Air	
328	1600363	1	Module, EPM (SN 0300073348 to SN 0300077500) (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)	
329	7027402	1	Belt, Drive (was p/n 7019979)	
330	7019925	1	PCV Valve (Not Shown)	
331	7019930	1	Coil, Ignition (Not Shown)	
	7022157	1	Wire Set, Spark Plug (Not Shown)	
	7019932	4	Spark Plug (Not Shown)	
332	7022151	1	Cap, Oil Fill	
333	70002567	1	Tensioner, Belt	
334	7022150	1	Belt, Timing	

	3124114	1	Service Manual, Ford EFI System Diagnostic	
	0272816	Ref	ENGINE FUEL PUMP ASSEMBLY	A
401	0641405	2	Bolt 1/4in-20NC x 5/8in	
402	0641606	4	Bolt 3/8in-16NC x 3/4in	
403	1320022	1	Clamp, Hose	
404	2720058	4in/10cm	Hose 5/16in	
405	2720472	1	Hose, High Pressure	
406	2820018	AR	Tubing, Heat Shrink	
407	3311401	2	Nut 1/4in-20NC	
408	3311605	4	Locknut 3/8in-16NC	

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FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

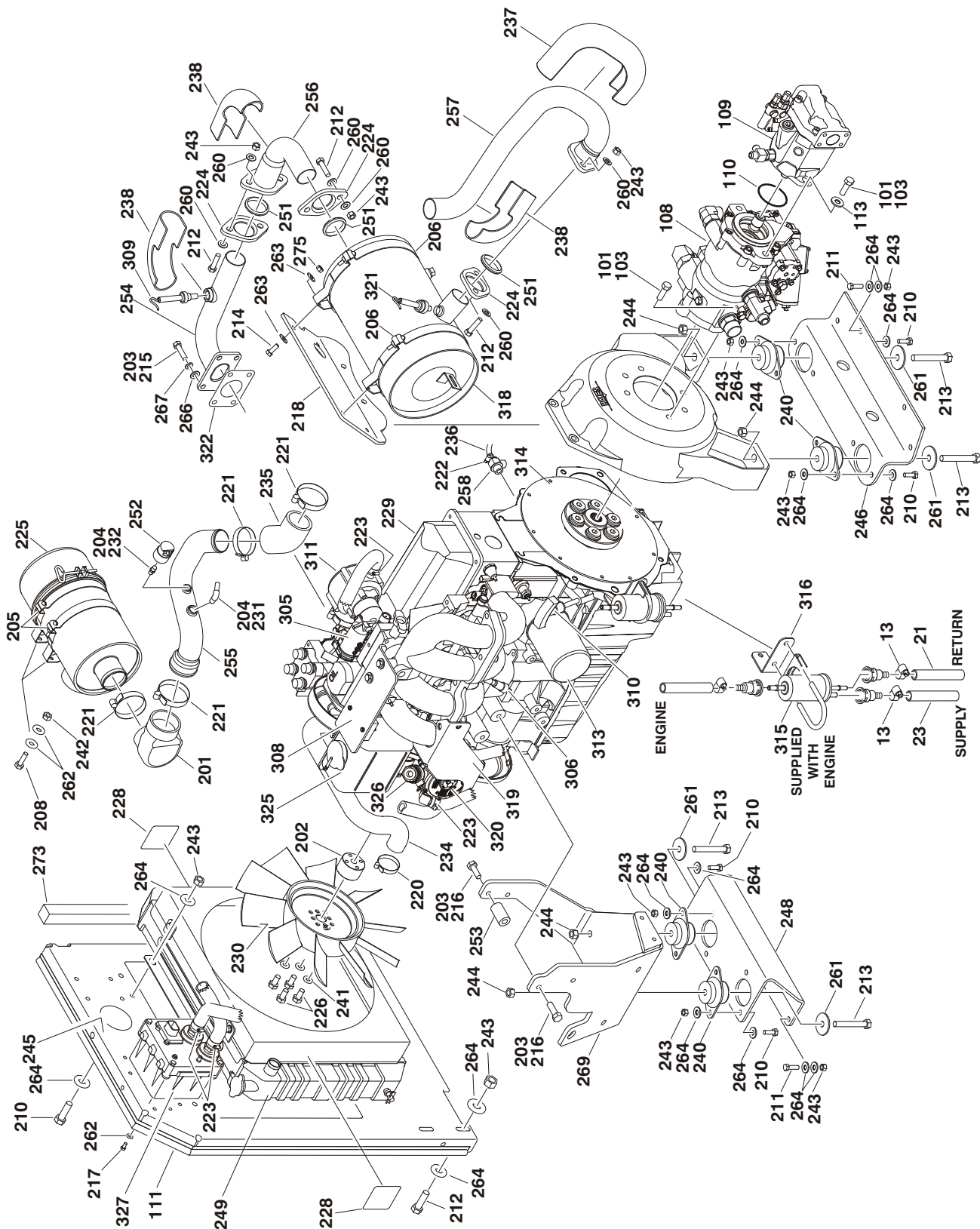
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
409	3574219	1	Housing, Fuel Pump Potting	
410	3574220	1	Plate, Pump Slide	
411	3574221	1	Plate, Pump Bottom	
412	3600377	1	Pump, Fuel Bosch	
413	4460227	2	Pin, Contact	
414	4460424	1	Connector, Male- 2 Position	
415	4711400	2	Flatwasher 1/4in	
416	4711600	6	Flatwasher 3/8in	
417	4891400	2	Flatwasher 1/4in (Hardened)	
	0258570	Ref	MUFFLER INSTALLATION - SPARK ARRESTING	
501	3220113	1	Muffler	2
	70001017	1	Clamp	
502	0902309	1	Bracket, Muffler	
503	4845667	1	Tube, Exhaust	
504	3900232	5	Bolt, Button Head 3/8in-16NC x 1-1/4in	
505	4751600	7	Flatwasher 3/8in	
506	3311601	5	Nut 3/8in-16NC	
507	0100011	AR	Compound, Locking	
508	0902472	1	Bracket, Exhaust Support	
509	4567073	1	Tube, Exhaust	
	70001017	1	Clamp	
510	4846817	1	Spark Arrestor	
511	0340046	2	Band	
512	0641507	4	Bolt 5/16in-18NC x 7/8in	
513	4711500	8	Flatwasher 5/16in Narrow	
514	3311505	4	Locknut 5/16in-18NC	

FIGURE 2-13. FORD ENGINE INSTALLATION - UL MACHINES (SN 0300069000 TO SN 0300077500) (CONTINUED)

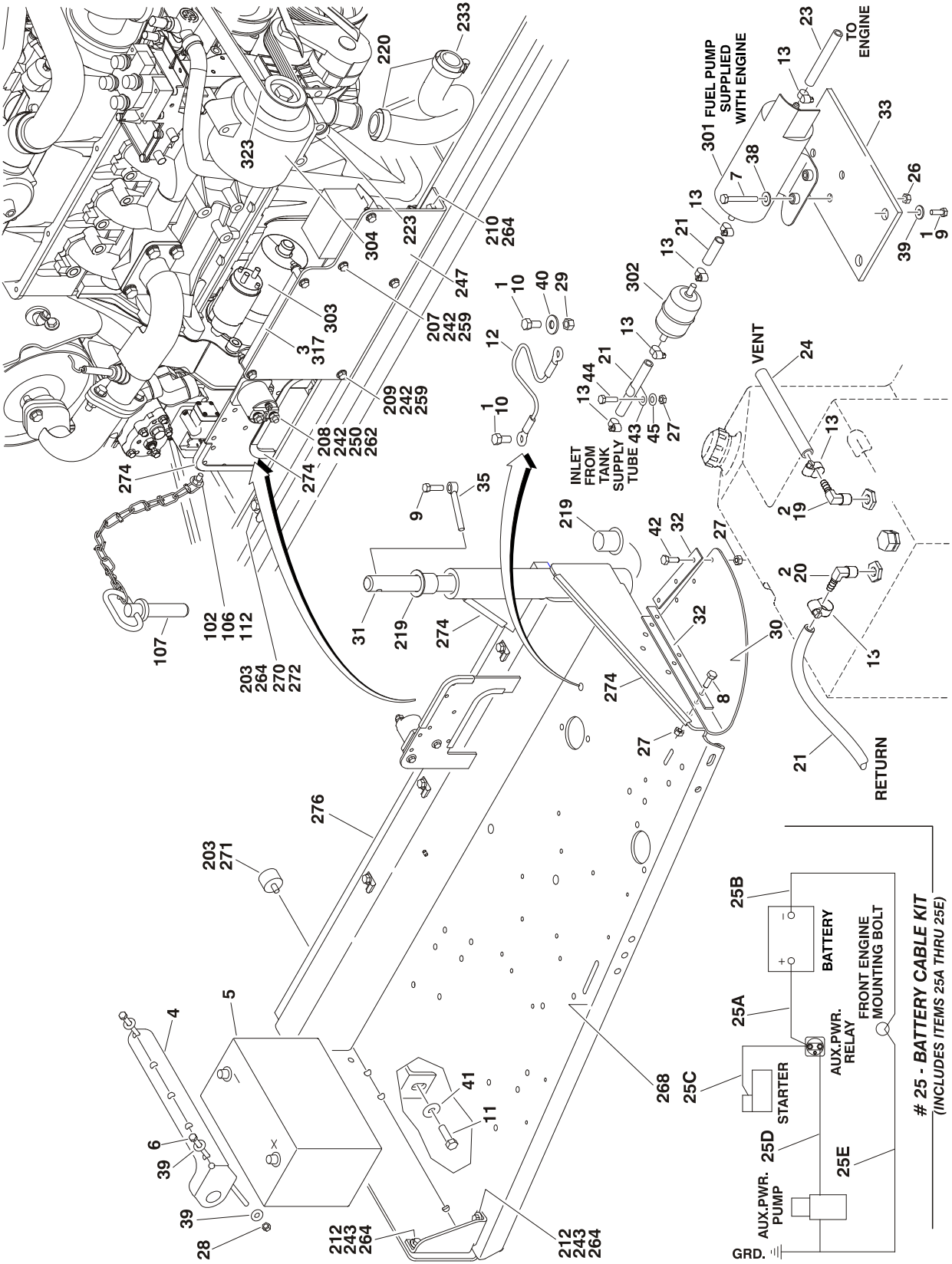
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-14. FORD ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)



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FIGURE 2-14. FORD ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ENGINE INSTALLATION	
	0274024	Ref	SN 0300077500 to SN 0300087266	D
	0274624	Ref	SN 0300087266 to SN 0300140000	D
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant	
3	0100048	AR	Grease, Dielectric	
4	0181727	1	Angle, Battery Hold-Down	
5	0400075	1	Battery	
6	0630498	2	Bolt, Battery Hold-Down	
7	0641408	2	Bolt 1/4in-20NC x 1in	
8	0641508	3	Bolt 5/16in-18NC x 1in	
9	0641608	9	Bolt 3/8in-16NC x 1in	
10	0641808	2	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	
14	1701542	1	Decal - Gas (Not Shown - Located on Hood)	
15 to 18	Not Used			
19	2220313	1	Fitting, Elbow	
20	2221176	1	Fitting, Elbow	
21	2720058	12ft/3.7m	Hose, Fuel Line	
22	Not Used			
23	2720472	1	Hose, Fuel Line	
24	2720532	5ft/1.5m	Hose, Fuel Line	
25		1	Battery Cable Kit Options:	
	2901608		SN 0300077500 to SN 0300087266	C
	2902445		SN 0300087266 to SN 0300140000	A
25A		1	Cable, Battery (Red) Options:	
	7016800		SN 0300077500 to SN 0300087266	
	7016821		SN 0300087266 to SN 0300140000	
25B		1	Cable, Battery (Black) Options:	
	7016807		SN 0300077500 to SN 0300087266	
	7016822		SN 0300087266 to SN 0300140000	
25C	7016808	1	Cable (Red)	
25D	7016824	1	Cable (Red)	
25E	7016825	1	Cable (Black)	
26	3311405	2	Locknut 1/4in-20NC	
27	3311505	7	Locknut 5/16in-18NC	
28	3311605	2	Locknut 3/8in-16NC	
29	3311801	1	Nut 1/2in-13NC	
30	3380429	1	Panel, Rubber	
31	3422446	1	Pin	
32	3539957	2	Plate	
33	3572414	1	Plate, Fuel Pump Mount	
34	Not Used			
35	3841143	1	Pin, Keeper	
36	3841340	3	Rod, Hose Loop (Not Shown - Located on Turntable)	
37	Not Used			

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FIGURE 2-14. FORD ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
38	4751400	2	Flatwasher 1/4in Wide	
39	4751600	6	Flatwasher 3/8in Wide	
40	4751800	1	Flatwasher 1/2in Wide	
41	4752000	1	Flatwasher 5/8in Wide	
42	3900272	3	Screw 5/16in-18NC x 1-3/4in	
43	1320222	1	J-Clip (SN 0300087266 to SN 0300140000 Only)	
44	0641506	1	Bolt 5/16in-18NC x 3/4in (SN 0300087266 to SN 0300140000 Only)	
45	4711500	1	Flatwasher 5/16in Narrow (SN 0300087266 to SN 0300140000 Only)	
		Ref	ENGINE AND PUMP ASSEMBLY	
	2000261	Ref	SN 0300077500 to SN 0300087266	B
	2000322	Ref	SN 0300087266 to SN 0300140000	B
101	0100011	AR	Compound, Locking	
102	0641407	1	Bolt 1/4in-20NC x 7/8in	
103	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
104	Not Used			
105	2300004	2.63gal	Anti-Freeze (Not Shown)	
106	3311405	1	Locknut 1/4in-20NC	
107	3422532	1	Pin, Hitch	
108	3600400	1	Piston Pump Assembly with Fittings (See PISTON PUMP ASSEMBLY for Breakdown)	
109	3600401	1	Load Sensing Pump Assembly with Fittings	B
	2220415	1	Fitting	
	2220374	1	Fitting	
	3600278	1	Pump Assembly	
	7018995	1	Seal Kit - 3600278 Pump	
	7024918	1	Seal, Shaft	
	7024930	1	Valve Assembly Kit - 3600278 Pump	
110	3790044	1	O-Ring	
111	3960389	5ft/1.5m	Seal	
112	4751400	1	Flatwasher 1/4in (Wide)	
113	4891600	2	Flatwasher, Hardened	
		Ref	ENGINE ASSEMBLY	
	2000211	Ref	SN 0300077500 to SN 0300087266	D
	2000296	Ref	SN 0300087266 to SN 0300140000	B
201	0080201	1	Adapter, 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	

SECTION 2 TURNTABLE

FIGURE 2-14. FORD ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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 M10 x 25mm	
216	0701014	4	Bolt M10 x 30mm	
217	0760606	4	Bolt M6 x 12mm	
218	0903079	1	Bracket, Muffler	
219	0961986	2	Bushing, Flanged	
220	1320012	4	Clamp	
221	1320016	3	Clamp	
222	1320022	1	Clamp, Hose	
223	1320033	8	Clamp, Hose	
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 M8 x 55mm	
227	4920385	7ft/2.1m	Wire, Safety (Not Shown)	
228	1703162	2	Decal - Caution Fan Blade	
229	2000272	1	Engine (See Items 301-326 for Engine Components)	
230	2060025	1	Fan	
231	2180467	1	Fitting	
232	2180798	1	Fitting, Restriction Indicator (SN 0300069000 to SN 0300087266 Only)	
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	Not Used			
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 0300069000 to SN 0300087266 Only)	
253	4566605	1	Tube, Spacer	
254	4567879	1	Tube, Exhaust	
255		1	Tube, Intake Options:	
	4568951		SN 0300077500 to SN 0300087266	
	4569173		SN 0300087266 to SN 0300140000	
256	4569083	1	Tube, Exhaust	

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FIGURE 2-14. FORD ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
257	3460398	1	Pipe, Exhaust	B
258	4640989	1	Valve, Oil Drain	
259	4711400	12	Flatwasher 1/4in (Narrow)	
260	4711600	12	Flatwasher 3/8in (Narrow)	
261	4740274	4	Washer, Snubbing	
262	4751400	14	Flatwasher 1/4in (Wide)	
263	4751500	8	Flatwasher 5/16in (Wide)	
264	4751600	51	Flatwasher 3/8in (Wide)	
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)	
	7022134	1	Harness, Fuel Pump (Not Shown)	
302	91083218	1	Filter, Fuel (was p/n 7022135)	
303	7012679	1	Starter (was p/n 7027408)	
304	7019977	1	Alternator with Regulator & Pulley	
	7000897	1	Alternator without Regulator & Pulley	
305	7023683	1	Actuator, Throttle	
	7027404	1	Gasket, Actuator (Not Shown)	
306	7019996	1	Sensor, Air Temperature (was p/n 7023661)	
307	7023681	1	Harness, Engine Control (was p/n 7027403) (Not Shown)	
308	7022139	1	Sensor, MAP	
309	7023682	1	Sensor, EGR	
310	2420187	1	Dipstick (was p/n 7022140)	
	4564281	1	Tube, Dipstick	
311	7027400	1	Mixer Assembly	
312	Not Used			
313	7021868	1	Filter, Oil (was p/n 7022147, 7021869 & 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	

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FIGURE 2-14. FORD ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

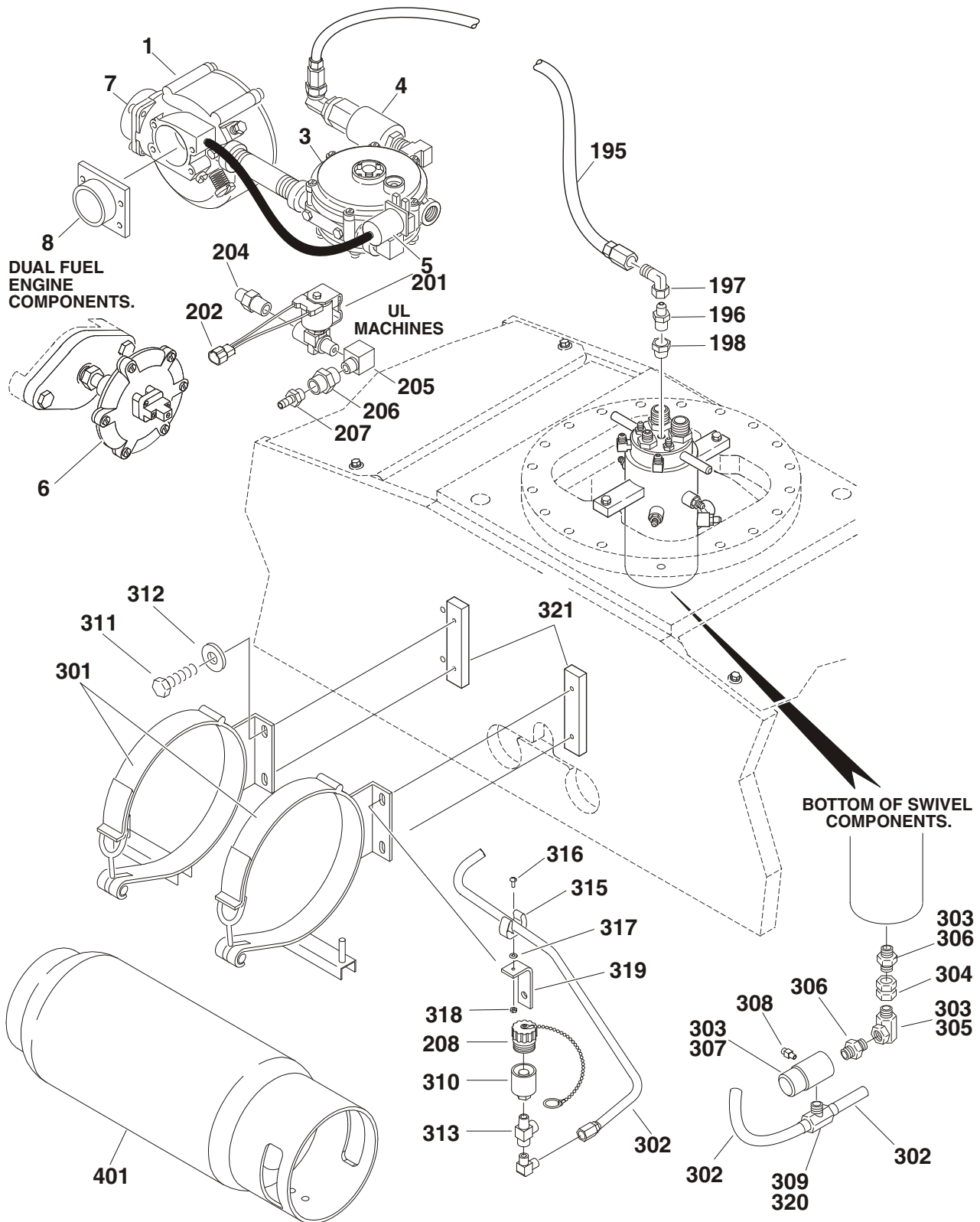
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
320	7023698	1	Regulator, LP	
321	7019994	1	Sensor, EGR (was p/n 7027406)	
322	70002307	1	Gasket, Exhaust (Manifold to Pipe)	
	7022143	1	Gasket, Exhaust (Manifold to Cylinder Head) (was p/n (7027401) Not Shown)	
323	7027402	1	Belt, Drive	
324	7027405	4	Spark Plug (Not Shown)	
325	1580011	1	Bottle, Overflow	
326	7027409	1	LP Filter Shutoff W/Leads	
327	7023699	1	Megajector	
	7027410	1	Harness, Megajector	
	70001690	1	Hose Kit - Megajector	
328	7019925	1	PCV Valve (Not Shown)	
329	7022155	1	Sensor, Water Temperature (Not Shown)	

FIGURE 2-14. FORD ENGINE INSTALLATION (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-15. DUAL FUEL INSTALLATION (GAS MACHINES OPTIONS)



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FIGURE 2-15. DUAL FUEL INSTALLATION (GAS MACHINES OPTIONS)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DUAL FUEL ENGINE COMPONENTS (FORD ENGINE MACHINES)	
		Ref	NOTE: For GM Engine Machines Refer to GM Engine Installation.	
	2000174	Ref	SN 0300069000 to SN 0300073348	B
	2000193	Ref	SN 0300073348 to SN 0300077500	B
	See Note	Ref	SN 0300077500 to SN 0300140000 (Note: See Ford Engine Installation (SN 0300077500 to SN 0300140000) for Components)	
	7023665	1	Dual Fuel Conversion Kit (Note: Includes hose, fittings, clamps and items indented below. For replacement hose, fittings and clamps supply locally.)	
1	7022165	1	Mixer	
	7022171	1	Repair Kit - 7022165 Mixer	
	7023645	1	Gasket, Mixer	
2	Not Used			
3	7022167	1	Convertor	
	7022170	1	Repair Kit - 7022167 Convertor	
4	Use 7023680	1	Filter, LP Shut-Off with Harness (was p/n 7022169)	
	Use 7023680	1	Electrical Connector Kit (No Longer Available - was p/n 7023679)	
5	7022168	1	Valve, Solenoid	
6	4360188	1	Switch, Vacuum	
7	7023603	1	Adapter	
	7023659	1	Gasket	
7	7023660	4	Screw M6 x 14mm	
8	7022166	1	Adapter	
		Ref	DUAL FUEL COMPONENTS (FORD ENGINE MACHINES)	
		Ref	NOTE: For GM Engine Machines Refer to GM Engine Installation.	
	0271366	Ref	Dual Fuel - Non-U/L (SN 0300069000 to SN 0300073348)	2/B
	0272831	Ref	Dual Fuel - Non-U/L (SN 0300073348 to SN 0300077500)	4/C
	0274024	Ref	Dual Fuel - Non-U/L (SN 0300077500 to SN 0300087266)	D
	0274624	Ref	Dual Fuel - Non-U/L (SN 0300087266 to SN 0300140000)	C
	0272708	Ref	Dual Fuel - UL (SN 0300069915 to SN 0300077500)	4/D
	0274195	Ref	LPS - UL (SN 0300079153 to SN 0300077500)	2/B
101 to 189	Not Used			
190	4360336	1	Toggle, Switch (Not Shown - Located on Console Box)	
191	3790012	1	O-Ring (Not Shown - Located on Console Box)	
192	1701543	2	Decal-LPG (Not Shown - See Decal Installation)	
193	1700818	2	Decal- Liquid Withdrawal System (Not Shown - See Decal Installation)	
194	1701543	1	Decal - LP (Not Shown - Located on Frame)	
195	2720392	1	Hose	
196	2180418	1	Fitting, Straight	
197	2220064	1	Fitting, Elbow (SN 0300069000 to SN 0300069325)	
198	2220005	1	Fitting, Reducer	

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FIGURE 2-15. DUAL FUEL INSTALLATION (GAS MACHINES OPTIONS) (CONTINUED)

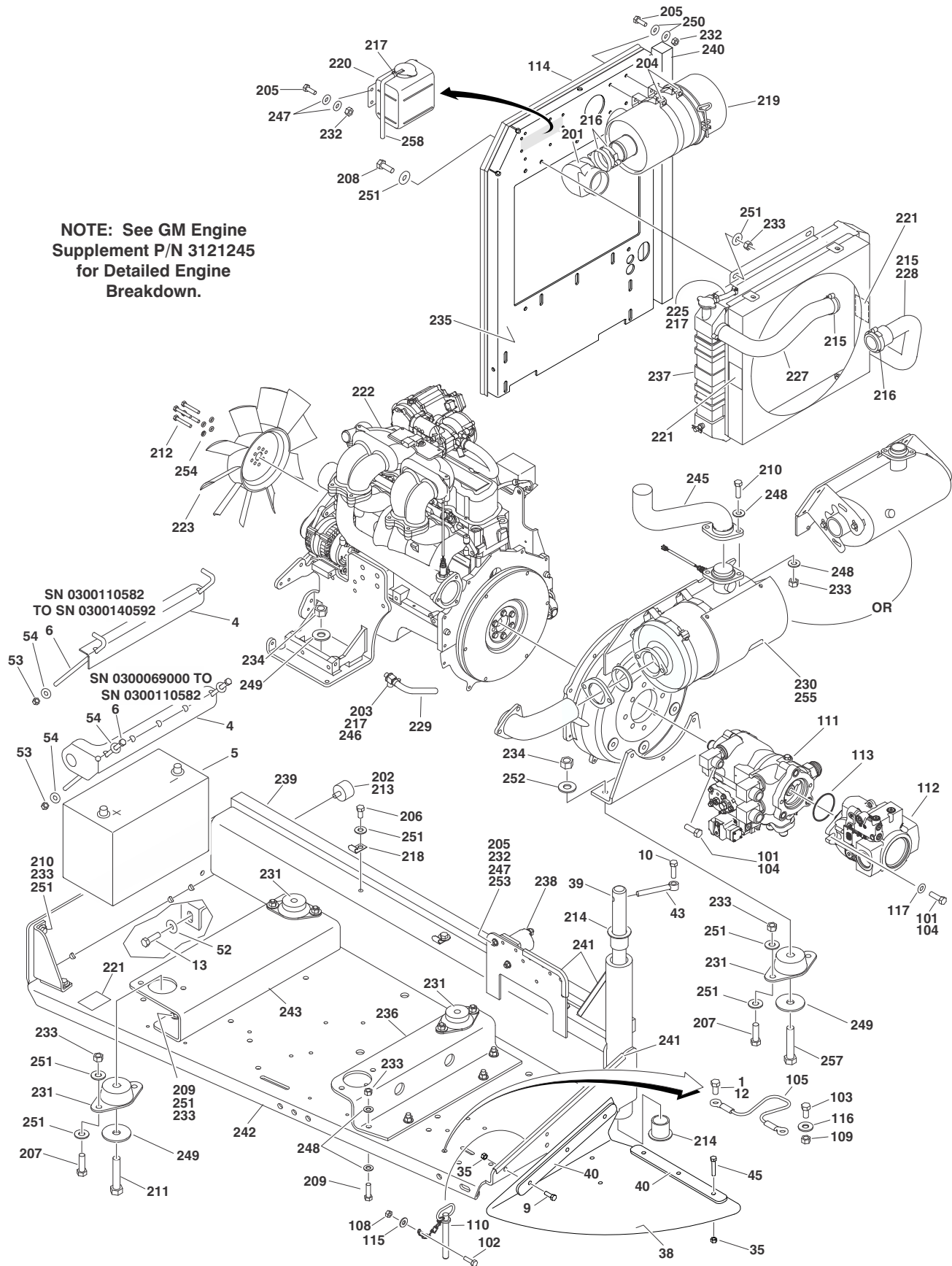
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
199 to 200	Not Used			
201	4641261	1	Valve, Solenoid - UL Machines	
202	4460897	1	Connector, Male- 2 Position - UL Machines	
203	Not Used			
204	2221151	1	Fitting - UL Machines	
205	2221152	1	Fitting, Elbow - UL Machines	
206	2221153	1	Fitting - UL Machines	
207	2180536	1	Fitting - UL Machines	
208	2180825	2	Plug, LP Hose (Not Shown) (LPS Engine Only)	
	0255524	Ref	LP TANK AND BRACKETS INSTALLATION	9/F
301	1320220	2	Clamp Kit - LP	
	1320127	2	Clamp, Toggle (1 Per Clamp)	
302	2720144	2	Hose	
303	0100020	AR	Sealant, Pipe	
304	2221197	1	Fitting, Reducer	
305	2180125	1	Fitting - Elbow	
306	2220261	2	Fitting, Nipple	
307	2180388	1	Filter, Bulkhead	
308	2180389	1	Valve, Relief	
309	2220418	1	Fitting, Tee	
310	2180387	2	Fitting, LP Tank	
311	0641606	8	Bolt 3/8in-16NC x 3/4in	
312	4751600	8	Flatwasher 3/8in	
313	2180418	2	Fitting, Straight	
314	Not Used			
315	1320218	2	Clamp, Spring	
316	3910808	2	Screw, Machine #8-32NC x 1/2in	
317	4750800	4	Flatwasher #8	
318	3310805	2	Locknut #8-32NC	
319	0181949	2	Support, Angle	
320	2221024	2	Fitting, Ball Check	
321	0362519	4	Bar, Clamp	
401		1	TANK, LP OPTIONS:	
	4400275		Aluminum	
	4400420		Steel	

FIGURE 2-15. DUAL FUEL INSTALLATION (GAS MACHINES OPTIONS) (CONTINUED)

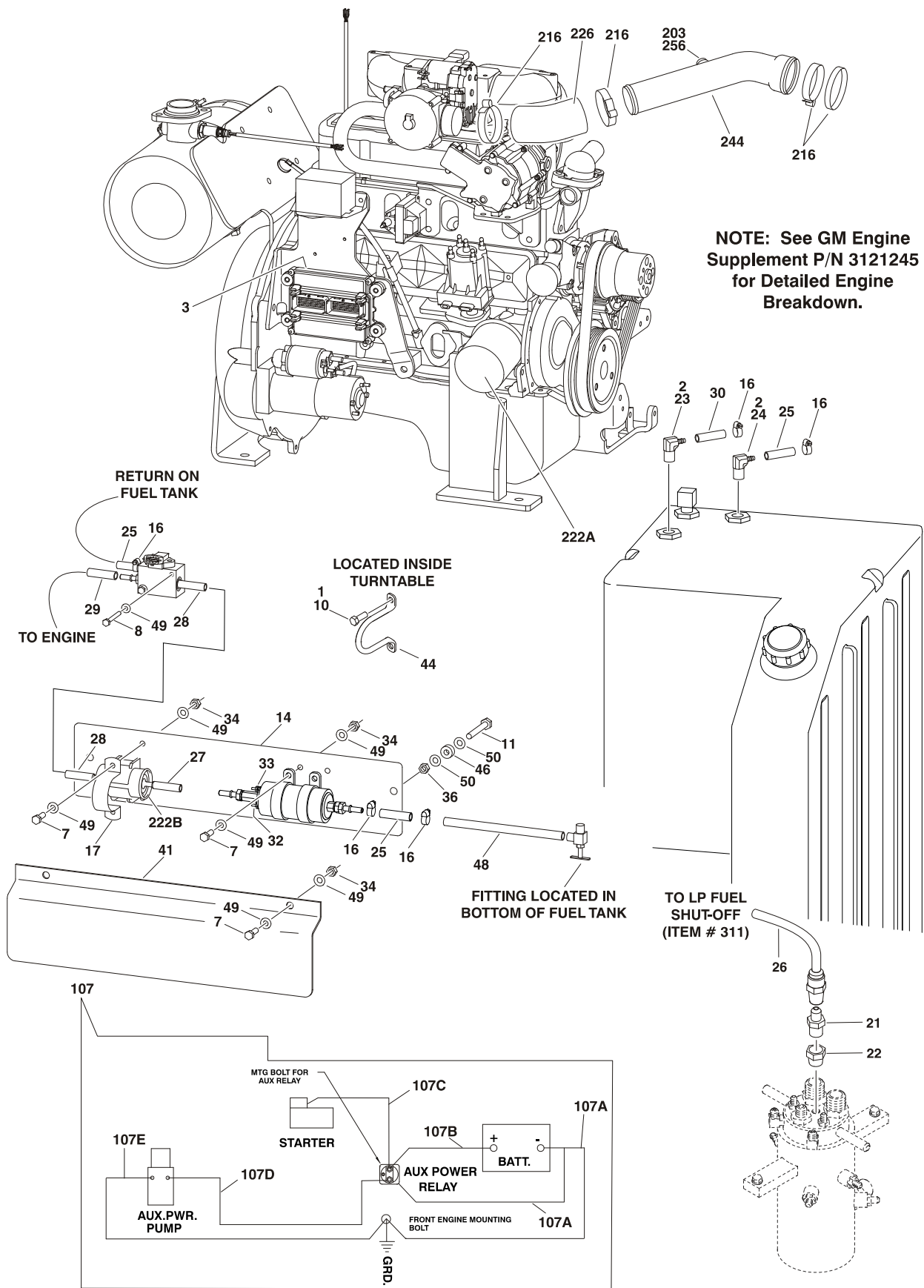
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300069000 TO SN 0300140000)



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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300069000 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GM ENGINE INSTALLATIONS	
		Ref	Without Arctic Package	
	0275386	Ref	Engine, GM 3.0L (SN 0300069000 to SN 0300109494)	D
	1001091638	Ref	Engine, GM 3.0L Tier2 (SN 0300109494 to SN 0300121643)	D
	1001095363	Ref	Engine, GM 3.0L Tier2 (SN 0300121643 to SN 0300140000)	E
		Ref	With Arctic Package	
	10011111357	Ref	Engine, GM 3.0L Tier2	B
1	0100011	AR	Compound, Locking	
2	0100020	AR	Sealant, Pipe	
3	0100048	AR	Grease, Dielectric	
4		1	Hold-down, Battery Options:	
	0181727		SN 0300069000 to SN 0300110582	
	91401281		SN 0300110582 to SN 0300140000	
5	0400075	1	Battery (Wet)	
6		2	Bolt, Battery Hold-down Options:	
	0630498		SN 0300069000 to SN 0300110582	
	1001093382		SN 0300110582 to SN 0300140000	
7	0641406	AR	Bolt 1/4in-20NC x 3/4in	
8	0641416	2	Bolt 1/4in-20NC x 2in	
9	0641508	3	Bolt 5/16in-18NC x 1in (SN 0300069000 to SN 0300098458)	
10	0641608	7	Bolt 3/8in-16NC x 1in	
11	0641612	2	Bolt 3/8in-16NC x 1-1/2in	
12	0641808	1	Bolt 1/2in-13NC x 1in	
13	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
14	0903510	1	Bracket, Fuel Pump Filter	
15	Not Used			
16	1320022	AR	Clamp, Fuel Line	
17	1320323	1	Clamp	
18	1701542	1	Decal, Gas (Not Shown)	
19	1701543	2	Decal, LPG (Not Shown)	
20	Not Used			
21	2180418	1	Fitting, Straight	
22	2220005	1	Fitting, Straight	
23	2220313	1	Fitting, Elbow Barbed (SN 0300069000 to SN 0300109494)	
24	2221176	1	Fitting, Elbow	
25		5.25ft/1.6m	Hose, Fuel Line Options:	
	2720058		SN 0300069000 to SN 0300109494	
	1001091587		SN 0300109494 to SN 0300140000	
26	2720392	1	Hose, LP	
27	2720566	1	Hose, Hi Pressure Fuel Line (6in/15cm Length)	
28	2720567	1	Hose, Hi Pressure Fuel Line (4ft/1.2m Length)	
29	2720580	2	Hose	
30	2750532	5ft/1.5m	Hose (SN 0300069000 to SN 0300109494)	
31	Not Used			
32	3290405	1	Locknut M4 x 0.7	
33	3290505	1	Locknut M5 x 0.8	
34	3311405	AR	Locknut 1/4in x 20NC	
35	3311505	6	Locknut 5/16in-18NC (SN 0300069000 to SN 0300098458)	

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300069000 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
36	3311605	AR	Locknut 3/8in-16NC	
37	Not Used			
38	3380429	1	Panel, Rubber (SN 0300069000 to SN 0300098458)	
39	3422446	1	Pin	
40	3539957	2	Plate, Hold Down (SN 0300069000 to SN 0300098458)	
41	3576755	1	Cover, Fuel Pump (SN 0300069000 to SN 0300097306)	
42	3790012	1	O-Ring (Not Shown - Located in Console Box)	
43	3841143	1	Keeper	
44	3841340	3	Rod, Hose Loop	
45	3900272	3	Screw 5/16in-18NC x 1-3/4in (SN 0300069000 to SN 0300098458)	
46	4071122	2	Shim	
47	4360336	1	Switch, Toggle (Not Shown - Located in Console Box)	
48	4569385	1	Tube, Fuel Line	
49	4711400	AR	Flatwasher 1/4in Narrow	
50	4751600	AR	Flatwasher 3/8in Wide	
51	4751800	1	Flatwasher 1/2in Wide	
52	4752000	1	Flatwasher 5/8in Wide	
53		2	Locknut Options:	
	3311605		Locknut 3/8in-16NC (SN 0300069000 to SN 0300110582)	
	3311505		Locknut 5/16in-18NC (SN 0300110582 to SN 0300121643)	
	88521205		Locknut 5/16in-18NC (SN 0300121643 to SN 0300140000)	
54		AR	Flatwasher Options:	
	4751600	4	Flatwasher 3/8in Wide (SN 0300069000 to SN 0300110582)	
	4751500	2	Flatwasher 5/16in Wide (SN 0300110582 to SN 0300140000)	
55	Not Used			
56		2.63gal.	Anti-Freeze Options (Not Shown):	
	2300004		Without Arctic Package	
	2300041		With Arctic Package	
57 to 60	Not Used	Ref	Note: Arctic Package Items 61 - 71 Not Shown - Used on Arctic Machines Only	
61	1060625	1	Cable, Immersion Heater (Located on Bottom of Hydraulic Oil Tank)	
62	1060626	1	Cord, 3 Way Extension (Located on Left Front of Engine)	
63	1320223	AR	Clamp	
64	1702941	1	Decal - Battery Heater (Located on Battery Heater)	
65	1702942	1	Decal - Engine Block Heater (Located on Right Side of Engine)	
66	1702943	1	Decal - Hydraulic Tank Heater (Located on Bottom of Hydraulic Oil Tank)	
67	1702944	1	Decal - Heater Cord (Located on Left Front of Engine)	
68	2580024	1	Heater, Battery (Located on Battery)	
69	2580050	1	Heater, Hydraulic Tank (Located on Bottom of Hydraulic Oil Tank)	
70	2580063	1	Heater, Engine Block	
71	3980007	1	Seat, Battery (Located on Battery)	

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300069000 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GM ENGINE AND PUMP SUB-ASSEMBLIES:	
		Ref	Without Arctic Package	
	2000378	Ref	Engine, GM 3.0L (SN 0300069000 to SN 0300109494)	B
	1001091637	Ref	Engine, GM 3.0L Tier2 (SN 0300109494 to SN 0300121643)	B
	1001095364	Ref	Engine, GM 3.0L Tier2 (SN 0300121643 to SN 0300140000)	E
		Ref	With Arctic Package	
	1001111356	Ref	Engine, GM 3.0L Tier2	B
101	0100011	AR	Compound, Locking	
102	0641407	1	Bolt 1/4in-20NC x 7/8in	
103	0641808	1	Bolt 1/2in-13NC x 1in	
104	0641812	4	Bolt 1/2in-13NC x 1-1/2in	
105	1060637	1	Cable, Lanyard	
106	Not Used			
107	2902533	1	Battery Cable Kit	B
107A	7027018	1	Cable (Battery - to Ground)	
107B	7027015	1	Cable (Battery + to Auxiliary Relay)	
107C	7016825	1	Cable (Auxiliary Relay to Starter)	
107D	7016824	1	Cable (Auxiliary Relay to Auxiliary Pump)	
107E	7027017	1	Cable (Ground to Auxiliary Pump)	
108	3311405	1	Locknut 1/4in-20NC	
109	3311805	1	Locknut 1/2in-13NC	
110	3422532	1	Pin, Hitch	
111	3600400	1	Piston Pump Assembly with Fittings (See PISTON PUMP ASSEMBLY for Breakdown)	
112		AR	Gear Pump Assembly with Fittings Options:	
	3600401	1	Gear Pump (Rexroth) (SN 0300069000 to SN 0300121643)	C
	2220415	1	Fitting	
	2220374	1	Fitting	
	3600278	1	Pump, Displacement	
	7018995	1	Seal Kit - 3600278 Pump	
	7024918	1	Seal, Shaft	
	7024930	1	Valve Assembly Kit - 3600278 Pump	
	1001095354	1	Gear Pump (Sauer Danfoss) (SN 0300121643 to SN 0300140000)	A
	2220415	1	Fitting	
	1001094595	1	Pump, Displacement	
	7023967	1	Seal Kit - 1001094595 Pump	
	7023956	1	Valve Assembly Kit - 1001094595 Pump	
113	3790044	1	O-Ring	
114	3960389	1	Seal	
115	4751400	1	Flatwasher 1/4in (Wide)	
116	4751800	1	Flatwasher 1/2in Wide	
117	4891800	2	Flatwasher, Hardened	

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300069000 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GM ENGINE ASSEMBLIES:	
		Ref	Without Arctic Package	
	2000375	Ref	Engine, GM 3.0L (SN 0300069000 to SN 0300109494)	E
	1001091632	Ref	Engine, GM 3.0L Tier2 (SN 0300109494 to SN 0300140000)	E
		Ref	With Arctic Package	
	1001111355	Ref	Engine, GM 3.0L Tier2	B
201	0080201	1	Fitting, Elbow	
202	0100011	AR	Compound, Locking	
203	0100020	AR	Sealant, Pipe	
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	AR	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, GM 3.0L Options (See GM Engine Supplement P/N 3121245 for Detailed Engine Breakdown):	
	2000354		Without Arctic Package (SN 0300069000 to SN 0300109494)	
	1001091583		Without Arctic Package (SN 0300109494 to SN 0300140000)	
	1001111353		With Arctic Package	
	70000164	4	Plug, Spark (Not Shown)	
222A	7027965	1	Filter, Oil	
222B	7027972	1	Filter, Fuel	
223	2060025	1	Fan	
224	Not Used			
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		SN 0300069000 to SN 0300136497	
	Use 2750532		SN 0300136497 to SN 0300140000 (was p/n 1001091892)	

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FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300069000 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
230	2820180 1001091794	1	Muffler, Insulation Options: Engine, GM 3.0L (SN 0300069000 to SN 0300109494) Engine, GM 3.0L Tier2 (SN 0300109494 to SN 0300140000)	
231	3200362	4	Mount, Engine	
232	3311405	10	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	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	4640952 Use 4640952	1	Valve, Oil Drain Options: SN 0300069000 to SN 0300136497 SN 0300136497 to SN 0300140000 (was p/n 1001105872)	
247	4711400	12	Flatwasher 1/4in Narrow	
248	4711600	12	Flatwasher 3/8in Narrow	
249	4740274	4	Flatwasher, Snubbing	
250	4751400	8	Flatwasher 1/4in Wide	
251	4751600	43	Flatwasher 3/8in Wide	
252	4751800	2	Flatwasher 1/2in Wide	
253	4791400	2	Starwasher 1/4in	
254	4831900	4	Lockwasher 8mm	
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	

FIGURE 2-16. GM ENGINE INSTALLATION (SN 0300069000 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-17. PISTON PUMP ASSEMBLY

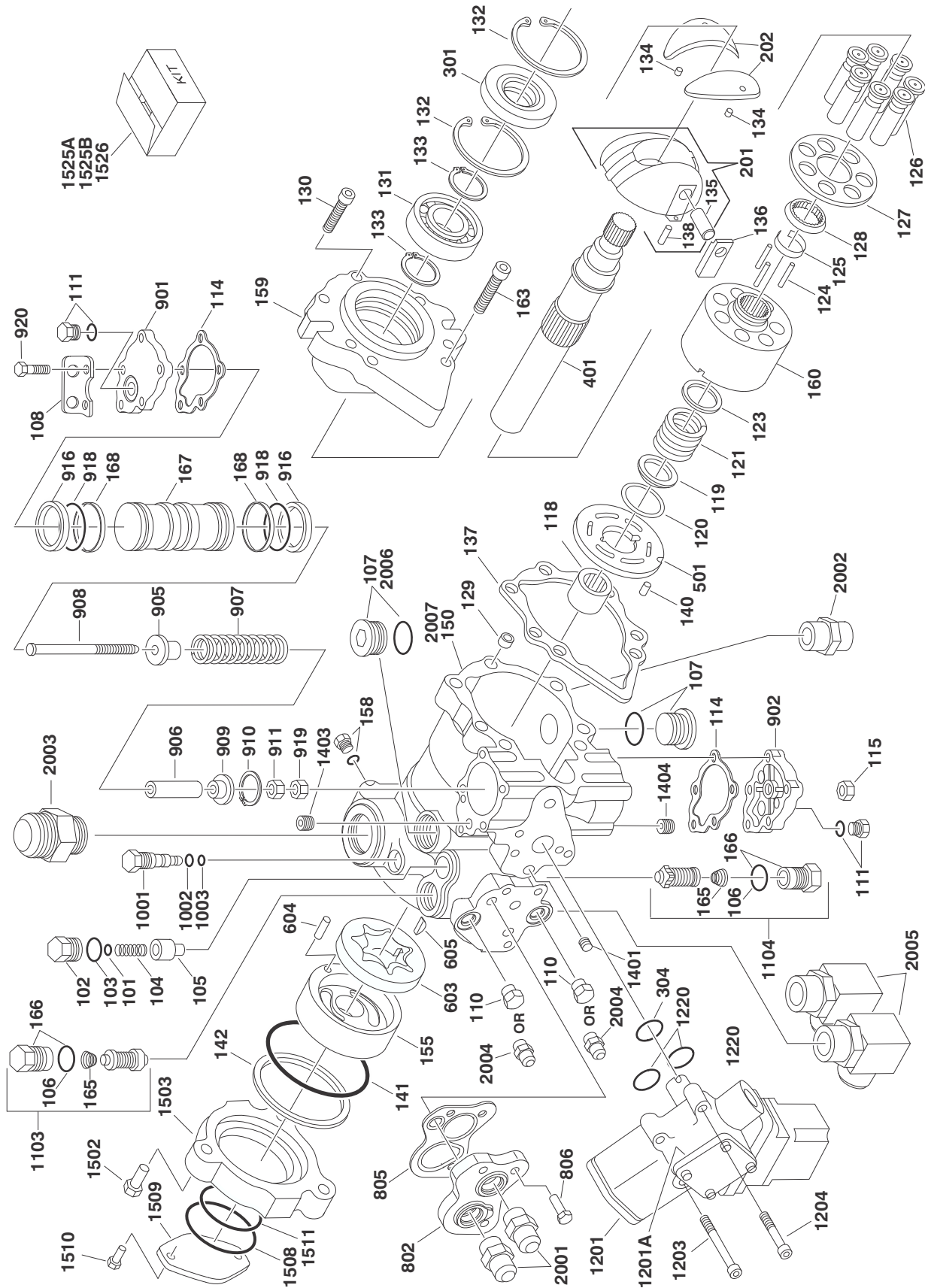


FIGURE 2-17. PISTON PUMP ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	3600295	Ref	PISTON PUMP ASSEMBLY	A
1 to 100	Not Used			
101	7007413	1	Shim Kit	
102	7007414	1	Plug	
103	See Note	1	O-Ring (Note: Use Item 1525A.)	
104	7021200	1	Spring, Relief Valve	
105	7007417	1	Valve, Relief	
106	See Note	2	O-Ring (Note: Use Item 1525A.)	
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	See Note	2	Gasket, Servo Cover (Note: Use Item 1525A.)	
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	
136	7007442	1	Sleeve, Bearing	
137	See Note	1	Gasket, Front Cover (Note: Use Item 1525A.)	
138	7021205	1	Pin	
139	Not Used			
140	7007446	1	Pin	
141	See Note	1	O-Ring (Note: Use Item 1525A.)	
142	See Note	1	Ring, Load Temper (Note: Use Item 1525A.)	
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	
166	7021209	2	Plug, SCR	
167	7007494	1	Piston, Servo	
168	See Note	2	Bearing (Note: Use Item 1525A.)	
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	See Note	1	Seal, Lip (Note: Use Item 1525A.)	
302 to 303	Not Used			
304	See Note	1	O-Ring (Note: Use Item 1525A.)	
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	See Note	1	Seal, Filter Adapter (Note: Use Item 1525A.)	
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 Item 1525A or 1525B.)	
917	Not Used			
918	See Note	2	O-Ring (Note: Use Item 1525A or 1525B.)	
919	7021206	1	Nut	
920	7021223	10	Screw	
921 to 1000	Not Used			
1001	7007472	1	Valve, Bypass	
1002	See Note	1	Ring, Back-up (Note: Use Item 1525A.)	
1003	See Note	1	O-Ring (Note: Use Item 1525A.)	

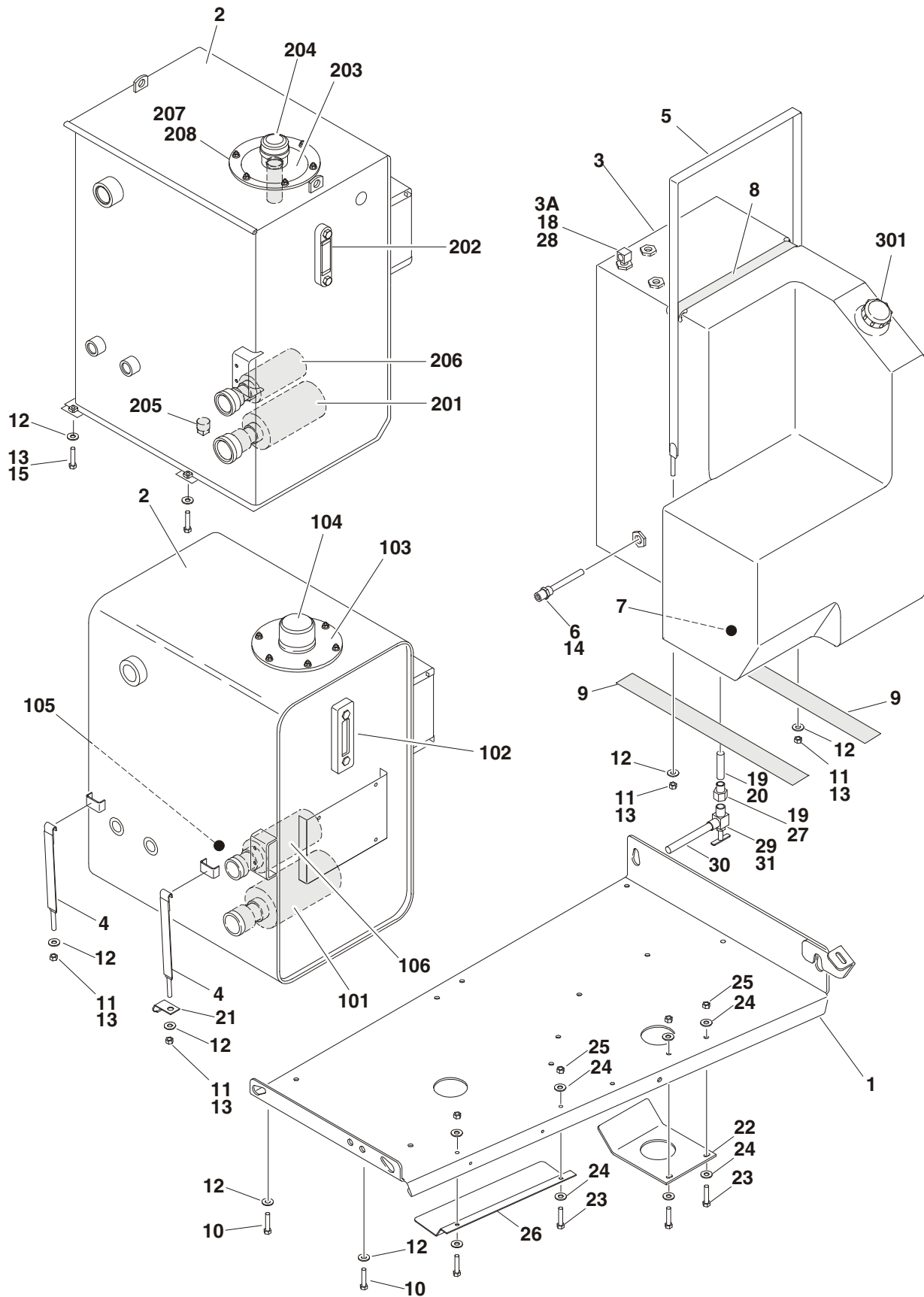
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FIGURE 2-17. PISTON PUMP ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
1004 to 1102	Not Used			
1103	7010122	1	SCR Kit (Includes Items 166, 106 & 165)	
1104	7010122	1	SCR Kit (Includes Items 166, 106 & 165)	
1105 to 1200	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, Cover	
1202	Not Used			
1203	7007478	2	Screw	
1204	7001498	2	Screw	
1205 to 1219	Not Used			
1220	See Note	2	O-Ring (Note: Use Item 1525A.)	
1221 to 1400	Not Used			
1401	7007475	1	Plug, Orifice/Screen (.156)	
1402	Not Used			
1403	7021226	1	Plug, Orifice	
1404	7021226	1	Plug, Orifice	
1405 to 1501	Not Used			
1502	7007453	3	Screw	
1503	7021227	1	Adapter, Flange	
1504 to 1507	Not Used			
1508	7021228	1	O-Ring	
1509	7021229	1	Plate, Cover	
1510	7021230	2	Screw	
1511	7021231	1	O-Ring	
1512 to 1524	Not Used			
1525		1	Seal Kit Options:	
1525A	7021232		Seal Kit, Complete (Includes Items 103, 106, 114, 137, 141, 142, 168, 301, 304, 805, 916, 918, 1002, 1003 & 1220)	
1525B	7007412		Seal Kit, Servo Piston (Includes Items 916 and 918)	
1526	7010116	1	Cylinder Block Kit (Includes Items 119-128)	
	3600400	Ref	PISTON PUMP AND FITTING ASSEMBLY	C
2001	2220374	2	Fitting, Straight	
2002	2220451	1	Fitting, Straight	
2003	2220479	1	Fitting, Straight	
2004	2220582	1	Fitting, Straight (SN 0300069000 to SN 0300084618 Only)	
2005	2220646	1	Fitting, Elbow	
2006		AR	Fitting, Reducer Options:	
	2220811	1	SN 0300069000 to SN 0300138514 (Uses 1 Fitting)	
	2220221	1	SN 0300138514 to SN 0300140000 (Requires Both Fittings)	
	2220582	1	SN 0300138514 to SN 0300140000 (Requires Both Fittings)	
2007	3600295	1	Pump Assembly (Includes Items 1 - 1511)	

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FIGURE 2-18. TANK INSTALLATIONS



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FIGURE 2-18. TANK INSTALLATIONS

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TANKS INSTALLATION OPTIONS:	
	0258382	Ref	Diesel Non-UL Spec	E
	0270396	Ref	Gas Non-UL Spec Machines (SN 0300069000 to SN 0300140000)	I
	0272738	Ref	Gas UL Spec Machines (SN 0300069915 to SN 0300077500)	A
	0274197	Ref	LPS -UL Spec Machines (SN 0300079153 to SN 0300077500)	A
		Ref	Note: LPS - UL Spec Machines Use Only Items 1, 2, 4 & 9-13)	
1		1	Tray Weldment Options:	
	4845928		SN 0300069000 to SN 0300118453	
	1001091928		SN 0300118453 to SN 0300140000	
2		1	Hydraulic Tank Assy Options:	
			See Items 101-106 for Breakdown	
	4400410		Non-UL Spec Machines (SN 0300069000 to SN 0300071311)	
	4400410		UL Spec Machines	
			See Items 201-208 for Breakdown	
	4400452		Non-UL Spec Machines (SN 0300071311 to SN 0300140000)	
3		1	Tank, Fuel (Includes Non-Locking Cap)	
	4400400		Diesel	
	4400400		Gas Non-UL Spec (SN 0300069000 to SN 0300109494)	
	Use 1001117052		Gas Non-UL Spec (SN 0300109494 to SN 0300140075) (was p/n 1001091562)	
	1001111514		Gas Non-UL Spec (SN 0300140075 to SN 0300140000)	
	4400407		Gas UL Spec Only	
3A		1	Fitting and Pick-up Tube Options:	
	7019658		4400400 Tank	
	70004184		1001091562 Tank	
	70004149		1001111514 Tank	
	Not Required		4400407 Tank	
4	4240112	4	Strap, Tank (ANSI Spec Machines) (SN 0300069000 to SN 0300071311)	
	4240112	4	Strap, Tank (UL Machines)	
5	4240113	AR	Strap, Tank	
6	4360436	1	Switch, Fuel Level	
7	2200222	1	Fitting	
8	4280295	25in/44cm	Strip, Protective	
9	4420038	70in/1.78m	Tape, Rubber	
10	0641614	6	Bolt 3/8in-16NC x 1-3/4in	
11	3311601	AR	Nut 3/8in-16NC	
12	4751600	AR	Flatwasher 3/8in	
13	0100011	AR	Compound, Locking	
14	0100079	AR	Sealant	
15	0641607	4	Bolt 3/8in-16NC x 7/8in (SN 0300071311 to SN 0300140000)	
16	4751800	AR	Flatwasher 1/2in	
17	0641818	AR	Bolt 1/2in-13NC x 2-1/4in	
18	Not Used			
		Ref	Note: Items 19 - 31 Used on Gas Machines Only	
19	0100062	AR	Retaining Compound (SN 0300069000 to SN 0300073747)	

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FIGURE 2-18. TANK INSTALLATIONS (CONTINUED)

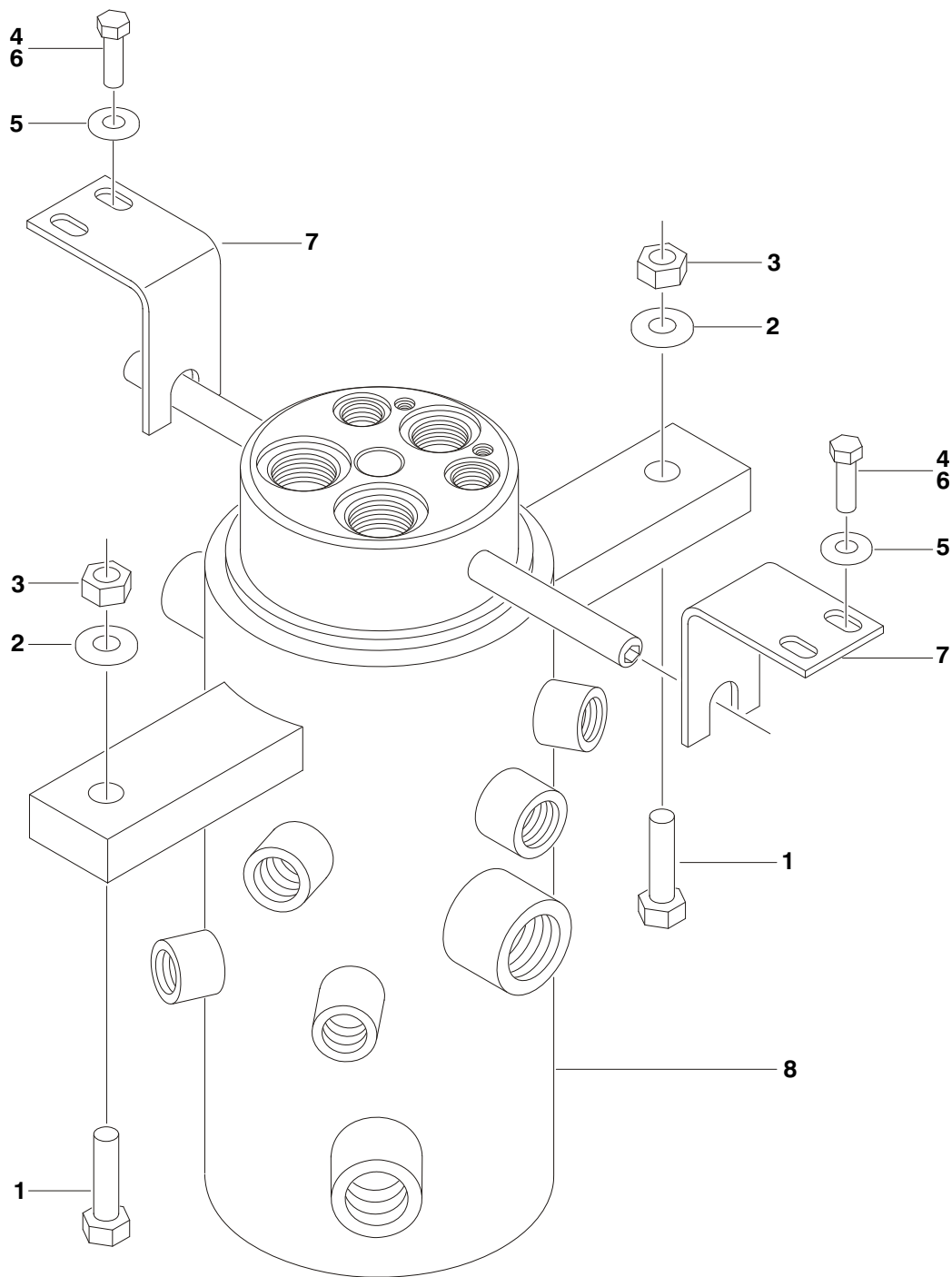
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
20	4568119	1	Tube, Fuel	
21	1320223	1	Clamp	
22	3572423	1	Plate, Valve, Needle	
23	0641508	AR	Bolt 5/16in-18NC x 1in	
24	4711500	AR	Flatwasher 5/16in	
25	3311505	AR	Locknut 5/16in-18NC	
26	3576755	1	Cover, Fuel Pump	
27	2221270	1	Fitting, Brass	
28	2200233	1	Plug	
29	4641022	1	Valve, Needle	
30	4568118	1	Tube, Fuel	
31	0100020	AR	Sealant, Pipe	
	4400410	Ref	HYDRAULIC TANK ASSEMBLY	G
101	7014818	1	Strainer 1-1/2inNPT	
102	7014802	1	Gauge, Sight	
103	7014810	1	Neck, Fill	
	7014816	1	Screen	
104	7014817	1	Breather/Fill Cap	
105	7014813	1	Plug, Magnetic	
106	7014801	1	Strainer 1-1/4inNPT	
	4400452	Ref	HYDRAULIC TANK ASSEMBLY	E
201	7024481	1	Strainer 1-1/2inNPT	
202	7024441	1	Gauge, Sight	
203	7024443	1	Neck, Fill	
	7024445	1	Screen	
204	7024444	1	Breather/Fill Cap	
205	7024446	1	Plug, Magnetic	
206	7024442	1	Strainer 1-1/4inNPT	
207	7024439	1	Cover	
208	7024440	1	Gasket	
		Ref	FUEL TANK CAP INSTALLATION	
301		1	Cap Options: Standard Non-Locking Options (Part of Item 3): Diesel Machines Gas Machines (SN 0300069000 to SN 0300109494) Gas Machines with OEM Tank (Mounts with Item 5 Strap) (SN 0300109494 to SN 0300140000) Gas Machines with Service Replacement Tank (Mounts with Item 18 Bracket) (SN 0300109494 to SN 0300140000) Optional Lockable (Gas Machines) Optional Lockable (Diesel Machines) Protectoseal (UL Spec Machines - Gas Machines)	
	7016314			
	7016314			
	70001103			
	70002716			
	1120484			
	1120487			
	1120367			

FIGURE 2-18. TANK INSTALLATIONS (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-19. ROTARY COUPLING INSTALLATION (SN 0300069000 TO SN 0300083332)



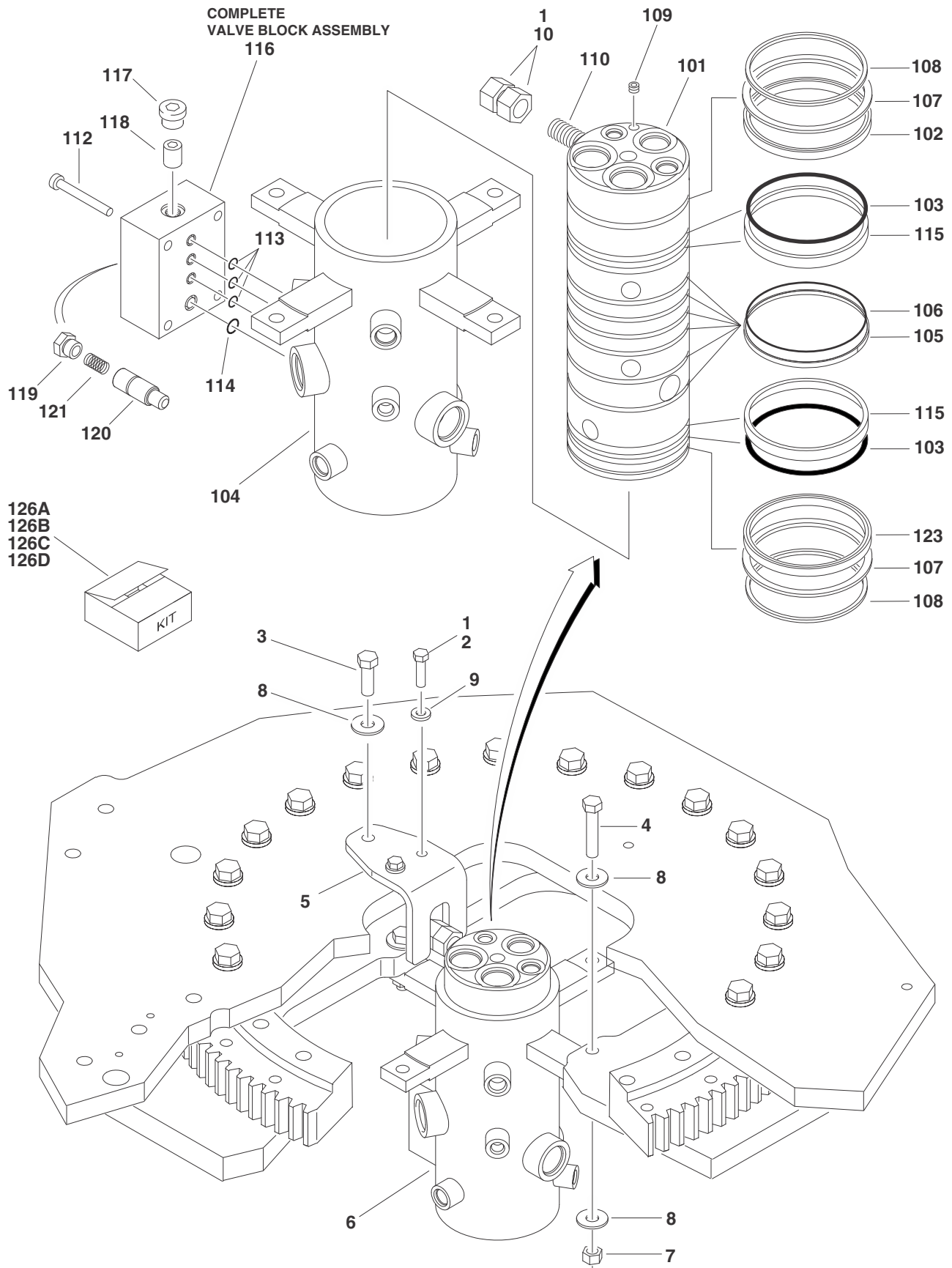
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FIGURE 2-19. ROTARY COUPLING INSTALLATION (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ROTARY COUPLING INSTALLATION (SN 0300069000 TO SN 0300083332)	
	0272354	Ref	2WS	A
	0272355	Ref	4WS	A
1	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
2	4751800	4	Flatwasher 1/2in	
3	3311805	2	Locknut 1/2in-13NC	
4	0641611	4	Bolt 3/8in-16NC x 1-3/8in	
5	4751600	4	Flatwasher 3/8in	
6	0100011	AR	Compound, Locking	
7	0902846	2	Bracket	
8		AR	Coupling, Rotary Options:	
			2WS Coupling Options:	
	1660219	1	New OEM Replacement (2WS)	
	7013187	1	Seal Kit - 1660219 Coupling (2WS)	
	1660219RR	1	Rebuilt Replacement (2WS)	
			(Note: Contact JLG Parts Dept for information.)	
			4WS Coupling Options:	
	1660223	1	New OEM Replacement (4WS)	
	7016342	1	Seal Kit - 1660223 Coupling (4WS)	
	1660223RR	1	Rebuilt Replacement (4WS)	
			(Note: Contact JLG Parts Dept for information.)	

