



Illustrated Parts Manual

Model ***3369electric*** ***3969electric***

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REVISION LOG

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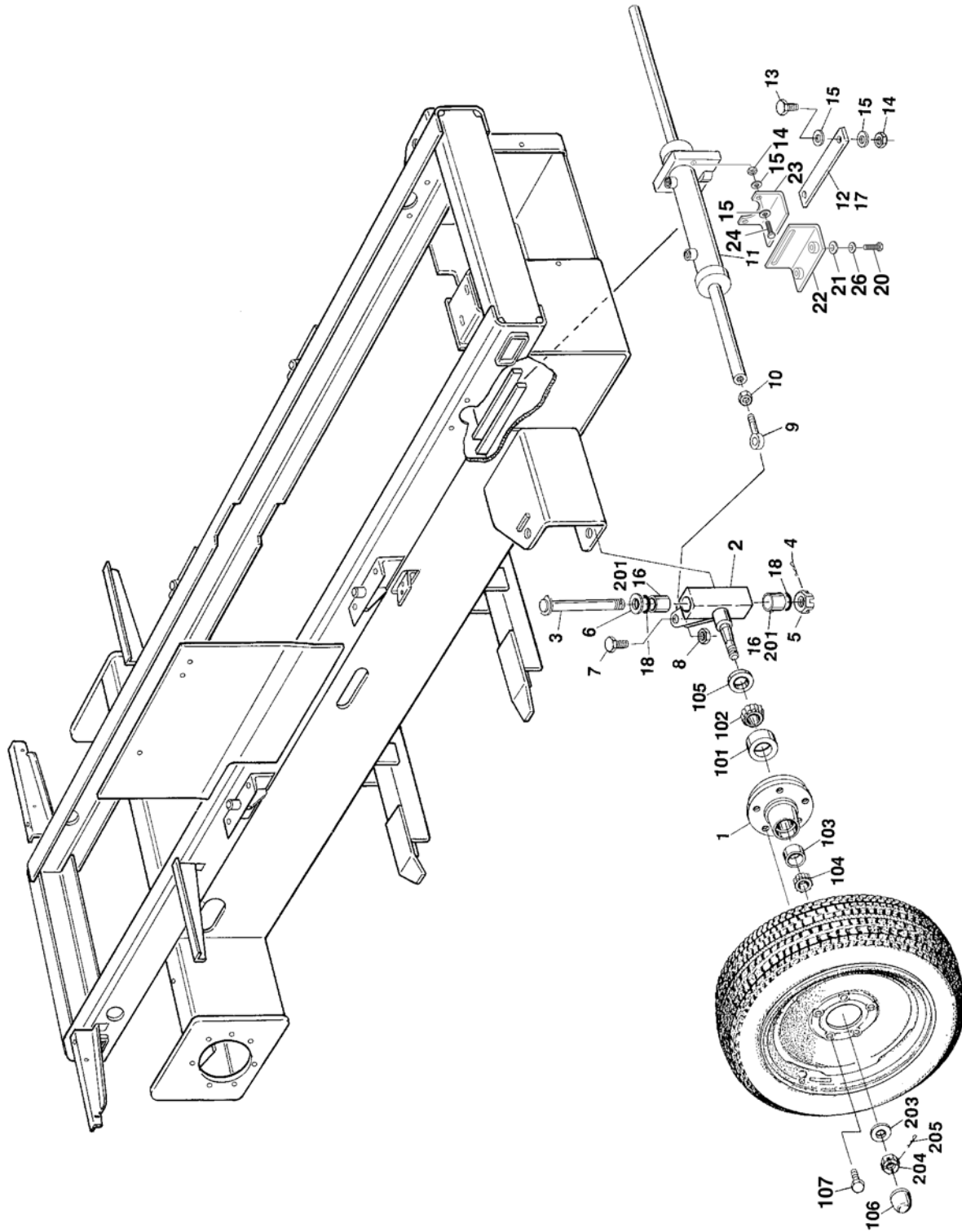
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FIGURE 1-1.FRAME AND STEERING INSTALLATION



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FIGURE 1-1. FRAME AND STEERING INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		FRAME AND STEERING INSTALLATION	Ref.	
		Frame Weldment Options:	1	
	2360370	3369/3969electric (Prior to S/N 71506)		
	2360534	3369electric (S/N 71506 to Present)		
		STEERING AND SPINDLES INSTALLATION OPTIONS:		
	0252243	Steering and Spindles - Standard	Ref.	8
	0255552	Steering and Spindles - CSA	Ref.	5
1	Use 1001139010	Hub Assembly (Includes Items 101-107) (was p/n 2780186)	2	
2		Spindle Options:		
	4130286	Standard	2	
	4130327	CSA	2	
3	3421988	Kingpin	2	
4	3450810	Pin, Cotter 1/4" x 2 1/2"	2	
5	3313003	Nut, Slotted 1 1/4" - 7NC	2	
6	0440162	Washer, Thrust	2	
7	0642016	Bolt 5/8"-18NC x 2"	2	
8	3312005	Locknut 5/8"-18NC	2	
9	3841146	Rod-End	2	
10	3322002	Nut, Jam 5/8"-18NC	2	
11	Use 1683695	Steer Cylinder Assembly (See Section 5 for Breakdown) (Prior to S/N 47596) (was p/n 1682527)	1	
	1683695	Steer Cylinder Assembly (See Section 5 for Breakdown) (S/N 47596 to Present)	1	
12	3340644	Pad, Wear	1	
13	0641510	Bolt 5/8"-18NC x 1 1/4"	2	
14	3311505	Locknut 5/8"-18NC	4	
15	4751500	Flatwasher 5/16"	8	
16	3020022	Grease	A/R	
17	4070809	Shim	A/R	
18	3780182	O-Ring	4	
19	Not Used			
20	0641608	Bolt 3/8"-16NC x 1" (S/N 80825 to Present)	2	
21	4740453	Flatwasher 3/8" (S/N 80825 to Present)	2	
22	0182002	Angle (S/N 80825 to Present)	1	
23	0182000	Angle (S/N 80825 to Present)	1	
24	0641514	Bolt 5/16"-18NC x 1 3/4" (S/N 80825 to Present)	2	
25	0100019	Loctite (Not Shown) (S/N 80825 to Present)	A/R	
26	4711600	Flatwasher 3/8" (Narrow) (S/N 82838 to Present)	2	

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

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HUB ASSEMBLIES	Ref.	
	2780186	Original Equipment	Ref.	C
	1001139010	Service Replacement	Ref.	A
		Note: Original Equipment components may have been replaced with Service Replacement components, Identify hub by bolts or studs before ordering parts.		
101	Kit	Cup, Bearing - Inner (1 Per Hub)	2	
102	Kit	Cone, Bearing - Inner (1 Per Hub)	2	
103	Kit	Cup, Bearing - Outer (1 Per Hub)	2	
104	Kit	Cone, Bearing - Outer (1 Per Hub)	2	
105	Kit	Seal (1 Per Hub)	2	
106	Use	Cap, Dust (1 Per Hub) (was p/n 7012524)	2	
	1001102354			
107		Hardware Options (5 Per Spindle):	10	
	0630016	Bolt, Wheel 1/2in x 20NF(Hub Assembly - 2780186)		
	7016360	Stud, Wheel 1/2in x 20NF (Hub Assembly - 1001139010)		
	3300407	Nut, Wheel 1/2in x 20NF (Hub Assembly - 1001139010)		

	2900804	Bearing & Seal Kit (Includes Qty 1 Items 101-105) (1 Per Hub) (Hub Assemblies 2780186 & 1001139010)	2	
	4130286	SPINDLE WELDMENT - STANDARD	Ref.	A
	4130327	SPINDLE WELDMENT - CSA	Ref.	—
201	0961621	Bushing, Bronze (2 Per Spindle)	2	
202	Not Used			
203	7012542	Washer (1 Per Spindle)	2	

