Illustrated Parts Manual

Models
600S
600SJ
660SJ

SN 0300068000
THROUGH 0300087000

P/N
3121178

February 9, 2018

ANSI

An Oshkosh Corporation Company

REVISION LOG

November 30, 2002- Original Issue Of Manual (Edited to 0010574 Revision 18)

January 17, 2003 - Revised Manual (Edited to 0010574 Revision 29)

May 1, 2003 - Revised Manual (Edited to 0010574 Revision 34)

December 11, 2003 - Revised Manual (Edited to 0010574 Revision 44 & 0010603 Revision 1)

May 12, 2004 - Revised Manual (Edited to 0010603 Revision 6)

August 26, 2004 - Revised Manual (Edited to 0010603 Revision 17)

January 20, 2005 - Revised Manual (Edited to 0010603 Revision 19)

June 1, 2005 - Revised Manual (Edited to 0010603 Revision 35)

November 10, 2005 - Revised Manual

May 18, 2006 - Revised Manual

August 9, 2006 - Revised Manual

January 15, 2007 - Revised Manual

May 15, 2007 - Revised Manual

September 19, 2007 - Revised Manual

January 15, 2008 - Revised Manual

June 15, 2008 - Revised Manual

December 1, 2008 - Revised Manual

April 15, 2009 - Revised Manual

October 15, 2009 - Revised Manual

May 24, 2010 - Revised Manual

March 15, 2011 - Revised Manual

June 10, 2011 - Revised Manual

September 14, 2011 - Revised Manual

January 6, 2012 - Revised Manual

April 20, 2012 - Revised Manual

July 27, 2012 - Revised Manual

November 8, 2012 - Revised Manual

March 15, 2013 - Revised Manual

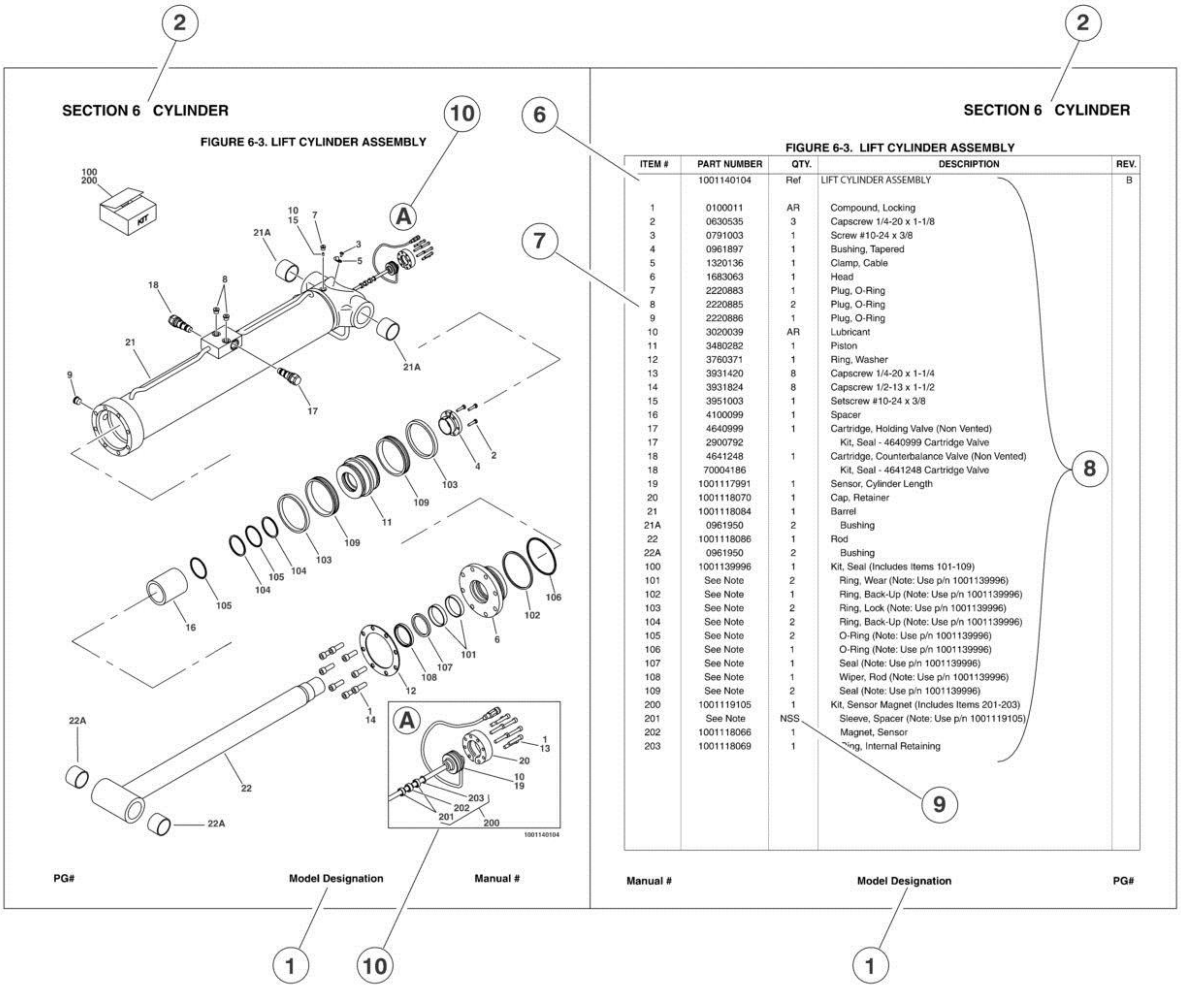
April 25 , 2013 - Revised Manual

June 14, 2013 - Revised Manual

REVISION LOG

September 30, 2013 - Revised Manual
February 28, 2014 - Revised Manual
October 30, 2015 - Revised Manual (Revision 4)
March 14, 2017 - Revised Manual
February 9, 2018 - Revised Manual

GENERAL INFORMATION



1) MACHINE IDENTIFICATION
Machines are identified by model and in some cases a combination of models, serial number (SN) or regional standard (i.e ANSI, CE,CSA). Components may also be identified by SN or manufacturer. common components that may be identified by these characteristics are engines and hydraulic components.

2) PARTS MANUAL ORGANIZATION
Product information in this manual is organized under section titles. Frame, Cylinder, Hydraulic and Electrical are a few examples. Each section is organized by figure and page number. The information within the Figure is then organized by item number, part number, description and corresponding illustration (s).

3) TABLE OF CONTENTS
A table of contents is found toward the beginning of the manual. Figure number, description and page number are provided for quick reference to the page containing the related information.

4) RECOMMENDED SPARE PARTS
The Recommended Spare Parts, located near the end of the manual, referance most frequently used maintenance parts.

5) PART NUMBER INDEX
A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

GENERAL INFORMATION

6) NON-SERVICED PARTS
In some instances, it is necessary to display non-serviced parts, assemblies or installations. In the case of assemblies and installations there will be a Ref in the Qty column. In case of parts that are not available for service within assemblies or components, there will be a NSS (Not Sold Separately) or NLA (No Longer Available) listed in the Qty. column of the manual.

7) PARTS LIST ITEM NUMBERS
Numbers shown in the item# column correspond to numbers used in the associated illustration (s). Item numbers which are missing from the sequence in the parts list are not used on that page

8) INDENTED PARTS DESCRIPTION
An indented part description is included in the item under which it is indented.

9) ABB REVIATION AND SYMBOLS

AC ..... Alternating Current
ADE. ..... Advanced Design Electronics
ANSI ..... American National Standards Institute
AR.. ..... As Required
ASSY ..... Assembly
AUX... ..... Auxiliary
AWG ..... American Wire Gauge
B/M. ..... Bill of Material
CE.. ..... European Conformity
CCW ..... Counter Clockwise
cm. ..... Centimeter
CW ..... Clockwise
CSA. ..... Canadian Standards Association
CYL... ..... Cylinder
DIA. ..... Diameter
DC ..... Direct Current
EMS ..... Emergency Stop
ENG ..... Engine
FT(ft).. ..... Feet
GA(Ga).. ..... Gauge
HYD ..... Hydraulic
Hz.. ..... Hertz
ID.. ..... Inside Diameter
in... ..... inches
ISO ..... International Organization for Standards
JIC ..... Joint Industry Council
KG ..... Kilogram
L.. ..... Liter
LB ..... Pounds
LCD ..... Liquid Crystal Display
LED ..... Light Emitting Diodes
LH... ..... Left Hand
LSS ..... Load Sensing System
M(m)... ..... Metric/Meter
MM (mm) ..... Milimeter
mA. ..... Miliamps
NLA..... No Longer Available
NPT ..... National Pipe Threads
NSS ..... Not Sold Separately
OD.. ..... Outside Diameter
ORB ..... O-Ring Boss
ORFS ..... O-Ring Face Seal
OZ (oz). ..... Ounces
PG ..... Page
P/N. ..... Part Number
qt. ..... Quarts
QTY. ..... Quantity
REF ..... Reference
REV ..... Revision Level
RH... ..... Right Hand
SAE..... Society of Automotive Engineers
SN.. ..... Serial Number
SPEC(S)..... Specifications
T/T. ..... Turntable
UGM ..... Universal Ground Module
V. ..... Volts
W... ..... Watts
#... ..... Number

10) ILLUSTRATION REFERANCE LETTERS
When necessary, illustrations may contain referance letters that are intended to track information (i. e. hoses, harnesses) from one point to another or to track visual enlargement of components to show details that may be located in another area on the illustration.

Note: Due to continuous product improvements, JLG Industries, Inc. reserves the right to make specification changes without prior notification. Contact JLG Industries, Inc. for updated information.

TABLE OF CONTENTS

SECTION 1 - FRAME 11

FIGURE 1-1. 2WD FRONT AXLE AND STEERING INSTALLATION (SN 0300068000 through 0300075605) 12
FIGURE 1-2. 2WD FRONT AXLE AND STEERING INSTALLATION (SN 0300075606 through 0300087000) 16
FIGURE 1-3. 4WD FRONT AXLE AND STEERING INSTALLATION (SN 0300068000 through 0300075605) 20
FIGURE 1-4. 4WD FRONT AXLE AND STEERING INSTALLATION (SN 0300075606 through 0300087000) 24
FIGURE 1-5. 4WS REAR STEERING INSTALLATION (SN 0300068000 through 0300075605) 28
FIGURE 1-6. 4WS REAR STEERING INSTALLATION (SN 0300075606 through 0300087000) 30
FIGURE 1-7. TIRE AND WHEEL DRIVE INSTALLATIONS 32
FIGURE 1-8. DRIVE HUB ASSEMBLY (SN 0300068000 through 0300075605) 36
FIGURE 1-9. DRIVE HUB ASSEMBLY (SN 0300075606 through 0300087000) 38
FIGURE 1-10. DRIVE MOTOR ASSEMBLY (SN 0300068000 through 0300075605) 42
FIGURE 1-11. DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) (SN 0300075606 through 0300087000) 44
FIGURE 1-12. DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) 48
FIGURE 1-13. DRIVE VALVES AND SHIELDS INSTALLATION (FRAME MOUNTED) (SN 0300068000 through 0300075605) . 50
FIGURE 1-14. DRIVE VALVES AND SHIELDS INSTALLATION (FRAME MOUNTED) (SN 0300075606 through 0300087000) . 52
FIGURE 1-15. TOW PACKAGE INSTALLATION (OPTIONAL) (SN 0300068000 through 0300075605) 56
FIGURE 1-16. TOW PACKAGE INSTALLATION (OPTIONAL) (SN 0300075606 through 0300087000) 60

SECTION 2 - TURNTABLE 63

FIGURE 2-1. CONTROL VALVES INSTALLATIONS 64
FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY 68
FIGURE 2-3. ACCESSORY VALVE ASSEMBLY 72
FIGURE 2-4. SWING DRIVE, TURNTABLE BEARING AND LOCK INSTALLATIONS 74
FIGURE 2-5. SWING HUB ASSEMBLY 76
FIGURE 2-6. SWING MOTOR ASSEMBLY 78
FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION 82
FIGURE 2-8. DEUTZ ENGINE INSTALLATION (SN 0300068000 through 0300077489) 90
FIGURE 2-9. DEUTZ ENGINE INSTALLATION (SN 0300077490 through 0300087000) 96
FIGURE 2-10. FORD ENGINE INSTALLATION (SN 0300068000 through 0300079618) 104
FIGURE 2-11. DUAL FUEL INSTALLATIONS (FORD MACHINE OPTION) 112
FIGURE 2-12. FORD ENGINE INSTALLATION (SN 0300079619 through 0300087000) 114
FIGURE 2-13. PISTON PUMP ASSEMBLY (SN 0300068000 through 0300075605) 120
FIGURE 2-14. PISTON PUMP ASSEMBLY (SN 0300075606 through 0300087000) 124
FIGURE 2-15. GEAR PUMP ASSEMBLY 130
FIGURE 2-16. TANK INSTALLATIONS 132
FIGURE 2-17. ROTARY COUPLING INSTALLATION (SN 0300068000 through 0300075605) 136
FIGURE 2-18. ROTARY COUPLING INSTALLATION (SN 0300075606 through 0300087000) 138
FIGURE 2-19. GROUND CONTROL BOX ASSEMBLY 142
FIGURE 2-20. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED) 146
FIGURE 2-21. ENGINE TRAY JACK INSTALLATION (OPTIONAL) 150
FIGURE 2-22. HOODS AND LIFTING PLATE INSTALLATIONS 152
FIGURE 2-23. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL) 156
FIGURE 2-24. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL) 160
FIGURE 2-25. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300068000 through 0300079618) 164
FIGURE 2-26. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300079619 through 0300087000) 168
FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ ENGINES (OPTIONAL) ... 172
FIGURE 2-28. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES (OPTIONAL) 178
FIGURE 2-29. SKYAIR COMPRESSOR INSTALLATION 182
FIGURE 2-30. AIR COMPRESSOR ASSEMBLY 184

SECTION 3 - BOOM 187

FIGURE 3-1. BOOM INSTALLATION - 600S 188
FIGURE 3-2. BOOM INSTALLATION - 600SJ & 660SJ 192
FIGURE 3-3. MAIN BOOM ASSEMBLIES 198
FIGURE 3-4. ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM) 202
FIGURE 3-5. ROTATOR ASSEMBLIES (SIDE ENTRY PLATFORM) 206
FIGURE 3-6. POWER TRACK INSTALLATIONS 208

SECTION 4 - PLATFORM 211

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (FRONT ENTRY PLATFORM) 212

TABLE OF CONTENTS

FIGURE 4-2. PLATFORM COMPONENTS INSTALLATION (SIDE ENTRY PLATFORM) 216
FIGURE 4-3. PLATFORM COMPONENTS INSTALLATION (FALL ARREST PLATFORM) 220
FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY 222
FIGURE 4-5. CONTROLLER ASSEMBLY (LIFT AND SWING) (ORIGINAL EQUIPMENT) 228
FIGURE 4-6. CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT) 230
FIGURE 4-7. CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT) 232
FIGURE 4-8. CONTROLLER ASSEMBLY (DRIVE AND STEER) (ORIGINAL EQUIPMENT) 236
FIGURE 4-9. CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT) 238
FIGURE 4-10. CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT) 240
FIGURE 4-11. SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL) 242
FIGURE 4-12. PLATFORM PADDING INSTALLATION (OPTIONAL) (SIDE ENTRY PLATFORM) 244
FIGURE 4-13. SKYGLAZIER INSTALLATION (600S ONLY) 246
FIGURE 4-14. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ) 248
FIGURE 4-15. SKYWELDER INSTALLATION (50HZ) 252
FIGURE 4-16. SKYWELDER INSTALLATION (60HZ) 254
FIGURE 4-17. SKYCUTTER INSTALLATION 256
FIGURE 4-18. PLASMA CUTTER ASSEMBLY 258
FIGURE 4-19. PIPE RACKS INSTALLATION (ANSI & CSA SPECS) 260
FIGURE 4-20. WELDER ASSEMBLY 262

SECTION 5 - CYLINDER 265

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300068000 through 0300075605) 266
FIGURE 5-2. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300075606 through 0300087000) 268
FIGURE 5-3. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (ORIGINAL EQUIPMENT) 270
FIGURE 5-4. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT) 272
FIGURE 5-5. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT) 274
FIGURE 5-6. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (ORIGINAL EQUIPMENT) 276
FIGURE 5-7. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT) 278
FIGURE 5-8. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT) 280
FIGURE 5-9. LIFT CYLINDER ASSEMBLY (BOOM) 282
FIGURE 5-10. LIFT CYLINDER ASSEMBLY (JIB) - 600SJ & 660SJ (ORIGINAL EQUIPMENT) 286
FIGURE 5-11. LIFT CYLINDER ASSEMBLY (JIB) - 600SJ & 660SJ (SERVICE REPLACEMENT) 288
FIGURE 5-12. MASTER CYLINDER ASSEMBLY (ORIGINAL EQUIPMENT) 290
FIGURE 5-13. MASTER CYLINDER ASSEMBLY - 600S (SERVICE REPLACEMENT) 294
FIGURE 5-14. MASTER CYLINDER ASSEMBLY - 600SJ/660SJ (SERVICE REPACEMENT) 296
FIGURE 5-15. STEER CYLINDER ASSEMBLY 298
FIGURE 5-16. TELESCOPE CYLINDER ASSEMBLY 300
FIGURE 5-17. CYLINDER BELLOWS INSTALLATION (OPTIONAL) 302

SECTION 6 - HYDRAULIC 305

FIGURE 6-1. HYDRAULIC DIAGRAM - DRIVE AND STEER (2WD/2WS) 306
FIGURE 6-2. HYDRAULIC DIAGRAM - DRIVE AND STEER (4WD/2WS) (SN 0300068000 through 0300075605) 310
FIGURE 6-3. HYDRAULIC DIAGRAM - DRIVE AND STEER (4WD/2WS) (SN 0300075606 through 0300087000) 314
FIGURE 6-4. HYDRAULIC DIAGRAM - OSCILLATING AXLE 316
FIGURE 6-5. HYDRAULIC DIAGRAM - STANDARD (SN 0300068000 through 0300075605) 318
FIGURE 6-6. HYDRAULIC DIAGRAM - STANDARD (SN 0300075606 through 0300087000) 322
FIGURE 6-7. HYDRAULIC DIAGRAM LIST 326

SECTION 7 - ELECTRICAL 329

FIGURE 7-1. ELECTRICAL DIAGRAM LIST 330
FIGURE 7-2. HARNESS COMPONENTS INSTALLATION 332

SECTION 8 - DECALS 345

FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC) 346
FIGURE 8-2. DECAL INSTALLATION (COUNTRY SPEC) 350

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK 355

FIGURE 9-1. MODEL 600S/600SJ/660SJ STANDARD PARTS 356
FIGURE 9-2. MODEL 600S/600SJ/660SJ VARIABLE PARTS 358

SECTION 10 - SPECIAL OPTIONS 359

TABLE OF CONTENTS

FIGURE 10-1. SPECIAL OPTIONS 360

PART NUMBER INDEX 365

SECTION 1 - FRAME

FIGURE 1-1. 2WD FRONT AXLE AND STEERING INSTALLATION (SN 0300068000 through 0300075605)

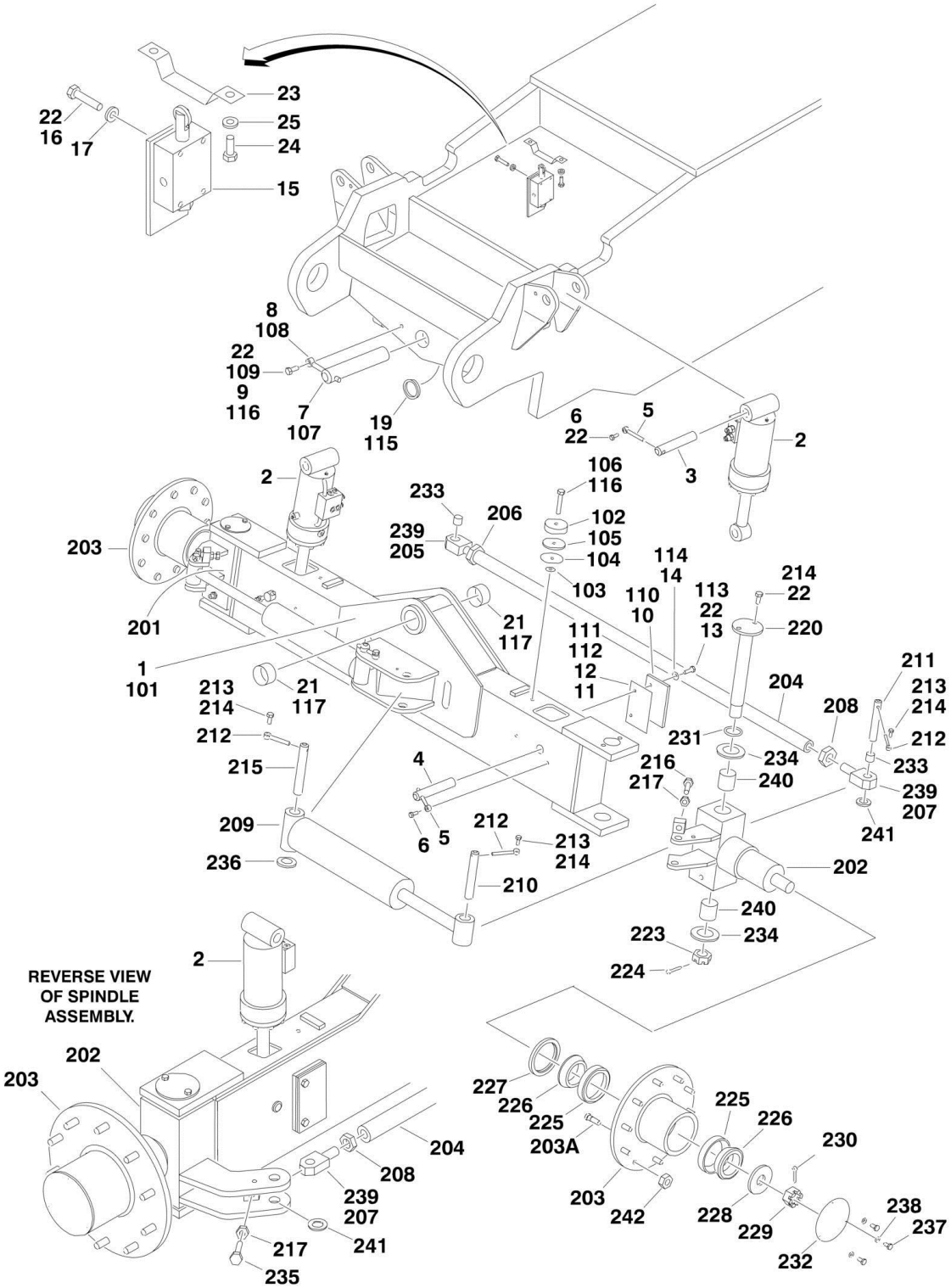


FIGURE 1-1. 2WD FRONT AXLE AND STEERING INSTALLATION (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0256394	Ref	**AXLE INSTALLATIONS - OSCILLATING**	5
1	4844777	1	Axle Weldment	
2	1683078	2	Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
3	3422333	2	Pin, Pivot	
4	3422332	2	Pin, Cylinder	
5	3841143	4	Keeper, Pin	
6	0641608	4	Bolt 3/8in-16NC x 1in	
7	3422591	1	Pin, Axle Pivot	
8	3841258	1	Keeper, Pin	
9	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
10	3538047	2	Plate, Wear	
11	4070878	AR	Shim 1/16in	
12	4070879	AR	Shim 1/8in	
13	0641612	4	Bolt 3/8in-16NC x 1-1/2in	
14	4711600	4	Flatwasher 3/8in Thin	
15	4640871	1	Valve, Cam	
15	7012693	1	Seal Kit - 4640871 Valve	
15	7002840	1	Pin Removal Tool	
16	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
17	4711400	4	Flatwasher 1/4in Thin	
19	4740158	1	Thrustwasher	
21	0961950	2	Bushing	
22	0100011	AR	Compound, Locking	
23	1100086	1	Cam	
24	0641814	2	Bolt 1/2in-13NC x 1-3/4in	
25	4751800	AR	Flatwasher 1/2in Regular	
	0256621	Ref	**AXLE INSTALLATIONS - FIXED**	4
101	4844777	1	Axle Weldment	
102	3539877	2	Plate, Stop	
103	3539878	2	Plate, Stop	
104	4070944	AR	Shim (.06)	
105	4070945	AR	Shim (.25)	
106	3931840	2	Screw 1/2in-13NC x 2-1/2in	
107	3422591	1	Pin, Pivot	
108	3841258	1	Keeper, Pin	
109	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
110	3538047	2	Plate, Wear	
111	4070878	AR	Shim 1/16in	
112	4070879	AR	Shim 1/8in	
113	0641608	4	Bolt 3/8in-16NC x 1in	
114	4711600	4	Flatwasher 3/8in Thin	
115	4740158	1	Thrustwasher	
116	0100019	AR	Compound, Locking	
117	0961950	2	Bushing	
	0257732	Ref	**STEERING INSTALLATION**	2-A
201	4130353	1	Spindle - Right Side	
202	4130354	1	Spindle - Left Side	
203	2780188	2	Hub	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
203A	0630078	20	Stud, Wheel (10 Per Hub)	
204	3841236	1	Tie-Rod	
205	0561138	1	End, Tie-Rod (Right Side/RH Threads)	
206	3323002	1	Nut, Jam 1-1/4in-12NF (RH Threads)	
207	0561139	1	End, Tie-Rod (Left Side/LH Threads)	
208	3300229	1	Nut, Jam 1-1/4in-12NF (LH Threads)	
209	1683208	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
210	3422351	2	Pin, Steer Cylinder	
211	3422352	2	Pin, Tie-Rod	
212	3841143	6	Shaft, Keeper	
213	0641608	6	Bolt 3/8in-16NC x 1in	
214	0100011	AR	Compound, Locking	
215	3422326	2	Pin, Steer Cylinder	
216	0682014	2	Bolt 5/8in-11NC x 1-3/4in (Grade 8)	
217	3312002	4	Nut, Jam 5/8in-11NC	
220	3422335	2	Kingpin	
222	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8)	
223	3324203	2	Nut, Slotted 2in-4 1/2NF	
224	3451012	2	Pin, Cotter 5/8in x 3in	
225	0440171	4	Cup, Bearing - Inner	
226	0440170	4	Cone, Bearing - Inner	
227	3960343	2	Seal, Grease	
228	4740283	2	Flatwasher, Hardened	
229	3323403	2	Nut, Slotted 1-1/2in-6NF	
230	3451010	2	Pin, Cotter 5/8in x 2-1/2in	
231	3780187	4	O-Ring	
232	1120304	2	Cap, Hub	
233	0961977	2	Bearing	
234		Ref	Thrustwasher Options:	
234	4740463	2	Thrustwasher Top	
234	4740256	2	Thrustwasher Bottom	
235	0682012	2	Bolt 5/8in-11NC x 1-1/2in (Grade 8)	
236	4740111	4	Thrustwasher	
237	0721003	6	Bolt #10-24NC x 3/8in	
238	4761000	6	Lockwasher #10	
239	0100063	AR	Loctite RC609	
240	0962036	4	Bushing, Bronze	
241	4740067	2	Thrustwasher	
242	3300007	20	Lugnut (10 per wheel)	

FIGURE 1-2. 2WD FRONT AXLE AND STEERING INSTALLATION (SN 0300075606 through 0300087000)

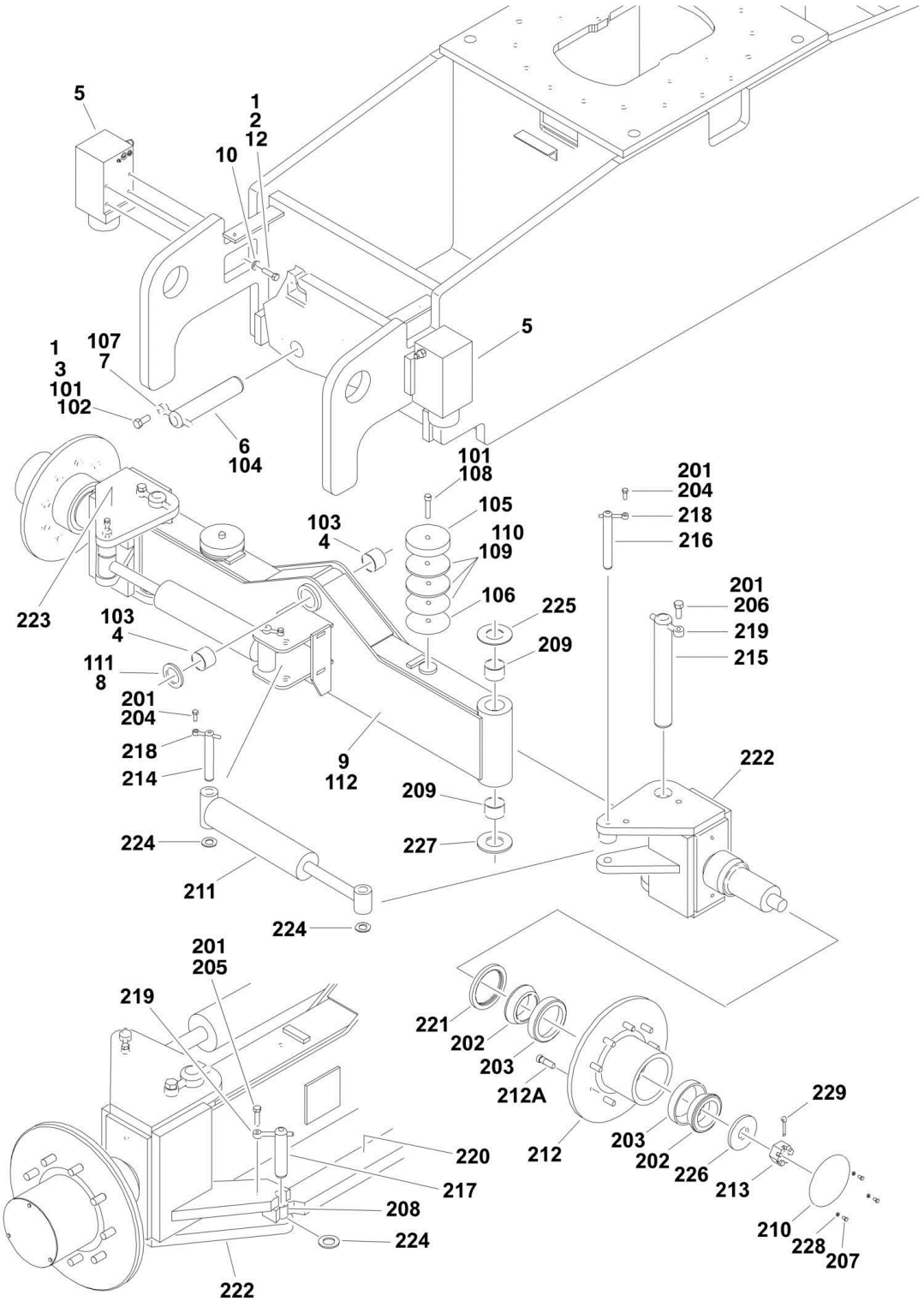


FIGURE 1-2. 2WD FRONT AXLE AND STEERING INSTALLATION (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**AXLE INSTALLATIONS - OSCILLATING**	
	0273081	Ref	**Axle Installations without Tow Package**	E
	0273379	Ref	**Axle Installations with Tow Package**	C
1	0100011	AR	Compound, Locking	
2	0641814	8	Bolt 1/2in-13NC x 1-3/4in	
3	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
4	0961950	2	Bearing	
5	1684280	2	Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
6	3422592	1	Pin, Pivot	
7	3841258	1	Keeper, Pin	
8	4740158	1	Thrustwasher	
9		Ref	Axle Weldment Options:	
9	4846814	1	Axle Weldment without Tow Package	
9	4846934	1	Axle Weldment with Tow Package	
10	4891800	8	Flatwasher 1/2in Hardened	
12	0100038	AR	Primer #7471	
	0273226	Ref	**AXLE INSTALLATIONS - FIXED**	A
101	0100011	AR	Compound, Locking	
102	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
103	0961950	2	Bearing	
104	3422592	1	Pin, Pivot	
105	3539877	2	Plate, Stop	
106	3539878	2	Plate, Stop	
107	3841258	1	Keeper, Pin	
108	3931840	2	Screw 1/2in-13NC x 2-1/2in	
109	4070944	4	Shim (.06)	
110	4070945	4	Shim (.25)	
111	4740158	1	Thrustwasher	
112		Ref	Axle Weldment Options:	
112	4846814	1	Axle Weldment without Tow Package	
112	See Note	1	Axle Weldment with Tow Package (Note: Not Available for Purchase)	
		Ref	**STEERING INSTALLATIONS**	
	0273150	Ref	**Without Tow Package**	B
	0273422	Ref	**With Tow Package**	A
201	0100011	AR	Compound, Locking	
202	0440170	4	Cone, Bearing	
203	0440171	4	Cup, Bearing	
204	0641608	4	Bolt 3/8in-16NC x 1in	
205	0641612	2	Bolt 3/8in-16NC x 1-1/2in	
206	0642012	2	Bolt 5/8in-11NC x 1-1/2in	
207	0721003	6	Bolt #10-24NC x 3/8in	
208	0961977	2	Bushing	
209	0962131	4	Bearing	
210	1120304	2	Cap, Hub	
211	1683208	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
212	2780271	2	Hub	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
212A	0630490	18	Stud, Wheel (9 Per Hub)	
213	3324203	2	Nut, Slotted 2in-4 1/2NF	
214	3422326	2	Pin, Steer Cylinder	
215	3422900	2	Kingpin	
216		Ref	Pin, Steer Cylinder Options:	
216	3422902	2	Pin, Steer Cylinder Machines without Tow Package	
216	3422902	1	Pin, Steer Cylinder Machines with Tow Package (Left Side without Tow Link)	
216	3422567	1	Pin, Steer Cylinder Machines with Tow Package (Right Side with Tow Link)	
217	3422903	2	Pin, Tie-Rod	
218	3841143	6	Shaft, Keeper	
219	3841258	2	Shaft, Keeper	
220	3841510	1	Tie-Rod	
221	3960343	2	Seal, Grease	
222	4130396	1	Spindle - Left Side	
223		Ref	Spindle - Right Side Options:	
223	4130397	2	Spindle - Right Side Machines without Tow Package	
223	4130400	1	Spindle - Right Side Machines with Tow Package	
224	4740111	6	Thrustwasher	
225	4740256	2	Thrustwasher	
226	4740283	2	Flatwasher, Hardened	
227	4740263	2	Thrustwasher	
228	4761000	6	Lockwasher #10	
229	3451010	2	Pin, Cotter 5/8in x 2-1/2in	

FIGURE 1-3. 4WD FRONT AXLE AND STEERING INSTALLATION (SN 0300068000 through 0300075605)

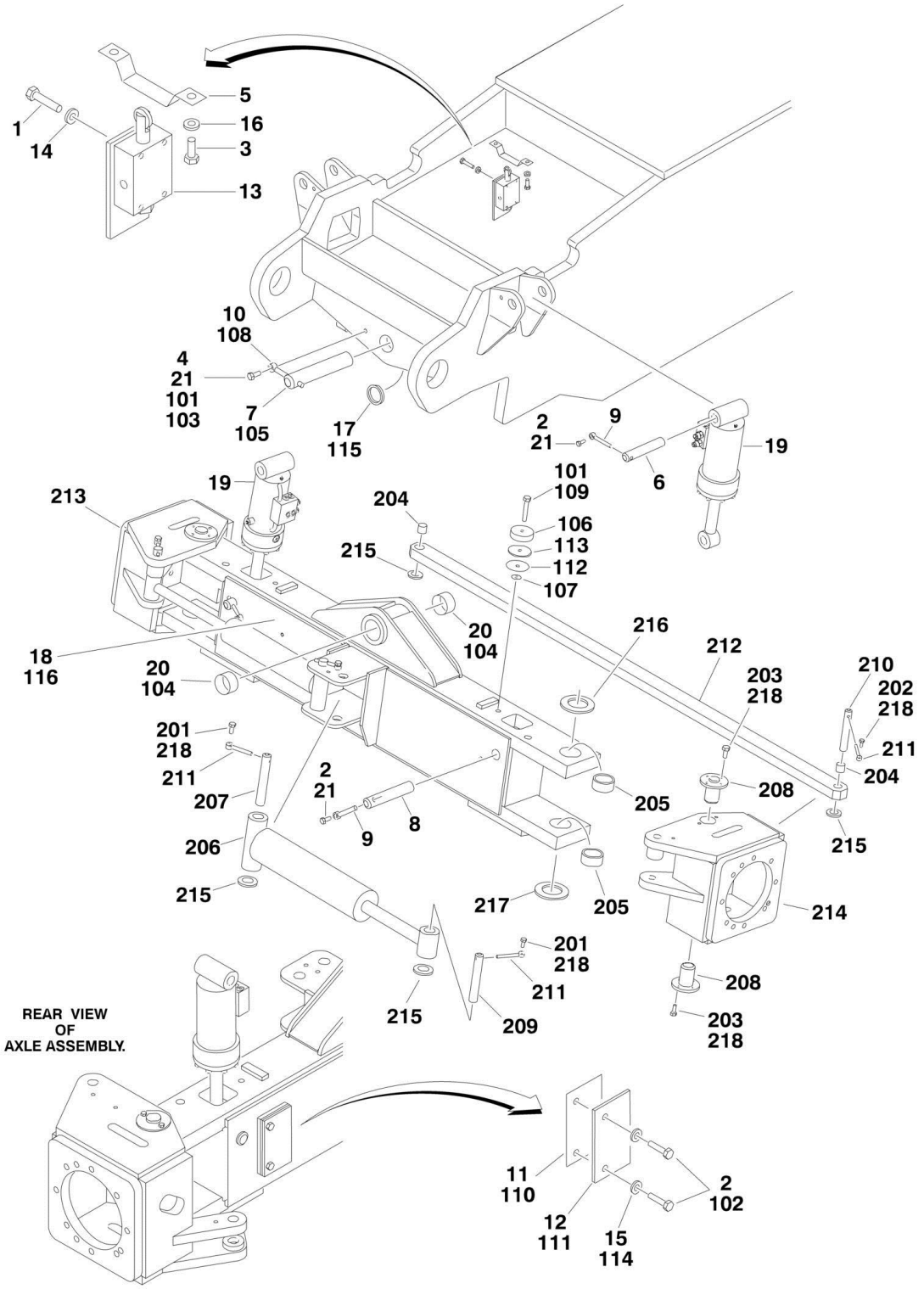


FIGURE 1-3. 4WD FRONT AXLE AND STEERING INSTALLATION (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRAME OPTIONS:**	
	2360376	1	Frame Weldment - 600S - 2WS	
	2360415	1	Frame Weldment - 600SJ - 2WS	
	2360414	1	Frame Weldment - 660SJ - 2WS	
	2360451	1	Frame Weldment - 600S - 4WS	
	2360453	1	Frame Weldment - 600SJ - 4WS	
	2360452	1	Frame Weldment - 660SJ - 4WS	
	0271003	Ref	**AXLE INSTALLATIONS - OSCILLATING**	B
1	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
2	0641608	8	Bolt 3/8in-16NC x 1in	
3	0641814	2	Bolt 1/2in-13NC x 1-3/4in	
4	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
5	1100086	1	Cam	
6	3422333	2	Pin, Pivot	
7	3422591	1	Pin, Axle Pivot	
8	3422904	2	Pin, Cylinder	
9	3841143	4	Keeper, Pin	
10	3841258	1	Keeper, Pin	
11	4070878	2	Shim 1/16in	
12	4070879	2	Shim 1/8in	
13	4640871	1	Valve, Cam	
13	7012693	1	Seal Kit - 4640871 Valve	
13	7002840	1	Pin Removal Tool	
14	4711400	4	Flatwasher 1/4in Thin	
15	4711600	4	Flatwasher 3/8in Thin	
16	4711800	4	Flatwasher 1/2in Thin	
17	4740158	1	Thrustwasher	
18	4846288	1	Axle Weldment	
19	1683078	2	Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
20	0961950	2	Bushing	
21	0100011	AR	Compound, Locking	
	0271004	Ref	**AXLE INSTALLATIONS - FIXED**	A
101	0100011	AR	Compound, Locking	
102	0641608	4	Bolt 3/8in-16NC x 1in	
103	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
104	0961950	2	Bushing	
105	3422591	1	Pin, Pivot	
106	3539877	2	Plate, Stop	
107	3539878	2	Plate, Stop	
108	3841258	1	Keeper, Pin	
109	3931840	2	Screw 1/2in-13NC x 2-1/2in	
110	4070878	2	Shim 1/16in	
111	4070879	2	Shim 1/8in	
112	4070944	AR	Shim (.06)	
113	4070945	AR	Shim (.25)	
114	4711600	4	Flatwasher 3/8in Thin	
115	4740158	1	Thrustwasher	
116	4846288	1	Axle Weldment	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270868	Ref	**STEERING INSTALLATION**	A
201	0641608	4	Bolt 3/8in-16NC x 1in	
202	0641612	2	Bolt 3/8in-16NC x 1-1/2in	
203	0681610	8	Bolt 3/8in-16NC x 1-1/4in (Grade 8)	
204	0961977	2	Bearing	
205	0962131	4	Bushing	
206	1683208	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
207	3422326	2	Pin	
208	3422753	4	Kingpin	
209	3422902	2	Pin, Steer Cylinder	
210	3422903	2	Pin	
211	3841143	6	Shaft, Keeper	
212	3841510	1	Tie-Rod	
213	4130381	1	Spindle - Right Side	
214	4130382	1	Spindle - Left Side	
215	4740111	6	Thrustwasher	
216	4740256	2	Thrustwasher	
217	4740463	2	Thrustwasher	
218	0100011	AR	Compound, Locking	

FIGURE 1-4. 4WD FRONT AXLE AND STEERING INSTALLATION (SN 0300075606 through 0300087000)

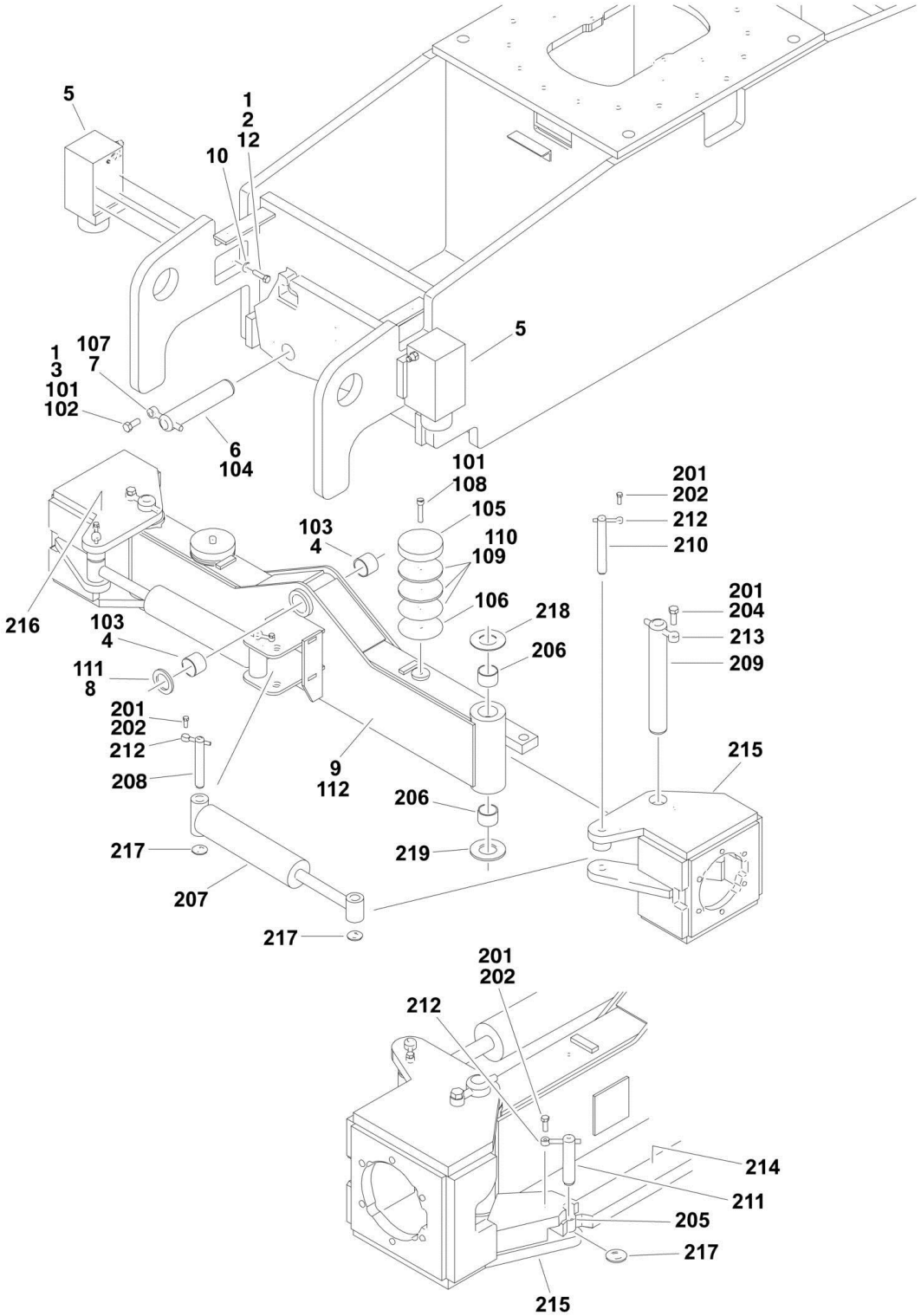


FIGURE 1-4. 4WD FRONT AXLE AND STEERING INSTALLATION (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**FRAME OPTIONS:**	
	2360615	1	Frame Weldment - 600S - 2WS	
	2360623	1	Frame Weldment - 600SJ - 2WS	
	2360624	1	Frame Weldment - 660SJ - 2WS	
	2360634	1	Frame Weldment - 600S - 4WS	
	2360635	1	Frame Weldment - 600SJ - 4WS	
	2360636	1	Frame Weldment - 660SJ - 4WS	
		Ref	**AXLE INSTALLATIONS - OSCILLATING**	
	0273081	Ref	**Axle Installations - Oscillating without Tow Package**	E
	0273379	Ref	**Axle Installations - Oscillating with Tow Package**	C
1	0100011	AR	Compound, Locking	
2	0641814	8	Bolt 1/2in-13NC x 1-3/4in	
3	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
4	0961950	2	Bearing	
5	1684280	2	Lockout Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
6	3422592	1	Pin, Pivot	
7	3841258	1	Keeper, Pin	
8	4740158	1	Thrustwasher	
9		Ref	Axle Weldment Options:	
9	4846814	1	Axle Weldment without Tow Package	
9	4846934	1	Axle Weldment with Tow Package	
10	4891800	8	Flatwasher 1/2in Hardened	
12	0100038	AR	Primer	
	0273226	Ref	**AXLE INSTALLATIONS - FIXED**	A
101	0100011	AR	Compound, Locking	
102	0642012	1	Bolt 5/8in-11NC x 1-1/2in	
103	0961950	2	Bearing	
104	3422592	1	Pin, Pivot	
105	3539877	2	Plate, Stop	
106	3539878	2	Plate, Stop	
107	3841258	1	Keeper, Pin	
108	3931840	2	Screw 1/2in-13NC x 2-1/2in	
109	4070944	4	Shim (.06)	
110	4070945	4	Shim (.25)	
111	4740158	1	Thrustwasher	
112		Ref	Axle Weldment Options:	
112	4846814	1	Axle Weldment without Tow Package	
112	See Note	1	Axle Weldment with Tow Package (Note: Not Available for Purchase)	
		Ref	**STEERING INSTALLATIONS**	
	0273080	Ref	**Steering Installations without Tow Package**	E
	0273394	Ref	**Steering Installations with Tow Package**	B
201	0100011	AR	Compound, Locking	
202	0641608	6	Bolt 3/8in-16NC x 1in	
204	0642012	2	Bolt 5/8in-11NC x 1-1/2in	
205	0961977	2	Bushing	
206	0962131	4	Bearing	
207	1683208	2	Steer Cylinder Assembly (See CYLINDER SECTION for	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			Breakdown)	
208	3422326	2	Pin, Steer Cylinder	
209	3422900	2	Kingpin	
210		Ref	Pin, Steer Cylinder Options:	
210	3422902	2	Machines without Tow Package	
210	3422902	1	Machines with Tow Package (Left Side without Tow Link)	
210	3422567	1	Machines with Tow Package (Right Side with Tow Link)	
211	3422903	2	Pin, Tie-Rod	
212	3841143	6	Shaft, Keeper	
213	3841258	2	Shaft, Keeper	
214	3841510	1	Tie-Rod	
215	4130394	1	Spindle - Left Side	
216		Ref	Spindle - Right Side Options:	
216	4130395	2	Spindle - Right Side Machines without Tow Package	
216	4130399	1	Spindle - Right Side Machines with Tow Package	
217	4740111	6	Thrustwasher	
218	4740256	2	Thrustwasher	
219	4740463	2	Thrustwasher	

FIGURE 1-5. 4WS REAR STEERING INSTALLATION (SN 0300068000 through 0300075605)

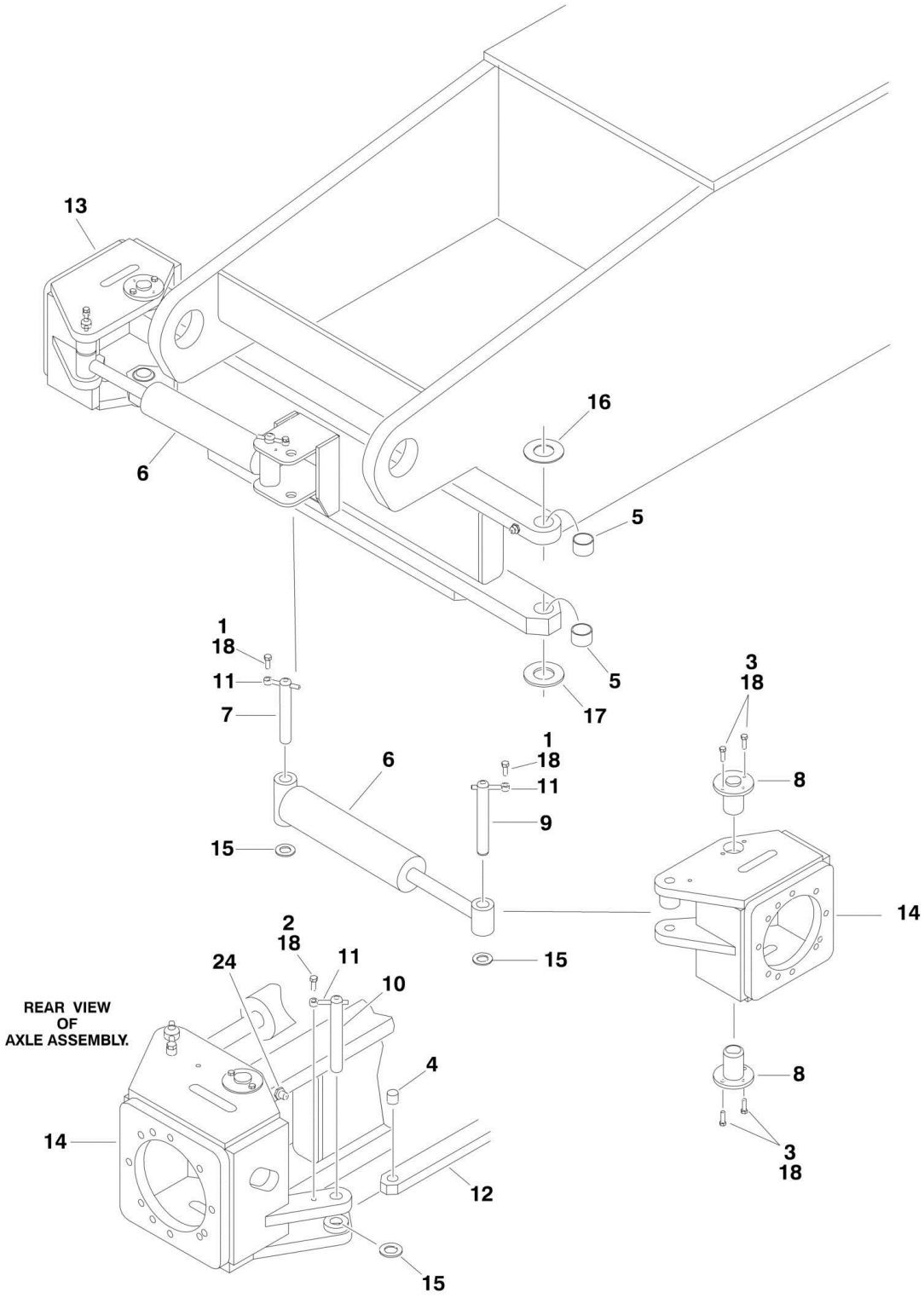


FIGURE 1-5. 4WS REAR STEERING INSTALLATION (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**4WS REAR STEERING INSTALLATIONS OPTIONS:**	
	0257744	Ref	**4WS Installation - 2WD Machines**	2
	0271005	Ref	**4WS Installation - 4WD Machines**	1
	0270868	Ref	**STEERING INSTALLATION**	A
1	0641608	4	Bolt 3/8in-16NC x 1in	
2	0641612	2	Bolt 3/8in-16NC x 1-1/2in	
3	0681610	8	Bolt 3/8in-16NC x 1-1/4in (Grade 8)	
4	0961977	2	Bearing	
5	0962131	4	Bushing	
6	1683208	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
7	3422326	2	Pin	
8	3422753	4	Kingpin	
9	3422902	2	Pin, Steer Cylinder	
10	3422903	2	Pin	
11	3841143	6	Shaft, Keeper	
12	3841510	1	Tie-Rod	
13	4130381	1	Spindle - Right Side	
14	4130382	1	Spindle - Left Side	
15	4740111	6	Thrustwasher	
16	4740256	2	Thrustwasher	
17	4740463	2	Thrustwasher	
18	0100011	AR	Compound, Locking	

FIGURE 1-6. 4WS REAR STEERING INSTALLATION (SN 0300075606 through 0300087000)

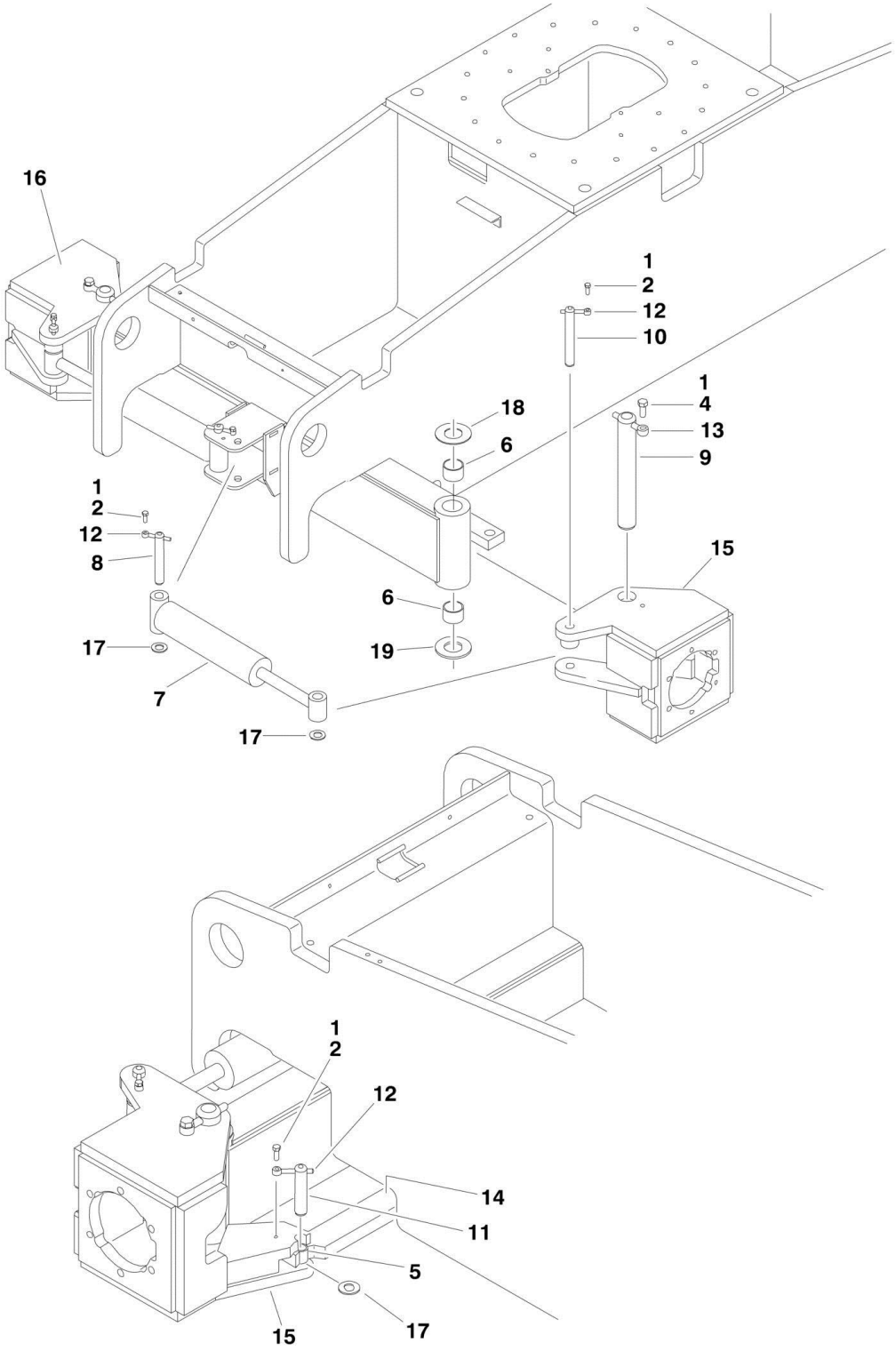


FIGURE 1-6. 4WS REAR STEERING INSTALLATION (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**4WS REAR STEERING INSTALLATIONS OPTIONS:**	
	0273356	Ref	**4WS Installation - 2WD Machines**	1
	0273357	Ref	**4WS Installation - 4WD Machines**	1
	0273080	Ref	**STEERING INSTALLATION**	D
1	0100011	AR	Compound, Locking	
2	0641608	6	Bolt 3/8in-16NC x 1in	
4	0642012	2	Bolt 5/8in-11NC x 1-1/2in	
5	0961977	2	Bushing	
6	0962131	4	Bearing	
7	1683208	2	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
8	3422326	2	Pin, Steer Cylinder	
9	3422900	2	Kingpin	
10	3422902	2	Pin, Steer Cylinder	
11	3422903	2	Pin, Tie-Rod	
12	3841143	6	Shaft, Keeper	
13	3841258	2	Shaft, Keeper	
14	3841510	1	Tie-Rod	
15	4130394	1	Spindle - Left Side	
16	4130395	1	Spindle - Right Side	
17	4740111	6	Thrustwasher	
18	4740256	2	Thrustwasher	
19	4740463	2	Thrustwasher	

FIGURE 1-7. TIRE AND WHEEL DRIVE INSTALLATIONS

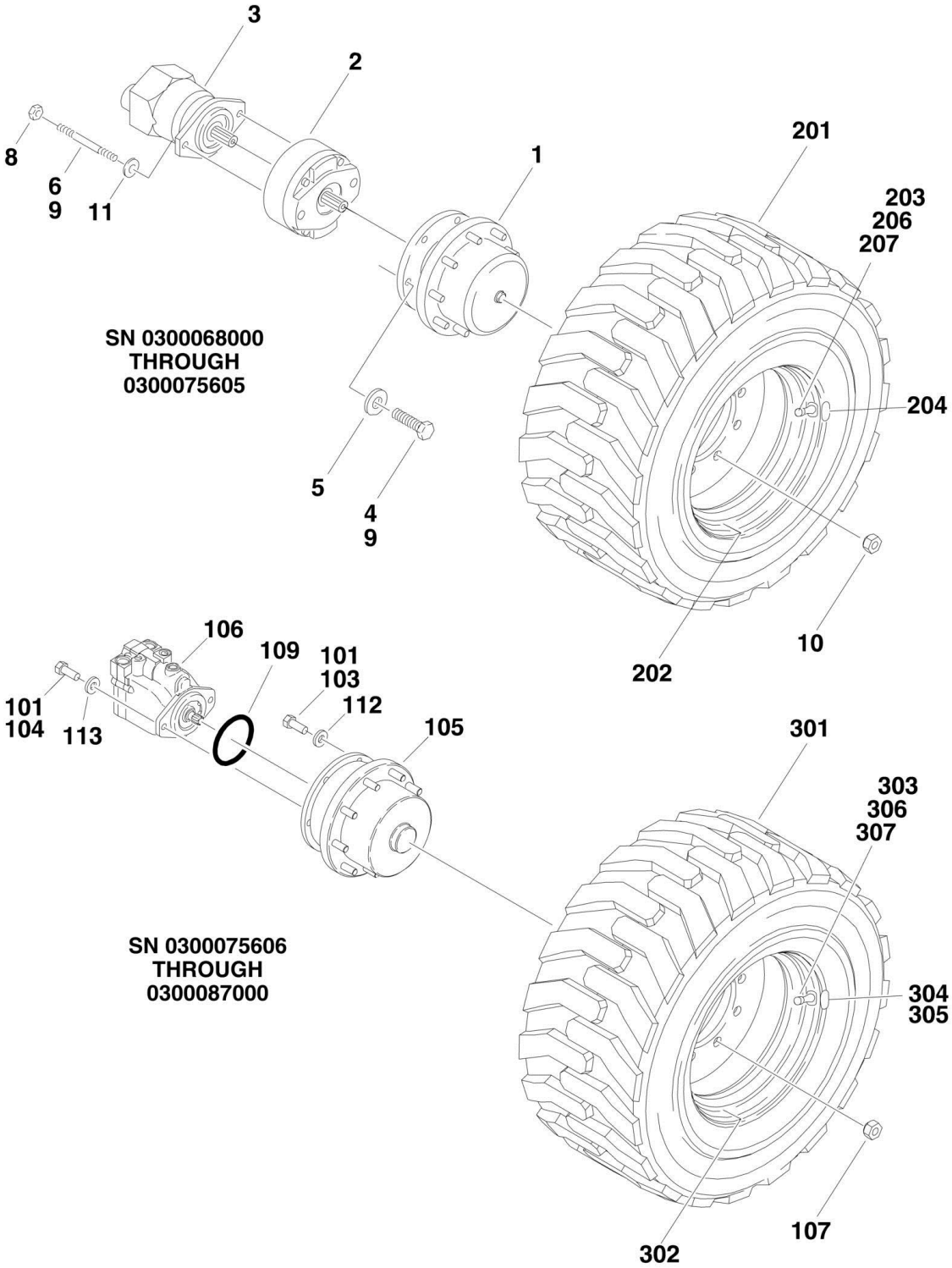


FIGURE 1-7. TIRE AND WHEEL DRIVE INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**WHEEL DRIVE INSTALLATIONS (SN 0300068000 through 0300075605)**	
	0270121	Ref	**Wheel Drive Installation 2WD**	3-B
	0270120	Ref	**Wheel Drive Installation 4WD**	3-B
		Ref	**Note: 2WD Qty Shown. For 4WD, Double Qty Shown.**	
1	2780261	2	Drive Hub Assembly (See DRIVE HUB ASSEMBLY for Breakdown)	
2	0920117	NLA	Drive Brake Assembly (Use p/n 0920119)	
2	7000731	2	Gasket (Located between the Hub, Motor and Brake - Not Shown)	
2	7018612	2	Repair Kit - 0920117 & 0920119 Brakes (1 Per Assembly)	
		Ref	**Note: Other than Gasket, Repair Kit is Only Part Available.**	
3	3160204	2	Drive Motor Assembly (See DRIVE MOTOR ASSEMBLY for Breakdown)	
		Ref	**Note: Adjustment required when replacing complete motor - See Service Manual for adjustment.**	
4	0682016	16	Bolt 5/8in-11NC x 2in (Grade 8)	
5	4892000	16	Flatwasher 5/8in Hardened	
6	4300097	4	Stud 1/2in-13NC x 5-1/8in	
8	3311801	4	Nut 1/2in-13 NC	
9	0100011	AR	Compound, Locking	
10	3300007	20	Nut, Wheel	
11	4891800	4	Flatwasher 1/2in Hardened	
		Ref	**WHEEL DRIVE INSTALLATIONS (SN 0300075606 through 0300087000)**	
	0273049	Ref	**Wheel Drive Installations 2WD/2WS**	D
	0273367	Ref	**Wheel Drive Installations 2WD/4WS**	A
	0273048	Ref	**Wheel Drive Installations 4WD/2WS**	F
	0273366	Ref	**Wheel Drive Installations 4WD/4WS**	E
		Ref	**Note: 2WD Qty Shown. For 4WD, Double Qty Shown.**	
101	0100011	AR	Compound, Locking	
103	0681810	4	Bolt 1/2in-13NC x 1-1/4in (Grade 8)	
104	0682016	12	Bolt 5/8in-11NC x 2in (Grade 8)	
105	2780269	2	Drive Hub Assembly (See DRIVE HUB ASSEMBLY for Breakdown)	
106		Ref	Drive Motor Assembly Options:	
106	3160299	NLA	Drive Motor Assembly 2WD/2WS (Use p/n 3160349) (For p/n 3160299 - See DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) for Breakdown) (For 3160349 Motor - See DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) for Breakdown)	
106	3160300	NLA	Drive Motor Assembly 2WD/4WS, 4WD/2WS & 4WD/4WS (Use p/n 3160350) (For p/n 3160300 - See DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) for Breakdown) (For 3160350 Motor - See DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT) for Breakdown)	
107	3300106	18	Nut, Wheel	
109	3790045	1	O-Ring	
112	4891800	4	Flatwasher 1/2in Hardened	
113		Ref	Flatwasher 5/8in Hardened Options:	
113	4892000	12	Flatwasher 5/8in Hardened **(SN 0300068000 through 0300076042)**	
113	4740393	12	Flatwasher 5/8in Hardened **(SN 0300076043 through**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0300087000)	
		Ref	**TIRE AND WHEEL INSTALLATIONS OPTIONS (SN 0300068000 through 0300075605)**	
	0271618	Ref	**Pneumatic - OTR Tires**	1
	0272297	Ref	**Pneumatic with Sealant - OTR Tires**	1
	0271619	Ref	**Foam-Filled - OTR Tires**	1
		Ref	Tire and Wheel Assembly Options: **(SN 0300068000 through 0300075605)**	
	0271614	2	Pneumatic - OTR Tire (Left Side)	B
	0272317	2	Pneumatic with Sealant - OTR Tire (Left Side)	B
	0271615	2	Pneumatic - OTR Tire (Right Side)	B
	0272318	2	Pneumatic with Sealant - OTR Tire (Right Side)	A
	0271616	2	Foam-Filled - OTR Tire (Left Side)	B
	0271617	2	Foam-Filled - OTR Tire (Right Side)	B
		Ref	**Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly. Note: Foam-Filled Tire and Wheel Assemblies Sold as Assemblies Only.**	
201	4520258	4	Tire 15 x 19.5 (1 Per Assembly)	
202	4860148	4	Rim, Wheel (1 Per Assembly)	
203	4640113	4	Valve, Air (1 Per Assembly)	
204	1702701	4	Decal - 95 PSI	
205	1705364	AR	Decal - Tire Sealant (With Sealant Only)	
206	1300019	AR	Chemical, Tire Sealant (Green) (With Sealant Only)	
207	1120552	AR	Cap, Valve Stem (Green) (With Sealant Only)	
		Ref	**TIRE AND WHEEL INSTALLATIONS OPTIONS**	
	0273001	Ref	**Pneumatic - OTR Tires**	1
	0273242	Ref	**Pneumatic with Sealant - OTR Tires**	1
	0274322	Ref	**Pneumatic Turf/Sand - OTR Tires**	1
	0273238	Ref	**Foam-Filled - OTR Tires**	1
	0274152	Ref	**Foam-Filled - OTR Tires (Non-Marking)**	1
		Ref	Tire and Wheel Assembly Options: **(SN 0300075606 through 0300087000)**	
	0272993	2	Pneumatic - OTR Tire (Right Side)	B
	0272992	2	Pneumatic - OTR Tire (Left Side)	B
	0273244	2	Pneumatic with Sealant - OTR Tire (Right Side)	A
	0273243	2	Pneumatic with Sealant - OTR Tire (Left Side)	B
	4520357	2	Pneumatic Turf/Sand - OTR Tire	A
	0273240	2	Foam-Filled - OTR Tire (Right Side)	B
	0273239	2	Foam-Filled - OTR Tire (Left Side)	B
	4520340	2	Foam-Filled - OTR Tire (Non-Marking) (Right Side)	B
	4520339	2	Foam-Filled - OTR Tire (Non-Marking) (Left Side)	B
		Ref	**Note: Assemblies may require ballast/foam filling to manufacturer's specifications prior to installing on a machine. Refer to Operation and Safety or Service and Maintenance Manuals. Purchase individual tire and/or rim only if able to foam fill tire and wheel assembly, otherwise, purchase complete assembly.**	
301	4520258	4	Tire 15 x 19.5 (1 Per Assembly)	
301	4520356	4	Tire 18 x 625 - Turf/Sand (1 Per Assembly)	
302	4860243	4	Rim, Wheel (1 Per Assembly)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
302	4520355	4	Rim, Wheel - Turf/Sand (1 Per Assembly)	
303	4640113	4	Valve, Air (1 Per Assembly)	
304	1702701	4	Decal - 95 PSI	
304	1702137	4	Decal - 60 PSI (Turf/Sand Tires Only)	
305	1705364	AR	Decal - Tire Sealant (With Sealant Only)	
306	1120552	AR	Chemical, Tire Sealant (Green) (With Sealant Only)	
307	1300019	AR	Cap, Valve Stem (Green) (With Sealant Only)	

FIGURE 1-8. DRIVE HUB ASSEMBLY (SN 0300068000 through 0300075605)

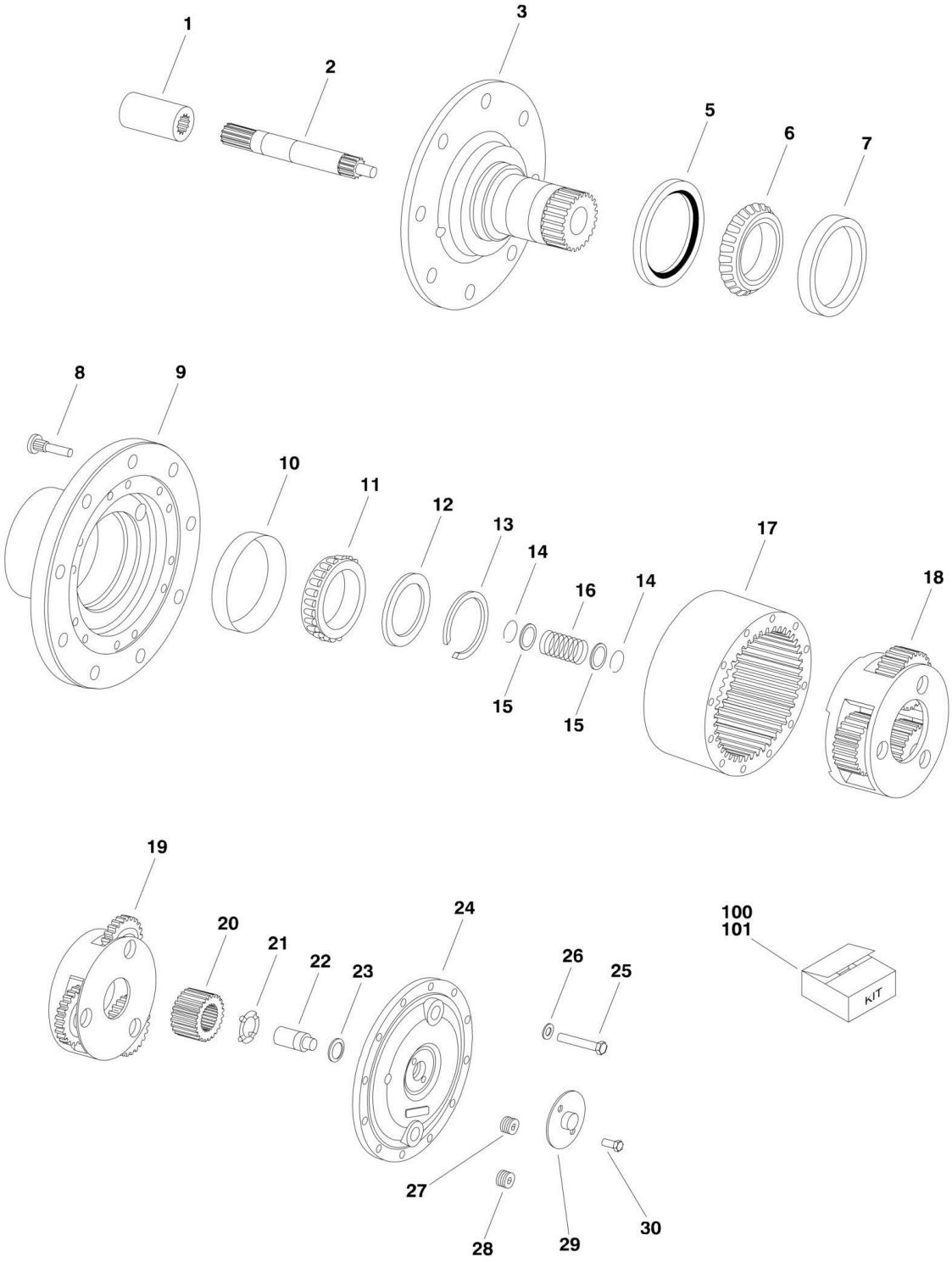


FIGURE 1-8. DRIVE HUB ASSEMBLY (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780261	Ref	**DRIVE HUB ASSEMBLY**	A
1	7014700	1	Coupling - 13 Teeth	
2	7014701	1	Shaft, Input - 13 Teeth	
3	7014731	1	Spindle	
5	7014703	1	Seal, Oil	
6	7014704	1	Cone, Bearing	
7	7014705	1	Cup, Bearing	
8	7014737	10	Bolt, Wheel	
9	7014734	1	Hub	
10	7014707	1	Cup, Bearing	
11	7014708	1	Cone, Bearing	
12	7001711	1	Thrustwasher	
13	7014709	1	Ring, Retaining Kit (Includes Qty 6 Retaining Rings)	
14	7014711	2	Ring, Retaining	
15	7014712	2	Thrustwasher	
16	7014710	1	Spring	
17	7014732	1	Gear, Ring	
18	7014736	1	Secondary Carrier Assembly	
19	7014735	1	Primary Carrier Assembly	
20	7014733	1	Gear, Sun - 15 Teeth	
21	7014722	1	Thrustwasher	
22	7014717	1	Plunger, Disengage	
23	7014718	1	O -Ring	
24	7014719	1	Cover, Hub	
25	7014721	12	Bolt	
26	7014720	12	Flatwasher	
27	7014725	1	Plug, Magnetic	
28	7014726	1	Plug, Pipe	
29	7014723	1	Cover, Disengage	
30	7014724	2	Bolt	
100	7014730	1	Seal Kit (Includes Items 5 & 13)	
101	7014729	1	Bearing and Seal Kit (Includes Items 5, 6, 7, 10, 11 & 13)	

FIGURE 1-9. DRIVE HUB ASSEMBLY (SN 0300075606 through 0300087000)

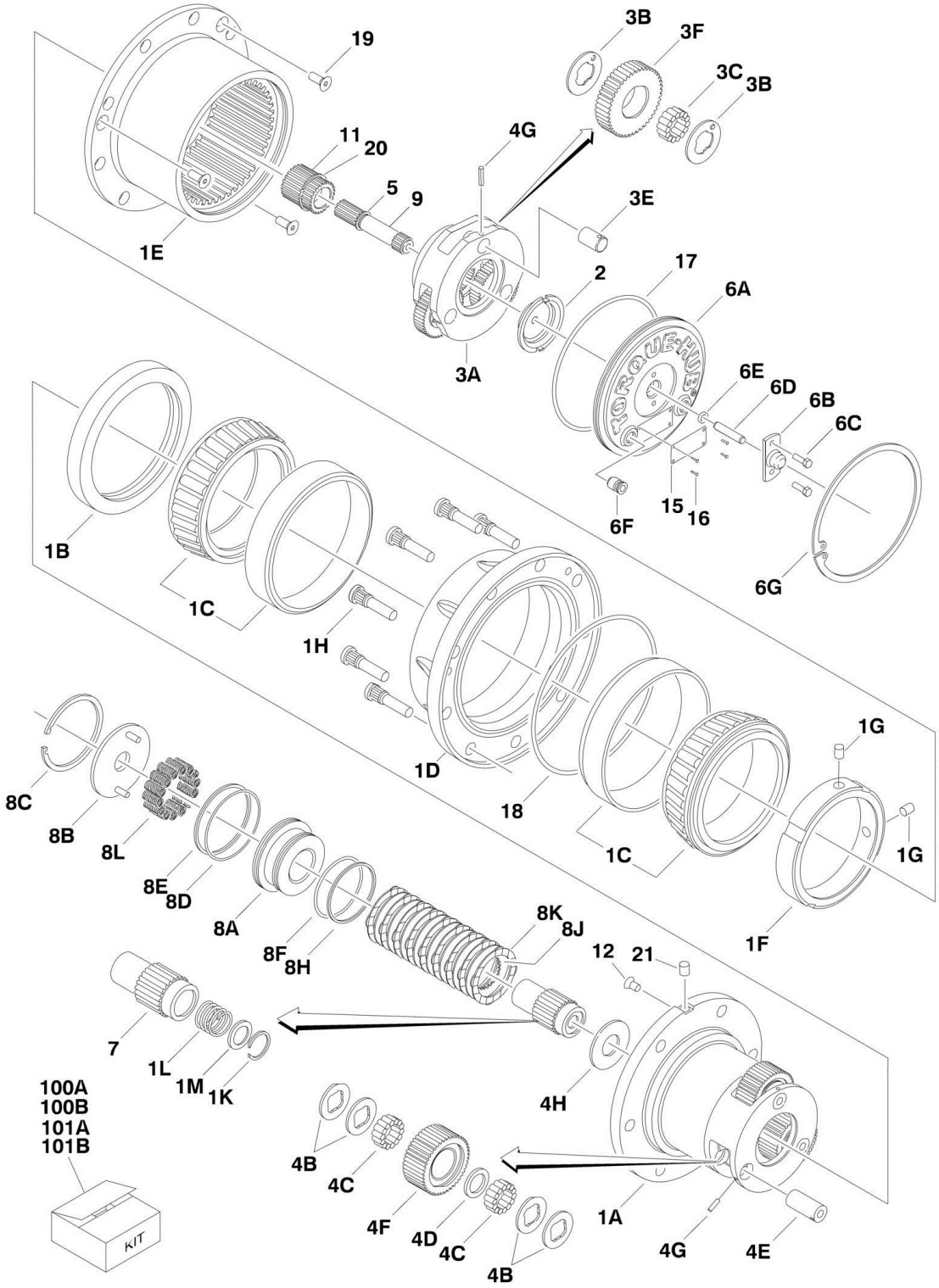


FIGURE 1-9. DRIVE HUB ASSEMBLY (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2780269	Ref	**DRIVE HUB/BRAKE ASSEMBLY**	B
1	See Note	NLA	Spindle/Housing Assembly (Note: Not Available - Purchase p/n 2780269 Complete Replacement. See 1A-1M for Available Components)	
1A	7024729	1	Spindle	
1B	70001119	1	Seal	
1C	7024735	2	Bearing (Includes Cup and Cone)	
1D	2780269	1	Housing (Note: Not Available for Purchase)	
1E	7024730	1	Ring, Gear	
1F	7024744	1	Nut, Bearing	
1G	See Note	NLA	Setscrew 1/4in-28NF x 1/2in (Note: Use Item 100A, 100B, 101A or 101B)	
1H	7024732	9	Stud, Wheel	
1K	7024125	1	Ring, Retaining	
1L	7024124	1	Spring	
1M	7024129	1	Thrustwasher	
2	7024741	1	Thrustwasher	
3	See Note	NLA	Carrier Assembly (Note: Not Available for Purchase. See 3A-3F for Available Components)	
3A	7024725	1	Carrier	
3B	7024127	6	Thrustwasher	
3C	7024733	42	Bearing, Needle	
3E	7024724	3	Shaft, Planet	
3F	7024727	3	Gear, Planet	
4	See Note	NLA	Planet Gear Sub-Assembly (Note: Not Available for Purchase. See 4A-4H for Available Components)	
4B	7024740	12	Thrustwasher	
4C	7024734	84	Bearing, Needle	
4D	7024736	3	Spacer, Thrust	
4E	7024726	3	Shaft, Planet	
4F	7024728	3	Gear, Planet	
4G	7001913	6	Roll Pin	
4H	7024742	1	Thrustwasher	
5	7017027	1	Ring, Retaining	
6	See Note	NLA	Cover Assembly (Note: Not Available for Purchase. See 6A-6G for Available Components)	
6A	7024731	1	Plate, Cover	
6B	7017093	1	Cap, Disengage	
6C	7000216	2	Bolt 1/2in-20NC x 1/2in	
6D	7024739	1	Pin, Dowel	
6E	7017095	1	O-Ring	
6F	7017072	2	Plug, Pipe	
6G	7024738	1	Ring, Retaining	
7	7024722	1	Coupling	
8	See Note	NLA	Brake, Input (Note: Not Available for Purchase. See 8A-8L for Available Components)	
8A	70000782	1	Piston, Brake	
8B	7024743	1	Plate, Pressure	
8C	See Note	NSS	Ring, Retaining (Note: Use Item 101A or 101B)	
8D	See Note	NSS	O-Ring (Note: Use Item 100B or 101A)	
8E	See Note	NSS	Ring, Back-up (Note: Use Item 100B or 101A)	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
8F	See Note	NSS	O-Ring (Note: Use Item 100B or 101A)	
8H	See Note	NSS	Ring, Back-up (Note: Use Item 100B or 101A)	
8J	7024764	8	Rotor, Brake	
8K	7024764	9	Stator, Brake	
8L	7024766	AR	Spring, Brake	
9	7024721	1	Shaft, Input	
11	7024723	1	Gear, Sun	
12	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	
15	See Note	NSS	Plate, ID (Not Shown) (Note: Not Available for Purchase)	
16	7000281	4	Screw, Drive	
17	7024134	1	O-Ring	
18	7024744	1	O-Ring	
19	7017022	3	Screw, Countersunk 3/8in-16NC	
20	7024737	1	Ring, Retaining	
21	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	
100		Ref	Seal Kit Options:	
100A	7024744	1	Hub Seal Kit (Includes Items 1B, 1F, 1G, 17, 18 & 19)	
100B	7024765	1	Brake Seal Kit (Includes Items 1G, 8C, 8D, 8E, 8F & 8H)	
101		Ref	Repair Kit Options:	
101A	7024764	1	Brake Lining Kit (Includes Items 1G, 8C, 8D, 8F, 8E, 8H, 8J & 8K)	
101B	7024766	1	Brake Spring Kit (Includes Items 1G, 8C & 8L)	

FIGURE 1-10. DRIVE MOTOR ASSEMBLY (SN 0300068000 through 0300075605)

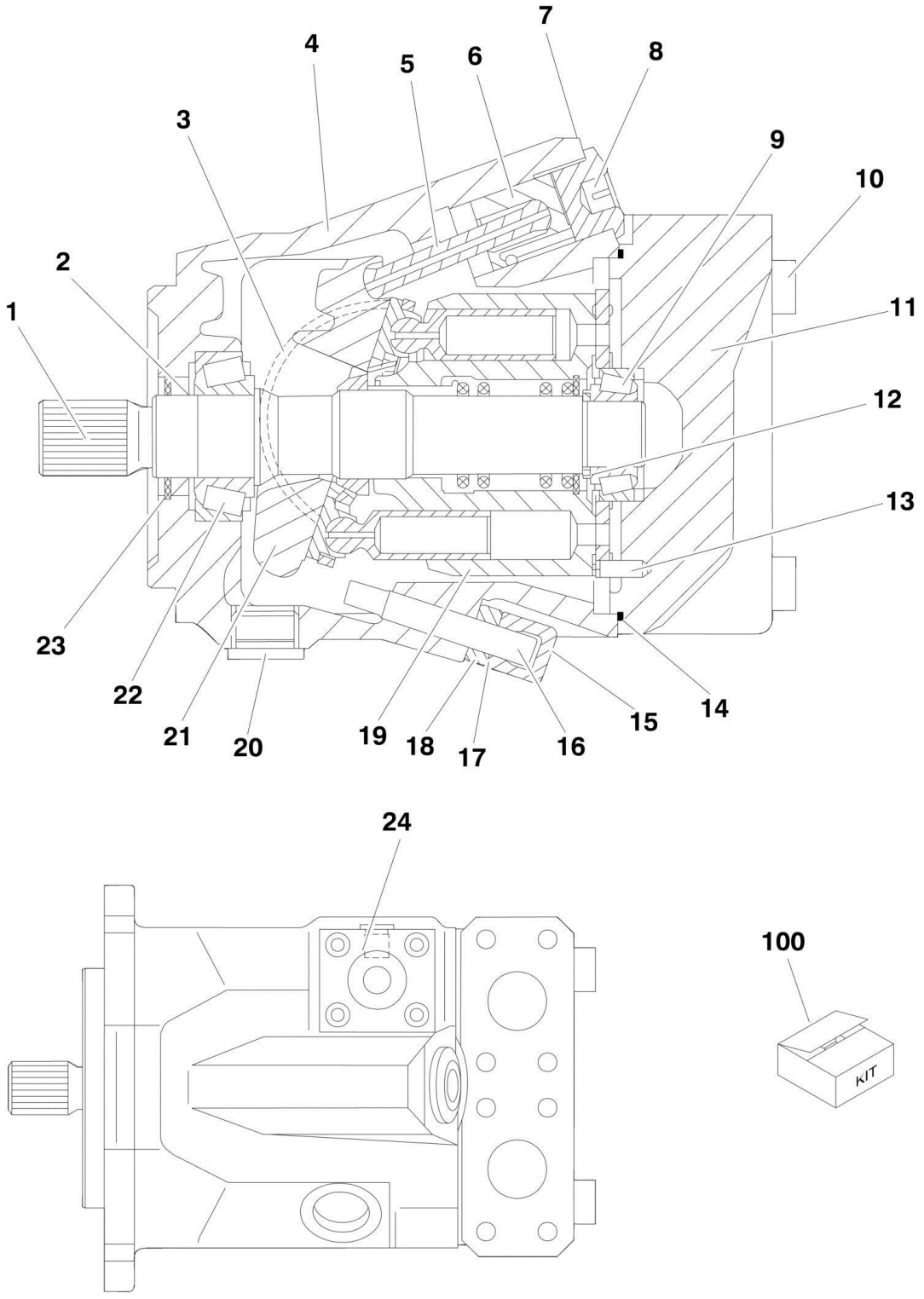


FIGURE 1-10. DRIVE MOTOR ASSEMBLY (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3160204	Ref	**DRIVE MOTOR ASSEMBLY**	A
1	7012701	1	Shaft - 13 Teeth	
2	See Note	NSS	Seal, Shaft (Note: Use Item 100)	
3	7012702	2	Bearing, Cradle	
4	See Note	NSS	Housing (Note: Not Available - Purchase Complete Drive Motor Assembly)	
5	7012703	1	Rod, Piston	
6	7012704	1	Piston, Stroking	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
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	See Note	NSS	O-Ring (Note: Use Item 100)	
15	7012711	1	Nut, Cap M10 x 1	
16	7012712	1	Screw, Adjusting	
17	See Note	NSS	O-Ring (Note: Use Item 100)	
18	7012713	1	Nut, Jam M10 x 1	
19	7012716	1	Rotary Group Assembly	
20	See Note	NSS	Plug (Note: Not Available - Purchase Locally)	
21	7024036	1	Plate, Swash	
22	7012714	1	Bearing, Roller	
23	7012715	1	V-Ring	
24	7012700		Control Plate Assembly **(Prior to SN 0300029852)**	
100	2900788	1	Seal Kit (Includes Items 2, 7, 14, 17 and O-Rings under Item 24)	

FIGURE 1-11. DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) (SN 0300075606 through 0300087000)

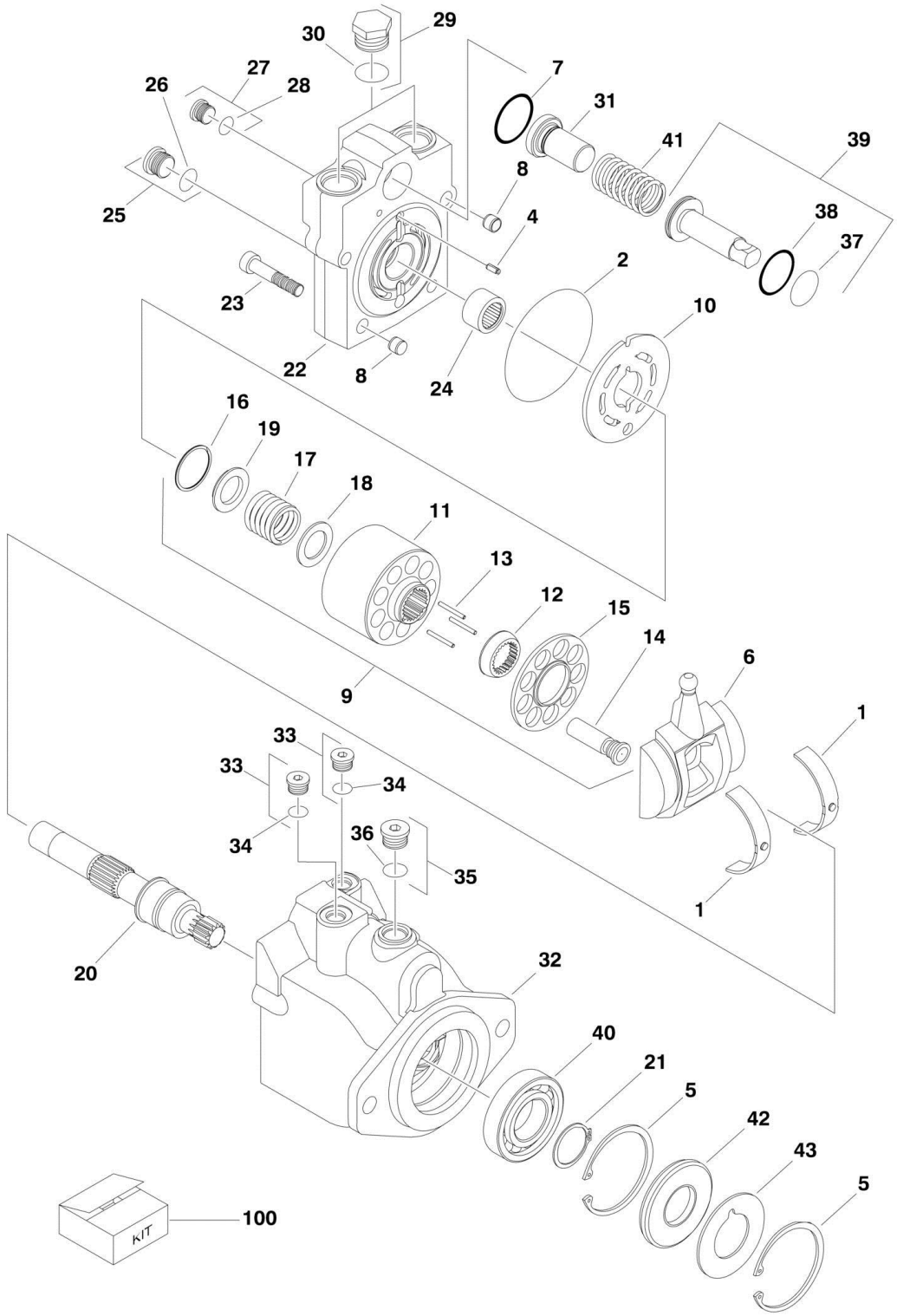


FIGURE 1-11. DRIVE MOTOR ASSEMBLY (ORIGINAL EQUIPMENT) (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DRIVE MOTOR ASSEMBLY**	
	3160299	Ref	**Drive Motor Assembly 2WD/2WS**	C
	3160300	Ref	**Drive Motor Assembly 2WD/4WS, 4WD/2WS & 4WD/4WS**	C
		Ref	**Note: Original Equipment Motor p/n 3160299 & p/n 3160300 uses 4 bolts to assemble the motor. Service Replacement Motor p/n 3160349 & p/n 3160350 motors use 5 bolts to assemble the motor. Visually identify component before ordering parts. If equipped with p/n 3160349 or p/n 3160350 refer to next illustration.**	
1	7022302	2	Bearing, Journal	
2	See Note	NSS	O-Ring (Note: Use Item 100)	
3	See Note	NSS	O-Ring (Note: Use Item 100)	
4	7007446	1	Pin	
5	7007438	2	Ring, Retaining	
6	7024861	1	Swash Plate	
7	See Note	NSS	O-Ring (Note: Use Item 100)	
8	7007435	2	Pin	
9	7022320	1	Cylinder Block Kit (Includes Items 11-19)	
10	7024862	1	Plate, Valve	
11	7024863	1	Block, Cylinder	
12	7024864	1	Guide, Slipper Retainer	
13	7021275	3	Pin, Slipper Hold Down	
14	7024865	9	Piston Assembly	
15	7024866	1	Retainer, Slipper	
16	7022311	1	Ring, Retaining	
17	7024867	1	Spring	
18	7024868	1	Washer	
19	7022314	1	Retainer, Spring	
20	7023910	1	Shaft	
21	7007439	1	Ring, Retaining	
22	7024869	1	Cap, End - Axial	
23	7022368	4	Screw	
24	7021249	1	Bearing, Needle	
25	7022321	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 100)	
27	7022318	1	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 100)	
29	7027419	2	Plug (Includes Item 30)	
30	See Note	NSS	O-Ring (Note: Use Item 29 or 100)	
31		Ref	Seat, Spring Options:	
31	7024853	1	Seat, Spring 2WD/2WS	
31	7022372	1	Seat, Spring 2WD/4WS, 4WD/2WS & 4WD/4WS	
32	7022370	1	Housing	
33	7022318	2	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 100)	
35	7022321	1	Plug (Includes Item 36)	
36	See Note	NSS	O-Ring (Note: Use Item 35 or 100)	
37	See Note	NSS	O-Ring (Note: Use Item 100)	
38	See Note	NSS	Ring, Seal (Note: Use Item 100)	
39	7024871	1	Piston, Servo	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	7007437	1	Bearing	
41	7022326	1	Spring	
42	See Note	NSS	Seal, Lip (Note: Use Item 100)	
43	7022371	1	Washer, Support	
100	7022328	1	Seal Kit (Includes Items 2, 3, 7, 26, 28, 30, 34, 36, 37, 38 & 42)	

FIGURE 1-12. DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT)

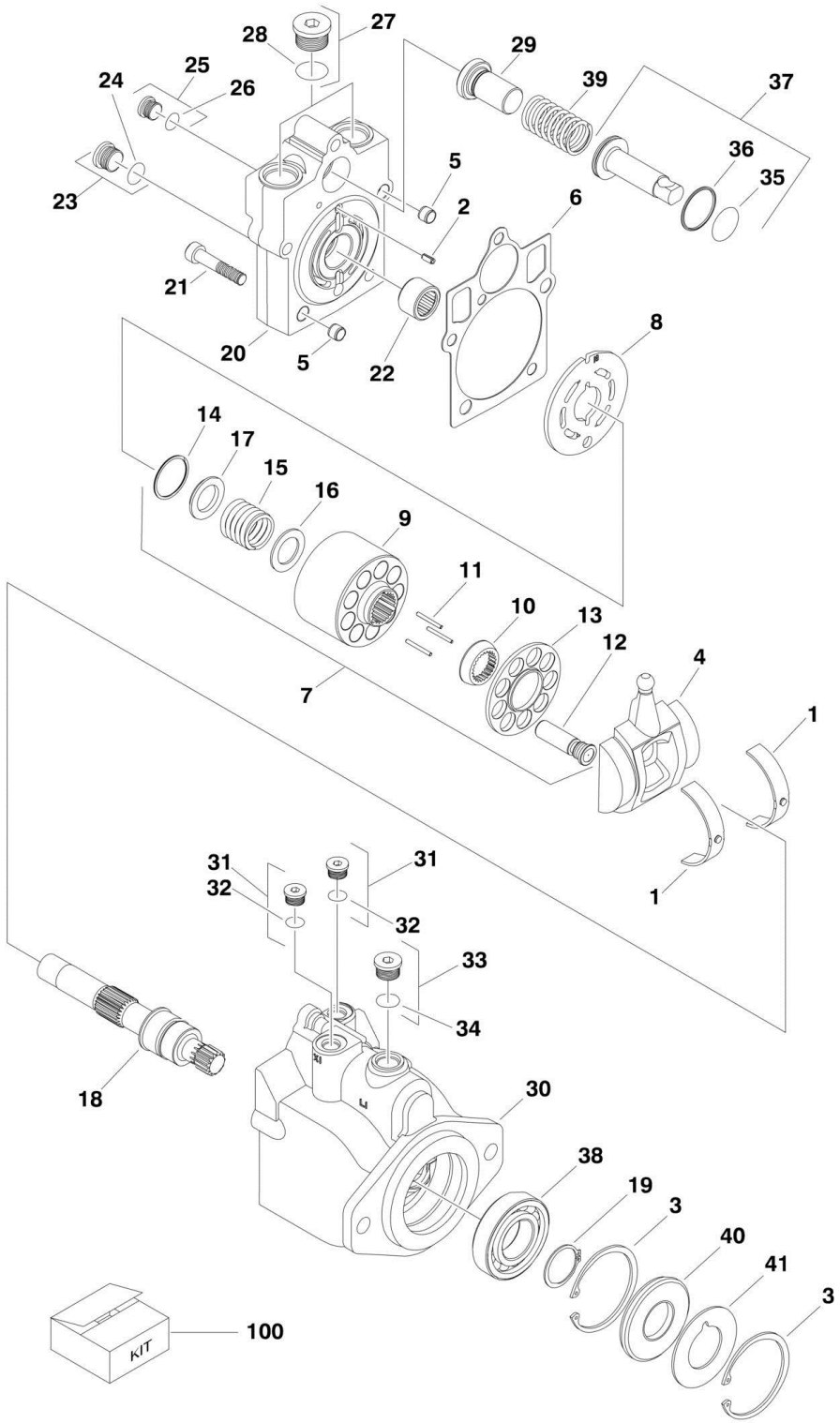


FIGURE 1-12. DRIVE MOTOR ASSEMBLY (SERVICE REPLACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DRIVE MOTOR ASSEMBLY**	
	3160349	Ref	**Service Replacement Motor for p/n 3120299**	B
	3160350	Ref	**Service Replacement Motor for p/n 3120300**	B
1	7022302	2	Bearing, Journal	
2	7007446	1	Pin	
3	7007438	2	Ring, Retaining	
4	70000794	1	Swash Plate	
5	See Note	NSS	Pin (Note: Not Available for Purchase)	
6	See Note	NSS	Gasket (Note: Use Item 100)	
7	7027740	1	Cylinder Block Kit (Includes Items 9-17)	
8	7024862	1	Plate, Valve	
9	7027740	1	Block, Cylinder	
10	7027740	1	Guide, Slipper Retainer	
11	7021275	3	Pin, Slipper Hold Down	
12	7024865	9	Piston Assembly	
13	7027740	1	Retainer, Slipper	
14	7022311	1	Ring, Retaining	
15	7024867	1	Spring	
16	7022313	1	Washer	
17	7022314	1	Retainer, Spring	
18	7023910	1	Shaft	
19	7007439	1	Ring, Retaining	
20	70000795	1	Cap, End - Axial	
21	7022368	5	Screw	
22	7021249	1	Bearing, Needle	
23	2220886	1	Plug (Includes Item 24)	
24	See Note	NSS	O-Ring (Note: Use Item 23 or 100)	
25	2220883	1	Plug (Includes Item 26)	
26	See Note	NSS	O-Ring (Note: Use Item 25 or 100)	
27	7027419	2	Plug (Includes Item 28)	
28	See Note	NSS	O-Ring (Note: Use Item 27 or 100)	
29		Ref	Seat, Spring Options:	
29	7024853	1	Seat, Spring 2WD/2WS	
29	7022372	1	Seat, Spring 2WD/4WS, 4WD/2WS & 4WD/4WS	
30	See Note	NSS	Housing (Note: Not Available - Purchase Complete Drive Motor Assembly)	
31	2220883	2	Plug (Includes Item 32)	
32	See Note	NSS	O-Ring (Note: Use Item 31 or 100)	
33	2220886	1	Plug (Includes Item 34)	
34	See Note	NSS	O-Ring (Note: Use Item 33 or 100)	
35	See Note	NSS	O-Ring (Note: Use Item 100)	
36	See Note	NSS	Ring, Seal (Note: Use Item 100)	
37	7024871	1	Piston, Servo	
38	7007437	1	Bearing	
39	7022326	1	Spring	
40	See Note	NSS	Seal, Lip (Note: Use Item 100)	
41	7022371	1	Washer, Support	
100	7022328	1	Seal Kit (Includes Items 6, 24, 26, 28, 32, 34, 35, 36 & 40)	

FIGURE 1-13. DRIVE VALVES AND SHIELDS INSTALLATION (FRAME MOUNTED) (SN 0300068000 through 0300075605)

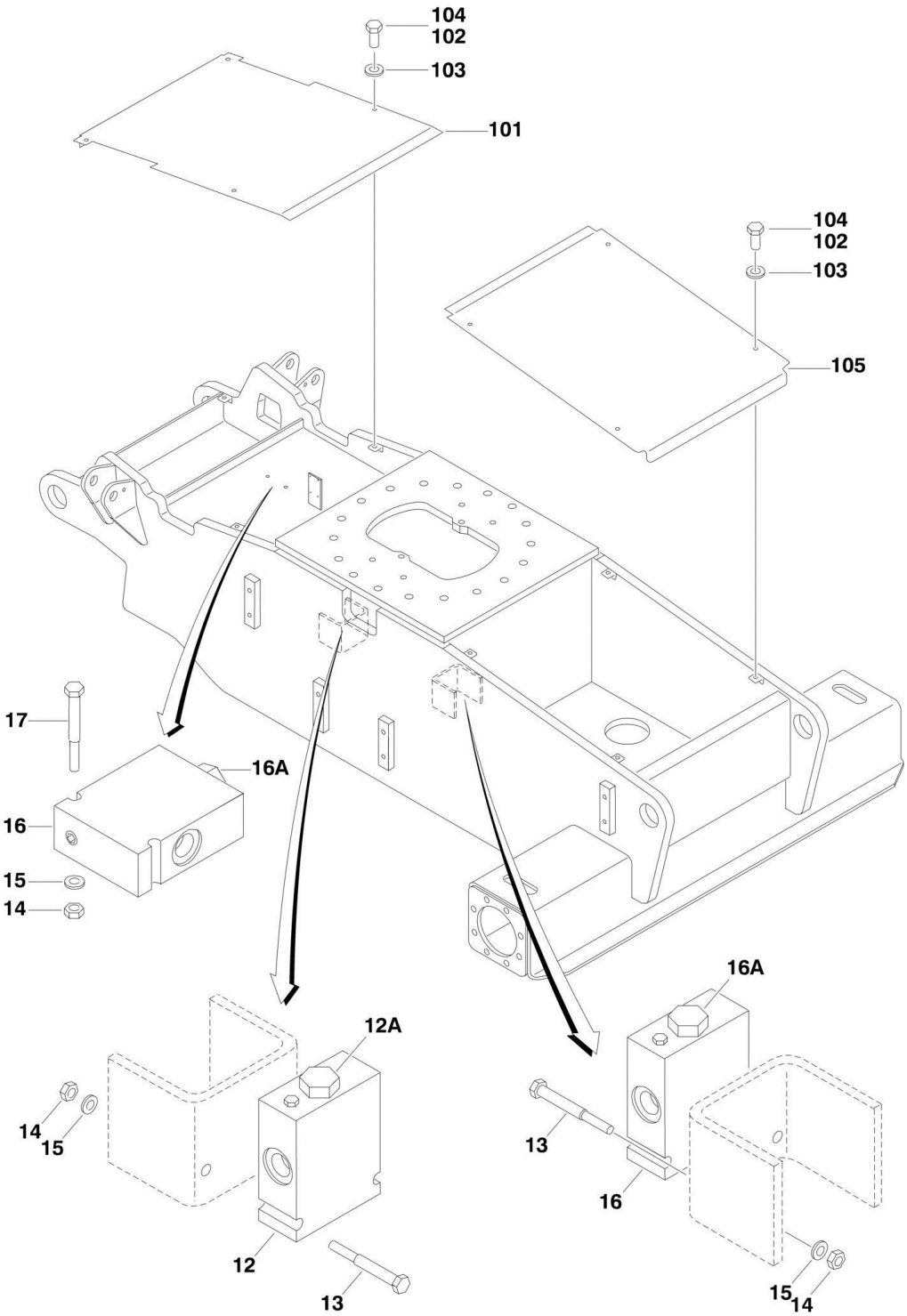


FIGURE 1-13. DRIVE VALVES AND SHIELDS INSTALLATION (FRAME MOUNTED) (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DRIVE VALVES INSTALLATION OPTIONS:**	
	0270121	Ref	**Drive Valves Installation 2WD**	3-B
	0270120	Ref	**Drive Valves Installation 4WD**	3-B
12	4640923	1	Valve, Flow Divider	
12A	7017442	1	Cartridge, Flow Divider	
12A	7012980	1	Seal Kit - 7017442 Cartridge	
12A	7012993	1	Plug, Orifice	
13	0641522	AR	Bolt 5/16in-18NC x 2-5/8in	
14	3311505	AR	Locknut 5/16in-18NC	
15	4751500	AR	Flatwasher 5/16in	
16		Ref	Flow Divider Valve Assembly Options:	
16	Not Required	0	Flow Divider Valve Assembly 2WD	
16	4640937	2	Flow Divider Valve Assembly 4WD	
16A	7012978	2	Cartridge (1 Per Valve)	
16A	7012980	2	Seal Kit - 7012978 Cartridge (1 Per Valve)	
16A	7012994	1	Plug, Orifice	
17	0641520	AR	Bolt 5/16in-18NC x 2-1/2in	
18	4060808	3.5 ft /1.06m	Shield, Flex Trim (Not Shown)	
		Ref	**FRAME SHIELDS INSTALLATION**	
	0254856	Ref	**Frame Shields Installation 2WS**	-
	0254857	Ref	**Frame Shields Installation 4WS**	-
101	4060870	1	Shield, Frame - Front	
102	0641608	AR	Bolt, 3/8in-16NC x 1in	
103	4751600	AR	Flatwasher, 3/8in	
104	0100011	AR	Compound, Locking	
105		Ref	Shield, Frame - Rear	
105	Not Required	0	Shield, Frame - Rear 2WS	
105	4060874	1	Shield, Frame - Rear 4WS	

FIGURE 1-14. DRIVE VALVES AND SHIELDS INSTALLATION (FRAME MOUNTED) (SN 0300075606 through 0300087000)

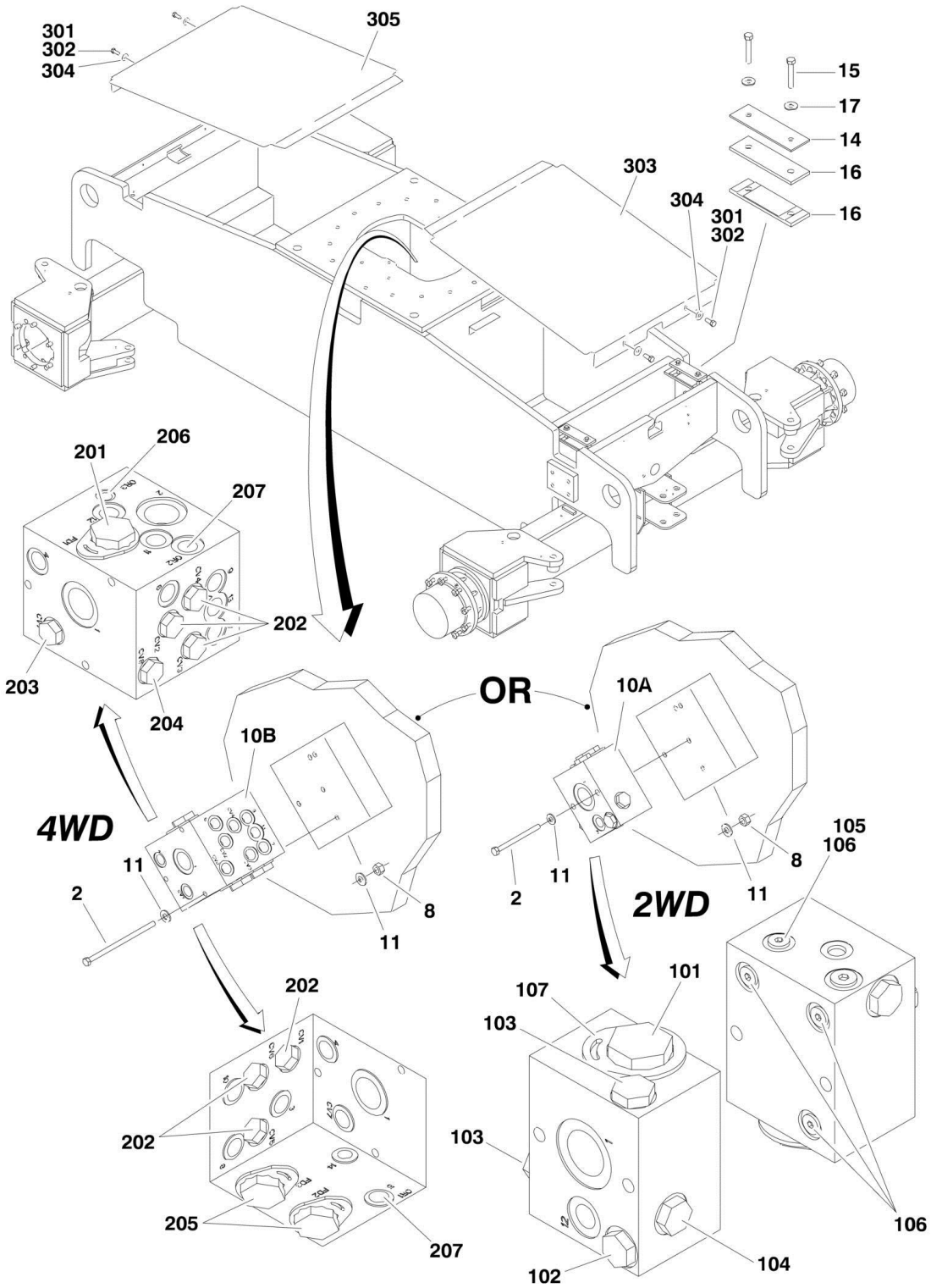


FIGURE 1-14. DRIVE VALVES AND SHIELDS INSTALLATION (FRAME MOUNTED) (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DRIVE VALVES INSTALLATION OPTIONS:**	
	0273049	Ref	**Drive Valves Installation 2WD/2WS**	D
	0273367	Ref	**Drive Valves Installation 2WD/4WS**	A
	0273048	Ref	**Drive Valves Installation 4WD/2WS**	F
	0273366	Ref	**Drive Valves Installation 4WD/4WS**	E
2		Ref	Bolt 5/16in-18NC Options:	
2	0641532	2	Bolt 4in Length 2WD	
2	0641552	3	Bolt 6-1/2in Length 4WD	
8	3311505	AR	Locknut 5/16in-18NC	
10		Ref	Flow Divider Valve Assembly Options:	
10A		Ref	2WD Options (See Items 101-107 for Breakdown):	
10A	4641287	1	2WD **(SN 0300075606 through 0300086891)**	
10A	4641409	NLA	2WD (Use p/n 1001100120) **(SN 0300086892 through 0300087000)**	
10B		Ref	4WD Options (See Items 201-207 for Breakdown):	
10B	4641280	1	4WD **(SN 0300075606 through 0300086891)**	
10B	4641410	NLA	4WD (Use p/n 1001098503) **(SN 0300086892 through 0300087000)**	
11	4711500	AR	Flatwasher 5/16in Thin	
14		Ref	Bar, Clamping	
14	Not Required	0	Bar, Clamping 2WD/2WS	
14	0363012	2	Bar, Clamping 2WD/2WS, 4WD/2WS & 4WD/4WS	
15	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
16	3340911	4	Rubber, Clamp	
17	4751600	4	Flatwasher 3/8in Regular	
		Ref	**FLOW DIVIDER ASSEMBLIES 2WD**	
	4641287	Ref	**Flow Divider Assemblies (SN 0300075606 through 0300086891)**	C
	4641409	Ref	**Flow Divider Assemblies (SN 0300086892 through 0300087000)**	A
	1001100120	Ref	**Service Replacement for 4641409**	A
		Ref	**Note: Original Equipment Valve may have been replaced with Service Replacement Valve p/n 1001098503. Identify p/n stamped on Valve before ordering parts.**	
101	7023933	1	Valve, Cartridge (Flow Divider)	
101	7021625	1	Seal Kit - Flow Divider Cartridge	
102	7024850	1	Valve, Cartridge (Check) (Used with p/n 4641287)	
102	7024892	1	Valve, Cartridge (Check) (Used with p/n 4641409 & p/n 1001100120)	
102	7023936	1	Seal Kit - Check Cartridge	
103	7022397	2	Valve, Cartridge (Check)	
103	7022399	2	Seal Kit - Check Cartridge	
104	7023935	1	Valve, Cartridge (Check)	
104	7023936	1	Seal Kit - Check Cartridge	
105	70002063	1	Orifice (Used with p/n 1001100120)	
106	7017406	4	Plug (Used with p/n 1001100120)	
107	70000781	1	Kit, Lock Down (Used with p/n 1001100120)	
		Ref	**FLOW DIVIDER ASSEMBLIES (4WD)**	
	4641280	Ref	**Flow Divider Assemblies (SN 0300075606 through 0300086891)**	C