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FIGURE 2-20. ROTARY COUPLING INSTALLATION (SN 0300083332 TO SN 0300137975)



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FIGURE 2-20. ROTARY COUPLING INSTALLATION (SN 0300083332 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ROTARY COUPLING INSTALLATION	
	0273393	Ref	2WS	C
	0273402	Ref	4WS	C
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	0903056	1	Bracket	
6		AR	Coupling, Rotary Options:	
			2WS Coupling Options:	
	Use 1660303	1	New OEM Replacement (2WS) (SN 0300083332 to SN 03000114017) (was p/n 1660257) (See Items 101-121 for Breakdown)	
	1660257RR	1	Rebuilt Replacement (2WS) (SN 0300083332 to SN 0300114017) (Note: Contact JLG Parts Dept for information to Purchase.)	
	1660303	1	New OEM Replacement (2WS)(SN 0300114017 to SN 0300137975) (See Items 101-121 for Breakdown)	
	1660303RR	1	Rebuilt Replacement (2WS) (SN 0300114017 to SN 0300137975) (Note: Contact JLG Parts Dept for information to Purchase.)	
			4WS Coupling Options:	
	Use 1660304	1	New OEM Replacement (4WS) (SN 0300083332 to SN 0300114017) (was p/n 1660258) (See Items 101-121 for Breakdown)	
	1660258RR	1	Rebuilt Replacement (4WS) (SN 0300083332 to SN 0300114017) (Note: Contact JLG Parts Dept for information to Purchase.)	
	1660304	1	New OEM Replacement (4WS)(SN 0300114017 to SN 0300137975) (See Items 101-121 for Breakdown)	
	1660304RR	1	Rebuilt Replacement (4WS) (SN 0300114017 to SN 0300137975) (Note: Contact JLG Parts Dept for information to Purchase.)	
7	3271805	2	Locknut 1/2in-13NC	
8	4751800	5	Flatwasher 1/2in	
9	4891600	4	Flatwasher 3/8in Hardened	
10	3322201	2	Locknut 3/4in x 16NF	
		Ref	ROTARY COUPLING ASSEMBLY	
	1660257		2WS (SN 0300083332 to SN 0300114017)	D
	1660303		2WS (SN 03000300114017 to SN 0300137975)	B
	1660258		4WS (SN 0300083332 to SN 0300114017)	D
	1660304		4WS (SN 0300114017 to SN 0300137975)	B
101	See Note	1	Body (Note: Not Available - Purchase Complete Assy.)	
102		1	Seal Options:	
	7026189		2WS (SN 0300083332 to SN 0300114017)	
	Use 70001248		2WS (SN 0300114017 to SN 0300137975)	
	See Note		4WS (SN 0300083332 to SN 0300137975) (Note: Use Item 126B or 126D)	

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FIGURE 2-20. ROTARY COUPLING INSTALLATION (SN 0300083332 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
103	See Note	2	O-Ring/Seal (Note: Use Item 126A, 126B, 126C or 126D)	
104	See Note	1	Housing (Note: Not Available - Purchase Complete Assy.)	
105	See Note	AR	Seal, Cap Options: (Note: Use Item 126A, 126B, 126C or 126D)	
		6	2WS	
		9	4WS	
106	See Note	AR	O-Ring Options: (Note: Use Item 126A, 126B, 126C or 126D)	
		6	2WS	
		9	4WS	
107		2	Ring Options:	
	7026503		2WS	
	7026511		4WS	
108		2	Ring, Retaining	
	7026504		2WS	
	7013189		4WS	
109		AR	Plug Options:	
	See Note	2	2WS (SN 0300083332 to SN 0300114017) (Note: Not Available - Purchase Locally.)	
	See Note	4	4WS (SN 0300083332 to SN 0300114017) (Note: Not Available - Purchase Locally.)	
	80934561	2	2WS (SN 0300114017 to SN 0300137975)	
	80934561	4	4WS (SN 0300114017 to SN 0300137975)	
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 Item 126A, 126B, 126C or 126D)	
114	See Note	1	O-Ring (Note: Use Item 126A, 126B, 126C or 126D)	
115	See Note	2	Bearing (Note: Use Item 126A, 126B, 126C or 126D)	
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120		1	Plunger, Valve	
	7026508		SN 0300083332 to SN 0300114017	
	Use p/n 7024404		SN 0300114017 to SN 0300137975 (Note: Not Available for Purchase.)	
121	7026509	1	Spring	
122	See Note	AR	Protective Netting (Not Shown) (Rotary Coupling p/n 1660303 & p/n 1660304) (Note: Not Available for Purchase.)	
123		1	Seal Options:	
	7026189		2WS (SN 0300083332 to SN 0300114017)	
	Use 7026512		4WS (SN 0300083332 to SN 0300114017)	
	See Note		2WS/4WS (SN 0300114017 to SN 0300137975) (Note: Use Item 126C or 126D)	
124 to 125	Not Used			

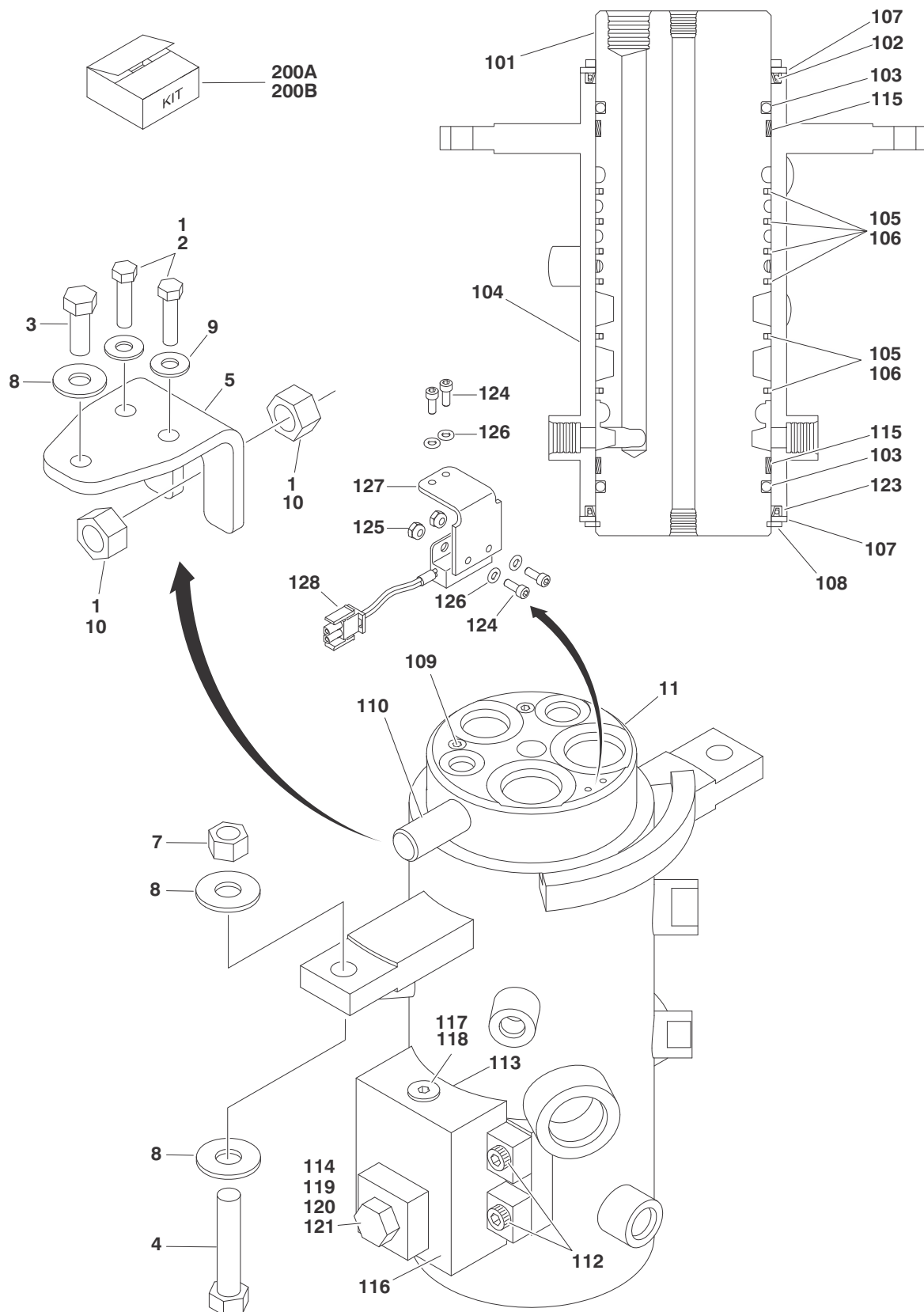
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FIGURE 2-20. ROTARY COUPLING INSTALLATION (SN 0300083332 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
126		1	Seal Kit Options:	
		1	SN 0300083332 to SN 0300114017	
126A	7026510		2WS (Includes Items 103,105,106,113,114 & 115)	
126B	7026512		4WS (Includes Items 102,103,105,106,113,114,115 & 123)	
		1	SN 0300114017 to SN 0300137975 (Includes Items 102,103,105, 106,113,114,115 & 123)	
126C	70001248		2WS	
126D	70001249		4WS	

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FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300137975 TO SN 0300140000)



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FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300137975 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ROTARY COUPLING INSTALLATION	
	1001107529	Ref	2WS	A
	1001107530	Ref	4WS	A
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	0903056	1	Bracket	
6	Not Used			
7	3271805	2	Locknut 1/2in-13NC	
8	4751800	5	Flatwasher 1/2in	
9	4891600	2	Flatwasher 3/8in Hardened	
10	3322201	2	Locknut 3/4in x 16NF	
11		1	Coupling, Rotary Options (See Items 101-128 for Breakdown):	
	1001106974		2WS	
	1001106975		4WS	
		Ref	ROTARY COUPLING ASSEMBLY	
	1001106974		2WS	B
	1001106975		4WS	B
101	See Note	1	Body (Note: Not Available - Purchase Complete Assy.)	
102		1	Seal Options:	
	Use 70001248		2WS	
	Use 70002212		4WS	
103	See Note	2	O-Ring (Note: Use Item 200A or 200B)	
104	See Note	1	Housing (Note: Not Available - Purchase Complete Assy.)	
105		AR	Seal, Cap	
	Use 70001248	6	2WS	
	Use 70002212	9	4WS	
106		AR	O-Ring	
	Use 70001248	6	2WS	
	Use 70002212	9	4WS	
107		2	Ring Options:	
	7026503		2WS	
	7026511		4WS	
108		1	Ring, Retaining Options:	
	7026504		2WS	
	7013189		4WS	
109		AR	Plug Options:	
	80934561	2	2WS	
	80934561	4	4WS	
110	See Note	1	Lug, Torque (Note: Not Available for Purchase.)	
111	Not Used			
112	7026197	4	Bolt 5/16in-18NC x 1-1/4in	
113	See Note	3	O-Ring (Note: Use Item 200A or 200B)	
114	See Note	1	O-Ring (Note: Use Item 200A or 200B)	
115	See Note	2	Bearing (Note: Use Item 200A or 200B)	

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FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300137975 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
116	7024404	1	Block Valve Assembly	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120	Use p/n 7024404	1	Plunger, Valve	
121	7026509	1	Spring, Compression	
122	See Note	AR	Protective Netting (Not Shown) (Note: Not Available for Purchase.)	
123		1	Seal Options:	
	Use 70001248		2WS	
	Use 70002212		4WS	
124	See Note	4	Screw, Socket Head #10-24NC x 1/2in (Note: Not Available for Purchase.)	
125	See Note	2	Locknut #10-24NC (Note: Not Available for Purchase.)	
126	See Note	4	Flatwasher #10 (Note: Not Available for Purchase.)	
127	70003454	1	Bracket, Switch Mounting	
128	4360517	1	Switch, Proximity	
129 to 199	Not Used			
200		1	Seal Kit Options:	
200A	70001248		2WS (Includes Items 102,103,105,106,113,114,115 & 123)	
200B	70002212		4WS (Includes Items 102,103,105,106,113,114,115 & 123)	

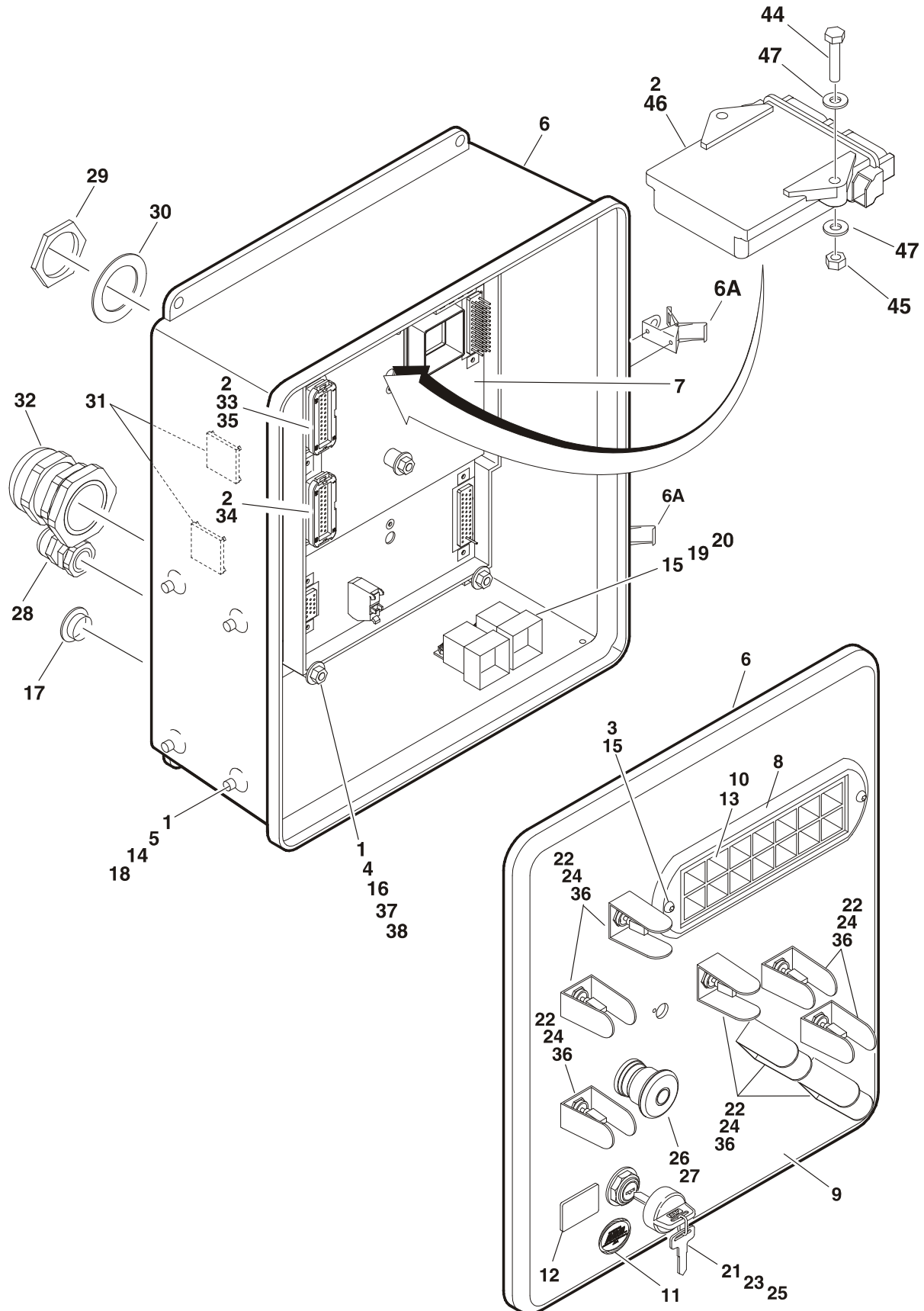
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FIGURE 2-21. ROTARY COUPLING INSTALLATION (SN 0300137975 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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



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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GROUND CONTROL BOX ASSEMBLIES	
			Caterpillar Engine Options:	
	0861621	Ref	800A - SN 0300069000 to SN 0300087266	C
	0861760	Ref	800A - SN 0300087266 to SN 0300099884	B
	0861622	Ref	800AJ - SN 0300069000 to SN 0300087266	C
	0861759	Ref	800AJ - SN 0300087266 to SN 0300099884	B
	1810091	Ref	800A - SN 0300099884 to SN 0300140000	D
	1810096	Ref	800AJ - SN 0300099884 to SN 0300140000	D
		Ref	Deutz Engine Options:	
	0861502	Ref	800A - SN 0300069000 to SN 0300085331	I
	0861712	Ref	800A - SN 0300085331 to SN 0300099884	B
	0861503	Ref	800AJ - SN 0300069000 to SN 0300085331	I
	0861713	Ref	800AJ - SN 0300085331 to SN 0300099884	B
	1810089	Ref	800A - SN 0300099884 to SN 0300129456	C
	1001102236	Ref	800A - SN 0300129456 to SN 0300140000	C
	1810094	Ref	800AJ - SN 0300099884 to SN 0300129456	C
	1001102237	Ref	800AJ - SN 0300129456 to SN 0300140000	C
		Ref	Ford Engine Options:	
	0861500	Ref	800A - SN 0300069000 to SN 0300087266	I
	0861762	Ref	800A - SN 0300087266 to SN 0300099884	B
	0861501	Ref	800AJ - SN 0300069000 to SN 0300087266	I
	0861761	Ref	800AJ - SN 0300087266 to SN 0300099884	B
		Ref	Ford Engine - UL Machines Options:	
	0861585	Ref	800A - SN 0300069000 to SN 0300087266	B
	0861584	Ref	800AJ - SN 0300069000 to SN 0300087266	B
		Ref	GM Engine Options:	
	0861790	Ref	800A - SN 0300069000 to SN 0300099884	B
	0861791	Ref	800AJ - SN 0300069000 to SN 0300099884	B
	1810088	Ref	800A - SN 0300099884 to SN 0300140000	C
	1810093	Ref	800AJ - SN 0300099884 to SN 0300140000	C
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	0641506	4	Bolt 5/16in-18NC x 3/4in	
6		1	Box, Fiberglass Options:	
	0861407		SN 0300069000 to SN 0300112885	
	1001097164		SN 0300112885 to SN 0300140000	
6A	7020246	2	Latch	
7		1	Module, Ground Control Options:	
	Use 2915014	1	SN 0300069000 to SN 0300077251 (was p/n 1600327)	
	1600364	1	SN 0300077251 to SN 0300085331	
	1600364	1	SN 0300085331 to SN 0300099884 (Caterpillar & Ford Engines)	
	1600411	1	SN 0300099884 to SN 0300140000 (Caterpillar Engines)	
	1600411	1	SN 0300085331 to SN 0300140000 (Deutz & GM Engines)	
8	1670829	1	Bezel	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
9	1703467	1	Decal - Faceplate Options:	
	1706912		800A - SN 0300069000 to SN 0300099884	
	1001102599		800A - SN 0300099884 to SN 0300135087	
	1703468		800A - SN 0300135087 to SN 0300140000	
	1706913		800AJ - SN 0300069000 to SN 0300099884	
	1001102600		800AJ - SN 0300099884 to SN 0300135087	
10	1704833	1	Decal - Ground Control Display Options:	
	1705753		Caterpillar & Ford Engine Machines SN 0300069000 to SN 0300087266	
	1704833		Caterpillar & Ford Engine Machines SN 0300087266 to SN 0300099884	
	1705753		Deutz Engine Machines SN 0300069000 to SN 0300085331	
	1706712		Deutz & GM Engine Machines SN 0300085331 to SN 0300099884	
11	1705132	1	Caterpillar, Deutz & GM Engine Machines SN 0300099884 to SN 0300140000	
12	2420172	1	Decal - Control ADE (SN 0300069000 to SN 0300099884)	
13	2760105	1	Gauge, Hourmeter	
14	3300205	1	Housing, Display Light	
15	3300408	4	Nut, Retainer	
16	3311401	AR	Locknut, Plastic Insert	
17	3520035	10	Nut 1/4in-20NC	
18	3539219	1	Plug, Cap	
19	3740049	1	Plate, Reinforcement	
20	4060906	AR	Relay Options:	
		3	Caterpillar Engine Machines	
		2	Deutz, Ford & GM Engine Machines	
		2	Screw, Flange #10 x 1/2in	
		6	Screw #8-32NC x 1/4in	
		AR	Shield, Toggle Switch	
		800A		
		8	SN 0300069000 to SN 0300135087	
		1	SN 0300135087 to SN 0300140000	
		800AJ		
21	4070987	9	SN 0300069000 to SN 0300135087	
		1	SN 0300135087 to SN 0300140000	
22	4360328	1	Shim (.015in)	
23	4360469	AR	Switch, Toggle	
		8	800A	
		9	800AJ	
24	2860030	1	Switch, Key	
		1	Key Replacement	
25	4360475	1	Switch, Emergency Stop	
		1	Cap, Mushroom	
		1	Block, Contact	
26	4360476	1	Switch, Contact Block	
27	4460426	1	Connector, Strain Relief	
28	4460470	1	Nut, Terminal	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
30	4460471	1	Lockwasher, Terminal	
31	4460488	AR	Mounting Base, Terminal	
32	4460526	1	Connector, Strain Relief	
33	4460874	1	Connector, Natural	
34	4460875	1	Connector, Gray	
35	4460905	AR	Connector, Amp Seal	
36	4740444	AR	Washer, Special	
37	4751400	20	Flatwasher 1/4in	
38	4761400	15	Lockwasher 1/4in	
39	4922557	1	Harness, Valve (Not Shown - See ELECTRICAL SECTION for Breakdown)	
40	4922666	1	Harness, Analyzer Cable (Not Shown - See ELECTRICAL SECTION for Breakdown) (SN 0300069000 to SN 0300085331 Only)	
41		1	Harness, Ground Control Box Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
	4922675		Caterpillar & Ford Engine Machines (SN 0300069000 to SN 0300087266)	
	4923282		Caterpillar & Ford Engine Machines (SN 0300087266 to SN 0300099884)	
	4922675		Deutz Engine Machines (SN 0300069000 to SN 0300085331)	
	4923223		Deutz & GM Engine Machines (SN 0300085331 to SN 0300099884)	
	4923575		Caterpillar, Deutz & GM Engine Machines (SN 0300099884 to SN 0300112885)	
	1001096458		Caterpillar, Deutz & GM Engine Machines (SN 0300112885 to SN 0300140000)	
42		1	Harness, Engine Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
			Caterpillar Engine Machines	
	4922933		SN 0300069000 to SN 0300087266	
	4923280		SN 0300087266 to SN 0300099884	
	4923585		SN 0300099884 to SN 0300140000	
			Deutz Engine Machines	
	4922549		SN 0300069000 to SN 0300085331	
	4923238		SN 0300085331 to SN 0300129456	
	1001102150		SN 0300129456 to SN 0300140000	
			Ford Engine Machines	
	4922550		Non-U/L (SN 0300069000 to SN 0300087266)	
	4922846		U/L Machines (SN 0300069000 to SN 0300087266)	
	4923281		SN 0300087266 to SN 0300140000	
	4923499		GM Engine Machines	
43		1	Ground Control Box Wiring Diagram (Not Shown - See ELECTRICAL SECTION for Breakdown)	
			Caterpillar Engine Machines	
	4933296		SN 0300069000 to SN 0300087266	
	4933338		SN 0300087266 to SN 0300099884	
	4933373		SN 0300099884 to SN 0300140000	

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

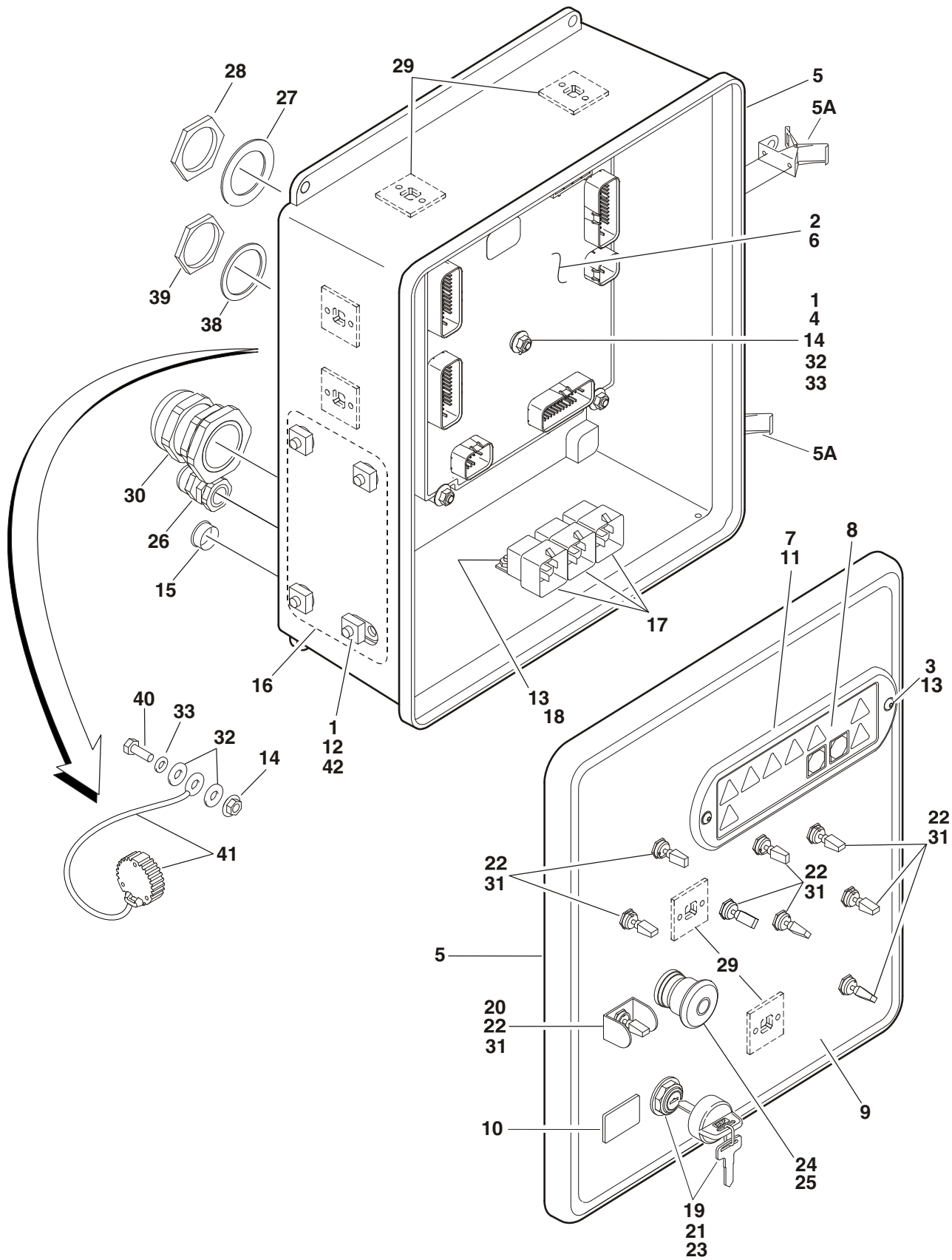
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
43 (cont'd)	4933232		Deutz Engine Machines SN 0300069000 to SN 0300085331	
	4933321		SN 0300085331 to SN 0300099884	
	4933372		SN 0300099884 to SN 0300140000	
	4933233		Ford Engine Machines SN 030006900 to SN 0300087266	
	4933339		SN 0300087266 to SN 0300140000	
	4933356		GM Engine Machines SN 0300069000 to SN 0300099884	
	4933371		SN 0300099884 to SN 0300140000	
44	0641410	2	Bolt 1/4in-20NC x 1-1/4in	
45	3311405	2	Locknut 1/4in-20NC	
46	1001094484	1	Controller, UMS Module	
47	4711400	4	Flatwasher 1/4in	

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	
	1001110317	Ref	800A with Caterpillar Engine	B
	1001110318	Ref	800AJ with Caterpillar Engine	C
	1001110313	Ref	800A with Deutz Engine	B
	1001110314	Ref	800AJ with Deutz Engine	B
	1001110311	Ref	800A with GM Engine	A
	1001110312	Ref	800AJ 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	1001110199	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:	
	1001102599		800A	
	1001102600		800AJ	
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	3520035	1	Plug, Cap	
16	3539219	1	Plate, Reinforcement	
17	3740049	AR	Relay Options:	
		3	Caterpillar Engine Machines	
		2	Deutz & GM Engine Machines	
18	3900268	AR	Screw, Flange #10 x 1/2in	
19	3910804	6	Screw #8-32NC x 1/4in	
20	4060906	1	Shield, Toggle Switch	
21	4070987	1	Shim (.015in)	
22	4360328	AR	Switch, Toggle	
		8	800A	
		9	800AJ	
23	4360469	1	Switch, Key	
	2860030	1	Key Replacement	
24	4360475	1	Switch, Emergency Stop	
	7020175	1	Cap, Mushroom	
	7020176	1	Block, Contact	
25	4360476	1	Switch, Contact Block	
26	4460426	1	Connector, Strain Relief	
27	4460470	1	Nut, Terminal	
28	4460471	1	Lockwasher, Terminal	
29	4460488	6	Mounting Base, Terminal	
30	4460526	1	Connector, Strain Relief	
31	4740444	AR	Washer, Special	

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

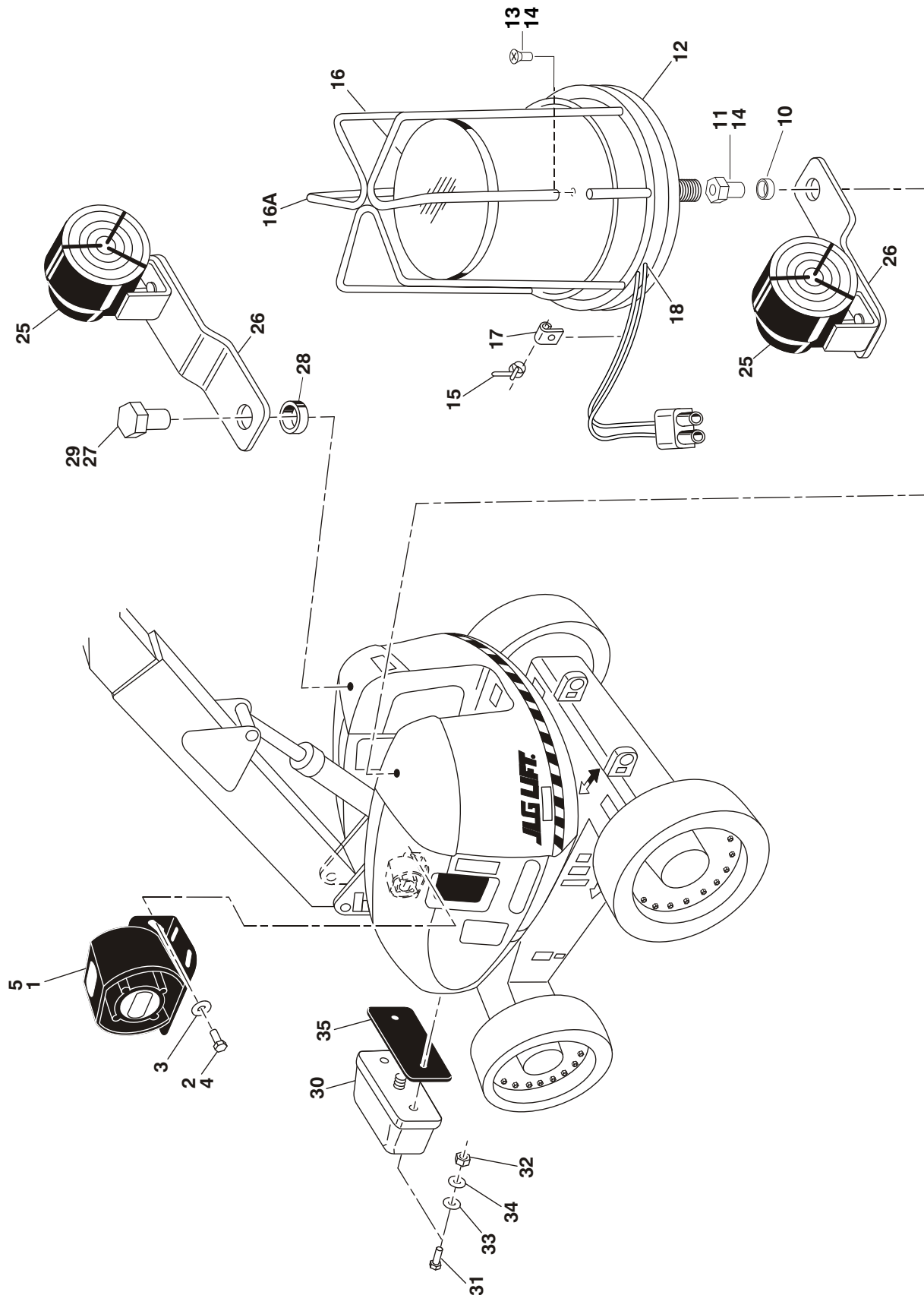
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
32	4751400	12	Flatwasher 1/4in	
33	4761400	6	Lockwasher 1/4in	
34	4922557	1	Harness, Valve (Not Shown - See ELECTRICAL SECTION for Breakdown)	
35		1	Harness, Engine Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
	1001110324		Caterpillar Engine Machines	
	1001110222		Deutz Engine Machines	
	1001110221		GM Engine Machines	
36	1001110225	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)	
	1001110323		Caterpillar Engine Machines	
	1001110322		Deutz Engine Machines	
	1001110321		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	
42	0641506	4	Bolt 5/16in-18NC x 3/4in	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-24. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)



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FIGURE 2-24. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)	
	0258674	Ref	ALARMS INSTALLATIONS	C
1	0257887	1	Alarm/Harness Assembly	
	0140032	1	Alarm	
	2820035	6in/15cm	Loom	
	4460424	1	Plug	
	4460268	2	Socket	
2	0641508	2	Bolt 5/16in-18NC x 1in	
3	4711500	2	Flatwasher 5/16in Narrow	
4	0100011	AR	Compound, Locking	
5	0100048	AR	Sealant, Silicone	
6 to 9	Not Used			
	0271422	Ref	STROBE LIGHT INSTALLATIONS (AMBER) (OPTIONAL)	C
		Ref	Note: If machine is equipped with BLUE Strobe Light, see Section 10 SkyGuard Kit.	
10	4220162	1	Spacer, Stop (Used with ECCO Model 6640 Only)	
11		1	Adapter Options:	
	0630491	1	Adapter - Used with ECCO Model 6640 Only	
	0080241	1	Adapter - Used with ECCO Model 6650 Only	
12	3539281	1	Plate, Mounting (Used with ECCO Model 6640 Only)	
13	0741606	1	Screw, Flathead Countersunk 3/8in-16NC x 3/4in (Used with ECCO Model 6640 Only)	
14	0100011	AR	Compound, Locking	
15	4240032	1	Wire-Tile	
16	Use 0272507	1	Strobe Light/Guard/Harness Assembly (was p/n 0255917)	
		1	Bulb, Replacement Options:	
	7016380		Bulb - for ECCO Model 6640	
	70001941		Bulb - for ECCO Model 6650	
16A		1	Guard Options:	
	4060907		Guard - Used with ECCO Model 6640	
	2920215		Guard - Used with ECCO Model 6650	
17	4460234	1	Clamp	
18	0100048	AR	Sealant, Silicone	
		Ref	LIGHTS INSTALLATIONS (OPTIONAL)	
	0271768	Ref	Non-UL Spec Machines	C
	0272754	Ref	UL Spec Machines	1
25	2920110	2	Headlight	
26	0902206	2	Bracket, Mounting	
27	0642612	1	Bolt 1in-8NC x 1-1/2in	
28	4220162	2	Spacer	
29	0100011	AR	Compound, Locking	
30	2920113	2	Taillight	

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FIGURE 2-24. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

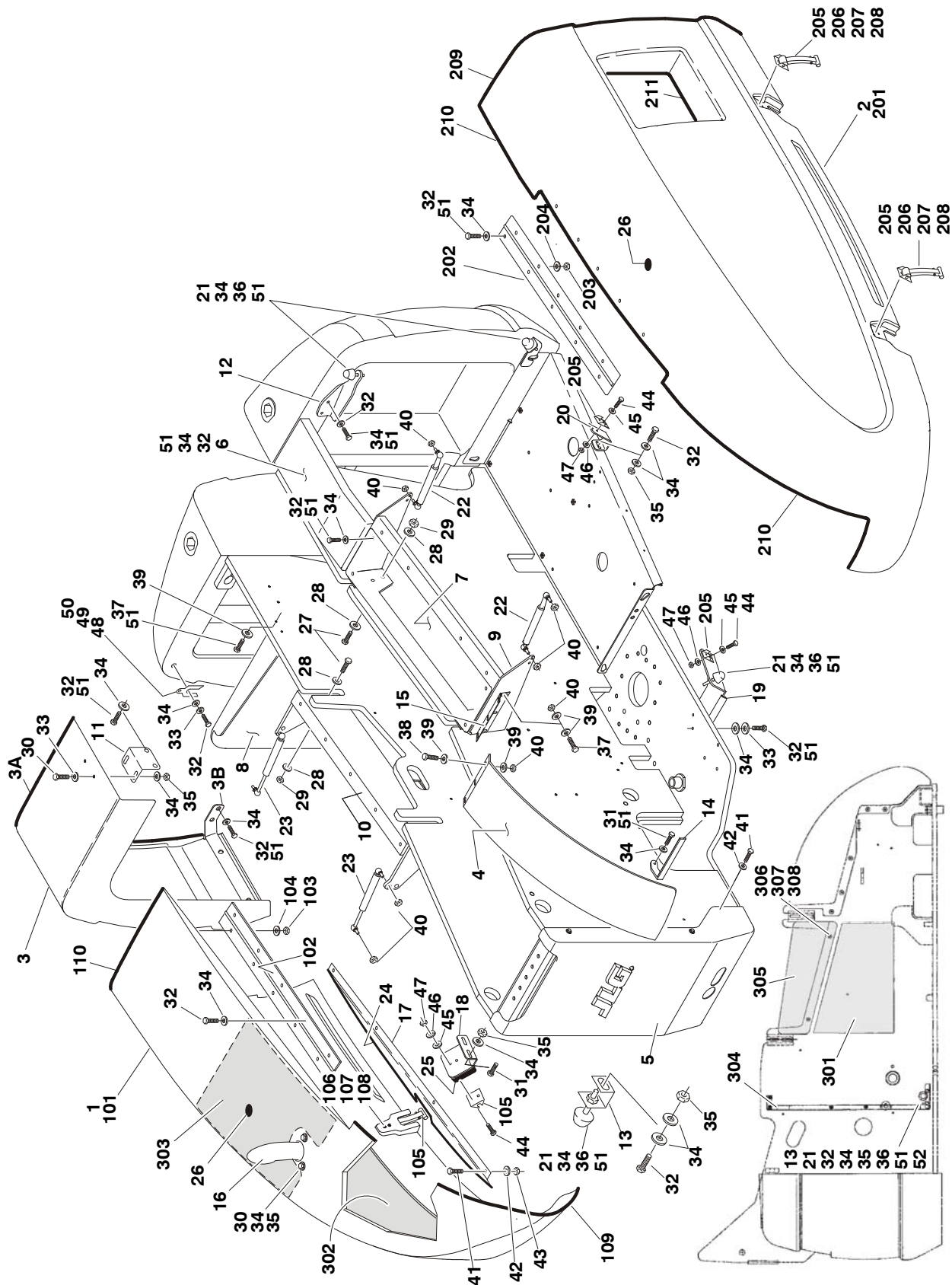
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
31	3911040	4	Screw, Machine #10-24NC x 2-1/2in	
32	3311005	4	Nut #10-24NC	
33	4751000	4	Flatwasher #10	
34	4740362	4	Washer, Fender	
35	3960461	2	Gasket	
36	Not Used			
37	4240032	12	Tie-Strap (Not Shown)	
38	4460234	12	Mount, Tie-Strap (Not Shown)	
39		1	Switch, Toggle Options (Not Shown - Located on Console):	
	4360336		SN 0300069000 to SN 0300136488	
	4360522		SN 0300136488 to SN 0300140000	
40	3790012	1	O-Ring (Not Shown - Located on Console) (SN 0300069000 to SN 0300136488)	
41	1705170	1	Decal, Lights (Not Shown - SN 0300136488 to SN 0300140000)	

FIGURE 2-24. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-25. HOODS INSTALLATION (SN 0300069000 TO SN 0300089982)



SECTION 2 TURNTABLE

FIGURE 2-25. HOODS INSTALLATION (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	HOODS INSTALLATION	
		Ref	SN 0300069000 to SN 0300077500	
	0258609	Ref	Caterpillar & Deutz Engine Machines	6/F
	0258609	Ref	Non-U/L Ford Engine Machines	6/F
	0272689	Ref	UL Ford Engine Machines	2/B
		Ref	SN 0300077500 to SN 0300089982	
	0258609	Ref	Caterpillar & Deutz Engine Machines	6/F
	0274022	Ref	Ford Engine Machines	3/C
1		1	Hood Assembly - Engine Side Options (See Items 101-110 for Breakdown):	
	2680451		Non-U/L Machines	
	2680513		UL Machines	
2	2680448	1	Hood Assembly - Tank Side (See Items 201-211 for Breakdown)	
3	2680450	1	Spacer Assembly	
3A	3960453	68in/1.73m	Seal	
3B	7023366	1	Bracket	
4	3380444	1	Panel, Adapter	
5	1670842	1	Cover, Turntable End	
6	3380442	1	Cover, Top (Tank Side)	
7	3380443	1	Cover, Bracket (Tank Side) (SN 0300069000 to SN 0300087266 Only) (Note: Item 7 covered hole in Item 9 hood bracket prior to the revision that eliminated the hole.)	
8		1	Plate, Baffle Options:	
	3539979		Non-U/L Machines	
	Not Required		SN 0300069000 to SN 0300076283	
	3539979		SN 0300076283 to SN 0300089982	
			UL Machines	
9	0902412	1	Bracket, Hood Mounting (Tank Side) (See Note under Item 7)	
10	0902351	1	Bracket, Hood Mounting (Engine Side)	
11	0902161	1	Bracket, Hood Spacer Mounting (Engine Side)	
12	0902426	1	Bracket, Bumper - Counterweight Mounted	
13	0902219	2	Bracket, Bumper	
14	0362770	1	Bar, Panel Mounting	
15	2600244	1	Adapter, Panel Hinge	
16		1	Exhaust Tube Weldment Options:	
	4845411		Caterpillar & Deutz Engine Machines	
	4845411		Non-U/L Ford Engine Machines (SN 0300069000 to SN 0300077500)	
	3460399		Non-U/L Ford Engine Machines (SN 0300077500 to SN 0300089982)	
	Not Required		UL Machines	
17	3539934	1	Plate, Seal	
18	0902491	1	Bracket, Latch (Engine Side)	
19	0902223	1	Bracket, Latch (Tank Side)	
20	0902143	1	Bracket, Latch (Tank Side)	
21	0940071	AR	Bumper	
22	4160139	2	Spring, Gas (Tank Side)	

SECTION 2 TURNTABLE

FIGURE 2-25. HOODS INSTALLATION (SN 0300069000 TO SN 0300089982) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
23	4160143	1	Spring, Gas (Engine Side)	B 1
24	3960389	3.5ft/1m	Seal	
25	3960470	1	Seal, Latch	
26	3520033	2	Plug, Hole	
27	0630507	AR	Bolt, Carriage 1/2in-13NC x 1-1/4in	
28	4740171	AR	Washer, Hardened	
29	3311805	AR	Locknut 1/2in-13NC	
30	3900232	AR	Screw, Button Head 3/8in-16NC x 1-1/4in	
31	0641609	5	Bolt 3/8in-16NC x 1-1/8in	
32	0641608	22	Bolt 3/8in-16NC x 1in	
33	4740076	5	Washer, Fender	
34	4751600	AR	Flatwasher 3/8in	
35	3311605	AR	Locknut 3/8in-16NC	
36	3311601	AR	Nut 3/8in-16NC	
37	0641508	AR	Bolt 5/16in-18NC x 1in	
38	3900210	3	Screw, Button Head 5/16in-18NC x 3/4in	
39	4751500	AR	Flatwasher 5/16in	
40	3311505	AR	Locknut 5/16in-18NC	
41	0641406	AR	Bolt 1/4in-20NC x 3/4in	
42	4751400	AR	Flatwasher 1/4in	
43	3311405	AR	Locknut 1/4in-20NC	
44	0721006	6	Screw #10-24NC x 3/4in	
45	4751000	6	Flatwasher #10	
46	4761000	6	Lockwasher #10	
47	3311001	6	Nut #10-24NC	
48	4070410	AR	Shim 1/16in	
49	4070411	AR	Shim 1/8in	
50	4070412	AR	Shim 3/16in	
51	0100011	AR	Compound, Locking	
52	0940094	1	Bumper (UL Machines Only)	
		Ref	HOOD ASSEMBLY (ENGINE SIDE)	
	2680451	Ref	Non-U/L Machines	
	2680513	Ref	UL Machines	
101	Use 2680451	1	Hood Options: Non-U/L Machines (was p/n 2680436) UL Machines	
102	2600209	1	Hinge	
103	3311600	4	Nut 3/8in-16NC	
104	4711600	4	Flatwasher 3/8in	
105	2940088	1	Latch	
106	0721008	2	Screw, Machine #10-24NC x 1in	
107	4751000	2	Flatwasher #10	
108	3311005	2	Locknut #10-24NC	
109	3960464	65in/1.67m	Seal	
110	3960462	61in/1.55m	Seal	

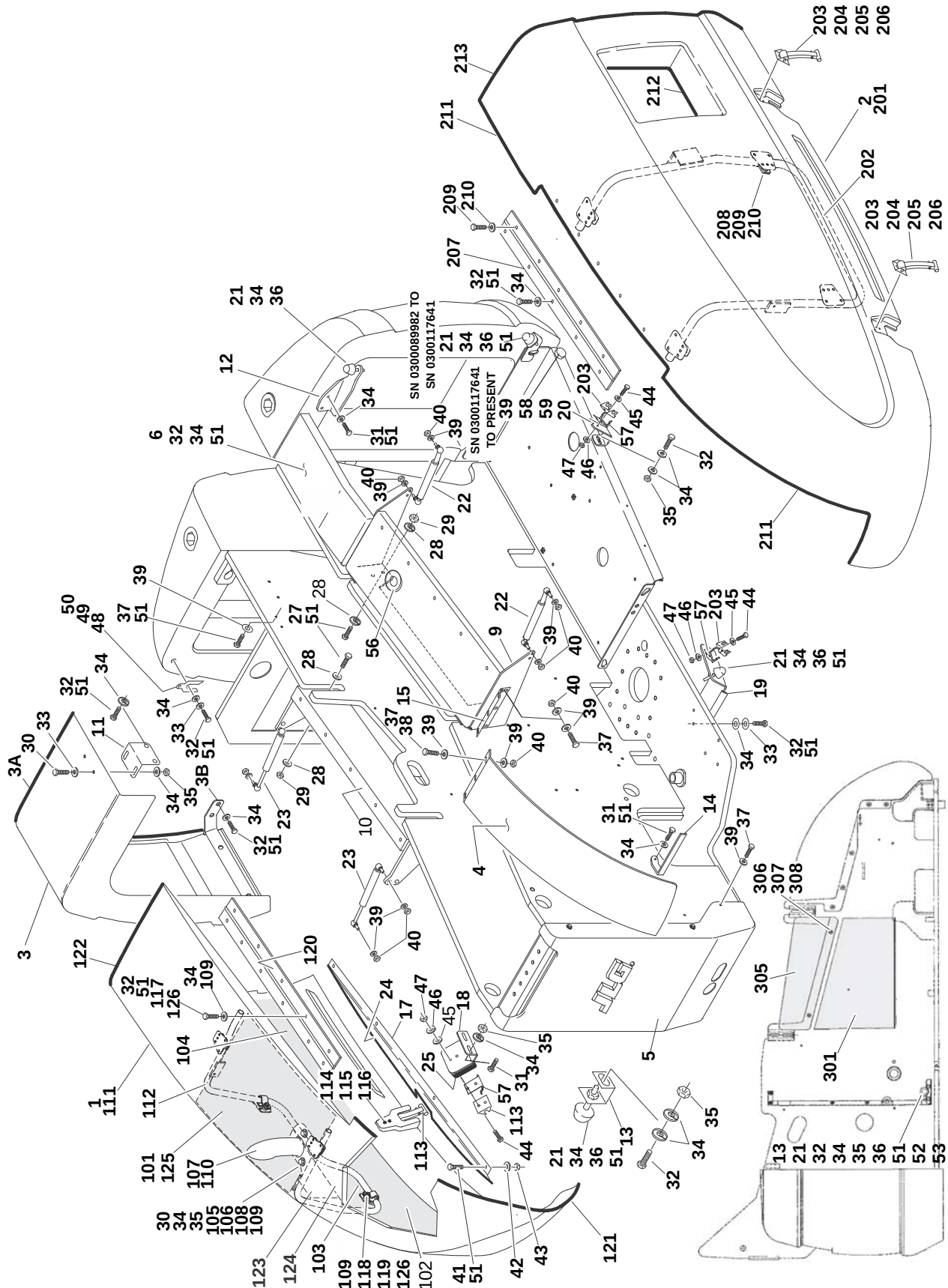
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FIGURE 2-25. HOODS INSTALLATION (SN 0300069000 TO SN 0300089982) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2680448	Ref	HOOD ASSEMBLY (TANK SIDE)	B
201	2680437	1	Hood	
202	2600233	1	Hinge	
203	3311605	5	Locknut 3/8in-16NC	
204	4711600	5	Flatwasher 3/8in Narrow	
205	2940088	2	Latch	
206	0721008	4	Screw, Machine #10-24NC x 1in	
207	4751000	4	Flatwasher #10	
208	3311005	4	Locknut #10-24NC	
209	3960462	53in/1.35m	Seal	
210	3960464	83in/2.11m	Seal	
211	3960438	55in/1.4m	Seal	
	0256823	Ref	NOISE REDUCTION INSTALLATION (CATERPILLAR/DEUTZ ENGINE MACHINES)	3/C
301	2820078	1	Foam, Acoustical (Turntable Side)	
302	2820079	1	Foam, Acoustical (Hood Side)	
303	2820080	1	Foam, Acoustical (Hood Top)	
304	2820081	1	Foam, Acoustical (Located on #8) (SN 0300069000 to SN 0300076785)	
305	3539955	1	Plate, Baffle	
306	0641506	2	Bolt 5/16in-18NC x 3/4in	
307	4751500	2	Flatwasher 5/16in	
308	0100011	AR	Compound, Locking	

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



SECTION 2 TURNTABLE

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	HOODS INSTALLATION	
		Ref	SN 0300089982 to SN 0300129456	
	0274759	Ref	Caterpillar & Deutz Engine Machines	E
	0275546	Ref	GM Engine Machines	D
		Ref	SN 0300129456 to SN 0300140000	
	0274759	Ref	Caterpillar Engine Machines	F
	1001099137	Ref	Deutz Engine Machines	B
	0275546	Ref	GM Engine Machines	G
1		1	Hood Assembly - Engine Side Options (see Items 101-124 for Breakdown):	
		Ref	Note: Replacement decals must be ordered separately - See DECAL SECTION.	
	1671249		Caterpillar Engine Machines SN 0300089982 to SN 0300140000	
	1671249		Deutz Engine Machines SN 0300089982 to SN 0300129456	
	1001099138		Deutz Engine Machines SN 0300129456 to SN 0300140000	
	1671332		GM Engine Machines SN 0300089982 to SN 0300140000	
2	1671228	1	Hood Assembly - Tank Side (see Items 201-213 for Breakdown)	
		Ref	Note: Replacement decals must be ordered separately - See DECAL SECTION.	
3	1671233	1	Spacer Assembly	
3A	3960453	68in/1.73m	Seal	
3B	0903308	1	Bracket	
4	3380444	1	Panel, Adapter	
5	1670842	1	Cover, Turntable End	
6	3380442	1	Cover, Top (Tank Side)	
7 to 8	Not Used			
9	0902412	1	Bracket, Hood Mounting (Tank Side)	
10	0902351	1	Bracket, Hood Mounting (Engine Side)	
11	0902161	1	Bracket, Hood Spacer Mounting (Engine Side)	
12	0902426	1	Bracket, Bumper - Counterweight Mounted	
13	0902219	2	Bracket, Bumper	
14	0362770	1	Bar, Panel Mounting	
15	2600244	1	Adapter, Panel Hinge	
16	Not Used			
17	3571712	1	Plate, Seal	
18	0902491	1	Bracket, Latch (Engine Side)	
19	0902223	1	Bracket, Latch (Tank Side)	
20	0902143	1	Bracket, Latch (Tank Side)	
21	0940071	AR	Bumper	
22	4160139	2	Spring, Gas (Tank Side)	
23	4160143	1	Spring, Gas (Engine Side)	
24	3960389	3.5ft/1m	Seal	
25	3960470	1	Seal, Latch	
26	Not Used			
27	0630507	AR	Bolt, Carriage 1/2in-13NC 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.
28	4740171	AR	Washer, Hardened	
29	3311805	AR	Locknut 1/2in-13NC	
30	3900232	AR	Screw, Button Head 3/8in-16NC x 1-1/4in	
31	0641609	5	Bolt 3/8in-16NC x 1-1/8in	
32	0641608	22	Bolt 3/8in-16NC x 1in	
33	4740076	5	Washer, Fender	
34	4751600	AR	Flatwasher 3/8in	
35	3311605	AR	Locknut 3/8in-16NC	
36	3311601	AR	Nut 3/8in-16NC	
37	0641508	AR	Bolt 5/16in-18NC x 1in	
38	3900210	3	Screw, Button Head 5/16in-18NC x 3/4in (SN 0300089982 to SN 0300118453)	
39	4751500	AR	Flatwasher 5/16in	
40	3311505	AR	Locknut 5/16in-18NC	
41	0641406	4	Bolt 1/4in-20NC x 3/4in	
42	4751400	AR	Flatwasher 1/4in	
43	3311405	AR	Locknut 1/4in-20NC	
44	0721006	6	Screw #10-24NC x 3/4in	
45	4751000	6	Flatwasher #10	
46	4761000	6	Lockwasher #10	
47	3311001	6	Nut #10-24NC	
48	4070410	AR	Shim 1/16in	
49	4070411	AR	Shim 1/8in	
50	4070412	AR	Shim 3/16in	
51	0100011	AR	Compound, Locking	
52		1	Bumper Options:	
	0940088		SN 0300089982 to SN 0300118453 (Caterpillar & Deutz Engine Machines)	
	0940071		SN 0300118453 to SN 0300140000	
53	3321501	2	Nut 5/16in-24NF	
54 to 55	Not Used			
56	1120601	1	Cap, Plug (SN 0300098644 to SN 0300140000)	
57	2940188	3	Latch, Spring Clip (SN 0300098644 to SN 0300140000)	
58		1	Hardware Options:	
	0940071		Bumper (SN 0300089982 to SN 0300118453)	
	0940049		Stopper, Hood (SN 0300118453 to SN 0300140000)	
59	3311501	2	Nut 5/16in-18NC (SN 0300118453 to SN 0300140000)	
		Ref	HOOD ASSEMBLIES (ENGINE SIDE)	
	1671249	Ref	Caterpillar Engine Machines SN 0300089982 to SN 0300140000	D
	1671249	Ref	Deutz Engine Machines SN 0300089982 to SN 0300129456	D
	1001099138	Ref	Deutz Engine Machines SN 0300129456 to SN 0300140000	B
	1671332	Ref	GM Engine Machines SN 0300089982 to SN 0300140000	E
101		1	Insulation/Foam Options:	
	2820080		Caterpillar Engine SN 0300089982 to SN 0300124625	
	1001101391		Caterpillar Engine SN 0300124625 to SN 0300140000	
	2820080		Deutz Engine SN 0300089982 to SN 0300124625	
	1001101391		Deutz Engine SN 0300124625 to SN 0300129456	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
101 (cont'd)	1001101673 See Note		Deutz Engine SN 0300129456 to SN 0300140000 GM Engine SN 0300089982 to SN 0300140000 Note: Refer to note at items 123 & 124.	
102	2820233	1	Insulation, Rear Sound (Caterpillar/Deutz Engine Only)	
103	2820234	1	Insulation, Center Sound (Caterpillar/Deutz Engine Only)	
104	2820235	1	Insulation, Rear Sound (Caterpillar/Deutz Engine Only)	
105	3311605	AR	Locknut 3/8in x16NC	
106	3900232	AR	Screw, Button Head 3/8in-16NC x 1-1/4in	
107		1	Shield, Heat Gasket Options: SN 0300089982 to SN 0300124625 SN 0300124625 to SN 0300129456	
	4061010			
	1001101392 Not Required		Caterpillar/Deutz Engine Machines GM Engine Machines SN 0300129456 to SN 0300140000	
	1001101392 1001101623 Not Required		Caterpillar Engine Machines Deutz Engine Machines GM Engine Machines	
108	4740500	AR	Washer (Special)	
109	4751600	AR	Flatwasher 3/8in	
110		1	Exhaust Tube Weldment Options: Caterpillar Engine Machines Deutz Engine Machines (SN 0300089982 to SN 0300129456)	
	1001099121		Deutz Engine Machines (SN 0300129456 to SN 0300140000)	
	3460552		GM Engine (SN 0300089982 to SN 0300140000)	
111		1 Ref	Hood Kit Options: Note: Replacement decals must be ordered separately - See DECAL SECTION.	
	1001097965		Caterpillar Engine Machines (Includes Items 101, 102, 103, 104, 107 & 108) Deutz Engine Machines	
	1001097965		SN 0300089982 to SN 0300129456 (Includes Items 101, 102, 103, 104, 107 & 108)	
	1001099139		SN 0300129456 to SN 0300140000 (Must also purchase Items 101, 102, 103, 104, 107 & 108)	
	1001097964		GM Engine Machines (Includes Items 101, 108 & 125)	
112	1671230	1	Frame, Tubular	
113	2940088	1	Latch	
114	0721008	2	Screw, Machine #10-24NC x 1in	
115	4751000	2	Flatwasher #10	
116	3311005	2	Locknut #10-24NC	
117	0641608	AR	Bolt 3/8in-16NC x 1in	
	0641606	AR	Bolt 3/8in-16NC x 3/4in	
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	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
123	See Note	1	Insulation, Heat (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.)	A
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.)	
125	1001117140	AR	Tape (GM Engine Only):	
126	0100011	AR	Compound, Locking	
	1671228	Ref	HOOD ASSEMBLY (TANK SIDE)	
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	
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 Narrow	
211	3960464	83in/2.11m	Seal	3/C
212	3960438	55in/1.4m	Seal	
213	3960462	53in/1.35m	Seal	
	0256823	Ref	NOISE REDUCTION INSTALLATION (DEUTZ/CATERPILLAR ENGINE MACHINES)	
301	2820078	1	Foam, Acoustical (Turntable Side)	
302 to 304	Not Used			
305	3539955	1	Plate, Baffle	
306	0641506	2	Bolt 5/16in-18NC x 3/4in	
307	4751500	2	Flatwasher 5/16in	
308	0100011	AR	Compound, Locking	

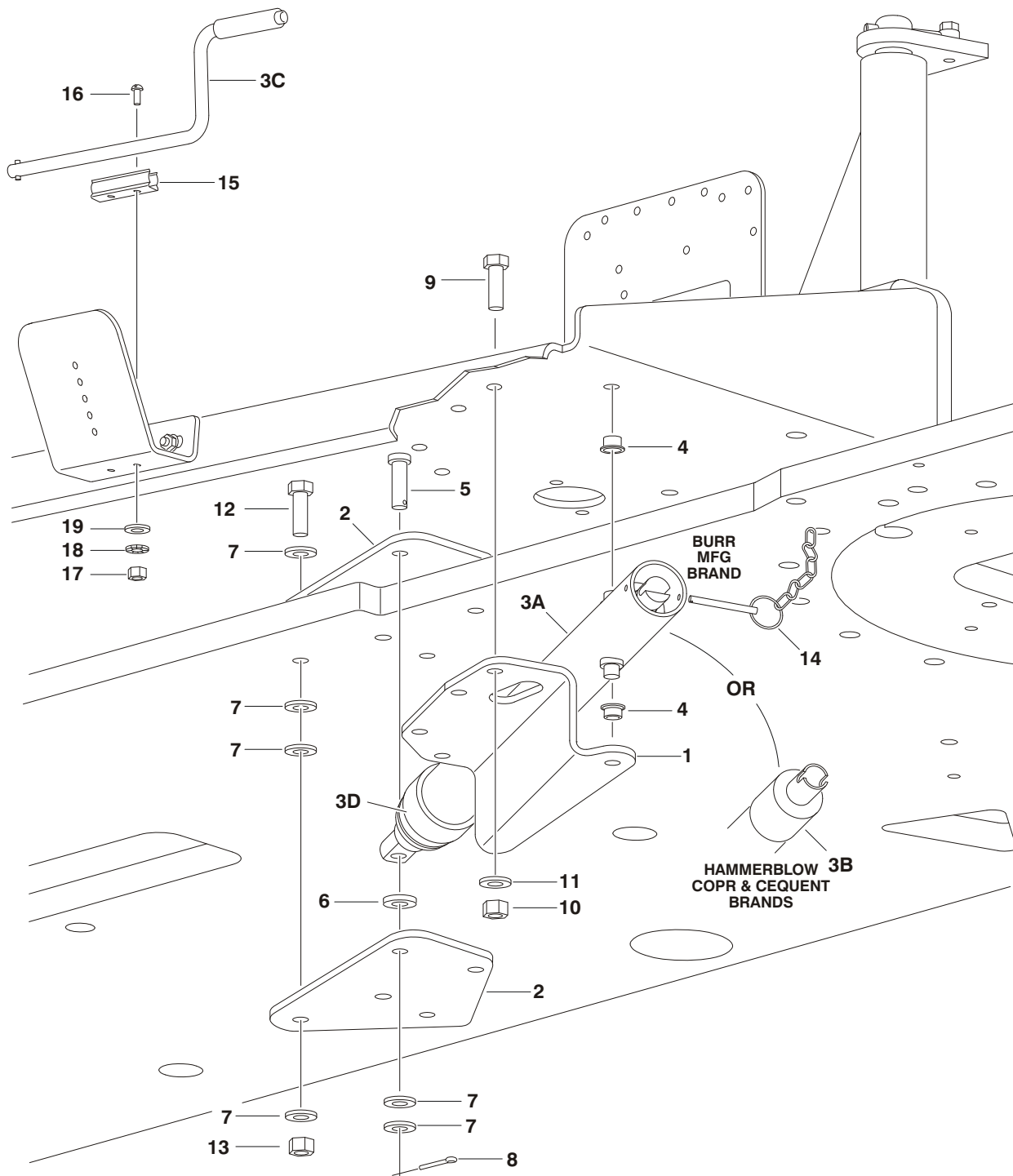
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FIGURE 2-26. HOODS INSTALLATION (SN 0300089982 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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



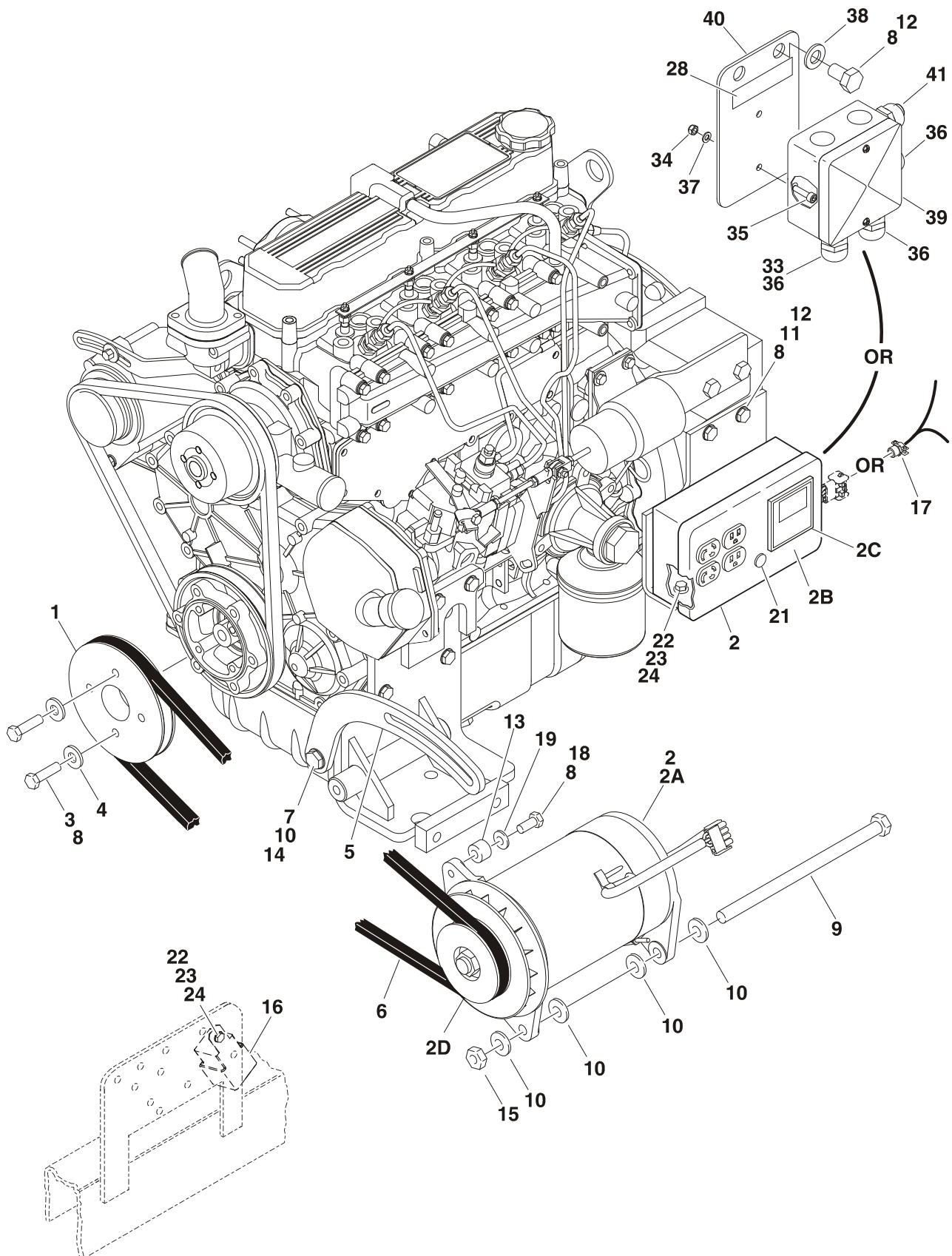
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FIGURE 2-27. ENGINE TRAY JACK INSTALLATION (OPTIONAL)

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/Cequent Corp Brand	
3C		1	Handle Options:	
	7016374		Burr Manufacturing Brand	
	7024598		Hammerblow/Cequent Corp Brand	
3D	7016322	1	Wiper (Burr Manufacturing Brand Only)	
4	0962051	2	Bearing, Flange	
5	3430816	1	Pin, Clevis	
6	4891800	1	Washer, Hardened	
7	4711800	6	Flatwasher 1/2in Narrow	
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	Washer, Hardened	
12	0641818	4	Bolt 1/2in-13NC x 2-1/4in	
13	3311805	4	Locknut 1/2in-13NC	
14	3422530	1	Pin, Hitch (SN 0300069000 to SN 0300070638)	
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:	
	0273518	Ref	110V/60Hz (SN 0300069000 to SN 0300082504)	3/C
	0274081	Ref	110V/60Hz (SN 0300082504 to SN 0300139400)	1/A
	1001115404	Ref	110V/60Hz (SN 0300139400 to SN 0300140000)	A
	0273538	Ref	110V/50Hz (SN 0300069000 to SN 0300082504) (ANSI Export Spec Only)	3/C
	0274091	Ref	110V/50Hz (SN 0300082504 to SN 0300132891) (ANSI Export Spec Only)	1/A
	No Longer Avail.	Ref	110V/50Hz (SN 0300132891 to SN 0300140000)	
	0273539	Ref	220V/50Hz (SN 0300069000 to SN 0300082504) (ANSI Export Spec Only)	3/C
	0274087	Ref	220V/50Hz (SN 0300082504 to SN 0300132891) (ANSI Export Spec Only)	1/A
	1001102548	Ref	220V/50Hz (SN 0300132891 to SN 0300139400) (ANSI Export Spec Only)	B
	1001115414	Ref	220V/50Hz (SN 0300139400 to SN 0300140000) (ANSI Export Spec Only)	A
1	3580322	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460032		110V/60Hz (SN 0300069000 to SN 0300082504)	
	2460055		110V/60Hz (SN 0300082504 to SN 0300140000)	
	2460039		110V/50Hz (SN 0300069000 to SN 0300082504)	
	2460057		110V/50Hz (SN 0300082504 to SN 0300132891)	
	2460013		220V/50Hz (SN 0300069000 to SN 0300082504)	
	2460056		220V/50Hz (SN 0300082504 to SN 0300132891)	
	1001100321		220V/50Hz (SN 0300132891 to SN 0300140000)	
2A		1	Generator Options:	
	7012558		110V/60Hz Replacement Generator	
	2460049		110V/50Hz Replacement Generator	
	1001100321		220V/50Hz Replacement 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	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)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
2B		1	Box, Control Options:	
	7003657		110V/60Hz Replacement Box	
	7019680		SN 0300069000 to SN 0300082504	
			SN 0300082504 to SN 0300140000	
			110V/50Hz Replacement Box	
	70002240		SN 0300069000 to SN 0300082504	
	7019680		SN 0300082504 to SN 0300132891	
			220V/50Hz Replacement Box	
	70002235		SN 0300069000 to SN 0300082504	
	70000127		SN 0300082504 to SN 0300132891	
		1	Breaker, Circuit Options:	
	4360542		110V/60Hz Breaker, Circuit	
			110V/50Hz Breaker, Circuit Options:	
	70002240		SN 0300069000 to SN 0300082504	
	4360542		SN 0300082504 to SN 0300132891	
	70000126		220V Breaker, Circuit	
	4460190	AR	Receptacle, Double (110V Box)	
	4460027	AR	Receptacle, Double Twist Lock (110V Box)	
2C	70000124	1	Receptacle, Double (220V Box)	
	70000125	1	Receptacle, Single Twist Lock (220V Box)	
	2920162	1	Lamp Assembly (SN 0300069000 to SN 0300082504)	
2D	7020191	1	Switch, Toggle (SN 0300069000 to SN 0300082504)	
		1	Voltmeter Options:	
	2420203		110V	
3	7020192		220V	
		1	Pulley Options:	
	3580276		110V/60Hz	
	3580134		110V/50Hz	
	3580134		220V/50Hz	
4	7027887	1	Key, Woodruff	
	0700816	4	Bolt M8 x 40mm	
		4	Flatwasher Options:	
5	4751900		9/16in Flatwasher	
	4811900		M8 Flatwasher	
6	Use 0200819	1	Arm, Adjusting (was p/n 0200742)	
7		1	V-Belt Options:	
	0480121		110V/60Hz	
	0480120		110V/50Hz	
	0480120		220V/50Hz	
8	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
9	0100011	AR	Compound, Locking	
10	0641772	1	Bolt 7/16in-14NC x 9in	
11	4751600	6	Flatwasher 3/8in	
12	3574684	1	Plate, Box Mounting	
13	0761210	2	Bolt M12 x 20mm	
14	0962563	1	Bushing, Spacer (was p/n 0962653)	
15	3311605	1	Locknut 3/8in-16NC	
	3311705	1	Locknut 7/16in-14NC	

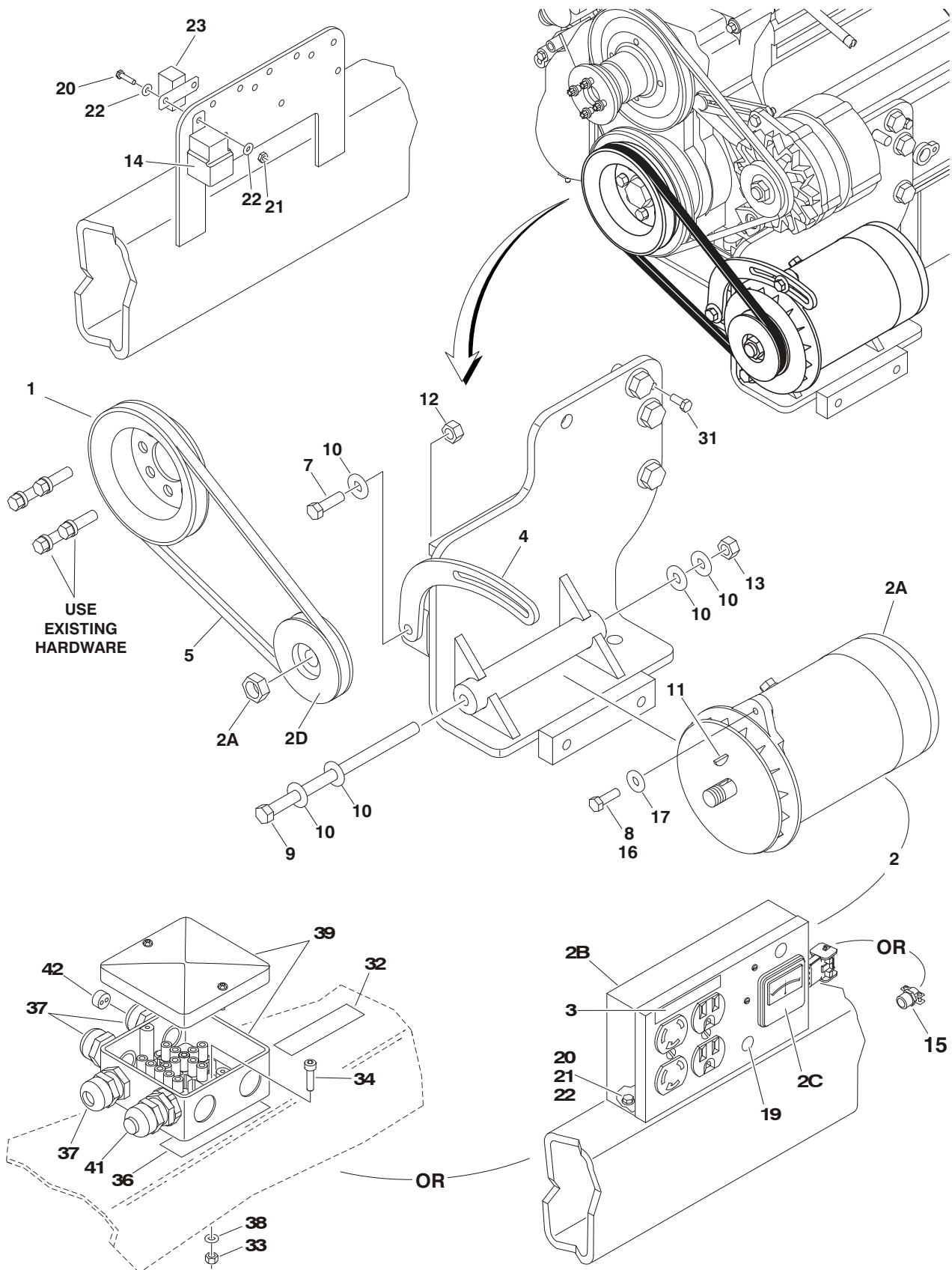
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FIGURE 2-28. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
16	3740080	1	Relay	
17	4460023	1	Connector, Strain Relief (SN 0300069000 to SN 0300082504)	
18	0641508	1	Bolt 5/16in-18NC x 1in	
19	4751500	1	Flatwasher 5/16in	
20	Not Used			
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	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	Not Used			
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28		AR	Decal - Voltage Options (Not Shown - Located at Platform & On Junction Box Bracket):	
	3251243		110V/60Hz	
	1705325		110V/50Hz	
	3252507		220V/50-60Hz	
29	2820031	.4in/10cm	Heatshrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	
31	4740397	1	Shim (Not Shown - Used on Toggle Switch at Platform)	
32	4240018	AR	Tie Strap (Not Shown)	
33	0962449	1	Bushing, Silicone	
34	3290505	2	Locknut M5	
35	4031608	2	Screw M5 x 20mm	
36	4460968	3	Relief, Strain	
37	4811600	2	Flatwasher M5	
38	4812100	2	Flatwasher M12	
39	1001099869	1	Box, Junction	
40	1001102644	1	Plate, Box Mounting	
41		1	Lamp, Red Options:	
	1001100233		110V/50Hz	
	1001100234		220V/50Hz	