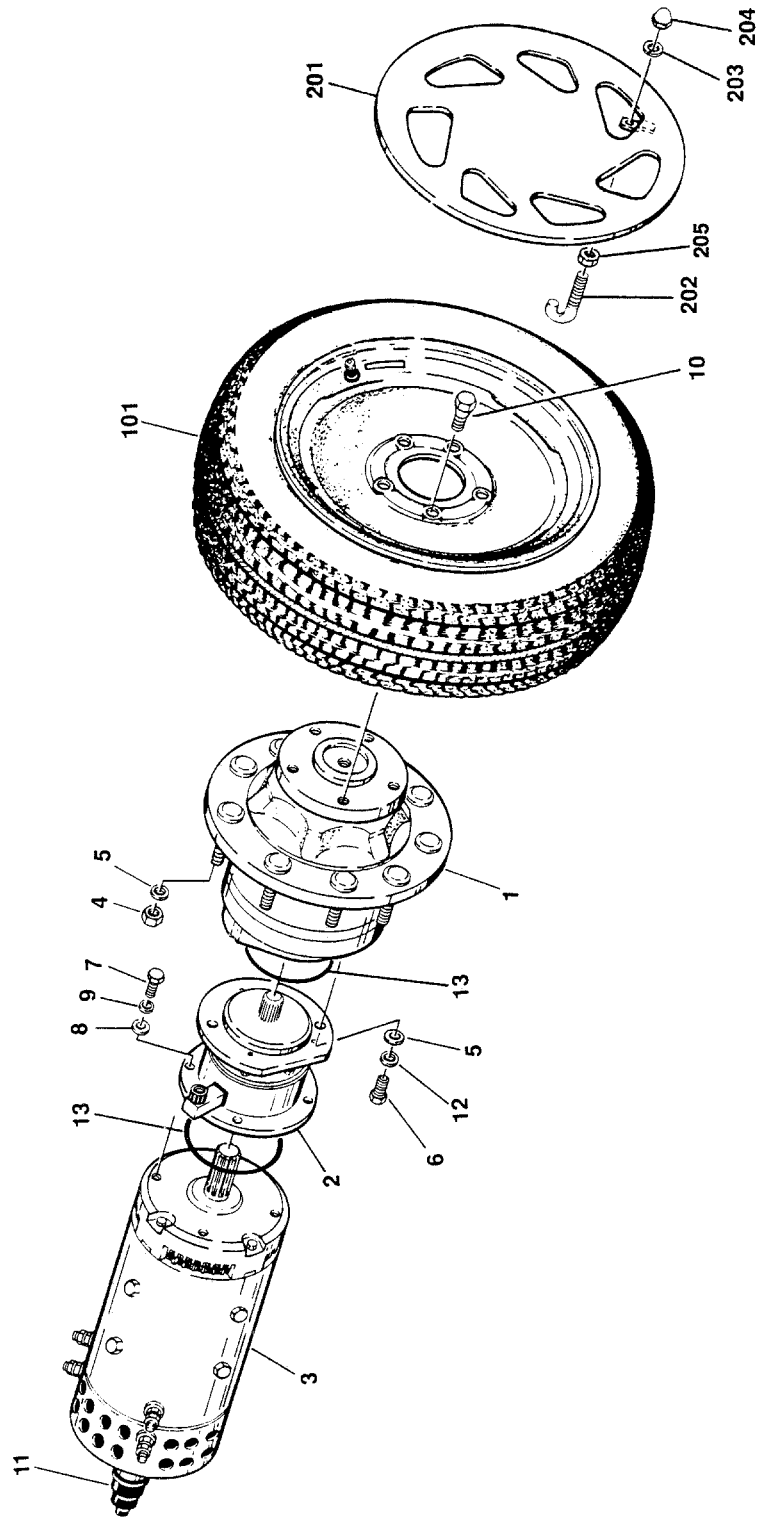
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FIGURE 1-1. FRAME AND STEERING INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 1-2.TIRE AND WHEEL DRIVE INSTALLATION



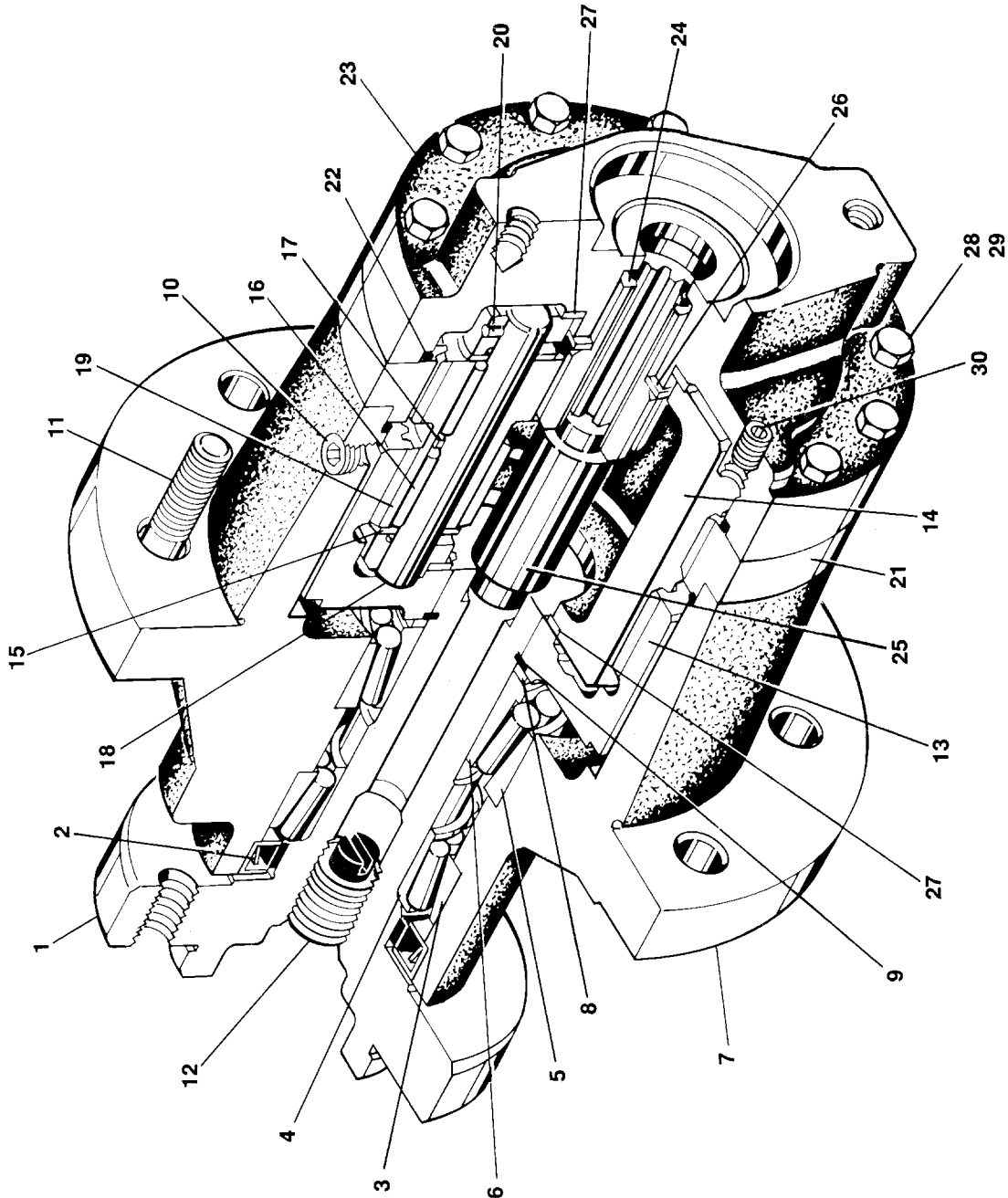
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FIGURE 1-2. TIRE AND WHEEL DRIVE INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		WHEEL DRIVE INSTALLATION OPTIONS:	Ref.	
	0254491	Standard (Prior to S/N 71506)	Ref.	10
	0255203	Standard (S/N 71506 to Present)	Ref.	8
	0256908	UL	Ref.	4
1	2780204	Drive Hub Assembly (See Figure 1-3 for Breakdown)	2	
2	0920090	Drive Brake Assembly (See Figure 1-4 for Breakdown)	2	
3	3160186	Drive Motor Assembly	2	
	2900811	Repair Kit (Includes All Bearings, Brushes, Springs and Wavy Washer (1 Per Motor)	2	
	7012546	Field Coil Kit (1 Per Motor)	2	
	7019609	Head Band Assembly (1 Per Motor)	2	
4	3321805	Locknut 1/2"-20NF	18	
5	4711800	Flatwasher 1/2" Narrow	22	
6	0641811	Bolt 1/2"-13NC x 1 3/8"	4	
7	0641608	Bolt 3/8"-16NC x 1"	8	
8	4711600	Flatwasher 3/8" Narrow	8	
9	4761600	Lockwasher 3/16"	8	
10	0630016	Bolt, Wheel	10	
11	3990053	Sensor, Tach Drive	2	
	7012609	Boot	2	
12	4761800	Lockwasher 1/2"	4	
13	3790240	O-Ring	2	
		TIRE AND WHEEL INSTALLATION OPTIONS:		
101	0252430	Tire And Wheel Assembly (Foam-Filled) (Sold as an Assembly)	4	
	4520151	Tire And Wheel Assembly (Non-Marking Optional) (Sold as an Assembly)	4	
	0252754	HUBCAP INSTALLATION (OPTIONAL)	Ref.	B
201	1670633	Hubcap (Prior to S/N 27282)	4	
	1670806	Hubcap (S/N 27282 to Present)	4	
202	0630455	J-Bolt 5/16"-18NC	8	
203	4761500	Lockwasher 5/16"	8	
204	3300356	Nut, Acorn 5/16"-18NC	8	
205	3311501	Nut 5/16"-18NC	8	