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641410	Ref	**Flow Divider Assemblies (SN 0300086892 through 0300087000)**	B
	1001098503	Ref	**Service Replacement for 4641410**	A
		Ref	**Note: Original Equipment Valve may have been replaced with Service Replacement Valve p/n 1001098503. Identify p/n stamped on Valve before ordering parts.**	
201	7023933	1	Valve, Cartridge (Flow Divider)	
201	7021625	1	Seal Kit - Flow Divider Cartridge	
202	7022397	6	Valve, Cartridge (Check) (Used with p/ns 4641280 & 4641410)	
202	70003408	6	Valve, Cartridge (Check) (Used with p/n 1001098503)	
202	7022399	6	Seal Kit - Check Cartridge	
203	7023935	1	Valve, Cartridge (Check)	
203	7023936	1	Seal Kit - Check Cartridge	
204	7024850	1	Valve, Cartridge (Check) (Used with p/n 4641280)	
204	7024892	1	Valve, Cartridge (Check) (Used with p/ns 4641410 & 1001098503)	
204	7023936	1	Seal Kit - Check Cartridge	
205	7023917	2	Valve, Cartridge (Flow Divider)	
205	7021625	2	Seal Kit - Flow Divider Cartridge	
206	70002063	1	Plug, Orifice	
207	70002064	2	Plug, Orifice	
		Ref	**FRAME SHIELDS INSTALLATION**	
	0273067	Ref	**Frame Shields Installation 2WS**	A
	0273362	Ref	**Frame Shields Installation 4WS**	A
301	0100011	AR	Compound, Locking	
302	0641607	AR	Bolt, 3/8in-16NC x 7/8in	
303	4061058	1	Shield, Frame - Front	
304	4751600	AR	Flatwasher, 3/8in Regular	
305		Ref	Shield, Frame - Rear	
305	Not Required	0	Shield, Frame - Rear 2WS	
305	4061058	1	Shield, Frame - Rear 4WS	

FIGURE 1-15. TOW PACKAGE INSTALLATION (OPTIONAL) (SN 0300068000 through 0300075605)

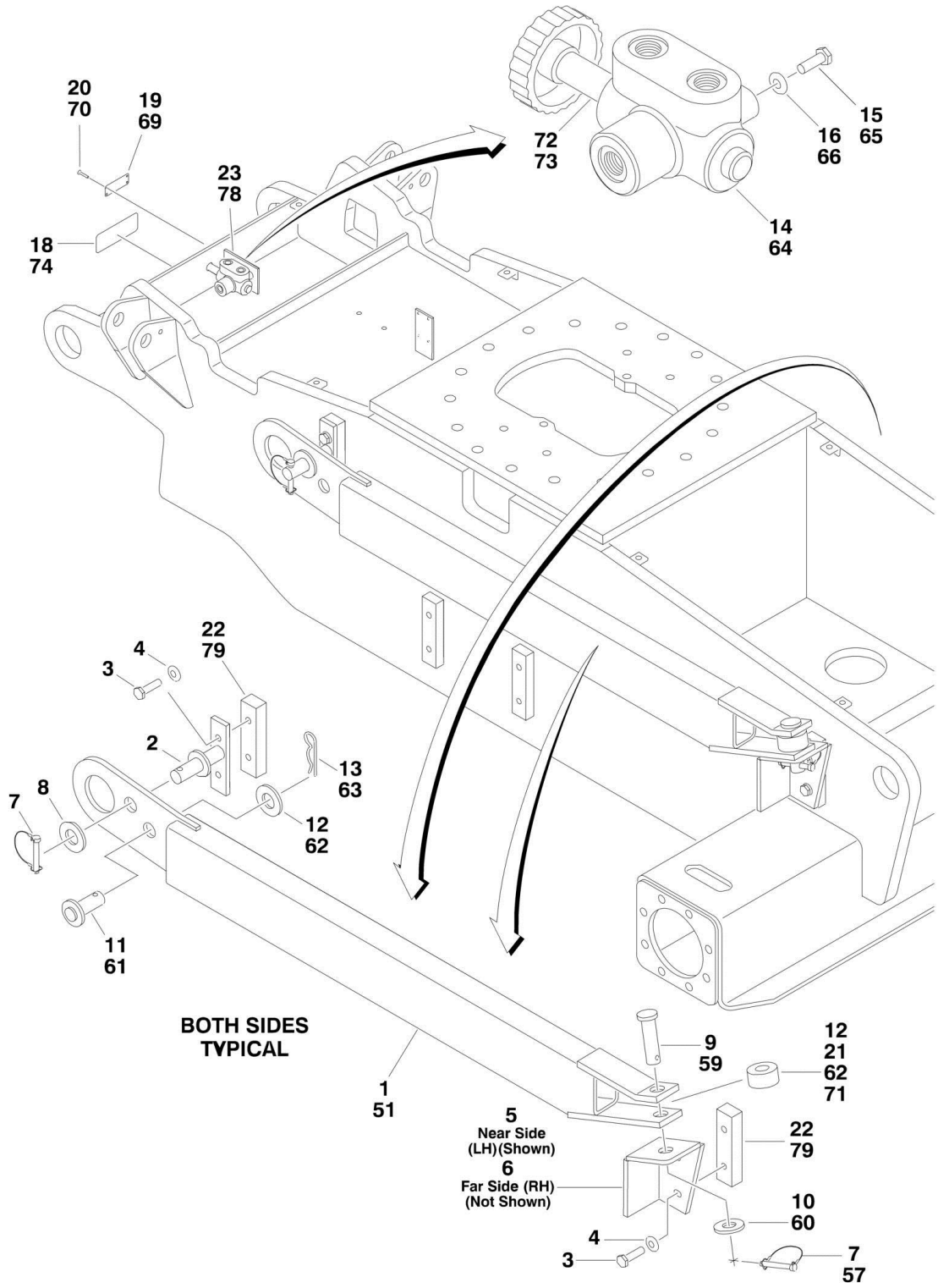


FIGURE 1-15. TOW PACKAGE INSTALLATION (OPTIONAL) (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**TOW PACKAGE INSTALLATION - 2WS OPTIONS:**	
	0255363	Ref	**Tow Package Installation ANSI Spec Machines**	6
	0259424	Ref	**Tow Package Installation CSA Spec Machines**	1
1	4845281	2	Tow Bar Weldment	
2	4845283	2	Bracket, Tow Bar Storage (Front)	
3	0641608	8	Bolt 3/8in-16NC x 1in	
4	4711600	8	Flatwasher 3/8in	
5	4845282	1	Bracket, Tow Bar Storage (Rear Left Side)	
6	4845286	1	Bracket, Tow Bar Storage (Rear Right Side)	
7	3421453	4	Snap-Pin	
8	4712600	1	Flatwasher 1in Narrow	
9	3422552	2	Pin, Tow Bar	
10	4713400	2	Flatwasher 1-1/2in Narrow	
11	3422553	1	Pin, Tow Bar	
12	4713000	2	Flatwasher 1-1/4in	
13	3420592	2	Hairpin	
14	4640261	1	Valve, Tow	
15	0641505	2	Bolt 5/16in-18NC x 5/8in	
16	4711500	2	Flatwasher 5/16in	
18		Ref	Decal Options:	
18	1702968	1	Decal ANSI Spec Machines	
18	1704273	1	Decal CSA Spec Machines	
19		Ref	Nameplate Options:	
19	3250872	1	Nameplate ANSI Spec Machines	
19	1704272	1	Nameplate CSA Spec Machines	
20		Ref	Rivet Options:	
20	3820001	4	Rivet ANSI Spec Machines	
20	Not Required	0	Rivet CSA Spec Machines	
21	4566971	2	Spacer, Tube	
22	0362519	4	Bar, Tow Clamp	
23	3539662	1	Plate, Valve Mount	
		Ref	**TOW PACKAGE INSTALLATION - 4WS (OPTIONAL)**	
	0258886	Ref	**Tow Package Installation ANSI Spec Machines**	3-B
	0259425	Ref	**Tow Package Installation CSA Spec Machines**	1-A
51	4845281	2	Tow Bar Weldment	
52 to 56	Not Required	0	Not Required	
57	3421453	2	Snap-Pin	
58	Not Required	0	Not Required	
59	3422552	2	Pin, Tow Bar	
60	4713400	2	Flatwasher 1-1/4in	
61	3422553	1	Pin, Tow Bar	
62	4713000	2	Flatwasher 1-1/4in	
63	3420592	1	Hairpin	
64	4640261	1	Valve, Tow	
65	0641505	2	Bolt 5/16in-18NC x 5/8in	
66	4711500	2	Flatwasher 5/16in	
68	Not Required	0	Not Required	
69		Ref	Nameplate Options:	
69	3250872	1	Nameplate ANSI Spec Machines	
69	1704272	1	Nameplate CSA Spec Machines	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
70		Ref	Rivet Options:	
70	3820001	4	Rivet ANSI Spec Machines	
70	Not Required	0	Rivet CSA Spec Machines	
71	4566971	2	Spacer, Tube	
72		Ref	Rod, Extension Options:	
72	3841329	1	Rod, Extension ANSI Spec Machines	
72	3841322	1	Rod, Extension CSA Spec Machines	
73	4761600	1	Lockwasher 5/16in	
74		Ref	Decal Options:	
74	1703403	1	Decal ANSI Spec Machines	
74	1704276	1	Decal CSA Spec Machines	
75	1703404	2	Decal, Match Arrow (Not Shown)	
76	1703444	1	Decal (Not Shown)	
77		Ref	Decal (Not Shown) Options:	
77	1703450	1	Decal (Not Shown) ANSI Spec Machines	
77	1704274	1	Decal (Not Shown) CSA Spec Machines	
78	3539662	1	Plate, Valve Mount	
79	0362519	4	Bar (ANSI Spec Machines Only)	

FIGURE 1-16. TOW PACKAGE INSTALLATION (OPTIONAL) (SN 0300075606 through 0300087000)

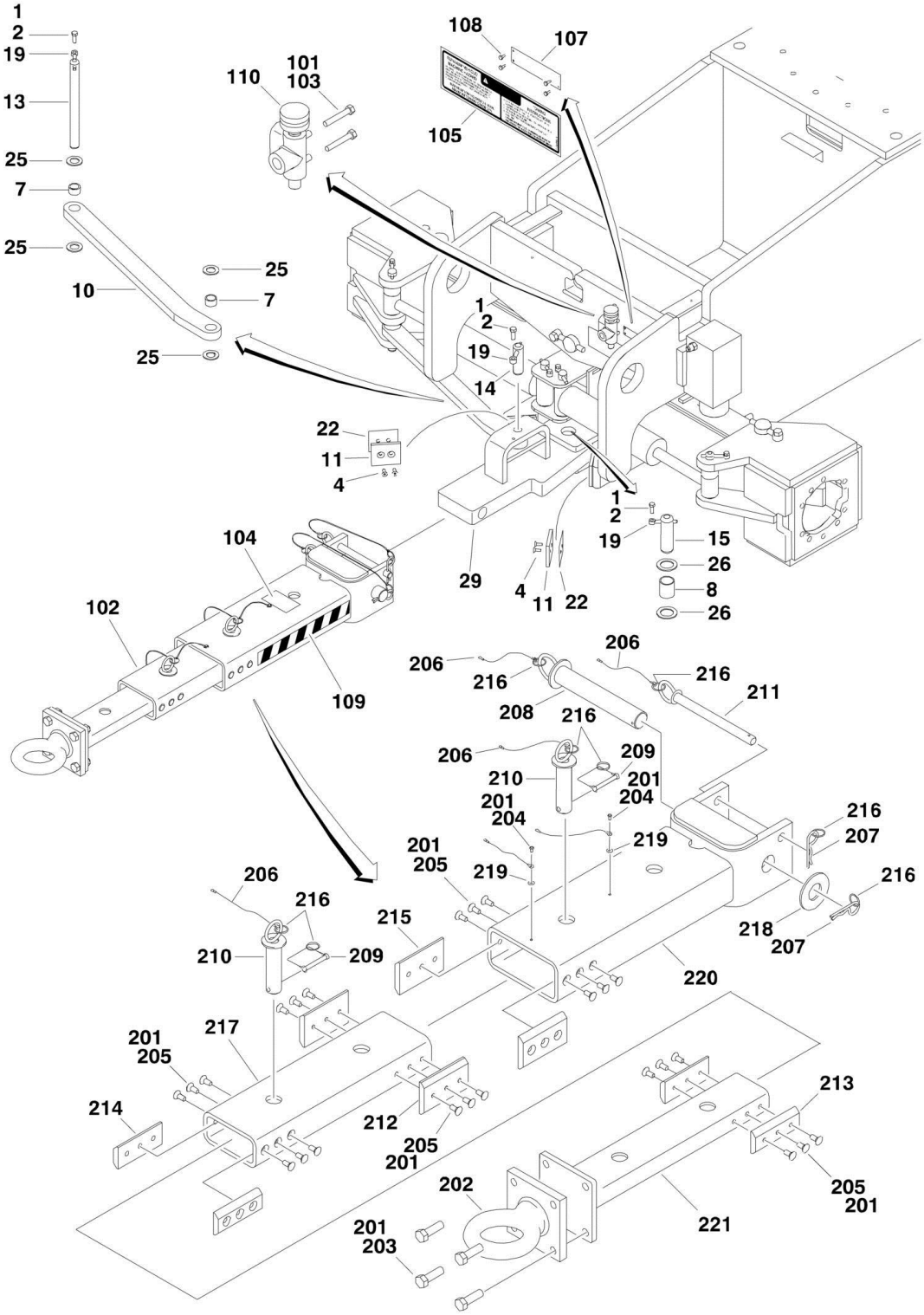


FIGURE 1-16. TOW PACKAGE INSTALLATION (OPTIONAL) (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**TOW PACKAGE INSTALLATION**	
	0273422	Ref	**Tow Package Installation 2WD**	A
	0273394	Ref	**Tow Package Installation 4WD**	A
1	0100011	AR	Compound, Locking	
2	0641608	3	Bolt 3/8in-16NC x 1in	
4	0741607	4	Screw, Countersunk 3/8in-16NC x 7/8in	
7	0962292	2	Bearing	
8	0962348	1	Bearing	
10	3010125	1	Link, Steer	
11	3340966	2	Pad, Stop	
13	3422567	1	Pin	
14	3422813	1	Pin	
15	3422848	1	Pin	
19	3841143	3	Keeper, Pin	
22	4071059	2	Shim	
25	4740111	3	Thrustwasher	
26	4740155	2	Thrustwasher	
29	4846935	1	Bar, Pivot	
		Ref	**TOW BAR INSTALLATION**	
	0273398	Ref	**Tow Bar Installation ANSI Spec**	B
	0273448	Ref	**Tow Bar Installation CSA Spec**	A
101	0100011	AR	Compound, Locking	
102	0270528	1	Bar Assembly (See Items 201-221 for Breakdown)	
103	0641516	2	Bolt 5/16in-18NC x 2in	
104	1704578	2	Decal - Crushing	
105		Ref	Decal - Towing Instructions Options:	
105	1705090	1	Decal - Towing ANSI Spec	
105	1705820	1	Decal - Towing CSA Spec	
107		Ref	Nameplate - Steer/Tow Select Valve Options:	
107	3250872	1	Nameplate - Steer/Tow ANSI Spec	
107	1704272	1	Nameplate - Steer/Tow CSA Spec	
108	3940604	4	Screw, Self-Tapping #6-32NF x 1/2in	
109	4420051	2 ft/.61m	Tape, Safety	
110	4640281	1	Valve, Select	
	0270528	Ref	**TOW BAR ASSEMBLY**	A
201	0100011	AR	Compound, Locking	
202	0362910	1	Pintle, Draw Eye	
203	0642010	4	Bolt 5/8in-11NC x 1-1/4in	
204	0721004	2	Screw, Hex Machine	
205	0741607	24	Screw, Countersunk 3/8in-16NC x 7/8in	
206	1060584	6	Cable, Lanyard	
207	3420372	2	Pin, Cotter	
208	3420447	1	Pin, Towing	
209	3421565	2	Pin, Snap	
210	3422841	2	Pin	
211	3422847	1	Pin	
212	3572009	2	Plate, Slide Stop	
213	3572010	2	Plate, Slide Stop	
214	3572011	2	Plate, Slide Stop	
215	3572012	2	Plate, Slide Stop	

SECTION 1 - FRAME

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
216	3760170	8	Ring, Split	
217	4568133	1	Tube, Tow Bar	
218	4740036	1	Flatwasher	
219	4751000	2	Flatwasher #10 Regular	
220	4846295	1	Tow Bar Attach Weldment	
221	4846296	1	Pintle Attach Weldment	

SECTION 2 - TURNTABLE

FIGURE 2-1. CONTROL VALVES INSTALLATIONS

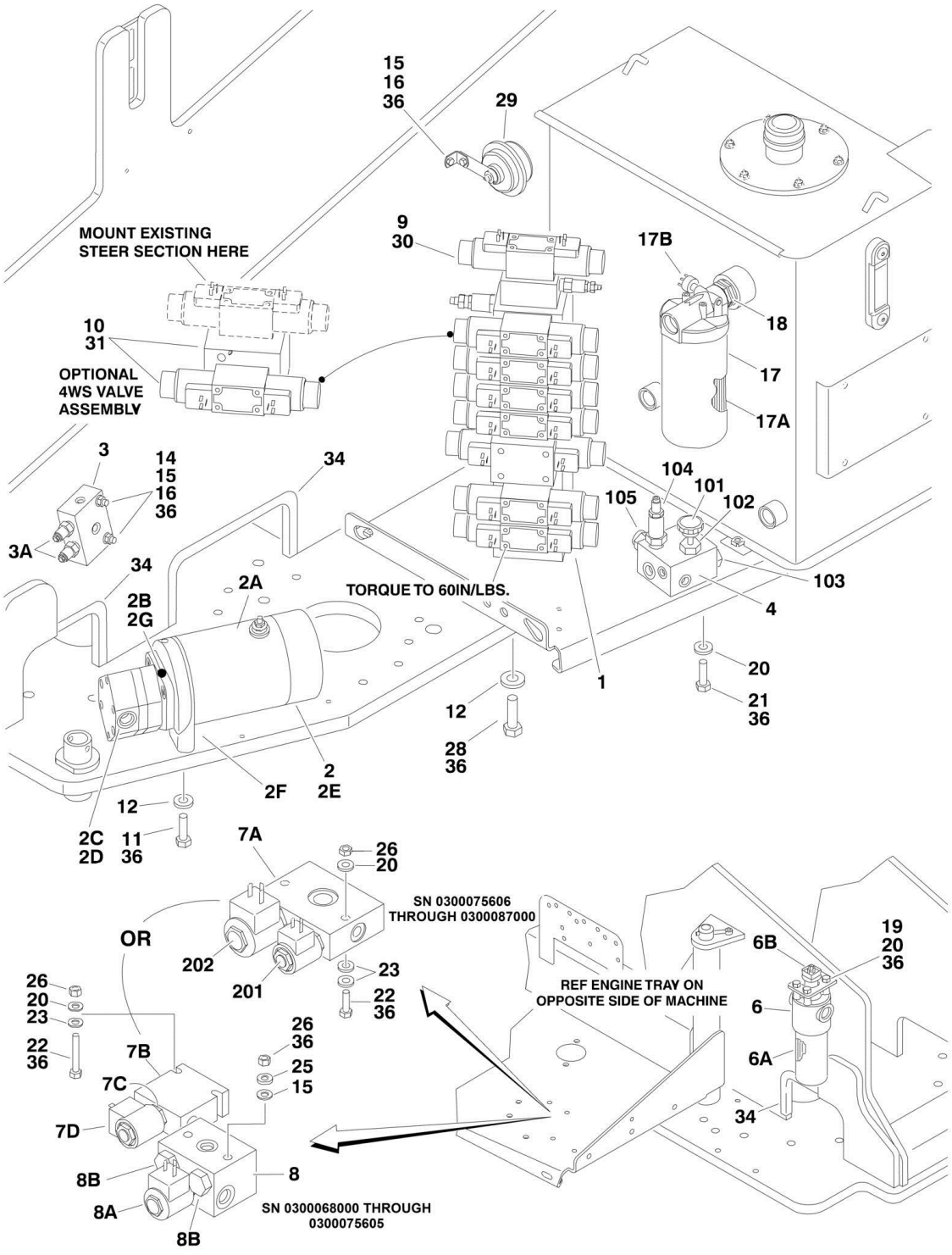


FIGURE 2-1. CONTROL VALVES INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**VALVES INSTALLATIONS**	
		Ref	**Valves Installations (SN 0300068000 through 0300075605)**	
	0255315	Ref	**Valves Installations 600S 2WS**	13
	0255446	Ref	**Valves Installations 600S 4WS**	12
	0255445	Ref	**Valves Installations 600SJ 2WS & 660SJ 2WS**	14
	0255447	Ref	**Valves Installations 600SJ 4WS & 660SJ 4WS**	12
		Ref	**Valves Installations (SN 0300075606 through 0300084826)**	
	0273082	Ref	**Valves Installations 600S 2WS**	3
	0273087	Ref	**Valves Installations 600S 4WS**	3
	0273086	Ref	**Valves Installations 600SJ 2WS & 660SJ 2WS**	3
	0273088	Ref	**Valves Installations 600SJ 4WS & 660SJ 4WS**	3
		Ref	**Valves Installations (SN 0300084827 through 0300087000)**	
	0274316	Ref	**Valves Installations 600S 2WS**	1
	0274317	Ref	**Valves Installations 600S 4WS**	1
	0274318	Ref	**Valves Installations 600SJ 2WS & 660SJ 2WS**	1
	0274319	Ref	**Valves Installations 600SJ 4WS & 660SJ 4WS**	1
1	4641096	1	Main Control Valve Assembly (See MAIN CONTROL VALVE ASSEMBLY for Breakdown)	
2	3600243	NLA	Auxiliary Pump Assembly (Use p/n 3600379) **(SN 0300068000 through 0300070772)**	
2	3600365	1	Auxiliary Pump Assembly **(SN 0300070773 through 0300087000)**	
2A	7013755	1	Replacement Motor (Pump p/n 3600243)	
2A	7013799	1	Brush Kit - 7013755	
2A	7004248	1	Replacement Motor without Endhead (Pump p/n 3600365/3600379)	
2A	7004290	1	Replacement Motor with Endhead (was p/n 7011067) (Pump p/n 3600365/3600379)	
2A	7011065	1	Brush Kit	
2B	7013711	1	Coupling (Pump p/n 3600243)	
2B	7011063	1	Coupling (Pump p/n 3600365/3600379)	
2C	7013796	1	Replacement Pump (Pump p/n 3600243)	
2C	See Note	1	Seal Kit (Note: Not Available - Purchase Individual Pieces)	
2C	7016700	1	Seal, Oil	
2C	7016701	1	O-Ring	
2C	7016702	1	O-Ring	
2C	7011064	1	Replacement Pump (Pump p/n 3600365/3600379)	
2C	7011066	1	Seal Kit	
2D	7022203	4	Bolt (Pump to Bracket) (Pump p/n 3600243)	
2D	7011043	4	Bolt (Pump to Endhead) (Pump p/n 3600365/3600379)	
2E	7016744	2	Bolt (Motor to Bracket) (Pump p/n 3600243)	
2E	See Note	2	Bolt (Motor to Endhead) (Pump p/n 3600365/3600379) (Note: Not Available for Purchase)	
2F	7011062	1	Endhead (Pump p/n 3600365/3600379)	
2G	7011044	1	Gasket (Pump p/n 3600365/3600379)	
3	4640908	1	Counterbalance Valve Assembly **(SN 0300068000 through 0300084826)**	
3A	7011328	2	Cartridge, Counterbalance	
3A	2900770	2	Seal, Kit - 7011328 Cartridge	
4	4640931	1	Manual Descent Valve Assembly (See Items 101-105 for Breakdown) **(SN 0300068000 through 0300070975)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
6	2120146	1	Hydraulic Pressure Filter Assembly **(SN 0300068000 through 0300084826)**	
6	2120209	1	Hydraulic Pressure Filter Assembly **(SN 0300084827 through 0300087000)**	
6A	2120150	1	Element, Filter (Used with p/n 2120146)	
6A	2120210	1	Element, Filter (Used with p/n 2120209)	
6B	7016312	1	Indicator, Clogged (Used with p/n 2120146)	
6B	7020020	1	Indicator, Clogged (Used with p/n 2120209)	
6C	70000934	1	O-Ring, Filter Bowl (Not Shown - Used with p/n 2120209)	
7		Ref	Valve Assembly (Brake) Options:	
7A	4640907	1	Valve Assembly (Brake) **(SN 0300068000 through 0300075605)**	
7B	4641108	1	Valve Assembly (Brake) (See Items 201-202 for Breakdown) **(SN 0300075606 through 0300087000)**	
7C	7012941	1	Valve Assembly (Brake) Cartridge without Coil	
7C	7012907	1	Valve Assembly (Brake) Seal Kit - 7012941 Cartridge	
7D	7012944	1	Valve Assembly (Brake) Coil	
8	4640906	1	Valve Assembly (Two Speed Only) **(SN 0300068000 through 0300075605)**	
8A	7012974	1	Cartridge with Coil	
8A	7012907	1	Seal Kit - 7012974 Cartridge	
8B	7012944	1	Coil	
8C	See Note	2	Cartridge, Check (Note: Not Available for Purchase)	
8C	7012972	1	Seal Kit	
9		Ref	Valve Kit (Articulating Jib) Options:	
9	Not Required	0	Valve Kit (Articulating Jib) 600S	
9	4640921	1	Valve Kit (Articulating Jib) 600SJ & 660SJ (See ACCESSORY VALVE ASSEMBLY for Breakdown)	
10		Ref	4WS Valve Kit Options:	
10	Not Required	0	4WS Valve Kit 2WS Machines	
10	4640922	1	4WS Valve Kit 4WS Machines	
10	7012774	1	Control Valve Assembly	
10	7018912	2	Nut, Coil	
10	7012772	2	Coil	
10	7024014	2	Pipe, Pole	
10	7012773	1	Seal Kit - 7012774 Control Valve	
10	7017420	2	Valve, Cartridge	
10	7012998	2	Seal Kit - 7017420 Cartridge	
11	0641613	2	Bolt 3/8in-16NC x 1-5/8in	
12	4711600	5	Flatwasher 3/8in Thin	
14		Ref	Hardware Options:	
14	4891800	2	Hardware, Flatwasher 1/2in Hardened **(SN 0300068000 through 0300074783)**	
14	0641514	2	Hardware, Bolt 5/16in-18NC x 1-3/4in **(SN 0300074784 through 0300075605)**	
14	4891800	2	Hardware, Flatwasher 1/2in Hardened **(SN 0300075606 through 0300087000)**	
15	4711500	AR	Flatwasher 5/16in Thin	
16		Ref	Hardware Options:	
16	3311501	3	Hardware, Nut 5/16in-18NC **(SN 0300068000 through 0300074783)**	
16	0641506	1	Hardware, Bolt 5/16in-18NC x 3/4in **(SN 0300074784 through 0300075605)**	
16	3311501	3	Hardware, Nut 5/16in-18NC **(SN 0300075606 through**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0300087000)	
17	2120145	1	Return Filter Assembly **(SN 0300068000 through 0300084826)**	
17	2120164	1	Return Filter Assembly **(SN 0300084827 through 0300087000)**	
17A	2120149	1	Element, Filter (Used with p/n 2120146 & p/n 2120164)	
17B	7016313	1	Indicator Switch, Clogged (Used with p/n 2120145)	
17B	7020021	1	Indicator Switch, Clogged (Used with p/n 2120164)	
18	2220893	1	Fitting, Adapter	
19	0651406	AR	Bolt 1/4in-28NF x 3/4in	
20	4711400	AR	Flatwasher 1/4in Thin	
21	0651406	3	Bolt 1/4in-28NF x 3/4in **(SN 0300068000 through 0300070975)**	
22	0641418	2	Bolt 1/4in-20NC x 2-1/4in	
23	4891400	4	Flatwasher 1/4in Hardened **(SN 0300068000 through 0300075605)**	
24	0641508	2	Bolt 5/16in-18NC x 1in **(SN 0300068000 through 0300075605)**	
25	4891500	2	Flatwasher 5/16in Hardened **(SN 0300068000 through 0300075605)**	
26	3311405	2	Locknut 1/4in-20NC	
28	0641608	3	Bolt 3/8in-16NC x 1in	
29	0140001	1	Horn	
30		Ref	Harness Assembly (Jib Control) Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
30	Not Required	0	Harness Assembly (Jib Control) 600S	
30	4921927	1	Harness Assembly (Jib Control) 600SJ & 660SJ	
31		Ref	Harness Assembly (4WS Control) Options: (Not Shown - See ELECTRICAL SECTION for Breakdown):	
31	Not Required	0	Harness Assembly (4WS Control), 2WS Machines	
31	4921928	1	Harness Assembly (4WS Control), 4WS Machines	
34	4060918	40 in/10m	Flex-Trim	
36	0100011	AR	Compound, Locking	
	4640931	Ref	**MANUAL DESCENT VALVE ASSEMBLY (SN 0300068000 through 0300070975)**	
101	7012961	1	Knob	
102	7012954	1	Cartridge, Needle Valve	
102	7012953	1	Seal Kit - 7012954 Valve	
103	7012975	1	Cartridge, Check Valve	
103	7012540	1	Seal Kit - 7012975 Valve	
104	7012976	1	Cartridge, Relief Valve	
104	7012971	1	Seal Kit - 7012971 Valve	
105	7012977	1	Cartridge, Pilot Valve	
105	7012918	1	Seal Kit - 7012977 Valve	
	4641108	Ref	**VALVE ASSEMBLY (DUAL SELECT BRAKE/2 SPEED)**	B
201	7012941	1	Cartridge without Coil	
201	7010543	1	Seal Kit - 7012941 Cartridge	
201	7012944	1	Coil	
202	7012995	1	Cartridge without Coil	
202	7012518	1	Seal Kit - 7012995 Cartridge	
202	7012943	1	Coil	

FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY

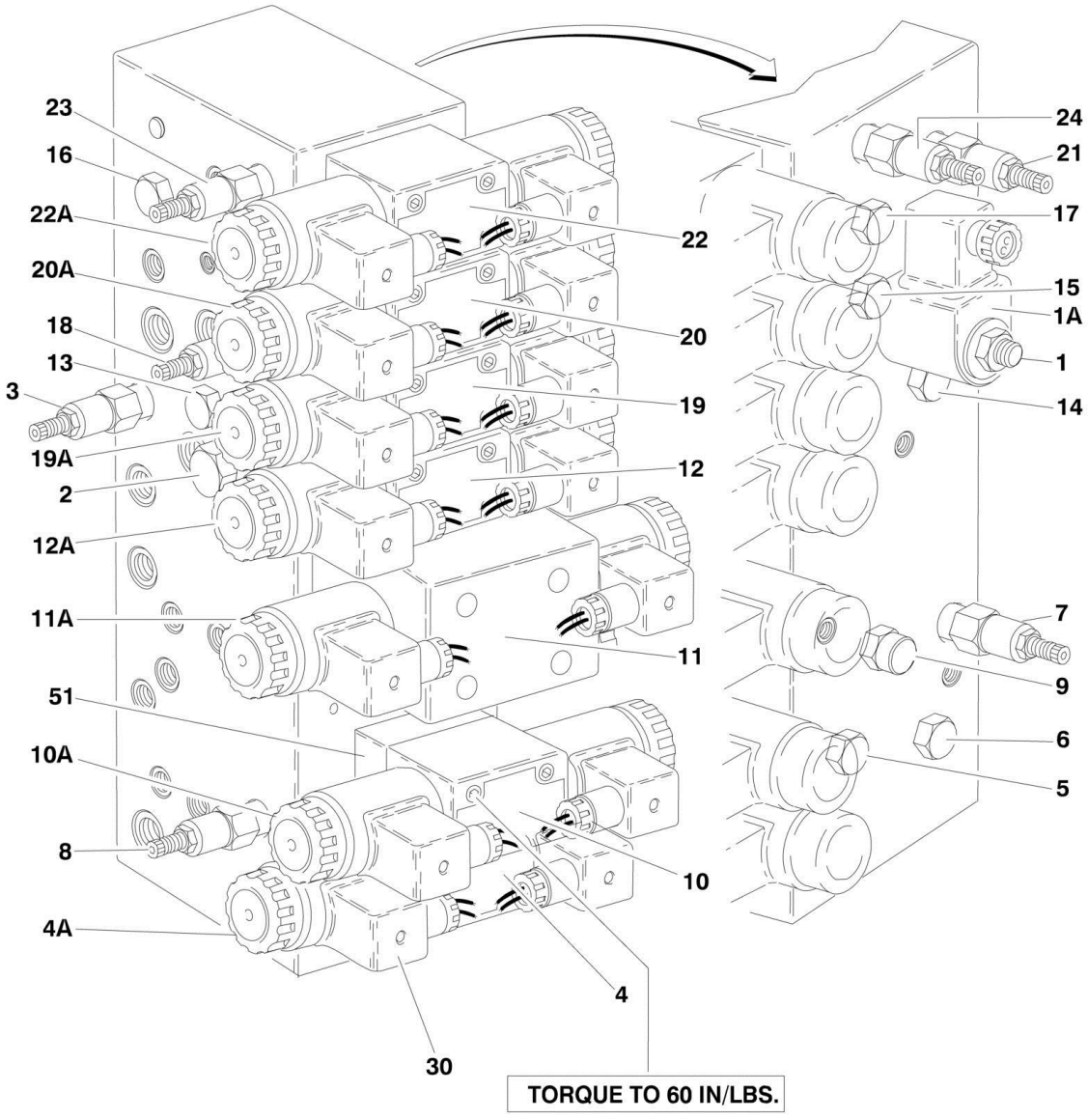


FIGURE 2-2. MAIN CONTROL VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4641096	Ref	**MAIN CONTROL VALVE ASSEMBLY**	A
1	7017410	1	Cartridge, Without Coil	
1	7012967	1	Seal Kit - 7017410 Cartridge	
1A	7012944	1	Coil	
2	7017464	1	Cartridge, Pressure Sensing	
2	7012518	1	Seal Kit	
3	7012912	1	Cartridge (Main Relief)	
3	7012998	1	Seal Kit	
4	70001976	1	Control Valve Assembly (Platform Level) (was p/n 7012770)	
4	7012773	1	Seal Kit	
4	7018942	4	Capscrew #10 x 2	
4A	7012772	2	Coil	
5	7012914	1	Cartridge, Check Valve	
5	7012918	1	Seal Kit - 7012914 Cartridge	
6	7012914	1	Cartridge, Check Valve	
6	7012918	1	Seal Kit - 7012914 Cartridge	
7	7012912	1	Cartridge, Relief Valve (Platform Level Backward)	
7	7012998	1	Seal Kit - 7012912 Cartridge	
8	7012912	1	Cartridge, Relief Valve (Platform Level Forward)	
8	7012998	1	Seal Kit - 7012912 Cartridge	
9	7012989	1	Cartridge, Flow Control	
9	7012953	1	Seal Kit - 7012989 Cartridge	
10	70001976	1	Control Valve Assembly (Platform Rotate) (was p/n 7012770)	
10	7012773	1	Seal Kit	
10	7018986	4	Capscrew #10 x 3-1/2	
10A	7012772	2	Coil	
11	70000579	1	Control Valve Assembly (Upper Tele) (was p/n 7012766)	
		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.**	
11		Ref	Seal Kit Options:	
11	7012769	1	Seal Kit, 7012766 Valve	
11	70000583	1	Seal Kit, 70000579 Valve	
11	7018951	4	Capscrew 1/4 x 1-1/2	
11A		Ref	Coil Options:	
11A	7012772	1	Coil, 7012766 Valve (was p/n 7012768)	
11A	70000582	1	Coil, 70000579 Valve	
11A		Ref	Nut, Coil Options:	
11A	7018912	1	Nut, Coil, 7012766 Valve	
11A	70000580	1	Nut, Coil, 70000579 Valve	
12	7012775	1	Control Valve Assembly (Flow Control)	
12	7012773	1	Seal Kit	
12	7018942	4	Capscrew #10 x 2	
12A	7012772	2	Coil	
12A	7018912	2	Nut	
12A	7024015	2	Pipe, Pole	
13	7010542	1	Cartridge, Shuttle	
13	7010543	1	Seal Kit - 7010542 Cartridge	
14	7010542	1	Cartridge, Shuttle	
14	7010543	1	Seal Kit - 7010542 Cartridge	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	7010542	1	Cartridge, Shuttle	
15	7010543	1	Seal Kit - 7010542 Cartridge	
16	7010542	1	Cartridge, Shuttle	
16	7010543	1	Seal Kit - 7010542 Cartridge	
17	7010542	1	Cartridge, Shuttle	
17	7010543	1	Seal Kit - 7010542 Cartridge	
18	7012912	1	Cartridge, Relief Valve (Upper Lift Down)	
18	7012998	1	Seal Kit - 7012912 Cartridge	
19	7012775	1	Control Valve Assembly (Upper Lift)	
19	7012773	1	Seal Kit	
19	7018942	4	Capscrew #10 x 2	
19A	7012772	2	Coil	
19A	7018912	2	Nut	
19A	7024015	2	Pipe, Pole	
20	7012775	1	Control Valve Assembly (Swing)	
20	7012773	1	Seal Kit	
20	7018942	4	Capscrew #10 x 2	
20A	7012772	2	Coil	
20A	7018912	2	Nut	
20A	7024015	2	Pipe, Pole	
21	7012912	1	Cartridge, Relief Valve (Swing)	
21	7012998	1	Seal Kit - 7012912 Cartridge	
22	7012774	1	Control Valve Assembly (Steer)	
22	7012773	1	Seal Kit	
22	7018942	4	Capscrew #10 x 2	
22A	7012772	2	Coil	
22A	7018912	2	Nut	
22A	7024014	2	Pipe, Pole	
23	7012912	1	Cartridge, Relief Valve (Steer Left)	
23	7012998	1	Seal Kit - 7012912 Cartridge	
24	7012912	1	Cartridge, Relief Valve (Steer Right)	
24	7012998	1	Seal Kit - 7012912 Cartridge	
30	4460499	15	Connector, Din with Diode (Part of Valve Harness)	
	2901763	Ref	**ROTATE SANDWICH VALVE KIT**	A
51	7021310	1	Block, Valve	

FIGURE 2-3. ACCESSORY VALVE ASSEMBLY

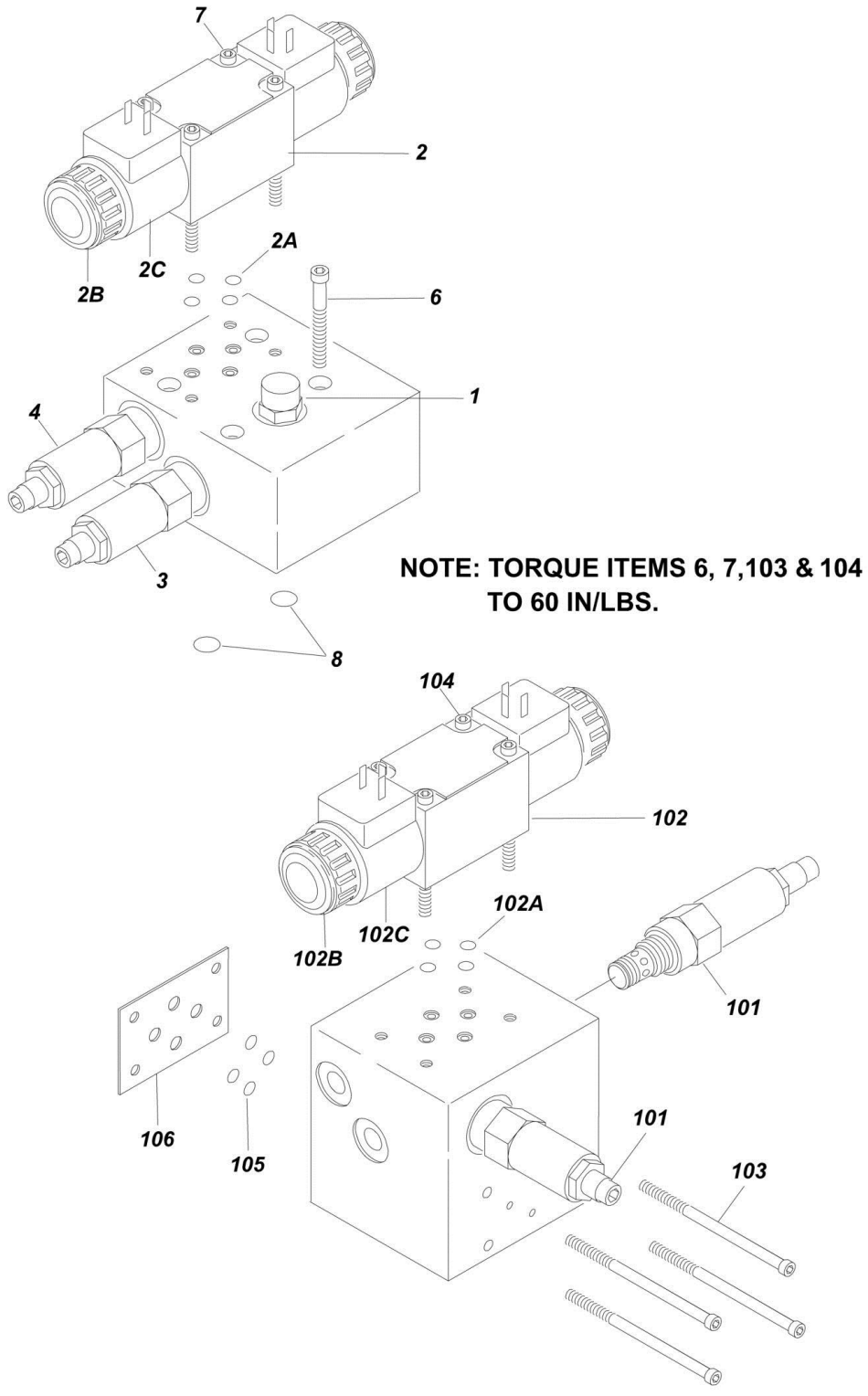


FIGURE 2-3. ACCESSORY VALVE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ACCESSORY VALVE ASSEMBLIES**	
	4640921	Ref	**ARTICULATING JIB VALVE ASSEMBLY**	D
1	7012965	1	Cartridge, Flow Control	
1	7012953	1	Seal Kit - 7012965 Cartridge	
2	70001976	1	Directional Control Valve Assembly (was p/n 7012770)	
2	7012773	1	Seal Kit	
2A	7018945	4	O-Ring	
2B	7018912	2	Nut	
2C	7012772	2	Coil	
3	7017421	1	Cartridge, Relief	
3	7012998	1	Seal Kit - 7017421 Cartridge	
4	7017422	1	Cartridge, Relief	
4	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	
101	7012998	1	Seal Kit - 7017420 Cartridge	
102	7012774	1	Directional Control Valve Assembly	
102	7012773	1	Seal Kit	
102A	7018945	4	O-Ring	
102B	7018912	2	Nut	
102C	7012772	2	Coil	
103	7018946	4	Capscrew, Socket Head #10-24NC x 5in (Used to Mount 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	

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

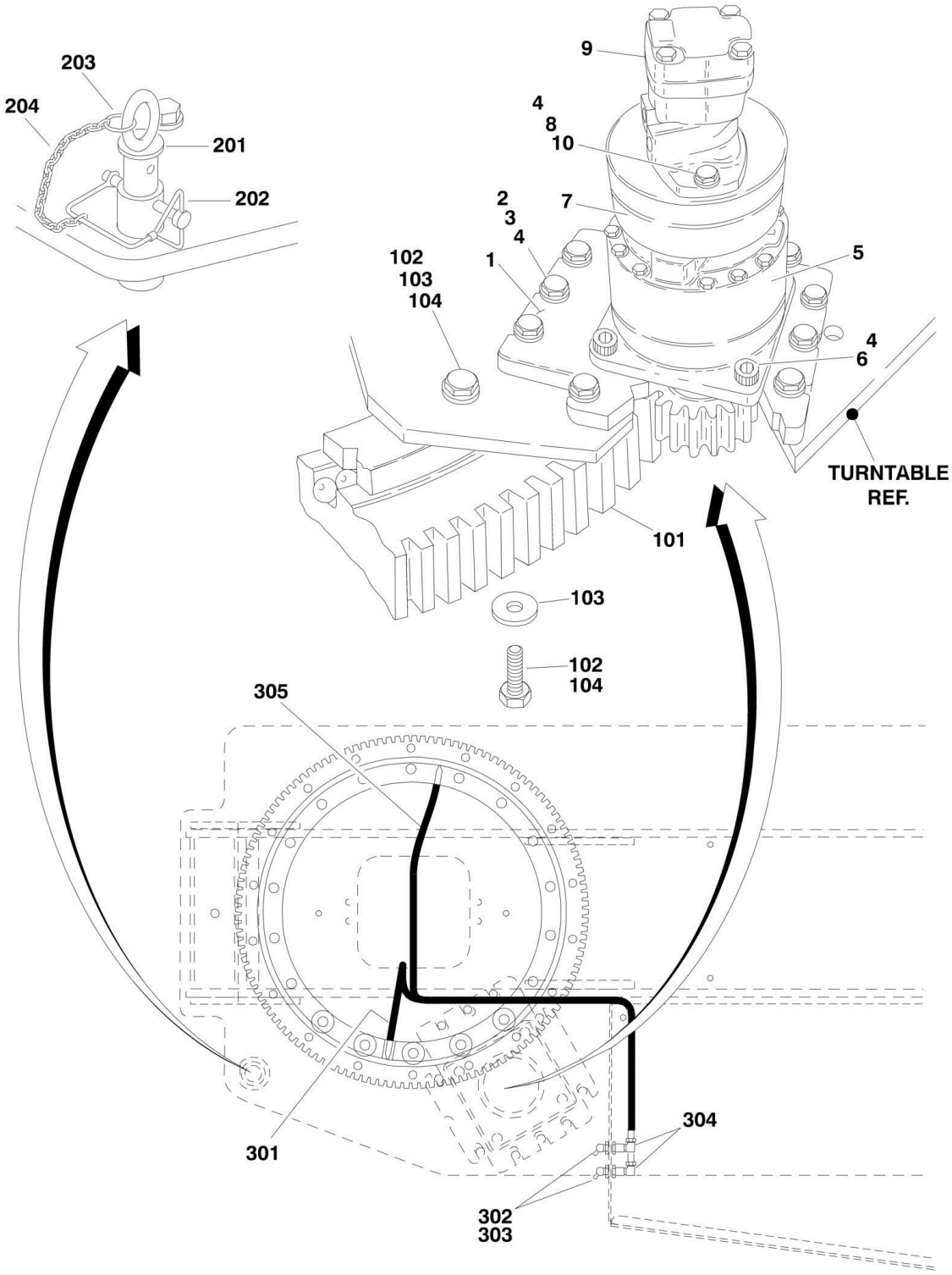


FIGURE 2-4. SWING DRIVE, TURNTABLE BEARING AND LOCK INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270329	Ref	**SWING DRIVE INSTALLATION**	A
1	3537318	1	Plate, Swing Drive Mounting	
2	0642018	10	Bolt 5/8in-11NC x 2-1/4in	
3	4892000	10	Flatwasher 5/8in Hardened	
4	0100011	AR	Compound, Locking	
5	2780205	1	Hub Assembly (See SWING HUB ASSEMBLY for Breakdown)	
6	3932224	2	Capscrew 3/4in-10NC x 1-1/2in	
7	0920119	1	Brake Assembly	
7	7007933	2	Gasket, Mounting Face	
7	7007990	2	O-Ring, Mounting Face	
7	7018612	1	Repair Kit - 0920119 Brake	
		Ref	**Note: Other then Gasket and O-Ring, Repair Kit is only part available.**	
8	0681836	2	Bolt 1/2in-13NC x 4-1/2in	
9		Ref	Motor Assembly Options (See SWING MOTOR ASSEMBLIES for Breakdown): (Note: Either p/n may be used as replacement)	
9	3160273	NLA	Motor Assembly, White Roller Stator Motor (Original Equipment) (Use p/n 1001110169)	
9	1001110169	1	Motor Assembly, Parker Motor (Service Replacement)	
10	4891800	2	Flatwasher 1/2in Hardened	
	0254798	Ref	**TURNTABLE BEARING INSTALLATION**	1-A
101	0440207	1	Bearing, Turntable	
102	0682016	36	Bolt 5/8in-11NC x 2in (Grade 8)	
103	4892000	36	Flatwasher 5/8in Hardened	
104	0100019	AR	Compound, Locking	
	0239585	Ref	**TURNTABLE LOCK INSTALLATION**	B
201	3421627	1	Pin	
202	3421565	1	Pin, Snap	
203	3760170	2	Ring, Quick Release	
204	1260017	9 in/23cm	Chain	
	0255316	Ref	**REMOTE BEARING LUBE INSTALLATION**	3
301	2751095	1	Hose, Grease **(SN 0300068000 through 0300070975)**	
302	2180344	AR	Fitting, Bulkhead	
303	2160003	AR	Fitting, Grease 45	
304	2220063	2	Fitting, 90	
305	2751032	1	Hose, Grease	

FIGURE 2-5. SWING HUB ASSEMBLY

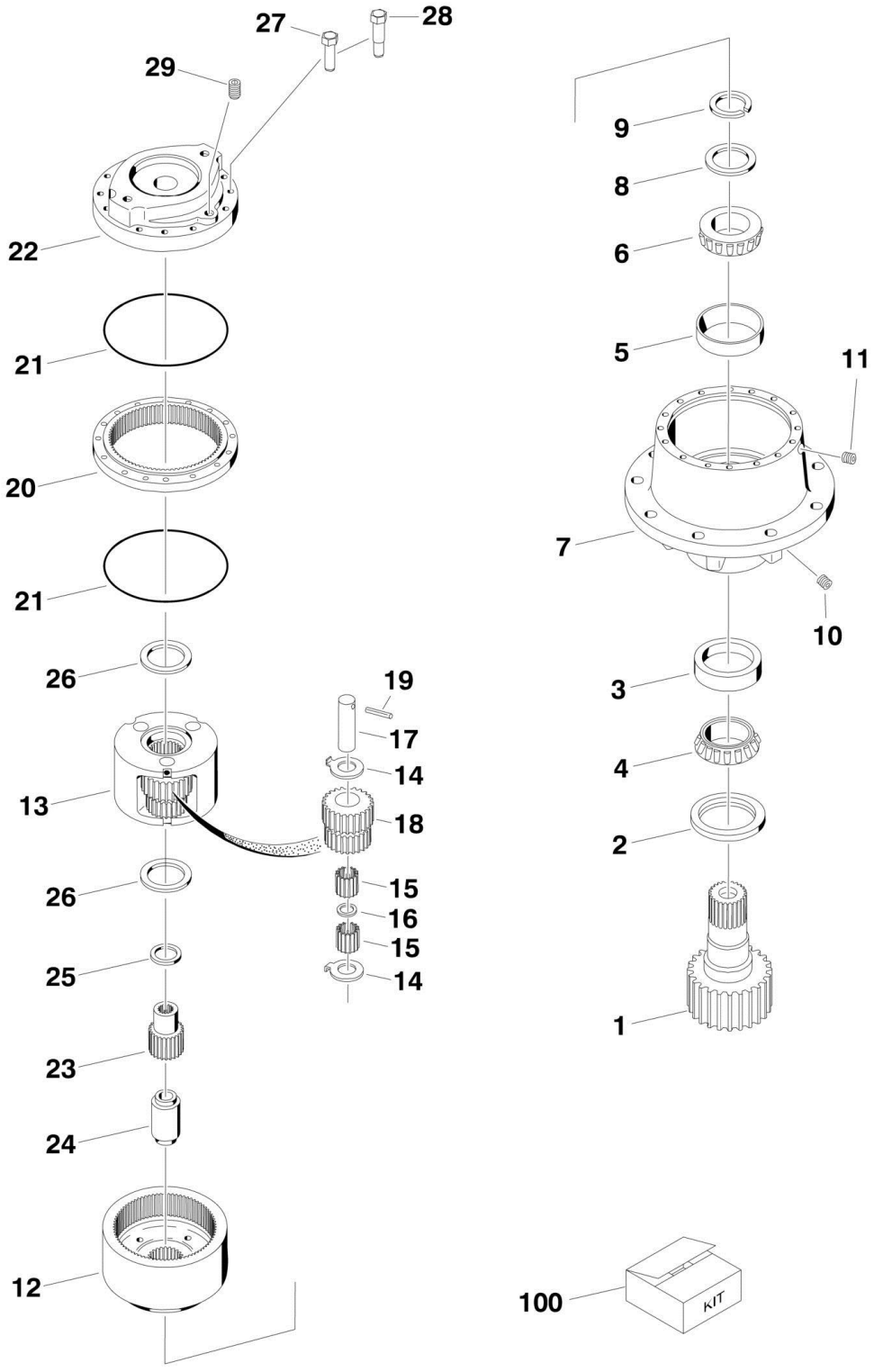


FIGURE 2-5. SWING HUB ASSEMBLY

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

FIGURE 2-6. SWING MOTOR ASSEMBLY

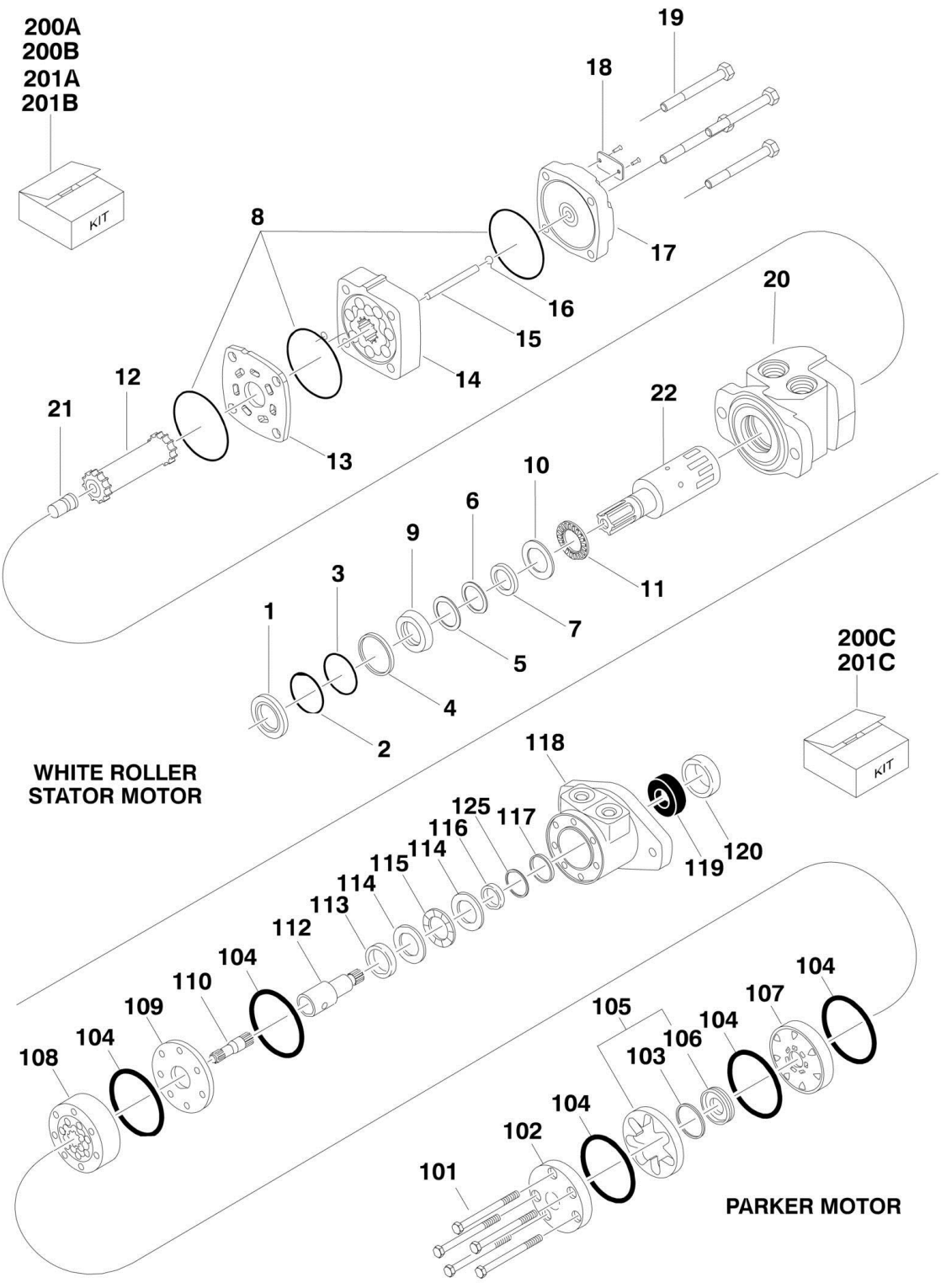


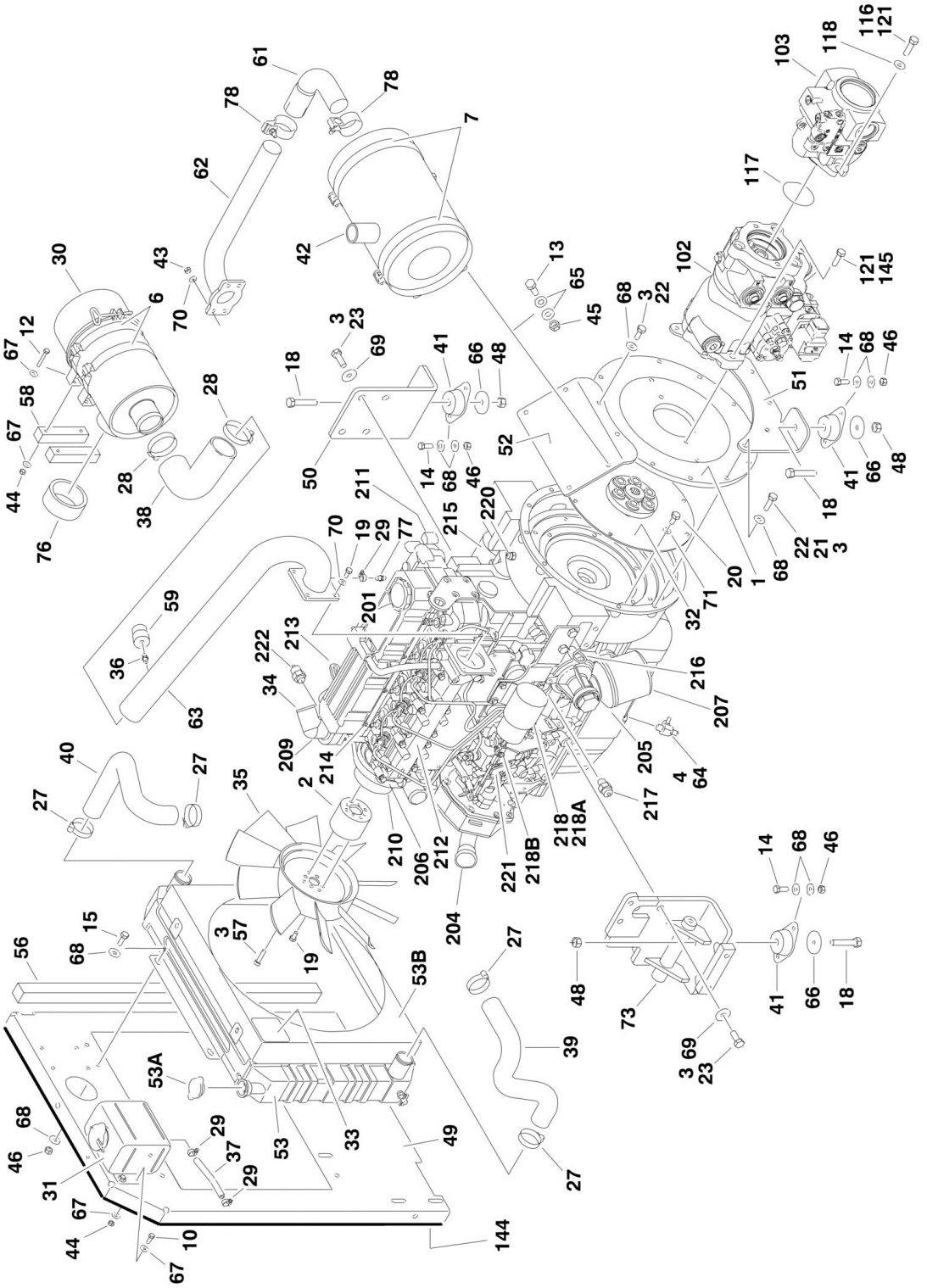
FIGURE 2-6. SWING MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**Note: Original Equipment may have been replaced with Service Replacement swing motor. Identify brand before ordering parts.**	
	3160273	Ref	**SWING MOTOR ASSEMBLY (WHITE ROLLER STATOR) (ORIGINAL EQUIPMENT)**	B
1	See Note	NSS	Seal, Dust (Note: Use Item 200A)	
2	See Note	NSS	Ring, Split Wire (Note: Use Item 200A)	
3	See Note	NSS	Shim, Metal Back-up (Note: Use Item 200A)	
4	See Note	NSS	Seal, High Pressure (Note: Use Item 200A)	
5	See Note	NSS	Shim, Metal Back-up (Note: Use Item 200A)	
6	See Note	NSS	Seal, Teflon Back-up (Note: Use Item 200A)	
7	See Note	NSS	Seal, Shaft (Note: Use Item 200A)	
8	See Note	NSS	Seal, Body (Note: Use Item 200A)	
9	See Note	NSS	Carrier, Seal (Note: Use Item 200B)	
10	See Note	NSS	Thrustwasher (Note: Use Item 200B)	
11	7016422	1	Bearing, Thrust	
12	7005889	1	Link, Drive	
13	7016423	1	Plate, Wear	
14	7005890	1	Rotor Assembly	
15	7005891	1	Pin, Drive Link	
16	See Note	NSS	Ball (Note: Use Item 201A)	
17	See Note	NSS	Cover, End (Note: Use Item 201A)	
18	See Note	NSS	Tag, I.D. (Note: Not Available for Purchase)	
19	7005892	4	Bolt	
20	7016425	1	Housing	
21	7005893	1	Plug, Cooling	
22	7016426	1	Shaft	
	1001110169	Ref	**SWING MOTOR ASSEMBLY (PARKER) (SERVICE REPLACEMENT)**	A
101	70002243	5	Bolt	
102	7004035	1	Cover, End	
103	See Note	NSS	Seal, Commutator (Note: Use Item 200C)	
104	See Note	NSS	Seal, Ring (Note: Use Item 200C)	
105	7024453	1	Commutator and Ring Assembly	
106	7024453	1	Ring	
107	7024379	1	Manifold	
108	70002208	1	Rotor Set	
109	7024380	1	Plate, Wear	
110	83304150	1	Link, Drive	
112	7024395	1	Shaft, Coupling	
113	7024381	1	Bushing, Bronze	
114	7004043	2	Thrustwasher	
115	7004044	1	Bearing, Thrust	
116	See Note	NSS	Seal, Inner (Note: Use Item 200C)	
117	See Note	NSS	Washer, Back-up (Note: Use Item 200C)	
118	See Note	1	Housing (Note: Not Available - Purchase Complete Swing Motor Assembly)	
119	7024390	1	Bearing	
120	See Note	NSS	Seal (Note: Use Item 200C)	
125	See Note	NSS	Washer, Back-up (Note: Use Item 200C)	
		Ref	**SEAL AND REPAIR KITS**	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
200		Ref	Seal Kit Options:	
200		Ref	White Roller Stator Options:	
200A	7005881	1	White Roller Stator, Seal Kit (Includes Items 1-8)	
200B	7005882	1	White Roller Stator, Seal Carrier Kit (Includes Items 9 & 10)	
200		Ref	Parker Options:	
200C	7024389	1	Parker, Seal Kit (Includes Items 103, 104, 116, 117, 120 & 125)	
201		Ref	Repair Kit Options:	
201		Ref	White Roller Stator Options:	
201A	7016424	1	White Roller Stator, End Cover Kit (Includes Items 16 & 17)	
201B	7016427	1	White Roller Stator, Housing/Shaft Kit (Includes Items 20-22)	
201C	See Note	AR	Parker Options (Note: Purchase Individual Components)	

FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION



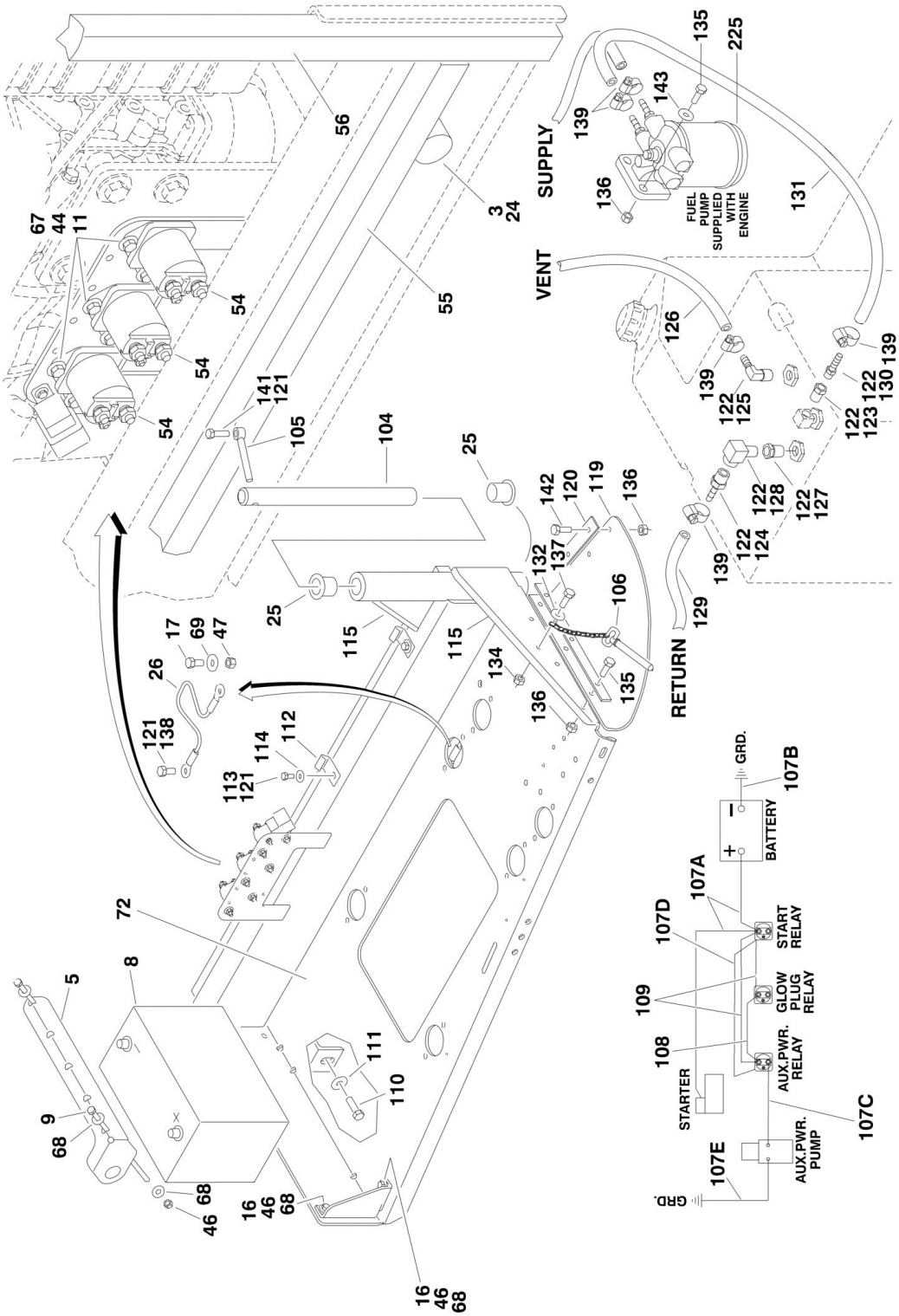

SUPPLY
VENT
RETURN
FUEL PUMP SUPPLIED WITH ENGINE
BATTERY
GRD.
START RELAY
GLOW PLUG RELAY
AUX.PWR. RELAY
STARTER
AUX.PWR. PUMP

FIGURE 2-7. CATERPILLAR ENGINE INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**CATERPILLAR ENGINE ASSEMBLIES**	
	0272796	Ref	**Caterpillar Engine Assemblies (SN 0300068000 through 0300084826)**	F
	0274491	Ref	**Caterpillar Engine Assemblies (SN 0300084827 through 0300087000)**	B
1	0080181	1	Adaptor, Pump Mounting Plate	
2	0080243	1	Adaptor, Fan Spacer	
3	0100011	AR	Compound, Locking	
4	0100020	AR	Sealant, Thread	
5	0181727	1	Hold-Down, Battery	
6	0340041	2	Band, Mounting	
7	0340046	2	Band, Muffler	
8	0400075	1	Battery	
9	0630498	2	Rod, Hold-Down	
10	0641406	4	Bolt 1/4in-20NC x 3/4in	
11	0641407	6	Bolt 1/4in-20NC x 7/8in	
12	0701414	4	Bolt 1/4in-20NC x 3/4in	
13	0641507	4	Bolt 5/16in-18NC x 7/8in	
14	0641608	8	Bolt 3/8in-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	8	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	0701214	8	Bolt M12 x 30mm	
24	0940070	1	Bumper, Rubber	
25	0961986	2	Bearing, Flange	
26	1060637	1	Lanyard	
27		Ref	Clamp, Hose Options:	
27	1320012	4	Clamp, Hose **(SN 0300068000 through 0300084826)**	
27	8405104	4	Clamp, Hose **(SN 0300084827 through 0300087000)**	
28	1320016	2	Clamp, Hose	
29		Ref	Clamp, Hose Options:	
29	1320022	3	Clamp, Hose **(SN 0300068000 through 0300084826)**	
29	8405009	3	Clamp, Hose **(SN 0300084827 through 0300087000)**	
30	1340060	1	Air Cleaner Assembly	
30	7012664	1	Element, Air Cleaner	
31	1580011	1	Container, Coolant Overflow	
32	1660239	1	Coupling, Pump	
33	1703162	2	Decal - Fan Blade	
34	2000194	1	Caterpillar Engine Assembly	
35	2060025	1	Fan	
36	2180798	1	Fitting **(SN 0300068000 through 0300084826)**	
37	2720058	0.33 ft /0.1m	Hose	
38	2720434	1	Elbow, Rubber	
39	2720509	1	Hose, Radiator (Bottom)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	2720510	1	Hose, Radiator (Top)	
41	3200406	4	Mount, Engine	
42	3220113	1	Muffler, Spark Arresting	
43	3290801	4	Nut m8 x 1.25	
44	3311405	14	Locknut 1/4in-20NC	
45	3311505	4	Locknut 5/16in-18NC	
46	3311605	18	Locknut 3/8in-16NC	
47	3311801	1	Nut 1/2in-13NC	
48	3311805	4	Locknut 1/2in-13NC	
49	3539872	1	Plate, Radiator Mounting	
50	3574206	1	Plate, Motor Mount	
51	3574207	1	Plate, Engine Mount (Rear)	
52	3574208	1	Bracket, Muffler	
53	3620047	1	Radiator	
53A	7027412	1	Cap, Radiator	
53B	70004182	1	Shroud, Fan	
54	3740067	3	Relay, Solenoid Assembly	
55	3960468	1	Seal, Foam Gasket	
56	3960469	1	Seal, Foam Gasket	
57	4031911	4	Bolt M8 x 35mm	
58	4220191	2	Block, Spacer	
59	4360392	1	Switch, Restrictor Indicator **(SN 0300068000 through 0300084826)**	
61	4567073	1	Tube, Exhaust	
62	4568721	1	Exhaust Tube Weldment	
63		Ref	Tube, Air Intake Weldment Options:	
63	4568788	1	Tube, Air Intake Weldment **(SN 0300068000 through 0300084826)**	
63	4569177	1	Tube, Air Intake Weldment **(SN 0300084827 through 0300087000)**	
64	4640750	1	Valve, Oil Drain	
65	4711500	8	Flatwasher 5/16in Thin	
66	4740274	4	Washer, Snubbing	
67	4751400	28	Flatwasher 1/4in Regular	
68	4751600	48	Flatwasher 3/8in Regular	
69	4751800	8	Flatwasher 1/2in Regular	
70	4811900	8	Flatwasher M8	
71	4832000	8	Lockwasher M10	
72	4846790	1	Tray Engine	
73	4846805	1	Mount, Engine/Generator - Left	
74	4922737	1	Harness, Relay Ground	
75	0721006	1	Bolt #10-24NC x 3/4in	
76	2720515	1	Seal, Air Cleaner	
77	2220767	1	Fitting	
78	70001017	2	Clamp	
		Ref	**CATERPILLAR ENGINE INSTALLATIONS**	
	0273521	Ref	**Caterpillar Engine Installations (SN 0300068000 through 0300075605)**	3
	0273594	Ref	**2WD (SN 0300075606 through 0300084826)**	2
	0274492	Ref	**2WD (SN 0300084827 through 0300087000)**	1
	0273595	Ref	**4WD (SN 0300075606 through 0300084826)**	2
	0274493	Ref	**4WD (SN 0300084827 through 0300087000)**	1

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
102		Ref	Piston Pump Assembly Options:	
102	3600260	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300068000 through 0300075605)**	
102	3600388	1	Piston Pump Assembly, 2WD (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300075606 through 0300087000)**	
102	3600381	1	Piston Pump Assembly, 4WD (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300075606 through 0300087000)**	
103	3600242	1	Gear Pump Assembly (See GEAR PUMP ASSEMBLY for Breakdown)	
104	3422446	1	Pin, Pivot	
105	3841143	1	Keeper, Pin	
106	3422532	1	Pin, Hitch	
107	2902296	1	Battery Cable Kit	
107A	7027000	1	Cable, Battery (Red)	
		Ref	**Note: Machines were built with Revisions A or B Cable Kit. Replacement p/n 7027000 will incorporate Item 107D. Discard Item 107D and install per illustration. (SN 0300068000 through 0300087000)**	
107B	7027004	1	Cable, Battery (Black)	
107C	7027002	1	Cable (Red)	
107D	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit)	
107E	7027003	1	Cable (Black)	
108	1060904	1	Cable, Battery	
109	4922737	1	Harness, Relay Ground	
110	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
111	4752000	1	Flatwasher 5/8in Regular	
112	1320223	3	J-Clip 1/2in	
113	0641606	3	Bolt 3/8in-16NC x 3/4in	
114	4711600	3	Flatwasher 3/8in Thin	
115	4060805	2 ft /0.7mm	Flex-Trim 1/4in	
116	3931620	2	Bolt 3/8in-16NC x 1-1/4in	
117	3790152	1	O-Ring	
118	4891600	2	Flatwasher 3/8in Hardened	
119	3380429	1	Panel, Rubber	
120	3539957	2	Plate, Support	
121	0100011	AR	Compound, Locking	
122	0100020	AR	Sealant, Thread	
123	2220273	2	Fitting, Reducer	
124	2180536	2	Fitting, Straight	
125	2220313	1	Fitting, 90	
126	2750532	6 ft/1.8m	Hose 3/8in	
127	2220250	1	Fitting, Reducer	
128	2220549	1	Fitting, 90	
129	2720271	15 ft/4.6m	Hose 3/16in	
130	2220794	1	Fitting, Barbed	
131	2720058	16 ft/4.9m	Hose	
132	4751400	4	Flatwasher 1/4in Regular	
133	0641608	2	Bolt 3/8in-16NC x 1in	
134	3311405	1	Locknut 1/4in-20NC	
135	0641507	5	Bolt 5/16in-18NC x 1-1/4in	
136	3311505	8	Locknut 5/16in-18NC	
137	0641407	1	Bolt 1/4in-20NC x 7/8in	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 Regular	
144	3960389	5 ft/1.5m	Seal, Hood	
145	0641812	2	Bolt 1/2in-13NC x 1-3/4in	
	2000194	Ref	**ENGINE COMPONENTS**	D
201	7026800	1	Cap Oil Filler	
201	7026801	1	Gasket, Valve Cover	
202	7026802	1	Flywheel	
202	7026803	1	Gear, Ring (112 Teeth)	
203	7026804	1	Gasket (Not Shown - Between Flywheel Housing and Engine Block)	
203	7026805	1	Seal (Not Shown - Rear of Flywheel Housing)	
204	7026806	1	Cap, Filler	
204	7026807	1	Seal, Oil (Located in Front Housing)	
205	7026808	1	Plug, Oil Pan	
205	7026809	1	Gasket, Oil Pan	
206	7026810	1	V-Belt	
207	7026811	1	Filter, Oil	
		Ref	**Note: Machines with SkyPower use Remote Mounted Oil Filter - See SPECIAL OPTIONS SECTION. The same oil filter is used for all applications.**	
207	7026812	1	O-Ring (Between Bolt and Oil Filter Bracket)	
207	7026813	1	O-Ring (Between Oil Filter Bracket and Engine Block)	
208	7026819	1	Engine Cooler Assembly (Not Shown)	
208	7026816	2	O-Ring (Between Cover and Cooler)	
208	7026817	4	O-Ring (Between Cover and Cooler)	
208	7026818	1	Gasket (Between Cover and Engine Block)	
209	7026822	1	Thermostat	
209	7026821	1	Gasket (Between Regulator and Thermostat Housing)	
209	7026820	1	Gasket (Between Regulator and Engine Head)	
210		Ref	Pump, Water Options:	
		Ref	**Note: Customer must verify ENGINE SERIAL NUMBER before ordering replacement water pump.**	
210	7026823	1	**Engine (SN 0300075606 through Engine 34400832)**	
210	70001120	1	**Engine (SN 34400832 to Present)**	
210	70001742	1	Pulley, Water Pump	
210	7026824	1	Gasket (Between Pump and Pump Cover)	
210	7026825	1	Gasket (Between Pump Cover and Engine Block)	
211	7026826	1	Gasket, Exhaust Manifold	
211	7026827	1	Gasket, Exhaust	
212	7026829	1	Gasket, Intake Manifold	
212	7026828	1	Gasket, Intake	
213	7026831	1	Alternator	
214	7026832	4	Plug, Glow	
215	7026833	1	Starter	
216	7026834	1	Dipstick Oil Level	
217	1001097554	1	Switch, Oil Pressure (was p/n7026844)	
218	1600361	1	Actuator/Linkage Assembly - Throttle	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
218A	1600361	1	Actuator and Electrical Connector Kit (was p/n 7026842)	
218A	7026835	1	Connector, Actuator	
218B	7026843	1	Linkage Kit	
220	7026841	1	Sensor, Speed Sensor	
220	7026836	1	Connector, Speed Sensor	
221	7026839	1	Pump, Fuel Supply	
222	7026840	1	Sensor, Water Temperature	
222	7026882	1	Seal, Sensor	
223	0902910	NLA	Mounting Bracket, Actuator (Use p/n 7026887)	
223	0903220	NLA	Mounting Bracket, Actuator (Use p/n 7026887)	
224	7026814	1	Valve, Relief - Engine Oil (Not Shown)	
224	7026815	1	Gasket, Relief Valve - Engine Oil (Not Shown)	
225	See Note	1	Fuel Filter/Water Separator (Note: Not Available for Purchase)	
225	7026830	1	Element, Fuel Filter/Water Separator	
226	2580055	1	Block Heater Kit (Not Shown) (was p/n 7026845)	
226	7026838	1	Gasket, Block Heater (Not Shown)	
226	70002841	1	Cord, Electrical (Not Shown)	

FIGURE 2-8. DEUTZ ENGINE INSTALLATION (SN 0300068000 through 0300077489)

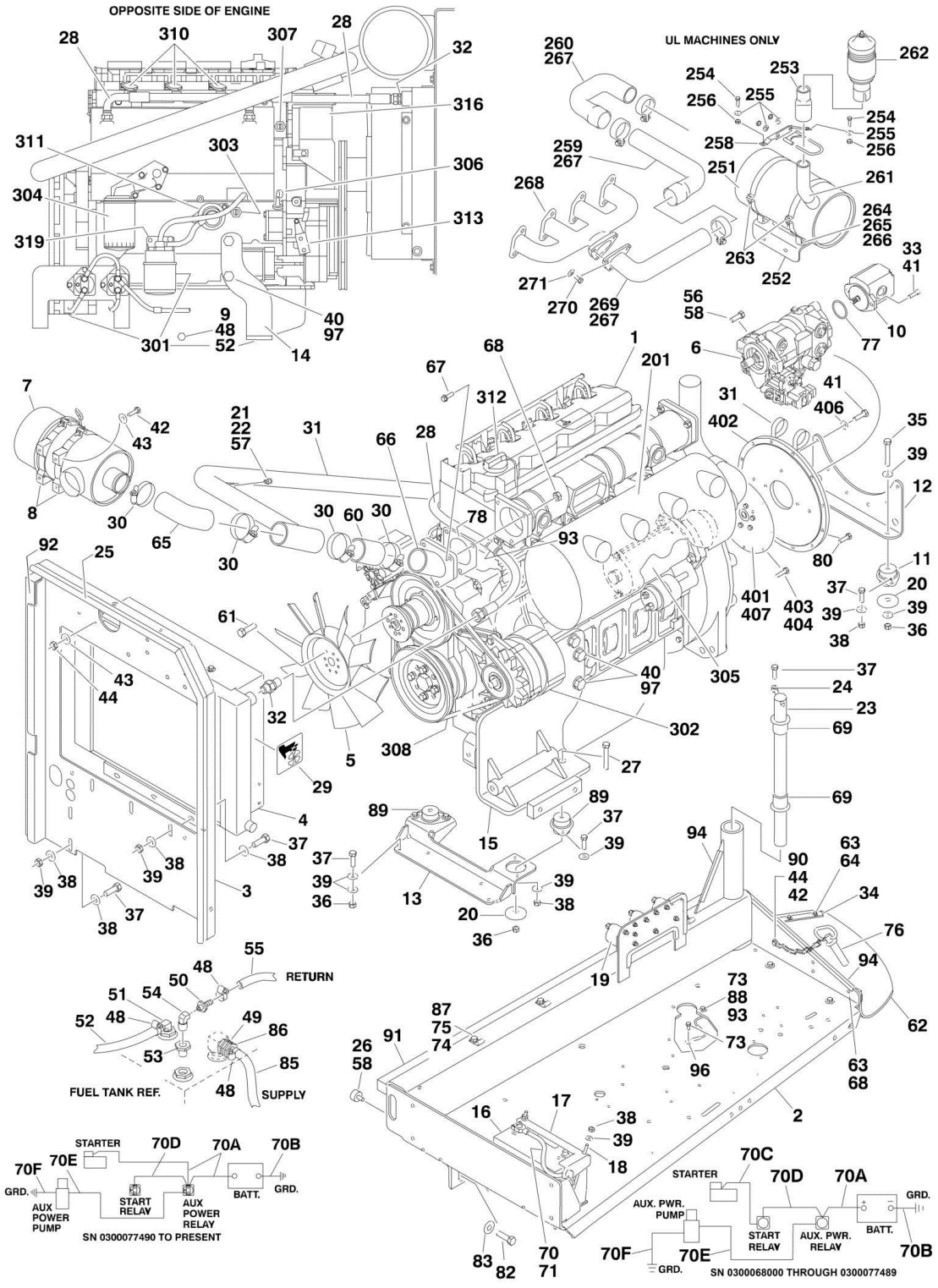


FIGURE 2-8. DEUTZ ENGINE INSTALLATION (SN 0300068000 through 0300077489)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DEUTZ ENGINE INSTALLATIONS**	
	0270763	Ref	**Deutz Engine Installations (SN 0300068000 through 0300075605)**	9-I
	0273593	Ref	**2WD (SN 0300075606 through 0300077489)**	2-B
	0273072	Ref	**4WD (SN 0300075606 through 0300077489)**	3-C
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		Ref	Piston Pump Assembly Options:	
6	3600260	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300068000 through 0300075605)**	
6	3600388	1	Piston Pump Assembly 2WD (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300075606 through 0300077489)**	
6	3600381	1	Piston Pump Assembly 4WD (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300075606 through 0300077489)**	
7	1340060	1	Air Cleaner Assembly	
7	7012664	1	Element, Air Cleaner (Not Shown)	
8	0340041	2	Band, Mounting	
9	4640751	1	Valve, Oil Drain	
10	3600242	1	Gear Pump Assembly (See GEAR PUMP ASSEMBLY for Breakdown)	
11	3200378	2	Mount, Rubber Engine (Rear)	
12	3537420	1	Bracket, Engine Mounting - Rear	
13	3539971	1	Bracket, Engine Mounting - Front	
14	3537416	1	Support, Engine - Right	
15	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	4740274	4	Washer, Snubbing	
21	4360392	1	Switch, Restrictor Indicator	
22	2180798	1	Fitting	
23	3422446	1	Pin, Pivot	
24	3841143	1	Keeper, Pin	
25	3960389	5 ft/1.5m	Seal	
26	0940070	1	Bumper, Rubber	
27	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
28	2720398	2	Hose, Oil Cooler	
29	1703162	2	Nameplate - Fan Caution	
30	1320016	4	Clamp, Hose	
31	4567815	1	Tuning Tube Weldment	
32	2220451	2	Fitting, Straight	
33	3931620	2	Capscrew 3/8in-16NC x 1-1/4in	
34	3539957	2	Plate, Hold Down	
35	0641818	2	Bolt 1/2in-13NC x 2-1/4in	
36	3311805	4	Locknut 1/2in-13NC	
37	0641610	21	Bolt 3/8in-16NC x 1-1/4in	
38	3311605	22	Locknut 3/8in-16NC x 1-1/4in	

SECTION 2 - TURNTABLE

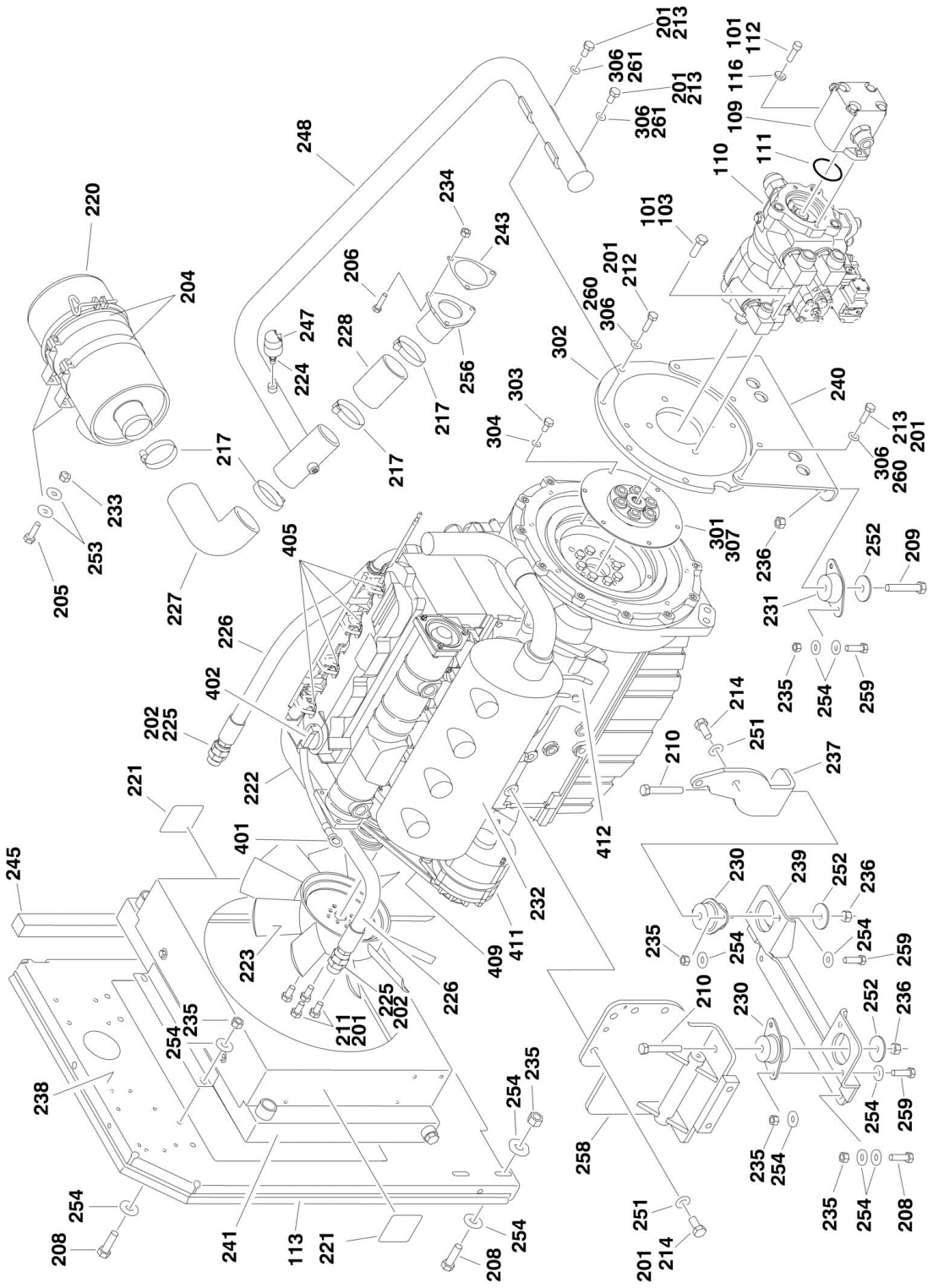
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
39	4751600	44	Flatwasher 3/8in Regular	
40	0701414	6	Bolt 1/4in-20NC x 3/4in	
41	4891600	2	Flatwasher 3/8in Hardened	
42	0641407	10	Bolt 1/4in-20NC x 7/8in	
43	4751400	17	Flatwasher 1/4in Regular	
44	3311405	10	Locknut 1/4in-20NC	
48	1320022	6	Clamp, Hose	
49	2220273	1	Fitting, Reducer	
50	2180536	1	Fitting, Straight	
51	2220313	1	Fitting, 90	
52	2750532	6 ft/1.83m	Hose 3/8in	
53	2220250	1	Fitting, Reducer	
54	2220459	1	Fitting, 90	
55	2720271	13.5 ft/4m	Hose 3/16in	
56	0641812	2	Bolt 1/2in-13NC x 1-1/2in	
57	0100020	AR	Sealant, Thread	
58	0100011	AR	Compound, Locking	
60	2720449	1	Coupling, Rubber Intake	
61	0700808	4	Bolt M8 x 16mm	
62	3380429	1	Panel, Rubber	
63	0641508	3	Bolt 5/16in-18NC x 1-1/4in	
64	0641514	3	Bolt 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	2901358	1	Battery Cable Kit **(SN 0300068000 through 0300075605)**	
70	2902296	1	Battery Cable Kit **(SN 0300075606 through 0300077489)**	
70A	7016800	1	Cable, Battery (Red) (Kit p/n 2901358)	
70A	7027000	1	Cable, Battery (Red) (Kit p/n 2902296)	
		Ref	**Note: Machines SN 0300068000 to SN 0300077489 were built with Revisions A or B Cable Kit. Replacement p/n 7027000 will incorporate Item 70D. Discard Item 70D and install per illustration.**	
70B	7016812	1	Cable, Battery (Black) (Kit p/n 2901358)	
70B	7027004	1	Cable, Battery (Black) (Kit p/n 2902296)	
70C	7016802	1	Cable (Red) (Kit p/n 2901358)	
70C	Not Required	0	Kit p/n 2902296	
70D	7016803	1	Cable (Red) (Kit p/n 2901358)	
70D	7027001	1	Cable (Red) (Kit p/n 2902296) (No Longer Part of 2902296 Kit)	
70E	7016824	1	Cable (Red) (Kit p/n 2901358)	
70E	7027003	1	Cable (Black) (Kit p/n 2902296)	
70F	7027002	1	Cable (Red) (Kit p/n 2902296)	
71	4460611	1	Terminal, Battery Jumper Post **(SN 0300068000 through 0300075605)**	
73	0641808	2	Bolt 1/2in-13NC x 1in	
74	1320223	3	J-Clip 1/2in	
75	0641606	3	Bolt 3/8in-16NC x 3/4in	
76	3422532	1	Pin, Hitch	
77	3790152	1	O-Ring	
78	3960407	1	Gasket	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
79	4791400	4	Starwasher 1/4in	
80	0701012	4	Bolt M10 x 25mm	
81	0701015	4	Bolt M10 x 35mm	
82	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
83	4752000	1	Flatwasher 5/8in Regular	
84	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
85	2720058	16 ft/4.9m	Hose	
86	2220794	1	Fitting, Barbed	
87	4711600	3	Flatwasher 3/8in Thin	
88	4751800	1	Flatwasher 1/2in Regular	
89	3200362	2	Mount, Rubber Engine (Front)	
90	4711400	1	Flatwasher 1/4in Thin	
91	3960468	1	Seal, Foam Gasket	
92	3960469	1	Seal, Foam Gasket	
93	3311801	1	Nut 1/2in-13NC	
94	4060805	3 ft/.88m	Flex-Trim 1/4in	
96	1060637	1	Lanyard	
97	4711900	6	Flatwasher 9/16in Thin	
		Ref	**MUFFLER INSTALLATIONS**	
	0256689	Ref	**Standard Equipment (Spark Arresting)**	-
	0256690	Ref	**Optional Equipment (Catalytic)**	-
201		Ref	Muffler Options:	
201	3220103	1	Muffler, Spark Arresting	
201	3220104	1	Muffler, Catalytic	
201		Ref	Muffler Components:	
201		Ref	Clamp Options:	
201	1320176	1	Clamp, Saddle Clamp Used on Spark Arresting	
201	70001017	1	Clamp, Band Clamp Used on Catalytic	
201	7024398	1	Clamp, Tube, Exhaust	
201	7024560	1	Clamp, Plug, Brass	
	0258568	Ref	**MUFFLER INSTALLATION (UL MACHINES)**	2
251	3220113	1	Muffler, Spark Arrestor	
252	3570754	1	Plate, Muffler Mount	
253	4845799	1	Weldment, Exhaust Tube	
254	3900232	5	Bolt, Button Head 3/8in-16NC x 1-1/4in	
255	4751600	5	Flatwasher 3/8in Regular	
256	3311601	5	Nut 3/8in-16NC	
257	0100011	AR	Compound, Locking	
258	0902472	1	Bracket	
259	4567429	1	Tube, Exhaust	
260	4567430	1	Tube, Exhaust	
261	4567431	1	Tube, Exhaust	
262	3220111	1	Spark Arrestor	
263	0340046	2	Band, Muffler	
264	0641507	4	Bolt 5/16in-18NC x 7/8in	
265	4711500	8	Flatwasher 5/16in Thin	
266	3311505	4	Locknut 5/16in-18NC	
267	4100025	3.5 ft /1.06m	Sleeve	
268	3100076	1	Manifold, Exhaust (UL Machines Only)	
269	4567428	1	Tube, Exhaust (UL Machines Only)	
270	0700812	3	Bolt M8 x 25mm (UL Machines Only)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
271	4831900	3	Lockwasher M8 (UL Machines Only)	
	2000189	Ref	**ENGINE COMPONENTS**	B
301	7016328	1	Filter, Fuel	
302	7000663	1	Alternator (was p/n 7020410)	
302	7020464	1	Regulator	
302	70003356	1	Pulley, Alternator	
302	70002234	1	Bracket, Adjustable	
303	7020461	1	Switch, Oil Pressure	
304	7016331	1	Filter, Oil	
305	7020479	1	Starter	
305	7026608	1	Relay	
305	70001498	1	Shield, Starter Heat (Not Shown)	
306	7026631	1	Dipstick Oil Level	
306	70001002	1	Tube, Dipstick	
306	7020487	1	O-Ring, Dipstick	
307	7020168	1	Switch, Engine Temperature	
307	7020480	1	Ring Seal, Engine Temperature Switch	
308	7020408	1	V-Belt	
310	7024318	4	Pump, Fuel Injection (was p/n 7020462)	
310	7026522	4	Injector, Fuel (Includes Nozzle Element) (Not Shown):	
311	7020463	1	Fuel, Pump Supply (was p/n 7024413)	
311	7020411	1	Gasket, Lift Pump	
312	7020465	2	Cap, Filler	
313	7020474	1	Pump, Oil Lube	
313	7020468	1	Ring Seal Oil Pump	
315	7024565	1	Sensor, Speed (was p/n 7020481) (Not Shown)	
316	7020458	1	Actuator, Throttle	
316	7027276	1	Spring, Actuator (was p/n 7026607)	
317	See Note	1	Flywheel/Ring Gear Assembly (Not Shown) (Note: Not Available for Purchase)	
317	7024579	1	Ring Gear Only (Not Shown)	
318	7020471	8	Gasket, Exhaust Manifold to Engine Block and Exhaust Manifold to Muffler (Not Shown)	
318	70002200	8	Stud	
318	70003476	8	Nut	
319	70001423	1	Bracket, Fuel Filter	
320	7020449	4	Gasket, Intake Manifold (Not Shown)	
321	7020431	1	Gasket, Valve Cover (Not Shown)	
322		Ref	Gasket, Head Options (Not Shown):	
322	70001681	1	Gasket, Head 1 Notch	
322	70002411	1	Gasket, Head 2 Notches	
322	70002530	1	Gasket, Head 3 Notches	
323	7020459	1	Thermostat (Located at rear of engine block - Not Shown)	
323	7020460	1	Spring, Compression	
324	7020488	1	Connector, Plug-in (Plug into Various Sensors - Oil, Temperature and Pressure - Not Shown)	
	0256847	Ref	**PUMP COUPLING INSTALLATION**	-
401	1660234	1	Coupling, Hayes	
402	0080163	1	Plate, Pump Adapter	
403	0700810	6	Bolt M8 x 20mm	
404	4831900	6	Lockwasher M8	
406	4832000	8	Lockwasher M10	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
407	3020021	AR	Grease, Coupling (Not Shown)	

FIGURE 2-9. DEUTZ ENGINE INSTALLATION (SN 0300077490 through 0300087000)



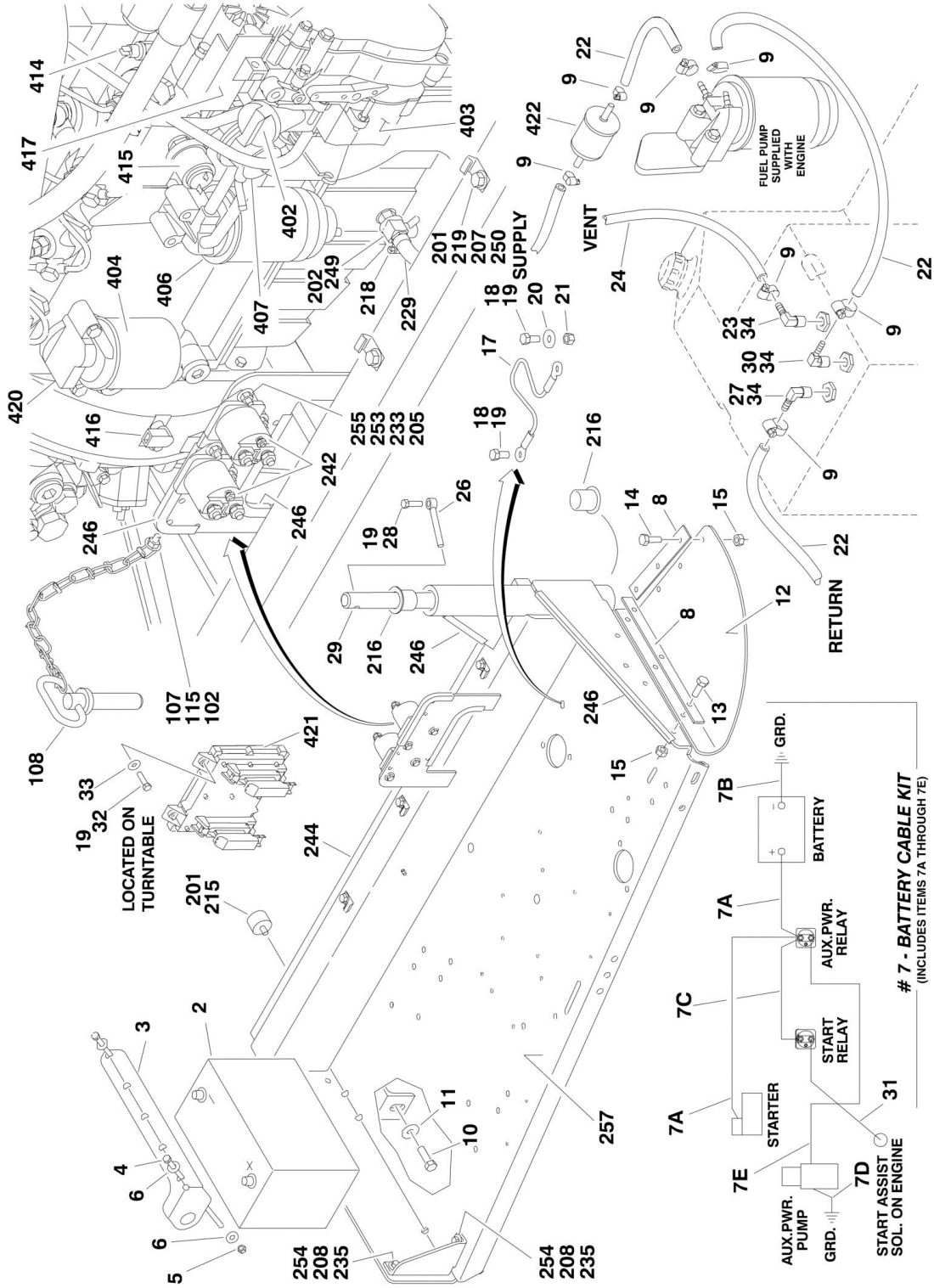

FUEL PUMP SUPPLIED WITH ENGINE
VENT
SUPPLY
RETURN
LOCATED ON TURNTABLE
7 - BATTERY CABLE KIT
(INCLUDES ITEMS 7A THROUGH 7E)
BATTERY
GRD.
AUX.PWR. RELAY
START RELAY
STARTER
AUX.PWR. PUMP
START ASSIST SOL. ON ENGINE

FIGURE 2-9. DEUTZ ENGINE INSTALLATION (SN 0300077490 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DEUTZ ENGINE INSTALLATIONS**	
	0273692	Ref	**2WD (SN 0300068000 through 0300084826)**	5-B
	0274298	Ref	**2WD (SN 0300084827 through 0300087000)**	C
	0273693	Ref	**4WD (SN 0300068000 through 0300084826)**	5-C
	0274297	Ref	**4WD (SN 0300084827 through 0300087000)**	C
2	0400075	1	Battery	
3	0181727	1	Hold-Down, Battery	
4	0630498	2	Bolt, Battery Hold-Down	
5	3311605	2	Locknut 3/8in-16NC	
6	4751600	4	Flatwasher 3/8in Regular	
7	2902296	1	Battery Cable Kit	B
7A	7027000	1	Cable, Battery (Red)	
		Ref	**Note: Machines SN 0300077490 to SN 0300087000 were built with Revisions A or B Cable Kit. Replacement p/n 7027000 will incorporate Item 70C. Discard Item 70C and install per illustration.**	
7B	7027004	1	Cable, Battery (Black)	
7C	7027001	1	Cable (Red) (No Longer Part of 2902296 Kit)	
7D	7027003	1	Cable (Black)	
7E	7027002	1	Cable (Red)	
8	3539957	2	Plate, Hold-Down	
9	1320022	AR	Clamp, Hose	
10	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
11	4752000	1	Flatwasher 5/8in Regular	
12	3380429	1	Panel, Rubber	
13	0641508	3	Bolt 5/16in-18NC x 1in	
14	0641514	3	Bolt 5/16in-18NC x 1-3/4in	
15	3311505	10	Locknut 5/16in-18NC	
16	1701505	1	Decal - Diesel (Not Shown - Located on Hood)	
17	1060637	1	Cable, Lanyard	
18	0641808	2	Bolt 1/2in-13NC x 1in	
19	0100011	AR	Compound, Locking	
20	4751800	1	Flatwasher 1/2in Regular	
21	3311801	1	Nut 1/2in-13NC	
22	2720058	30 ft/9.2m	Hose	
23	2220313	1	Fitting, 90	
24	2750532	6 ft/1.8m	Hose	
25	0100020	AR	Sealant, Pipe (Not Shown)	
26	3841143	1	Pin, Keeper	
27	2221176	1	Fitting, 90 Barbed	
28	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
29	3422446	1	Pin, Pivot	
30	2180348	1	Fitting, Straight Barbed	
31	4922978	1	Harness, Start Assist Solenoid **(SN 0300068000 through 0300084826)**	
32	0641410	4	Bolt 1/4in-20NC x 1-1/4in **(SN 0300084827 through 0300087000)**	
33	4711400	4	Flatwasher 1/4in Thin **(SN 0300084827 through 0300087000)**	
34	0100020	AR	Sealant, Pipe #567	
		Ref	**ENGINE AND PUMP ASSEMBLIES**	
	2000220	Ref	**2WD (SN 0300068000 through 0300084826)**	D

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2000281	Ref	**2WD (SN 0300084827 through 0300087000)**	B
	2000221	Ref	**4WD (SN 0300068000 through 0300084826)**	E
	2000280	Ref	**4WD (SN 0300084827 through 0300087000)**	B
101	0100011	AR	Compound, Locking	
102	0641407	1	Bolt 1/4in-20NC x 7/8in	
103	0641812	2	Bolt 1/2in-13NC x 1-1/2in	
107	3311405	1	Locknut 1/4in-20NC	
108	3422532	1	Pin, Hitch	
109	3600395	1	Gear Pump Assembly with Fittings (See GEAR PUMP ASSEMBLY for Breakdown)	
110		Ref	Piston Pump Assembly with Fittings Options (See PISTON PUMP ASSEMBLY for Breakdown):	
110	3600394	1	Piston Pump Assembly 2WD	
110	3600396	1	Piston Pump Assembly 4WD	
111	3790152	1	O-Ring	
112	3931620	2	Capscrew 3/8in-16NC x 1-1/4in	
113	3960389	5 ft/1.5m	Seal	
115	4751400	1	Flatwasher 1/4in Regular	
116	4891800	2	Flatwasher 1/2in Hardened	
117	3020016	3.75 gl /14.19L	Oil, Motor (Not Shown)	
		Ref	**ENGINE ASSEMBLIES**	
	2000219	Ref	**Engine Assemblies (SN 0300068000 through 0300084826)**	F
	2000279	Ref	**Engine Assemblies (SN 0300084827 through 0300087000)**	C
	0256689	Ref	**MUFFLER INSTALLATION - SPARK ARRESTING**	-
	0256690	Ref	**MUFFLER INSTALLATION - CATALYTIC**	-
201	0100011	AR	Compound, Locking	
202	0100020	AR	Sealant, Pipe	
204	0340041	2	Band, Air Cleaner	
205	0641407	8	Bolt 1/4in-20NC x 7/8in	
206	0641510	3	Bolt 5/16in-18NC x 1-1/4in	
207	0641606	3	Bolt 3/8in-16NC x 3/4in	
208	0641610	12	Bolt 3/8in-16NC x 1-1/4in	
209	0641818	2	Bolt 1/2in-13NC x 2-1/4in	
210	0641826	2	Bolt 1/2in-13NC x 3-1/4in	
211	0700808	4	Bolt 8mm x 16mm	
212	0701012	2	Bolt 10mm x 25mm	
213		Ref	Bolt Options:	
213	0701015	4	Bolt 10mm x 35mm **(SN 0300068000 through 0300084708)**	
213	0701014	6	Bolt 10mm x 30mm **(SN 0300084709 through 0300087000)**	
214	0701414	6	Bolt 14mm x 30mm	
215	0940070	1	Bumper	
216	0961986	2	Bushing, Flanged	
217	1320016	4	Clamp	
218	1320022	1	Clamp, Hose	
219	1320223	4	J-Clip	
220	1340060	1	Air Cleaner Assembly Filter Element	
220	7012664	1	Element, Filter (Not Shown)	
221	1703162	2	Decal - Caution Fan Blade	
222		Ref	Engine, Deutz - F4M2011 Tier II Options:	
222	2000216	1	Engine, Deutz - F4M2011 Tier II **(SN 0300077490 through 0300084826)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
222	2000274	1	Engine, Deutz - F4M2011 Tier II **(SN 0300084827 through 0300087000)**	
223	2060025	1	Fan	
224	2180798	1	Fitting **(SN 0300068000 through 0300084826)**	
225	2220451	2	Fitting, Straight	
226	2720398	2	Hose, Oil Cooler	
227	2720434	1	Elbow, Rubber	
228	2720449	1	Hose, Air Cleaner	
229	2750532	1 ft/30cm	Hose, Oil Drain	
230	3200362	2	Mount, Motor	
231	3200406	2	Mount, Motor	
232		Ref	Muffler Options:	
232	3220103	1	Muffler, Spark Arresting	
232	3220104	1	Muffler, Catalytic	
232		Ref	Muffler Components:	
232		Ref	Clamp Options:	
232	1320176	1	Clamp, Saddle Clamp Used on Spark Arresting	
232	70001017	1	Clamp, Band Clamp Used on Catalytic	
232	7024398	1	Clamp, Tube, Exhaust	
232	7024560	1	Clamp, Plug, Brass	
233	3311405	8	Locknut 1/4in-20NC	
234	3311505	3	Locknut 5/16in-18NC	
235	3311605	AR	Locknut 3/8in-16NC	
236	3311805	4	Locknut 1/2in-13NC	
237	3537416	1	Plate, Engine Mounting (Front Right Side)	
238	3539872	1	Plate, Radiator Mounting	
239	3539971	1	Plate, Engine Mounting (Front Bottom)	
240	3534978	1	Plate, Engine Mounting (Rear)	
241	3620033	1	Radiator	
242	3740067	2	Relay	
243	3960407	1	Gasket, Air Intake	
244	3960468	1	Seal	
245	3960469	1	Seal	
246	4060805	37 in/1m	Flex-Trim	
247	4360392	1	Indicator, Restriction **(SN 0300068000 through 0300084826)**	
248		Ref	Tube, Tuning Options:	
248	4567815	1	Tube, Tuning **(SN 0300068000 through 0300084826)**	
248	4569171	1	Tube, Tuning **(SN 0300084827 through 0300087000)**	
249	4640751	1	Valve, Oil Drain	
250	4711600	3	Flatwasher 3/8in Thin	
251	4711900	6	Flatwasher 9/16in Thin	
252	4740274	4	Washer, Snubbing	
253	4751400	16	Flatwasher 1/4in Regular	
254	4751600	40	Flatwasher 3/8in Regular	
255	4791400	4	Starwasher 1/4in	
256	4845395	1	Adapter, Air Intake	
257	4845404	1	Tray, Engine	
258	4846566	1	Plate, Engine Mounting (Front Left Side)	
259		Ref	Bolt Options:	
259	0641610	8	Bolt 3/8in-16NC x 1-1/4in **(SN 0300068000 through 0300084708)**	
259	0641608	8	Bolt 3/8in-16NC x 1in **(SN 0300084709 through 0300087000)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
260	4711700	6	Flatwasher 7/16in Thin **(SN 0300084709 through 0300087000)**	
261	4751700	2	Flatwasher 7/16in Regular **(SN 0300084709 through 0300087000)**	
	0256847	Ref	**PUMP COUPLING INSTALLATION**	2
301	1660234	1	Coupling, Hayes	
302	0080163	1	Plate, Pump Adapter	
303	0700810	63	Bolt M8 x 20mm	
304	4831900	6	Lockwasher M8	
306	4832000	8	Lockwasher M10 **(SN 0300068000 through 0300084708)**	
307	3020021	AR	Grease, Coupling	
		Ref	**ENGINE COMPONENTS**	
	2000216	Ref	**Engine Components (SN 0300068000 through 0300084826)**	D
	2000274	Ref	**Engine Components (SN 0300084827 through 0300087000)**	A
401	7026631	1	Dipstick	
401	7020487	1	O-Ring, Dipstick (Not Shown)	
402	7020465	1	Cap, Filler	
403	70001850	1	Pump, Oil Lube (was p/ns 7020484 & 70000045)	
403	7020468	1	Seal Between Oil Pump and Engine Block (Not Shown)	
404	7016331	1	Filter, Oil	
405		Ref	Pump, Injector Options:	
405	7027246	4	Pump, Injector Series A Injector	
405	7027608	4	Pump, Injector Series B Injector	
405	7027609	4	Pump, Injector Series C Injector	
405	7027610	4	Pump, Injector Series D Injector	
405	7020447	4	Pump, Injector Gasket (I per Injector)	
406	7016328	1	Filter, Fuel	
407	70000916	1	Pump, Fuel Supply (was p/n 7027238)	
407	70001435	1	Repair Kit for 70000916 Pump	
407	70000919	1	Hand Pump for 70000916 Pump	
407	70000918	1	Seal, Hand Pump for 70000916 Pump	
407		Ref	O-Seal Between Fuel Pump and Engine Block Options (Not Shown):	
407	7020411	1	O-Seal Between Fuel Pump and Engine Block 7027238 Pump	
407	70000917	1	O-Seal Between Fuel Pump and Engine Block 70000916 Pump	
408	7020449	4	Gasket, Intake Manifold (Not Shown)	
409	7020408	1	V-Belt	
410	7020471	4	Gasket, Exhaust Manifold to Engine Block (Not Shown)	
410	70002200	8	Stud	
410	70003476	8	Nut (Not Shown)	
410	7020471	4	Gasket, Exhaust Manifold to Exhaust Muffler (Not Shown)	
411	7000663	1	Alternator (was p/n 7020410)	
411	7020464		Regulator, Voltage (Not Shown)	
411	70002234	1	Bracket, Adjusting (Not Shown)	
412	7020479	1	Starter	
412	7026608	1	Relay	
412	70001498	1	Shield, Starter Heat	
413	7027793	1	Plug- In Connector (Not Shown)	
414	7027241	1	Transmitter, Temperature (Used on 2000219)	
414	7027791	1	Transmitter, Temperature (Used on 2000274)	
414	See Note	1	Ring, Sealing (Note: Not Available for Purchase)	
415	7020461	1	Sensor, Oil Pressure (Used on 2000219)	
415	7027790	1	Sensor, Oil Pressure (Used on 2000274)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
416	7024565	1	Sensor, Speed	
417	7020458	1	Actuator, Throttle (Used on 2000219)	
417	7027792	1	Actuator, Throttle (Used on 2000274)	
417	7027276	2	Spring, Actuator (Used on 2000274)	
418	7020459	1	Thermostat (Located at rear of engine block - Not Shown)	
418	7020460	1	Spring, Compression	
419		Ref	Flywheel Options (Not Shown):	
419	See Note	1	Flywheel (Note: Not Available for Purchase) **(SN 0300068000 through 0300084826)**	
419	70000264	1	Flywheel **(SN 0300084827 through 0300087000)**	
419	7024579	1	Ring Gear (Located on Flywheel - Not Shown)	
420		Ref	Sender, Temperature Options:	
420	7027236	1	Sender, Temperature **(SN 0300068000 through 0300084826)**	
420	See Note	1	Sender, Temperature (Note: Not Available for Purchase) **(SN 0300084827 through 0300087000)**	
421	7027795	1	Module, Control (Used on 2000274 Only) **(SN 0300084827 through 0300087000)**	
422	7027245	1	Filter, Fuel In-line	
423	7027239	1	Solenoid, Start	
424		Ref	Timing Belt/Idler Kit Options (Not Shown):	
424	70000800	1	Timing Belt/Idler Kit **(SN 0300068000 through 0300084826)**	
424	See Note	1	Timing Belt/Idler Kit (Note: Not Available for Purchase) **(SN 0300084827 through 0300087000)**	
425		Ref	Flywheel Options (Not Shown):	
425	See Note	1	Flywheel (Note: Not Available for Purchase) **(SN 0300068000 through 0300084826)**	
425	70000264	1	Flywheel **(SN 0300084827 through 0300087000)**	
425	7024579	1	Flywheel, Ring Gear (Located on Flywheel - Not Shown)	
426		Ref	Gasket, Head Options (Not Shown):	
426		Ref	Gasket for 2000274 Engines	
426	70003001	1	Gasket - 1 Notch	
426	70003002	1	Gasket - 2 Notch	
426	70003003	1	Gasket - 3 Notch	
426	See Note	1	Gasket for 2000216 Engines (Note: Not Available for Purchase)	
	0274233	Ref	**FUEL FILTER INSTALLATION (NOT SHOWN) (SN 0300077442 through 0300087000)**	A
	0100020	AR	Sealant, Pipe	
	0641610	2	Bolt 3/8in-16NC x 1-1/4in	
	1320022	2	Clamp	
	2120203	1	Filter	
	2221176	2	Fitting, 90	
	2720058	4.5 ft /1.4m	Hose	
	3311605	2	Locknut 3/8in-16NC	
	4751600	4	Flatwasher 3/8in Regular	