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



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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATIONS	
	0272480	Ref	110V/60Hz (SN 0300069000 to SN 0300082504)	3/B
	0274082	Ref	110V/60Hz (SN 0300082504 to SN 0300139400)	3/C
	1001115405	Ref	110V/60Hz (SN 0300139400 to SN 0300140000)	A
	0272481	Ref	220V/50Hz (SN 0300069000 to SN 0300082504)(ANSI Export Specs Only)	3/B
	0274086	Ref	220V/50Hz (SN 0300082504 to SN 0300139400)(ANSI Export Specs Only)	1/A
	1001115409	Ref	220V/50Hz (SN 0300139400 to SN 0300140000)(ANSI Export Specs Only)	A
1	3580158	1	Pulley	
2		1	Generator and Control Box Assembly Options:	
	2460032		110V/60Hz Assembly (SN 0300069000 to SN 0300082504)	C
	2460055		110V/60Hz Assembly (SN 0300082504 to SN 0300140000)	A
	2460013		220V/50Hz Assembly (SN 0300069000 to SN 0300082504)	B
	2460056		220V/50Hz Assembly (SN 0300082504 to SN 0300140000)	A
2A		1	Generator Options:	
	7012558	1	110V/60Hz Replacement Generator	
	1001100321	1	220V/50Hz Replacement 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	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 Replacement Box (SN 0300069000 to SN 0300082504)	
	7019680		110V/60Hz Replacement Box (SN 0300082504 to SN 0300140000)	
	70002235		220V/50Hz Replacement Box (SN 0300069000 to SN 0300082504)	
	70000127		220V/50Hz Replacement Box (SN 0300082504 to SN 0300140000)	
		1	Breaker, Circuit Options:	
	4360542		110V	
	70000126		220V	
	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 (SN 0300069000 to SN 0300082504)	
	7020191	1	Switch, Toggle (SN 0300069000 to SN 0300082504)	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
2C		1	Voltmeter Options:	
	2420203		110V	
	7020192		220V	
2D		1	Pulley Options:	
	3580276		110V	
	3580134		220V	
	7027887		Key, Woodruff	
3		1	Decal - Voltage Options:	
	3251243		110V/60Hz	
	3252507		220V/50-60Hz (Not Shown - Located at Turntable)	
4	0200742	1	Arm, Adjusting	
5	0480121	1	V-Belt	
6	Not Used			
7	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
8	0100011	AR	Compound, Locking	
9	0641772	1	Bolt 7/16in-14NC x 9in	
10	4751600	6	Flatwasher 3/8in	
	4070585	1	Spacer 5/8inID x .010 Thick	
11	2860012	1	Key, Woodruff	
12	3311605	1	Locknut 3/8in-16NC	
13	3311705		Locknut 7/16in-14NC	
14	3740080	1	Relay	
15	4460023	1	Connector, Strain Relief (SN 0300069000 to SN 0300082504)	
16	0641508	1	Bolt 5/16in-18NC x 1in	
17	4751500	1	Flatwasher 5/16in	
18	Not Used			
19	3520028	1	Plug, Hole	
20	0721006	1	Bolt #10-24NC x 3/4in	
21	3311005	3	Locknut #10-24NC	
22	4751000	6	Flatwasher #10	
23	4360294	1	Breaker, Circuit - 30 Amp (SN 0300069000 to SN 0300082504)	
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	Not Used			
29	2820031	4in/10cm	Heatshrink (Not Shown - Located at Platform)	
30		1	Decal Options (Not Shown - Located at Platform):	
	3251102		110V - 60Hz	
	3252507		220V - 50Hz	
31	0641404	1	Bolt 1/4in-20NC x 1/2in	
32	3252507	1	Decal - 220V - 50Hz	
33	3290505	1	Locknut M5 x 0.8mm	
34	4031608	1	Bolt M5 x 20mm	
35	4240018	1	Tie Strap (Not Shown)	
36	4420060	1	Tape, Double Coated Acrylic Foam	
37	4460968	3	Connector, Strain Relief	
38	4811600	1	Flatwasher 5mm	
39	1001099869	1	Box, Junction	

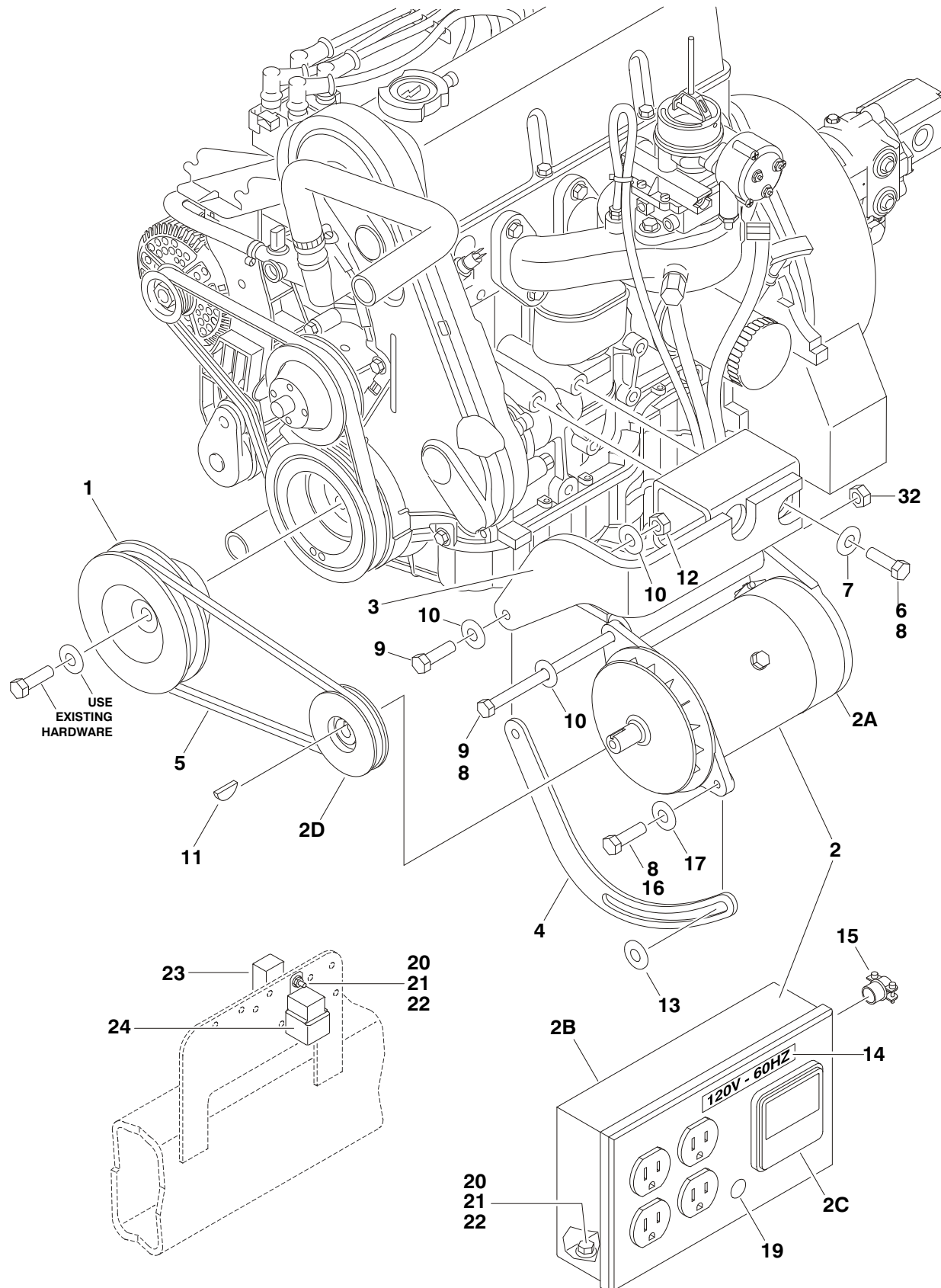
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FIGURE 2-29. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
40	Not Used			
41	1001100234	1	Light Red	
42	0962449	1	Bushing	

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**FIGURE 2-30. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL)
(SN 0300069000 TO SN 0300077500)**



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FIGURE 2-30. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300069000 TO SN 0300077500)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATION OPTIONS:	
	0271545	Ref	110V Generator	5
	0271546	Ref	220V Generator	4
1	3580250	1	Pulley	
2		1	Generator and Control Box Assemblies	
	2460032	1	110V/60Hz Assembly (SN 0300069000 to SN 0300069570)	C
	2460044	1	110V/60Hz Assembly (SN 0300069570 to SN 0300077500)	A
	2460013		220V/50Hz Assembly	B
2A		1	Generator Options:	
	7012558		110Volt Replacement Generator	
	1001100321		220Volt Replacement 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	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 Replacement Box	
	70002235		220V/50Hz Replacement Box	
		1	Circuit Breaker Options:	
	4360542		110V	
	70000126		220V	
	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	
	7020192		220V	
2D		1	Pulley Options:	
	3580276		110V/60Hz Pulley (SN 0300069000 to SN 0300069570)	
	3580307		110V/60Hz Pulley (SN 0300069570 to SN 0300077500)	
	3580134	1	220V/50Hz 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 (OPTIONAL) (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
5		1	V-Belt Options:	
	0480111		110V (SN 0300069000 to SN 0300073381)	
	0480134		110V (SN 0300073381 to SN 0300077500)	
	0480050		220V	
6	0701015	2	Bolt M10 x 35mm	
7	4812000	2	Flatwasher M10	
8	0100011	AR	Compound, Locking	
9	0641772	AR	Bolt 7/16in-14NC x 9in	
10	4751600	6	Flatwasher 3/8in	
11	2860012	1	Key, Woodruff	
12	3311605	1	Locknut 3/8in-16NC	
13	4564417	1	Spacer, Tube	
14		1	Nameplate, 120V - 60Hz (SN 0300069570 to SN 0300077500)	
	3251243		110V Assembly	
	Not Required		220V Assembly	
15	4460023	1	Connector, Strain Relief	
16	0641508	1	Bolt 5/16in-18NC x 1in	
17	4751500	2	Flatwasher 5/16in	
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	
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	Not Used			
32	3311705	1	Locknut 7/16in-14NC	

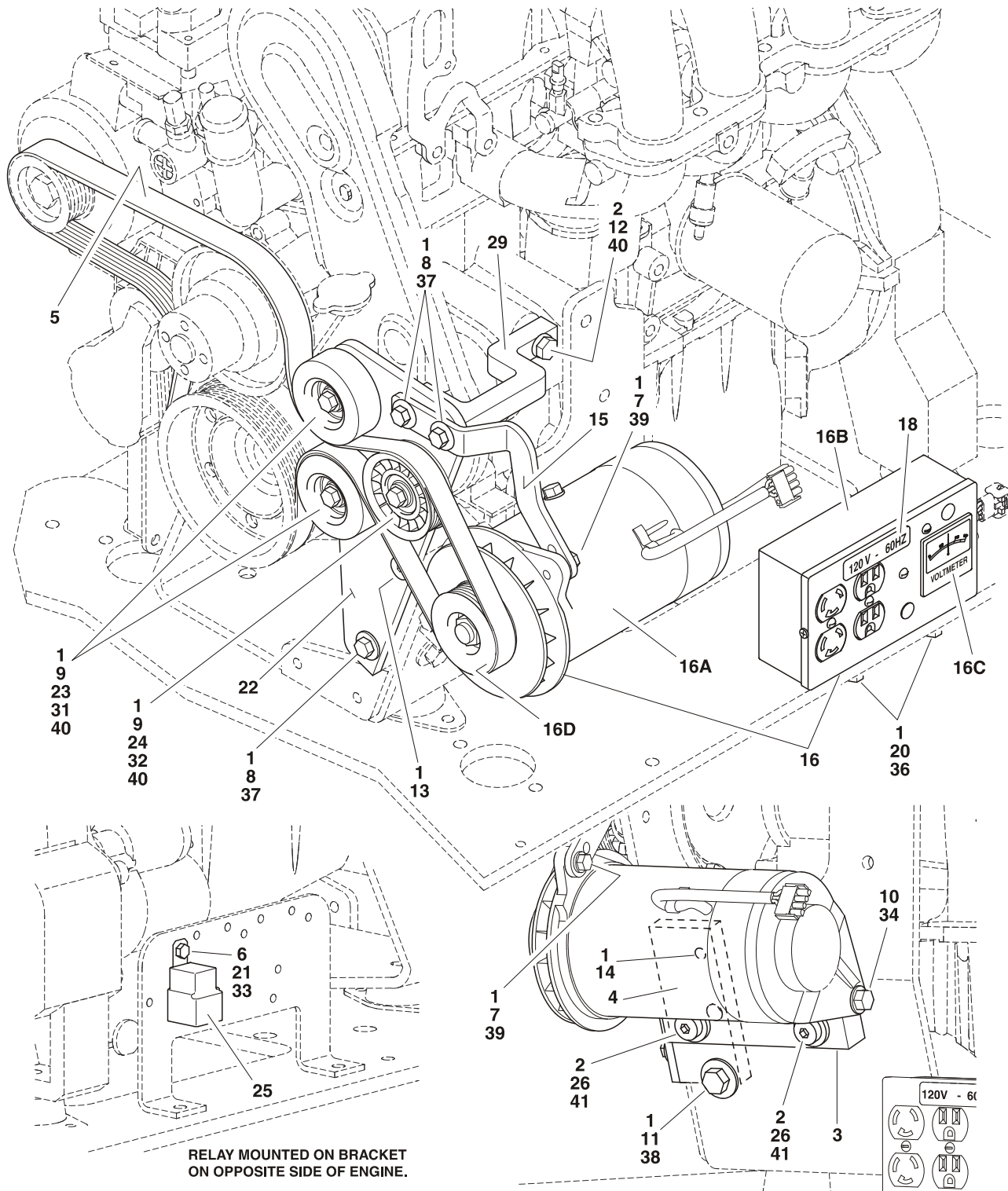
SECTION 2 TURNTABLE

FIGURE 2-30. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300069000 TO SN 0300077500) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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**FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL)
(SN 0300077500 TO SN 0300140000)**



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FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300077500 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GENERATOR INSTALLATION OPTIONS:	
	0273507	Ref	110V Generator with ADE System	C
	0273511	Ref	220V Generator with ADE System	C
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 Assembly	
	2460052		220V Assembly	
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.	
	7026199	1	110V/60Hz Armature with Slip Rings	
	70000123	1	220V/50Hz 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	
16B		1	Box, Control Options:	
	7019680		110V Assembly	
	70000127		220V Assembly	
		1	Breaker, Circuit Options:	
	4360542		110V	
	70000126		220V	
	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)	

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FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300077500 TO SN 0300140000) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
16C		1	Voltmeter Options:	
	2420203		110V	
	7020192		220V	
16D		1	Pulley Options:	
	3580324		110V	
	3580325		220V	
	7027887	1	Key, Woodruff	
17	2820031	AR	Heatshrink (Not Shown - Located at Platform)	
18		1	Decal	
	3251243		110V Generator	
	Use 3252507		220V Generator (was p/n 1702590)	
19	3251102	1	Nameplate (Not Shown - Located at Platform) (was p/n 3252764)	
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 Narrow	
34	4711700	2	Flatwasher 7/16in Narrow	
35	4740397	1	Spacer	
36	4751000	2	Flatwasher #10 Wide	
37	4751600	3	Flatwasher 3/8in Wide	
38	4751800	1	Flatwasher 1/2in Wide	
39	4891500	1	Flatwasher 5/16in Hardened	
40	4891600	4	Flatwasher 3/8in Hardened	
41	4892000	2	Flatwasher 5/8in Hardened	

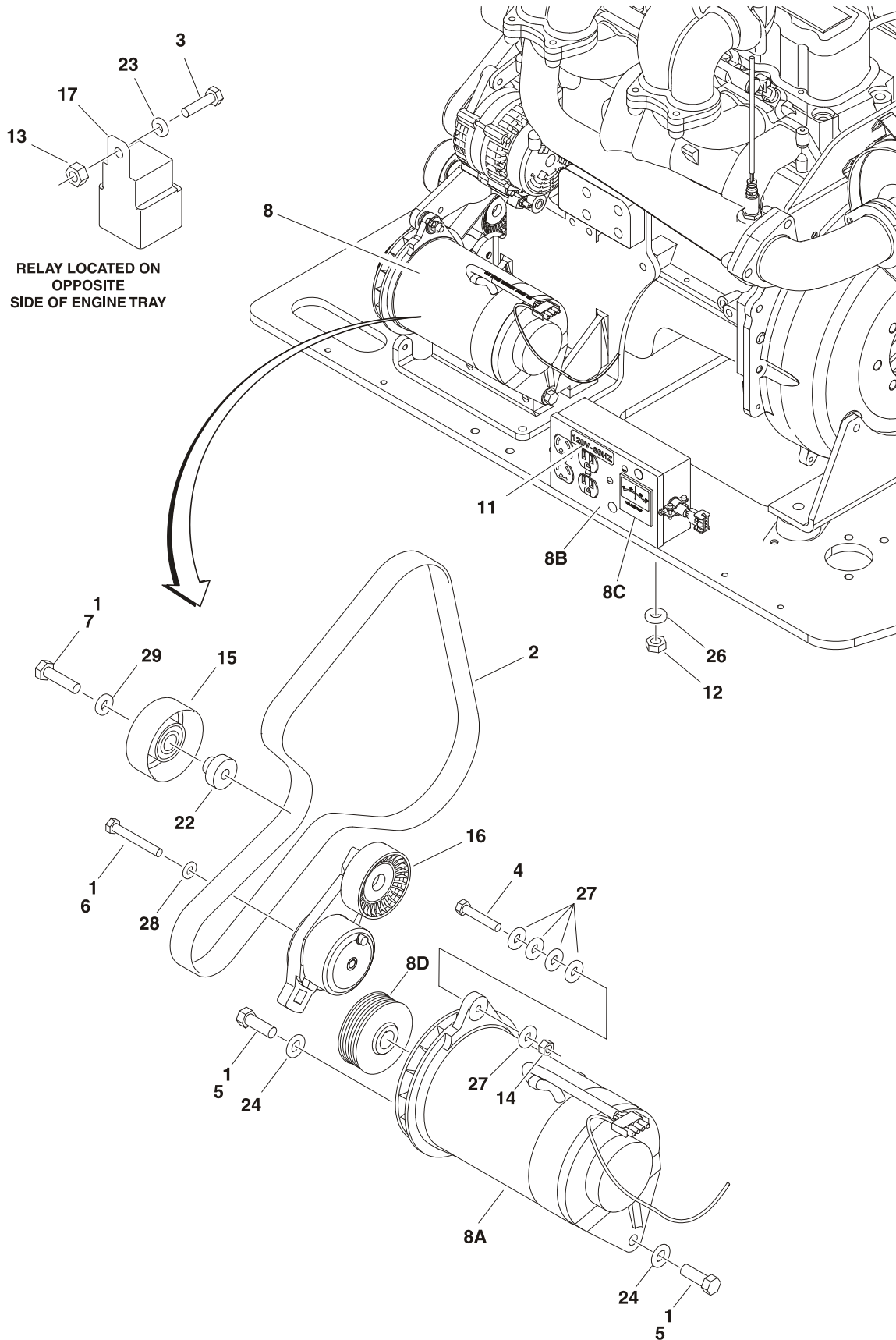
SECTION 2 TURNTABLE

FIGURE 2-31. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300077500 TO SN 0300140000) (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:	E
	0275039	Ref	110V Generator	
	See Note	Ref	220V Generator (Note: Not Available for Purchase.)	
		Ref	Note: Refer to Sky Power Accessories Manual P/N 3124242 for the Miller 7500W Generator.	
1	0100011	AR	Compound, Locking	
2	0480142	1	V-Belt	
3	0641405	1	Bolt 1/4in-20NC x 5/8in	
4		1	Bolt Options:	
	0641514		Bolt 5/16in-18NC x 1-3/4in (SN 0300069000 to SN 0300094699)	
	0641510		Bolt 5/16in-18NC x 1-1/4in (SN 0300094699 to SN 0300140000)	
5	0641710	2	Bolt 7/16in-14NC x 1-1/4in	
6	0700820	1	Bolt M8 x 60mm	
7	0701016	1	Bolt M10 x 340mm	
8	2460051	1	110V Generator and Control Box Assembly	
8A	7012558	1	110V Generator Assembly	
	7026199	1	110V 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	110V Control Box Assembly	
	4360542	1	Breaker, 110V Circuit	
	4460190	1	Receptacle, Double (110V Box)	
	4460027	1	Receptacle, Double Twist Lock (110V Box)	
8C	2420203	1	110V Voltmeter	
8D	3580324	1	110V Pulley	
	7027887	1	Key, Woodruff	
9	2820031	AR	Heatshrink (Not Shown - Located at Platform)	
10	33251102	1	Nameplate - Generator (Not Shown - Located at Platform)	
11		1	Decal - Voltage Options (Not Shown - Located at Platform):	
	3251243		110V/60Hz	
	1705325		110V/50Hz	
	3252507		220V/50-60Hz	
12	3311005	2	Locknut # 10-24NC	
13	3311405	1	Locknut 1/4in-20NC	
14	3311505	1	Locknut 5/16in-18NC (SN 0300069000 to SN 0300094699)	
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)	

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

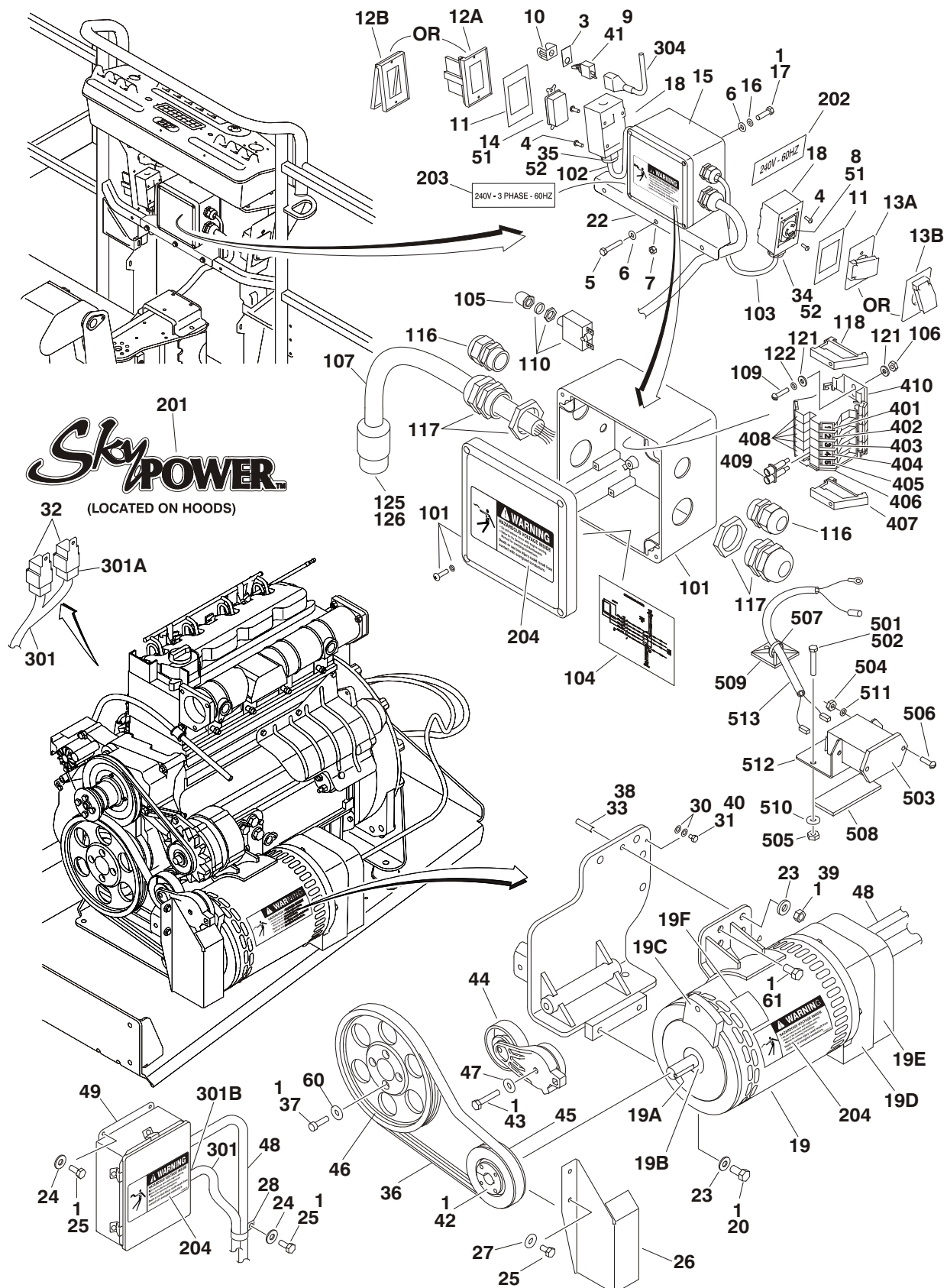
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
21	4460906	3	Terminal (Not Shown)	
22	4568735	1	Spacer, Tube (Idler Pulley Grooved)	
23	4711400	1	Flatwasher 1/4in Narrow	
24	4711700	2	Flatwasher 7/16in Narrow	
25	4740397	1	Spacer (Not Shown - Located at Platform)	
26	4751000	2	Flatwasher #10 Wide	
27	4751500	AR	Flatwasher 5/16in Wide	
28	4811900	1	Flatwasher M8	
29	4891600	1	Flatwasher 3/8in Hardened	

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 AND DEUTZ MACHINES (ANSI & CSA SPECS)



SECTION 2 TURNTABLE

FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ MACHINES (ANSI & CSA SPECS)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	7500W SKYPOWER GENERATOR INSTALLATION	
	0273540	Ref	60Hz & Caterpillar Engine SN 0300069000 to SN 0300139400	J
	1001115398	Ref	60Hz & Caterpillar Engine SN 0300139400 to SN 0300140000	A
	0272255	Ref	60Hz & Deutz Engine SN 0300069000 to SN 0300139400	L
	1001115387	Ref	60Hz & Deutz Engine SN 0300139400 to SN 0300140000	A
		Ref	Note: SkyPower Generator is Standard On ANSI & CSA Specs.	
		Ref	Note: Refer to SkyPower Accessories Manual p/n 3124242 for 50Hz Generator.	
		Ref	Note: See ELECTRICAL SECTION for Boom Cable Components.	
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 Narrow - Caterpillar Engine Only	
	4711500	10	Flatwasher 5/16in Narrow - Deutz Engine Only (SN 0300069000 to SN 0300108685)	
	4751500	7	Flatwasher 5/16in Wide - Deutz Engine Only (SN 0300108685 to SN 0300140000)	
7		3	Nut Options:	
	3311505		Locknut 5/16in-18NC - Caterpillar Engine Only	
	3311505		Locknut 5/16in-18NC - Deutz Engine Only (SN 0300069000 to SN 0300108685)	
	3311508		Nut 5/16in-18NC - Deutz Engine Only (SN 0300108685 to SN 0300140000)	
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	
12B	1001110873		Cover, Top Hinged	
13		1	Cover, Receptacle Options:	
13A	4061043		Cover, Side Hinged	
13B	1001110872		Cover, Top Hinged	
14	4460346	1	Receptacle	
15	0861542	1	Junction Box Assembly (See Items 101-127 for Breakdown)	
16	4761500	4	Flatwasher 5/16in (SN 0300069000 to SN 0300108685)	
17		4	Bolt Options:	
	0641505		Bolt 5/16in-18NC x 5/8in - Caterpillar Engine Only	
	0641505		Bolt 5/16in-18NC x 5/8in - Deutz Engine Only (SN 0300069000 to SN 0300108685)	
	0641508		Bolt 5/16in-18NC x 1in - Deutz Engine Only (SN 0300108685 to SN 0300140000)	
18	0860038	2	Box, Switch	

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
19		1	Generator Assembly Options:	
	2460050		Caterpillar Engine	
	2460048		Deutz Engine	
	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
	70001384	1	Bearing, Ball Radial (Not Shown)	
	70000863	1	Fan (Not Shown)	
		1	Stator Options (Not Shown):	
	70001969		2460050 Generator	
	70002088		2460048 Generator	
	70002297	1	Stud	
	Use 70003631	1	Brushholder Assembly with Brushes (Not Shown) (was p/n 7024484)	
19A	Use 70004171	1	Key (was p/n 7024561)	
19B	70001966	1	Bearing, Ball Radial (Located In Belt Tensioner Endbell)	
	70003708	1	Ring, Internal Retaining (Located in Belt Tensioner Endbell)	
	70003709	1	Ring, External Retaining (Located in Belt Tensioner Endbell)	
19C	70001953	1	Endbell, Belt Tensioner	
19D		1	Endbell, Brush Block Options (was p/n 70001385):	
	Use 70004170		Caterpillar Engine Machines	
	Use 70004169		Deutz Engine Machines	
19E		1	Shroud Options:	
	Use 70004170		Caterpillar Engine (was p/ns 70001970 & 70001971)	
	Use 70004169		Deutz Engine (was p/n 70002290)	
	7027799	1	Block, Connector 6 Position (Not Shown)	
	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
	7026597	1	Connector, W/Leads (Not Shown)	
	7026188	1	Clamp, Cable (Not Shown)	
		1	Plate, End Panel Options:	
	Use 70004170		Caterpillar Engine (was p/n 70001972)	
	Use 70004169		Deutz Engine (was p/n 70002255)	
	70001974	1	Decal - Terminal Connections	
19F	70001973	1	Decal - Warning Moving Parts	
20	0641808	AR	Bolt 1/2in-13NC x 1in	
21	Not Used			
22	0902888	1	Bracket, Box Mounting	
23	4711800	AR	Flatwasher 1/2in Narrow	
24	4711400	AR	Flatwasher 1/4in Narrow	
25	0641404	AR	Bolt 1/4in-20NC x 1/2in	
26		1	Shield Options:	
	Not Required		Caterpillar Engine	
	4061049		Deutz Engine	
27	4751400	2	Flatwasher 1/4in Wide	
28	1320318	AR	Clamp	
29	4240018	AR	Tie-strap (Not Shown)	
30	4791400	2	Starwasher 1/4in	

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
31		1	Bolt 1/4in-20NC Options:	
	0641406		Bolt 3/8in Length - Caterpillar Engine	
	0641406		Bolt 3/8in Length - Deutz Engine (SN 0300069000 to SN 0300108685)	
	0641404		Bolt 1/2in Length - Deutz Engine (SN 0300108685 to SN 0300140000)	
32	3740080	2	Relay	
33	0100019	AR	Compound, Locking	
34	4460051	1	Connector, Strain Relief	
35	4460071	1	Connector, Strain Relief	
36	0480129	1	Belt, Drive	
37		4	Bolt, Metric Options:	
	0700816		Caterpillar Engine (M8 x 40mm)(SN 0300069000 to SN 0300076283)	
	0700815		Caterpillar Engine (M8 x 35mm)(SN 0300076283 to SN 0300140000)	
	4032015		Deutz Engine (M10 x 55mm)	
38	4300157	1	Stud	
39	3311801	1	Nut 1/2in-13NC	
40	0100062	1	Loctite #RC680	
41	2820031	1	Insulator	
42	0962520	1	Bushing, Split Taper	
43		1	Bolt 3/8in-16NC x 2-1/4in Options:	
	3931632		Caterpillar Engine (Socket Head Capscrew) (SN 0300069000 to SN 0300096485)	
	0641618		Caterpillar Engine (Hex Head Bolt) (SN 0300096485 to SN 0300140000)	
	0641618		Deutz Engine (Hex Head Bolt)	
44	3580317	1	Tensioner, Belt (was p/n 70001975)	
45	3580318	1	Pulley	
46		1	Pulley Options:	
	3580321		Caterpillar Engine	
	3580320		Deutz Engine	
47	4711600	1	Flatwasher 3/8in Narrow	
48	4922925	1	Harness, Generator	
49	0861538	1	Control Box Assembly (was p/n 7024487)	
	7024488	1	Card, Circuit - Generator Power	
	See Note	1	Fuse (Note: Not Available - Purchase Locally.)	
	7024489	1	Card, Circuit - Control	
	70000619	1	Harness, Circuit Card	
50	Not Used			
51	4460315	4	Terminal - Deutz Engine Only (SN 0300108685 to SN 0300140000)	
52	0100020	AR	Pipe Sealant - Deutz Engine Only (SN 0300108685 to SN 0300140000)	
53 to 59	Not Used			
60	4811900	4	Flatwasher M8 (Caterpillar Engine Only)	
61	0771415	1	Bolt M14 x 35mm - Deutz Engine Only (SN 0300095348 to SN 0300140000)	

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ MACHINES (ANSI & CSA SPECS) (CONTINUED)

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	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 Wide	
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 401-410 for Break-down):	
	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	
	4933264	Ref	ELECTRICAL DIAGRAM COMPONENTS	C
301	4922757	1	Generator Harness	3/C
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 AND DEUTZ MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TERMINAL BLOCK ASSEMBLY	
	NPN	Ref	Gray Terminal Block Assembly (Complete Assembly Not Available - Purchase Individual Components)	
	1001121340	Ref	Tan Terminal Block Assembly	A
401		2	Marker Strip #1 Options:	
	4460411		Gray Terminal Block Assembly	
	70002818		Tan Terminal Block Assembly	
402		4	Marker Strip #2 Options:	
	4460412		Gray Terminal Block Assembly	
	70002819		Tan Terminal Block Assembly	
403		2	Marker Strip #3 Options:	
	4460413		Gray Terminal Block Assembly	
	70002820		Tan Terminal Block Assembly	
404		2	Marker Strip #4 Options:	
	4460414		Gray Terminal Block Assembly	
	70002821		Tan Terminal Block Assembly	
405		4	Marker Strip #5 Options:	
	4460415		Gray Terminal Block Assembly	
	70002822		Tan Terminal Block Assembly	
406		1	Terminal, End Barrier Options:	
	4460956		Gray Terminal Block Assembly	
	70002823		Tan Terminal Block Assembly	
407		2	Terminal, End Block Options:	
	4460607		Gray Terminal Block Assembly	
	70002824		Tan Terminal Block Assembly	
408		7	Terminal, Block Options:	
	4460957		Gray Terminal Block Assembly	
	70002825		Tan Terminal Block Assembly	
409		2	Terminal, Cross Connector Jumper Options:	
	4461001		Gray Terminal Block Assembly (SN 0300072914 to SN 0300140000)	
	70002826		Tan Terminal Block Assembly	
410		1	Rail, Relay Options:	
	3640986		SN 0300069000 to SN 0300072914	
	3641533		SN 0300072914 to SN 0300140000	
	1001094475	Ref	HOURLY METER INSTALLATION	B
501	0100011	AR	Compound, Locking	
502	0720808	1	Screw #8-32 x 1in	
503	2420165	1	Hourmeter	
504	3310604	2	Nut #6-32	
505	3310805	1	Locknut #8-32	
506	3910608	2	Screw #6-32 x 1/2in	
507	4240032	4	Strap, Tie	
508	4420060	3in/7cm	Tape, Double-Sided	
509	4460234	3	Mount, Tie Strap	
510	4750800	1	Washer #8	

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FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ MACHINES (ANSI & CSA SPECS) (CONTINUED)

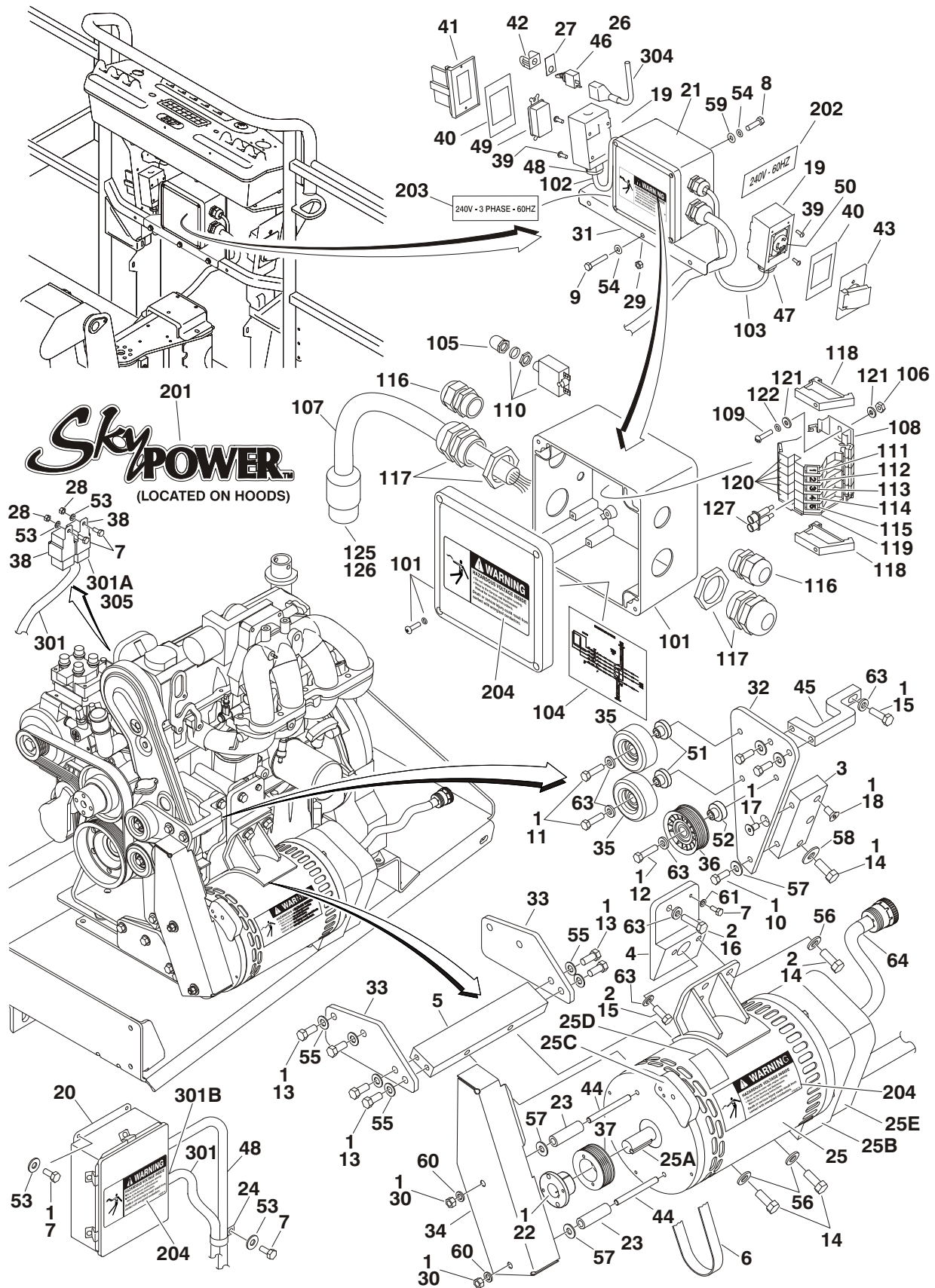
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
511	4760600	2	Lockwasher #6	
512	1001094375	1	Bracket, Hourmeter	
513	1001094509	1	Harness, Hourmeter	

FIGURE 2-33. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD MACHINES (ANSI & CSA SPECS)



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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD MACHINES (ANSI & CSA SPECS)

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 Components.	
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	0861538	1	Control Box Assembly (was p/n 7024487)	
	7024488	1	Card, Circuit - Generator Power	
	See Note	1	Fuse (Note: Not Available - Purchase Locally.)	
	7024489	1	Card, Circuit - Control	
	70000619	1	Harness, Circuit Card	
21	0861542	1	Junction Box Assembly (See Items 101-127 for Breakdown)	
22	0962520	1	Bushing, Split Taper	
23	0962521	2	Spacer, Tube	
24		1	Clamp Options:	
	1320041		SN 0300069000 to SN 0300080688	
	1320224		SN 0300080688 to SN 0300140000	
25	2460048	1	Generator Assembly	
	Use 70003631	1	Brushholder Assembly with Brushes (Not Shown) (was p/n 7024484)	
	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
	70001974	1	Decal - Terminal Connections	
	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
	70001100	1	Rotor (Not Shown)	
	70000863	1	Fan (Not Shown)	
	70001384	1	Bearing, Ball Radial (Not Shown)	
	70001966	1	Bearing, Ball Radial (Located In Belt Tensioner Endbell - Not Shown)	
	7027799	1	Block, Connector 6 Position (Not Shown)	
	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	

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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25 (cont'd)	7026188	1	Clamp, Cable (Not Shown)	
	7026597	1	Connector, W/Leads (Not Shown)	
	70002088	1	Stator (Not Shown):	
25A	Use 70004171	1	Key (was p/n 7024561)	
25B	Use 70004169	1	Endbell, Brush Block (was p/n 70001385)	
25C	70001953	1	Endbell, Belt Tensioner	
25D	70001973	1	Decal - Warning Moving Parts	
25E	Use 70004169	1	Shroud Assy Endbell (Rear) (was p/n 70002290)	
	Use 70004169	1	Plate, End Panel (was p/n 70002255)	
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 Narrow	
54	4711500	10	Flatwasher 5/16in Narrow	
55	4711700	8	Flatwasher 7/16in Narrow	
56	4711800	4	Flatwasher 1/2in Narrow	
57	4751600	5	Flatwasher 3/8in	
58	4751800	1	Flatwasher 1/2in	
59	4761500	4	Flatwasher 5/16in	
60	4761600	2	Flatwasher 3/8in	
61	4791400	1	Starwasher 1/4in	
62	Not Used			
63	4891600	6	Washer, Hardened 3/8in	
64	4922925	1	Harness, Generator	

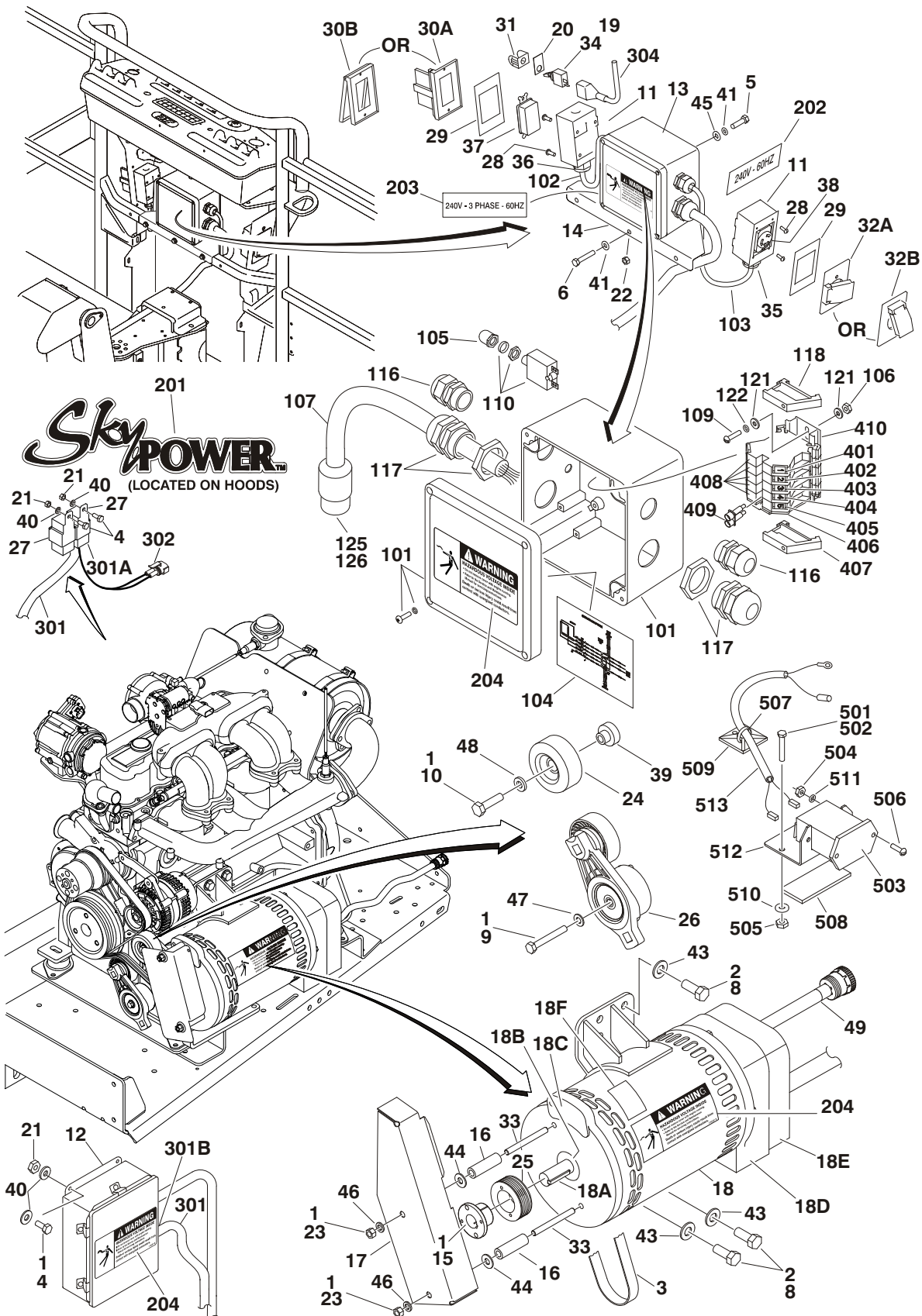
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FIGURE 2-34. 7500W SKYPOWER GENERATOR INSTALLATION - FORD MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0861542	Ref	JUNCTION BOX ASSEMBLY	C
101	0861541	1	Box, Junction	
102	1060494	2ft/.6m	Cable, Electrical 12/3	
103	1060708	2.5ft/.76m	Cable, Electrical 10/3	
104	1705376	1	Decal - Wiring Schematic	
105	3300396	1	Cover, Fuse	
106	3310601	2	Nut #6-32NC	
107	1060343	1.5ft/.46m	Cable, Electrical 10/4	
108		1	Rail, Relay Options:	
	3640986		SN 0300069000 to SN 0300072914	
	3641533		SN 0300072914 to SN 0300140000	
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 Wide	
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 (SN 0300072914 to SN 0300140000)	
	0272435	Ref	DECAL INSTALLATION	A
201	1705460	2	Decal - SkyPower™	
202	1705374	1	Decal - 240V - 60Hz	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	4933283	Ref	ELECTRICAL DIAGRAM COMPONENTS	2/B
301	4922905	1	Generator Harness	2/B
301A	4460374	2	Plug, Sealed Relay	
	4460375	7	Terminal	
301B	4460967	1	Plug, Male - 3 Position	
	4460465	3	Socket, Female	
301C	2400060	2	Fuseholder (Not Shown)	
	2400064	2	Fuse - 5 Amp (Not Shown)	
302 to 303	Not Used			
304	4922641	1	Switch Harness	
305	4460375	1	Terminal	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM MACHINES (ANSI & CSA SPECS)



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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM MACHINES (ANSI & CSA SPECS)

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 Components.	
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	Not Used			
8	0641808	4	Bolt 1/2in-13NC x 1-1/4in	
9	0700820	1	Bolt, Metric M8 x 60mm	
10	0701016	1	Bolt, Metric M10 x 40mm	
11	0860038	2	Box, Switch	
12	0861538	1	Control Box Assembly (was p/n 7024487)	
	7024488	1	Card, Circuit - Generator Power	
	See Note	1	Fuse (Note: Not Available - Purchase Locally.)	
	7024489	1	Card, Circuit - Control	
	70000619	1	Harness, Circuit Card	
13	0861542	1	Junction Box Assembly (See Items 101-127 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	
	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
	70001384	1	Bearing, Ball Radial (Not Shown)	
	70000863	1	Fan (Not Shown)	
	70002088	1	Stator (Not Shown)	
	70002297	1	Stud (Not Shown)	
	Use 70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
18A	Use 70004171	1	Key (was p/n 7024561)	
18B	70001966	1	Bearing, Shaft (Front)	
18C	70001953	1	Endbell (Front)	
18D	Use 70004169	1	Endbell, Brush Block (was p/n 70001385)	
18E	Use 70004169	1	Shroud Assy Endbell (Rear) (was p/n 70002290)	
	7027799	1	Block, Connection - 6 Position (Not Shown)	
	70002460	6	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
	7026597	1	Connector, W/Lead (Not Shown)	
	7026188	1	Connector, Clamp (Not Shown)	
	Use 70004169	1	Plate, End Panel (Not Shown) (was p/n 70002255)	
	70001974	1	Decal - Terminal Connections (Not Shown)	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
18F	70001973	1	Decal - Warning Moving Parts	C
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	
30B	1001110873		Cover, Top Hinged	
31	4060802	1	Guard, Switch	
32		1	Cover, Receptacle Options:	
32A	401043		Cover, Side Hinged	
32B	1001110872		Cover, Top Hinged	
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 Narrow	
41	4711500	10	Flatwasher 5/16in Narrow	
42	Not Used			
43	4711800	4	Flatwasher 1/2in Narrow	
44	4751600	2	Flatwasher 3/8in Wide	
45	4761500	4	Lockwasher 5/16in	
46	4761600	2	Lockwasher 3/8in	
47	4811900	1	Flatwasher M8	
48	4891600	1	Washer, Hardened 3/8in	
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				
109	3910610	2	Bolt #6-32NC x 5/8in	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
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 Wide	
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 401-410 for Break-down):	
	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	
		Ref	TERMINAL BLOCK ASSEMBLY	
	NPN	Ref	Gray Terminal Block Assembly (Complete Assembly Not Available - Purchase Individual Components)	
	1001121340	Ref	Tan Terminal Block Assembly	A
401		2	Marker Strip #1 Options:	
	4460411		Gray Terminal Block Assembly	
	70002818		Tan Terminal Block Assembly	
402		4	Marker Strip #2 Options:	
	4460412		Gray Terminal Block Assembly	
	70002819		Tan Terminal Block Assembly	

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FIGURE 2-35. 7500W SKYPOWER GENERATOR INSTALLATION - GM MACHINES (ANSI & CSA SPECS) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
403	4460413 70002820	2	Marker Strip #3 Options: Gray Terminal Block Assembly Tan Terminal Block Assembly	A
404	4460414 70002821	2	Marker Strip #4 Options: Gray Terminal Block Assembly Tan Terminal Block Assembly	
405	4460415 70002822	4	Marker Strip #5 Options: Gray Terminal Block Assembly Tan Terminal Block Assembly	
406	4460956 70002823	1	Terminal, End Barrier Options: Gray Terminal Block Assembly Tan Terminal Block Assembly	
407	4460607 70002824	2	Terminal, End Block Options: Gray Terminal Block Assembly Tan Terminal Block Assembly	
408	4460957 70002825	7	Terminal, Block Options: Gray Terminal Block Assembly Tan Terminal Block Assembly	
409	4461001 70002826	2	Terminal, Cross Connector Jumper Options: Gray Terminal Block Assembly Tan Terminal Block Assembly	
410	3641533	1	Rail, Relay	
	1001094475	Ref	HOURLMETER INSTALLATION	
501	0100011	AR	Compound, Locking	
502	0720808	1	Screw #8-32 x 1in	
503	2420165	1	Hourmeter	
504	3310604	2	Nut #6-32	
505	3310805	1	Locknut #8-32	
506	3910608	2	Screw #6-32 x 1/2in	
507	4240032	4	Strap, Tie	
508	4420060	3in/7cm	Tape, Double-Sided	
509	4460234	3	Mount, Tie Strap	
510	4750800	1	Washer #8	
511	4760600	2	Lockwasher #6	
512	1001094375	1	Bracket, Hourmeter	
513	1001094509	1	Harness, Hourmeter	

SECTION 3 BOOM

SECTION 3 BOOM

FIGURE 3-1. BOOM AND CYLINDER INSTALLATION - 800A

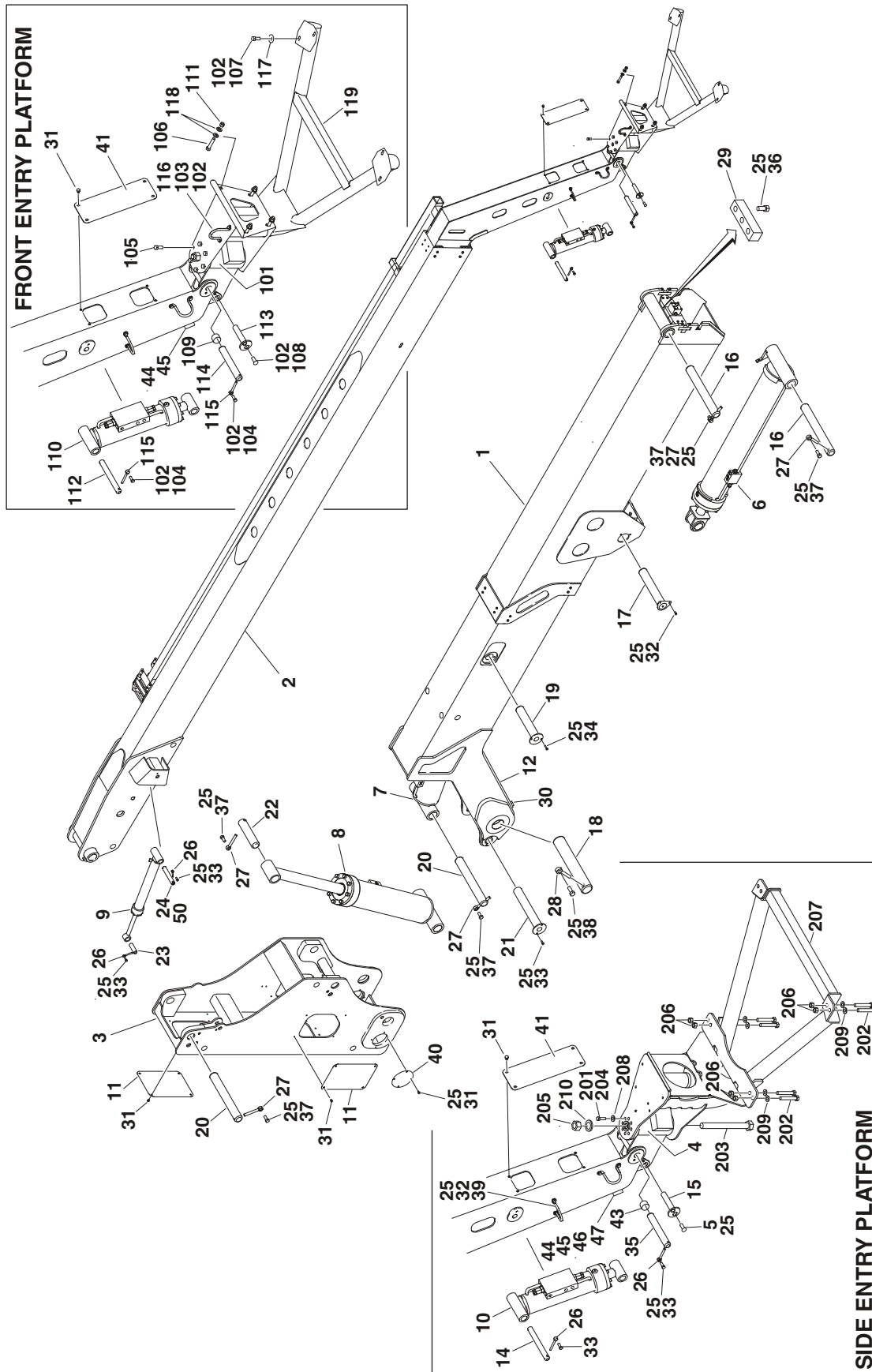


FIGURE 3-1. BOOM AND CYLINDER INSTALLATION - 800A

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	BOOMS AND CYLINDERS INSTALLATIONS	
	0257760	Ref	FRONT ENTRY PLATFORM	E
	0272381	Ref	SIDE ENTRY PLATFORM	E
1	0801132	1	Boom Assembly -Tower (See TOWER BOOM ASSEMBLY for Breakdown)	
2	0801135	1	Boom Assembly - Main (See MAIN BOOM ASSEMBLIES for Breakdown)	
3	4845593	1	Upright Weldment	
4		1	Rotator Actuator Assembly Options:	
	See Note		Front Entry Platform (Note: See Item 101)	
	0060069		Side Entry Platform (See ROTATOR ASSEMBLY for Breakdown)	
5	0741607	1	Screw, Countersunk 3/8in-16NC x 7/8in	
6	1683537	1	Lift Cylinder Assembly - Tower Boom (See CYLINDER SECTION for Breakdown)	
7	Use 1684497	1	Level Cylinder Assembly - Upright (See CYLINDER SECTION for Breakdown) (was p/n 1683546)	
8	1683547	1	Lift Cylinder Assembly - Main Boom (See CYLINDER SECTION for Breakdown)	
9	1683608	1	Master Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
10	Use 1684408	1	Slave Cylinder Assembly (See CYLINDER SECTION for Breakdown) (was p/n 1683610)	
11	1670844	4	Cover, Upright	
12	1670850	1	Cover, Tower Fly	
13	Not Used			
14	3422578	1	Pin	
15	3422580	1	Pin	
16	3422681	2	Pin	
17	3422729	1	Pin	
18	3422683	1	Pin	
19	3422684	1	Pin	
20	3422685	2	Pin	
21	3422686	1	Pin	
22	3422687	1	Pin	
23	3422688	1	Pin	
24	3422689	1	Pin	
25	0100011	AR	Compound, Locking	
26	3841143	2	Keeper, Pin	
27	3841287	5	Keeper, Pin	
28	3841356	1	Keeper, Pin	
29	3340835	1	Pad, Rest	
30	0641404	4	Bolt 1/4in-20NC x 1/2in	
31	0641604	28	Bolt 3/8in-16NC x 1/2in	
32	0641606	6	Bolt 3/8in-16NC x 3/4in	
33	0641608	6	Bolt 3/8in-16NC x 1in	
34	0641611	2	Bolt 3/8in-16NC x 1-3/8in	
35	3422582	1	Pin	
36	0641820	3	Bolt 1/2in-13NC x 2-1/2in	

SECTION 3 BOOM

FIGURE 3-1. BOOM AND CYLINDER INSTALLATION - 800A (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
37	0642214	5	Bolt 3/4in-10NC x 1-3/4in	D
38	0642620	1	Bolt 1in-8NC x 2-1/2in	
39	3841340	1	Rod, Hose Loop	
40	1120510	1	Cover, Upright	
41	1670864	1	Cover, Fly Hose	
42	Not Used			
43	0961951	2	Bearing, Garmax	
44		1	Bolt Options:	
	0641514		Bolt 5/16in-18NC x 1-3/4in (SN 0300069000 to SN 0300110181)	
	0641516		Bolt 5/16in-18NC x 2in (SN 0300110181 to SN 0300140000)	
45	1320159	1	Clamp	
46	4711500	1	Flatwasher 5/16in Narrow (SN 0300110181 to SN 0300140000)	
47	3311505	1	Locknut 5/16in x 18NC (SN 0300110181 to SN 0300140000)	
48 to 49	Not Used			
50	3900239	1	Setscrew 3/8in-16NC x 1/2in	
	0258765	Ref	ROTATOR AND SUPPORT INSTALLATION (FRONT ENTRY PLATFORM)	
101	Use 0060077	1	Rotator Actuator Assembly (was p/n 0060041) (See ROTATOR ASSEMBLY for Breakdown) (Note: Use p/n 0060069 for machines equipped with Fall Arrest Platforms.)	
102	0100011	AR	Compound, Locking	
103	0641606	2	Bolt 3/8in-16NC x 3/4in	
104	0641608	2	Bolt 3/8in-16NC x 1in	
105	0641810	6	Bolt 1/2in-13NC x 1-1/4in	
106	0641820	4	Bolt 1/2in-13NC x 2-1/2in	
107	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8)	
108	0741607	1	Screw, Countersunk 3/8in-16NC x 7/8in	
109	0961951	2	Bearing, Garmax	
110	Use 1684408	1	Slave Cylinder Assembly (See CYLINDER SECTION for Breakdown) (was p/n 1683610)	
111	3311805	4	Locknut 1/2in-13NC	
112	3422578	1	Pin	
113	3422580	1	Pin	
114	3422582	1	Pin	
115	3841143	2	Keeper, Pin	
116	3841340	1	Rod, Hose Loop	
117	4711600	4	Flatwasher 3/8in Narrow	
118	4711800	8	Flatwasher 1/2in Narrow	
119		1	Support Weldment Options:	
	4845703		Standard Machines	
	See Note		Machines with SkyGlazier (Note: Refer to JLG Supplement p/n 3124242 for Replacement Parts.)	

FIGURE 3-1. BOOM AND CYLINDER INSTALLATION - 800A (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM SUPPORT INSTALLATION (SIDE ENTRY PLATFORM)	
	0272070	Ref	Machines without Load Sensing and without SkyGlazier	D
	See Note	Ref	Machines without Load Sensing and with SkyGlazier (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124242.)	
	See Note	Ref	Machines with Load Sensing and without SkyGlazier (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124287.)	
	See Note	Ref	Machines with Load Sensing and with SkyGlazier (Note: For Replacement Parts, Contact JLG Customer Service and Request Manual p/n 3124287.)	
201	0100011	AR	Compound, Locking	
202	0641812	8	Bolt 1/2in-13NC x 1-1/2in	
203	0642684	1	Bolt 1in-8NC x 10-1/2in	
204	0681608	8	Bolt 3/8in-16NC x 1in	
205	3272605	1	Locknut 1in-8NC	
206	3311805	8	Locknut 1/2in-13NC	
207	4846573	1	Support Weldment	
208	4891600	8	Flatwasher 3/8in (Hardened)	
209	4891800	8	Flatwasher 1/2in (Hardened)	
210	4892600	1	Flatwasher 1in (Hardened)	

SECTION 3 BOOM

FIGURE 3-2. BOOM AND CYLINDER INSTALLATION - 800AJ

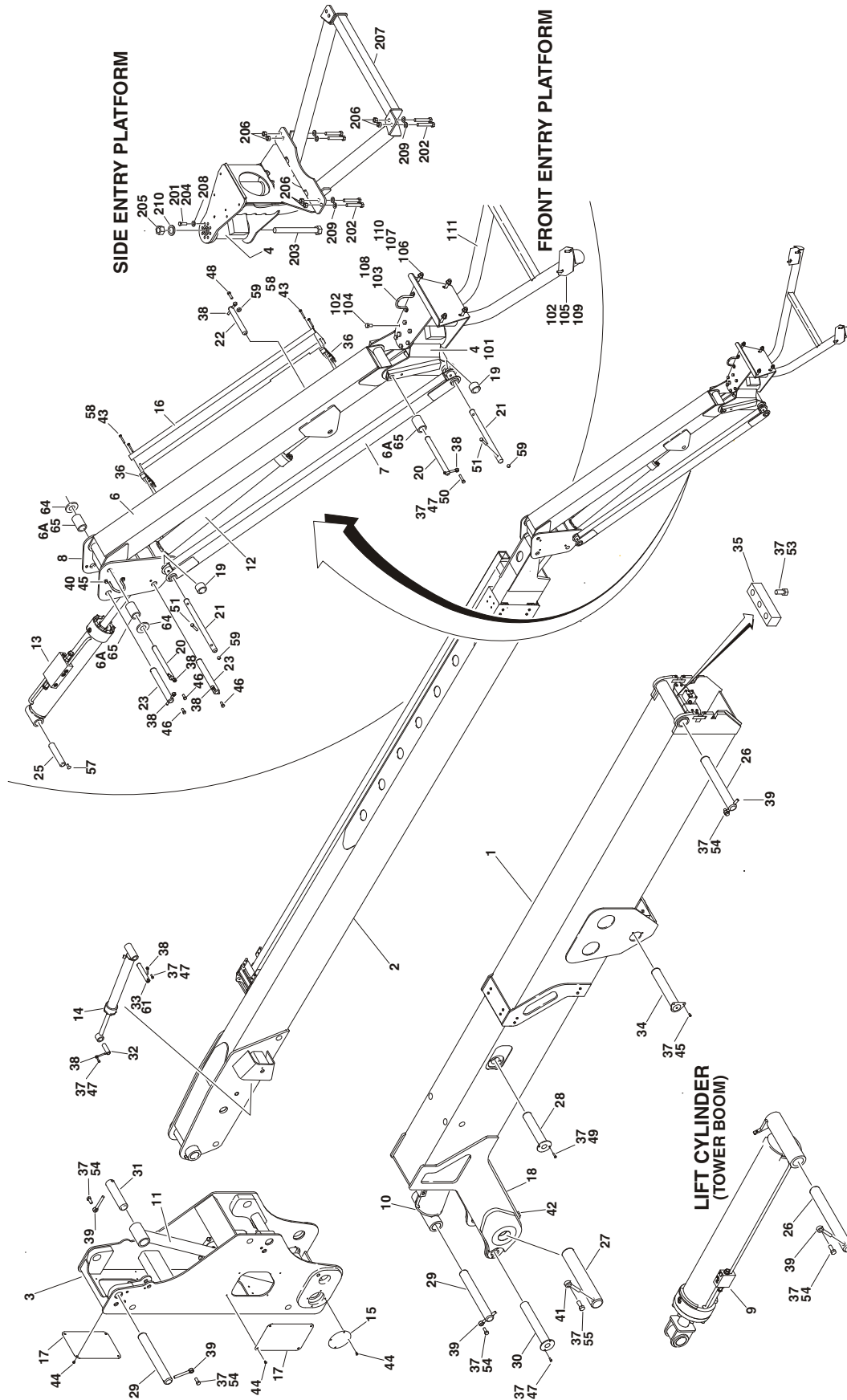


FIGURE 3-2. BOOM AND CYLINDER INSTALLATION - 800AJ

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	BOOMS AND CYLINDERS INSTALLATION	
	0257761	Ref	FRONT ENTRY PLATFORM	C
	0272131	Ref	SIDE ENTRY PLATFORM	H
1	0801132	1	Boom Assembly -Tower (See TOWER BOOM ASSEMBLY for Breakdown)	
2	0801136	1	Boom Assembly - Main (See MAIN BOOM ASSEMBLIES for Breakdown)	
3	4845593	1	Upright Weldment	
4		1	Rotator Actuator Assembly Options:	
	Use 1001103095		Front Entry Platform (was p/n 0060031) (See ROTATOR ASSEMBLY for Breakdown) (Note: Use p/n 0060066 for machines equipped with Fall Arrest Platforms.)	
	0060066		Side Entry (See ROTATOR ASSEMBLY for Breakdown)	
5	Not Used			
6	4844816	1	Tube Weldment - Jib Top	
6A	0962335	4	Bearing, Composite	
7	4844817	2	Tube Weldment - Jib Bottom	
8	4845716	1	Pivot Weldment	
9	1683537	1	Lift Cylinder Assembly - Tower Boom (See CYLINDER SECTION for Breakdown)	
10	Use 1684497	1	Level Cylinder Assembly - Upright (See CYLINDER SECTION for Breakdown) (was p/n 1683546)	
11	1683547	1	Lift Cylinder Assembly - Main Boom (See CYLINDER SECTION for Breakdown)	
12	1683609	1	Lift Cylinder Assembly - Jib (See CYLINDER SECTION for Breakdown)	
13	Use 1684228	1	Slave Cylinder Assembly (See CYLINDER SECTION for Breakdown) (was p/n 1683677)	
14	1683682	1	Master Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
15	1120510	4	Cover, Upright	
16	1670769	1	Cover, Cable	
17	1670844	4	Cover, Upright	
18	1670850	1	Cover, Tower Fly	
19	0961947	AR	Bearing, Garmax	
20	3422860	AR	Pin (SN 0300069000 to SN 0300140000)	
21	3422861	2	Pin (SN 0300069000 to SN 0300140000)	
22	3422867	1	Pin (SN 0300069000 to SN 0300140000)	
23	3422561	2	Pin	
24	Not Used			
25	3422583	1	Pin	
26	3422681	2	Pin	
27	3422683	1	Pin	
28	3422684	1	Pin	
29	3422685	2	Pin	
30	3422686	1	Pin	
31	3422687	1	Pin	
32	3422688	1	Pin	
33	3422689	1	Pin	

SECTION 3 BOOM

FIGURE 3-2. BOOM AND CYLINDER INSTALLATION - 800AJ (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34	3422729	1	Pin	E
35	3340835	1	Pad, Rest	
36	0561237	2	Clamp, Block	
37	0100011	AR	Compound, Locking	
38	3841143	7	Keeper, Pin	
39	3841287	5	Keeper, Pin	
40	3841340	1	Rod, Hose Loop	
41	3841356	1	Keeper, Pin	
42	0641404	4	Bolt 1/4in-20NC x 1/2in	
43	0641416	4	Bolt 1/4in-20NC x 2in	
44	0641604	24	Bolt 3/8in-16NC x 1/2in	
45	0641606	4	Bolt 3/8in-16NC x 3/4in	
46	0641607	3	Bolt 3/8in-16NC x 7/8in	
47	0641608	AR	Bolt 3/8in-16NC x 1in	
48	0641611	1	Bolt 3/8in-16NC x 1-3/8in	
49		2	Bolt Options:	
	0641612		Bolt 3/8in-16NC x 1-1/2in (SN 0300069000 to SN 0300099629)	
	0641611		Bolt 3/8in-16NC x 1-3/8in (SN 0300099629 to SN 0300140000)	
50	0641614	1	Bolt 3/8in-16NC x 1-3/4in (Front Entry Platform Only)	
51	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
52	Not Used			
53	0641820	3	Bolt 1/2in-13NC x 2-1/2in	
54	0642214	5	Bolt 3/4in-10NC x 1-3/4in	
55	0642620	1	Bolt 1in-8NC x 2-1/2in	
56	Not Used			
57	0741607	1	Screw, Countersunk 3/8in-16NC x 7/8in	
58	2080044	4	Rivnut 1/4in-20NC	
59	3311605	5	Locknut 3/8in-16NC	
60	Not Used			
61	3900239	1	Setscrew 3/8in-16NC x 1/2in	
62 to 63	Not Used			
64	4740439	2	Washer, Thrust	
65	0962335	4	Bearing, Composite (SN 0300069000 to SN 0300096488)	
	0258766	Ref	ROTATOR AND SUPPORT INSTALLATION (FRONT ENTRY PLATFORM)	
101	See Item 4	1	Rotator Actuator Assembly (See ROTATOR ASSEMBLY for Breakdown)	
102	0100011	AR	Compound, Locking	
103	0641606	2	Bolt 3/8in-16NC x 3/4in	
104	0641810	6	Bolt 1/2in-13NC x 1-1/4in	
105	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8)	
106	0641820	4	Bolt 1/2in-13NC x 2-1/2in	
107	3311805	4	Locknut 1/2in-13NC	
108	3841340	1	Rod, Hose Loop	
109	4711600	4	Flatwasher 3/8in Narrow	
110	4711800	8	Flatwasher 1/2in Narrow	

FIGURE 3-2. BOOM AND CYLINDER INSTALLATION - 800AJ (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
111	4844790 See Note	1	Support Weldment Options: Standard Machines Machines with SkyGlazier (Note: Refer to JLG Supplement p/n 3124242 for Replacement Parts.)	D
		Ref	PLATFORM SUPPORT INSTALLATION (SIDE ENTRY PLATFORM)	
	0272070	Ref	Machines without Load Sensing and without SkyGlazier	
	See Note	Ref	Machines without Load Sensing and with SkyGlazier (Note: Refer to JLG Supplement p/n 3124242 for Components.)	
	See Note	Ref	Machines with Load Sensing and without SkyGlazier (Note: Refer to JLG Supplement p/n 3124287 for Components)	
	See Note	Ref	Machines with Load Sensing and with SkyGlazier (Note: Refer to JLG Supplement p/n 3124287 for Components)	
201	0100011	AR	Compound, Locking	
202	0641812	8	Bolt 1/2in-13NC x 1-1/2in	
203	0642684	1	Bolt 1in-8NC x 10-1/2in	
204	0681608	8	Bolt 3/8in-16NC x 1in	
205	3272605	1	Locknut 1in-8NC	
206	3311805	8	Locknut 1/2in-13NC	
207	4846573	1	Support Weldment	
208	4891600	8	Flatwasher 3/8in (Hardened)	
209	4891800	8	Flatwasher 1/2in (Hardened)	
210	4892600	1	Flatwasher 1in (Hardened)	

SECTION 3 BOOM

FIGURE 3-3. TOWER BOOM ASSEMBLY

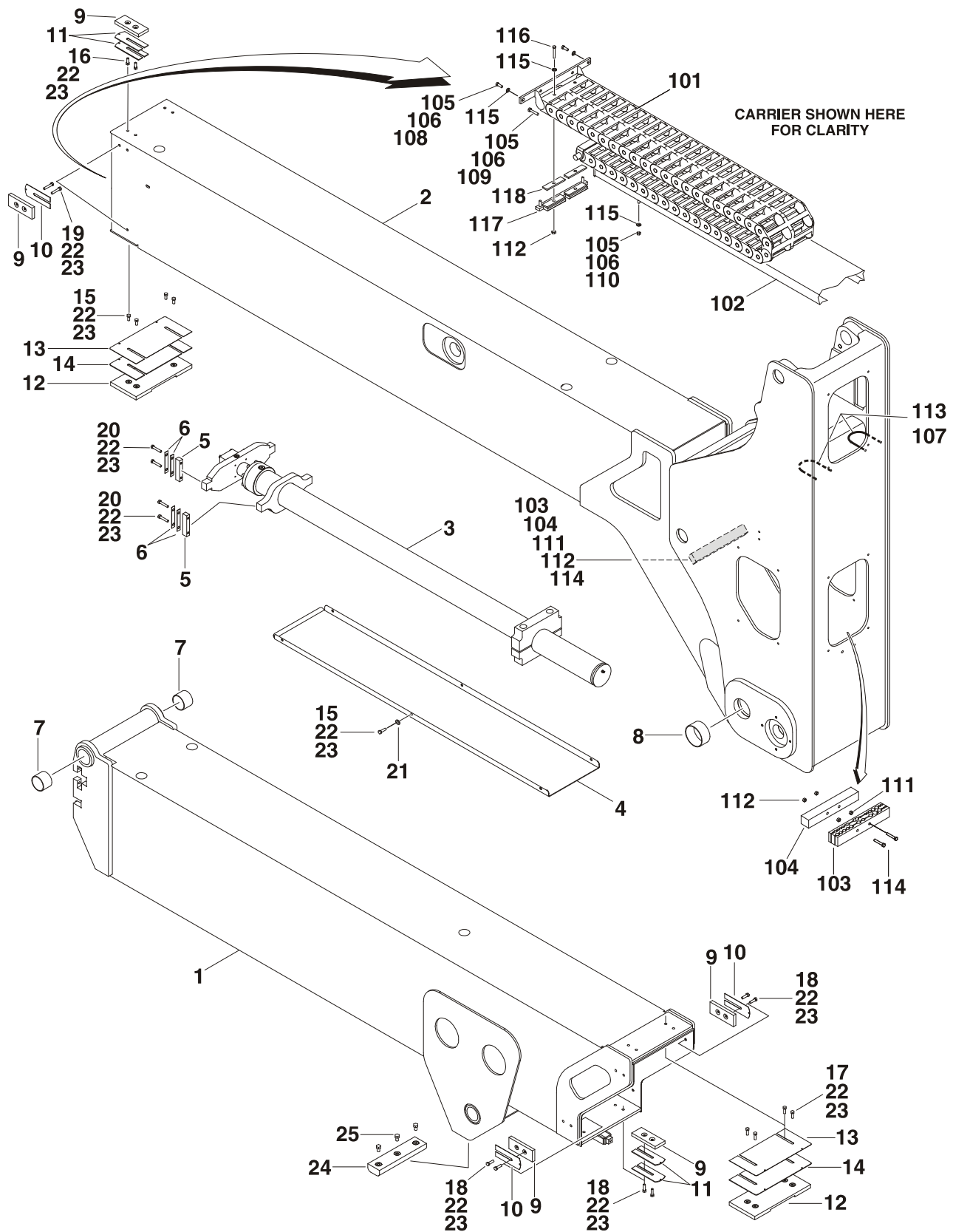


FIGURE 3-3. TOWER BOOM ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0801132	Ref	TOWER BOOM ASSEMBLY	E
1	Use 0801594 0801594	1	Base Weldment Options: SN 0300069000 to SN 0300103805 (was p/n 0801133) SN 0300103805 to SN 0300140000	
2	Use 0801496 0801496	1	Fly Weldment Options: SN 0300069000 to SN 0300106001 (was p/n 0801134) SN 0300106001 to SN 0300140000	
3	1683606	1	Cylinder Assembly - Tower Telescope (See CYLINDER SECTION for Breakdown)	
4	4340706	1	Support	
5	0561185	4	Block, Attach	
6	4070929	8	Shim 1/16in	
7	0962102	2	Bushing, Garmax	
8	0962122	2	Bushing, Garmax	
9	3340881	12	Pad, Wear	
10	4070897	8	Shim .05	
11	4070898	8	Shim .12	
12	3340828	2	Pad, Wear	
13	4070967	2	Shim .05	
14	4070968	2	Shim .12	
15	0641607	10	Bolt 3/8in-16NC x 7/8in	
16	0641608	4	Bolt 3/8in-16NC x 1in	
17	0641609	4	Bolt 3/8in-16NC x 1-1/8in	
18	0641610	12	Bolt 3/8in-16NC x 1-1/4in	
19	0641615	8	Bolt 3/8in-16NC x 1-7/8in	
20	0641616	8	Bolt 3/8in-16NC x 2in	
21	4711600	6	Flatwasher 3/8in Narrow	
22	0100011	AR	Compound, Locking	
23	0100038	AR	Primer, Locking	
24	3340835	1	Pad, Boom Rest	
25	0641806	3	Bolt 1/2in-13NC x 3/4in	
		Ref	POWER TRACK INSTALLATIONS	
	0257764	Ref	Without Arctic Package	H
	1001094661	Ref	With Arctic Package	B
101	1180346	1	Carrier	
	7020064	1	Bracket, End (Moving)	
	7020065	1	Bracket, End (Fixed)	
	7020066	1	Section, Repair 1Foot	
	7020067	1	Link, Repair	
102	4845680	1	Hose Tube Weldment	
103		2	Clamp, Block Options: Without Arctic Package With Arctic Package (SN 0300110181 to SN 0300140000)	
	1320251			
104	1320250	2	Bar, Clamp	
105	0100011	AR	Compound, Locking	
106	0100038	AR	Primer, Locking	