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FIGURE 1-3.DRIVE HUB ASSEMBLY



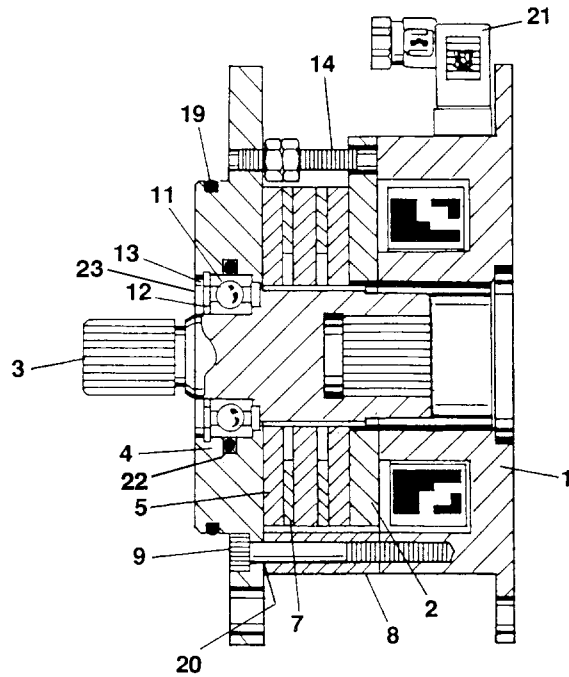
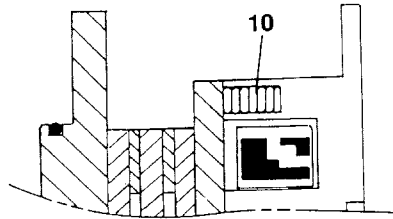
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FIGURE 1-3. DRIVE HUB ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	2780204	DRIVE HUB ASSEMBLY	Ref.	B
		Hub-Shaft Assembly	1	
1	7010487	Spindle	1	
2	Kit	Seal, Lip	1	
3	7000255	Cup, Bearing (Outer)	1	
4	7000256	Cone, Bearing (Outer)	1	
5	7000257	Cup, Bearing (Inner)	1	
6	7000258	Cone, Bearing (Inner)	1	
7	7000259	Housing	1	
8	Kit	Washer, Thrust	1	
9	Kit	Ring, Retaining	1	
10	7000242	Plug, Pipe - 1/4"NPTF	2	
11	7000241	Stud, Wheel 1/2"-20NF	9	
12	7001952	Plug, Pipe - 3/4"NPTF	1	
13	7000246	Gear, Internal	1	
		Carrier Assembly	1	
14	7001931	Carrier	1	
15	7001985	Washer, Tanged Thrust	6	
16	7001909	Bearing, Needle	96	
17	7000263	Spacer, Thrust	3	
18	7001911	Shaft, Planet	3	
19	7001987	Gear, Cluster	3	
20	7010474	Rollpin	3	
21	7001988	Gear, Ring	1	
22	Kit	O-Ring	2	
23	7000209	Cover, Input	1	
24	7010488	Gear, Sun	1	
25	7000269	Spacer, Input	1	
26	7000270	Washer, Thrust	1	
27	7000253	Washer, Thrust	2	
28	7000217	Bolt, Hex	8	
29	7000214	Bolt, Shoulder	4	
30	7000242	Plug, Pipe - 1/4"NPTF	1	
	2900034	Seal Kit (Includes Items 2,8,9, and 22)	1	

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FIGURE 1-4.DRIVE BRAKE ASSEMBLY