FIGURE 2-10. FORD ENGINE INSTALLATION (SN 0300068000 through 0300079618)

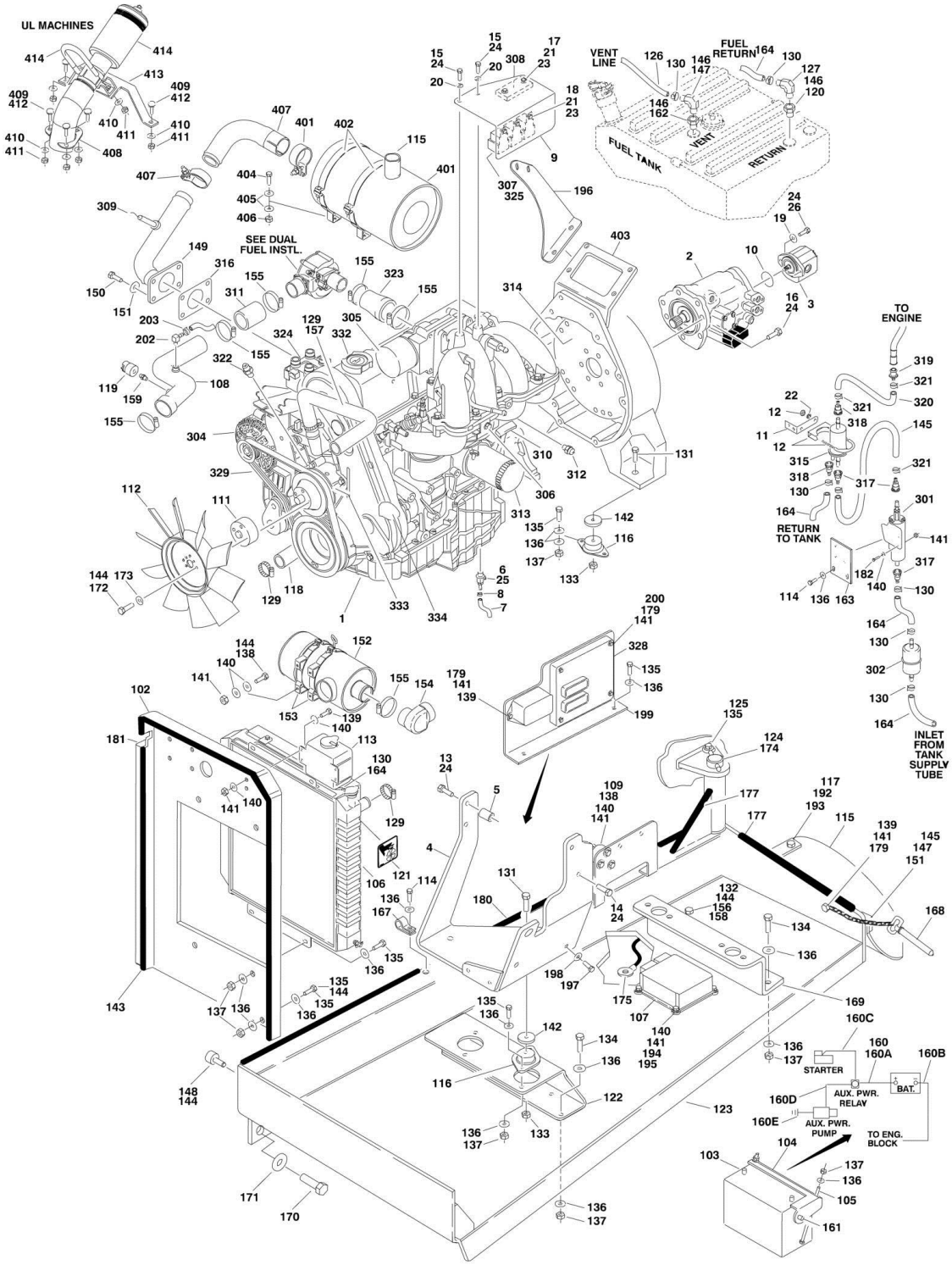


FIGURE 2-10. FORD ENGINE INSTALLATION (SN 0300068000 through 0300079618)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ENGINE ASSEMBLIES**	
	0270767	Ref	**Standard Gas Machines**	3/B
	0270765	Ref	**Dual Fuel Machines (SN 0300068000 through 0300071582)**	2-A
	0272896	Ref	**Dual Fuel Machines (SN 0300071583 through 0300075605)**	2-B
	0273592	Ref	**Dual Fuel Machines 2WD (SN 0300075606 through 0300079618)**	2-B
	0273224	Ref	**Dual Fuel Machines 4WD (SN 0300075606 through 0300079618)**	4-D
1		Ref	Engine - Ford LRG-425 Options:	
1	2000172	1	Engine - Ford LRG-425 Standard Gas Machines	
1	2000174	1	Engine - Ford LRG-425 Dual Fuel Machines **(SN 0300068000 through 0300071582)**	
1	2000193	1	Engine - Ford LRG-425 Dual Fuel Machines **(SN 0300071583 through 0300079618)**	
2		Ref	Piston Pump Assembly Options:	
2	3600260	1	Piston Pump Assembly (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300068000 through 0300075605)**	
2	3600388	1	Piston Pump Assembly 2WD (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300075606 through 0300079618)**	
2	3600381	1	Piston Pump Assembly 4WD (See PISTON PUMP ASSEMBLY for Breakdown) **(SN 0300075606 through 0300079618)**	
3	3600242	1	Gear Pump Assembly (See GEAR PUMP ASSEMBLY for Breakdown)	
4		Ref	Plate, Engine Mounting - Front Options:	
4	3539972	1	Plate, Engine Mounting - Front **(SN 0300068000 through 0300073347)**	
4	4846806	1	Plate, Engine Mounting - Front **(SN 0300073348 through 0300079618)**	
5	4566605	1	Tube, Spacer	
6	4640989	1	Valve, Oil Drain	
7	2750532	1 ft /30.5cm	Hose	
8	1320022	1	Clamp	
9	3571498	1	Plate, Module Mounting	
10	3790152	1	O-Ring	
11	0902539	1	Bracket, Fuel Filter/Pressure Regulator	
12	1320019	1	Clamp, Exhaust	
13	0701022	2	Bolt M10 x 70mm	
14	0701014	2	Bolt M10 x 30mm	
15	0700810	2	Bolt M8 x 20mm	
16	0641812	2	Bolt 1/2in-13NC x 1-1/2in	
17	0721014	2	Bolt #10-24NC x 1-3/4in	
18	0721006	3	Bolt #10-24NC x 3/4in	
19	4891600	2	Flatwasher 3/8in Hardened	
20	4751500	2	Flatwasher 5/16in Regular	
21	4751000	8	Flatwasher #10 Regular	
22	4761500	2	Lockwasher 5/16in	
23	3311005	5	Locknut #10-24NC	
24	0100011	AR	Compound, Locking	
25	0100020	AR	Sealant	
26	3931620	2	Screw 3/8in-16NC x 1-1/4in **(SN 0300068000 through 0300073555)**	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ENGINE INSTALLATIONS**	
	0270766	Ref	**Standard Gas Machines**	5-E
	0270764	Ref	**Dual Fuel Machines (SN 0300068000 through 0300071582)**	5-E
	0272049	Ref	**Dual Fuel Machines (SN 0300071583 through 0300075605)**	4-D
	0273597	Ref	**Dual Fuel Machines 2WD (SN 0300075606 through 0300079618)**	2-B
	0273225	Ref	**Dual Fuel Machines 4WD (SN 0300075606 through 0300079618)**	5-E
102		Ref	Mount, Radiator Options:	
102	3571692	1	Mount, Radiator Standard	
102	3571692	1	Mount, Radiator Dual Fuel **(SN 0300068000 through 0300071582)**	
102	3539872	1	Mount, Radiator Dual Fuel **(SN 0300071583 through 0300079618)**	
103		Ref	Battery Options:	
103	0400075	1	Battery (Wet)	
103	7016180	1	Battery (Dry)	
104	0181727	1	Battery Hold-Down	
105	0630498	2	Bolt, Tie-Down	
106	3620040	1	Radiator	
106	7019656	1	Cap, Radiator	
107	1600314	1	Controller, ECM Options: Standard Dual Fuel	
108		Ref	Tube, Air Intake Options:	
108	4846011	1	Tube, Air Intake Standard Gas Machines	
108	4846046	1	Tube, Air Intake Dual Fuel Machines	
109	3740067	1	Relay (Auxiliary Power)	
111	0080214	1	Spacer, Fan	
112	2060025	1	Fan	
113	1580011	1	Tank, Coolant Recovery	
114	0641606	4	Bolt 3/8in-16NC x 3/4in	
115	3380429	1	Panel, Rubber	
116	3200362	4	Mount, Rubber	
117	3539957	2	Plate, Hold-Down	
118	2720435	1	Hose, Radiator - Bottom (was p/ns 7016376 & 7019927)	
119	4360392	1	Indicator, Clogged Filter	
120	2220430	1	Fitting, Reducer	
121	1703162	2	Decal - Fan Blade	
122		Ref	Plate, Engine Mount (Front) Options:	
122	3570103	1	Plate, Engine Mount (Front) **(SN 0300068000 through 0300073337)**	
122	3574122	1	Plate, Engine Mount (Front) **(SN 0300073338 through 0300079618)**	
123	4845404	1	Tray Weldment	
124	3422446	1	Pin, Pivot	
125	3841143	1	Pin, Keeper	
126	2750532	5 ft/1.52m	Hose	
127	2220805	1	Fitting, Barbed 90	
128	1320060	1	Clamp **(SN 0300068000 through 0300073337)**	
129	1320012	AR	Clamp, Hose	
130	1320022	8	Clamp	
131	0641828	4	Bolt 1/2in-13NC x 3-1/2in	
132	4751800	1	Flatwasher 1/2in Regular	
133	3311805	4	Locknut 1/2in-13NC	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
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 Regular	
137	3311605	AR	Locknut 3/8in-16NC	
138	0641408	AR	Bolt 1/4in-20NC x 1in	
139	0641406	AR	Bolt 1/4in-20NC x 3/4in	
140	4751400	22	Flatwasher 1/4in Regular	
141	3311405	19	Locknut 1/4in-20NC	
142	4740274	4	Washer, Snubbing	
143	3960389	5 ft/1.52m	Seal	
144	0100011	AR	Compound, Locking	
145	2720472	1	Hose	
146	0100020	AR	Sealant	
147	2180467	2	Fitting, Barbed 90	
148	0940070	1	Bumper, Rubber	
149	4567879	1	Tube, Exhaust	
150	0701012	AR	Bolt M10 x 25mm	
151	4832000	4	Lockwasher M10	
152	1340060	1	Air Cleaner Assembly	
152	7012664	1	Element, Air Cleaner	
153	0340041	2	Band, Air Cleaner	
154	0080201	1	Elbow, Rubber	
155	1320016	AR	Clamp	
156	3311801	1	Nut 1/2in-13NC	
157	2720436	1	Hose, Radiator - Top (was p/n 7019926)	
158	0641808	AR	Bolt 1/2in-13NC x 1in	
159	2180798	1	Fitting, Restrictor Indicator	
160	2901362	1	Battery Cable Kit **(SN 0300068000 through 0300075605)**	C
160	2902297	1	Battery Cable Kit **(SN 0300075606 through 0300079618)**	A
160A	7016800	1	Cable, Battery (Red) (Kit p/n 2901362)	
160A	7027006	1	Cable, Battery (Red) (Kit p/n 2902297)	
160B	7016807	1	Cable, Battery (Black) (Kit p/n 2901362)	
160B	7027005	1	Cable, Battery (Black) (Kit p/n 2902297)	
160C	7016808	1	Cable (Red) (Kit p/n 2901362)	
160C	7027007	1	Cable (Red) (Kit p/n 2902297)	
160D	7016804	1	Cable (Red) (Kit p/n 2901362)	
160D	7027002	1	Cable (Red) (Kit p/n 2902297)	
160E	Not Required	0	Kit p/n 2901362	
160E	7027003	1	Cable (Black) (Kit p/n 2902297)	
161	4460611	1	Terminal, Battery Jumper Post **(SN 0300068000 through 0300075605)**	
162	2220250	2	Fitting, Reducer	
163	3572414	1	Plate, Fuel Pump Mounting	
164	2720058	12 ft/3.7m	Hose, Fuel Line	
167	1320223	3	Clamp	
168	3422532	1	Pin, Hitch	
169	3570133	1	Plate, Engine Mount (Rear)	
170	0642010	1	Bolt 5/8in-11NC x 1-1/4in	
171	4752000	1	Flatwasher 5/8in Regular	
172	0700819	4	Bolt M8 x 55mm	
173	4831900	4	Lockwasher M8	
174	0961986	2	Flange, Bearing	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
175	1060637	1	Lanyard	
177	4060805	2.9 ft /0.88m	Flexible Trim 3/16in	
179	4711400	AR	Flatwasher 1/4in Thin	
180	3960468	1	Seal, Foam 1-1/4in x 1-1/4in x 47-1/4in	
181	3960469	1	Seal, Foam 1-1/4in x 1-1/4in x 32in	
182	0641410	3	Bolt 1/4in-20NC x 1-1/4in	
191	0641508	3	Bolt 5/16in-18NC x 1in	
192	0641514	3	Bolt 5/16in-18NC x 1-3/4in	
193	3311505	6	Locknut 5/16in-18NC	
194		Ref	Standoff, 1/4in x 2in Options:	
194	4568158	4	Standoff, 1/4in x 2in Standard	
194	4568158	4	Standoff, 1/4in x 2in Dual Fuel **(SN 0300068000 through 0300071582)**	
194	Not Required	0	Standoff, 1/4in x 2in Dual Fuel **(SN 0300071583 through 0300079618)**	
195		Ref	Bolt 1/4in-20NC x 3in Options:	
195	0641424	4	Bolt 1/4in-20NC x 3in Standard	
195	0641424	4	Bolt 1/4in-20NC x 3in Dual Fuel **(SN 0300068000 through 0300071582)**	
195	Not Required	0	Bolt 1/4in-20NC x 3in Dual Fuel **(SN 0300071583 through 0300079618)**	
196	0902572	1	Bracket, LP Mounting (Dual Fuel Only)	
197	0641808	1	Bolt 1/2in-13NC x 1in **(SN 0300071583 through 0300079618)**	
198	4771800	2	Starwasher 1/2in **(SN 0300071583 through 0300079618)**	
199	3574162	1	Plate, ECM/Relay Mount (Dual Fuel Only) **(SN 0300071583 through 0300079618)**	
200	0641414	4	Bolt 1/4in-20NC x 1-3/4in (Dual Fuel Only) **(SN 0300071583 through 0300079618)**	
201	0100048	AR	Grease, Dielectric (Not Shown)	
202	2180467	1	Fitting, 90 Barbed	
203	1320032	2	Clamp, Hose	
		Ref	**ENGINE COMPONENTS**	
	2000172	Ref	**Standard Gas Machines**	
	2000174	Ref	**Dual Fuel Machines (SN 0300068000 through 0300071582)**	
	2000193	Ref	**Dual Fuel Machines (SN 0300071583 through 0300079618)**	
301	3600377	1	Fuel Pump and Isolator Assembly (was p/n 7022133)	
301	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 and Regulator	
304	7000897	1	Alternator without Pulley and Regulator	
305		Ref	Actuator, Throttle Options:	
305	7023655	1	Actuator, Throttle **(SN 0300068000 through 0300071582)**	
305	7023683	1	Actuator, Throttle **(SN 0300071583 through 0300079618)**	
305	7023652	1	Plate, Actuator Adapter	
305	7023654	1	Gasket, Actuator to Adapter Plate	
305	7023653	2	Bolt (Adapter Plate to Intake Manifold)	
305	7023656	4	Bolt (Actuator to Adapter Plate)	
306	7019996	1	Sensor, Air Temperature (was p/n 7023661)	
306	7023662	1	Bracket, Air Temperature Sensor (Not Shown)	
307	7023663	1	Harness, ECM (was p/n 7022137) **(SN 0300068000 through 0300071582)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
307	7023681	1	Harness, ECM **(SN 0300071583 through 0300079618)**	
308	7022139	1	Sensor, MAP	
309	7019994	1	Sensor, EGR **(SN 0300068000 through 0300071582)**	
309	7023682	1	Sensor, EGR **(SN 0300071583 through 0300079618)**	
310	2420187	1	Dipstick (was p/n 7022140)	
310	4564281		Tube, Dipstick (was p/n 7022146)	
311	7023658	1	Adapter, Rubber Air Horn	
312	7023637	1	Switch, Oil Pressure	
313	7021868	1	Filter, Oil (was p/n 7022147, 7022173 & 7014501)	
314	1660250	1	Coupling, Pump (was p/n 7016662)	
314	7019976	1	Flywheel (Not Shown)	
314	7012180	1	Ring Gear (Not Shown)	
314	7020120	1	Housing, Flywheel	
315	7019993	1	Pressure Regulator and Filter Assembly (was p/n 7022163)	
316	70002307	1	Gasket, Exhaust (Manifold to Pipe)	
316	7022143	1	Gasket, Exhaust (Manifold to 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	
322	7022179	1	Sensor, Camshaft (Not Shown)	
323	2720341	1	Hose, Air Outlet (was p/n 7022141)	
324	7019930	1	Coil, Ignition	
324	7022157	1	Ignition Wire Set	
324	7019932	4	Spark Plug (was p/n 7012595)	
325		Ref	Relay Options:	
325	7023613	3	Relay **(SN 0300068000 through 0300071582)**	
325	7023695	3	Relay **(SN 0300071583 through 0300079618)**	
327	7019925	1	PCV Valve (Not Shown)	
328	1600314	1	Module, EPM (was p/n 7023664) **(SN 0300068000 through 0300071582)**	
328	1600363	1	Module, EPM (was p/n 7023684) **(SN 0300071583 through 0300079618)**	
328	2915196	1	Update Kit - EPM Module Only (was p/n 7023686) **(SN 0300068000 through 0300071582)**	
329	7027402	1	Belt, Drive (was p/n 7019979)	
329	70002567	1	Tensioner, Belt	
330	7023657	1	Wire Assembly, TPS Adapter (Not Shown)	
331	7022149	1	Gasket Kit, Lower Manifold (Not Shown)	
331	7025124	1	Gasket Kit, Upper Manifold (was p/n 7022148) (Not Shown)	
331	7022144	1	Gasket, Upper Manifold Throttle (Not Shown)	
332	7022151	1	Cap, Oil Filler	
333	7022153	1	Pump, Water	
333	7022154	1	Gasket, Water Pump (Not Shown)	
333	7022155	1	Sensor, Water Temperature (Not Shown)	
333	7022156	1	Thermostat Assembly (Not Shown)	
333	7023644	1	Hose, Water Pump (By-Pass) (Not Shown)	
334	7022150	1	Belt, Timing	
335	7022152	1	Injector, Fuel (Not Shown)	
	3124114	1	Service Manual, Ford EFI System Diagnostic	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**MUFFLER INSTALLATIONS**	
	0258390	Ref	**Standard Spark Arresting**	1
	0258391	Ref	**Optional Catalytic**	1
	0258570	Ref	**UL - Spark Arresting**	2
401		Ref	Muffler Options:	
401	3220113	1	Muffler Standard Spark Arresting	
401	3220114	1	Muffler Optional Catalytic	
401	70001017	1	Muffler Clamp	
402	0340046	2	Band	
403	0902309	1	Bracket, Muffler	
404	0641508	4	Bolt 5/16in-18NC x 1in	
405	4711500	8	Flatwasher 5/16in Thin	
406	3311505	4	Locknut 5/16in-18NC	
407	4567073	1	Tube, Exhaust	
407	70001017	1	Clamp	
		Ref	**Note: Items 408 to 414 for UL Machines Only.**	
408	4845667	1	Tube, Exhaust	
409	3900232	5	Bolt, Button Head 3/8in-16NC x 1-1/4in	
410	4751600	7	Flatwasher 3/8in Regular	
411	3311601	5	Nut 3/8in-16NC	
412	0100011	AR	Compound, Locking	
413	0902472	1	Bracket, Exhaust Support	
414	4846817	1	Spark Arrestor	

FIGURE 2-11. DUAL FUEL INSTALLATIONS (FORD MACHINE OPTION)

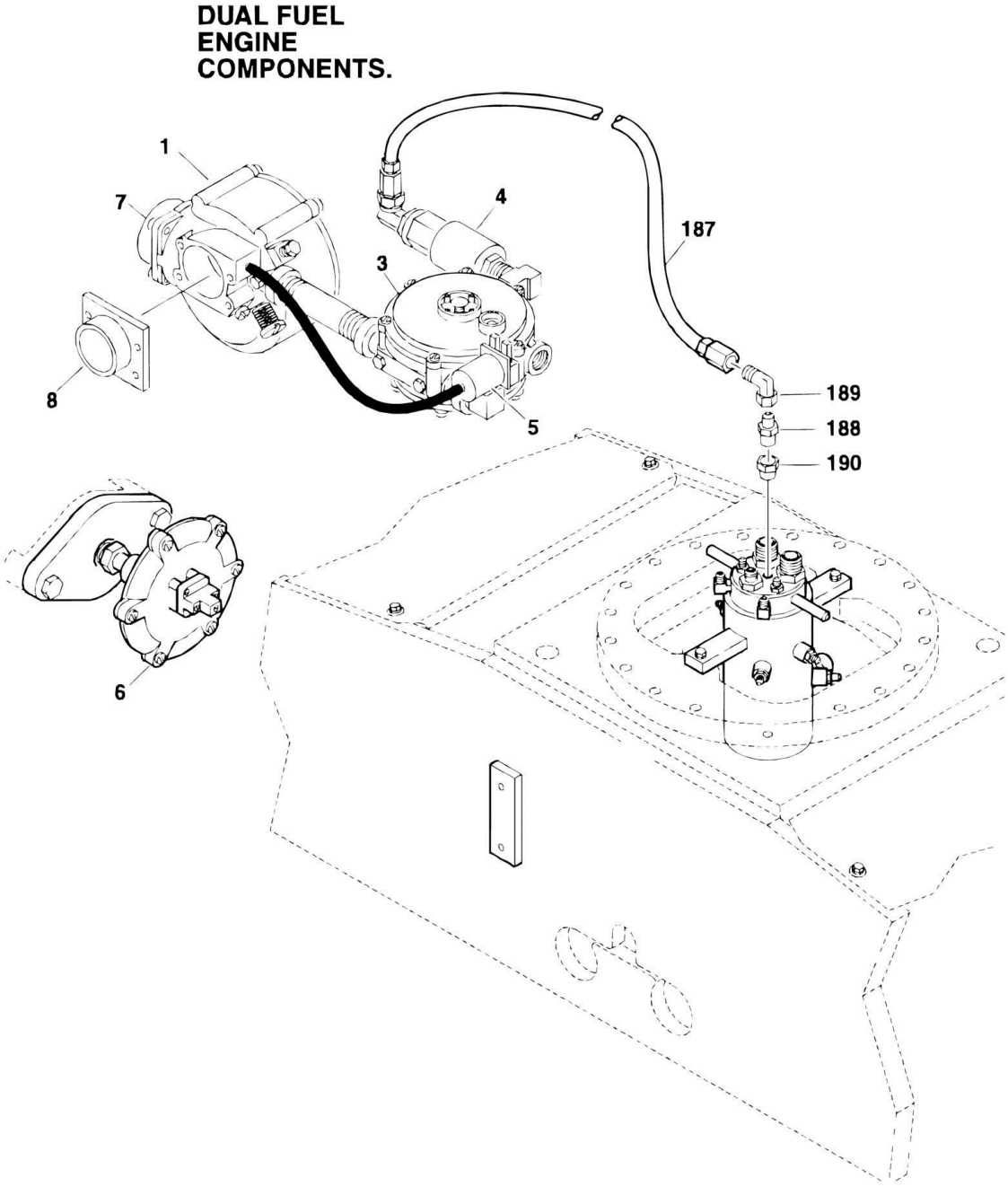
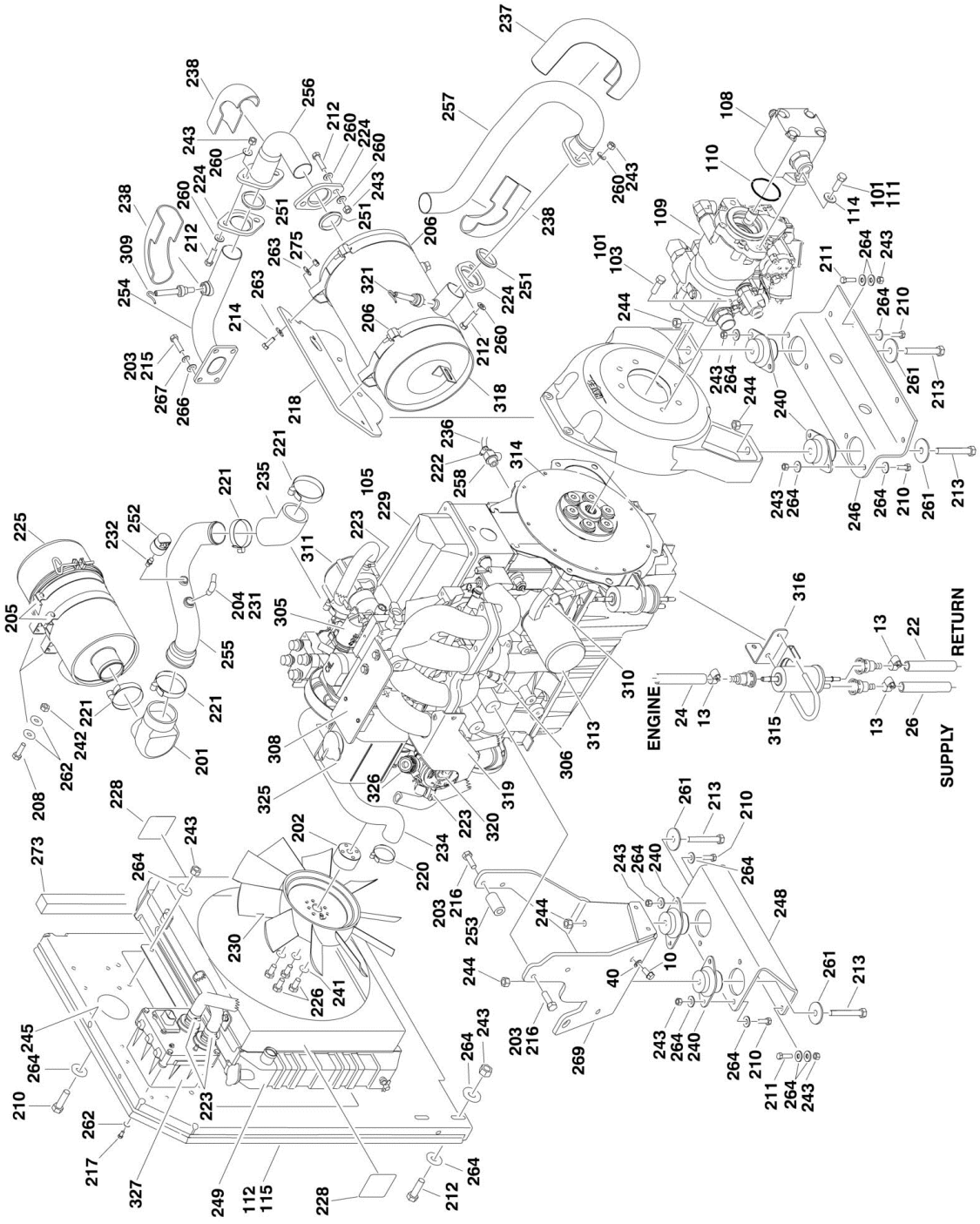


FIGURE 2-11. DUAL FUEL INSTALLATIONS (FORD MACHINE OPTION)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DUAL FUEL ENGINE COMPONENTS ONLY (SN 0300068000 through 0300079618)**	
		Ref	**Note: For Machines built SN 0300079619 through 0300087000 refer to Engine Installation (FORD ENGINE INSTALLATION)**	
	2000174	Ref	**Dual Fuel Machines (SN 0300068000 through 0300071582)**	
	2000193	Ref	**Dual Fuel Machines (SN 0300071583 through 0300079619)**	
1	7022165	1	Mixer	
1	7022171	1	Repair Kit - 7022165 Mixer	
1	7023645	1	Gasket, Mixer	
3	7022167	1	Convertor	
3	7022170	1	Repair Kit - 7022167 Convertor	
4	7023680	1	Filter, LP Shut-Off (was p/n 7022169)	
4	7023679	1	Electrical Connector Kit (Includes (1) 2 Position Connector, 2 Pins & 2 Seals)	
5	7022168	1	Valve, Solenoid	
6	4360188	1	Switch, Vacuum	
7	7023603	1	Adaptor	
8	7022166	1	Adaptor	
		Ref	**DUAL FUEL MACHINE COMPONENTS**	
	0270764	Ref	**Dual Fuel Machine Components (SN 0300068000 through 03000671537)**	5-E
	0272049	Ref	**Dual Fuel Machine Components (SN 03000671538 through 03000679618)**	1-A
	0274018	Ref	**2WD (SN 03000679619 through 03000687000)**	B
	0274019	Ref	**4WD (SN 03000679619 through 03000687000)**	B
187	2720392	1	Hose	
188	2180418	1	Fitting, Straight	
189	2220064	1	Fitting, 90	
190	2220005	1	Fitting, Reducer	

FIGURE 2-12. FORD ENGINE INSTALLATION (SN 0300079619 through 0300087000)



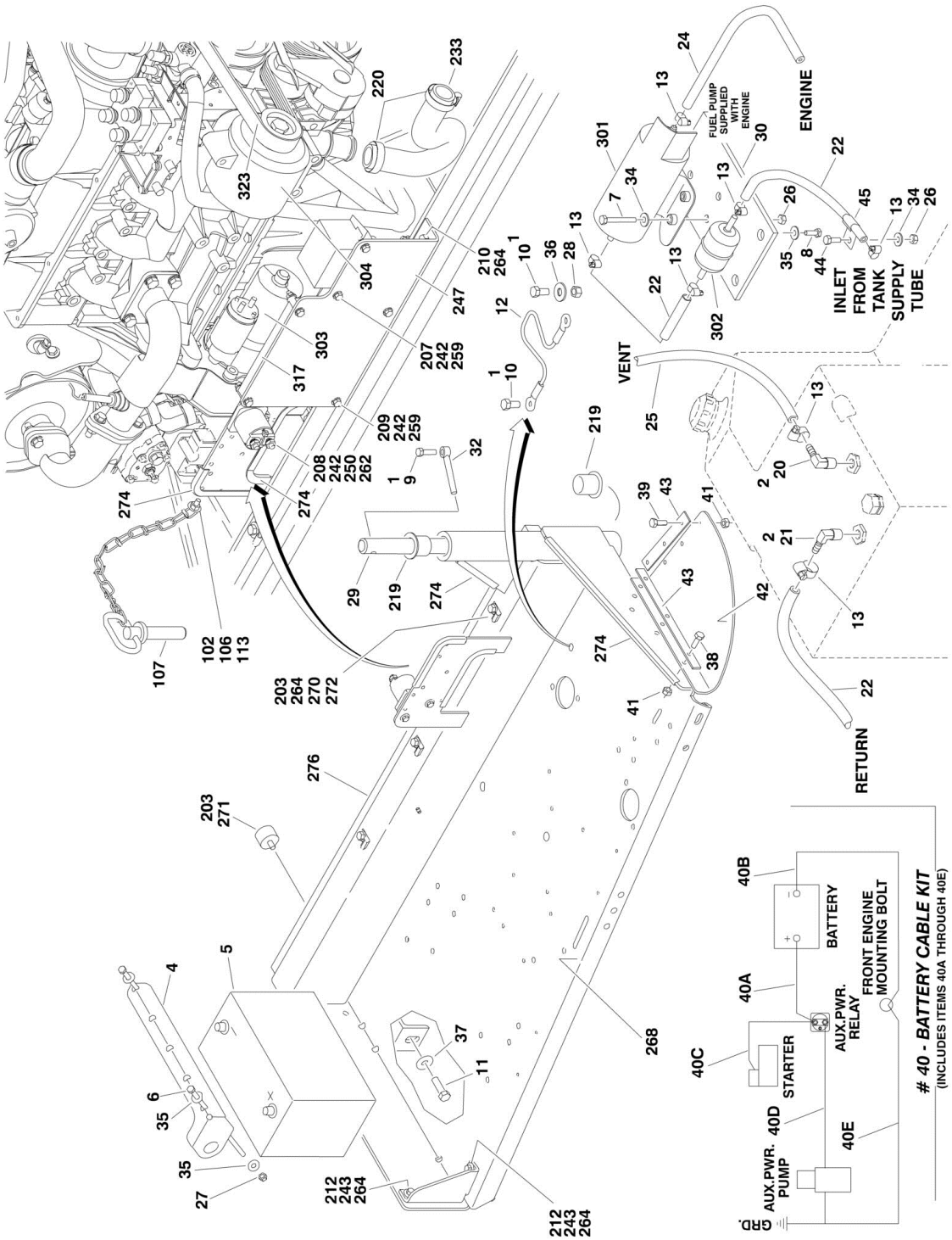

ENGINE
FUEL PUMP SUPPLIED WITH ENGINE
INLET FROM TANK SUPPLY TUBE
VENT
RETURN
BATTERY
FRONT ENGINE MOUNTING BOLT
AUX.PWR. RELAY
STARTER
AUX.PWR. PUMP
GRD.
40 - BATTERY CABLE KIT
(INCLUDES ITEMS 40A THROUGH 40E)

FIGURE 2-12. FORD ENGINE INSTALLATION (SN 0300079619 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ENGINE INSTALLATIONS**	
	0274018	Ref	**2WD (SN 0300068000 through 0300084826)**	B
	0274490	Ref	**2WD (SN 0300084827 through 0300087000)**	B
	0274019	Ref	**4WD (SN 0300068000 through 0300084826)**	B
	0274489	Ref	**4WD (SN 0300084827 through 0300087000)**	B
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		Ref	Bolt Options:	
7	0641410	2	Bolt 1/4in-20NC x 1-1/4in **(SN 0300068000 through 0300084826)**	
7	0641408	2	Bolt 1/4in-20NC x 1in **(SN 0300084827 through 0300087000)**	
8	0641606	1	Bolt 3/8in-16NC x 3/4in	
9	0641608	1	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 (Not Shown - Located on Turntable to clamp fuel line)	
14	1701542	1	Decal - Gas (Not Shown - Located on Hood)	
15	1701543	1	Decal - LP (Not Shown - Located on Frame)	
20	2220313	1	Fitting, 90	
21	2221176	1	Fitting, 90	
22	2720058	12 ft/3.7m	Hose, Fuel Line	
24	2720472	1	Hose, Fuel Line	
25	2720532	5 ft/1.5m	Hose, Fuel Line	
26	3311405	3	Locknut 1/4in-20NC	
27	3311605	2	Locknut 3/8in-16NC	
28	3311801	1	Nut 1/2in-13NC	
29	3422446	1	Pin	
30	3572414	1	Plate, Fuel Pump Mount	
32	3841143	1	Pin, Keeper	
34	4751400	3	Flatwasher 1/4in Regular	
35	4751600	5	Flatwasher 3/8in Regular	
36	4751800	1	Flatwasher 1/2in Regular	
37	4752000	1	Flatwasher 5/8in Regular	
38	0641508	3	Bolt 5/16in-18NC x 1in	
39	0641514	3	Bolt 5/16in-18NC x 1-3/4in	
40	2902297	1	Battery Cable Kit	A
40A	7027006	1	Cable, Battery (Red)	
40B	7027005	1	Cable, Battery (Black)	
40C	7027007	1	Cable (Red)	
40D	7027002	1	Cable (Red)	
40E	7027003	1	Cable (Black)	
41	3311505	6	Locknut 5/16in-18NC	
42	3380429	1	Panel, Rubber	
43	3539957	2	Plate	
44	0641406	1	Bolt 1/4in-20NC x 3/4in **(SN 0300084827 through 0300087000)**	

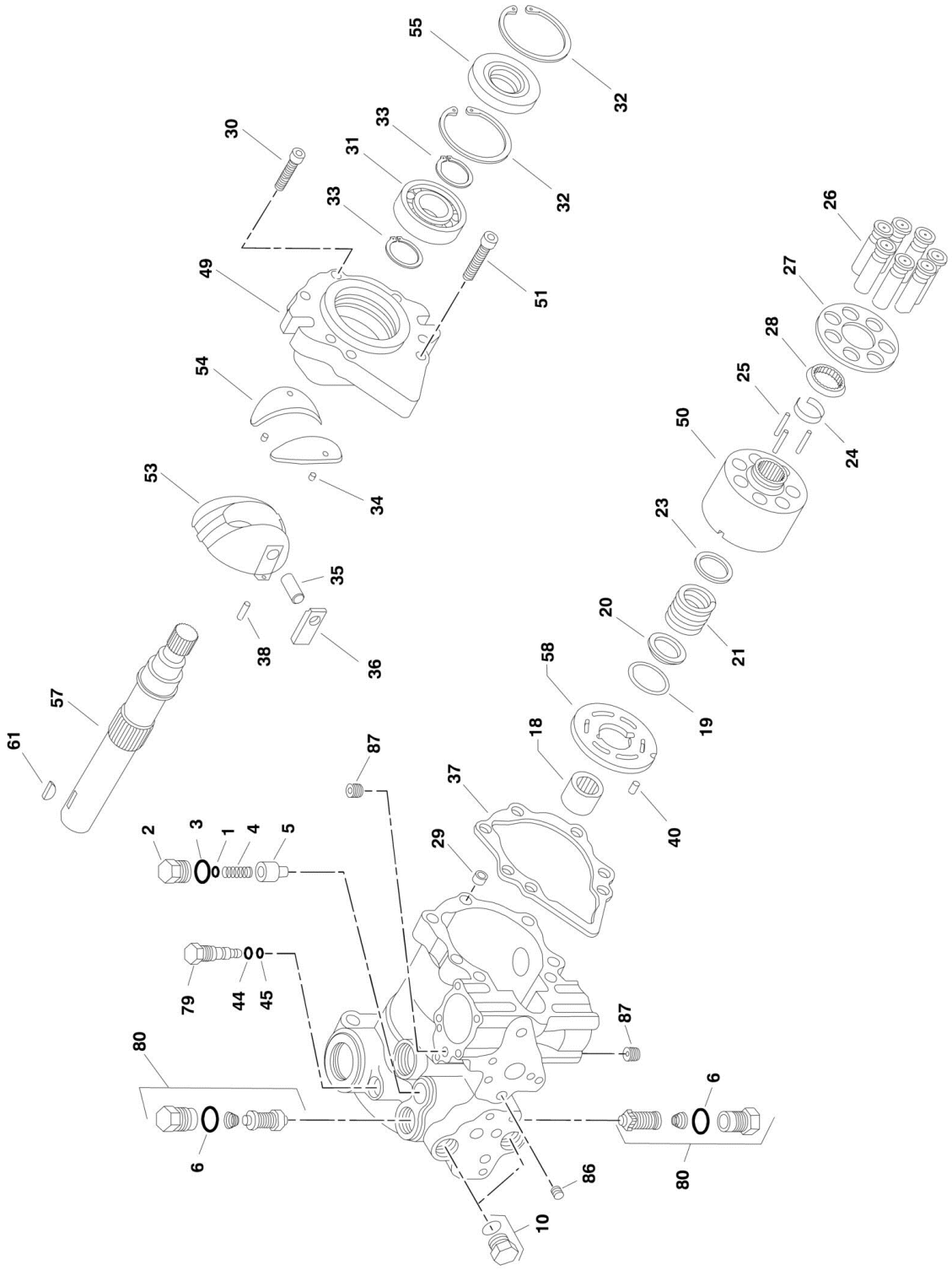
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
45	1320222	1	Clamp **(SN 0300084827 through 0300087000)**	
		Ref	**ENGINE AND PUMP ASSEMBLIES**	
	2000257	Ref	**2WD (SN 0300068000 through 0300084826)**	B
	2000298	Ref	**2WD (SN 0300084827 through 0300087000)**	A
	2000258	Ref	**4WD (SN 0300068000 through 0300084826)**	B
	2000297	Ref	**4WD (SN 0300084827 through 0300087000)**	A
101	0100011	AR	Compound, Locking	
102	0641407	1	Bolt 1/4in-20NC x 7/8in	
103	0641812	2	Bolt 1/2in-13NC x 1-1/2in	
105	3020016	1	Oil, Motor 15W-40 (Not Shown)	
106	3311405	1	Locknut 1/4in-20NC	
107	3422532	1	Pin, Hitch	
108		Ref	Piston Pump Assembly with Fittings Options (See PISTON PUMP ASSEMBLY for Breakdown):	
108	3600394	1	Piston Pump Assembly with Fittings 2WD	
108	3600396	1	Piston Pump Assembly with Fittings 4WD	
109	3600395	1	Load Sensing Pump Assembly with Fittings (See GEAR PUMP ASSEMBLY for Breakdown)	
110	3790152	1	O-Ring	
111	3931620	2	Bolt 3/8in-16NC x 1-1/4in	
112	3960389	5 ft/1.5m	Seal	
113	4751400	1	Flatwasher 1/4in Regular	
114	4891600	2	Flatwasher 3/8in Hardened	
115	2300004	2.63 gl /9.96L	Fluid, Anti Freeze	
		Ref	**ENGINE ASSEMBLIES**	
	2000211	Ref	**Engine Assemblies (SN 0300068000 through 0300084826)**	D
	2000296	Ref	**Engine Assemblies (SN 0300084827 through 0300087000)**	B
201	0080201	1	Adapter 90 Elbow	
202	0080214	1	Adapter, Fan Spacer	
203	0100011	AR	Compound, Locking	
204	0100020	AR	Sealant, Pipe	
205	0340041	2	Band, Air Cleaner	
206	0340046	2	Band, Muffler	
207	0641406	2	Bolt 1/4in-20NC x 3/4in	
208	0641408	6	Bolt 1/4in-20NC x 1in	
209	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
210	0641608	14	Bolt 3/8in-16NC x 1in	
211	0641610	10	Bolt 3/8in-16NC x 1-1/4in	
212	0641612	8	Bolt 3/8in-16NC x 1-1/2in	
213	0641828	4	Bolt 1/2in-13NC x 3-1/2in	
214	0641507	4	Bolt 5/16in-18NC x 7/8in	
215	0701012	4	Bolt 10mm x 25mm	
216	0701014	4	Bolt 10mm x 30mm	
217	0760606	4	Bolt 6mm x 12mm	
218	0903079	1	Bracket, Muffler	
219	0961986	2	Bushing, Flanged	
220	1320012	4	Clamp	
221	1320016	3	Clamp	
222	1320022	1	Clamp, Hose	
223	1320033	8	Clamp, Hose	
224	1321138	3	Plate, Exhaust Flange	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
225	1340060	1	Air Cleaner Assembly Filter Element	
225	7012664	1	Element, Filter (Not Shown)	
226	0700819	4	Bolt 8mm x 55mm	
227	4920385	7 ft/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 0300068000 through 0300084826)**	
233	2720435	1	Hose, Radiator (Bottom)	
234	2720436	1	Hose, Radiator (Upper)	
235	2720514	1	Hose, 45 Elbow	
236	2750532	6 in/15cm	Hose, Oil Drain	
237	2820172	1	Insulation, Exhaust (Shield)	
238	2820173	3	Insulation, Exhaust (Elbow)	
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	
250	3740067	1	Relay	
251	3960591	3	Gasket, Exhaust	
252	4360392	1	Indicator, Restriction **(SN 0300068000 through 0300084826)**	
253	4566605	1	Tube, Spacer	
254	4567879	1	Tube, Exhaust	
255		Ref	Tube, Intake Options:	
255	4568951	1	Tube, Intake **(SN 0300068000 through 0300084826)**	
255	4569173	1	Tube, Intake **(SN 0300084827 through 0300087000)**	
256	4569083	1	Tube, Exhaust	
257	3460398	1	Pipe, Exhaust	
258	4640989	1	Valve, Oil Drain	
259	4711400	12	Flatwasher 1/4in Thin	
260	4711600	12	Flatwasher 3/8in Thin	
261	4740274	4	Washer, Snubbing	
262	4751400	14	Flatwasher 1/4in Regular	
263	4751500	8	Flatwasher 5/16in Regular	
264	4751600	51	Flatwasher 3/8in Regular	
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	37 in/1m	Flex-Trim	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
275	3311505	4	Locknut 5/16in-18NC	
276	3960468	1	Seal	
	2000272	Ref	**ENGINE COMPONENTS**	B
301	3600377	1	Fuel Pump and Isolator Assembly (was p/ns 7022133 & 7027407)	
301	7022134	1	Harness, Fuel Pump	
302	91083218	1	Filter, Fuel (was p/n 7022135)	
303	7012679	1	Starter (was p/n 7027408)	
304	7019977	1	Alternator with Regulator and Pulley	
304	7000897	1	Alternator without Regulator and Pulley	
305	7023683	1	Actuator, Throttle	
305	7027404	1	Gasket, Actuator (Not Shown)	
306	7019996	1	Sensor, Air Temperature (was p/n 7023661)	
307	7023681	1	Harness, Engine Control (Not Shown) (was p/n 7027403)	
308	7022139	1	Sensor, MAP	
309	7023682	1	Sensor, EGR	
310	2420187	1	Dipstick (was p/n 7022140)	
310	4564281	1	Tube, Dipstick	
311	7027400	1	Mixer Assembly	
313	7021868	1	Filter, Oil (Was p/ns 7022147, 7022173 & 7014501)	
314	1660250	1	Coupling, Pump	
314	7019976	1	Flywheel Assembly (Not Shown)	
314	7012180	1	Ring Gear (Not Shown)	
315	7019993	1	Pressure Regulator and Filter Assembly	
316	0902539	1	Bracket	
317	1600374	1	Module, EPM	
317	7027413	1	Harness, EPM Jumper	
318	3220134	1	Muffler	
319	0903010	1	Bracket, LP Regulator	
320	7023698	1	Regulator, LP	
321	7019994	1	Sensor, EGR (was p/n 7027406)	
322	70002307	1	Gasket, Exhaust (Manifold to Pipe)	
322	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 with Leads	
327	7023699	1	Megajector	
327	7027410	1	Harness, Megajector	
327	70001690	1	Hose Kit - Megajector	
328	7019925	1	PCV Valve (Not Shown)	
329	7022155	1	Sensor, Water Temperature (Not Shown)	
330	70002567	1	Tensioner, Belt	
331	7022150	1	Belt, Timing (Not Shown)	

FIGURE 2-13. PISTON PUMP ASSEMBLY (SN 0300068000 through 0300075605)



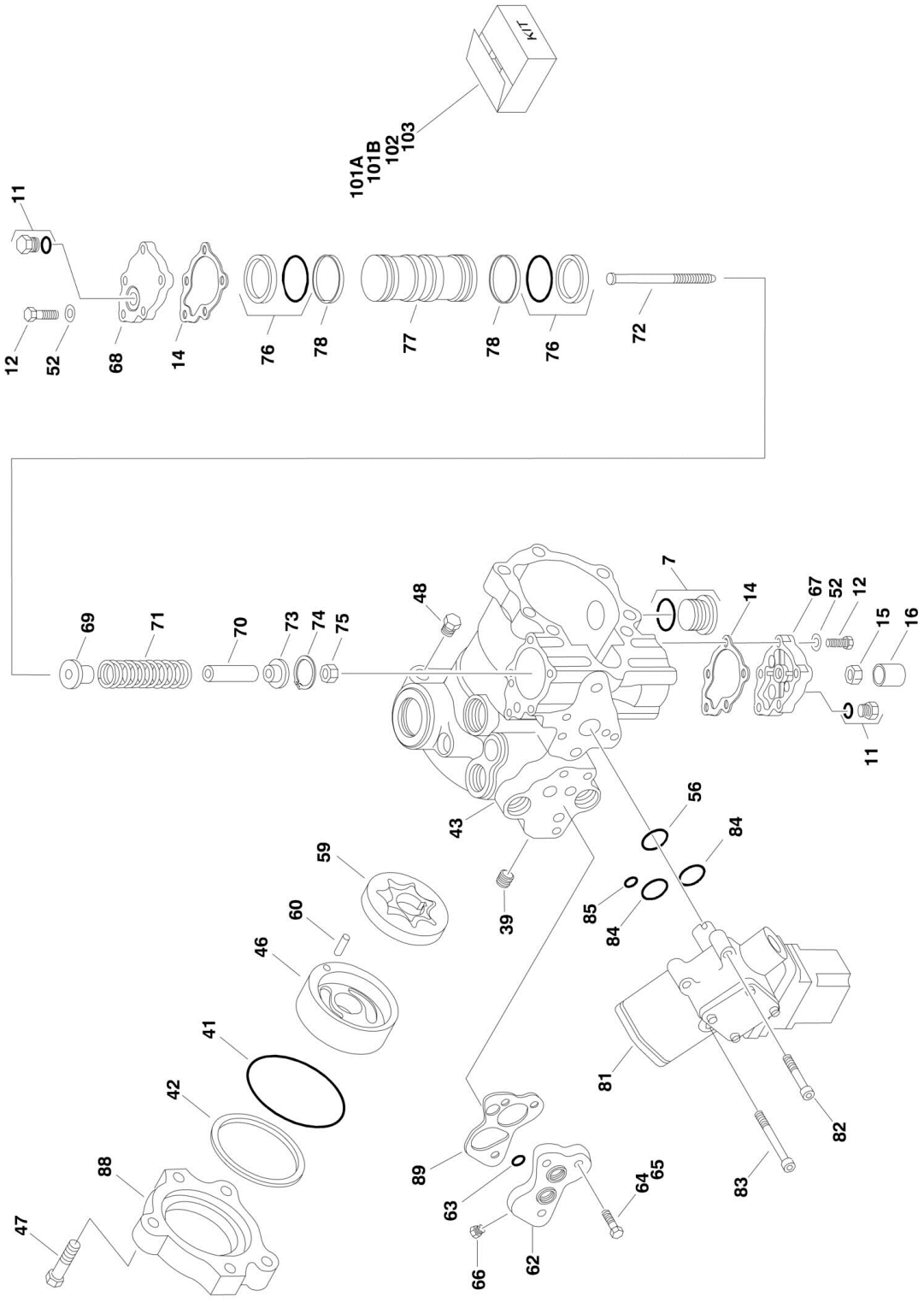

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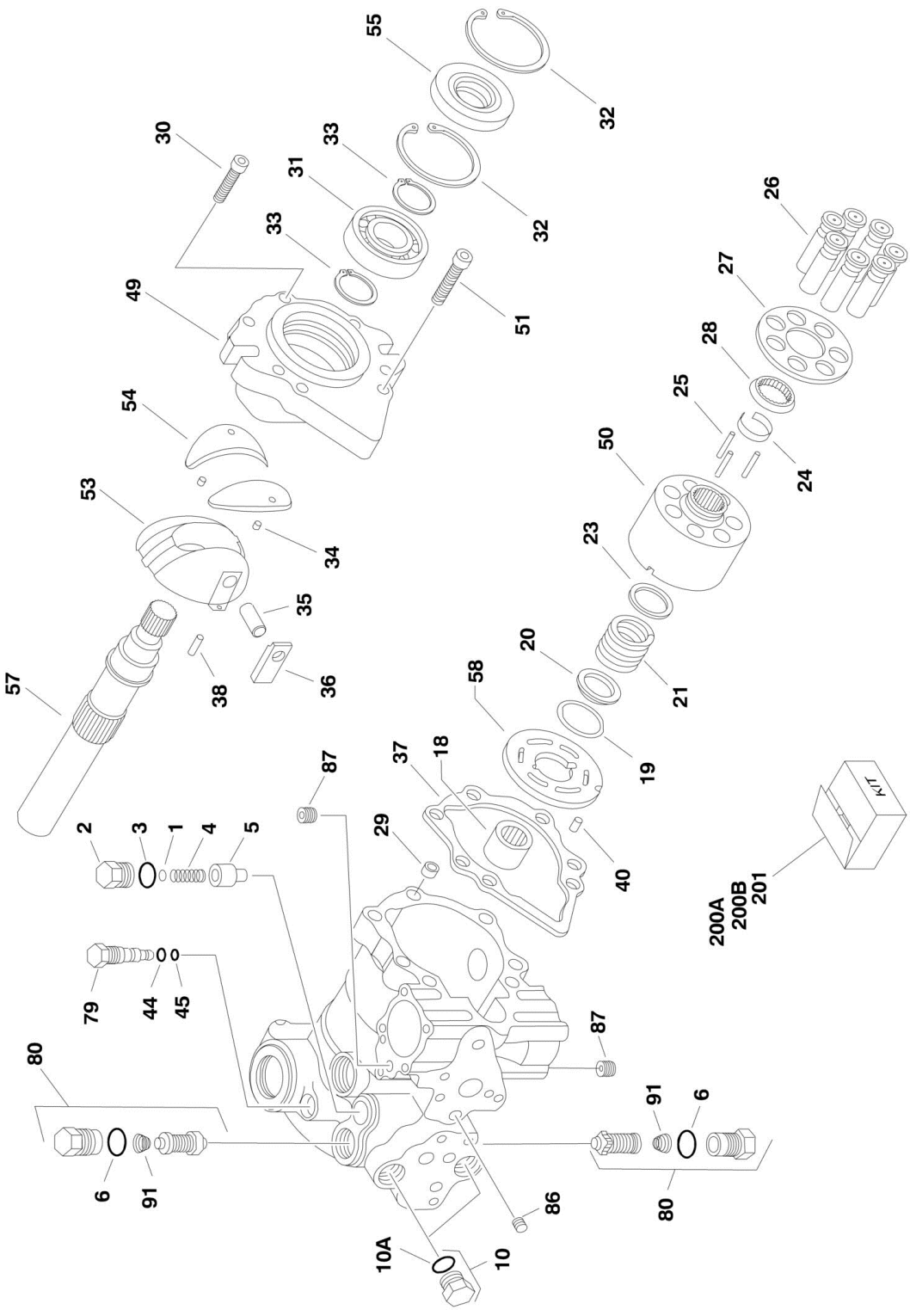
FIGURE 2-13. PISTON PUMP ASSEMBLY (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600260	Ref	**PISTON PUMP ASSEMBLY**	-
1	7007413	1	Shim Kit	
2	7007414	1	Plug	
3	See Note	NSS	O-Ring (Note: Use Item 101A)	
4	7007416	1	Spring, Relief Valve	
5	7007417	1	Valve, Relief	
6	See Note	NSS	O-Ring (Note: Use Item 101A)	
7	7007419	2	Plug	
10	7007420	2	Plug	
11	7007208	2	Plug	
12	7007421	10	Screw	
14	See Note	NSS	Gasket, Servo Cover (Note: Use Item 101A)	
15	7007423	1	Nut, Special	
16	7007424	1	Cover, Adjustment	
18	7007425	1	Bearing, Needle	
19	See Note	NSS	Ring, Retaining (Note: Use Item 103)	
20	See Note	NSS	Washer (Note: Use Item 103)	
21	See Note	NSS	Spring (Note: Use Item 103)	
23	See Note	NSS	Washer (Note: Use Item 103)	
24	See Note	NSS	Retainer (Note: Use Item 103)	
25	See Note	NSS	Pin, Slipper Holddown (Note: Use Item 103)	
26	See Note	NSS	Piston Assembly (Note: Use Item 103)	
27	See Note	NSS	Retainer, Slipper (Note: Use Item 103)	
28	See Note	NSS	Guide, Retainer (Note: Use Item 103)	
29	7007435	1	Pin, Spring	
30	7007436	1	Screw, 12 Point Head	
31	7007437	1	Bearing, Ball	
32	7007438	2	Ring, Retainer	
33	7007439	2	Ring	
34	7007440	2	Pin, Spring	
35	7007441	1	Handle, Pin	
36	7007442	1	Sleeve, Bearing	
37	See Note	NSS	Gasket, Front Cover (Note: Use Item 101A)	
38	7007444	1	Pin	
39	7007445	1	Plug, Expansion	
40	See Note	NSS	Pin (Note: Use Item 103)	
41	See Note	NSS	O-Ring (Note: Use Item 101A or 102)	
42	See Note	NSS	Ring, Load Temper (Note: Use Item 101A or 102)	
43	7007449	1	Housing, Pump	
44	See Note	NSS	Ring, Back-up (Note: Use Item 101A)	
45	See Note	NSS	O-Ring (Note: Use Item 101A)	
46	See Note	NSS	Cover, Gerotor (Note: Use Item 102)	
47	7007453	3	Bolt, Hex	
48	7007208	1	Plug	
49	7007454	1	Cover, Front	
50	See Note	NSS	Block, Cylinder (Note: Use Item 103)	
51	7007456	6	Screw	
52	7001438	10	Washer	
53	See Note	NSS	Swash Plate (Note: Use Item 103)	
54	7007458	1	Journal, Bearing	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
55	7007459	1	Seal, Lip	
56	See Note	NSS	O-Ring (Note: Use Item 101A)	
57	7010121	1	Shaft, Main Pump	
58	7021214	1	Plate, Valve (Note: Use Item 103)	
59	7007463	1	Gerotor Assembly	
60	See Note	NSS	Pin (Note: Use Item 102)	
61	See Note	NSS	Key, Woodruff (Note: Use Item 102)	
62	7007466	1	Adaptor, Remote Filtration (Without By-Pass)	
63	See Note	NSS	O-Ring (Note: Use Item 101A)	
64	7007468	2	Screw	
65	7007469	2	Screw	
66	7007470	1	Plug	
67	7007471	1	Cover, Servo (With Adjuster)	
67	7007490	2	Stop, Servo (Not Shown)	
67	7007491	2	Nut, Special (Not Shown)	
67	7007492	2	Ring, External (Not Shown)	
68	7007482	1	Cover, Servo (Without Adjuster)	
69	7007483	1	Guide, Spring	
70	7007484	1	Stop, Servo	
71	7007485	1	Spring	
72	7007486	1	Screw	
73	7007487	1	Guide, Spring	
74	7007488	1	Ring, Retaining	
75	7007499	1	Locknut	
76	See Note	NSS	Ring, Piston (Note: Use Item 101A or 101B)	
77	7007494	1	Piston, Servo	
78	See Note	NSS	O-Ring (Note: Use Item 101A or 101B)	
79	7007472	1	Valve, Bypass	
80	7010122	2	Valve, Pressure Relief (Includes Item 6) (was p/n 7007473)	
81	7007474	1	Control, Dual Oil-Filled	
81	7007496	1	Coil Assembly (Pilot)	
81	7007497	1	Plug (Pump)	
81	7007498	1	Plug (Valve Harness)	
82	7007478	2	Screw	
83	7001498	2	Screw	
84	See Note	NSS	O-Ring (Note: Use Item 101A)	
85	See Note	NSS	O-Ring (Note: Use Item 101A)	
86	7007475	1	Plug, Orifice/Screen (.156)	
87	7007477	2	Plug, Orifice (.37)	
88	7007476	1	Adapter, Auxiliary Pump	
89	7010120	1	Spacer/Gasket	
101		Ref	Seal Kit Options:	
101A	2900752	1	Seal Kit - Complete (Includes Items 3, 6, 14, 37, 41, 42, 44, 45, 56, 63, 76, 78, 84 & 85)	
101B	7007412	1	Seal Kit - Servo Piston (Includes Items 76 & 78)	
102	2900826	1	Charge Pump Kit (Includes Items 41, 42, 46, 59, 60 & 61)	
103	2900827	1	Cylinder Block Kit (Includes Items 19-28, 40, 50, 53 & 58)	

FIGURE 2-14. PISTON PUMP ASSEMBLY (SN 0300075606 through 0300087000)



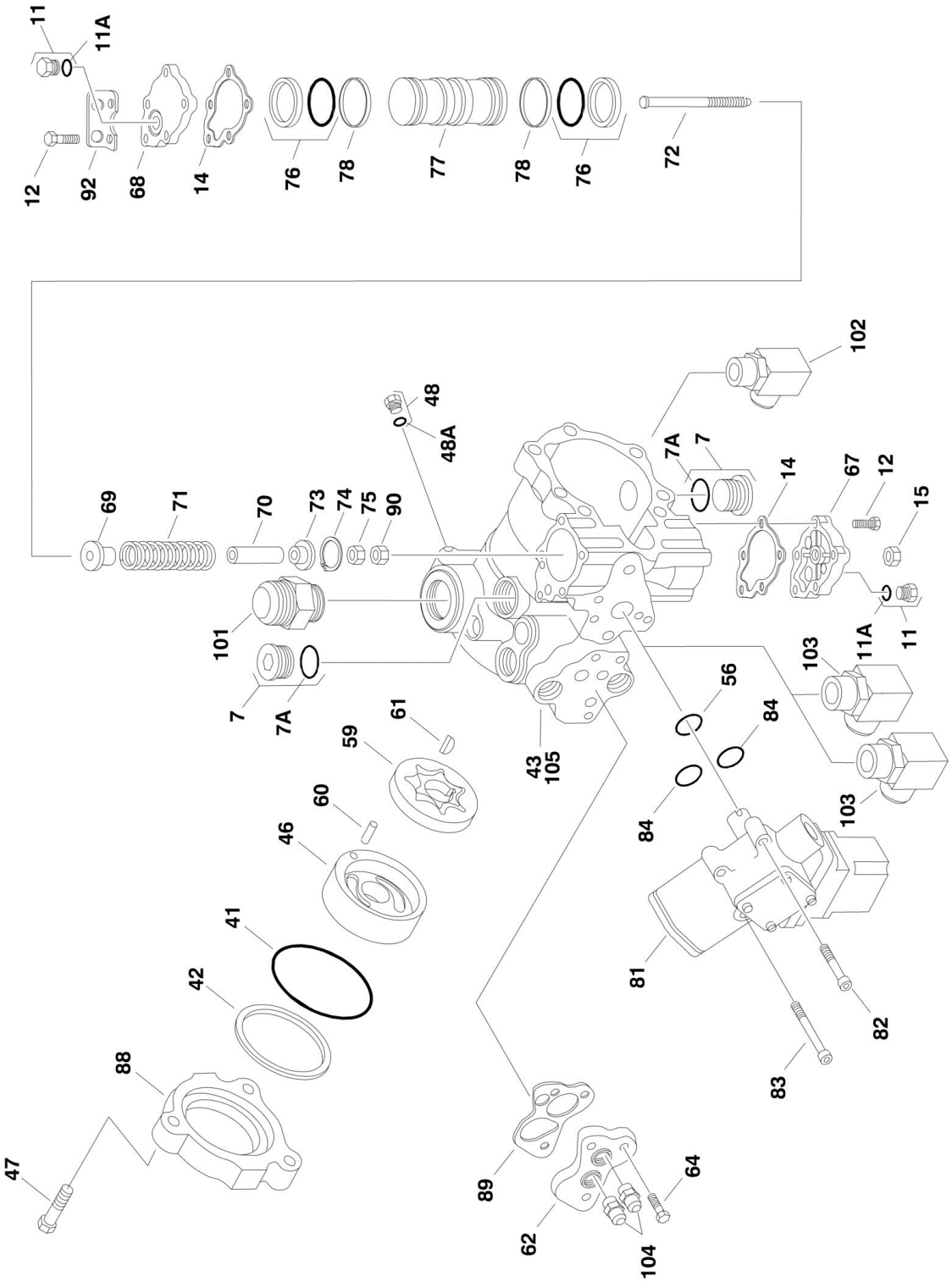

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FIGURE 2-14. PISTON PUMP ASSEMBLY (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**PISTON PUMP ASSEMBLY**	
	3600388	Ref	**Piston Pump Assembly 2WD**	A
	3600381	Ref	**Piston Pump Assembly 4WD**	A
1	7007413	1	Shim Kit	
2	7024874	1	Plug (Pump Assembly p/n 3600388) 2WD	
2	7007414	1	Plug (Pump Assembly p/n 3600381) 4WD	
3	See Note	NSS	O-Ring (Note: Use Item 200A)	
4	7021200	1	Spring, Relief Valve	
5	7007417	1	Valve, Relief	
6	See Note	NSS	O-Ring (Note: Use Item 200A)	
7	7007419	2	Plug	
7A	7007418	2	O-Ring	
10	7007470	2	Plug	
10A	7021256	2	O-Ring	
11	7007470	2	Plug	
11A	7021256	2	O-Ring	
12	7021223	10	Screw	
14	See Note	NSS	Gasket, Servo Cover (Note: Use Item 200A)	
15	7007423	1	Nut, Special	
18	7007425	1	Bearing, Needle	
19	See Note	NSS	Ring, Retaining (Note: Use Item 201)	
20	See Note	NSS	Washer (Note: Use Item 201)	
21	See Note	NSS	Spring (Note: Use Item 201)	
23	See Note	NSS	Washer (Note: Use Item 201)	
24	See Note	NSS	Retainer (Note: Use Item 201)	
25	See Note	NSS	Pin, Slipper Holddown (Note: Use Item 201)	
26	See Note	NSS	Piston Assembly (Note: Use Item 201)	
27	See Note	NSS	Retainer, Slipper (Note: Use Item 201)	
28	See Note	NSS	Guide, Retainer (Note: Use Item 201)	
29	7007435	1	Pin, Spring	
30	7021202	1	Screw	
31	7007437	1	Bearing, Ball	
32	7007438	2	Ring, Retainer	
33	7007439	2	Ring	
34	7021203	2	Pin, Spring	
35	7007441	1	Handle, Pin	
36	7007442	1	Sleeve, Bearing	
37	See Note	NSS	Gasket, Front Cover (Note: Use Item 200A)	
38	7007444	1	Pin	
40	7007446	1	Pin	
41	See Note	NSS	O-Ring (Note: Use Item 200A)	
42	See Note	NSS	Ring, Load Temper (Note: Use Item 200A)	
43	7023977	1	Housing, Pump	
44	See Note	NSS	Ring, Back-up (Note: Use Item 200A)	
45	See Note	NSS	O-Ring (Note: Use Item 200A)	
46	7007452	1	Cover, Gerotor	
47	7007453	3	Bolt, Hex	
48	7007208	1	Plug	
48A	7007207	1	O-Ring	
49	7024875	1	Cover, Front (Pump Assembly p/n 3600388) 2WD	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	7007454	1	Cover, Front (Pump Assembly p/n 3600381) 4WD	
50	7010116	1	Block, Cylinder (Note: Use Item 201)	
51	7021207	6	Screw	
53	7007457	1	Swash Plate	
54	7021210	1	Journal, Bearing (Pump Assembly p/n 3600388) 2WD	
54	7021212	1	Journal, Bearing (Pump Assembly p/n 3600381) 4WD	
55	See Note	NSS	Seal, Lip (Note: Use Item 200A)	
56	See Note	NSS	O-Ring (Note: Use Item 200A)	
57	7010121	1	Shaft, Main Pump	
58	7021214	1	Plate, Valve	
59	7007463	1	Gerotor Assembly	
60	7007464	1	Pin	
61	7007465	1	Key, Woodruff	
62	7007466	1	Adaptor, Remote Filtration (Without By-Pass)	
64	7021218	3	Screw	
67	7021220	1	Cover, Servo (Without Adjuster)	
68	7021219	1	Cover, Servo (Without Adjuster)	
69	7023979	1	Guide, Spring	
70	7007484	1	Stop, Servo	
71	7007485	1	Spring	
72	7021221	1	Screw	
73	7007487	1	Guide, Spring	
74	7007488	1	Ring, Retaining	
75	7021222	1	Locknut	
76	See Note	NSS	Ring, Piston (Note: Use Item 200A or 200B)	
77	7007494	1	Piston, Servo	
78	See Note	NSS	O-Ring (Note: Use Item 200A or 200B)	
79	7024877	1	Valve, Bypass (Pump Assembly p/n 3600388) 2WD	
79	7007472	1	Valve, Bypass (Pump Assembly p/n 3600381) 4WD	
80	7010122	2	Valve, Pressure Relief (Includes Item 6) (Pump Assembly p/n 3600388) 2WD	
80	7024851	2	Valve, Pressure Relief (Includes Item 6) (Pump Assembly p/n 3600381) 4WD	
81	7007474	1	Control, Dual Oil-Filled	
81	7007496	1	Coil Assembly (Pilot)	
81	7007497	1	Plug (Pump)	
81	7007498	1	Plug (Valve Harness)	
82	7001498	2	Screw	
83	7007478	2	Screw	
84	7001433	2	O-Ring (Note: Use Item 200A)	
86	7007475	1	Plug, Orifice/Screen (.156)	
87	7007477	2	Plug, Orifice (.37)	
88	7007476	1	Adapter, Auxiliary Pump	
89	7021217	1	Spacer/Gasket (Note: Use item 200A)	
90	7021206	1	Nut	
91	7024800	2	Spring	
92	7021201	1	Bracket, Lifting	
		Ref	**PISTON PUMP AND FITTING ASSEMBLIES**	
	3600394	Ref	**Piston Pump and Fitting Assemblies 2WD**	B
	3600396	Ref	**Piston Pump and Fitting Assemblies 4WD**	A
101	2220479	1	Fitting, Straight	
102	2220578	1	Fitting, 90	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
103	2220646	2	Fitting, 90	
104	2220947	2	Fitting, Straight	
105		Ref	Pump Options (Includes Items 1-92)	
105	3600388	1	Pump 2WD	
105	3600381	1	Pump 4WD	
		Ref	**KIT OPTIONS:**	
200		Ref	Seal Kit Options:	
200A	7021232	1	Seal Kit - Complete (Includes Items 3, 6, 14, 37, 41, 42, 44, 45, 55, 56, 76, 78, 84 & 89)	
200B	7007412	1	Seal Kit - Servo Piston (Includes Items 76 & 78)	
201	7010116	1	Cylinder Block Kit (Includes Items 19-28 & 50)	

FIGURE 2-15. GEAR PUMP ASSEMBLY

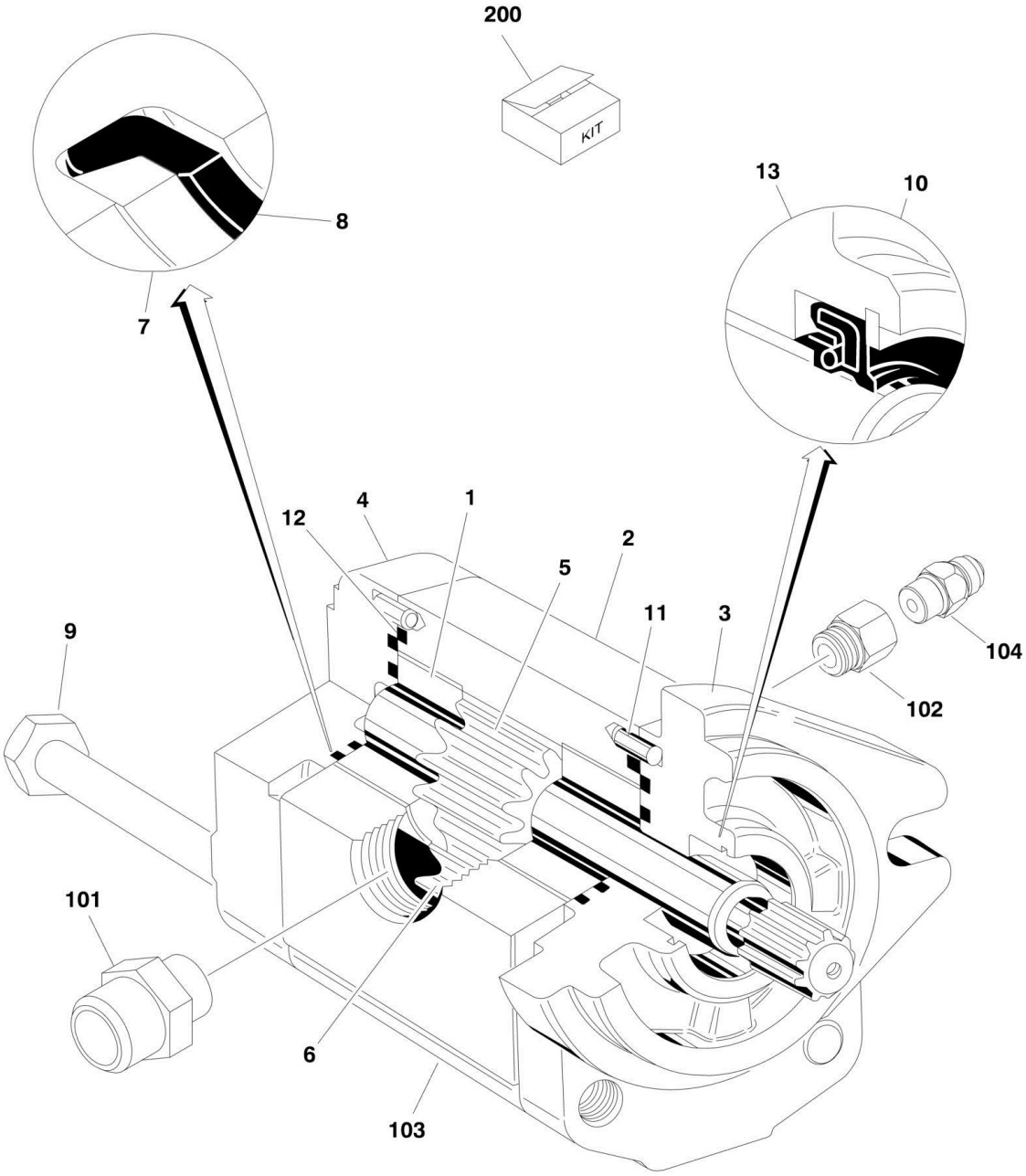


FIGURE 2-15. GEAR PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600242	Ref	**GEAR PUMP ASSEMBLY**	
1	7010105	2	Bearing/Bushing	
2	See Note	NLA	Housing (Note: Not Available - Purchase p/n 3600242 Complete Replacement)	
3	See Note	NLA	Flange (Note: Not Available - Purchase p/n 3600242 Complete Replacement)	
4	7010103	1	Cover	
5	7012987	1	Gear, Drive	
6	7012988	1	Gear, Idler	
7	See Note	NSS	Ring, Anti-Extrusion (Note: Use Item 200)	
8	See Note	NSS	Seal (Note: Use Item 200)	
9	See Note	4	Bolt (Note: Not Available for Purchase)	
10	7010104	1	Ring, Retaining	
11	See Note	4	Pin, Dowel (Note: Not Available for Purchase)	
12	See Note	NSS	Seal, O-Ring (Note: Use Item 200)	
13	See Note	NSS	Seal, Shaft (Note: Use Item 200)	
	3600395	Ref	**GEAR PUMP AND FITTING ASSEMBLY**	A
101	2220376	1	Fitting, Straight	
102	2220810	1	Fitting, Reducer	
103	3600242	1	Pump (Includes Items 1-13)	
104	4640744	1	Fitting, Check Valve	
		Ref	**KIT OPTIONS**	
200	7007489	1	Seal Kit (Includes Items 7, 8, 12 & 13)	

FIGURE 2-16. TANK INSTALLATIONS

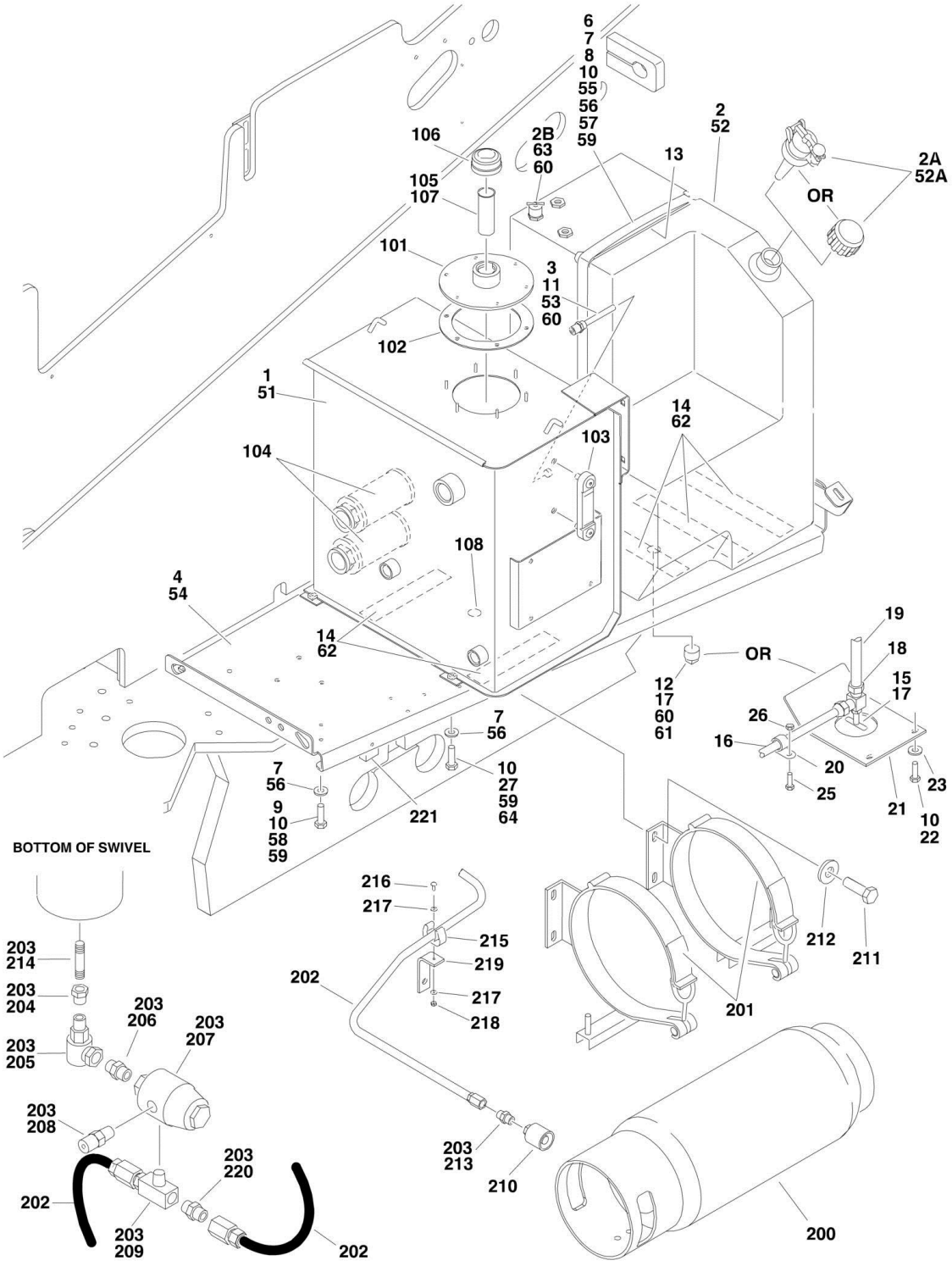


FIGURE 2-16. TANK INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**TANKS INSTALLATIONS - NON U/L MACHINES**	
	0254849	Ref	**Diesel Machines**	9
	0271250	Ref	**Gas/Dual Fuel Machines**	3
1	4400449	1	Hydraulic Tank Assembly (See Items 101-108 for Breakdown)	
2	4400400	1	Tank, Fuel	
2A		Ref	Cap Options:	
2A	7016314	1	Standard Black Cap	
2A	1120484	1	Optional Red Cap (Gas/Dual Fuel Machines) (Not Included with Tank)	
2A	1120487	1	Optional Blue Cap (Diesel Machines) (Not Included with Tank)	
2B	7019658	1	Tube, Fuel Pick-up (With Fitting)	
3	4360436	1	Switch, Fuel Level	
4	4845393	1	Hydraulic Tray Weldment	
6	4240113	1	Strap, Tank	
7	4751600	12	Flatwasher 3/8in Regular	
8	3311601	AR	Nut 3/8in-16NC	
9	0641614	6	Bolt 3/8in-16NC x 1-3/4in	
10	0100011	AR	Compound, Locking	
11	0100079	AR	Sealant, Pipe	
12	2200233	1	Fitting	
13	4280295	25 in /44cm	Strip, Protective	
14	4420038	70 in /1.78m	Tape, Rubber	
		Ref	**Note: Items 15-24 Used on Gas Machines Only**	
15	4641022	1	Valve, Needle	
16	4568116	1	Tube, Fuel	
17	0100020	AR	Sealant	
18	0100062	AR	Retaining Compound #680	
19	4568119	1	Tube, Fuel	
20	1320245	1	Clamp	
21	3572423	1	Plate, Valve, Needle	
22	0641508	2	Bolt 5/16in-18NC x 1in	
23	4711500	4	Flatwasher 5/16in Thin	
24	3311505	2	Locknut 5/16in-18NC	
25	0641412	1	Bolt 1/4in-20NC x 1-1/2in	
26	3311405	1	Locknut 1/4in-20NC x 1-1/2in	
27	0641608	4	Bolt 3/8in-16NC x 1in	
		Ref	**TANKS INSTALLATION - U/L MACHINES**	
	0257705	Ref	**Gas/Diesel**	3
	0258607	Ref	**LP Gas Only**	2
51	4400449	1	Hydraulic Tank Assembly (See Items 101-108 for Breakdown)	D
52	4400407	1	Tank, Fuel (Not Required on LP Gas Only Machines)	
52A	7016314	1	Cap, Black Fuel (Not Required on LP Gas Only Machines)	
53	4360436	1	Switch, Fuel Level (Not Required on LP Gas Only Machines)	
54	4845393	1	Tray, Hydraulic	
56	4751600	AR	Flatwasher 3/8in Regular	
57	3311601	AR	Nut 3/8in-16NC	
58	0641614	6	Bolt 3/8in-16NC x 1-3/4in	
59	0100011	AR	Compound, Locking	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
60	0100020	AR	Sealant, Pipe	
61	2200222	1	Plug, Pipe (Not Required on LP Gas Only Machines)	
62	4420038	AR	Molding	
63	4641022	1	Valve, Needle (Not Required on LP Gas Only Machines)	
64	0641608	4	Bolt 3/8in-16NC x 1in	
	4400449	Ref	**HYDRAULIC TANK ASSEMBLY**	A
101	7024439	1	Cover	
102	7024440	1	Gasket	
103	7024441	1	Gauge, Sight	
104	7024442	2	Strainer	
105	7024443	1	Filler Neck	
106	7024444	1	Cap, Vented	
107	7024445	1	Strainer	
108	7024446	1	Plug, Magnetic	
	0255524	Ref	**LP TANK BRACKETS INSTALLATION**	7
200		Ref	Tank, LP - 43.5 Lbs Options:	
200	4400275	1	Tank, LP - 43.5 Lbs (Aluminum)	
200	4400420	1	Tank, LP - 43.5 Lbs (Steel)	
201	1320220	2	Clamp	
201	1320127	2	Clamp, Toggle (1 Per Clamp)	
202	2720144	2	Hose	
203	0100020	AR	Sealant, Pipe	
204	2221019	1	Fitting, Reducer	
205	2180125	1	Fitting, 90 Swivel	
206	2220261	1	Fitting, Nipple	
207	2180388	1	Fitting, Bulkhead	
208	2180389	1	Valve, Relief	
209	2220418	1	Fitting, Tee	
210	2180387	2	Fitting, Straight	
211	0641606	8	Bolt 3/8in-16NC x 3/4in	
212	4751600	8	Flatwasher 3/8in Regular	
213	2180418	2	Fitting, Connector	
214	2221018	1	Fitting, Nipple	
215	1320218	2	Clamp, Spring	
216	3910808	2	Screw, Round Head #8-32NC x 1/2in	
217	4750800	4	Flatwasher #8 Regular	
218	3310805	2	Locknut #8-32NC	
219	0181949	2	Angle, Support	
220	2221024	2	Fitting, Union Ball Check	
221	0362519	4	Bar	

FIGURE 2-17. ROTARY COUPLING INSTALLATION (SN 0300068000 through 0300075605)

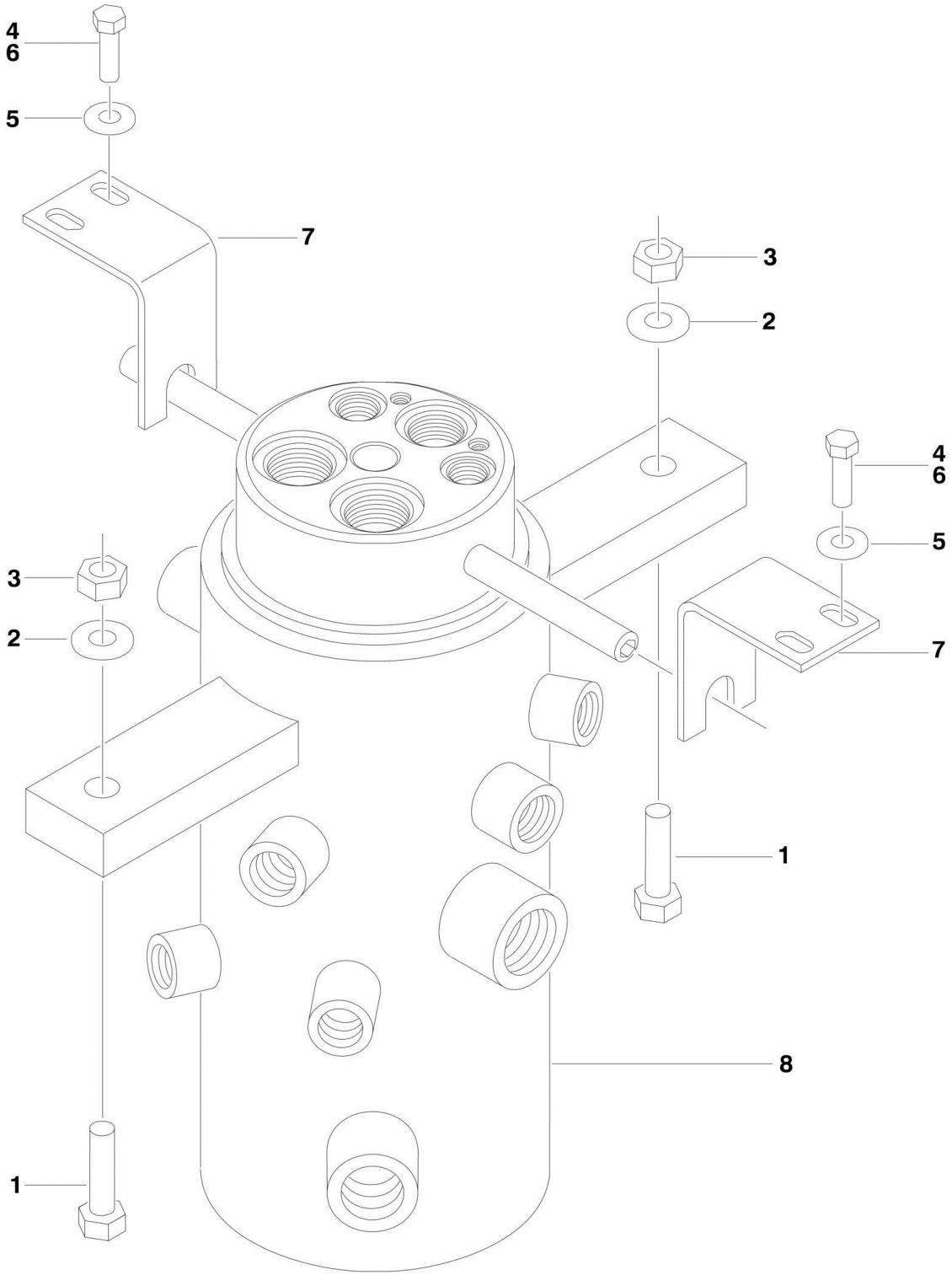


FIGURE 2-17. ROTARY COUPLING INSTALLATION (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ROTARY COUPLING INSTALLATIONS**	
	0255262	Ref	**Rotary Coupling Installations 2WS**	5
	0255294	Ref	**Rotary Coupling Installations 4WS**	2
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	0902520	2	Bracket	
8		Ref	Coupling, Rotary Options:	
8	1660219	1	Coupling, Rotary 2WS	
8	1660223	1	Coupling, Rotary 4WS	
8		Ref	Seal Kit Options:	
8	7013187	1	Seal Kit 2WS	
8	7016342	1	Seal Kit 4WS	
8		Ref	Rebuilt Couplings Options:	
8	1660219RR	1	Rebuilt Couplings 2WS	
8	1660223RR	1	Rebuilt Couplings 4WS	

FIGURE 2-18. ROTARY COUPLING INSTALLATION (SN 0300075606 through 0300087000)

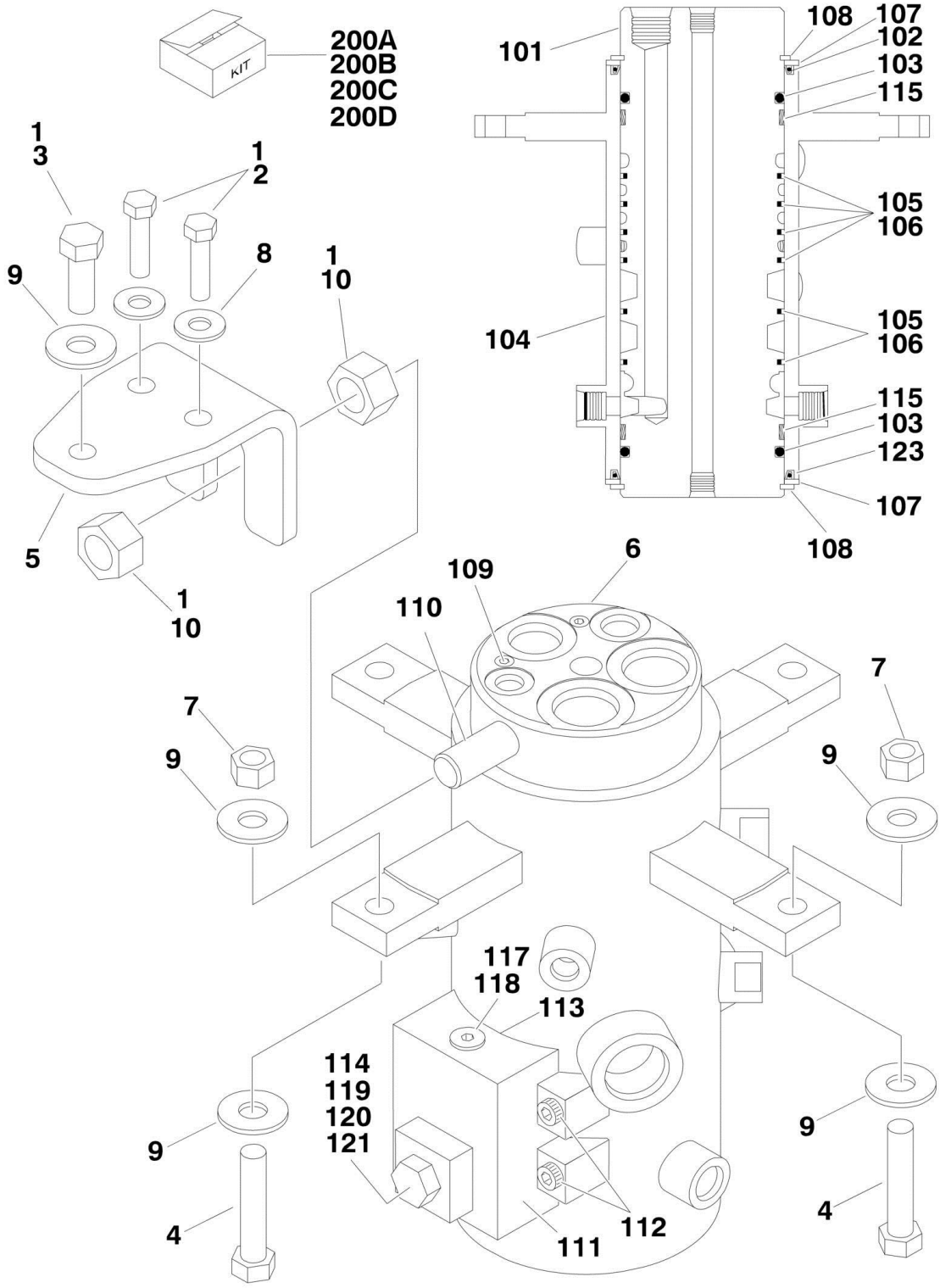


FIGURE 2-18. ROTARY COUPLING INSTALLATION (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ROTARY COUPLING INSTALLATIONS**	
	0273052	Ref	**Rotary Coupling Installations 2WS**	D
	0273161	Ref	**Rotary Coupling Installations 4WS**	D
1	0100011	AR	Compound, Locking	
2	0641612	2	Bolt 3/8in-16NC x 1-1/2in	
3	0641811	1	Bolt 1/2in-13NC x 1-3/8in	
4	0641820	2	Bolt 1/2in-13NC x 2-1/2in	
5	0903056	1	Bracket	
6		Ref	Coupling, Rotary Options (See Items 101-121 for Breakdown):	
6	1660257	NLA	Coupling, Rotary 2WS (Use p/n 1660303)	
6	1660258	NLA	Coupling, Rotary 2WS (Use p/n 1660304)	
7	3271805	2	Locknut 1/2in-13NC	
8	4751600	2	Flatwasher 3/8in Regular	
9	4751800	5	Flatwasher 1/2in Regular	
10	3322201	2	Nut 3/4in-16NC	
		Ref	**ROTARY COUPLING ASSEMBLIES**	
	1660257	Ref	**Rotary Coupling Assemblies 2WS (Original Equipment)**	
	1660303	Ref	**Rotary Coupling Assemblies 2WS (Service Replacement)**	
	1660258	Ref	**Rotary Coupling Assemblies 4WS (Original Equipment)**	
	1660304	Ref	**Rotary Coupling Assemblies 4WS (Service Replacement) Note: Original Equipment may have been replaced with Service Replacement part. Identify p/n stamped on rotary coupling before ordering parts.**	
101	See Note	NSS	Body (Note: Not Available - Purchase Complete Rotary Coupling Assembly)	
102		Ref	Seal, Oil Options:	
102	7026189	2	Seal, Oil 2WS (p/n 1660257)	
102	70001248	2	Seal, Oil 2WS (p/n 1660303)	
102	7026512	2	Seal, Oil 4WS	
103	See Note	NSS	O-Ring (Note: Use Item 200A or 200B)	
104	See Note	NSS	Housing (Note: Not Available - Purchase Complete Rotary Coupling Assembly)	
105		Ref	Seal, Cap	
105	See Note	NSS	Seal, Cap 2WS (Note: Use Item 200A or 200B)	
105	See Note	NSS	Seal, Cap 4WS (Note: Use Item 200C or 200D)	
106		Ref	O-RING	
106	See Note	NSS	O-Ring 2WS (Note: Use Item 200A or 200B)	
106	See Note	NSS	O-Ring 4WS (Note: Use Item 200C or 200D)	
107		Ref	Ring Options:	
107	7026503	2	Ring 2WS	
107	7026511	2	Ring 4WS	
108		Ref	Ring, Retaining Options:	
108	7026504	AR	Ring, Retaining 2WS	
108		Ref	Ring, Retaining (1660257 Coupling)	
108		Ref	Ring, Retaining (1660303 Coupling)	
108	7013189	AR	Ring, Retaining 4WS	
108		Ref	Ring, Retaining (1660258 Coupling)	
108		Ref	Ring, Retaining (1660304 Coupling)	
109		Ref	Plug, Pipe Options	
109		Ref	Plug, Pipe 2WS	
109	See Note	NSS	Plug, Pipe (1660257 Coupling) (Note: Not Available -	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			Purchase Locally)	
109	8093461	2	Plug, Pipe (1660303 Coupling)	
109		Ref	Plug, Pipe 4WS	
109	See Note	NSS	Plug, Pipe (1660258 Coupling) (Note: Not Available - Purchase Locally)	
109	8093461	4	Plug, Pipe (1660304 Coupling)	
110	See Note	NSS	Lug, Torque (Note: Not Available for Purchase)	
111	7024404	1	Block, Valve	
112	7026197	4	Bolt 5/16in-18NC x 1-1/4in	
113	See Note	NSS	O-Ring (Note: Use Item 200A, 200B, 200C or 200D)	
114	See Note	NSS	O-Ring (Note: Use Item 200A, 200B, 200C or 200D)	
115	See Note	NSS	Bearing (Note: Use Item 200A, 200B, 200C or 200D)	
117	7026505	1	Plug	
118	7026506	1	Valve, Check	
119	7026507	1	Plug	
120		Ref	Valve Block, Plunger Options:	
120	7026508	1	Valve Block, Plunger (1660257 & 1660258 Couplings)	
120	7024404	1	Valve Block, Plunger (1660303 & 1660304 Couplings)	
121	7026509	1	Spring, Compression	
122	See Note	NSS	Protective Netting (Not Shown) (1660303 & 1660304 Couplings) (Note: Not Available for Purchase)	
123		Ref	Seal Options:	
123	7026189	1	Seal (1660257 Coupling)	
123	70001248	1	Seal (1660303 Coupling)	
123	See Note	NSS	Seal (1660258 & 1660304 Couplings) (Note: Use Item 200C or 200D)	
200		Ref	Seal Kit Options:	
200A	7026510	1	Seal Kit (1660257 Coupling) (Includes Items 103, 105, 106 & 113-115. Items 102 & 123 must be purchased separately)	
200B	70001248	1	Seal Kit (1660303 Coupling) (Includes Items 102, 103, 105, 106, 113-115 & 123)	
200C	7026512	1	Seal Kit (1660258 Coupling) (Includes Items 102, 103, 105, 106, 113-115 & 123)	
200D	70001249	1	Seal Kit (1660304 Coupling) (Includes Items 102, 103, 105, 106, 113-115 & 123)	

FIGURE 2-19. GROUND CONTROL BOX ASSEMBLY

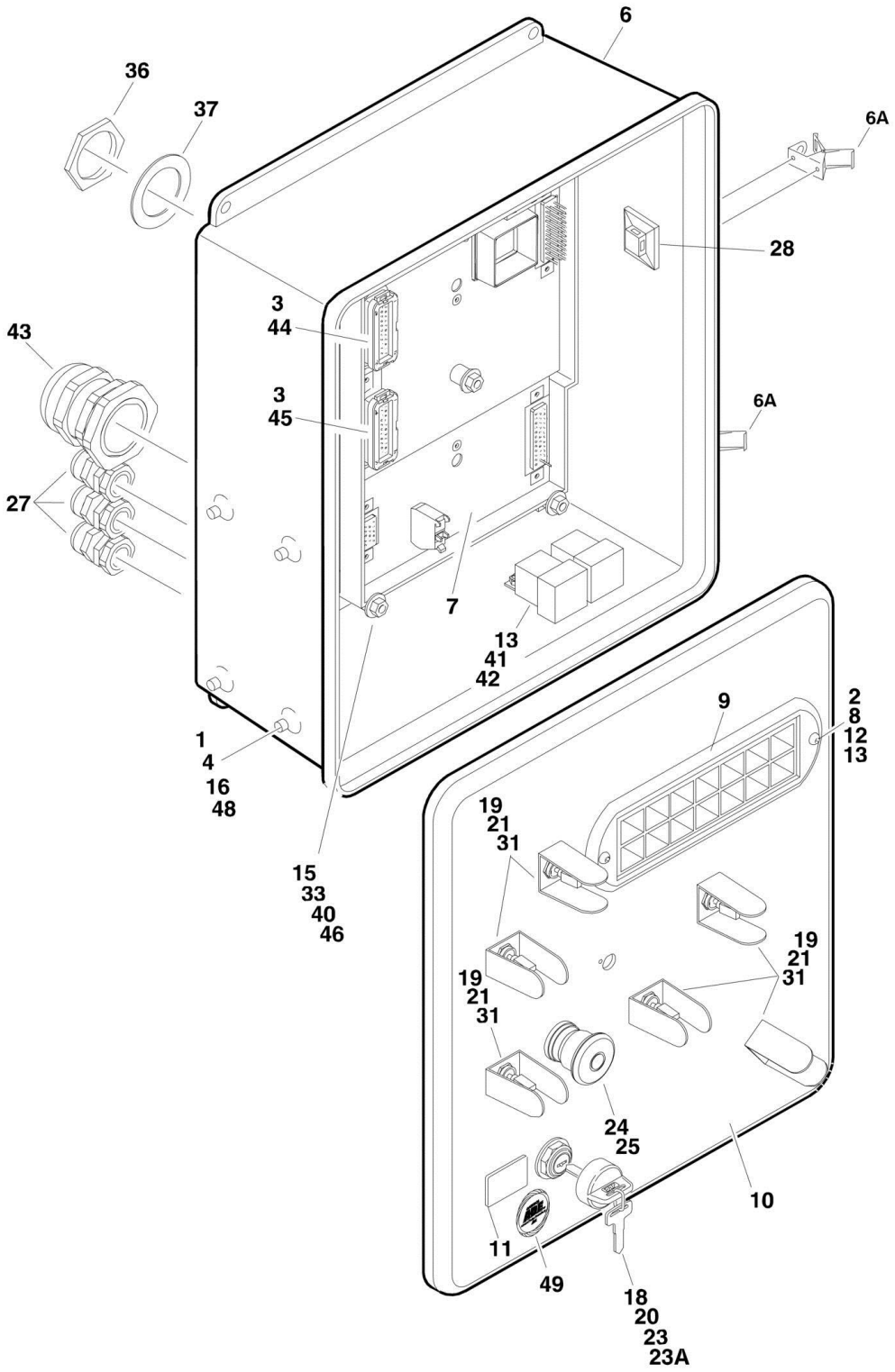


FIGURE 2-19. GROUND CONTROL BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**GROUND CONTROL BOX ASSEMBLIES**	
	0861619	Ref	**Ground Control Box Assemblies (600S) with Caterpillar Engine (SN 0300068000 through 0300084826)**	C
	0861696	Ref	**Ground Control Box Assemblies (600S) with Caterpillar Engine (SN 0300084827 through 0300087000)**	A
	0861620	Ref	**Ground Control Box Assemblies (600SJ & 660SJ) with Caterpillar Engine (SN 0300068000 through 0300084826)**	C
	0861697	Ref	**Ground Control Box Assemblies (600SJ & 660SJ) with Caterpillar Engine (SN 0300084827 through 0300087000)**	A
	0861480	Ref	**Ground Control Box Assemblies (600S) with Deutz Engine (SN 0300068000 through 0300084826)**	F
	0861685	Ref	**Ground Control Box Assemblies (600S) with Deutz Engine (SN 0300084827 through 0300087000)**	A
	0861481	Ref	**Ground Control Box Assemblies (600SJ & 660SJ) with Deutz Engine (SN 0300068000 through 0300084826)**	F
	0861686	Ref	**Ground Control Box Assemblies (600SJ & 660SJ) with Deutz Engine (SN 0300084827 through 0300087000)**	A
	0861478	Ref	**Ground Control Box Assemblies (600S) with Ford Engine (SN 0300068000 through 0300084826)**	F
	0861694	Ref	**Ground Control Box Assemblies (600S) with Ford Engine (SN 0300084827 through 0300087000)**	A
	0861479	Ref	**Ground Control Box Assemblies (600SJ & 660SJ) with Ford Engine (SN 0300068000 through 0300084826)**	E
	0861685	Ref	**Ground Control Box Assemblies (600SJ & 660SJ) with Ford Engine (SN 0300084827 through 0300087000)**	A
1	0100011	AR	Compound, Locking	
2	0630518	2	Capscrew, Button Head	
3	0100048	AR	Grease, Dielectric	
4	0641506	4	Bolt 5/16in-18NC x 3/4in	
6	0861389	1	Box, Fiberglass	
6A	7020246	2	Latch	
7		Ref	Module Options:	
		Ref	Note: Re-calibration Required when Replaced.	
7	1600327	NLA	Module Caterpillar and Deutz Engine (Use p/n 2915014) **(SN 0300068000 through 0300077489)**	
7	1600364	1	Module Caterpillar and Ford Engine **(SN 0300077490 through 0300087000)**	
7	1600364	1	Module Deutz Engine **(SN 0300077490 through 0300084826)**	
7	2915014	1	Update Kit (Includes Module, Cables, Programming Instructions and CD Software) (Use with 1600327 & 1600364)	
7	1600411	1	Module Deutz Engine **(SN 0300084827 through 0300087000)**	
8	1670829	1	Bezel	
9		Ref	Decal - Ground Control Display Options:	
9	1702610	1	Decal - Ground Control Display **(SN 0300068000 through 0300084826)**	
9	1705753	1	Decal - Ground Control Display **(SN 0300084827 through 0300087000)**	
10		Ref	Decal - Faceplate Options:	
10	1703465	1	Decal - Faceplate 600S	
10	1703466	1	Decal - Faceplate (600SJ/660SJ)	
11	2420172	1	Gauge, Hourmeter	
12	2760105	1	Housing, Display Light	
13	3300408	AR	Locknut, Plastic Insert	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
15	3311401	10	Nut 1/4in-20NC	
16	3539219	1	Plate, Reinforcement	
18	3910804	6	Screw #8-32NC x 1/4in	
19	4060906	6	Shield, Toggle Switch	
20	4070987	1	Shim (.015in)	
21	4360328	6	Switch, Toggle	
23	4360469	1	Switch, Key	
23A	2860030	1	Key Replacement	
24	4360475	1	Switch, Emergency Stop	
25	4360476	1	Switch, Contact Block	
26	4460234	2	Tie, Wire (Not Shown)	
27	4460426	AR	Connector, Strain Relief	
28	4460488	AR	Mounting Base, Terminal	
31	4740444	6	Washer, Special	
33	4751400	20	Flatwasher 1/4in Regular	
36	4460470	1	Nut, Terminal	
37	4460471	1	Lockwasher, Terminal	
40	0630548	5	Bolt	
41	3740049	AR	Relay	
42	3900268	AR	Screw, Flange #10 x 1/2in	
43	4460526	1	Connector, Strain Relief	
44	4460874	1	Connector, Natural	
44	4460905	4	Connector, Amp Seal Plug	
45	4460875	1	Connector, Gray	
46	4761400	AR	Lockwasher 1/4in	
47		Ref	Harness, Analyzer Cable Options (Not Shown - See ELECTRICAL SECTION for Breakdown):	
47	4922666	1	Harness, Analyzer Cable **(SN 0300068000 through 0300084826)**	
47	Not Required	1	Harness, Analyzer Cable **(SN 0300084827 through 0300087000)**	
48	3300205	4	Nut, Retainer	
49	1705132	1	Decal - ADE	
50	3520035	1	Plug, Cap (Not Shown)	