SECTION 3 BOOM

FIGURE 3-3. TOWER BOOM ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
107	0641605	4	Bolt 3/8in-16NC x 5/8in	
108	0641606	2	Bolt 3/8in-16NC x 3/4in	
109	0641622	2	Bolt 3/8in-16NC x 2-3/4in	
110	3311601	4	Nut 3/8in-16NC	
111	3311602	4	Nut, Jam 3/8in-16NC	
112	3311605	6	Locknut 3/8in-16NC	
113	3841340	2	Rod, Hose Loop	
114	3900262	4	Bolt 3/8in16NC x 4-3/4in	
115	4711600	AR	Flatwasher 3/8in Narrow	
116	0641624	2	Bolt 3/8in-16NC x 3in	
117	0259420	1	Clamp Assembly	
	3340859	2	Pad, Rubber	
118	3340859	2	Pad, Rubber	

FIGURE 3-3. TOWER BOOM ASSEMBLY (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 3-4. MAIN BOOM ASSEMBLIES

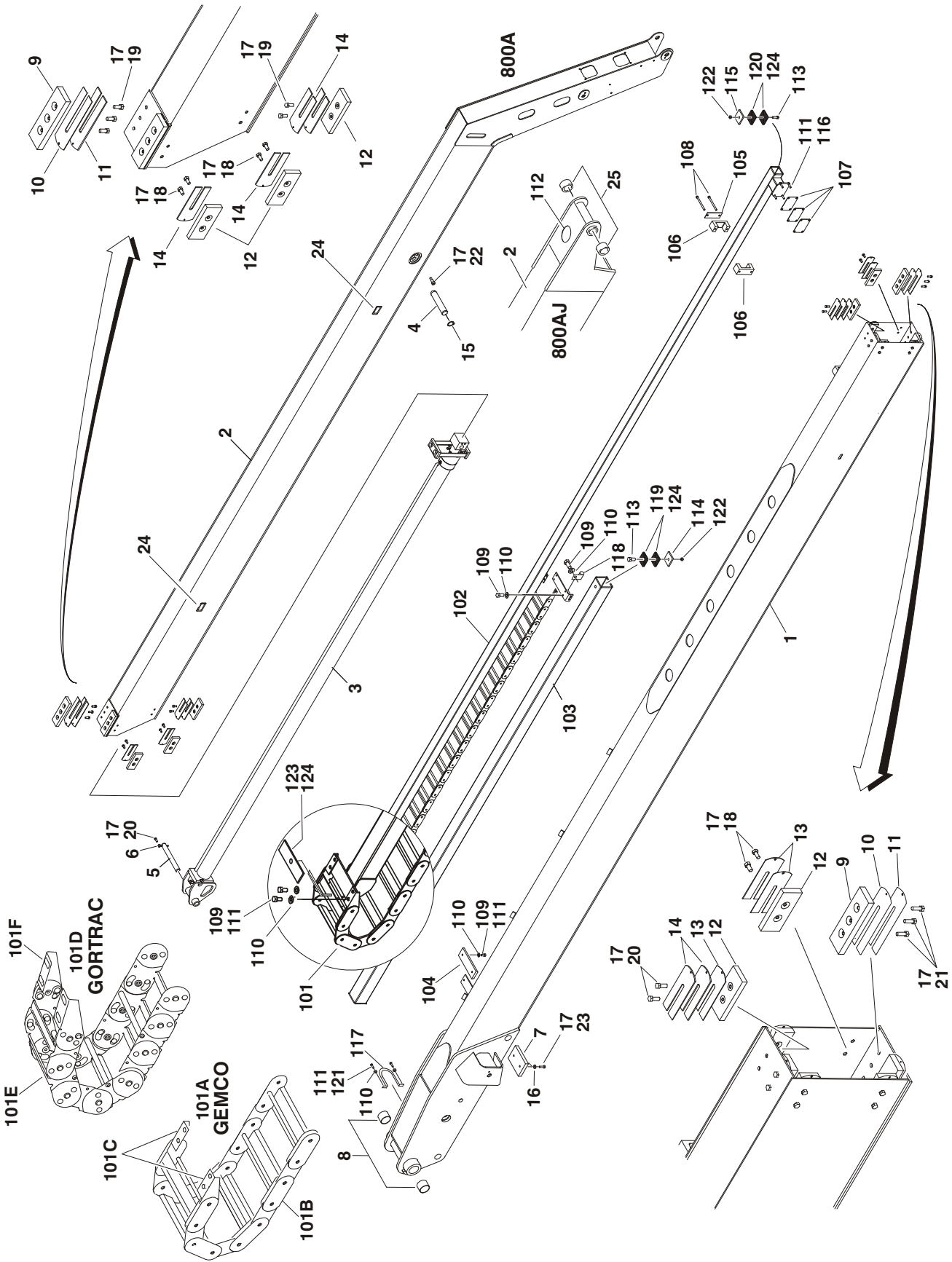


FIGURE 3-4. MAIN BOOM ASSEMBLIES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	MAIN BOOM ASSEMBLY OPTIONS:	
	0801135	Ref	800A	G
	0801136	Ref	800AJ	I
1		1	Base Weldment Options:	
	Use 0801585		800A (SN 0300069000 to SN 0300103805) (was p/n 0801185)	
	0801585		800A (SN 0300103805 to SN 0300140000)	
	Use 0801591		800AJ (SN 0300069000 to SN 0300103805) (was p/n 0801191)	
	0801591		800AJ (SN 0300103805 to SN 0300140000)	
2		1	Fly Weldment Options:	
	0801138		800A	
	Use 0801573		800AJ (SN 0300069000 to SN 0300098644) (was p/n 0801140)	
	0801573		800AJ (SN 0300098644 to SN 0300140000)	
3		1	Telescope Cylinder Assembly Options:	
	1683607		800A	
	1683672		800AJ	
4	3422457	1	Pin	
5	3422690	1	Pin	
6	3841143	1	Keeper, Pin	
7	0561295	1	Block, Boom Rest	
8	0962102	2	Bushing, Garmax	
9	3340871	4	Pad, Wear	
10	4070863	4	Shim 1/8in	
11	4070864	4	Shim .05	
12	3340881	12	Pad, Wear	
13	4070897	10	Shim .05	
14	4070898	12	Shim 1/8in	
15	3760133	2	Ring, Retaining	
16	4711600	2	Flatwasher 3/8in Narrow	
17	0100011	AR	Compound, Locking	
18	0641606	16	Bolt 3/8in-16NC x 3/4in	
19	0641607	10	Bolt 3/8in-16NC x 7/8in	
20	0641608	5	Bolt 3/8in-16NC x 1in	
21	0641609	6	Bolt 3/8in-16NC x 1-1/8in	
22	3900259	4	Bolt, Shoulder	
23	0641612	2	Bolt 3/8in-16NC x 1-1/2in	
24	1670836	6	Cover, Boom (SN 0300069000 to SN 0300120845)	
25		A/R	Bushing, Garmax	
	Not Required	0	800A	
	0961951	2	800AJ	

SECTION 3 BOOM

FIGURE 3-4. MAIN BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	POWER TRACK INSTALLATION OPTIONS:	
	0258076	Ref	800A	J
	0258077	Ref	800AJ	H
101		1	Carrier Options:	
101A			Gemco Brand Power Track (Original Equipment)	
	Use 1001099840		800A (was p/n 1180347)	
	Use 1001099837		800AJ(was p/n 1180349)	
101B	7016522	AR	Carrier Repair Section (1 foot length - Includes 1 Pin for each end)	
	7016523	AR	Rod Assembly (Includes 1 rod and hardware)	
	7016529	AR	Roller, Plastic Rod	
	7006137	AR	Link Pin Assembly	
101C	7016524	2	Foot, Mounting (1 Pair)	
101D		AR	Gortrac Brand Power Track (Service Replacement)	
	1001099840		800A (was p/n 1180347)	
	1001099837		800AJ(was p/n 1180349)	
101E	70002013	AR	Carrier Repair Section (2ft length - Includes 1 Pin Assembly for each end)	
101F	70002014	AR	Mounting Foot Kit (Includes Both Pair of Feet)	
102		1	Push Tube Weldment	
	4845701		800A	
	4845729		800AJ	
103		1	Support	
	4845702		800A	
	4845730		800AJ	
104	3340840	1	Pad	
105	3538758	1	Plate, Backing	
106	3340764	2	Pad	
107	4070969	3	Shim	
108	0641640	2	Bolt 3/8in-16NC x 5in	
109	0641606	18	Bolt 3/8in-16NC x 3/4in	
110	4711600	22	Flatwasher 3/8in Narrow	
111	0100011	AR	Compound, Locking	
112		AR	Flex-Trim	
	Not Required	0	800A	
	4060805	8in/20cm	800AJ	
113	0641622	2	Bolt 3/8in-16NC x 2-3/4in	
114	1320248	1	Clamp, Hose	
115	1320249	1	Clamp, Hose	
116		4	Bolt Options:	
	0641607		800A (Bolt 3/8in-16NC x 7/8in)	
	0641612		800AJ (Bolt 3/8in-16NC x 1-1/2in)	
117	3841406	1	Loop, Hose	
118	1320263	1	Clamp, Loop	
119	3340860	2	Pad, Rubber	
120	3340861	2	Pad, Rubber	

FIGURE 3-4. MAIN BOOM ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
121	3900232	2	Screw, Button Head Options: Screw, Button Head 3/8in-16NC x 1-1/4in (SN 0300069000 to SN 0300080132)	
	3900283		Screw, Button Head 3/8in-16NC x 3/4in (SN 0300080132 to SN 0300140000)	
122	3311605	2	Locknut 3/8in-16NC	
123	4071052	2	Shim	
124	0100081	AR	Adhesive	

SECTION 3 BOOM

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

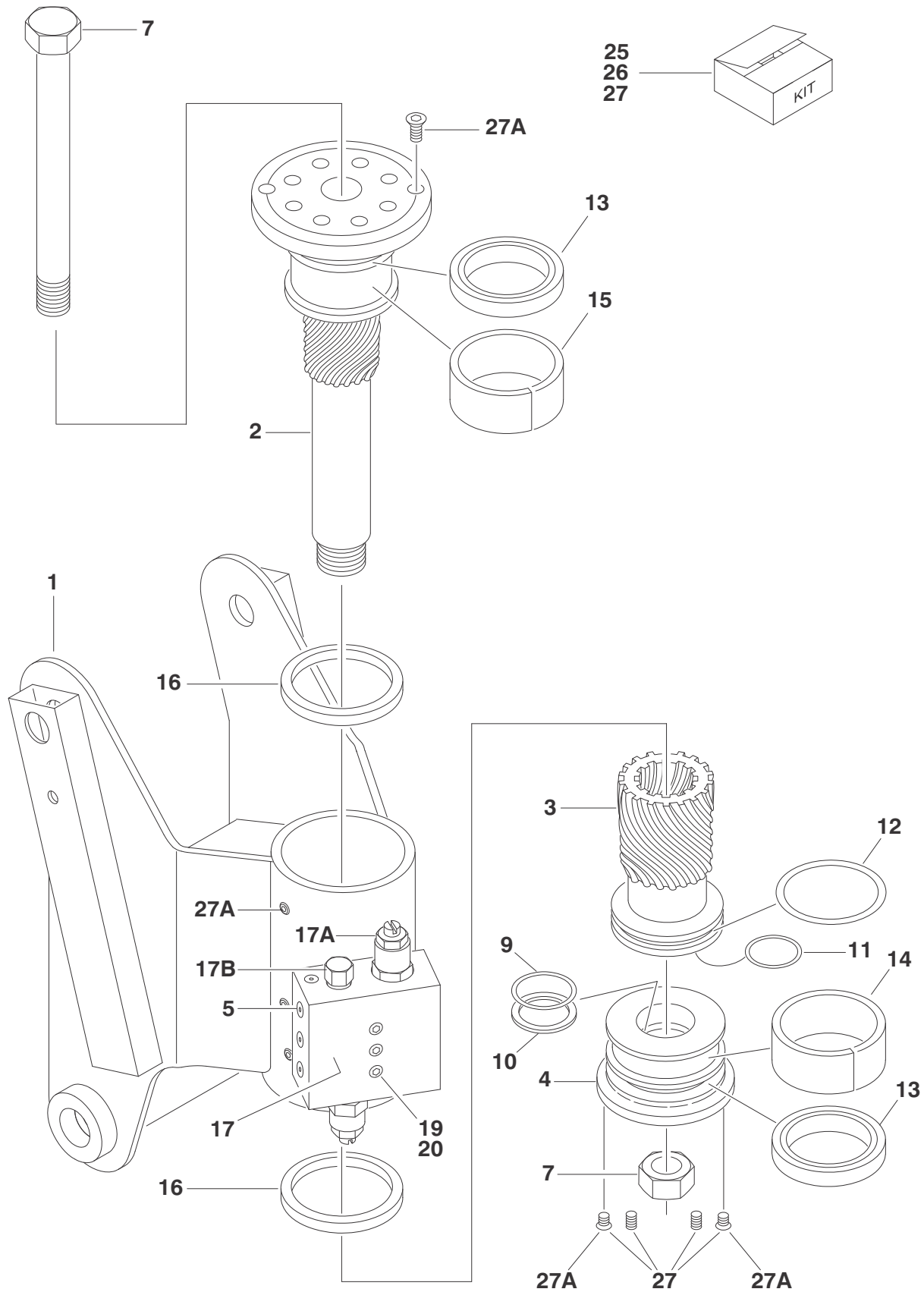


FIGURE 3-5. ROTATOR ASSEMBLY (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ROTATOR ASSEMBLIES	
		Ref	Note: See ROTATOR ASSEMBLY for Machines equipped with Fall Arrest Platforms.	
		Ref	800A	
	0060041	Ref	Original Equipment	G
	0060077	Ref	Service Replacement	B
		Ref	800AJ	
	0060031	Ref	Original Equipment	H
	1001103095	Ref	Service Replacement Kit (contains 0060074 rotator, upper pin, keeper shaft, keeper shaft bolt & instruction sheet)	1
		Ref	Note: Before ordering parts, identify whether original equipment rotator has been replaced with service replacement. Service replacement rotator uses spacer plate bolted on the top with 8 capscrews (Not shown - located at item 2). Original equipment rotator does not use spacer plate.	
1	See Note	1	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Assembly.)	
2	Use 7017177	1	Shaft Weldment Options:	
	7017162		0060041 & 0060031 Rotators (was p/n 7017117)	
	See Note	1	0060077 & 0060074 Rotators	
		1	Plate, Spacer (Not Shown) (0060077 & 0060074 Rotators Only) (Note: Not Available for Purchase.)	
3		1	Piston/Sleeve Options:	
	7017115		0060041 & 0060031 Rotators	
	7017163		0060077 & 0060074 Rotators	
4	Use 7017174	1	Cap, End Options:	
	7017164		0060041 & 0060031 Rotators (was p/n 7017116)	
			0060077 & 0060074 Rotators	
5	See Note	6	Plug, Port (Note: Not Available for Purchase.)	
6	Use 7017142	2	Plug	
7	Use 7017119	1	Tie-Rod/Locknut Assy (was p/n 7017102)	
	7017119	1	Bolt 1in-8NC x 11in	
	3272605	AR	Locknut 1in-8NC	
8	Not Used			
9	See Note	1	Seal, Cap (Note: Use Item 25)	
10	See Note	1	Ring, Back-up (Cap) (Note: Use Item 25)	
11	See Note	1	Seal, Rod (Note: Use Item 25)	
12	See Note	1	Seal, Piston (Note: Use Item 25)	
13	See Note	2	Packing, Bearing (Note: Use Item 25)	
14	See Note	1	Bearing, Cap (Note: Use Item 26)	
15	See Note	1	Bearing, Shaft (Note: Use Item 26)	
16	See Note	2	Washer, Thrust (Note: Use Item 26)	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
17	Use 7017183 7017183	1	Valve Assembly Options: 0060041 & 0060031 Rotators (was p/n 7017101) 0060077 & 0060074 Rotators	
17A	7011331 7017193 2900770 See Note	2 2 2	Cartridge, Valve Options: 0060041 & 0060031 Rotators 0060077 & 0060074 Rotators Seal Kit - 7011331 Valve Seal Kit - 7017193 Valve (Note: Not Available for Purchase.)	
17B	7011332 See Note 7011311 See Note	AR 2 1 2 1	Cartridge, Valve Options: 0060041 & 0060031 Rotators 0060077 & 0060074 Rotators (Not Shown - Located on Side of Valve Block) (Note: Not Available for Purchase.) Seal Kit - 7011332 Valve Seal Kit - Valve Located on Side of Block (Note: Not Available for Purchase.)	
18	7017118	2	Setscrew (0060041 & 0060031 Rotators Only)	
19	See Note	3	Bolt 1/4in-20NC (Grade 8) (Note: Not Available for Purchase.)	
20	3790110	3	O-Ring (Not Shown - Located between Valve & Actuator Housing)	
21 to 24	Not Used			
25	7017157 7017158 70000342	1	Seal Kit Options (Includes Items 9-13): 0060041 & 0060031 Rotators 0060077 & 0060074 Rotators Options: Standard Low Temperature	
26	7017156 7017159	1	Bearing Kit Options (Includes Items 14-16): 0060041 & 0060031 Rotators 0060077 & 0060074 Rotators	
27	7017142	1	Hardware Kit (Includes End Cap Dowel Pins & Items 6 & 27A - 0060041 & 0060031 Rotators)	
27A	70001697	6	Screw, Countersunk 1/4in-20NC x 3/8in Grade 8	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 3 BOOM

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

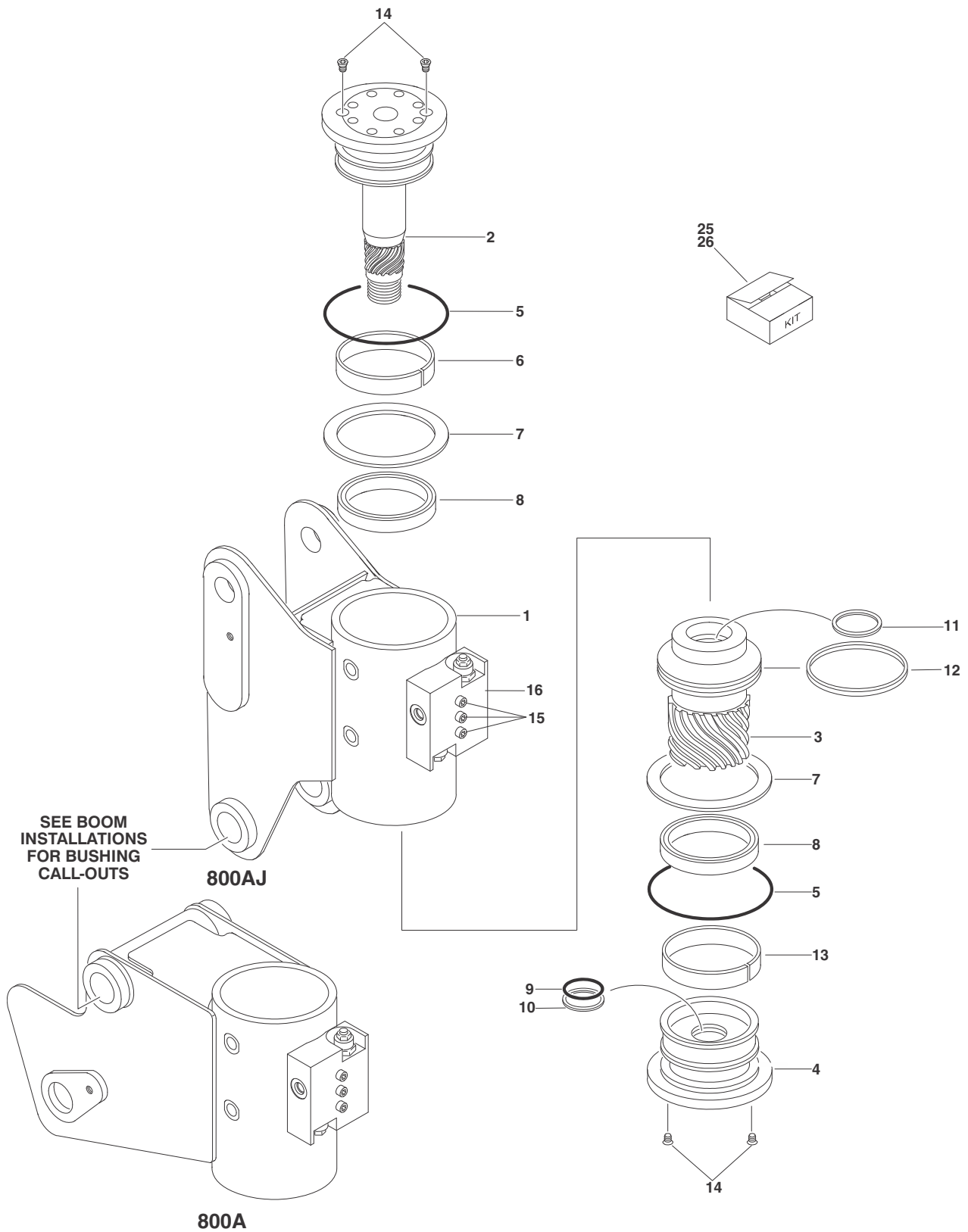


FIGURE 3-6. ROTATOR ASSEMBLY (SIDE ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	ROTATOR ASSEMBLIES	
	0060069	Ref	800A	A
	0060066	Ref	800AJ	C
1	See Note	1	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Assembly.)	
2	7017162	1	Weldment, Shaft	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
5	See Note	2	O-Ring (Note: Use Item 25)	
6	Use 7017159	1	Bearing, Shaft	
7	Use 7017159	2	Washer, Thrust	
8	See Note	2	Packing, Bearing (Note: Use Item 25)	
9	See Note	1	Seal, Cap (Note: Use Item 25)	
10	See Note	1	Ring, Back-Up Cap (Note: Use Item 25)	
11	See Note	1	Seal, Rod (Note: Use Item 25)	
12	See Note	1	Seal, Piston (Note: Use Item 25)	
13	Use 7017159	1	Bearing, Cap	
14	70001697	6	Capscrew 1/4in-20NC x 3/8in (Grade 8)	
15	See Note	3	Bolt 1/4in-20NC (Grade 8) (Note: Not Available for Purchase.)	
16	7017183	1	Valve Assembly	
	7017193	2	Cartridge, Valve	
	See Note	2	Seal Kit - 7017193 Valve (Note: Not Available - Purchase Complete Assembly.)	
	See Note	1	Cartridge, Valve (Not Shown - Located on Side of Block) (Note: Not Available - Purchase Complete Assembly)	
	See Note	1	Seal Kit - Valve Located on Side of Block (Note: Not Available - Purchase Complete Assembly.)	
17 to 24	Not Used			
25		1	Seal Kit Options (Includes Items 5, 8- 12):	
	7017158		Standard	
	70000342		Low Temperature	
26	7017159	1	Bearing Kit (Includes Items 6, 7 & 13)	

SECTION 3 BOOM

FIGURE 3-7. VALVE AND LIMIT SWITCH INSTALLATIONS (BOOM MOUNTED)

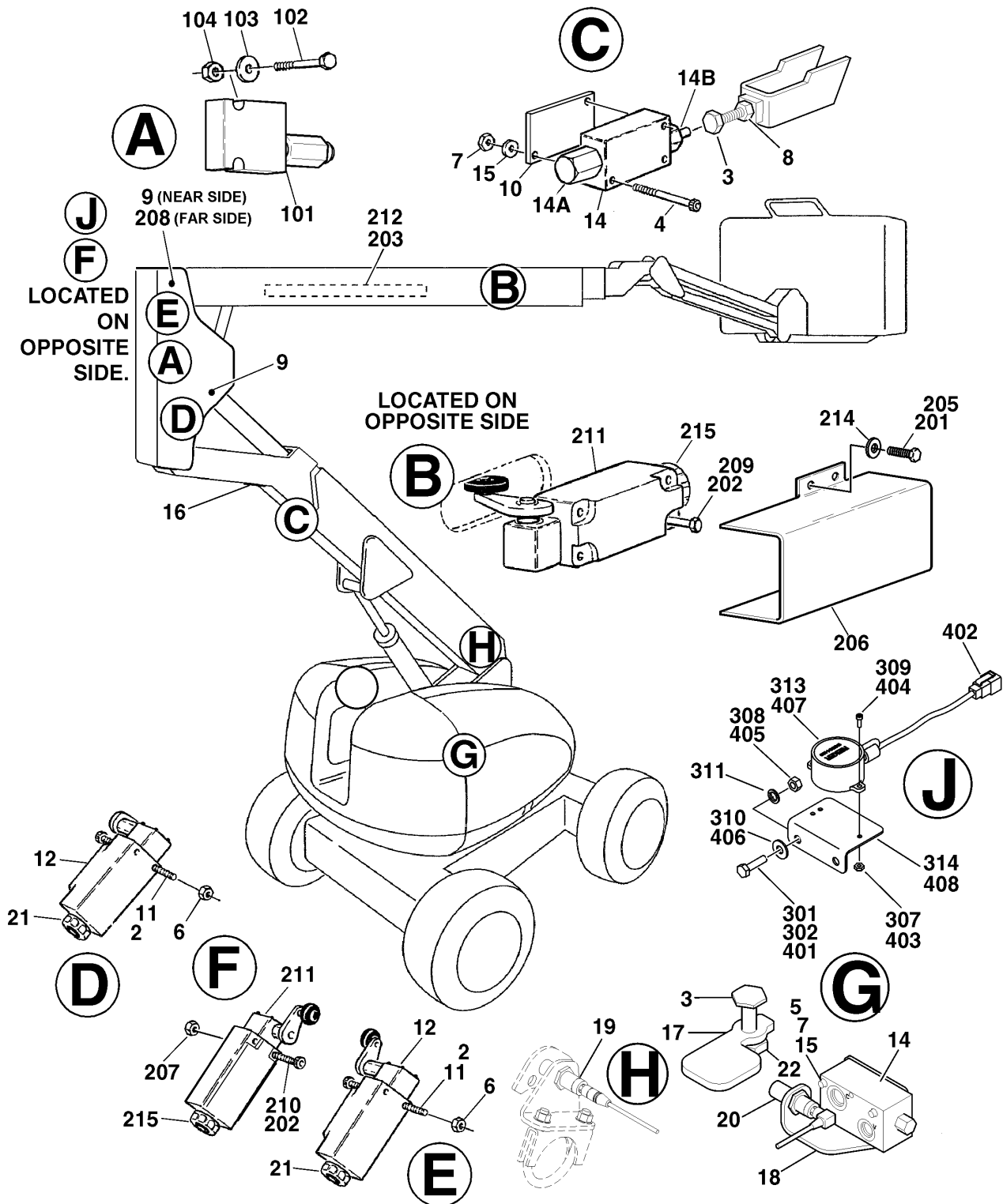


FIGURE 3-7. VALVE AND LIMIT SWITCH INSTALLATIONS (BOOM MOUNTED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258217	Ref	BOOM VALVES AND LIMIT SWITCHES INSTALLATION	O
1	0100011	AR	Compound, Locking	
2	0100035	AR	Compound, Locking	
3	0630427	2	Bolt, Special	
4	3931436	3	Bolt 1/4in-20NC x 2-1/4in	
5	3931464	3	Bolt 1/4in-20NC x 4in	
6	3310805	4	Locknut #8-32NC	
7	3311405	6	Locknut 1/4in-20NC	
8	3311801	1	Nut 1/2in-13NC	
9	3520035	2	Plug, Cap	
10	3570928	2	Plate, Spacer	
11	3930824	4	Capscrew, Socket Head #8-32NC x 1-1/2in	
12		2	Switch, Limit Options: (Note: P/N 4360549 & P/N 4360578 does not include #21 Connector - Purchase Separately) SN 0300069000 to SN 0300074427 (was p/n 4360322) SN 0300074427 to SN 0300080872 (was p/n 4360549) SN 0300080872 to SN 0300140000	
	Use 4360578			
	Use 4360578			
	4360578			
13	Not Used			
14		2	Valve, Switch Options: SN 0300069000 to SN 0300092015 SN 0300092015 to SN 0300140000	
	4641136			
	4641435			
14A	7011342	2	Valve, Check (1 per Assembly)	
	7011333	2	Seal Kit - Check Valve (1 per Assembly)	
14B	7020172	2	Valve, Plunger (1 per Assembly) (SN 0300069000 to SN 0300092015)	
	7020173	2	Seal Kit - 7020172 Valve (1 per Assembly)	
	See Note	2	Valve, Plunger (1 per Assembly) (SN 0300092015 to SN 0300140000) (Note: Not Available for Purchase.)	
	See Note	2	Seal Kit (1 per Assembly) (Note: Not Available for Purchase.)	
15	4751400	6	Flatwasher 1/4in	
16	4060805	7in/25cm	Trim, Edge	
17	3572606	1	Plate, Lower Boom Proximity Switch Target	
18	3572607	1	Plate, Lower Boom Proximity Switch Mount	
19	4360498	1	Switch Proximity	
20	4360499	1	Switch Proximity	
21		2	Connector, Strain Relief Options: Use with p/n 4360322 Switch Use with p/n 4360549 & 4360578 Switches	
	4460428			
	4460968			
22	88521008	2	Locknut 1/2in-13NC	
	0274640	Ref	VALVES INSTALLATION	D
101	4640929	1	Valve Assembly (Relief)	
	7012970	1	Cartridge	
	7012953	1	Seal Kit - 7012970 Cartridge	
102	0641416	2	Bolt 1/4in-20NC x 2in	
103	4711400	4	Flatwasher 1/4in Narrow	
104	3311405	2	Locknut 1/4in-20NC	

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FIGURE 3-7. VALVE AND LIMIT SWITCH INSTALLATIONS (BOOM MOUNTED) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258338	Ref	LIMIT SWITCHES INSTALLATION - 800A DUAL CAPACITY	H
201	0100011	AR	Compound, Locking	
202	0100035	AR	Compound, Locking	
203		1	Bar, Fiberglass Options:	
	Use 1001106482		SN 0300069000 to SN 0300138518 (was p/n 0362610)	
	1001106482		SN 0300138518 to SN 0300140000	
204	Not Used			
205	0641403	4	Bolt 1/4in-20NC x 3/8in	
206		1	Cover Options:	
	1670824		SN 0300069000 to SN 0300078805	
	3380535		SN 0300078805 to SN 0300140000	
207	3310801	2	Locknut #8-32NC	
208	3520035	1	Plug, Cap	
209	3930816	2	Capscrew, Socket Head #8-32NC x 1in	
210	3930824	2	Capscrew, Socket Head #8-32NC x 1-1/2in	
211		2	Switch, Limit Options: (Note: P/N 4360549 & P/N 4360578 does not include #215 Connector - Purchase Separately)	
	Use 4360578		SN 0300069000 to SN 0300074427 (was p/n 4360322)	
	Use 4360578		SN 0300074427 to SN 0300080872 (was p/n 4360549)	
	4360578		SN 0300080872 to SN 0300140000	
212	4420060	2	Tape, Double Sided	
213	Not Used			
214	4751400	4	Flatwasher 1/4in	
215		2	Connector, Strain Relief Options:	
	4460428		Use with p/n 4360322 Switch	
	4460968		Use with p/n 4360549 & 4360578 Switches	
	1001093187	Ref	TILT SENSOR INSTALLATION (SN 0300069000 TO SN 0300112885)	C
301	0100011	AR	Compound, Locking	
302	0641610	2	Bolt 3/8in-16NC x 1-1/4in	
303 to 306	Not Used			
307	3310605	3	Locknut #6-32 NC	
308	3311601	2	Locknut 3/8in-16NC	
309	3930606	3	Screw #6-32 NC	
310	4751600	2	Flatwasher 3/8in	
311	4761600	2	Lockwasher 3/8in	
312	Not Used			
313	1001094400	1	Sensor, Dual Axis	
314	1001094401	1	Bracket, Tilt Sensor	
315 to 324	Not Used			
	0275733	Ref	TILT SENSOR INSTALLATION (SN 0300112885 TO SN 0300140000)	A
401	0641408	2	Bolt 1/4in-20NC x 1in	
402	0100048	AR	Grease, Dielectric	
403	3310605	3	Locknut #6-32 NC	

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FIGURE 3-7. VALVE AND LIMIT SWITCH INSTALLATIONS (BOOM MOUNTED) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
404	3930606	3	Screw #6-32 NC	
405	3311405	2	Locknut 1/4in-20NC	
406	4751400	2	Flatwasher 1/4in	
407	1001094400	1	Sensor, Dual Axis	
408	1001096736	1	Bracket, Tilt Sensor	

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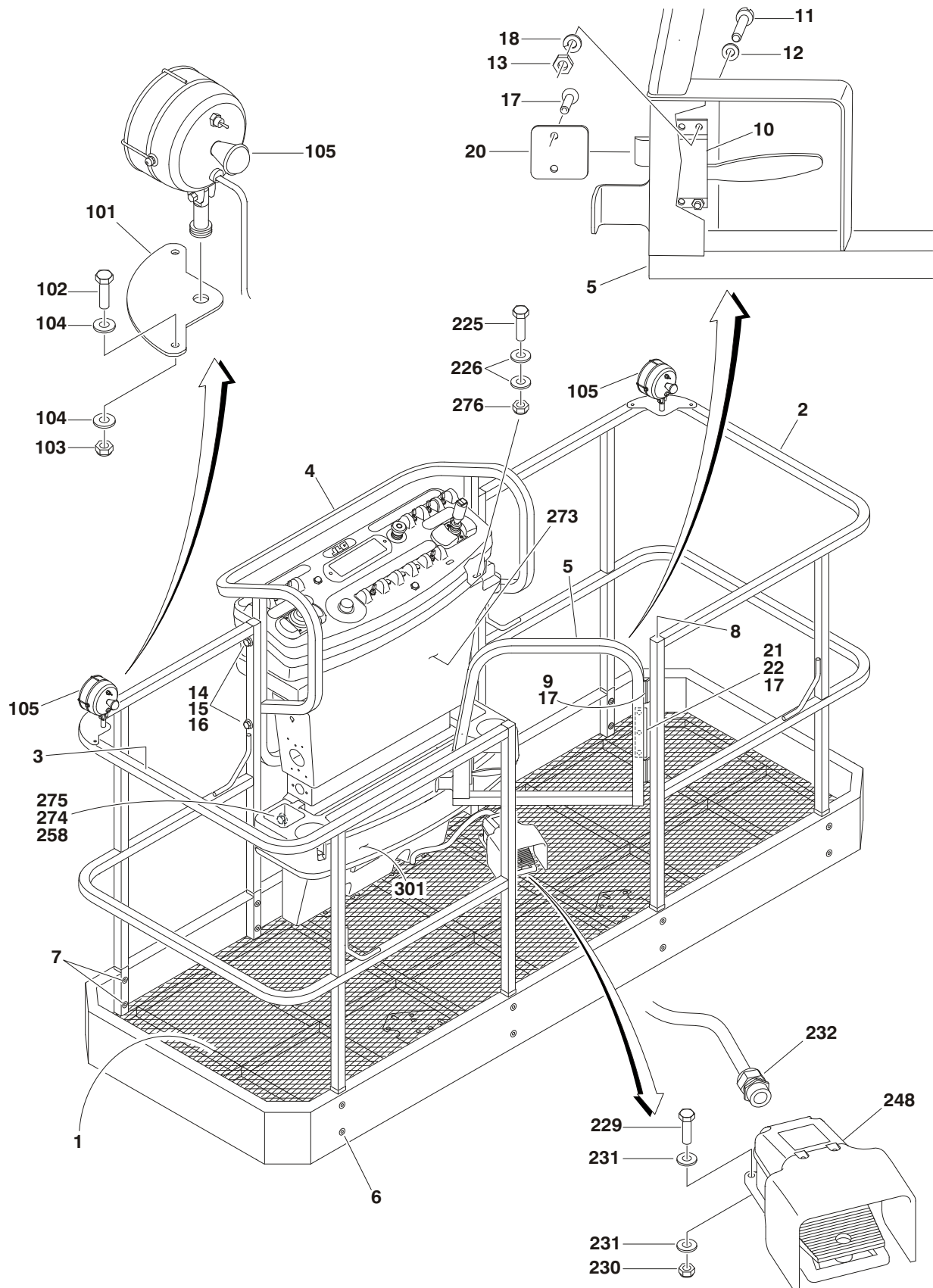
FIGURE 3-7. VALVE AND LIMIT SWITCH INSTALLATIONS (BOOM MOUNTED) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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



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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM ASSEMBLIES:	
	3510760	Ref	4ft (1.22m) with Self-Closing Gate	3
	3510728	Ref	5ft (1.52m) with Self-Closing Gate	3
	3510497	Ref	6ft (1.83m) with Standard Gate	8
	3510542	Ref	6ft (1.83m) with Self-Closing Gate	3
	3510545	Ref	6ft (1.83m) with Mesh to Top Rail & Standard Gate	B
	3510565	Ref	6ft (1.83m) with Mesh to Top Rail & Self-Closing Gate	3
	3510488	Ref	8ft (2.44m) with Standard Gate	8
	3510543	Ref	8ft (2.44m) with Self-Closing Gate	3
	3510546	Ref	8ft (2.44m) with Mesh to Top Rail & Standard Gate	B
	3510566	Ref	8ft (2.44m) with Mesh to Top Rail & Self-Closing Gate	4
		Ref	Note: Replacement Decals Must be purchased separately - See DECAL SECTION.	
1		1	Floor Weldment Options:	
	4846253		4ft Platform	
	4846101		5ft Platform	
	4844954		6ft Platform	
	4844928		8ft Platform	
2		1	Rail Weldment - Right Side Options:	
	4846254		4ft Platform without Mesh	
	4846102		5ft Platform without Mesh	
	4844955		6ft Platform without Mesh	
	4845408		6ft Platform with Mesh Top Rail	
	4844924		8ft Platform without Mesh	
	4845412		8ft Platform with Mesh Top Rail	
3		1	Rail Weldment - Left Side Options:	
	4846255		4ft Platform without Mesh	
	4846103		5ft Platform without Mesh	
	4844956		6ft Platform without Mesh	
	4845409		6ft Platform with Mesh Top Rail	
	4844925		8ft Platform without Mesh	
	4845413		8ft Platform with Mesh Top Rail	
4	4845328	1	Rail Weldment - Back Options:	
5		1	Gate Weldment Options:	
	4845327		Standard Gate	
	4845410		Standard Gate with Mesh Top Rail	
	4845426		Self-Closing Gate	
	4845469		Self-Closing Gate with Mesh Top Rail	
6	3900207	AR	Fastener	
		Ref	(Note: P/N 3900207 Fastener may be replaced with P/N 0641416 Bolt, P/N 4751400 Flatwasher, P/N 3311405 Locknut and P/N 3300151 Acorn Type Nut. Acorn type nut is required to meet industry safety requirements.	
7	3300393	AR	Collar	
8	3520072	AR	Plug, Cap	
9		2	Hinge Options:	
	2600216		Standard Gate	
	2600287		Self-Closing Gate	
10	2940074	1	Latch	

SECTION 4 PLATFORM

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
11	3911008	4	Screw #10-24NC x 1in	
12	4751000	4	Flatwasher #10	
13	3311005	4	Locknut #10-24NC	
14	0641524	4	Bolt 5/16in-18NC x 3in	
15	3311505	4	Locknut 5/16in-18NC	
16	4751500	4	Flatwasher 5/16in	
17	2080040	13	Fastener	
18	4761000	4	Lockwasher 3/8in	
19	Not Used			
20	3539685	1	Plate, Latch	
21	4220165	1	Stop, Gate	
22	4060803	6ft/1.8m	Trim	
	0270814	Ref	WORKLIGHTS INSTALLATION (OPTIONAL)	3/E
101	3536089	2	Plate, Mounting	
102	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
103	3311405	4	Locknut 1/4in-20NC	
104	4711400	8	Flatwasher 1/4in Narrow	
105	2920140	2	Worklight	
	7016399	2	Bulb, Replacement (1 Per Worklight)	
106	4240099	10	Tie-Strap (Not Shown)	
107	2820035	9	Loom, Vinyl (Not Shown)	
108	Not Used			
109	4460598	1	Connector, Strain Relief (Not Shown - Located at Console Box)	B
110	4920044	AR	Wire, Black 12 Ga (Not Shown)	
	0861474	Ref	FOOTSWITCH AND COVERS INSTALLATION OPTIONS:	
201 to 228	Not Used			
229	0641408	3	Bolt 1/4in-20NC x 1in	
230	3311405	3	Locknut 1/4in-20NC	
231	4740362	3	Washer, Fender	
232	4460071	1	Terminal, Strain Relief	
233 to 247	Not Used			
248	See Note	1	Footswitch (Note: See PLATFORM COMPONENTS INSTALLATION for Service Parts)	
249 to 257	Not Used			
258	4751400	4	Flatwasher 1/4in	
259 to 272	Not Used			
273	3380434	1	Panel, Poly	
274	0641414	2	Bolt 1/4in-20NC x 1-3/4in	
275	3311405	2	Locknut 1/4in-20NC	
		Ref	TRAY INSTALLATIONS (OPTIONAL)	
301	1580012	1	Tray, Storage (Center)	
302	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	

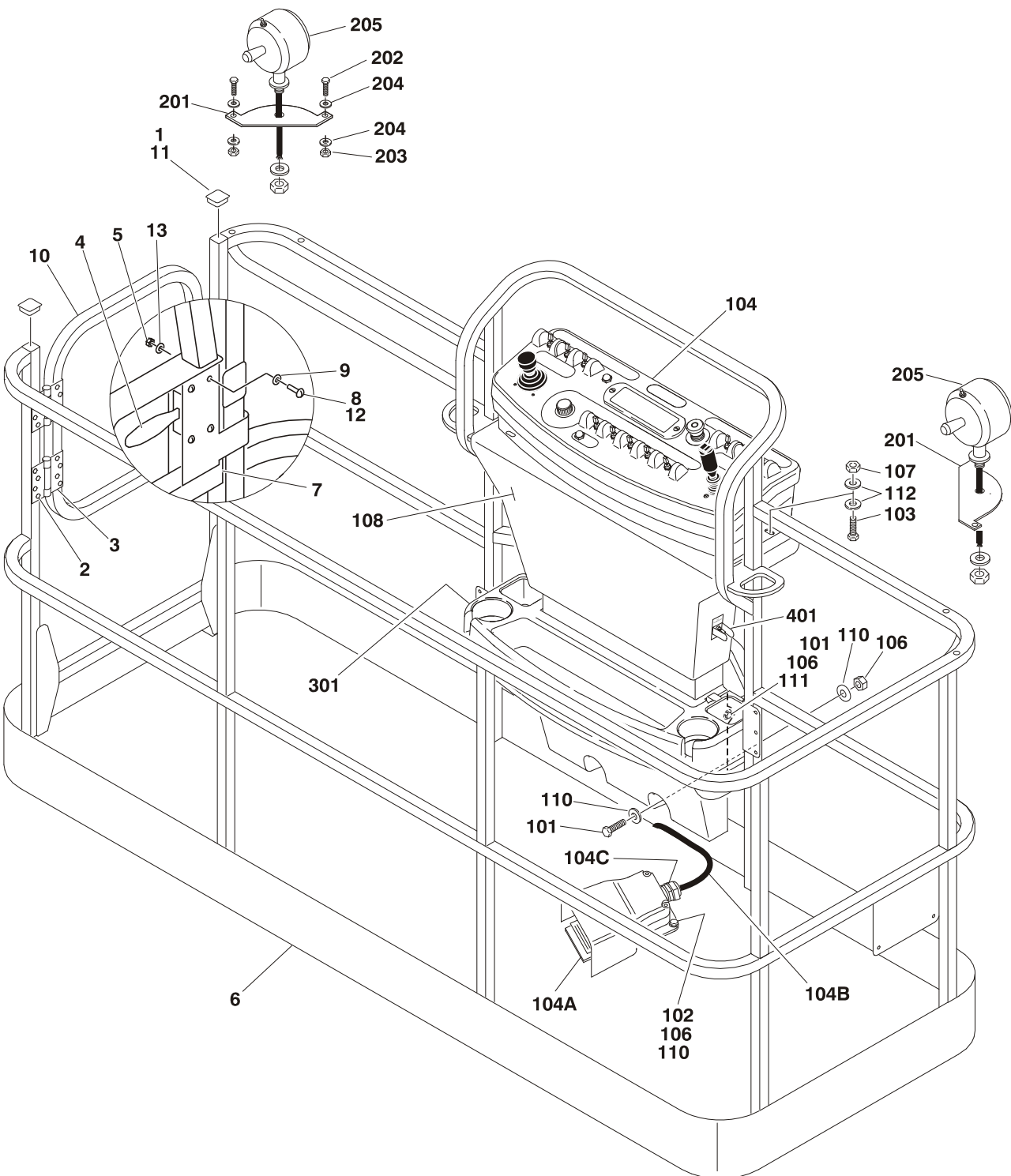
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FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (FRONT ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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



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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM ASSEMBLIES:	
	Use 1001144023	Ref	8ft (2.44m) with No Mesh (was p/n 3510822)	B/H
	Use 1001144024	Ref	6ft (1.83m) with No Mesh (was p/n 3510833)	B/G
	Use 1001144027	Ref	4ft (1.22m) with No Mesh (was p/n 3510830)	B/K
		Ref	Note: Original Equipment platform may have been replaced with Service Replacement platform. Identify platform before ordering parts.	
		Ref	Note: Replacement Decals Must be purchased separately - See DECAL SECTION.	
		Ref	Note: When replacing 8ft/2.44m platform with Soft Touch option, new Soft Touch Rail p/n 4846673 must be purchased to accommodate limit switch locations.	
		Ref	Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.	
1	0100040	AR	Sealant, Adhesive (SN 0300069000 to SN 0300073454)	
2	2080040	16	Fastener, Huck	
3	2600281	2	Hinge, Self-Closing	
4	2940074	1	Latch	
5	3311001	4	Nut #10-24NC (SN 0300069000 to SN 0300077328)	
6	See Note	1	Platform Weldment (Note: Not Available - Purchase Complete Platform Assy.)	
7	3520072	1	Cap-Plug	
8		4	Screw Options:	
	3911008		Screw #10-24NC x 1in (SN 0300069000 to SN 0300076404)	
	3900205		Screw #10-24NC x 5/8in (SN 0300076404 to SN 0300077361)	
	3820020		Rivet, Pop (SN 0300077361 to SN 0300140000)	
9	4751000	8	Flatwasher #10 (SN 0300069000 to SN 0300077328)	
10		1	Gate Weldment Options:	
	4846452		Gate for Platform p/ns 3510822, 3120830 & 3510833	
	1001144629		Gate for Platform p/ns 1001144023, 1001144024 & 1001144027	
11	3520198	2	Cap-Plug	
12	0100011	AR	Compound, Locking (SN 0300073454 to SN 0300077328)	
13	4761000	4	Lockwasher #10 (SN 0300073454 to SN 0300077328)	
		Ref	CONSOLE BOX INSTALLATION	
	0271941	Ref	SN 0300069000 to SN 0300137975	B
	1001108736	Ref	SN 0300137975 to SN 0300139070	B
	1001114446	Ref	SN 0300139070 to SN 0300140000	C
101	0641406	4	Bolt 1/4in-20NC x 3/4in	
102	0641408	3	Bolt 1/4in-20NC x 1in	
103	0641610	4	Bolt 3/8in-16NC x 1-1/4in	

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
104	0861517	1	Platform Console Box Assembly Options: SN 0300069000 to SN 0300137975 (See PLATFORM CONSOLE ASSEMBLY for Breakdown)	
	1001108735		SN 0300137975 to SN 0300139070 (See PLATFORM CONSOLE ASSEMBLY for Breakdown)	
	1001114448		SN 0300139070 to SN 0300140000 (See PLATFORM CONSOLE ASSEMBLY for Breakdown)	
104A	Use 0272970	1	Footswitch Assembly (Includes Footswitch & Items 104B & 104C) (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	
104B	1060918	7ft/2.14m	Cable, Electrical - 18/3	
104C	4460071	1	Connector, Strain Relief	
105	Not Used			
106	3311405	7	Locknut 1/4in-20NC	
107	3311605	4	Locknut 3/8in-16NC	
108	3380434	1	Panel, Decal Mount	
109	Not Used			
110	4740362	7	Washer, Fender 1/4in	
111	4751400	4	Flatwasher 1/4in (Wide)	
112	4751600	8	Flatwasher 3/8in (Wide)	
		Ref	WORKLIGHTS INSTALLATIONS (OPTIONAL)	
		Ref	ANSI Spec Machines	
	0270814	Ref	800A/800AJ - SN 0300069000 to SN 0300074427	3/E
	0273484	Ref	800A - SN 0300074427 to SN 0300140000	D
	0273485	Ref	800AJ - SN 0300074427 to SN 0300140000	D
	0272742	Ref	UL Machines	1/A
201	3536089	2	Plate, Mounting	
202		4	Hardware Options:	
	0641414		Bolt 1/4in-20NC x 1-3/4in (SN 0300069000 to SN 0300112475)	
	2080040		Blind Fastener, Huck (SN 0300112475 to SN 0300140000)	
203	3311405	4	Locknut 1/4in-20NC (SN 0300069000 to SN 0300112475)	
204	4711400	8	Flatwasher 1/4in Narrow (SN 0300069000 to SN 0300112475)	
205	2920140	2	Worklight (ANSI Spec Machines)	
	7016399	2	Bulb, Replacement (1 Per Worklight)	
	2920095	2	Worklight (UL Machines)	
	7016356	2	Bulb, Replacement (1 Per Worklight)	

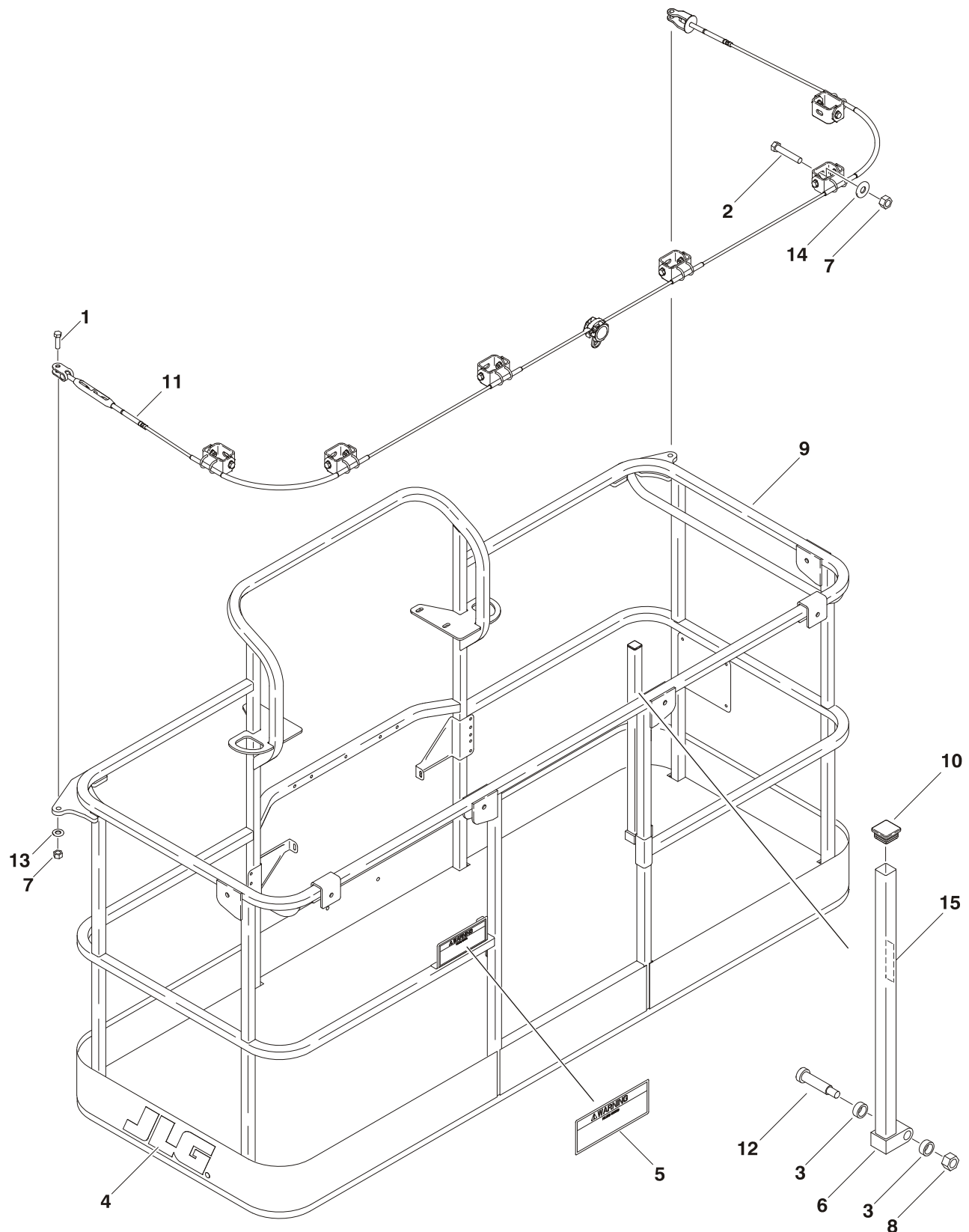
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FIGURE 4-2. PLATFORM COMPONENTS INSTALLATION (SIDE ENTRY PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
206	4240099	10	Tie-Strap (Not Shown)	
207	2820035	9	Loom, Vinyl (Not Shown)	
208	Not Used			
209		1	Connector, Strain Relief Options (Not Shown - Located at Console Box):	
	4460598		Non-UL Spec Machines (SN 0300069000 to SN 0300074427)	
	4460426		Non-UL Spec Machines (SN 0300074427 to SN 0300140000)	
	4460598		UL Spec Machines	
		Ref	TRAY INSTALLATIONS (OPTIONAL)	
301	1580012	1	Tray, Storage (Center)	
302	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	
		Ref	GENERATOR INSTALLATION (OPTIONAL)	
		Ref	Caterpillar Engine	
	0273518	Ref	110V - SN 0300069000 to SN 0300082504	3
	0274081	Ref	110V - SN 0300082504 to SN 0300140000	1
	0273539	Ref	220V - SN 0300069000 to SN 0300082504	3
	0274087	Ref	220V - SN 0300082504 to SN 0300140000	1
		Ref	Deutz Engine	
	0272480	Ref	110V - SN 0300069000 to SN 0300082504	3
	0274082	Ref	110V - SN 0300082504 to SN 0300140000	3
	0272481	Ref	220V - SN 0300069000 to SN 0300082504	3
	0274086	Ref	220V - SN 0300082504 to SN 0300140000	1
		Ref	Ford Engine	
	0271545	Ref	110V	4
	0271546	Ref	220V	4
401	4360336	1	Switch, Toggle	
	4740397	1	Bushing	
	4060802	1	Guard, Switch	
	3251102	1	Decal - Generator ON/OFF	

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



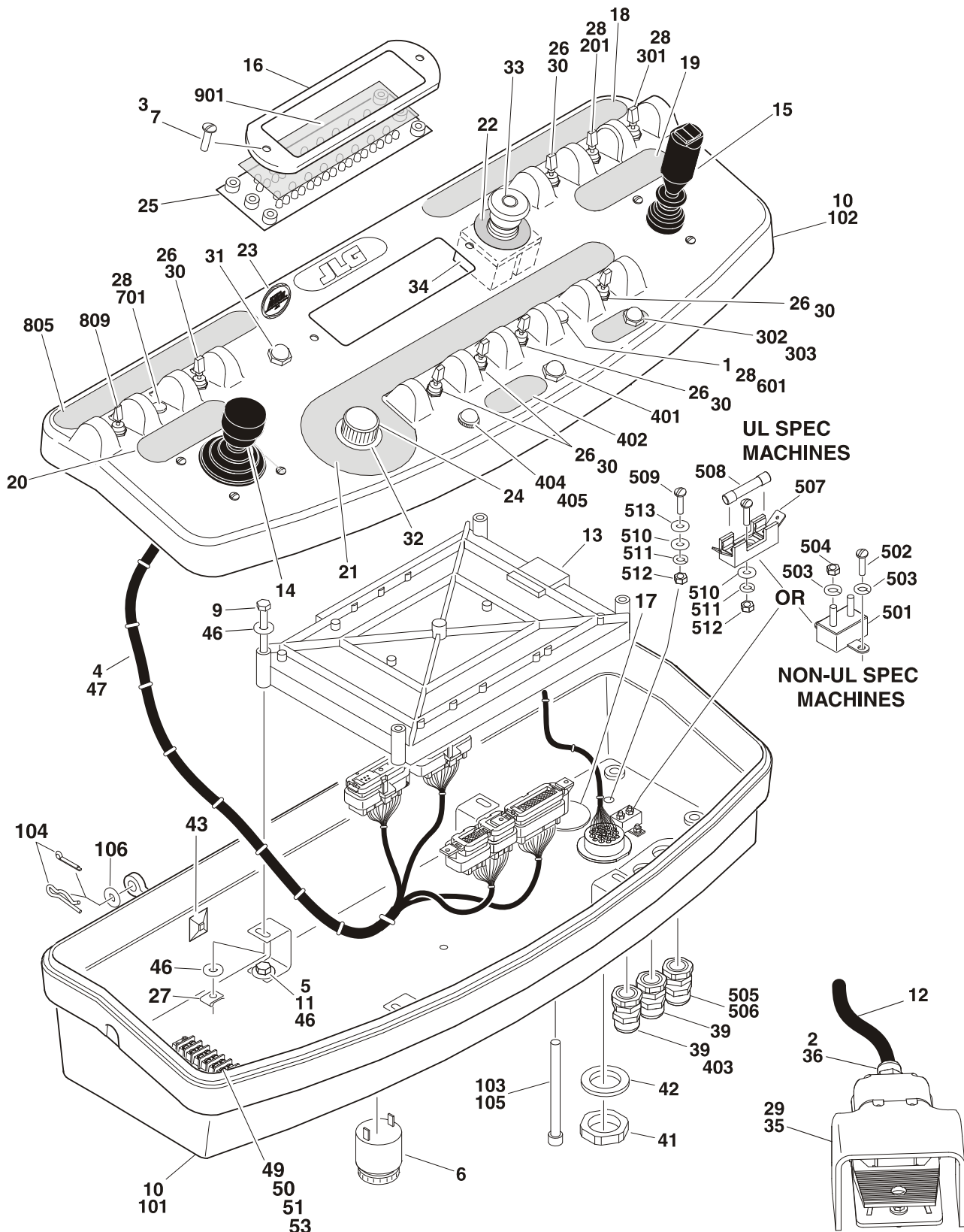
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FIGURE 4-3. PLATFORM COMPONENTS INSTALLATION (FALL ARREST FOR PLATFORM)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	PLATFORM ASSEMBLY (FALL ARREST)	
	3510884	Ref	6ft Platform	D
	3510868	Ref	8ft Platform	C
		Ref	Note: Replacement Decals Must be purchased 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 Complete Platform Assy.)	
10	3520072	1	Cap-Plug	
11		1	Cable, Fall Arrest Options:	
	1060919		6ft Platform	
	3890040		8ft Platform	
12	3900054	1	Bolt 1/2in-13NC x 1-3/4in	
13	4711800	2	Flatwasher 1/2in (Narrow)	
14	4751800	AR	Flatwasher 1/2in (Wide)	
15	1706385	1	Decal - Drop Bar (SN 0300085912 to SN 0300140000)	

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FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (SN 0300069000 TO SN 0300137975)



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FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (SN 0300069000 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0861517	Ref	CONSOLE BOX & FOOTSWITCH ASSEMBLY	K
1	0100009	AR	Sealant	
2	0100020	AR	Sealant	
3	0100035	AR	Compound, Locking	
4	0100048	AR	Grease, Dielectric	
5	0100081	AR	Adhesive	
6	0140011	1	Alarm	
7	0630464	2	Screw, Button Head #10-24NC x 1/2in	
8	0641406	4	Bolt 1/4in-20NC x 3/4in	
9		4	Bolt Options:	
	0641416		Bolt 1/4in-20NC x 2in (SN 0300069000 to SN 0300077500)	
	0641414		Bolt 1/4in-20NC x 1-3/4in (SN 0300077500 to SN 0300140000)	
10	0861537	1	Box, Console (See Items 110-106 for Breakdown)	
11	0902751	4	Bracket, Card Support	
12	1060918	7ft/2.1m	Cable, 18/3 (See PLATFORM COMPONENTS INSTALLATION for Location)	
13		1	Controller, Module Options:	
	1600313		SN 0300069000 to SN 0300077500	
	1600375		SN 0300077500 to SN 0300140000	
14	Use 1001129555	1	Controller Assembly (Swing & Lift) (See CONTROLLER ASSEMBLY (SWING & LIFT) for Breakdown) (was p/n 1600317 & 1001118417)	
15	Use 1001118416	1	Controller Assembly (Drive & Steer) (See CONTROLLER ASSEMBLY (DRIVE & STEER) for Breakdown) (was p/n 1600318)	
16	1670829	1	Bezel	
17	1671037	1	Cover	
18		1	Decal (Stop) Options:	
	1702564		SN 0300069000 to SN 0300073037	
	1704997		SN 0300073037 to SN 0300136488	
	1001107527		SN 0300136488 to SN 0300140000	
19	1702565	1	Decal (Drive and Steer)	
20	1702566	1	Decal (Lift and Swing)	
21	1702567	1	Decal (Function Speed)	
22	1704260	1	Decal - EMS	
23	1705132	1	Decal - ADE	
24	2560136	1	Handle, Knob	
25	2760105	1	Housing, Display Light	
26	3790012	6	O-Ring	
27	3300353	4	Nut, Tinnerman	
28	3520054	4	Plug, Hole	
29	See Note	1	Footswitch (Note: See PLATFORM COMPONENTS INSTALLATION for Service Parts)	
30	4360328	6	Switch, Toggle	
31	4360387	1	Switch, Pushbutton	

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FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (SN 0300069000 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
32	4360407	1	Controller, Speed	E
	See Note	1	Gasket "Top Hat" (Included W/Switch) (Note: Not Available - Purchase Complete Controller.)	
	70003784	1	Seal	
33	4360475	1	Switch, Emergency Stop	
	7020175	1	Cap, Red	
	7020176	1	Contact Block	
34	4360476	1	Block, Contact	
35	4460042	3	Ring, Terminal	
36	4460071	1	Connector, Strain Relief	
37	4460226	2	Contact, Socket (See ELECTRICAL SECTION for Location)	
38	4460234	2	Tie-Strap (Not Shown)	
39	4460428	2	Connector, Strain Relief	
40	4460464	1	Terminal, Deutsch (See ELECTRICAL SECTION for Location)	
41	4460470	1	Nut, Terminal	
42	4460471	1	Lockwasher, Terminal	
43	4460488	1	Base, Mounting (SN 0300069000 to SN 0300134720)	
44	4460708	2	Terminal, 15 Pin (See ELECTRICAL SECTION for Location)	
45	4460905	5	Plug, Seal (See ELECTRICAL SECTION for Location)	
46	4751400	8	Flatwasher 1/4in	
47		1	Harness, Platform Box Options:	
	4922639		SN 0300069000 to SN 0300136488	
	1001107753		SN 0300136488 to SN 0300140000	
48	4922666	1	Harness, Analyzer Cable (See ELECTRICAL SECTION for Location)	
49		AR	Bolt Options:	
	0721008	1	Bolt #10-24NC x 1in (SN 0300071157 to SN 0300113582)	
	0721006	2	Bolt #10-24NC x 3/4in (SN 0300113582 to SN 0300140000)	
50		AR	Nut Options:	
	3311001	1	Nut #10-24NC (SN 0300071157 to SN 0300113582)	
	3311005	2	Locknut #10-24NC (SN 0300113582 to SN 0300140000)	
51	4460007	1	Bar, Buss (SN 0300071157 to SN 0300140000)	
52	Not Used			
53	4751000	2	Flatwasher #10 (SN 0300113582 to SN 0300140000)	

	0272970	1	Preamsembled Footswitch Kit (Includes Items 2, 12, 29, 35, 36 & 40)	
	2910872	1	Decal Kit - Platform Console Box (Includes Items 18 - 22, 805 & 901)	
	0861537	Ref	CONSOLE BOX ASSEMBLY	
101	Use 0861537	1	Console Bottom (Note: Not Available for Purchase.)	
102	Use 0861537	1	Console Top (Note: Not Available for Purchase.)	
103	3311601	1	Nut 3/8in-16NC	
104		2	Pin Options:	
	3420156		Pin, Cotter (SN 0300069000 to SN 0300088136)	
	3470003		Pin, Hair (SN 0300088136 to SN 0300140000)	
105	0630568	1	Screw 3/8in-16NC x 4-1/2in	
106	4711500	2	Flatwasher 5/16in	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (SN 0300069000 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DUAL FUEL SWITCH INSTALLATIONS	
201	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
		Ref	HEAD & TAIL LIGHTS INSTALLATION (OPTIONAL)	
	0271768	Ref	Non-UL Spec Machines - SN 0300069000 to SN 0300136488	2
	0272754	Ref	UL Machines	1
301	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
	0271768	Ref	Non-UL Spec Machines - SN 0300136488 to SN 0300137975	C
302	4360522	1	Switch, Pushbutton	
303	1705170	1	Decal - Lights	
		Ref	SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)	
	0273824	Ref	6Ft/1.8m Platforms	B
	0272427	Ref	8Ft/2.4m Platforms	D
	0274927	Ref	6Ft/1.8m Platforms w/Fall Arrest	A
	1001108256	Ref	SN 0300069000 to SN 0300136488	A
	0273706	Ref	SN 0300136488 to SN 0300140000	B
401	4360387	1	Switch, Pushbutton	
402	1702938	1	Decal - Soft Touch Override	
403	4460425	1	Connector, Strain Relief	
404	2920028	1	Lamp, Indicator (SN 0300136488 to SN 0300140000)	
405	2920029	1	Bulb (SN 0300136488 to SN 0300140000)	
		Ref	PLATFORM WORKLIGHT INSTALLATION (OPTIONAL)	
	0270814	Ref	Non-UL Spec 800A & 800AJ - SN 0300069000 to SN 0300074427	3/E
	0273484	Ref	Non-UL Spec 800A - SN 0300074427 to SN 0300140000	D
	0273485	Ref	Non-UL Spec 800AJ - SN 0300074427 to SN 0300140000	D
	0272742	Ref	UL Machines	1/A
			Non-UL Spec Machines - Use Items 501-505	
501	4360232	1	Breaker, Circuit - 15Amp (SN 0300069000 to SN 0300074427)	
502	0721003	2	Bolt #10-24NC x 3/8in (SN 0300069000 to SN 0300074427)	
503	4761000	4	Lockwasher #10 (SN 0300069000 to SN 0300074427)	
504	3311001	2	Nut #10-24NC (SN 0300069000 to SN 0300074427)	

SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (SN 0300069000 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
505	4460598	1	Connector, Strain Relief Options: ANSI Spec Machines (SN 0300069000 to SN 0300074427)	
	4460426		ANSI Spec Machines (SN 0300074427 to SN 0300140000)	
			UL Spec Machines - Use Items 506-513	
506	4460598	1	Connector, Strain Relief	
507	2400067	1	Holder, Fuse	
508	2400068	1	Fuse, 10 Amp	
509	3910608	2	Screw	
510	4750600	3	Flatwasher	
511	4760600	2	Lockwasher	
512	3310601	2	Nut	
513	4740455	2	Flatwasher, Nylon Shoulder	
	0271340	Ref	JIB SWITCH INSTALLATION (OPTIONAL)	1
601	4360328	1	Switch, Toggle	
	3790012	1	O-Ring	
	0258945	Ref	STEER SWITCH (4WS) INSTALLATION (OPTIONAL)	1
701	4360331	1	Switch, Toggle	
	3790012	1	O-Ring	
	0271941	Ref	CONSOLE BOX INSTALLATION	B
801 to 804	Not Used			
805	1702676	1	Decal - Horn	
806 to 808	Not Used			
809	4360331	1	Switch, Toggle (4WD)	
	3790012	1	O-Ring	
	0275804	Ref	LIGHT PANEL DECAL INSTALLATION	B
901	1707111	1	Decal - Light Panel Display	
		Ref	Note: Machines should have been updated to this light panel installation.	