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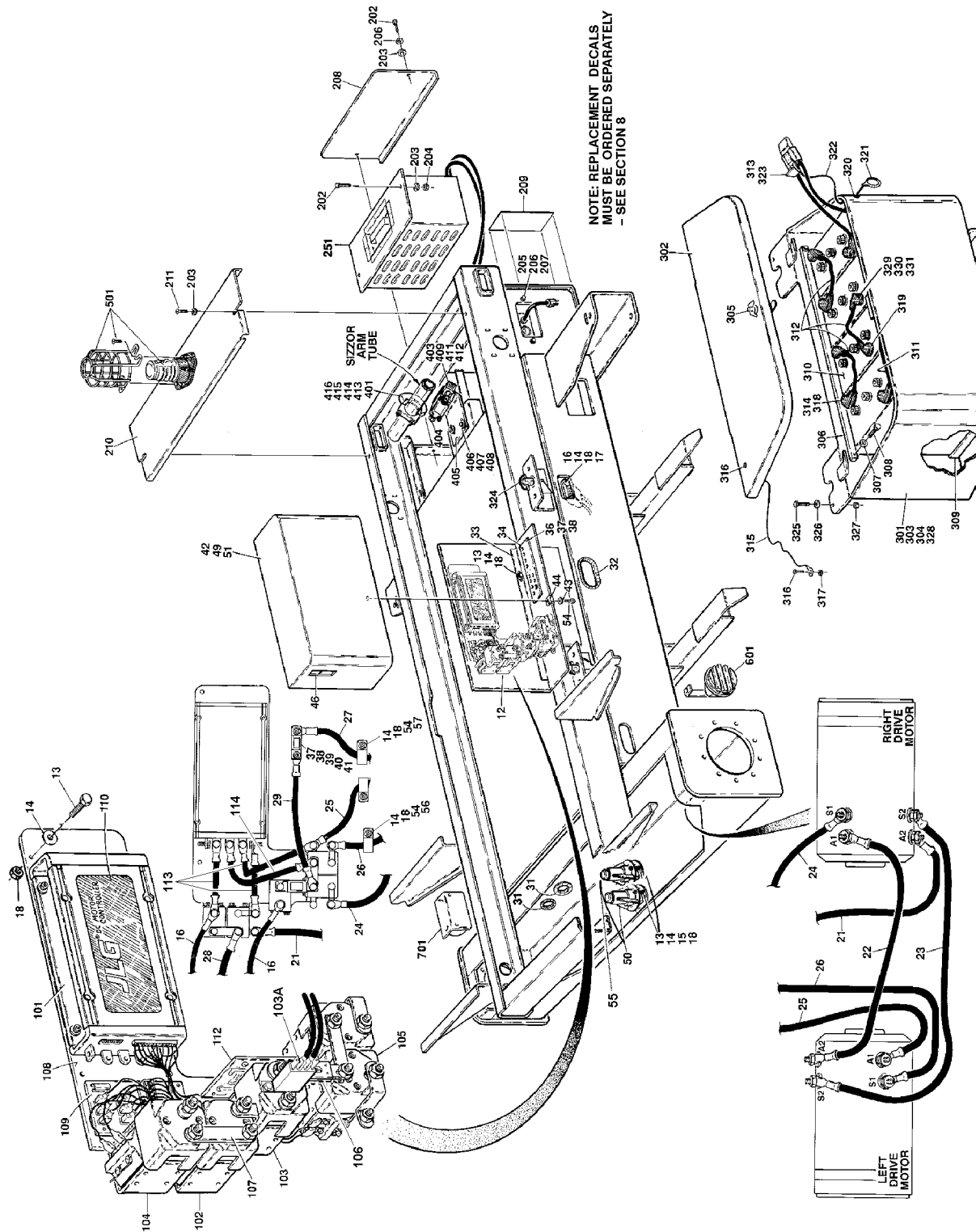
FIGURE 1-4. DRIVE BRAKE ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0920090	DRIVE BRAKE ASSEMBLY	Ref.	A
1	7012552	Magnet and Coil Assembly	1	
2	7012582	Armature	1	
3	7012554	Shaft	1	
4	Not Available	Plate, Mounting	1	
5	Kit	Plate, Friction (Solid)	3	
6	Not Used			
7	Kit	Plate, Outer	2	
8	7012692	Spacer	3	
9	7014116	Bolt, Metric Socket Head	3	
10	Kit	Spring, Compression	8	
11	7026609	Bearing, Ball	1	
12	7014129	Ring, Retainer (External)	1	
13	7014130	Ring, Retainer (Internal)	1	
14	7012689	Manual Release Assembly	3	
15	Not Used			
16	Not Used			
17	Not Used			
18	Not Used			
19	3790240	O-Ring	1	
20	7012691	Shim	A/R	
21	7012580	Connector, Electrical	1	
22	3790225	O-Ring (January 1995 to Present)	1	
23	7014128	Seal (S/N 73241 to Present)	1	

	7012583	Repair Kit (Includes Items 5,7,10,11, and 22	1	

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FIGURE 1-5.ELECTRICAL COMPONENTS INSTALLATIONS (FRAME MOUNTED)



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FIGURE 1-5. ELECTRICAL COMPONENTS INSTALLATIONS (FRAME MOUNTED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DRIVE CONTACTOR INSTALLATION OPTIONS:	Ref.	
	0254491	Standard (Prior to S/N 71506)	Ref.	10
	0255203	Standard (S/N 71506 to Present)	Ref.	8
	0256908	UL	Ref.	2
1 to 11	Not Used			
12	0254549	Contactor Plate Assembly (Includes Items 101-111 and other diodes, coils, fuse and wiring) (Purchase fuses locally)	1	
13	0641408	Bolt 1/4"-20NC x 1"	9	
14	4711400	Flatwasher 1/4"	A/R	
15	Not Used			
16	1060540	Cable Assembly	1	
17	0641416	Bolt 1/4"-20NC x 2"	4	
18	3311405	Locknut 1/4"-20NC	A/R	
19 to 20	Not Used			
21	1060549	Cable - 105"/267cm	1	
22	1060429	Cable - 39"/99cm	1	
23	1060430	Cable - 36"/91.5cm	1	
24	1060550	Cable - 108"/274cm	1	
25	1060551	Cable - 90"/228cm	1	
26	1060552	Cable - 90"/228cm	1	
27	1060553	Cable - 90"/228cm	1	
28	1060554	Cable - 108"/274cm	1	
29	1060555	Cable - 18"/46cm	1	
30	Not Used			
31	2540023	Grommet	2	
32	4060805	Flex-Trim (Prior to S/N 56587)	15in./38cm	
	4060807	Flex-Trim (S/N 56587 to Present)	15in./38cm	
33		Plate, Mounting Options:	1	
	3537950	Prior to S/N 75352		
	3572196	S/N 75352 to Present		
34	1320216	Clamp, Cable (Prior to S/N 75352)	1	
35	Not Used			
36		Screw Options:	A/R	
	0721006	Screw #10-24NC x 3/4" (Prior to S/N 75352)	7	
	0721008	Screw #10-24NC x 1" (S/N 75352 to Present)	4	
37	4751000	Flatwasher #10	13	
38	3311005	Locknut #10-24NC	6	
39	2400044	Fuseblock	1	
40		Fuse Options:	1	
	2400045	Standard (Prior to S/N 28687)		
	2400053	Standard (S/N 28687 to Present)		
	2400045	UL		
41	0741010	Screw, Countersunk #10-24NC x 1 1/8"	2	
42	4060873	Cover, Controller	1	
43	4751400	Flatwasher 1/4"	1	
44	3300353	Nut, Tinnerman	1	
45	Not Used			

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FIGURE 1-5. ELECTRICAL COMPONENTS INSTALLATIONS (FRAME MOUNTED) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
46	2560126	Handle, Pull	1	
47 to 48	Not Used			
49	4420008	Tape, Seal	7ft./2m	
50	4360371	Sensor, Level - 4.5°	1	
	7012608	Fuse - 1.5 Amp (Black Version Only - Not Required on Blue and Orange Versions)	1	
51	1702310	Decal - Cable Rounting	1	
52	Not Used			
53	0100048	Sealant, Silicone RTV (Not Shown)	A/R	
54	0641406	Bolt 1/4"-20NC x 3/4"	4	
55	4360349	Sensor, Level - 2°	1	
56	1320270	Clamp, Cable (S/N 75352 to Present)	2	
57	1320061	Clamp, Cable (S/N 75352 to Present)	2	
	0254549	CONTACTOR PLATE ASSEMBLY	Ref.	
101	7013310-ES	Control Module Assembly	1	
102	7013301	Contactor (Changeover)	1	
	7013316	Tip Repair Kit - 7013301 Contactor	1	
103	7013306	Contactor (Main)	1	
	7013317	Tip Repair Kit - 7013306 Contactor	1	
103A	7013332	Micro Switches Kit - 7013306 Contactor	1	
104	7013303	Contactor (By-Pass)	1	
	7013318	Tip Repair Kit - 7013303 Contactor	1	
105	7013302	Contactor (Forward/Reverse)	1	
	7013319	Tip Repair Kit - 7013302 Contactor	1	
106	7013312	Fuse, Buss - 200 Amp	1	
107	7013336	Bar, Buss	1	
108	Not Serviced	Plate, Mounting	1	
109	7013307	Board, PC	1	
	7013314	Kit Board, PC	1	
	2400005	Fuse - 20 Amp	1	
	7013322	Fuse - 7 Amp	1	
110	Not Serviced	Decal	1	
111	7013313	Harness (Module to Contactors) (Not Shown)	1	
	7013325	Connector, Electrical - 16 Pin (At PC Board)	1	
	7013326	Connector, Electrical - 17 Pin (At Control Module)	1	
	7013330	Connector, Electrical - 6 Pin (At Contactors)	5	
	7013327	Connector, Electrical - 15 Pin (To JLG Harness)	1	
	7013328	Connector, Electrical - 4 Pin (To JLG Harness)	1	
	7013320	Pin (Use with 7013325 & 7013326 Connectors)	A/R	
	7013329	Socket (Use with 7013327 & 7013328 Connectors)	A/R	
	7013331	Pin (Use with 7013330 Connector)	A/R	
112	7013315	Resistor/Bracket Assembly	1	
113	70003552	Cable, Electrical (8.5in/21.5cm)	3	
114	70003553	Cable, Electrical (10in/25.4cm)	1	