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

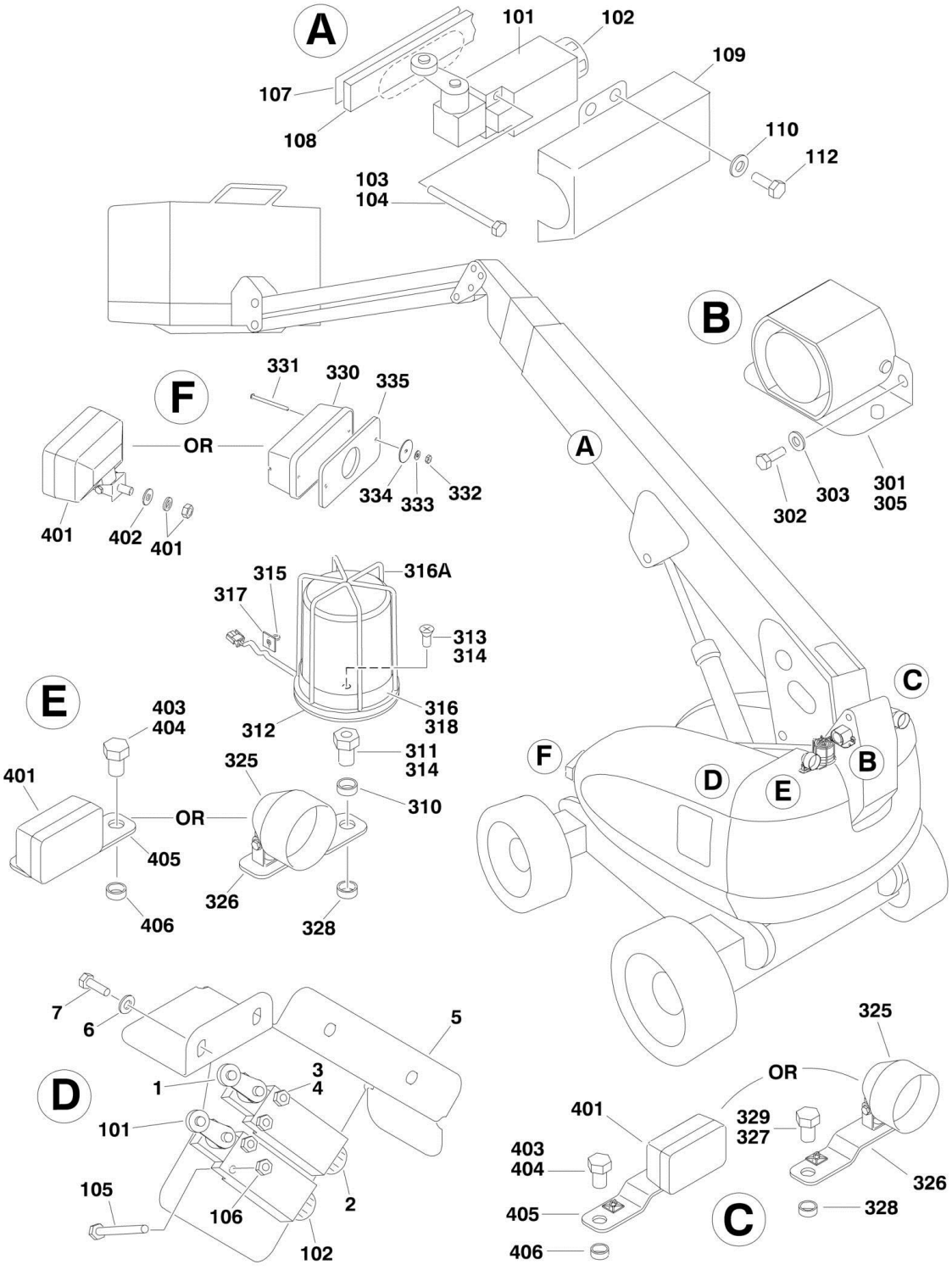


FIGURE 2-20. ELECTRICAL OPTIONS INSTALLATION (TURNTABLE MOUNTED)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ELECTRICAL OPTIONS INSTALLATIONS (TURNTABLE MOUNTED)**	
	0255335	Ref	**LIMIT SWITCH INSTALLATION - ABOVE HORIZONTAL**	6-F
1		Ref	Switch, Limit Options:	
1	4360322	NLA	Switch, Limit (Use p/n 4360578) **(SN 0300068000 through 0300074440)**	
1	4360549	NLA	Switch, Limit (Use p/n 4360578) **(SN 0300074441 through 0300080872)**	
1	4360578	1	Switch, Limit **(SN 0300080873 through 0300087000)**	
2		Ref	Connector, Strain Relief Options:	
2	4460428	1	Connector, Strain Relief **(SN 0300068000 through 0300068965)**	
2	4460968	1	Connector, Strain Relief **(SN 0300074441 through 0300087000)**	
3	3931028	2	Capscrew, Socket Head #10-24NC x 1 3/4in	
4	3311005	2	Locknut #10-24NC	
5	1670818	1	Cover, Limit Switch **(SN 0300027349 through 0300087000)**	
6	4751400	4	Flatwasher 1/4in Regular **(SN 0300027349 through 0300087000)**	
7	3931408	4	Bolt 1/4in-20NC x 1in **(SN 0300027349 through 0300087000)**	
	0255698	Ref	**LIMIT SWITCHES INSTALLATION - DUAL CAPACITY**	5-D
101		Ref	Switch, Limit Options:	
101	4360322	NLA	Switch, Limit (Use p/n 4360578) **(SN 0300068000 through 0300074440)**	
101	4360549	NLA	Switch, Limit (Use p/n 4360578) **(SN 0300074441 through 0300080872)**	
101	4360578	1	Switch, Limit **(SN 0300080873 through 0300087000)**	
102		Ref	Connector, Strain Relief Options:	
102	4460428	2	Connector, Strain Relief **(SN 0300068000 through 0300074440)**	
102	4460968	2	Connector, Strain Relief **(SN 0300074441 through 0300087000)**	
103	0100035	AR	Compound, Locking	
104	3930816	2	Capscrew, Socket Head #8-32NC x 1in	
105	3930828	2	Capscrew, Socket Head #8-32NC x 1-3/4in	
106	3310805	2	Locknut #8-32NC	
107	4420054	9 ft/2.7m	Tape, Double Sided	
108	0362528	1	Bar, Fiberglass	
109	1670824	1	Cover, Limit Switch	
110	4751400	4	Flatwasher 1/4in Regular	
112	0641403	4	Bolt 1/4in-20NC x 3/8in	
	0270833	Ref	**ALARMS INSTALLATIONS**	1
301	0257887	1	Alarm/Harness Assembly	
301	0140032	1	Alarm	
301	2820035	6 in/15cm	Loom	
301	4460424	1	Plug	
301	4460268	2	Socket	
302	0641406	2	Bolt 1/4in-20NC x 3/4in	
303	4711400	2	Flatwasher 1/4in Thin	
305	0100048	AR	Sealant, Silicone	
	0270805	Ref	**STROBE LIGHT INSTALLATION (AMBER) (OPTIONAL)**	2
		Ref	**Note: If machines are equipped with BLUE Strobe Light, See**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			SPECIAL OPTIONS SECTION SkyGuard Kit.	
310	4220162	1	Spacer, Stop (SN 0300068000 to SN 0300069327 - Used with ECCO Model 6640 Only)	
311		Ref	Adapter Options:	
311	0630491	1	Adapter used with ECCO Model 6640	
311	0080241	1	Adapter used with ECCO Model 6650	
312	3539281	1	Plate, Mounting (SN 0300068000 to SN 0300069327 - Used with ECCO Model 6640 Only)	
313	0741606	1	Screw, Flathead Countersunk 3/8in-16NC x 3/4in (SN 0300068000 to SN 0300069327 - Used with ECCO Model 6640 Only)	
314	0100011	AR	Compound, Locking	
315	4240032	1	Wire-Tile	
316		Ref	Strobe Light/Guard/Harness Assembly Options:	
316	0255917	NLA	Strobe Light/Guard/Harness Assembly (Use p/n 0272507) **(SN 0300068000 through 0300069326)**	
316	0272507	1	Strobe Light/Guard/Harness Assembly (Includes Item 311 & 316A) **(SN 0300069327 through 0300087000)**	
316		Ref	Bulb, Replacement Options:	
316	7016380	1	Bulb for ECCO Model 6640	
316	70001941	1	Bulb for ECCO Model 6650	
316A		Ref	Guard Options:	
316A	4060907	1	Guard used with ECCO Model 6640	
316A	2920215	1	Guard used with ECCO Model 6650	
317	4460234	1	Clamp	
318	0100048	AR	Sealant, Silicone	
	0271552	Ref	**LIGHTS INSTALLATIONS (OPTIONAL)**	2
325	2920110	2	Headlight	
326	0902206	2	Bracket, Mounting	
327	0642612	1	Bolt 1in-8NC x 1-1/2in	
328	4220162	2	Spacer	
329	0100011	AR	Compound, Locking	
330	2920113	2	Taillight	
331	3911040	4	Screw, Machine #10-24NC x 2-1/2in	
332	3311005	4	Nut #10-24NC	
333	4751000	4	Flatwasher #10 Regular	
334	4740362	4	Washer, Fender	
335	3960461	2	Gasket	
337	4240032	21	Tie-Strap (Not Shown)	
338	4460234	21	Mount, Tie-Strap (Not Shown)	
339	4360336	1	Switch, Toggle (Not Shown - Located on Console)	
340	3790012	1	O-Ring (Not Shown - Located on Console)	
341	3820001	11	Rivet, Pop (Not Shown)	
	0274210	Ref	**CHASSIS ILLUMINATION LIGHT INSTALLATION**	1-A
401	2920157	4	Lamp, Worklight	
402	4740546	4	Washer, Rubber	
403	0100011	AR	Compound, Locking	
404	0642612	2	Bolt 1in-8NC x 1-1/2in	
405	0902206	2	Bracket, Light Mounting	
406	4220162	2	Spacer	
408	3790012	1	O-Ring (Not Shown - Located at Platform Console Box)	
409	4360336	1	Switch, Toggle (Not Shown - Located at Platform Console Box)	
410	4240032	21	Strap, Tie (Not Shown)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
411	4460234	21	Mount, Cable (Not Shown)	
412	3820001	11	Rivet, Pop (Not Shown)	

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

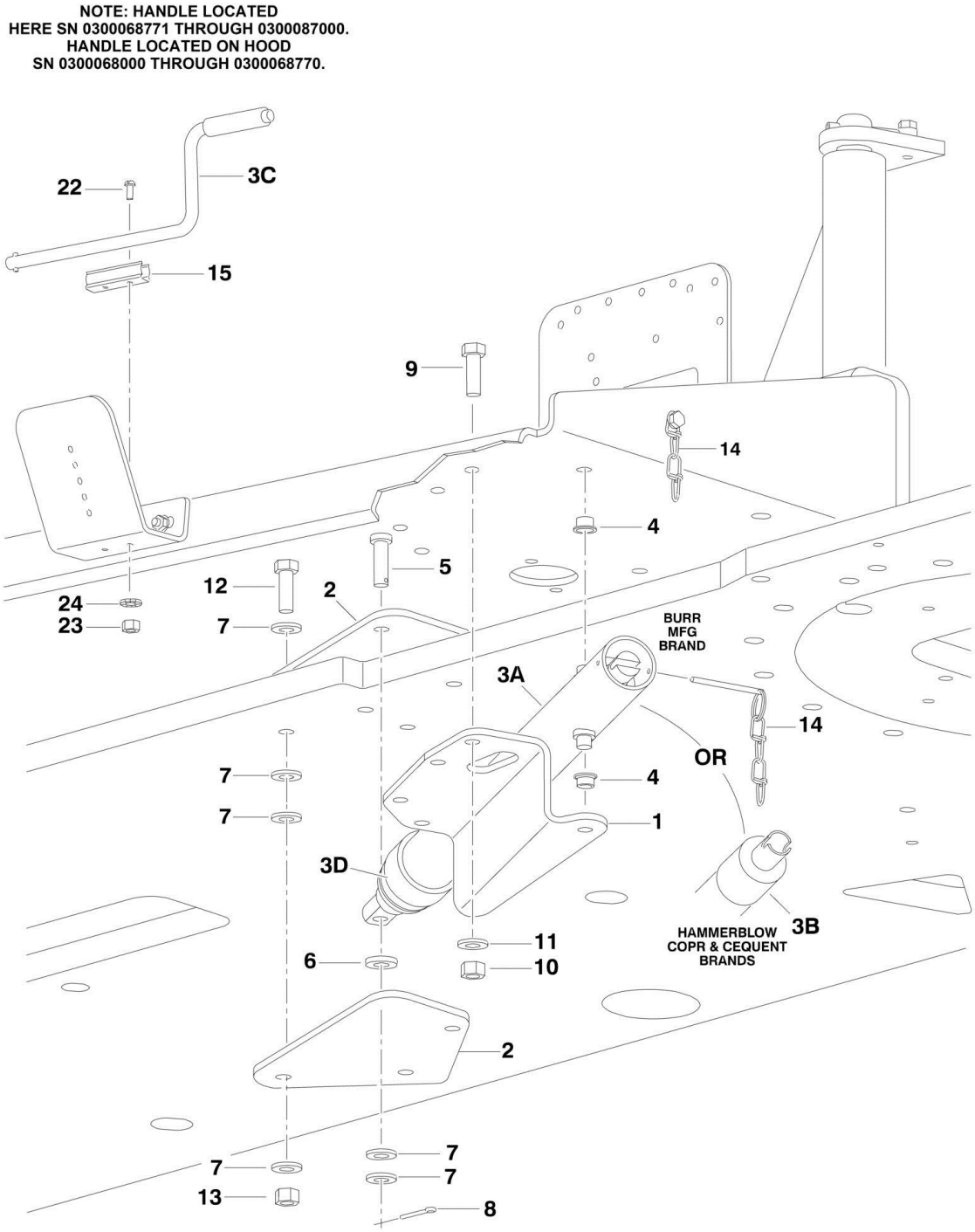
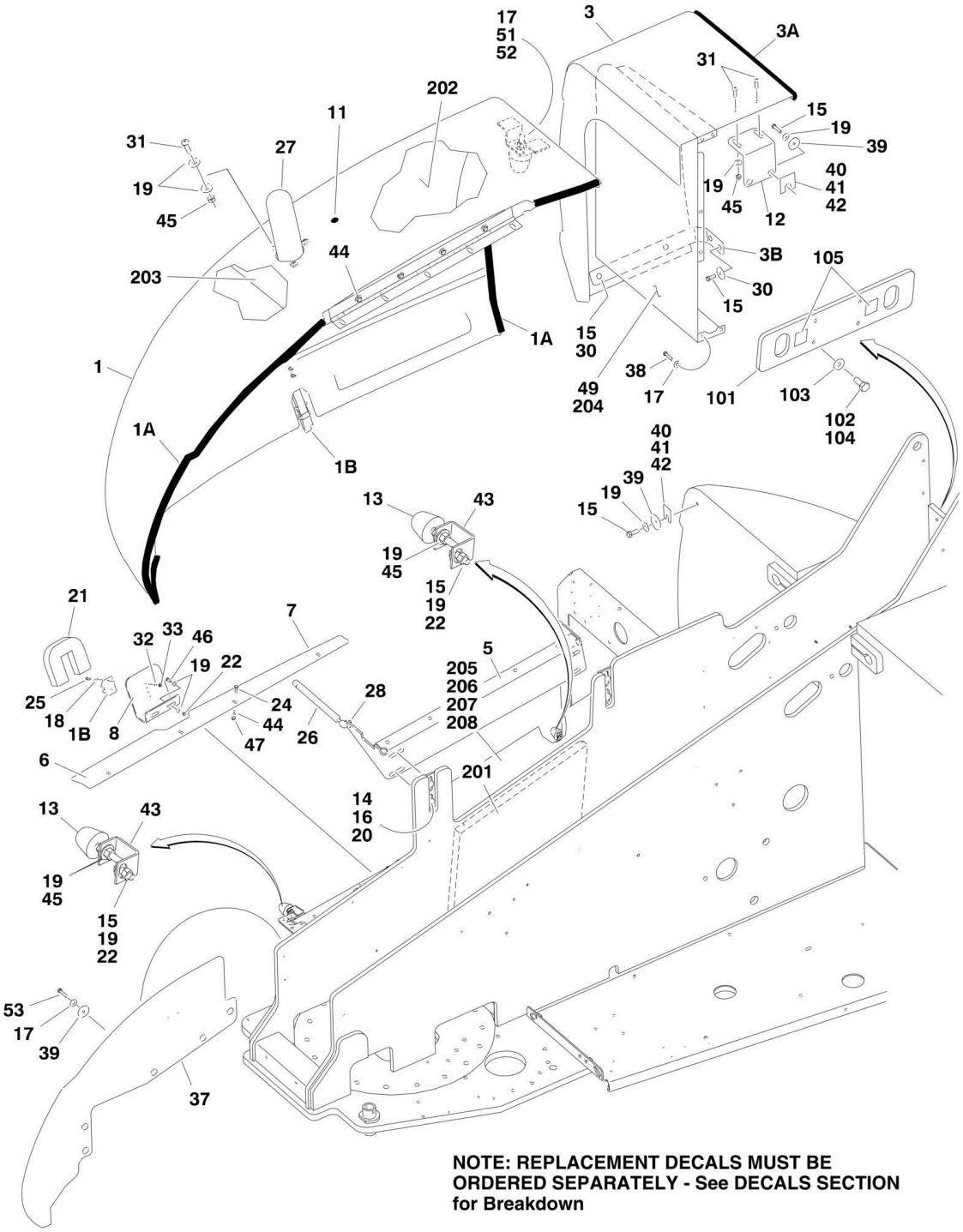


FIGURE 2-21. ENGINE TRAY JACK INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255881	Ref	**ENGINE TRAY JACK INSTALLATION**	3-G
1	3537445	1	Bracket	
2	3537446	2	Bracket	
3	2840016	1	Hydraulic Jack Assembly Options:	D
3A		Ref	Burr Manufacturing Brand	
3B		Ref	Hammerblow Corp and Sequent Brand	
3C		Ref	Handle Options:	
3C	7016374	1	Burr Manufacturing Brand	
3C	7024598	1	Hammerblow Corp Brand	
3D	7016322	1	Wiper (Burr Manufacturing Brand Only)	
4	0962051	2	Bushing, Flanged	
5	3430816	1	Pin, Clevis	
6	4891800	1	Flatwasher 1/2in Hardened	
7	4711800	6	Flatwasher 1/2in Thin	
8	3450404	1	Pin, Cotter 1/8in x 1in	
9	0641609	4	Bolt 3/8in-16NC x 1-1/8in	
10	3311605	4	Locknut 3/8in-16NC	
11	4891600	4	Flatwasher 3/8in Hardened	
12	0641818	4	Bolt 1/2in-13NC x 2-1/4in	
13	3311805	4	Locknut 1/2in-13NC	
14	3422530	1	Pin and Chain **(SN 0300068000 through 0300070643)**	
15	1380147	1	Clip, Spring	
22	3910608	2	Screw #6-32NC x 1in	
23	3310601	2	Nut #6-32NC	
24	4770600	2	Starwasher #6	

FIGURE 2-22. HOODS AND LIFTING PLATE INSTALLATIONS



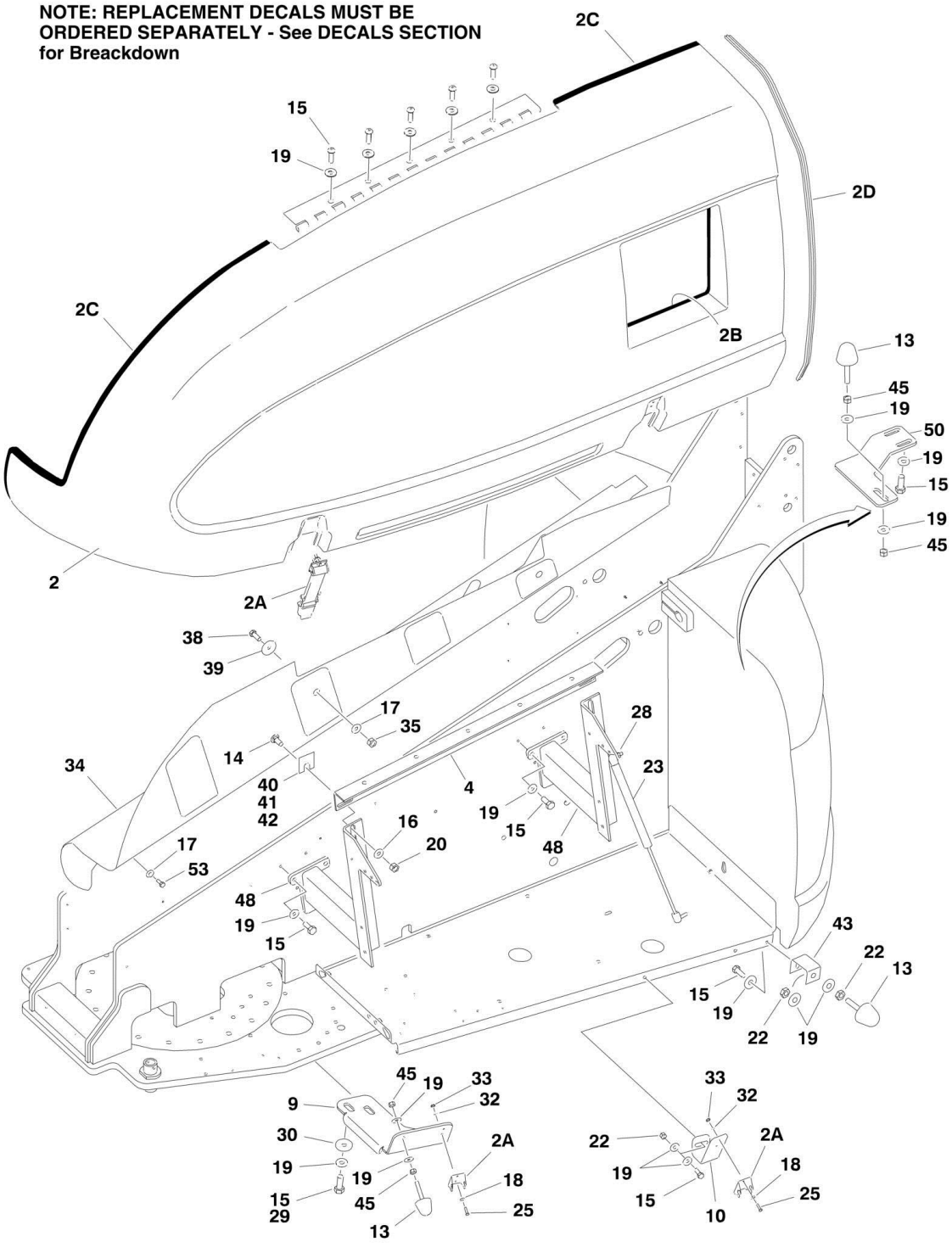

NOTE: REPLACEMENT DECALS MUST BE ORDERED SEPARATELY - See DECALS SECTION for Breackdown
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FIGURE 2-22. HOODS AND LIFTING PLATE INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**Note: Steel Hood Replacement Kits are available for machines built with Deutz engines (Purchase p/n 1001126286) and Caterpillar/GM engines (Purchase p/n 1001126287). No kits are available for machines built with Ford Engines.**	
		Ref	**HOODS INSTALLATIONS**	
	0256830	Ref	**Hoods Installations Standard**	10-I
	0258578	Ref	**Hoods Installations U/L (SN 0300068000 through 0300079619)**	4
1		Ref	Hood Assembly - Engine Side Options:	
1	2680449	1	Hood Assembly - Engine Side Standard	
1	2680443	1	Hood Assembly - Engine Side U/L	
1	2600209	1	Hinge	
1A	3960464	65 in /1.67m	Seal	
1A	3960462	61 in /1.55m	Seal	
1B	2940088	1	Latch	
2		Ref	Hood Assembly - Tank Side Options:	
2	2680448	1	Hood Assembly - Tank Side Standard	
2	2680437	1	Hood Assembly - Tank Side U/L	
2	2600233	1	Hinge	
2A	2940088	2	Latch	
2B	3960438	53 in /1.35m	Seal	
2C	3960464	83 in /2.11m	Seal	
2D	3960462	55 in/1.4m	Seal	
3		Ref	Hood Assembly- Engine Spacer Options:	
3	2680450	1	Hood Assembly- Engine Spacer Standard	
3	2680435	1	Hood Assembly- Engine Spacer U/L	
3A	3960453	68 in /1.73m	Seal	
3B	7023366	1	Bracket	
4	0902416	1	Bracket, Hood Mounting	
5	0902351	1	Bracket, Hood Mounting	
6	3539934	1	Plate, Seal	
7	3960389	3.5 ft/1m	Seal	
8	0902491	1	Bracket, Latch	
9	0902223	1	Bracket, Latch	
10	0902143	1	Bracket, Latch	
11	3520033	2	Plug, Hole	
12	0902161	1	Bracket, Hood Spacer Mounting	
13	0940071	5	Bumper	
14	0630507	6	Bolt, Carriage 1/2in-13NC x 1-1/4in	
15	0641608	AR	Bolt 3/8in-16NC x 1in	
16	4740171	6	Flatwasher, Hardened	
17	4751500	9	Flatwasher 5/16in Regular	
18	4751000	12	Flatwasher #10 Regular	
19	4751600	AR	Flatwasher 3/8in Regular	
20	3311805	6	Locknut 1/2in-13NC	
21	3960470	1	Seal	
22	3311605	5	Locknut 3/8in-16NC	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
23	4160139	2	Spring, Gas (Tank Side)	
24	0641406	4	Bolt 1/4in-20NC x 3/4in	
25	0721006	6	Screw #10-24NC x 3/4in	
26	4160143	2	Spring, Gas (Engine Side)	
27		Ref	Outlet, Exhaust Options:	
27	4845411	1	Outlet, Exhaust Standard	
27	Not Required	1	Outlet, Exhaust U/L	
28	3311505	4	Locknut 5/16in-18NC	
29	0100011	AR	Compound, Locking	
30	4740076	4	Washer, Fender	
31	3900232	5	Screw, Button Head 3/8in-16NC x 1-1/4in	
32	4761000	6	Lockwasher #10	
33	3311001	6	Nut #10-24NC	
34	1670771	1	Cover	
35	3311501	AR	Nut 5/16in-18NC	
36	0641512	2	Bolt 5/16in-18NC x 1-1/2in	
37	1670779	1	Cover, Side	
38	0641506	AR	Bolt 5/16in-18NC x 3/4in	
39	4740076	AR	Washer, Fender	
40	4070410	AR	Shim 1/16in	
41	4070411	AR	Shim 1/8in	
42	4070412	AR	Shim 3/16in	
43	0902219	2	Bracket, Bumper	
44	4751400	4	Flatwasher 1/4in Regular	
45	3311601	AR	Nut 3/8in-16NC	
46	0641609	2	Bolt 3/8in-16NC x 1-1/8in	
47	3311405	4	Locknut 1/4in-20NC	
48	4845356	2	Hood Mount Weldment	
49	3539979	1	Plate, Inlet Baffle **(SN 0300068000 through 0300076512)**	
50	0902384	1	Bracket, Hood Mount	
51	0940088	1	Hood, Bumper	
52	3321501	2	Nut 5/16in-24NF	
53	0641506	10	Bolt 5/16in-18NC x 3/4in **(SN 0300074784 through 0300087000)**	
	0256122	Ref	**LIFTING PLATE INSTALLATION**	1-B
101	3539590	1	Plate, Lifting	
102	0682014	4	Bolt 5/8in-11NC x 1-3/4in Grade 8	
103	4892000	4	Flatwasher 5/8in Hardened	
104	0100019	AR	Compound, Locking	
105	1701500	2	Decal - Tie Down/Lift	
	0256823	Ref	**NOISE REDUCTION INSTALLATION (DIESEL MACHINES)**	2
201	2820078	1	Foam, Acoustical	
202	2820079	1	Foam, Acoustical	
203	2820119	1	Foam, Acoustical	
204	2820081	1	Foam, Acoustical **(SN 0300068000 through 0300076512)**	
205	3539955	1	Plate, Baffle	
206	0641506	2	Bolt 5/16in-18NC x 3/4in	
207	4751500	2	Flatwasher 5/16in Regular	
208	0100011	AR	Compound, Locking (Not Shown)	

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

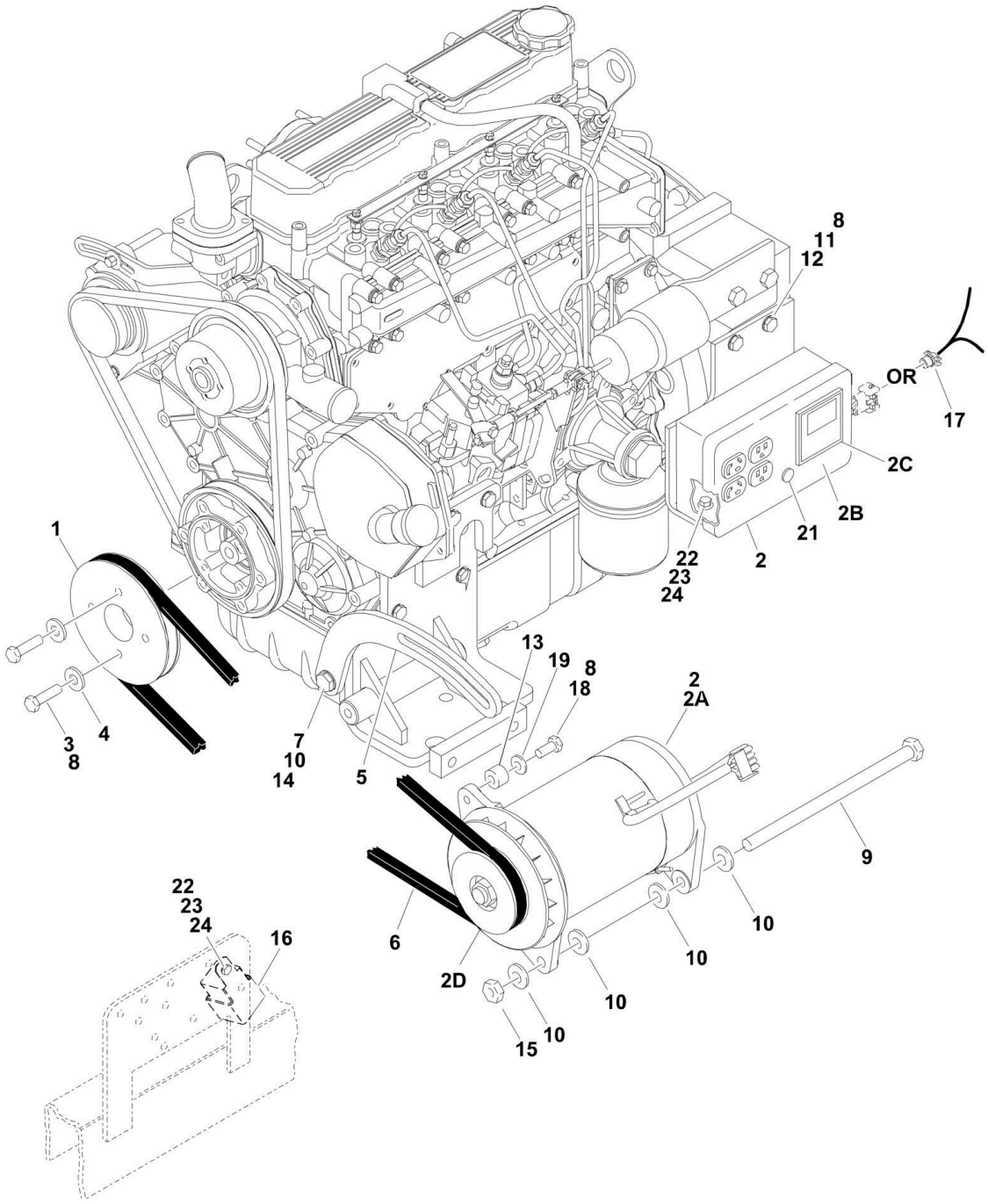


FIGURE 2-23. 2500W GENERATOR INSTALLATION - CATERPILLAR MACHINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**GENERATOR INSTALLATION OPTIONS:**	
		Ref	**Generator Installation (SN 0300068000 through 0300077489)**	
	0273518	Ref	**Generator Installation 110V/60Hz**	3-C
	0273538	Ref	**Generator Installation 110V/50Hz**	3-C
	0273539	Ref	**Generator Installation 220V/50Hz**	3-C
		Ref	**Generator Installation (SN 0300077490 through 0300087000)**	
	0274081	Ref	**Generator Installation 110V/60Hz**	1-A
	0274090	Ref	**Generator Installation 110V/50Hz**	1-A
	0274087	Ref	**Generator Installation 220V/50Hz**	1-A
1	3580322	1	Pulley	
2		Ref	Generator and Control Box Assembly Options:	
2	2460032	1	Generator and Control Box Assembly 110V/60Hz **(SN 0300068000 through 0300077489)**	
2	2460055	1	Generator and Control Box Assembly 110V/60Hz **(SN 0300077490 through 0300087000)**	
2	2460039	1	Generator and Control Box Assembly 110V/50Hz **(SN 0300068000 through 0300077489)**	
2	2460057	1	Generator and Control Box Assembly 110V/50Hz **(SN 0300077490 through 0300087000)**	
2	2460013	1	Generator and Control Box Assembly 220V/50Hz **(SN 0300068000 through 0300077489)**	
2	2460056	1	Generator and Control Box Assembly 220V/50Hz **(SN 0300077490 through 0300087000)**	
2A		Ref	Replacement Generator Options:	
2A	7012558	1	110V/60Hz Replacement Generator	
2A	2460049	1	110V/50Hz Replacement Generator	
2A	1001100321	1	220V 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.**	
2A	7020193	1	Cable, Generator (Generator to Control Box)	
2A		Ref	Armature Options:	
2A	7026199	1	Armature 110V/60Hz Generator	
2A	70000122	1	Armature 110V/50Hz Generator	
2A	70000123	1	Armature 220V Generator	
2A	7020108	4	Brush	
2A	7020109	4	Holder, Brush	
2A	7012513	4	Cap, Brush Holder	
2A	7012514	1	Fan	
2A	7020110	1	Bell, Front	
2A	7020111	1	Bell Rear	
2A	7020190	2	Bearing	
2B		Ref	Control Box Options:	
2B	7003657	1	110V/60Hz Control Box **(SN 0300068000 through 0300077489)**	
2B	7019680	1	110V/60Hz Control Box **(SN 0300077490 through 0300087000)**	
2B	70002239	1	110V/50Hz Control Box **(SN 0300068000 through 0300077489)**	
2B	7019680	1	110V/50Hz Control Box **(SN 0300077490 through 0300087000)**	
2B	70002235	1	220V Control Box **(SN 0300068000 through 0300077489)**	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2B	70000127	1	220V Control Box **(SN 0300077490 through 0300087000)**	
2B		Ref	Breaker, Circuit Options:	
2B	4360542	1	Breaker 110V/60Hz	
2B	70002240	1	Breaker 110V/50Hz **(SN 0300068000 through 0300077489)**	
2B	4360542	1	Breaker 110V/50Hz **(SN 0300077490 through 0300087000)**	
2B	70000126	1	Breaker 220V	
2B		Ref	Receptacle Options:	
2B	4460190	AR	Receptacle, Standard 110V	
2B	4460027	AR	Receptacle, Twistlock 110V	
2B	70000124	AR	Receptacle, Double 220V	
2B	70000125	AR	Receptacle, Single 220V	
2B	2920162	1	Lamp	
2B	7020191	1	Switch, Toggle	
2B	3520028	1	Plug, Hole	
2C		Ref	Voltmeter Options:	
2C	2420203	1	Voltmeter 110V (was p/n 7010699)	
2C	7020192	1	Voltmeter 220V	
2D		Ref	Pulley Options:	
2D	3580276	1	Pulley for 110V/60Hz	
2D	3580134	1	Pulley for 110V/50Hz	
2D	3580134	1	Pulley for 220V	
2D	7027887	1	Key, Woodruff	
3	0700816	4	Bolt 8mm x 40mm	
4	4751900	4	Flatwasher 9/16in Regular	
5		Ref	Arm, Adjusting Options:	
5	0200742	1	Arm, Adjusting **(SN 0300068000 through 0300074860)**	
5	0200819	1	Arm, Adjusting **(SN 0300074861 through 0300087000)**	
6		Ref	V-Belt Options:	
6	0480121	1	V-Belt 110V/60Hz	
6	0480120	1	V-Belt 110V/50Hz	
6	0480120	1	V-Belt 220V/50Hz	
7	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
8	0100011	AR	Compound, Locking	
9	0641772	1	Bolt 7/16in-14NC x 9in	
10	4751600	6	Flatwasher 3/8in Regular	
11	3574684	1	Plate, Box Mounting	
12	0701210	2	Bolt M12 x 20mm	
13		Ref	Bushing, Spacer Options:	
13	0962653	1	Bushing, Spacer **(SN 0300068000 through 0300074860)**	
13	0962563	1	Bushing, Spacer **(SN 0300074861 through 0300087000)**	
14	3311605	1	Locknut 3/8in-16NC	
15	3311705	1	Locknut 7/16in-14NC	
16	3740080	1	Relay	
17	4460023	1	Connector, Strain Relief **(SN 0300068000 through 0300077489)**	
18	0641508	1	Bolt 5/16in-18NC x 1in	
19	4751500	1	Flatwasher 5/16in Regular	
21	3520028	1	Plug, Hole **(SN 0300068000 through 0300077489)**	
22	0721006	3	Bolt #10-24NC x 3/4in	
23	3311005	3	Locknut #10-24NC	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
24	4751000	6	Flatwasher #10 Regular	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform) **(SN 0300068000 through 0300074860)**	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
28		Ref	Decal - Voltage Options (Not Shown - Located at Platform):	
28	See Note	1	Decal - Voltage 110V/60Hz (Note: Not Available for Purchase)	
28	1705325	1	Decal - Voltage 110V/50Hz	
28	3252507	1	Decal - Voltage 220V/50Hz	
29	2820031	4 in/10cm	Heat Shrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	

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

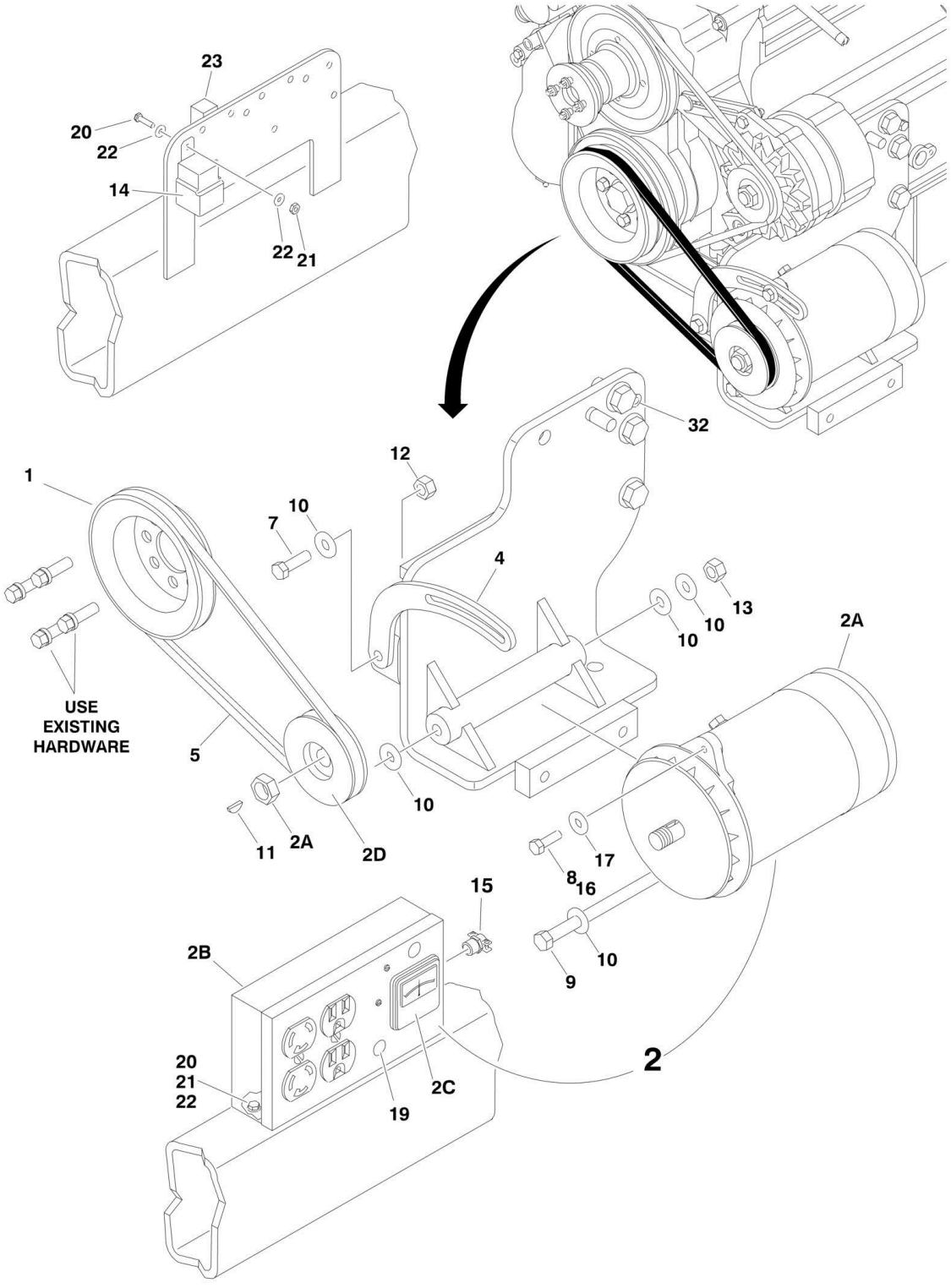


FIGURE 2-24. 2500W GENERATOR INSTALLATION - DEUTZ MACHINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**GENERATOR INSTALLATIONS**	
	0272480	Ref	**110V Generator (SN 0300068000 through 0300077489)**	3
	0274082	Ref	**110V Generator (SN 0300077490 through 0300087000)**	1
	0272481	Ref	**220V Generator (SN 0300068000 through 0300077489)**	3
	0274086	Ref	**220V Generator (SN 0300077490 through 0300087000)**	1
1	3580158	1	Pulley	
2		Ref	Generator and Control Box Assembly Options:	
2	2460032	1	Generator and Control Box Assembly 110Volt **(SN 0300068000 through 0300077489)**	
2	2460055	1	Generator and Control Box Assembly 110Volt **(SN 0300077490 through 0300087000)**	
2	2460013	1	Generator and Control Box Assembly 220Volt **(SN 0300068000 through 0300077489)**	
2	2460056	1	Generator and Control Box Assembly 220Volt **(SN 0300077490 through 0300087000)**	
2A		Ref	Replacement Generator Options:	
2A	7012558	1	110V Replacement Generator	
2A	1001100321	1	220V 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.**	
2A	7020193	1	Cable, Generator (Generator to Control Box)	
2A		Ref	Armature Options:	
2A	7026199	1	Armature 110V Generator	
2A	70000123	1	Armature 220V Generator	
2A	7020108	4	Brush	
2A	7020109	4	Holder, Brush	
2A	7012513	4	Cap, Brush Holder	
2A	7012514	1	Fan	
2A	7020110	1	Bell, Front	
2A	7020111	1	Bell Rear	
2A	7020190	2	Bearing	
2B		Ref	Control Box Options:	
2B	7003657	1	110V/60Hz Control Box **(SN 0300068000 through 0300077489)**	
2B	7019680	1	110V/60Hz Control Box **(SN 0300077490 through 0300087000)**	
2B	70002235	1	220V Control Box **(SN 0300068000 through 0300077489)**	
2B	70000127	1	220V Control Box **(SN 0300077490 through 0300087000)**	
2B		Ref	Breaker, Circuit Options:	
2B	4360542	1	Breaker 110V/60Hz	
2B	70000126	1	Breaker 220V	
2B		Ref	Receptacle Options:	
2B	4460190	AR	Receptacle, Standard 110V	
2B	4460027	AR	Receptacle, Twistlock 110V	
2B	70000124	AR	Receptacle, Double 220V	
2B	70000125	AR	Receptacle, Single 220V	
2B	2920162	1	Lamp	
2B	7020191	1	Switch, Toggle	
2B	3520028	1	Plug, Hole	
2C		Ref	Voltmeter Options:	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
2C	2420203	1	Voltmeter 110V (was p/n 7010699)	
2C	7020192	1	Voltmeter 220V	
2D		Ref	Pulley Options:	
2D	3580276	1	Pulley for 110V/60Hz	
2D	3580134	1	Pulley for 220V	
4	0200742	1	Arm, Adjusting	
5		Ref	V-Belt Options:	
5	0480111	1	V-Belt 110Volt Assembly **(SN 0300068000 through 0300068274)**	
5	0480119	1	V-Belt 220Volt Assembly **(SN 0300068000 through 0300068274)**	
5	0480121	1	V-Belt 110Volt/220Volt Assembly **(SN 0300068275 through 0300087000)**	
7	0641610	1	Bolt 3/8in-16NC x 1-1/4in	
8	0100011	AR	Compound, Locking	
9	0641772	1	Bolt 7/16in-14NC x 9in	
10	4751600	6	Flatwasher 3/8in Regular	
11	2860012	1	Key, Woodruff	
12	3311605	1	Locknut 3/8in-16NC	
13	3311705	1	Locknut 7/16in-14NC	
14	3740080	1	Relay	
15	4460023	1	Connector, Strain Relief	
16	0641508	1	Bolt 5/16in-18NC x 1in	
17	4751500	AR	Flatwasher 5/16in Regular	
19	3520028	1	Plug, Hole **(SN 0300068000 through 0300077489)**	
20	0721006	4	Bolt #10-24NC x 3/4in	
21	3311005	4	Locknut #10-24NC	
22	4751000	9	Flatwasher #10 Regular	
23	4360294	1	Breaker, Circuit - 30 Amp **(SN 0300068000 through 0300077489)**	
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		Ref	Decal Options (Not Shown - Located on Turntable)	
28	Not Required	0	Decal 110Volt	
28	3252507	1	Decal - 220V - 50/60Hz	
29	2820031	4 in/10cm	Heat Shrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	

FIGURE 2-25. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300068000 through 0300079618)

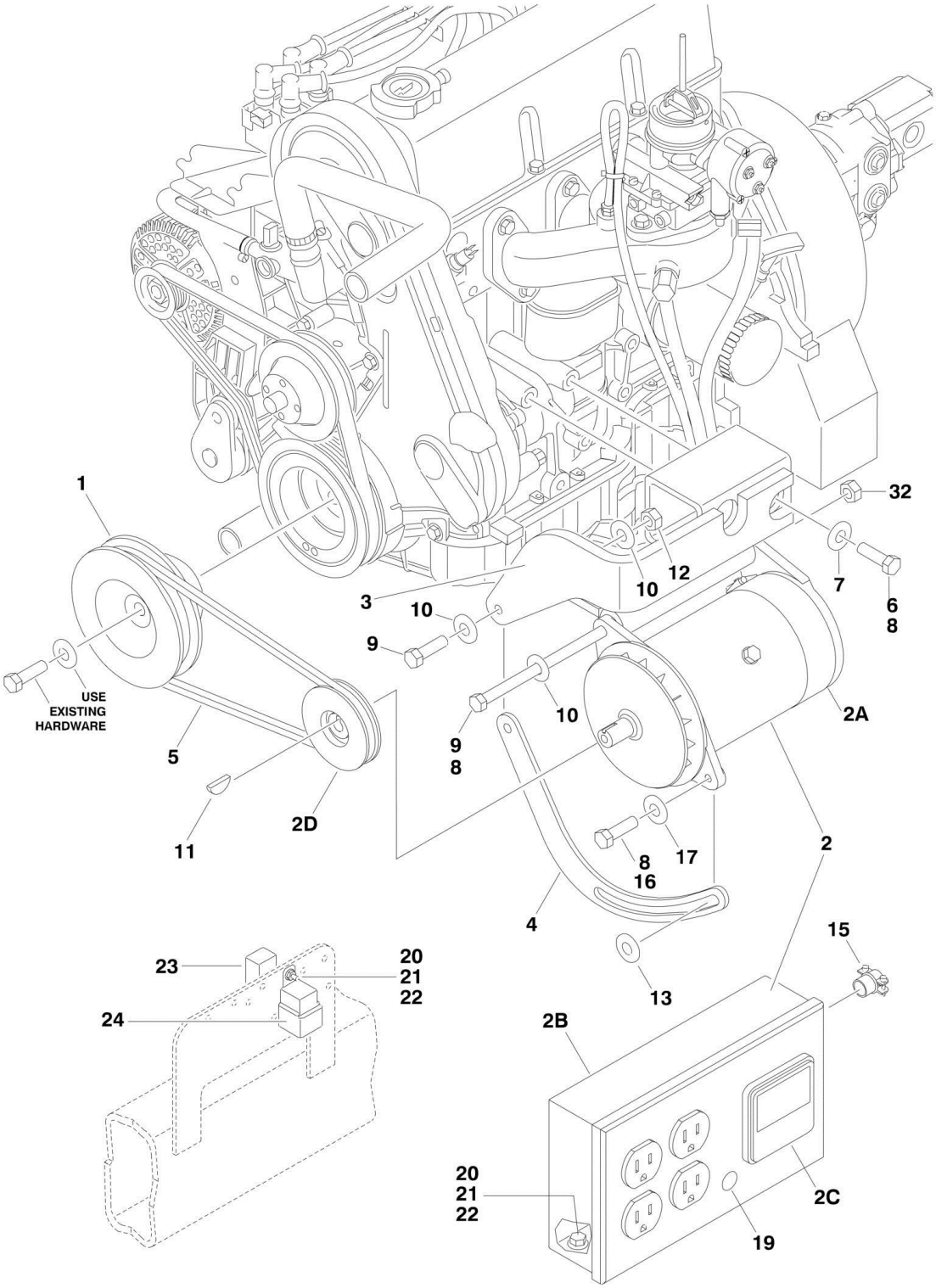


FIGURE 2-25. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300068000 through 0300079618)

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		Ref	Generator and Control Box Assembly Options:	
2	2460032	1	Generator and Control Box Assembly 110Volt Assembly **(SN 0300068000 through 0300069574)**	C
2	2460044	1	Generator and Control Box Assembly 110Volt Assembly **(SN 0300069575 through 0300079618)**	A
2	2460013	1	Generator and Control Box Assembly 220Volt Assembly	B
2A		Ref	Replacement Generator Options:	
2A	7012558	1	110V Replacement Generator	
2A	1001100321	1	220V 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.**	
2A	7020193	1	Cable, Generator (Generator to Control Box)	
2A		Ref	Armature Options:	
2A	7026199	1	Armature 110V Generator	
2A	70000123	1	Armature 220V Generator	
2A	7020108	4	Brush	
2A	7020109	4	Holder, Brush	
2A	7012513	4	Cap, Brush Holder	
2A	7012514	1	Fan	
2A	7020110	1	Bell, Front	
2A	7020111	1	Bell Rear	
2A	7020190	2	Bearing	
2B		Ref	Control Box Options:	
2B	7003657	1	110V Control Box	
2B	70002235	1	220V Control Box	
2B		Ref	Breaker, Circuit Options:	
2B	4360542	1	Breaker 110V	
2B	70000126	1	Breaker 220V	
2B		Ref	Receptacle Options:	
2B	4460190	AR	Receptacle, Standard 110V	
2B	4460027	AR	Receptacle, Twistlock 110V	
2B	70000124	AR	Receptacle, Double 220V	
2B	70000125	AR	Receptacle, Single 220V	
2B	2920162	1	Lamp	
2B	7020191	1	Switch, Toggle	
2B	3520028	1	Plug, Hole	
2C		Ref	Voltmeter Options:	
2C	2420203	1	Voltmeter 110V (was p/n 7010699)	
2C	7020192	1	Voltmeter 220V	
2D		Ref	Pulley Options:	
2D	3580276	1	Pulley 110V **(SN 0300068000 through 0300069574)**	
2D	3580307	1	Pulley 110V **(SN 0300069575 through 0300079618)**	
2D	3580134	1	Pulley 220V	
2D	7027887	1	Key, Woodruff	
3	0902756	1	Bracket, Generator Mounting	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
4	0200547	1	Arm, Adjusting	
5		Ref	V-Belt Options:	
5	0480111	1	V-Belt 110Volt Generator **(SN 0300068000 through 0300069574)**	
5	0480134	1	V-Belt 110Volt Generator **(SN 0300069575 through 0300079618)**	
5	0480050	1	V-Belt 220Volt Generator	
6	0701015	2	Bolt M10 x 35mm	
7	4812000	2	Flatwasher M10	
8	0100011	AR	Compound, Locking	
9	0641772	1	Bolt 7/16in-14NC x 9in	
10	4751600	6	Flatwasher 3/8in Regular	
11	2860012	1	Key, Woodruff	
12	3311605	1	Locknut 3/8in-16NC	
13	4564417	1	Spacer, Tube	
15	4460023	1	Connector, Strain Relief	
16	0641508	1	Bolt 5/16in-18NC x 1in	
17	4751500	2	Flatwasher 5/16in Regular	
19	3520028	1	Plug, Hole	
20	0721006	4	Bolt #10-24NC x 3/4in	
21	3311005	4	Locknut #10-24NC	
22	4751000	9	Flatwasher #10 Regular	
23	4360294	1	Breaker, Circuit - 30 Amp	
24	3740080	1	Relay, Bosch	
25	4360336	1	Switch, Toggle (Not Shown - Located at Platform)	
26	4740397	1	Bushing (Not Shown - Located at Platform)	
27	4060802	1	Guard, Switch (Not Shown - Located at Platform)	
29	2820031	4 in/10cm	Heat Shrink (Not Shown - Located at Platform)	
30	3251102	1	Decal (Not Shown - Located at Platform)	
32	3311705	1	Locknut 7/16in-14NC	

FIGURE 2-26. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300079619 through 0300087000)

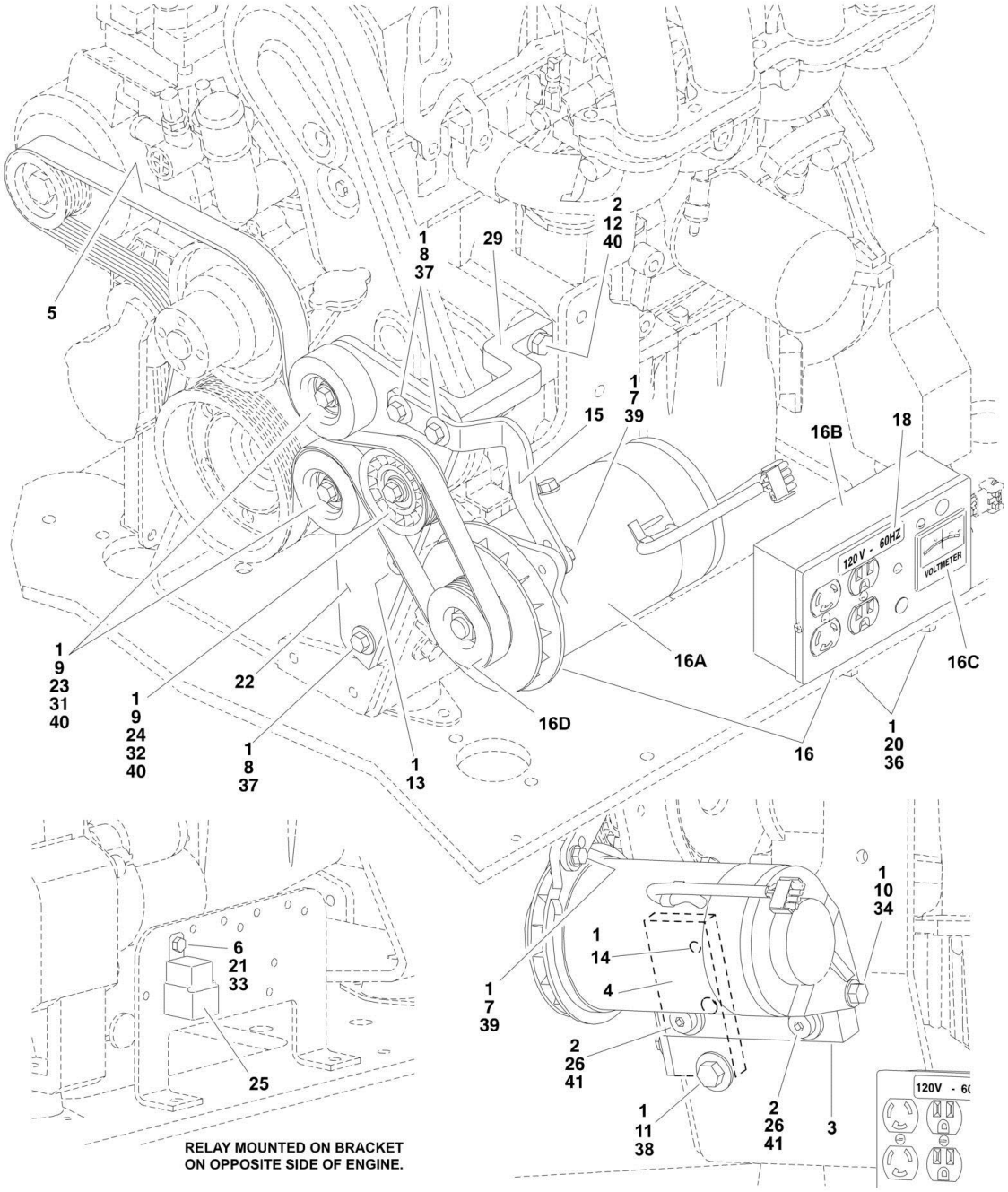


FIGURE 2-26. 2500W GENERATOR INSTALLATION - FORD MACHINES (OPTIONAL) (SN 0300079619 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**GENERATOR INSTALLATION OPTIONS:**	
	0273507	Ref	**110V Generator with ADE System (SN 0300079612 through 0300087000)**	C
	0273511	Ref	**220V Generator with ADE System (SN 0300079612 through 0300087000)**	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 10mm x 35mm	
13	0741606	1	Screw, Countersunk 3/8in-16NC x 3/4in	
14	0741808	1	Screw, Countersunk 1/2in-13NC x 1in	
15	0902952	1	Bracket, Generator Mounting	
16		Ref	Generator and Control Box Assembly Options:	
16	2460051	1	110Volt Assembly	
16	2460052	1	220Volt Assembly	
16A		Ref	Replacement Generator Options:	
16A	7012558	1	110V Replacement Generator	
16A	1001100321	1	220V 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.**	
16A	7020193	1	Cable, Generator (Generator to Control Box)	
16A		Ref	Armature Options:	
16A	7026199	1	Armature 110V Generator	
16A	70000123	1	Armature 220V Generator	
16A	7020108	4	Brush	
16A	7020109	4	Holder, Brush	
16A	7012513	4	Cap, Brush Holder	
16A	7012514	1	Fan	
16A	7020110	1	Bell, Front	
16A	7020111	1	Bell Rear	
16A	7020190	2	Bearing	
16B		Ref	Control Box Options:	
16B	7019680	1	110V Control Box	
16B	70000127	1	220V Control Box	
16B		Ref	Breaker, Circuit Options:	
16B	4360542	1	Breaker 110V	
16B	70000126	1	Breaker 220V	
16B		Ref	Receptacle Options:	
16B	4460190	AR	Receptacle, Standard 110V	
16B	4460027	AR	Receptacle, Twistlock 110V	
16B	70000124	AR	Receptacle, Double 220V	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
16B	70000125	AR	Receptacle, Single 220V	
16B	3520028	1	Plug, Hole	
16C		Ref	Voltmeter Options:	
16C	2420203	1	Voltmeter 110V (was p/n 7010699)	
16C	7020192	1	Voltmeter 220V	
16D		Ref	Pulley Options:	
16D	3580324	1	Pulley 110V	
16D	3580325	1	Pulley 220V	
16D	7027887	1	Key, Woodruff	
17	2820031	AR	Heat Shrink (Not Shown - Located at Platform)	
18		Ref	Decal	
18	1702590	1	110Volt Generator	
18	3251243	1	220Volt Generator	
19		Ref	Nameplate Options (Not Shown - Located at Platform):	
19	3252764	1	Nameplate **(SN 0300079619 through 0300085043)**	
19	3251102	1	Nameplate **(SN 0300085044 through 0300087000)**	
20	3311005	2	Locknut #10-24NC	
21	3311405	1	Locknut 1/4in-20NC	
22	3574225	1	Plate, Pulley Mounting	
23	3580312	2	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	2	Spacer, Tube (Idler Pulley Non-Grooved)	
32	4568735	1	Spacer, Tube (Idler Pulley Grooved)	
33	4711400	1	Flatwasher 1/4in Thin	
34	4711700	2	Flatwasher 7/16in Thin	
35	4740397	1	Spacer	
36	4751000	2	Flatwasher #10 Regular	
37	4751600	3	Flatwasher 3/8in Regular	
38	4751800	1	Flatwasher 1/2in Regular	
39	4891500	1	Flatwasher 5/16in Hardened	
40	4891600	4	Flatwasher 3/8in Hardened	
41	4892000	2	Flatwasher 5/8in Hardened	

FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ ENGINES (OPTIONAL)

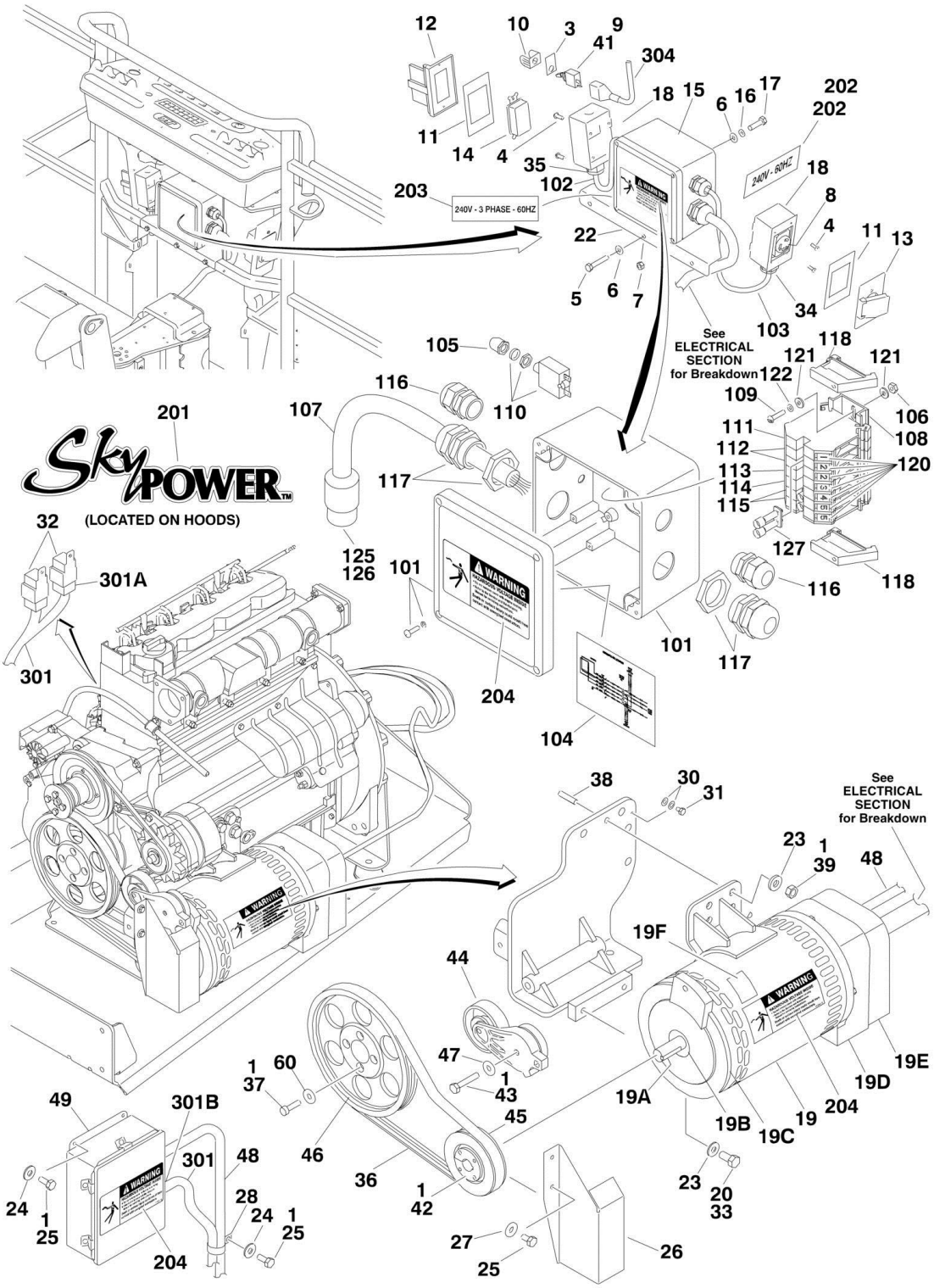


FIGURE 2-27. 7500W SKYPOWER GENERATOR INSTALLATION - CATERPILLAR AND DEUTZ ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**7500W SKYPOWER GENERATOR INSTALLATION (OPTIONAL)**	
	0273540	Ref	**60Hz and Caterpillar Engine**	G
	0273541	Ref	**50Hz and Caterpillar Engine**	G
	0272255	Ref	**60Hz and Deutz Engine**	G
	0272640	Ref	**60Hz and Deutz Engine (Brazilian Spec Only)**	E
	0272492	Ref	**50Hz and Deutz Engine**	F
		Ref	**Note: See ELECTRICAL SECTION for Boom Cable Installation.**	
1	0100011	AR	Compound, Locking	
3	3252764	1	Nameplate	
4	3910606	8	Screw #6-32NC x 3/8in	
5	0641516	3	Bolt 5/16in-18NC x 2in	
6	4711500	10	Flatwasher 5/16inThin	
7	3311505	3	Locknut 5/16in-18NC	
8	4460958	1	Receptacle, Female Twist-Lock - 60Hz (220-240V Single)	
8	See Note	NLA	Receptacle, Female Twist-Lock - 50Hz (220-240V Single) (Note: Not Available - Purchase Locally)	
9	4360336	1	Switch, Toggle	
10	4060802	1	Guard, Switch	
11	3960422	2	Gasket - 60HZ	
11	See Note	NLA	Gasket - 50Hz (Note: Not Available - Purchase Locally)	
12	4060700	1	Cover, Receptacle - 60HZ (Cover Side Hinged)	
12	See Note	1	Cover, Receptacle - 50Hz (Note: Not Available - Purchase Locally)	
13	4061043	1	Cover, Receptacle - 60HZ (Cover Side Hinged)	
13	See Note	NLA	Cover, Receptacle - 50Hz (Note: Not Available - Purchase Locally)	
14	4460346	1	Receptacle, Female - 60Hz (110-120V)	
14	See Note	NLA	Receptacle, Female - 50Hz (110-120V) (Note: Not Available - Purchase Locally)	
14	4460315	2	Terminal, Spade (60HZ Machines Only)	
15	0861542	1	Junction Box Assembly (See Items 101-127 for Breakdown)	
15	0861567	1	Junction Box Assembly (See Items 101-127 for Breakdown)	
16	4761500	4	Lockwasher 5/16in	
17	0641505	4	Bolt 5/16in-18NC x 5/8in	
17	0641508	4	Bolt 5/16in-18NC x 1in	
18	0860038	2	Box, Switch - 60Hz	
18	See Note	NLA	Box, Switch - 50Hz Spec (Note: Not Available - Purchase Locally)	
19		Ref	Generator Assembly Options:	
19	2460050	1	Generator Assembly Caterpillar Engine	
19	2460048	1	Generator Assembly Deutz Engine	
19	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
19	70001384	1	Bearing, Ball Radial (Not Shown)	
19	70000863	1	Fan (Not Shown)	
19		Ref	Stator Options (Not Shown):	
19	70001969	1	Stator 2460050 Generator	
19	70002088	1	Stator 2460048 Generator	
19	70002297	1	Stud	
19	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
19A	70004171	1	Key (was p/n 7024561)	
19B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
19C	70001953	1	Endbell, Belt Tensioner	
19D		Ref	Endbell, Brush Block Options (was p/n 70001385):	
19D	70004170	1	Endbell, Brush Block Caterpillar Engine Machines	
19D	70004169	1	Endbell, Brush Block Deutz Engine Machines	
19E	70004170	1	Shroud Caterpillar Engine (was p/ns 70001970 & 70001971)	
19E	70004169	1	Shroud Deutz Engine (was p/n 70002290)	
19E	7027799	1	Block, Connector 6 Position (Not Shown)	
19E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
19E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
19E	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
19E	7026597	1	Connector, with Leads (Not Shown)	
19E	7026626	1	Housing Plug and Pins (Not Shown)	
19E	7026188	1	Clamp, Cable (Not Shown)	
19E	70003708	1	Retaining Ring Internal (Not Shown)	
19E	70003709	1	Retaining Ring External (Not Shown)	
19E	70004170	1	Plate, End Panel Caterpillar Engine (was p/n 70001972)	
19E	70004169	1	Plate, End Panel Deutz Engine (was p/n 70002255)	
19E	70001974	1	Decal - Terminal Connections	
19F	70001973	1	Decal - Warning Moving Parts	
20	0641808	AR	Bolt 1/2in-13NC x 1in	
22	0902888	1	Bracket, Box Mounting	
23	4711800	AR	Flatwasher 1/2in Thin	
23	4891800	AR	Flatwasher 1/2in Harded	
24	4711400	AR	Flatwasher 1/4in Thin	
24	4751400	AR	Flatwasher 1/4in Regular	
24	4761400	AR	Lockwasher 1/4in	
25	0641404	AR	Bolt 1/4in-20NC x 1/2in	
25	0641405	AR	Bolt 1/4in-20NC x 5/8in	
25	0641408	AR	Bolt 1/4in-20NC x 1in	
26		Ref	Shield Options:	
26	Not Required	1	Shield Caterpillar Engine	
26	4061049	1	Shield Deutz Engine	
27	4751400	2	Flatwasher 1/4in Regular	
28	1320224	NLA	Clamp (Use p/n 1320318)	
29	4240018	AR	Tie-Strap (Not Shown)	
30	4791400	AR	Starwasher 1/4in	
31	0641403	1	Bolt 1/4in-20NC x 3/8in	
32	3740080	2	Relay	
33	0100019	AR	Compound, Locking	
34	4460051	1	Connector, Strain Relief - 60Hz	
34	See Note	NLA	Connector, Strain Relief - 50Hz (Note: Not Available - Purchase Locally)	
35	4460071	1	Connector, Strain Relief - 60Hz	
35	See Note	NLA	Connector, Strain Relief - 50Hz (Note: Not Available - Purchase Locally)	
36	0480129	1	Belt, Drive - 60Hz	
36	0480125	1	Belt, Drive - 50Hz Caterpillar Engine	
36	0480126	1	Belt, Drive - 50Hz Deutz Engine	
37	0700815	4	Bolt M8 x 35mm (Caterpillar Engine)	
37	4032015	4	Bolt M10 x 55mm (Deutz Engine)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	4300157	1	Stud	
39	3311801	1	Nut 1/2in-13NC	
40	0100062	1	Loctite (Not Shown)	
41	2820031	1	Insulator	
42	0962520	1	Bushing, Split Taper	
43	3931632	1	Bolt 3/8in-16NC x 2in (Caterpillar Engine)	
43	0641618	1	Bolt 3/8in-16NC x 2-1/4in (Deutz Engine)	
44	3580317	1	Tensioner, Belt	
45	3580318	1	Pulley - 60Hz Generator (was p/n 7024563)	
45	3580319	1	Pulley - 50Hz Generator (was p/n 7026187)	
46		Ref	Pulley Options:	
46	3580321	1	Pulley Caterpillar Engine	
46	3580320	1	Pulley Deutz Engine	
47	4711600	1	Flatwasher 3/8in Thin	
48	4922925	1	Harness, Generator	
49	0861538	1	Control Box Assembly - 60Hz (was p/n 7024487)	
49	0861572	1	Control Box Assembly - 50Hz (was p/n 7024487)	
49	7024488	1	Card, Circuit - Generator Power	
49	See Note	1	Fuse (Note: Not Available - Purchase Locally)	
49	7024489	1	Card, Circuit - Control	
49	70000619	1	Harness, Control Box (Internal)	
60	4811900	4	Flatwasher M8 (Caterpillar Engine Only)	
		Ref	**JUNCTION BOX ASSEMBLY**	
	0861542	Ref	**60HZ SPECS**	C
	0861567	Ref	**50Hz Specs**	B
101	0861541	1	Box, Junction	
102	1060494	2 ft/ 0.6m	Cable, ELECTRICAL 12/3 - 60Hz Spec	
102	See Note	2 ft/ 0.6m	Cable, ELECTRICAL 12/3 - 50Hz Spec (Note: Not Available - Purchase Locally)	
103	1060708	2.5 ft/ 0.76m	Cable, Electrical 10/3 - 60Hz Spec	
103	See Note	2.5 ft/ 0.76m	Cable, Electrical 10/3 - 50Hz Spec (Note: Not Available - Purchase Locally)	
104	1705376	1	Decal - Wiring Schematic	
105	3300396	1	Cover, Fuse	
106	3310601	2	Nut #6-32NC	
107	1060343	1.5 ft /0.46m	Cable, Electrical 10/4 (60Hz Spec Only)	
108		Ref	Rail, Relay Options:	
108	3640986	1	Rail, Relay **(SN 0300068000 through 0300072912)**	
108	3641533	1	Rail, Relay **(SN 0300072913 through 0300087000)**	
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	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
120	4460957	7	Terminal, Block	
121	4750600	4	Flatwasher, #6 Regular	
122	4760600	2	Lockwasher #6	
125	1671092	1	Cover	
126	4460963	1	Connector	
127	4461001	2	Cross Connector - 2 Position **(SN 0300072913 through 0300087000)**	
		Ref	**DECAL INSTALLATION**	
	0272435	Ref	**60Hz Specs**	A
	0272589	Ref	**50Hz Specs**	A
201	1705460	2	Decal - SkyPower	
202	1705374	1	Decal - 240V - 60Hz (60Hz Spec Only)	
203	1705375	1	Decal - 240V - 3 Phase - 60Hz Spec	
203	1705461	1	Decal - 240V - 3 Phase - 50Hz Spec	
204	1705387	3	Decal, Hazardous Voltage - 60Hz Spec	
204	1705489	3	Decal, Hazardous Voltage - 50Hz Spec	
	4933264	Ref	**ELECTRICAL DIAGRAM COMPONENTS**	C
301	4922757	1	Generator Harness	3-C
301A	4460374	2	Plug, Sealed Relay	
301A	4460375	7	Terminal	
301B	4460967	1	Plug, Male - 3 Position	
301B	4460465	3	Socket, Female	
301C	2400060	1	Fuseholder (Not Shown)	
301C	2400064	1	Fuse - 5 Amp (Not Shown)	
304	4922641	1	Switch Harness	

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

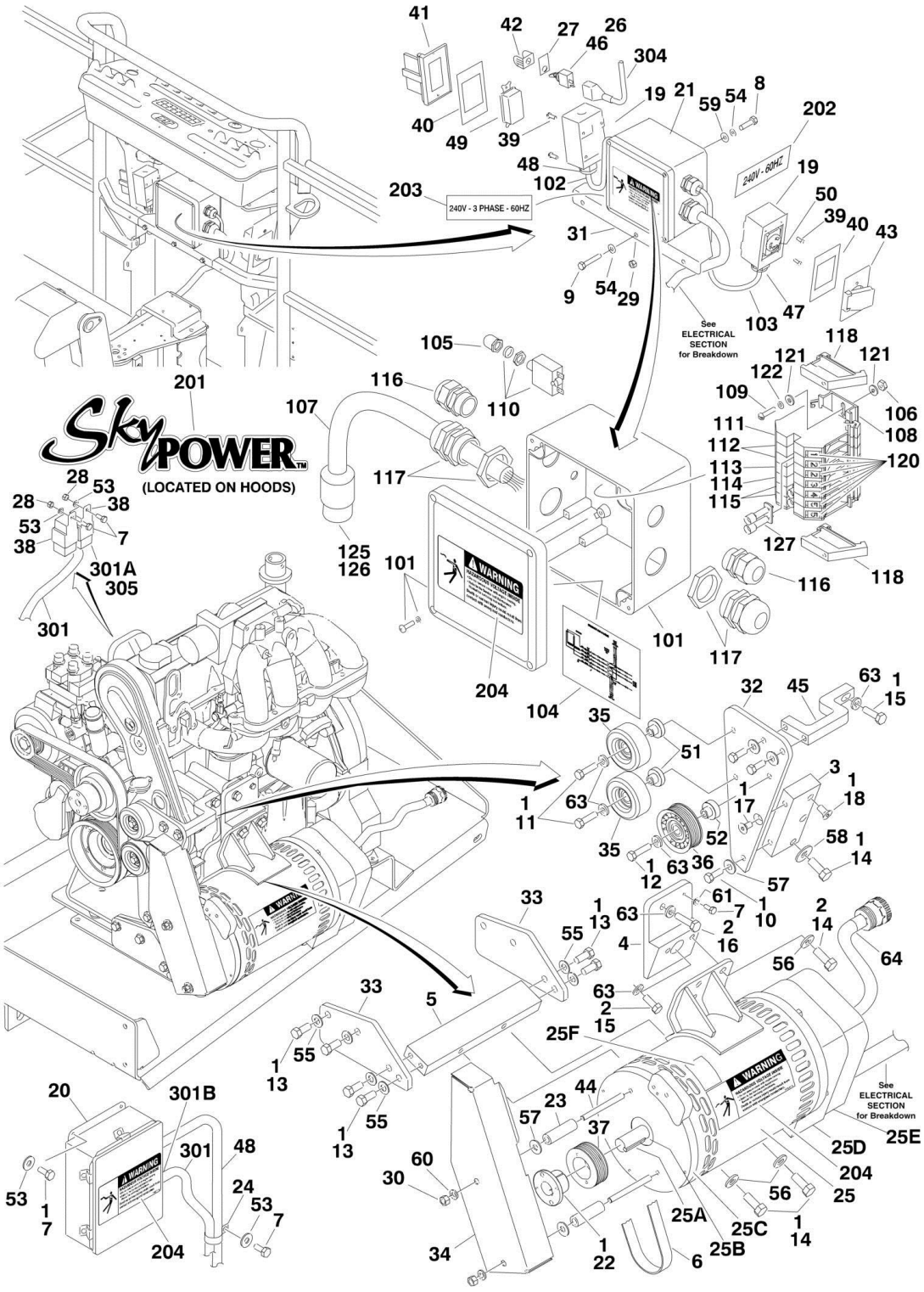


FIGURE 2-28. 7500W SKYPOWER GENERATOR INSTALLATION - FORD ENGINES (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272817	Ref	**7500W SKYPOWER GENERATOR INSTALLATION (OPTIONAL)**	F
		Ref	**Note: See ELECTRICAL SECTION for Boom Cable Installation.**	
1	0100011	AR	Compound, Locking	
2	0100019	AR	Compound, Locking	
3	0363097	1	Bar, Pulley Mount	
4	0363201	1	Bar, Generator Mount (Top)	
5	0363202	1	Bar, Generator Mount (Bottom)	
6	0480130	1	Belt, Generator	
7	0641405	8	Bolt 1/4in-20NC x 5/8in	
8	0641505	4	Bolt 5/16in-18NC x 5/8in	
9	0641516	3	Bolt 5/16in-18NC x 2in	
10	0641608	3	Bolt 3/8in-16NC x 1in	
11	0641611	2	Bolt 3/8in-16NC x 1-3/8in	
12	0641612	1	Bolt 3/8in-16NC x 1-1/2in	
13	0641708	8	Bolt 7/16in-14NC x 1in	
14	0641810	5	Bolt 1/2in-13NC x 1-1/4in	
15	0701015	2	Bolt M10 x 35mm	
16	0701016	1	Bolt M10 x 40mm	
17	0741606	1	Screw, Flathead Countersunk 3/8in-16NC x 3/4in	
18	0741808	1	Screw, Flathead Countersunk 1/2in-13NC x 1in	
19	0860038	2	Box, Switch	
20	0861538	1	Control Box Assembly (was p/n 7024487)	
20	7024488	1	Card, Circuit - Generator Power	
20	See Note	NSS	Fuse (Note: Not Available - Purchase Locally)	
20	7024489	1	Card, Circuit - Control	
20	70000619	1	Harness, Control Box (Internal)	
21	0861542	1	Junction Box Assembly (See Items 201-222 for Breakdown)	
22	0962520	1	Bushing, Split Taper	
23	0962521	2	Spacer, Tube	
24		Ref	Clamp Options:	
24	1320041	1	Clamp 1/2in **(SN 0300068000 through 0300080689)**	
24	1320224	1	Clamp 5/8in **(SN 0300080690 through 0300087000)**	
25	2460048	1	Generator Assembly	
25	70001100	1	Rotor (Includes p/n 70001384 & 70000863) (Not Shown)	
25	70001384	1	Bearing, Ball Radial (Not Shown)	
25	70000863	1	Fan (Not Shown)	
25	70002088	1	Stator Options (Not Shown)	
25	70002297	1	Stud	
25	70003631	1	Brushholder Assembly (Not Shown) (was p/n 7024484)	
25A	70004171	1	Key (was p/n 7024561)	
25B	70001966	1	Bearing, Ball Radial (Located in Belt Tensioner Endbell)	
25C	70001953	1	Endbell, Belt Tensioner	
25D	70004169	1	Endbell, Brush Block (was p/n 70001385)	
25E	70004169	1	Shroud (was p/n 70002290)	
25E	7027799	1	Block, Connector 6 Position (Not Shown)	
25E	70002460	1	Nut, Brass (Attaches p/n 7027799 to Cover) (Not Shown)	
25E	7024485	1	Breaker, Circuit 30Amp (Not Shown)	
25E	70001696	1	Boot, Breaker (was p/n 7024486 - Not Shown)	
25E	7026597	1	Connector, with Leads (Not Shown)	
25E	7026626	1	Housing Plug and Pins (Not Shown)	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
25E	7026188	1	Clamp, Cable (Not Shown)	
25E	70004169	1	Plate, End Panel (was p/n 70002255)	
25E	70001974	1	Decal - Terminal Connections	
25F	70001973	1	Decal - Warning Moving Parts	
26	2820031	1	Insulator	
27	3252764	1	Nameplate	
28	3311405	6	Locknut 1/4in-20NC	
29	3311505	3	Locknut 5/16in-18NC	
30	3311601	2	Nut 3/8in-16NC	
31	0902888	1	Bracket, Box Mounting	
32	3574225	1	Plate, Pulley Mounting	
33	3574229	2	Plate, Gusset Generator Mounting	
34	3574262	1	Plate, Shield	
35	3580312	2	Pulley, Idler	
36	3580313	1	Pulley, Idler Grooved	
37	3580314	1	Pulley, Drive Grooved	
38	3740080	2	Relay	
39	3910606	8	Screw #6-32NC x 3/8in	
40	3960422	2	Gasket	
41	4060700	1	Cover, Receptacle	
42	4060802	1	Guard, Switch	
43	4061043	1	Cover, Receptacle	
44	4300111	2	Stud, Chain Assembly	
45	4340738	1	Support, Idler Pulley Mount	
46	4360336	1	Switch, Toggle	
47	4460051	1	Connector, Strain Relief	
48	4460071	1	Connector, Strain Relief	
49	4460346	1	Receptacle	
50	4460958	1	Receptacle, Female Twist-Lock	
51	4568734	2	Tube, Spacer Pulley	
52	4568735	1	Tube, Spacer Pulley Grooved	
53	4711400	11	Flatwasher 1/4in Thin	
54	4711500	10	Flatwasher 5/16in Thin	
55	4711700	8	Flatwasher 7/16in Thin	
56	4711800	4	Flatwasher 1/2in Thin	
57	4751600	5	Flatwasher 3/8in Regular	
58	4751800	1	Flatwasher 1/2in Regular	
59	4761500	4	Lockwasher 5/16in	
60	4761600	2	Lockwasher 3/8in	
61	4791400	1	Starwasher 1/4in	
63	4891600	6	Flatwasher 3/8in Hardened	
64	4922925	1	Harness, Generator	
	0861542	Ref	**JUNCTION BOX ASSEMBLY**	C
101	0861541	1	Box, Junction	
102	1060494	2 ft/0.6m	Cable, Electrical 12/3	
103	1060708	2.5 ft /0.76m	Cable, Electrical 10/3	
104	1705376	1	Decal - Wiring Schematic	
105	3300396	1	Cover, Fuse	
106	3310601	2	Nut #6-32NC	
107	1060343	1.5 ft /0.46m	Cable, Electrical 10/4	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
108		Ref	Rail, Relay Options:	
108	3640986	1	Rail, Relay **(SN 0300068000 through 0300072912)**	
108	3641533	1	Rail, Relay **(SN 0300072913 through 0300087000)**	
109	3910610	2	Bolt #6-32NC x 5/8in	
110	4360070	1	Circuit Breaker - 15 Amp	
111	4460411	2	Marker Strip #1	
112	4460412	4	Marker Strip #2	
113	4460413	2	Marker Strip #3	
114	4460414	2	Marker Strip #4	
115	4460415	4	Marker Strip #5	
116	4460425	2	Strain Relief, Terminal	
117	4460426	2	Connector, Strain Relief	
118	4460607	2	Terminal, End Stop	
119	4460956	1	Terminal, Block End	
120	4460957	7	Terminal, Block	
121	4750600	4	Flatwasher, #6 Regular	
122	4760600	2	Lockwasher #6	
125	1671092	1	Cover	
126	4460963	1	Connector	
127	4461001	2	Cross Connector - 2 Position **(SN 0300072913 through 0300087000)**	
	0272435	Ref	**DECAL INSTALLATION**	A
201	1705460	2	Decal - SkyPower	
202	1705374	1	Decal - 240V - 60Hz	
203	1705375	1	Decal - 240V - 3 Phase	
204	1705387	3	Decal, Hazardous Voltage	
	4933283	Ref	**ELECTRICAL DIAGRAM COMPONENTS**	1-A
301	4922905	1	Generator Harness	2-B
301A	4460374	2	Plug, Sealed Relay	
301A	4460375	7	Terminal	
301B	4460967	1	Plug, Male - 3 Position	
301B	4460465	3	Socket, Female	
301C	2400060	2	Fuseholder (Not Shown)	
301C	2400064	2	Fuse - 5 Amp (Not Shown)	
304	4922641	1	Switch Harness	
305	4460375	1	Terminal	

FIGURE 2-29. SKYAIR COMPRESSOR INSTALLATION

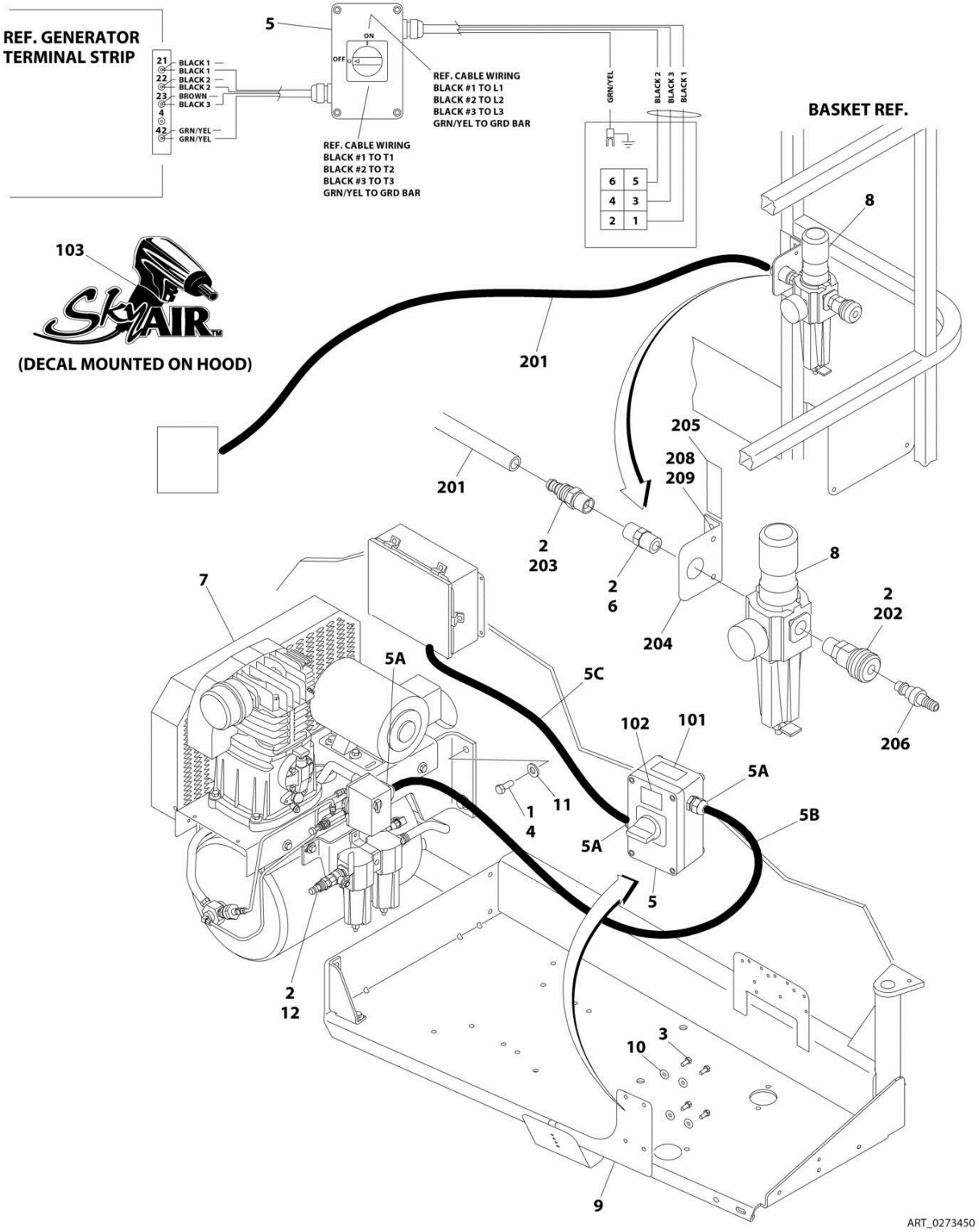
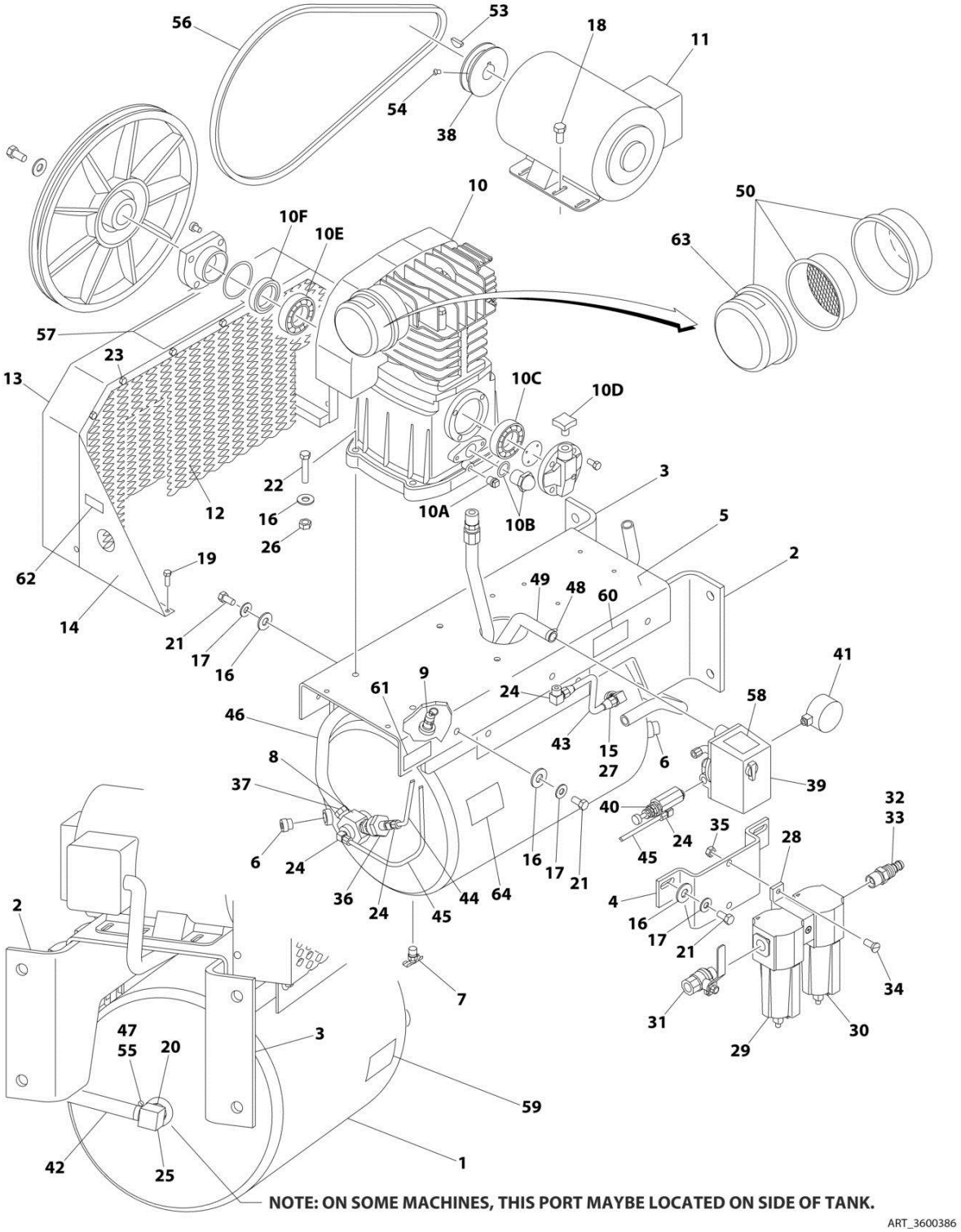


FIGURE 2-29. SKYAIR COMPRESSOR INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273450	Ref	**SKYAIR COMPRESSOR INSTALLATION**	B
1	0100019	AR	Compound, Locking	
2	0100020	AR	Sealant #567	
3	0641506	4	Bolt 5/16 x 3/4	
4	0641810	4	Bolt 1/2 x 1-1/4	
5	0861642	1	Control Box Assembly	
5A	4460633	3	Connector, Strain Relief	
5B	70002948	AR	Cable, Electrical - 12/4	
5C	70002948	AR	Cable, Electrical - 12/4	
6	2220252	1	Fitting, Adapter	
7	3600386	1	Compressor, Assembly (See COMPRESSOR ASSEMBLY for Breakdown)	
8	3720021	1	Filter/Regulator Assembly	
8	7027781	1	Service Kit (Includes Gaskets and Seals)	
8	7027782	1	Filter	
8	7027784	1	Gauge	
8	7027783	1	Valve, Drain	
9	4340749	1	Bracket, Control Box	
10	4751500	4	Washer 5/16	
11	4751800	4	Washer 1/2	
12	2220750	1	Fitting	
	0273687	Ref	**DECAL INSTALLATION**	A
101	1705836	1	Decal - Hazard Voltage	
102	1705837	1	Decal - Air Compressor	
103	1705886	2	Decal - SkyAir	
		Ref	**AIRLINE INSTALLATION**	
	0255388	Ref	600S	2
	0255389	Ref	660SJ	2
201	2753942	1	Hose (600S)	
201	2753943	1	Hose (660SJ)	
202	2220747	1	Fitting	
203	2220750	1	Fitting	
204	0902317	1	Bracket	
205	3251158	2	Decal - Airline	
206	2220829	1	Fitting	
207	1320044	1	Clamp (Not Shown - Located on Turntable)	
208	2080040	2	Fastener	
209	2080046	1	Fastener, Nut	
211	4711400	1	Washer 1/4 (Not Shown - Located on Turntable)	
213	0641406	1	Bolt 1/4 x 3/4 (Not Shown - Located on Turntable)	

FIGURE 2-30. AIR COMPRESSOR ASSEMBLY



ART_3600386

FIGURE 2-30. AIR COMPRESSOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600386	Ref	**AIR COMPRESSOR ASSEMBLY**	B
1	7026632	1	Tank	
2	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
3	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
4	See Note	1	Bracket, Regulator Mounting (Note: Not Available for Purchase)	
5	See Note	1	Deck (Note: Not Available for Purchase)	
6	See Note	2	Plug (Note: Not Available for Purchase)	
7	7026633	1	Valve, Drain	
8	7026634	1	Valve, Check	
9	7026635	1	Valve, Safety	
10	7026636	1	Pump Assembly	
10	7026659	1	Gasket and Seal Kit	
10A	7026651	1	Plug, Oil Drain	
10B	7026652	1	Gauge, Oil Sight	
10C	7026653	1	Bearing	
10D	7026654	1	Cap, Oil Fill	
10E	7026655	1	Bearing	
10F	7026656	1	Seal	
11	7026637	1	Motor Assembly	
11	See Note	1	Brush Kit (Note: Not Available for Purchase)	
12	See Note	1	Screen, Inner (Note: Not Available for Purchase)	
13	See Note	1	Guard, Belt (Note: Not Available for Purchase)	
14	See Note	2	Support (Note: Not Available for Purchase)	
15	See Note	1	Bushing (Note: Not Available for Purchase)	
16	4751600	18	Washer 3/8	
17	4761600	10	Washer 3/8	
18	0641506	4	Bolt 5/16 x 3/4	
19	0641406	8	Bolt 1/4 x 3/4	
20	See Note	1	Bushing (Note: Not Available for Purchase)	
21	0641610	10	Bolt 3/8 x 1-1/4	
22	0641616	4	Bolt 3/8 x 2	
23	See Note	10	Bolt 1/4 x 1/2 (Note: Not Available for Purchase)	
24	See Note	4	Fitting (Note: Not Available for Purchase)	
25	See Note	1	Fitting, Barbed (Note: Not Available for Purchase)	
26	3311605	4	Nut 3/8	
27	See Note	1	Fitting, Compression (Note: Not Available for Purchase)	
28	See Note	1	Bracket, Mounting (Note: Not Available for Purchase)	
29	7026660	1	Filter, Oil Removal	
30	7026661	1	Filter, Water Removal	
31	70001663	1	Valve, Ball Shut-Off	
32	See Note	1	Bushing (Note: Not Available for Purchase)	
33	See Note	1	Fitting, Barbed (Note: Not Available for Purchase)	
34	See Note	2	Screw 1/4 x 1 (Note: Not Available for Purchase)	
35	3311405	2	Nut 1/4	
36	See Note	1	Unloader (Note: Not Available for Purchase)	
37	See Note	1	Fitting (Note: Not Available for Purchase)	
38	See Note	1	Pulley (Note: Not Available for Purchase)	
39	7026638	1	Switch, Pressure	
40	7026639	1	Valve, Pilot	
41	7026640	1	Gauge	

SECTION 2 - TURNTABLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
42	See Note	1	Hose (Note: Not Available for Purchase)	
43	See Note	1	Tube, Feed (Note: Not Available for Purchase)	
44	See Note	1	Tube (Note: Not Available for Purchase)	
45	See Note	1	Tube (Note: Not Available for Purchase)	
46	See Note	1	Aftercooler (Note: Not Available for Purchase)	
47	See Note	2	Clamp (Note: Not Available for Purchase)	
48	See Note	2	Clamp (Note: Not Available for Purchase)	
49	See Note	1	Harness, Wiring (Note: Not Available for Purchase)	
50	7026658	1	Filter Assembly	
50	7026641	1	Element, Filter	
51	See Note	23 oz	Oil, Compressor (Note: Not Available for Purchase)	
52	0100020	AR	Sealant	
53	See Note	1	Key (Note: Not Available for Purchase)	
54	See Note	2	Setscrew (Note: Not Available for Purchase)	
55	See Note	2	Cover, Clamp End (Note: Not Available for Purchase)	
56	7026642	1	Belt	
57	7026643	1	Decal - Unit Warning	
58	7026644	1	Decal - Pressure Switch Warning	
59	7026645	1	Decal - Drain Tank Warning	
60	7026646	1	Decal - Compressor Maintenance	
61	7026647	1	Decal - Initial Oil Fill	
62	7026648	1	Decal - Hot Surfaces Warning	
63	7026649	1	Decal - Paper Element Cleaning	
64	7026650	1	Decal - Dual Control	

SECTION 3 - BOOM

FIGURE 3-1. BOOM INSTALLATION - 600S

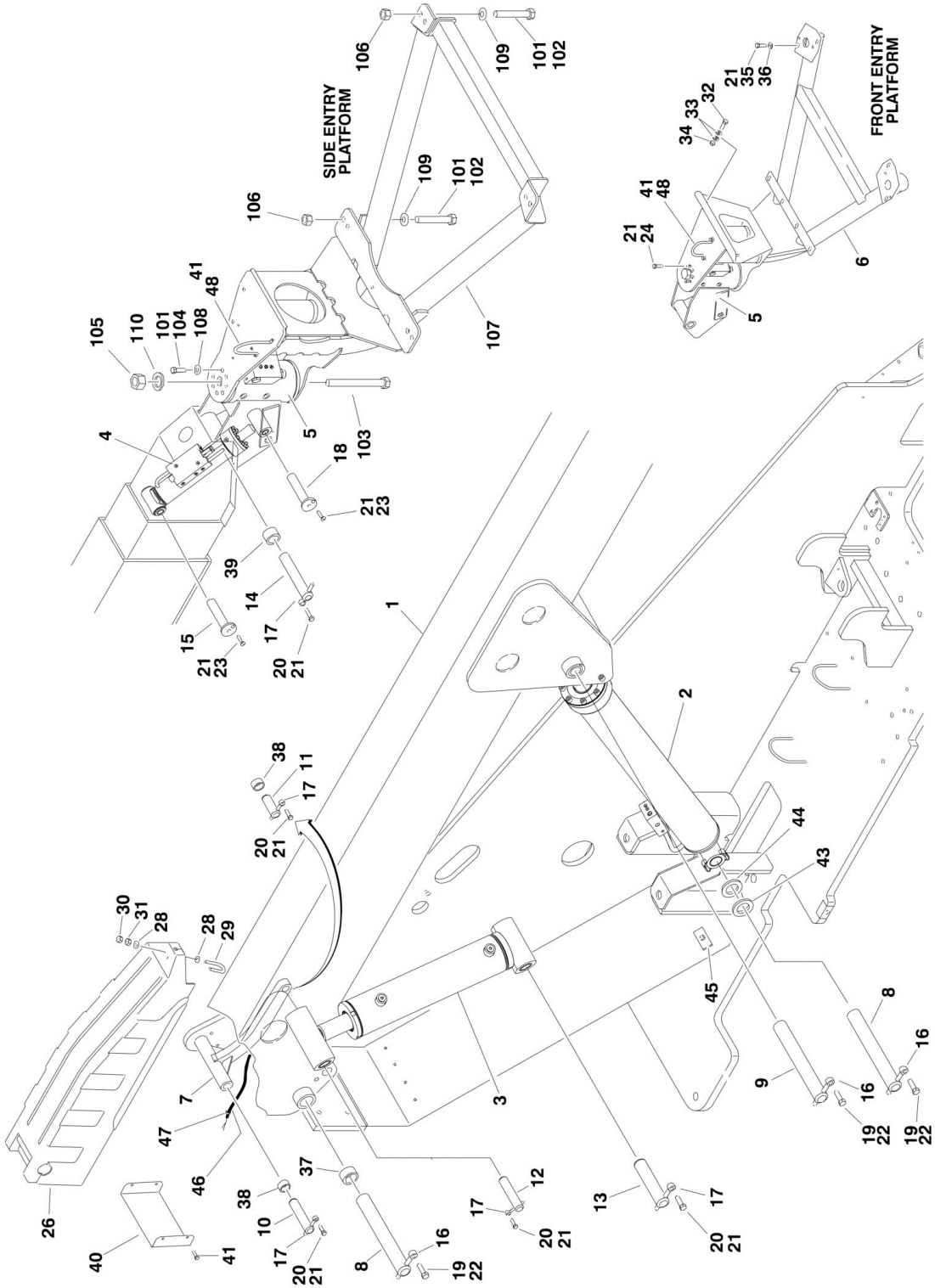
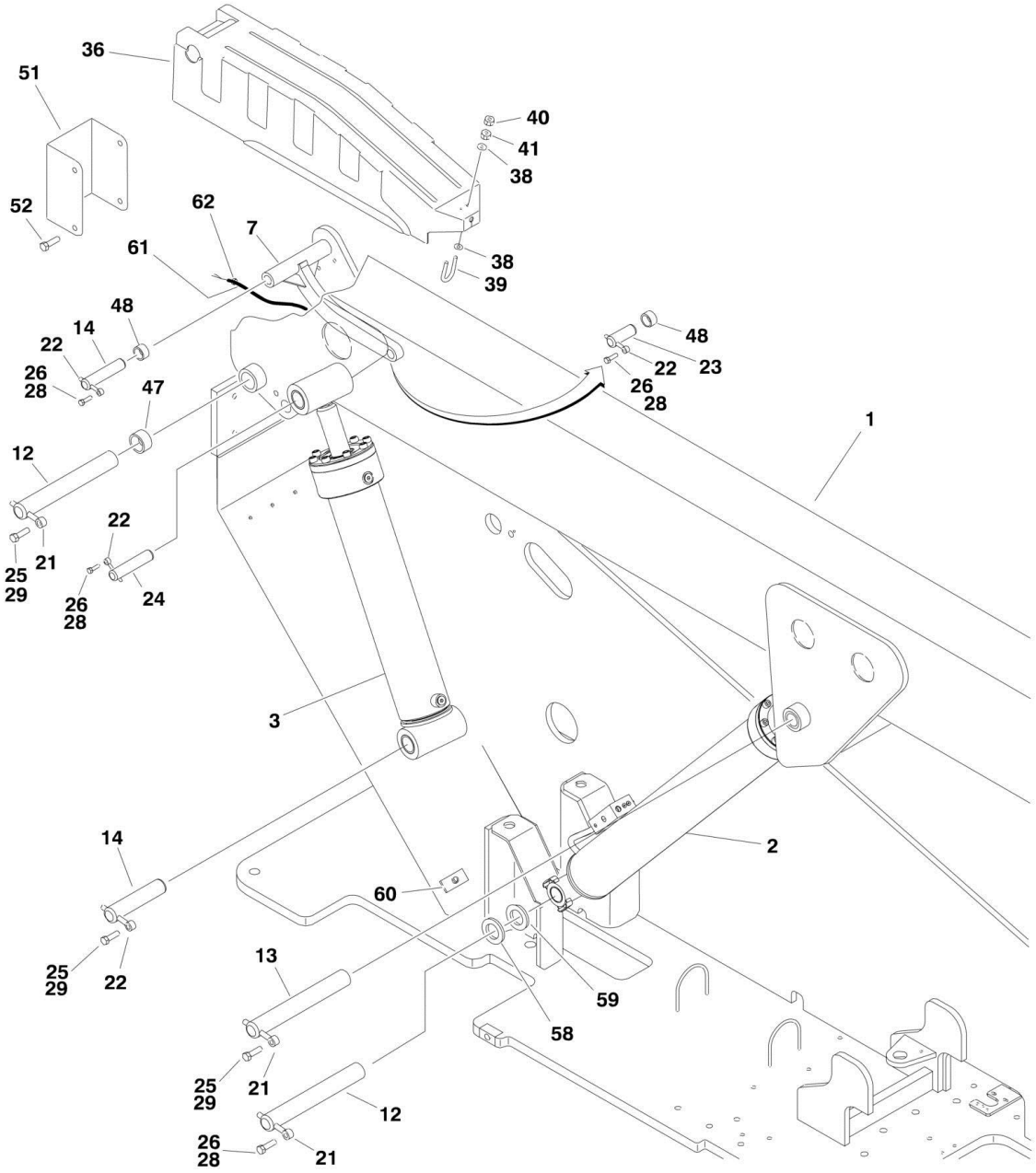


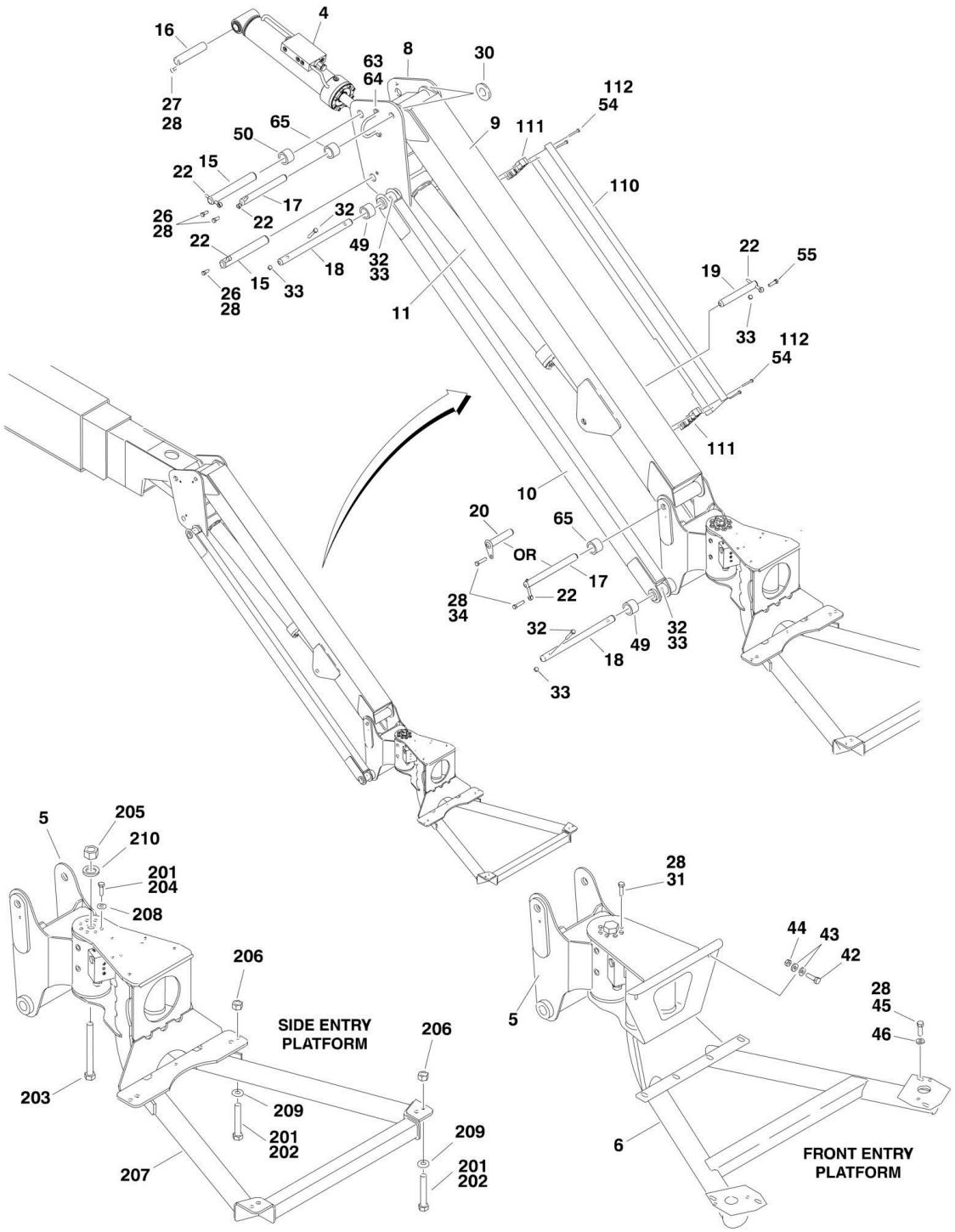
FIGURE 3-1. BOOM INSTALLATION - 600S

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**BOOM AND CYLINDERS INSTALLATION**	
	0256318	Ref	**Boom and Cylinders Installation 600S (Front Entry Platform Machines)**	6
	0272133	Ref	**Boom and Cylinders Installation 600S (Side Entry Platform Machines) (SN 0300068000 through 0300073985)**	2
	0273369	Ref	**Boom and Cylinders Installation 600S (Side Entry Platform Machines) (SN 0300073986 through 0300087000)**	1
1		Ref	Boom Assembly - 600S Options (See MAIN BOOM ASSEMBLIES for Breakdown):	
1	0801009	1	Boom Assembly - 600S **(SN 0300068000 through 0300073985)**	
1	0801381	1	Boom Assembly - 600S **(SN 0300073986 through 0300087000)**	
2		Ref	Boom Lift Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
2	1683275	1	Boom Lift Cylinder Assembly (Original Equipment) **(SN 0300068000 through 0300070974)**	
2	1683666	NLA	Boom Lift Cylinder Assembly (Use p/n 1001112468) (Original Equipment) **(SN 0300070975 through 0300087000)**	
2	1001112468	NLA	Boom Lift Cylinder Assembly (Service Replacement)	
3		Ref	Master Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
3	1683266	NLA	Master Cylinder Assembly (Use p/n 1001228002) (Original Equipment)	
3	1001228002	1	Master Cylinder Assembly (Service Replacement)	
4		Ref	Platform Level Cylinder Assembly Options See CYLINDER SECTION for Breakdown):	
4	1683415	NLA	Platform Level Cylinder Assembly (Use p/n 1001228008) (Original Equipment)	
4	1001223512	NLA	Platform Level Cylinder Assembly (Use p/n 1001228008) (Service Replacement)	
4	1001228008	1	Platform Level Cylinder Assembly (Service Replacement)	
5		Ref	Rotator Assembly Options:	
5	0060075	1	Rotator Assembly Front Entry Platform (p/n was 0060034) (See ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM) for Breakdown)	
5	0060067	1	Rotator Assembly Side Entry Platform (See ROTATOR ASSEMBLIES (SIDE ENTRY PLATFORM) for Breakdown)	
6		Ref	Support, Platform Options:	
6	4844790	1	Support, Platform Front Entry Platform	
6	See Note	Ref	Support, Platform Side Entry Platform (Note: See Items 101-110)	
7	4844944	NLA	Link, Push (Use p/n 1001094043)	
8	3422564	2	Pin (Cylinder Pivot - T/T End and Boom Pivot)	
9	3422568	1	Pin (Lift Cylinder Pivot - Boom End)	
10	3422566	1	Pin (Link - T/T End)	
11	3422557	1	Pin (Link - Boom End)	
12	3422567	1	Pin (Master Cylinder - Boom End)	
13	3422565	1	Pin (Master Cylinder - T/T End)	
14	3422562	1	Pin (Rotator)	
15	3422569	1	Pin (Level Cylinder - Boom End)	
16	3841258	3	Keeper, Pin	
17	3841143	5	Keeper, Pin	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	3422580	1	Pin (Level Cylinder - Rotator End)	
19	0642012	3	Bolt 5/8in-11NC x 1-1/2in	
20	0641608	5	Bolt 3/8in-16NC x 1in	
21	0100011	AR	Compound, Locking	
22	0100019	AR	Compound, Locking	
23	0741607	2	Screw, Countersunk 3/8in-16NC x 7/8in	
24	0641810	6	Bolt 1/2in-13NC x 2-1/2in (Front Entry Platform)	
26	1671055	1	Cover, Boom	
28	4751400	4	Flatwasher 1/4in Regular	
29	0630458	1	U-Bolt	
30	3311402	4	Nut, Jam 1/4in-20NC	
31	3311401	2	Locknut 1/4in-20NC	
32	0641820	4	Bolt 1/2in-13NC x 2-1/2in (Front Entry Platform)	
33	4711800	8	Flatwasher 1/2in Thin (Front Entry Platform)	
34	3311805	4	Locknut 1/2in-13NC (Front Entry Platform)	
35	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8) (Front Entry Platform)	
36	4711600	4	Flatwasher 3/8in Thin (Front Entry Platform)	
37	0961950	2	Bushing	
38	0962006	3	Bushing	
39	0961951	2	Bushing	
40	3539563	1	Cover	
41	0641604	6	Bolt 3/8in-16NC x 1/2in	
43	4740314	AR	Thrustwasher	
44	4740158	AR	Thrustwasher	
45	1320235	1	Clamp, Staff	
46	4100033	2 ft/.3m	Sleeve	
47	4240033	2	Tie-Strap	
48	3841340	1	Loop, Hose	
		Ref	**SUPPORT INSTALLATIONS (SIDE ENTRY PLATFORM)**	
	0272070	Ref	**Machines without Load Sensing and without SkyGlazier**	C
	See Note	Ref	**Machines without Load Sensing and with SkyGlazier (Note: For CE Spec Machines Refer to JLG Supplement p/n 3124242 for Components)**	
	See Note	Ref	**Machines with Load Sensing and without SkyGlazier (Note: For CE Spec Machines Refer to JLG Supplement p/n 3124287 for Components)**	
	See Note	Ref	**Machines with Load Sensing and with SkyGlazier (Note: For CE Spec Machines Refer to JLG Supplement p/n 3124287 for Components)**	
101	0100011	AR	Compound, Locking	
102	0641812	8	Bolt 1/2in-13NC x 1-1/2in	
103	0642684	1	Bolt 1in-8NC x 10-1/2in	
104	0681608	8	Bolt 3/8in-16NC x 1in (Grade 8)	
105	3272605	1	Locknut 1in-8NC	
106	3311805	8	Locknut 1/2in-13NC	
107	4846573	1	Support, Platform	
108	4891600	8	Flatwasher 3/8in Hardened	
109	4891800	8	Flatwasher 1/2in Hardened	
110	4892600	1	Flatwasher 1in Hardened	