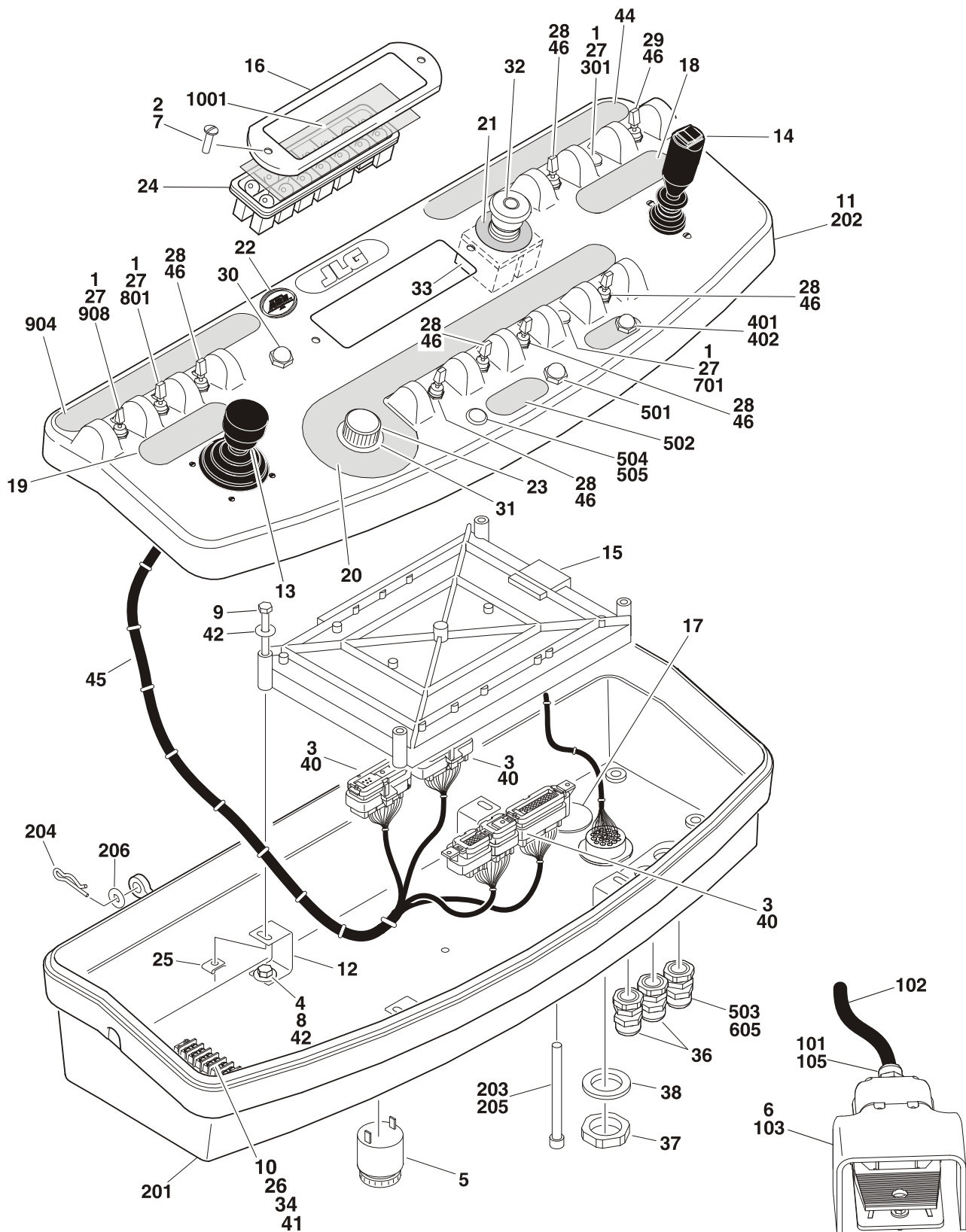
SECTION 4 PLATFORM

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY (SN 0300069000 TO SN 0300137975)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 4-5. PLATFORM CONSOLE ASSEMBLY (SN 0300137975 TO SN 0300140000)



SECTION 4 PLATFORM

FIGURE 4-5. PLATFORM CONSOLE ASSEMBLY (SN 0300137975 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	CONSOLE BOX & FOOTSWITCH ASSEMBLY	
	1001108735	Ref	Console (SN 0300138447 to SN 0300139070)	B
	1001114448	Ref	Console (SN 0300139070 to SN 0300140000)	C
1	0100009	AR	Sealant	
2	0100035	AR	Compound, Locking	
3	0100048	AR	Grease, Dielectric	
4	0100081	AR	Adhesive	
5	0140011	1	Alarm	
6	0272970	1	Footswitch Assembly (See Items 101-107 for Breakdown)	
7	0630464	2	Screw, Button Head #10-24NC x 1/2in	
8	0641404	4	Bolt 1/4in-20NC x 1/2in	
9	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
10	0721006	2	Bolt #10-24NC x 3/4in	
11	0861537	1	Box, Console (See Items 201-206 for Breakdown)	
12	0902751	4	Bracket, Card Support	
13	Use 1001129555	1	Controller Assembly (Swing & Lift) (See CONTROLLER ASSEMBLY (SWING & LIFT) for Breakdown) (was p/n 1600317 & p/n 1001118417)	
14	Use 1001118416	1	Controller Assembly (Drive & Steer) (See CONTROLLER ASSEMBLY (DRIVE & STEER) for Breakdown) (was p/n 1600318)	
15		1	Controller, Module Options (Re-calibration Required when Replaced):	
	1600375		SN 0300138447 to SN 0300139070	
	1001106355		SN 0300139070 to SN 0300140000	
16	1670829	1	Bezel	
17	Use 1001110434	1	Plug (was p/n 1671037)	
18	1702565	1	Decal (Drive and Steer)	
19	1702566	1	Decal (Lift and Swing)	
20	1702567	1	Decal (Function Speed)	
21	1704260	1	Decal - EMS	
22	1705132	1	Decal - ADE	
23	2560136	1	Handle, Knob	
24	2760105	1	Housing, Display Light	
25	3300353	4	Nut, Tinnerman	
26	3311005	2	Locknut #10-24NC	
27	3520054	AR	Plug, Hole	
28	4360328	6	Switch, Toggle	
29	4360330	1	Switch, Toggle	
30	4360387	1	Switch, Pushbutton	
31	4360407	1	Controller, Speed	
	See Note	1	Gasket "Top Hat" (Included W/Switch) (Note: Not Available for Purchase.)	
	70003784	1	Seal	
32	4360475	1	Switch, Emergency Stop	
	7020175	1	Cap, Red	
	7020176	1	Contact Block	
33	4360476	1	Block, Contact	
34	4460007	1	Bar, Buss	

SECTION 4 PLATFORM

FIGURE 4-5. PLATFORM CONSOLE ASSEMBLY (SN 0300137975 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
35	4460234	3	Mount, Tie-Strap (Not Shown)	A
36	4460428	2	Connector, Strain Relief	
37	4460470	1	Nut, Terminal	
38	4460471	1	Lockwasher, Terminal	
39	4460708	2	Terminal, 15 Pin (See ELECTRICAL SECTION for Location)	
40	4460905	5	Plug, Seal (See ELECTRICAL SECTION for Location)	
41	4751000	2	Flatwasher #10	
42	4751400	8	Flatwasher 1/4in	
43	4922666	1	Harness, Analyzer Cable (See ELECTRICAL SECTION for Location)	
44	1001107677	1	Decal (Stop)	
45	1001107753	1	Harness, Platform Box	
46	3790012	7	O-Ring	
	1001119563	1	Decal Kit (Includes Items 18-22, 44, 904 & 1001)	
	0272970	Ref	FOOT SWITCH ASSEMBLY	
101	0100020	AR	Pipe Sealant	E
102	1060918	7ft/2.1m	Cable, 18/3	
103	See Note	1	Footswitch (Note: See PLATFORM COMPONENTS INSTALLATION for Service Parts)	
104	Not Used			
105	4460071	1	Connector, Strain Relief	
106	4460226	2	Socket, Female (Not Shown - Used with Footswitch) (See ELECTRICAL SECTION for Location)	
107	4460464	1	Terminal, Deutsch (Not Shown - Used with Footswitch) (See ELECTRICAL SECTION for Location)	
	0861537	Ref	CONSOLE BOX ASSEMBLY	
201	Use 0861537	1	Console Bottom (Note: Not Available for Purchase.)	
202	Use 0861537	1	Console Top (Note: Not Available for Purchase.)	
203	3311601	1	Nut 3/8in-16NC	C
204	3470003	2	Pin, Hair	
205	0630568	1	Screw 3/8in-16NC x 4-1/2in	
206	4711500	2	Flatwasher 5/16in	
		Ref	DUAL FUEL SWITCH INSTALLATION	
301	4360336	1	Switch, Toggle	
	3790012	1	O-Ring	
	0271768	Ref	HEAD & TAIL LIGHTS INSTALLATION (OPTIONAL)	
401	4360522	1	Switch, Pushbutton	
402	1705170	1	Decal - Lights	

SECTION 4 PLATFORM

FIGURE 4-5. PLATFORM CONSOLE ASSEMBLY (SN 0300137975 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)	
	0273824	Ref	6Ft/1.8m Platforms	B
	0272427	Ref	8Ft/2.4m Platforms	D
	1001108256	Ref	6Ft/1.8m Platforms w/Fall Arrest	A
	0273706	Ref	8Ft/2.4m Platforms w/Fall Arrest	B
501	4360387	1	Switch, Pushbutton	
502	1702938	1	Decal - Soft Touch Override	
503	4460425	1	Connector, Strain Relief	
504	2920028	1	Lamp, Indicator	
505	2920029	1	Bulb	
		Ref	PLATFORM WORKLIGHT INSTALLATION (OPTIONAL)	
	0273484	Ref	800A	D
	0273485	Ref	800AJ	D
601 to 604	Not Used	1		
605	4460426	1	Connector, Strain Relief	
	0271340	Ref	JIB SWITCH INSTALLATION (OPTIONAL)	1
701	4360328	1	Switch, Toggle	
	3790012	1	O-Ring	
	0258945	Ref	STEER SWITCH (4WS) INSTALLATION (OPTIONAL)	A
801	4360331	1	Switch, Toggle	
	3790012	1	O-Ring	
	1001108736	Ref	CONSOLE BOX INSTALLATION	A
901 to 903	Not Used			
904	1702676	1	Decal - Horn	
905 to 907	Not Used			
908	4360331	1	Switch, Toggle (4WD)	
	3790012	1	O-Ring	
	1001108763	Ref	LIGHT PANEL DECAL INSTALLATION	A
1001	1001107927	1	Decal - Light Panel Display	

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FIGURE 4-6. CONTROLLER ASSEMBLY (SWING & LIFT)

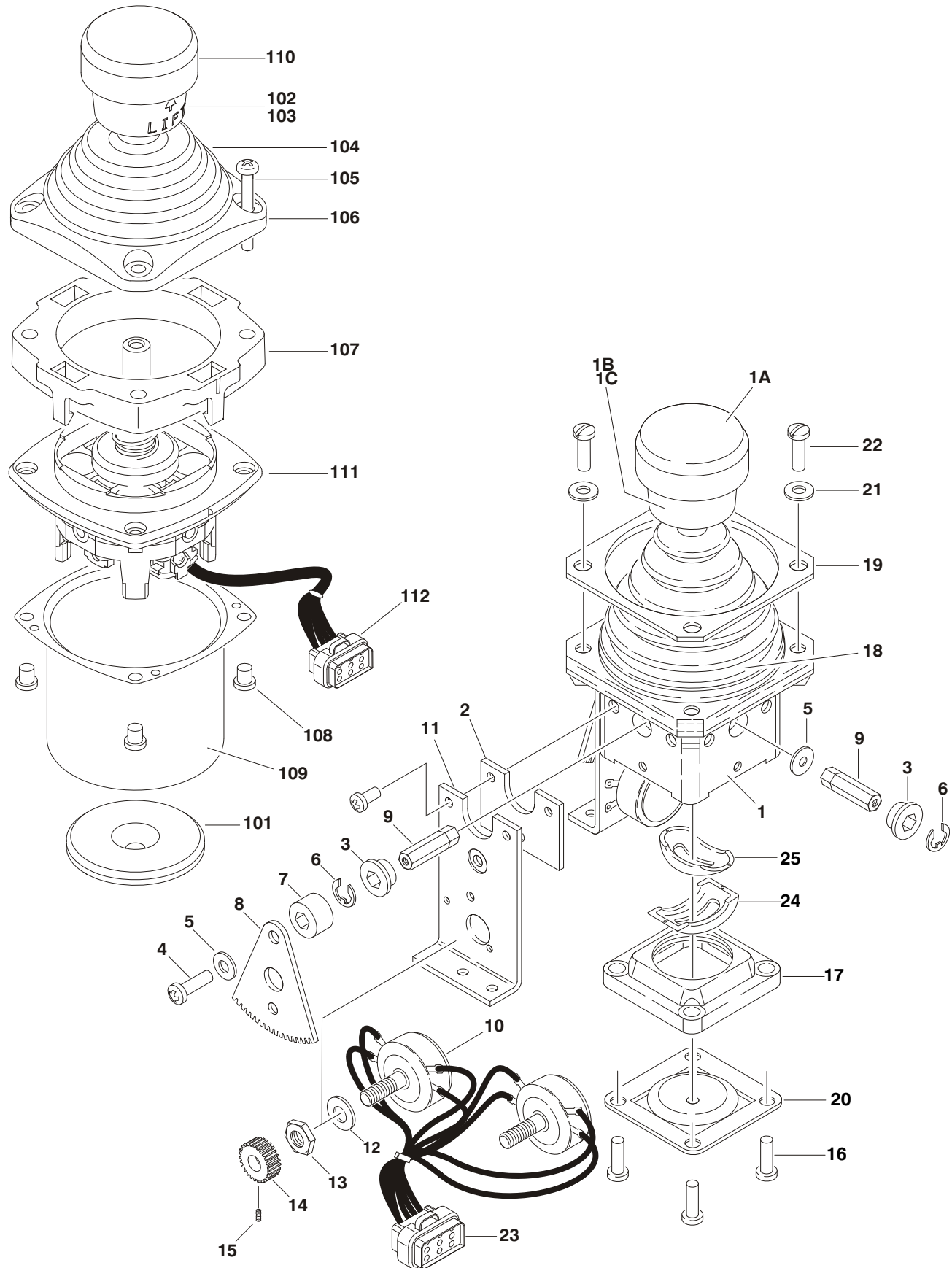


FIGURE 4-6. CONTROLLER ASSEMBLY (SWING & LIFT)

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 (Original Equipment)	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)	A
		Ref	Note: Was p/n 100118417 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 4-6. CONTROLLER ASSEMBLY (SWING & LIFT) (CONTINUED)

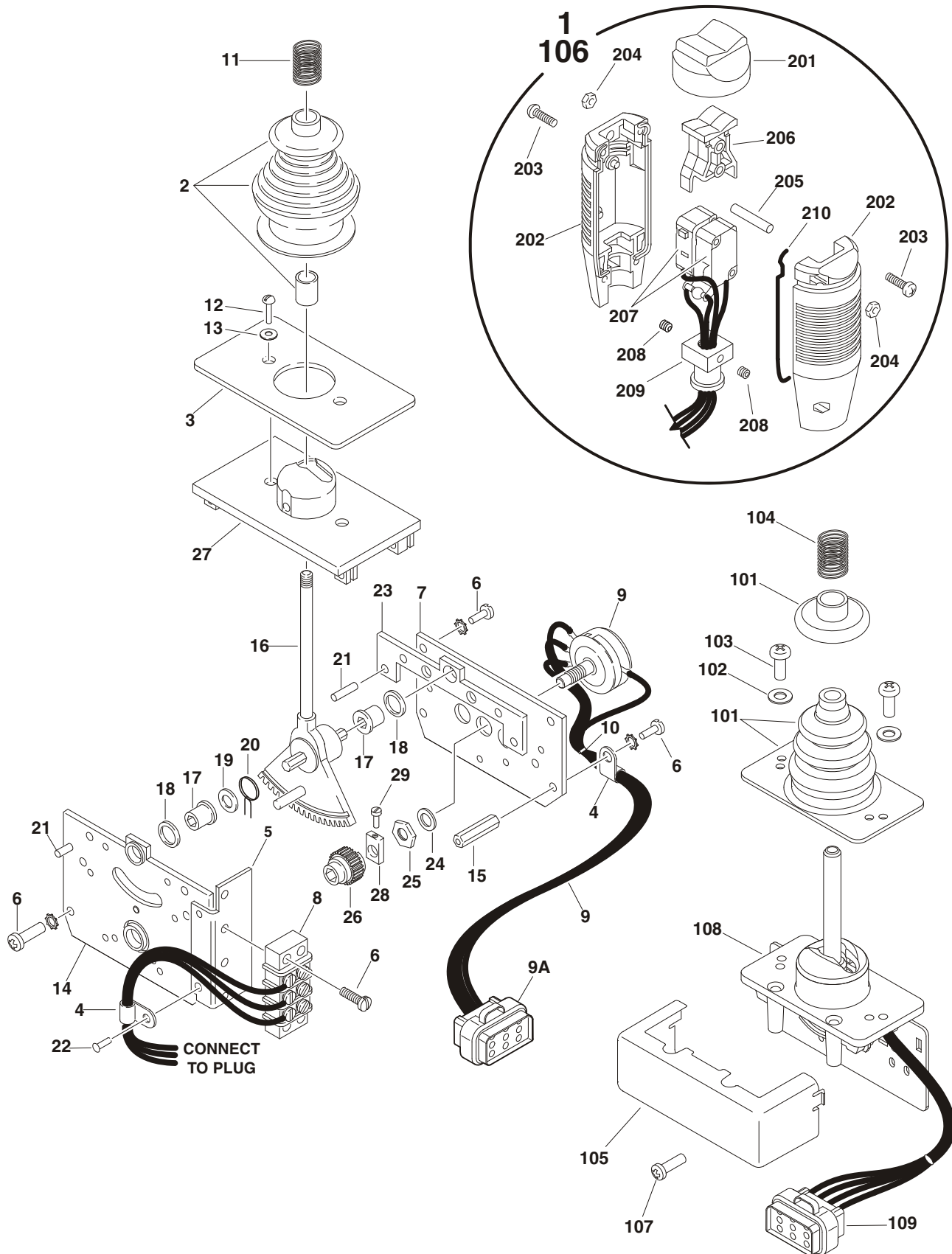
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
108	70002734	4	Screw	
109	70002735	1	Can, Enclosure	
110	70002906	1	Cap	
111	Use 1001129555	1	Mechanical Assembly (Note: Not Available for Purchase.)	
112	7022819	1	Plug, Male 8 Position (Natural) (Not Shown)	
	4460871	6	Socket, Female	

FIGURE 4-6. CONTROLLER ASSEMBLY (SWING & LIFT) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

FIGURE 4-7. CONTROLLER ASSEMBLY (DRIVE & STEER)



SECTION 4 PLATFORM

FIGURE 4-7. CONTROLLER ASSEMBLY (DRIVE & 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 (Original Equipment)	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 4-7. CONTROLLER ASSEMBLY (DRIVE & STEER) (CONTINUED)

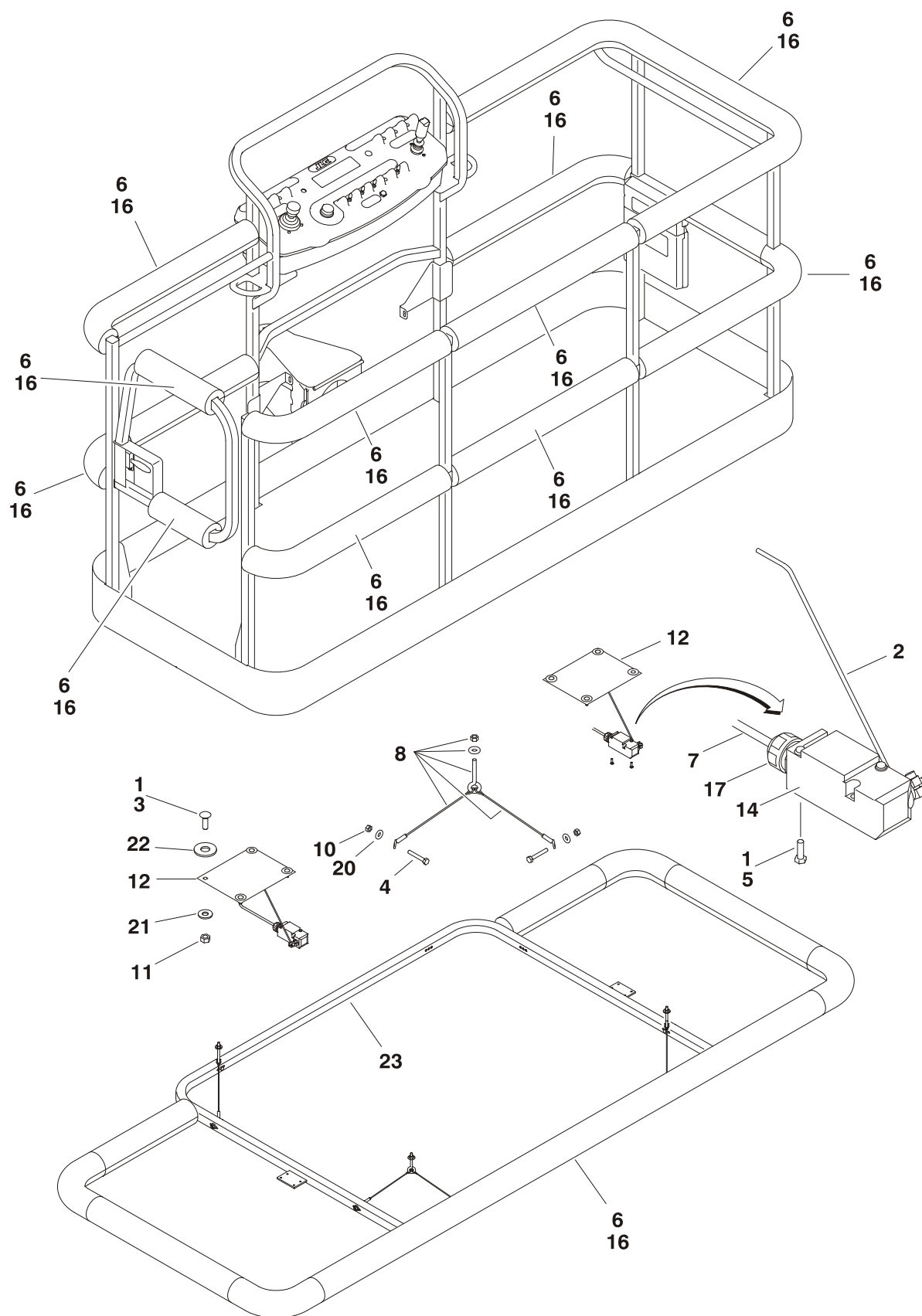
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
109	Use 1001113961	1	Plug, Male - 8 Position (Black) (was p/n 7022825)	
	4460871	7	Socket, Female	
		Ref	HANDLE ASSEMBLIES	
	7022812	Ref	Controller Assembly p/n 1600318	
	70002727	Ref	Controller Assembly p/n 1001118416	
201	7003972	1	Boot, Switch	
202	7003973	2	Half, Handle	
203	7003980	4	Screw	
204	7019167	4	Nut	
205	7019164	1	Axle	
206	7019165	1	Rocker	
207		AR	Wiring Assembly Options:	
	7019196	1	Controller Assembly p/n 1600318	
	7019166	2	Switch, Micro	
	70002729	1	Controller Assembly p/n 1001118416	
	7003982	2	Switch, Micro	
208	7003983	2	Setscrew	
209	7019194	1	Coupling	
210	7003989	2	Gasket	

FIGURE 4-7. CONTROLLER ASSEMBLY (DRIVE & STEER) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 4 PLATFORM

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



SECTION 4 PLATFORM

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

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	SOFT TOUCH SYSTEM INSTALLATIONS OPTIONS:	
	0273824	Ref	6Ft/1.8m Platforms	B
	0272427	Ref	8Ft/2.4m Platforms	D
		Ref	6Ft/1.8m Platforms w/Fall Arrest	
	0274927	Ref	SN 0300069000 to SN 0300136488	A
	1001108256	Ref	SN 0300136488 to SN 0300140000	A
	0273706	Ref	8Ft/2.4m Platforms w/Fall Arrest	B
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch Activator	
3	0630462	8	Bolt, Carriage	
4	0641414	8	Bolt 1/4in-20NC x 1-3/4in	
5	0731005	4	Screw, Machine #10-32 x 5/8in	
6		1	Bumper Kit Options:	
	0940134		6Ft/1.8m Platforms	
	0940103		8Ft/2.4m Platforms	
	0940177		6Ft/1.8m Platforms w/Fall Arrest	
	0940133		8Ft/2.4m Platforms w/Fall Arrest	
7	1060341	AR	Cable, Electrical - 16/2	
8	1060903	4	Wire Rope & Eyebolt Assembly	
9	Not Used			
10	3311401	8	Nut 1/4in-20NC	
11	3311501	8	Nut 5/16in-18NC	
12		2	Plate, Striker Options:	
	3575359		6Ft/1.8m Platforms	
	3574091		8Ft/2.4m Platforms	
13	4240099	7	Tie-Strap (Not Shown)	
14	4360057	2	Switch, Limit	
15	Not Used			
16	4420068	1	Tape, Yellow Adhesive	
17		2	Connector, Strain Relief Options:	
	4460425		6Ft/1.8m Platforms	
	4460049		8Ft/2.4m Platforms	
	4460049		All Platforms w/Fall Arrest	
18	4460234	AR	Base, Tie-Strap Mounting (Not Shown)	
19	Not Used			
20	4751400	8	Flatwasher 1/4in Wide	
21	4751500	AR	Flatwasher 5/16in Wide	
22	4751800	8	Flatwasher 1/2in Wide	
23		1	Rail, Soft-Touch Options:	
	3641569	1	6Ft/1.8m Platforms	
	4846673	1	8Ft/2.4m Platforms	
	0272444	Ref	SOFT TOUCH COUNTERWEIGHT INSTALLATION (NOT SHOWN) (SN 0300068374 TO SN 0300140000)	C
	4821397	1	Counterweight (Located in Frame)	

SECTION 4 PLATFORM

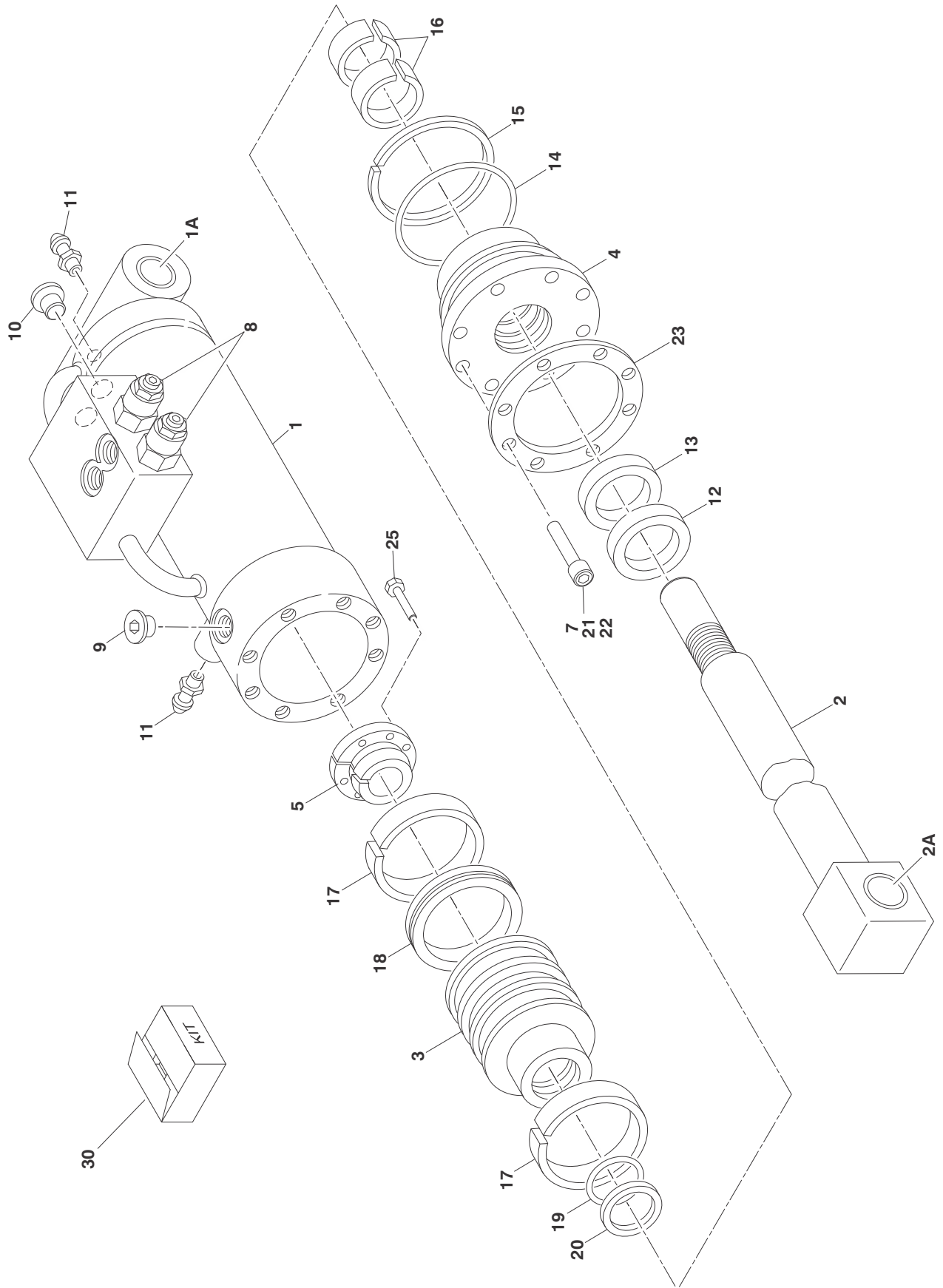
FIGURE 4-8. SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 5 CYLINDER

SECTION 5 CYLINDER

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY



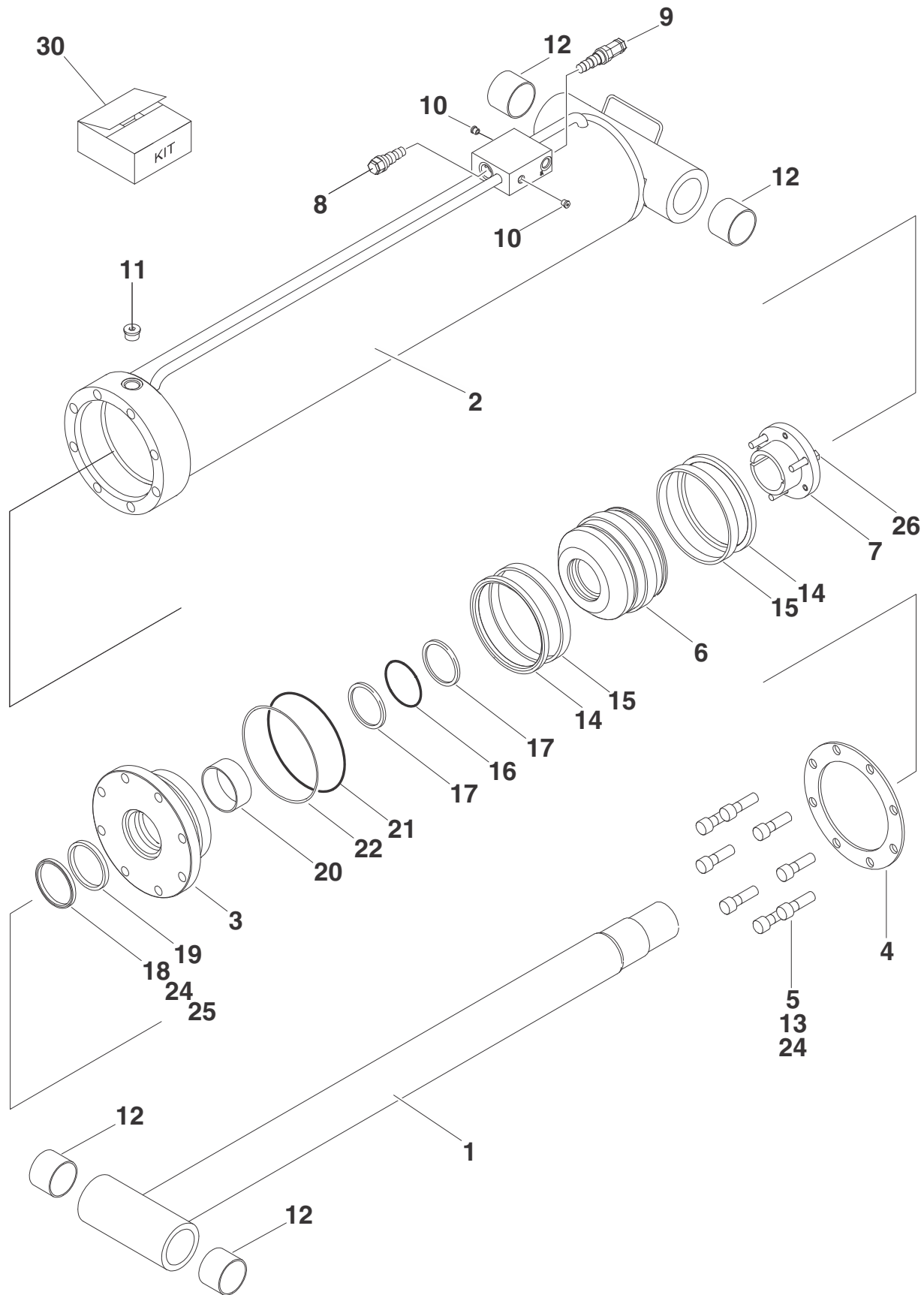
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FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683078	Ref	AXLE LOCKOUT CYLINDER ASSEMBLY	L
1	1684191	1	Barrel Weldment (Note: Includes Item 1A)	
1A		2	Bushing Options: SN 0300069000 to SN 0300070075	
	0961816		SN 0300070075 to SN 0300140000	
	0962496			
2	1683986	1	Rod Weldment (Note: Includes Item 2A)	
2A		2	Bushing Options: SN 0300069000 to SN 0300070075	
	0961816		SN 0300070075 to SN 0300140000	
	0962496			
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	
26 to 29	Not Used			
30	2901271	1	Seal Kit (Includes Items 12-20)	

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FIGURE 5-2. UPRIGHT LEVEL CYLINDER ASSEMBLY



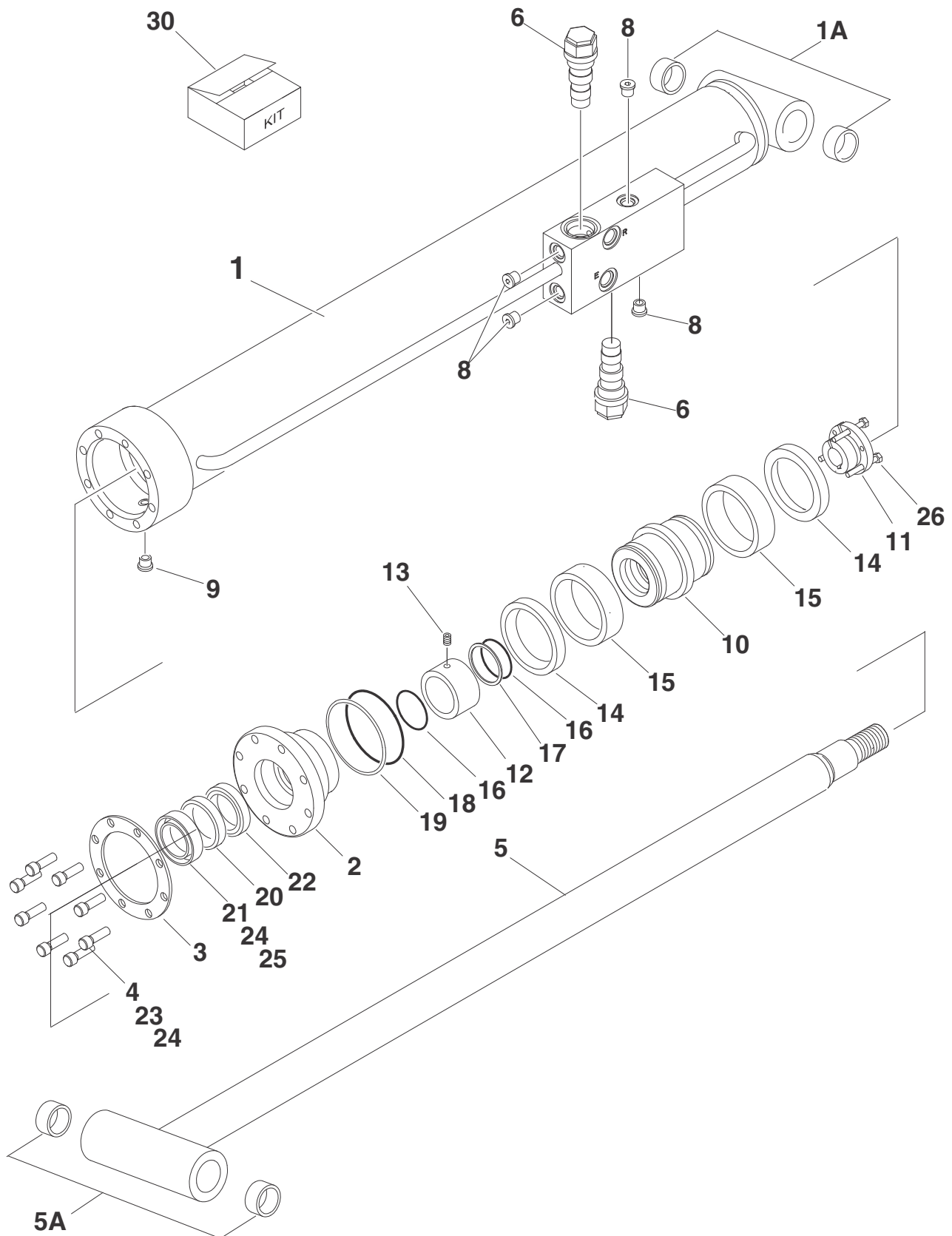
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FIGURE 5-2. UPRIGHT LEVEL CYLINDER ASSEMBLY

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Note: Original Equipment Cylinder may have been replaced with Service Replacement Cylinder. Identify p/n stamped on cylinder before ordering parts.	
		Ref	UPRIGHT LEVEL CYLINDER ASSEMBLIES:	
	1683546	Ref	Original Equipment	H
	1684497	Ref	Service Replacement	C
1	1683544	1	Rod Weldment	
2	Use 0370034	1	Barrel Weldment (was p/n 1683819)	
3	1683071	1	Head	
4	3760374	1	Ring, Washer	
5	3932240	8	Bolt, Socket Head 3/4in x 2-1/2in	
6	3480237	1	Piston	
7	0961901	1	Bushing, Tapered	
8	4640509	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640509 Valve	
9	4640605	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640605 Valve	
10	2220883	2	Plug, O-Ring	
11	2220888	1	Plug, O-Ring	
12	0962102	4	Bushing	
13	Not Used			
14	Use 2901526	2	Ring, Lock	
15	Use 2901526	2	Seal	
16	Use 2901526	1	Ring, Washer	
17	Use 2901526	2	Ring, Back-up	
18	Use 2901526	1	Wiper	
19	Use 2901526	1	Seal, Rod	
20	Use 2901526	1	Ring, Wear	
21	Use 2901526	1	O-Ring	
22	Use 2901526	1	Ring, Back-up	
23	0100011	AR	Compound, Locking	
24	0100038	AR	Primer, Locking	
25	0100063	AR	Loctite #RC609 (SN 0300069000 to SN 0300133544)	
26	0630537	3	Bolt	
27 to 29	Not Used			
30	2901526	1	Seal Kit (Includes Items 14-22)	

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FIGURE 5-3. LIFT CYLINDER ASSEMBLY - JIB (800AJ ONLY)



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FIGURE 5-3. LIFT CYLINDER ASSEMBLY - JIB (800AJ 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	Not Used			
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	1	SN 0300069000 to SN 0300079613	
	4100100	1	SN 0300079613 to SN 0300140000	
13	3900141	1	Setscrew 1/4in-20NC x 1/4in (SN 0300069000 to SN 0300079613)	
14	Use 2901303	2	Ring, Lock	
15	Use 2901303	2	Seal, Piston	
16	Use 2901303	2	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	
26	0630534	3	Capscrew, Socket Head #10-24NC x 1in	
27 to 29	Not Used			
30	2901303	1	Seal Kit (Includes Items 14-22)	

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FIGURE 5-4. LIFT CYLINDER ASSEMBLY - MAIN BOOM

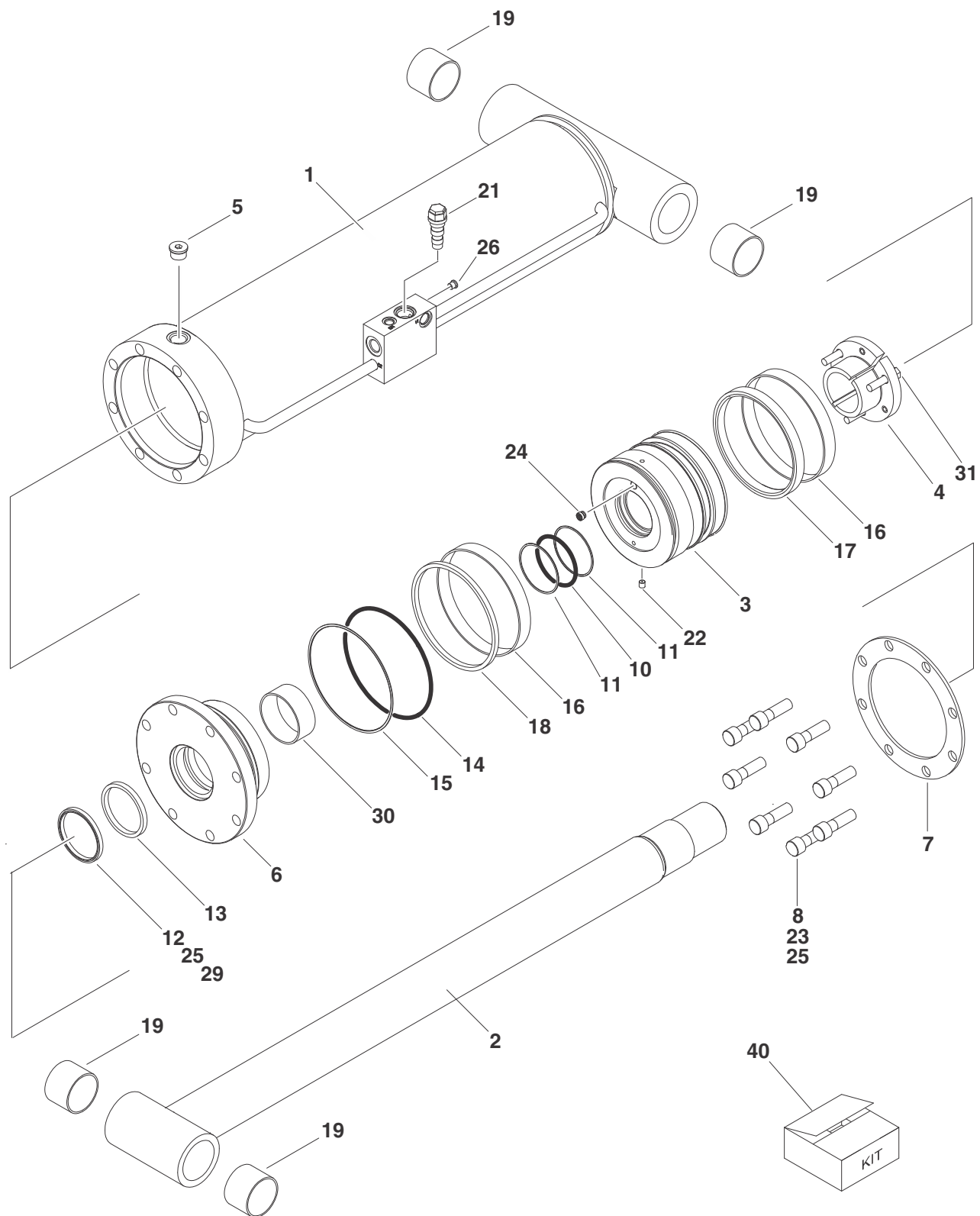
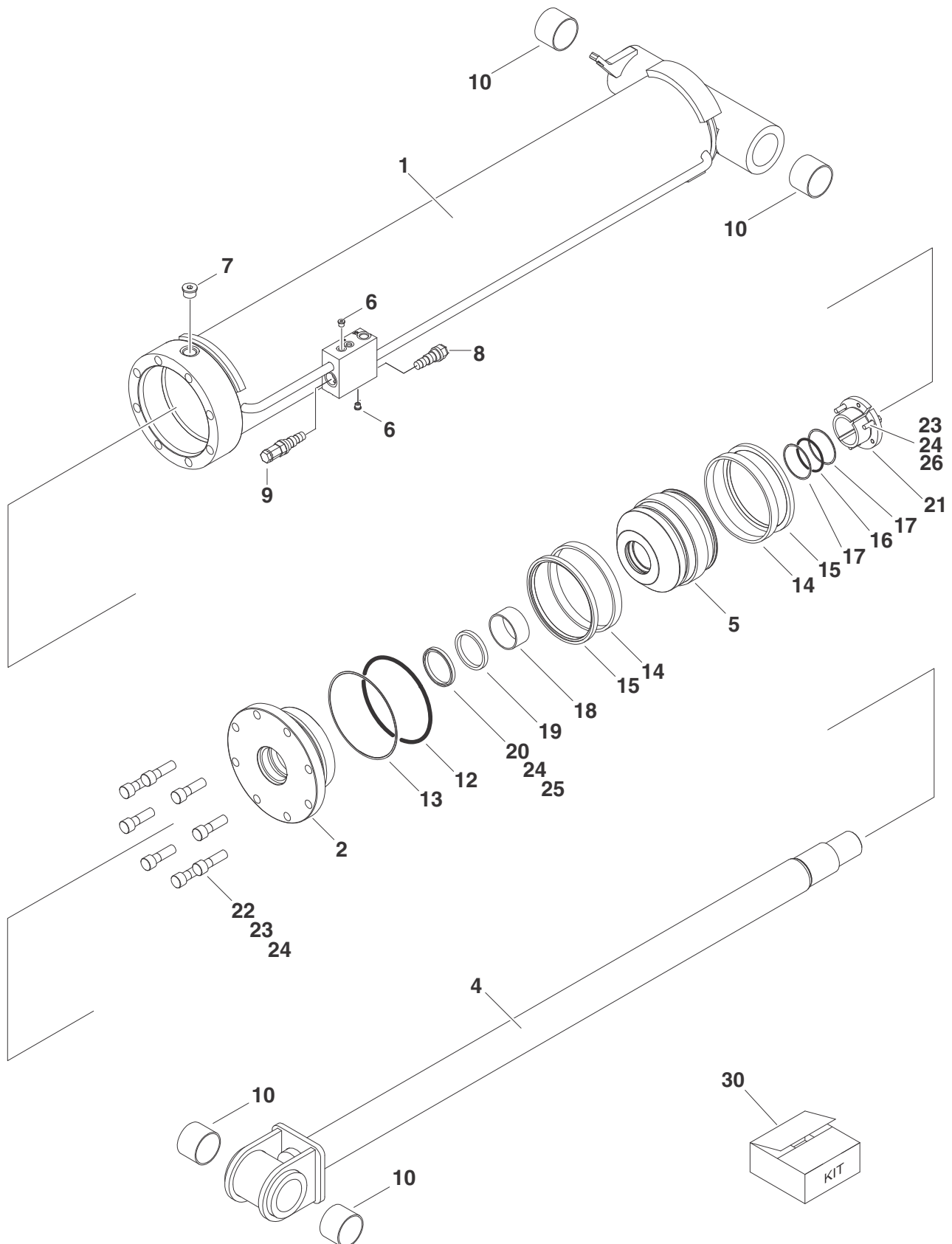


FIGURE 5-4. LIFT CYLINDER ASSEMBLY - MAIN BOOM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683547	Ref	MAIN BOOM LIFT CYLINDER ASSEMBLY	L
1	1683821	1	Barrel Weldment	
2	1683549	1	Rod Weldment	
3	3480238	1	Piston	
4	0961901	1	Bushing, Tapered	
5	2220888	1	Plug, O-Ring	
6	1683071	1	Head	
7	3760374	1	Washer, Ring	
8	3932240	8	Bolt, Socket Head 3/4in x 2-1/2in	
9	Not Used			
10	Use 2901514	1	O-Ring	
11	Use 2901514	2	Ring, Back-up	
12	Use 2901514	1	Wiper	
13	Use 2901514	1	Seal, Rod	
14	Use 2901514	1	O-Ring	
15	Use 2901514	1	Ring, Back-up	
16	Use 2901514	2	Ring, Wear	
17	Use 2901514	1	T-Seal	
18	Use 2901514	1	Seal	
19	0962102	4	Bushing, Garmax	
20	Not Used			
21	4640509	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640509 Valve	
22	2180615	1	Orifice	
23	0100011	AR	Compound, Locking	
24	4641027	1	Plug, Check Valve	
25	0100038	AR	Primer, Locking	
26	2220883	1	Plug	
27 to 28	Not Used			
29	0100063	AR	Loctite RC609 (SN 0300069000 to SN 0300134353)	
30	Use 2901514	1	Ring, Wear	
31	0630537	3	Bolt	
32 to 39	Not Used			
40	2901514	1	Seal Kit (Includes Items 10-18 & 30)	

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FIGURE 5-5. LIFT CYLINDER ASSEMBLY - TOWER BOOM



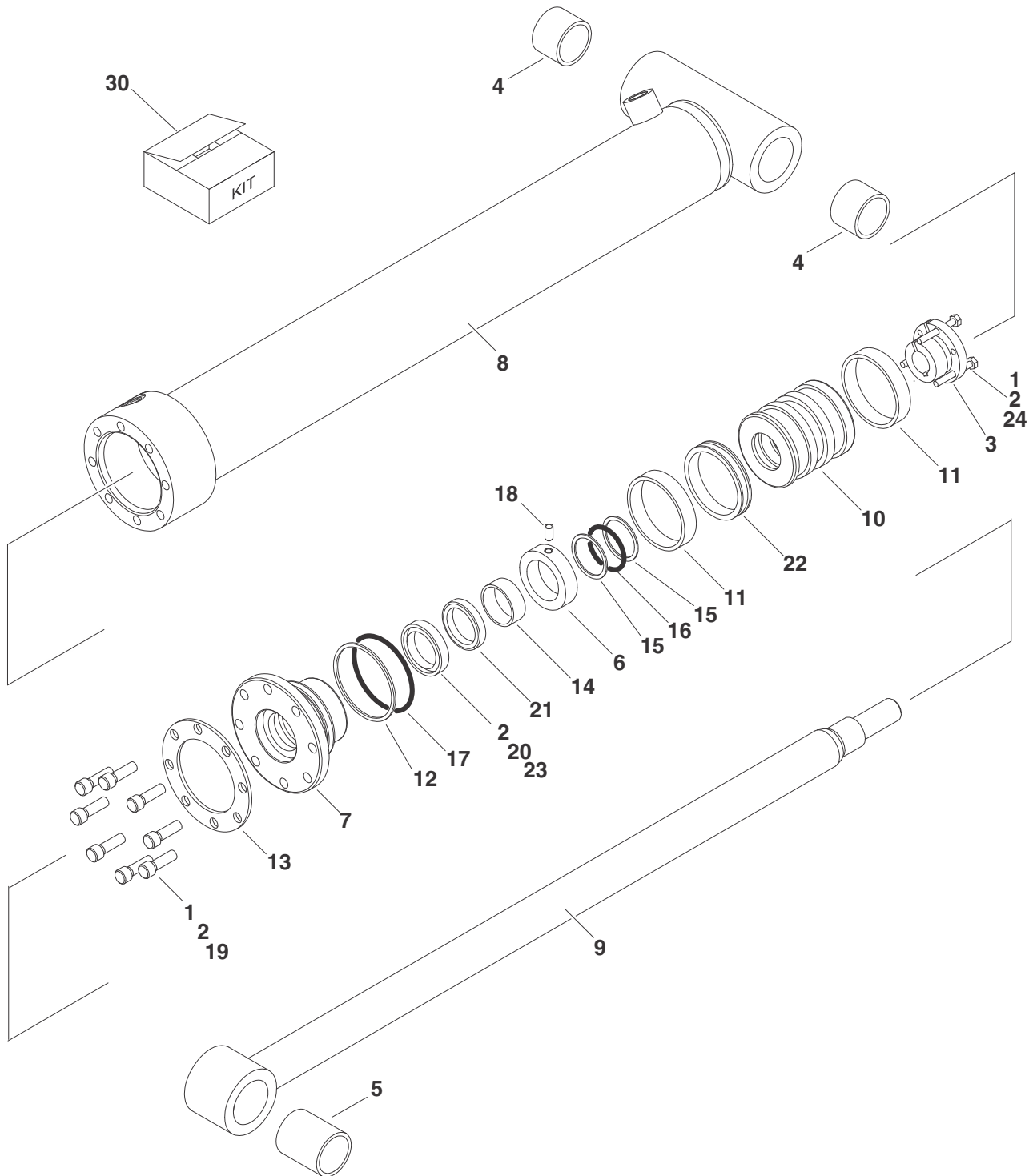
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FIGURE 5-5. LIFT CYLINDER ASSEMBLY - TOWER BOOM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683537	Ref	TOWER LIFT CYLINDER ASSEMBLY	I
1	1683823	1	Barrel Weldment	
2	1683818	1	Head	
3	Not Used			
4	1683539	1	Rod Weldment	
5	3480236	1	Piston	
6	2220883	2	Plug, O-Ring	
7	2220888	1	Plug, O-Ring	
8	4640509	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640999 Valve	
9	4640605	1	Cartridge, Valve	
	2900792	1	Seal Kit - 4640605 Valve	
10	0962102	4	Bushing, Garmax	
11	Not Used			
12	Use 2901537	1	O-Ring	
13	Use 2901537	1	Ring, Lock	
14	Use 2901537	2	Seal	
15	Use 2901537	2	Ring, Lock	
16	Use 2901537	1	O-Ring	
17	Use 2901537	2	Ring, Back-up	
18	Use 2901537	1	Ring, Wear	
19	Use 2901537	1	Seal	
20	Use 2901537	1	Wiper	
21	0961903	1	Bushing, Tapered	
22	3932240	8	Capscrew, Socket Head 3/4in x 2-1/2in	
23	0100011	AR	Compound, Locking	
24	0100038	AR	Primer, Locking	
25	0100063	AR	Loctite #RC609 (SN 0300069000 to SN 0300133544)	
26	0630536	3	Bolt	
27 to 29	Not Used			
30	2901537	1	Seal Kit (Includes Items 12-20)	

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FIGURE 5-6. MASTER CYLINDER ASSEMBLY - 800A



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FIGURE 5-6. MASTER CYLINDER ASSEMBLY - 800A

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683608	Ref	MASTER CYLINDER ASSEMBLY	G
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0962185	1	Bushing, Tapered	
4	0961951	2	Bushing, Garmax	
5	0962155	1	Bushing, Garmax	
6	0962156	1	Spacer, Tube	
7	1683050	1	Head	
8	1684114	1	Barrel	
9	1684115	1	Rod	
10	3480232	1	Piston	
11	Use 2901549	2	Ring, Wear	
12	Use 2901549	1	Ring, Back-up	
13	3760367	1	Ring, Washer	
14	Use 2901549	1	Ring, Wear	
15	Use 2901549	2	Ring, Back-up	
16	Use 2901549	1	O-Ring	
17	Use 2901549	1	O-Ring	
18	3900139	1	Setscrew 1/4in-20NC x 1/2in	
19	3931516	8	Capscrew 5/16in-18NC x 1in	
20	Use 2901549	1	Wiper	
21	Use 2901549	1	Seal	
22	Use 2901549	1	T-Seal	
23	0100063	AR	Loctite #RC 609	
24	0630534	3	Capscrew, Socket Head #10-24NC x 1in	
25 to 29	Not Used			
30	2901549	1	Seal Kit - 1683608 Cylinder (Includes Items 11,12, 14-17 & 20-22)	

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FIGURE 5-7. MASTER CYLINDER ASSEMBLY - 800AJ

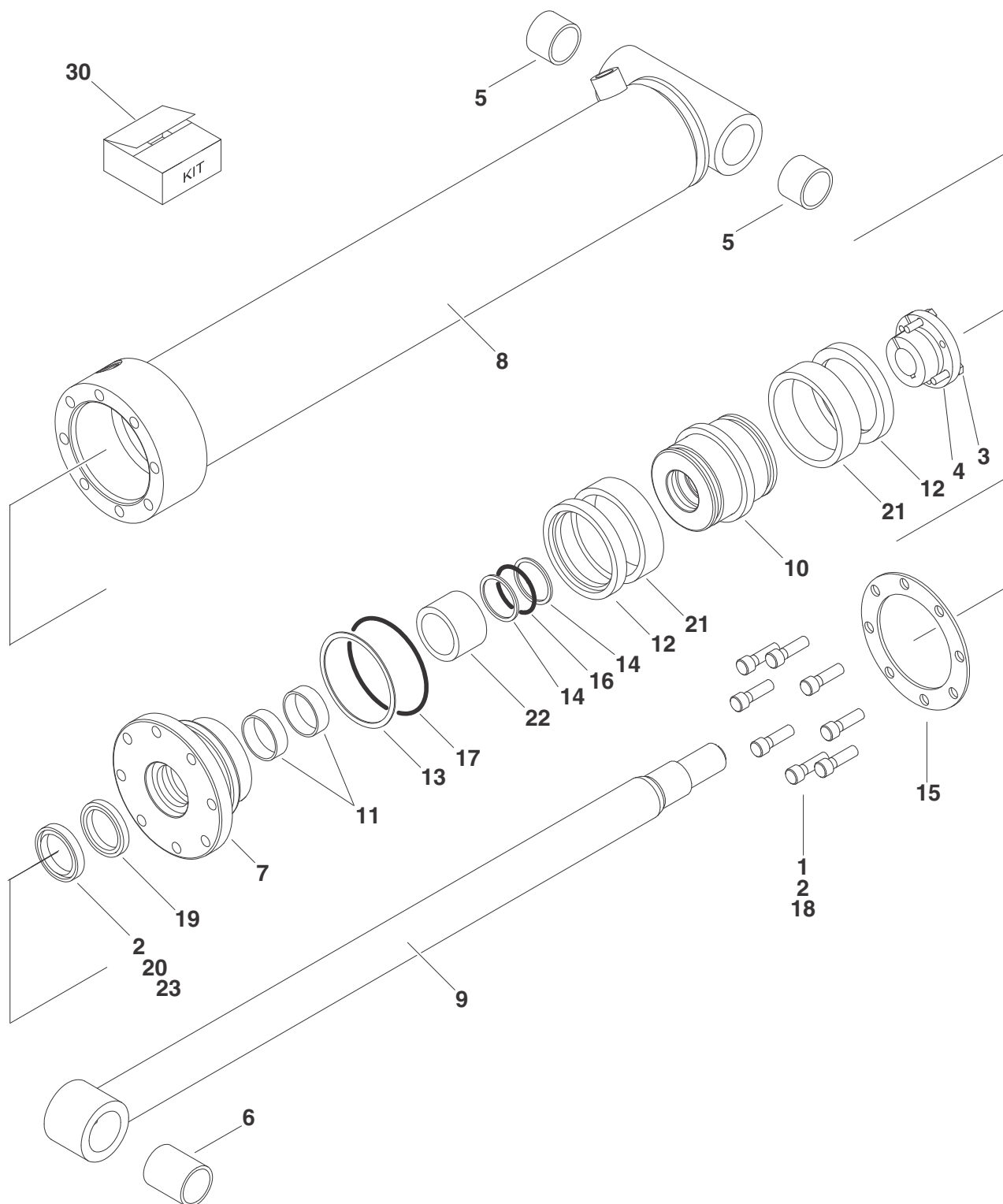
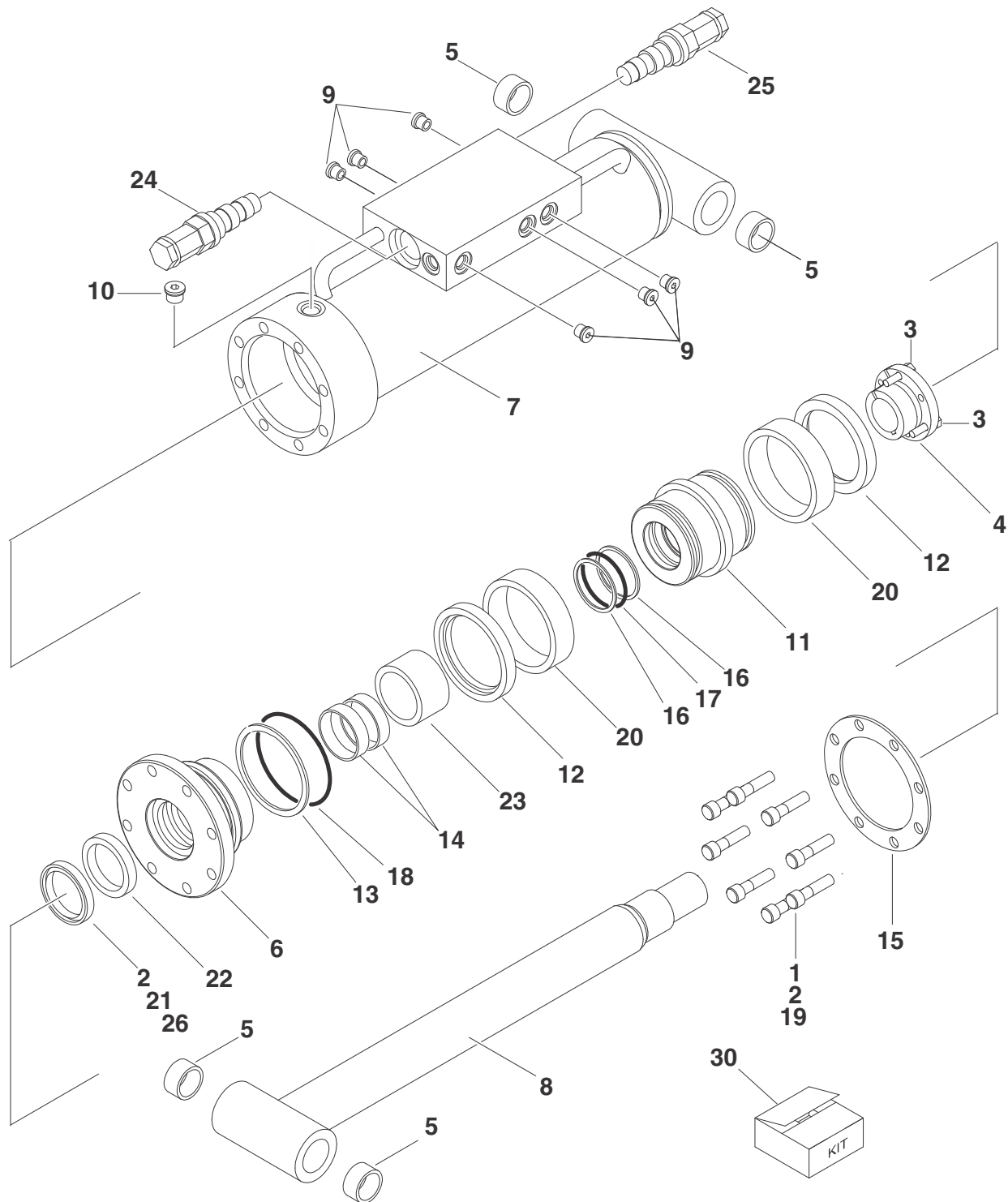


FIGURE 5-7. MASTER CYLINDER ASSEMBLY - 800AJ

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683682	Ref	MASTER CYLINDER ASSEMBLY	E
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0630535	3	Capscrew, Socket Head 1/4in-20NC x 1in	
4	0961894	1	Bushing, Tapered	
5	0961951	2	Bushing, Garmax	
6	0962155	1	Bushing, Garmax	
7	1683055	1	Head	
8	1684125	1	Barrel	
9	1684126	1	Rod	
10	3480188	1	Piston	
11	Use 2901301	2	Ring, Wear	
12	Use 2901301	2	Ring, Lock	
13	Use 2901301	1	Ring, Back-up	
14	Use 2901301	2	Ring, Back-up	
15	3760369	1	Ring, Washer	
16	Use 2901301	1	O-Ring	
17	Use 2901301	1	O-Ring	
18	3931620	8	Capscrew 3/8in-16NC x 1-1/4in	
19	Use 2901301	1	Seal, Rod	
20	Use 2901301	1	Wiper	
21	Use 2901301	2	Seal	
22	4566468	1	Spacer, Tube	
23	0100063	AR	Loctite #RC 609 (SN 0300069000 to SN 0300133482)	
24 to 29	Not Used			
30	2901301	1	Seal Kit - 1683682 Cylinder (Includes Items 11-14, 16, 17 & 19-21)	

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FIGURE 5-8. SLAVE CYLINDER ASSEMBLIES



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FIGURE 5-8. SLAVE CYLINDER ASSEMBLIES

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Note: Original Equipment Cylinder may have been replaced with Service Replacement Cylinder. Identify p/n stamped on cylinder before ordering parts.	
		Ref	SLAVE CYLINDER ASSEMBLIES:	
		Ref	800A	
	1683610	Ref	Original Equipment	E
	1684408	Ref	Service Replacement	C
		Ref	800AJ	
	1683677	Ref	Original Equipment	B
	1684228	Ref	Service Replacement	C
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0630535	3	Capscrew, Socket Head 1/4in-20NC x 1in	
4		1	Bushing, Tapered Options:	
	0961902		800A	
	0961894		800AJ	
5		4	Bushing, Garmax Options:	
	0961947		800A	
	0961951		800AJ	
6		1	Head Options:	
	1683074		800A	
	1683055		800AJ	
7		1	Barrel Options: (Note: Item 5 not Included - Purchase Separately.)	
	1683642		Used with p/n 1683610	
	0370022		Used with p/n 1684408	
	1683678		Used with p/n 1683677	
	1684230		Used with p/n 1684228	
8		1	Rod Options: (Note: Item 5 not Included - Purchase Separately.)	
	1683643		Used with p/n 1683610	
	3850018		Used with p/n 1684408	
	1683680		Used with p/n 1683677	
	1684232		Used with p/n 1684228	
			800A	
			800AJ	
9	2220883	6	Plug	
10	2220885	1	Plug	
11		1	Piston Options:	
	3480233		800A	
	3480188		800AJ	
12	See Note	2	Ring, Lock (Note: Use Item 30)	
13	See Note	1	Ring, Back-up (Note: Use Item 30)	
14	See Note	2	Ring, Wear (Note: Use Item 30)	
15	3760369	1	Ring, Washer	
16	See Note	2	Ring, Back-up (Note: Use Item 30)	
17	See Note	1	O-Ring (Note: Use Item 30)	
18	See Note	1	O-Ring (Note: Use Item 30)	

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FIGURE 5-8. SLAVE CYLINDER ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
19	3931620	8	Capscrew 3/8in-16NC x 1-1/4in	
20	See Note	2	Seal (Note: Use Item 30)	
21	See Note	1	Wiper (Note: Use Item 30)	
22	See Note	1	Seal (Note: Use Item 30)	
23		1	Spacer, Tube Options:	
	4567434		800A	
	4566468		800AJ	
24	4640605	1	Valve, Cartridge	
	2900792	1	Seal Kit - 4640605 Valve	
25	4640932	1	Valve, Cartridge	
	7011112	1	Seal Kit - 4640932 Valve	
26	0100063	AR	Loctite #RC609	
27 to 29	Not Used			
30		1	Seal Kit Options (Includes Items 12-14, 16-18 & 20-22)	
	2901556		800A	
	2901301		800AJ	

FIGURE 5-8. SLAVE CYLINDER ASSEMBLIES (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 5-9. STEER CYLINDER ASSEMBLY

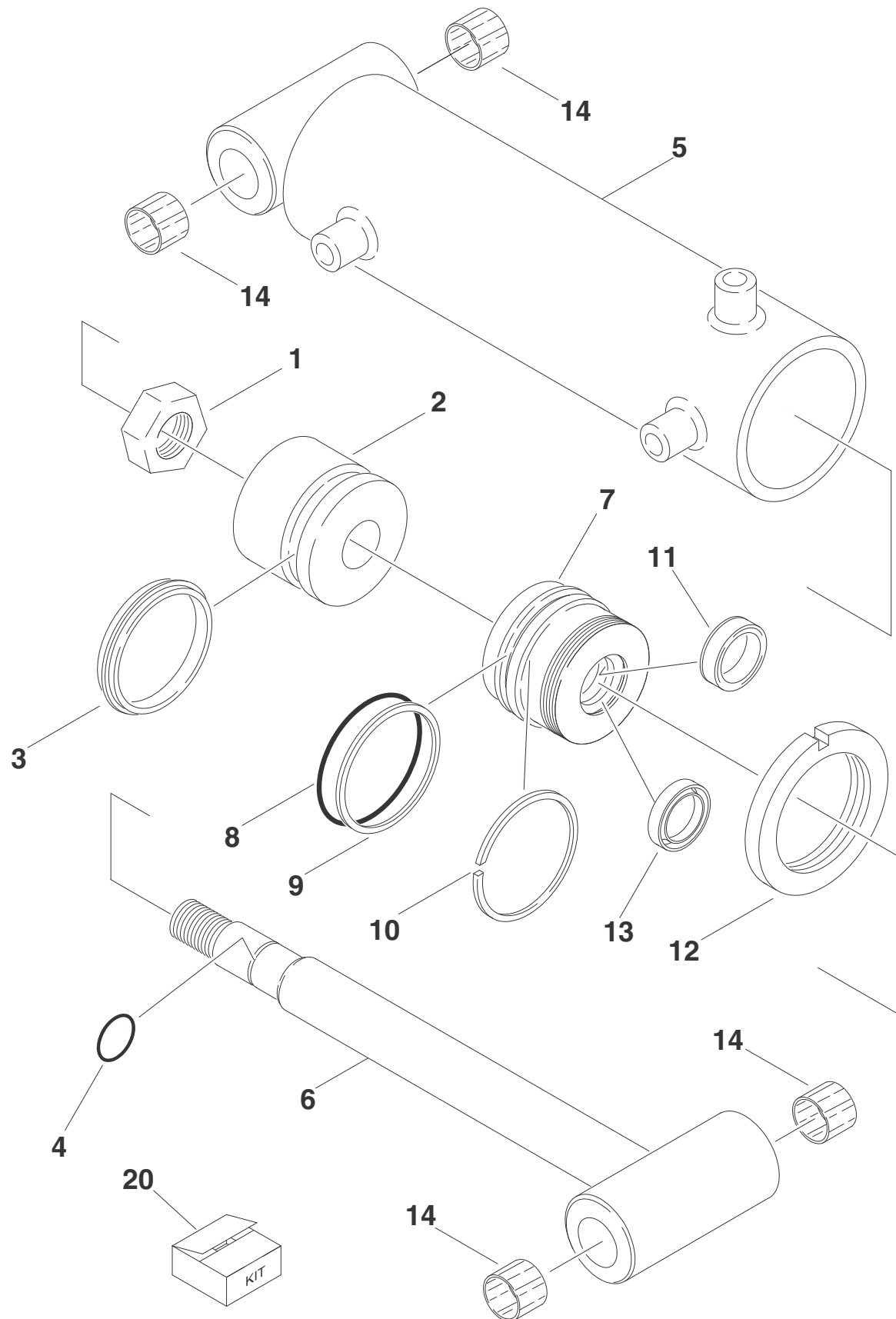
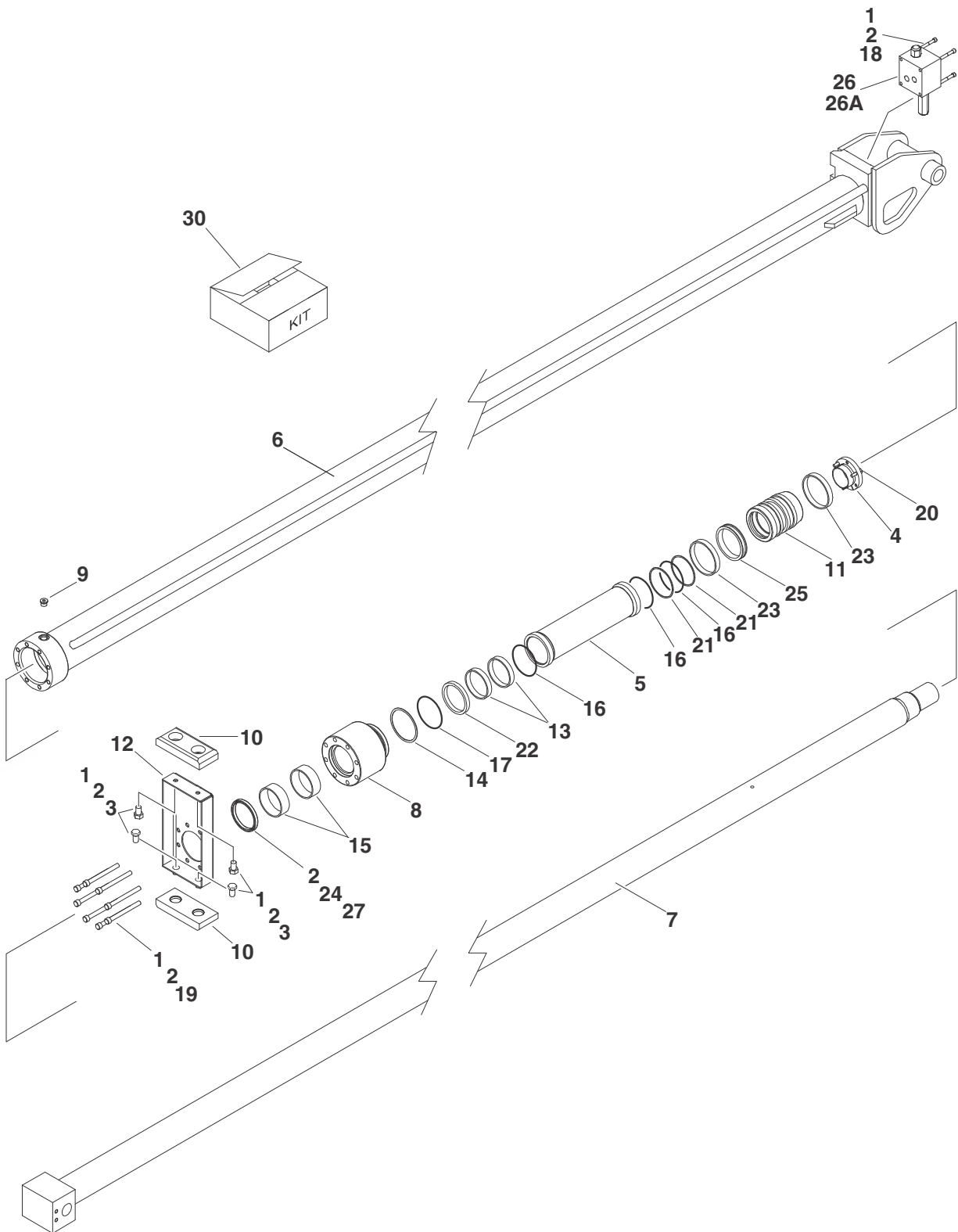


FIGURE 5-9. STEER CYLINDER ASSEMBLY

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 19	Not Used			
20	7017215	1	Seal Kit (Includes Items 3, 4, 8-11 & 13)	

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FIGURE 5-10. TELESCOPE CYLINDER ASSEMBLY - MAIN