SECTION 1 FRAME

FIGURE 1-5. ELECTRICAL COMPONENTS INSTALLATIONS (FRAME MOUNTED) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		BATTERY CHARGER INSTALLATION OPTIONS:	Ref.	
	0254496	Charger - 110VAC/60HZ - USA/CSA (Non UL)	Ref.	4
	0255536	Charger - 110VAC/60HZ - USA/CSA (UL)	Ref.	—
	0254497	Charger - 220VAC/50HZ - Latin America (Non UL)	Ref.	B
	0255627	Charger - 220VAC/50HZ - Latin America (UL)	Ref.	—
	0257478	Charger - 220VAC/60HZ - USA/CSA/Latin America/Brazil (Non UL)	Ref.	1
	0254498	Charger - 100VAC 50/60HZ - Japanese Spec.	Ref.	B
201	Not Used			
202	0641406	Bolt 1/4"-20NC x 3/4"	3	
203	4711400	Flatwasher 1/4" Narrow	5	
204	3311405	Locknut 1/4"-20NC	1	
205	4761400	Lockwasher 1/4"	4	
206	0641408	Bolt 1/4"-20NC x 1"	2	
207	3300181	Nut, Retainer 1/4"-20NC	2	
208	3537637	Cover - Front	1	
209	1701695	Decal	1	
210	4060871	Cover - Top	1	
211	3900022	Screw, Self-Tapping 1/4"-20NC x 3/4"	2	
212 to 250	Not Used			
251		Battery Charger Options: (See Figure 1-6 for Breakdown)	1	
	0400102	USA/CSA (Non UL) (Prior to S/N 60218)		
	0400162	USA/CSA (Non UL) (S/N 60218 to Present)		
	0400124	USA/CSA (UL)		
	0400103	Latin America (Non UL)		
	0400137	Latin America (UL)		
	0400158	USA/CSA/Latin American/Brazil (Non UL)		
	0400105	Japanese Spec.		
		BATTERY BOX INSTALLATION OPTIONS:	Ref.	
	0255087	Standard	Ref.	7
	0254276	HI-Output (Prior to S/N 75765)	Ref.	H
	0258444	HI-Output (S/N 75765 to Present)	Ref.	5
301	4844424	Battery Box Weldment	2	
302	1670696	Cover, Battery Box	2	
303		Cover, Insulator Options:	2	
	Not Required	Standard		
	2820063	HI-Output		
304	0100065	Adhesive (Prior to S/N 36134)	A/R	
305	2940073	Latch	2	
306	4565640	Tube	2	
307	4711500	Flatwasher 5/16"	8	
308	0641512	Bolt 5/16"-18NC x 1 1/2"	4	
309	3000003	Liner, Tray	2	
310		Battery Options:	8	
	0400069	Battery - 6V225 (Wet)		
	0400112	Battery - 6V225 (Dry)		
	0400055	HI-Output Battery - 6V370 (Wet)		
	0400107	HI-Output Battery - 6V370 (Dry)		

SECTION 1 FRAME

FIGURE 1-5. ELECTRICAL COMPONENTS INSTALLATIONS (FRAME MOUNTED) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
311	1060405	Cable Assembly	2	
312	1060561	Cable, Battery (Prior to August 1995)	6	
	1060092	Cable, Battery (August 1995 to Present)	6	
313	0100048	Silicone Compound	A/R	
314	0100051	Grease, Terminal	A/R	
315	1060492	Lanyard	4	
316	0641405	Bolt 1/4"-20NC x 5/8"	8	
317	3311405	Locknut 1/4"-20NC	8	
318	0840031	Boot, Terminal - "d" shape	10	
319	0840032	Boot, Terminal - "b" shape	6	
320		Gromment Options:	2	
	Not Required	Standard		
	2540016	HI-Output		
321		Ring Options:	2	
	Not Required	Standard		
	3760170	HI-Output		
322		Cable, Lanyard Options:	2	
	Not Required	Standard		
	1060491	HI-Output		
323		Handle, Pull Options:	2	
	Not Required	Standard		
	1320172	HI-Output		
324	3421799	Pin, Quick Release	4	
325	0641612	Bolt 3/8"-16NC x 1 1/2"	4	
326	4751600	Flatwasher 3/8"	8	
327	3311605	Locknut 3/8"-16NC	4	
328		Cover, Insulator Options:	4	
	Not Required	Standard		
	1320172	HI-Output		
329	3300429	Nut 5/16"-18NC Stainless	16	
330	4740474	Lockwasher 5/16" Stainless	16	
331	0630526	Bolt 5/16"-18NC x 1 1/4" Stainless	16	
	0254482	DRIVE CUTOUT LIMIT SWITCH INSTALLATION	Ref.	3
401		Cam Options:	1	
	Use 1100101	Cam (Prior to S/N 49916) (was p/n 1100085)		
	1100101	Cam (S/N 49916 to Present)		
402	Not Used			
403	4360300	Switch, Limit	1	
404	4460049	Stain Relief	1	
405	0902033	Bracket, Mounting	1	
406	0641408	Bolt 1/4"-20NC x 1"	4	
407	4751400	Flatwasher 1/4"	4	
408	3311405	Locknut 1/4"-20NC	4	
409		Bolt Options:	4	
	3910832	Bolt #8-32 x 2" (Prior to S/N 49916)		
	3911032	Bolt #10-32 x 2" (S/N 49916 to Present)		