FIGURE 3-2. BOOM INSTALLATION - 600SJ & 660SJ

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PLATFORM
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FRONT ENTRY
PLATFORM

FIGURE 3-2. BOOM INSTALLATION - 600SJ & 660SJ

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**BOOM AND CYLINDERS INSTALLATIONS**	
	0271320	Ref	**Boom and Cylinders Installation 600SJ (Front Entry Platform Machines)**	3
	0272139	Ref	**Boom and Cylinders Installation 600SJ (Side Entry Platform Machines)**	3
	0271319	Ref	**Boom and Cylinders Installation 660SJ (Front Entry Platform Machines)**	3
	0272137	Ref	**Boom and Cylinders Installation 660SJ (Side Entry Platform Machines)**	3
1		Ref	Boom Assembly Options: (See MAIN BOOM ASSEMBLIES for Breakdown)	
1	0801035	1	Boom Assembly 600SJ **(SN 0300068000 through 0300073985)**	
1	0801389	1	Boom Assembly 600SJ **(SN 0300073986 through 0300087000)**	
1	0801010	1	Boom Assembly 660SJ **(SN 0300068000 through 0300073985)**	
1	0801388	1	Boom Assembly 660SJ **(SN 0300073986 through 0300087000)**	
2		Ref	Boom Lift Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
2	1683275	1	Boom Lift Cylinder Assembly (Original Equipment) **(SN 0300068000 through 0300070974)**	
2	1683666	NLA	Boom Lift Cylinder Assembly (Use p/n 1001112468) (Original Equipment) **(SN 0300070975 through 0300087000)**	
2	1001112468	NLA	Boom Lift Cylinder Assembly (Service Replacement)	
3		Ref	Master Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
3	1683263	NLA	Master Cylinder Assembly (Use p/n 1001228052) (Original Equipment)	
3	1001228052	1	Master Cylinder Assembly (Service Replacement)	
4		Ref	Platform Level Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	
4	1683418	NLA	Platform Level Cylinder Assembly (Original Equipment) (Use p/n 1001228051)	
4	1001223331	NLA	Platform Level Cylinder Assembly (Use p/n 1001228051) (Service Replacement)	
4	1001228051	1	Platform Level Cylinder Assembly (Service Replacement)	
5		Ref	Rotator Assembly Options:	
5	0060031	NLA	Rotator Assembly Front Entry Platform (See ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM) for Breakdown) (Use Kit p/n 1001103095 - Includes p/n 0060074 actuator, attaching pin and hardware)	
5	0060066	1	Rotator Assembly Side Entry Platform (See ROTATOR ASSEMBLIES (SIDE ENTRY PLATFORM) for Breakdown)	
6		Ref	Support, Platform Options:	
6	4844790	1	Front Entry Platform	
6	See Note	1	Side Entry Platform (Note: See Items 201-210)	
7	4844944	NLA	Link, Push (Use p/n 1001094043)	
8	4844815	1	Pivot	
9	4844816	1	Tube (Top)	
10	4844817	2	Tube (Bottom)	
11		Ref	Articulating Jib Lift Cylinder Assembly Options (See CYLINDER SECTION for Breakdown):	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
11	1683258	1	Articulating Jib Lift Cylinder Assembly (Original Equipment) **(SN 0300068000 through 0300070974)**	
11	1683609	NLA	Articulating Jib Lift Cylinder Assembly (Original Equipment) (Use p/n 1001228012) **(SN 0300070975 through 0300087000)**	
11	1001228012	1	Articulating Jib Lift Cylinder Assembly (Service Replacement)	
12	3422564	2	Pin (Boom Pivot and Lift Cylinder Pivot - T/T End)	
13	3422568	1	Pin (Boom Lift Cylinder - Boom End)	
14	3422566	2	Pin (Link - T/T End and Master Cylinder - T/T End)	
15	3422561	2	Pin (Articulating Jib Cylinder - Pivot End and Pivot - Boom End)	
16	3422583	1	Pin (Articulating Jib Level Cylinder - Boom End)	
17	3422860	2	Pin (Top Tube - Pivot End)	
18	3422861	2	Pin (Bottom Tube - Both Ends)	
19	3422867	1	Pin (Articulating Jib Lift Cylinder - Top Tube End)	
20	3422563	1	Pin (Top Tube - Rotator End)	
21	3841258	3	Keeper, Pin	
22	3841143	9	Keeper, Pin	
23	3422557	1	Pin (Link - Boom)	
24	3422574	1	Pin (Master Cylinder - Boom End)	
25	0642012	3	Bolt 5/8in-11NC x 1-1/2in	
26	0641608	7	Bolt 3/8in-16NC x 1in	
27	0741607	1	Screw, Countersunk 3/8in-16NC x 7/8in	
28	0100011	AR	Compound, Locking	
29	0100019	AR	Compound, Locking	
30	4740439	2	Thrustwasher	
31	0641810	6	Bolt 1/2in-13NC x 1-1/4in (Front Entry Platform)	
32	0641618	4	Bolt 3/8in-16NC x 2-1/4in	
33	3311605	5	Locknut 3/8in-16NC	
34	0641614	1	Bolt 3/8in-16NC x 1-3/4in	
36	1671055	1	Cover, Boom	
38	4751400	4	Flatwasher 1/4in Regular	
39	0630458	1	U-Bolt	
40	3311402	4	Nut, Jam 1/4in-20NC	
41	3311402	2	Locknut 1/4in-20NC	
42	0641820	4	Bolt 1/2in-13NC x 2-1/2in (Front Entry Platform)	
43	4711800	8	Flatwasher 1/2in Thin (Front Entry Platform)	
44	3311805	4	Locknut 1/2in-13NC (Front Entry Platform)	
45	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8) (Front Entry Platform)	
46	4711600	4	Flatwasher 3/8in Thin (Front Entry Platform)	
47	0961950	2	Bushing	
48	0962006	3	Bushing	
49	0961947	10	Bushing	
50	0961951	2	Bushing	
51	3539563	1	Cover	
52	0641604	4	Bolt 3/8in-16NC x 1/2in	
54	2080044	4	Rivnut	
55	0641611	1	Bolt 3/8in-16NC x 1-3/8in	
58	4740314	AR	Thrustwasher	
59	4740158	AR	Thrustwasher	
60	1320235	1	Clamp	
61	4100033	2 ft/.6m	Sleeve, Abrasion	
62	4240033	2	Tie-Strap	
63	3841340	1	Clamp, Loop	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
64	0641606	2	Bolt 3/8in-16NC x 3/4in	
65	0962335	4	Bushing	
		Ref	**BOOM CABLES INSTALLATION**	
	0270738	Ref	**Boom Cables Installation 600SJ - 2WS**	2
	0256939	Ref	**Boom Cables Installation 600SJ - 4WS**	3
	0270736	Ref	**Boom Cables Installation 660SJ - 2WS**	2
	0256936	Ref	**Boom Cables Installation 660SJ - 4WS**	2
110	1670769	1	Cover	
111	0561237	2	Clamp, Block	
112	0641416	4	Bolt 1/4in-20NC x 2in	
		Ref	**SUPPORT INSTALLATIONS (SIDE ENTRY PLATFORM)**	
	0272070	Ref	**Machines without Load Sensing and without SkyGlazier**	C
		Ref	**CE Spec Machines:**	
	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 (Grade 8)	
205	3272605	1	Locknut 1in-8NC	
206	3311805	8	Locknut 1/2in-13NC	
207	4846573	1	Support, Platform	
208	4891600	8	Flatwasher 3/8in Hardened	
209	4891800	8	Flatwasher 1/2in Hardened	
210	4892600	1	Flatwasher 1in Hardened	

FIGURE 3-3. MAIN BOOM ASSEMBLIES

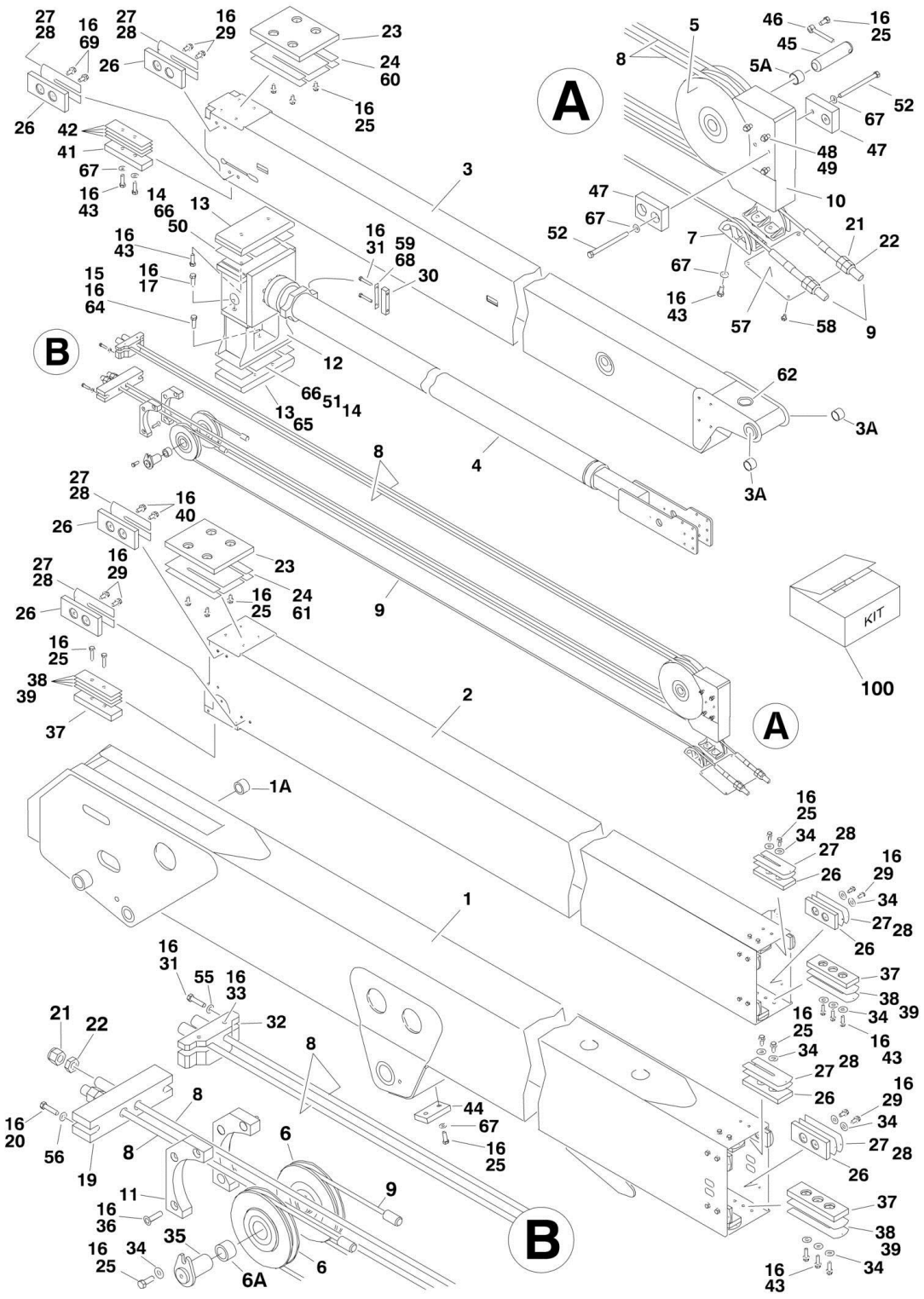


FIGURE 3-3. MAIN BOOM ASSEMBLIES

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**MAIN BOOM ASSEMBLY OPTIONS:**	
	0801009	Ref	**Main Boom Assembly 600S (SN 0300068000 through 0300073985)**	23-P
	0801381	Ref	**Main Boom Assembly 600S (SN 0300073986 through 0300087000)**	3-C
	0801035	Ref	**Main Boom Assembly 600SJ (SN 0300068000 through 0300073985)**	18-K
	0801389	Ref	**Main Boom Assembly 600SJ (SN 0300073986 through 0300087000)**	3-C
	0801010	Ref	**Main Boom Assembly 660SJ (SN 0300068000 through 0300073985)**	20-M
	0801388	Ref	**Main Boom Assembly 660SJ (SN 0300073986 through 0300087000)**	3-C
1		Ref	Base Weldment Options:	
1	0801011	1	Base Weldment 600S	
1	0801036	1	Base Weldment 600SJ	
1	0801011	1	Base Weldment 660SJ	
1A	0961950	2	Bushing	
2		Ref	Mid Weldment Options:	
2	0801012	1	Mid Weldment 600S & 660SJ **(SN 0300068000 through 0300073985)**	
2	0801372	1	Mid Weldment 600S & 660SJ **(SN 0300073986 through 0300087000)**	
2	0801037	1	Mid Weldment 600SJ **(SN 0300068000 through 0300073985)**	
2	0801373	1	Mid Weldment 600SJ **(SN 0300073986 through 0300087000)**	
3		Ref	Fly Weldment Options:	
3	0801065	1	Fly Weldment 600S	
3	0801038	1	Fly Weldment 600SJ	
3	0801014	1	Fly Weldment 660SJ	
3A	0961951	2	Bushing (600SJ & 660SJ Only)	
4		Ref	Telescope Cylinder Assembly Options: (See CYLINDER SECTION for Breakdown)	
4	1683618	1	Telescope Cylinder Assembly 600S & 660SJ	
4	1683620	1	Telescope Cylinder Assembly 600SJ	
5	3580241	1	Sheave Assembly (Extend)	2-B
5A	0961951	2	Bushing	
6	3580243	2	Sheave Assembly (Retract)	1-A
6A	0961951	2	Bushing (1 Per Sheave)	
7	1220078	2	Block, Sheave	
8		Ref	Cable (Extend) Options:	
8	3890005	2	Cable (Extend) 600S & 660SJ	
8	3890007	2	Cable (Extend) 600SJ	
9		Ref	Cable (Retract) Options:	
9	3890006	2	Cable (Retract) 600S & 660SJ	
9	3890008	2	Cable (Retract) 600SJ	
10	3580248	1	Guard, Sheave (Extend)	
11	3580249	2	Guard, Sheave (Retract)	
12	4846319	1	Support, Wear Pad	
13	3340844	1	Pad, Wear	
14	4070975	AR	Shim.05 **(SN 0300068000 through 0300072078)**	
15	0641608	AR	Bolt 3/8in-16NC x 1in **(SN 0300068000 through 0300082631)**	
16	0100011	AR	Compound, Locking	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17		Ref	Bolt Options:	
17	0681612	4	Bolt 3/8in-16NC x 1-1/2in (Grade 8) **(SN 0300068000 through 0300082631)**	
17	0681610	4	Bolt 3/8in-16NC x 1-1/4in (Grade 8) **(SN 0300082632 through 0300087000)**	
19	0561184	1	Block, Cable	
20	0641824	2	Bolt 1/2in-13NC x 3in	
21	3312201	4	Nut 3/4in-10NC	
22	3300241	4	Locknut, Special 3/4in-10NC	
23	3340757	2	Pad, Wear	
24	4070896	4	Shim (.06) (Without Slide-In Slots)	
25	0641607	AR	Bolt 3/8in-16NC x 7/8in	
26	3340881	20	Pad, Wear	
27	4070897	28	Shim (.05) (Without Slide-In Slots)	
28	4070898	24	Shim (.12) (Without Slide-In Slots)	
29		Ref	Bolt Options:	
29	0641605	16	Bolt 3/8in-16NC x 5/8in **(SN 0300068000 through 0300082631)**	
29	0641606	24	Bolt 3/8in-16NC x 3/4in **(SN 0300082632 through 0300087000)**	
30	0561185	2	Block	
31	0641618	6	Bolt 3/8in-16NC x 2-1/4in	
32	0561183	1	Block, Cable	
33	3951608	2	Setscrew 3/8in-16NC x 1in	
34	4711600	AR	Flatwasher 3/8in Thin	
35	3422424	2	Pin (Retract Sheave)	
36	0741612	6	Screw, Countersunk 3/8in-16NC x 1-1/2in	
37	3340871	5	Pad, Wear	
38	4070863	12	Shim (.12)	
39	4070864	12	Shim (.05)	
40	0641613	AR	Bolt 3/8in-16NC x 1-5/8in	
41	3340758	2	Pad, Wear	
42	4070895	8	Shim (.06)	
43		Ref	Bolt Options:	
43	0641610	14	Bolt 3/8in-16NC x 1-1/4in **(SN 0300068000 through 0300082631)**	
43	0641608	22	Bolt 3/8in-16NC x 1in **(SN 0300082632 through 0300087000)**	
44	0561076	1	Block	
45	3422417	2	Pin (Extend Sheave)	
46	3841143	1	Keeper, Pin	
47	3340755	2	Pad, Wear	
48	0641634	4	Bolt 3/8in-16NC x 4-1/4in	
49	3311605	4	Locknut 3/8in-16NC	
50	4070976	1	Shim (.12)	
51	4071004	1	Shim (.25)	
52		Ref	Bolt Options:	
52	0641640	2	Bolt 3/8in-16NC x 5in **(SN 0300068000 through 0300082631)**	
52	0641638	2	Bolt 3/8in-16NC x 4-3/4in **(SN 0300082632 through 0300087000)**	
55	4891600	6	Flatwasher 3/8in Hardened	
56	4891800	2	Flatwasher 1/2in Hardened	
57	3539622	1	Plate, Cover	
58	0641403	4	Bolt 1/4in-20NC x 3/8in	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	4070929	AR	Shim	
60	4070939	AR	Shim 16Ga (With Slide-In Slots)	
61	4070940	AR	Shim 16Ga (With Slide-In Slots)	
62	4060805	6 in/16cm	Flex-Trim	
63	1670836	8	Cover, Boom (Not Shown)	
64	0681608	4	Bolt 3/8in-16NC x 1in	
65	3340900	1	Pad, Wear	
66	4071005	AR	Shim	
67	4751600	12	Flatwasher 3/8in Regular **(SN 0300082632 through 0300087000)**	
68	4071007	AR	Shim **(SN 0300082632 through 0300087000)**	
69	0641614	4	Bolt 3/8in-16NC x 1-3/4in **(SN 0300082632 through 0300087000)**	
100	2901986	1	Kit, Wear Pad Support (Includes Items 12, 16, 51, 64, 65 & 66)	

FIGURE 3-4. ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM)

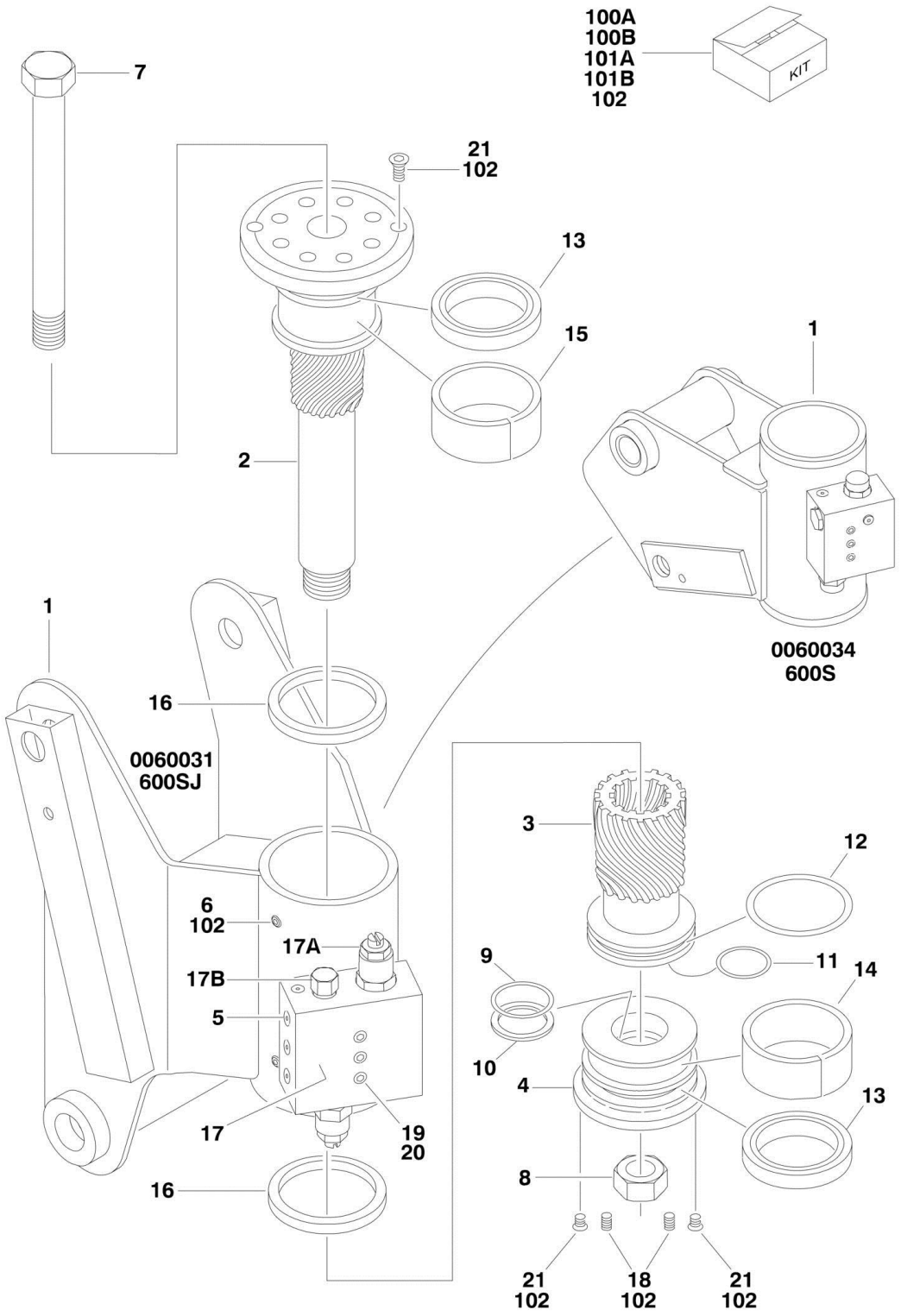


FIGURE 3-4. ROTATOR ASSEMBLIES (FRONT ENTRY PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ROTATOR ASSEMBLIES**	
		Ref	**Note: Recommended replacement rotator uses spacer plate bolted on the top with 8 capscrews (Not shown - located at item 2). Actual production rotator does not use spacer plate.**	
	0060034	Ref	**Rotator Assemblies 600S (Original Equipment)**	G
	0060075	Ref	**Rotator Assemblies 600S (Service Replacement)**	B
	0060031	Ref	**Rotator Assemblies 600SJ & 660SJ (Original Equipment)**	H
	See Note	Ref	**Rotator Assemblies 600SJ & 660SJ (Service Replacement) (Note: For 600SJ & 660SJ, the recommended replacement rotator kit p/n 1001103095 (Includes 0060074 actuator assembly, attaching pin and hardware)**	
1	See Note	NSS	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Rotator Assembly)	
2		Ref	Shaft Weldment Options:	
2	7017177	1	0060034 & 0060031 Rotators (was p/n 7017117)	
2	7017162	1	0060075 & 0060074 Rotators	
2	See Note	NSS	Plate, Spacer (Not Shown) (0060075 & 0060074 Rotators Only) (Note: Not Available for Purchase)	
3		Ref	Piston/Sleeve Options:	
3	7017115	1	Piston/Sleeve 0060034 & 0060031 Rotators	
3	7017163	1	Piston/Sleeve 0060075 & 0060074 Rotators	
4		Ref	Cap, End Options:	
4	7017174	1	Cap, End 0060034 Rotators	
4	7017174	1	Cap, End 0060031 Rotators (was p/n 7017116)	
4	7017164	1	Cap, End 0060075 & 0060074 Rotators	
5	See Note	NSS	Plug, Port (Note: Not Available - Purchase Locally)	
6	7017142	2	Plug	
7	7017119	1	Bolt 1in-8NC x 11in	
8	3272605	1	Locknut 1in-8NC	
9	See Note	NSS	Seal, Cap (Note: Use Item 100A or 100B)	
10	See Note	NSS	Ring, Back-up (Cap) (Note: Use Item 100A or 100B)	
11	See Note	NSS	Seal, Rod (Note: Use Item 100A or 100B)	
12	See Note	NSS	Seal, Piston (Note: Use Item 100A or 100B)	
13	See Note	NSS	Packing, Bearing (Note: Use Item 100A or 100B)	
14	See Note	NSS	Bearing, Cap (Note: Use Item 101A or 101B)	
15	See Note	NSS	Bearing, Shaft (Note: Use Item 101A or 101B)	
16	See Note	NSS	Thrustwasher (Note: Use Item 101A or 101B)	
17		Ref	Valve Assembly Options:	
17	7017183	1	Valve Assembly 0060034 & 0060031 Rotators (was p/n 7017101)	
17	7017183	1	Valve Assembly 0060075 & 0060074 Rotators	
17A		Ref	Cartridge, Valve Options:	
17A	7011331	2	Cartridge for Helac p/n 24736	
17A	7017193	2	Cartridge for Helac p/n 27600	
17A	2900770	2	Seal Kit - 7011331 Valve	
17A	See Note	NSS	Seal Kit - 7017193 Valve (Note: Not Available for Purchase - Use p/n 7017193)	
17B		Ref	Cartridge, Valve Options:	
17B	7011332	2	Cartridge for Helac p/n 24736	
17B	See Note	NSS	Cartridge for Helac p/n 27600 (Not Shown - Located on Side of Valve Block) (Note: Purchase Complete Valve Assembly)	
17B	7011346	2	Seal Kit - 7011332 Valve	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17B	See Note	NSS	Seal Kit - Valve Located on Side of Block (Note: Purchase Valve Assembly)	
18	7017118	2	Setscrew/Pin	
19	See Note	NSS	Capscrew 1/4in-20NC x 1-1/2 (Grade 8) (Note: Not Available for Purchase)	
20	3790110	3	O-Ring (Located between Valve and Actuator Housing)	
21	70001697	4	Screw, Countersunk 1/4in-20NC x 3/8in (Grade 8)	
		Ref	**KIT OPTIONS**	
100		Ref	Seal Kit Options (Includes Items 9-13 & 102):	
100A	7017157	1	Seal Kit for 0060034 & 0060031 Rotators	
100B	7017158	1	Seal Kit for 0060075 & 0060074 Rotators	
101		Ref	Bearing Kit Options (Includes Items 14-16):	
101A	7017156	1	Bearing Kit for 0060034 & 0060031 Rotators (Original Equipment)	
101B	7017159	1	Bearing Kit for 0060075 & 0060074 Rotators (Service Replacement)	
102	7017142	1	Hardware Kit (Includes Items 6, 18 & 21) (Part of Item 100)	

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

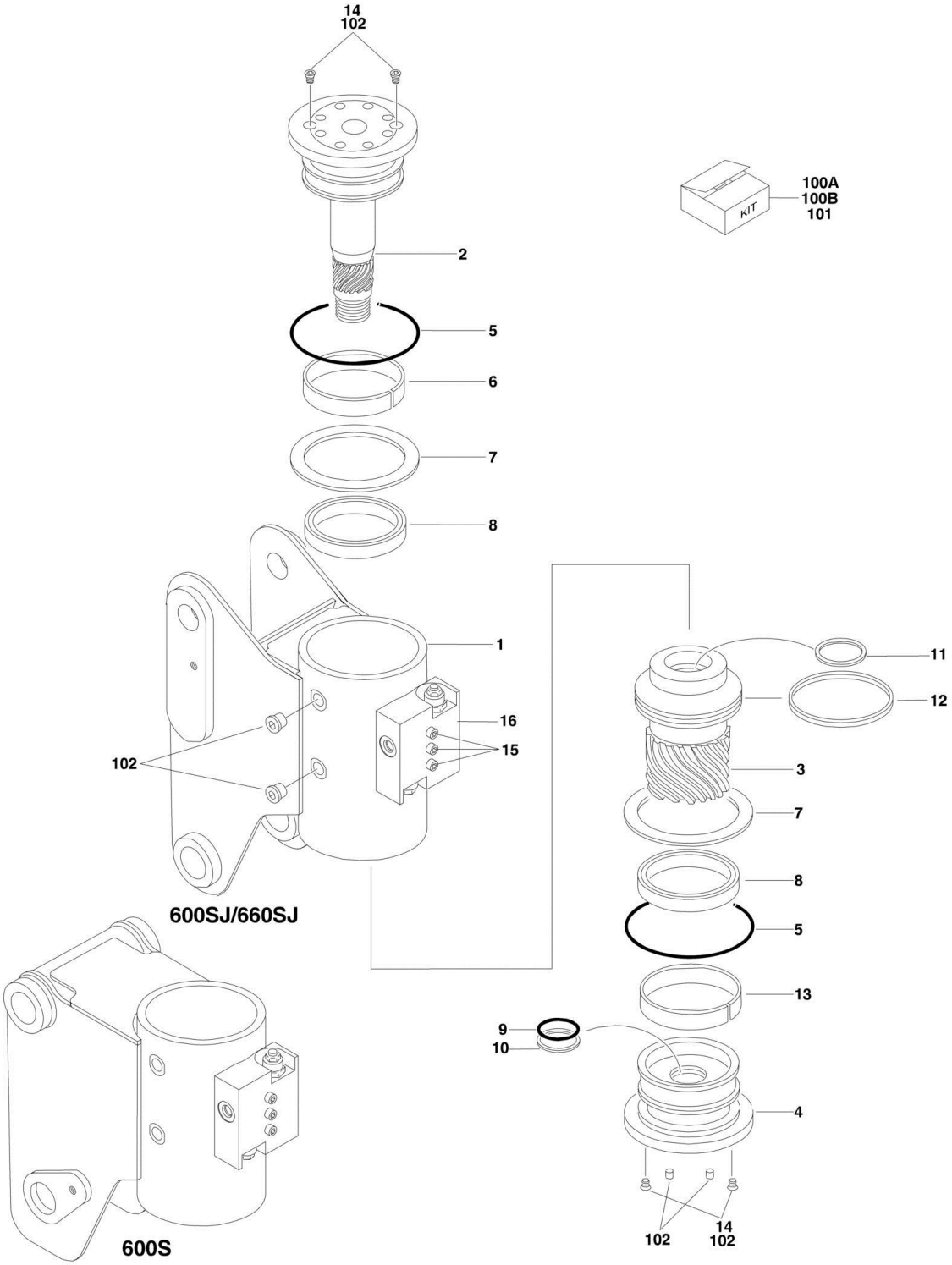


FIGURE 3-5. ROTATOR ASSEMBLIES (SIDE ENTRY PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ROTATOR ASSEMBLIES**	
	0060067	Ref	**Rotator Assemblies 600S**	A
	0060066	Ref	**Rotator Assemblies 600SJ & 660SJ**	A
1	See Note	NSS	Housing/Ring Gear Assembly (Note: Not Available - Purchase Complete Rotator Assembly)	
2	7017162	1	Shaft Weldment	
2	7017195	2	Bushing, Shaft	
3	7017163	1	Piston/Sleeve Assembly	
4	7017164	1	Cap, End	
5	See Note	NSS	O-Ring (Note: Use Item 100A or 100B)	
6	See Note	NSS	Bearing, Shaft (Note: Use Item 101)	
7	See Note	NSS	Thrustwasher (Note: Use Item 101)	
8	See Note	NSS	Packing, Bearing (Note: Use Item 100A or 100B)	
9	See Note	NSS	Seal, Cap (Note: Use Item 100A or 100B)	
10	See Note	NSS	Ring, Back-Up Cap (Note: Use Item 100A or 100B)	
11	See Note	NSS	Seal, Rod (Note: Use Item 100A or 100B)	
12	See Note	NSS	Seal, Piston (Note: Use Item 100A or 100B)	
13	7017159	1	Bearing, Cap	
14	70001697	4	Screw, Countersunk 1/4in-20NC x 3/8in (Grade 8)	
15	See Note	NSS	Capscrew 1/4in-20NC x 1-1/2 (Grade 8) (Note: Not Available for Purchase)	
16	7017183	1	Valve Assembly	
16	7017193	2	Cartridge, Valve	
16	See Note	NSS	Seal Kit - 7017193 Valve (Note: Use p/n 7017193)	
16	See Note	NSS	Cartridge, Valve (Not Shown - Located on Side of Block) (Note: Use p/n 7017183)	
16	See Note	NSS	Seal Kit - Valve Located on Side of Block (Note: Use p/n 7017183)	
		Ref	**KIT OPTIONS**	
100		Ref	Seal Kit Options (Includes Items 5, 8-12 & 102):	
100A	7017158	1	Seal Kit - Standard	
100B	70000342	1	Seal Kit - Low Temperature	
101	7017159	1	Bearing Kit (Includes Items 6, 7 & 13)	
102	See Note	NSS	Hardware Kit (Includes Items 14, 2 Setscrews and 2 Plugs) (Note: Use Item 100)	

FIGURE 3-6. POWER TRACK INSTALLATIONS

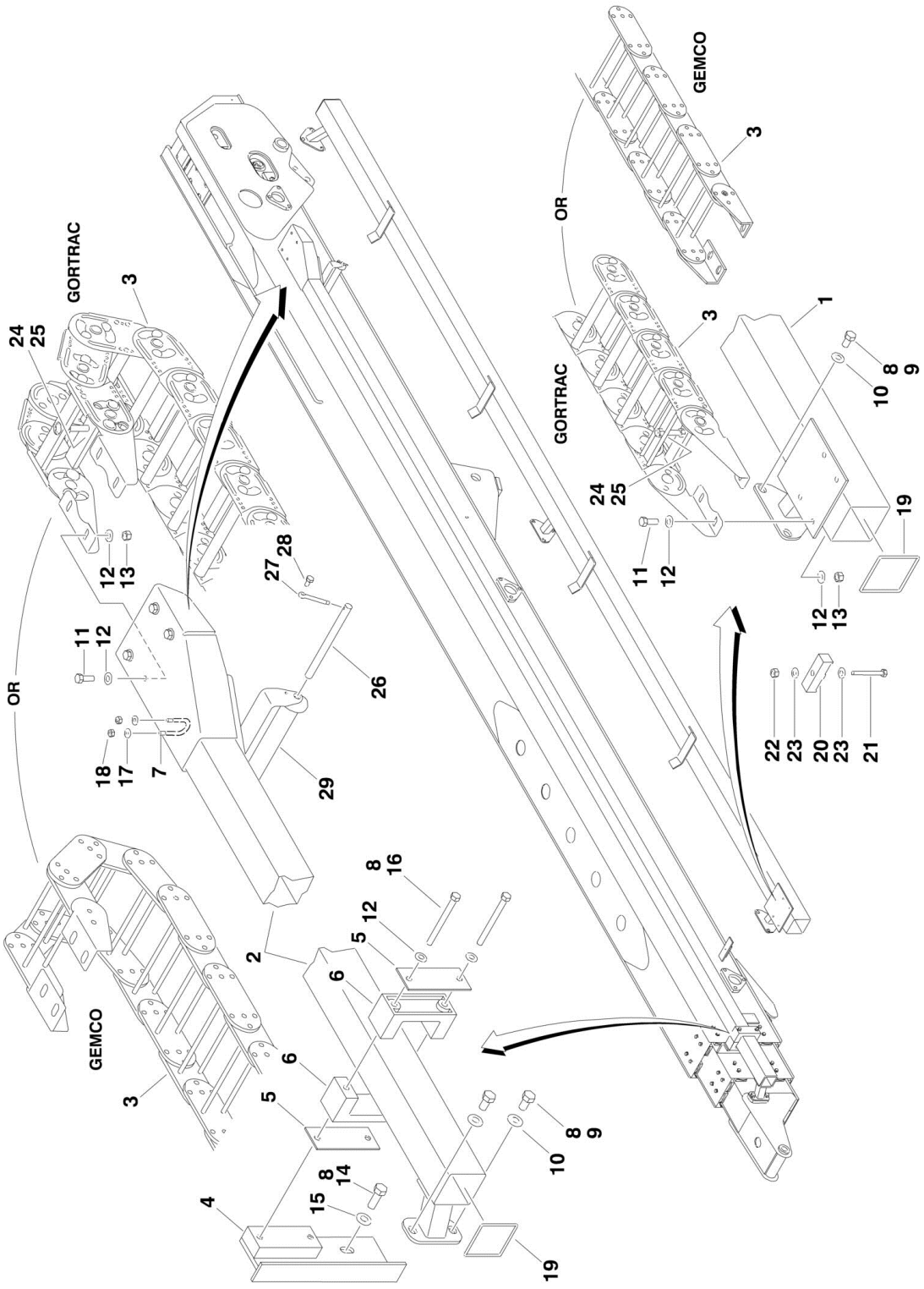


FIGURE 3-6. POWER TRACK INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**POWER TRACK INSTALLATIONS**	
	0271372	Ref	**Power Track Installations 600SJ**	3
	0270804	Ref	**Power Track Installations 600S/660SJ**	4
1		Ref	Rail Options:	
1	4845819	1	Rail 600S/660SJ	
1	4846392	1	Rail 600SJ	
2		Ref	Tube Options:	
2	4845671	1	Tube 600S/660SJ	
2	4846391	1	Tube 600SJ	
3		Ref	Power Track Assembly Options:	
		Ref	**Note: Various Power Tracks use on this model. Identify brand before ordering parts.**	
3		Ref	Power Track Assembly 600S/660SJ Power Track Assembly	
3	1180345	NLA	Gemco Brand Power Track (Use p/n 1001099832)	
3	7016530	AR	Power Track Repair Section (Includes 18 Link Pin, 4 Radius Links, 2 Carrier Links, 1 Rod Carrier, 1 Spring Loaded Rod, 1 Carrier Weldment and 12 Bearing Plates)	
3	7006138	1	Power Track - Pin Kit (Includes 1 pin, 1 Retaining Ring and 4 Washers)	
3	1001099832	1	Gortrac Brand Power Track	
3	70002005	AR	Power Track - Section Repair Kit	
3	70002006	1	Power Track - Bracket Kit	
3	70004643	2	Clamp with Hardware	
3		Ref	Power Track Assembly 600SJ Power Track Assembly	
3	1180359	NLA	Gemco Brand Power Track (Use p/n 1001099839)	
3	7016530	AR	Power Track Repair Section (Includes 18 Link Pin, 4 Radius Links, 2 Carrier Links, 1 Rod Carrier, 1 Spring Loaded Rod, 1 Carrier Weldment and 12 Bearing Plates)	
3	7006138	1	Power Track - Pin Kit (Includes 1 pin, 1 Retaining Ring and 4 Washers)	
3	1001099839	1	Gortrac Brand Power Track	
3	70002007	AR	Power Track - 1 Section Repair Kit	
3	70002006	1	Power Track - Bracket Kit	
4	4845677	1	Bracket **(SN 0300068000 through 0300073986)**	
5	3538758	AR	Plate	
6	3340764	2	Pad, Wear	
7	0630458	1	U-Bolt	
8	0100011	AR	Compound, Locking	
9	0641807	11	Bolt 1/2in-13NC x 7/8in	
10	4711800	11	Flatwasher 1/2in Thin	
11	0641608	8	Bolt 3/8in-16NC x 1in	
12	4711600	18	Flatwasher 3/8in Thin	
13	3311605	8	Locknut 3/8in-16NC	
14	0642612	1	Bolt 1in-8NC x 1-1/2in **(SN 0300068000 through 0300073986)**	
15	4712600	1	Flatwasher 1in Thin **(SN 0300068000 through 0300073986)**	
16	0641648	2	Bolt 3/8in-16NC x 6in **(SN 0300068000 through 0300073986)**	
17	4711400	2	Flatwasher 1/4in Thin	
18	3311405	2	Locknut 1/4in-20NC	
19	4060803	3 ft/0.9m	Shield, Trim	
20	1320247	1	Clamp, Nylon	
21	0641522	1	Bolt 5/16in-18NC x 2-3/4in	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
22	3311505	1	Locknut 5/16in-18NC	
23	4711500	2	Flatwasher 5/16in Thin	
24	4070994	2	Shim	
25	4070995	2	Shim	
26	3841013	1	Roller, Rod	
27	3450806	1	Pin, Cotter	
28	0641404	1	Bolt 1/4in-20NC x 1/2in	
29	3860050	1	Roller	

SECTION 4 - PLATFORM

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

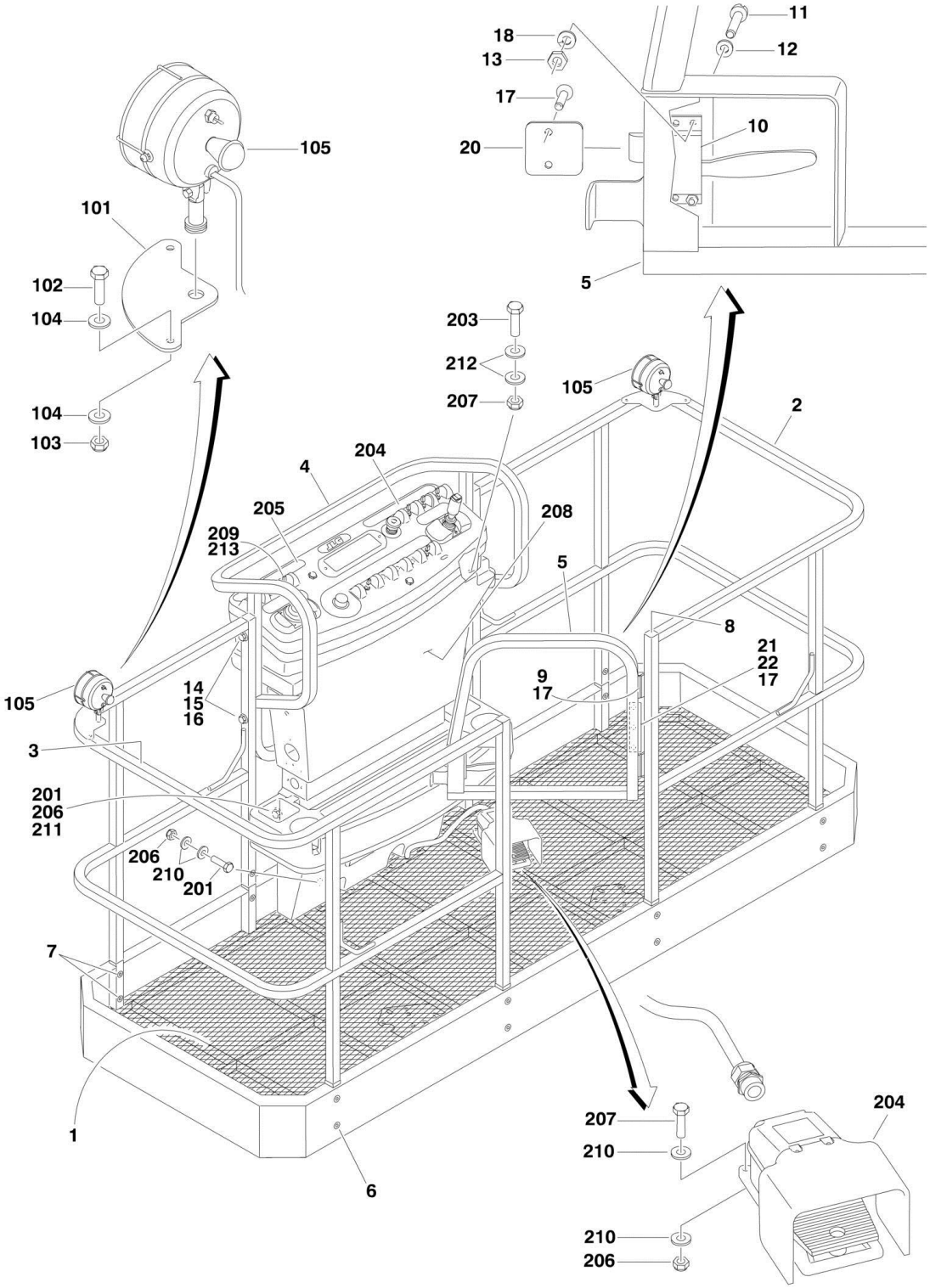


FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (FRONT ENTRY PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**PLATFORM ASSEMBLIES:**	
	3510760	Ref	**4ft (1.2m) with Self-Closing Gate**	3
	3510728	Ref	**5ft (1.52m) with Self-Closing Gate**	3
	3510497	Ref	**6ft (1.83m) Standard**	7
	3510542	Ref	**6ft (1.83m) with Self-Closing Gate**	3
	3510545	Ref	**6ft (1.83m) With Mesh to Top Rail and Standard Gate**	-
	3510565	Ref	**6ft (1.83m) with Mesh to Top Rail and Self-Closing Gate**	3
	3510488	Ref	**8ft (2.44m) Standard**	7
	3510543	Ref	**8ft (2.44m) with Self-Closing Gate**	3
	3510546	Ref	**8ft (2.44m) with Mesh to Top Rail and Standard Gate**	-
	3510566	Ref	**8ft (2.44m) with Mesh to Top Rail and Self-Closing Gate**	4
1		Ref	Floor Weldment Options:	
1	4846253	1	Floor Weldment 4ft Platform	
1	4846101	1	Floor Weldment 5ft Platform	
1	4844954	1	Floor Weldment 6ft Platform	
1	4844928	1	Floor Weldment 8ft Platform	
2		Ref	Rail Weldment - Right Side Options:	
2	4846254	1	Rail Weldment 4ft Platform Standard	
2	4846102	1	Rail Weldment 5ft Platform Standard	
2	4844955	1	Rail Weldment 6ft Platform Standard	
2	4845408	1	Rail Weldment 6ft Platform with Mesh Top Rail	
2	4844924	1	Rail Weldment 8ft Platform Standard	
2	4845412	1	Rail Weldment 8ft Platform with Mesh Top Rail	
3		Ref	Rail Weldment - Left Side Options:	
3	4846255	1	Rail Weldment 4ft Platform Standard	
3	4846103	1	Rail Weldment 5ft Platform Standard	
3	4844956	1	Rail Weldment 6ft Platform Standard	
3	4845409	1	Rail Weldment 6ft Platform with Mesh Top Rail	
3	4844925	1	Rail Weldment 8ft Platform Standard	
3	4845413	1	Rail Weldment 8ft Platform with Mesh Top Rail	
4	4845328	1	Rail Weldment - Back	
5		Ref	Gate Weldment Options:	
5	4845327	1	Gate Weldment Standard Gate	
5	4845410	1	Gate Weldment Standard Gate with Mesh Top Rail	
5	4845426	1	Gate Weldment Self-Closing Gate	
5	4845469	1	Gate Weldment 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/N3300151 Acorn Type Nut. Acorn type nut is required to meet industry safety requirements.**	
7	3300393	AR	Collar	
8	3520072	AR	Plug, Cap	
9		Ref	Hinge Options:	
9	2600216	2	Hinge Standard Gate	
9	2600287	2	Hinge Self-Closing Gate	
10	2940074	1	Latch	
11	3911008	4	Screw #10-24NC x 1/2in	
12	4751000	4	Flatwasher #10 Regular	
13	3311005	4	Locknut #10-24NC	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	0641524	4	Bolt 5/16in-18NC x 3in	
15	3311505	4	Locknut 5/16in-18NC	
16	4751500	4	Flatwasher 5/16in Regular	
17	2080040	13	Fastener	
18	4761000	4	Lockwasher #10	
20	3539685	1	Plate, Latch	
21		Ref	Stop, Gate Options:	
21	4220165	1	Stop, Gate Standard Gate	
21	4220165	1	Stop, Gate Self-Closing Gate	
22	4060803	6 ft/1.8m	Trim	
		Ref	**WORKLIGHTS INSTALLATIONS (optional)**	
	0270814	Ref	**Worklights Installations (Optional) (SN 0300068000 through 0300074440)**	3-D
	0273486	Ref	**Worklights Installations (Optional) 600S (SN 0300074441 through 0300087000)**	C
	0273490	Ref	**Worklights Installations (Optional) 600SJ (SN 0300074441 through 0300087000)**	C
	0273491	Ref	**Worklights Installations (Optional) 660SJ (SN 0300074441 through 0300087000)**	C
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 Thin	
105	2920140	2	Worklight	
105	7016399	2	Bulb, Replacement (1 Per Worklight)	
106	4240099	10	Tie-Strap (Not Shown)	
107	2820035	9	Loom, Vinyl (Not Shown)	
109		Ref	Connector, Strain Relief Options (Not Shown - Located on Bottom of Console Box):	
109	4460598	1	Connector, Strain Relief **(SN 0300068000 through 0300074440)**	
109	4460426	1	Connector, Strain Relief **(SN 0300074441 through 0300087000)**	
110	4920018	AR	Wire, Black 16 Ga (Not Shown) **(SN 0300068000 through 0300074440)**	
		Ref	**CONSOLE BOX INSTALLATIONS**	
	0272298	Ref	**Console Box Installations 2WD**	A
	0271940	Ref	**Console Box Installations 4WD**	A
201	0641406	4	Bolt 1/4in-20NC x 3/4in	
202	0641408	3	Bolt 1/4in-20NC x 1in	
203	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
204		Ref	Console Box and Footswitch Assembly (See PLATFROM CONSOLE ASSEMBLY for Breakdown)	
205	1702676	1	Decal - Horn	
206	3311405	7	Locknut 1/4in-20NC	
207	3311605	4	Locknut 3/8in-16NC	
208	3380434	1	Panel, Decal Mount	
209		Ref	Switch Options:	
209	4360336	1	Switch 2WD	
209	4360331	1	Switch 4WD	
210	4740362	7	Flatwasher 1/4in Fender	
211	4751400	4	Flatwasher 1/4in Regular	
212	4751600	8	Flatwasher 3/8in Regular	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
213	3790012	1	O-Ring	

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

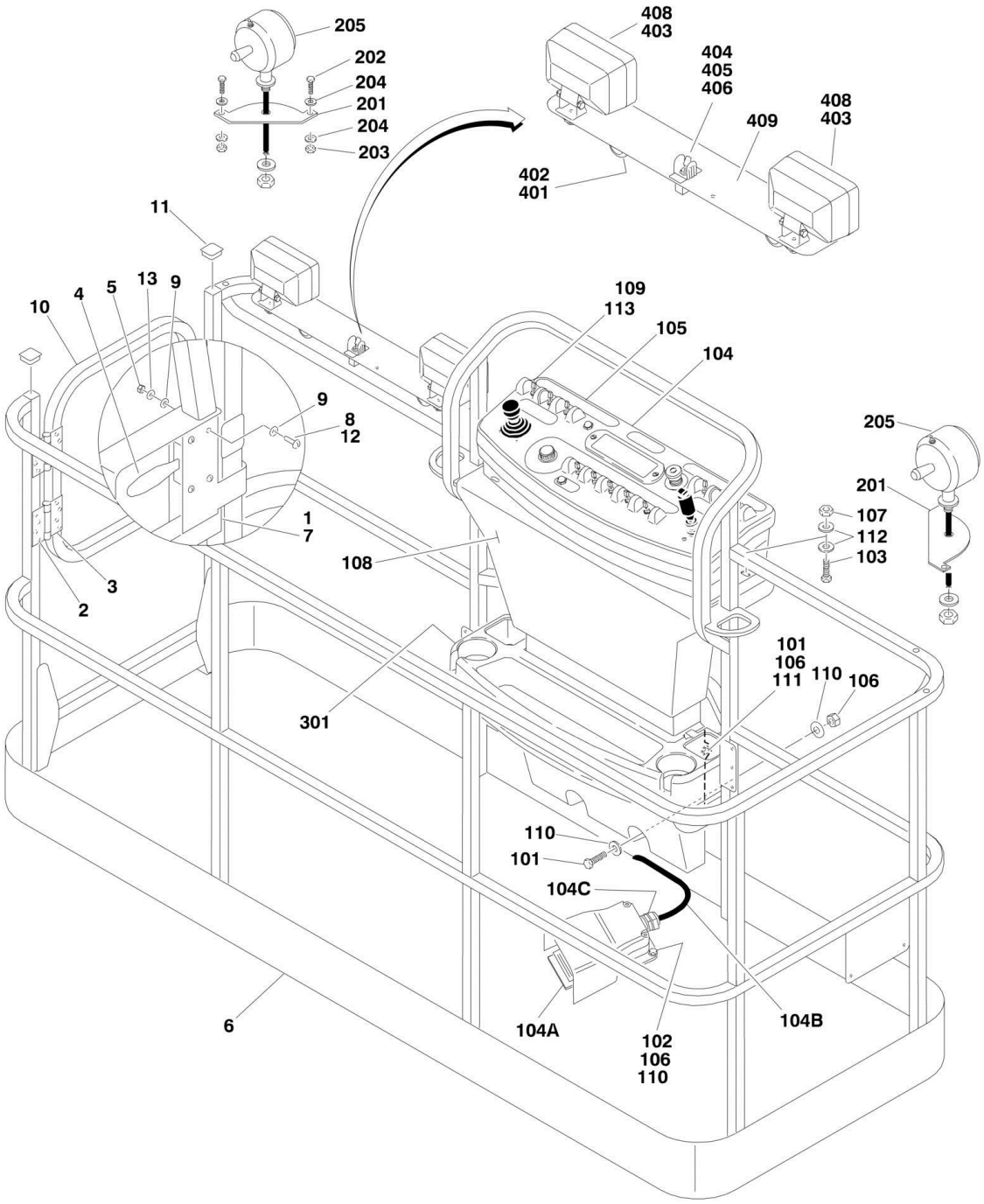


FIGURE 4-2. PLATFORM COMPONENTS INSTALLATION (SIDE ENTRY PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**PLATFORM ASSEMBLIES:**	
	3510830	Ref	**4ft (1.22m) with No Mesh (SN 0300068809 through 0300087000)**	B-E
	3510831	Ref	**5ft (1.52m) with No Mesh (SN 0300068809 through 0300087000)**	B-E
	3510833	Ref	**6ft (1.83m) with No Mesh (SN 0300068809 through 0300087000)**	B-E
	3510832	Ref	**6ft (1.83m) with No Mesh**	B-E
	3510822	Ref	**8ft (2.44m) with No Mesh**	B-E
		Ref	**Note: Original Equipment platform may have been replaced with Service Replacement platform. Identify platform before ordering parts.**	
		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 0300068000 through 0300073444)**	
2	2080040	16	Fastener, Huck	
3	2600281	2	Hinge, Self-Closing	
4	2940074	1	Latch	
5	3311001	4	Nut #10-24NC **(SN 0300068000 through 0300077332)**	
6	See Note	NSS	Platform Weldment (Note: Purchase Complete Platform Assembly)	
7	3520072	1	Cap-Plug	
8		Ref	Hardware Options:	
8	3911008	4	Hardware Screw #10-24NC x 1in **(SN 0300068000 through 0300077332)**	
8	3820020	4	Hardware Pop Rivet **(SN 0300077333 through 0300087000)**	
9	4751000	AR	Flatwasher #10 Regular **(SN 0300068000 through 0300077332)**	
10		Ref	Gate Weldment Options:	
10	4846452	1	Gate Weldment Gate for Original Equipment Platform p/n 3510830, 3510831, 3510832, 3510833, 3510822	
10	1001144629	1	Gate Weldment Gate for Service Replacement Platform p/ns 1001144023, 1001144024, 1001144025, 1001144026, 1001144027	
11	3520198	2	Plug, Square	
12	0100011	AR	Compound, Locking **(SN 0300073444 through 0300077332)**	
13	4761000	4	Lockwasher #10 **(SN 0300073444 through 0300077332)**	
		Ref	**CONSOLE BOX INSTALLATIONS**	
	0272298	Ref	**2WD (SN 0300068000 through 0300069777)**	A
	0271940	Ref	**2WD/4WD**	A
101	0641406	4	Bolt 1/4in-20NC x 3/4in	
102	0641408	3	Bolt 1/4in-20NC x 1in	
103	0641610	4	Bolt 3/8in-16NC x 1-1/4in	
104		Ref	Platform Console Box Assembly (See PLATFORM CONSOLE ASSEMBLY for Breakdown)	
104A	0272970	1	Footswitch Assembly (Includes Footswitch and Items 104B & 104C)	
		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**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			the Service Replacement. Identify component before ordering parts.	
104A		Ref	Footswitch Less Cable Options:	
104A	4360031	1	Footswitch Less Cable Original Equipment	
104A	1001117320	1	Footswitch Less Cable Service Replacement	
104A		Ref	Block, Contact Options (see Note Above):	
104A	7000625	2	Contact Block for 4360031 Footswitch	
104A	70003483	1	Contact Block for 1001117320 Footswitch	
104B	1060918	7 ft/2.14m	Cable, Electrical - 18/3	
104C	4460071	1	Connector, Strain Relief	
105	1702676	1	Decal - Horn	
106	3311405	7	Locknut 1/4in-20NC	
107	3311605	4	Locknut 3/8in-16NC	
108	3380434	1	Panel, Decal Mount	
109		Ref	Switch Options:	
109	4360336	1	Switch 2WD	
109	4360331	1	Switch 4WD	
110	4740362	7	Flatwasher 1/4in Fender	
111	4751400	4	Flatwasher 1/4in Regular	
112	4751600	8	Flatwasher 3/8in Regular	
113	3790012	1	O-Ring	
		Ref	**WORKLIGHTS INSTALLATIONS (OPTIONAL)**	
	0270814	Ref	**Worklights Installations (Optional) (SN 0300068000 through 0300074440)**	3-E
	0273486	Ref	**Worklights Installations (Optional) 600S (SN 0300074441 through 0300087000)**	C
	0273490	Ref	**Worklights Installations (Optional) 600SJ (SN 0300074441 through 0300087000)**	C
	0273491	Ref	**Worklights Installations (Optional) 660SJ (SN 0300074441 through 0300087000)**	C
201	3536089	2	Plate, Mounting	
202	0641414	4	Bolt 1/4in-20NC x 1-3/4in	
203	3311405	4	Locknut 1/4in-20NC	
204	4711400	8	Flatwasher 1/4in Thin	
205	2920140	2	Worklight	
205	7016399	2	Bulb, Replacement (1 Per Worklight)	
206	4240099	10	Tie-Strap (Not Shown)	
207	2820035	9	Loom, Vinyl (Not Shown)	
209		Ref	Connector, Strain Relief Options (Not Shown - Located at Console Box):	
209	4460598	1	Connector, Strain Relief **(SN 0300068000 through 0300074440)**	
209	4460426	1	Connector, Strain Relief **(SN 0300074441 through 0300087000)**	
		Ref	**TRAY INSTALLATIONS (OPTIONAL)**	
301	1580012	1	Tray, Storage (Center)	
302	1580013	1	Tray, Storage (Rail Mounted - Not Shown)	
	0274209	Ref	**FLOODLIGHT INSTALLATION**	A
401	0641518	2	Bolt 5/16in-18NC x 2-1/4in	
402	2560173	2	Handle	
403	2920157	2	Lamp, Work Light	
404	3250585	1	Nameplate - Light On	
405	4060802	1	Guard, Switch	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
406	4360336	1	Switch, Toggle	
407	4420037	1	Tape, Insulation (Not Shown)	
408	4751800	2	Flatwasher 1/2in Regular	
409	4846561	1	Mount, Light	
410	4922888	1	Harness 12/3 (Not Shown)	

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

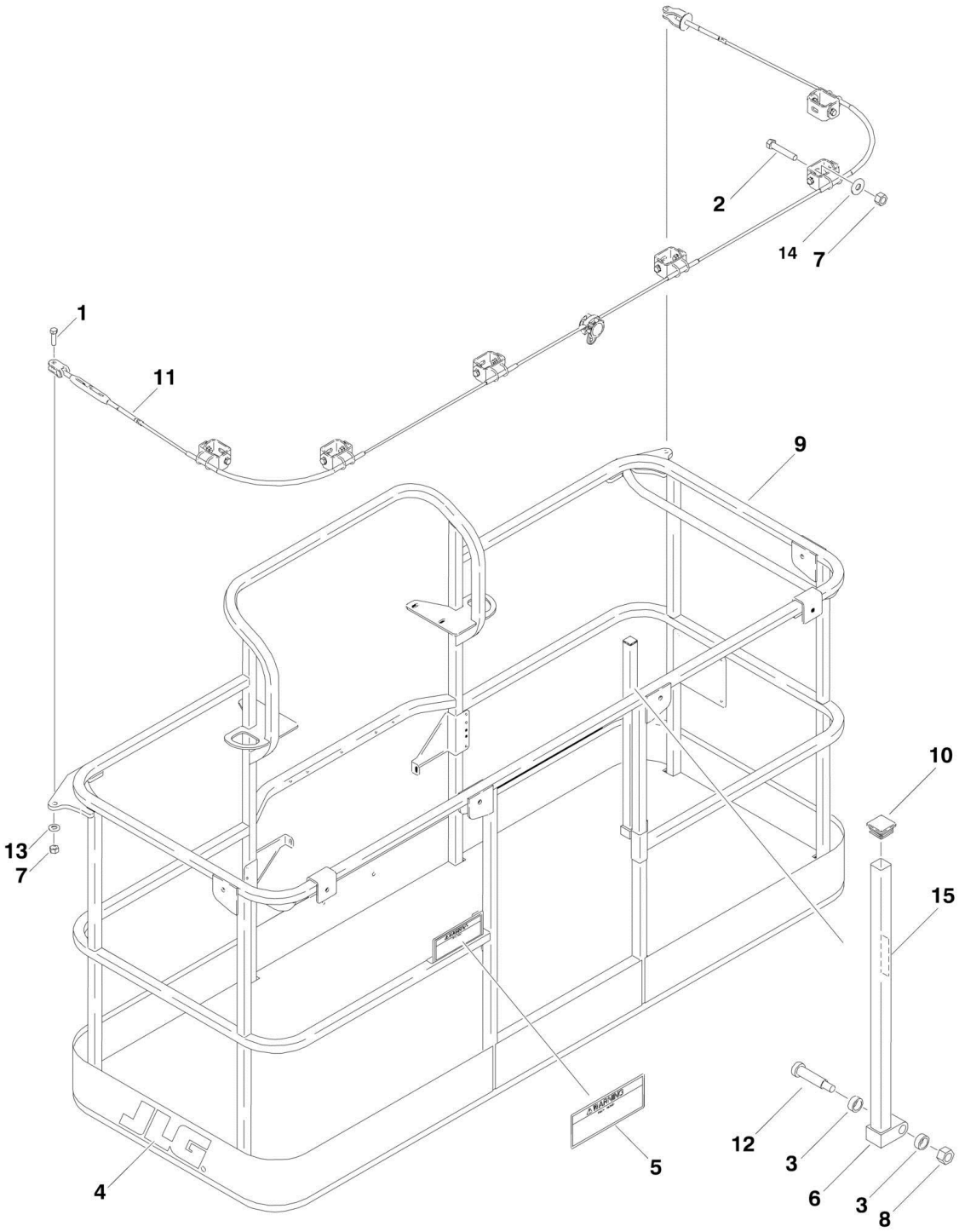


FIGURE 4-3. PLATFORM COMPONENTS INSTALLATION (FALL ARREST PLATFORM)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3510868	Ref	**PLATFORM ASSEMBLY (FALL ARREST)**	B
1	0681814	2	Bolt 1/2in-13NC x 1-3/4in (Grade 8)	
2	0681822	6	Bolt 1/2in-13NC x 2-3/4in (Grade 8)	
3	0962270	2	Bearing, Oilite	
4	1702773	1	Decal - JLG	
5	1705014	1	Decal - Safety	
6	2410014	1	Gate Weldment	
7	3271805	8	Locknut 1/2in-13NC (Grade 8)	
8	3311605	1	Locknut 3/8in-16NC	
9	See Note	NSS	Platform Weldment (Purchase Platform Assembly) (Note: Purchase Complete Platform Assembly)	
10	3520072	1	Cap-Plug	
11	3890040	1	Cable, Fall Arrest	
12	3900054	1	Bolt 1/2in-13NC x 1-3/4in	
13	4711800	2	Flatwasher 1/2in Thin	
14	4751800	6	Flatwasher 1/2in Regular	
15	1706385	1	Decal - Drop Bar **(SN 0300085919 through 0300087000)**	

FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY

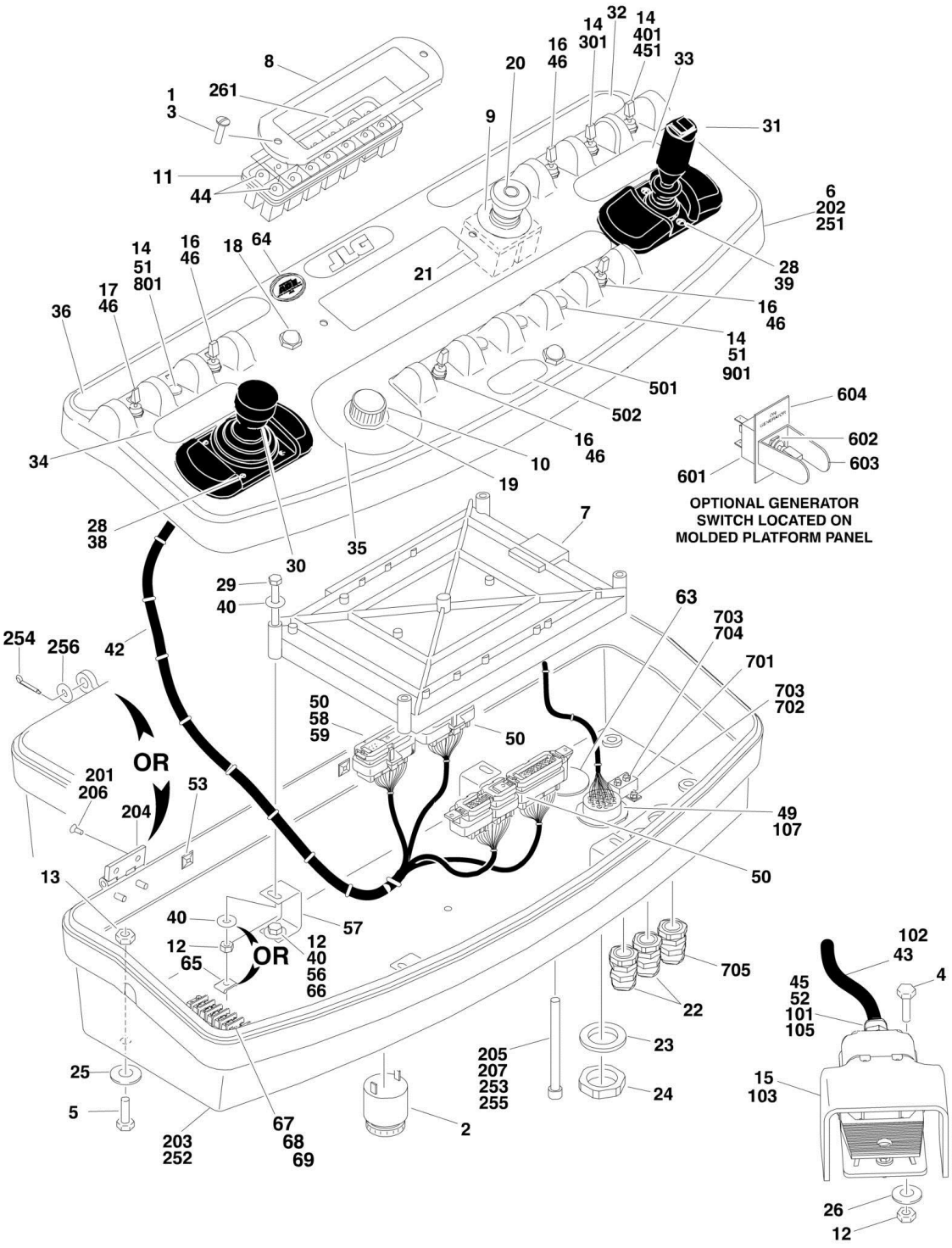


FIGURE 4-4. PLATFORM CONSOLE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**CONSOLE BOX AND FOOTSWITCH ASSEMBLIES**	
	See Note	Ref	**Console Box and Footswitch Assemblies (Note: See Item 6 Note) (SN 0300068000 through 0300068964)**	
		Ref	**Note: No exact SN break exists. SN 0300068000 to 0300068964 may use either p/n 0861477 or p/n 0861511**	
	0861511	Ref	**Console Box and Footswitch Assemblies (SN 0300068965 through 0300087000)**	F
1	0100035	AR	Compound, Locking	
2	0140011	1	Alarm	
3	0630464	AR	Screw, Button Head #10-24NC x 1/2in	
4	0641408	3	Bolt 1/4in-20NC x 1in	
5	0641610	AR	Bolt 3/8in-16NC x 1-1/4in	
6		Ref	Box, Console Options:	
		Ref	**Note: No exact SN break exists. SN 0300068000 to SN 0300068964 may use either box.**	
6	0861414	1	Box, Console - Aluminum (See Items 201- 208 for Breakdown)	
6	0861537	1	Box, Console - Die Cast (See Items 251- 256 for Breakdown)	
7		Ref	Controller, Module Options:	
		Ref	Note: Re-calibration Required when Replaced.	
7		Ref	Controller, Module Deutz Engine:	
7	1600313	1	Controller, Module Deutz Engine **(SN 0300068000 through 0300077489)**	
7	1600375	1	Controller, Module Deutz Engine **(SN 0300077490 through 0300087000)**	
7	1600313	1	Ford Engine	
8	1670829	1	Bezel	
9	1704260	1	Decal - EMS	
10	2560136	1	Handle, Knob	
11	2760105	1	Housing, Display Light	
12	3311405	11	Locknut 1/4in-20NC	
13	3311605	4	Locknut 3/8in-16NC	
14		Ref	Plug, Hole 1/2in Options:	
14	3520028	6	Plug, Hole 1/2in **(SN 0300068000 through 0300077482)**	
14	3520054	6	Plug, Hole 1/2in **(SN 0300077483 through 0300087000)**	
15	See Note	1	Footswitch Assembly (Note: See Items 101-107 for Breakdown)	
16	4360328	4	Switch, Toggle	
17	4360331	1	Switch, Toggle	
18	4360387	1	Switch, Pushbutton	
19	4360407	1	Controller, Speed	
19	See Note	NSS	Gasket "Top Hat" (Included with Switch) (Note: Not Available - Purchase Complete Controller)	
19	70003784	1	Seal	
20	4360475	1	Switch, Emergency Stop	
20	7020175	1	Cap, Red	
20	7020176	1	Contact Block	
21	4360476	1	Block, Contact	
22	4460428	2	Connector, Strain Relief	
23	4460471	1	Lockwasher, Terminal	
24	4460470	1	Nut, Terminal	
25	4751600	4	Flatwasher 3/8in Regular	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
26	4740362	AR	Flatwasher 1/4in Fender	
28	0641404	8	Bolt 1/4in-20NC x 1/2in	
29		Ref	Bolt Options:	
29	0641416	4	Bolt 1/4in-20NC x 2in **(SN 0300068000 through 0300077489)**	
29	0641414	4	Bolt 1/4in-20NC x 1-3/4in **(SN 0300077490 through 0300087000)**	
30	1600317	NLA	Controller Assembly (Lift and Swing) (See CONTROLLER ASSEMBLY (LIFT AND SWING) for Breakdown) (Use p/n 1001129555)	
31	1600318	NLA	Controller Assembly (Drive and Steer) (See CONTROLLER ASSEMBLY (DRIVE AND STEER) for Breakdown) (Use p/n 1001212415)	
32		Ref	Decal (Stop) Options:	
32	1702564	1	Decal **(SN 0300068000 through 0300072391)**	
32	1704997	1	Decal **(SN 0300072392 through 0300087000)**	
33	1702565	1	Decal (Drive and Steer)	
34	1702566	1	Decal (Lift and Swing)	
35	1702567	1	Decal (Function Speed)	
36	1702676	1	Decal (Horn)	
38	4340678	1	Support, Hand	
39	4340684	1	Support, Hand	
40	4751400	16	Flatwasher 1/4in Regular	
41	4922666	1	Harness, Analyzer Cable (Not Shown)	
41	4460871	4	Terminal, Socket	
41	4460761	1	Housing - 4 Position	
41	4460227	4	Pin	
42	4922639	1	Harness, Platform Box	
43	1060918	7 ft/2.1m	Cable, 18/3	
44	2920129	12	Bulb, Light	
45	4460071	1	Connector, Strain Relief	
46	3790012	5	O-Ring	
49	4460464	1	Terminal, Deutsch	
50		Ref	Terminal, Socket	
50	See Note	NSS	Terminal, Socket (Note: See Item 6 Note) **(SN 0300068000 through 0300068964)**	
50	4460226	2	Terminal, Socket **(SN 0300068965 through 0300087000)**	
51	0100009	AR	Sealant	
52	0100020	AR	Loctite #567	
53	4460488	1	Terminal, Mounting Base	
54	4460234	AR	Wire Tie (Not Shown)	
56	0641404	4	Bolt 1/4in-20NC x 1/2in	
57	0902751	4	Bracket, Card Support	
58	4460905	5	Connector, Amp Seal Plug	
59	0100048	AR	Grease, Dielectric	
60	4460226	2	Socket, Female (Not Shown - Used with Footswitch) (See ELECTRICAL SECTION for Breakdown)	
61	4460708	2	Connector, Female - 15 Position (Not Shown - See ELECTRICAL SECTION for Breakdown)	
62	4460905	5	Seal, Plug (Not Shown - Used with Footswitch) (See ELECTRICAL SECTION for Breakdown)	
63	1671037	1	Cover	
64	1705132	1	Decal - ADE	
65	3300353	4	Nut, Tinnerman	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
66	0100081	AR	Loctite #454	
67	0721008	1	Bolt #10-24NC x 1in **(SN 0300071160 through 0300087000)**	
68	3311001	1	Nut #10-24NC **(SN 0300071160 through 0300087000)**	
69	4460007	1	Bar, Buss **(SN 0300071160 through 0300087000)**	
	0272970	Ref	**FOOT SWITCH ASSEMBLY (Includes Items 102 & 105)**	A
		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.**	
101	0100020	AR	Pipe Sealant	
102	1060918	7 ft/2.1m	Cable, 18/3	
103		Ref	Footswitch Less Cable Options:	
103	4360031	1	Footswitch Less Cable Original Equipment	
103	1001117320	1	Footswitch Less Cable Service Replacement	
103		Ref	Block, Contact Options (see Note Above):	
103	7000625	2	Contact Block for 4360031 Footswitch	
103	70003483	1	Contact Block for 1001117320 Footswitch	
105	4460071	1	Connector, Strain Relief	
106	4460226	2	Socket, Female (Not Shown - Used with Footswitch) (See ELECTRICAL SECTION for Breakdown)	
107	4460464	1	Terminal, Deutsch	
	0861414	Ref	**CONSOLE BOX ASSEMBLY See Note Under Item 6 for Usage.**	C
201	0100011	AR	Compound, Locking	
202	See Note	NLA	Console Top (Note: Not Available - Purchase Complete Console Box Assembly)	
203	See Note	NLA	Console Bottom (Note: Not Available - Purchase Complete Console Box Assembly)	
204	2600211	2	Hinge	
205	3311601	1	Nut 3/8in-16NC	
206	3900224	8	Screw Countersunk	
207	3931672	1	Screw 3/8in-16NC x 4-1/2in	
208	3520174	3	Plug, Hole 3/16in (Not Shown) (Located on back of console box)	
	0861537	Ref	**CONSOLE BOX ASSEMBLY See Note Under Item 6 for Usage.**	C
251	See Note	NLA	Console Top (Note: Not Available - Purchase Complete Console Box Assembly)	
252	See Note	NLA	Console Bottom (Note: Not Available - Purchase Complete Console Box Assembly)	
253	3311601	1	Nut 3/8in-16NC	
254	3450304	NLA	Pin, Cotter (Use p/n 3420156)	
255	0630568	1	Screw 3/8in-16NC x 4-1/2in	
256	4711500	2	Flatwasher 5/16in Thin	
	0256631	Ref	**LIGHT PANEL DECAL INSTALLATION**	-
261	1702387	1	Decal - Display	
	0270764	Ref	**DUAL FUEL SWITCH INSTALLATION**	4
301	4360336	1	Switch, Toggle	
301	3790012	1	O-Ring	
	0271552	Ref	**HEAD AND TAIL LIGHTS INSTALLATIONS (OPTIONAL)**	2
401	4360336	1	Switch, Toggle	
401	3790012	1	O-Ring	
	0274210	Ref	**CHASSIS ILLUMINATION LIGHT INSTALLATION**	1-A
451	4360336	1	Switch, Toggle	
451	3790012	1	O-Ring	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)**	
	0273824	Ref	**6FT PLATFORM**	A
	0272427	Ref	**8FT PLATFORM**	C
501	4360387	1	Switch, Pushbutton	
502	1702938	1	Decal - Soft Touch Override	
		Ref	**GENERATOR INSTALLATION (OPTIONAL)**	
	0272480	Ref	**110V DEUTZ**	2
	0272481	Ref	**220V DEUTZ**	2
	0271545	Ref	**110V FORD**	4
	0271546	Ref	**220v FORD**	4
601	4360336	1	Switch, Toggle	
602	4740397	1	Bushing	
603	4060802	1	Guard, Switch	
604	3251102	1	Decal - Generator ON/OFF	
		Ref	**PLATFORM WORKLIGHT INSTALLATION (OPTIONAL)**	
	0270814	Ref	**Platform Worklight Installation (Optional) (SN 0300068000 through 0300074440)**	3-E
	0273486	Ref	**Platform Worklight Installation (Optional) 600S (SN 0300074441 through 0300087000)**	C
	0273490	Ref	**Platform Worklight Installation (Optional) 600SJ (SN 0300074441 through 0300087000)**	C
	0273491	Ref	**Platform Worklight Installation (Optional) 660SJ (SN 0300074441 through 0300087000)**	C
701	4360232	1	Breaker, Circuit - 15Amp **(SN 0300068000 through 0300074440)**	
702	0721003	2	Bolt #10-24NC x 3/8in **(SN 0300068000 through 0300074440)**	
703	4761000	4	Lockwasher #10 **(SN 0300068000 through 0300074440)**	
704	3311001	2	Nut #10-24NC **(SN 0300068000 through 0300074440)**	
705		Ref	Connector, Strain Relief Options:	
705	4460598	1	Connector, Strain Relief **(SN 0300068000 through 0300074420)**	
705	4460426	1	Connector, Strain Relief **(SN 0300074421 through 0300087000)**	
		Ref	**4WS COMPONENTS INSTALLATION**	
801	4360331	1	Switch, Toggle	
801	3790012	1	O-Ring	
		Ref	**JIB SWITCH INSTALLATION (600SJ & 660SJ ONLY)**	
901	4360328	1	Switch, Toggle	
901	3790012	1	O-Ring	

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

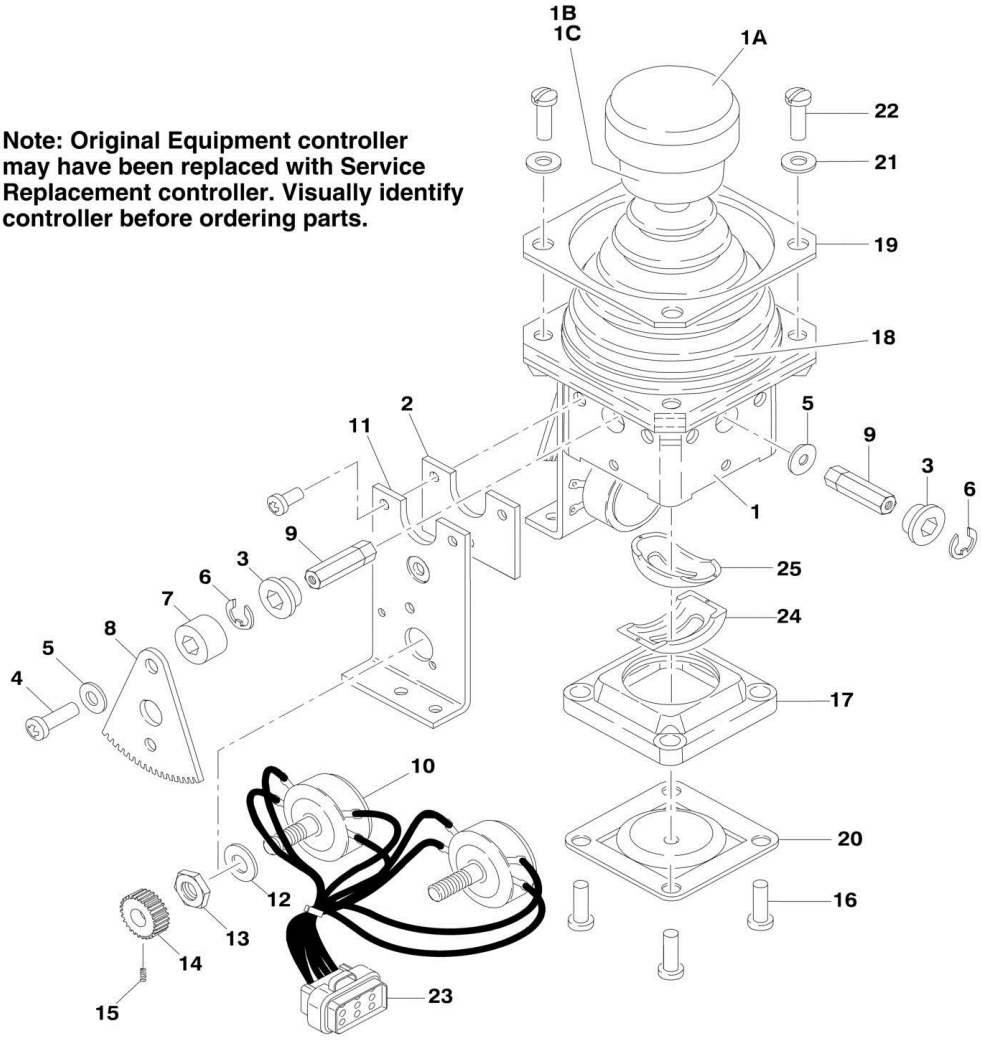
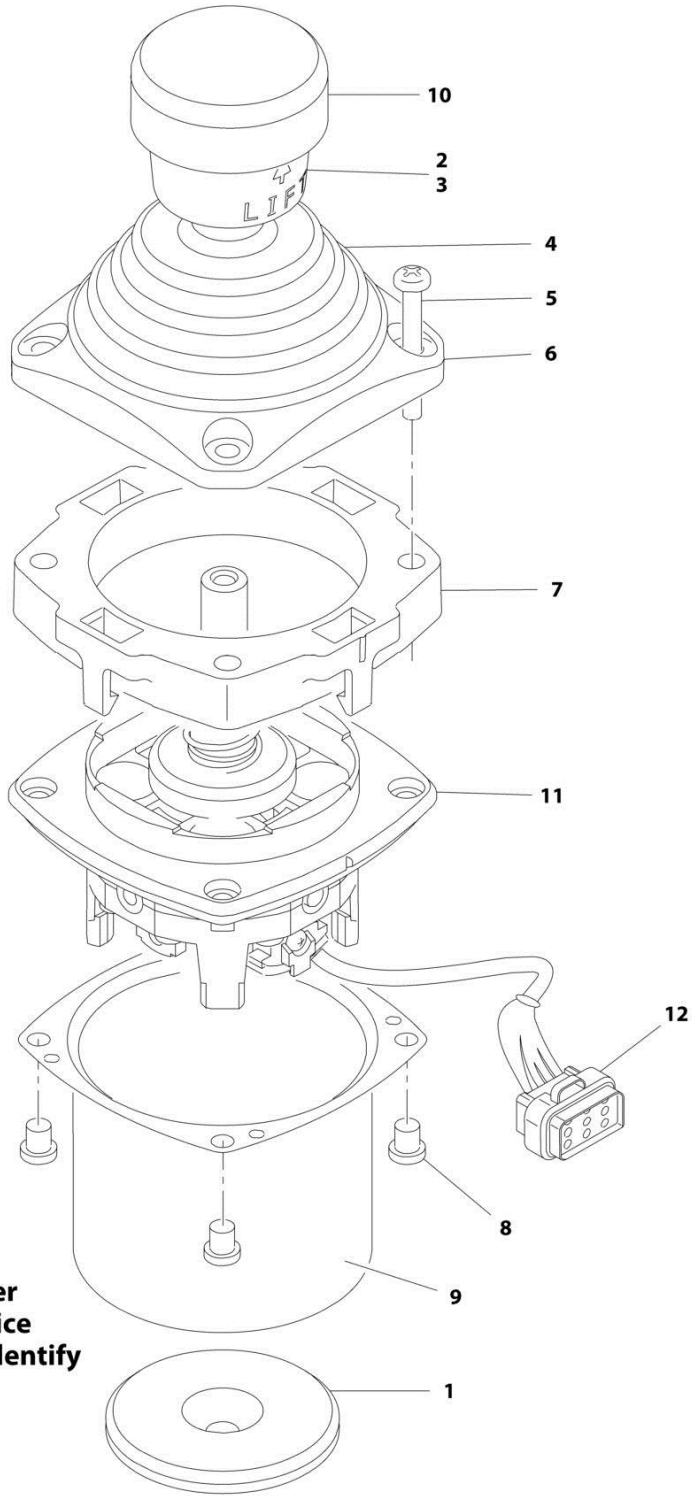


FIGURE 4-5. CONTROLLER ASSEMBLY (LIFT AND SWING) (ORIGINAL EQUIPMENT)

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.**	
	1600317	Ref	**CONTROLLER ASSEMBLY (ORIGINAL EQUIPMENT)**	B
		Ref	**Note: Use p/n 1001129555 Kit as replacement.**	
1	7019141	1	Mechanical Assembly (Includes Base, Handle Stem and Items 1A, 1B, 1C & 18)	
1A	7019197	1	Handle Cap and Rod	
1B	7003928	1	Spring	
1C	7022808	1	Cap, Lift	
2	7019171	2	Plate	
3	7019111	4	Bearing, Gear	
4	7019143	2	Screw	
5	7019144	2	Spacer, Cam	
6	7019145	4	E-Clip	
7	7019174	2	Spacer	
8	7003977	2	Gear, Drive	
9		Ref	Shaft Options:	
9	7019147	2	Shaft, Short	
9	7019177	2	Shaft, Long	
10	7022818	2	Potentiometer	
11	7019142	2	Plate	
12	7003992	2	Washer	
13	7003993	2	Nut	
14	7003976	2	Gear, Slave	
15	7019149	2	Setscrew	
16	7022816	4	Screw	
17	7019150	1	Gate	
18	7022814	1	Boot	
19	7022815	1	Bezel	
20	See Note	NSS	Detent, Center (Note: Use p/n 1001129555)	
21	7003953	4	Washer	
22	7022817	4	Screw	
23	7022819	1	Plug, Male 8 Position (Natural)	
23	4460871	8	Socket, Female	
24	7019122	1	Gimble, Outer	
25	7019123	1	Gimble, Inner	

FIGURE 4-6. CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT)



Note: Original Equipment controller may have been replaced with Service Replacement controller. Visually identify controller before ordering parts.

FIGURE 4-6. CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT)

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.**	
	1001118417	Ref	**CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT)**	A
		Ref	**Note: Use p/n 1001129555 as Replacement.**	
1	70002730	1	Gasket	
2	7003928	1	Spring	
3	7022808	1	Cap, Lift	
4	70002731	1	Boot	
5	70002732	4	Screw	
6	7022815	1	Bezel	
7	70002733	1	Adapter	
8	70002734	4	Screw	
9	70002735	1	Can, Enclosure	
10	70002906	1	Cap	
11	See Note	NSS	Mechanical Assembly (Note: Purchase Kit p/n 1001129555)	
12	7022819	1	Connector - 8 Position	
12	4460871	6	Socket, Female	

FIGURE 4-7. CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT)

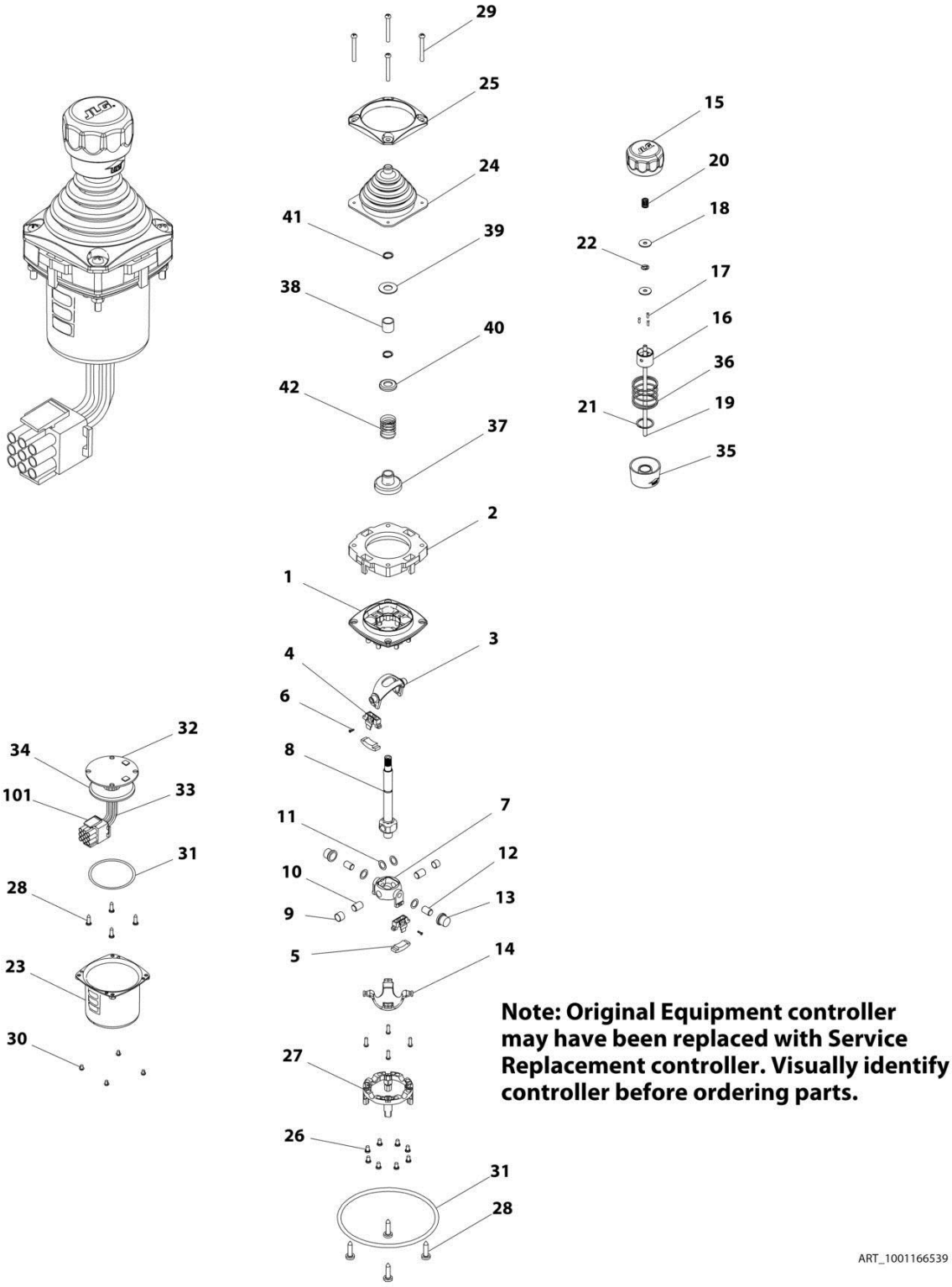


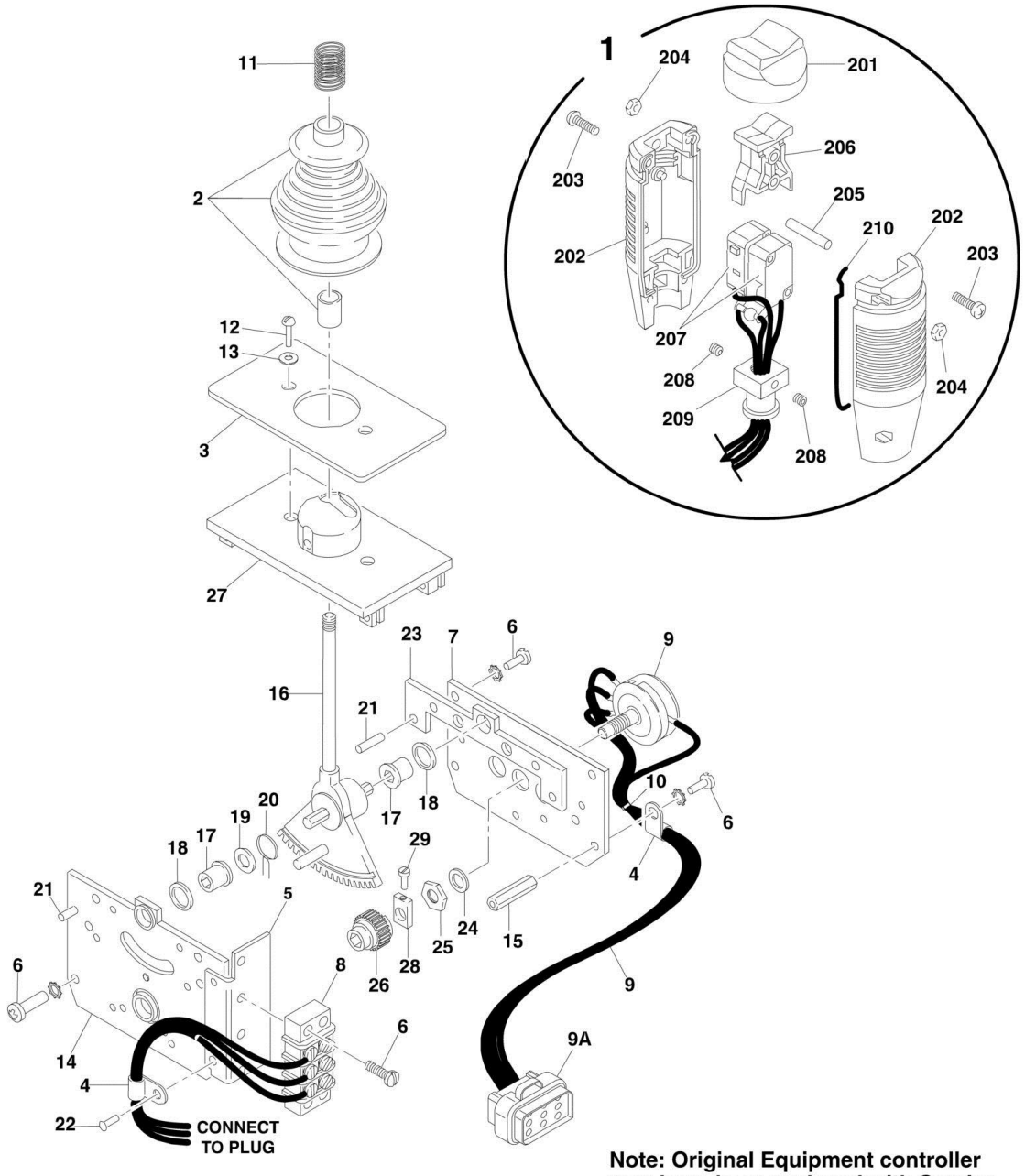
FIGURE 4-7. CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT)

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.**	
	1001166539	Ref	**CONTROLLER ASSEMBLY (LIFT AND SWING) (SERVICE REPLACEMENT)**	A
		Ref	**Note: Use p/n 1001129555 as Replacement.**	
1	See Note	NSS	Main Cast Body (Note: Not Available - Purchase complete Assembly)	
2	70004752	1	Adapter	
3	See Note	NSS	Pivot Arm, Plastic (Note: Not Available - Purchase Complete Assembly)	
4	See Note	NSS	Holder, Magnet (Note: Not Available - Purchase Complete Assembly)	
5	See Note	NSS	Arc, Magnet (Note: Not Available - Purchase Complete Assembly)	
6	See Note	NSS	Screw (Note: Not Available for Purchase)	
7	See Note	NSS	Pivot Arm, Cast (Note: Not Available - Purchase Complete Assembly)	
8	See Note	NSS	Shaft, Main (Note: Not Available - Purchase Complete Assembly)	
9	See Note	NSS	Bearing (Note: Not Available - Purchase Complete Assembly)	
10	See Note	NSS	Pin (Note: Not Available - Purchase Complete Assembly)	
11	See Note	NSS	Shim (Note: Not Available - Purchase Complete Assembly)	
12	See Note	NSS	Pin (Note: Not Available - Purchase Complete Assembly)	
13	See Note	NSS	Bearing (Note: Not Available - Purchase Complete Assembly)	
14	See Note	NSS	Dome, Centering (Note: Not Available - Purchase Complete Assembly)	
15	70004753	1	Cap	
16	70004754	1	Insert, Cap	
17	70004755	3	Pin	
18	70004756	2	Washer	
19	70004757	1	Pin, Centering	
20	70004758	1	Spring	
21	70004759	1	Ring, Retaining	
22	70004760	1	E-Ring	
23	70004761	1	Can, Enclosure	
24	70004762	1	Boot	
25	70004763	1	Bezel	
26	See Note	NSS	Screw (Note: Not Available for Purchase)	
27	See Note	NSS	Base Mounting (Note: Not Available - Purchase Complete Assembly)	
28	See Note	NSS	Screw (Note: Not Available for Purchase)	
29	70004764	4	Screw	
30	70004765	4	Screw	
31	70004766	1	O-Ring	
32	See Note	NSS	Plate (Note: Not Available - Purchase Complete Assembly)	
33	See Note	NSS	Harness (Note: Not Available - Purchase Complete Assembly)	
34	70004767	1	Grommet, Rubber	
35	70004768	1	Housing	
36	70004769	1	Spring	
37	70004770	1	Stopper	
38	70004771	1	Spacer	
39	70004772	1	Washer	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
40	70004773	1	Disc	
41	70004774	2	Ring, Retaining	
42	70004775	1	Spring	
101	4460265	1	Connector - 9 Position	
101	4460226	6	Socket, Female	

FIGURE 4-8. CONTROLLER ASSEMBLY (DRIVE AND STEER) (ORIGINAL EQUIPMENT)

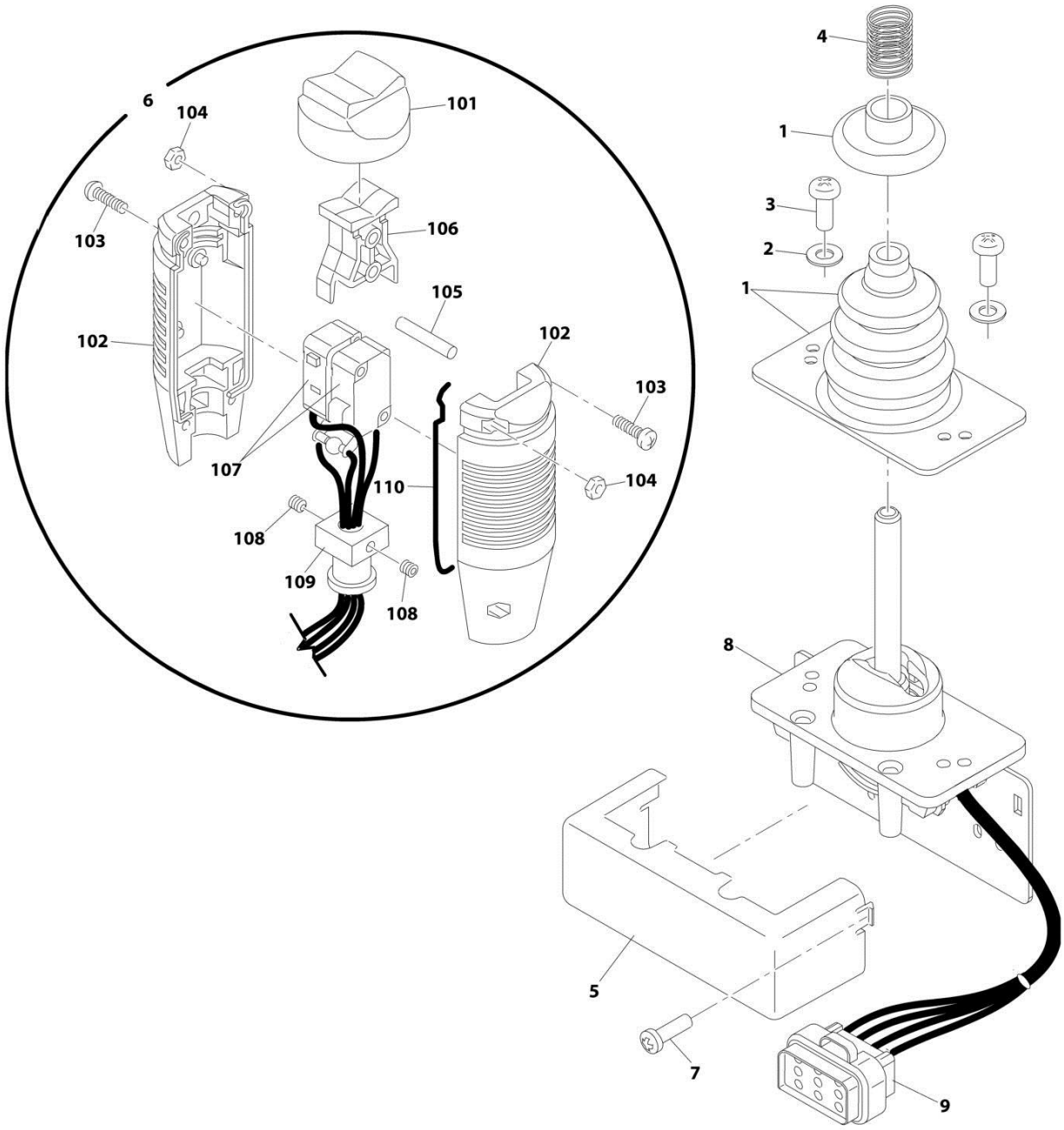


Note: Original Equipment controller may have been replaced with Service Replacement controller. Visually identify controller before ordering parts.

FIGURE 4-8. CONTROLLER ASSEMBLY (DRIVE AND STEER) (ORIGINAL EQUIPMENT)

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.**	
	1600318	Ref	**CONTROLLER ASSEMBLY (ORIGINAL EQUIPMENT)**	C
		Ref	**Note: Use p/n 1001212415 as Replacement.**	
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	1001113961	1	Plug, Male - 8 Position (Black) (was p/n 7022825)	
9A	4460871	7	Socket, Female	
10	7019151	AR	Tie-Strap	
11	7019162	1	Spring	
12	7003969	2	Screw	
13	7003941	2	Washer	
14	See Note	NSS	Plate, Mounting (Left Side) (Note: Use p/n 1001166538)	
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	Screw, Cup Point (Note: Not Available - Purchase Locally)	
	7022812	Ref	**HANDLE ASSEMBLY**	
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	7019196	1	Wiring Assembly	
207	7019166	2	Switch, Micro	
208	7003983	2	Setscrew	
209	7019194	1	Coupling	
210	7003989	2	Gasket	

FIGURE 4-9. CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT)



Note: Original Equipment controller may have been replaced with Service Replacement controller. Visually identify controller before ordering parts.