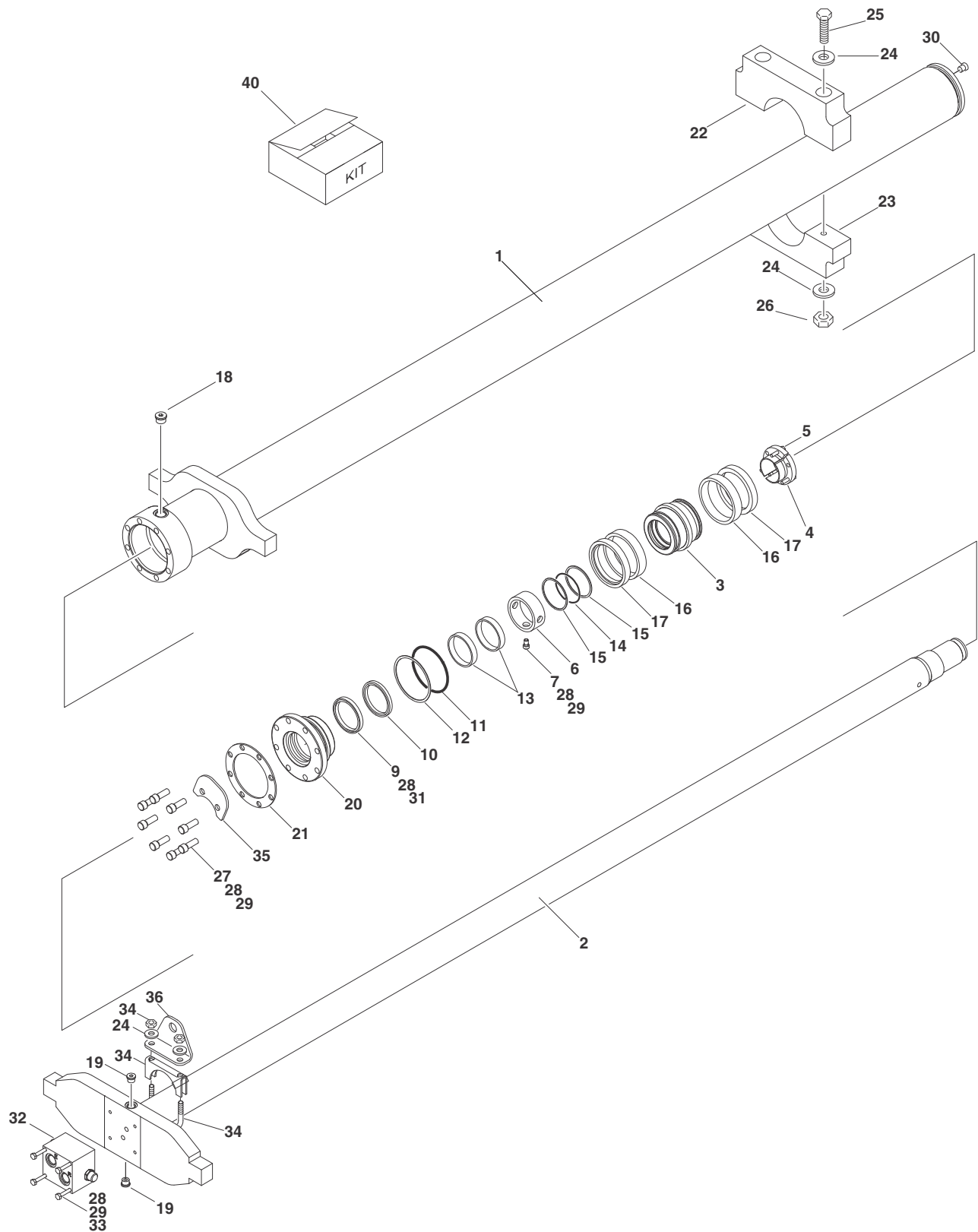
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FIGURE 5-10. TELESCOPE CYLINDER ASSEMBLY - MAIN

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	TELESCOPE CYLINDER ASSEMBLIES:	
	1683607	Ref	800A	H
	1683672	Ref	800AJ	H
1	0100011	AR	Compound, Locking	
2	0100038	AR	Primer, Locking	
3	0641806	4	Bolt 1/2in-13NC x 3/4in	
4	0961897	1	Bushing, Tapered	
5		1	Spacer, Tube Options:	
	0962219		SN 0300069000 to SN 0300071952	
	0962524		SN 0300071952 to SN 0300140000	
6		1	Barrel Options:	
	1683647		800A	
	1683673		800AJ	
7		1	Rod Options:	
	1683648		800A	
	1683675		800AJ	
8	1683663	1	Head	
9	2220885	1	Plug, O-Ring	
10	3340838	2	Pad, Wear	
11	3480234	1	Piston	
12	3570775	1	Plate	
13	Use 2901712	2	Ring, Wear	
14	Use 2901712	1	Ring, Back-up	
15	Use 2901712	2	Ring, Wear	
16	Use 2901712	3	O-Ring	
17	Use 2901712	1	O-Ring	
18	3931448	4	Capscrew 1/4in-20NC x 3in	
19	3931664	8	Capscrew 3/8in-16NC x 4in	
20	0630535	3	Bolt 1/4in-20NC x 1-1/8in	
21	Use 2901712	2	Ring, Back-up	
22	Use 2901712	1	Seal, Rod	
23	Use 2901712	2	Ring, Wear	
24	Use 2901712	1	Wiper	
25	Use 2901712	1	T-Seal	
26	4641033	1	Valve Assembly (No serviceable parts - sold as assembly only)	
26A	7024508	2	O-Ring	
27	0100063	AR	Loctite #RC 609	
28 to 29	Not Used			
30	2901712	1	Seal Kit - 1683607 & 1683672 Cylinders (Includes Items 13-17 & 21-25)	

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FIGURE 5-11. TELESCOPE CYLINDER ASSEMBLY - TOWER



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FIGURE 5-11. TELESCOPE CYLINDER ASSEMBLY - TOWER

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1683606	Ref	TELESCOPE CYLINDER ASSEMBLY	K
1	1683632	1	Barrel Weldment	
2	1683629	1	Rod Weldment	
3	3480211	1	Piston	
4	0961897	1	Bushing, Tapered	
5	0630535	3	Bolt 1/4in-20NC x 1-1/8in	
6	4567413	1	Spacer, Tube	
7	3931508	1	Bolt, Socket Head 5/16in-18NC x 1/2in	
8	Not Used			
9	Use 2901273	1	Wiper	
10	Use 2901273	1	Seal	
11	Use 2901273	1	O-Ring	
12	Use 2901273	1	Ring, Back-up	
13	Use 2901273	2	Ring, Wear	
14	Use 2901273	1	O-Ring	
15	Use 2901273	2	Ring, Back-up	
16	Use 2901273	2	Seal	
17	Use 2901273	2	Ring, Lock	
18	2220886	1	Plug, O-Ring	
19	2220885	2	Plug, O-Ring	
20	1683061	1	Head	
21	3760370	1	Ring, Washer	
22	3340834	1	Pad, Support	
23	3340833	1	Pad, Support	
24	4711600	10	Flatwasher 3/8in Narrow	
25	0641552	3	Bolt 5/16in-18NC x 6-1/2in	
26	3271605	2	Locknut 3/8in-16NC	
27	3931720	2	Capscrew 7/16in-14NC x 1-1/4in	
28	0100038	AR	Primer, Locking	
29	0100011	AR	Compound, Locking	
30	2220883	1	Plug, O-Ring	
31	0100063	AR	Loctite #RC609	
32	4641032	1	Valve Assembly (No serviceable parts - sold as assembly only)	
32A	7024397	2	O-Ring	
33	3931448	4	Capscrew 1/4in-20NC	
34	1320011	1	Clamp	
35	3572604	1	Plate, Proximity Switch Target	
36	3572605	1	Plate, Proximity Switch Mount	
37 to 39	Not Used			
40	2901273	1	Seal Kit (Includes Items 9-17)	

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FIGURE 5-11. TELESCOPE CYLINDER ASSEMBLY - TOWER (CONTINUED)

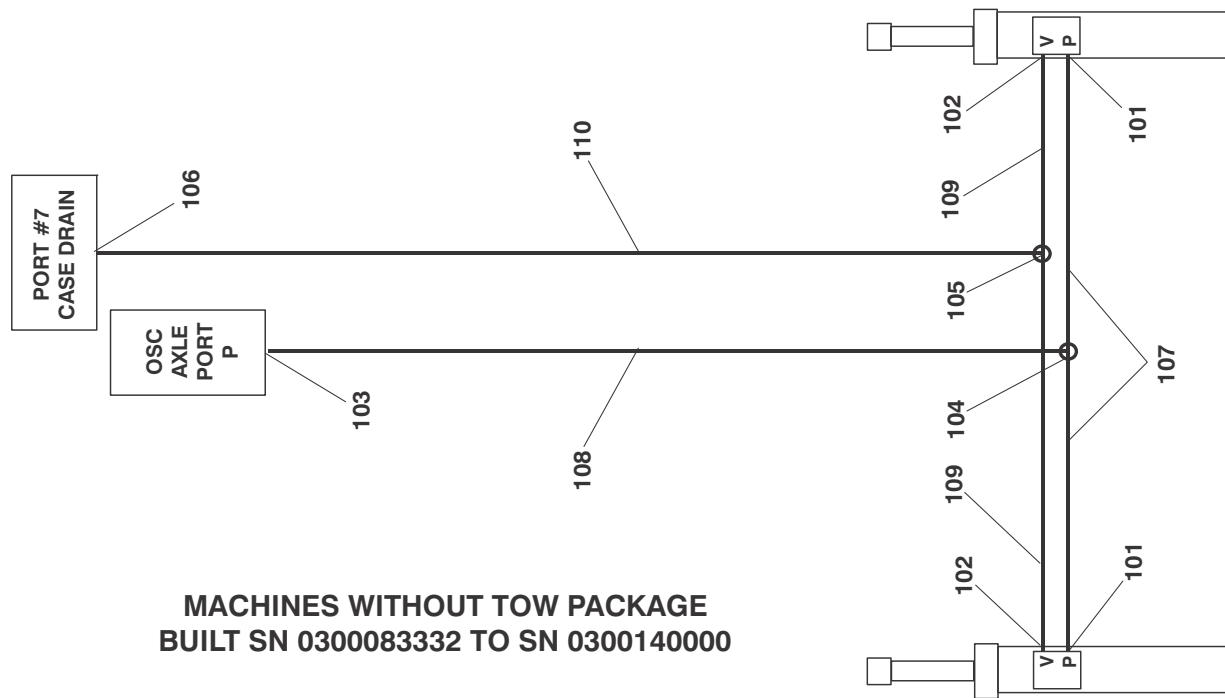
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 6

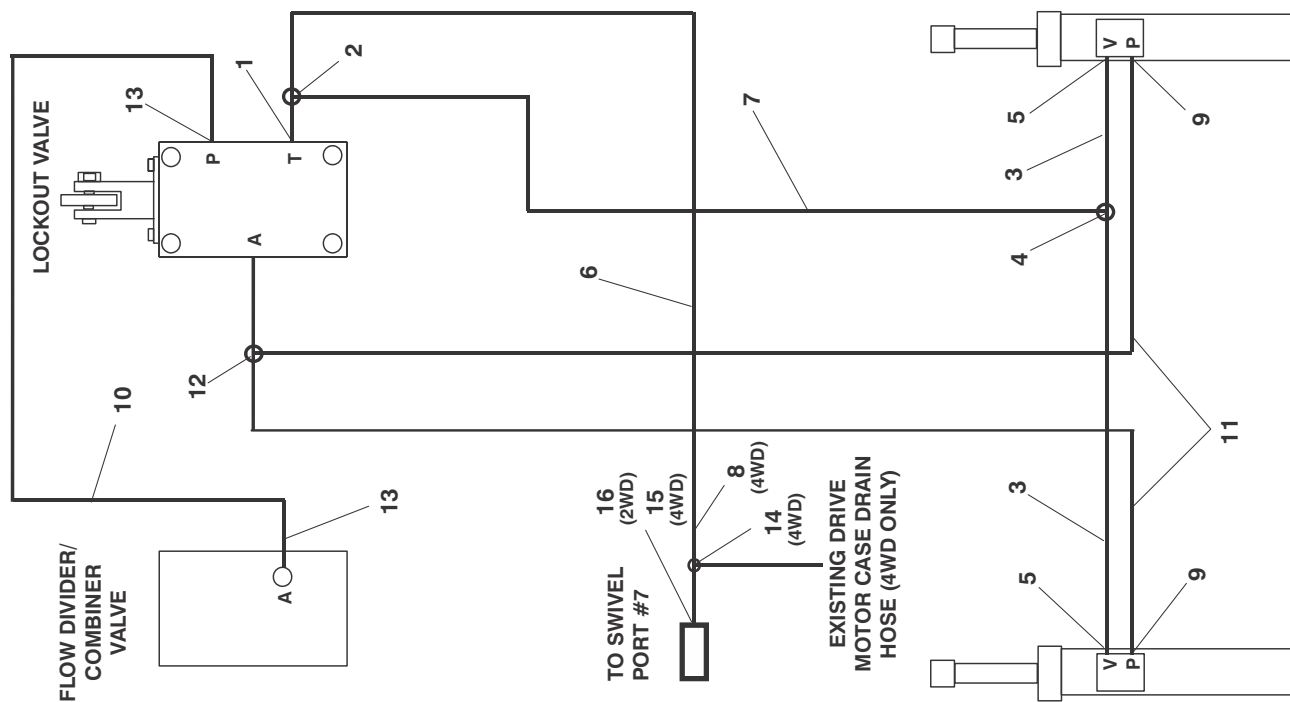
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FIGURE 6-1. AXLE LOCKOUT HYDRAULIC DIAGRAM



**ALL MACHINES BUILT SN 0300069000 TO SN 0300083332 AND
MACHINES WITH TOW PACKAGE BUILT SN 0300083332 TO SN 0300140000**



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FIGURE 6-1. AXLE LOCKOUT HYDRAULIC DIAGRAM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792367	Ref	AXLE LOCKOUT HYDRAULIC DIAGRAM	2/B
		Ref	Note: Use for All Machines Built SN 0300069000 to SN 0300083332 and Machines with Tow Package Built SN 0300083332 to SN 0300140000	
1	2220603	1	Fitting, Straight	
2	2220635	1	Fitting, Tee	
3	2750920	2	Hose	
4	2220490	1	Fitting, Tee	
5	2220371	2	Fitting, Straight	
6	2752648	1	Hose	
7	2752611	1	Hose	
8	2220619	1	Fitting, Reducer	
9	2220582	2	Fitting, Straight	
10	2750760	1	Hose	
11	2751906	2	Hose	
12	2220711	1	Fitting, Tee	
13	2220415	2	Fitting, Straight	
14	2220602	1	Fitting, Tee	
15	2220811	1	Fitting, Reducer	
16	2220577	1	Fitting, Straight	
	2792648	Ref	AXLE LOCKOUT HYDRAULIC DIAGRAM	3
		Ref	Note: Machines without Tow Package Built SN 0300083332 to SN 0300140000	
101	2110406	2	Fitting, Straight	
102	2110606	2	Fitting, Straight	
103	2110408	1	Fitting, Straight	
104	2170504	1	Fitting, Tee	
105	2170506	1	Fitting, Tee	
106	2170406	1	Fitting, Tee (SN 0300069000 to SN 0300097962)	
107	2753629	2	Hose	
108	2753630	1	Hose	
109	2753624	2	Hose	
110	2753627	1	Hose	

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FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792362	Ref	DRIVE HYDRAULIC DIAGRAM - 2WD	8/F
1	2220498	2	Fitting, Elbow	
2	2220240	2	Fitting, Plug	
3	2220415	8	Fitting, Straight	
4	2220365	3	Fitting, Elbow	
5	2220710	1	Fitting, Reducer	
6	2220465	4	Fitting, Elbow	
7	2220374	4	Fitting, Straight	
8	2220373	1	Fitting, Straight	
9	2220500	1	Fitting, Elbow	
10	2220363	1	Fitting, Tee	
11	2220466	3	Fitting, Elbow	
12	2220504	1	Fitting, Tee	
13	2220362	1	Fitting, Tee	
14	2220582	5	Fitting, Straight	
15	2220646	2	Fitting, Elbow	
16	2220999	1	Fitting, Tee	
17	2220618	1	Fitting, Reducer	
18	2220479	1	Fitting, Straight	
19	2220602	2	Fitting, Tee	
20	2220380	1	Fitting, Straight	
21	2220609	1	Fitting, Reducer	
22	2220596	1	Fitting, Elbow	
23	2220628	1	Fitting, Elbow	
24	4641076	1	Valve, Restrictor (.021)	
25	2220235	2	Fitting, Plug	
26	2221029	1	Fitting, Orifice (.031)	
27	2220605	1	Fitting, Tee	
28	2220375	2	Fitting, Straight	
29	2220451	2	Fitting, Straight	
30	2220600	2	Fitting, Straight	
31	2220516	1	Fitting, Cap	
32	2220377	2	Fitting, Straight	
33	2220366	1	Fitting, Elbow	
34	2220810	1	Fitting, Straight	
35	2220237	2	Fitting, Plug	
36	2220242	1	Fitting, Plug	
37	2220811	2	Fitting, Straight	
38	2752575	1	Hose	
39	2752514	1	Hose	
40	2753036	2	Hose	
41	2751011	1	Hose	
42	2752977	1	Hose	
43	2752518	1	Hose	
44	2752265	2	Hose	
45	2752266	2	Hose	
46	2752345	1	Hose	
47	2752363	1	Hose	

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FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
48	2751017	1	Hose	
49	2752498	1	Hose	
50	2751500	1	Hose	
51	2752365	1	Hose	
52	2752366	1	Hose	
53	2751399	1	Hose	
54	2753417	1	Hose	
55	2751397	2	Hose	
56	2752942	1	Hose	
57	Not Used			
58	2752494	3	Hose	
59	2752453	1	Hose	
60	2752514	1	Hose	
61	2752573	1	Hose	
62	2752754	1	Hose	
63	2752673	1	Hose	
64	2220501	4	Fitting, Elbow	
65	2220490	2	Fitting, Tee	
66	2220473	2	Fitting, Elbow	
67	2220371	2	Fitting, Straight	
68	2753117	2	Hose	
69	Not Used			
70	Not Used			
71	2753087	2	Hose	
72	Not Used			
73	2752648	2	Hose	
74	4100058	4	Sleeve, Nylon (12in/30.5cm Pieces)	
75	2752489	2	Hose	
76	2220711	1	Fitting, Tee	
77	2752581	1	Hose	
78	2220577	1	Fitting, Straight	
79	4100059	2	Sleeve, Nylon (8in/20cm Pieces)	

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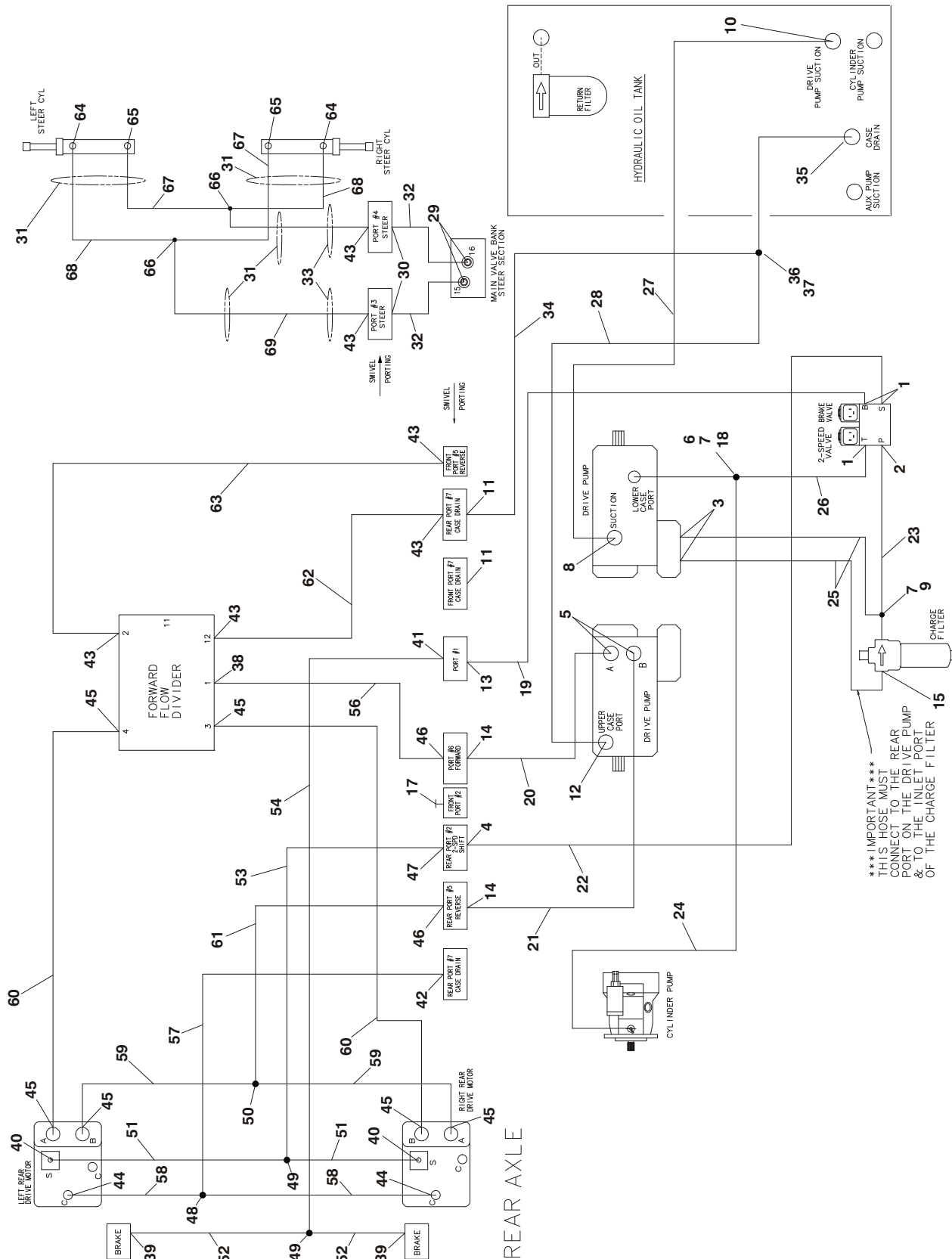
FIGURE 6-2. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

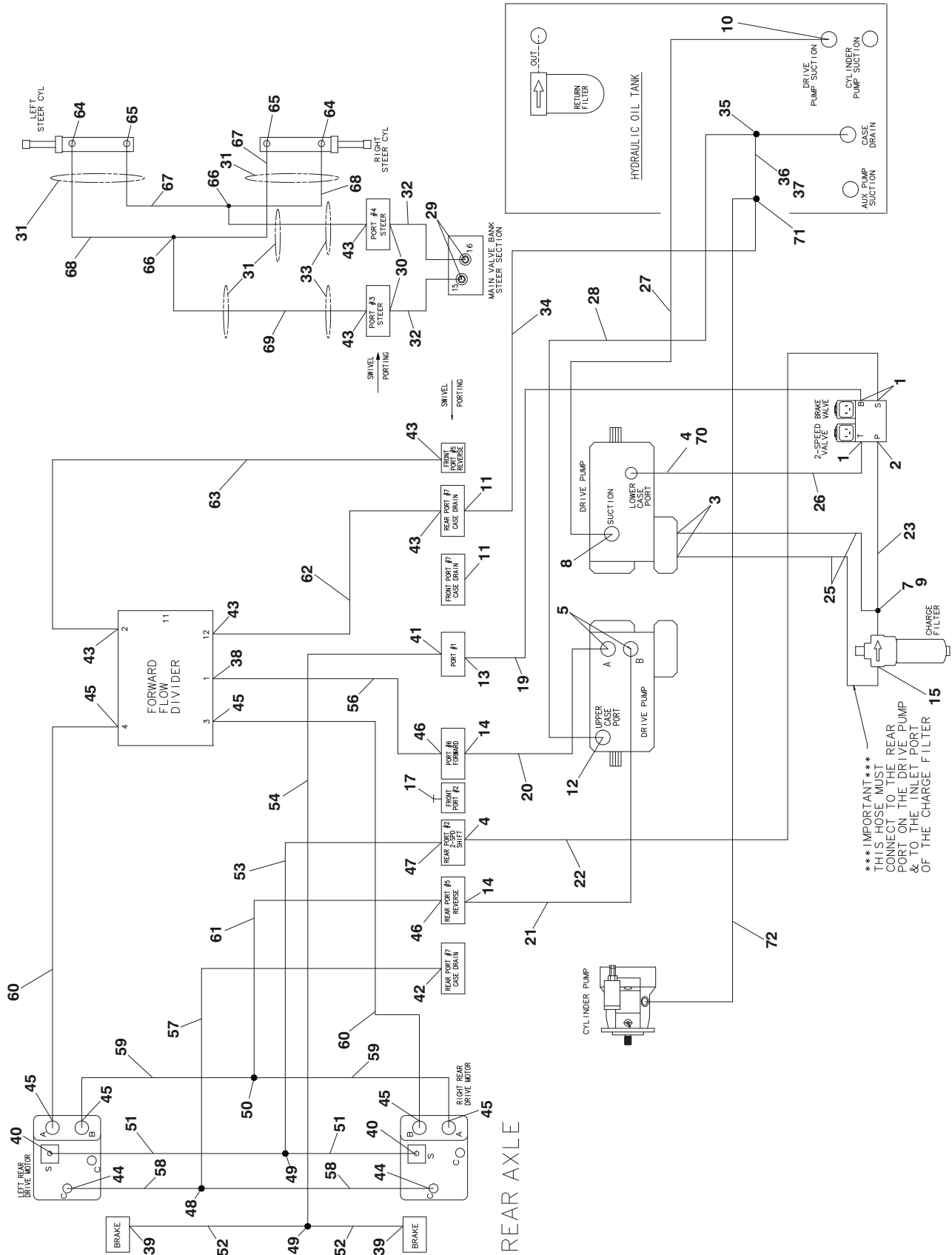
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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083332 TO SN 0300140000)

(SN 0300083332 TO SN 0300121643 W/REXROTH LOAD SENSING PUMP)



(SN 0300121643 TO SN 0300140000 W/SAUER DANFOSS LOAD SENSING PUMP)



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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE HYDRAULIC DIAGRAM - 2WD	
	2792693	Ref	SN 0300083332 to SN 0300087266	4/D
	2792712	Ref	SN 0300087266 to SN 0300140000	8/G
1	2220466	3	Fitting, Elbow	
2	2220940	1	Fitting, Elbow	
3	2220374	2	Fitting, Straight Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
4	2220582	AR	Fitting, Straight	
5	2220646	2	Fitting, Elbow Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
6	2220999	1	Fitting, Tee (SN 0300083332 to SN 0300121643)	
7	2220618	AR	Fitting, Straight Options: 1 SN 0300083332 to SN 0300085469	
		2	SN 0300085469 to SN 0300121643	
		1	SN 0300121643 to SN 0300140000	
8	2220479	1	Fitting, Straight Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
9	2220602	AR	Fitting, Tee Options: 2 SN 0300083332 to SN 0300085469	
		1	SN 0300085469 to SN 0300140000	
10	2220380	1	Fitting, Straight	
11	2220375	AR	Fitting, Straight Options: 2 SN 0300083332 to SN 0300085469	
		1	SN 0300085469 to SN 0300140000	
12	2220451	1	Fitting, Straight Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
13	2220468	1	Fitting, Straight	
14	2220377	2	Fitting, Straight	
15	2220366	1	Fitting, Elbow Options: SN 0300083332 to SN 0300085469	
	2220596		SN 0300085469 to SN 0300140000	
16	2220810	1	Fitting, Straight (SN 0300083332 to SN 0300085469 Only)	
17	2220237	2	Fitting, Plug	
18	2220811	AR	Fitting, Straight Options: 2 SN 0300083332 to SN 0300085469	
		1	SN 0300085469 to SN 0300103805	
19	2752997	1	Hose	
20	2752365	1	Hose Options: SN 0300083332 to SN 0300137326	
	1001110032		SN 0300137326 to SN 0300140000	

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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
21	2752366 1001110033	1	Hose Options: SN 0300083332 to SN 0300137326 SN 0300137326 to SN 0300140000	
22	2751399	1	Hose	
23	2753417 2752434	1	Hose Options: SN 0300083332 to SN 0300085469 Only SN 0300088934 to SN 0300140000	
24	2752942	1	Hose (SN 0300069000 to SN 0300121643)	
25	2752494	2	Hose	
26	2752453	1	Hose	
27	2752754	1	Hose	
28	2752673	1	Hose	
29	2220501	2	Fitting, Elbow	
30	2220473	2	Fitting, Elbow	
31	4100058	4	Sleeve, Nylon (12 in) (SN 0300083332 to SN 0300099884)	
32	2752489	2	Hose	
33	4100059	2	Sleeve, Nylon (8 in) (SN 0300083332 to SN 0300099884)	
34	2751500	1	Hose	
35	2220738	1	Fitting, Straight	
36	2220386	1	Fitting, Elbow	
37	2220622	1	Fitting, Reducer	
38	2111616 2151616	1	Fitting Options: SN 0300083332 to SN 0300085469 (Straight) SN 0300085469 to SN 0300140000 (Elbow)	
39	2110404	2	Fitting, Straight	
40	2110406	2	Fitting, Straight	
41	2110408	1	Fitting, Straight	
42	2130808	1	Fitting, Elbow	
43	2110606	6	Fitting, Straight	
44	2110808	2	Fitting, Straight	
45	2111212	6	Fitting, Straight	
46	2111616	2	Fitting, Straight	
47	2150406	1	Fitting, Elbow	
48	2170508	1	Fitting, Tee	
49	2170504	2	Fitting, Tee	
50	2170516	1	Fitting, Tee	
51	2754401	2	Hose	
52	2753725	2	Hose	
53	2753550	1	Hose	
54	2753622	1	Hose	
55	Not Used			
56	2753635	1	Hose	
57	2753685	1	Hose	
58	2754240	2	Hose	
59	2754238	2	Hose	
60	2753688	2	Hose	
61	2754402	1	Hose	
62	2754242	1	Hose	
63	2754243	1	Hose	

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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
64	2130606	5	Fitting, Elbow	
65	2150606	2	Fitting, Elbow	
66	2170506	2	Fitting, Tee	
67	2753625	2	Hose	
68	2753626	2	Hose	
69	2753627	2	Hose	
70	2220221	1	Fitting, Reducer (SN 0300121643 to SN 0300138514)	
71	2220385	1	Fitting, Tee (SN 0300121643 to SN 0300140000)	
72	2752934	1	Hose (SN 0300121643 to SN 0300140000)	

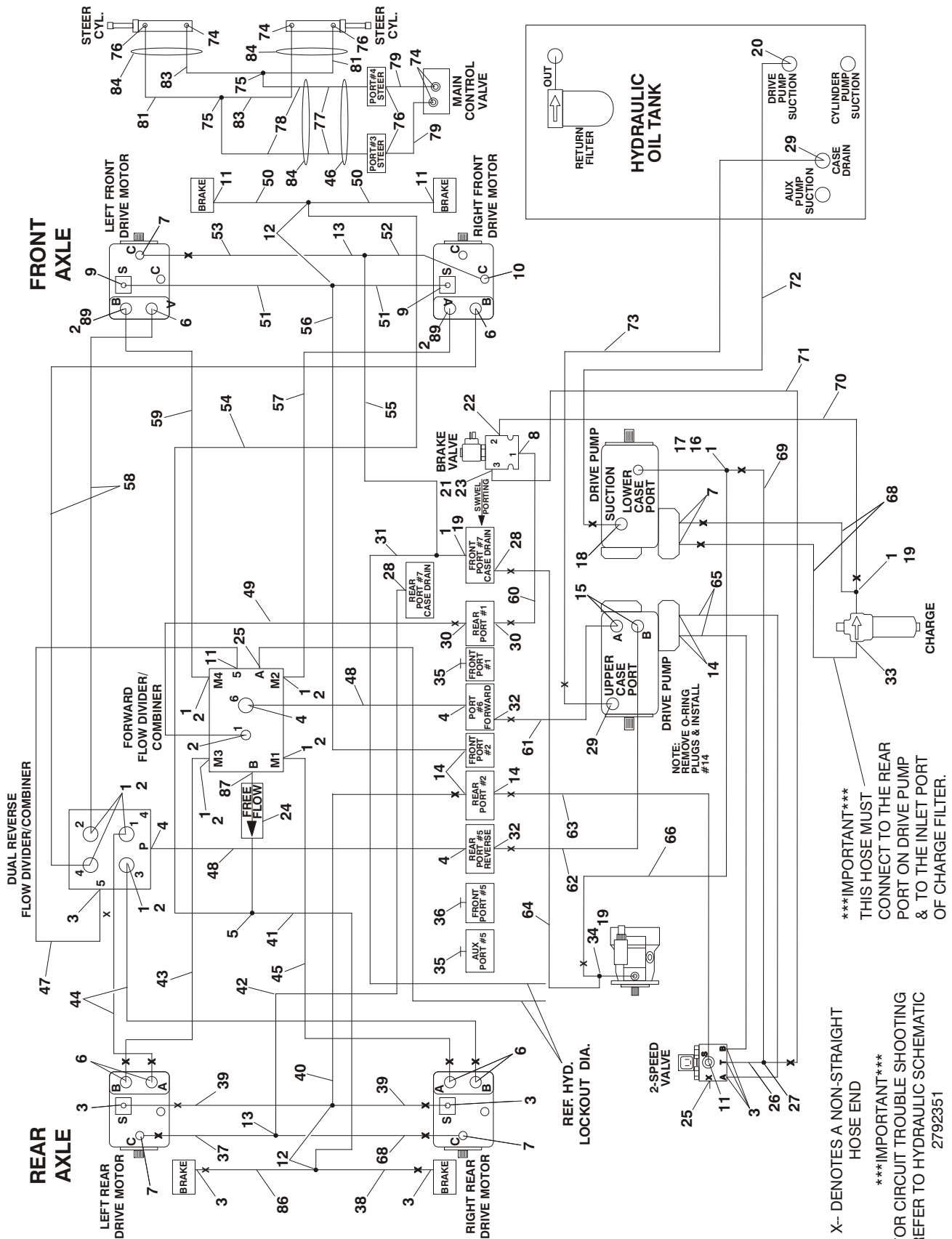
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FIGURE 6-3. DRIVE HYDRAULIC DIAGRAM - 2WD (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300069000 TO SN 0300083332)



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FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	2792363	Ref	DRIVE HYDRAULIC DIAGRAM - 4WD	12/J
1	2220811	11	Fitting, Reducer	
2	2220500	11	Fitting, Elbow	
3	2220415	8	Fitting, Straight	
4	2220365	4	Fitting, Elbow	
5	2220711	1	Fitting, Tee	
6	2220800	6	Fitting, Straight	
7	2220374	5	Fitting, Straight	
8	2220373	1	Fitting, Straight	
9	2220502	2	Fitting, Elbow	
10	2220499	1	Fitting, Elbow	
11	2220466	4	Fitting, Elbow	
12	2220504	4	Fitting, Tee	
13	2220362	2	Fitting, Tee	
14	2220582	5	Fitting, Straight	
15	2220646	2	Fitting, Elbow	
16	2220999	1	Fitting, Tee	
17	2220618	1	Fitting, Reducer	
18	2220479	1	Fitting, Straight	
19	2220602	3	Fitting, Tee	
20	2220380	1	Fitting, Straight	
21	2220609	1	Fitting, Reducer	
22	2220596	1	Fitting, Elbow	
23	2220628	1	Fitting, Elbow	
24	4640778	1	Valve, Restrictor (.030)	
25	2220235	2	Fitting, Plug	
26	2221029	1	Fitting, Orifice (.031)	
27	2220605	1	Fitting, Tee	
28	2220375	2	Fitting, Straight	
29	2220451	2	Fitting, Straight	
30	2220600	2	Fitting, Straight	
31	2220517	1	Fitting, Cap	
32	2220377	2	Fitting, Straight	
33	2220366	1	Fitting, Elbow	
34	2220810	1	Fitting, Reducer	
35	2220237	2	Fitting, Plug	
36	2220242	1	Fitting, Plug	
37	2752514	1	Hose	
38	2752575	1	Hose	
39	2753036	2	Hose	
40	2751011	1	Hose	
41	2752977	1	Hose	
42	2752518	1	Hose	
43	2753155	1	Hose	
44	2753161	2	Hose	
45	2753162	1	Hose	
46	4100059	2	Sleeve, Nylon (8in/20cm Pieces)	
47	2751017	1	Hose	

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FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
48	2752363	2	Hose	
49	2752498	1	Hose	
50	2752592	2	Hose	
51	2753035	2	Hose	
52	2752516	1	Hose	
53	2752514	1	Hose	
54	2752591	1	Hose	
55	2752949	1	Hose	
56	2751906	1	Hose	
57	2753157	1	Hose	
58	2753158	2	Hose	
59	2753159	1	Hose	
60	2751500	1	Hose	
61	2752365	1	Hose	
62	2752366	1	Hose	
63	2751399	1	Hose	
64	2753417	1	Hose	
65	2751397	2	Hose	
66	2752942	1	Hose	
67	Not Used			
68	2752494	3	Hose	
69	2752453	1	Hose	
70	2752514	1	Hose	
71	2752573	1	Hose	
72	2752754	1	Hose	
73	2752673	1	Hose	
74	2220501	4	Fitting, Elbow	
75	2220490	2	Fitting, Tee	
76	2220473	4	Fitting, Elbow	
77	2220371	2	Fitting, Straight	
78	2753117	2	Hose	
79	2752489	2	Hose	
80	Not Used			
81	2753087	2	Hose	
82	Not Used			
83	2752648	2	Hose	
84	4100058	4	Sleeve, Nylon (12in/30.5cm Pieces)	
85	Not Used			
86	2752581	1	Hose	
87	2221030	1	Fitting, Nipple	
88	Not Used			
89	2220833	2	Fitting, Reducer	
90	4100051	1	Sleeve, Nylon (SN 0300069000 to SN 0300071678)	

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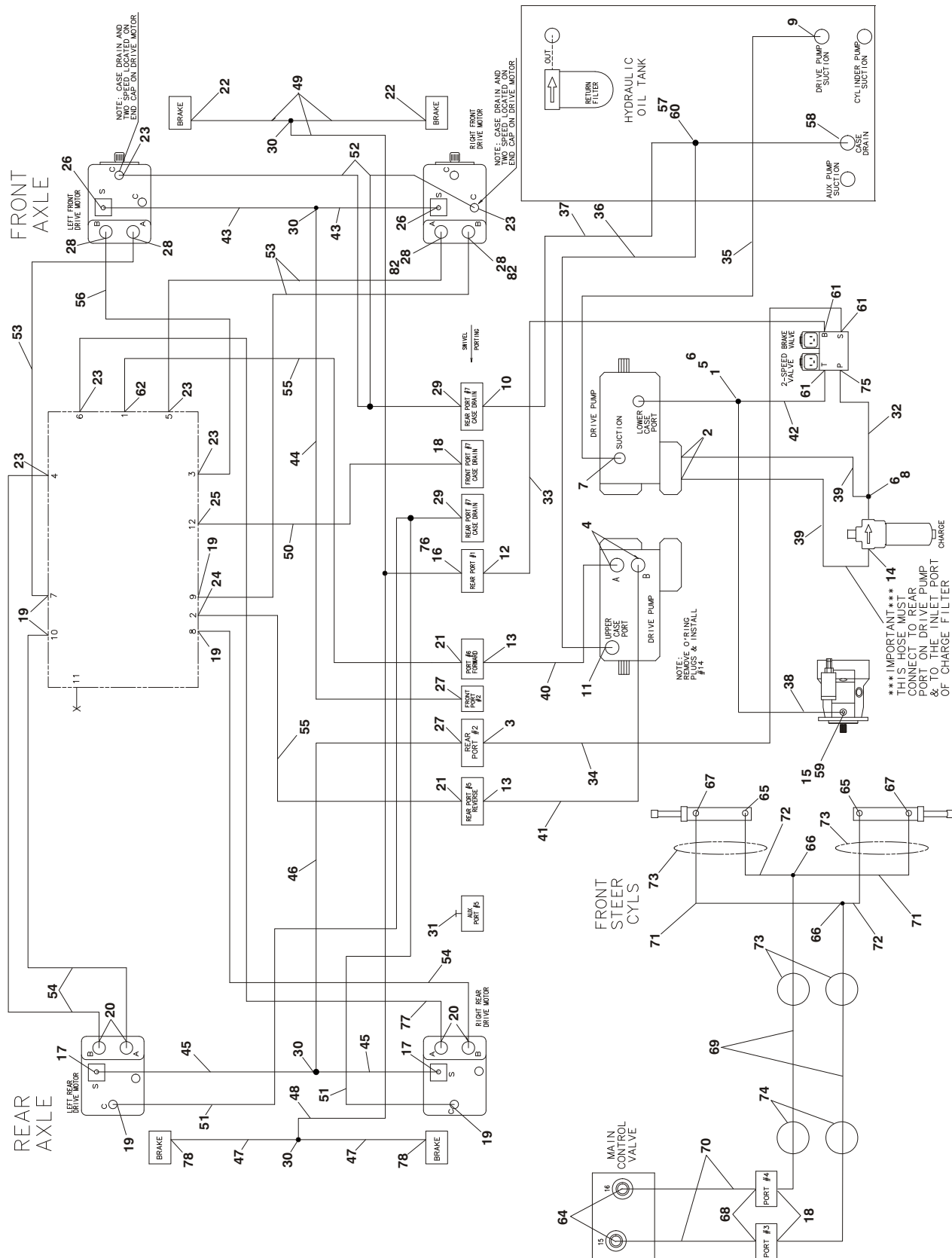
FIGURE 6-4. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300069000 TO SN 0300083332)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

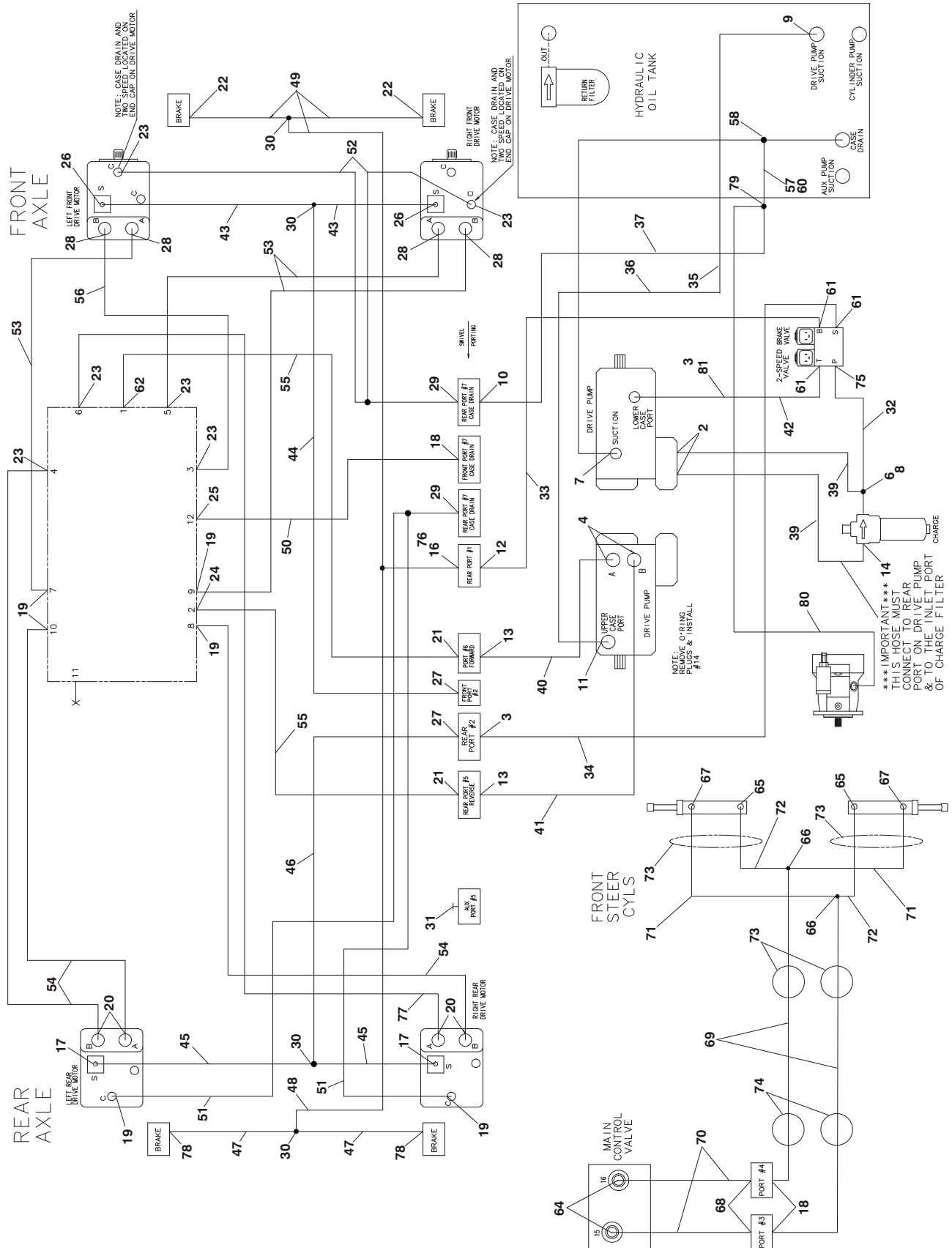
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FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300083332 TO SN 0300140000)

(SN 0300083332 TO SN 0300121643 W/REXROTH LOAD SENSING PUMP)



(SN 0300121643 TO SN 0300140000 W/SAUER DANFOSS LOAD SENSING PUMP)



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FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DRIVE HYDRAULIC DIAGRAM - 4WD	
	2792637	Ref	Without Arctic Package (SN 0300083332 to SN 0300087266)	4/D
	2792711	Ref	Without Arctic Package (SN 0300087266 to SN 0300140000)	8/F
	2792745	Ref	With Arctic Package	7/F
1	2220811	1	Fitting, Straight (SN 0300083332 to SN 0300103805)	
2	2220374	2	Fitting, Straight Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
3	2220582	AR	Fitting, Straight Options:	
		1	SN 0300083332 to SN 0300121643	
		2	SN 0300121643 to SN 0300138514	
		1	SN 0300138514 to SN 0300140000	
4	2220646	2	Fitting, Elbow Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
5	2220999	1	Fitting, Tee (SN 0300083332 to SN 0300121643)	
6	2220618	AR	Fitting, Straight Options:	
		2	SN 0300083332 to SN 0300121643	
		1	SN 0300121643 to SN 0300140000	
7	2220479	1	Fitting, Straight Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
8	2220602	1	Fitting, Tee	
9	2220380	1	Fitting, Straight	
10	2220375	1	Fitting, Straight	
11	2220451	1	Fitting, Straight Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
12	2220468	1	Fitting, Straight	
13	2220377	2	Fitting, Straight	
14	2220366	1	Fitting, Elbow Options: SN 0300083332 to SN 0300085469	
	2220596		SN 0300085469 to SN 0300140000	
15	2220810	1	Fitting, Straight Options: SN 0300083332 to SN 0300103805	
	See Note		SN 0300103805 to SN 0300140000 (Note: See TURNABLE SECTION for Breakdown)	
16	2170350	1	Fitting, Tee	
17	2110406	2	Fitting, Straight	
18	2110606	3	Fitting, Straight	
19	2110808	6	Fitting, Straight	
20	2110812	4	Fitting, Straight	
21	2111616	2	Fitting, Straight	
22	2130404	4	Fitting, Elbow	
23	2130808	6	Fitting, Elbow	

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FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
24	2131616	1	Fitting, Elbow	
25	2130604	1	Fitting, Elbow	
26	2130406	2	Fitting, Elbow	
27	2150406	2	Fitting, Elbow	
28		4	Fitting, Elbow Options:	
	2150812		SN 0300083332 to SN 0300138514	
	2150808		SN 0300138514 to SN 0300140000	
29	2170408	2	Fitting, Tee	
30	2170504	4	Fitting, Tee	
31	2220237	1	Fitting, Plug	
32	2752434	1	Hose	
33	2752997	1	Hose	
34	2751399	1	Hose	
35	2752754	1	Hose	
36	2752673	1	Hose	
37	2751500	1	Hose	
38	2752942	1	Hose (SN 0300083332 to SN 0300121643)	
39	2752494	2	Hose	
40		1	Hose Options:	
	2752365		SN 0300083332 to SN 0300137326	
	1001110032		SN 0300137326 to SN 0300140000	
41		1	Hose Options:	
	2752366		SN 0300083332 to SN 0300137326	
	1001110033		SN 0300137326 to SN 0300140000	
42	2752453	1	Hose	
43		2	Hose Options:	
	2753549		Without Arctic Package	
	2754718		With Arctic Package	
44	2753540	1	Hose	
45		2	Hose Options:	
	2753537		SN 0300083332 to SN 0300099884	
	2754401		SN 0300099884 to SN 0300140000	
46	2753550	1	Hose	
47	2754337	2	Hose	
48	2754044	1	Hose	
49		3	Hose Options:	
	2753622		Without Arctic Package	
	2754719		With Arctic Package	
50	2753626	1	Hose	
51	2753686	2	Hose	
52		2	Hose Options:	
	2753628		Without Arctic Package	
	2754720		With Arctic Package	
53		3	Hose Options:	
	2753970		Without Arctic Package	
	2754743		With Arctic Package	
54	2753971	3	Hose	
55	2753634	2	Hose	

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FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
56	2753633	1	Hose Options: Without Arctic Package (SN 0300083332 to SN 0300121643)	
	2754040		Without Arctic Package (SN 0300121643 to SN 0300140000)	
	2754744		With Arctic Package	
57	2220386	1	Fitting, Elbow	
58	2220738	1	Fitting, Straight	
59	2220373	1	Fitting, Straight (SN 0300083332 to SN 0300103805) (Ref to Section 2 Engine and Pump Assembly for Fitting Call Out)	
60	2220622	1	Fitting, Reducer	
61	2220466	3	Fitting, Elbow	
62	2151616	1	Fitting, Elbow	
63	Not Used			
64	2220501	2	Fitting, Elbow	
65	2150606	2	Fitting, Elbow	
66	2170506	2	Fitting, Tee	
67	2130606	4	Fitting, Elbow	
68	2220473	2	Fitting, Elbow	
69	2753627	2	Hose	
70	2752489	2	Hose	
71	2753626	2	Hose	
72	2753625	2	Hose	
73	4100058	4	Sleeve, Nylon (12 in) (SN 0300083332 to SN 0300099884)	
74	4100059	2	Sleeve, Nylon (8 in) (SN 0300083332 to SN 0300099884)	
75	2220940	1	Fitting, Elbow	
76	2220591	1	Fitting, Reducer	
77	2754338	1	Hose	
78	2110404	1	Fitting, Straight	
79	2220385	1	Fitting, Tee (SN 0300121643 to SN 0300140000)	
80	2752934	1	Hose (SN 0300121643 to SN 0300140000)	
81	2220221	1	Fitting, Reducer (SN 0300121643 to SN 0300138514)	
82	2220811	1	Fitting, Reducer (SN 0300138514 to SN 0300140000)	

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FIGURE 6-5. DRIVE HYDRAULIC DIAGRAM - 4WD/2WS (SN 0300083332 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 6-6. STANDARD HYDRAULIC DIAGRAM (WITH FENNER & HALDEX BRAND AUXILIARY PUMP)

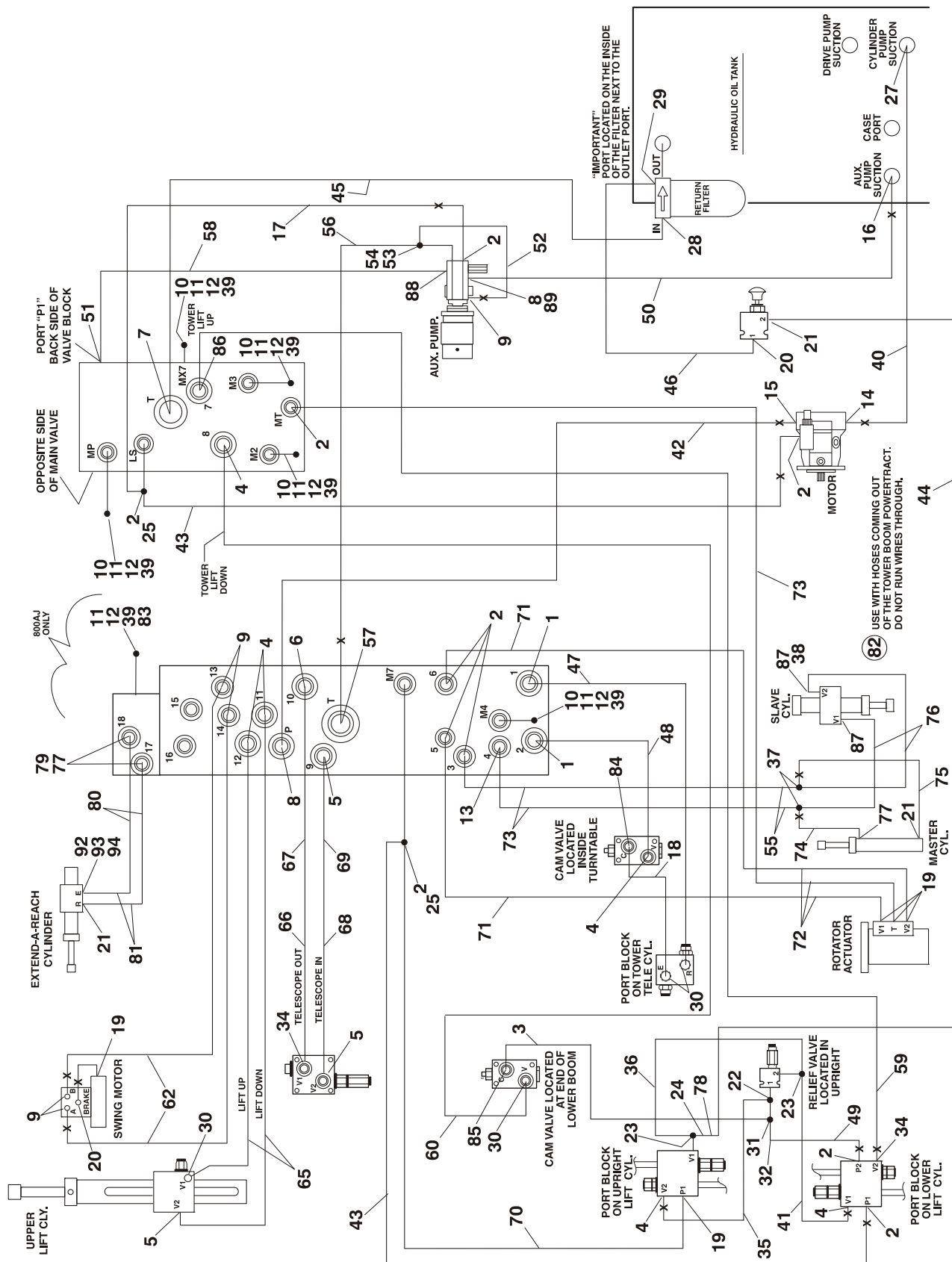


FIGURE 6-6. STANDARD HYDRAULIC DIAGRAM (WITH FENNER & HALDEX BRAND AUXILIARY PUMP)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
			STANDARD HYDRAULIC DIAGRAM	
	2792365	Ref	800A	13/K
	2792366	Ref	800AJ	16/O
1	2220381	2	Fitting, Straight	
2	2220415	AR	Fitting, Straight	
3	2753199	1	Hose	
4	2220373	6	Fitting, Straight	
5	2220500	3	Fitting, Elbow	
6	2220947	1	Fitting, Straight	
7	2220376	1	Fitting, Straight	
8	2220593	2	Fitting, Straight	
9	2220371	AR	Fitting, Straight	
10	2220873	4	Fitting, Straight	
11	2220428	AR	Fitting, Quick Disconnect	
12	2220429	AR	Fitting, Dust Cap	
13	2220502	1	Fitting, Elbow	
14	2220737	1	Split Flange Kit #24	
15	2220478	1	Split Flange Kit #16	
16	2220451	1	Fitting, Straight	
17	2752453	1	Hose	
18	2753200	1	Hose	
19	2220466	AR	Fitting, Elbow	
20	2220582	AR	Fitting, Straight	
21	2220473	AR	Fitting, Elbow	
22	2220602	1	Fitting, Tee	
23	2220999	2	Fitting, Tee	
24	2220619	1	Fitting, Reducer	
25	2220605	2	Fitting, Tee	
26	Not Used			
27	2220765	1	Fitting, Straight	
28	2220379	1	Fitting, Straight	
29	2220574	1	Fitting, Straight	
30	2220596	AR	Fitting, Elbow	
31	2220385	1	Fitting, Tee	
32	2220618	1	Fitting, Reducer	
33	Not Used			
34	2220852	2	Fitting, Straight	
35	2753197	1	Hose	
36	2753196	1	Hose	
37	2220490	2	Fitting, Tee	
38	4567139	1	Tube	
39	0100020	AR	Sealant, Pipe	
40	2753216	1	Hose	
41	2753195	1	Hose	
42	2753231	1	Hose	
43	2753010	2	Hose	
44	2752468	1	Hose	

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FIGURE 6-6. STANDARD HYDRAULIC DIAGRAM (WITH FENNER & HALDEX BRAND AUXILIARY PUMP) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	2752721	1	Hose	
46	2752438	1	Hose	
47	2753192	1	Hose	
48	2752494	1	Hose	
49	2753008	1	Hose	
50		1	Hose Options:	
	2752674		SN 0300069000 to SN 0300109067	
	2752671		SN 0300109067 to SN 0300140000	
51	4640780	1	Fitting, Check Valve	
52	2753118	1	Hose	
53	2220775	1	Fitting, Elbow	
54	2220635	1	Fitting, Tee	
55	2220609	2	Fitting, Reducer	
56	2752463	1	Hose	
57	2220577	1	Fitting, Straight	
58		1	Hose Options:	
	2753122		SN 0300069000 to SN 0300109067	
	2753118		SN 0300109067 to SN 0300140000	
59	2752768	1	Hose	
60	2752930	1	Hose	
61	Not Used			
62	2752462	2	Hose	
63	Not Used			
64	Not Used			
65	2753189	2	Hose	
66	2752767	1	Hose	
67	2752766	1	Hose	
68	2753190	1	Hose	
69	2753191	1	Hose	
70	2752978	1	Hose	
71	2752585	2	Hose	
72		3	Hose Options:	
	2753009		800A	
	2753006		800AJ	
73	2753007	3	Hose	
74	2753124	1	Hose	
75	2753125	1	Hose	
76		2	Hose Options:	
	2753129		800A	
	2753126		800AJ	
77	2220501	AR	Fitting, Elbow	
78	4567757	1	Tube	
79		2	Fitting, Reducer Options:	
	Not Required		800A	
	2220591		800AJ	
80		2	Hose Options:	
	Not Required		800A	
	2753123		800AJ	

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FIGURE 6-6. STANDARD HYDRAULIC DIAGRAM (WITH FENNER & HALDEX BRAND AUXILIARY PUMP) (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
81	Not Required	2	Hose Options:	
	2753128		800A	
			800AJ	
82	4100062	4	Protection, Nylon Hose (24in/61cm per piece)	
83	2220873	1	Fitting (800AJ Only)	
84	2220947	1	Fitting, Straight	
85	2221036	1	Fitting, Elbow	
86	2220950	1	Fitting, Elbow	
87		2	Fitting, Straight Options:	
	2220371		SN 0300069000 to SN 0300109067	
	2220603		SN 0300109067 to SN 0300140000	
88		1	Fitting Options:	
	2220371		Fitting, Straight (SN 0300069000 to SN 0300109067)	
	2220501		Fitting, Elbow (SN 0300109067 to SN 0300140000)	
89	2220655	1	Fitting, Elbow (SN 0300109067 to SN 0300140000)	
90 to 91	Not Used			
92	2180724	1	Fitting, Modified	
93	2180380	1	Fitting, Orifice	
94	0100019	AR	Compound, Locking	
		1	Hose Kit Options:	
			800A	
	2902456		Hose Kit (Includes Items 72 & 76) (SN 0300088387 to SN 0300140000)	
	2902457		Hose Kit (Includes Items 3, 35, 36, 41, 44, 49, 60, 65, 67, 69, 70, 71 & 73) (SN 0300088387 to SN 0300140000)	
			800AJ	
	2902459		Hose Kit (Includes Items 72, 76 & 81) (SN 0300088387 to SN 0300140000)	
	2902457		Hose Kit (Includes Items 3, 35, 36, 41, 44, 49, 60, 65, 67, 69, 70, 71 & 73) (SN 0300088387 to SN 0300140000)	

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FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM (WITH BUCHER BRAND AUXILIARY PUMP)

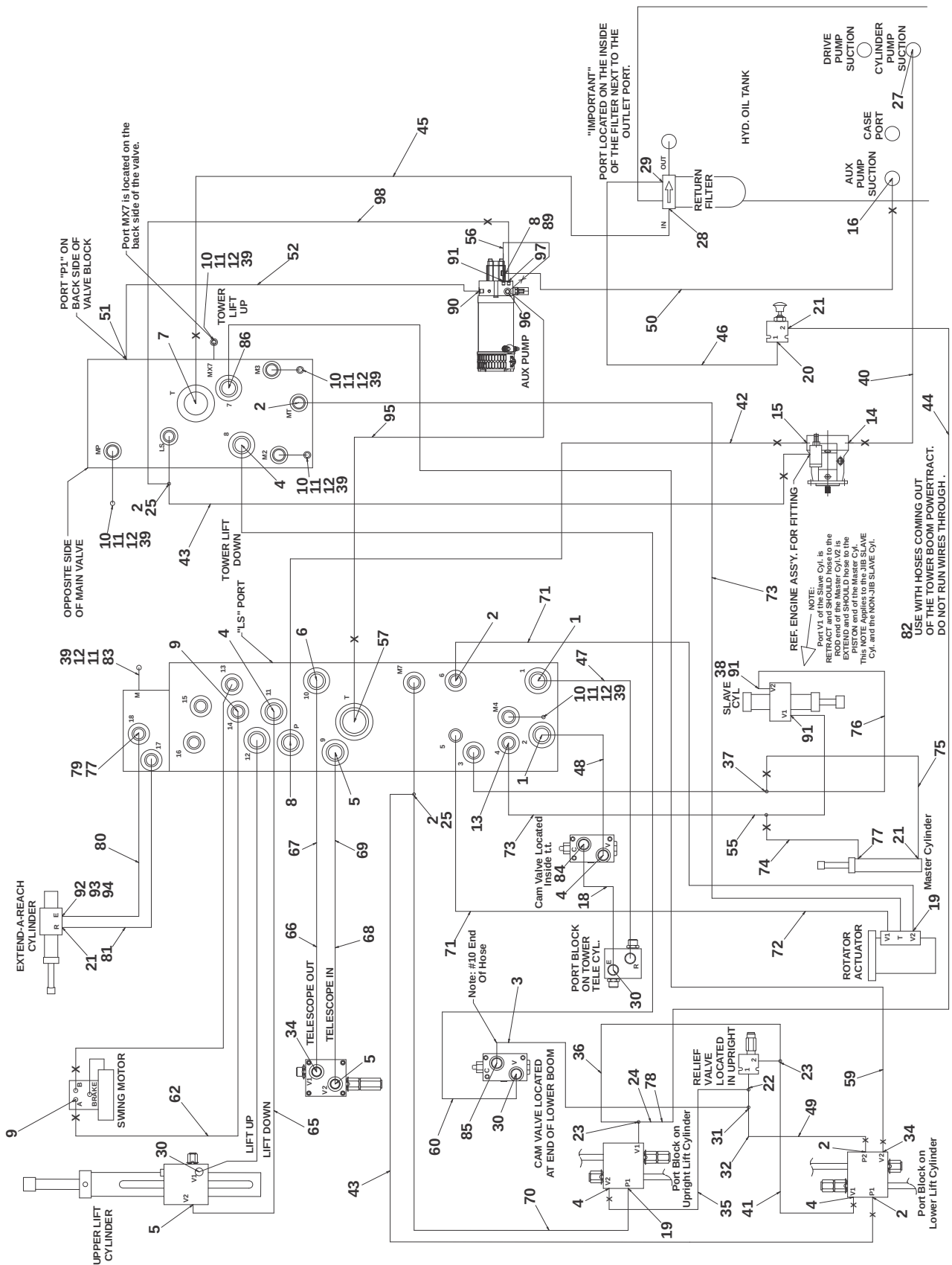


FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM (WITH BUCHER BRAND AUXILIARY PUMP)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STANDARD HYDRAULIC DIAGRAM	
	1001143187	Ref	800A	A
	1001143188	Ref	800AJ	A
1	2220381	2	Fitting, Straight	
2	2220415	8	Fitting, Straight	
3	2753199	1	Hose	
4	2220373	6	Fitting, Straight	
5	2220500	3	Fitting, Elbow	
6	2220947	1	Fitting, Straight	
7	2220376	1	Fitting, Straight	
8	2220593	2	Fitting, Straight	
9	2220371	4	Fitting, Straight	
10	2220873	5	Fitting, Straight	
11	2220428	AR	Fitting, Quick Disconnect	
12	2220429	AR	Fitting, Dust Cap	
13	2220502	1	Fitting, Elbow	
14	2220737	1	Split Flange Kit #24	
15	2220478	1	Split Flange Kit #16	
16	2220451	1	Fitting, Straight	
17	Not Used			
18	2753200	1	Hose	
19	2220466	4	Fitting, Elbow	
20	2220582	1	Fitting, Straight	
21	2220473	AR	Fitting, Elbow	
22	2220602	1	Fitting, Tee	
23	2220999	2	Fitting, Tee	
24	2220619	1	Fitting, Reducer	
25	2220605	2	Fitting, Tee	
26	Not Used			
27	2220765	1	Fitting, Straight	
28	2220379	1	Fitting, Straight	
29	2220574	1	Fitting, Straight	
30	2220596	4	Fitting, Elbow	
31	2220385	1	Fitting, Tee	
32	2220618	1	Fitting, Reducer	
33	Not Used			
34	2220852	2	Fitting, Straight	
35	2753197	1	Hose	
36	2753196	1	Hose	
37	2220490	2	Fitting, Tee	
38	4567139	1	Tube	
39	0100020	AR	Sealant, Pipe	
40	2753216	1	Hose	
41	2753195	1	Hose	
42	2753231	1	Hose	
43	2753010	2	Hose	
44	2752468	1	Hose	

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**FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM (WITH BUCHER BRAND AUXILIARY PUMP)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
45	2752721	1	Hose	
46	2752438	1	Hose	
47	2753192	1	Hose	
48	2752494	1	Hose	
49	2753008	1	Hose	
50	2752671	1	Hose	
51	4640780	1	Fitting, Check Valve	
52	2753118	1	Hose	
53 to 54	Not Used			
55	2220609	2	Fitting, Reducer	
56	2752463	1	Hose	
57	2220577	1	Fitting, Straight	
58	Not Used			
59	2752768	1	Hose	
60	2752930	1	Hose	
61	Not Used			
62	2752462	2	Hose	
63	Not Used			
64	Not Used			
65	2753189	2	Hose	
66	2752767	1	Hose	
67	2752766	1	Hose	
68	2753190	1	Hose	
69	2753191	1	Hose	
70	2752978	1	Hose	
71	2752585	2	Hose	
72		3	Hose Options:	
	2753009		800A	
	2753006		800AJ	
73	2753007	3	Hose	
74	2753124	1	Hose	
75	2753125	1	Hose	
76		2	Hose Options:	
	2753129		800A	
	2753126		800AJ	
77	2220501	1	Fitting, Elbow	
78	4567757	1	Tube	
79		2	Fitting, Reducer Options:	
	Not Required		800A	
	2220591		800AJ	
80		2	Hose Options:	
	Not Required		800A	
	2753123		800AJ	
81		2	Hose Options:	
	Not Required		800A	
	2753128		800AJ	
82	4100062	4	Protection, Nylon Hose (24in/61cm per piece)	
83	2220873	1	Fitting (800AJ Only)	

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**FIGURE 6-7. STANDARD HYDRAULIC DIAGRAM (WITH BUCHER BRAND AUXILIARY PUMP)
(CONTINUED)**

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
84	2220947	1	Fitting, Straight	
85	2221036	1	Fitting, Elbow	
86	2220950	1	Fitting, Elbow	
87 to 88	Not Used			
89	2220655	1	Fitting, Elbow	
90	2220501	1	Fitting	
91	2220603	3	Fitting, Straight	
92		1	Fitting, Modified Options:	
	Not Required		800A	
	2180724		800AJ	
93		1	Fitting, Orifice Options:	
	Not Required		800A	
	2180380		800AJ	
94	0100019	AR	Compound, Locking	
95	1001109690	1	Hose	
96	2220606	1	Fitting, Tee	
97	2220923	1	Fitting, Straight	
98	1001143192	1	Hose	
		1	Hose Kit Options:	
			800A	
	2902456		Hose Kit (Includes Items 72 & 76)	
	2902457		Hose Kit (Includes Items 3, 35, 36, 41, 44, 49, 60, 65, 67, 69, 70, 71 & 73)	
			800AJ	
	2902459		Hose Kit (Includes Items 72, 76 & 81)	
	2902457		Hose Kit (Includes Items 3, 35, 36, 41, 44, 49, 60, 65, 67, 69, 70, 71 & 73)	

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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 is available from JLG Service/Parts Departments.	
		Ref	Axle Lockout Hydraulic Diagram (Machines with Oscillating Axle)	
	2792367*	Ref	All Machines Built SN 0300069000 to SN 0300083332	
	2792648/1283387*	Ref	Machine without Tow Package SN 0300083332 to SN 0300140000	
	2792367*	Ref	Machine with Tow Package SN 0300083332 to SN 0300140000	
		Ref	Drive Hydraulic Diagrams:	
		Ref	2WD/2WS Machines	
	2792362*	Ref	SN 0300069000 to SN 0300083332	
	2792693*	Ref	SN 0300083332 to SN 0300087266	
	2792712*	Ref	SN 0300087266 to SN 0300140000	
		Ref	4WD/2WS Machines	
	2792363*	Ref	SN 0300069000 to SN 0300083332	
	2792637*	Ref	SN 0300083332 to SN 0300087266	
	2792711*	Ref	SN 0300087266 to SN 0300140000	
	2792745*	Ref	SN 0300087266 to SN 0300140000 (With Arctic Package)	
		Ref	4WD/4WS Machines	
	2792364	Ref	SN 0300069000 to SN 0300083332	
	2792699	Ref	SN 0300083332 to SN 0300087266	
	2792710	Ref	SN 0300087266 to SN 0300140000	
	1001106992	Ref	SN 0300133887 to SN 0300140000 (With Arctic Package)	
		Ref	Oil Cooler Hydraulic Schematic	
		Ref	Deutz Engine	
	1282665	Ref	SN 0300069000 to SN 0300137668	
	Not Required	Ref	SN 0300137668 to SN 0300140000	
	1283309	Ref	Ford EFI Engine	
		Ref	Standard Hydraulic Diagrams:	
	2792365*	Ref	800A (Fenner & Haldex Brand Auxiliary Pump)	
	1001143187*	Ref	800A (Bucher Brand Auxiliary Pump)	
	2792366*	Ref	800AJ (Fenner & Haldex Brand Auxiliary Pump)	
	1001143188*	Ref	800AJ (Bucher Brand Auxiliary Pump)	
		Ref	Standard Hydraulic Schematic	
	2792351	Ref	SN 0300069000 to SN 0300083332	
	2792629	Ref	SN 0300083332 to SN 0300140000	
		Ref	Tow Bar Hydraulic Diagram	
	2792591	Ref	SN 0300069000 to SN 0300083332	
	2792700/1283387	Ref	SN 0300083332 to SN 0300140000	

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ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1001093187	Ref	Tilt Sensor Installation Options:	C
	1001094557	Ref	SN 0300069000 to SN 0300112885 Adapter, Pressure Tap	

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ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

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FIGURE 7-1. ELECTRICAL DIAGRAM LIST

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	1282571	Ref	COLD WEATHER START ELECTRICAL DIAGRAM	
	4933307	Ref	DRIVE/STEER CUT-OUT ELECTRICAL DIAGRAMS	
	0257157/1282571	Ref	ETHER START ELECTRICAL DIAGRAM	
	4932986	Ref	ENGINE SHUTDOWN ELECTRICAL DIAGRAM (DEUTZ ENGINE MACHINES OPTION)	
		Ref	GENERATOR ELECTRICAL DIAGRAMS	
		Ref	2500W	
		Ref	Caterpillar, Deutz & Ford Engines	
	4933215	Ref	110Volt (SN 0300069000 to SN 0300077500)	
	4933216	Ref	220 Volt (SN 0300069000 to SN 0300077500)	
	4933300	Ref	110/220 Volt (SN 0300077500 to SN 0300SN 0300139400)	
	1001112588	Ref	60Hz (SN 0300139400 to SN 0300140000)	
	1001112743	Ref	50Hz (SN 0300139400 to SN 0300140000)	
	Not Required	Ref	Ford Engines 110/220 Volt (SN 0300139400 to SN 0300140000)	
	4933350	Ref	GM Engines - ANSI & ANSI Export Specs	
		Ref	7500W Options:	
		Ref	Caterpillar & Deutz Engines	
	4933264	Ref	SN 0300069000 to SN 0300139400	
	1001112586	Ref	SN 0300139400 to SN 0300140000	
	4933283	Ref	Ford Engines	
	4933349	Ref	GM Engines	
		Ref	GLOW PLUG DIAGRAM OPTIONS:	
	4933189	Ref	GLOW PLUG DIAGRAM (SN 0300069000 TO SN 0300073049)	
	4922565	1	Harness	
	4933217	Ref	GLOW PLUG DIAGRAM (SN 0300073049 TO SN 0300140000)	
	4933231	Ref	LIGHTS ELECTRICAL DIAGRAMS (NON-UL SPEC MACHINES)	
	4922643	1	Harness (Located in Ground Console Box)	
	3740049	1	Relay	
	4933273	Ref	LIGHTS ELECTRICAL DIAGRAMS (UL MACHINES)	
	4922855	1	Harness (Located in Ground Console Box)	
	3740049	1	Relay	
	4933218	Ref	PLATFORM SOFT TOUCH SYSTEM ELECTRICAL DIAGRAM	
		Ref	PLATFORM WORKLIGHTS ELECTRICAL DIAGRAMS	
	0270814	Ref	Non-UL Spec 800A/800AJ (SN 0300069000 TO SN 0300074427)	
	0273484	Ref	Non-UL Spec 800A (SN 0300074427 TO SN 0300140000)	
	0273485	Ref	Non-UL Spec 800AJ (SN 0300074427 TO SN 0300140000)	
	0272742	Ref	UL Spec MACHINES	