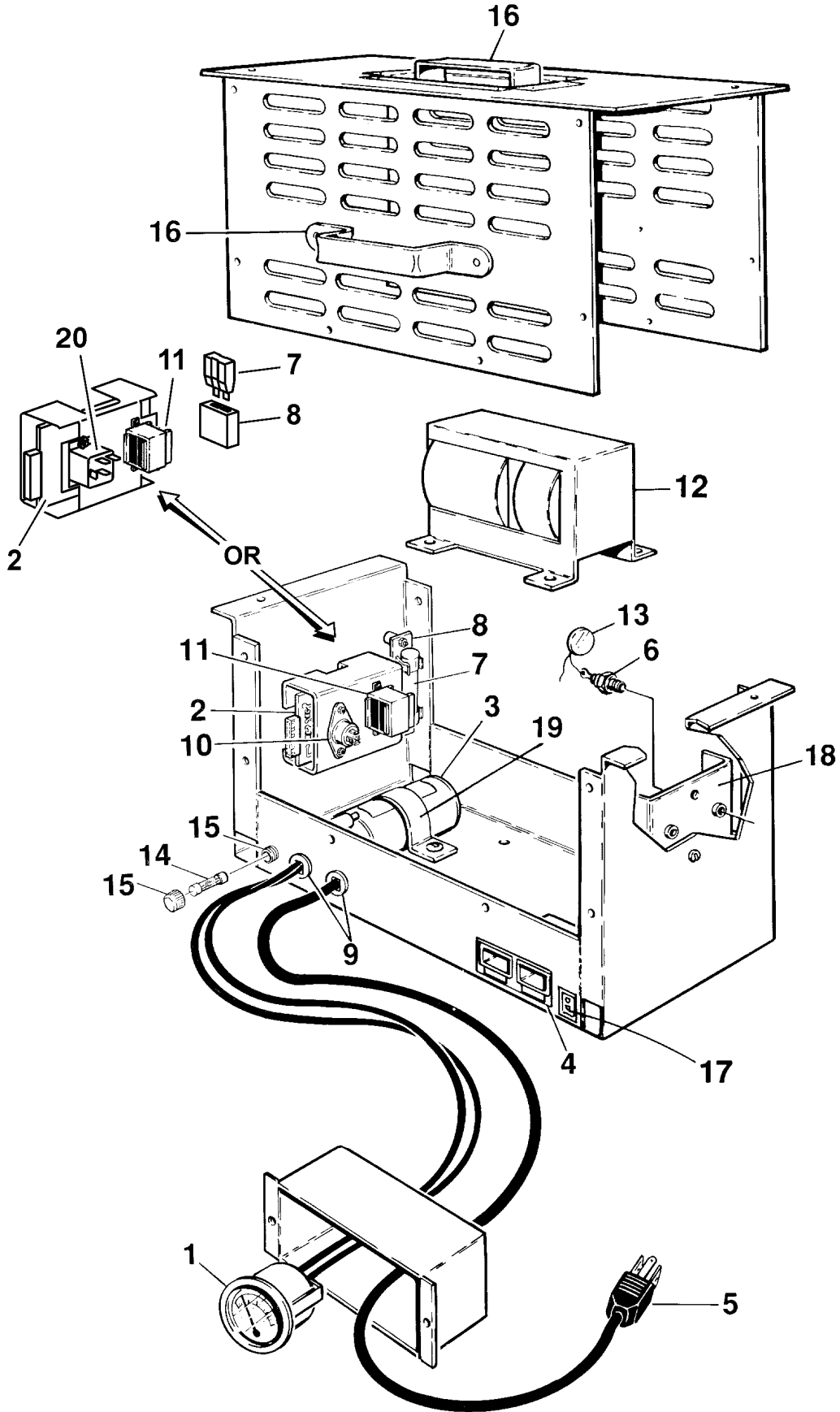
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FIGURE 1-5. ELECTRICAL COMPONENTS INSTALLATIONS (FRAME MOUNTED) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
410		Flatwasher Options:	4	
	4750800	Flatwasher #8 (Prior to S/N 49916)		
	4750800	Flatwasher #10 (S/N 49916 to Present)		
411		Lockwasher Options:	4	
	4760800	Lockwasher #8 (Prior to S/N 49916)		
	4760800	Lockwasher #10 (S/N 49916 to Present)		
412		Nut Options:	4	
	3310801	Nut #8-32 (Prior to S/N 49916)		
	3310801	Nut #10-32 (S/N 49916 to Present)		
413	1320237	Clamp (S/N 49916 to Present)	1	
414	4761400	Lockwasher (S/N 49916 to Present)	2	
415	4711400	Flatwasher (S/N 49916 to Present)	2	
416	0100019	Loctite #271 (S/N 49916 to Present)	A/R	
	0254827	BEACON LIGHT INSTALLATION (OPTIONAL)	Ref.	A
501	4060865	Shield, Cage	1	
	2920119	Light, Beacon (Prior to S/N 23604)	1	
	7016319	Bulb, Flash Bulb	1	
	7016320	Lens, Amber	1	
	2920146	Light, Beacon (S/N 23604 to Present)	1	
	7016319	Bulb, Flash Bulb	1	
	7016372	Lens, Amber	1	
	0721006	Screw, Machine #10-24NC x 3/4"	2	
	4751000	Flatwasher #10	4	
	3311005	Locknut #10-24NC	2	
	1060341	Cable, Electrical - 16/2	121in/3m	
	0255047	HORN INSTALLATION OPTIONAL:	Ref.	3
601	0140028	Horn	1	
	0641508	Bolt 5/16"-18NC x 1" (Prior to S/N 71522)	1	
	3311501	Nut 5/16"-18NC (Prior to S/N 71522)	1	
	4761500	Lockwasher 5/16" (Prior to S/N 71522)	1	
	1060341	Cable, Electrical - 16/2	8ft/2.4m	
	0840026	Boot, Terminal	2	
		ALARMS INSTALLATIONS:	Ref.	
	0255046	Descent	Ref.	—
	0255044	Motion	Ref.	A
	0255045	Travel (Prior to S/N 71506)	Ref.	B
701	0140031	Alarm (Remove ground strap before installation)	1	
	0641408	Bolt 1/4"-20NC x 1"	2	
	3311401	Locknut 1/4"-20NC	2	
	4761400	Lockwasher 1/4"	2	
	4711400	Flatwasher 1/4"	4	
	1060341	Cable, Electrical - 16/2	7ft./21m	

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FIGURE 1-6.BATTERY CHARGER ASSEMBLY



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FIGURE 1-6. BATTERY CHARGER ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		BATTERY CHARGER ASSEMBLY	Ref.	A
	0400102	Standard 110VAC/60HZ (Prior to S/N 60218)	Ref.	A
	0400162	Standard 110VAC/60HZ (S/N 60218 to Present)	Ref.	A
	0400124	UL 110VAC/60HZ (PRODUCTION)	Ref.	—
	0400124	UL 110VAC/60HZ (SERVICE REPLACEMENT)	Ref.	—
	0400103	Non-UL 220VAC/50HZ	Ref.	—
	0400137	UL 220VAC/50HZ	Ref.	—
	0400158	Non-UL 220VAC/60HZ (USA/CSA/LATIN AMERICA/ BRAZIL)	Ref.	—
	0400105	100VAC 50HZ/60HZ (JAPANESE SPEC)	Ref.	—
		Note: 0400124 Service Replacement Chargers Use a Relay. 0400124 Production Chargers Use a Triac.		
1	7011573	Ammeter	1	
2		Board, Circuit Options:	1	
	Use 7011662	Prior to January 1995 (Was p/n 7011588) (0400102/ 0400162/0400124 Production/0400103/0400137/ 0400105 Chargers)		
	7011662	January 1995 to Present (0400102/0400162/0400124 Production/0400103/0400137/0400105 Chargers)		
	7022961	0400124 Service Replacement Charger		
	Use 7011679	All 0400158 Chargers (Was p/n 7018538)		
3		Condenser Options:	1	
	7018500	0400102/0400124 Production/0400158/0400105 Chargers		
	7020624	0400124 Service Replacement/0400162 Chargers		
	7011623	0400103 Chargers		
	7011574	0400137 Chargers		
4	7011590	Connector, DC	1	
5		Cord, AC Options:	1	
	7011591	0400102/0400162/0400105 Chargers		
	7011643	0400124 Production Chargers		
	7022962	0400124 Service Replacement Chargers		
	7011544	0400103 Chargers		
	7011572	0400137 Chargers		
	7011677	0400158 Chargers		
6		Diode Options:	2	
	7011576	0400102/0400124 Production/0400103/0400137/ 0400105 Chargers		
	7011668	0400162/0400124 Service Replacement/0400158 Char- gers		
7		Fuse, DC Options:	1	
	7011593	0400102/0400162/0400124 Production/0400103/ 0400137/0400105 Chargers		
	7020691	0400124 Service Replacement Chargers		
	7018570	0400158 Chargers		