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FIGURE 4-9. CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT)

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.**	
	1001118416	Ref	**CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT)**	A
		Ref	**Note: Use p/n 1001212415 as Replacement.**	
1	70002724	1	Boot and Control Lock Assembly	
2	7003941	2	Washer	
3	70002725	2	Screw	
4	7019162	1	Spring	
5	70002726	1	Enclosure	
6	70002727	1	Handle Assembly (See Items 101-110 for Breakdown)	
7	70002728	1	Screw	
8	See Note	NSS	Mechanical Assembly (Note: Use p/n 1001166538)	
9	1001113961	1	Plug, Male - 8 Position (Black) (was p/n 7022825)	
9	4460871	7	Socket, Female	
	70002727	Ref	**HANDLE ASSEMBLY**	
101	7003972	1	Boot, Switch	
102	7003973	2	Half, Handle	
103	7003980	4	Screw	
104	7019167	4	Nut	
105	7019164	1	Axle	
106	7019165	1	Rocker	
107	70002729	1	Wiring Assembly	
107	7003982	2	Switch, Micro	
108	7003983	2	Setscrew	
109	7019194	1	Coupling	
110	7003989	2	Gasket	

FIGURE 4-10. CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT)

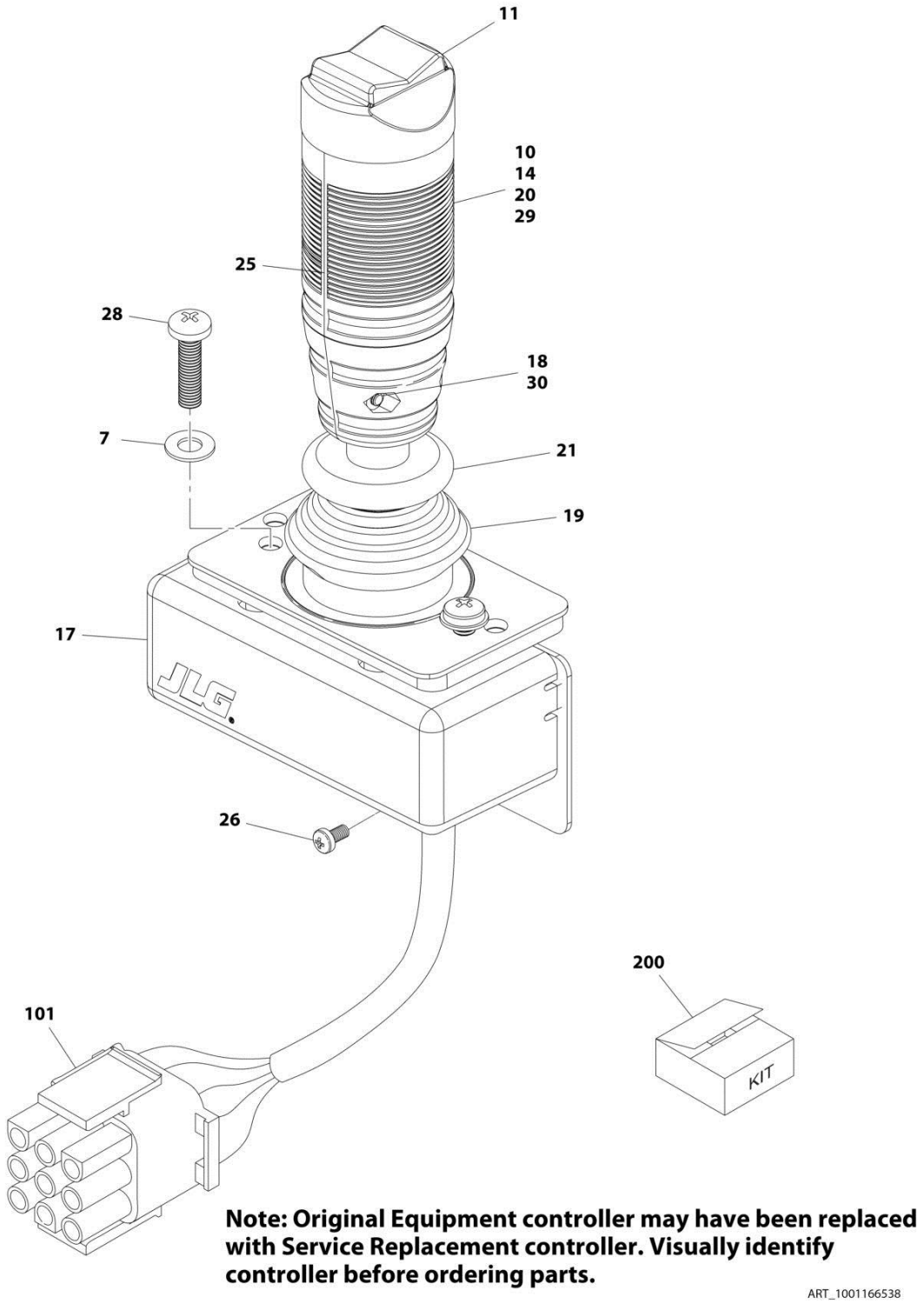


FIGURE 4-10. CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT)

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.**	
	1001166538	Ref	**CONTROLLER ASSEMBLY (DRIVE AND STEER) (SERVICE REPLACEMENT)**	A
		Ref	**Note: Use p/n 1001212415 as Replacement.**	
7	70004738	2	Washer	
10	70004739	1	Roller	
11	70004740	1	Boot, Switch	
14	70004741	2	Half, Handle	
17	70004742	1	Enclosure	
18	70004743	4	Nut	
19	70004744	NLA	Boot, Controller (Note: Use Item 200)	
20	70004745	NLA	Tube, Locking (Note: Use Item 200)	
21	70004746	NLA	Disc, Locking (Note: Use Item 200)	
25	70004747	2	Seal, Rope	
26	70004748	1	Screw M3 x 6	
28	70004749	2	Screw M5 x 20	
29	70004750	1	Pin, Dowel	
30	70004751	4	Screw M3 x 16	
101	4460265	1	Connector - 9 Position	
101	4460226	7	Socket, Female	
200	70005230	1	Boot Kit (Includes Items 19-21)	

FIGURE 4-11. SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)

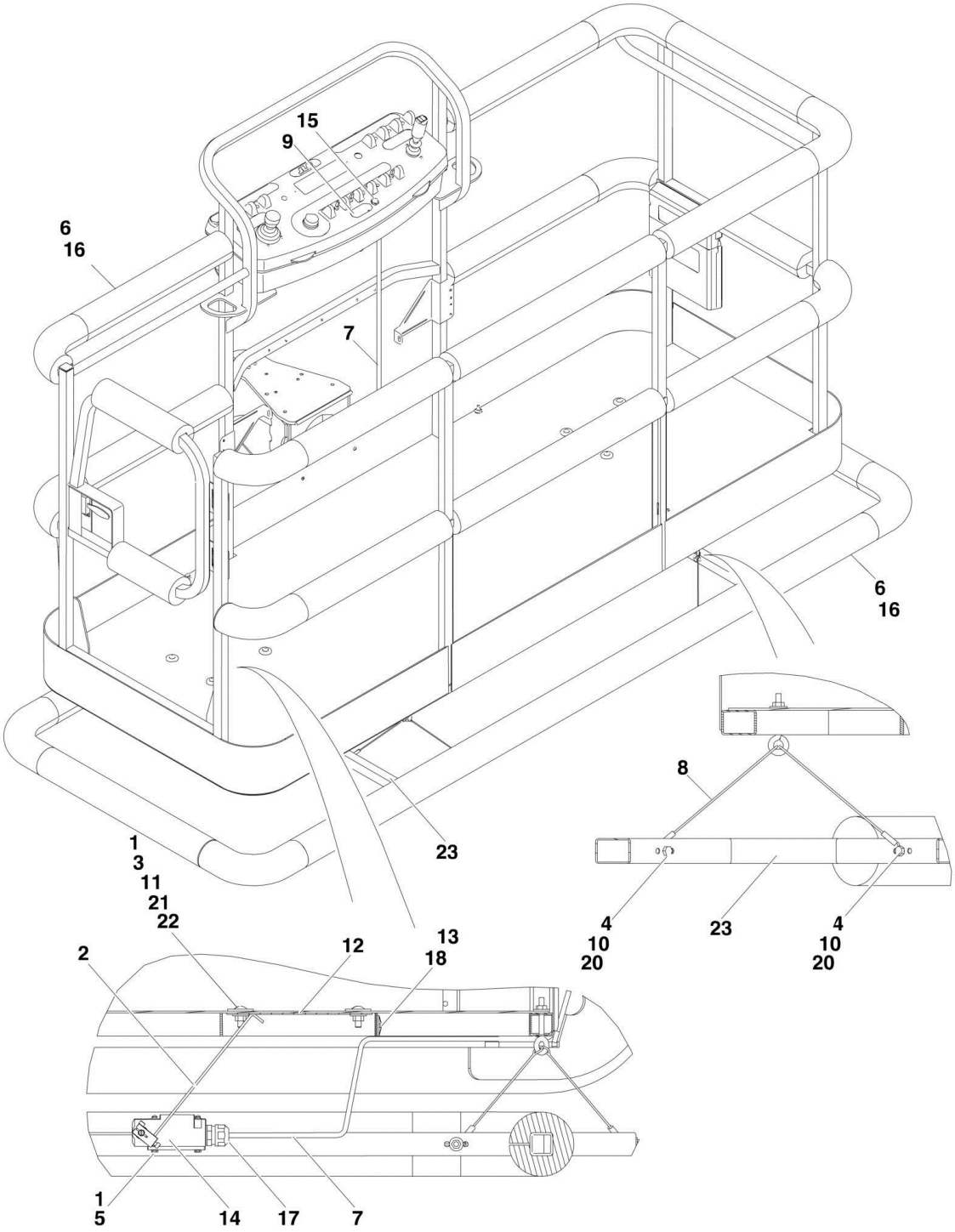


FIGURE 4-11. SOFT TOUCH SYSTEM INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**SOFT TOUCH SYSTEM INSTALLATIONS**	
	0273824	Ref	**6ft Platforms (Side Entry Platform)**	A
	0272427	Ref	**8ft Platforms (Side Entry Platform)**	C
	0273706	Ref	**8ft/2.4m Platforms with Fall Arrest**	A
1	0100011	AR	Compound, Locking	
2	0200048	2	Arm, Switch	
3	0630462	8	Bolt, Carriage	
4	0641414	8	Bolt 1/4in-20NC x 1-3/4in	
5	0721005	4	Bolt #10-24NC x 5/8in	
6		Ref	Bumper Kits (Includes Corners and Enough Straight Material for One Platform)	
6	0940134	1	6ft Platform	
6	0940103	1	8ft Platform	
6	0940133	1	8ft/2.4m Platforms with Fall Arrest	
6	0940092	1	Bumper (Corner) Options:	
6	0940092	12	6ft/8ft Platform	
6	0940092	8	8ft/2.4m Platforms with Fall Arrest	
6	0940094	AR	Bumper (12ft Length)	
7	1060341		Cable, Electrical - 16/2 Options:	
7		Ref	Cable, 6ft Platform	
7		Ref	Cable, 8ft Platform	
8	1060903	4	Wire Rope and Eyebolt Assembly	
9	1702938	1	Decal - Soft Touch Override	
10	3311401	8	Nut 1/4in-20NC	
11	3311501	8	Nut 5/16in-18NC	
12		Ref	Plate, Switch Strike Options:	
12	3575359	2	Plate, Switch Strike 6ft Platform	
12	3574091	2	Plate, Switch Strike 8ft Platform	
13	4240099	7	Tie-Strap	
14	4360057	2	Switch, Limit	
15	4360387	1	Switch, Push Button	
16	4420068	1	Tape, Adhesive	
17	4460049	2	Connector, Strain Relief	
18	4460234	7	Tie-Strap	
19	4460425	1	Connector, Strain Relief	
20	4751400	8	Flatwasher 1/4in	
21	4751500	12	Flatwasher 5/16in	
22	4751800	8	Flatwasher 1/2in	
23		Ref	Rail, Soft Touch Options:	
23	3641569	1	6ft Platform	
23	4846673	1	8ft Platform	
100		Ref	Soft Touch Add-on Kit Options (Includes required components to add option to existing machines) (Not Shown):	
		Ref	**Note: May not be available for all machines depending on existing options. Contact JLG Parts Dept before ordering.**	
100	1001121592	1	Soft Touch Add-on Kit 3ft x 6ft (.9m x 1.83m) Platform	
100	1001121593	1	Soft Touch Add-on Kit 3ft x 6ft (.9m x 2.44m) Platform	

FIGURE 4-12. PLATFORM PADDING INSTALLATION (OPTIONAL) (SIDE ENTRY PLATFORM)

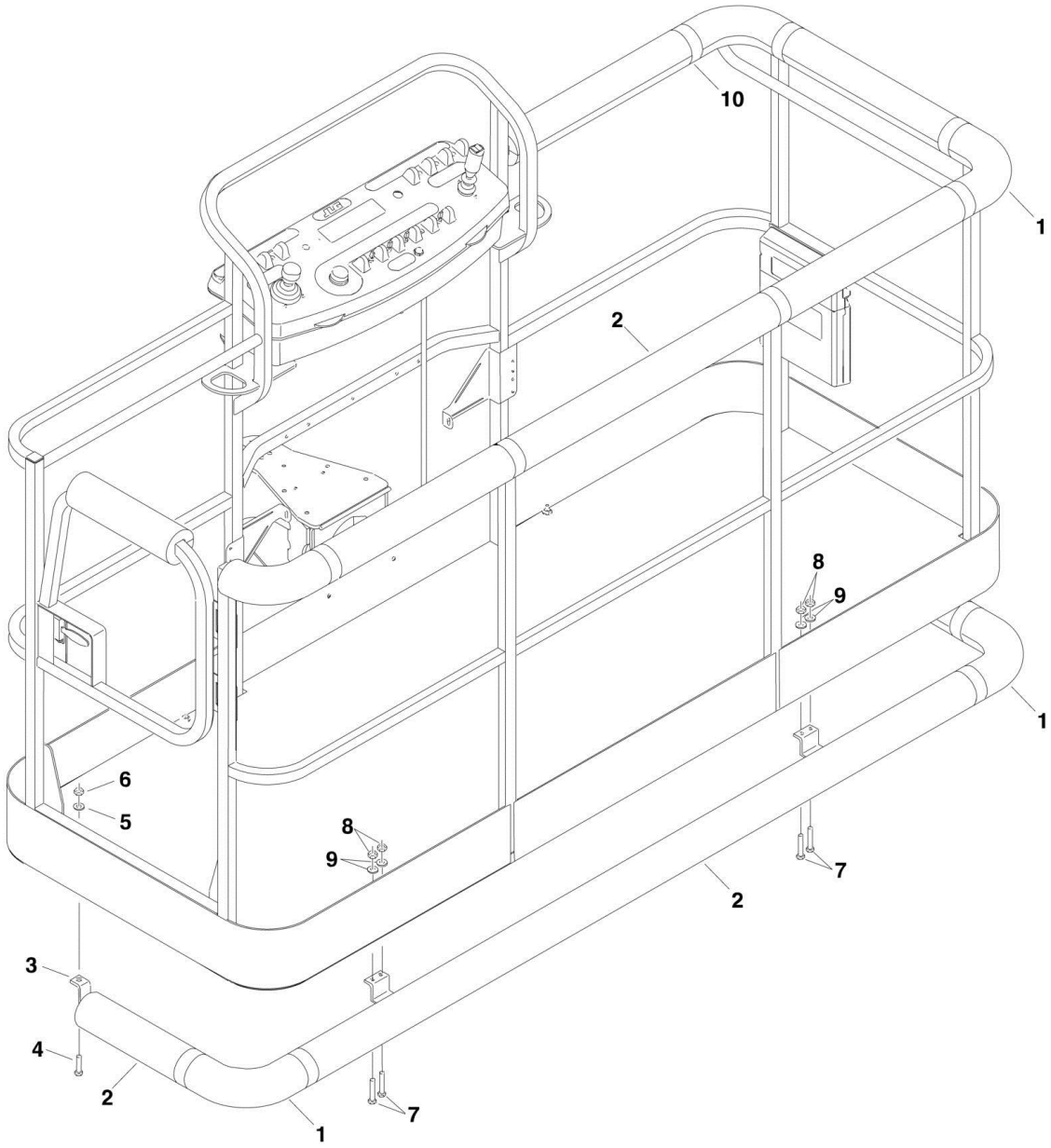


FIGURE 4-12. PLATFORM PADDING INSTALLATION (OPTIONAL) (SIDE ENTRY PLATFORM)

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

FIGURE 4-13. SKYGLAZIER INSTALLATION (600S ONLY)

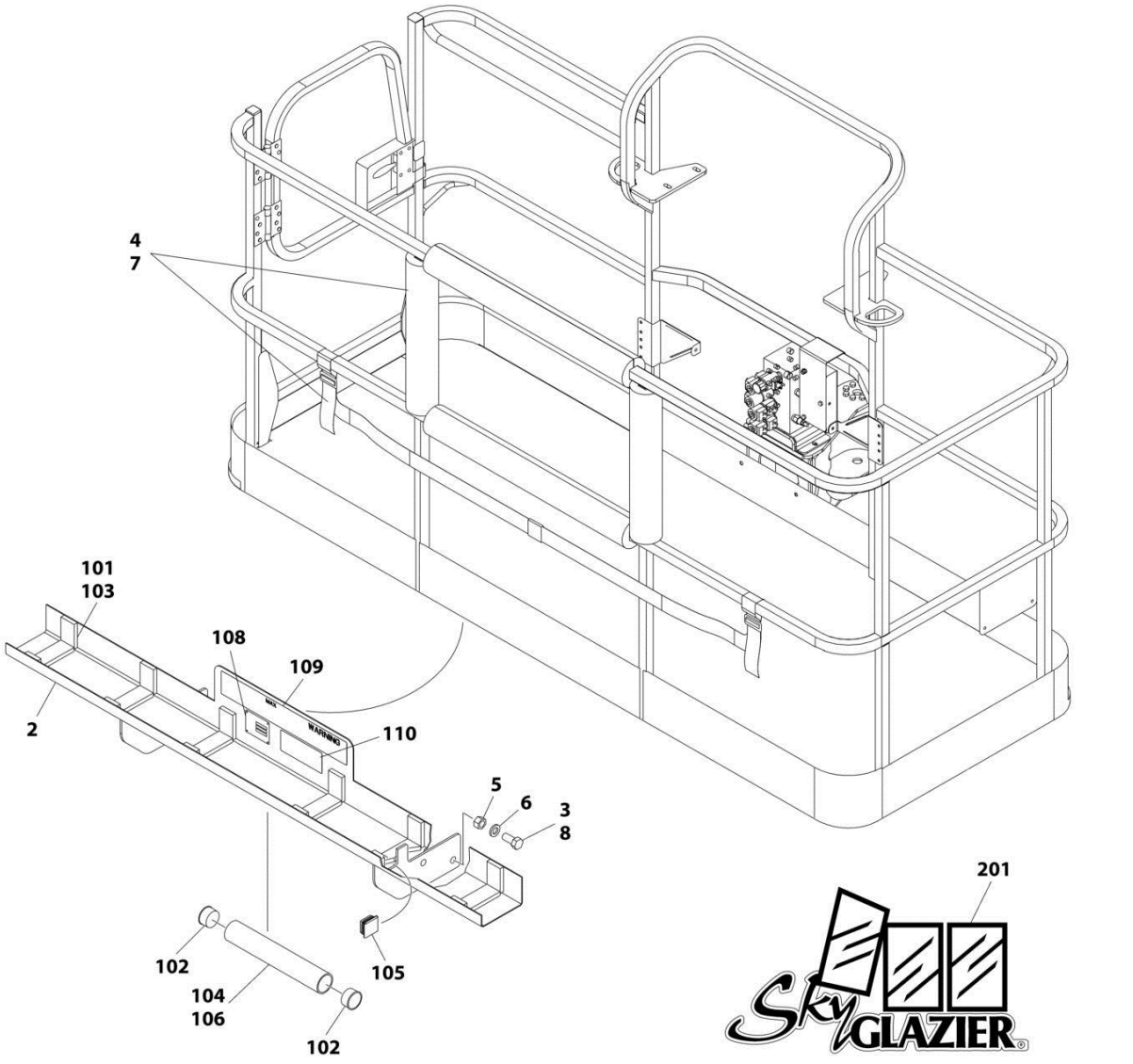
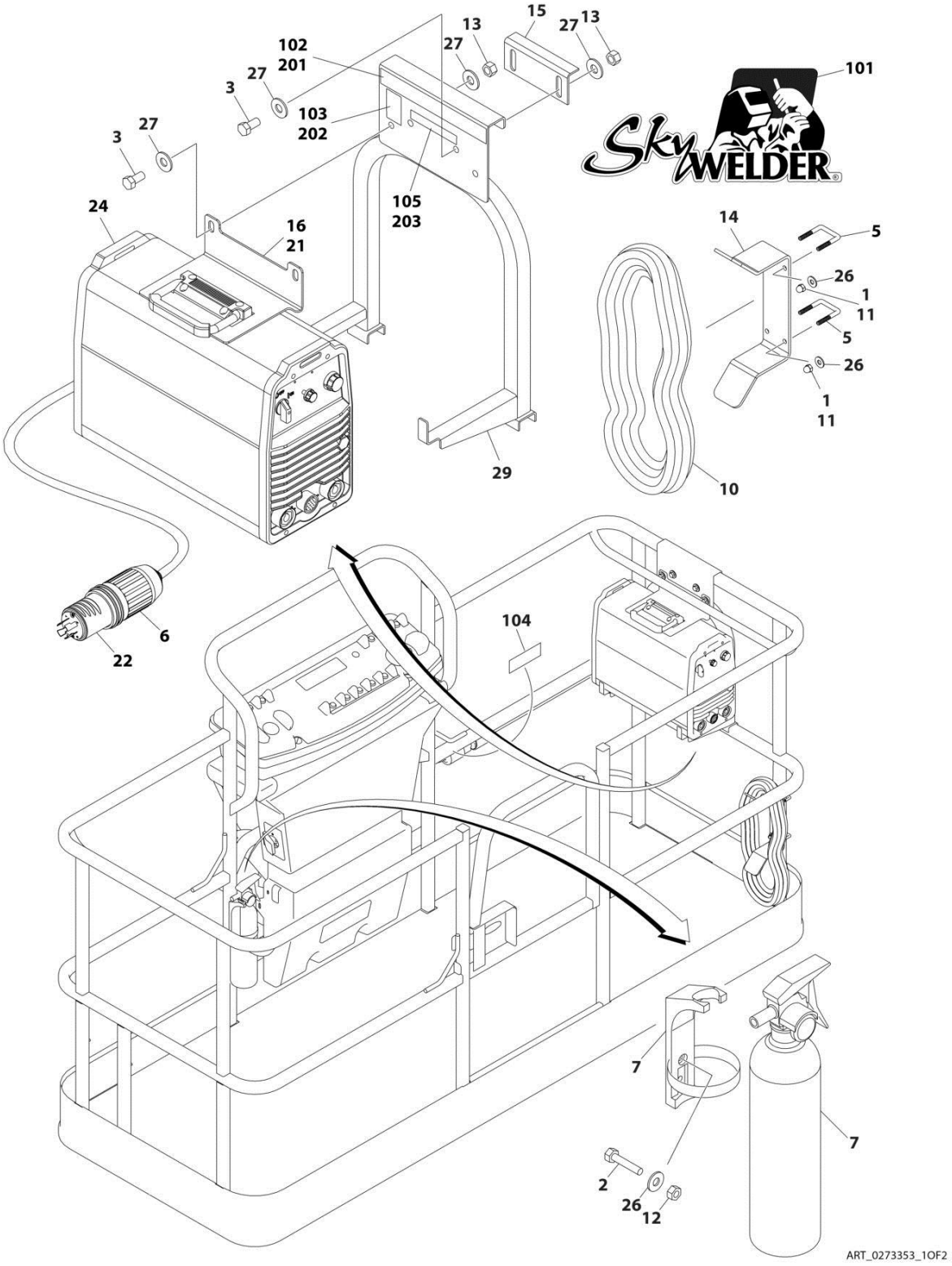
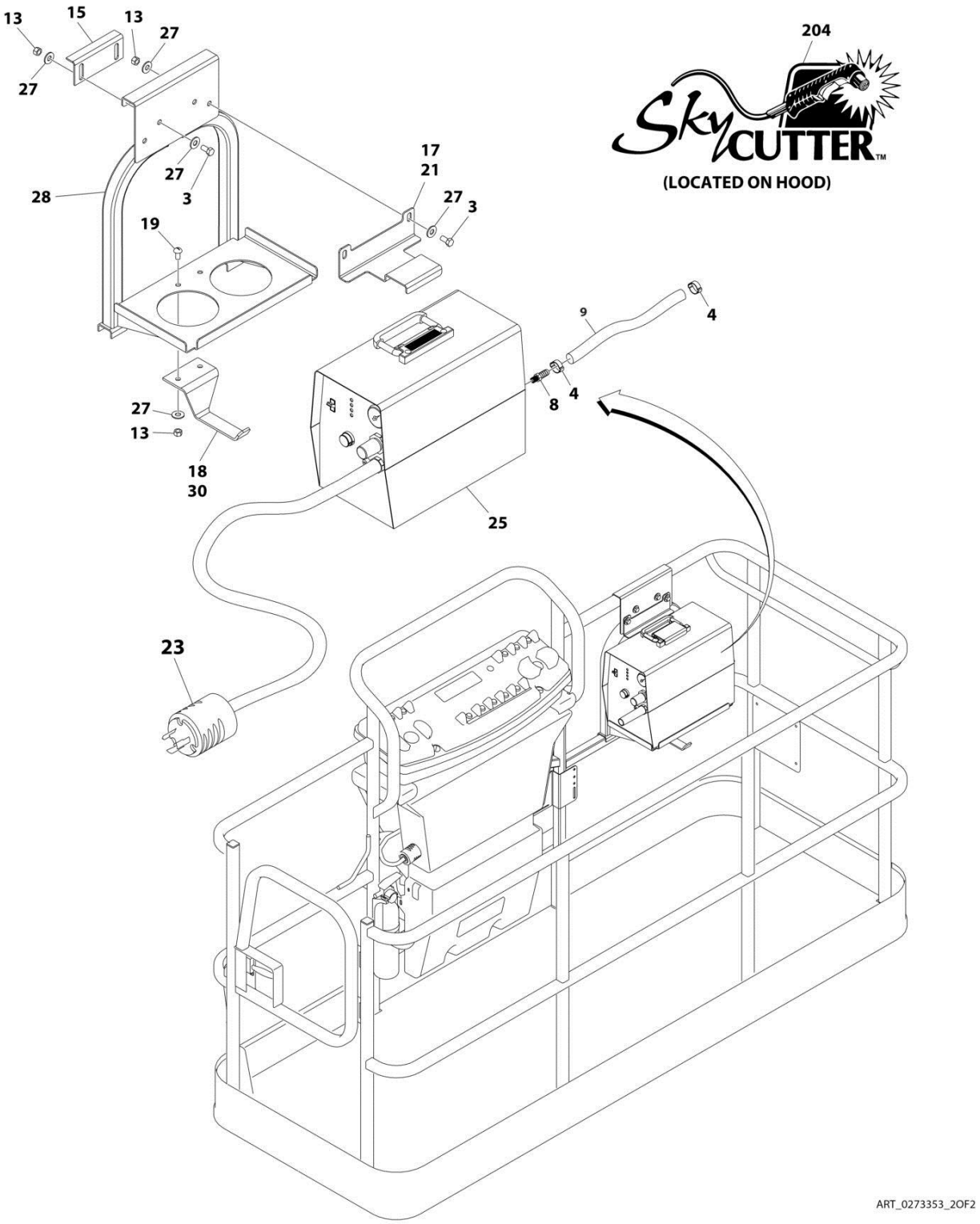


FIGURE 4-13. SKYGLAZIER INSTALLATION (600S ONLY)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272395	Ref	**SKYGLAZIER INSTALLATION (ANSI AND CSA SPECS)**	3
	0272955	Ref	**SKYGLAZIER INSTALLATION (BRAZIL SPECS)**	C
	0272387	Ref	**SKYGLAZIER INSTALLATION (LATIN AMERICAN SPECS)**	C
		Ref	Note: Only Available on 600S for Brazil and Latin American Specs. Available on 600S & 660SJ for ANSI, ANSI Export, Australian and CSA Specs.	
2	0272391	1	Tray Assembly (ANSI and CSA Specs) (See Items 101-110 for Breakdown)	
2	0272951	1	Tray Assembly (BRAZIL Specs) (See Items 101-110 for Breakdown)	
3	0642214	4	Bolt 3/4 x 1-3/4	
4	2902212	1	Bumpers and Strap Kit	
4	0940102	1	Bumper Only	
4	4240149	1	Strap Only	
5	3312201	4	Nut 3/4	
6	4892200	4	Washer 3/4	
7	4420014	AR	Tape	
8	0100011	AR	Compound, Locking	
	0272391	Ref	**TRAY ASSEMBLY (ANSI AND CSA SPECS)**	3
	0272951	Ref	**TRAY ASSEMBLY (BRAZIL SPECS)**	E
	0272948	Ref	**TRAY ASSEMBLY (LATIN AMERICAN SPECS)**	E
101	0100081	AR	Adhesive	
102	1120555	2	Cap, Tube	
103	3340956	1	Pad Kit	
104	3460334	1	Tube	
105	3520071	2	Plug	
106	4420066	AR	Tape, Double Sided	
108	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
109	1705312	1	Decal - Glazier Capacity (ANSI and CSA Specs)	
109	1001163297	2	Decal - Glazier Capacity (Brazil Specs)	
109	1001163296	2	Decal - Glazier Capacity (Latin American Specs)	
110	1701509	2	Decal - Manual	
	0272418	Ref	**SKYGLAZIER DECAL INSTALLATION**	4
201	1705358	2	Decal - SkyGlazier	

FIGURE 4-14. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)

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SkyCUTTER™
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FIGURE 4-14. SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0273353	Ref	**SKYWELDER/SKYCUTTER COMBO INSTALLATION (60HZ)**	B
		Ref	**Note: ANSI, ANSI Export & CSA Spec Only.**	
1	0100011	AR	Compound, Locking	
2	0641406	2	Bolt 1/4 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320177	2	Clamp	
5	1320302	2	Clamp	
6	1671093	1	Cover, Plug	
7	2030010	1	Extinguisher, Fire	
8	2180832	1	Fitting, Barbed/NPT	
9	2720160	4.5 ft/ 1.37m	Hose	
10	2902217	1	Weld Leads Kit	
11	3300151	4	Nut 1/4	
12	3311405	2	Nut 1/4	
13	3311605	4	Nut 3/8	
14	3573400	1	Bracket	
15	3573641	2	Angle	
16	3573642	1	Plate	
17	3573643	1	Plate	
18	3574543	1	Plate	
19	3911612	2	Screw 3/8 x 3/4	
20	4240099	AR	Tie-Strap (Not Shown)	
21	4420037	2.36 ft/ .71m	Tape	
22	4460962	1	Plug, Twist Lock	
23	4460971	1	Plug, Twist Lock	
24	4530022	1	Welder Assembly (See WELDER ASSEMBLY for Breakdown)	
25	4530024	1	Plasma Cutter Assembly (See PLASMA CUTTER ASSEMBLY for Breakdown)	
26	4751400	6	Washer 1/4	
27	4751600	18	Washer 3/8	
28	4846571	1	Support	
29	4846627	1	Support	
30	2820038	AR	Heat Shrink	
	0272448	Ref	**SKYWELDER DECAL INSTALLATION**	B
101	1705355	2	Decal - SkyWelder	
102	1702868	1	Decal - No Hands	
103	1705305	1	Decal - Weld Leads	
104	1705375	1	Decal - 240V - 3 Phase - 60 Hz	
105	1705466	NLA	Decal - Weight (Use p/n 1001228988)	
	0272599	Ref	**SKYCUTTER DECAL INSTALLATION**	B
201	1702868	1	Decal - No Hands	
202	1705305	1	Decal - Weld Leads	
203	1705466	NLA	Decal - Weight (Use p/n 1001228988)	
204	1705490	2	Decal - SkyCutter	

FIGURE 4-15. SKYWELDER INSTALLATION (50HZ)

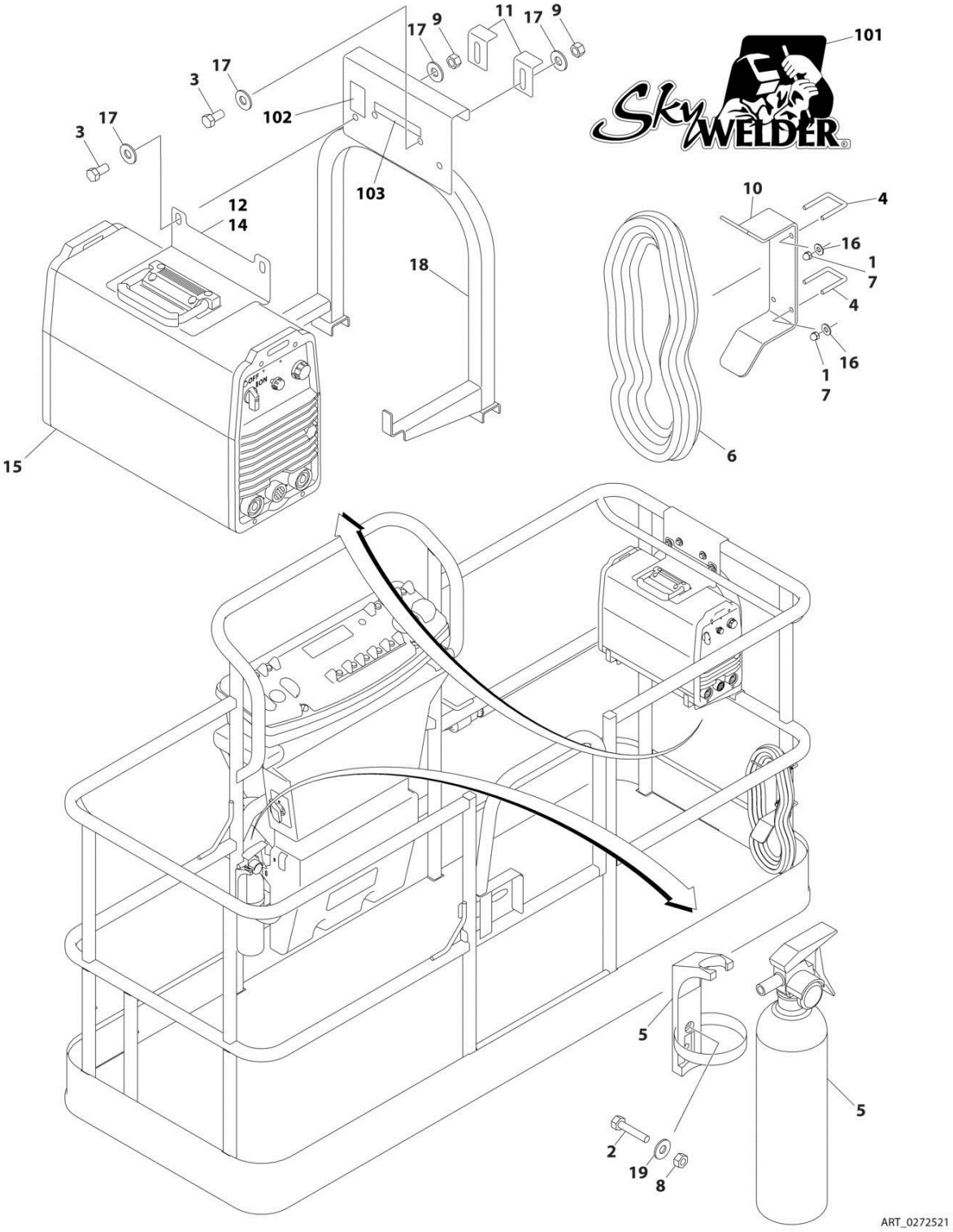

FIGURE 4-15. SKYWELDER INSTALLATION (50HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272521	Ref	**SKYWELDER INSTALLATION (50HZ)**	D
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4240099	AR	Tie-Strap (Not Shown)	
14	4420037	AR	Tape	
15	4530028	1	Welder Assembly (See WELDER ASSEMBLY for Breakdown)	
16	4751400	4	Washer 1/4	
17	4751600	8	Washer 3/8	
18	4846627	1	Support	
19	4751000	2	Washer #10	
	0272588	Ref	**SKYWELDER DECAL INSTALLATION**	B
101	1705355	2	Decal - SkyWelder	
102	1705305	1	Decal - Weld Lead	
103	1705466	NLA	Decal - Weight (Use p/n 1001228988)	

FIGURE 4-16. SKYWELDER INSTALLATION (60HZ)

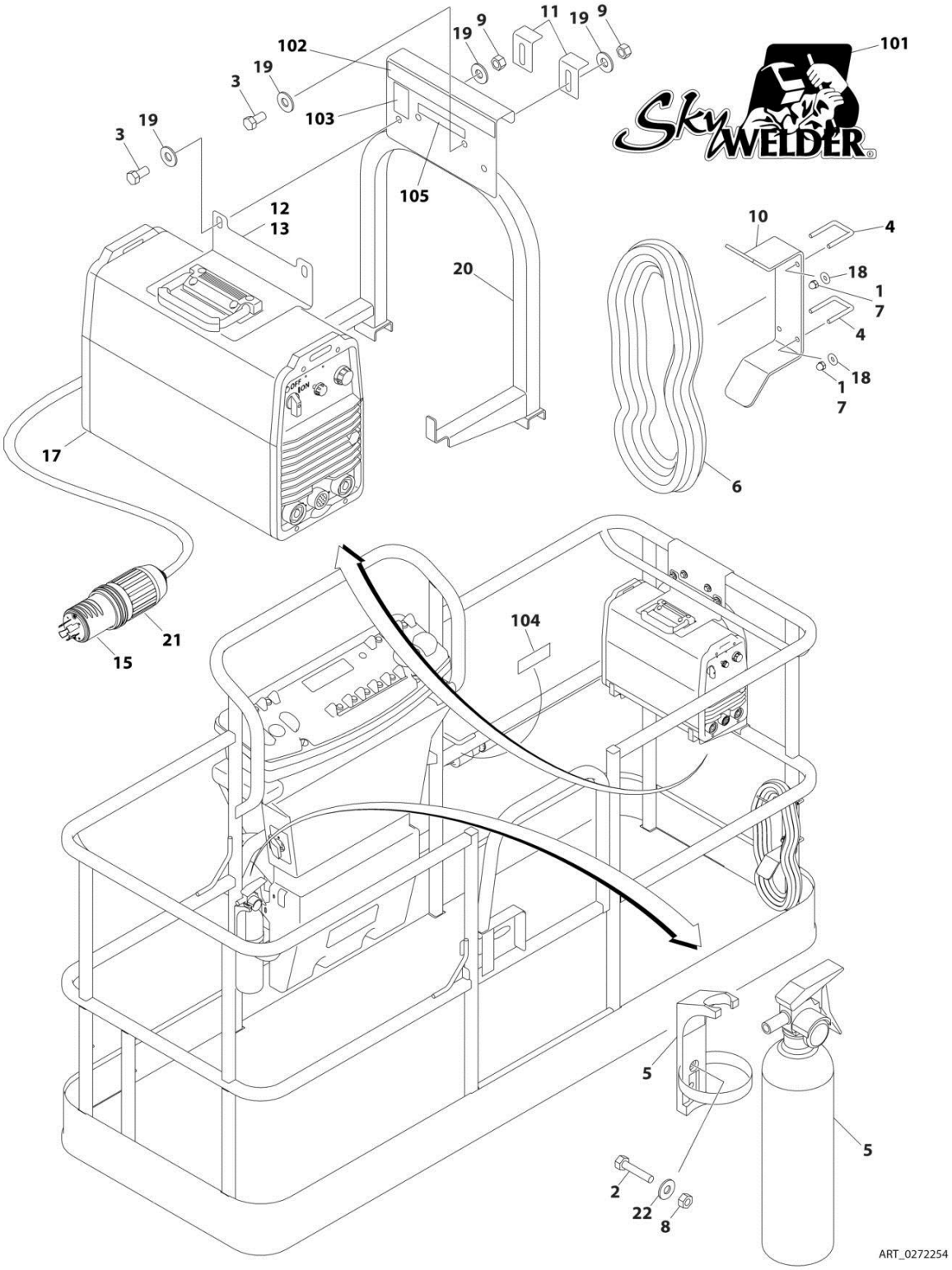

FIGURE 4-16. SKYWELDER INSTALLATION (60HZ)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0272254	Ref	**SKYWELDER INSTALLATION (60HZ)**	I
1	0100011	AR	Compound, Locking	
2	0630518	2	Screw #10 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	U-Clamp	
5	2030010	1	Extinguisher, Fire	
6	2902217	1	Weld Leads Kit	
7	3300151	4	Nut 1/4	
8	3311005	2	Nut #10	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket	
11	3577121	2	Angle	
12	3573642	1	Plate	
13	4420037	AR	Tape	
14	4240099	AR	Tie-Strap (Not Shown)	
15	4460962	1	Plug, Male Twistlock	
17	4530028	1	Welder Assembly (See WELDER ASSEMBLY for Breakdown)	
18	4751400	4	Washer 1/4	
19	4751600	8	Washer 3/8	
20	4846627	1	Support	
21	1671093	1	Cover, Plug	
22	4751000	2	Washer #10	
	0272448	Ref	**SKYWELDER DECAL INSTALLATION**	B
101	1705355	2	Decal - SkyWelder	
102	1702868	1	Decal - No Hands	
103	1705305	1	Decal - Weld Lead	
104	1705375	1	Decal - 240V - 3 Phase - 60Hz	
105	1705466	NLA	Decal - Weight (Use p/n 1001228988)	

FIGURE 4-17. SKYCUTTER INSTALLATION

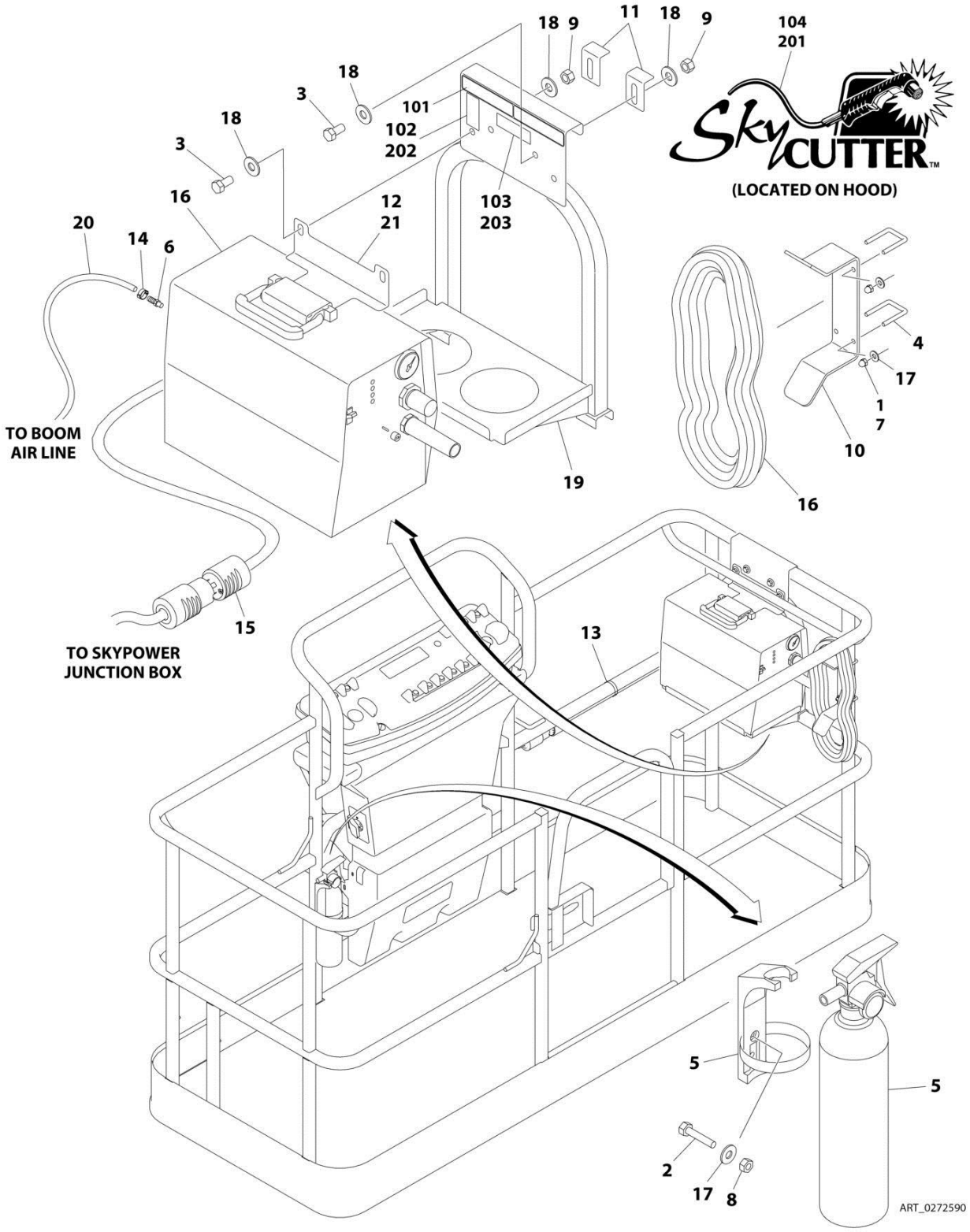

FIGURE 4-17. SKYCUTTER INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**SKYCUTTER INSTALLATION**	
	0272590	Ref	**SkyCutter Installation - 60Hz Power Supply**	D
	0272606	Ref	**SkyCutter Installation - 50Hz Power Supply**	D
		Ref	**Note: When replacing platform on machines with SkyCutter option, new bracket p/n 1001145405 must be purchased to accommodate SkyCutter components.**	
1	0100011	AR	Compound, Locking	
2	0641406	2	Bolt 1/4 x 3/4	
3	0641606	4	Bolt 3/8 x 3/4	
4	1320302	2	Clamp	
5	2030010	1	Extinguisher, Fire	
6	2180832	1	Fitting, NPT/Barbed	
7	3300151	4	Nut 1/4	
8	3311405	2	Nut 1/4	
9	3311605	4	Nut 3/8	
10	3573400	1	Bracket, Cable	
11	3573641	2	Plate, Clamp (Use p/n 3577121)	
12	3573643	1	Plate, Top Support	
13	4240099	AR	Tie, Wire	
14	1320177	2	Clamp, Hose	
15	4460971	1	Plug, Twistlock	
16	4530024	1	Plasma Cutter Assembly - 60Hz Power Supply (See PLASMA CUTTER ASSEMBLY for Breakdown)	
16	4530025	1	Plasma Cutter Assembly - 50Hz Power Supply (See PLASMA CUTTER ASSEMBLY for Breakdown)	
17	4751400	6	Washer 1/4	
18	4751600	8	Washer 3/8	
19	4846571	1	Support	
20	2720160	4 ft/1.2m	Hose	
21	4420037	AR	Tape, Insulation	
	0272599	Ref	**SKYCUTTER DECAL INSTALLATION (ANSI, ANSI Export and CSA Specs)**	A
101	1702868	1	Decal - No Hands (60Hz Power Supply Only)	
102	1705305	1	Decal - Weld Lead	
103	1705466	1	Decal - Weight	
104	1705490	2	Decal - SkyCutter	
	0272607	Ref	**SKYCUTTER DECAL INSTALLATION (JAPANESE SPECS)**	A
201	1705490	2	Decal - SkyCutter	
202	1705305	1	Decal - Weld Lead	
203	1705466	1	Decal - Weight	

FIGURE 4-18. PLASMA CUTTER ASSEMBLY

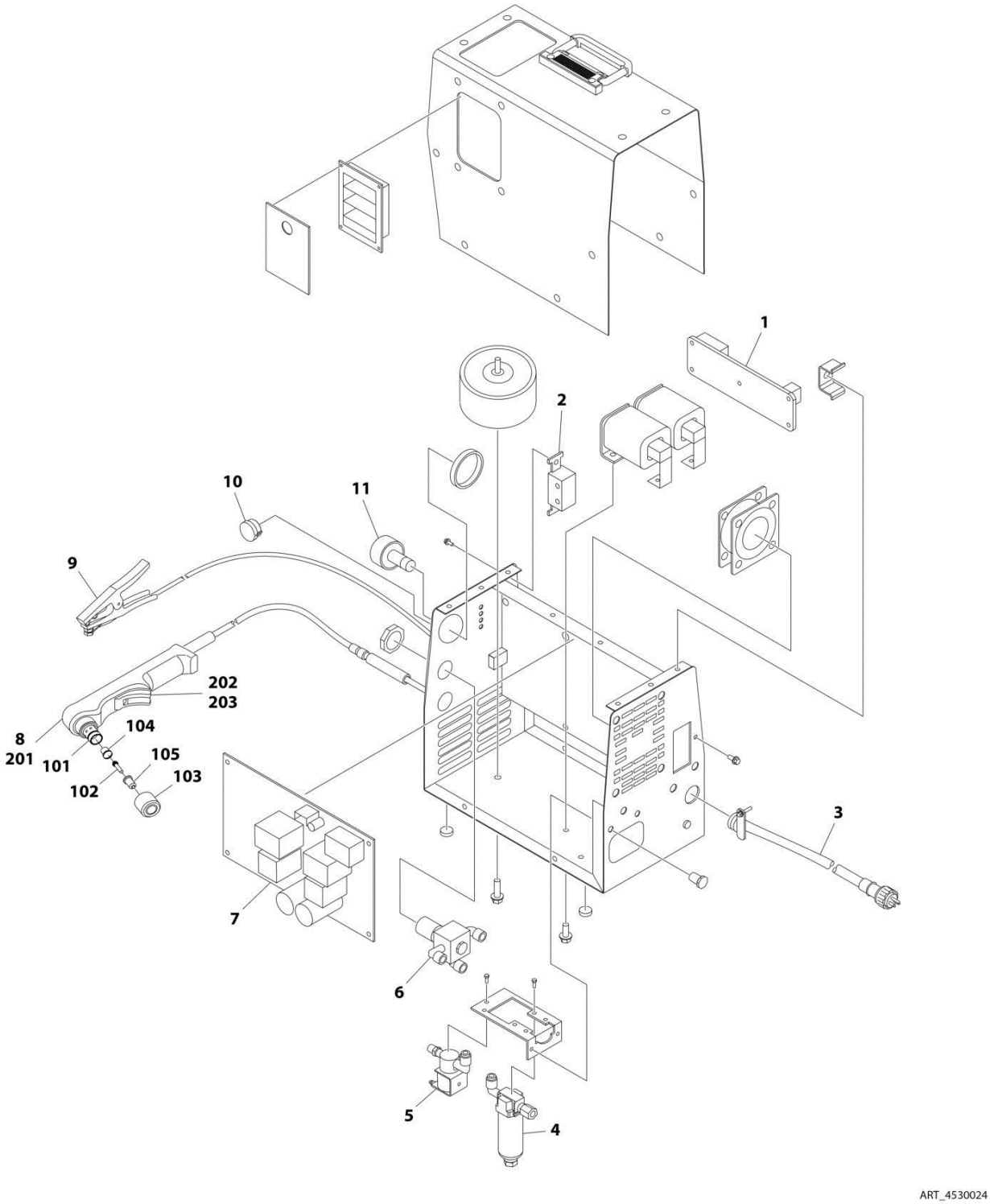

FIGURE 4-18. PLASMA CUTTER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**PLASMA CUTTER ASSEMBLY**	
	4530024	Ref	**Plasma Cutter Assembly - 60Hz Power Supply**	D
	4530025	Ref	**Plasma Cutter Assembly - 50Hz Power Supply**	D
		Ref	**Note: For other components see your Miller Dealer.**	
1	7024519	1	Circuit Card - 60Hz Power Supply	
1	7024538	1	Circuit Card - 50Hz Power Supply	
2	7024520	1	Switch	
3	7024521	10 ft/ 3m	Cable, Power - 60Hz Power Supply	
3	7024539	10 ft/ 3m	Cable, Power - 50Hz Power Supply	
4	7024522	1	Filter, Air	
5	7024523	1	Valve, Air - 60Hz Power Supply	
5	7024540	1	Valve, Air - 50Hz Power Supply	
6	7024524	1	Regulator, Air	
7	7024525	1	Circuit Card - 60Hz Power Supply	
7	7024541	1	Circuit Card - 50Hz Power Supply	
8	7024526	1	Torch Assembly (See Items 101-203 for Breakdown)	
9	7024527	1	Clamp	
10	7024528	1	Knob	
11	7024529	1	Gauge, Air	
	7024526	Ref	**TORCH ASSEMBLY**	
101	7024530	1	O-Ring	
102	7024531	1	Electrode	
103	7024532	1	Cup, Retaining	
104	7024533	1	Swirl Ring	
105	7024534	1	Tip	
201	7024535	1	Handle, Torch	
202	7024536	1	Switch	
203	7024537	1	Trigger	

FIGURE 4-19. PIPE RACKS INSTALLATION (ANSI & CSA SPECS)

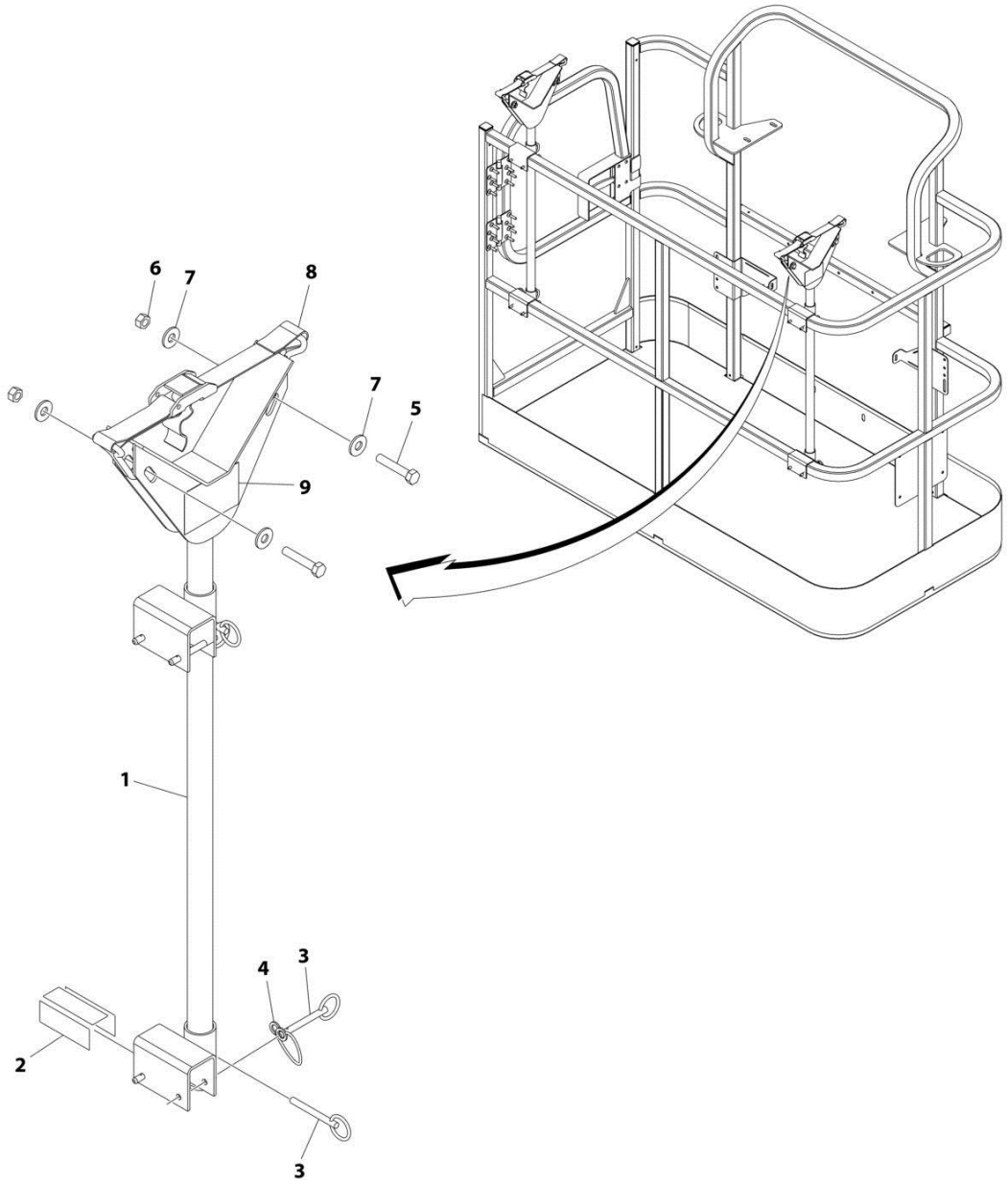

FIGURE 4-19. PIPE RACKS INSTALLATION (ANSI & CSA SPECS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257728	Ref	**PIPE RACKS INSTALLATION (ANSI & CSA SPECS)**	2/C
1	4845582	2	Rack, Pipe	
2	4420062	AR	Tape	
3	3422661	10	Pin	
4	1060379	4	Lanyard	
5	0641514	4	Bolt 5/16 x 1-3/4	
6	3311505	4	Nut 5/16	
7	4751500	8	Washer 5/16	
8	0480100	2	Tie-Down	
9	1703683	2	Decal - Capacity	

FIGURE 4-20. WELDER ASSEMBLY

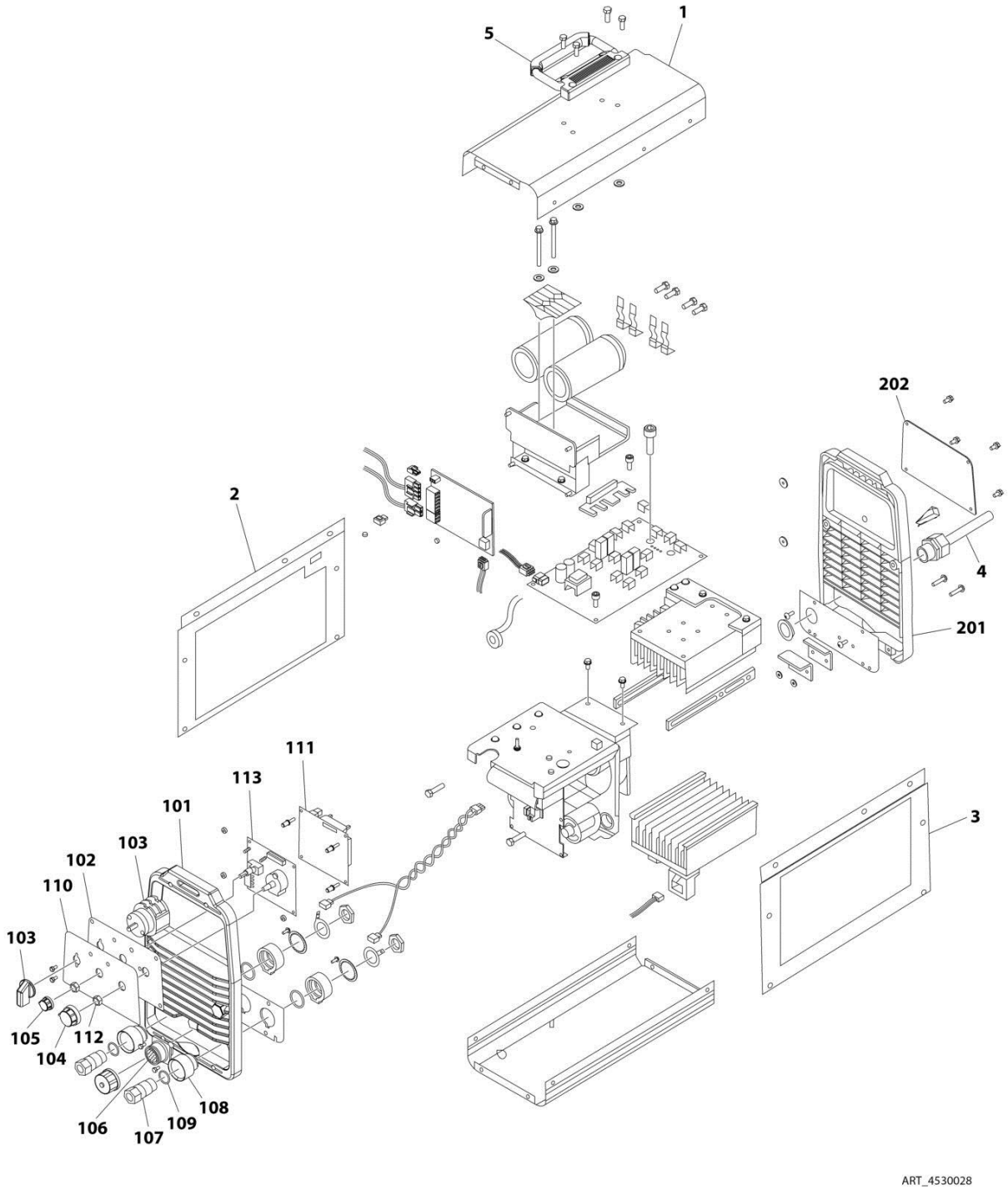

FIGURE 4-20. WELDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4530028	Ref	**WELDER ASSEMBLY**	B
		Ref	**Note: For Other Components, contact your Miller Welder Dealer.**	
1	7027773	1	Cover, Top	
1	7027774	1	Decal - Static Precautionary Warning	
2	See Note	NSS	Panel, LH Side (Note: Part of Item 1. Purchase Item 1)	
3	See Note	NSS	Panel, RH Side (Note: Part of Item 1. Purchase Item 1)	
4	7024467	1	Cable, Power	
4	7027775	1	Decal - Electrical Shock Warning (Not Shown)	
5	7027776	1	Handle, Carrying	
101	7024462	1	Panel, Front	
102	7024463	1	Panel, Console	
103	7024469	1	Switch with Lead	
104	7024470	1	Knob	
105	7024471	1	Knob	
106	7024472	1	Receptacle with Leads and Plugs	
107	7024473	2	Receptacle, Twistlock Female	
108	7024474	2	Insulator	
109	7024475	2	O-Ring	
110	7027777	1	Nameplate	
111	7027779	1	Circuit Card Assembly (Process Control)	
112	7024478	2	Nut	
113	7027778	1	Circuit Card Assembly (Operator Interface)	
201	7024462	1	Panel, Rear	
202	7027780	1	Panel, Cover	

SECTION 5 - CYLINDER

SECTION 5 - CYLINDER

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300068000 through 0300075605)

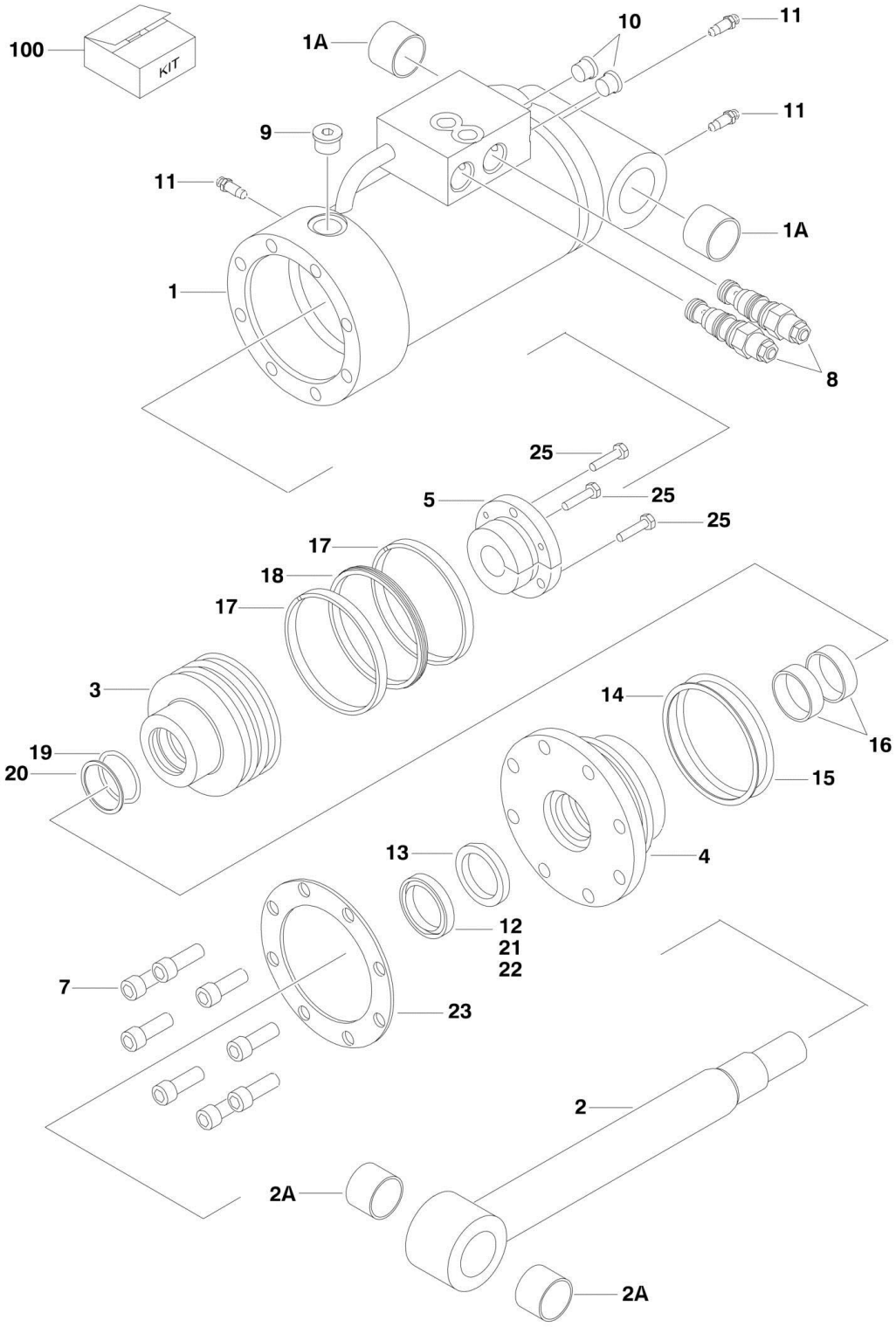

FIGURE 5-1. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1683078	Ref	**AXLE LOCKOUT CYLINDER ASSEMBLY**	H
1	1684191	1	Barrel Weldment	
1A	0962496	2	Bushing	
2	1683986	1	Rod Weldment	
2A	0962496	2	Bushing	
3	3480176	1	Piston	
4	1683059	1	Head	
5	0961895	1	Bushing	
7	3931720	8	Bolt, Socket Head 7/16in-14NC x 1-1/4in	
8	4641162	2	Cartridge, Valve (Counterbalance)	
8	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	See Note	NSS	Wiper (Note: Use Item 100)	
13	See Note	NSS	Seal, Rod (Note: Use Item 100)	
14	See Note	NSS	O-Ring (Note: Use Item 100)	
15	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
16	See Note	NSS	Ring, Wear (Note: Use Item 100)	
17	See Note	NSS	Ring, Wear (Note: Use Item 100)	
18	See Note	NSS	T-Seal (Note: Use Item 100)	
19	See Note	NSS	O-Ring (Note: Use Item 100)	
20	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
21	0100011	AR	Compound, Locking	
22	0100038	AR	Primer, Locking	
23	3760367	1	Ring, Washer	
25	0630535	3	Screw, Socket Head 1/4in-20NC x 1-1/8in	
100	2901271	1	Seal Kit - 1683078 Cylinder (Includes Items 12-20)	

FIGURE 5-2. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300075606 through 0300087000)

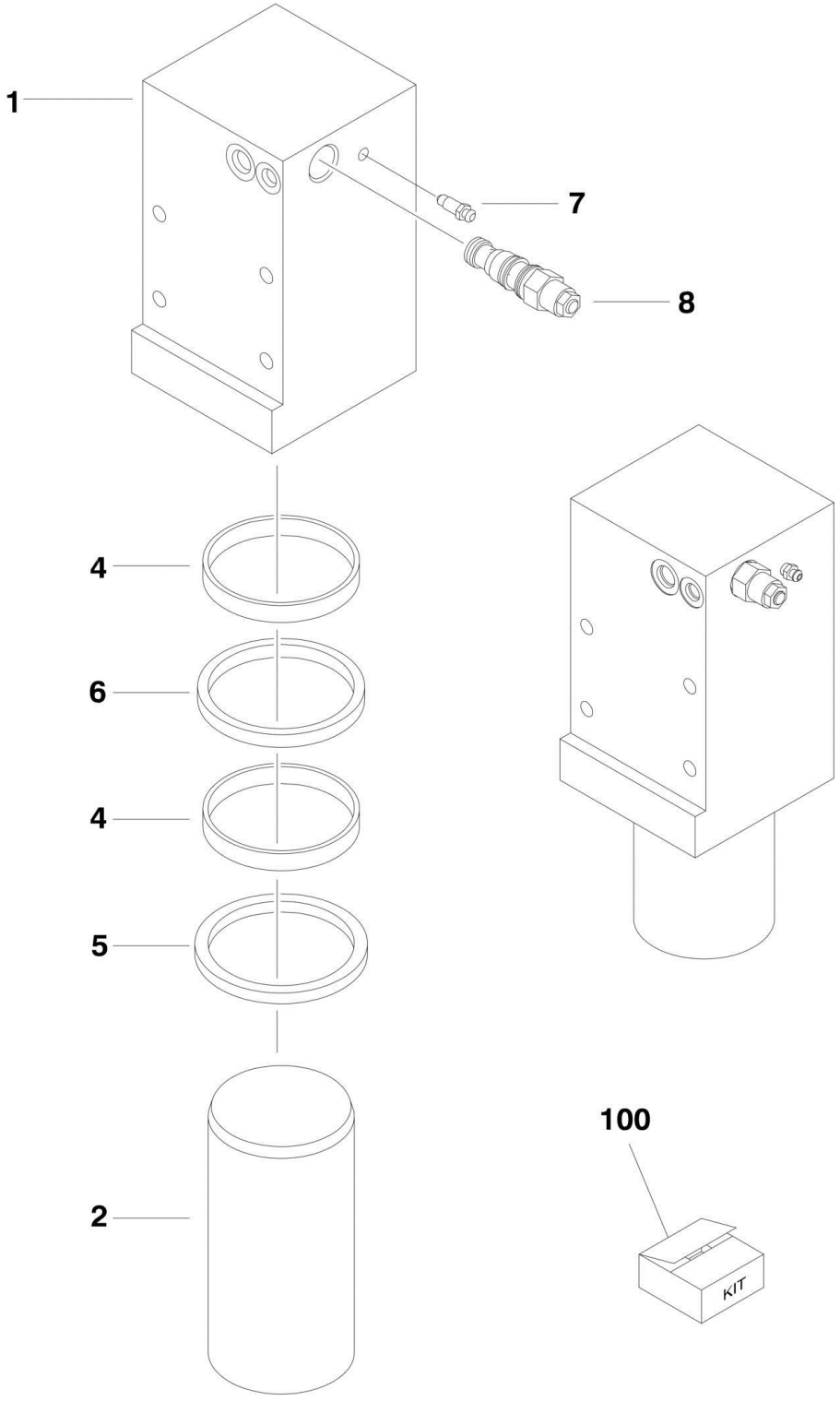

FIGURE 5-2. AXLE LOCKOUT CYLINDER ASSEMBLY (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1684280	Ref	**AXLE LOCKOUT CYLINDER ASSEMBLY**	E
1	1684289	1	Barrel	
2	1684290	1	Rod	
4	See Note	NSS	Ring, Wear (Note: Use Item 100)	
5	See Note	NSS	Wiper (Note: Use Item 100)	
6	See Note	NSS	Seal, Rod (Note: Use Item 100)	
7	4640476	1	Bleeder	
8	4641319	1	Cartridge, Valve	
8	7024879	1	Seal Kit	
100	2902266	1	Seal Kit (Includes Items 4-6)	

FIGURE 5-3. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (ORIGINAL EQUIPMENT)

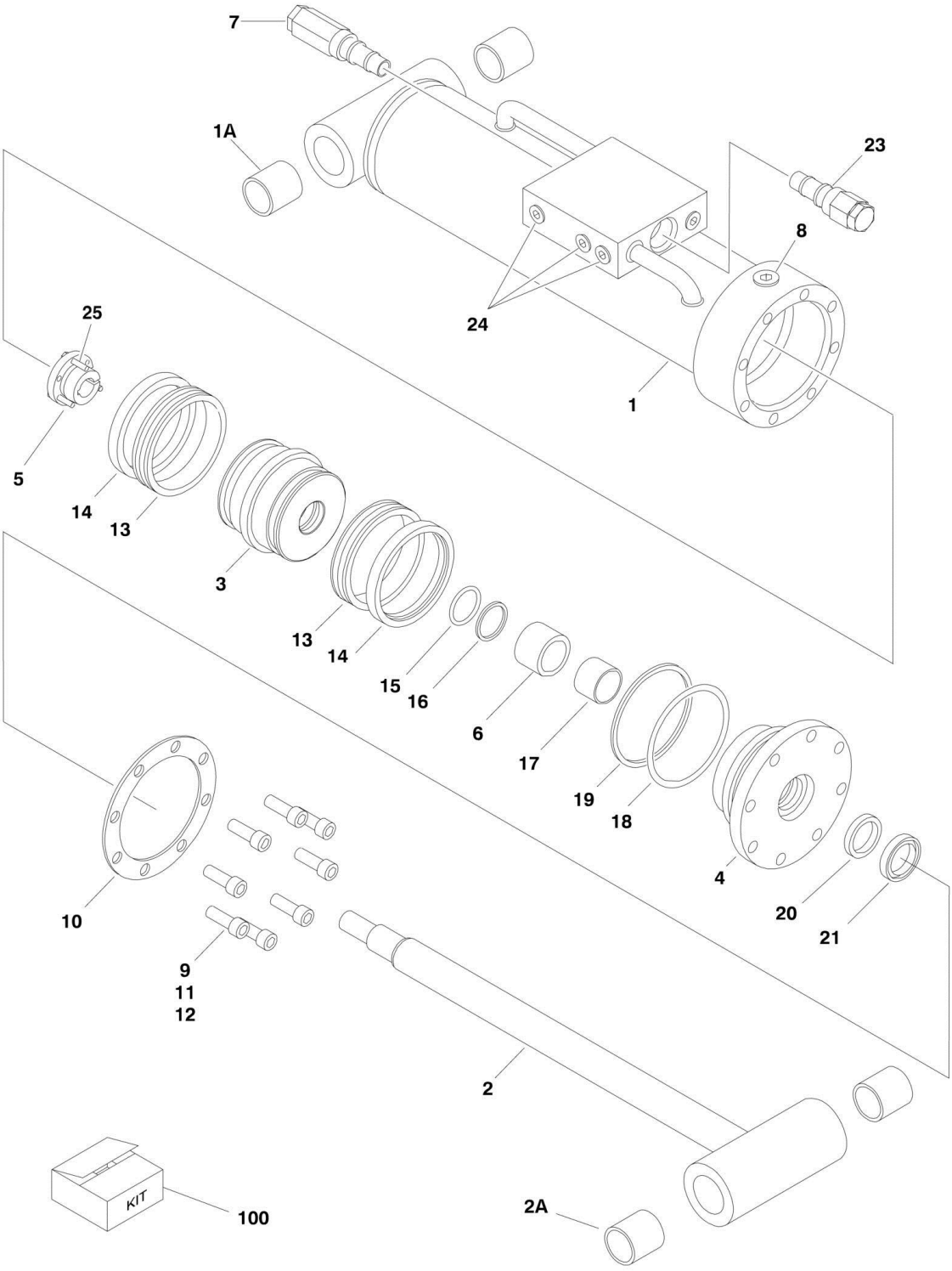

FIGURE 5-3. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (ORIGINAL EQUIPMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1683415	Ref	**LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (Original Equipment)**	C
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1683977	1	Barrel Weldment	
1A	0961947	2	Bushing	
2	1683976	1	Rod Weldment	
2A	0961947	2	Bushing	
3	3480210	1	Piston	
4	1683053	1	Head	
5	0961893	1	Bushing, Tapered	
6	4566468	1	Spacer	
7	4640509	1	Cartridge, Valve	
7	2900792	1	Seal Kit - 4640509 Valve	
8	2220885	1	Plug, O-Ring	
9	3931516	8	Capscrew, Socket Head 5/16in-18NC x 1in	
10	3760368	1	Ring, Washer	
11	0100011	AR	Compound, Locking	
12	0100038	AR	Primer, Locking	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	Ring, Lock (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
17	See Note	NSS	Ring, Wear (Note: Use Item 100)	
18	See Note	NSS	O-Ring (Note: Use Item 100)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
20	See Note	NSS	Seal, Rod (Note: Use Item 100)	
21	See Note	NSS	Wiper (Note: Use Item 100)	
23	4640932	1	Cartridge, Valve	
23	7011112	1	Seal Kit - 4640932 Valve	
24	2220883	8	Plug, O-Ring	
25	0630534	3	Screw, Socket Head #10-24NC x 1in	
100	2901303	1	Seal Kit (Includes Items 13-21)	

FIGURE 5-4. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT)

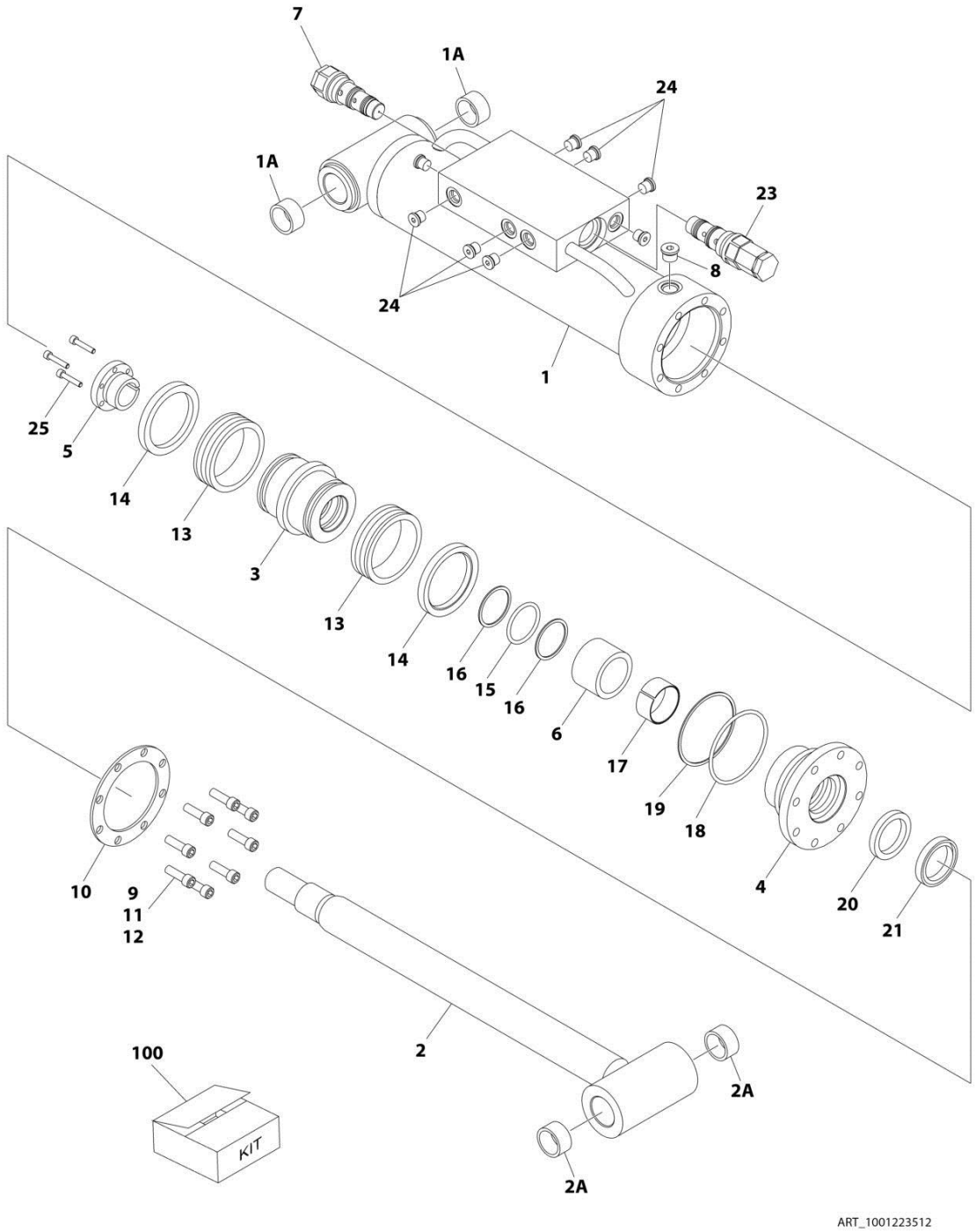

FIGURE 5-4. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223512	Ref	**LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT)**	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1001223511	1	Barrel Weldment	
1A	0961947	2	Bushing	
2	1683976	1	Rod Weldment	
2A	0961947	2	Bushing	
3	3480210	1	Piston	
4	1683053	1	Head	
5	0961893	1	Bushing, Tapered	
6	4566468	1	Spacer	
7	4640509	1	Cartridge, Valve	
7	2900792	1	Seal Kit 4640509 Valve	
8	2220885	1	Plug, O-Ring	
9	3931516	8	Capscrew 5/16 x 1	
10	3760368	1	Ring, Washer	
11	0100011	AR	Compound, Locking	
12	0100038	AR	Primer, Locking	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	Ring, Lock (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
17	See Note	NSS	Ring, Wear (Note: Use Item 100)	
18	See Note	NSS	O-Ring (Note: Use Item 100)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
20	See Note	NSS	Seal, Rod (Note: Use Item 100)	
21	See Note	NSS	Wiper (Note: Use Item 100)	
23	4640932	1	Cartridge, Valve	
23	7011112	1	Seal Kit 4640932 Valve	
24	2220883	8	Plug, O-Ring	
25	0630534	3	Screw #10 x 1	
100	2901303	1	Seal Kit (Includes Items 13-21)	

FIGURE 5-5. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT)

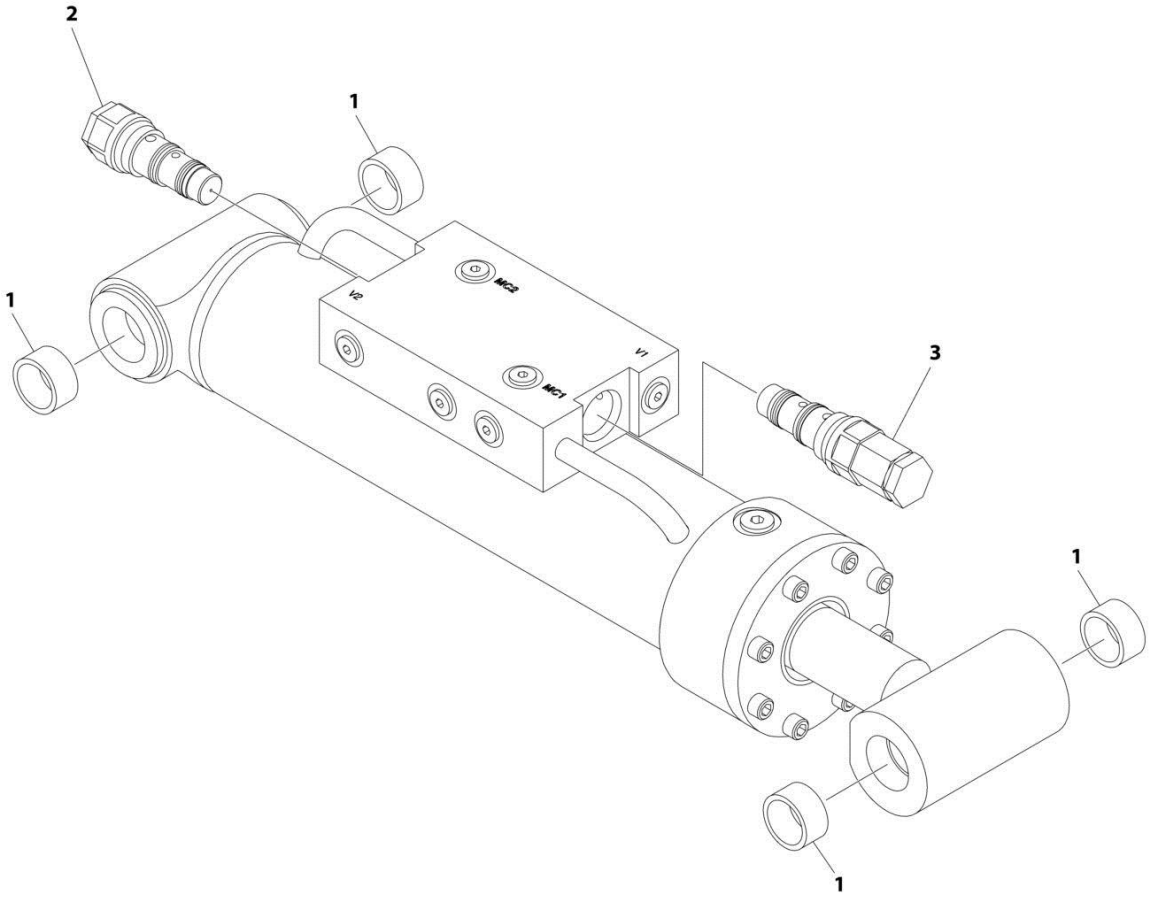

FIGURE 5-5. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228008	Ref	**LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600S (SERVICE REPLACEMENT)**	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
		Ref	Note: No Service Parts Available at time of Printing	
1	0961947	4	Bushing	
2	4640509	1	Cartridge, Valve	
2	2900792	1	Seal Kit - 4640509 Valve	
3	4640932	1	Cartridge, Valve	
3	7011112	1	Seal Kit - 4640932 Valve	

FIGURE 5-6. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (ORIGINAL EQUIPMENT)

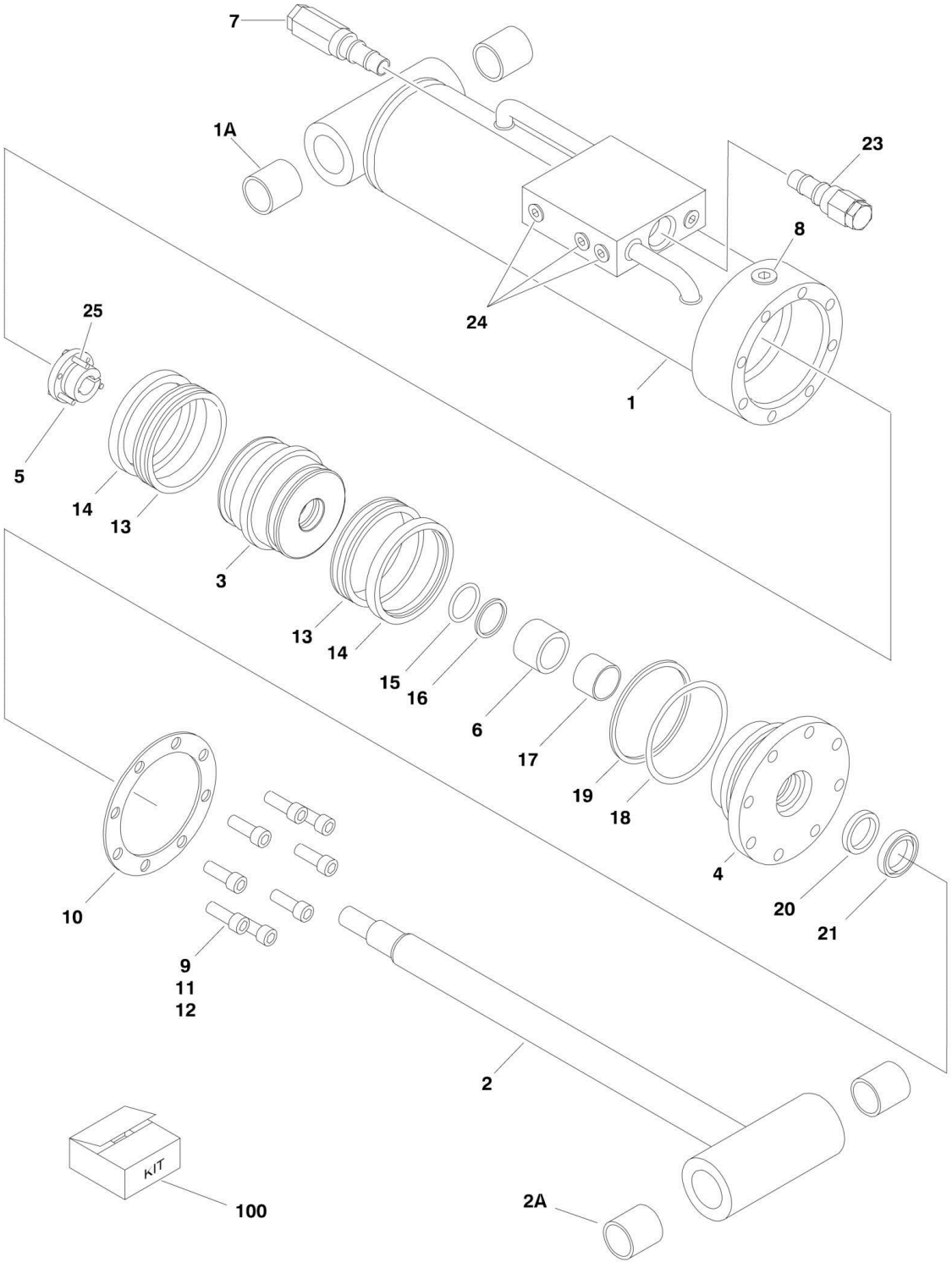

FIGURE 5-6. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (ORIGINAL EQUIPMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1683418	Ref	**LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (ORIGINAL EQUIPMENT)**	D
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1683952	1	Barrel Weldment (Note: Item 1A not included - Purchase Separately)	
1A	0961951	2	Bushing	
2	1683963	1	Rod Weldment (Note: Item 2A not included - Purchase Separately)	
2A	0961951	2	Bushing	
3	3480188	1	Piston	
4	1683055	1	Head	
5	0961894	1	Bushing, Tapered	
6	4566468	1	Spacer	
7	4640509	1	Cartridge, Valve	
7	2900792	1	Seal Kit - 4640509 Valve	
8	2220885	1	Plug, O-Ring	
9	3931620	8	Capscrew, Socket Head 3/8in-16NC x 1-1/4in	
10	3760369	1	Ring, Washer	
11	0100011	AR	Compound, Locking	
12	0100038	AR	Primer, Locking (Not Shown)	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	Ring, Lock (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
17	See Note	NSS	Ring, Wear (Note: Use Item 100)	
18	See Note	NSS	O-Ring (Note: Use Item 100)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
20	See Note	NSS	Seal, Rod (Note: Use Item 100)	
21	See Note	NSS	Wiper (Note: Use Item 100)	
23	4640932	1	Cartridge, Valve	
23	7011112	1	Seal Kit - 4640932 Valve	
24	2220883	8	Plug, O-Ring	
25	0630535	3	Screw, Socket Head 1/4in-20NC x 1-1/8in	
100	2901301	1	Seal Kit - 1683418 Cylinder (Includes Items 13-21)	

FIGURE 5-7. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT)

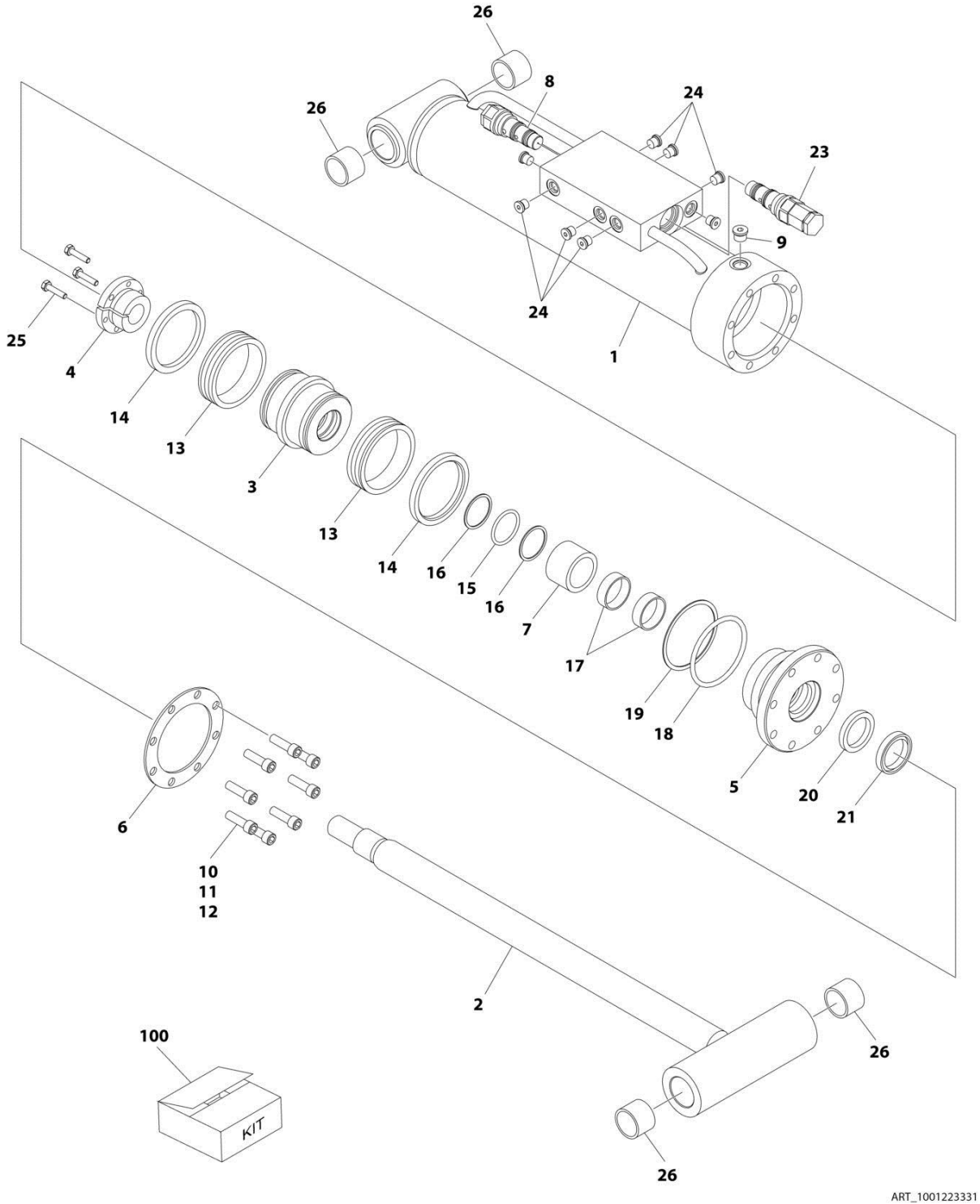

FIGURE 5-7. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001223331	Ref	**LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT)**	B
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1001223332	1	Barrel Weldment	
2	1683963	1	Rod Weldment	
3	3480188	1	Piston	
4	0961894	1	Bushing, Tapered	
5	1683055	1	Head	
6	3760369	1	Ring, Washer	
7	4566468	1	Spacer	
8	4640509	1	Cartridge, Valve	
8	2900792	1	Seal Kit - 4640509 Valve	
9	2220885	1	Plug, O-Ring	
10	3931620	8	Capscrew 3/8 x 1-1/4	
11	0100011	AR	Compound, Locking	
12	0100038	AR	Primer, Locking	
13	See Note	NSS	Seal (Note: Use Item 100)	
14	See Note	NSS	Ring, Lock (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
17	See Note	NSS	Ring, Wear (Note: Use Item 100)	
18	See Note	NSS	O-Ring (Note: Use Item 100)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
20	See Note	NSS	Seal, Rod (Note: Use Item 100)	
21	See Note	NSS	Wiper (Note: Use Item 100)	
23	4640932	1	Cartridge, Valve	
23	7011112	1	Seal Kit 4640932 Valve	
24	2220883	8	Plug, O-Ring	
25	0630535	3	Screw #10 x 1	
26	0961951	4	Bushing	
100	2901303	1	Seal Kit (Includes Items 13-21)	

FIGURE 5-8. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT)

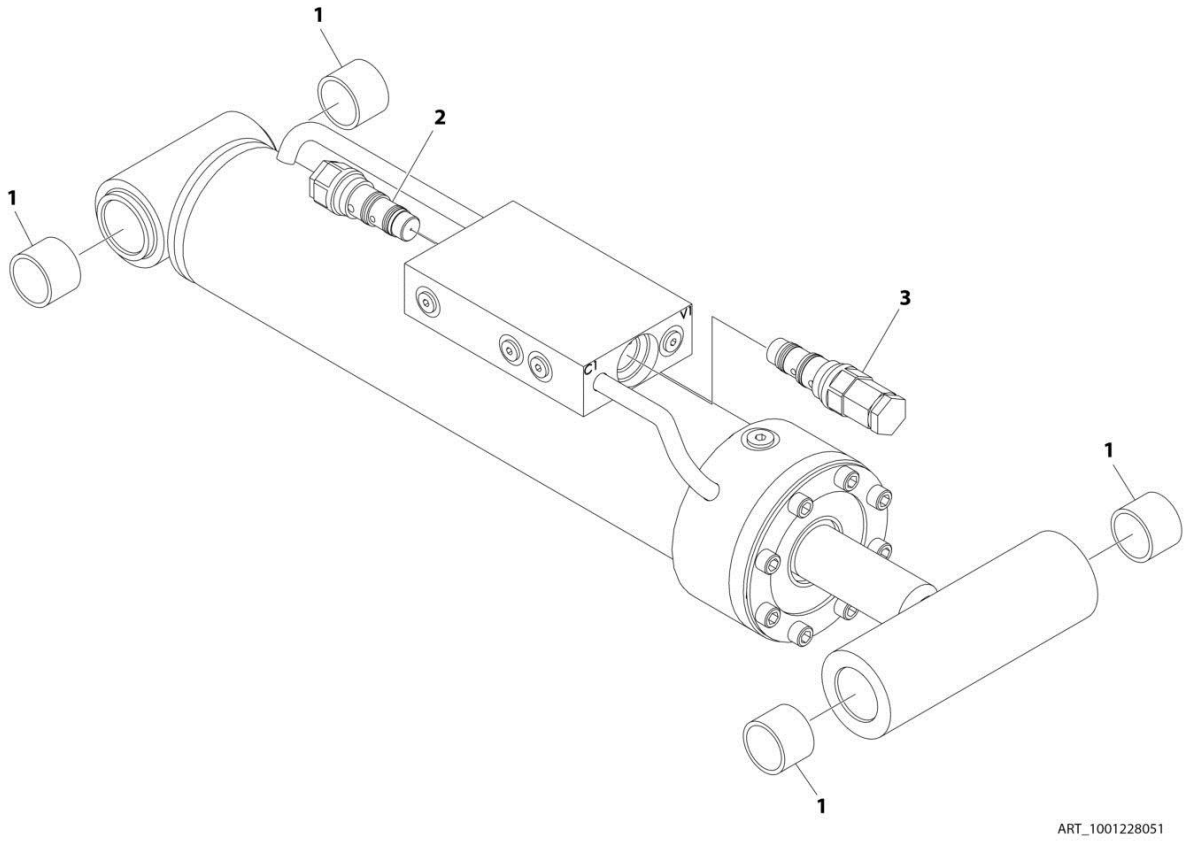

FIGURE 5-8. LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228051	Ref	**LEVEL CYLINDER ASSEMBLY (PLATFORM SLAVE) - 600SJ & 660SJ (SERVICE REPLACEMENT)**	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
		Ref	Note: No Service Parts Available at time of Printing	
1	0961951	4	Bushing	
2	4640509	1	Cartridge, Valve	
2	2900792	1	Seal Kit - 4640509 Valve	
3	4640932	1	Cartridge, Valve	
3	7011112	1	Seal Kit - 4640932 Valve	

FIGURE 5-9. LIFT CYLINDER ASSEMBLY (BOOM)

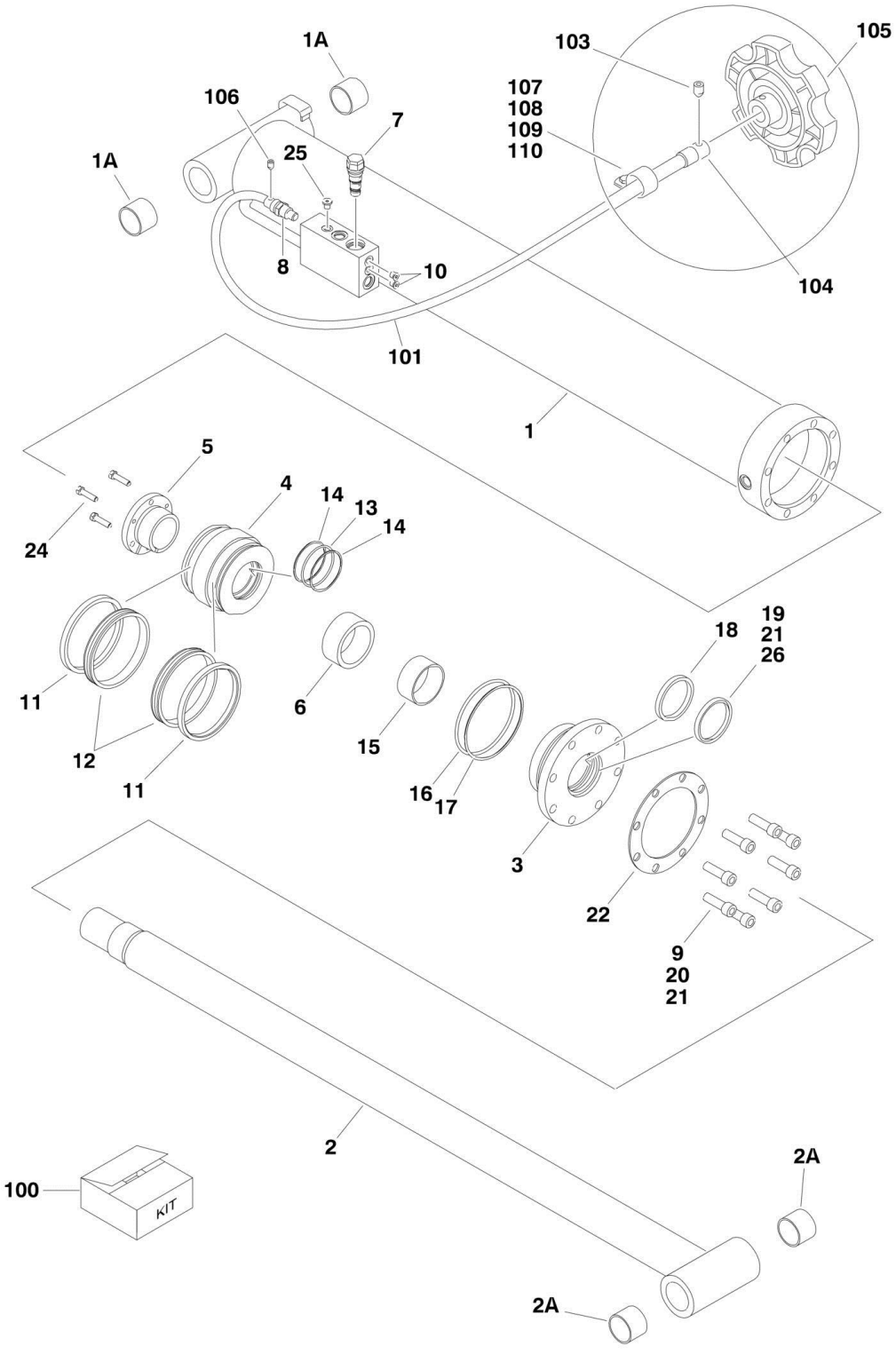

FIGURE 5-9. LIFT CYLINDER ASSEMBLY (BOOM)

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	**LIFT CYLINDER ASSEMBLY (BOOM) OPTIONS:**	
	1683275	Ref	**Main Lift Cylinder Assembly (SN 0300068000 through 0300070974)**	H
	1683666	Ref	**Main Lift Cylinder Assembly (Original Equipment) (SN 0300070975 through 0300087000)**	D
	1001112468	Ref	**Main Lift Cylinder Assembly (Service Replacement for p/n 1682666)**	B
1	1683955	NLA	Barrel Weldment (Use p/n 1001112467)	
1A	0961950	2	Bushing	
2	1683954	1	Rod Weldment	
2A	0961950	2	Bushing	
3	1683067	1	Head	
4	3480206	1	Piston	
5	0961898	1	Bushing, Tapered (Use item #24 in place of supplied bolts)	
6	4566501	1	Spacer, Tube	
7	4640509	1	Cartridge, Valve	
7	2900792	1	Seal Kit - 4640509 Valve	
8	4640799	1	Cartridge, Valve (Used on 1683275Cylinder)	
8	7010545	1	Seal Kit - 4640799 Valve	
8	2220887	1	Plug, O-Ring (Used on 1683666 Cylinder)	
9	3932032	8	Bolt, Socket Head 5/16in-11NC x 2in	
10	2220883	2	Plug, O-Ring	
11	See Note	NSS	Ring, Lock (Note: Use Item 100)	
12	See Note	NSS	Seal, Hydrolock (Note: Use Item 100)	
13	See Note	NSS	O-Ring (Note: Use Item 100)	
14	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100)	
16	See Note	NSS	O-Ring (Note: Use Item 100)	
17	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
18	See Note	NSS	Seal, Rod (Note: Use Item 100)	
19	See Note	NSS	Wiper (Note: Use Item 100)	
20	0100011	AR	Compound, Locking	
21	0100038	AR	Primer, Locking	
22	3760372	1	Washer, Ring	
24	0630536	3	Screw, Socket Head 3/8in-16NC x 1-1/2in	
25	2220235	1	Plug, O-Ring **(SN 0300070975 through 0300087000)**	
26	0100063	AR	Loctite #609 **(SN 0300070975 through 0300087000)**	
100	2901285	1	Seal Kit - Includes Items 11-19	
	0256212	Ref	**MANUAL DESCENT INSTALLATION (SN 0300068000 through 0300070975)**	3-B
101	1060617	1	Cable	
103	3900230	2	Setscrew #10-32NF x 3/8in	
104	0080220	1	Adapter	
105	2560144	1	Knob	
106	3950803	1	Setscrew #8-32NC x 3/8in	
107	1320070	1	Clamp	
108	0641408	1	Bolt 1/4in-20NC x 1in	
109	3311405	1	Locknut 1/4in-20NC	

SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
110	4751400	2	Flatwasher 1/4in Regular	

FIGURE 5-10. LIFT CYLINDER ASSEMBLY (JIB) - 600SJ & 660SJ (ORIGINAL EQUIPMENT)

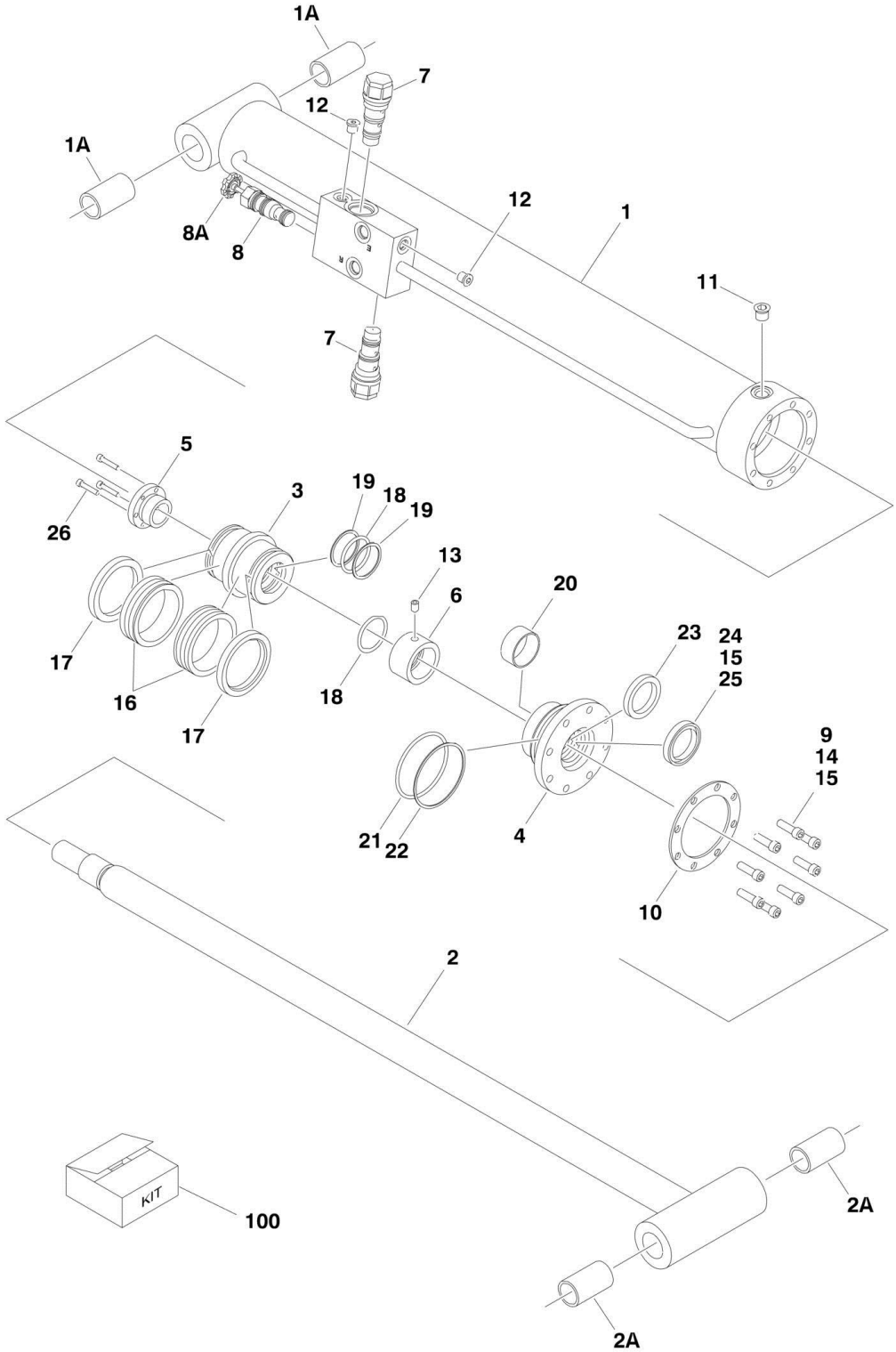

FIGURE 5-10. LIFT CYLINDER ASSEMBLY (JIB) - 600SJ & 660SJ (ORIGINAL EQUIPMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**LIFT CYLINDER ASSEMBLY (JIB): (ORIGINAL EQUIPMENT)**	
	1683258	Ref	**Lift Cylinder Assembly (Jib) (SN 0300068000 through 0300070974)**	E
	1683609	Ref	**Lift Cylinder Assembly (Jib) (SN 0300070975 through 0300087000)**	G
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	1684092	1	Barrel Weldment	
1A	0962336	2	Bushing	
2	1684090	1	Rod Weldment	
2A	0962336	2	Bushing	
3	3480210	1	Piston	
4	1683053	1	Head	
5	0961893	1	Bushing, Tapered	
6		Ref	Spacer, Tube Options:	
6	4566471	1	Spacer, Tube **(SN 0300068000 through 0300079598)**	
6	4100100	1	Spacer, Tube **(SN 0300079599 through 0300087000)**	
7	4640509	2	Cartridge, Valve	
7	2900792	2	Seal Kit - 4640509 Valve	
8	4640902	1	Cartridge, Valve **(SN 0300068000 through 0300070975)**	
8	7012953	1	Seal Kit - 4640902 Valve	
8A	7012961	1	Knob	
9	3931516	8	Capscrew, Socket Head 5/16in-18NC x 1in	
10	3760368	1	Ring, Washer	
11	2220885	1	Plug, O-Ring #6	
12	2220883	2	Plug, O-Ring #4	
13	3900141	1	Setscrew 1/4in-20NC x 3/8in **(SN 0300068000 through 0300079599)**	
14	0100011	AR	Compound, Locking	
15	0100038	AR	Primer, Locking	
16	See Note	NSS	Seal (Note: Use Item 100)	
17	See Note	NSS	Ring, Lock (Note: Use Item 100)	
18	See Note	NSS	O-Ring (Note: Use Item 100)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
20	See Note	NSS	Ring, Wear (Note: Use Item 100)	
21	See Note	NSS	O-Ring (Note: Use Item 100)	
22	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
23	See Note	NSS	Seal, Rod (Note: Use Item 100)	
24	See Note	NSS	Wiper (Note: Use Item 100)	
25	0100063	AR	Loctite #609 **(SN 0300070975 through 0300079599)**	
26	0630534	3	Screw, Socket Head #10-24NC x 1in	
100	2901303	1	Seal Kit - 1683258 Cylinder (Includes Items 16-24)	

FIGURE 5-11. LIFT CYLINDER ASSEMBLY (JIB) - 600SJ & 660SJ (SERVICE REPLACEMENT)

Note: No service parts breakdown available at time of printing.

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FIGURE 5-11. LIFT CYLINDER ASSEMBLY (JIB) - 600SJ & 660SJ (SERVICE REPLACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228012	Ref	LIFT CYLINDER ASSEMBLY (JIB) - 600SJ & 660SJ (SERVICE REPLACEMENT)	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
		Ref	Note: No service parts breakdown available at time of printing.	