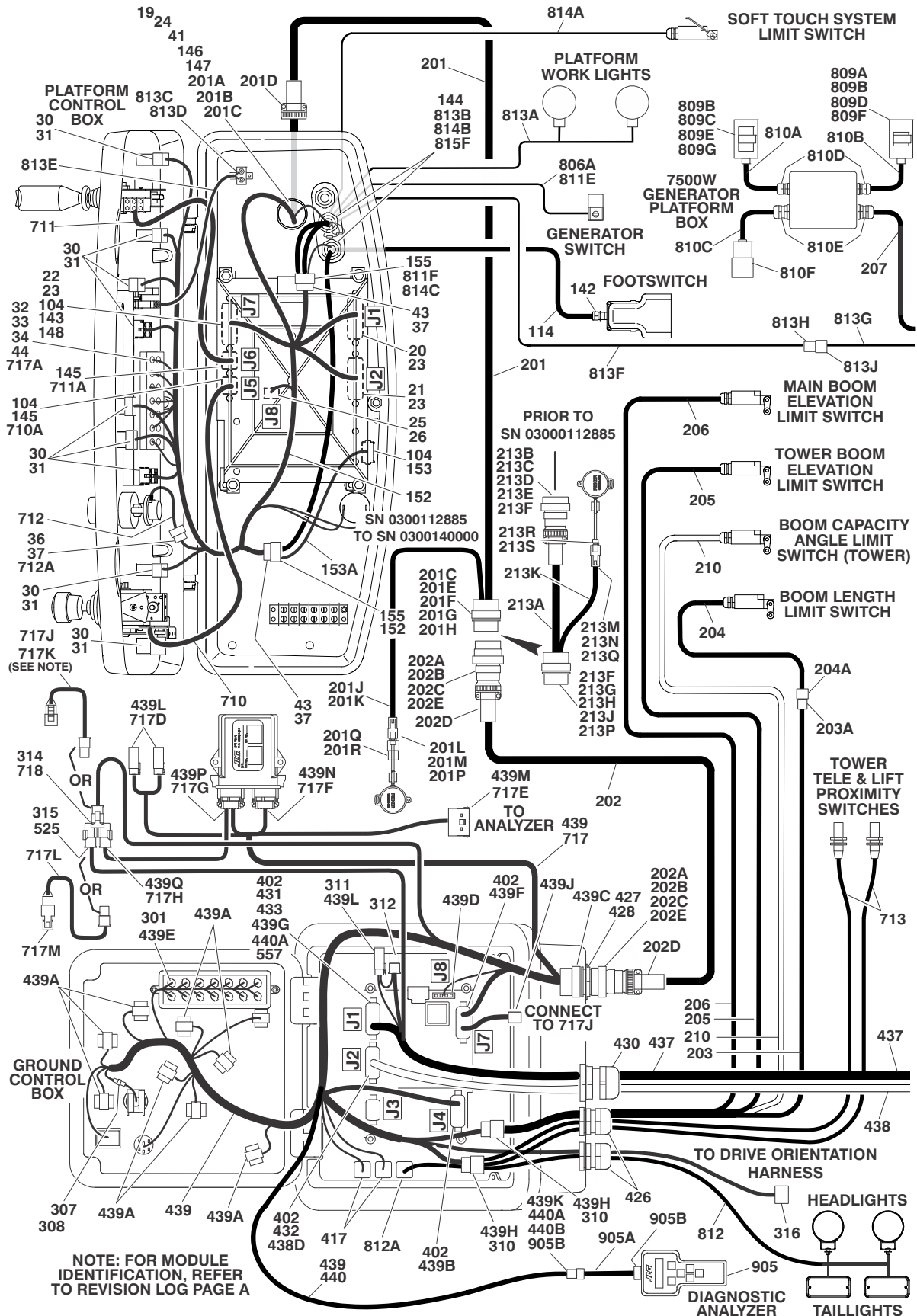
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FIGURE 7-1. ELECTRICAL DIAGRAM LIST (CONTINUED)

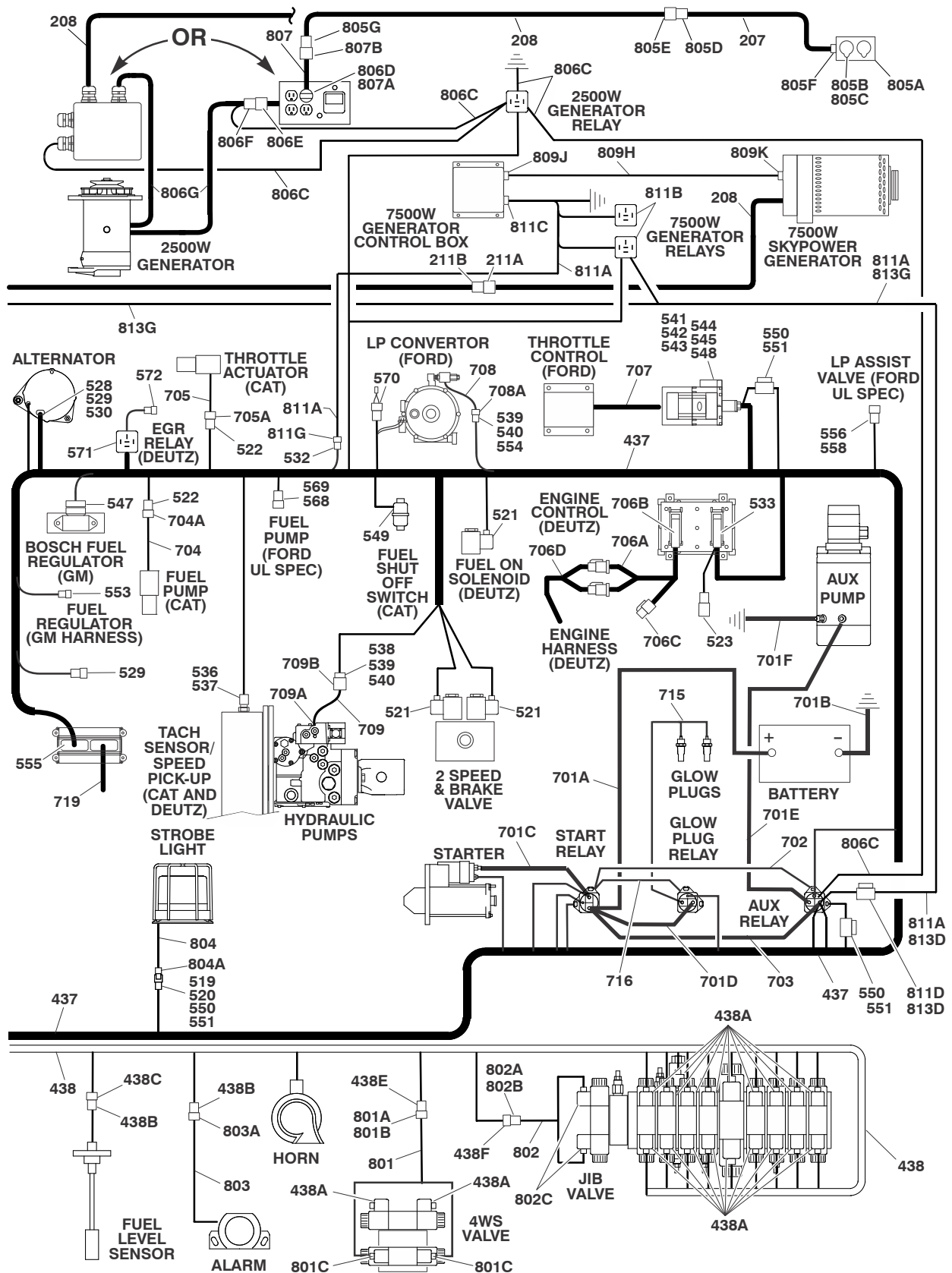
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
	0274207	Ref	SLOPE SENSOR ELECTRICAL DIAGRAM	
		Ref	STANDARD ELECTRICAL DIAGRAMS:	
		Ref	Caterpillar Engine without UGM	
	4933296	Ref	SN 0300069000 to SN 0300087266	
	4933338	Ref	SN 0300087266 to SN 0300099884	
	4933373	Ref	SN 0300099884 to SN 0300140000	
	1001110323	Ref	Caterpillar Engine with UGM	
		Ref	Deutz Engine without UGM	
	4933232	Ref	SN 0300069000 to SN 0300085331	
	4933321	Ref	SN 0300085331 to SN 0300099884	
	4933372	Ref	SN 0300099884 to SN 0300140000	
	1001110322	Ref	Deutz Engine with UGM	
		Ref	Ford EFI Engine	
	4933233	Ref	SN 0300069000 to SN 0300087266	
	4933339	Ref	SN 0300087266 to SN 0300140000	
		Ref	GM Engine without UGM	
	4933356	Ref	SN 0300069000 to SN 0300099884	
	4933371	Ref	SN 0300099884 to SN 0300140000	
	1001110321	Ref	GM Engine with UGM	
		Ref	NOTE: FOR MODULE IDENTIFICATION, REFER TO REVISION LOG PAGE A.	
		Ref	STANDARD ELECTRICAL SCHEMATICS	
			Non-UL Spec Machines with Internal Tilt & without UGM	
	1870132	Ref	Deutz Engines SN 0300069000 to SN 0300085331 and All Caterpillar & Ford Engines SN 0300069000 to SN 0300099884)	
	1870191	Ref	Deutz & GM Engines SN 0300085331 to SN 0300099884	
	1001096461	Ref	Caterpillar, Deutz & GM Engines SN 0300099884 to SN 0300140000)	
	1001110310	Ref	Non-UL Spec Machines with Internal Tilt & with UGM	
	1001131992	Ref	GM Engine Schematic (Engine Schematic Only. P/N 1001110310 is schematic for complete machine)	
	1870160	Ref	UL Spec Machines	
		Ref	NOTE: FOR MODULE IDENTIFICATION, REFER TO REVISION LOG PAGE A.	
		Ref	Note: For Schematic p/n's 1870132/1870191 and 1870160 see schematic 1001096491 and field bulletin FSB107C2 for platform and MTB wiring.	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM



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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	NOTE: FOR MODULE IDENTIFICATION, REFER TO REVISION LOG PAGE A.	
		Ref	PLATFORM BOX HARNESS ASSEMBLY	
	4922639	Ref	SN 0300069000 to SN 0300136488	8/I
	1001107753	Ref	SN 0300136488 to SN 0300140000	B
1 to 18	Not Used			
19	4460866	1	Connector - 19 Position	
20	4460874	1	Plug, Male 35 Position (Natural)	
21	4460875	1	Plug, Male 35 Position (Gray)	
22	4460873	1	Plug, Male 35 Position (Black)	
23	4460871	AR	Socket, Female	
24	4460464	7	Pin, Male (16 Gauge)	
25	4460879	1	Plug, Male 2 Position	
26	4460887	2	Terminal (12 Gauge)	
27 to 29	Not Used			
30	4460418	9	Connector - 6 Position	
31	4460419	27	Terminal, Female	
32	4120035	AR	Base, Light	
33	4460634	AR	Terminal, (16 Gauge)	
34	4460635	AR	Terminal, (12 Gauge)	
35	Not Used			
36	4460225	1	Plug, Male 6 Position	
37	4460227	AR	Pin	
38 to 40	Not Used			
41	4460508	3	Pin, Male (12 Gauge)	
42	Not Used			
43	4460434	2	Plug, Male 15 Position	
44	2920129	AR	Lamp, Indicator	
		Ref	PLATFORM BOX ASSEMBLY COMPONENTS	
101 to 103	Not Used			
104	0100048	AR	Grease, Dielectric	
105 to 113	Not Used			
114	1060918	8ft/2.4m	Cable, Electrical - 18/3	
115 to 141	Not Used			
142	4460071	1	Connector, Strain Relief	
143	4460226	2	Socket, Female	
144	4460428	2	Connector, Strain Relief	
145	4460464	1	Pin, Male (16 Gauge)	
146	4460470	1	Nut, Terminal	
147	4460471	1	Lockwasher, Terminal	
148	4460905	5	Seal, Plug	
149 to 151	Not Used			
152		1	Harness, Console Box Options (See Items 1-44 for Breakdown):	
	4922639		SN 0300069000 to SN 0300136488	
	1001107753		SN 0300136488 to SN 0300140000	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
153	4922666	1	Harness, Analyzer Cable	2/B
	4460226	4	Socket, Female (Not Shown - Located at J2)	
153A	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
154	Not Used			
155	4460708	2	Connector, Female 15 Position	
		Ref	BOOM CABLES INSTALLATION	
	0271374	Ref	800A	F
	0272429	Ref	800A (With 7500W Generator) (Sky Power)	D
	1001093748	Ref	800A (With Arctic Package)	A
	1001091330	Ref	800A (With Arctic Package & 7500W Generator) (Sky Power)	B
	0271376	Ref	800AJ	4
	0272431	Ref	800AJ (With 7500W Generator) (Sky Power)	3
	0275204	Ref	800AJ (With Arctic Package)	1
	1001092093	Ref	800AJ (With Arctic Package & 7500W Generator) (Sky Power)	2
	1001116474	Ref	800AJ (With David Clark Communication System & 7500W Generator) (Sky Power) (Note: Not Shown - Contact your JLG Parts Representative.)	1
201		1	Harness Assembly - Main Boom (12/4 -18/8) Options:	
	4922575		800A	5/E
	1001091315		800A (With Arctic Package)	C
	4922582		800AJ	F
	4923490		800AJ (With Arctic Package)	2/C
	1060896	AR	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG (Without Arctic Package)	
	4923462	AR	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG Options (With Arctic Package):	
		67ft/20.4m	800A (With Arctic Package)	
		64ft/19.5m	800AJ(With Arctic Package)	
	0100009	AR	Sealant	
201A	4460465	11	Socket, Female	
201B	4460865	1	Connector - 19 Position	
201C	4460509	4	Socket, Female	
201D	4460473	1	Clamp. Cable	
201E	4460466	8	Seal, Plug	
201F	4460464	11	Pin, Male (16 Gauge)	
201G	4460866	1	Connector - 19 Position	
201H	4460508	4	Pin, Male (12 Gauge)	
201J	4923613	1	Harness, Tilt Switch (SN 0300112885 to SN 0300140000)	C
201K	1060978	2ft/0.6m	Cable, Electrical - 18/3	
201L	1001097051	1	Connector - 4 Position	
201M	1001097082	3	Pin, Male (Gold)	
201N	4460464	3	Pin, Male (16 Gauge)	
201P	4460466	1	Seal, Plug	
201Q	4461077	1	Terminal, Plug - 4 Position	
201R	See Note	3	Socket, Female (Note: Not Available for Purchase.)	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
202		1	Harness Assembly - Tower Boom (12/4 - 18/8) Options:	
	4922576		Without Arctic Package	
	4923489		With Arctic Package	
	1060896	44ft/13.4m	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG (Without Arctic Package)	
	4923462	44ft/13.4m	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG (With Arctic Package)	
202A	4460465	22	Socket, Female	
202B	4460865	2	Connector - 19 Position	
202C	4460509	8	Socket, Female	
202D	4460473	2	Clamp. Cable	
202E	4460466	8	Seal, Plug	
203		1	Harness Assembly - Tower Boom (18/2) Options (800A Only):	
	4922579	1	Without Arctic Package	
	1001091323	1	With Arctic Package	
	1060902	47ft/14.3m	Cable, Electrical - 18/2 (Without Arctic Package)	
	4923466	47ft/14.3m	Cable, Electrical - 18/2 (With Arctic Package)	
203A	4460465	2	Socket, Female	
	4460891	1	Connector, Terminal - 2 Position	
204		1	Harness Assembly - Main Boom (18/2) Options (800A Only):	
	4922580		SN 0300069000 to SN 0300071063 (Without Arctic Package)	
	4922868		SN 0300071063 to SN 0300140000 (Without Arctic Package)	
	1001091319		With Arctic Package	
	1060902	AR	Cable, Electrical - 18/2 (Without Arctic Package)	
		27ft/8.2m	SN 0300069000 to SN 0300071063	
		30ft/9.1m	SN 0300071063 to SN 03000140000	
	4923466	30ft/9.1m	Cable, Electrical - 18/2 (With Arctic Package)	
204A	4460464	2	Pin, Male	
	4460897	1	Plug, Terminal - 2 Position	
205		1	Harness Assembly - Tower Boom (18/2) Options:	
	Use 4922578		800A (Without Arctic Package) (SN 0300069000 to SN 0300098644) (was p/n 4922577)	
	4922578		800A (Without Arctic Package) (SN 0300098644 to SN 0300140000)	
	4923487		800A (With Arctic Package) (Without 7500W Generator)	
	4923488		800AJ (With Arctic Package) (Without 7500W Generator)	
	4923487		800AJ (With Arctic Package) (With 7500W Generator)	
206		1	Harness Assembly - Main Boom (18/2) Options:	
	4922578		Without Arctic Package	
	4923487		With Arctic Package	
207		1	Harness Assembly - Main Boom Options:	
			800A:	
	4922215		(10/3) (Without Arctic Package)	
	4922773		(8/5) (Without Arctic Package & With 7500W Generator) (Sky Power)	
	1001091324		(10/3) (With Arctic Package)	
	Use 4922773		(8/5) (With Arctic Package & 7500W Generator) (Sky Power) (was p/n 1001093745)	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
207 (cont'd)	4922216		800AJ:	
	4922775		(10/3) (Without Arctic Package)	
	4923485		(8/5) (Without Arctic Package & With 7500W Generator) (Sky Power)	
	Use 4922775		(10/3) (With Arctic Package)	
208		1	(8/5) (With Arctic Package & 7500W Generator) (Sky Power) (was p/n 1001092084)	
	4922217		Harness Assembly - Tower Boom Options:	
	4922774		(10/3)	
	4923486		(8/5) (With 7500W Generator) (Sky Power)	
	Use 4922774		(10/3) (With Arctic Package)	
209		1	(8/5) (With Arctic Package & 7500W Generator) (Sky Power) (was p/n 1001092085)	
	1320256		Clamp, Block Options (Not Shown-Located on back of T/T):	
	1001092384		Clamp, Block (All Except Machines With Arctic Package)	
210		1	With Arctic Package	
	Use 4922578		Harness Assembly (18/2) (800A Only) Options:	
	4922578		SN 0300069000 to SN 0300098644 (was p/n 4922581)	
	4923487		SN 0300098644 to SN 0300140000	
211	0272433	1	With Arctic Package	
211A	4460959	1	Cable Connector Installation (With 7500W Generator) (Sky Power)	B
	1671093	1	Connector, Male (With 7500W Generator) (Sky Power)	
211B	4460960	1	Cover, Male Connector (Optional)	
	1671092	1	Connector, Female (With 7500W Generator) (Sky Power)	
212	Not Used		Cover, Female Connector (Optional)	
213	1001094470	1		C
213A	1060896	1ft/0.3m	Harness, Boom Cable Jumper (SN 0300069000 to SN 0300112885)	
213B	4460465	11	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG	
213C	4460865	1	Socket, Female	
213D	4460509	4	Connector - 19 Position	
213E	4460473	1	Socket, Female	
213F	4460466	8	Clamp. Cable	
213G	4460464	8	Seal, Plug	
213H	4460866	1	Pin, Male (16 Gauge)	
213J	4460508	4	Connector - 19 Position	
213K	4923613	1	Pin, Male (12 Gauge)	
213L	1060978	2ft/0.6m	Harness, Tilt Switch	C
213M	1001097051	1	Cable, Electrical - 18/3	
213N	1001097082	3	Connector - 4 Position	
213P	4460464	3	Pin, Male (Gold)	
213Q	4460466	1	Pin, Male (16 Gauge)	
213R	1001094400	1	Seal, Plug	
213S	4461077	1	Tilt Sensor Harness (Boom) (Includes Sensor)	C
	4460918	3	Terminal, Plug - 4 Position	
			Socket, Female	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	GROUND CONTROL BOX WIRING DIAGRAMS	
		Ref	Caterpillar Engine Machines	
	4933296	Ref	SN 0300069000 to SN 0300087266	2/C
	4933338	Ref	SN 0300087266 to SN 0300099884	3/C
	4933373	Ref	SN 0300099884 to SN 0300140000	F
		Ref	Deutz Engine Machines	
	4933232	Ref	SN 0300069000 to SN 0300085331	5/G
	4933321	Ref	SN 0300085331 to SN 0300099884	F
	4933372	Ref	SN 0300099884 to SN 0300140000	F
		Ref	Ford Engine Machines	
	4933233	Ref	SN 0300069000 to SN 0300087266	4/F
	4933339	Ref	SN 0300087266 to SN 0300140000	2/B
		Ref	GM Engine Machines	
	4933356	Ref	SN 0300069000 to SN 0300099884	B
	4933371	Ref	SN 0300099884 to SN 0300140000	F
301	2920129	AR	Bulb, Light	
302 to 306	Not Used			
307	2400065	1	Fuse, 30Amp	
308	2400066	1	Fuse, Holder	
309	Not Used			
310	4460708	2	Receptacle, Female - 15 Position	
	4460226	AR	Socket, Female	
	4922637	1	Harness, Jumper (Not Shown)	
311	4460894	1	Plug, Male - 6 Position (Deutz & GM Engines SN 0300085331 to SN 0300140000 Only - Caterpillar Engines SN 0300099884 to SN 0300112885)	
	4460892	1	Receptacle, Female - 6 Position (Deutz & GM Engines SN 0300085331 to SN 0300140000 Only - Caterpillar Engines SN 0300099884 to SN 0300112885)	
312	2902443	1	Receptacle Kit (Deutz SN 0300085331 to SN 0300140000 Only)	
	4461071	8	Socket, Female	
	4461072	1	Receptacle	
	4461073	1	Cap, Dust	
	4461074	1	Shell, Black	
313	4923591	1	Harness, Jumper (Not Shown - Located on Module J7-6 to J7-17 Caterpillar Only)	
314	4460945	1	Connector (3 Way Tee)	
315	4460539	1	Plug, Male - 3 Position (Caterpillar SN 0300099884 to SN 0300140000 Only)	
316	4460424	1	Receptacle, Female - 2 Position	
	4460226	2	Socket, Female	
		Ref	GROUND CONTROL BOX COMPONENTS	
401	Not Used			
402	0100048	AR	Grease, Dielectric	
403 to 416	Not Used			

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
417	3740049	AR	Relay Options:	
		3	Caterpillar Engine	
		2	Deutz, Ford & GM Engines	
418 to 425	Not Used			
426	4460426	2	Connector, Strain Relief	
427	4460470	1	Nut, Terminal	
428	4460471	1	Lockwasher, Terminal	
429	Not Used			
430	4460526	1	Connector, Strain Relief	
431	4460874	1	Connector - 35 Position (Natural)	
432	4460875	1	Connector - 35 Position (Gray)	
433	4460905	4	Connector, Amp Seal Plug	
434 to 436	Not Used			
437		1	Engine Harness Assembly (See 501 to 570 for Breakdown)	
			Caterpillar Engine Machines	
	4922933		SN 0300069000 to SN 0300087266	
	4923280		SN 0300087266 to SN 0300099884	
	4923585		SN 0300099884 to SN 0300140000	
	3990001		Diode (SN 0300090372 to SN 0300140000)	
			Caterpillar Engine Machines	
	4922549		SN 0300069000 to SN 0300085331	
	4923238		SN 0300085331 to SN 0300140000	
			Ford Engine Machines	
	4922550		Non-UL Spec Machines (SN 0300069000 to SN 0300087266)	
	4922846		UL Machines (SN 0300069000 to SN 0300087266)	
	4923281		All Machines (SN 0300087266 to SN 0300140000)	
	4923499		GM Engine All Machines	
438	4922557	1	Valve Harness Assembly	1/A
438A	4460880	19	Connector, DIN	
438B	4460320	2	Connector, Female- 2 Position	
	4460267	7	Pin, Male	
438C	4460424	1	Connector, Male- 2 Position	
	4460268	5	Pin, Female	
438D	4460871	AR	Socket, Female	
438E	4460326	1	Connector, Male - 3 Position	
	4460267	7	Pin, Male	
438F	4460445	1	Connector, Female - 3 Position	
	4460268	5	Pin, Female	
439		1	Ground Control Box Harness Assemblies	
			Caterpillar & Ford Engine Machines	
	4922675		SN 0300069000 to SN 0300087266	5/F
	4923282		SN 0300087266 to SN 0300099884	2/B
	4922675		Deutz Engine Machines (SN 0300069000 to SN 0300085331)	5/F
	4923223		Deutz & GM Engine Machines (SN 0300085331 to SN 0300099884)	G
			Caterpillar, Deutz & GM Engine Machines	
	4923575		SN 0300099884 to SN 0300112885	C
	1001096458		SN 0300112885 to SN 0300140000	E

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
439A	4460418	9	Connector, Female- 6 Position	
	4460419	27	Socket, Female	
439B	4460876	1	Connector, 35- Position (Blue)	
	4460871	AR	Socket, Female	
	4460905	1	Seal, Plug	
439C	4460866	1	Connector - 19 Position	
	4460464	AR	Pin, Male Deutsch (16 Gauge)	
	4460508	3	Pin, Male Deutsch (12 Gauge)	
439D	4460878	1	Housing, Terminal- 4 Position	
	4460887	3	Terminal (12 Gauge)	
439E	4120035	AR	Base, Light	
	4460634	AR	Terminal (16 Gauge)	
439F	4460873	1	Connector, 35- Position (Black)	
	4460871	AR	Socket, Female	
	4460905	1	Seal, Plug	
439G	4460871	AR	Socket, Female	
439H	4460434	2	Plug, Male 15- Position	
	4460227	AR	Pin	
439I	3990010	2	Diode - 6 Amp (Not Shown)	
439J			Receptacle, Female Options:	
	4460536	1	Receptacle, Female - 3 Position (Deutz Engine SN 0300085331 to SN 0300112885 - Caterpillar Engine SN 0300099884 to SN 0300112885)	
	4460943	3	Pin	
	4460965	1	Receptacle, Female - 3 Position (SN 0300112885 to SN 0300140000)	
	4460944	3	Pin	
439K	4460761	1	Connector, Female 4- Position	
	4460227	4	Pin, Male	
		Ref	Note: Items 439L - 439Q From SN 0300112885 to SN 0300140000.	
439L	4460894	3	Plug, Male - 6 Position	
	4460465	AR	Socket, Female	
	4460892	3	Terminal, Buss Connector - 6 Position	
439M	4460761	1	Connector, Female 4- Position	
	4460227	4	Pin, Male	
439N	4460909	1	Connector - 12 Position (Black)	
	4460915	1	Wedge Lock - 12 Position	
	4460928	6	Socket, Female	
439P	4460908	1	Connector - 12 Position (Gray)	
	4460915	1	Wedge Lock - 12 Position	
	4460928	5	Socket, Female	
439Q	4460965	1	Connector, Male - 3 Position	
	4460944	3	Socket, Female (Gold)	
440	4922666	1	Cable, Analyzer (Previously came out of J1. On Caterpillar & Ford Machines after SN 0300087266 and on Deutz & GM Machines after SN 0300085331 part of Item 439)	2/B
440A	4460226	4	Socket, Female	
440B	4460761	1	Connector, Female 4- Position	
	4460227	4	Pin, Male	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
441		1	Ground Control Box Wiring Diagram (Not Shown - See Items 301 to 316 for Breakdown)	
	4923296		Caterpillar Engine Machines SN 0300069000 to SN 0300087266	
	4933338		SN 0300087266 to SN 0300099884	
	4933373		SN 0300099884 to SN 0300140000	
	4933232		Deutz Engine Machines SN 0300069000 to SN 0300085331	
	4933321		SN 0300085331 to SN 0300099884	
	4933372		SN 0300099884 to SN 0300140000	
	4933233		Ford Engine Machines SN 0300069000 to SN 0300087266	
	4933339		SN 0300087266 to SN 0300140000	
	4933356		GM Engine Machines SN 0300069000 to SN 0300099884	
	4933371		SN 0300099884 to SN 0300140000	
		Ref	ENGINE HARNESS ASSEMBLY	
		Ref	Caterpillar Engine Machines	
	4922933	Ref	SN 0300069000 to SN 0300087266	2/B
	4923280	Ref	SN 0300087266 to SN 0300099884	3/C
	4923585	Ref	SN 0300099884 to SN 0300140000	D
		Ref	Deutz Engine Machines	
	4922549	Ref	SN 0300069000 to SN 0300085331	5/F
	4923238	Ref	SN 0300085331 to SN 0300129456	E
	1001102150	Ref	SN 0300129456 to SN 0300140000	B
		Ref	Ford Engine Machines	
	4922550	Ref	Non-UL Spec Machines (SN 0300069000 to SN 0300087266)	2/C
	4922846	Ref	UL Machines (SN 0300069000 to SN 0300087266)	2/B
	4923281	Ref	All Machines (SN 0300087266 to SN 0300140000)	3/C
	4923499	Ref	GM Engine All Machines	D
501 to 518	Not Used			
519	4460424	1	Receptacle, Female - 2 Position	
520	4460268	AR	Socket, Female (Caterpillar, Deutz & GM Engines)	
	4460226	AR	Socket, Female (Ford Engine Machines)	
521	4460880	AR	DIN Connector without Diode	
522	4460891	2	Connector, Male - 2 Position (Caterpillar Engine Only)	
	4460465	4	Socket, Female	
523	4461070	1	Receptacle, Female With Resistor (3 Position) (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4461095	1	Plug, Male - 3 Position (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4460944	3	Socket, Female (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
524	Not Used			

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
525	4460539	1	Connector, Male - 3 Position (Deutz & GM Engine SN 0300085331 to SN 0300140000 Only)	
	4460944	3	Socket, Female (Deutz & GM Engine SN 0300085331 to SN 0300140000 Only)	
526	Not Used			
527	4461070	3	Receptacle with Resistor (GM Engine Only) (SN 0300069000 to SN 0300112885)	
	4460944	1	Terminal, Gold (GM Engine Only) (SN 0300069000 to SN 0300112885)	
	4461095	1	Plug, Male - 3 Position (GM Engine Only) (SN 0300069000 to SN 0300112885)	
528	4460582	3	Terminal (Ford Engine - ANSI Spec Machines Only)	
529	4460580	1	Lock, Terminal (Ford Engine - ANSI Spec Machines Only)	
530	4460579	1	Housing - 3 Position (Ford Engine - ANSI Spec Machines Only)	
531	Not Used			
532	4461157	1	Receptacle, Female - 2 Position (GM Engine Only)	
	4460979	2	Pin, Male (GM Engine Only)	
	4460458	2	Seal, Terminal (GM Engine Only)	
533	4461052	1	Connector, Receptacle - 25 Position (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4461005	5	Terminal (Gold) (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4461006	5	Seal, Terminal (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4461060	2	Terminal (Tin) (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4461054	2	Seal, Terminal (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4461053	1	Cover, Plug (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
	4461008	18	Plug, Hole (Deutz Engine SN 0300085331 to SN 0300140000 Only)	
534 to 535	Not Used			
536		AR	Housing - 2 Position Options:	
	4460539	1	Caterpillar Engine	
	4460890	1	Deutz Engine SN 0300069000 to SN 0300085331	
	Not Required	0	Deutz Engine SN 0300085331 to SN 0300140000	
	Not Required	0	Ford Engine	
	Not Required	0	GM Engine	
537		AR	Terminal Options:	
	4460465	3	Caterpillar Engine	
	4460889	2	Deutz Engine SN 0300069000 to SN 0300085331	
	Not Required	0	Deutz Engine SN 0300085331 to SN 0300140000	
	Not Required	0	Ford Engine	
	Not Required	0	GM Engine	
538	4460460	1	Connector, Male - 4 Position	
539	4460457	AR	Terminal, Female	
540	4460458	AR	Seal, Terminal	
541	4460713	1	Connector, Housing 42 Position (Ford Engine Only)	
542	4460725	1	Connector Wedge Lock, Center (Ford Engine Only)	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
543	4460726	2	Connector Wedge Lock, Side (Ford Engine Only)	
544	4460800	32	Connector, Plug (Ford Engine Only)	
545	4460799	7	Pin, Male (Ford Engine Only)	
546	Not Used			
547	4461121	1	Plug, Male - 4 Position (GM Engine Only)	
	4461122	4	Socket, Female (GM Engine Only)	
	4461123	4	Seal, Terminal (GM Engine Only)	
548	4460728	3	Pin, Male (Ford Engine Only)	
549	4460792	1	Housing, Terminal (Caterpillar Engines Only)	
	4460339	AR	Terminal, Spade (Caterpillar Engines Only)	
550	2400061	AR	Fuse (Ford Engine Only)	
551	2400060	AR	Holder, Fuse (Ford Engine Only)	
552	Not Used			
553	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)	
554	4460742	AR	Connector, Male - 2 Position (Ford Engine Only)	
555	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)	
556	4460891	1	Connector, Male - 2 Position (Ford Engine - UL Machines Only)	
557	4460871	AR	Socket, Female	
558	4460465	2	Socket, Female (Ford Engine - UL Machines Only)	
559 to 562	Not Used			
563	4460465	1	Socket, Female (UL Machines Only)	
564 to 567	Not Used			
568	4460320	1	Connector, Female- 2 Position (UL Machines Only)	
569	4460226	2	Socket, Female (UL Machines Only)	
570	3730120	1	Resistor Assembly (Ford Engine SN 0300073347 to SN 0300140000 Only)	
	4460978	1	Receptacle, Male - 2 Position	
	4460979	2	Pin, Male	
	4460458	2	Seal, Terminal	
	3730121	1	Resistor	
571	4460374	1	Connector, Relay (Deutz Engine SN 0300129456 to SN 0300140000 Only)	
	4460375	4	Terminal, Female (Deutz Engine SN 0300129456 to SN 0300140000 Only)	
572	1001102290	1	Receptacle, Female - 2 Position (Deutz Engine SN 0300129456 to SN 0300140000 Only)	
	1001102291	2	Pin, Female (Deutz Engine SN 0300129456 to SN 0300140000 Only)	
	1001102304	2	Seal, Terminal (Deutz Engine SN 0300129456 to SN 0300140000 Only)	
573 to 700	Not Used			

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STANDARD HARNESS COMPONENTS	
701		1	Battery Cable Kit Options:	
	2901609		Caterpillar & Deutz Engines SN 0300069000 to SN 0300078364	
	2902401		Caterpillar & Deutz Engines SN 0300078364 to SN 0300140000	
	2901608		Ford Engines SN 0300069000 to SN 0300087266	
	2902445		Ford Engines SN 0300087266 to SN 0300140000	
	2902533		GM Engines	
701A	7016800	1	Cable, Battery (Red) (Kit p/n 2901609)	
	7016813	1	Cable, Battery (Red) (Kit p/n 2902401)	
	7016800	1	Cable, Battery (Red) (Kit p/n 2901608)	
	7016821	1	Cable, Battery (Red) (Kit p/n 2902445)	
	7027015	1	Cable, Battery (Red) (Kit p/n 2902533)	
701B	7016809	1	Cable, Battery (Black) (Kit p/n 2901609)	
	7027012	1	Cable, Battery (Black) (Kit p/n 2902401)	
	7016807	1	Cable, Battery (Black) (Kit p/n 2901608)	
	7016822	1	Cable, Battery (Black) (Kit p/n 2902445)	
	7027018	1	Cable, Battery (Black) (Kit p/n 2902533)	
701C	7016802	1	Cable To Starter (Red) (Kit p/n 2901609)	
	Not Required	1	Cable To Starter (Part of 701A) (Red) (Kit p/n 2902401)	
	7016808	1	Cable (Red) (Kit p/n 2901608)	
	7016808	1	Cable (Red) (Kit p/n 2902445)	
	7016825	1	Cable To Starter (Red) (Kit p/n 2902533)	
701D	7016803	1	Cable To Glow Plug Relay (Red) (Kit p/n 2901609)	
	7016803	1	Cable To Glow Plug Relay (Red) (Kit p/n 2902401)	
	Not Required	1	Cable (Red) (Kit p/n 2901608)	
	Not Required	1	Cable (Red) (Kit p/n 2902445)	
	Not Required	1	Cable (Red) (Kit p/n 2902533)	
701E	7016824	1	Cable (Red)	
701F	7016825	1	Cable (Black)	
702	1060904	1	Cable, Battery (Caterpillar & Deutz Engines Only)	
703	4922737	1	Harness, Relay Ground (Caterpillar & Deutz Engines Only)	
704	See Note	1	Fuel Pump Harness (Caterpillar Engines Only) (Note: Not Available for Purchase.)	
704A	4460897	1	Receptacle, Female -2 Position (Caterpillar Engines Only)	
	4460464	2	Pin, Male (Caterpillar Engines Only)	
705	See Note	1	Throttle Actuator Harness (Caterpillar Engines Only) (Note: Not Available for Purchase.)	
705A	4460897	1	Receptacle, Female -2 Position (Caterpillar Engines Only)	
	4460464	2	Pin, Male (Caterpillar Engines Only)	
706	See Note	AR	Deutz Engine Harness Components (Deutz Engine Machines Only) (Note: Not Available for Purchase.)	
706A		1	Deutz Engine Harness Options:	
	See Note		SN 0300069000 to SN 0300085331 (Note: Not Available for Purchase.)	
	7027796		SN 0300085331 to SN 0300140000	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
706B	See Note	1	Receptacle, Female - 25 Position (SN 0300085331 to SN 0300140000 Only) (Note: Not Available for Purchase.)	
706C	7027793	1	Plug-In, Connector (SN 0300085331 to SN 0300140000 Only)	
706D	7027794	1	Deutz Engine Harness (For other replacement parts refer to Deutz Engine dealer) (SN 0300085331 to SN 0300140000 Only)	
707		1	Ford Engine Harness Options (For other replacement parts refer to Ford Engine dealer):	
	7023663		SN 0300069000 to SN 0300073348 (ECM)	
	7023681		SN 0300073348 to SN 0300140000 (EPM)	
	7023657	1	Ford Engine TPS Harness (Not Shown)	
	7022134	1	Ford Engine Fuel Pump Harness (Not Shown)	
708	See Note	1	Dual Fuel Shut-Off Filter Harness (Note: Not Available for Purchase.)	
708A	7023679	1	Electrical Connector Kit (Includes [1] 2 Position Connector, 2 Pins & 2 Seals)	
709	See Note	1	Pump Harness (Note: Not Available for Purchase.)	
709A	7007497	1	Plug (Pump End)	
709B	7007498	1	Plug (Engine Harness End)	
710	See Note	1	Controller Harness Assembly (Lift and Swing) (Note: Not Available for Purchase.)	
710A	7022819	1	Plug, Male - 8 Position (Natural)	
	4460871	8	Socket, Female	
711	See Note	1	Controller Harness/Circuit Board Assembly (Drive and Steer) (Note: Not Available for Purchase.)	
711A	7022825	1	Plug, Male - 8 Position (Black)	
	4460871	7	Socket, Female	
712	See Note	1	Controller Harness (Speed Control) (Note: Not Available for Purchase.)	
712A	4460224	1	Receptacle, Female - 6 Position	
	4460226	6	Socket, Female	
713	4360499	2	Proximity Switch Harness (Includes Switch)	
714	See Note	AR	GM Engine Harness Components (GM Engine Machines Only) (Note: Not Available for Purchase.)	
715	4923379	1	Harness, Glow Plugs (Deutz Engine Machines Only SN 0300092718 to SN 0300140000)	
716	1060904	1	Cable, Jumper (Deutz Engine Machines Only SN 0300092718 to SN 0300140000)	
717	1001093256	Ref	Harness, Tilt (SN 0300069000 to SN 0300112885)	F
717A	2920129	1	Bulb	
	4120035	1	Socket, Light	
717B	4460464	4	Pin, Male Deutsch (16 Gauge)	
717C	4460871	4	Socket, Female	
717D	4460894	2	Plug, Male - 6 Position	
	4460465	8	Socket, Female	
	4460892	2	Terminal, Buss Connector - 6 Position	
717E	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
717F	4460909	1	Connector - 12 Position (Black)	
	4460915	1	Wedge Lock - 12 Position	
	4460928	6	Socket, Female	

SECTION 7 ELECTRICAL

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
717G	4460908	1	Connector - 12 Position (Gray)	C
	4460915	1	Wedge Lock - 12 Position	
	4460928	5	Socket, Female	
717H	4460965	1	Connector, Male - 3 Position	
	4460944	3	Socket, Female (Gold)	
717J	4922099	AR	Cable, Can-Buss (Machines with Can Buss Engine Controllers & Caterpillar Engine without Can Buss Engine Controllers)	
	4460965	1	Connector, Male - 3 Position	
	4460944	6	Socket, Female (Gold)	
	4460539	1	Terminal, Plug - 3 Position	
		Ref	Note: Machines with Can Buss Item #717J Connect to MTB Harness Can Buss.	
717K	4922099	AR	Cable, Can-Buss (Machines without Can Buss Engine Controllers)	
	4460965	1	Connector, Male - 3 Position	
	4460944	6	Socket, Female (Gold)	
	4460464	3	Pin, Male Deutsch (16 Gauge)	
		Ref	Note: Machines without Can Buss Item #717K Connect to Deutsch Boom Cable Connector.	
717L	4922099	AR	Cable, Can-Buss (Machines without Can Buss Engine Controllers)	
	4460539	2	Terminal, Plug - 3 Position	
	4460944	6	Socket, Female (Gold)	
717M	4460536	1	Terminal, Receptacle - 3 Position (Machines without Can Buss Engine Controllers)	
718	1001093187	Ref	Tilt Sensor Installation	E
	4460945	1	Receptacle - 3 Position (3 way Tee)	
719		1	GM Engine Harness Options:	
	7027991		Tier 1 Engines	
	70000718		Tier 2 Engines	
	70002898		Tier 3 & 4 interim	
	7027989	1	Connector, Male - 10 Position (Not Shown)	
	See Note	1	Box, Fuse (Note: Parts of Harness - Not Available for Purchase)	
	70002627	1	Cover, Fuse Box	
	70001950	2	Relay (Power & Fuel Pump)	
	70001951	1	Relay (Starter)	
	70001931	1	Fuse - 60 Amp (Alternator)	
	See Note	1	Fuse - 20 Amp (Note: Not Available - Purchase Locally)	
	See Note	3	Fuse - 15 Amp (Note: Not Available - Purchase Locally)	
	See Note	1	Fuse - 10 Amp (Note: Not Available - Purchase Locally)	
	See Note	1	Fuse - 5 Amp (Note: Not Available - Purchase Locally)	
		Ref	OPTIONAL HARNESS COMPONENTS	
801	4921928	1	4WS Valve Harness	F
801A	4460268	3	Socket, Female	
801B	4460445	1	Connector, Female - 3 Position	F
801C	4460499	2	Connector, DIN with Diode	
802	4921927	1	Jib Valve Harness (800AJ Only)	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
802A	4460326	1	Plug, Male - 3 Position	
802B	4460267	3	Pin, Male	
802C	4460499	2	Connector, DIN with Diode	
803	0257887	1	Alarm Harness (Includes Alarm)	
803A	4460424	1	Plug, Male - 2 Position	
	4460268	2	Socket, Female	
804		1	Strobe Light Harness (Includes Strobe Light) Options:	
	0255917		SN 0300069000 to SN 0300069325	
	0272507		SN 0300069325 to SN 0300140000	
804A	4460320	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
805			2500W AC to Platform Receptacle Components Options:	
	0272259	Ref	110V GFI Receptacle (JLG Supplied Box & Receptacle)	3
	0272260	Ref	220V GFI Receptacle (JLG Supplied Box & Receptacle)	2
	0256202	Ref	110/220V Receptacle (Locally Supplied Box & Receptacle)	5
	0274619	Ref	Dual 110V GFI Receptacles (JLG Supplied Box & Receptacle) (Note: Double qty listed for Dual Receptacles)	2/B
805A	0860038	1	Box, Switch	
805B		1	Receptacle Options:	
	4460346		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460125		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
805C		1	Shield, Cover Options:	
	4060700		110V GFI Receptacle (Side Hinged) (JLG Supplied Box & Receptacle)	
	1001110873		110V GFI Receptacle (Top Hinged) (JLG Supplied Box & Receptacle)	
	4060092		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
805D		1	Plug, Male Options:	
	4460205		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460233		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
805E		1	Connector, Female Options:	
	4460134		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460701		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
805F	4460051	1	Connector, Strain Relief	
805G		1	Plug, Male Options:	
	4460205		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460233		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
806		AR	Generator Electrical Components	
	4933215		110V (SN 0300069000 to SN 0300082504)	2/C
	4933216		220V (SN 0300069000 to SN 0300082504)	2/C
	4933300		110V/220V (SN 0300082504 to SN 0300140000)	2/A
	4933350		110V (GM Engine Only)	A
	3990010	1	Diode - 6 Amp (Not Shown)	
806A	4922641	1	Harness - On/Off Switch	
806B	4460226	2	Socket, Female	
806C		1	Powermite Control Box to Relay Options:	
	4922482		SN 0300069000 to SN 0300077500	
	4922970		SN 0300077500 to SN 0300140000	
806D	4460027	1	Receptacle, Twist Lock (110V Only)	
806E	4460961	1	Connector, Female - 4 Position (SN 0300082504 to SN 0300140000)	
	4460705	4	Pin, Male	
806F	4460321	1	Connector, Male - 4 Position (SN 0300082504 to SN 0300140000)	
	4460906	4	Socket, Female	
806G	7020193	1	Harness, Generator Power	
807	4921829	1	Generator to Rear of Boom Harness (110V)	
	4921955	1	Generator to Rear of Boom Harness (220V)	
		Ref	Note: Harness used to connect AC at platform harness to generator receptacle to power platform receptacle.	
	1060494	6ft/1.8m	Cable, Electrical - 12/3	
807A	4460205	1	Plug, Male (110V)	
	4460233	1	Plug, Male (220V)	
807B	4460134	1	Receptacle, Female (110V)	
	4460701	1	Receptacle, Female (220V)	
808	Not Used			
809		Ref	7500W SkyPower Generator Installation	
	0273540	Ref	60Hz & Caterpillar Engine	J
	0273541	Ref	50Hz Spec & Caterpillar Engine	H
	0272255	Ref	60Hz & Deutz Engine	L
	0272492	Ref	50Hz Spec & Deutz Engine	I
	0272817	Ref	60Hz Spec & Ford Engine	E
	0275257	Ref	60Hz Spec & GM Engine	C
		Ref	Note: SkyPower generator is standard on ANSI & CSA Specs. Optional on All Other Specs.	
809A		1	Receptacle, Female Twist-Lock Options:	
	4460958		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
809B		2	Gasket Options:	
	3960422		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
809C		1	Cover, Receptacle Options:	
	4060700		60Hz Spec (Side Hinged)	
	1001110873		60Hz Spec (Top Hinged)	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
809D	Use 1001110872 See Note	1	Cover, Receptacle Options: 60Hz Spec (was p/n 4061043) 50Hz Spec (Note: Not Available - Purchase Locally.)	
809E	4460346 See Note	1	Receptacle Options: 60Hz Spec 50Hz Spec (Note: Not Available - Purchase Locally.)	
809F	4460051	1	Connector, Strain Relief	
809G	4460071	1	Connector, Strain Relief	
809H	4922925	1	Harness, Generator	
809J	4460225	1	Plug, Male - 6 Position	
	4460226	6	Socket, Female	
809K	See Note	1	Plug, Male - 6 Position (Note: Not Available for Purchase.)	
	See Note	6	Socket, Female (Note: Not Available for Purchase.)	
810		Ref	7500W SkyPower Generator Junction Box Components	
	0861542	Ref	60Hz Spec	C
	0861567	Ref	50Hz Specs	B
810A		2ft/.6m	Cable, Electrical 12/3	
	1060494		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
810B		2.5ft/.76m	Cable, Electrical 10/3	
	1060708		60Hz Spec	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
810C	1060343	1.5ft/.46m	Cable, Electrical 10/4 (60Hz Spec Only)	
810D	4460425	2	Connector, Strain Relief	
810E		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)	
810F	1671092	1	Cover (60Hz Spec Only)	
	4460963	1	Connector (60Hz Spec Only)	
811		Ref	7500W Generator Electrical Diagram Components	
	4933264	Ref	Caterpillar & Deutz Engine Machines	C
	4933283	Ref	Ford Engine Machines	2/B
	4933349		GM Engine Machines	1/A
811A		1	Generator Harness Options:	
	4922757		Caterpillar & Deutz Engine Machines	3/C
	4922905		Ford Engine Machines	1/A
	4923420		GM Engine Machines	1/A
811B	4460374	2	Plug, Sealed Relay	
	4460375	7	Terminal	
811C	4460967	1	Plug, Male - 3 Position	
	4460465	3	Socket, Female	
811D	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	

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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
811E	4922641	1	Switch Harness	
811F	4460226	2	Socket, Female	
811G	4460742	1	Plug, Male - 2 Position (GM Engine Only)	
	4460743	2	Socket, Female (GM Engine Only)	
812	See Note	1	Lights Harness (Note: Not Available for Purchase.)	
	1060341	48ft/14.6m	Cable, Electrical - 16/2	
812A	3740049	1	Relay	
812B		1	Harness, Bagged Options (Located at Ground Control Box) (Not Shown):	
	4922643		Non UL Spec Machines	
	4922855		UL Spec Machines	
813			Platform Worklights Components	
813A		2	Platform Worklights Harness (External) Options (Includes Light and Wire Only):	
	2920140		Non-UL Spec Machines	
	2920095		UL Machines	
813B		1	Connector, Strain Relief Options:	
	4460598		Non-UL Spec Machines SN 0300069000 to SN 0300074427	
	4460426		Non-UL Spec Machines SN 0300074427 to SN 0300140000	
	4460598		UL Machines	
813C	4360232	1	Circuit Breaker, 15Amp (Non-UL Spec Machines Built SN 0300069000 to SN 0300074427 Only)	
813D	2400068	AR	Fuseholder (Non-UL Spec Machines Built SN 0300074427 to SN 0300140000 Located at Aux Power Relay & All UL Spec Machines Located at Platform Console)	
	2400070	AR	Fuse - 10 Amp (Non-UL Spec Machines Built SN 0300074427 to SN 0300140000 Located at Aux Power Relay & All UL Spec Machines Located at Platform Console)	
813E	4922498	1	Platform Worklights Harness (Internal) (Non-UL Spec Machines SN 0300069000 to SN 0300074427 Only)	
	4922849	1	Platform Worklights Harness (Internal) (UL Spec Machines)	
	4460871	3	Socket, Female	
		Ref	Note: Items 813F - 813J SN 0300074427 to SN 0300140000.	
813F		1	Platform Worklights Main Boom Harness Options:	
	4922215		800A	
	4922216		800AJ	
	1060708		Cable, Electrical - 10/3 Options:	
		67ft/20.4m	800A	
		64ft/19.5m	800AJ	
813G	4922217	1	Platform Worklights Tower Boom Harness	
	1060708	39ft/11.9m	Cable, Electrical - 10/3	
813H		AR	Connector, Female - 3 Position Options (Platform Worklights Only):	
	4460459	1	SN 0300069000 to SN 0300117587	
	4460789	3	Terminal, Seal	
	4460790	3	Socket, Female	
	1001098234	1	SN 0300117587 to SN 0300140000	

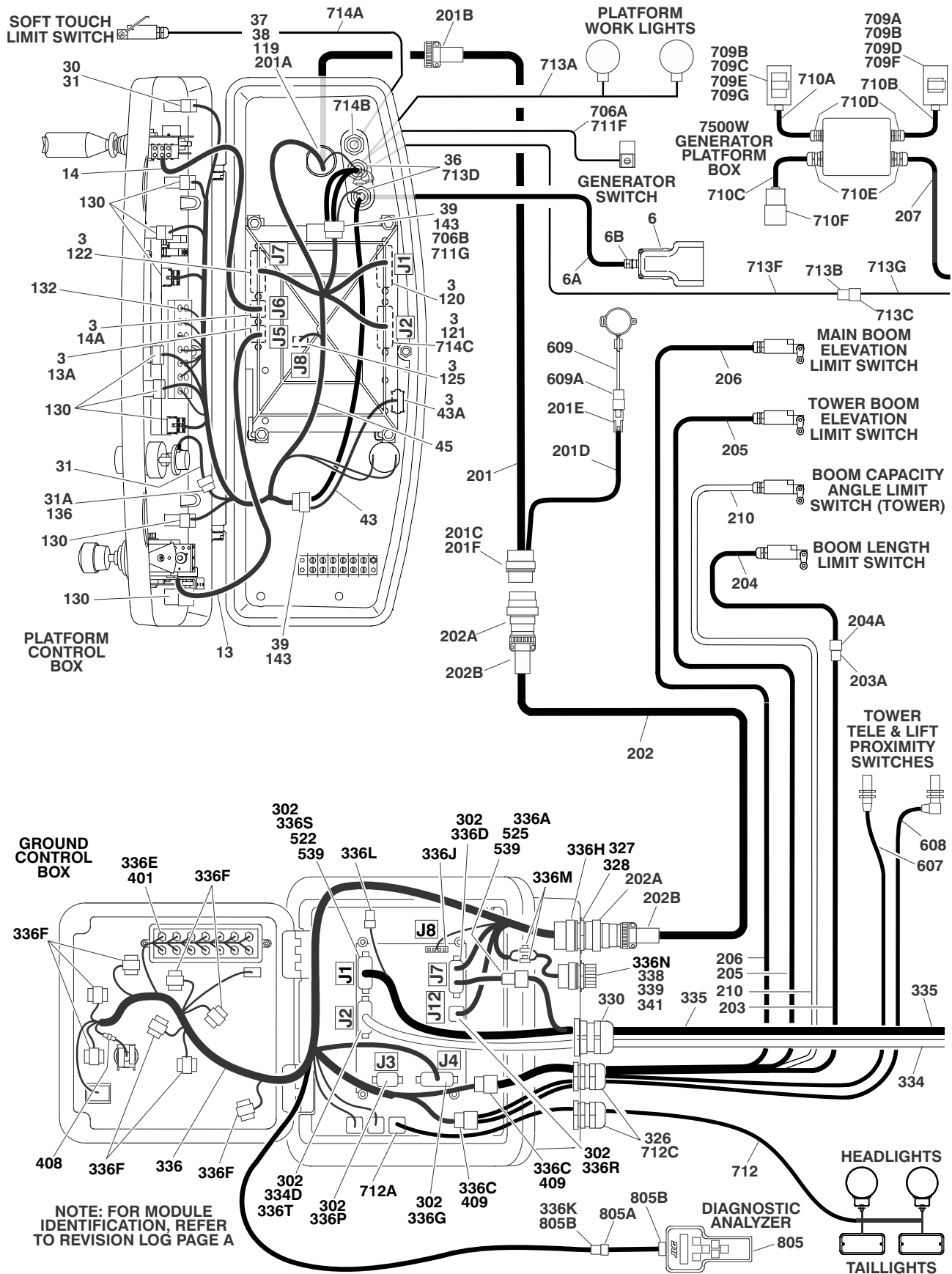
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FIGURE 7-2. HARNESS COMPONENTS INSTALLATION WITHOUT UGM (CONTINUED)

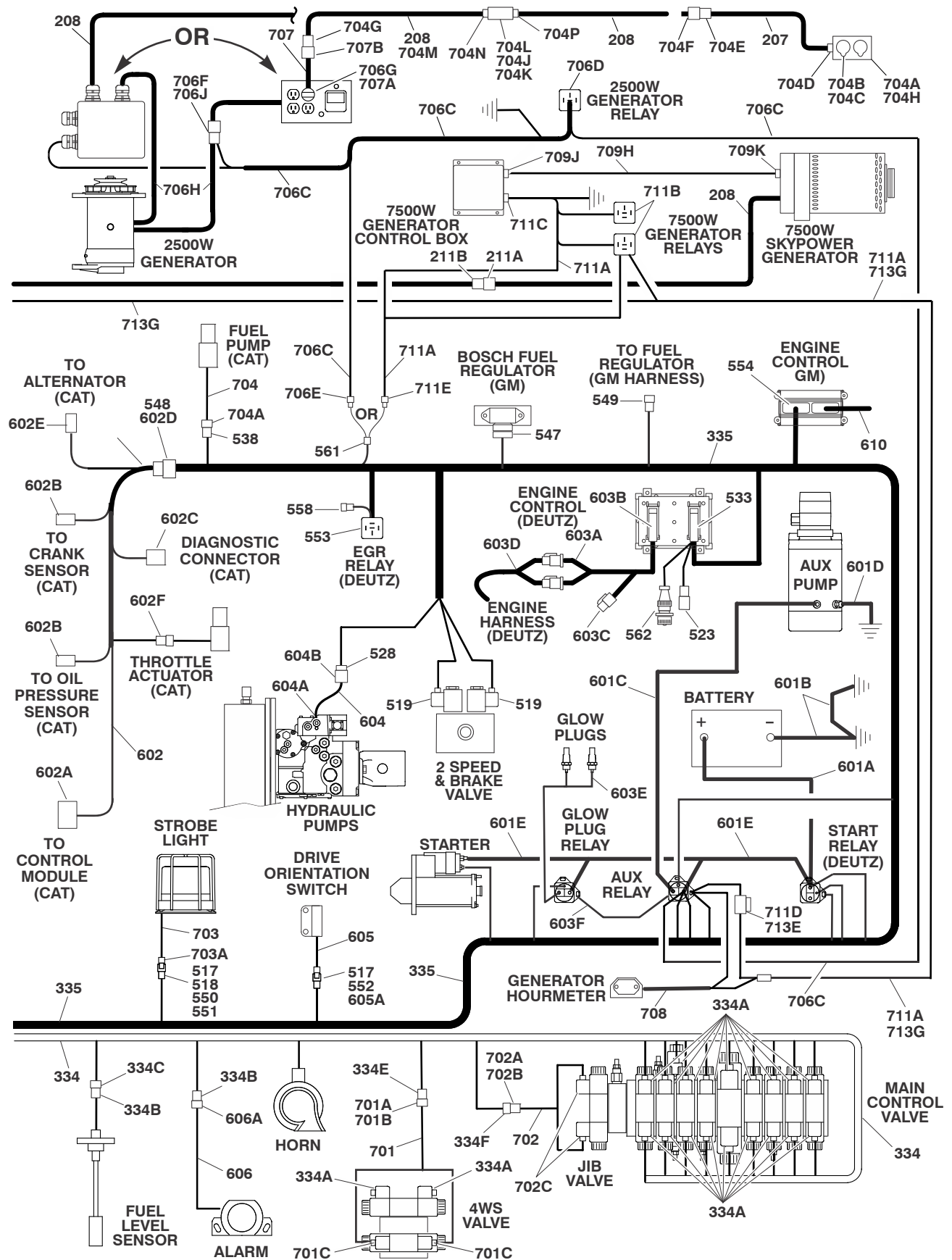
ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
813J		AR	Connector, Male - 3 Position Options (Platform Worklights Only):	1/A
	4460476	1	SN 0300069000 to SN 0300117587	
	4460789	3	Terminal, Seal	
	4460790	3	Socket, Female	
	1001098349	1	SN 0300117587 to SN 0300140000	
814	See Note	1	Soft-Touch System Harness (Note: Not Available for Purchase.)	
814A	1060341	23ft/7.1m	Cable, Electrical - 16/2	
814B		1	Connector, Strain Relief Options:	
	4460425		6ft Platforms	
	4460049		8ft Platforms	
814C	4460226	2	Socket, Female	
		Ref	TOOLS	
901	7002821	1	Crimper (For Wire to Pin/Socket Connections) (Not Shown)	
902	7002823	1	Extractor (For Removal of Pin/Socket from Connectors) (Not Shown)	
903	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
904	7002828	1	Stripper, Wire (Not Shown)	
905	1600244	1	Analyzer	
905A	1060633	1	Cable, Analyzer	
905B	4460321	2	Plug, Male	
	4460226	8	Socket, Female	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM



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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	NOTE: FOR MODULE IDENTIFICATION, REFER TO REVISION LOG PAGE A.	
	1001114448	Ref	PLATFORM BOX ASSEMBLY COMPONENTS	C
1 to2	Not Used			
3	0100048	AR	Grease, Dielectric	
4 to 5	Not Used			
6		AR	Footswitch Components:	
6A	1060918	7ft/2.13m	Cable, Electrical - 18/3	
	4460042	3	Terminal, Ring	
	4460226	2	Socket, Female	
	4460464	1	Pin, Male (16 Gauge)	
6B	4460071	2	Connector, Strain Relief	
7 to 12	Not Used			
13	See Note	1	Controller Harness Assembly (Lift and Swing) (Note: Not Available for Purchase.)	
13A	7022819	1	Plug, Male - 8 Position (Natural)	
	4460871	8	Socket, Female	
14	See Note	1	Controller Harness/Circuit Board Assembly (Drive and Steer) (Note: Not Available for Purchase.)	
14A	7022825	1	Plug, Male - 8 Position (Black)	
	4460871	7	Socket, Female	
15 to 30	Not Used			
31	See Note	1	Controller Harness (Speed Control) (Note: Not Available for Purchase.)	
31A	4460224	1	Receptacle, Female - 6 Position	
	4460226	6	Socket, Female	
32 to 35	Not Used			
36	4460428	2	Connector, Strain Relief	
37	4460470	1	Nut, Terminal	
38	4460471	1	Lockwasher, Terminal	
39	4460708	2	Connector, Female 15 Position	
40	4460905	5	Seal, Plug	
41 to 42	Not Used			
43	4922666	1	Harness, Analyzer Cable	2/B
	4460226	4	Socket, Female (Not Shown - Located at J2)	
43A	4460761	1	Connector, Female - 4 Position	
	4460227	4	Pin, Male	
44	Not Used			
45	1001107753	1	Harness, Console Box (See Items 101-144 for Breakdown)	
	1001107753	Ref	PLATFORM BOX HARNESS ASSEMBLY	C
101 to 118	Not Used			
119	4460866	1	Connector 19 Position	
	4460464	7	Pin, Male (16 Gauge)	
	4460508	3	Pin, Male (12 Gauge)	
120	4460874	1	Plug, Male 35 Position (Natural)	
	4460871	29	Socket, Female	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
121	4460875	1	Plug, Male 35 Position (Gray)	
	4460871	24	Socket, Female	
122	4460873	1	Plug, Male 35 Position (Black)	
	4460871	26	Socket, Female	
123 to 124	Not Used			
125	4460879	1	Plug, Male 2 Position	
	4460887	2	Terminal (12 Gauge)	
126 to 129	Not Used			
130	4460418	9	Connector 6 Position	
	4460419	27	Terminal, Female	
131	Not Used			
132	4120035	13	Base, Light	
	4460634	13	Terminal, (16 Gauge)	
	4460635	13	Terminal, (12 Gauge)	
	2920129	13	Lamp, Indicator	
133 to 135	Not Used			
136	4460225	1	Plug, Male 6 Position	
	4460227	5	Pin, Male	
137 to 142	Not Used			
143	4460434	2	Plug, Male 15 Position	
	4460227	25	Pin, Male	
		Ref	BOOM CABLES INSTALLATION	
	0271374	Ref	800A	F
	0272429	Ref	800A (With 7500W Generator) (Sky Power)	D
1001093748		Ref	800A (With Arctic Package)	A
1001091330		Ref	800A (With Arctic Package & 7500W Generator) (Sky Power)	B
	0271376	Ref	800AJ	4B
	0272431	Ref	800AJ (With 7500W Generator) (Sky Power)	3
	0275204	Ref	800AJ (With Arctic Package)	1
1001092093		Ref	800AJ (With Arctic Package & 7500W Generator) (Sky Power)	2
1001116474		Ref	800AJ (With David Clark Communication System & 7500W Generator) (Sky Power) (Note: Not Shown - Contact your JLG Parts Representative.)	1
201		1	Harness Assembly - Main Boom (12/4 -18/8) Options:	
	4922575		800A	5/E
1001091315			800A (With Arctic Package)	C
	4922582		800AJ	F
	4923490		800AJ (With Arctic Package)	2/C
	1060896	AR	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG (Without Arctic Package)	
	4923462	AR	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG Options (With Arctic Package):	
		67ft/20.4m	800A (With Arctic Package)	
		64ft/19.5m	800AJ(With Arctic Package)	
	0100009	AR	Sealant	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
201A	4460865	1	Connector - 19 Position	C
	4460465	11	Socket, Female	
	4460509	4	Socket, Female	
	4460466	4	Seal, Plug	
201B	4460473	1	Clamp. Cable	
201C	4460866	1	Connector - 19 Position	
	4460464	11	Pin, Male (16 Gauge)	
	4460508	4	Pin, Male (12 Gauge)	
	4460466	4	Seal, Plug	
201D	4923613	1	Harness, Tilt Switch	
	1060978	2ft/0.6m	Cable, Electrical - 18/3	
201E	1001097051	1	Connector - 4 Position	4/D 1/A
	1001097082	3	Pin, Male (Gold)	
	4460466	1	Seal, Plug	
201F	4460464	3	Pin, Male (16 Gauge)	
202		1	Harness Assembly - Tower Boom (12/4 - 18/8) Options:	
	4922576		Without Arctic Package	
	4923489		With Arctic Package	
	1060896	44ft/13.4m	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG (Without Arctic Package)	
202A	4923462	44ft/13.4m	Cable, Electrical - 4 #12 AWG, 8 #18 AWG & 1 STP #18 AWG (With Arctic Package)	
	4460865	2	Connector - 19 Position	
	4460465	22	Socket, Female	
	4460509	8	Socket, Female	
202B	4460466	8	Seal, Plug	
	4460473	2	Clamp. Cable	
203		1	Harness Assembly - Tower Boom (18/2) Options (800A Only):	
	4922579	1	Without Arctic Package	
	1001091323	1	With Arctic Package	
	1060902	47ft/14.3m	Cable, Electrical - 18/2 (Without Arctic Package)	
203A	4923466	47ft/14.3m	Cable, Electrical - 18/2 (With Arctic Package)	
	4460465	2	Socket, Female	
	4460891	1	Connector, Terminal - 2 Position	
204		1	Harness Assembly - Main Boom (18/2) Options (800A Only):	
	4922868		Without Arctic Package	
	1001091319		With Arctic Package	
	1060902	30ft/9.1m	Cable, Electrical - 18/2 (Without Arctic Package)	
204A	4923466	30ft/9.1m	Cable, Electrical - 18/2 (With Arctic Package)	
	4460464	2	Pin, Male	
	4460897	1	Plug, Terminal - 2 Position	
205		1	Harness Assembly - Tower Boom (18/2) Options:	
	4922578		800A (Without Arctic Package)	
	4923487		800A (With Arctic Package) (Without 7500W Generator)	
	4922578		800AJ (Without Arctic Package)	
	4923488		800AJ (With Arctic Package) (Without 7500W Generator)	
	4923487		800AJ (With Arctic Package) (With 7500W Generator)	
206		1	Harness Assembly - Main Boom (18/2) Options:	
	4922578		Without Arctic Package	
	4923487		With Arctic Package	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
207	4922215 4922773 1001091324 Use 4922773 4922216 4922775 4923485 4922775	1	Harness Assembly - Main Boom Options: 800A: (10/3) (Without Arctic Package) (8/5) (Without Arctic Package & With 7500W Generator) (Sky Power) (10/3) (With Arctic Package) (8/5) (With Arctic Package & 7500W Generator) (Sky Power) 800AJ: (10/3) (Without Arctic Package) (8/5) (Without Arctic Package & With 7500W Generator) (Sky Power) (10/3) (With Arctic Package) (8/5) (With Arctic Package & 7500W Generator) (Sky Power)	B
208	4922217 4922774 4923486 Use 4922774	1	Harness Assembly - Tower Boom Options: (10/3) (8/5) (With 7500W Generator) (Sky Power) (10/3) (With Arctic Package) (8/5) (With Arctic Package & 7500W Generator) (Sky Power) (was p/n 1001092085)	
209	1320256 1001092384	1	Clamp, Block Options (Not Shown-Located on back of T/T): Clamp, Block (All Except Machines With Arctic Package) With Arctic Package	
210	4922578 4923487	1	Harness Assembly (18/2) (800A Only) Options: Without Arctic Package With Arctic Package	
211	0272433	1	Cable Connector Installation (With 7500W Generator)(Sky Power)	
211A	4460959	1	Connector, Male (With 7500W Generator) (Sky Power)	
	1671093	1	Cover, Male Connector (Optional)	
211B	4460960	1	Connector, Female (With 7500W Generator) (Sky Power)	
	1671092	1	Cover, Female Connector (Optional)	
		Ref	GROUND CONTROL BOX COMPONENTS	
301	Not Used			1/A
302	0100048	AR	Grease, Dielectric	
303 to 325	Not Used			
326	4460426	1	Connector, Strain Relief	
327	4460470	1	Nut, Terminal	
328	4460471	1	Lockwasher, Terminal	
329	Not Used			
330	4460526	1	Connector, Strain Relief	
331 to 333	Not Used			
334	4922557	1	Valve Harness Assembly	
334A	4460880	19	Connector, DIN	
334B	4460320	2	Connector, Female- 2 Position	
	4460267	7	Pin, Male	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
334C	4460424	1	Connector, Male- 2 Position	
	4460268	5	Pin, Female	
334D	4460871	11	Socket, Female	
334E	4460326	1	Connector, Male - 3 Position	
	4460267	7	Pin, Male	
334F	4460445	1	Connector, Female - 3 Position	
	4460268	5	Pin, Female	
335		1	Engine Harness Assembly (See 501 to 562 for Breakdown)	
	1001110324		Caterpillar Engine Machines	
	1001110222		Deutz Engine Machines	
	1001110221		GM Engine Machines	
336	1001110225	1	Ground Control Box Harness Assembly	C
336A	4460536	1	Connector, Female 3 Position	
	4460943	3	Pin, Male	
336B	3990010	2	Diode - 6 Amp (Not Shown)	
336C	4460434	2	Plug, Male 15- Position	
	4460227	22	Pin	
336D	4460873	1	Connector, 35 Position (Black)	
	4460871	21	Socket, Female	
	4460905	AR	Seal, Plug	
336E	4120035	7	Base, Light	
	4460634	7	Terminal (16 Gauge)	
	4460635	6	Terminal (12 Gauge)	
336F	4460418	9	Connector, Female- 6 Position	
	4460419	27	Socket, Female	
336G	4460876	1	Connector, 35 Position (Blue)	
	4460871	29	Socket, Female	
	4460905	AR	Seal, Plug	
336H	4460866	1	Connector, Female - 19 Pin	
	4460464	7	Pin, Male (16 Gauge)	
	4460508	3	Pin, Male (12 Gauge)	
336J	4460878	1	Housing, Terminal - 4 Position	
	4460887	3	Terminal (12 Gauge)	
336K	4460761	1	Connector, Female 4- Position	
	4460227	4	Pin, Male	
336L	4460894	3	Plug, Male - 6 Position	
	4460465	AR	Socket, Female	
	4460892	3	Terminal, Buss Connector - 6 Position	
336M	8229242	2	Fuse 5A	
	2400060	2	Holder, Fuse	
336N	1001112612	1	Connector - 9 Position	
	4460943	4	Pin, Male	
336P	1001106339	1	Connector, Male - 14 Position	
	4460871	2	Socket, Female	
	4460905	AR	Plug, Seal	
336R	1001106340	1	Connector, Male - 14 Position	
	4460871	5	Socket, Female	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
336S	4460874	1	Connector, Natural	
	4460871	10	Socket, Female	
	4460905	AR	Plug, Seal	
336T	4460875	1	Connector, Gray	
	4460871	2	Socket, Female	
	4460905	AR	Plug, Seal	
337		Ref	Ground Control Box Wiring Diagram (Not Shown - See Items 401 to 409 for Breakdown)	
	1001110323		Caterpillar Engine	
	1001110322		Deutz Engine	
	1001110321		GM Engine	
338	4460471	1	Lockwasher, Terminal	
339	4460470	1	Nut, Terminal	
340	Not Used			
341	1001106736	1	Cap, Dust	
		Ref	GROUND CONTROL BOX WIRING DIAGRAMS	
	1001110323	Ref	Caterpillar Engine	A
	1001110322	Ref	Deutz Engine	A
	1001110321	Ref	GM Engine	A
401	2920129	AR	Bulb, Light	
402 to 407	Not Used			
408	2400065	1	Fuse, 30Amp	
	2400066	1	Fuse, Holder	
409	4460708	2	Receptacle, Female - 15 Position	
	4460226	AR	Socket, Female	
	4460905	AR	Plug, Seal	
	4922637	1	Harness, Jumper (Not Shown)	
		Ref	ENGINE HARNESS ASSEMBLY	
	1001110324	Ref	Caterpillar Engine Machines	B
	1001110222	Ref	Deutz Engine Machines	B
	1001110221	Ref	GM Engine All Machines	A
501 to 516	Not Used			
517	4460424	2	Receptacle, Female - 2 Position	
518	4460268	AR	Socket, Female	
519	4460880	AR	DIN Connector without Diode	
520 to 521	Not Used			
522	3990001	1	Diode (Caterpillar Engines Only)	
523	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)	
524	Not Used			
525	4460539	1	Connector, Male - 3 Position	
	4460944	3	Socket, Female	
526 to 527	Not Used			

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
528	4460460	1	Plug, Male - 4 Position	
	4460457	4	Terminal, Female	
	4460458	4	Seal, Terminal	
529 to 532	Not Used			
533	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)	
534 to 537	Not Used			
538	4460891	2	Connector, Male - 2 Position (Caterpillar Engine Only)	
	4460465	4	Socket, Female	
539	4460871	AR	Socket, Female	
	4460226	AR	Socket, Female	
540 to 546	Not Used			
547	4461121	1	Plug, Male - 4 Position (GM Engine Only)	
	4461122	4	Socket, Female (GM Engine Only)	
	4461123	4	Seal, Terminal (GM Engine Only)	
548	4460899	1	Receptacle, Female - 6 Position (Caterpillar Engine Only)	
	4460464	6	Pin, Male (Caterpillar Engine Only)	
	4460466	1	Seal, Plug (Caterpillar Engine Only)	
549	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)	
550 to 551	Not Used			
552	4460268	2	Socket, Female	
553	4460374	1	Connector, Relay (Deutz Engine Only)	
	4460375	4	Terminal, Female (Deutz Engine Only)	
554	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)	
555 to 557	Not Used			
558	1001102290	1	Receptacle, Female - 2 Position (Deutz Engine Only)	
	1001102291	2	Socket, Female (Deutz Engine Only)	
	1001102304	2	Seal, Terminal (Deutz Engine Only)	
559 to 560	Not Used			
561	4461157	1	Receptacle, Female - 2 Position	
	4460979	2	Pin, Male	
	4460458	2	Seal, Terminal	
562	2902443	1	Receptacle Kit (Deutz Engine Only)	
	4461071	8	Socket, Female (Gold)	
	4461072	1	Receptacle 8 Position with Mounting Flange	
	4461073	1	Cap, Dust	
	4461074	1	Shell	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STANDARD HARNESS COMPONENTS	
601	1001112762 2902401 2902533	1	Battery Cable Kit Options: Caterpillar Engines Deutz Engines GM Engines	A
601A	7027028 1001116288 7027015	1	Cable, Battery (Red) Options: Caterpillar Engines (Kit p/n 1001112762) (Includes Item 601E) Deutz Engines (Kit p/n 2902401) (was p/n 7027027) (Includes Item 601E) GM Engines (Kit p/n 2902533)	
601B	7027029 7027004 7027018	1	Cable, Battery (Black) Options: Caterpillar Engines (Kit p/n 1001112762) Deutz Engines (Kit p/n 2902401) GM Engines (Kit p/n 2902533)	
601C	7027030 7016824 7016824	1	Cable, Battery (Red) Options: Caterpillar Engines (Kit p/n 1001112762) Deutz Engines (Kit p/n 2902401) GM Engines (Kit p/n 2902533)	
601D	7027031 7016825 7016825	1	Cable, Battery (Black) Options: Caterpillar Engines (Kit p/n 1001112762) Deutz Engines (Kit p/n 2902401) GM Engines (Kit p/n 2902533)	
601E	See Note See Note 7027017	1	Cable, Battery (Red) Options: Caterpillar Engines (Kit p/n 1001112762) (Note: Use Item 601A) Deutz Engines (Kit p/n 2902401 (Note: Use Item 601A)) GM Engines (Kit p/n 2902533)	
602	1001112071 70004318 70004319 70004316 70004317	1 1 3 1 2	Harness, Caterpillar Engine Fuse 5 Amp (at Fuse Box F1) Fuse 10Amp (at Fuse Box F2, F3 & F4) Relay, Starter (at Fuse Box) Relay, Shut-Off & Glow Plug Control 25Amp (at Fuse Box)	B
602A	70020808 4460871	1 16	Plug, Male 23 Position Socket, Female	
602B	4460891 4460465	2 4	Plug, Male 2 Position Socket, Female	
602C	See Note See Note See Note See Note 4460916	1 2 1 1 6	Connector 8 Position (Note: Not Available for Purchase.) Terminal (Note: Not Available for Purchase.) Lock (Note: Not Available for Purchase.) Cap (Note: Not Available for Purchase.) Seal, Plug	
602D	4460894 4460465 4460466	1 5 1	Plug, Male 6 Position Socket, Female Plug, Seal	
602E	See Note See Note	1 3	Connector 3 Position (Note: Not Available for Purchase.) Terminal (Note: Not Available for Purchase.)	