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FIGURE 1-6. BATTERY CHARGER ASSEMBLY (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
8		Holder, Fuse - DC Options:	1	
	7011594	0400102/0400162/0400124 Production/0400103/ 0400137/0400105 Chargers		
	7018571	0400124 Service Replacement/0400158 Chargers		
9		Connector, Strain Relief Options:	A/R	
	7011528	0400102/0400124 Production/0400105 Chargers	3	
	7011646	0400124 Service Replacement/0400162 Chargers	2	
	7011646	0400103 Chargers (AC Cord)	2	
	7011528	0400103 Chargers (DC Cord)	1	
	7011528	0400137 Chargers	1	
	7011646	0400158 Chargers	1	
	7020659	0400124 Service Replacement Chargers (DC Cord)	1	
10		Triac Options:	1	
	7011517	0400102/0400124 Production/0400103/0400137/ 0400105 Chargers		
	7018572	0400162/0400158 Chargers		
	Not Required	0400124 Service Replacement Chargers		
11		Transformer, Control Options:	1	
	7011518	0400102/0400162/0400124 Production/0400124 Service Replacement/0400105 Chargers		
	7011551	0400103/0400137/0400158 Chargers		
12		Transformer, Main Options:	1	
	Use 7011595	0400102 Chargers (Was p/n 7011622)		
	7018574	0400162 Chargers		
	7011595	0400124 Production/0400105 Chargers		
	7022963	0400124 Service Replacement Chargers		
	7011598	0400103/0400137 Chargers		
	7018573	0400158 Chargers		
13		Varistor Options:	1	
	7011596	0400102/0400105/0400124 Service Replacement Char- gers		
	7011584	0400162/0400124 Production/0400124 Service Replacement/0400103/0400137/0400158 Chargers		
14		Fuse, AC Options:	1	
	7011597	0400102/0400105 Chargers		
	7011645	0400162/0400124 Production/0400124 Service Replace- ment Chargers		
	7011508	0400103/0400137 Chargers		
	7018569	0400158 Chargers		
15	7011507	Holder, Fuse - AC	1	
16	Not Available	Handle	2	
17	7011621	Connector, Enable Switch	1	
18		Heatsink Options:	1	
	7011610	0400102/0400103/0400137 Chargers		
	7018539	0400124 Service Replacement/0400162/0400158 Char- gers		
	7011611	0400124 Production Chargers		
	7011628	0400105 Chargers		
19	7011511	Strap, Condenser	1	
20	7018506	Relay (0400124 Service Replacement Charger Only)	1	

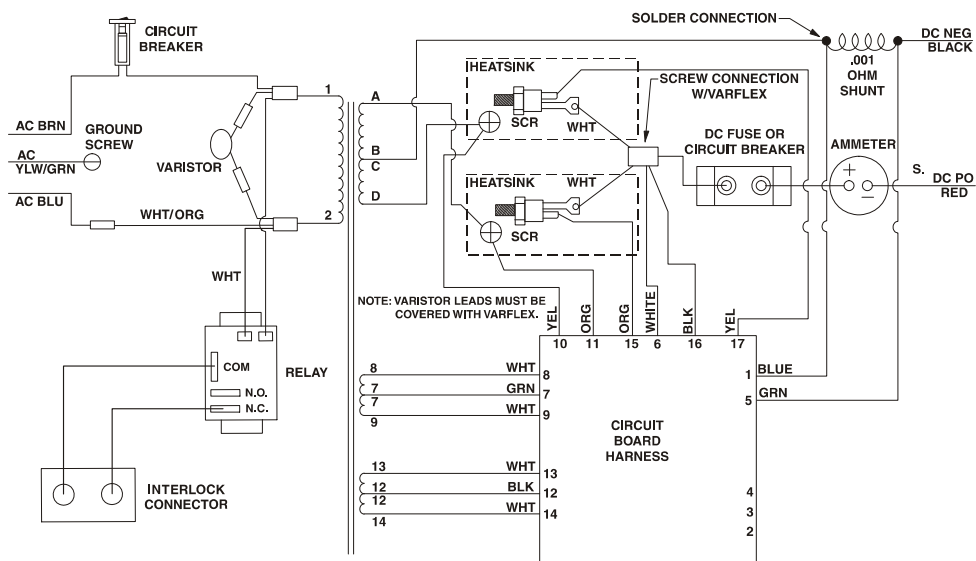
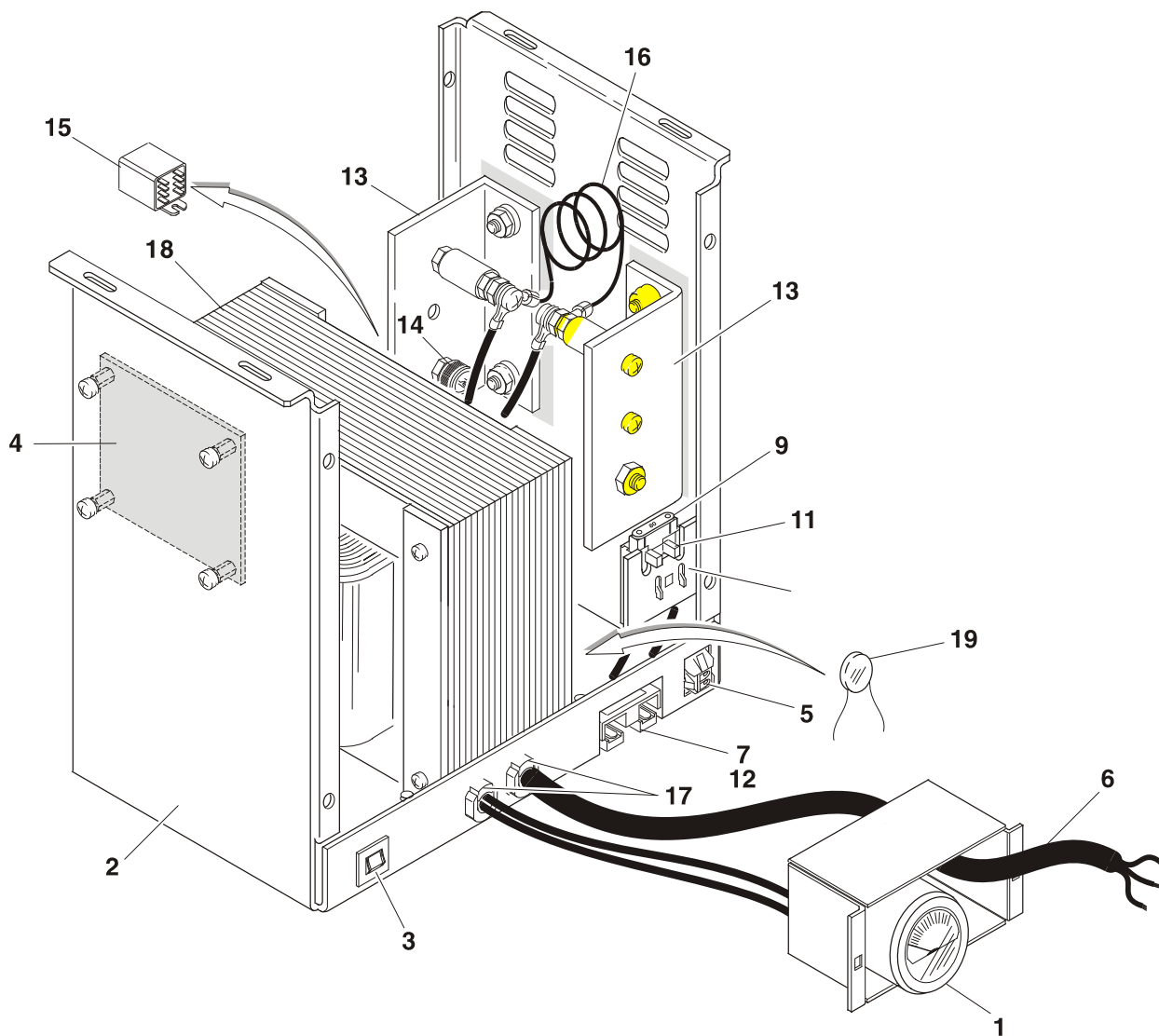
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FIGURE 1-6. BATTERY CHARGER ASSEMBLY (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
21	7020687	Harness, Relay (0400124 Service Replacement Charger Only - Not Shown)	1	

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FIGURE 1-7.BATTERY CHARGER ASSEMBLY - 220VAC/50HZ (SERVICE REPLACEMENT)