FIGURE 5-12. MASTER CYLINDER ASSEMBLY (ORIGINAL EQUIPMENT)

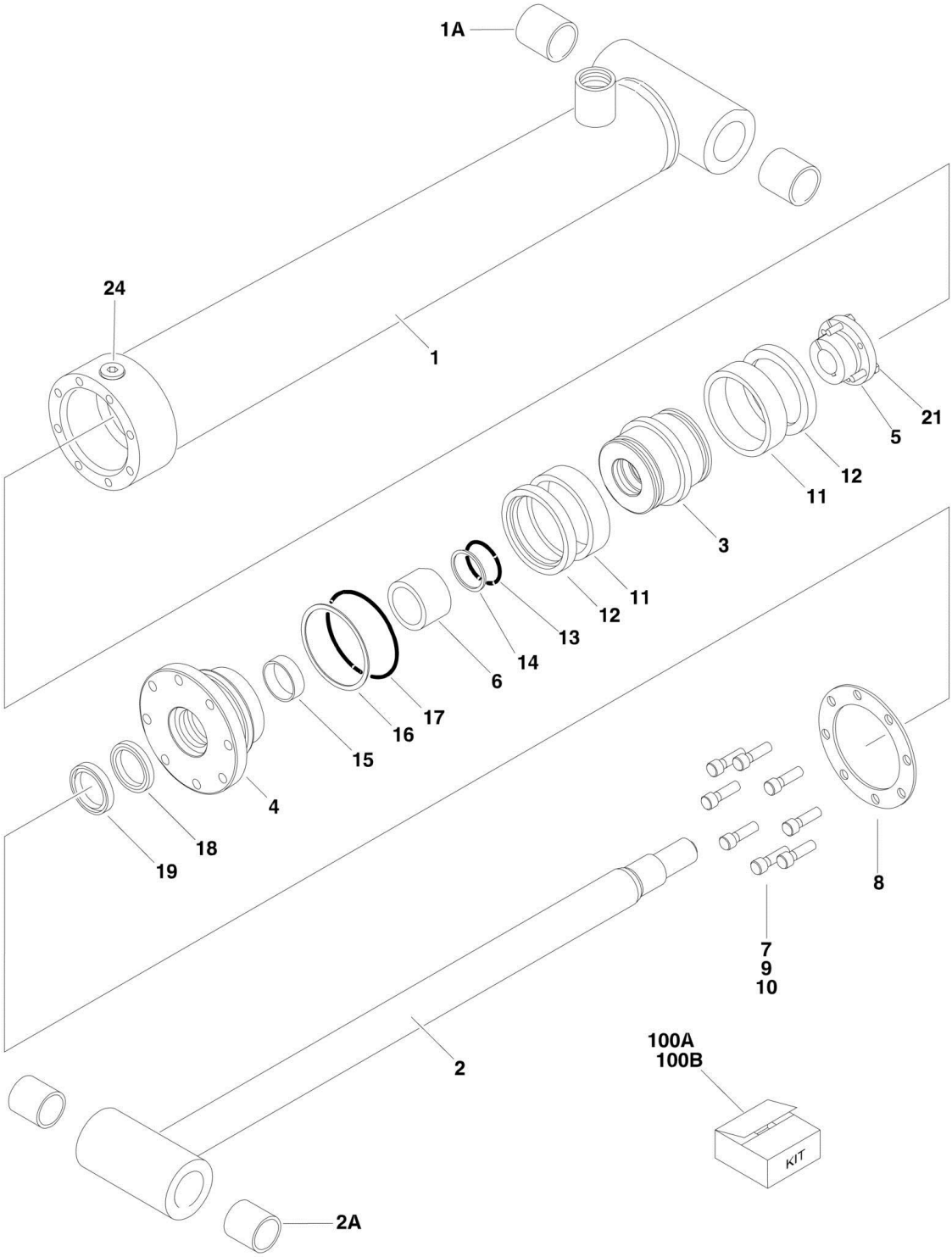


FIGURE 5-12. MASTER CYLINDER ASSEMBLY (ORIGINAL EQUIPMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1683266	Ref	**MASTER CYLINDER ASSEMBLY - 600S (ORIGINAL EQUIPMENT)**	C
	1683263	Ref	**MASTER CYLINDER ASSEMBLY - 600SJ/660SJ (ORIGINAL EQUIPMENT)**	E
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1		Ref	Barrel Options:	
1	1683972	1	Barrel 600S (Note: Includes Item 1A)	
1	1683949	1	Barrel 600SJ/660SJ (Note: Item 1A not included - Purchase Separately)	
1A		Ref	Bushing Options:	
1A	0961947	2	Bushing 600S	
1A	0961951	2	Bushing 600SJ/660SJ	
2		Ref	Rod Options:	
2	1683973	1	Rod 600S (Note: Includes Item 1A)	
2	1683962	1	Rod 600SJ/660SJ (Note: Item 2A not included - Purchase Separately)	
2A		Ref	Bushing Options:	
2A	0961947	2	Bushing 600S	
2A	0961951	2	Bushing 600SJ/660SJ	
3		Ref	Piston Options:	
3	3480210	1	Piston 600S	
3	3480188	1	Piston 600SJ/660SJ	
4		Ref	Head Options:	
4	1683053	1	Head 600S	
4	1683055	1	Head 600SJ/660SJ	
5		Ref	Bushing, Tapered Options:	
5	0961893	1	Bushing, Tapered 600S	
5	0961894	1	Bushing, Tapered 600SJ/660SJ	
6	4566468	1	Spacer, Tube	
7		Ref	Capscrew Options:	
7	3931516	8	Capscrew 600S - Capscrew 5/16in-18NC x 1in	
7	3931620	8	Capscrew 600SJ/660SJ - Capscrew 3/8in-16NC x 1-1/4in	
8		Ref	Ring, Washer Options:	
8	3760368	1	Ring, Washer 600S	
8	3760369	1	Ring, Washer 600SJ/660SJ	
9	0100011	AR	Compound, Locking	
10	0100038	AR	Primer, Locking	
11	See Note	NSS	Seal (Note: Use Item 100A or 100B)	
12	See Note	NSS	Ring, Lock (Note: Use Item 100A or 100B)	
13	See Note	NSS	O-Ring (Note: Use Item 100A or 100B)	
14	See Note	NSS	Ring, Back-up (Note: Use Item 100A or 100B)	
15	See Note	NSS	Ring, Wear (Note: Use Item 100A or 100B)	
16	See Note	NSS	O-Ring (Note: Use Item 100A or 100B)	
17	See Note	NSS	Ring, Back-up (Note: Use Item 100A or 100B)	
18	See Note	NSS	Seal, Rod (Note: Use Item 100A or 100B)	
19	See Note	NSS	Wiper (Note: Use Item 100A or 100B)	
21		Ref	Screw Options:	
21	0630534	3	Screw 600S - Screw, Socket Head #10-24NC x 1in	
21	0630535	3	Screw 600SJ/660SJ - Screw, Socket Head 1/4in-20NC x 1-	

SECTION 5 - CYLINDER

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			1/8in	
24	2220885	1	Fitting, Plug (600SJ/660SJ - 1683263 Cylinder Only)	
100		Ref	Seal Kit (Includes Items 11-19)	
100A	2901303	1	Seal Kit 600S	
100B	2901301	1	Seal Kit 600SJ/660SJ	

FIGURE 5-13. MASTER CYLINDER ASSEMBLY - 600S (SERVICE REPLACEMENT)

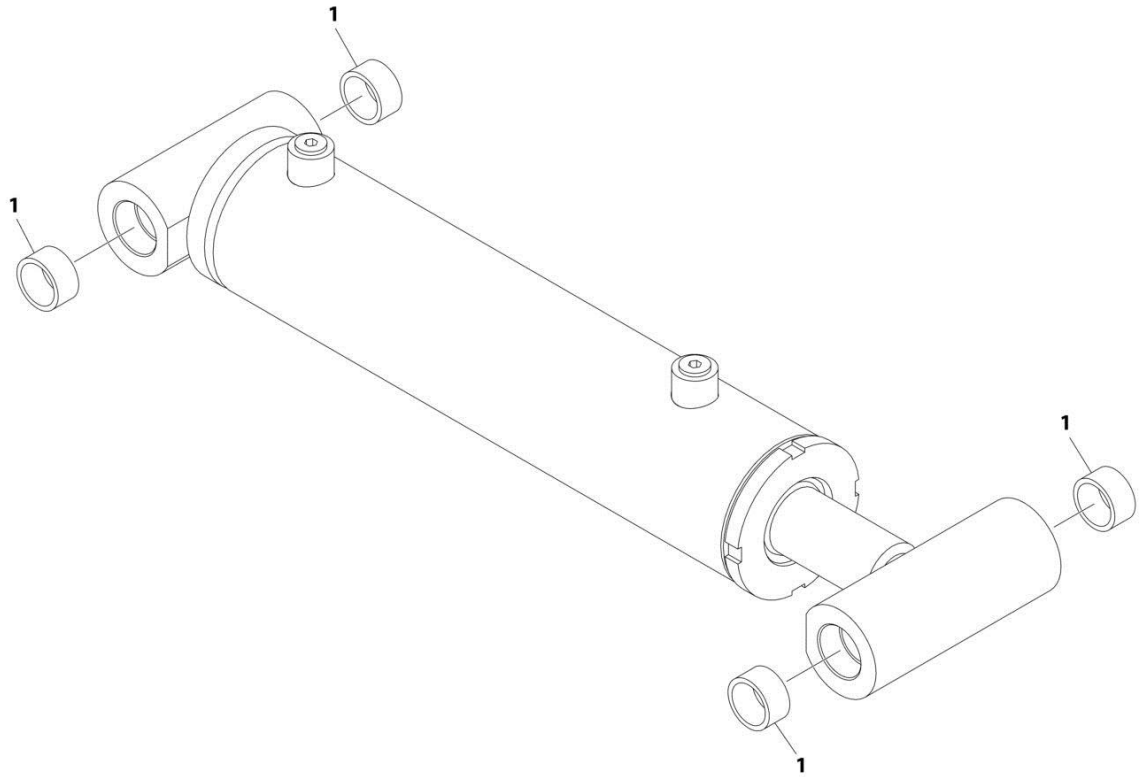


FIGURE 5-13. MASTER CYLINDER ASSEMBLY - 600S (SERVICE REPLACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228002	Ref	**MASTER CYLINDER ASSEMBLY - 600S (SERVICE REPLACEMENT)**	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
		Ref	Note: No Service Parts Available at time of Printing	
1	0961947	4	Bushing	

FIGURE 5-14. MASTER CYLINDER ASSEMBLY - 600SJ/660SJ (SERVICE REPACEMENT)

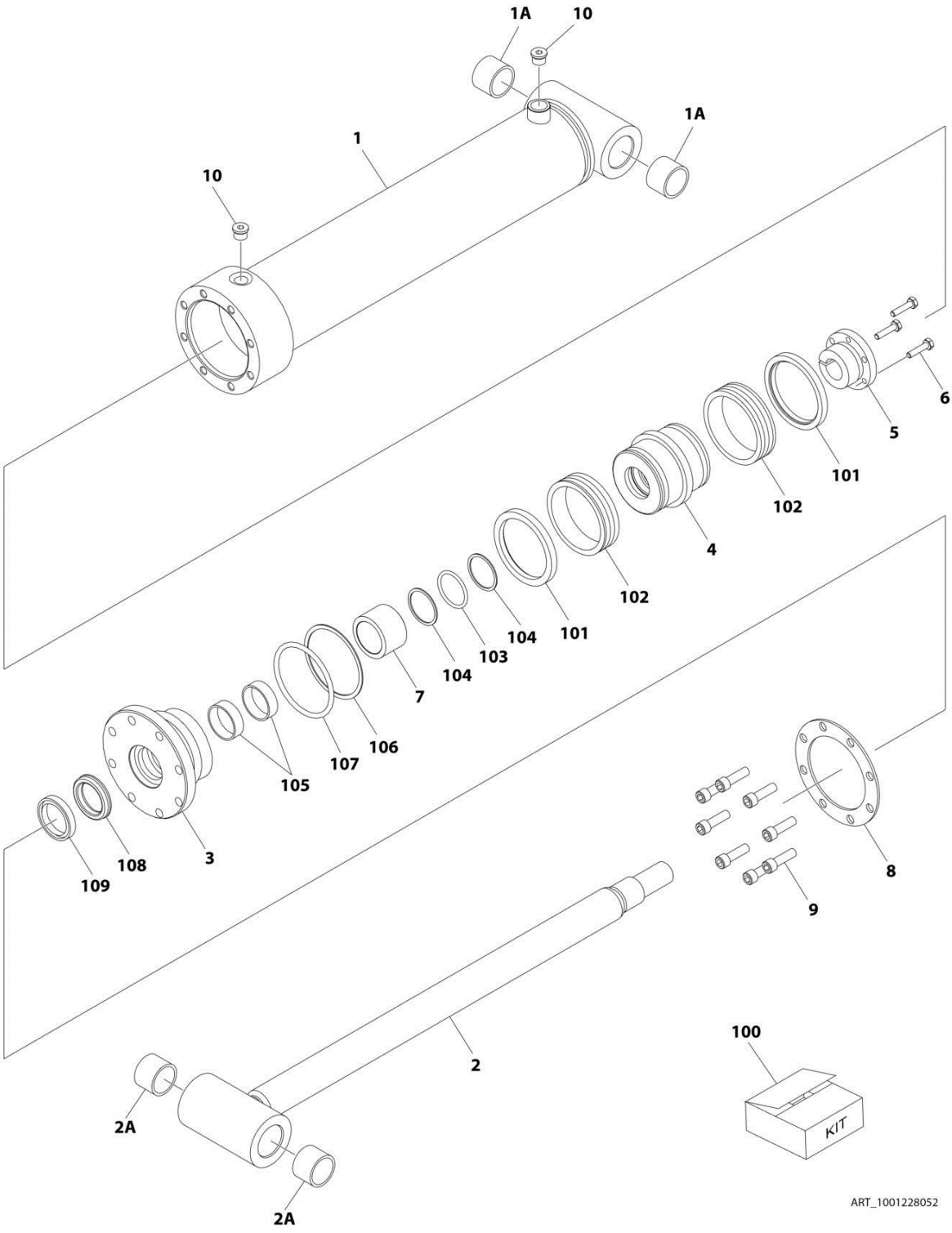


FIGURE 5-14. MASTER CYLINDER ASSEMBLY - 600SJ/660SJ (SERVICE REPACEMENT)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001228052	Ref	**MASTER CYLINDER ASSEMBLY - 600SJ/660SJ (SERVICE REPACEMENT)**	A
		Ref	Note: Original Cylinder May Have Been Replaced with Service Replacement. Identify PN Stamped on Cylinder Before Ordering Parts.	
1	See Note	NSS	Barrel Weldment (Note: Not Available for Purchase)	
1A	0961951	2	Bushing	
2	70006447	1	Rod Weldment	
2A	0961951	2	Bushing	
3	70006446	1	Head	
4	70006445	1	Piston	
5	70006444	1	Bushing, Tapered	
6	0630535	3	Capscrew 1/4 x 1-1/8	
7	70006443	1	Spacer	
8	70006442	1	Ring, Washer	
9	3931620	8	Capscrew 3/8 x 1-1/4	
10	2220885	2	Plug, O-Ring	
100	1001138796	1	Seal Kit (Includes Items 12-21)	
101	See Note	NSS	Ring, Wear (Note: Use Item 100)	
102	See Note	NSS	Seal, Piston (Note: Use Item 100)	
103	See Note	NSS	O-Ring (Note: Use Item 100)	
104	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
105	See Note	NSS	Ring, Wear (Note: Use Item 100)	
106	See Note	NSS	O-Ring (Note: Use Item 100)	
107	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
108	See Note	NSS	Seal, Rod (Note: Use Item 100)	
109	See Note	NSS	Wiper, Rod (Note: Use Item 100)	

FIGURE 5-15. STEER CYLINDER ASSEMBLY

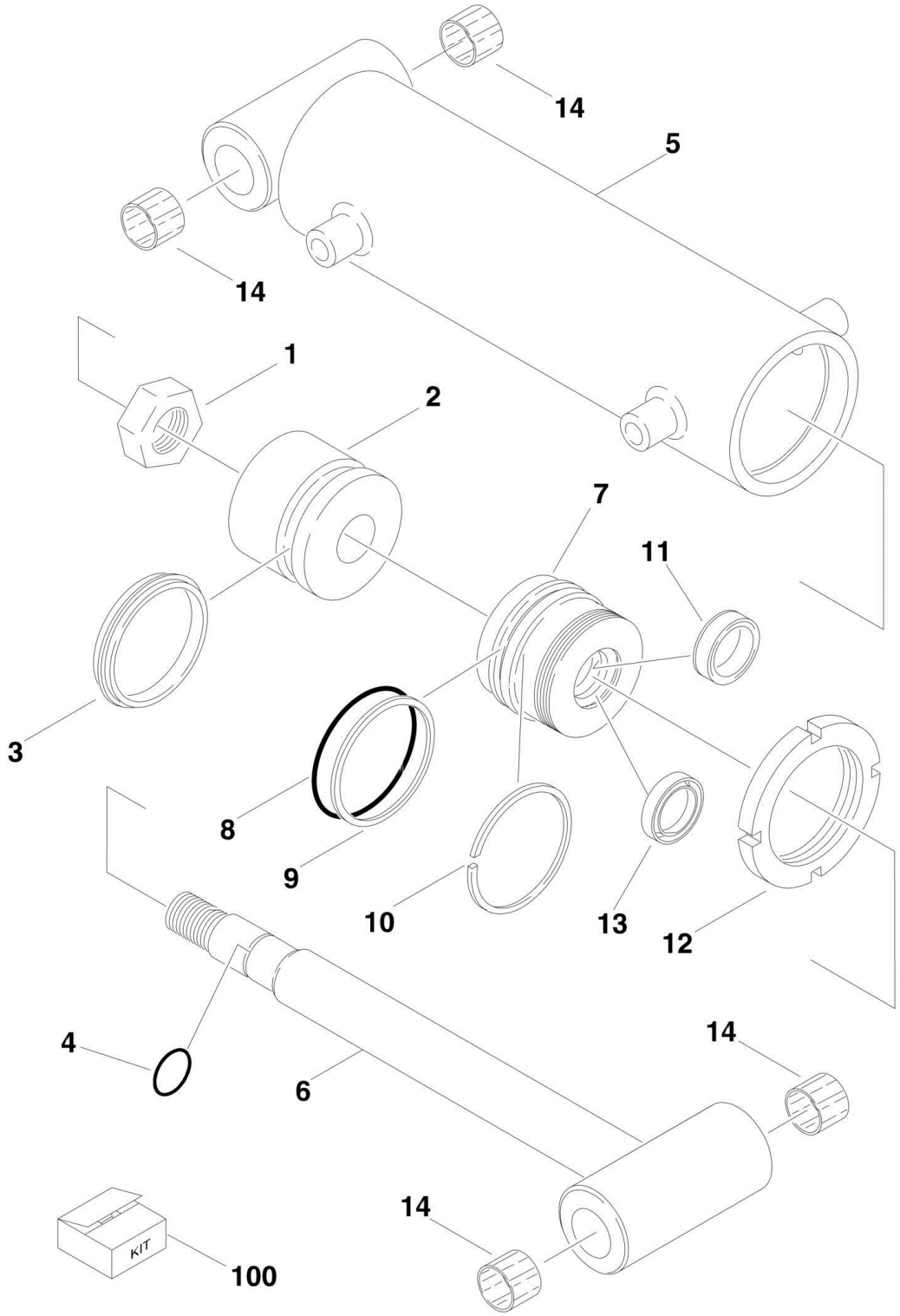


FIGURE 5-15. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1683208	Ref	**STEER CYLINDER ASSEMBLY**	C
1	7001626	1	Locknut	
2	7001627	1	Piston	
3	See Note	NSS	Seal (Note: Use Item 100)	
4	See Note	NSS	O-Ring (Note: Use Item 100)	
5	See Note	1	Barrel Weldment (Note: Not Available - Purchase Complete Steer Cylinder Assembly)	
6	7001633	1	Rod Weldment	
7	7001629	1	Head	
8	See Note	NSS	O-Ring (Note: Use Item 100)	
9	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
10	See Note	NSS	Ring, Retainer (Note: Use Item 100)	
11	See Note	NSS	Seal, Lip (Note: Use Item 100)	
12	7001630	1	Nut, Spanner	
13	See Note	NSS	Wiper (Note: Use Item 100)	
14	0961977	4	Bushings	
100	7001625	1	Seal Kit - 1683208 (Includes Items 3, 4, 8-11 & 13)	

FIGURE 5-16. TELESCOPE CYLINDER ASSEMBLY

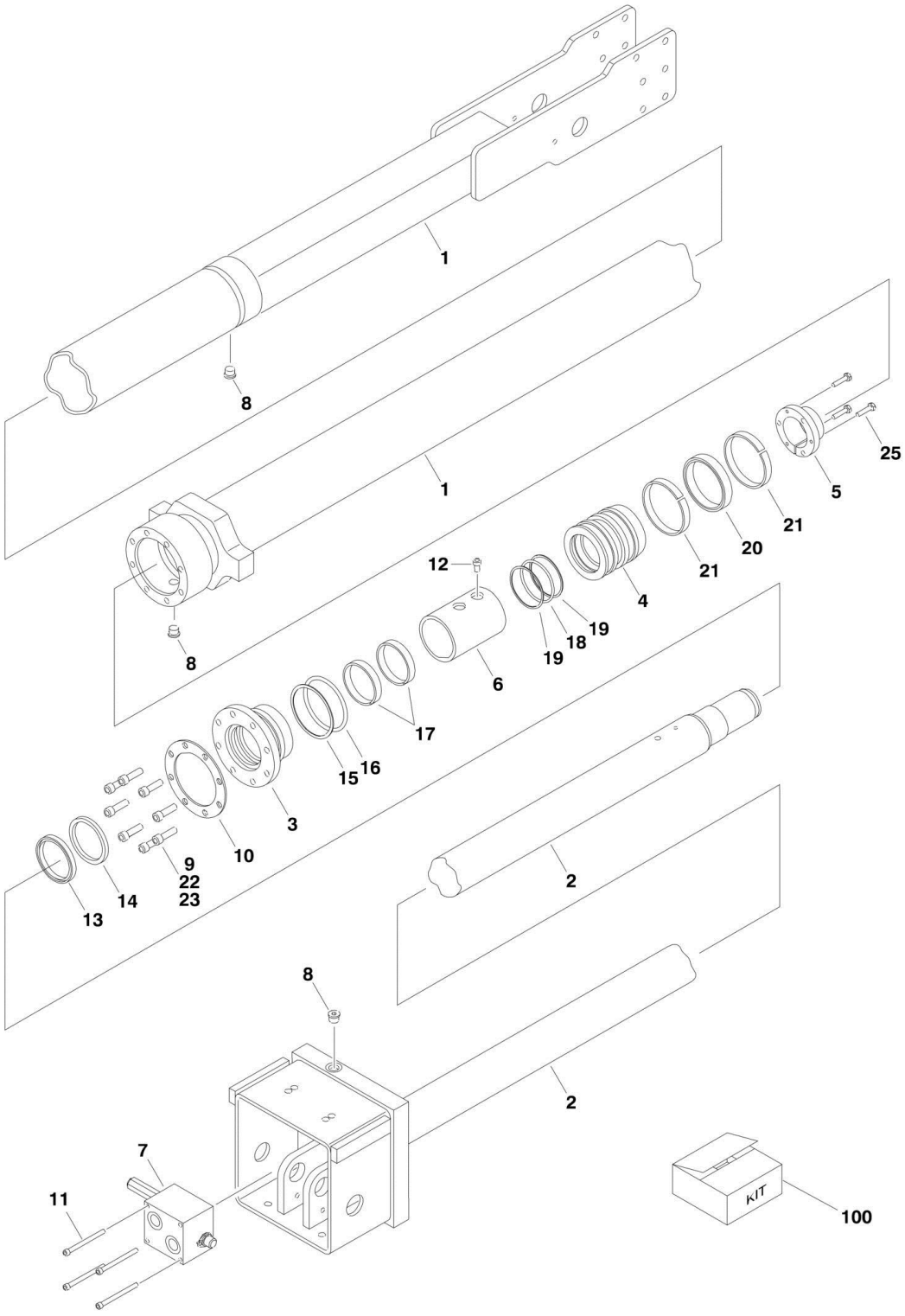
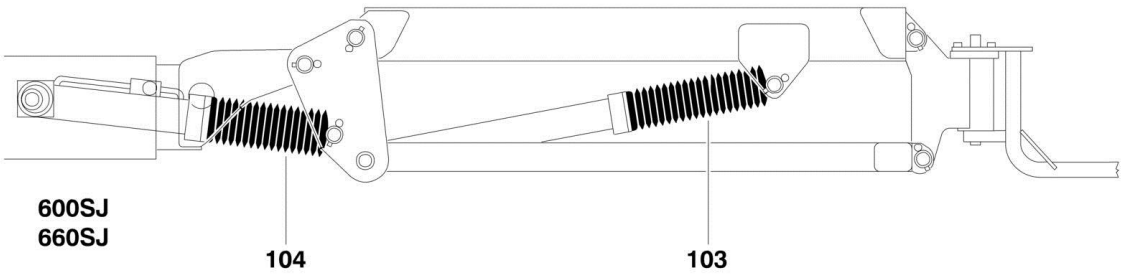


FIGURE 5-16. TELESCOPE CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**TELESCOPE CYLINDER ASSEMBLY**	
	1683618	Ref	**Telescope Cylinder Assembly 600S & 660SJ**	3-D
	1683620	Ref	**Telescope Cylinder Assembly 600SJ**	2-C
1		Ref	Barrel Options:	
1	1683619	1	Barrel 600S & 660SJ	
1	1683621	1	Barrel 600SJ	
2		Ref	Rod Options:	
2	1683250	1	Rod 600S & 660SJ	
2	1683359	1	Rod 600SJ	
3	1683057	1	Head	
4	3480205	1	Piston	
5	0961897	1	Bushing, Tapered	
6	4566644	1	Spacer, Tube	
7	4641028	1	Valve Assembly (No serviceable parts - sold as assembly only)	
7	7024397	2	O-Rings Between Valve Block and Cylinder	
8	2220885	6	Plug, O-Ring	
9	3931620	8	Capscrew 3/8in-16NC x 1-1/4in	
10	3760369	1	Ring, Washer	
11	3931448	4	Capscrew 1/4in-20NC x 3in	
12	3931508	1	Capscrew 5/16in-18NC x 1/2in	
13	See Note	NSS	Wiper (Note: Use Item 100)	
14	See Note	NSS	Seal, Rod (Note: Use Item 100)	
15	See Note	NSS	O-Ring (Note: Use Item 100)	
16	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
17	See Note	NSS	Ring, Wear (Note: Use Item 100)	
18	See Note	NSS	O-Ring (Note: Use Item 100)	
19	See Note	NSS	Ring, Back-up (Note: Use Item 100)	
20	See Note	NSS	T-Seal (Note: Use Item 100)	
21	See Note	NSS	Ring, Wear (Note: Use Item 100)	
22	0100011	AR	Compound, Locking	
23	0100038	AR	Primer, Locking	
25	0630535	3	Bolt 1/4in-20NC x 1-1/8in	
100	2901284	1	Seal Kit (Includes Items 13-21)	

FIGURE 5-17. CYLINDER BELLOWS INSTALLATION (OPTIONAL)



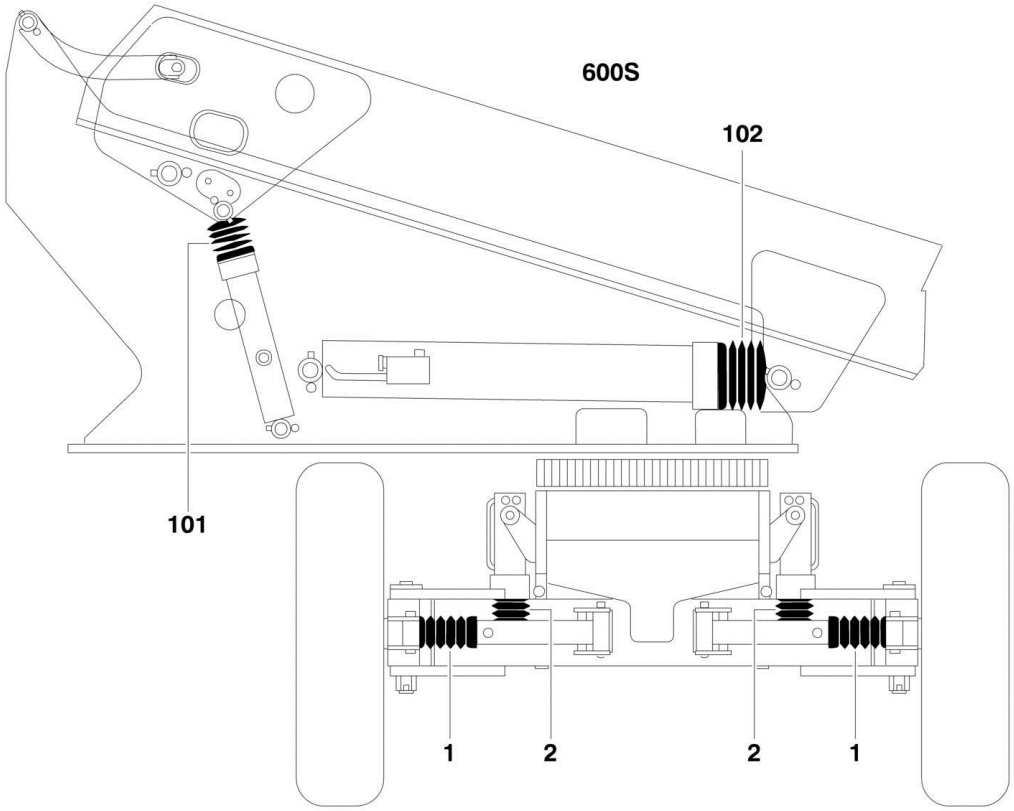


FIGURE 5-17. CYLINDER BELLOWS INSTALLATION (OPTIONAL)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**BELLOWS INSTALLATION - FRAME**	
	0255353	Ref	**2WS with Oscillating Axle**	
	0255354	Ref	**2WS with Fixed Axle**	
	0255355	Ref	**4WS with Oscillating Axle**	
	0255356	Ref	**4WS with Fixed Axle**	
1	0460150	AR	Bellows, Cylinder (1 Per Steer Cylinder)	
2	0460158	AR	Bellows, Cylinder (1 Per Lockout Cylinder)	
	0255929	Ref	**BELLOWS INSTALLATION - BOOM (600S)**	
101	0460152	1	Bellows, Cylinder (Master Cylinder)	
102	0460153	1	Bellows, Cylinder (Lift Cylinder)	
103	Not Required	0	Not Required	
104	0460152	1	Bellows, Cylinder (Platform Level Cylinder)	
	0255930	Ref	**BELLOWS INSTALLATION - BOOM (600SJ & 660SJ)**	
101	0460151	1	Bellows, Cylinder (Master Cylinder)	
102	0460153	1	Bellows, Cylinder (Lift Cylinder)	
103	0460161		Bellows, Cylinder (Articulating Jib Lift Cylinder)	
104	0460160	1	Bellows, Cylinder (Platform Level Cylinder)	

SECTION 6 - HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM - DRIVE AND STEER (2WD/2WS)

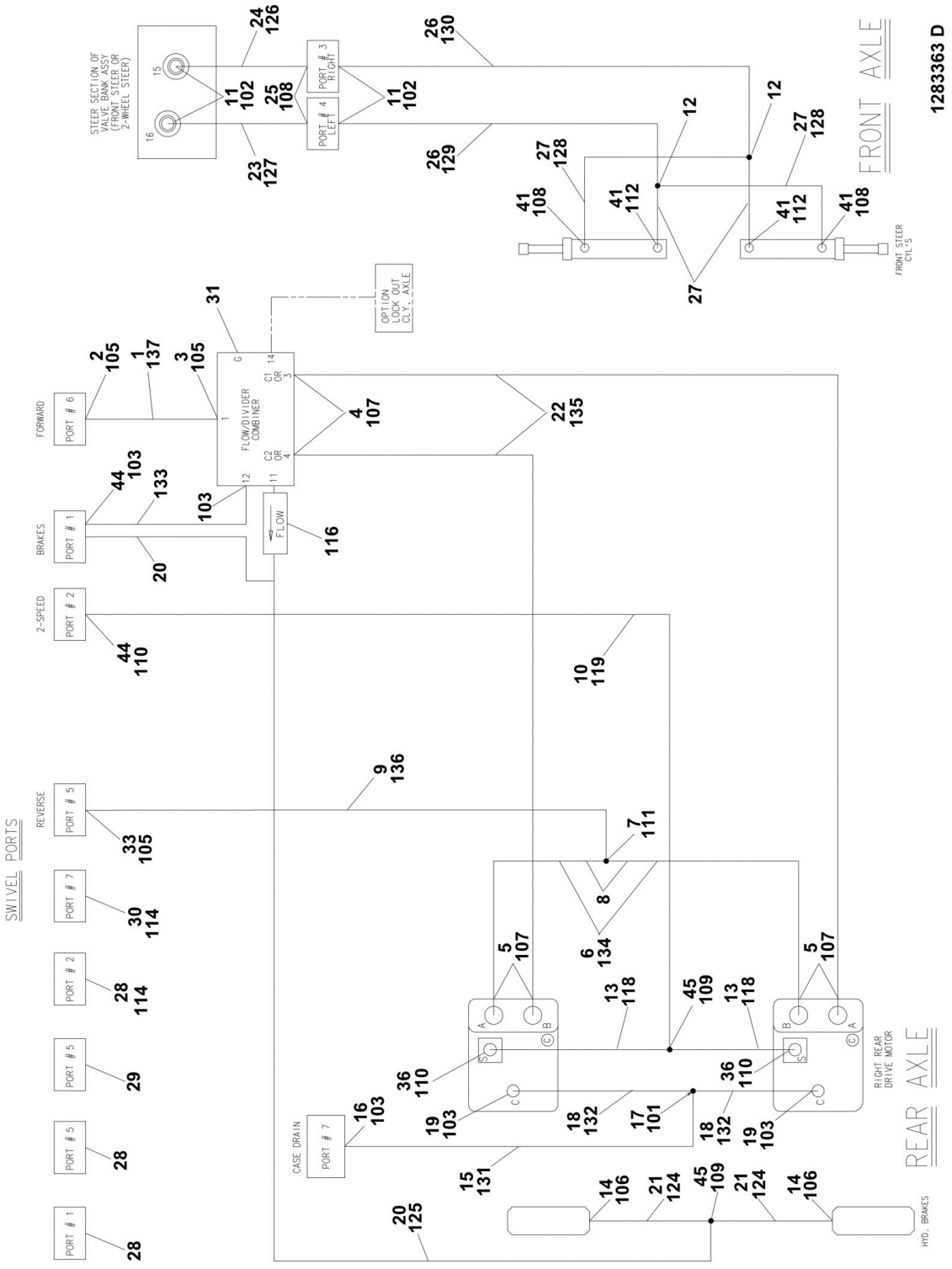


FIGURE 6-1. HYDRAULIC DIAGRAM - DRIVE AND STEER (2WD/2WS)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DRIVE AND STEER HYDRAULIC DIAGRAM - (2WD/2WS)**	
	2792184	Ref	**Machines (SN 0300068000 through 0300075605)**	3
1	2752322	1	Hose	
2	2220646	1	Fitting, 90	
3	2220377	2	Fitting, Straight	
4	2220568	2	Fitting, 45	
5	2220465	4	Fitting, Straight	
6	2752245	2	Hose	
7	2220363	1	Fitting, Tee	
8	2220710	2	Fitting, Reducer	
9	2752345	1	Hose	
10	2751016	1	Hose	
11	2220371	4	Fitting, Straight	
12	2220490	2	Fitting, Tee	
13	2751013	2	Hose	
14	2220466	1	Fitting, 90	
15	2752812	1	Hose	
16	2220375	1	Fitting, Straight	
17	2220362	1	Fitting, Tee	
18	2752807	2	Hose	
19	2220671	2	Fitting, 90	
20	2752584	1	Hose	
21	2752592	2	Hose	
22	2752258	2	Hose	
23	2752632	1	Hose	
24	2752478	1	Hose	
25	2220473	2	Fitting, 90	
26	2752462	2	Hose	
27	2752963	4	Hose	
28	2220237	3	Fitting, O-Ring Plug	
29	2220242	1	Fitting, O-Ring Plug	
30	2220240	1	Fitting, O-Ring Plug	
31	2220235	1	Fitting, O-Ring Plug	
33	2220365	1	Fitting, 45	
36	2220502	2	Fitting, 45	
41	2220473	4	Fitting, 90	
44	2220582	2	Fitting, Straight	
45	2220504	2	Fitting, Tee	
	2792616	Ref	**Machines (SN 0300075606 through 0300087000)**	2
101	2220362	1	Fitting, Tee	
102	2220371	4	Fitting, Straight	
103	2220373	5	Fitting, Straight	
105	2220377	3	Fitting, Straight	
106	2220415	2	Fitting, Straight	
107	2220451	6	Fitting, Straight	
108	2220473	4	Fitting, 90	
109	2220504	2	Fitting, Tee	
110	2220582	3	Fitting, Straight	
111	2221170	1	Fitting, Tee	
112	2220606	2	Fitting, Tee	

SECTION 6 - HYDRAULIC

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
114	2220307	2	Fitting, Plug	
116	4641307	1	Valve, Check	
118	2753925	2	Hose	
119	2753924	1	Hose	
124	2752592	2	Hose	
125	2752910	1	Hose	
126	2752478	1	Hose	
127	2752632	1	Hose	
128	2753397	2	Hose	
129	2752475	1	Hose	
130	2752611	1	Hose	
131	2752928	1	Hose	
132	2753929	2	Hose	
133	2752929	1	Hose	
134	2753969	2	Hose	
135	2753967	2	Hose	
136	2752341	1	Hose	
137	2753435	1	Hose	

FIGURE 6-2. HYDRAULIC DIAGRAM - DRIVE AND STEER (4WD/2WS) (SN 0300068000 through 0300075605)

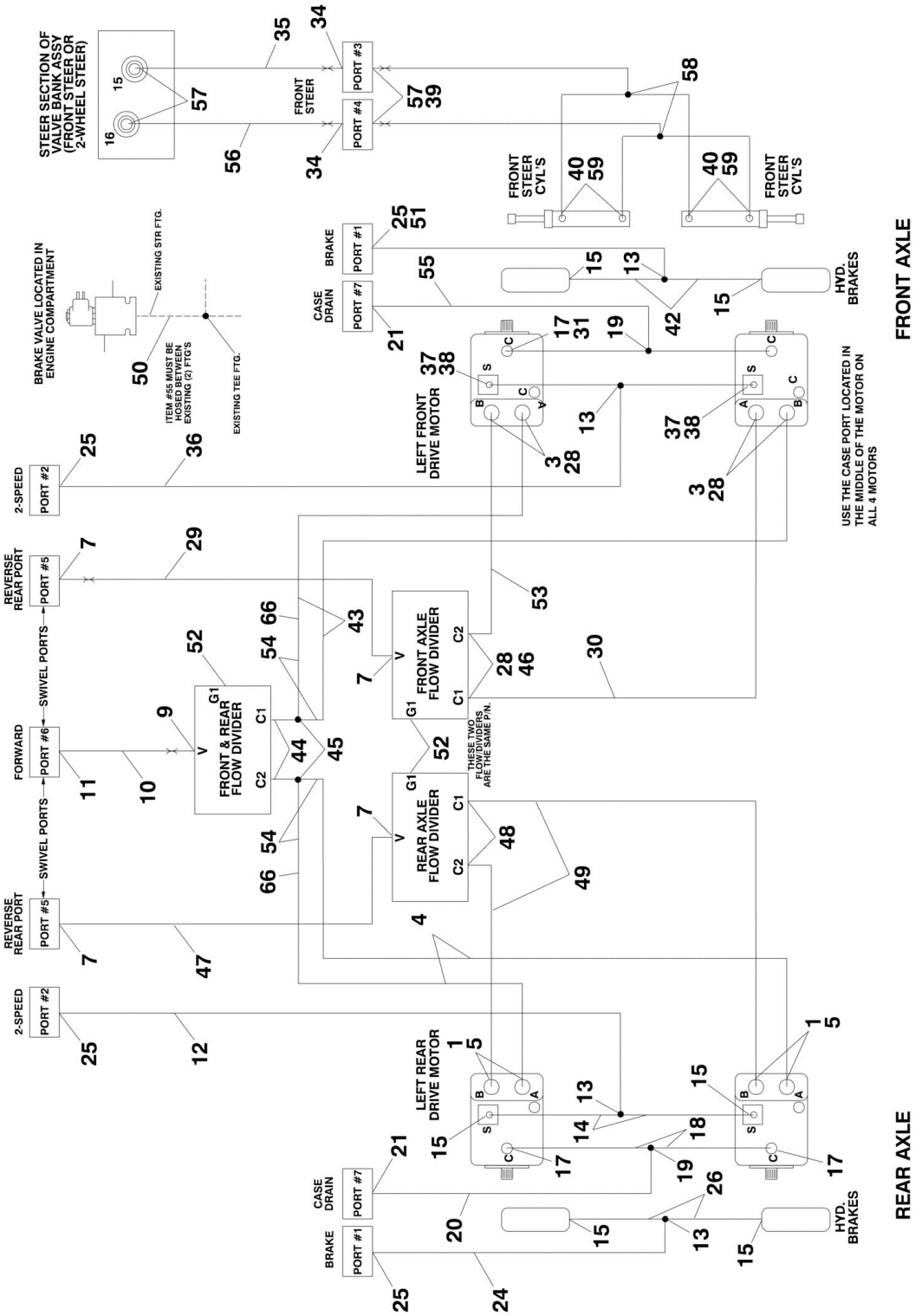


FIGURE 6-2. HYDRAULIC DIAGRAM - DRIVE AND STEER (4WD/2WS) (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2792186	Ref	**DRIVE AND STEER HYDRAULIC DIAGRAM - 4WD/2WS**	8
1	2220465	4	Fitting, 90	
3	2220500	4	Fitting, 45	
4	2752398	2	Hose	
5	2220622	4	Fitting, Reducer	
7	2220435	4	Fitting, Straight	
9	2220377	1	Fitting, Straight	
10	2752322	1	Hose	
11	2220646	1	Fitting, 90	
12	2751016	1	Hose	
13	2220504	4	Fitting, Tee	
14	2751013	2	Hose	
15	2220466	6	Fitting, 90	
17	2220671	4	Fitting, 90	
18	2752807	2	Hose	
19	2220362	2	Fitting, Tee	
20	2752812	1	Hose	
21	2220375	2	Fitting, Straight	
24	2752584	1	Hose	
25	2220582	4	Fitting, Straight	
26	2752592	2	Hose	
28	2220833	6	Fitting, Reducer	
29	2752256	1	Hose	
30	2752888	1	Hose	
31	2752898	2	Hose	
34	2220472	2	Fitting, 90	
35	2752478	1	Hose	
36	2751021	1	Hose	
37	2752918	2	Hose	
38	2220502	2	Fitting, 45	
39	2752462	2	Hose	
40	2752963	4	Hose	
42	2752909	2	Hose	
43	2752889	2	Hose	
44	2220550	2	Fitting, Reducer	
45	2220738	2	Fitting, Tee	
46	2220596	2	Fitting, 90	
47	2752249	1	Hose	
48	2220800	2	Fitting, Straight	
49	2752389	2	Hose	
50	2220914	1	Orifice (.043)	
51	2752443	1	Hose	
52	2220235	3	Plug #4	
53	2752893	1	Hose	
54	2220622	4	Fitting, Reducer	
55	2752810	1	Hose	
56	2752632	1	Hose	
57	2220582	4	Fitting, Straight	
58	2220363	1	Fitting, Tee	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
59	2220472	2	Fitting, 90	
60 to 65	Not Required	0	Not Required	
66	2220386	2	Fitting, 90	

FIGURE 6-3. HYDRAULIC DIAGRAM - DRIVE AND STEER (4WD/2WS) (SN 0300075606 through 0300087000)

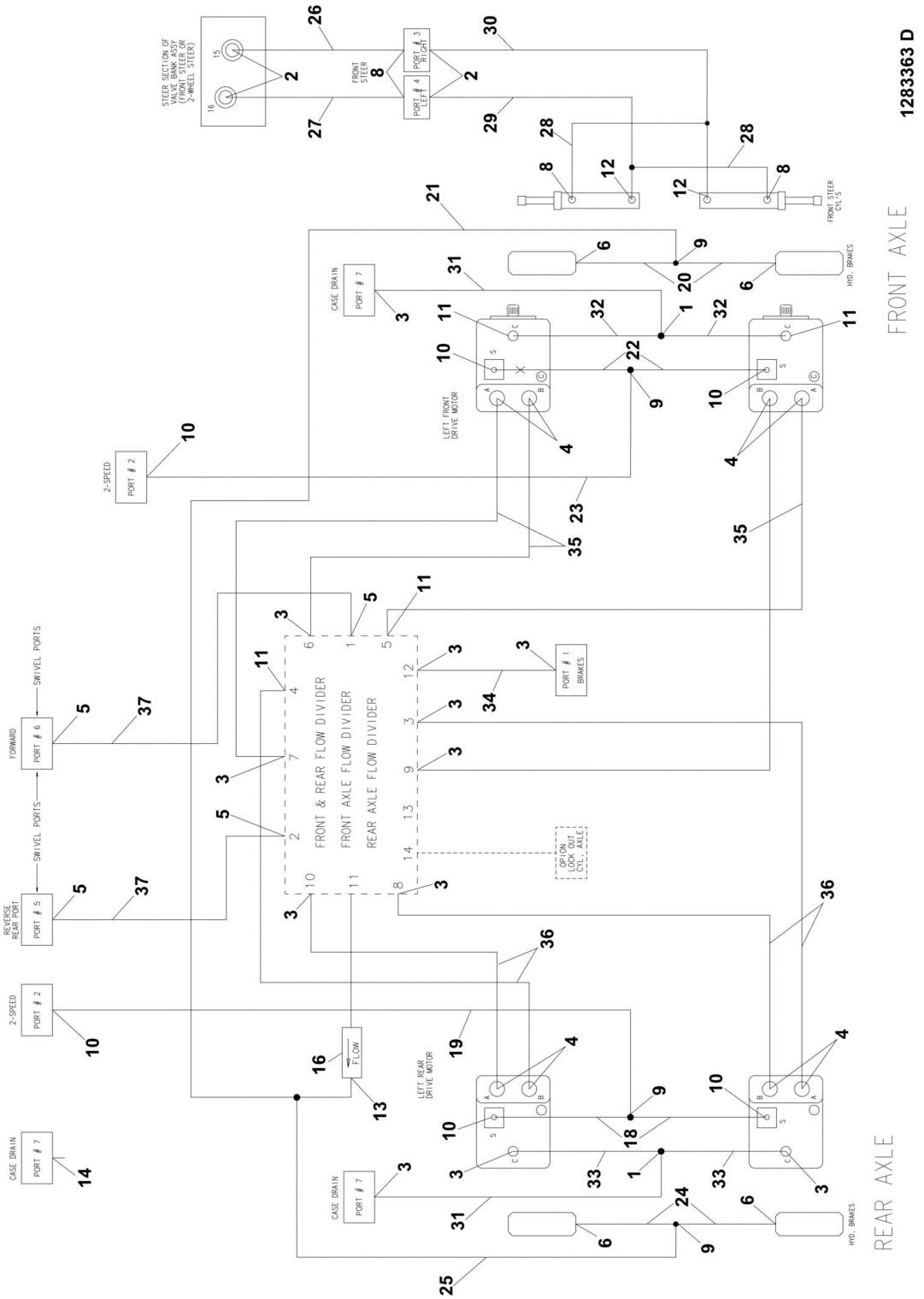
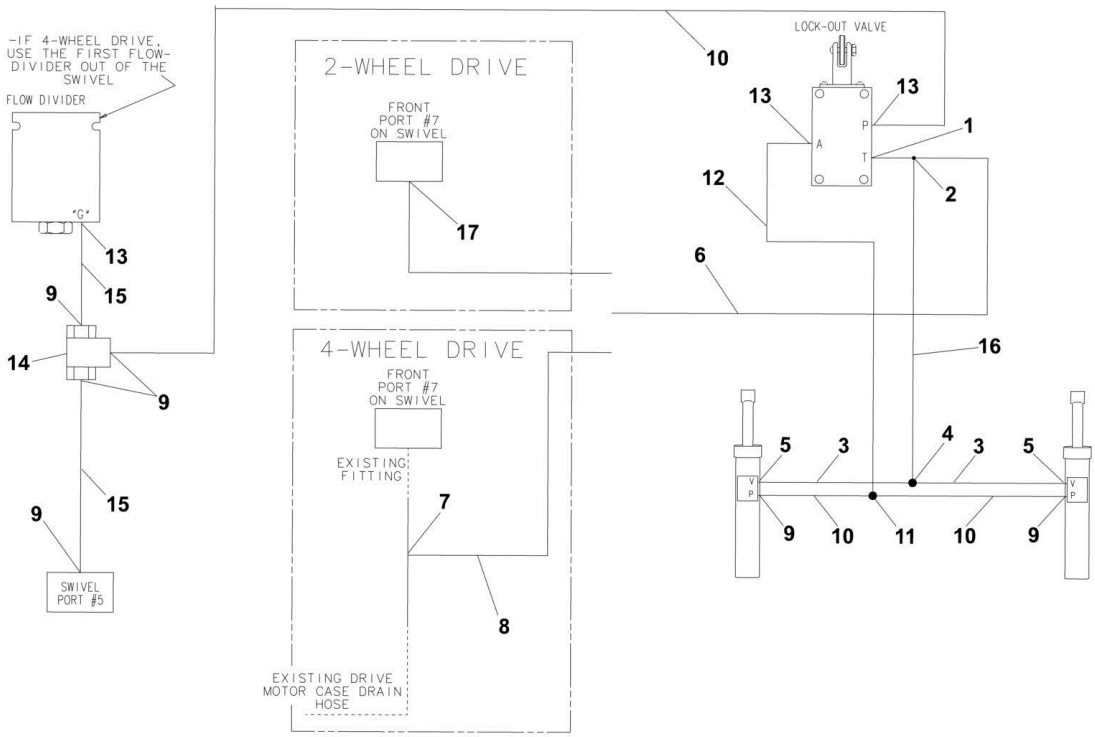


FIGURE 6-3. HYDRAULIC DIAGRAM - DRIVE AND STEER (4WD/2WS) (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2792607	Ref	**DRIVE AND STEER HYDRAULIC DIAGRAM - 4WD/2WS**	3
1	2220362	2	Fitting, Tee	
2	2220371	4	Fitting, Straight	
3	2220373	12	Fitting, Straight	
4	2220375	8	Fitting, Straight	
5	2220377	4	Fitting, Straight	
6	2220415	4	Fitting, Straight	
8	2220473	4	Fitting, 90	
9	2220504	4	Fitting, Tee	
10	2220582	6	Fitting, Straight	
11	2220596	4	Fitting, 90	
12	2220606	2	Fitting, Tee	
13	2220861	1	Fitting, Tee	
14	2220237	1	Plug	
16	4641284	1	Valve, Check	
18	2753925	2	Hose	
19	2753924	1	Hose	
20	2753926	2	Hose	
21	2752909	1	Hose	
22	2752574	2	Hose	
23	2752977	1	Hose	
24	2752592	2	Hose	
25	2752910	1	Hose	
26	2752478	1	Hose	
27	2752632	1	Hose	
28	2753397	2	Hose	
29	2752475	1	Hose	
30	2752611	1	Hose	
31	2752928	2	Hose	
32	2753928	2	Hose	
33	2753929	2	Hose	
34	2752929	1	Hose	
35	2753931	4	Hose	
36	2753930	4	Hose	
37		Ref	Hose Options:	
37	2753435	2	Hose **(SN 0300075606 through 0300081123)**	
37	2752331	2	Hose **(SN 0300081124 through 0300087000)**	

FIGURE 6-4. HYDRAULIC DIAGRAM - OSCILLATING AXLE



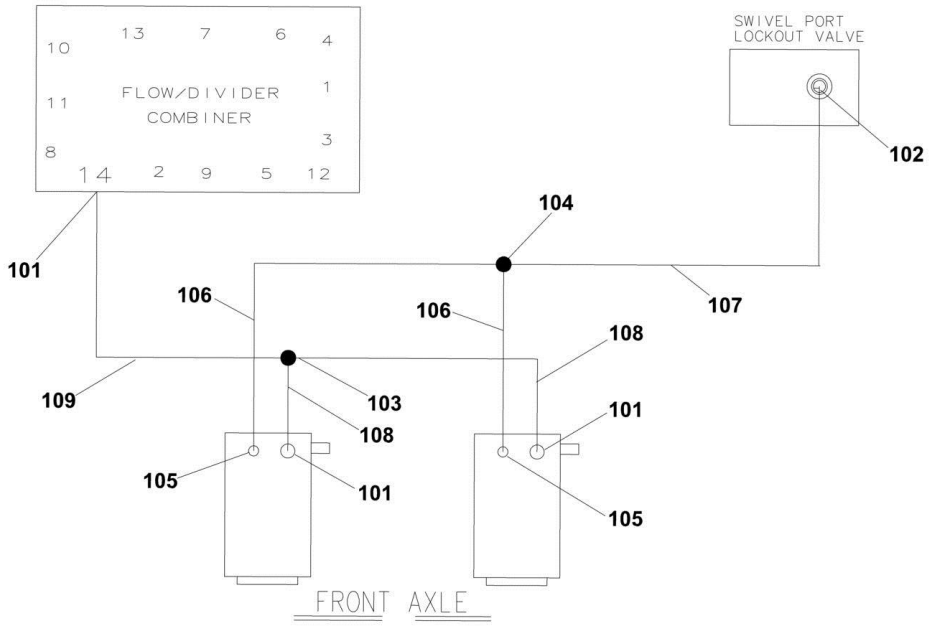


FIGURE 6-4. HYDRAULIC DIAGRAM - OSCILLATING AXLE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**AXLE LOCKOUT HYDRAULIC DIAGRAM - OSCILLATING AXLE**	
	2792204	Ref	**Machines (SN 0300068000 through 0300075605)**	3
1	2220603	1	Fitting, Straight	
2	2220635	1	Fitting, Tee	
3	2752822	2	Hose	
4	2220490	1	Fitting, Tee	
5	2220371	2	Fitting, Straight	
6	2752823	1	Hose	
7	2220385	1	Fitting, Tee	
8	2220619	1	Fitting, Reducer	
9	2220582	6	Fitting, Straight	
10	2751397	3	Hose	
11	2220504	1	Fitting, Tee	
12	2751015	1	Hose	
13	2220415	3	Fitting, Straight	
14	4640939	1	Valve, Shuttle	
15	2751020	2	Hose	
16	2752824	1	Hose	
17	2220577	1	Fitting, Straight	
	2792612	Ref	**Machines (SN 0300075606 through 0300087000)**	1
101	2220371	3	Fitting, Straight	
102	2220468	1	Fitting, Straight	
103	2220490	1	Fitting, Tee	
104	2220504	1	Fitting, Tee	
105	2220415	2	Fitting, Straight	
106	2751434	2	Hose	
107	2751410	1	Hose	
108	2753933	2	Hose	
109	2752462	1	Hose	

FIGURE 6-5. HYDRAULIC DIAGRAM - STANDARD (SN 0300068000 through 0300075605)

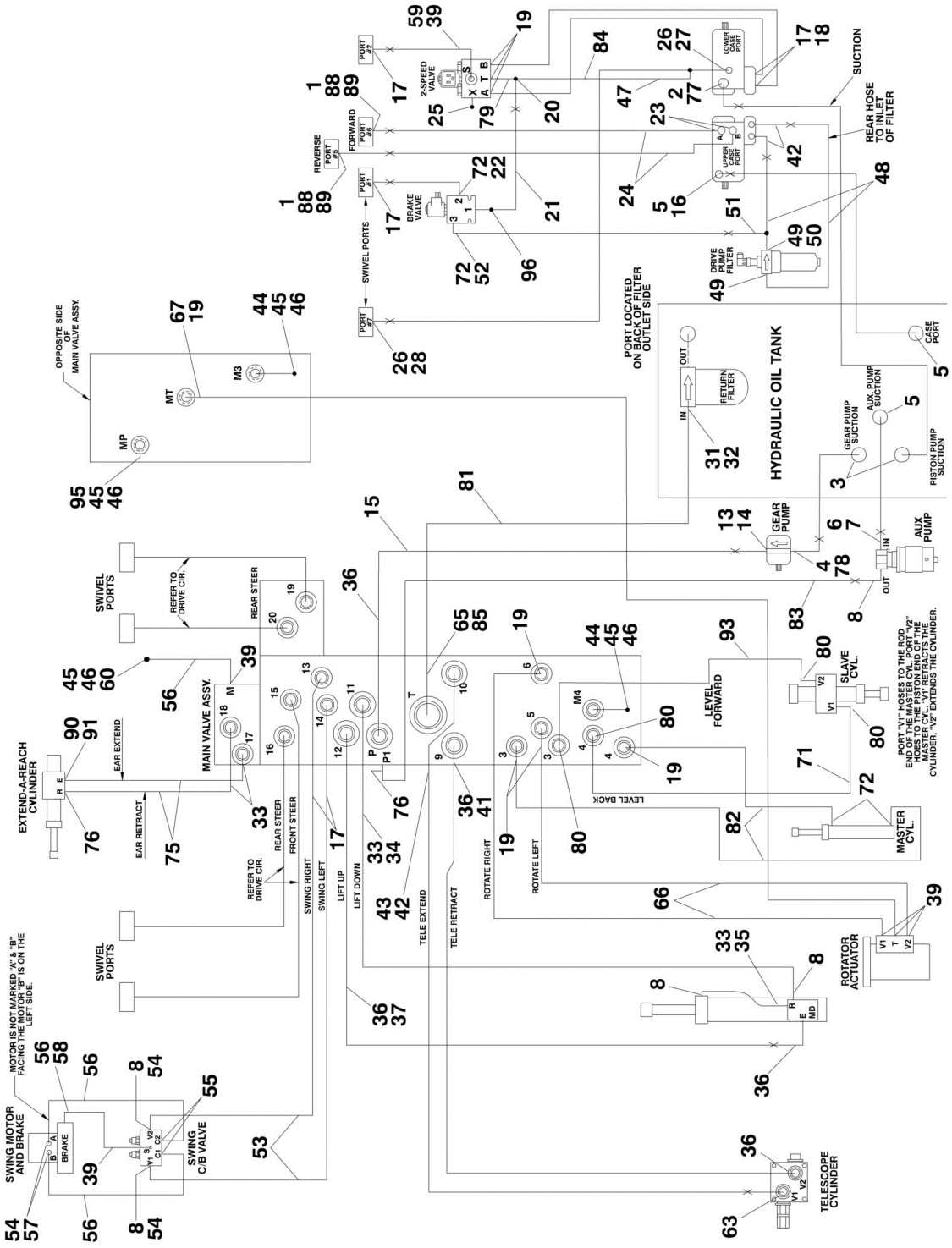


FIGURE 6-5. HYDRAULIC DIAGRAM - STANDARD (SN 0300068000 through 0300075605)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**STANDARD HYDRAULIC DIAGRAM**	
	2792179	Ref	**Standard Hydraulic Diagram 600S**	21
	2792181	Ref	**Standard Hydraulic Diagram 600SJ**	19
	2792180	Ref	**Standard Hydraulic Diagram 660SJ**	21
1	2220377	2	Fitting, Straight	
2	2752752	1	Hose	
3	2220380	2	Fitting, Straight	
4	2220376	1	Fitting, Straight	
5	2220578	3	Fitting, 90	
6	2752653	1	Hose	
7	2220408	1	Fitting, Straight	
8	2220628	5	Fitting, 90	
13	2220810	1	Fitting, Reducer	
14	4640744	1	Fitting, Check Valve	
15	2752504	1	Hose	
16	2752654	1	Hose	
17	2220582	AR	Fitting, Straight	
18	2751427	2	Hose	
19	2220415	AR	Fitting, Straight	
20	2220605	1	Fitting, Tee	
21	2752573	1	Hose	
22	2752594	1	Hose	
23	2220646	2	Fitting, 90	
24	2752340	2	Hose	
25	2220235	1	Fitting, Plug	
26	2220375	2	Fitting, Straight	
27	2220385	1	Fitting, Tee	
28	2752514	1	Hose	
31	2220921	1	Fitting, Reducer	
32	2220498	1	Fitting, 45	
33	2220372	AR	Fitting, Straight	
34	2752631	1	Hose	
35	2752632	1	Hose	
36	2220373	5	Fitting, Straight	
37	2752515	1	Hose	
38	2752587	1	Hose **(SN 0300068000 through 0300070974)**	
39	2220466	AR	Fitting, 90	
40	2220596	2	Fitting, 90 **(SN 0300068000 through 0300070974)**	
41		Ref	Hose Options:	
41	2752516	1	Hose **(SN 0300068000 through 0300070974)**	
41	2751474	1	Hose **(SN 0300070975 through 0300087000)**	
42	2220947	3	Fitting, Straight	
43	2752762	1	Hose	
44	2220873	AR	Fitting, Straight Nipple	
45	2220428	AR	Fitting, Quick Coupling	
46	2220429	AR	Fitting, Dust Cap	
47	2220618	1	Fitting, Reducer	
48	2752763	2	Hose	
49	2220906	2	Fitting, 90	
50	2220948	1	Fitting, Tee	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
51	2220618	1	Fitting, Reducer	
52	2752580	1	Hose	
53	2752588	2	Hose	
54	2220609	4	Fitting, Reducer	
55	2220468	2	Fitting, Straight	
56	2752981	AR	Hose	
57	2220497	2	Fitting, Straight	
58	2220502	1	Fitting, 45	
59	2751396	1	Hose	
60		Ref	Fitting, Straight Options:	
60	2220414	AR	Fitting, Straight 600S/660SJ	
60	Not Required	0	Fitting, Straight 600SJ	
61	2752433	1	Hose **(SN 0300068000 through 0300070974)**	
62	2220462	1	Fitting, 90 **(SN 0300068000 through 0300070974)**	
63	2220950	1	Fitting, 45	
64	2752517	1	Hose **(SN 0300068000 through 0300070974)**	
65	2220974	1	Fitting, Long Straight	
66		Ref	Hose Options:	
66	2752598	2	Hose 600S & 600SJ	
66	2752596	2	Hose 660SJ	
67		Ref	Hose Options:	
67	2752599	1	Hose 600S & 600SJ	
67	2752597	1	Hose 660SJ	
71		Ref	Hose Options:	
71	2752633	AR	Hose 600S & 660SJ	
71	2751868	AR	Hose 600SJ	
72	2220472	4	Fitting, 90	
75		Ref	Hose Options:	
75	2752633	2	Hose 660SJ	
75	2753048	2	Hose 600SJ	
76	2220473	AR	Fitting, 90	
77	2220479	1	Fitting, Straight	
78	2752753	1	Hose	
79	2220909	1	Fitting, Restrictor	
80	2220603	4	Fitting, Straight	
81	2752783	1	Hose	
82	2752591	2	Hose	
83	2752643	1	Hose	
84	2752981	1	Hose	
85	2220409	1	Fitting, 45	
87	2220574	1	Fitting, Straight **(SN 0300068000 through 0300070974)**	
88	0100011	AR	Compound, Locking	
89	0100038	AR	Loctite, Primer	
90	2180724	1	Fitting, 90 (600SJ & 660SJ Only)	
91	2180380	1	Fitting, Pipe Plug (600SJ & 660SJ Only)	
92	1703533	1	Decal - Hose Tags (Not Shown)	
93	2753083	1	Hose (600SJ & 660SJ Only)	
94	4240018	7	Tie-Strap (Not Shown)	
95	2220873	1	Fitting, Nipple	
96	2220914	1	Fitting, Restrictor	

FIGURE 6-6. HYDRAULIC DIAGRAM - STANDARD (SN 0300075606 through 0300087000)

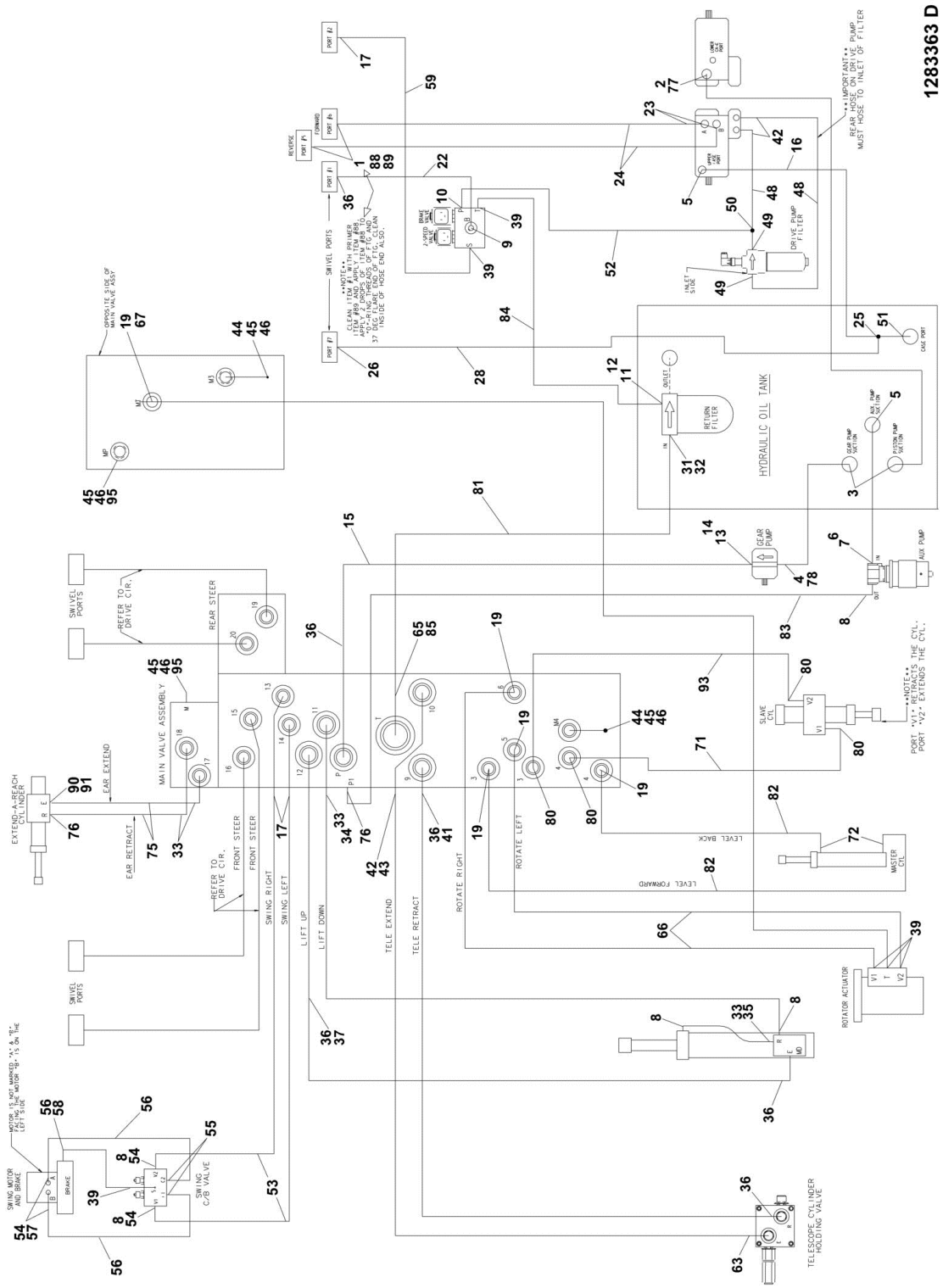


FIGURE 6-6. HYDRAULIC DIAGRAM - STANDARD (SN 0300075606 through 0300087000)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**STANDARD HYDRAULIC DIAGRAM**	
	2792608	Ref	**Standard Hydraulic Diagram 600S**	6
	2792614	Ref	**Standard Hydraulic Diagram 600SJ**	5
	2792613	Ref	**Standard Hydraulic Diagram 660SJ**	4
1	2220377	2	Fitting, Straight	
2	2752752	1	Hose	
3	2220380	2	Fitting, Straight	
4	2220376	1	Fitting, Straight	
5	2220578	2	Fitting, 90	
6	2752653	1	Hose	
7	2220408	1	Fitting, Straight	
8	2220628	5	Fitting, 90	
9	2220596	1	Fitting, 90	
10	2220474	1	Fitting, 90	
11	2220574	1	Fitting, 90	
12	0100020	AR	Sealant, Pipe	
13	2220810	1	Fitting, Reducer	
14	4640744	1	Fitting, Check Valve	
15	2752504	1	Hose	
16	2752654	1	Hose	
17	2220582	3	Fitting, Straight	
19	2220415	5	Fitting, Straight	
22	2752502	1	Hose	
23	2220646	2	Fitting, 90	
24	2752340	2	Hose	
25	2220407	1	Fitting, 90	
26	2220375	1	Fitting, Straight	
28	2753968	1	Hose	
31	2220921	1	Fitting, Reducer	
32	2220498	1	Fitting, 45	
33	2220372	AR	Fitting, Straight	
34	2752631	1	Hose	
35	2752632	1	Hose	
36	2220373	6	Fitting, Straight	
37	2752515	1	Hose	
39	2220466	6	Fitting, 90	
41	2751474	1	Hose	
42	2220947	3	Fitting, Straight	
43	2752762	1	Hose	
44	2220873	2	Fitting, Straight Nipple	
45	2220428	AR	Fitting, Quick Coupling	
46	2220429	AR	Fitting, Dust Cap	
47	2220618	1	Fitting, Reducer	
48	2752763	2	Hose	
49		Ref	Fitting, 90 Options:	
49	2220906	2	Fitting, 90 **(SN 0300075606 through 0300084826)**	
49	2221042	2	Fitting, 90 **(SN 0300084827 through 0300087000)**	
50	2220948	1	Fitting, Tee	
51	2220738	1	Fitting, Tee	
52	2753957	1	Hose	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
53	2752588	2	Hose	
54	2220609	AR	Fitting, Reducer	
55	2220468	2	Fitting, Straight	
56	2752981	3	Hose	
57	2220497	2	Fitting, Straight	
58	2220502	1	Fitting, 45	
59	2751396	1	Hose	
63	2220950	1	Fitting, 45	
65	2220974	1	Fitting, Long Straight	
66		Ref	Hose Options:	
66	2752598	2	Hose 600S & 600SJ	
66	2752596	2	Hose 660SJ	
67		Ref	Hose Options:	
67	2752599	1	Hose 600S & 600SJ	
67	2752597	1	Hose 660SJ	
71		Ref	Hose Options:	
71	2752633	AR	Hose 600S & 660SJ	
71	2751868	AR	Hose 600SJ **(SN 0300075606 through 0300087911)**	
71	2753048	AR	Hose 600SJ **(SN 0300087912 through 0300087000)**	
72	2220472	AR	Fitting, 90	
75		Ref	Hose Options:	
75	Not Required	0	Hose 600S	
75	2753048	2	Hose 600SJ	
75	2752633	AR	Hose 660SJ	
76	2220473	AR	Fitting, 90	
77	2220479	1	Fitting, Straight	
78	2752753	1	Hose	
80	2220603	4	Fitting, Straight	
81	2752783	1	Hose	
82	2752591	2	Hose	
83	2752643	1	Hose	
84	2753325	1	Hose	
85	2220409	1	Fitting, 45	
88	0100011	AR	Compound, Locking	
89	0100038	AR	Loctite, Primer	
90	2180724	1	Fitting, 90 (600SJ & 660SJ Only)	
91	2180380	1	Fitting, Pipe Plug (600SJ & 660SJ Only)	
92	1703533	2	Decal - Hose Tags (Not Shown)	
93		Ref	Hose Options:	
93	2752633	1	Hose 600S & 660SJ	
93	2752633	1	Hose 600SJ **(SN 0300075606 through 0300087911)**	
93	2753048	1	Hose 600SJ **(SN 0300087912 through 0300087000)**	
94	4240018	7	Tie-Strap (Not Shown)	
95	2220873	1	Fitting, Nipple	

FIGURE 6-7. HYDRAULIC DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**Note: Information on diagrams not shown is available from JLG Service/Parts Departments.**	
		Ref	**Drive and Steer Hydraulic Diagrams:**	
		Ref	Drive and Steer Hydraulic Diagrams **(SN 0300068000 through 0300075605)**	
	2792184	Ref	2WD/2WS Machines	
	2792185	Ref	2WD/4WS Machines	
	2792186	Ref	4WD/2WS Machines	
	2792187	Ref	4WD/4WS Machines	
		Ref	Drive and Steer Hydraulic Diagrams **(SN 0300075606 through 0300087000)**	
	2792616	Ref	2WD/2WS Machines	
	2792617	Ref	2WD/4WS Machines	
	2792607	Ref	4WD/2WS Machines	
	2792615	Ref	4WD/4WS Machines	
		Ref	**Axle Lockout Hydraulic Diagram**	
	2792204	Ref	Axle Lockout Hydraulic Diagram **(SN 0300068000 through 0300075605)**	
	2792612	Ref	Axle Lockout Hydraulic Diagram **(SN 0300075606 through 0300087000)**	
		Ref	**Loop Flushing Hydraulic Diagram**	
	2792660	Ref	2WD	
	2792659	Ref	4WD	
		Ref	**Oil Cooler Hydraulic Diagrams:**	
	0256762	Ref	**Deutz Engine**	
	1282665	Ref	**Deutz Engine**	
	0272041	Ref	**Ford Engine**	
	1283309	Ref	**Ford Engine**	
		Ref	**Standard Hydraulic Diagrams:**	
		Ref	Standard Hydraulic Diagrams **(SN 0300068000 through 0300075605)**	
	2792179	Ref	Standard Hydraulic Diagrams 600S	
	1282380	Ref	Standard Hydraulic Diagrams 600S	
	2792181	Ref	Standard Hydraulic Diagrams 600SJ	
	1282380	Ref	Standard Hydraulic Diagrams 600SJ	
	2792180	Ref	Standard Hydraulic Diagrams 660SJ	
	1282380	Ref	Standard Hydraulic Diagrams 660SJ	
		Ref	Standard Hydraulic Diagrams **(SN 0300075606 through 0300087000)**	
	2792608	Ref	Standard Hydraulic Diagrams 600S	
	1283363	Ref	Standard Hydraulic Diagrams 600S	
	2792614	Ref	Standard Hydraulic Diagrams 600SJ	
	1283363	Ref	Standard Hydraulic Diagrams 600SJ	
	2792613	Ref	Standard Hydraulic Diagrams 660SJ	
	1283363	Ref	Standard Hydraulic Diagrams 660SJ	
		Ref	**Standard Hydraulic Schematic**	
	2792176	Ref	Standard Hydraulic Schematic **(SN 0300068000 through 0300075605)**	
	2792605	Ref	Standard Hydraulic Schematic **(SN 0300075606 through 0300087000)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**Tool Hydraulic Diagrams:**	
	2792325	Ref	Tool Hydraulic Diagrams 600S	
	2792326	Ref	Tool Hydraulic Diagrams 600SJ	
	2792327	Ref	Tool Hydraulic Diagrams 660SJ	
		Ref	**Tow Hydraulic Diagram**	
	2792266	Ref	2WS **(SN 0300068000 through 0300075605)**	
	2792315	Ref	4WS **(SN 0300068000 through 0300075605)**	
	2792630	Ref	Tow Hydraulic Diagram **(SN 0300075606 through 0300087000)**	

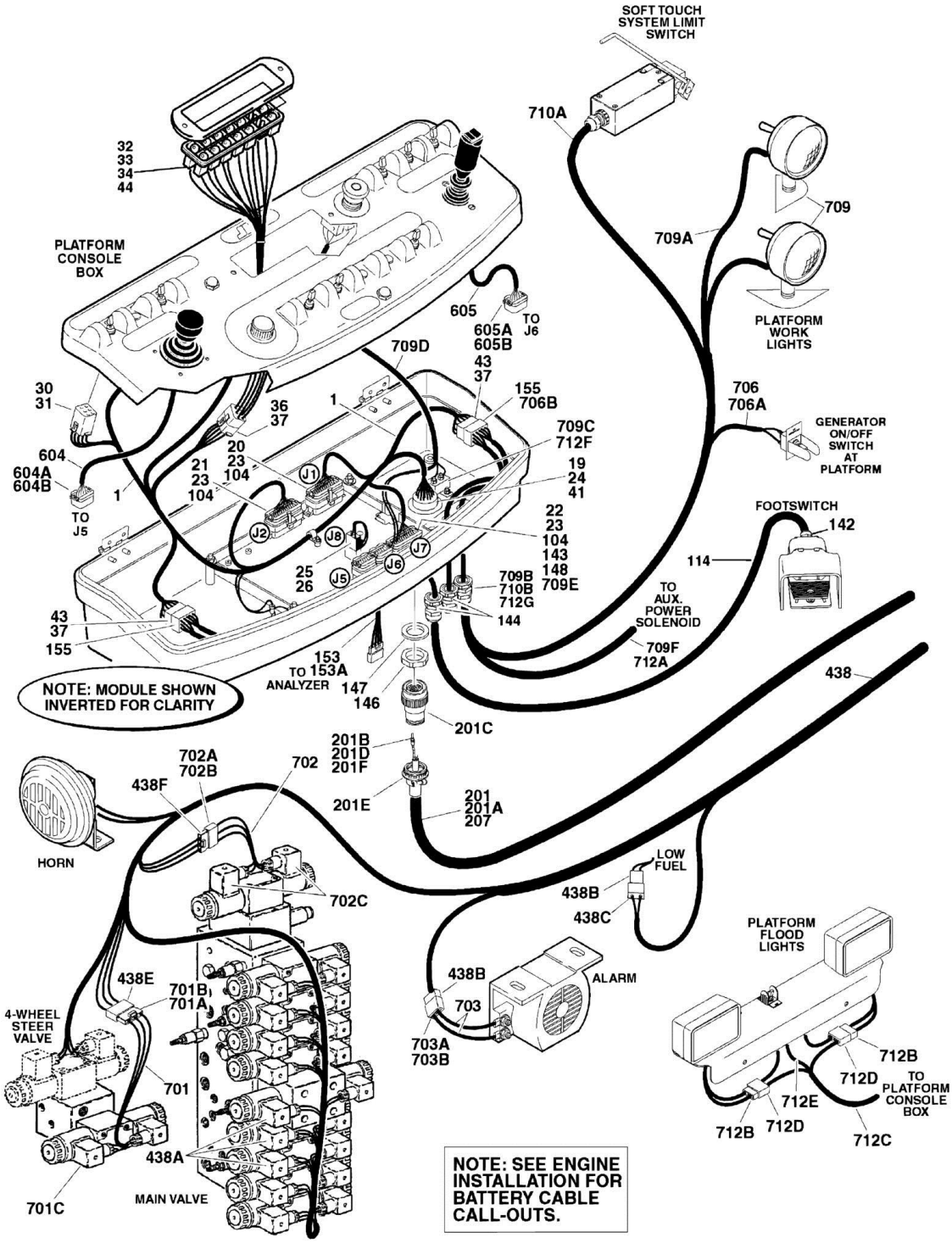
SECTION 7 - ELECTRICAL

FIGURE 7-1. ELECTRICAL DIAGRAM LIST

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**ALARM ELECTRICAL DIAGRAM**	
	4933025	Ref	**Motion Alarm**	1
	1282937	Ref	**Motion Alarm**	A
	4933026	Ref	**Travel Alarm**	1
	1282937	Ref	**Travel Alarm**	A
		Ref	**DRIVE CUT-OUT ELECTRICAL DIAGRAMS**	
	4932990	Ref	**Above Elevation**	2
	1282828	Ref	**Above Elevation**	B
	4932993	Ref	**Above Elevation Tilt**	2
	1282828	Ref	**Above Elevation Tilt**	B
	3640493	1	Rail, Mounting	
	4460607	2	Stop, Terminal	
	4120013	1	Socket, Relay	
	3740058	1	Relay 4PDT	
	3740063	1	Spring, Relay	
	4933307	Ref	**DRIVE/STEER CUT-OUT ELECTRICAL DIAGRAMS**	A
	4932986	Ref	**ENGINE LOW OIL SHUTDOWN ELECTRICAL DIAGRAM**	2-B
	4933313	Ref	**FLOOD LIGHTS ELECTRICAL DIAGRAM**	1-A
		Ref	**GENERATOR ELECTRICAL DIAGRAMS**	
	4933215	Ref	**110Volt (SN 0300068000 through 0300077489)**	1-B
	4933216	Ref	**220 Volt (SN 0300068000 through 0300077489)**	1-B
	4933300	Ref	**110/220 Volt (SN 0300077490 through 0300087000)**	1-A
	4933217	Ref	**GLOW PLUG DIAGRAM**	B
		Ref	**LIGHTS ELECTRICAL DIAGRAM**	
	4933219	Ref	**Headlight/Taillight and Chassis Illumination Lights Harness**	1-B
	4922643	1	Harness (Located in Ground Console Box)	
	3740049	1	Relay	
		Ref	**OIL COOLER ELECTRICAL DIAGRAMS**	
	0256762	Ref	**Deutz Engine**	4
	1282665	Ref	**Deutz Engine**	D
	0272041	Ref	**Ford Engine**	1
	1283309	Ref	**Ford Engine**	B
	4922509	Ref	**PLATFORM ELECTRICAL DIAGRAM**	
	4933218	Ref	**PLATFORM SOFT TOUCH SYSTEM ELECTRICAL DIAGRAM**	1-B
		Ref	**PLATFORM WORKLIGHTS ELECTRICAL DIAGRAMS**	
	0270814	Ref	**Platform Worklights Electrical Diagrams (SN 0300068000 through 0300074440)**	3-E
	0273486	Ref	**Platform Worklights Electrical Diagrams (600S) (SN 0300074441 through 0300087000)**	C
	0273490	Ref	**Platform Worklights Electrical Diagrams (600SJ) (SN 0300074441 through 0300087000)**	B
	0273491	Ref	**Platform Worklights Electrical Diagrams (660SJ) (SN 0300074441 through 0300087000)**	B
	4933263	Ref	**POWER TOOL ELECTRICAL DIAGRAM**	1-B
		Ref	**REMOTE CONTROL ELECTRICAL DIAGRAMS:**	
	4922847	Ref	Harness, Remote Control Box	1-A
	4922863	Ref	Harness, Cable Remote Control	1-A
	4933274	Ref	Electrical Diagram	A
		Ref	**STANDARD ELECTRICAL DIAGRAMS**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4933291	Ref	**Caterpillar Engine**	2-B
	4933222	Ref	**Deutz Engine (SN 0300068000 through 0300084826)**	4-D
	4933318	Ref	**Deutz Engine (SN 0300084827 through 0300087000)**	D
	4933221	Ref	**Ford EFI Engine (SN 0300068000 through 0300084826)**	3-C
	4933327	Ref	**Ford EFI Engine (SN 0300084827 through 0300087000)**	1-A
		Ref	**STANDARD ELECTRICAL SCHEMATIC**	
	1870132	Ref	**Caterpillar and Ford Engine Machines**	G
	1870132	Ref	**Deutz Engine Machines (SN 0300069000 through 0300084826)**	G
	1870191	Ref	**Deutz Engine Machines (SN 0300084827 through 0300087000)**	A
	0270805	Ref	**STROBE LIGHT ELECTRICAL DIAGRAM**	2
	1283235	Ref	**STROBE LIGHT ELECTRICAL DIAGRAM**	E

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION



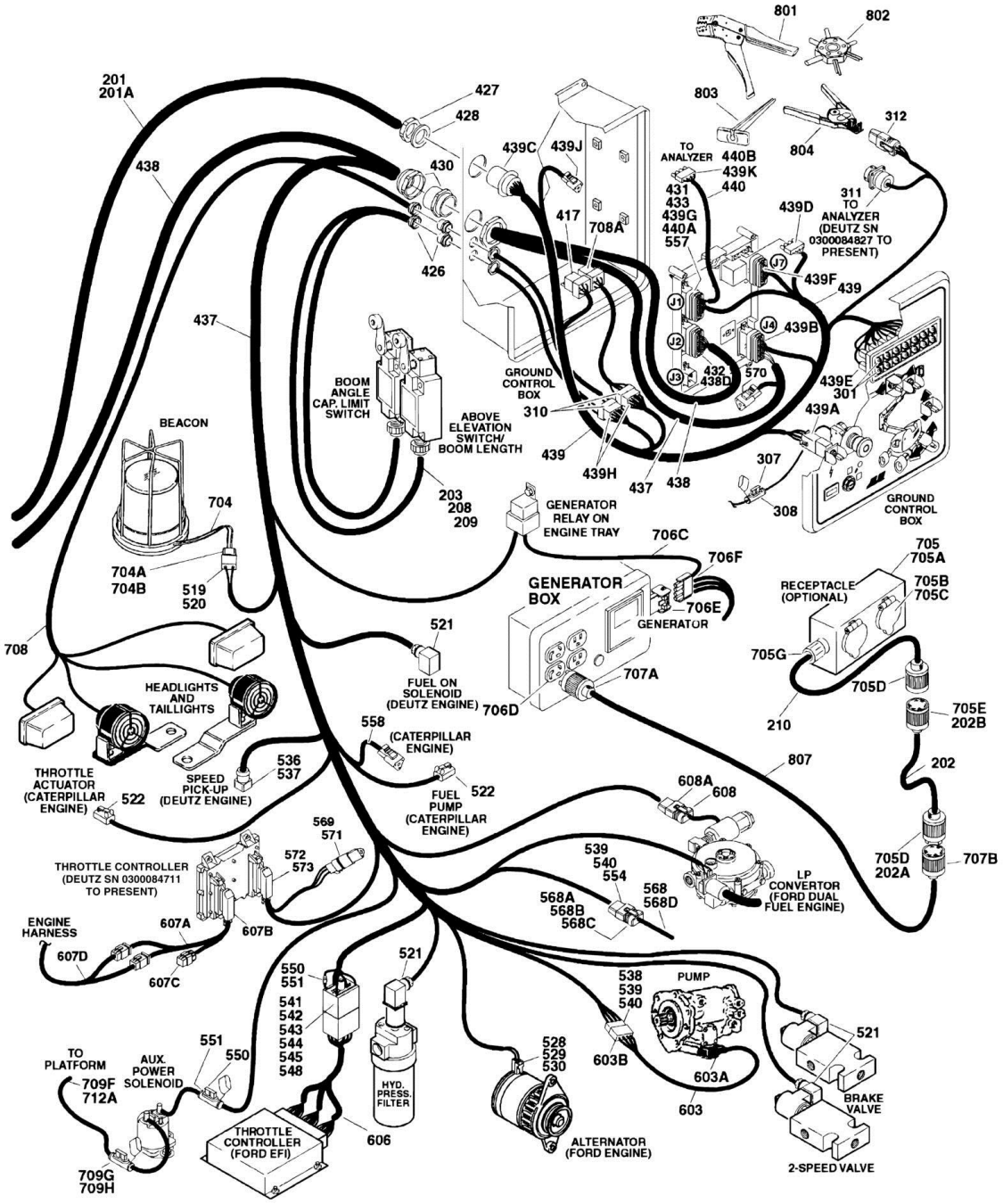

801
802
803
804
312
201
201A
427
428
430
426
438
439C
439J
TO ANALYZER
440B
439K
440
431
433
439G
440A
557
417
708A
439D
311
TO ANALYZER
(DEUTZ SN 0300084827 TO PRESENT)
J7
439F
439
J1
J2
J3
J4
439B
432
438D
570
437
BOOM ANGLE CAP. LIMIT SWITCH
GROUND CONTROL BOX
439E
301
439A
310
ABOVE ELEVATION SWITCH/ BOOM LENGTH
BEACON
439
439H
437
438
307
308
GROUND CONTROL BOX
704
203
208
209
GENERATOR RELAY ON ENGINE TRAY
706C
706F
705
705A
704A
704B
519
520
GENERATOR BOX
GENERATOR
706E
RECEPTACLE (OPTIONAL)
705B
705C
708
521
705G
705D
707A
706D
FUEL ON SOLENOID (DEUTZ ENGINE)
HEADLIGHTS AND TAILLIGHTS
558
(CATERPILLAR ENGINE)
705E
202B
210
807
202
THROTTLE ACTUATOR (CATERPILLAR ENGINE)
522
536
537
SPEED PICK-UP (DEUTZ ENGINE)
FUEL PUMP (CATERPILLAR ENGINE)
522
608A
608
569
571
572
573
539
540
554
705D
202A
707B
THROTTLE CONTROLLER (DEUTZ SN 0300084711 TO PRESENT)
568
568D
LP CONVERTOR (FORD DUAL FUEL ENGINE)
568A
568B
568C
ENGINE HARNESS
607A
607B
607D
607C
550
551
521
538
539
540
PUMP
541
542
543
544
545
548
528
529
530
603B
603A
603
521
TO PLATFORM
709F
712A
AUX. POWER SOLENOID
551
550
HYD. PRESS. FILTER
BRAKE VALVE
THROTTLE CONTROLLER (FORD EFI)
606
ALTERNATOR (FORD ENGINE)
2-SPEED VALVE
709G
709H

FIGURE 7-2. HARNESS COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4922639	Ref	**PLATFORM BOX HARNESS ASSEMBLY**	5-F
1	4922639	1	Harness, Console Box	
19	4460866	1	Connector - 19 Position	
20	4460874	1	Connector - 35 Position (Natural)	
21	4460875	1	Connector - 35 Position (Gray)	
22	4460873	1	Connector - 35 Position (Black)	
23	4460871	77	Socket, Female	
24	4460464	7	Pin, Male (16 Gauge)	
25	4460879	1	Terminal, Housing 2 Position	
26	4460887	2	Terminal, (12 Gauge)	
30	4460418	8	Connector - 6 Position	
31	4460419	24	Terminal, Female	
32	4120035	12	Base, Light	
36	4460225	1	Connector - 6 Position	
37	4460227	30	Pin, Male	
41	4460508	3	Pin, Male (12 Gauge)	
43	4460434	2	Connector - 15 Position	
44	2920129	12	Bulb, Light	
		Ref	**PLATFORM BOX ASSEMBLY COMPONENTS**	
104	0100048	AR	Grease, Dielectric	
114	1060918	8 ft/2.4m	Cable, Electrical - 18/3	
142	4460071	1	Connector, Strain Relief	
143	4460226	2	Socket, Female	
144	4460428	2	Connector, Strain Relief	
146	4460470	1	Nut, Terminal	
147	4460471	1	Lockwasher, Terminal	
148	4460905	5	Seal, Plug	
153	4922666	1	Harness, Analyzer Cable	2-B
153	4460226	4	Socket, Female (Not Shown - Located at J2)	
153A	4460761	1	Connector, Female - 4 Position	
153A	4460227	4	Pin, Male	
155	4460708	2	Terminal, 15 Pin Mate-N-Loc	
		Ref	**BOOM CABLES INSTALLATION**	
		Ref	**Boom Cables Installation 600S**	
	0270733	Ref	**Boom Cables Installation ANSI, ANSI Export, Brazilian, CSA, Japanese Specs without 7500W Generator**	4
	0270734	Ref	**Boom Cables Installation Latin American Specs without 7500W Generator**	5
	0272483	Ref	**Boom Cables Installation ANSI, ANSI Export, CSA Specs with 7500W Generator**	2
	0272484	Ref	**Boom Cables Installation Brazilian, Japanese, Latin American Specs with 7500W Generator**	2
		Ref	**Boom Cables Installation 600SJ - 2WS**	
	0270738	Ref	**Boom Cables Installation (600SJ) ANSI, ANSI Export, Brazilian, CSA, Japanese, Latin American Specs without 7500W Generator**	3
	0272488	Ref	**Boom Cables Installation (600SJ) ANSI, ANSI Export, CSA, Latin American Specs with 7500W Generator**	2
	0272487	Ref	**Boom Cables Installation (600SJ) Brazilian, Japanese Specs with 7500W Generator**	2
		Ref	**Boom Cables Installation 660SJ**	3

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0270736	Ref	**Boom Cables Installation (660SJ) ANSI, ANSI Export, Brazilian, CSA, Japanese, Latin American Specs without 7500W Generator**	3
	0272485	Ref	**Boom Cables Installation (660SJ) ANSI, ANSI Export, CSA, Latin American Specs with 7500W Generator**	2
	0272486	Ref	**Boom Cables Installation (660SJ) Brazilian, Japanese Specs with 7500W Generator**	2
201		Ref	Harness, Main Boom Options:	
201	4922468	1	Harness, Main Boom 600S - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec	
201	4922466	1	Harness, Main Boom 600SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec	
201	4922467	1	Harness, Main Boom 660SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec	
201A	1060896	Ref	Cable Options:	
201A	1060896	67 ft /20.4m	Cable 600S - 2WS	
201A	1060896	69 ft/21m	Cable 600SJ - 2WS	
201A	1060896	75 ft /22.8m	Cable 660SJ - 2WS	
201B	4460465	22	Socket, Female - #16	
201C	4460865	1	Connector - 19 Position	
201D	4460509	8	Socket, Female - #12	
201E	4460473	1	Clamp, Cable	
201F	4460466	4	Seal, Plug	
202		Ref	Harness Options: (Does not include plug ends)	
202	4922889	1	Harness 600S - ANSI, ANSI Export, CSA, Brazilian, Japanese Spec without 7500W Generator	
202	4922884	1	Harness 600S - Latin American Spec without 7500W Generator	
202	4922792	1	Harness 600S - ANSI, ANSI Export, CSA Spec with 7500W Generator	
202	4922887	1	Harness 600SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec without 7500W Generator	
202	4922790	1	Harness 600SJ - ANSI, ANSI Export, CSA, Latin American Spec with 7500W Generator	
202	4922888	1	Harness 660SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec without 7500W Generator	
202	4922791	1	Harness 660SJ - ANSI, ANSI Export, CSA, Latin American Spec with 7500W Generator	
202		Ref	Cable, Electrical - 12/3 Options (Without 7500W Generator):	
202	1060494	69.5 ft /21.8m	Cable, Electrical - 12/3, 600S - ANSI, ANSI Export, CSA, Brazilian, Japanese Spec	
202	1060461	69.5 ft /21.8m	Cable, Electrical - 12/3, 600S - Latin American Spec	
202	1060494	71 ft /21.6m	Cable, Electrical - 12/3, 600SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec	
202	1060494	77 ft /23.5m	Cable, Electrical - 12/3, 660SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec	
202	1060945	Ref	Cable, Electrical - 8/5 Options (With 7500W Generator):	
202	1060945	85 ft /25.9m	Cable, Electrical - 8/5, 600S - ANSI, ANSI Export, CSA Spec	
202	1060945	85 ft /25.9m	Cable, Electrical - 8/5, 600SJ - ANSI, ANSI Export, CSA, Latin American Spec	
202	1060945	90.5 ft /27.6m	Cable, Electrical - 8/5, 660SJ - ANSI, ANSI Export, CSA, Latin American Spec	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
202A	4460205	1	Plug, Male (110V)	
202B	4460134	1	Connector, Female (110V)	
203		Ref	Cable, Electrical - 18/2 Boom Horizontal Limit Switch Options:	
203	1061026	1	Cable, Electrical 600S - ANSI, ANSI Export, Brazilian, CSA, Japanese Specs without 7500W Generator	
203	Not Required	1	Cable, Electrical 600S - Latin American Spec without 7500W Generator	
203	Not Required	1	Cable, Electrical 600S - ANSI, ANSI Export, CSA Spec with 7500W Generator	
203	Not Required	1	Cable, Electrical 600S - Brazilian, Japanese Spec with 7500W Generator	
203	1061027	1	Cable, Electrical 600SJ/660SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec without 7500W Generator	
203	1061027	1	Cable, Electrical 600SJ/660SJ - ANSI, ANSI Export, CSA, Latin American Spec with 7500W Generator	
203	Not Required	1	Cable, Electrical 600SJ/660SJ - Brazilian, Japanese Spec with 7500W Generator	
203	1060680	Ref	Cable, Electrical - 18/2 Options:	
203	1060680	25.5 ft /7.8m	Cable, Electrical - 18/2 (600S)	
203	1060680	13.5 ft /4.2m	Cable, Electrical - 18/2 (600SJ/660SJ)	
207		Ref	Sleeve, Nylon Options: (Not Shown)	
207	4100026	10 ft/3.0m	Sleeve, Nylon 600S - 2WS	
207	Not Required	0	Sleeve, Nylon 600SJ/660SJ - 2WS	
208		Ref	Cable, Electrical - 18/2 (600S - 2WS Only) Options:	
208	1061027	2	Cable, Electrical 600S - ANSI, ANSI Export, Brazilian, CSA, Japanese Specs	
208	Not Required	0	Cable, Electrical 600S - Latin American Spec without 7500W Generator	
208	Not Required	0	Cable, Electrical 600S - Brazilian, Japanese, Latin American Spec with 7500W Generator	
208	1060680	13.5 ft /4.2m	Cable, Electrical 600S - 2WS	
209		Ref	Cable, Electrical - 18/2 Boom Length Options:	
209	Not Required	1	Cable, Electrical - 18/2 Boom Length 600S - ANSI, ANSI Export, CSA, Brazilian, Japanese Spec without 7500W Generator	
209	1061026	1	Cable, Electrical - 18/2 Boom Length 600S - Latin American Spec without 7500W Generator	
209	1061026	1	Cable, Electrical - 18/2 Boom Length 600S - ANSI, ANSI Export, CSA, Brazilian, Japanese Spec with 7500W Generator	
209	Not Required	1	Cable, Electrical - 18/2 Boom Length 600SJ/660SJ - ANSI, ANSI Export, CSA, Brazilian, Japanese, Latin American Spec without 7500W Generator	
209	Not Required	1	Cable, Electrical - 18/2 Boom Length 600SJ/660SJ - ANSI, ANSI Export, CSA, Latin American Spec with 7500W Generator	
209	1061026	1	Cable, Electrical - 18/2 Boom Length 600SJ/660SJ - Brazilian, Japanese Spec with 7500W Generator	
		Ref	**GROUND CONTROL BOX DIAGRAMS**	
		Ref	**Caterpillar Engine**	
	4933291	Ref	**Caterpillar Engine (SN 0300068000 through 0300084826)**	2-B
	4933328	Ref	**Caterpillar Engine (SN 0300084827 through 0300087000)**	1-A
		Ref	**Deutz Engine**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4933222	Ref	**Deutz Engine (SN 0300068000 through 0300084826)**	4-D
	4933318	Ref	**Deutz Engine (SN 0300084827 through 0300087000)**	D
		Ref	**Ford EFI Engine**	
	4933221	Ref	**Ford EFI Engine (SN 0300068000 through 0300084826)**	3-C
	4933327	Ref	**Ford EFI Engine (SN 0300084827 through 0300087000)**	1-A
301	2920129	AR	Bulb, Light	
307	2400065	1	Fuse, 30Amp	
308	2400066	1	Fuse, Holder with Cover	
310	4460708	2	Receptacle, Female - 15 Position	
310	4460226	13	Socket, Female	
310	4922637	1	Harness, Jumper (Not Shown)	
310	4922636	1	Harness, Jumper (Not Shown)	
311	4461072		Receptacle, Female - 12 Position (Deutz Engine Only) **(SN 0300084827 through 0300087000)**	
311	4461074	1	Shell, Receptacle **(SN 0300084827 through 0300087000)**	
311	4461071	4	Socket, Female (Gold) **(SN 0300084827 through 0300087000)**	
311	4461073	1	Cap, Dust (Deutz) **(SN 0300084827 through 0300087000)**	
311	2902443	1	Kit, Receptacle **(SN 0300084827 through 0300087000)**	
312	4460894	1	Plug, Male - 6 Position (Deutz Engine Only) **(SN 0300084827 through 0300087000)**	
312	4460892	1	Connector, Terminal **(SN 0300084827 through 0300087000)**	
		Ref	**GROUND CONTROL BOX COMPONENTS**	
417	3740049	1	Relay	
426	4460426	2	Connector, Strain Relief	
427	4460470	1	Nut, Terminal	
428	4460471	1	Lockwasher, Terminal	
430	4460526	1	Connector, Strain Relief	
431	4460874	1	Connector (Natural)	
432	4460875	1	Connector (Gray)	
433	4460905	4	Connector, Amp Seal Plug	
437		Ref	Engine Harness Assembly (Not Shown - See 501 to 573 for Breakdown)	
437	4922921	1	Engine Harness Assembly Caterpillar Engine **(SN 0300068000 through 0300084826)**	
437	4923227	1	Engine Harness Assembly Caterpillar Engine **(SN 0300084827 through 0300087000)**	
437	4922515	1	Engine Harness Assembly Deutz Engine Machines **(SN 0300068000 through 0300084826)**	
437	4923212	1	Engine Harness Assembly Deutz Engine Machines **(SN 0300084827 through 0300087000)**	
437	4922514	1	Engine Harness Assembly Ford Engine Machines **(SN 0300068000 through 0300084826)**	
437	4923226	1	Engine Harness Assembly Ford Engine **(SN 0300084827 through 0300087000)**	
438		Ref	Valve Harness Assembly Options:	
438	4922513	1	Valve Harness Assembly **(SN 0300068000 through 0300084826)**	3-D
438	4923206	1	Valve Harness Assembly **(SN 0300084827 through 0300087000)**	2-B
438A	4460880	15	Connector, DIN	
438B	4460320	2	Connector, Female- 2 Position	
438B	4460267	5	Pin, Male	
438C	4460424	1	Connector, Male- 2 Position	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
438C	4460268	5	Pin, Female	
438D	4460871	AR	Socket, Female	
438E	4460326	1	Connector, Male - 3 Position	
438E	4460267	7	Pin, Male	
438F	4460445	1	Connector, Female - 3 Position	
438F	4460268	5	Pin, Female	
439		Ref	Ground Control Box Harness Assembly Options:	
439	4922648	1	Ground Control Box Harness Assembly **(SN 0300068000 through 0300084826)**	4-E
439	4923213	1	Ground Control Box Harness Assembly Deutz Engine **(SN 0300084827 through 0300087000)**	B
439	4923229	1	Ground Control Box Harness Assembly Caterpillar and Ford Engine **(SN 0300084827 through 0300087000)**	1-A
439A	4460418	7	Connector, Female- 6 Position	
439A	4460419	21	Socket, Female	
439B	4460876	1	Connector, 35- Position	
439B	4460871	AR	Socket, Female	
439B	4460905	2	Seal, Plug	
439C	4460866	1	Connector - 19 Position	
439C	4460464	7	Pin, Male Deutsch (16 Gauge)	
439D	4460878	1	Housing, Terminal- 4 Position	
439D	4460887	3	Terminal (12 Gauge)	
439E	4120035	AR	Base, Light	
439E	4460634	AR	Terminal (16 Gauge)	
439F	4460873	1	Connector, 35- Position (Black)	
439F	4460871	AR	Socket, Female	
439F	4460635	5	Terminal (12 Gauge)	
439G	4460871	AR	Socket, Female	
439H	4460434	2	Plug, Male 15- Position	
439H	4460227	AR	Pin	
439I	3990010	2	Diode - 6 Amp (Not Shown)	
439J	4460536	1	Connector, Female - 3 Position (Deutz Engine Machines Only) **(SN 0300084827 through 0300087000)**	
439J	4460943	3	Socket, Female **(SN 0300084827 through 0300087000)**	
439K	4460761	1	Connector, Female - 4 Position (Deutz Engine Machines Only) **(SN 0300084827 through 0300087000)**	
439K	4460227	3	Pin, Male **(SN 0300084827 through 0300087000)**	
440	4922666	1	Cable, Analyzer **(SN 0300068000 through 0300084826)**	2-B
440A	4460226	4	Cable Socket, Female	
440B	4460761	1	Cable Connector, Female 4- Position	
440B	4460227	4	Pin, Male	
441		Ref	Ground Control Box Wiring Diagram (Not Shown - See Items 301 to 312 for Breakdown)	
441	4933291	1	Ground Control Box Wiring Diagram Caterpillar Engine **(SN 0300068000 through 0300084826)**	
441	4933328	1	Ground Control Box Wiring Diagram Caterpillar Engine **(SN 0300084827 through 0300087000)**	
441	4933222	1	Ground Control Box Wiring Diagram Deutz Engine **(SN 0300068000 through 0300084826)**	
441	4933318	1	Ground Control Box Wiring Diagram Deutz Engine **(SN 0300084827 through 0300087000)**	
441	4933221	1	Ground Control Box Wiring Diagram Ford Engine **(SN 0300068000 through 0300084826)**	
441	4933327	1	Ground Control Box Wiring Diagram Ford Engine **(SN**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
			0300084827 through 0300087000)	
		Ref	**ENGINE HARNESS ASSEMBLY**	
		Ref	**Caterpillar Engine**	
	4922921	Ref	**Caterpillar Engine (SN 0300068000 through 0300084826)**	3-C
	4923227	Ref	**Caterpillar Engine (SN 0300084827 through 0300087000)**	1-A
		Ref	**Deutz Engine**	
	4922515	Ref	**Deutz Engine (SN 0300068000 through 0300084826)**	5-E
	4923212	Ref	**Deutz Engine (SN 0300084827 through 0300087000)**	C
		Ref	**Ford Engine**	
	4922514	Ref	**Ford Engine (SN 0300068000 through 0300084826)**	9-I
	4923226	Ref	**Ford Engine (SN 0300084827 through 0300087000)**	2-B
519	4460424	1	Receptacle, Female - 2 Position	
520	4460268	AR	Socket, Female	
521	4460880	AR	DIN Connector without Diode	
522	4460891	2	Connector, Male - 2 Position (Caterpillar Engine Only)	
522	4460465	7	Socket, Female	
528	4460582	3	Terminal (Ford Engine Only)	
529	4460580	1	Lock, Terminal (Ford Engine Only)	
530	4460579	1	Housing - 3 Position (Ford Engine Only)	
536	4460890	1	Housing - 2 Position (Deutz Engine Only)	
537	4460889	2	Terminal (Deutz Engine Only)	
538	4460460	1	Connector, Male - 4 Position	
539	4460457	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)	
543	4460726	2	Connector Wedge Lock, Side (Ford Engine Only)	
544	4460800	29	Connector, Plug (Ford Engine Only)	
545	4460799	7	Pin, Male (Ford Engine Only)	
548	4460728	3	Pin, Male (Ford Engine Only)	
550	2400061	AR	Fuse (Ford Engine Only)	
551	2400060	2	Holder, Fuse (Ford Engine Only)	
554	4460742	1	Connector, Male - 2 Position (Ford Engine Only)	
557	4460871	AR	Socket, Female	
558	4460539	1	Connector, Male - 3 Position (Caterpillar Engine Only)	
558	4460944	3	Socket, Female	
567	2400065	1	Fuse, 30Amp (Ford Engine) **(SN 0300073350 through 0300087000)**	
568	3730120	1	Resistor Assembly (Ford Engine) **(SN 0300073350 through 0300087000)**	
568A	4460978	1	Resistor Assembly Receptacle, Male - 2 Position	
568B	4460979	2	Resistor Assembly Pin, Male	
568C	4460458	2	Resistor Assembly Seal, Terminal	
568D	3730121	1	Resistor Assembly Resistor	
		Ref	**Note: Items 569-573 is used on Deutz Engine Only from SN 0300084827 to SN 0300087000 Only.**	
569	4461070	1	Connector, Receptacle with Resistor (3 Position)	
570	4460539	1	Connector, Male - 3 Position	
570	4460944	3	Socket, Female	
571	4461095	1	Connector, Male - 3 Position	
571	4460944	3	Socket, Female	
572	4461052	1	Connector, Receptacle - 25 Position	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
572	4461005	5	Terminal (Gold)	
572	4461006	5	Seal, Terminal	
572	4461060	2	Terminal (Tin)	
572	4461054	2	Seal, Terminal	
573	4461053	1	Cover, Plug	
		Ref	**STANDARD HARNESS COMPONENTS**	
603	See Note	1	Pump Harness (Note: Not Available for Purchase)	
603A	7007497	1	Plug (Pump End)	
603B	7007498	1	Plug (Engine Harness End)	
604	See Note	1	Controller Harness Assembly (Lift and Swing) (Note: Not Available for Purchase)	
604A	7022819	1	Plug, Male - 8 Position (Natural)	
604B	4460871	8	Socket, Female	
605	See Note	1	Controller Harness/Circuit Board Assembly (Drive and Steer) (Note: Not Available for Purchase)	
605A	7022825	1	Plug, Male - 8 Position (Black)	
605B	4460871	7	Socket, Female	
606	See Note	1	Ford Engine Harness (For replacement parts refer to Ford engine dealer) (Ford Engine Machines) (Note: Not Available for Purchase)	
607		Ref	Deutz Engine Harness Components (For replacement parts refer to Deutz engine dealer) **(SN 0300084827 through 0300087000)**	
607A	7027796	1	Deutz Engine Harness (Not Shown) **(SN 0300084827 through 0300087000)**	
607B	4461052	1	Connector, Receptacle - 25 Position **(SN 0300084827 through 0300087000)**	
607B	4461053	1	Cover, Plug **(SN 0300084827 through 0300087000)**	
607B	4461005	5	Terminal (Gold) **(SN 0300084827 through 0300087000)**	
607B	4461006	5	Seal, Terminal **(SN 0300084827 through 0300087000)**	
607B	4461060	2	Terminal (Tin) **(SN 0300084827 through 0300087000)**	
607B	4461054	2	Seal, Terminal **(SN 0300084827 through 0300087000)**	
607B	4461008	18	Plug, Hole **(SN 0300084827 through 0300087000)**	
607C	7027793	1	Connector **(SN 0300084827 through 0300087000)**	
607D	7027794		Deutz Engine Harness **(SN 0300084827 through 0300087000)**	
608	See Note	1	Dual Fuel Shut-Off Filter Harness (Note: Not Available for Purchase)	
608A	7023679	1	Electrical Connector Kit (Includes [1] 2 Position Connector, 2 Pins and 2 Seals)	
		Ref	**OPTIONAL HARNESS COMPONENTS**	
701	4921928	1	4WS Valve Harness	
701A	4460268	3	Socket, Female	
701B	4460445	1	Connector, Female - 3 Position	
701C	4460499	2	Connector, DIN with Diode	
702	4921927	1	Jib Valve Harness (600SJ & 660SJ Only)	
702A	4460326	1	Plug, Male - 3 Position	
702B	4460267	3	Pin, Male	
702C	4460499	2	Connector, DIN with Diode	
703	0257887	1	Alarm Harness (Includes Alarm)	
703A	4460424	1	Plug, Male - 2 Position	
703B	4460268	2	Socket, Female	
704		Ref	Strobe Light Harness Options (Includes Strobe Light):	
704	0255917	1	Strobe Light Harness **(SN 0300068000 through 0300069326)**	
704	0272507	1	Strobe Light Harness **(SN 0300069327 through 0300087000)**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
704A	4460320	1	Connector, Female - 2 Position	
704B	4460267	2	Pin, Male	
705		Ref	AC to Platform Receptacle Components Options:	
705	0256113	AR	AC to Platform 110V GFI Receptacle	2
705	0257175	AR	AC to Platform 220V Receptacle	2
705A	0860038	1	Box, Switch	
705B		Ref	Receptacle Options:	
705B	4460346	1	Receptacle 110V GFI	
705B	4460125	1	Receptacle 220V	
705C		Ref	Shield, Cover Options:	
705C	4060700	1	Shield, Cover 110V GFI	
705C	4060092	1	Shield, Cover 220V	
705D		Ref	Plug, Male Options:	
705D	4460205	2	Plug, Male 110V GFI	
705D	4460233	2	Plug, Male 220V	
705E		Ref	Connector, Female Options:	
705E	4460134	2	Connector, Female 110V GFI	
705E	4460701	2	Connector, Female 220V	
705F		Ref	Harness-Receptacle Box to Boom Options:	
705F	4921801	1	Harness-Receptacle 110V	
705F	See Note	1	Harness-Receptacle 220V (Note: Not Available for Purchase)	
705F	1060494	18 in /47cm	Cable, Electrical - 12/3	
705G	4460071	1	Connector, Strain Relief	
706		Ref	Generator Electrical Components	
706	4933215	AR	Generator Electrical Components 110V **(SN 0300068000 through 0300077489)**	1-B
706	4933216	AR	Generator Electrical Components 220V **(SN 0300068000 through 0300077489)**	1-B
706	4933300	AR	Generator Electrical Components 110V/220V **(SN 0300077490 through 0300087000)**	1-A
706	3990010	1	Diode - 6 Amp (Not Shown)	
706A	4922641	1	Harness - On/Off Switch	
706B	4460226	2	Socket, Female	
706C		Ref	Powermite Control Box to Relay Options:	
706C	4922482	1	Powermite Control Box to Relay **(SN 0300068000 through 0300079611)**	
706C	4922970	1	Powermite Control Box to Relay **(SN 0300079612 through 0300087000)**	
706D	4460027	1	Receptacle, Twist Lock (110V Only)	
706E	4460961	1	Connector, Female - 4 Position **(SN 0300077490 through 0300087000)**	
706E	4460705	4	Pin, Male	
706F	4460321	1	Connector, Male - 4 Position **(SN 0300077490 through 0300087000)**	
706F	4460906	4	Socket, Female	
707	4921827	1	Generator to Rear of Boom Harness (110V)	
707	4921954	1	Generator to Rear of Boom Harness (220V)	
		Ref	**Note: Harness used to connect AC at platform harness to generator receptacle to power platform receptacle.**	
707	1060494	26 ft/8m	Cable, Electrical - 12/3	
707A	4460205	1	Plug, Male (110V)	
707A	4460233	1	Plug, Male (220V)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
707B	4460134	1	Receptacle, Female (110V)	
707B	4460701	1	Receptacle, Female (220V)	
708	See Note	1	Headlight and Taillight and Chassis Illumination Lights Harness (Note: Not Available for Purchase)	
708	1060341	37 ft /11.3m	Cable, Electrical - 16/2	
708A	3740049	1	Relay	
708B	4922643	1	Harness, Bag (Located at Ground Control Box) (Not Shown)	
709		Ref	Platform Worklights Components	
709A	2920140	2	Platform Worklights External Harness (Includes Light and Wire Only)	
709B		Ref	Connector, Strain Relief Options:	
709B	4460598	1	Connector, Strain Relief **(SN 0300068000 through 0300074440)**	
709B	4460426	1	Connector, Strain Relief **(SN 0300074441 through 0300087000)**	
709C	4360232	1	Circuit Breaker, 15Amp **(SN 0300068000 through 0300074440)**	
709D	4922498	1	Platform Worklights Internal Harness **(SN 0300068000 through 0300074440)**	
709E	4460871	3	Socket, Female **(SN 0300068000 through 0300074440)**	
		Ref	**Note: Items 709F-709H SN 0300074441 to SN 0300087000.**	
709F		Ref	Platform Worklights Harness Options:	
709F	4922888	1	Platform Worklights Harness 600S/600SJ	
709F	4922964	1	Platform Worklights Harness 660SJ	
709F	1060494	Ref	Cable, Electrical - 12/3 Options:	
709F	1060494	77 ft /23.5mm	Cable, Electrical - 12/3 (600S/600SJ)	
709F	1060494	83 ft /25.3mm	Cable, Electrical - 12/3 (660SJ)	
709G	2400070	1	Fuse	
709H	2400066	1	Holder, Fuse	
710	See Note	1	Soft-Touch System Harness (Note: Not Available for Purchase)	
710A	1060341	16 ft/4.9m	Cable, Electrical - 16/3	
710B	4460425	1	Connector, Strain Relief	
711	Not Required	0	Not Required	
712	4933313	1	Floodlights Harness Components	
712A	1060494	77 ft /23.5m	Electrical Cable 12/3 (Aux Relay to Console Box)	
712B	4460320	2	Plug, Male - 2 Position	
712B	4460227	4	Pin, Male	
712C	4922764	1	Floodlight Harness (Lights to Switch)	
712D	4460424	2	Connector, Female - 2 Position	
712D	4460226	4	Socket, Female	
712E	1060977	1	Cord, 2 Wire Coiled (Console Box Circuit Breaker to Switch)	
712F	4360232	1	Circuit Breaker - 15 Amp	
712G	4460425	1	Strain, Relief	
		Ref	**TOOLS**	
801	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
802	7002823	1	Extractor (For Removal of Pin/Socket from Connectors)	
803	4460467	1	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors)	
803	4460510	1	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
804	7002828	1	Stripper, Wire	
805	2901443	1	Analyzer Kit (Not Shown)	

SECTION 8 - DECALS

SECTION 8 - DECALS

FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC)