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
602F	See Note	1	Connector 5 Position (Note: Not Available for Purchase.)	
	See Note	5	Terminal (Note: Not Available for Purchase.)	
	See Note	AR	Seal (Note: Not Available for Purchase.)	
603	See Note	AR	Deutz Engine Harness Components (Deutz Engine Machines Only) (Note: Not Available for Purchase.)	
603A	7027796	1	Deutz Engine Harness	
603B	See Note	1	Receptacle, Female - 25 Position (Note: Not Available for Purchase.)	
603C	7027793	1	Plug-In, Connector	
603D	70001872	1	Deutz Engine Harness (For other replacement parts refer to Deutz Engine dealer)	
603E	4923379	1	Deutz Glow Plugs Harness	
603F	1060904	1	Deutz Jumper Harness	
604	See Note	1	Pump Harness (Note: Not Available for Purchase.)	
604A	7007497	1	Plug (Pump End)	
604B	7007498	1	Plug (Engine Harness End)	
605	4360517	1	Proximity Switch Harness (Includes Switch)	
605A	4460320	1	Plug, Male 2 Position	
	4460227	2	Pin, Male	
606	0257887	1	Alarm Harness (Includes Alarm)	
606A	4460424	1	Plug, Male - 2 Position	
	4460268	2	Socket, Female	
607	4360498	2	Proximity Switch Harness (Includes Switch)	
608	4360499	2	Proximity Switch Harness (Includes Switch)	
609	1001094400	Ref	Tilt Sensor Harness (Includes Sensor)	C
609A	4461077	1	Plug, Male 4 Position	
	4460918	6	Socket, Female (Gold)	
610		1	GM Engine Harness Options:	
	7027991		Tier 1 Engines	
	70000718		Tier 2 Engines	
	70002898		Tier 3 & 4 interim	
	7027989	1	Connector, Male - 10 Position (Not Shown)	
	See Note	1	Box, Fuse (Note: Parts of Harness - Not Available for Purchase)	
	70002627	1	Cover, Fuse Box	
	70001950	2	Relay (Power & Fuel Pump)	
	70001951	1	Relay (Starter)	
	70001931	1	Fuse - 60 Amp (Alternator)	
	See Note	1	Fuse - 20 Amp (Note: Not Available - Purchase Locally)	
	See Note	3	Fuse - 15 Amp (Note: Not Available - Purchase Locally)	
	See Note	1	Fuse - 10 Amp (Note: Not Available - Purchase Locally)	
	See Note	1	Fuse - 5 Amp (Note: Not Available - Purchase Locally)	
		Ref	OPTIONAL HARNESS COMPONENTS	
701	4921928	1	4WS Valve Harness	E
701A	4460268	3	Socket, Female	
701B	4460445	1	Connector, Female - 3 Position	
701C	4460499	2	Connector, DIN with Diode	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
702	4921927	1	Jib Valve Harness (800AJ Only)	F
702A	4460326	1	Plug, Male - 3 Position	
702B	4460267	3	Pin, Male	
702C	4460499	2	Connector, DIN with Diode	
703	0272507	1	Strobe Light Harness (Includes Strobe Light)	
703A	4460320	1	Connector, Female - 2 Position	
	4460267	2	Pin, Male	
704			2500W AC to Platform Receptacle Components Options:	
	0272259	Ref	110V GFI Receptacle (JLG Supplied Box & Receptacle)	3
	0272260	Ref	220V GFI Receptacle (JLG Supplied Box & Receptacle)	2
	0256202	Ref	110/220V Receptacle (Locally Supplied Box & Receptacle)	5
	0274619	Ref	Dual 110V GFI Receptacles (JLG Supplied Box & Receptacle) (Note: Double qty listed for Dual Receptacles)	2/B
	0272433	Ref	Mid Boom Connection Only/No Receptacle (Includes Items 211A & 211B)	B
704A	0860038	1	Box, Switch	
704B		1	Receptacle Options:	
	4460346		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460125		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
704C		1	Shield, Cover Options:	
	4060700		110V GFI Receptacle (Side Hinged) (JLG Supplied Box & Receptacle)	
	1001110873		110V GFI Receptacle (Top Hinged) (JLG Supplied Box & Receptacle)	
	4060092		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
704D	4460051	1	Connector, Strain Relief	
704E		1	Plug, Male Options:	
	4460205		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460233		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
704F		1	Connector, Female Options:	
	4460134		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460701		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
704G		1	Plug, Male Options:	
	4460205		110V GFI Receptacle (JLG Supplied Box & Receptacle)	
	4460233		220V GFI Receptacle (JLG Supplied Box & Receptacle)	
	See Note		110/220V Receptacle (Locally Supplied Box & Receptacle) (Note: Not Available - Purchase Locally.)	
704H-704P	Not Required			
705	Not Used			
706		AR	2500W Generator Electrical Components	
	1001112743		50Hz (Caterpillar & Deutz Engines)	A
	1001112588		60Hz (Caterpillar & Deutz Engines)	A
	4933350		60Hz (GM Engine)	B

SECTION 7 ELECTRICAL

FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
706A	4922641	1	Harness - On/Off Switch	A
706B	4460226	2	Socket, Female	
706C		1	Harness, Powermite Control Box to Relay Options:	
	1001112589		Caterpillar & Deutz Engines	A
	4923445		GM Engine	A
706D	4460374	1	Connector, Seal Relay	
	4460705	4	Terminal	
706E	4460742	1	Connector, Male - 2 Position	
	4460743	2	Socket, Female	
	4460458	2	Seal	
706F	4460321	1	Connector, Male - 4 Position (60Hz Only)	
	4460906	4	Socket, Female (60Hz Only)	
706G	4460027	1	Receptacle, Twist Lock (110V Only)	
706H	7020193	1	Harness, Generator Power	
706J	4460961	1	Connector, Female - 4 Position	
	4460705	4	Pin, Male	
707	4921829	1	Generator to Rear of Boom Harness (110V)	
	4921955	1	Generator to Rear of Boom Harness (220V)	
		Ref	Note: Harness used to connect AC at platform harness to generator receptacle to power platform receptacle.	
	1060494	6ft/1.8m	Cable, Electrical - 12/3	
707A	4460205	1	Plug, Male (110V)	
	4460233	1	Plug, Male (220V)	
707B	4460134	1	Receptacle, Female (110V)	
	4460701	1	Receptacle, Female (220V)	
708	1001094509	1	Generator Hourmeter Harness	A
709		Ref	7500W SkyPower Generator Installation	
	1001115398	Ref	60Hz Spec& Caterpillar Engine	A
	1001115400	Ref	50Hz Spec & Caterpillar Engine	A
	1001115387	Ref	60Hz Spec& Deutz Engine	A
	1001115389	Ref	50Hz Spec & Deutz Engine	A
	0275257	Ref	60Hz Spec & GM Engine	C
		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)	
	1001110873		60Hz Spec (Top Hinged)	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
709D		1	Cover, Receptacle Options:	
	Use 1001110872		60Hz Spec (was p/n 4061043)	
	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	

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FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
709E	4460346 See Note	1	Receptacle Options: 60Hz Spec 50Hz Spec (Note: Not Available - Purchase Locally.)	A
709F	4460051	1	Connector, Strain Relief	
709G	4460071	1	Connector, Strain Relief	
709H	4922925	1	Harness, Generator	
709J	4460225	1	Plug, Male - 6 Position	
709K	4460226	6	Socket, Female	
	See Note	1	Plug, Male - 6 Position (Note: Not Available for Purchase.)	
710	See Note	6	Socket, Female (Note: Not Available for Purchase.)	
		Ref	7500W SkyPower Generator Junction Box Components	
	0861542	Ref	60Hz Spec	
710A	0861567	Ref	50Hz Specs	C B
		2ft/.6m	Cable, Electrical 12/3	
	1060494		60Hz Spec	
710B	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
		2.5ft/.76m	Cable, Electrical 10/3	
	1060708		60Hz Spec	
710C	See Note		50Hz Spec (Note: Not Available - Purchase Locally.)	
	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)	C 1/A
	4460963	1	Connector (60Hz Spec Only)	
711		Ref	7500W Generator Electrical Diagram Components	
	1001112586	Ref	Caterpillar & Deutz Engine Machines	
	4933349		GM Engine Machines	
711A		1	Generator Harness Options:	
	1001112587		Caterpillar & Deutz Engine Machines	
	4923420		GM Engine Machines	
711B	4460374	2	Plug, Sealed Relay	
	4460375	AR	Terminal	
711C	4460967	1	Plug, Male - 3 Position	A 1/A
	4460465	3	Socket, Female	
711D	2400060	1	Fuseholder	
	2400064	1	Fuse - 5 Amp	
711E	4460742	1	Connector, Male - 2 Position	
	4460743	2	Socket, Female	
	4460458	2	Seal	
711F	4922641	1	Switch Harness	
711G	4460226	2	Socket, Female	
712	See Note	1	Lights Harness (Note: Not Available for Purchase.)	A
	1060341	48ft/14.6m	Cable, Electrical - 16/2	
712A	3740049	1	Relay	

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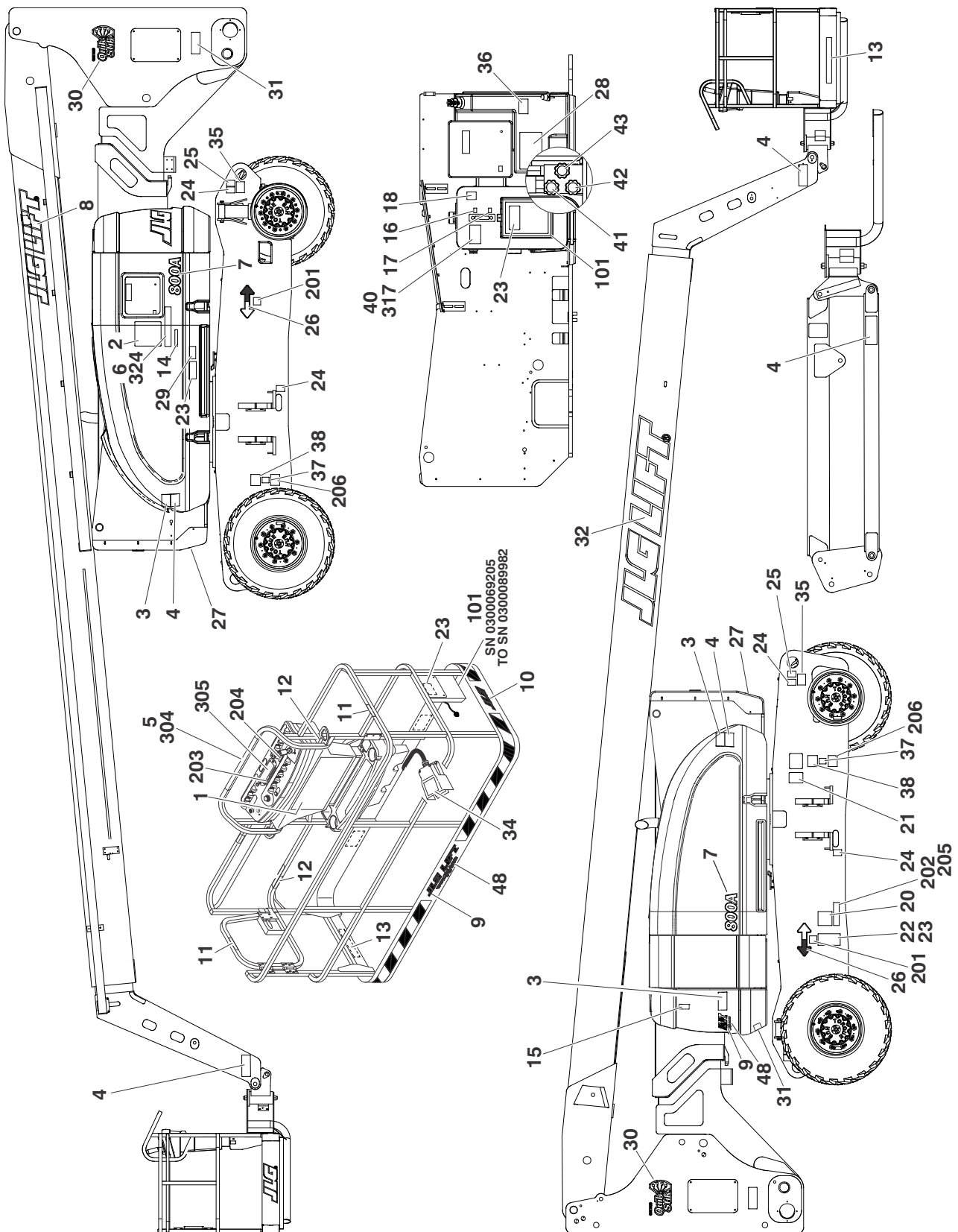
FIGURE 7-3. HARNESS COMPONENTS INSTALLATION WITH UGM (CONTINUED)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
712B	4922643	1	Harness, Bagged (Located at Ground Control Box) (Not Shown)	1/A
713		Ref	Platform Worklights Components	
713A		2	Platform Worklights Harness (External) Options (Includes Light and Wire Only):	
	2920140		Non-UL Spec Machines	
	2920095		UL Machines	
713B	1001098234	AR	Connector, Female - 3 Position	
713C	1001098349	1	Connector, Male - 3 Position (Platform Worklights Only)	
713D		1	Connector, Strain Relief Options:	
	4460426		Non-UL Spec Machines	
	4460598		UL Machines	
713E	2400068	AR	Fuseholder (Non-UL Spec Machines Located at Aux Power Relay & UL Spec Machines Located at Platform Console)	
	2400070	AR	Fuse - 10 Amp (Non-UL Spec Machines Located at Aux Power Relay & UL Spec Machines Located at Platform Console)	
713F		1	Platform Worklights Main Boom Harness Options:	
	4922215		800A	
	4922216		800AJ	
713F cont'd	1060708		Cable, Electrical - 10/3 Options:	
		67ft/20.4m	800A	
		64ft/19.5m	800AJ	
713G	4922217	1	Platform Worklights Tower Boom Harness	
	1060708	39ft/11.9m	Cable, Electrical - 10/3	
714	See Note	1	Soft-Touch System Harness (Note: Not Available for Purchase.)	
714A	1060341	23ft/7.1m	Cable, Electrical - 16/2	
714B		1	Connector, Strain Relief Options:	
	4460425		6ft Platforms	
	4460049		8ft Platforms	
714C	4460226	2	Socket, Female	
		Ref	TOOLS	
801	7002821	1	Crimper (For Wire to Pin/Socket Connections) (Not Shown)	
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)	
	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors) (Not Shown)	
804	7002828	1	Stripper, Wire (Not Shown)	
805	1600244	1	Analyzer	
805A	1060633	1	Cable, Analyzer	
805B	4460321	2	Plug, Male	
	4460226	8	Socket, Female	

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FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (SN 0300069000 TO SN 0300089982)



SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	STANDARD DECAL INSTALLATIONS	
	0271038	Ref	JLG Logo	3
	0258513	Ref	800A	10
	0258514	Ref	800AJ	10
	0258706	Ref	MANUAL DESCENT DECALS INSTALLATION	1
1	1703797	1	Decal - Danger/Warning	
2	1703798	1	Decal - Danger/Warning	
3	1703805	2	Decal - Danger/Electrocution	
4	1703804	4	Decal - Warning/Crushing	
5	Use 1707110	1	Decal - Legend (was p/n 1702784)	
6	Use 1001095809	1	Decal - Legend (was p/n 1703808)	
7		2	Decal - Model Options:	
	1703772		800A	
	1703773		800AJ	
8		1	Decal - JLG Lift Options:	
	1702860		Decal - JLG Lift (5in) (SN 0300069000 to SN 0300070119)	
	1702861		Decal - JLG Lift (8in) (SN 0300070119 to SN 0300089982)	
9	1702774	2	Decal - JLG Lift (3-1/2in)	
10	1702773	2	Decal - JLG (5in)	
11	1702868	2	Decal - - No Hands	
12	1704277	AR	Decal - Attach Lanyard Here	
13		2	Decal - 500LBS Max Capacity Options:	
	1704096		800A	
	1701645		800AJ	
14		1	Decal - 500LBS Max Capacity Options:	
	1704104		800A	
	1702688		800AJ	
15	3251813	1	Decal - USA	
16	1701502	1	Decal - High Oil Level	
17	1701503	1	Decal - Low Oil Level	
18	1701504	1	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	4	Decal - Tie Down /Lift	
25	1701500	4	Decal - Tie Down /Lift	
26	1701501	4	Decal - Arrow	
27		1	Nameplate - 120V-60Hz	
	3251243		110V	
	3252507		220V	
28	1703954	1	Decal - Manual Descent	
29	1702901	1	Decal - Manual Descent Instructions Inside	
30	1703959	2	Decal - Quik Stik	
31	1703953	3	Decal - Warning/Crushing	
32	1702862	1	Decal - JLG Lift	

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FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
33	3820001	4	Rivet	B
34	3252347	1	Decal - Footswitch (Part of 4360031 Footswitch)	
35	1703960	4	Decal - Max Tire Load	
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	Not Used			
40	Use 1001096141	1	Decal - Upright Level Override (was p/n 1702265)	
41	1702903	1	Decal - Knob #1	
42	1702927	1	Decal - Knob #2	
43	1702924	1	Decal - Knob #3	
44 to 47	Not Used			
48	1704885	2	Decal - Website	
	0258671	Ref	MANUAL STORAGE BOX INSTALLATION	
		Ref	Note: Located on Hydraulic Tank SN 0300069000 to SN 0300069205. Located on Platform SN 0300069205 to SN 0300089982.	
101	0860520	1	Box, Manual Storage	
	1060279	1	Cable, Lanyard	
	0641408	1	Bolt 1/4in-20NC x 1in	
	0641406	1	Bolt 1/4in-20NC x 3/4in	
	4751400	6	Flatwasher 1/4in	
	3311405	5	Locknut 1/4in-20NC	
	0272708	Ref	UL DECAL INSTALLATION (DUAL FUEL MACHINES)	4
	0274195	Ref	UL DECAL INSTALLATION (LPS MACHINES)	2
201	1703910	2	Decal - GS/LPS	C
202	See Note	1	Nameplate - Serial Number (Note: Not Available for Purchase.)	
203	1703912	1	Decal - Fuel Level	
204	1705533	1	Decal - Fuel Shutoff	
205	3820001	4	Rivet, Pop	
206	1705590	2	Decal - LP Tank Identification	
	1001093187	Ref	TILT SENSOR INSTALLATION	
301 to 303	Not Used			
304	1707110	1	Decal - Legend (Platform)	
305	1707111	1	Decal - Platform Display	
306 to 316	Not Used			
317	1001096141	1	Decal - Upright Level Over Ride	
318 to 323	Not Used			

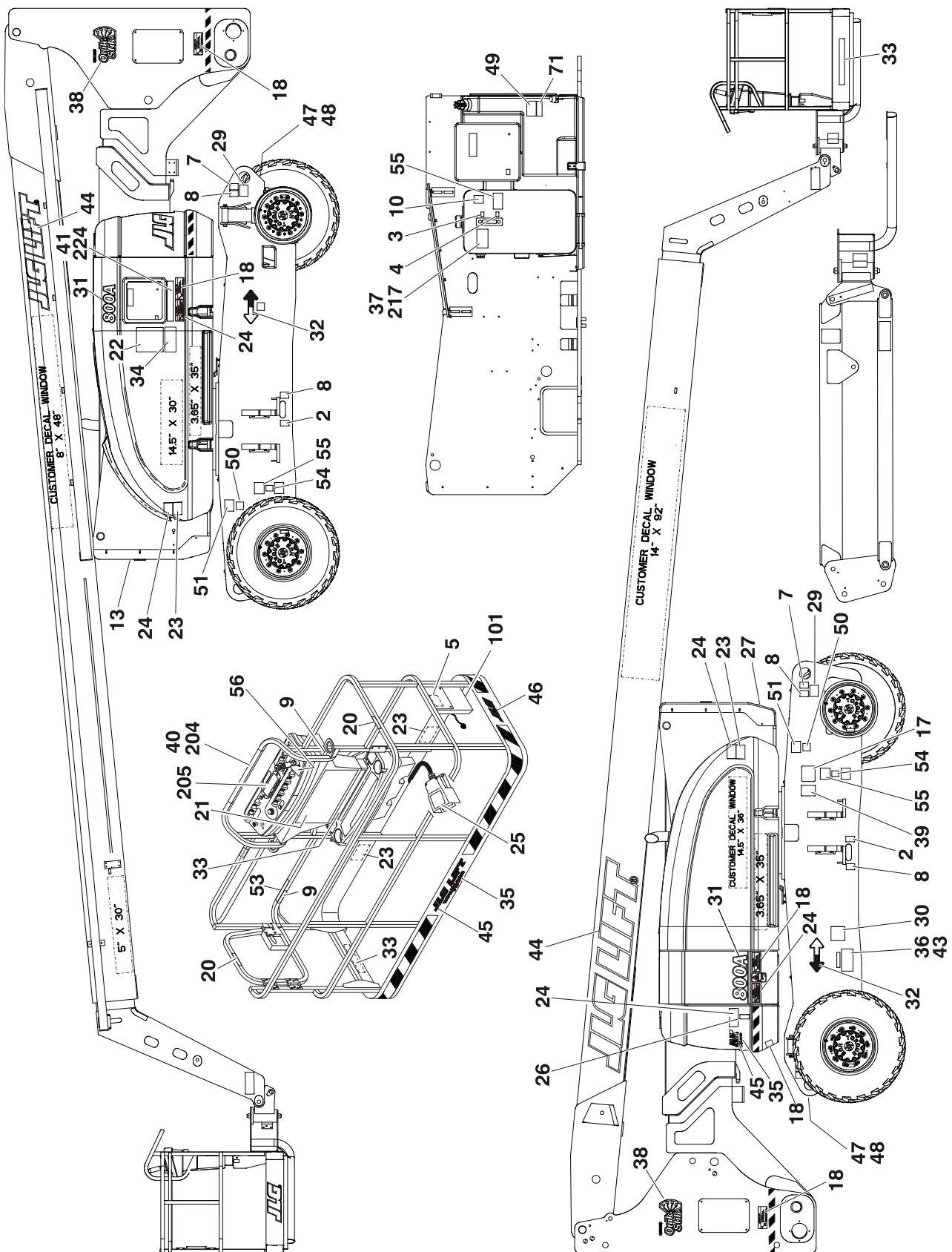
SECTION 8 DECALS

FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
324	1001095809	1	Decal - Legend (MTB Control)	

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FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300089982 TO SN 0300140000)



SECTION 8 DECALS

FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DECALS INSTALLATIONS	
	0274519	Ref	Decals Installation - JLG Logo	2
	0274460	Ref	Decals Installation - 800A	8
	0274461	Ref	Decals Installation - 800AJ	8
		Ref	Note: All Machines should have been updated to new Tilt Sensor Upright Installation p/n 0275733.	
1	Not Used			
2	1701499	2	Decal - No Tie Down/Lift	
3	1701502	1	Decal - High Oil Level (SN 0300089982 to SN 0300134564)	
4	1701503	1	Decal - Low Oil Level (SN 0300089982 to SN 0300134564)	
5	1701509	1	Decal - Manual	
6	Not Used			
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	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 0300089982 to SN 0300134564)	
18	1703953	5	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	5	Decal - Danger Electrocution	
25	Not Used			
26	3251813	1	Decal - USA	
27 to 28	Not Used			
29	2902353	1	Kit, Decal Max Tire Load (Includes Qty 4 of p/n 1703960)	1
	1703960	4	Decal - Max Tire Load	
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase.)	
31		2	Decal Options:	
	1703772		Decal - 800A	
	1703773		Decal - 800AJ	
32	1701501	4	Decal - Arrow	
33		2	Decal Capacity Options:	
	1704096		800A - Decal - 500LBS Unrestricted Capacity	
	1701645		800AJ - Decal - 500LBS Maximum Capacity	
34		1	Decal Capacity Options:	
	1704104		800A - Decal - 500LBS Unrestricted Capacity (SN 0300089982 to SN 0300100380)	
	1707014		800A - Decal - 500LBS Unrestricted Capacity (SN 0300100380 to SN 0300140000)	
	1702688		800AJ - Decal - 500LBS Maximum Capacity (SN 0300089982 to SN 0300100380)	
	1707013		800AJ - Decal - 500LBS Maximum Capacity (SN 0300100380 to SN 0300140000)	

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FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
35	1704885	2	Decal - Website	
36	See Note	1	Nameplate, Manufactures (Note: Not Available for Purchase.)	
37	1001096141	1	Decal - Upright Level Override	
38	1703959	2	Decal - Quik Stik	
39	1700584	1	Decal - Patent	
40		1	Decal - Legend Options:	
	1707110		SN 0300069000 to SN 0300137975	
	1001108495		SN 0300137975 to SN 0300140000	
41	1001095809	1	Decal - Legend (MTB)	
42	Not Used			
43	3820001	4	Rivet	
44	1702861	2	Decal - JLG Lift (8in Height)	
45	1702774	1	Decal - JLG Lift (3-1/2in Height)	
46	1702773	1	Decal - JLG (5in Height)	
47	3250872	1	Nameplate - Steer/Tow Selector	
48	1705090	1	Decal - Towing Instructions	
49		1	Decal - Fuel	
	1701505		Diesel	
	1701542		Gas	
50	1701543	2	Decal - LP Gas (GM Engine Machines Only)	
51	1700818	2	Decal - LP Gas (Liquid) (GM Engine Machines Only)	
52	Not Used			
53	1703175	1	Decal - Lanyard Attach (GM Spec Only)	
54		1	Decal - Warning (Proposition 65) (California Spec Only)	
	1702962		Diesel	
	1702961		Gas	
55	1702788	1	Decal - Bio Hydraulic Fluid	
56	1705351	1	Decal - Drive Orientation	
57 to 70	Not Used			
71	1001108923	1	Decal - Low Sulfur Fuel (Caterpillar & Deutz Engine Machines)	
	2902303	1	Master Decal Kit (Includes Items 2, 5-13)	3
	2902307	1	ANSI Decal Kit (Includes Items 18-26)	5
	0258671	Ref	MANUAL STORAGE BOX INSTALLATION	B
101	0860520	1	Box, Manual Storage	
	1060279	1	Cable, Lanyard	
	0641408	1	Bolt 1/4in-20NC x 1in	
	0641406	1	Bolt 1/4in-20NC x 3/4in	
	4751400	6	Flatwasher 1/4in	
	3311405	5	Locknut 1/4in-20NC	
	1001093187	Ref	TILT SENSOR INSTALLATION (SN 0300089982 TO SN 0300112885)	
201 to 203	Not Used			
204	1707110	1	Decal - Legend (Platform)	
205	1707111	1	Decal - Platform Display	
206 to 216	Not Used			

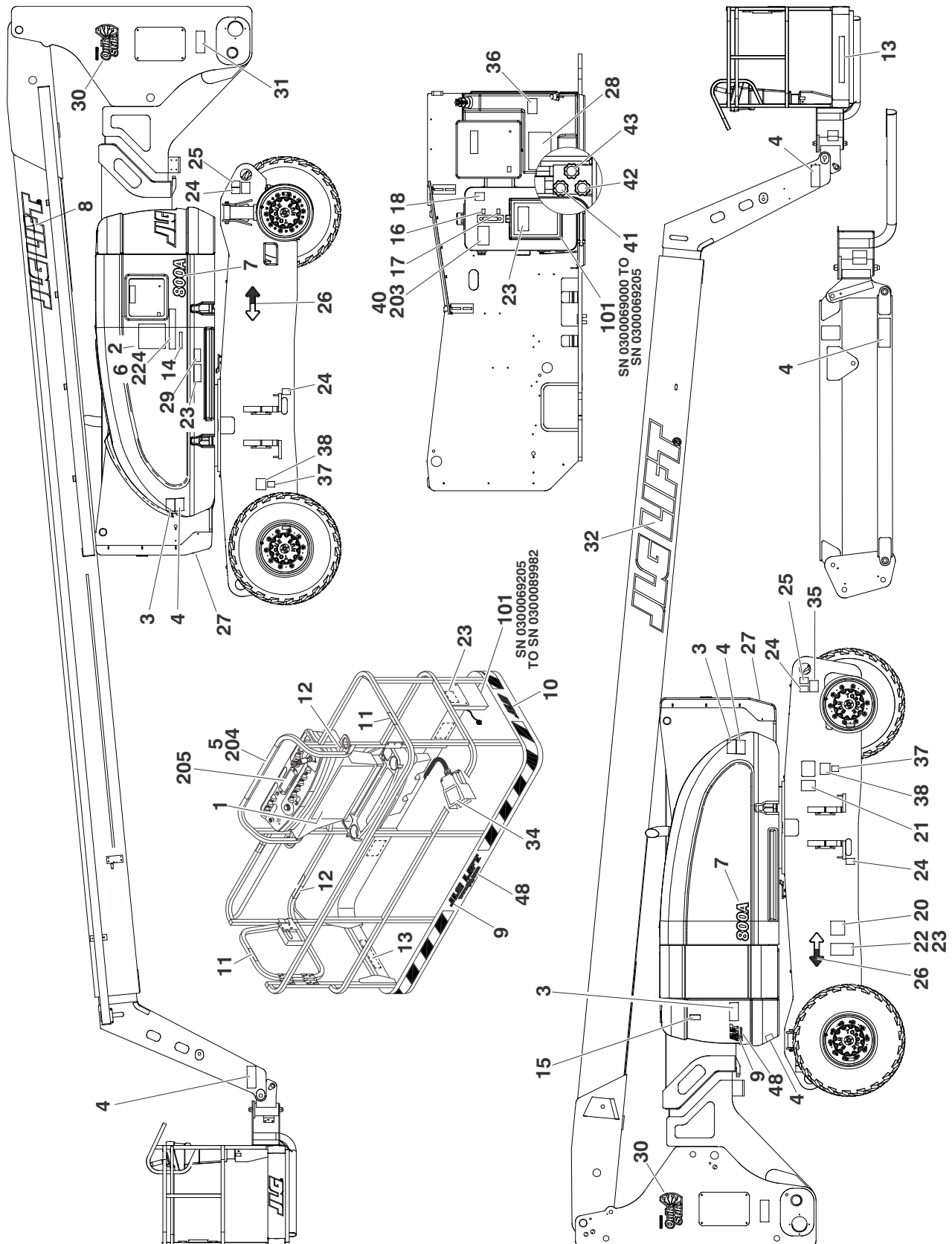
SECTION 8 DECALS

FIGURE 8-2. DECAL INSTALLATION (ANSI SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
217	1001096141	1	Decal - Upright Level Over Ride	
218 to 223	Not Used			
224	1001095809	1	Decal - Legend (MTB Control)	

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300069000 TO SN 0300089982)



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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DECAL INSTALLATIONS	
	0271038	Ref	JLG Logo	3
	0258537	Ref	800A Dual Language English/Chinese Decals	6
	0258535	Ref	800A Dual Language English/French Decals	9
	0258533	Ref	800A Dual Language English/Spanish Decals	7
	0258539	Ref	800A Dual Language Portuguese/Spanish Decals	8
	0258529	Ref	800A Japanese Decals	7
	0258531	Ref	800A Korean Decals	7
	0258538	Ref	800AJ Dual Language Chinese/English Decals	6
	0258536	Ref	800AJ Dual Language English/French Decals	10
	0258534	Ref	800AJ Dual Language English/Spanish Decals	7
	0258540	Ref	800AJ Dual Language Portuguese/Spanish Decals	8
	0258530	Ref	800AJ Japanese Decals	7
	0258532	Ref	800AJ Korean Decals	7
1		1	Decal - Danger/Warning Options:	
	1703925		Dual Language English/Chinese Decals	
	1703924		Dual Language English/French Decals	
	1703923		Dual Language English/Spanish Decals	
	1703928		Dual Language Portuguese/Spanish Decals	
	1703926		Japanese Decals	
	1703927		Korean Decals	
2		1	Decal - Danger/Warning Options:	
	1703931		Dual Language English/Chinese Decals	
	1703930		Dual Language English/French Decals	
	1703929		Dual Language English/Spanish Decals	
	1703934		Dual Language Portuguese/Spanish Decals	
	1703932		Japanese Decals	
	1703933		Korean Decals	
3		3	Decal - Danger/Electrocution Options:	
	1703937		Dual Language English/Chinese Decals	
	1703936		Dual Language English/French Decals	
	1703935		Dual Language English/Spanish Decals	
	1703940		Dual Language Portuguese/Spanish Decals	
	1703938		Japanese Decals	
	1703939		Korean Decals	
4		5	Decal - Warning/Crushing Options:	
	1703949		Dual Language English/Chinese Decals	
	1703948		Dual Language English/French Decals	
	1703947		Dual Language English/Spanish Decals	
	1703952		Dual Language Portuguese/Spanish Decals	
	1703950		Japanese Decals	
	1703951		Korean Decals	
5		1	Decal - Legend Options:	
	Not Required		Dual Language English/Chinese Decals	
	Use 1707110		Dual Language English/French Decals (was p/n 1702784)	
	Use 1707110		Dual Language English/Spanish Decals (was p/n 1702784)	
	Not Required		Dual Language Portuguese/Spanish Decals	

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
5 (cont'd)	Not Required		Japanese Decals	
	Not Required		Korean Decals	
6	Not Required	1	Decal - Legend Options:	
	Use 1001095809		Dual Language English/Chinese Decals	
	Use 1001095809		Dual Language English/French Decals (was p/n 1703808)	
	Not Required		Dual Language English/Spanish Decals (was p/n 1703808)	
	Not Required		Dual Language Portuguese/Spanish Decals	
	Not Required		Japanese Decals	
	Not Required		Korean Decals	
7	1703772	2	Decal - Model Options:	
	1703773		800A	
			800AJ	
8	1702860	1	Decal - JLG Lift Options:	
	1702861		Decal - JLG Lift (5in) (SN 0300069000 to SN 0300070119)	
			Decal - JLG Lift (8in) (SN 0300070119 to SN 0300089982)	
9	1702774	2	Decal - JLG Lift (3-1/2in)	
10	1702773	2	Decal - JLG (5in)	
11		2	Decal - No Hands Options:	
	Not Required		Dual Language English/Chinese Decals	
	1704000		Dual Language English/French Decals	
	1704001		Dual Language English/Spanish Decals	
	1704002		Dual Language Portuguese/Spanish Decals	
	Not Required		Japanese Decals	
	Not Required		Korean Decals	
12	1704277	AR	Decal - Attach Lanyard Here	
13		2	Decal - 500LBS Max Capacity Options:	
	1704101		800A Dual Language English/Chinese Decals	
	1703996		800AJ Dual Language English/Chinese Decals	
	1704099		800A Dual Language English/French Decals	
	1703996		800AJ Dual Language English/French Decals	
	1704098		800A Dual Language English/Spanish Decals	
	1703996		800AJ Dual Language English/Spanish Decals	
	1704100		800A Dual Language Portuguese/Spanish Decals	
	1703996		800AJ Dual Language Portuguese/Spanish Decals	
	1704102		800A Japanese Decals	
	1703996		800AJ Japanese Decals	
	1704103		800A Korean Decals	
	1703996		800AJ Korean Decals	
14		1	Decal - 500LBS Max Capacity Options:	
	1704109		800A Dual Language English/Chinese Decals	
	1704112		800AJ Dual Language English/Chinese Decals	
	1704107		800A Dual Language English/French Decals	
	1704112		800AJ Dual Language English/French Decals	
	1704106		800A Dual Language English/Spanish Decals	
	1704112		800AJ Dual Language English/Spanish Decals	
	1704108		800A Dual Language Portuguese/Spanish Decals	
	1704112		800AJ Dual Language Portuguese/Spanish Decals	
	1704110		800A Japanese Decals	
	1704112		800AJ Japanese Decals	

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FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
14 (cont'd)	1704111		800A Korean Decals	
	1704112		800AJ Korean Decals	
15	Not Required	1	Decal - USA Options:	
	3251813		Dual Language English/Chinese Decals	
	3251813		Dual Language English/French Decals	
	3251813		Dual Language English/Spanish Decals	
	3251813		Dual Language Portuguese/Spanish Decals	
	Not Required		Japanese Decals	
	Not Required		Korean Decals	
16	1701502	1	Decal - High Oil Level	
17	1701503	1	Decal - Low Oil Level	
18	1701504	1	Decal - Hydraulic Oil	
19		1	Decal - Inspection Options:	
	Not Required		Dual Language English/Chinese Decals	
	1704006		Dual Language English/French Decals	
	1704007		Dual Language English/Spanish Decals	
	1704008		Dual Language Portuguese/Spanish Decals	
	Not Required		Japanese Decals	
	Not Required		Korean Decals	
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 - 110V/220V Options:	
	Not Required		110V - Dual Language English/Chinese Decals	
	3251243		110V - Dual Language English/French Decals	
	3251243		110V - Dual Language English/Spanish Decals	
	3251243		110V - Dual Language Portuguese/Spanish Decals	
	Not Required		110V - Japanese Decals	
	Not Required		110V - Korean Decals	
	3252507		220V - All Specs	
28		1	Decal - Manual Descent Options:	
	1703965		Dual Language English/Chinese Decals	
	1703964		Dual Language English/French Decals	
	1703963		Dual Language English/Spanish Decals	
	1703968		Dual Language Portuguese/Spanish Decals	
	1703966		Japanese Decals	
	1703967		Korean Decals	
29		1	Decal - Manual Descent Instructions Inside Options:	
	1704121		Dual Language English/Chinese Decals	
	1704116		Dual Language English/French Decals	
	1704117		Dual Language English/Spanish Decals	
	1704118		Dual Language Portuguese/Spanish Decals	
	1704119		Japanese Decals	
	1704120		Korean Decals	
30	1703959	2	Decal - Quik Stik	

SECTION 8 DECALS

FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
31	1703943 1703942 1703941 1703946 1703944 1703945	3	Decal - Warning/Crushing Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language Portuguese/Spanish Decals Japanese Decals Korean Decals	
32	1702862	1	Decal - JLG Lift	
33	3820001	8	Rivet	
34	1703982 1703984 1703983 1703985 1703980 1703981	1	Decal - Footswitch Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language Portuguese/Spanish Decals Japanese Decals Korean Decals	
35	Not Required 1703960 Not Required Not Required 1703960 1703960	1	Decal - Maximum Tire Load Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language Portuguese/Spanish Decals Japanese Decals Korean Decals	
36	1701542 1701505	1	Decal - Fuel Ford Engine Machines Deutz Engine Machines	
37	Not Required 1701543	AR 0 1	Decal - LPG Gas Non-Dual Fuel Machines Dual Fuel Machines	
38	Not Required 1704271 1700818 1702720	AR 0 1 1 1	Decal - LP Gas Liquid Withdrawal System Non-Dual Fuel Machines Dual Language English/French Decals Dual Fuel Machines except Portuguese/Spanish Decals Dual Fuel Machines with Portuguese/Spanish Decals	
39	1705514	1	Decal - CSA (CSA Machines Only)	
40	Use 1705977 Use 1705977 Use 1705977 Use 1705977 Use 1705977 Use 1705977	1 1 1	Decal - Upright Level Override Options: Dual Language English/Chinese Decals (was p/n 1703988) Dual Language English/French Decals (was p/n 1703990) Dual Language English/Spanish Decals (was p/n 1703989) Dual Language Portuguese/Spanish Decals (was p/n 1703991) Japanese Decals (was p/n 1703986) Korean Decals (was p/n 1703987)	
41	1702903	1	Decal - Knob #1	
42	1702927	1	Decal - Knob #2	
43	1702924	1	Decal - Knob #3	
44 to 47	Not Used			
48	1704885	2	Decal - Website	

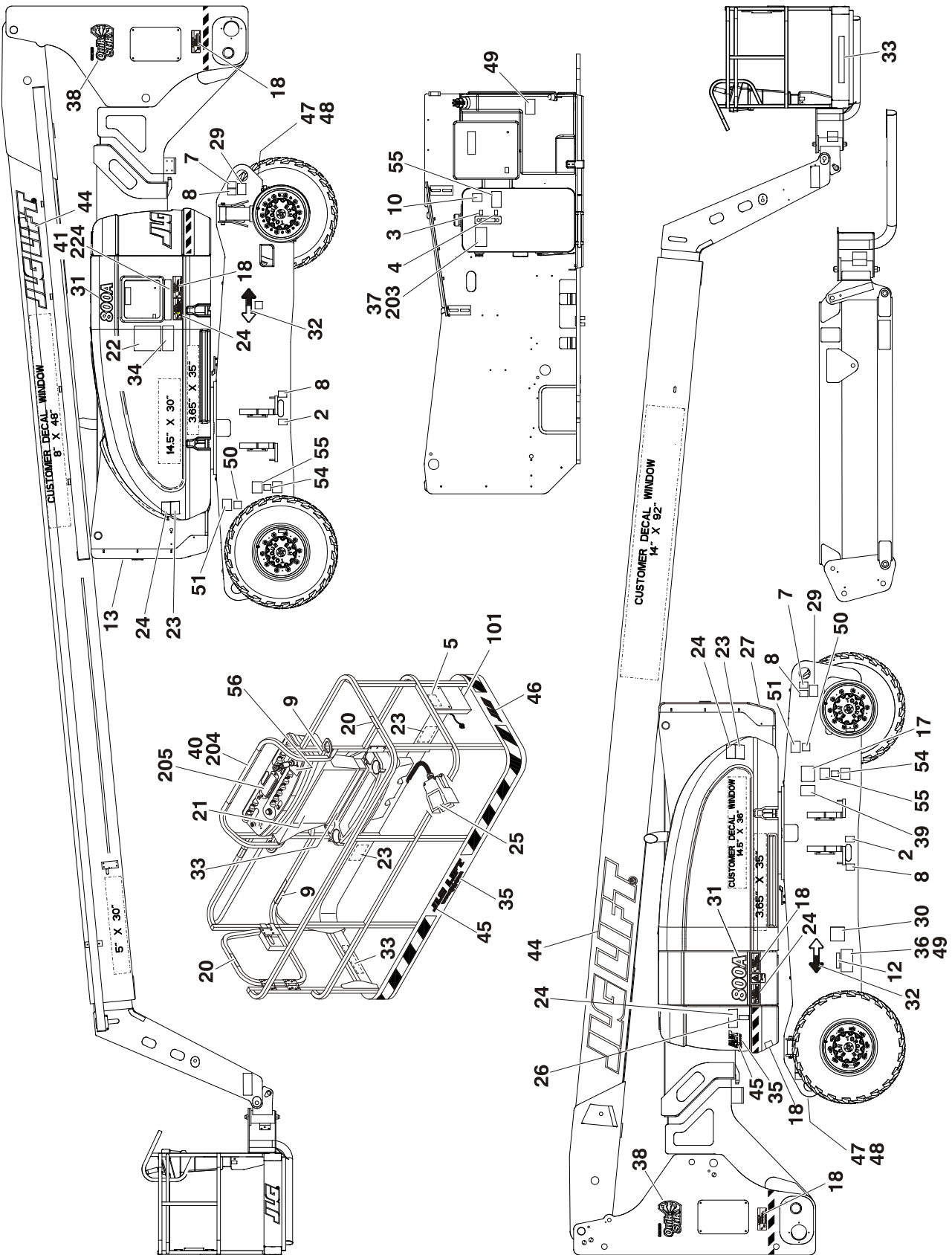
SECTION 8 DECALS

FIGURE 8-3. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300069000 TO SN 0300089982)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
101	0258671	Ref	MANUAL STORAGE BOX INSTALLATION	B
		Ref		
			Note: Located on Hydraulic Tank SN 0300069000 to SN 0300069205. Located on Platform SN 0300069205 to SN 0300089982.	
	0860520	1	Box, Manual Storage	
	1060279	1	Cable, Lanyard	
	0641408	1	Bolt 1/4in-20NC x 1in	
	0641406	1	Bolt 1/4in-20NC x 3/4in	
	4751400	6	Flatwasher 1/4in	
	3311405	5	Locknut 1/4in-20NC	
	1001093187	Ref	TILT SENSOR INSTALLATION	C
201 to 202	Not Used			
203	1705977	1	Decal - Upright Level Over Ride	
204	1707110	1	Decal - Legend (Platform)	
205	1707111	1	Decal - Platform Display	
206 to 223	Not Used			
224	1001095809	1	Decal - Legend (MTB Control)	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300089982 TO SN 0300140000)



SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	DECAL INSTALLATIONS	
	0274519	Ref	JLG Logo	2
	0274470	Ref	800A Dual Language English/Chinese Decals	7
	0274472	Ref	800A Dual Language English/French Decals	7
	0274466	Ref	800A Dual Language English/Spanish Decals	7
	0274468	Ref	800A Dual Language English/Portuguese Decals	8
	0274462	Ref	800A Dual Language English/Japanese Decals	7
	0274464	Ref	800A Dual Language English/Korean Decals	7
	0274471	Ref	800AJ Dual Language Chinese/English Decals	7
	0274473	Ref	800AJ Dual Language English/French Decals	7
	0274467	Ref	800AJ Dual Language English/Spanish Decals	7
	0274469	Ref	800AJ Dual Language English/Portuguese Decals	9
	0274463	Ref	800AJ Dual Language English/Japanese Decals	7
	0274465	Ref	800AJ Dual Language English/Korean Decals	7
		Ref	Note: All Machines should have been updated to new Tilt Sensor Upright Installation p/n 0275733.	
1	Not Used			
2	1701499	2	Decal - No Tie Down/Lift	
3	1701502	1	Decal - High Oil Level (SN 0300089982 to SN 0300134564)	
4	1701503	1	Decal - Low Oil Level (SN 0300089982 to SN 0300134564)	
5	1701509	1	Decal - Manual	
6	Not Used			
7	1703811	4	Decal - Tie Down/Lift	
8	1703814	6	Decal - Tie Down	
9	1704277	3	Decal - Attach Lanyard Here	
10	1704412	1	Decal - Hydraulic Oil Chart	
11	Not Used			
12	1705514	1	Decal - CSA (CSA Machines Only)	
13		1	Nameplate - 110V/220V Options:	
	Not Required		110V - Dual Language English/Chinese Decals	
	3251243		110V - Dual Language English/French Decals	
	3251243		110V - Dual Language English/Spanish Decals	
	3251243		110V - Dual Language English/Portuguese Decals	
	Not Required		110V - Dual Language English/Japanese Decals	
	Not Required		110V - Dual Language English/Korean Decals	
	3252507		220V - All Specs	
14 to 16	Not Used			
17		1	Decal - Inspection Options:	
	Not Required		Dual Language English/Chinese Decals	
	1704006		Dual Language English/French Decals	
	1704007		Dual Language English/Spanish Decals	
	1705901		Dual Language English/Portuguese Decals	
	Not Required		Dual Language English/Japanese Decals	
	Not Required		Dual Language English/Korean Decals	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
18	1703943 1703942 1703941 1705903 1703944 1703945	3	Decal - Warning/Crushing Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
19	Not Used			
20	1705968 1704000 1704001 1705967 Not Required 1705969	2	Decal - No Hands Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
21	1703925 1703924 1703923 1705895 1703926 1703927	1	Decal - Danger/Warning Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
22	1705348 1705347 1705917 1705896 1705344 1705345	1	Decal - Warning Inspection Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
23	1703949 1703948 1703947 1705898 1703950 1703951	6	Decal - Crushing Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
24	1703937 1703936 1703935 1705897 1703938 1703939	4	Decal - Danger/Electrocution Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
25	1703982 1703984 1703983 1705902 1703980 1703981	1	Decal - Footswitch Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
26	3251813 3251813 3251813 3251813 3251813 Not Required	1	Decal - USA Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
27 to 28	Not Used			
29	2902353	1	Kit, Decal Max Tire Load (Includes Qty 4 of p/n 1703960)	1
	1703960	4	Decal - Max Tire Load	
30	See Note	1	Decal - Bar Code (Note: Not Available for Purchase.)	
31	1703772 1703773	2	Decal Options: Decal - 800A Decal - 800AJ	
32	1701501	4	Decal- Arrow	
33	1704101 1703996 1704099 1703996 1704098 1703996 1706380 1703996 1704102 1703996 1704103 1703996 1704101 1707060 1704099 1707055 1704098 1707056 1706380 1707057 1707059 1704103 1703996	2	Decal - 500LBS Max Capacity Options: SN 0300089982 to SN 0300100380: 800A Dual Language English/Chinese Decals 800AJ Dual Language English/Chinese Decals 800A Dual Language English/French Decals 800AJ Dual Language English/French Decals 800A Dual Language English/Spanish Decals 800AJ Dual Language English/Spanish Decals 800A Dual Language English/Portuguese Decals 800AJ Dual Language English/Portuguese Decals 800A Dual Language English/Japanese Decals 800AJ Dual Language English/Japanese Decals 800A Dual Language English/Korean Decals 800AJ Dual Language English/Korean Decals SN 0300100380 to SN 0300140000: 800A Dual Language English/Chinese Decals 800AJ Dual Language English/Chinese Decals 800A Dual Language English/French Decals 800AJ Dual Language English/French Decals 800A Dual Language English/Spanish Decals 800AJ Dual Language English/Spanish Decals 800A Dual Language English/Portuguese Decals 800AJ Dual Language English/Portuguese Decals 800A Dual Language English/Japanese Decals 800AJ Dual Language English/Japanese Decals 800A Dual Language English/Korean Decals 800AJ Dual Language English/Korean Decals	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
34		1	Decal - 500LBS Max Capacity Options: SN 0300089982 to SN 0300100380: 800A Dual Language English/Chinese Decals 800AJ Dual Language English/Chinese Decals 800A Dual Language English/French Decals 800AJ Dual Language English/French Decals 800A Dual Language English/Spanish Decals 800AJ Dual Language English/Spanish Decals 800A Dual Language English/Portuguese Decals 800AJ Dual Language English/Portuguese Decals 800A Dual Language English/Japanese Decals 800AJ Dual Language English/Japanese Decals 800A Dual Language English/Korean Decals 800AJ Dual Language English/Korean Decals SN 0300100380 to SN 0300140000: 800A Dual Language English/Chinese Decals 800AJ Dual Language English/Chinese Decals 800A Dual Language English/French Decals 800AJ Dual Language English/French Decals 800A Dual Language English/Spanish Decals 800AJ Dual Language English/Spanish Decals 800A Dual Language English/Portuguese Decals 800AJ Dual Language English/Portuguese Decals 800A Dual Language English/Japanese Decals 800AJ Dual Language English/Japanese Decals 800A Dual Language English/Korean Decals 800AJ Dual Language English/Korean Decals	
35	1704109	2	Decal - Website	
36	1704112	1	Nameplate, Manufactures (Note: Not Available for Purchase.)	
37	1704107	1	Decal - Upright Level Override	
38	1704112	2	Decal - Quik Stik	
39	1704106	1	Decal - Patent	
40	1704112	1	Decal - Legend Options: SN 0300069000 to SN 0300137975 SN 0300137975 to SN 0300140000	
41	1706381	1	Decal - Legend (MTB)	
42	1704112			
43	1707045	4	Rivet	
44	1707044	2	Decal - JLG Lift (8in Height)	
45	1707046	1	Decal - JLG Lift (3-1/2in Height)	
46	1707047	1	Decal - JLG (5in Height)	
47	1707048	1	Nameplate - Steer/Tow Selector	
48	1707049	1	Decal - Towing Instructions	
49	1707051	1	Decal - Fuel Diesel Gas	
50	1707052	2	Decal - LP Gas (GM Engine Machines Only)	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.
51	1700818 1702720 1704271	2	Decal - LP Gas (Liquid) (GM Engine Machines Only) Options: ANSI Spec ANSI Export CSA Spec	
52 to 54	Not Used			
55	1702788	1	Decal - Bio Hydraulic Fluid	
56	1705430 1705429 1705910 1705905 1705426 1705427	1	Decal - Drive Orientation Options: Dual Language English/Chinese Decals Dual Language English/French Decals Dual Language English/Spanish Decals Dual Language English/Portuguese Decals Dual Language English/Japanese Decals Dual Language English/Korean Decals	
	2902303	1	Master Decal Kit (Includes Items 2, 5-13)	3
	2902309	1	ANSI Decal Kit (Includes Items 17-26) Dual Language English/Chinese Decals	4
	2902322		Dual Language English/French Decals	4
	2902311		Dual Language English/Spanish Decals	5
	2902312		Dual Language English/Portuguese Decals	4
	2902308		Dual Language English/Japanese Decals	5
	2902310		Dual Language English/Korean Decals	2
	0258671	Ref	MANUAL STORAGE BOX INSTALLATION	B
101	0860520 1060279 0641408 0641406 4751400 3311405	1 1 1 1 6 5	Box, Manual Storage Cable, Lanyard Bolt 1/4in-20NC x 1in Bolt 1/4in-20NC x 3/4in Flatwasher 1/4in Locknut 1/4in-20NC	
	1001093187	Ref	TILT SENSOR INSTALLATION (SN 0300089982 TO SN 0300112885)	C
201 to 202	Not Used			
203	1705977	1	Decal - Upright Level Over Ride	
204	1707110	1	Decal - Legend (Platform)	
205	1707111	1	Decal - Platform Display	
206 to 223	Not Used			
224	1001095809	1	Decal - Legend (MTB Control)	

SECTION 8 DECALS

FIGURE 8-4. DECAL INSTALLATION (COUNTRY SPEC) (SN 0300089982 TO SN 0300140000)

ITEM #	PART NUMBER	QTY.	DESCRIPTION	REV.

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 800A/800AJ

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
2120168	Element, Filter (Figure 2-1)	4
2120210	Element Filter (Figure 2-1)	4
7012944	Coil (Figure 2-1 & 2-2)	1
7018991	Coil (Figure 2-2)	1
7012772	Coil (Figure 2-2 & 2-3)	1
7000645	Coil (Figure 2-2)	1
70000582	Coil (Figure 2-2)	1
7012664	Element, Air Cleaner (Figures 2-9, 2-11, 2-14 & 2-16)	1 Dozen
3740067	Relay (Figures 2-9, 2-11, 2-14 & 2-16)	1
7024444	Breather, Hydraulic Tank (Figure 2-18)	1
4360475	Switch, Mushroom (Figures 2-23 & 4-5)	1
4360469	Switch, Key (Figure 2-23)	1
2860030	Key, Replacement (Figure 2-23)	1
4360476	Contact, Switch Block (Figures 2-23 & 4-5)	1
4360328	Switch, Toggle (Figures 2-23 & 4-5)	1
3740049	Relay (Figures 2-23 & 7-3)	1
2940074	Latch (Figure 4-2)	1
4360387	Switch, Push Button (Figure 4-5)	1
1001129555	Controller (Lift and Swing) (Figure 4-5)	1
1001118416	Controller (Drive and Steer) (Figure 4-5)	1
4360330	Switch, Toggle (Figure 4-5)	1
4360407	Controller, Speed (Figure 4-5)	1
2400065	Fuse - 30 Amp (Figure 7-3)	2
3990010	Diode (Figure 7-3)	2
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 2-14)	1 Dozen
91083218	Filter, Fuel (Ford Engine Machines) (Figure 2-14)	1 Dozen
1600374	Module, EPM (Ford Engine Machines) (Figure 2-14)	1
4360336	Switch, Toggle (Machines with Dual Fuel Option) (Figures 2-16 & 4-5)	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
4360517	Switch, Proximity (Figures 2-21 & 7-3)	1
1001103667	Module, Ground Control (Caterpillar, Deutz & GM Engines) (Figure 2-23)	1
4360522	Switch, Toggle (Machines with Lights Option) (Figures 2-24 & 4-5)	1

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODEL 800A/800AJ

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 (Machines 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 2-28, 2-29, 2-31 2-32, 2-33, 2-34, 2-35 & 4-2)	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 & 7-3)	2
70002013	Powertrack Repair Section (Gortrac Brand) (Figure 3-4)	1
7016522	Powertrack Repair Section (Gemco Brand) (Figure 3-4)	2
7006137	Powertrack Pin Kit (Gemco Brand) (Figure 3-4)	24
4360578	Switch, Limit (Figure 3-7)	1
4360498	Switch, Proximity (Figure 3-7)	1
4360499	Switch, Proximity (Figure 3-7)	1
1001094400	Sensor, Dual Axle (Figure 3-7)	1
1001106355	Controller, Module Platform (Figure 4-5)	1
4360232	Breaker, Circuit (Machines with Platform Worklights) (Figure 4-5)	1
4360331	Switch, Toggle (Machines with 4WD or 4WS Options) (Figure 4-5)	1
4360057	Switch, Limit (Machines with Soft Touch Option) (Figure 4-8)	1
2400070	Fuse (Machines with Platform Worklights) (Figure 7-3)	2

SECTION 10 SPECIAL OPTIONS

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

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	MISCELLANEOUS SPECIAL OPTIONS	
	1340061	Ref	Air Cleaner Pre-Cleaner	
		Ref	Airline to Platform Installation Options:	
	0258802	Ref	1/2in 800A	
	0258805	Ref	1/2in 800AJ	
	1001093746	Ref	1/2in 800A (With Arctic Package)	
	1001092092	Ref	1/2in 800AJ (With Arctic Package)	
		Ref	Bellows Installation Options:	
	0258734	Ref	Boom 800A	
	0258737	Ref	Boom 800AJ	
	0258757	Ref	Chassis (Fixed Axle 2WS)	
	0258759	Ref	Chassis (Fixed Axle 4WS)	
	0258387	Ref	Chassis (Oscillating Axle 2WS)	
	0258758	Ref	Chassis (Oscillating Axle 4WS)	
	1001116474	Ref	Boom Cable Installation with Communication System (800AJ Only)	
	0258654	Ref	Boom Wipers Installation	
	0256789	Ref	Camera Mount Assembly	
		Ref	ClearSky (Telematic) 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) Kit (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.

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
			Cold Weather Package Installation Options:	
	0273575	Ref	Caterpillar Engine	
	0256060	Ref	Deutz without Glow Plugs (Deutz Engine Machines SN 0300069000 to SN 0300085331 Only)	
	0258927	Ref	Deutz with Glow Plugs (SN 0300069000 to SN 0300073049)	
	0271912	Ref	Deutz with Glow Plugs (SN 0300073049 to SN 0300140000)	
	0255386	Ref	Ford	
	0275262	Ref	GM	
	0274883	Ref	Cold Weather Transformer Installation (ANSI Export Only)	
		Ref	Note: Cold Weather Transformer Installation used on Deutz Engines with Cold Weather Package.	
	1001109263	Ref	Communication System (David Clark) Installation (800AJ Only)	
	1001093389	Ref	Cover, Fan	
		Ref	Decal Installations Options:	
	1702788	Ref	Decal - Biodegradable Hydraulic Fluid (All except German Spec)	
	1703479	Ref	Decal - Biodegradable Hydraulic Fluid (German Spec Only)	
	1001116565	Ref	Decal - ClearSky (ANSI Spec)	
	1001116566	Ref	Decal - ClearSky (CSA Spec)	
	3252221	Ref	Decal - CSA (CSA Spec)	
	1703175	Ref	Decal - Lanyard Attach (GM K-1 Spec)	
	1702962	Ref	Decal - Prop 65 Warning (Diesel Machines) (California Spec)	
	1702961	Ref	Decal - Prop 65 Warning (Gasoline Machines) (California Spec)	
	0257195	Ref	Decals - Government Warranty	
	0274528	Ref	Decals - Head & Engquist Equipment L.L.C. (H&E)	
	0273249	Ref	Decals - Hertz	
	0274248	Ref	Decals - National Equipment Services	
	1001095391	Ref	Decals - RSC Equipment Rental	
	0271112	Ref	Decals - Sunbelt	
	0273687	Ref	Decal - SkyAir	
	0272599	Ref	Decal - SkyCutter (ANSI/ANSI Export/CSA Specs)	
	0272607	Ref	Decal - SkyCutter (Japanese Specs)	
	0272418	Ref	Decal - SkyGlazier (ANSI/ANSI Export/CSA/UL Specs)	
	0272435	Ref	Decal - SkyPower (ANSI/ANSI Export/CSA Specs)	
	0272589	Ref	Decal - SkyPower (ANSI Export/Japanese Specs)	
	0272448	Ref	Decal - SkyWelder (ANSI/ANSI Export/CSA Specs)	
	0272588	Ref	Decal - SkyWelder (ANSI Export/Japanese Specs)	
		Ref	Decals - United Rentals Options:	
	0270959	Ref	SN 0300069000 to SN 0300069247	
	0271895	Ref	SN 0300069247 to SN 0300073049	
	0273122	Ref	SN 0300073049 to SN 0300140000	
	0258541/1282946	Ref	Decals - Warning Stripes I	

SECTION 10 SPECIAL OPTIONS

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

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
	2300040	Ref	Diesel Fuel - Anti-Gel	
	2902396	Ref	Drive/Steer Cutout Kit	
	0274619	Ref	Dual AC 110V GFI Installation	
		Ref	Electrical Connector Kits	
	1001148902	Ref	Amp/Tyco 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 Installations:	
	0258696	Ref	Ford Engine Machines	
	0275261	Ref	GM Engine Machines	
	0257157	Ref	Ether Start Installation (Deutz Engine Machines SN 0300069000 to SN 0300085331 Only)	
		Ref	Exhaust Rain Cap Installation	
	0274598		SN 0300069000 to SN 0300136459	
	1001108962		SN 0300136459 to SN 0300140000	
		Ref	Filter Kits:	
		Ref	Combined Filter Kit Options (Hydraulic/Air & Fuel/Engine Oil):	
		Ref	Deutz Engine Machines	
	2910467	1	SN 0300069000 to SN 0300077500 (was p/n 2910926)	
	1001110996	1	SN 0300077500 to SN 0300087266	
	1001111014	1	SN 0300087266 to SN 0300140000 (was p/n 1001114033)	
		Ref	Caterpillar Engine Machines	
	2915139	1	SN 0300069000 to SN 0300087266	
	1001111015	1	SN 0300087266 to SN 0300140000	
		Ref	Ford LRG-425 Non-UL Engine Machines	
	1001114116	1	SN 0300069000 to SN 0300087266 (was p/n 2910466)	
	1001114115	1	SN 0300087266 to SN 0300140000	
		Ref	GM Engine Machines	
	1001114056	1	SN 0300069000 to SN 0300140000	
		Ref	Hydraulic/Air Filter Options:	
		Ref	Deutz Engine Machines	
	1001109693	1	SN 0300069000 to SN 0300087266 (was p/n 2910925)	
	1001109717	1	SN 0300087266 to SN 0300140000 (was p/n 2910948)	
		Ref	Caterpillar Engine Machines	
	1001109717	1	SN 0300087266 to SN 0300140000 (was p/n 2910948)	

SECTION 10 SPECIAL OPTIONS

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

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
	Continued	Ref	Hydraulic/Air Filter Options:	
		Ref	Ford Engine Machines	
	1001109693	1	SN 0300069000 to SN 0300087266 (was p/n 2910925)	
	1001109717	1	SN 0300087266 to SN 0300140000 (was p/n 2910948)	
		Ref	Engine - Fuel/Engine Oil Filter Options:	
		Ref	Deutz Engine Machines	
	1001110133	1	SN 0300069000 to SN 0300140000	
		Ref	Caterpillar Engine Machines	
	1001110137	1	SN 0300087266 to SN 0300140000	
		Ref	Footswitch Shield Options (Note: Move Decal to Shield):	
	4060959		SN 0300069000 to SN 0300092146	
	3380652		SN 0300092146 to SN 0300140000	
		Ref	Glow Plugs Installations (Deutz Engine Machines):	
	0271326		SN 0300069000 to SN 0300073049	
	0271548		SN 0300073049 to SN 0300140000	
		Ref	Hydraulic Fluids	
	2300014	Ref	Mobil 424	
	2300027	Ref	Mobil 224H Bio	
	2300016	Ref	Mobil DTE 13M	
	2300029	Ref	Mobil EAL ISO 46 Bio	
	2300021	Ref	Union Carbide Ucon HP5046 Fire Resistant	
	2300039	Ref	Exxon Univis Hvl (Arctic Package Only)	
	1001148971	Ref	Lanyard (Bolt-On) Kit Installation	
		Ref	Oil Cooler Installations	
		Ref	Deutz Engine Machines	
	0256762/1282665	Ref	SN 0300069000 to SN 0300137668	
	1001108701	Ref	SN 0300137668 to SN 0300140000	
	0272040/1283309	Ref	Ford & GM Engine Machines	
		Ref	Pipe Racks Installations	
	0257728	Ref	ANSI Spec	
	1001107497	Ref	ANSI Export Spec (English/Spanish Language)	
	Use 0258703	Ref	Platform Console Cover Installation (was p/n 0255398)	
		Ref	Platform Entry Kits	
	1001142504	Ref	Drop Bar (Replacing Swing Gate with Drop Bar)	
	1001142505	Ref	Swing Gate (Replacing Drop Bar with Swing Gate)	
		Ref	Platform, Top Rail Extension (CSA Spec)	
	0270511	Ref	3ft x 6ft Platforms	
	0271771	Ref	3ft x 8ft Platforms	

SECTION 10 SPECIAL OPTIONS

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

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
		Ref	Side Entry Platform, Mesh to Top Rail	
	0273147	Ref	2.5ft x 4ft Platforms	
	0273149	Ref	3ft x 6ft Platforms	
	0273145	Ref	3ft x 8ft Platforms	
	1702868	Ref	Decal - NO HANDS (ANSI Spec)	
	1704000	Ref	Decal - NO HANDS (CSA Spec)	
	1704001	Ref	Decal - NO HANDS (English/Spanish)	
	1705969	Ref	Decal - NO HANDS (Korean/English)	
		Ref	Platform, Top Rail Extension (W/Side Entry)	
	0272733	Ref	3ft x 6ft Platforms (Standard Design)	
	1001110058	Ref	3ft x 6ft Platforms (Raised Height Design)	
	0272725	Ref	3ft x 8ft Platforms (Standard Design)	
	0861682	Ref	Platform, Remote Control Box	
	1001139944	Ref	Pump Mounting Bracket Kit (Sauer Danfoss)	
	2902300	Ref	Remote Oil Filter Kit - Required on Caterpillar Engine to Allow Sky Power 7500 Watt Generator to Fit. (SN 0300069000 TO SN 0300078179)	
	3574696	1	Bracket, Mounting Remote Filter	
	0274207	Ref	Slope Sensor Installation	
		Ref	SkyAccessory:	
		Ref	Note: For Breakdown of Sky Accessories Refer to Accessory Manual p/n 3124242	
	0273450	Ref	SkyAir (SN 0300069000 to SN 0300077344)	
	0274031	Ref	SkyAir (SN 0300077344 to SN 0300140000)	
			SkyGlazier Options:	
	1001101422	Ref	ANSI & CSA Specs w/o LSS (was p/n 0272395 & 1001099376)	
	1001099421	Ref	ANSI Export - Spanish Language (was p/n 0272387)	
	1001099422	Ref	ANSI Export - Portuguese Language (was p/n 0272955)	
		Ref	SkyPower - 7500W 60Hz (Caterpillar Engine)	
	0273540	Ref	SN 0300069000 to SN 0300139400	
	1001115398	Ref	SN 0300139400 to SN 0300140000	
		Ref	SkyPower - 7500W 50Hz (Caterpillar Engine)	
	0273541	Ref	SN 0300069000 to SN 0300139400	
	1001115400	Ref	SN 0300139400 to SN 0300140000	
		Ref	SkyPower - 7500W 60Hz (Deutz Engine)	
	0272255	Ref	SN 0300069000 to SN 0300139400	
	1001115387	Ref	SN 0300139400 to SN 0300140000	
		Ref	SkyPower - 7500W 50Hz (Deutz Engine)	
	0272492	Ref	SN 0300069000 to SN 0300139400	
	1001115389	Ref	SN 0300139400 to SN 0300140000	
	0272817	Ref	SkyPower - 7500W 60Hz (Ford Engine)	

SECTION 10 SPECIAL OPTIONS

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

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
	Continued	Ref	SkyAccessory:	
	0275257	Ref	SkyPower - 7500W 60Hz (GM Engine)	
	See Note	Ref	SkyCutter Plasma Cutter (was p/n 0272590)(SN 0300069000 to SN 0300119294) (Note: No Longer Available)	
	1001098149	Ref	SkyCutter Plasma Cutter (SN 0300119294 to SN 0300140000)	
	0272254	Ref	SkyWelder (ANSI, ANSI Export & CSA Specs)	
	0272521	Ref	SkyWelder (ANSI Export & Japanese Specs)	
	0273353	Ref	SkyCutter/SkyWelder Combo	
		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	
		Ref	Tire Sealant Installation	
	0272324	AR	Sealant, Tire (15in IN385/65D 19.5)	
	1300019	AR	Sealant	
	0272312	1	Decal - Tire Sealant	
	0273364	AR	Sealant, Tire (IN445/55D 19.5)	
	1300019	AR	Sealant	
	0272313	1	Decal - Tire Sealant	
		Ref	Tools for Service	
	1600244	1	Analyzer, Machine System	
	7002840	1	Antirotation Pin Removal Tool	
	8896941	1	Wire Stripper	
	7002821	1	Wire Crimper (To install wire ends to wires)	
	7002823	1	Pin/Socket Extractor - Universal (To Remove Pins/ Sockets from Connectors)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/Sockets from Deutsch Connectors)	
	7002822	1	Screwdriver, Potentiometer (To Adjust Drive Controllers)	
	7016654	1	Screwdriver, Magnetic	
	7004275	1	Seal Installation Tool - 1in	
	7004276	1	Seal Installation Tool - 1-1/2in	
	7002826	1	Seal Installation Tool - 2in	
	7016655	1	Wire Rope Sheave Gauge	
	7016652	1	Huck Bolt Fastener (For Small Huck Bolts Only)	
	70000017	1	ADE Software CD	
	1001137005	1	Software Cable Kit	
	0257728	Ref	Tube Rack Installation	

SECTION 10 SPECIAL OPTIONS

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

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.
	0258918	Ref	Utility Rack Installation	
		Ref	Weld Leads to Platform Installation Options:	
	0258826	Ref	800A	
	0258827	Ref	800AJ	

SECTION 10 SPECIAL OPTIONS

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

FIG&ITEM#	PART NUMBER	QTY.	DESCRIPTION	REV.

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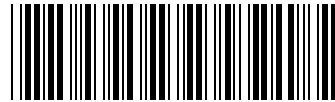
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