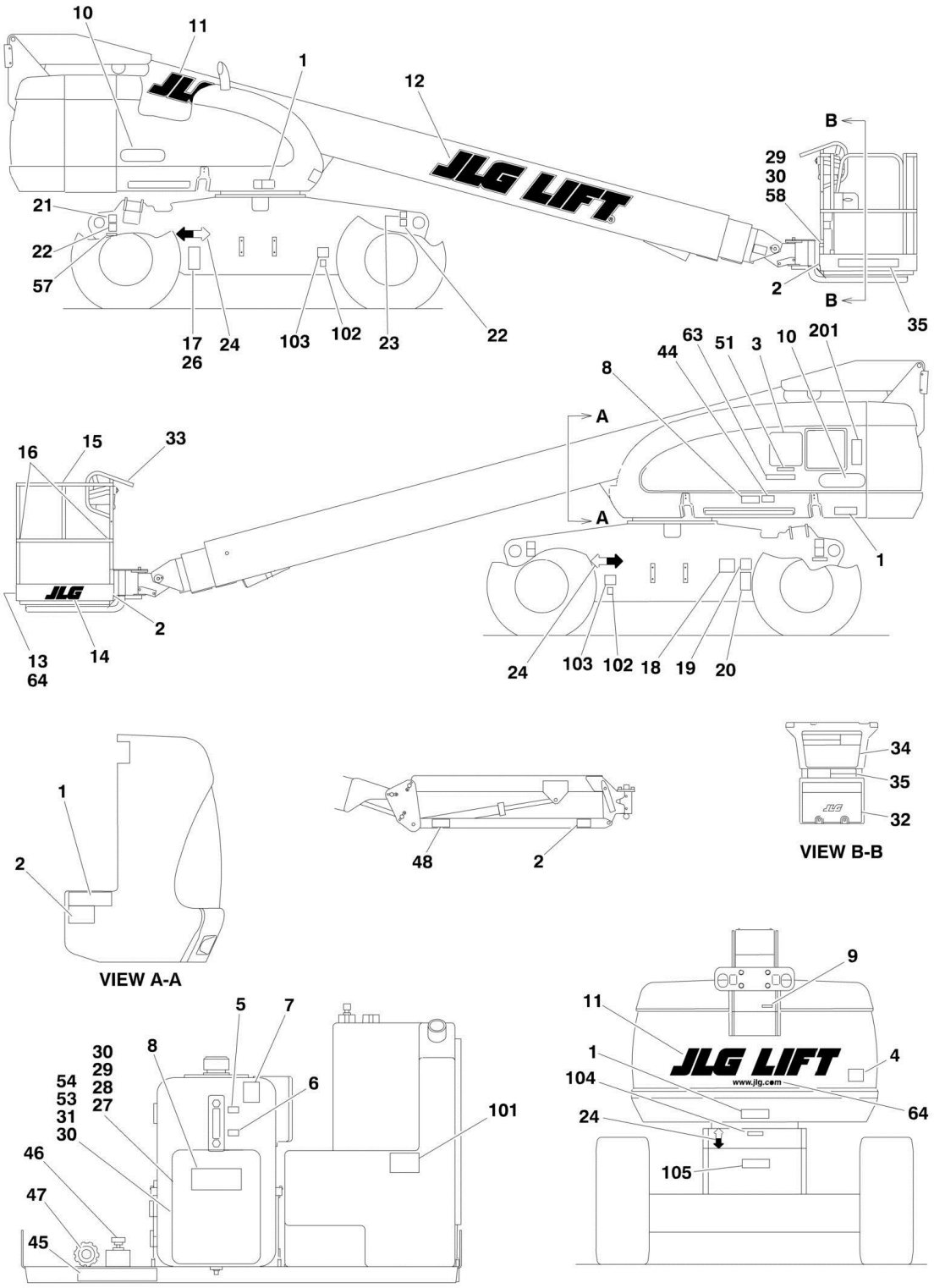


FIGURE 8-1. DECAL INSTALLATION (ANSI SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**STANDARD DECAL INSTALLATIONS**	
	0271014	Ref	**Decal - JLG**	3
	0255329	Ref	**Standard Decal Installations 600S ANSI Spec**	17
	0255333	Ref	**Standard Decal Installations 600SJ ANSI Spec**	17
	0255331	Ref	**Standard Decal Installations 660SJ ANSI Spec**	18
1	1703805	4	Decal - Danger/Electrocution	
2	1703804	AR	Decal - Warning/Crushing	
3	1703798	1	Decal - Danger/Warning	
4	3251813	1	Decal - USA	
5	1701502	1	Decal - High Oil Level	
6	1701503	1	Decal - Low Oil Level	
7	1701504	1	Decal - Hydraulic Oil	
8	1701509	1	Decal - Manual	
9		Ref	Nameplate Options:	
9	3251243	1	Nameplate 120V-60Hz	
9	3252507	1	Nameplate 220V-50/60Hz	
10		Ref	Decal - Model Options:	
10	1702815	2	Decal - Model 600S	
10	1702816	2	Decal - Model 600SJ	
10	1702817	2	Decal - Model 660SJ	
11	1702861	3	Decal - JLG Lift (8in)	
12	1702862	1	Decal - JLG Lift (12in) **(SN 0300068000 through 0300069980)**	
13	1702774	1	Decal - JLG Lift (3-1/2in)	
14	1702773	2	Decal - JLG (5in)	
15	1702868	2	Decal - No Hands	
16	1704277	AR	Decal - Attach Lanyard Here	
17	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
18	1702153	1	Decal - Inspection	
19	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20	1700584	1	Decal - Patent	
21	1701499	2	Decal - No Tie Down/Lift	
22	1702300	4	Decal - Tie Down/Lift	
23	1701500	2	Decal - Tie Down/Lift	
24	1701529	4	Decal- Arrow	
26	3820001	4	Rivet	
27	0641408	4	Bolt 1/4in-20NC x 1in	
28	1060279	1	Cable, Lanyard	
29	3311405	AR	Locknut 1/4in-20NC	
30	4751400	AR	Flatwasher 1/4in	
31	0860520	1	Box, Manual Storage	
32	3380434	1	Panel, Pedestal **(SN 0300068000 through 0300076512)**	
33	1702784	1	Decal - Legend	
34	1703797	1	Decal - Danger/Warning	
35		Ref	Decal - 500LBS Max Capacity Options:	
35	1704096	2	Decal Standard - 600S	
35	1701645	2	Decal Standard - 600SJ & 660SJ	
44	1702901	1	Decal - Manual Descent **(SN 0300068000 through 0300070916)**	
45	1702902	1	Decal - Manual Descent **(SN 0300068000 through 0300070916)**	
46	1702903	1	Decal - Manual Descent **(SN 0300068000 through 0300070916)**	
47	1702904	1	Decal - Manual Descent **(SN 0300068000 through 0300070916)**	

SECTION 8 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1702908	1	Decal - Manual Descent **(SN 0300068000 through 0300070916)**	
51		Ref	Decal - 500LBS Max Capacity Options:	
51	1702966	1	Decal Standard (600S)	
51	1702688	1	Decal Standard (600SJ & 660SJ)	
53	0641406	4	Bolt 1/4in-20NC x 3/4in	
54	0100011	AR	Compound, Locking	
57	1703470	4	Decal - Tire Load	
58	0641414	2	Bolt 1/4in-20NC x 1-3/4in **(SN 0300068000 through 0300076512)**	
63	1703808	1	Decal - Legend	
64	1704885	2	Decal - Website	
		Ref	**DECAL INSTALLATION (OPTIONAL PARTS)**	
101		Ref	Decal - Fuel	
101	1701542	1	Decal - Ford Engine Machines	
101	1701505	1	Decal - Deutz Engine Machines	
102	1701543	1	Decal - LP Gas (Dual Fuel and LP Only Machines)	
103	1700818	1	Decal - LP Gas Liquid withdrawal System (Dual Fuel and LP Only Machines)	
104	3250872	1	Nameplate - Steer/Tow Selection (Machines with Tow Package Only)	
105		Ref	Decal - Tow Instructions Options: (Machines with Tow Package Only)	
105	1702305	1	Decal - Tow Instructions 2WD	
105	1703403	1	Decal - Tow Instructions 4WD	
	0272341	Ref	**DECAL INSTALLATION TIRE SEALANT**	1
201	1705363	1	Decal - Tire Sealant Large	

FIGURE 8-2. DECAL INSTALLATION (COUNTRY SPEC)

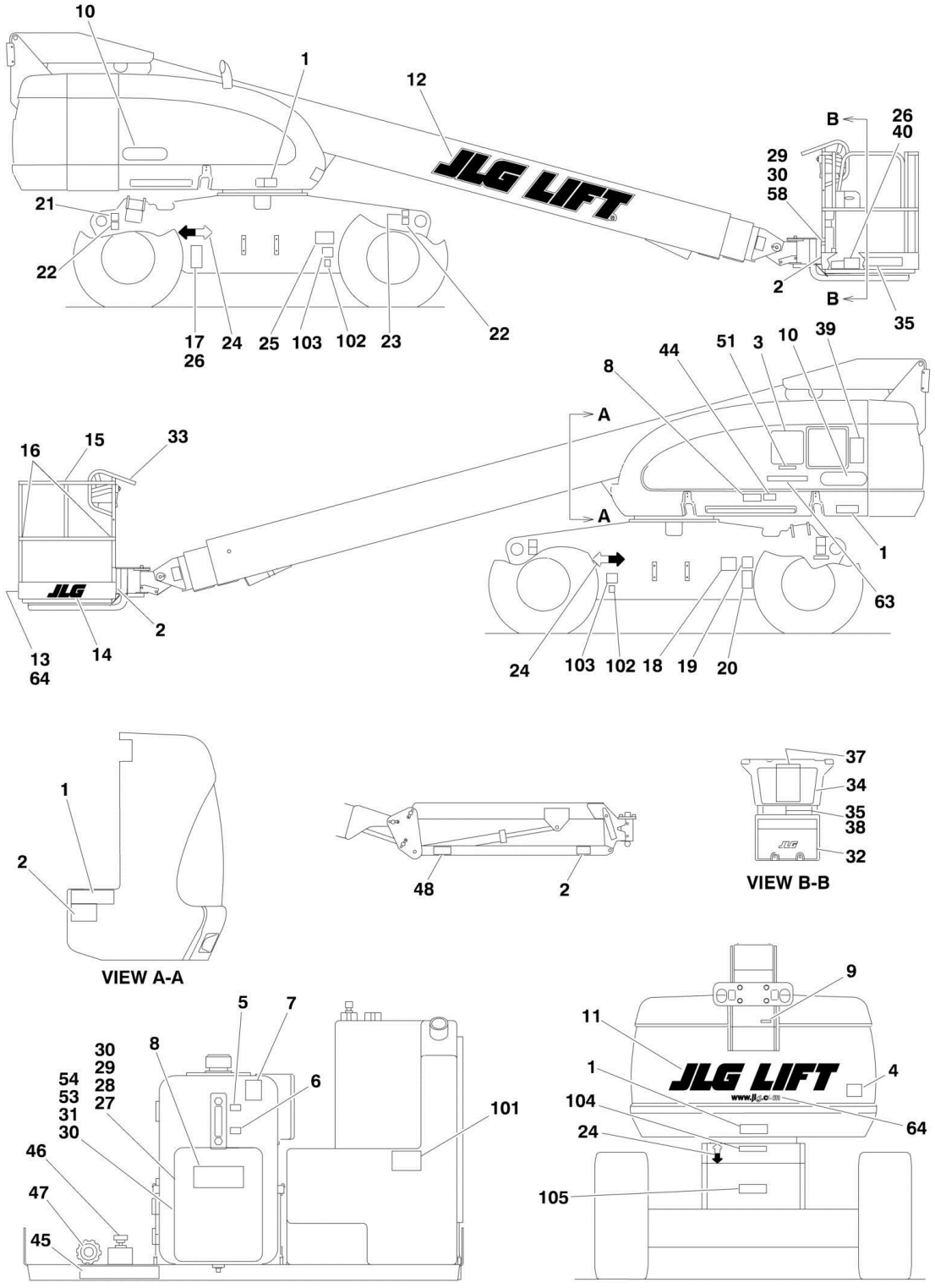


FIGURE 8-2. DECAL INSTALLATION (COUNTRY SPEC)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**DECAL INSTALLATIONS**	
	0255330	Ref	**Decal Installations 600S Common Decals**	12
	0255334	Ref	**Decal Installations 600SJ Common Decals**	12
	0255332	Ref	**Decal Installations 660SJ Common Decals**	13
	0257493	Ref	**Decal Installations 600S Brazilian Spec**	5
	0257494	Ref	**Decal Installations 600SJ & 660SJ Brazilian Spec**	5
	0259328	Ref	**Decal Installations 600S CSA Spec**	11
	0259329	Ref	**Decal Installations 600SJ CSA Spec**	13
	0259330	Ref	**Decal Installations 660SJ CSA Spec**	13
	0273537	Ref	**Decal Installations 660SJ English, Chinese Spec**	3
	0273536	Ref	**Decal Installations 600S English, Korean Spec**	3
	0256258	Ref	**Decal Installations 600S Japanese Spec**	3
	0256575	Ref	**Decal Installations 600SJ & 660SJ Japanese Spec**	4
	0256673	Ref	**Decal Installations 600S Latin American Spanish Spec**	15
	0256663	Ref	**Decal Installations 600SJ Latin American Spanish Spec**	9
	0256672	Ref	**Decal Installations 660SJ Latin American Spanish Spec**	11
1		Ref	Decal - Electrocution Options:	
1	Not Required	0	Decal - Electrocution Brazilian Spec and Japanese Spec	
1	1703937	4	Decal - Electrocution Chinese Spec	
1	1703936	4	Decal - Electrocution CSA Spec	
1	1703939	4	Decal - Electrocution Korean Spec	
1	1702585	4	Decal - Electrocution Latin American Spec	
2		Ref	Decal - Crushing Options:	
2	1701518	5	Decal - Crushing Brazilian Spec and Japanese Spec	
2	1703949	3	Decal - Crushing Chinese Spec	
2	1703948	3	Decal - Crushing CSA Spec	
2	1703951	3	Decal - Crushing Korean Spec	
2	1702583	3	Decal - Crushing Latin American Spec	
3		Ref	Decal - Danger/Warning Options:	
3	Not Required	0	Decal - Danger/Warning Brazilian Spec and Japanese Spec	
3	1703931	1	Decal - Danger/Warning Chinese Spec	
3	1703930	1	Decal - Danger/Warning CSA Spec	
3	1703933	1	Decal - Danger/Warning Korean Spec	
3	1702971	1	Decal - Danger/Warning Latin American Spec	
4		Ref	Decal - USA Options:	
4	Not Required	0	Decal - USA, Brazilian, Chinese, Japanese Spec and Korean Spec	
4	3251813	1	Decal - USA, CSA and Latin American Spec	
5	1701502	1	Decal - High Oil Level	
6	1701503	1	Decal - Low Oil Level	
7	1701504	1	Decal - Hydraulic Oil	
8	1701509	1	Decal - Manual	
9		Ref	Decal - AC to Platform Options:	
9	Not Required	0	Decal - AC to Platform Brazilian, Chinese, Japanese Spec and Korean Spec	
9	1703453	1	Decal - AC to Platform AC (Latin American Spec)	
9	3251243	1	Decal - AC to Platform 120V-60Hz	
9	3252507	1	Decal - AC to Platform 220V-50/60Hz	
10		Ref	Decal - Model Designation Options:	
10	1702815	2	Decal - Model Designation 600S	

SECTION 8 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
10	1702816	2	Decal - Model Designation 600SJ	
10	1702817	2	Decal - Model Designation 660SJ	
11	1702861	1	Decal - JLG Lift (8in)	
12	1702862	1	Decal - JLG Lift (12in)	
13	1702774	1	Decal - JLG Lift (3-1/2in)	
14	1702773	2	Decal - JLG (5in)	
15		Ref	Decal - No Hands Options:	
15	1703899	2	Decal - No Hands Brazilian Spec	
15	1704000	2	Decal - No Hands CSA Spec	
15	Not Required	0	Decal - No Hands Chinese, Japanese Spec and Korean Spec	
15	1702975	1	Decal - No Hands Latin American Spec	
16		Ref	Decal - Attach Lanyard Here Options:	
16	1704277	AR	Decal - Attach Lanyard Here Brazilian, Chinese, CSA, Korean and Latin American Spec	
16	Not Required	0	Decal - Attach Lanyard Here Japanese Specs	
17	See Note	NSS	Nameplate - Serial Number (Note: Not Available for Purchase)	
18		Ref	Decal - Inspection Options:	
18	Not Required	0	Decal - Brazilian, Chinese, Japanese Spec and Korean Spec	
18	1704006	2	Decal - CSA Spec	
18	1702552	1	Decal - Latin American Spec	
19	See Note	NSS	Decal - Bar Code (Note: Not Available for Purchase)	
20		Ref	Decal - Patent Options:	
20	1700584	1	Decal - Patent Brazilian, Chinese, Japanese Spec and Korean Spec	
20	1702573	1	Decal - Patent Latin American Spec	
21	1701499	2	Decal - No Tie Down /Lift	
22	1702300	4	Decal - Tie Down /Lift	
23	1701500	2	Decal - Tie Down /Lift	
24	1701529	4	Decal- Arrow	
25		Ref	Decal - Warning Options:	
25	Not Required	0	Decal - Warning Brazilian, Chinese, Japanese Spec and Korean Spec	
25	1702581	1	Decal - Warning Latin American Spec	
26	3820001	AR	Rivet	
27	0641408	1	Bolt 1/4in-20NC x 1in	
28	1060279	1	Cable, Lanyard	
29	3311405	AR	Locknut 1/4in-20NC	
30	4751400	AR	Flatwasher 1/4in	
31	0860520	1	Box, Manual Storage	
32	3380434	1	Panel, Pedestal **(SN 0300068000 through 0300076512)**	
33		Ref	Decal - Legend Options:	
33	Not Required	0	Decal - Legend Brazilian, Chinese, Japanese Spec and Korean Spec	
33	1702784	2	Decal - Legend CSA Spec	
33	1702972	1	Latin American Spec	
34		Ref	Decal - Danger/Warning Options:	
34	Not Required	0	Decal - Danger/Warning Brazilian Spec and Japanese Spec	
34	1703925	1	Decal - Danger/Warning Chinese Spec	
34	1703924	2	Decal - Danger/Warning CSA Spec	
34	1703927	1	Decal - Danger/Warning Korean Spec	
34	1702973	1	Decal - Danger/Warning Latin American Spec	
35		Ref	Decal - Maximum Capacity Options:	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35	Not Required	0	Decal Brazilian Spec and Japanese Spec	
35	1703996	1	Decal Chinese Spec - 660SJ	
35	1704099	2	Decal CSA Spec - 600S	
35	1703996	2	Decal CSA Spec - 600SJ/660SJ	
35	1704103	1	Decal Korean Spec - 600S	
35	1704100	2	Decal Latin American Spec - 600S	
35	1702974	2	Decal Latin American Spec - 600SJ/660SJ	
37		Ref	Nameplate - Capacity Options:	
37	1703536	1	Nameplate - Capacity Brazilian Spec	
37	1701924	1	Nameplate - Capacity Japanese Spec	
37	Not Required	0	Nameplate - Capacity Chinese, CSA, Korean and Latin American Spec	
38		Ref	Nameplate - Caution Options:	
38	1703538	1	Nameplate - Caution Brazilian Spec	
38	1703188	1	Nameplate - Caution Japanese Spec	
38	Not Required	0	Nameplate - Caution Chinese, CSA, Korean and Latin American Spec	
39		Ref	Nameplate - Caution Options:	
39	1703548	1	Nameplate - Caution Brazilian Spec	
39	1701923	1	Nameplate - Caution Japanese Spec	
39	Not Required	0	Nameplate - Caution Chinese, CSA, Korean and Latin American Spec	
40		Ref	Decal - Footswitch Options:	
40	3252540	1	Decal - Footswitch Brazilian Spec	
40	1703982	1	Decal - Footswitch Chinese Spec	
40	3252347	1	Decal - Footswitch CSA Spec (Part of Footswitch)	
40	3252220	1	Decal - Footswitch Japanese Spec	
40	1703981	1	Decal - Footswitch Korean Spec	
40	3252489	1	Decal - Footswitch Latin American Spec	
44		Ref	Decal - Manual Descent Options:	
44	1703543	1	Decal - Manual Descent Brazilian Spec **(SN 0300068000 through 0300070916)**	
44	1704116	1	Decal - Manual Descent CSA Spec **(SN 0300068000 through 0300070916)**	
44	1703004	1	Decal - Manual Descent Japanese Spec **(SN 0300068000 through 0300070916)**	
44	1702976	1	Decal - Manual Descent Latin American Spec **(SN 0300068000 through 0300070916)**	
45		Ref	Decal - Manual Descent Options:	
45	1703542	1	Decal - Manual Descent Brazilian Spec **(SN 0300068000 through 0300070916)**	
45	1704269	1	Decal - Manual Descent CSA Spec **(SN 0300068000 through 0300070916)**	
45	1703005	1	Decal - Manual Descent Japanese Spec **(SN 0300068000 through 0300070916)**	
45	1702977	1	Decal - Manual Descent Latin American Spec **(SN 0300068000 through 0300070916)**	
46	1702903	1	Decal - Manual Descent #1 **(SN 0300068000 through 0300070916)**	
47	1702904	1	Decal - Manual Descent #2 **(SN 0300068000 through 0300070916)**	
48		Ref	Decal Options: (600SJ & 660SJ Only)	
48	1703541	1	Decal Brazilian Spec (No Hands) **(SN 0300068000 through 0300070916)**	

SECTION 8 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
48	1704270	1	Decal CSA Spec (Manual Descent) **(SN 0300068000 through 0300070916)**	
48	1703006	1	Decal Japanese Spec (No Hands) **(SN 0300068000 through 0300070916)**	
48	1702978		Decal Latin American Spec (No Hands) **(SN 0300068000 through 0300070916)**	
51		Ref	Decal - Capacity Options:	
51	Not Required	0	Decal - Capacity Brazilian Spec and Japanese Spec	
51	1704112	1	Decal - Capacity Chinese Spec - 660SJ	
51	1704107	1	Decal - Capacity CSA Spec (600S)	
51	1702688	1	Decal - Capacity CSA Spec (600SJ & 660SJ) **(SN 0300068000 through 0300073985)**	
51	1704112	1	Decal - Capacity CSA Spec (600SJ & 660SJ) **(SN 0300073986 through 0300087000)**	
51	1704111	1	Decal - Capacity Korean Spec - 600S	
51	1704108	1	Decal - Capacity Latin American Spec	
53	0641406	4	Bolt 1/4in-20NC x 3/4in	
54	0100011	AR	Compound, Locking	
57		Ref	Decal - Tire Load Options:	
57	1703470	4	Decal - Tire Load Brazilian, CSA, Spec and Latin American Spec	
57	1703472	4	Decal - Tire Load Chinese Spec	
57	1703470	4	Decal - Tire Load Korean Spec - 600S	
58	0641414	2	Bolt 1/4in-20NC x 1-3/4in **(SN 0300068000 through 0300076512)**	
63		Ref	Decal - Legend Options:	
63	Not Required	0	Decal - Legend Brazilian, Chinese, Japanese, Korean and Latin American Specs	
63	1703808	1	Decal - Legend CSA Spec	
64	1704885	2	Decal - Website	
		Ref	**DECAL INSTALLATION (OPTIONAL PARTS)**	
101		Ref	Decal - Fuel Options:	
101	1701505	1	Decal - Diesel	
101	1701542	1	Decal - Gas	
102	1701543	1	Decal - LP Gas (Dual Fuel Machines Only)	
103		Ref	Decal - Liquid withdrawal System Options: (Dual Fuel Machines Only)	
103	Not Required	0	Decal - Brazilian Spec and Japanese Spec	
103	1700818	2	Decal - Chinese and Korean Spec	
103	1704271	2	Decal - CSA Spec	
103	1702720	2	Decal - Latin American Spec	
104		Ref	Nameplate - Steer/Tow Selection (Machines with Tow Package Only)	
104	Not Required	0	Nameplate - Brazilian, Chinese, Japanese, Korean and Latin American Spec	
104	1704272	1	Nameplate - CSA Spec	
105		Ref	Decal - Tow Instructions Options: (Machines with Tow Package Only)	
105	Not Required	0	Decal - Brazilian, Chinese, Japanese, Korean and Latin American Spec	
105	1704273	1	Decal - CSA Spec 2WD	
105	1704276	1	CSA Spec 4WD	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-1. MODEL 600S/600SJ/660SJ STANDARD PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	**Note: 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.**	
		Ref	**STANDARD PARTS**	
	2120150	4	Element Filter	
	7020020	1	Switch, Indicator	
	7012944	1	Coil	
	7012772	1	Coil	
	2120149	1	Element, Filter	
	7020021	1	Switch, Indicator	
	70000582	1	Coil	
	7012664	1 doz	Element, Air Cleaner	
	3740067	1	Relay	
	4360392	1	Switch, Indicator	
	7024444	1	Breather, Hydraulic Tank	
	4360328	1	Switch, Toggle	
	4360469	1	Switch, Key	
	2860030	1	Key, Replacement	
	4360475	1	Switch, Mushroom	
	3740049	1	Relay	
	2940074	1	Latch	
	4360331	1	Switch, Toggle	
	4360407	1	Controller, Speed	
	4360387	1	Switch, Push Button	
	1001129555	1	Controller (Lift and Swing)	
	1001212415	1	Controller (Drive and Steer)	
	2400065	2	Fuse, 30Amp	
	3990010	2	Diode	

FIGURE 9-2. MODEL 600S/600SJ/660SJ VARIABLE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	**Note: 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.**	
		Ref	**VARIABLE PARTS**	
	7026830	1 doz	Filter, Fuel (Caterpillar Engine Machines)	
	7026811	1 doz	Filter, Oil (Caterpillar Engine Machines)	
	7016328	1 doz	Filter, Fuel (Deutz Engine Machines)	
	7016331	1 doz	Filter, Oil (Deutz Engine Machines)	
	91083218	1 doz	Filter, Fuel (Ford Engine Machines)	
	7021868	1 doz	Filter, Oil (Ford Engine Machines)	
	1600364	1	Module - ADE (Ground Control) (Caterpillar and Ford Engine)	
	1600411	1	Module - ADE (Ground Control) (Deutz Engine)	
	4360578	1	Switch, Limit	
	3740080	1	Relay (Machines with Generator)	
	4360336	1	Switch, Toggle (Machines with Generator)	
	70002005	1	Powertrack Repair Section (600S) (Gortrac Brand)	
	70002007	1	Powertrack Repair Section (660SJ) (Gortrac Brand)	
	7016530	2	Power Track - Repair Section (Gemco Brand)	
	7006138	24	Power Track - Pin Kit (Gemco Brand)	
	4360336	1	Switch, Toggle (Machines with Dual Fuel)	
	4360336	1	Switch, Toggle (Machines with Headlights)	
	4360232	1	Breaker, Circuit (Machines with Worklights)	
	1600375	1	Module - ADE (Platform Control)	

SECTION 10 - SPECIAL OPTIONS

SECTION 10 - SPECIAL OPTIONS

FIGURE 10-1. SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	**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.**	
		Ref	**MISCELLANEOUS SPECIAL OPTIONS**	
		Ref	**Airline to Platform Installation Options:**	
	0255388	Ref	Installation 1/2in 600S & 600SJ	
	0255389	Ref	Installation 1/2in 660SJ	
	0255400	Ref	**Alternator Installation - Enclosed**	
	0274219	Ref	**Battery Disconnect Switch**	
	0270723	Ref	**Beacon Light Installation (On Platform)**	
	0256273	Ref	**Boom Wipers Installation (Brush Type)**	
	0273834	Ref	**Cable Installation - 600S (Fog Cannon)**	
	0256789	Ref	**Camera Mount Assembly**	
		Ref	**ClearSky Telematics Kit (Dealer Installed)**	
	1001102841	Ref	**ANSI Spec**	
	1001102842	Ref	**ANSI Export/CE/Japanese Specs**	
	1001139132	Ref	**Australian Spec**	
	1001104985	Ref	**CSA Spec**	
		Ref	**Note: Refer to ClearSky (Telematics) Manual p/n 3128499 for Service Parts.**	
		Ref	**Cold Weather Package Installation Options:**	
	0273575	Ref	Cold Weather Package Installation, Caterpillar Engine	
	0256060	Ref	Cold Weather Package Installation, Deutz	
	0271548	Ref	Cold Weather Package Installation, Deutz (With Glow/Plugs)	
	0255386	Ref	Cold Weather Package Installation, Ford	
		Ref	**Container - Tray Storage Options:**	
	1580012	1	Container - Tray Storage, Center	
	1580013	1	Container - Tray Storage, Rail	
		Ref	**Decal Options:**	
	1702788	1	Decal - Biodegradable Hydraulic Fluid Decal	
	1704174	1	Decal - Biodegradable (Synthetic) Hydraulic Fluid Decal	
	0253550	Ref	Decal - CSA Decal Installation	
	0274455	Ref	Decal - FedEx Decal Installation	
	0257195	Ref	Decal - Government Warranty Decal Installation	
	0273246	Ref	Decal - Hertz Decals Installation	
	0274528	Ref	Decal - Head and Engquist Equipment L.L.C (H and E)	
	0256957	Ref	Decal - Lanyard Attach Decal Installation (GM K-1 Spec)	
	0274243	Ref	Decal - National Equipment Services (NES) Decals Installation	
	0270465	Ref	Decal - Nations Rent Decals Installation	
	1702868	Ref	Decal - No Hands Decal (Platform with Mesh to Top Rail)	
	1704000	Ref	Decal - No Hands Decal - CSA (Platform with Mesh to Top Rail)	
	0256487	Ref	Decal - Prop 65 Warning Decal Installation (Diesel Machines) (California Spec)	
	0256488	Ref	Decal - Prop 65 Warning Decal Installation (Gasoline Machines) (California Spec)	
	0271107	Ref	Decal - Sunbelt	
	0271893	Ref	Decal - United Rentals	
		Ref	**Decal Kits**	
	2900967	Ref	Decal Kit - Complete (600S)	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2900970	Ref	Decal Kit - Complete (660SJ)	
	2900937	Ref	Decal Kit - Country Spec (Brazil and Japanese Spec) (600S)	
	2910045	Ref	Decal Kit - Country Spec (Brazil Spec) (600SJ & 660SJ)	
	1001193633	Ref	Decal Kit - Machine	
	1001108718	Ref	Decal Kit - Platform	
	1001119562	Ref	Decal Kit - Platform Console Box	
	2902394	Ref	**Drive/Steer Cutout Kit**	
		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	
	0274196	Ref	**Engine Installations - UL**	
		Ref	**Engine Block Heater Installations:**	
	2580055	Ref	**Caterpillar Engine Machines**	
	0274227	Ref	**Deutz Engine Machines**	
	0258696	Ref	**Ford Engine Machines**	
	0257157	Ref	**Ether Start Installation (Deutz Engine Machines)**	
		Ref	**Filter Kits:**	
		Ref	Combined Filter Kit (Hydraulic/Air and Fuel/Engine Oil)	
		Ref	Caterpillar Engines	
	2915137	NLA	Caterpillar Engines (Use p/n 1001110994) **(SN 0300068000 through 0300084826)**	
	1001114031	NLA	Caterpillar Engines (Use p/n 1001110994) **(SN 0300068000 through 0300084826)**	
	1001110994	Ref	Caterpillar Engines	
	1001114123	NLA	Caterpillar Engines (Use p/n 1001110991) **(SN 0300084827 through 0300087000)**	
	1001114124	NLA	Caterpillar Engines (Use p/n 1001110991) **(SN 0300084827 through 0300087000)**	
	1001110991	1	Caterpillar Engines	
		Ref	Deutz Engines	
	2910463	NLA	Deutz Engines (Use p/n 1001110993) **(SN 0300068000 through 0300084826)**	
	1001110993	1	Deutz Engines	
	1001114036	NLA	Deutz Engines (Use p/n 1001110990) **(SN 0300084827 through 0300087000)**	
	1001110990	1	Deutz Engines	
		Ref	Ford Engines	
	1001114041	NLA	Ford LRG-425 (Use p/n 1001114042) **(SN 0300068000 through 0300084827)**	
	2910460	NLA	Ford LRG-425 with EFI (Use p/n 1001114039) **(SN 0300068000 through 0300084827)**	
		Ref	Hydraulic/Air Filter	
	2910924	NLA	Caterpillar, Deutz and Ford - 300 Hour (Use p/n 1001109692) **(SN 0300068000 through 0300084826)**	
	1001109692	1	Caterpillar, Deutz and Ford - 300 Hour	
	1001114132	NLA	Deutz Engines - 300 Hour (Use p/n 1001109684) **(SN 0300084827 through 0300087000)**	
	1001109684	1	Deutz Engines - 300 Hour	
	1001110133	1	Fuel/Engine Oil Filter (Deutz Engines Only)	
	4060959	Ref	**Footswitch Shield (Note: Move Decal to Shield)**	
	1120362	Ref	**Fuel Cap with Gauge**	

SECTION 10 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	**Glow Plugs Installation (Deutz Engine Machines) Options:**	
	0271333	Ref	**Glow Plugs Installation (Deutz Engine Machines) (SN 0300068000 through 0300082631)**	
	0271912	Ref	**Glow Plugs Installation (Deutz Engine Machines) (SN 0300082632 through 0300087000)**	
	2901691	Ref	**Glow Plugs in Intake Kit (Deutz Engine Machines)**	
	0861675	Ref	**Ground Control Box Assembly (UL Machines)**	
		Ref	**Hood (Steel) Replacement Kit**	
	1001126287	Ref	**Caterpillar Engine Machines**	
	1001126286	Ref	**Deutz Engine Machines**	
	See Note	Ref	**Ford Engines Machines (Note: Not Available for Purchase)**	
	1001187494	Ref	**Hose Kit (SN 0300068000 through 0300075605)**	
	1001187495	Ref	**Hose Kit (SN 0300075606 through 0300087000)**	
		Ref	**Hostile Environment Add-On Kits**	
	1001204925	Ref	**Hostile Environment Add-On Kit (600S)**	
	1001204926	Ref	**Hostile Environment Add-On Kit (660SJ)**	
		Ref	**Hydraulic Fluids Options:**	
	2300014	Ref	Hydraulic Fluids, Mobil 424	
	2300027	Ref	Hydraulic Fluids, Mobil 224H Bio	
	2300029	Ref	Hydraulic Fluids, Mobil EAL ISO 46 Bio	
	2300016	Ref	Hydraulic Fluids, Mobil DTE 13M	
	2300019	Ref	Hydraulic Fluids, Quaker State Quintolubric 888-46 Fire Res.	
	0255439	Ref	**Intercom Communication System Installation**	
		Ref	**Loop Flushing Installations**	
	0273741	Ref	**Loop Flushing Installations 2WD**	
	0273738	Ref	**Loop Flushing Installations 4WD**	
	1001147699	Ref	**Manual Storage Box Relocation Kit**	
		Ref	**Oil Cooler Installations**	
	0256762	Ref	Deutz Engine Machines	
	1282665	Ref	Deutz Engine Machines	
	0272041	Ref	Ford Engine Machines	
	1283309	Ref	Ford Engine Machines	
		Ref	**Oxy-Acetylene Lines to Platform Installation Options:**	
	0255390	Ref	**Oxy-Acetylene Lines to Platform Installation 600S & 600SJ**	
	0255391	Ref	**Oxy-Acetylene Lines to Platform Installation 660SJ**	
	0257728	Ref	**Pipe Jack Installation**	
	0258703	Ref	**Platform Console Cover Installation**	
	1001205175	Ref	**Platform Console Cover Add-On Kit**	
		Ref	**Platform Entry Kit**	
	1001142504	Ref	**Kit, Replace Swing Gate with Drop Bar**	
	1001142505	Ref	**Kit, Replace Drop Bar with Swing Gate**	
		Ref	**Platform Huck Fasteners Replacement Hardware**	
	0641416	AR	Bolt 1/4in-20NC x 2in	
	3311405	AR	Locknut 1/4in-20NC	
	4711400	AR	Flatwasher 1/4in	
	3300151	AR	Acorn Nut 1/4in-20NC	
		Ref	**Platform Mesh to Top Rail Installation (Side-Entry)**	
	0273147	Ref	**30in x 48in Platform**	
	0273146	Ref	**30in x 60in Platform**	
	0273148	Ref	**30in x 72in Platform**	
	0273149	Ref	**36in x 72in Platform**	
	0273145	Ref	**36in x 96in Platform**	

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1001149730	Ref	**Platform Mid Rail Repair Kit**	
		Ref	**Platform Top Rail Extension (With Side Entry)**	
	0272733	Ref	**3ft x 6ft Platforms**	
	0272725	Ref	**3ft x 8ft Platforms**	
	2910073	Ref	**Power Track Hose and Clamp Kit**	
	1320247	1	Clamp, Nylon	
	0641522	1	Bolt 5/16in-18NC x 2-3/4in	
	3311505	1	Locknut 5/16in-18NC	
	4711500	2	Flatwasher 5/16in	
	2753084	1	Hose	
	0861586	Ref	**Remote Control Box**	
	0861653	Ref	**Remote Control Box (600S Only)**	
	4240151	1	Strap Assembly	
	4923045	1	Harness Remote Control Cable	
	0861681	Ref	**Remote Control Box - Tethered (600S Only)**	
		Ref	**Note: For Breakdown of Remote Control Box Refer to Manual p/n 3128930**	
	2902300	Ref	**Remote Oil Filter Kit - Required on Caterpillar Engine to Allow Sky Power 7500 Watt Generator to Fit (SN 0300068000 through 0300078183)**	
	3574696	1	Bracket, Mounting Remote Filter	
		Ref	**SkyGuard Component Options:**	
	1001149560	Ref	SkyGuard Complete Add-On Kit (Non-UGM Machines)	
	1001137672	Ref	SkyGuard Platform Sensor Kit	
	1001137440	1	SkyGuard Sensor Harness	
	1001186431	2	Relay	
	1001143256	Ref	SkyGuard Blue Beacon Kit	
	0272302	Ref	**Tire Sealant Installation**	
	0272312	Ref	**Tire Sealant Decal Installation**	
	2902203	1	Kit, Tire Sealant Decal	
		Ref	**Tools for Service**	
	7002840	1	Antirotation Pin Removal Tool	
	8896941	1	Wire Stripper	
	7002821	1	Wire Crimper (To install wire ends to wires)	
	7002823	1	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	
	4460467	1	Extractor - 16-18 Gauge (For Removal of 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 Faster (For Small Huck Bolts Only)	
		Ref	**Tool (Hydraulic) Installations Options:**	
	0272347	Ref	Tool (Hydraulic) Installations 600S	
	0272348	Ref	Tool (Hydraulic) Installations 600SJ	
	0272349	Ref	Tool (Hydraulic) Installations 660SJ	
	0258918	Ref	**Utility Rack Installation**	

PART NUMBER INDEX

PART NUMBER INDEX

0060031.....194, 203
0060034.....203
0060066.....194, 207
0060067.....189, 207
0060075.....189, 203
0080163.....94, 101
0080181.....84
0080201.....107, 117
0080214.....106, 117
0080220.....283
0080241.....148
0080243.....84
0100009.....224
0100011....13, 14, 17, 21, 22, 25, 29, 31, 33, 51, 54, 61, 67, 75, 84, 86, 92, 93, 98, 99, 105, 107, 110, 116, 117, 133, 137, 139, 143, 148, 155, 158, 162, 166, 169, 173, 179, 190, 195, 196, 199, 209, 217, 225, 243, 247, 250, 253, 255, 257, 267, 271, 273, 277, 279, 283, 287, 291, 301, 320, 324, 348, 354
0100019 13, 75, 155, 169, 174, 179, 183, 190, 195
0100020....84, 86, 92, 98, 99, 102, 105, 107, 116, 117, 133, 134, 183, 186, 224, 225, 323
0100035.....147, 223
0100038 17, 25, 267, 271, 273, 277, 279, 283, 287, 291, 301, 320, 324
0100040.....217
0100048....108, 116, 143, 147, 148, 224, 334
0100062.....133, 175
0100063.....14, 283, 287
0100079.....133
0100081.....225, 247
0140001.....67
0140011.....223
0140032.....147
0181727..84, 91, 98, 106, 116
0181949.....134
0200048.....243
0200547.....166
0200742.....158, 162
0200819.....158
0239585.....75
0253550.....360
0254798.....75
0254849.....133
0254856.....51
0254857.....51
0255262.....137
0255294.....137
0255315.....65
0255316.....75
0255329.....347
0255330..... 351
0255331..... 347
0255332..... 351
0255333..... 347
0255334..... 351
0255335..... 147
0255353..... 303
0255354..... 303
0255355..... 303
0255356..... 303
0255363..... 57
0255386..... 360
0255388..... 183, 360
0255389..... 183, 360
0255390..... 362
0255391..... 362
0255400..... 360
0255439..... 362
0255445..... 65
0255446..... 65
0255447..... 65
0255524..... 134
0255698..... 147
0255881..... 151
0255917..... 148, 340
0255929..... 303
0255930..... 303
0256060..... 360
0256113..... 341
0256122..... 155
0256212..... 283
0256258..... 351
0256273..... 360
0256318..... 189
0256394..... 13
0256487..... 360
0256488..... 360
0256575..... 351
0256621..... 13
0256631..... 225
0256663..... 351
0256672..... 351
0256673..... 351
0256689..... 93, 99
0256690..... 93, 99
0256762.... 326, 330, 362
0256789..... 360
0256823..... 155
0256830..... 154
0256847..... 94, 101
0256936..... 196
0256939..... 196
0256957..... 360
0257157..... 361
0257175..... 341
0257195..... 360
0257493..... 351
0257494..... 351
0257705..... 133
0257728..... 261, 362
0257732..... 13
0257744..... 29
0257887..... 147, 340
0258390..... 110
0258391..... 110
0258568..... 93
0258570..... 110
0258578..... 154
0258607..... 133
0258696..... 361
0258703..... 362
0258886..... 57
0258918..... 363
0259328..... 351
0259329..... 351
0259330..... 351
0259424..... 57
0259425..... 57
0270120..... 33, 51
0270121..... 33, 51
0270329..... 75
0270465..... 360
0270528..... 61
0270723..... 360
0270733..... 334
0270734..... 334
0270736..... 196, 335
0270738..... 196, 334
0270763..... 91
0270764.... 106, 113, 225
0270765..... 105
0270766..... 106
0270767..... 105
0270804..... 209
0270805..... 147, 331
0270814... 214, 218, 226, 330
0270833..... 147
0270868..... 22, 29
0271003..... 21
0271004..... 21
0271005..... 29
0271014..... 347
0271107..... 360
0271250..... 133
0271319..... 194
0271320..... 194
0271333..... 362
0271372..... 209
0271545..... 165, 226
0271546..... 165, 226
0271548..... 360
0271552..... 148, 225
0271614..... 34
0271615..... 34
0271616..... 34
0271617..... 34
0271618..... 34
0271619..... 34
0271893..... 360
0271912..... 362
0271940..... 214, 217
0272041.... 326, 330, 362
0272049..... 106, 113
0272070..... 190, 196
0272133..... 189
0272137..... 194
0272139..... 194
0272254..... 255
0272255..... 173
0272297..... 34
0272298..... 214, 217
0272302.....363
0272312.....363
0272317.....34
0272318.....34
0272341.....348
0272347.....363
0272348.....363
0272349.....363
0272387.....247
0272391.....247
0272395.....247
0272418.....247
0272427.....226, 243
0272435.....176, 181
0272448.....250, 255
0272480.....161, 226
0272481.....161, 226
0272483.....334
0272484.....334
0272485.....335
0272486.....335
0272487.....334
0272488.....334
0272492.....173
0272507.....148, 340
0272521.....253
0272588.....253
0272589.....176
0272590.....257
0272599.....250, 257
0272606.....257
0272607.....257
0272640.....173
0272725.....363
0272733.....363
0272796.....84
0272817.....179
0272896.....105
0272948.....247
0272951.....247
0272955.....247
0272970.....217, 225
0272992.....34
0272993.....34
0273001.....34
0273048.....33, 53
0273049.....33, 53
0273052.....139
0273067.....54
0273072.....91
0273080.....25, 31
0273081.....17, 25
0273082.....65
0273086.....65
0273087.....65
0273088.....65
0273145.....362
0273146.....362
0273147.....362
0273148.....362
0273149.....362
0273150.....17
0273161.....139
0273224.....105
0273225.....106
0273226.....17, 25

0273238 34
0273239 34
0273240 34
0273242 34
0273243 34
0273244 34
0273246 360
0273353 250
0273356 31
0273357 31
0273362 54
0273366 ..... 33, 53
0273367 ..... 33, 53
0273369 189
0273379 ..... 17, 25
0273394 ..... 25, 61
0273398 61
0273422 ..... 17, 61
0273448 61
0273450 183
0273486 ... 214, 218, 226, 330
0273490 ... 214, 218, 226, 330
0273491 ... 214, 218, 226, 330
0273507 169
0273511 169
0273518 157
0273521 85
0273536 351
0273537 351
0273538 157
0273539 157
0273540 173
0273541 173
0273542 245
0273575 360
0273592 105
0273593 91
0273594 85
0273595 85
0273597 106
0273687 183
0273692 98
0273693 98
0273706 243
0273738 362
0273741 362
0273824 ..... 226, 243
0273834 360
0274018 ..... 113, 116
0274019 ..... 113, 116
0274081 157
0274082 161
0274086 161
0274087 157
0274090 157
0274152 34
0274196 361
0274209 218
0274210 ..... 148, 225
0274219 360
0274227 361
0274233 102
0274243 360
0274297 98
0274298 98
0274316 65
0274317 65
0274318 65
0274319 65
0274322 34
0274455 360
0274489 116
0274490 116
0274491 84
0274492 85
0274493 85
0274528 360
0340041 . 84, 91, 99, 107, 117
0340046 84, 93, 110, 117
0362519 ..... 57, 58, 134
0362528 147
0362910 61
0363012 53
0363082 169
0363097 ..... 169, 179
0363201 179
0363202 179
0400075 . 84, 91, 98, 106, 116
0440170 ..... 14, 17
0440171 ..... 14, 17
0440207 75
0460150 303
0460151 303
0460152 303
0460153 303
0460158 303
0460160 303
0460161 303
0480050 166
0480100 261
0480111 ..... 162, 166
0480119 162
0480120 158
0480121 ..... 158, 162
0480125 174
0480126 174
0480129 174
0480130 179
0480134 166
0480135 169
0561076 200
0561138 14
0561139 14
0561183 200
0561184 200
0561185 200
0561237 196
0630078 14
0630458 .... 190, 195, 209
0630462 243
0630464 223
0630490 18
0630491 148
0630498 . 84, 91, 98, 106, 116
0630507 154
0630518 .... 143, 253, 255
0630534 ... 271, 273, 287, 291
0630535 .... 267, 277, 279, 291, 297, 301
0630536 283
0630548 144
0630568 225
0641403 ..... 147, 174, 200
0641404 ..... 174, 210, 224
0641405 ..... 169, 174, 179
0641406 ..... 84, 107, 116, 117, 147, 155, 183, 185, 214, 217, 250, 257, 348, 354
0641407 .... 84, 86, 92, 99, 117
0641408 .... 107, 116, 117, 174, 214, 217, 223, 283, 347, 352
0641410 ..... 98, 108, 116
0641412 133
0641414 13, 21, 108, 117, 214, 218, 224, 243, 348, 354
0641416 ..... 196, 224, 362
0641418 67
0641424 108
0641505 ..... 57, 173, 179
0641506 ..... 66, 143, 155, 183, 185
0641507 ... 84, 86, 93, 117
0641508 .. 67, 92, 98, 108, 110, 116, 133, 158, 162, 166, 169, 173
0641510 ..... 92, 99
0641512 155
0641514 .... 66, 87, 92, 98, 108, 116, 261
0641516 ..... 61, 173, 179, 245
0641518 218
0641520 51
0641522 ..... 51, 209, 363
0641524 214
0641532 53
0641552 53
0641604 ..... 190, 195
0641605 200
0641606 .. 86, 92, 99, 106, 116, 118, 134, 196, 200, 250, 253, 255, 257
0641607 ..... 54, 200
0641608 .... 13, 14, 17, 21, 22, 25, 29, 31, 51, 57, 61, 67, 84, 86, 100, 107, 116, 117, 133, 134, 154, 179, 190, 195, 199, 200, 209
0641609 ..... 84, 151, 155
0641610 .... 84, 87, 91, 98, 99, 100, 102, 107, 117, 158, 162, 185, 200, 214, 217, 223
0641611 .... 137, 169, 179, 195
0641612 .... 13, 17, 22, 29, 117, 139, 169, 179
0641613 ..... 66, 200
0641614 ..... 133, 195, 201
0641616 185
0641618 ..... 53, 175, 195, 200
0641634 200
0641638 200
0641640 200
0641648 209
0641708 179
0641718 169
0641772 .... 158, 162, 166
0641807 209
0641808 ... 84, 87, 92, 98, 107, 108, 116, 174
0641810 ... 169, 179, 183, 190, 195
0641811 139
0641812 . 87, 92, 99, 105, 117, 190, 196
0641813 245
0641814 .... 13, 17, 21, 25
0641818 ..... 91, 99, 151
0641820 ... 137, 139, 190, 195
0641824 200
0641826 ..... 91, 99
0641828 ..... 84, 106, 117
0642010 ... 61, 86, 93, 98, 107, 116
0642012 ... 13, 17, 21, 25, 31, 190, 195
0642018 75
0642214 247
0642612 ..... 148, 209
0642684 ..... 190, 196
0651406 67
0681608 .... 190, 196, 201
0681610 . 14, 22, 29, 190, 195, 200
0681612 200
0681810 33
0681814 221
0681822 221
0681836 75
0682012 14
0682014 ..... 14, 155
0682016 ..... 33, 75
0700808 ..... 84, 92, 99
0700810 ..... 94, 101, 105
0700812 93
0700815 174
0700816 158
0700819 ..... 107, 118
0701010 84
0701012 . 84, 93, 99, 107, 117
0701014 ..... 99, 105, 117
0701015 . 84, 93, 99, 166, 169, 179
0701016 179
0701022 105
0701210 158
0701214 84
0701414 ..... 84, 92, 99
0721003 ..... 14, 17, 226
0721004 61
0721005 243

PART NUMBER INDEX

0721006.....85, 105, 155, 158, 162, 166
0721008.....225
0721014.....105
0741606.....148, 169, 179
0741607.....61, 190, 195
0741612.....200
0741808.....169, 179
0760606.....117
0801009.....189, 199
0801010.....194, 199
0801011.....199
0801012.....199
0801014.....199
0801035.....194, 199
0801036.....199
0801037.....199
0801038.....199
0801065.....199
0801372.....199
0801373.....199
0801381.....189, 199
0801388.....194, 199
0801389.....194, 199
0860038.....173, 179, 341
0860520.....347, 352
0861389.....143
0861414.....223, 225
0861478.....143
0861479.....143
0861480.....143
0861481.....143
0861511.....223
0861537.....223, 225
0861538.....175, 179
0861541.....175, 180
0861542.....173, 175, 179, 180
0861567.....173, 175
0861572.....175
0861586.....363
0861619.....143
0861620.....143
0861642.....183
0861653.....363
0861675.....362
0861681.....363
0861685.....143
0861686.....143
0861694.....143
0861696.....143
0861697.....143
0902143.....154
0902161.....154
0902206.....148
0902219.....155
0902223.....154
0902309.....110
0902317.....183
0902351.....154
0902384.....155
0902416.....154
0902472.....93, 110
0902491.....154
0902520.....137
0902539.....105, 119
0902572.....108
0902751..... 224
0902756..... 165
0902888..... 174, 180
0902910..... 88
0902952..... 169
0903010..... 119
0903056..... 139
0903079..... 117
0903220..... 88
0920117..... 33
0920119..... 75
0940070. 84, 91, 99, 107, 118
0940071..... 154
0940088..... 155
0940092..... 243, 245
0940094..... 243, 245
0940102..... 247
0940103..... 243
0940131..... 245
0940133..... 243
0940134..... 243
0961893... 271, 273, 287, 291
0961894.... 277, 279, 291
0961895..... 267
0961897..... 301
0961898..... 283
0961947... 195, 271, 273, 275, 291, 295
0961950... 13, 17, 21, 25, 190, 195, 199, 283
0961951... 190, 195, 199, 277, 279, 281, 291, 297
0961977... 14, 17, 22, 25, 29, 31, 299
0961986. 84, 92, 99, 107, 117
0962006..... 190, 195
0962036..... 14
0962051..... 151
0962131... 17, 22, 25, 29, 31
0962270..... 221
0962292..... 61
0962335..... 196
0962336..... 287
0962348..... 61
0962496..... 267
0962520..... 175, 179
0962521..... 179
0962563..... 158
0962653..... 158
1001097554..... 87
1001098503..... 54
1001099832..... 209
1001099839..... 209
1001100120..... 53
1001100321..... 157, 161, 165, 169
1001102841..... 360
1001102842..... 360
1001104985..... 360
1001108718..... 361
1001109684..... 361
1001109692..... 361
1001110133..... 361
1001110169..... 75, 79
1001110990..... 361
1001110991..... 361
1001110993..... 361
1001110994..... 361
1001112468..... 189, 194, 283
1001113961..... 237, 239
1001114031..... 361
1001114036..... 361
1001114041..... 361
1001114123..... 361
1001114124..... 361
1001114132..... 361
1001117320..... 218, 225
1001118416..... 239
1001118417..... 231
1001119562..... 361
1001121592..... 243
1001121593..... 243
1001126286..... 362
1001126287..... 362
1001129555..... 356
1001137440..... 363
1001137672..... 363
1001138796..... 297
1001139132..... 360
1001142504..... 362
1001142505..... 362
1001143256..... 363
1001144629..... 217
1001147699..... 362
1001148902..... 361
1001148903..... 361
1001148904..... 361
1001148905..... 361
1001148906..... 361
1001149560..... 363
1001149730..... 363
1001163296..... 247
1001163297..... 247
1001166538..... 241
1001166539..... 233
1001186431..... 363
1001187494..... 362
1001187495..... 362
1001193633..... 361
1001204925..... 362
1001204926..... 362
1001205175..... 362
1001212415..... 356
1001223331..... 194, 279
1001223332..... 279
1001223511..... 273
1001223512..... 189, 273
1001228002..... 189, 295
1001228008..... 189, 275
1001228012..... 195, 289
1001228051..... 194, 281
1001228052..... 194, 297
1060279..... 347, 352
1060341..... 243, 342
1060343..... 175, 180
1060379..... 261
1060461..... 335
1060494... 175, 180, 335, 341, 342
1060584.....61
1060617.....283
1060637..84, 93, 98, 108, 116
1060680.....336
1060708.....175, 180
1060896.....335
1060903.....243
1060904.....86
1060918....218, 224, 225, 334
1060945.....335
1060977.....342
1061026.....336
1061027.....336
1100086.....13, 21
1120304.....14, 17
1120362.....361
1120484.....133
1120487.....133
1120552.....34, 35
1120555.....247
1180345.....209
1180359.....209
1220078.....199
1260017.....75
1282380.....326
1282665.....326, 330, 362
1282828.....330
1282937.....330
1283235.....331
1283309.....326, 330, 362
1283363.....326
1300019.....34, 35
1320012.....84, 106, 117
1320016..84, 91, 99, 107, 117
1320019.....105
1320022....84, 87, 92, 98, 99, 102, 105, 106, 116, 117
1320032.....108
1320033.....117
1320041.....179
1320044.....183
1320060.....106
1320070.....283
1320127.....134
1320176.....93, 100
1320177.....250, 257
1320218.....134
1320220.....134
1320222.....117
1320223..86, 92, 99, 107, 118
1320224.....174, 179
1320235.....190, 195
1320245.....133
1320247.....209, 363
1320302....250, 253, 255, 257
1321138.....117
1340060..84, 91, 99, 107, 118
1380147.....151
1580011.....84, 106, 119
1580012.....218, 360

1580013 ..... 218, 360
1600313 223
1600314 ..... 106, 109
1600317 ..... 224, 229
1600318 ..... 224, 237
1600327 143
1600361 ..... 87, 88
1600363 109
1600364 ..... 143, 358
1600374 119
1600375 ..... 223, 358
1600411 ..... 143, 358
1660219 137
1660219RR 137
1660223 137
1660223RR 137
1660234 ..... 94, 101
1660239 84
1660250 ..... 109, 119
1660257 139
1660258 139
1660303 139
1660304 139
1670769 196
1670771 155
1670779 155
1670818 147
1670824 147
1670829 ..... 143, 223
1670836 201
1671037 224
1671055 ..... 190, 195
1671092 ..... 176, 181
1671093 ..... 250, 255
1683053 ... 271, 273, 287, 291
1683055 .... 277, 279, 291
1683057 301
1683059 267
1683067 283
1683078 ..... 13, 21, 267
1683208 ... 14, 17, 22, 25, 29, 31, 299
1683250 301
1683258 ..... 195, 287
1683263 ..... 194, 291
1683266 ..... 189, 291
1683275 .... 189, 194, 283
1683359 301
1683415 ..... 189, 271
1683418 ..... 194, 277
1683609 ..... 195, 287
1683618 ..... 199, 301
1683619 301
1683620 ..... 199, 301
1683621 301
1683666 .... 189, 194, 283
1683949 291
1683952 277
1683954 283
1683955 283
1683962 291
1683963 ..... 277, 279
1683972 291
1683973 291
1683976 ..... 271, 273
1683977 271
1683986 267
1684090 287
1684092 287
1684191 267
1684280 ..... 17, 25, 269
1684289 269
1684290 269
1700584 ..... 347, 352
1700818 ..... 348, 354
1701499 ..... 347, 352
1701500 .... 155, 347, 352
1701502 ..... 347, 351
1701503 ..... 347, 351
1701504 ..... 347, 351
1701505 . 87, 93, 98, 348, 354
1701509 .... 247, 347, 351
1701518 351
1701529 ..... 347, 352
1701542 .... 116, 348, 354
1701543 .... 116, 348, 354
1701645 347
1701923 353
1701924 353
1702137 35
1702153 347
1702300 ..... 347, 352
1702305 348
1702387 225
1702552 352
1702564 224
1702565 224
1702566 224
1702567 224
1702573 352
1702581 352
1702583 351
1702585 351
1702590 170
1702610 143
1702676 .... 214, 218, 224
1702688 ..... 348, 354
1702701 ..... 34, 35
1702720 354
1702773 .... 221, 347, 352
1702774 ..... 347, 352
1702784 ..... 347, 352
1702788 360
1702815 ..... 347, 351
1702816 ..... 347, 352
1702817 ..... 347, 352
1702861 ..... 347, 352
1702862 ..... 347, 352
1702868 ... 250, 255, 257, 347, 360
1702901 347
1702902 347
1702903 ..... 347, 353
1702904 ..... 347, 353
1702908 348
1702938 ..... 226, 243
1702966 348
1702968 57
1702971 351
1702972 352
1702973 352
1702974 353
1702975 352
1702976 353
1702977 353
1702978 354
1703004 353
1703005 353
1703006 354
1703162 .. 84, 91, 99, 106, 118
1703188 353
1703403 ..... 58, 348
1703404 58
1703444 58
1703450 58
1703453 351
1703465 143
1703466 143
1703470 ..... 348, 354
1703472 354
1703533 ..... 320, 324
1703536 353
1703538 353
1703541 353
1703542 353
1703543 353
1703548 353
1703683 261
1703797 347
1703798 347
1703804 347
1703805 347
1703808 ..... 348, 354
1703899 352
1703924 352
1703925 352
1703927 352
1703930 351
1703931 351
1703933 351
1703936 351
1703937 351
1703939 351
1703948 351
1703949 351
1703951 351
1703981 353
1703982 353
1703996 353
1704000 ..... 352, 360
1704006 352
1704096 347
1704099 353
1704100 353
1704103 353
1704107 354
1704108 354
1704111 354
1704112 354
1704116 353
1704174 360
1704260 223
1704269 353
1704270 354
1704271 354
1704272 ..... 57, 61, 354
1704273 ..... 57, 354
1704274 58
1704276 ..... 58, 354
1704277 ..... 347, 352
1704578 61
1704885 ..... 348, 354
1704997 224
1705014 221
1705090 61
1705132 ..... 144, 224
1705305 ... 250, 253, 255, 257
1705312 247
1705325 159
1705355 .... 250, 253, 255
1705358 247
1705363 348
1705364 ..... 34, 35
1705374 ..... 176, 181
1705375 ... 176, 181, 250, 255
1705376 ..... 175, 180
1705387 ..... 176, 181
1705460 ..... 176, 181
1705461 176
1705466 ... 250, 253, 255, 257
1705489 176
1705490 ..... 250, 257
1705753 143
1705820 61
1705836 183
1705837 183
1705886 183
1706385 221
1870132 331
1870191 331
2000172 ..... 105, 108
2000174 .... 105, 108, 113
2000189 ..... 91, 94
2000193 .... 105, 108, 113
2000194 ..... 84, 87
2000211 117
2000216 ..... 99, 101
2000219 99
2000220 98
2000221 99
2000257 117
2000258 117
2000272 ..... 118, 119
2000274 ..... 100, 101
2000279 99
2000280 99
2000281 99
2000296 117
2000297 117
2000298 117
2030010 ... 250, 253, 255, 257
2060025 84, 91, 100, 106, 118
2080040 .... 183, 214, 217
2080044 195
2080046 183
2120145 67
2120146 66
2120149 ..... 67, 356
2120150 ..... 66, 356
2120164 67

PART NUMBER INDEX

2120203.....102
2120209.....66
2120210.....66
2160003.....75
2180125.....134
2180344.....75
2180348.....98
2180380.....320, 324
2180387.....134
2180388.....134
2180389.....134
2180418.....113, 134
2180467.....107, 108, 118
2180536.....86, 92
2180724.....320, 324
2180798 84, 91, 100, 107, 118
2180832.....250, 257
2200222.....77, 134
2200233.....133
2220005.....113
2220063.....75
2220064.....113
2220235....283, 307, 311, 319
2220237.....307, 315
2220240.....307
2220242.....307
2220250.....86, 92, 107
2220252.....183
2220261.....134
2220273.....86, 92
2220307.....308
2220313...86, 92, 98, 116
2220362.....307, 311, 315
2220363.....307, 311
2220365.....307
2220371.....307, 315, 317
2220372.....319, 323
2220373....307, 315, 319, 323
2220375....307, 311, 315, 319, 323
2220376.....131, 319, 323
2220377....307, 311, 315, 319, 323
2220380.....319, 323
2220385.....317, 319
2220386.....312
2220407.....323
2220408.....319, 323
2220409.....320, 324
2220414.....320
2220415....307, 315, 317, 319, 323
2220418.....134
2220428.....319, 323
2220429.....319, 323
2220430.....106
2220435.....311
2220451.....91, 100, 307
2220459.....92
2220462.....320
2220465.....307, 311
2220466....307, 311, 319, 323
2220468.....317, 320, 324
2220472... 311, 312, 320, 324
2220473... 307, 315, 320, 324
2220474..... 323
2220479.... 127, 320, 324
2220490..... 307, 317
2220497..... 320, 324
2220498..... 319, 323
2220500..... 311
2220502... 307, 311, 320, 324
2220504... 307, 311, 315, 317
2220549..... 86
2220550..... 311
2220568..... 307
2220574..... 320, 323
2220577..... 317
2220578.... 127, 319, 323
2220582... 307, 311, 315, 317, 319, 323
2220596... 311, 315, 319, 323
2220603.... 317, 320, 324
2220605..... 319
2220606..... 307, 315
2220609..... 320, 324
2220618.... 319, 320, 323
2220619..... 317
2220622..... 311
2220628..... 319, 323
2220635..... 317
2220646... 128, 307, 311, 319, 323
2220671..... 307, 311
2220710..... 307
2220738..... 311, 323
2220747..... 183
2220750..... 183
2220767..... 85
2220794..... 86, 93
2220800..... 311
2220805..... 106
2220810.... 131, 319, 323
2220829..... 183
2220833..... 311
2220861..... 315
2220873... 319, 320, 323, 324
2220883..... 49, 271, 273, 277, 279, 283, 287
2220885... 267, 271, 273, 277, 279, 287, 292, 297, 301
2220886..... 49, 267
2220887..... 283
2220893..... 67
2220906..... 319, 323
2220909..... 320
2220914..... 311, 320
2220921..... 319, 323
2220947.... 128, 319, 323
2220948..... 319, 323
2220950..... 320, 324
2220974..... 320, 324
2221018..... 134
2221019..... 134
2221024..... 134
2221042..... 323
2221170..... 307
2221176..... 98, 102, 116
2300004..... 117
2300014..... 362
2300016..... 362
2300019..... 362
2300027..... 362
2300029..... 362
2360376..... 21
2360414..... 21
2360415..... 21
2360451..... 21
2360452..... 21
2360453..... 21
2360615..... 25
2360623..... 25
2360624..... 25
2360634..... 25
2360635..... 25
2360636..... 25
2400060.... 176, 181, 339
2400061..... 339
2400064..... 176, 181
2400065.... 337, 339, 356
2400066..... 337, 342
2400070..... 342
2410014..... 221
2420172..... 143
2420187..... 109, 119
2420203... 158, 162, 165, 170
2460013.... 157, 161, 165
2460032.... 157, 161, 165
2460039..... 157
2460044..... 165
2460048..... 173, 179
2460049..... 157
2460050..... 173
2460051..... 169
2460052..... 169
2460055..... 157, 161
2460056..... 157, 161
2460057..... 157
2560136..... 223
2560144..... 283
2560173..... 218
2580055..... 88, 361
2600209..... 154
2600211..... 225
2600216..... 213
2600233..... 154
2600281..... 217
2600287..... 213
2680435..... 154
2680437..... 154
2680443..... 154
2680448..... 154
2680449..... 154
2680450..... 154
2720058... 84, 86, 93, 98, 102, 107, 116
2720144..... 134
2720160..... 250, 257
2720271..... 86, 92
2720341.....109
2720392.....113
2720398.....91, 100
2720434.....84, 92, 100
2720435.....106, 118
2720436.....107, 118
2720449.....92, 100
2720472.....107, 116
2720509.....84
2720510.....85
2720514.....118
2720515.....85
2720532.....116
2750532..86, 92, 98, 100, 105, 106, 118
2751013.....307, 311
2751015.....317
2751016.....307, 311
2751020.....317
2751021.....311
2751032.....75
2751095.....75
2751396.....320, 324
2751397.....317
2751410.....317
2751427.....319
2751434.....317
2751474.....319, 323
2751868.....320, 324
2752245.....307
2752249.....311
2752256.....311
2752258.....307
2752322.....307, 311
2752331.....315
2752340.....319, 323
2752341.....308
2752345.....307
2752389.....311
2752398.....311
2752433.....320
2752443.....311
2752462.....307, 311, 317
2752475.....308, 315
2752478....307, 308, 311, 315
2752502.....323
2752504.....319, 323
2752514.....319
2752515.....319, 323
2752516.....319
2752517.....320
2752573.....319
2752574.....315
2752580.....320
2752584.....307, 311
2752587.....319
2752588.....320, 324
2752591.....320, 324
2752592....307, 308, 311, 315
2752594.....319
2752596.....320, 324
2752597.....320, 324
2752598.....320, 324
2752599.....320, 324
2752611.....308, 315

2752631 ..... 319, 323
2752632 ... 307, 308, 311, 315, 319, 323
2752633 ..... 320, 324
2752643 ..... 320, 324
2752653 ..... 319, 323
2752654 ..... 319, 323
2752752 ..... 319, 323
2752753 ..... 320, 324
2752762 ..... 319, 323
2752763 ..... 319, 323
2752783 ..... 320, 324
2752807 ..... 307, 311
2752810 311
2752812 ..... 307, 311
2752822 317
2752823 317
2752824 317
2752888 311
2752889 311
2752893 311
2752898 311
2752909 ..... 311, 315
2752910 ..... 308, 315
2752918 311
2752928 ..... 308, 315
2752929 ..... 308, 315
2752963 ..... 307, 311
2752977 315
2752981 ..... 320, 324
2753048 ..... 320, 324
2753083 320
2753084 363
2753325 324
2753397 ..... 308, 315
2753435 ..... 308, 315
2753924 ..... 308, 315
2753925 ..... 308, 315
2753926 315
2753928 315
2753929 ..... 308, 315
2753930 315
2753931 315
2753933 317
2753942 183
2753943 183
2753957 323
2753967 308
2753968 323
2753969 308
2760105 ..... 143, 223
2780188 13
2780205 ..... 75, 77
2780261 ..... 33, 37
2780269 ..... 33, 39
2780271 17
2792176 326
2792179 ..... 319, 326
2792180 ..... 319, 326
2792181 ..... 319, 326
2792184 ..... 307, 326
2792185 326
2792186 ..... 311, 326
2792187 326
2792204 ..... 317, 326
2792266 327
2792315 327
2792325 327
2792326 327
2792327 327
2792605 326
2792607 ..... 315, 326
2792608 ..... 323, 326
2792612 ..... 317, 326
2792613 ..... 323, 326
2792614 ..... 323, 326
2792615 326
2792616 ..... 307, 326
2792617 326
2792630 327
2792659 326
2792660 326
2820031 ... 159, 162, 166, 170, 175, 180
2820035 .... 147, 214, 218
2820038 250
2820078 155
2820079 155
2820081 155
2820119 155
2820172 118
2820173 118
2840016 151
2860012 ..... 162, 166
2860030 ..... 144, 356
2900752 123
2900770 ..... 65, 203, 267
2900788 43
2900792 ... 271, 273, 275, 277, 279, 281, 283, 287
2900826 123
2900827 123
2900937 361
2900967 360
2900970 361
2901271 267
2901284 301
2901285 283
2901301 ..... 277, 292
2901303 ... 271, 273, 279, 287, 292
2901358 92
2901362 107
2901443 343
2901691 362
2901763 70
2901986 201
2902203 363
2902212 247
2902217 .... 250, 253, 255
2902266 269
2902296 ..... 86, 92, 98
2902297 ..... 107, 116
2902300 363
2902394 361
2902443 337
2910045 361
2910073 363
2910460 361
2910463 361
2910924 361
2915014 143
2915137 361
2915196 109
2920110 148
2920113 148
2920129 ..... 224, 334, 337
2920140 ..... 214, 218, 342
2920157 ..... 148, 218
2920162 ..... 158, 161, 165
2920215 148
2940074 ..... 213, 217, 356
2940088 154
3010125 61
3020016 ..... 99, 117
3020021 ..... 95, 101
3100076 93
3124114 109
3160204 ..... 33, 43
3160273 ..... 75, 79
3160299 ..... 33, 45
3160300 ..... 33, 45
3160349 49
3160350 49
3200362 ..... 93, 100, 106, 118
3200378 91
3200406 ..... 85, 100
3220103 ..... 93, 100
3220104 ..... 93, 100
3220111 93
3220113 ..... 85, 93, 110
3220114 110
3220134 119
3250585 218
3250872 ..... 57, 61, 348
3251102 .... 159, 162, 166, 170, 226
3251158 183
3251243 ..... 170, 347, 351
3251813 ..... 347, 351
3252220 353
3252347 353
3252489 353
3252507 .... 159, 162, 347, 351
3252540 353
3252764 ..... 170, 173, 180
3271805 ..... 139, 221
3272605 ..... 190, 196, 203
3290801 85
3300007 ..... 14, 33
3300106 33
3300151 .... 250, 253, 255, 257, 362
3300205 144
3300229 14
3300241 200
3300353 224
3300393 213
3300396 ..... 175, 180
3300408 143
3310601 ..... 151, 175, 180
3310805 ..... 134, 147
3311001 .... 155, 217, 225, 226
3311005 .... 105, 147, 148, 158, 162, 166, 170, 213, 253, 255
3311401 ..... 144, 190, 243
3311402 ..... 190, 195
3311405 ... 67, 85, 86, 92, 99, 100, 107, 116, 117, 118, 133, 155, 170, 180, 185, 209, 214, 218, 223, 250, 257, 283, 347, 352, 362
3311501 ..... 66, 155, 243
3311505 ... 51, 53, 85, 86, 92, 93, 98, 100, 108, 110, 116, 119, 133, 155, 173, 180, 210, 214, 245, 261, 363
3311601 ..... 93, 110, 133, 155, 180, 225
3311605 . 85, 91, 98, 100, 102, 107, 116, 118, 151, 154, 158, 162, 166, 185, 195, 200, 209, 214, 218, 221, 223, 250, 253, 255, 257
3311705 .... 158, 162, 166
3311801 ... 33, 85, 93, 98, 107, 116, 175
3311805 85, 91, 100, 106, 118, 137, 151, 154, 190, 195, 196, 245
3312002 14
3312201 ..... 200, 247
3321501 155
3322201 139
3323002 14
3323403 14
3324203 ..... 14, 18
3340755 200
3340757 200
3340758 200
3340764 209
3340844 199
3340871 200
3340881 200
3340900 201
3340911 53
3340956 247
3340966 61
3380429 . 86, 92, 98, 106, 116
3380434 ... 214, 218, 347, 352
3420372 61
3420447 61
3420592 57
3421453 57
3421565 ..... 61, 75
3421627 75
3422326 ... 14, 18, 22, 26, 29, 31
3422332 13
3422333 ..... 13, 21
3422335 14
3422351 14
3422352 14
3422417 200
3422424 200
3422446 . 86, 91, 98, 106, 116
3422530 151

PART NUMBER INDEX

3422532..86, 92, 99, 107, 117
3422552.....57
3422553.....57
3422557.....189, 195
3422561.....195
3422562.....189
3422563.....195
3422564.....189, 195
3422565.....189
3422566.....189, 195
3422567...18, 26, 61, 189
3422568.....189, 195
3422569.....189
3422574.....195
3422580.....190
3422583.....195
3422591.....13, 21
3422592.....17, 25
3422661.....261
3422753.....22, 29
3422813.....61
3422841.....61
3422847.....61
3422848.....61
3422860.....195
3422861.....195
3422867.....195
3422900.....18, 26, 31
3422902....18, 22, 26, 29, 31
3422903....18, 22, 26, 29, 31
3422904.....21
3430816.....151
3450304.....225
3450404.....151
3450806.....210
3451010.....14, 18
3451012.....14
3460334.....247
3460398.....118
3480176.....267
3480188.....277, 279, 291
3480205.....301
3480206.....283
3480210....271, 273, 287, 291
3510488.....213
3510497.....213
3510542.....213
3510543.....213
3510545.....213
3510546.....213
3510565.....213
3510566.....213
3510728.....213
3510760.....213
3510822.....217
3510830.....217
3510831.....217
3510832.....217
3510833.....217
3510868.....221
3520028....158, 161, 162, 165, 166, 170, 223
3520033.....154
3520035..... 144
3520054..... 223
3520071..... 247
3520072.... 213, 217, 221
3520174..... 225
3520198..... 217
3534978..... 100
3536089..... 214, 218
3537318..... 75
3537416..... 91, 100
3537420..... 91
3537445..... 151
3537446..... 151
3538047..... 13
3538758..... 209
3539219..... 144
3539281..... 148
3539563..... 190, 195
3539590..... 155
3539622..... 200
3539662..... 57, 58
3539685..... 214
3539872 85, 91, 100, 106, 118
3539877.... 13, 17, 21, 25
3539878.... 13, 17, 21, 25
3539934..... 154
3539955..... 155
3539957 . 86, 91, 98, 106, 116
3539971..... 91, 100
3539972..... 105
3539979..... 155
3570103..... 106
3570133..... 107
3570754..... 93
3571498..... 105
3571692..... 106
3572009..... 61
3572010..... 61
3572011..... 61
3572012..... 61
3572280..... 118
3572414..... 107, 116
3572423..... 133
3573400... 250, 253, 255, 257
3573641..... 250, 257
3573642.... 250, 253, 255
3573643..... 250, 257
3574091..... 243
3574122..... 106
3574162..... 108, 118
3574206..... 85
3574207..... 85
3574208..... 85
3574225..... 170, 180
3574229..... 180
3574262..... 180
3574504..... 118
3574543..... 250
3574684..... 158
3574696..... 363
3575359..... 243
3577121..... 253, 255
3580134.... 158, 162, 165
3580158..... 161
3580241..... 199
3580243..... 199
3580248..... 199
3580249..... 199
3580250..... 165
3580276.... 158, 162, 165
3580307..... 165
3580312..... 170, 180
3580313..... 170, 180
3580314..... 180
3580317..... 175
3580318..... 175
3580319..... 175
3580320..... 175
3580321..... 175
3580322..... 157
3580324..... 170
3580325..... 170
3600242 86, 91, 105, 131
3600243..... 65
3600260 86, 91, 105, 122
3600365..... 65
3600377..... 108, 119
3600381 86, 91, 105, 126, 128
3600386..... 183, 185
3600388 86, 91, 105, 126, 128
3600394..... 99, 117, 127
3600395..... 99, 117, 131
3600396..... 99, 117, 127
3620033..... 91, 100
3620040..... 106, 118
3620047..... 85
3640493..... 330
3640986..... 175, 181
3641533..... 175, 181
3641569..... 243
3720021..... 183
3730120..... 339
3730121..... 339
3740049... 144, 330, 337, 342, 356
3740058..... 330
3740063..... 330
3740067 85, 91, 100, 106, 118, 356
3740080... 158, 162, 166, 170, 174, 180, 358
3760170..... 62, 75
3760367..... 267
3760368... 271, 273, 287, 291
3760369... 277, 279, 291, 301
3760372..... 283
3780187..... 14
3790012... 148, 215, 218, 224, 225, 226
3790045..... 33
3790110..... 204
3790152 . 86, 92, 99, 105, 117
3820001 57, 58, 148, 149, 347, 352
3820020..... 217
3841013..... 210
3841143....13, 14, 18, 21, 22, 26, 29, 31, 61, 86, 91, 98, 106, 116, 189, 195, 200
3841236.....14
3841258....13, 17, 18, 21, 25, 26, 31, 189, 195
3841322.....58
3841329.....58
3841340.....190, 195
3841510....18, 22, 26, 29, 31
3860050.....210
3890005.....199
3890006.....199
3890007.....199
3890008.....199
3890040.....221
3900054.....221
3900141.....287
3900207.....213
3900224.....225
3900230.....283
3900232.....93, 110, 155
3900268.....144
3900322.....170
3910606.....173, 180
3910608.....151
3910610.....175, 181
3910804.....144
3910808.....134
3911008.....213, 217
3911040.....148
3911612.....250
3930816.....147
3930828.....147
3931028.....147
3931408.....147
3931448.....301
3931508.....301
3931516....271, 273, 287, 291
3931620..86, 91, 99, 105, 117, 277, 279, 291, 297, 301
3931632.....175
3931672.....225
3931720.....267
3931840.....13, 17, 21, 25
3932032.....283
3932224.....75
3940604.....61
3950803.....283
3951608.....200
3960343.....14, 18
3960389..87, 91, 99, 107, 117, 154
3960407.....92, 100
3960422.....173, 180
3960438.....154
3960453.....154
3960461.....148
3960462.....154
3960464.....154
3960468 85, 93, 100, 108, 119

3960469 85, 93, 100, 108, 118
3960470 154
3960591 118
3990010 .... 338, 341, 356
4031911 85
4032015 174
4060092 341
4060700 .... 173, 180, 341
4060802 ... 159, 162, 166, 170, 173, 180, 218, 226
4060803 ..... 209, 214
4060805 86, 93, 100, 108, 118, 201
4060808 51
4060870 51
4060874 51
4060906 144
4060907 148
4060918 67
4060959 361
4061043 ..... 173, 180
4061049 174
4061058 54
4070410 155
4070411 155
4070412 155
4070863 200
4070864 200
4070878 ..... 13, 21
4070879 ..... 13, 21
4070895 200
4070896 200
4070897 200
4070898 200
4070929 201
4070939 201
4070940 201
4070944 .... 13, 17, 21, 25
4070945 .... 13, 17, 21, 25
4070975 199
4070976 200
4070987 144
4070994 210
4070995 210
4071004 200
4071005 201
4071007 201
4071059 61
4100025 93
4100026 336
4100033 ..... 190, 195
4100100 287
4120013 330
4120035 ..... 334, 338
4130353 13
4130354 13
4130381 ..... 22, 29
4130382 ..... 22, 29
4130394 ..... 26, 31
4130395 ..... 26, 31
4130396 18
4130397 18
4130399 26
4130400 18
4160139 155
4160143 155
4220162 148
4220165 214
4220191 85
4240018 ... 170, 174, 320, 324
4240032 148
4240033 ..... 190, 195
4240099 ... 214, 218, 243, 250, 253, 255, 257
4240113 133
4240149 247
4240151 363
4280295 133
4300097 33
4300111 180
4300157 175
4340678 224
4340684 224
4340738 ..... 170, 180
4340749 183
4360031 ..... 218, 225
4360057 243
4360070 ..... 175, 181
4360188 113
4360232 .... 226, 342, 358
4360294 ..... 162, 166
4360322 147
4360328 ... 144, 223, 226, 356
4360331 ... 214, 218, 223, 226, 356
4360336 ... 148, 159, 162, 166, 170, 173, 180, 214, 218, 219, 225, 226, 358
4360387 ... 223, 226, 243, 356
4360392 85, 91, 100, 106, 118, 356
4360407 ..... 223, 356
4360436 133
4360469 ..... 144, 356
4360475 .... 144, 223, 356
4360476 ..... 144, 223
4360542 ... 158, 161, 165, 169
4360549 147
4360578 ..... 147, 358
4400275 134
4400400 133
4400407 133
4400420 134
4400449 ..... 133, 134
4420014 247
4420037 ... 219, 250, 253, 255, 257
4420038 ..... 133, 134
4420051 61
4420054 147
4420062 261
4420066 247
4420068 ..... 243, 245
4460007 225
4460023 .... 158, 162, 166
4460027 ... 158, 161, 165, 169, 341
4460049 243
4460051 ..... 174, 180
4460071 .... 174, 180, 218, 224, 225, 334, 341
4460125 341
4460134 ..... 336, 341, 342
4460190 .... 158, 161, 165, 169
4460205 ..... 336, 341
4460225 334
4460226 .... 224, 225, 234, 241, 334, 337, 338, 341, 342
4460227 .... 224, 334, 338, 342
4460233 341
4460234 .... 144, 148, 149, 224, 243
4460265 ..... 234, 241
4460267 .... 337, 338, 340, 341
4460268 .... 147, 338, 339, 340
4460315 173
4460320 ..... 337, 341, 342
4460321 341
4460326 ..... 338, 340
4460346 ..... 173, 180, 341
4460374 ..... 176, 181
4460375 ..... 176, 181
4460411 ..... 175, 181
4460412 ..... 175, 181
4460413 ..... 175, 181
4460414 ..... 175, 181
4460415 ..... 175, 181
4460418 ..... 334, 338
4460419 ..... 334, 338
4460424 .... 147, 337, 339, 340, 342
4460425 .... 175, 181, 243, 342
4460426 .... 144, 175, 181, 214, 218, 226, 337, 342
4460428 ..... 147, 223, 334
4460434 ..... 334, 338
4460445 ..... 338, 340
4460457 339
4460458 339
4460460 339
4460464 .... 224, 225, 334, 338
4460465 .... 176, 181, 335, 339
4460466 335
4460467 ..... 342, 363
4460470 .... 144, 223, 334, 337
4460471 .... 144, 223, 334, 337
4460473 335
4460488 ..... 144, 224
4460499 ..... 70, 73, 340
4460508 334
4460509 335
4460510 ..... 342, 363
4460526 ..... 144, 337
4460536 338
4460539 339
4460579 339
4460580 339
4460582 339
4460598 ... 214, 218, 226, 342
4460607 .... 175, 181, 330
4460611 ..... 92, 107
4460633 183
4460634 338
4460635 338
4460701 ..... 341, 342
4460705 341
4460708 .... 224, 334, 337
4460713 339
4460725 339
4460726 339
4460728 339
4460742 339
4460761 .... 224, 334, 338
4460799 339
4460800 339
4460865 335
4460866 ..... 334, 338
4460871 ... 224, 229, 231, 237, 239, 334, 338, 339, 340, 342
4460873 ..... 334, 338
4460874 .... 144, 334, 337
4460875 .... 144, 334, 337
4460876 338
4460878 338
4460879 334
4460880 ..... 337, 339
4460887 ..... 334, 338
4460889 339
4460890 339
4460891 339
4460892 337
4460894 337
4460905 ... 144, 224, 334, 337, 338
4460906 341
4460943 338
4460944 339
4460956 ..... 175, 181
4460957 ..... 176, 181
4460958 ..... 173, 180
4460961 341
4460962 ..... 250, 255
4460963 ..... 176, 181
4460967 ..... 176, 181
4460968 147
4460971 ..... 250, 257
4460978 339
4460979 339
4461001 ..... 176, 181
4461005 340
4461006 340
4461008 340
4461052 ..... 339, 340
4461053 340
4461054 340
4461060 340
4461070 339
4461071 337
4461072 337
4461073 337

PART NUMBER INDEX

4461074.....337
4461095.....339
4520258.....34
4520339.....34
4520340.....34
4520355.....35
4520356.....34
4520357.....34
4530022.....250
4530024.....250, 257, 259
4530025.....257, 259
4530028.....253, 255, 263
4564281.....109, 119
4564417.....166
4566468.....271, 273, 277, 279, 291
4566471.....287
4566501.....283
4566605.....105, 118
4566644.....301
4566971.....57, 58
4567073.....85, 110
4567428.....93
4567429.....93
4567430.....93
4567431.....93
4567815.....91, 100
4567879.....107, 118
4568116.....133
4568119.....133
4568133.....62
4568158.....108
4568721.....85
4568734.....170, 180
4568735.....170, 180
4568788.....85
4568951.....118
4569083.....118
4569171.....100
4569173.....118
4569177.....85
4640113.....34, 35
4640261.....57
4640281.....61
4640476.....269
4640509.....271, 273, 275, 277, 279, 281, 283, 287
4640744.....131, 319, 323
4640750.....85
4640751.....91, 100
4640799.....283
4640858.....267
4640871.....13, 21
4640902.....287
4640906.....66
4640907.....66
4640908.....65
4640921.....66, 73
4640922.....66, 73
4640923.....51
4640931.....65, 67
4640932.....271, 273, 275, 277, 279, 281
4640937.....51
4640939.....317
4640989.....105, 118
4641022.....133, 134
4641028..... 301
4641096..... 65, 69
4641108..... 66, 67
4641162..... 267
4641280..... 53
4641284..... 315
4641287..... 53
4641307..... 308
4641319..... 269
4641409..... 53
4641410..... 53, 54
4711400... 13, 21, 67, 93, 98, 108, 118, 147, 170, 174, 180, 183, 209, 214, 218, 362
4711500... 53, 57, 66, 85, 93, 110, 133, 173, 180, 210, 225, 363
4711600... 13, 21, 57, 66, 86, 93, 100, 118, 175, 190, 195, 200, 209
4711700.... 101, 170, 180
4711800..... 21, 151, 174, 180, 190, 195, 209, 221
4711900..... 93, 100
4712600..... 57, 209
4713000..... 57
4713400..... 57
4740036..... 62
4740067..... 14
4740076..... 155
4740111... 14, 18, 22, 26, 29, 31, 61
4740155..... 61
4740158... 13, 17, 21, 25, 190, 195
4740171..... 154
4740256... 14, 18, 22, 26, 29, 31
4740263..... 18
4740274.....85, 91, 100, 107, 118
4740283..... 14, 18
4740314..... 190, 195
4740362... 148, 214, 218, 224
4740393..... 33
4740397... 159, 162, 166, 170, 226
4740439..... 195
4740444..... 144
4740463... 14, 22, 26, 29, 31
4740546..... 148
4750600..... 176, 181
4750800..... 134
4751000..... 62, 105, 148, 154, 159, 162, 166, 170, 213, 217, 253, 255
4751400... 85, 86, 92, 99, 100, 107, 116, 117, 118, 144, 147, 155, 174, 190, 195, 214, 218, 224, 243, 250, 253, 255, 257, 284, 347, 352
4751500.....51, 87, 105, 118, 154, 155, 158, 162, 166, 183, 214, 243, 245, 261
4751600... 51, 53, 54, 85, 92, 93, 98, 100, 102, 107, 110, 116, 118, 133, 134, 137, 139, 154, 158, 162, 166, 170, 180, 185, 201, 214, 218, 223, 250, 253, 255, 257
4751700..... 101
4751800... 13, 85, 93, 98, 106, 116, 137, 139, 170, 180, 183, 219, 221, 243
4751900..... 158
4752000. 86, 93, 98, 107, 116
4760600..... 176, 181
4761000.....14, 18, 155, 214, 217, 226
4761400..... 144, 174
4761500.... 105, 173, 180
4761600..... 58, 180, 185
4770600..... 151
4771800..... 108
4791400..... 93, 100, 174, 180
4811900..... 85, 175
4812000..... 118, 166
4831900..... 94, 101, 107, 118
4832000.....85, 94, 101, 107, 118
4844777..... 13
4844790..... 189, 194
4844815..... 194
4844816..... 194
4844817..... 194
4844924..... 213
4844925..... 213
4844928..... 213
4844944..... 189, 194
4844954..... 213
4844955..... 213
4844956..... 213
4845281..... 57
4845282..... 57
4845283..... 57
4845286..... 57
4845327..... 213
4845328..... 213
4845356..... 155
4845393..... 133
4845395..... 92, 100
4845404..... 91, 100, 106, 118
4845408..... 213
4845409..... 213
4845410..... 213
4845411..... 155
4845412..... 213
4845413..... 213
4845426..... 213
4845469..... 213
4845582.....261
4845667.....110
4845671.....209
4845677.....209
4845799.....93
4845819.....209
4846011.....106
4846046.....106
4846101.....213
4846102.....213
4846103.....213
4846253.....213
4846254.....213
4846255.....213
4846288.....21
4846295.....62
4846296.....62
4846319.....199
4846391.....209
4846392.....209
4846452.....217
4846561.....219
4846566.....91, 100
4846571.....250, 257
4846573.....190, 196
4846627.....250, 253, 255
4846673.....243
4846790.....85
4846805.....85
4846806.....105, 118
4846814.....17, 25
4846817.....110
4846934.....17, 25
4846935.....61
4860148.....34
4860243.....34
4891400.....67
4891500.....67, 170
4891600.....86, 92, 105, 117, 151, 170, 180, 190, 196, 200
4891800.....17, 25, 33, 66, 75, 99, 151, 174, 190, 196, 200, 245
4892000. 33, 75, 155, 170
4892200.....247
4892600.....190, 196
4920018.....214
4920385.....118
4921801.....341
4921827.....341
4921927.....67, 340
4921928.....67, 340
4921954.....341
4922466.....335
4922467.....335
4922468.....335
4922482.....341
4922498.....342
4922509.....330
4922513.....337
4922514.....337, 339
4922515.....337, 339
4922636.....337
4922637.....337
4922639.....224, 334
4922641.....176, 181, 341

4922643 ..... 330, 342
4922648 338
4922666 ... 144, 224, 334, 338
4922737 ..... 85, 86
4922757 176
4922764 342
4922790 335
4922791 335
4922792 335
4922847 330
4922863 330
4922884 335
4922887 335
4922888 .... 219, 335, 342
4922889 335
4922905 181
4922921 ..... 337, 339
4922925 ..... 175, 180
4922964 342
4922970 341
4922978 98
4923045 363
4923206 337
4923212 ..... 337, 339
4923213 338
4923226 ..... 337, 339
4923227 ..... 337, 339
4923229 338
4932986 330
4932990 330
4932993 330
4933025 330
4933026 330
4933215 ..... 330, 341
4933216 ..... 330, 341
4933217 330
4933218 330
4933219 330
4933221 .... 331, 337, 338
4933222 .... 331, 337, 338
4933263 330
4933264 176
4933274 330
4933283 181
4933291 .... 331, 336, 338
4933300 ..... 330, 341
4933307 330
4933313 ..... 330, 342
4933318 .... 331, 337, 338
4933327 .... 331, 337, 338
4933328 ..... 336, 338
70000122 157
70000123 . 157, 161, 165, 169
70000124 . 158, 161, 165, 169
70000125 . 158, 161, 165, 170
70000126 . 158, 161, 165, 169
70000127 .. 158, 161, 169
70000264 102
70000342 207
70000579 69
70000580 69
70000582 ..... 69, 356
70000583 69
70000619 ..... 175, 179
70000781 53
70000782 39
70000794 49
70000795 49
70000800 102
70000863 ..... 173, 179
70000916 101
70000917 101
70000918 101
70000919 101
70000934 66
70001002 94
70001017 ..... 85, 93, 100, 110
70001100 ..... 173, 179
70001119 39
70001120 87
70001248 ..... 139, 140
70001249 140
70001384 ..... 173, 179
70001423 94
70001435 101
70001498 ..... 94, 101
70001663 185
70001681 94
70001690 119
70001696 ..... 174, 179
70001697 ..... 204, 207
70001742 87
70001850 101
70001941 148
70001953 ..... 174, 179
70001966 ..... 174, 179
70001969 173
70001973 ..... 174, 180
70001974 ..... 174, 180
70001976 ..... 69, 73
70002005 ..... 209, 358
70002006 209
70002007 ..... 209, 358
70002063 ..... 53, 54
70002064 54
70002088 ..... 173, 179
7000209 77
7000214 77
7000216 39
7000217 77
70002200 ..... 94, 101
70002208 79
70002234 ..... 94, 101
70002235 .. 157, 161, 165
70002239 157
70002240 158
70002243 79
7000228 77
7000229 77
70002297 ..... 173, 179
7000230 77
70002307 ..... 109, 119
70002411 94
7000246 77
70002460 ..... 174, 179
7000253 77
70002530 94
7000255 77
7000256 77
70002567 ..... 109, 119
7000257 77
7000258 77
7000263 77
7000269 77
7000270 77
70002724 239
70002725 239
70002726 239
70002727 239
70002728 239
70002729 239
70002730 231
70002731 231
70002732 231
70002733 231
70002734 231
70002735 231
7000281 40
70002841 88
70002906 231
70002948 183
70003001 102
70003002 102
70003003 102
70003356 94
70003408 54
70003476 ..... 94, 101
70003483 ..... 218, 225
70003631 ..... 173, 179
70003708 174
70003709 174
70003784 223
70004169 ... 174, 179, 180
70004170 174
70004171 ..... 174, 179
70004182 85
70004643 209
70004738 241
70004739 241
70004740 241
70004741 241
70004742 241
70004743 241
70004744 241
70004745 241
70004746 241
70004747 241
70004748 241
70004749 241
70004750 241
70004751 241
70004752 233
70004753 233
70004754 233
70004755 233
70004756 233
70004757 233
70004758 233
70004759 233
70004760 233
70004761 233
70004762 233
70004763 233
70004764 233
70004765 233
70004766 233
70004767 233
70004768 233
70004769 233
70004770 233
70004771 233
70004772 233
70004773 234
70004774 234
70004775 234
70005230 241
7000625 ..... 218, 225
70006442 297
70006443 297
70006444 297
70006445 297
70006446 297
70006447 297
7000663 ..... 94, 101
7000731 33
7000897 ..... 108, 119
7001433 127
7001438 122
7001498 ..... 123, 127
7001625 299
7001626 299
7001627 299
7001629 299
7001630 299
7001633 299
7001711 37
7001909 77
7001911 77
7001913 39
7001928 77
7001931 77
7001985 77
7001987 77
7001988 77
7002821 ..... 342, 363
7002822 363
7002823 ..... 342, 363
7002826 363
7002828 343
7002840 ..... 13, 21, 363
7003657 .... 157, 161, 165
7003928 ..... 229, 231
7003933 237
7003935 237
7003941 ..... 237, 239
7003946 237
7003953 229
7003969 237
7003972 ..... 237, 239
7003973 ..... 237, 239
7003976 229
7003977 229
7003980 ..... 237, 239
7003982 239
7003983 ..... 237, 239
7003986 237
7003989 ..... 237, 239
7003992 ..... 229, 237
7003993 ..... 229, 237
7003994 237
7004035 79
7004043 79

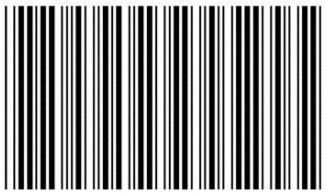
PART NUMBER INDEX

7004044.....79
7004248.....65
7004275.....363
7004276.....363
7004290.....65
7005881.....80
7005882.....80
7005889.....79
7005890.....79
7005891.....79
7005892.....79
7005893.....79
7006138.....209, 358
7007207.....126
7007208.....122, 126
7007412.....123, 128
7007413.....122, 126
7007414.....122, 126
7007416.....122
7007417.....122, 126
7007418.....126
7007419.....122, 126
7007420.....122
7007421.....122
7007423.....122, 126
7007424.....122
7007425.....122, 126
7007435.....45, 122, 126
7007436.....122
7007437.46, 49, 122, 126
7007438.45, 49, 122, 126
7007439.45, 49, 122, 126
7007440.....122
7007441.....122, 126
7007442.....122, 126
7007444.....122, 126
7007445.....122
7007446.....45, 49, 126
7007449.....122
7007452.....126
7007453.....122, 126
7007454.....122, 127
7007456.....122
7007457.....127
7007458.....122
7007459.....123
7007463.....123, 127
7007464.....127
7007465.....127
7007466.....123, 127
7007468.....123
7007469.....123
7007470.....123, 126
7007471.....123
7007472.....123, 127
7007474.....123, 127
7007475.....123, 127
7007476.....123, 127
7007477.....123, 127
7007478.....123, 127
7007482.....123
7007483.....123
7007484.....123, 127
7007485.....123, 127
7007486.....123
7007487.....123, 127
7007488.....123, 127
7007489..... 131
7007490..... 123
7007491..... 123
7007492..... 123
7007494..... 123, 127
7007496..... 123, 127
7007497.... 123, 127, 340
7007498.... 123, 127, 340
7007499..... 123
7007633..... 77
7007933..... 75
7007990..... 75
7010103..... 131
7010104..... 131
7010105..... 131
7010116..... 127, 128
7010120..... 123
7010121..... 123, 127
7010122..... 123, 127
7010474..... 77
7010488..... 77
7010492..... 77
7010494..... 77
7010542..... 69, 70
7010543..... 67, 69, 70
7010545..... 283
7011043..... 65
7011044..... 65
7011062..... 65
7011063..... 65
7011064..... 65
7011065..... 65
7011066..... 65
7011112... 271, 273, 275, 277, 279, 281
7011328..... 65
7011331..... 203
7011332..... 203
7011346..... 203
7012180..... 109, 119
7012513... 157, 161, 165, 169
7012514... 157, 161, 165, 169
7012518..... 67, 69
7012540..... 67
7012558... 157, 161, 165, 169
7012664. 84, 91, 99, 107, 118, 356
7012679..... 119
7012693..... 13, 21
7012700..... 43
7012701..... 43
7012702..... 43
7012703..... 43
7012704..... 43
7012705..... 43
7012706..... 43
7012707..... 43
7012708..... 43
7012709..... 43
7012710..... 43
7012711..... 43
7012712..... 43
7012713..... 43
7012714..... 43
7012715..... 43
7012716..... 43
7012769..... 69
7012772... 66, 69, 70, 73, 356
7012773.... 66, 69, 70, 73
7012774..... 66, 70, 73
7012775..... 69, 70
7012776..... 73
7012777..... 73
7012907..... 66
7012912..... 69, 70
7012914..... 69
7012918..... 67, 69
7012941..... 66, 67
7012943..... 67
7012944.. 66, 67, 69, 356
7012953.. 67, 69, 73, 287
7012954..... 67
7012961..... 67, 287
7012965..... 73
7012967..... 69
7012971..... 67
7012972..... 66
7012974..... 66
7012975..... 67
7012976..... 67
7012977..... 67
7012978..... 51
7012980..... 51
7012987..... 131
7012988..... 131
7012989..... 69
7012993..... 51
7012994..... 51
7012995..... 67
7012998.... 66, 69, 70, 73
7013187..... 137
7013189..... 139
7013711..... 65
7013755..... 65
7013796..... 65
7013799..... 65
7014700..... 37
7014701..... 37
7014703..... 37
7014704..... 37
7014705..... 37
7014707..... 37
7014708..... 37
7014709..... 37
7014710..... 37
7014711..... 37
7014712..... 37
7014717..... 37
7014718..... 37
7014719..... 37
7014720..... 37
7014721..... 37
7014722..... 37
7014723..... 37
7014724..... 37
7014725..... 37
7014726..... 37
7014729..... 37
7014730..... 37
7014731..... 37
7014732.....37
7014733.....37
7014734.....37
7014735.....37
7014736.....37
7014737.....37
7016180.....106
7016312.....66
7016313.....67
7016314.....133
7016322.....151
7016328.....94, 101, 358
7016331.....94, 101, 358
7016342.....137
7016374.....151
7016380.....148
7016399.....214, 218
7016422.....79
7016423.....79
7016424.....80
7016425.....79
7016426.....79
7016427.....80
7016530.....209, 358
7016652.....363
7016654.....363
7016655.....363
7016700.....65
7016701.....65
7016702.....65
7016744.....65
7016800.....92, 107
7016802.....92
7016803.....92
7016804.....107
7016807.....107
7016808.....107
7016812.....92
7016824.....92
7017022.....40
7017027.....39
7017070.....77
7017072.....39
7017089.....77
7017093.....39
7017095.....39
7017115.....203
7017118.....204
7017119.....203
7017142.....203, 204
7017156.....204
7017157.....204
7017158.....204, 207
7017159.....204, 207
7017162.....203, 207
7017163.....203, 207
7017164.....203, 207
7017174.....203
7017177.....203
7017183.....203, 207
7017193.....203, 207
7017195.....207
7017406.....53
7017410.....69
7017420.....66, 73
7017421.....73
7017422.....73

7017442 51
7017464 69
7018612 ..... 33, 75
7018912 .... 66, 69, 70, 73
7018942 ..... 69, 70, 73
7018945 73
7018946 73
7018947 73
7018948 73
7018951 69
7018986 69
7019103 237
7019110 237
7019111 ..... 229, 237
7019112 237
7019114 237
7019115 237
7019122 229
7019123 229
7019141 229
7019142 229
7019143 229
7019144 229
7019145 229
7019147 229
7019149 229
7019150 229
7019151 237
7019154 237
7019155 237
7019160 237
7019161 237
7019162 ..... 237, 239
7019164 ..... 237, 239
7019165 ..... 237, 239
7019166 237
7019167 ..... 237, 239
7019168 237
7019171 229
7019174 229
7019177 229
7019194 ..... 237, 239
7019196 237
7019197 229
7019656 106
7019658 133
7019680 .... 157, 161, 169
7019925 ..... 109, 119
7019930 109
7019932 109
7019976 ..... 109, 119
7019977 ..... 108, 119
7019986 108
7019993 ..... 109, 119
7019994 ..... 109, 119
7019996 ..... 108, 119
7020020 ..... 66, 356
7020021 ..... 67, 356
7020108 ... 157, 161, 165, 169
7020109 ... 157, 161, 165, 169
7020110 ... 157, 161, 165, 169
7020111 ... 157, 161, 165, 169
7020120 109
7020168 94
7020175 223
7020176 223
7020190 ... 157, 161, 165, 169
7020191 .... 158, 161, 165
7020192 ... 158, 162, 165, 170
7020193 ... 157, 161, 165, 169
7020246 143
7020408 ..... 94, 101
7020411 ..... 94, 101
7020431 94
7020447 101
7020449 ..... 94, 101
7020458 ..... 94, 102
7020459 ..... 94, 102
7020460 ..... 94, 102
7020461 ..... 94, 101
7020463 94
7020464 ..... 94, 101
7020465 ..... 94, 101
7020468 ..... 94, 101
7020471 ..... 94, 101
7020474 94
7020479 ..... 94, 101
7020480 94
7020487 ..... 94, 101
7020488 94
7021200 126
7021201 127
7021202 126
7021203 126
7021206 127
7021207 127
7021210 127
7021212 127
7021214 ..... 123, 127
7021217 127
7021218 127
7021219 127
7021220 127
7021221 127
7021222 127
7021223 126
7021232 128
7021249 ..... 45, 49
7021256 126
7021275 ..... 45, 49
7021310 70
7021625 ..... 53, 54
7021868 .... 109, 119, 358
7022134 ..... 108, 119
7022139 ..... 109, 119
7022143 ..... 109, 119
7022144 109
7022149 109
7022150 ..... 109, 119
7022151 109
7022152 109
7022153 109
7022154 109
7022155 ..... 109, 119
7022156 109
7022157 109
7022158 109
7022159 109
7022160 109
7022161 109
7022162 109
7022165 113
7022166 113
7022167 113
7022168 113
7022170 113
7022171 113
7022178 109
7022179 109
7022203 65
7022302 ..... 45, 49
7022311 ..... 45, 49
7022313 49
7022314 ..... 45, 49
7022318 45
7022320 45
7022321 45
7022326 ..... 46, 49
7022328 ..... 46, 49
7022368 ..... 45, 49
7022370 45
7022371 ..... 46, 49
7022372 ..... 45, 49
7022397 ..... 53, 54
7022399 ..... 53, 54
7022808 ..... 229, 231
7022812 237
7022814 229
7022815 ..... 229, 231
7022816 229
7022817 229
7022818 229
7022819 ..... 229, 231, 340
7022822 237
7022823 237
7022824 237
7022825 340
7023366 154
7023603 113
7023613 109
7023637 109
7023644 109
7023645 113
7023652 108
7023653 108
7023654 108
7023655 108
7023656 108
7023657 109
7023658 109
7023662 108
7023663 108
7023679 ..... 113, 340
7023680 113
7023681 ..... 109, 119
7023682 ..... 109, 119
7023683 ..... 108, 119
7023695 109
7023698 119
7023699 119
7023910 ..... 45, 49
7023917 54
7023933 ..... 53, 54
7023935 ..... 53, 54
7023936 ..... 53, 54
7023977 126
7023979 127
7024014 ..... 66, 70
7024015 ..... 69, 70
7024036 43
7024100 77
7024124 39
7024125 39
7024127 39
7024129 39
7024134 40
7024318 94
7024379 79
7024380 79
7024381 79
7024389 80
7024390 79
7024395 79
7024397 301
7024398 ..... 93, 100
7024404 140
7024439 134
7024440 134
7024441 134
7024442 134
7024443 134
7024444 ..... 134, 356
7024445 134
7024446 134
7024453 79
7024462 263
7024463 263
7024467 263
7024469 263
7024470 263
7024471 263
7024472 263
7024473 263
7024474 263
7024475 263
7024478 263
7024485 ..... 174, 179
7024488 ..... 175, 179
7024489 ..... 175, 179
7024519 259
7024520 259
7024521 259
7024522 259
7024523 259
7024524 259
7024525 259
7024526 259
7024527 259
7024528 259
7024529 259
7024530 259
7024531 259
7024532 259
7024533 259
7024534 259
7024535 259
7024536 259
7024537 259
7024538 259
7024539 259
7024540 259

PART NUMBER INDEX

7024541.....259
7024560.....93, 100
7024565.....94, 102
7024579.....94, 102
7024598.....151
7024721.....40
7024722.....39
7024723.....40
7024724.....39
7024725.....39
7024726.....39
7024727.....39
7024728.....39
7024729.....39
7024730.....39
7024731.....39
7024732.....39
7024733.....39
7024734.....39
7024735.....39
7024736.....39
7024737.....40
7024738.....39
7024739.....39
7024740.....39
7024741.....39
7024742.....39
7024743.....39
7024744.....39, 40
7024764.....40
7024765.....40
7024766.....40
7024800.....127
7024850.....53, 54
7024851.....127
7024853.....45, 49
7024861.....45
7024862.....45, 49
7024863.....45
7024864.....45
7024865.....45, 49
7024866.....45
7024867.....45, 49
7024868.....45
7024869.....45
7024871.....45, 49
7024874.....126
7024875.....126
7024877.....127
7024879.....269
7024892..... 53, 54
7025124..... 109
7026188..... 174, 180
7026189..... 139, 140
7026197..... 140
7026199... 157, 161, 165, 169
7026503..... 139
7026504..... 139
7026505..... 140
7026506..... 140
7026507..... 140
7026508..... 140
7026509..... 140
7026510..... 140
7026511..... 139
7026512..... 139, 140
7026522..... 94
7026597..... 174, 179
7026608..... 94, 101
7026626..... 174, 179
7026631..... 94, 101
7026632..... 185
7026633..... 185
7026634..... 185
7026635..... 185
7026636..... 185
7026637..... 185
7026638..... 185
7026639..... 185
7026640..... 185
7026641..... 186
7026642..... 186
7026643..... 186
7026644..... 186
7026645..... 186
7026646..... 186
7026647..... 186
7026648..... 186
7026649..... 186
7026650..... 186
7026651..... 185
7026652..... 185
7026653..... 185
7026654..... 185
7026655..... 185
7026656..... 185
7026658..... 186
7026659..... 185
7026660..... 185
7026661..... 185
7026800..... 87
7026801..... 87
7026802..... 87
7026803..... 87
7026804..... 87
7026805..... 87
7026806..... 87
7026807..... 87
7026808..... 87
7026809..... 87
7026810..... 87
7026811..... 87, 358
7026812..... 87
7026813..... 87
7026814..... 88
7026815..... 88
7026816..... 87
7026817..... 87
7026818..... 87
7026819..... 87
7026820..... 87
7026821..... 87
7026822..... 87
7026823..... 87
7026824..... 87
7026825..... 87
7026826..... 87
7026827..... 87
7026828..... 87
7026829..... 87
7026830..... 88, 358
7026831..... 87
7026832..... 87
7026833..... 87
7026834..... 87
7026835..... 88
7026836..... 88
7026838..... 88
7026839..... 88
7026840..... 88
7026841..... 88
7026843..... 88
7026882..... 88
7027000..... 86, 92, 98
7027001..... 86, 92, 98
7027002 . 86, 92, 98, 107, 116
7027003 . 86, 92, 98, 107, 116
7027004.....86, 92, 98
7027005.....107, 116
7027006.....107, 116
7027007.....107, 116
7027236.....102
7027239.....102
7027241.....101
7027245.....102
7027246.....101
7027276.....94, 102
7027400.....119
7027402.....109, 119
7027404.....119
7027405.....119
7027409.....119
7027410.....119
7027412.....85
7027413.....119
7027419.....45, 49
7027608.....101
7027609.....101
7027610.....101
7027740.....49
7027773.....263
7027774.....263
7027775.....263
7027776.....263
7027777.....263
7027778.....263
7027779.....263
7027780.....263
7027781.....183
7027782.....183
7027783.....183
7027784.....183
7027790.....101
7027791.....101
7027792.....102
7027793.....101, 340
7027794.....340
7027795.....102
7027796.....340
7027799.....174, 179
7027887.....158, 165, 170
8093461.....140
83304150.....79
8405009.....84
8405104.....84
8896941.....363
91083218...108, 119, 358



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JLG®

An Oshkosh Corporation Company

JLG Industries, Inc.
1 JLG Drive
McConnellsburg PA. 17233-9533
USA
Phone: +1-717-485-5161
Customer Support Toll Free: 1-877-554-5438
Fax: +1-717-485-6417

JLG Worldwide Locations

JLG Industries (Australia)
P.O. Box 5119
11 Bolwarra Road
Port Macquarie
N.S.W. 2444
Australia
Phone: +61 2 65811111
Fax: +61 2 65813058

JLG Latino Americana Ltd.
Rua Antonia Martins Luiz, 580
Distrito Industrial João Narezzi
13347-404 Indaiatuba - SP
Brazil
Phone: +55 19 3936 8870
Fax: +55 19 3935 2312

JLG Industries (UK) Ltd
Bentley House
Bentley Avenue
Middleton
Greater Manchester
M24 2GP
England
Phone: +44 (0)161 654 1000
Fax: +44 (0)161 654 1001

JLG France SAS
Z.I. de Baulieu
47400 Fauillet
France
Phone: +33 (0)5 53 88 31 70
Fax: +33 (0)5 53 88 31 79

JLG Deutschland GmbH
Max-Planck-Str. 21
D - 27721 Ritterhude-Ihlpohl
Germany
Phone: +49 (0)421 69 350 20
Fax: +49 (0)421 69 350 45

JLG Equipment Services Ltd.
Rm 1107 Landmark North
39 Lung Sum Avenue
Sheung Shui N.T.
Hong Kong
Phone: +852 2639 5783
Fax: +852 2639 5797

JLG Industries (Italia) s.r.l.
Via Po. 22
20010 Pregnana Milanese - MI
Italy
Phone: +39 029 359 5210
Fax: +39 029 359 5845

JLG Europe B.V.
Polaris Avenue 63
2132 JH Hoofddorp
The Netherlands
Phone: +31 (0)23 565 5665
Fax: +31 (0)23 557 2493

JLG Polska
Ul. Krolewska
00-060 Warsawa
Poland
Phone: +48 (0)914 320 245
Fax: +48 (0)914 358 200

Plataformas Elevadoras
JLG Iberica, S.L.
Trapadella, 2
P.I. Castellbisbal Sur
08755Castellbisbal, Barcelona
Spain
Phone: +34 93 772 4 700
Fax: +34 93 771 1762

JLG Sverige AB
Enkopingsvagen 150
Box 704
SE - 176 27 Jarfalla
Sweden
Phone: +46 (0)850 659 500
Fax: +46 (0)850 659 534

www.jlg.com