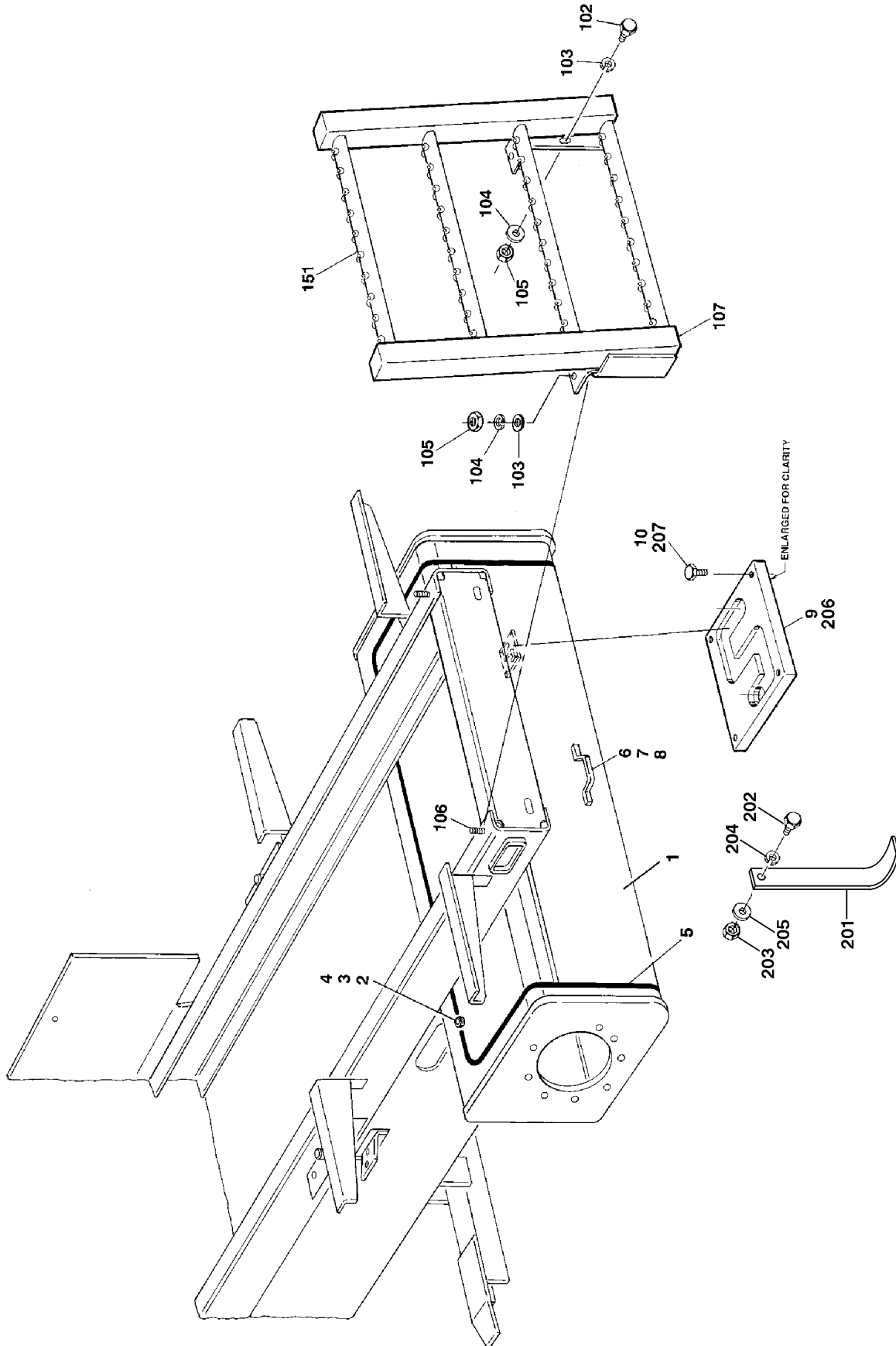
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FIGURE 1-7. BATTERY CHARGER ASSEMBLY - 220VAC/50HZ (SERVICE REPLACEMENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0400198	BATTERY CHARGER ASSEMBLY (SERVICE REPLACEMENT FOR 0400103 & 0400137 BATTERY CHARGERS)	Ref.	—
1	Use 7011573	Ammeter (was p/n 7022915)	1	
2	7022904	Cover Assembly, Case	1	
3	7018525	Breaker, Circuit	1	
4	7022938	Board, Circuit (was p/n 7022934)	1	
5	7011621	Connector	1	
6	7022914	Cord, AC	1	
7	7022916	Cord, DC	1	
8	7018577	Capacitor Assembly (Not Shown)	2	
9	7011593	Fuse, DC - 45 Amp	1	
10	7020658	Harness (Not Shown)	1	
11	7011594	Holder, Fuse - DC	1	
12	7011590	Connector, DC	1	
13	7020649	Recifier Assembly	2	
14	7020650	Recifier (1 Per Assembly)	1	
15	7018563	Relay	1	
16	7020674	Shunt Assembly	1	
17	7011529	Strain Relief	1	
	7020659	Strain Relief	1	
18	Use 7022939	Transformer (was p/n 7022917)	1	
19	7020633	Varistor Assembly	1	

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FIGURE 1-8.FRAME MOUNTED COMPONENTS INSTALLATION



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FIGURE 1-8. FRAME MOUNTED COMPONENTS INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0253995	AXLE COVER INSTALLATION	Ref.	3
1	3538294	Cover	1	
2	3900174	Thumbscrew	4	
3	3760308	Retainer	4	
4	1380138	Clip, Receptacle	4	
5	3960447	Seal	11.5ft./3.5m	
6	2560003	Handle	1	
7	3820020	Rivet	4	
8	4751000	Flatwasher #10	4	
9	3538157	Plate, Drain (Prior to S/N 70891)	2	
10	0791004	Screw #10 x 1/2" (Prior to S/N 70891)	8	
		LADDER INSTALLATION OPTIONS:	Ref.	
	0254459	Model 3369 (Prior to S/N 33424)	Ref.	A
	0257335	Model 3369 (S/N 33424 to Present)	Ref.	4
	0254461	Model 3969 (Prior to S/N 33811)	Ref.	A
	0257334	Model 3969 (S/N 33811 to Present)	Ref.	4
101	Not Used			
102	0641610	Bolt 3/8"-16NC x 1 1/4" (Prior to S/N 56271)	2	
	0641612	Bolt 3/8"-16NC x 1 1/2" (S/N 56271 to Present)	4	
103	4751600	Flatwasher 3/8"	8	
104	4761600	Lockwasher 3/8" (Prior to S/N 55724)	4	
105	3311601	Nut 3/8"-16NC (Prior to S/N 55724)	4	
	3311605	Nut 3/8"-16NC (S/N 55724 to Present)	4	
106	4300034	Stud (Welded on Parts) (Prior to February 1995)	2	
107	3520071	Cap	4	
108 to 150	Not Used			
151		Ladder Options:	1	
	4844636	Model 3369 (Prior to S/N 33424)		
	4845492	Model 3369 (S/N 33424 to S/N 54195)		
	4845916	Model 3369 (S/N 54195 to Present)		
	4844638	Model 3969 (Prior to S/N 33811)		
	4845491	Model 3969 (S/N 33811 to S/N 54195)		
	4845917	Model 3969 (S/N 54195 to Present)		
	0255065	ANTI-STATIC STRAP INSTALLATION	Ref.	2
201	4240084	Strap, Anti-Static	1	
202	0641508	Bolt 5/16"-18NC x 1"	1	
203	3311501	Nut 5/16"-18NC	1	
204	4761500	Lockwasher 5/16"	1	
205	4751500	Flatwasher 5/16"	2	
206	3538157	Plate, Drain (S/N 70891 to Present)	2	
207	0791004	Screw #10 x 1/2" (S/N 70891 to Present)	8	

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FIGURE 1-8. FRAME MOUNTED COMPONENTS INSTALLATION (CONTINUED)

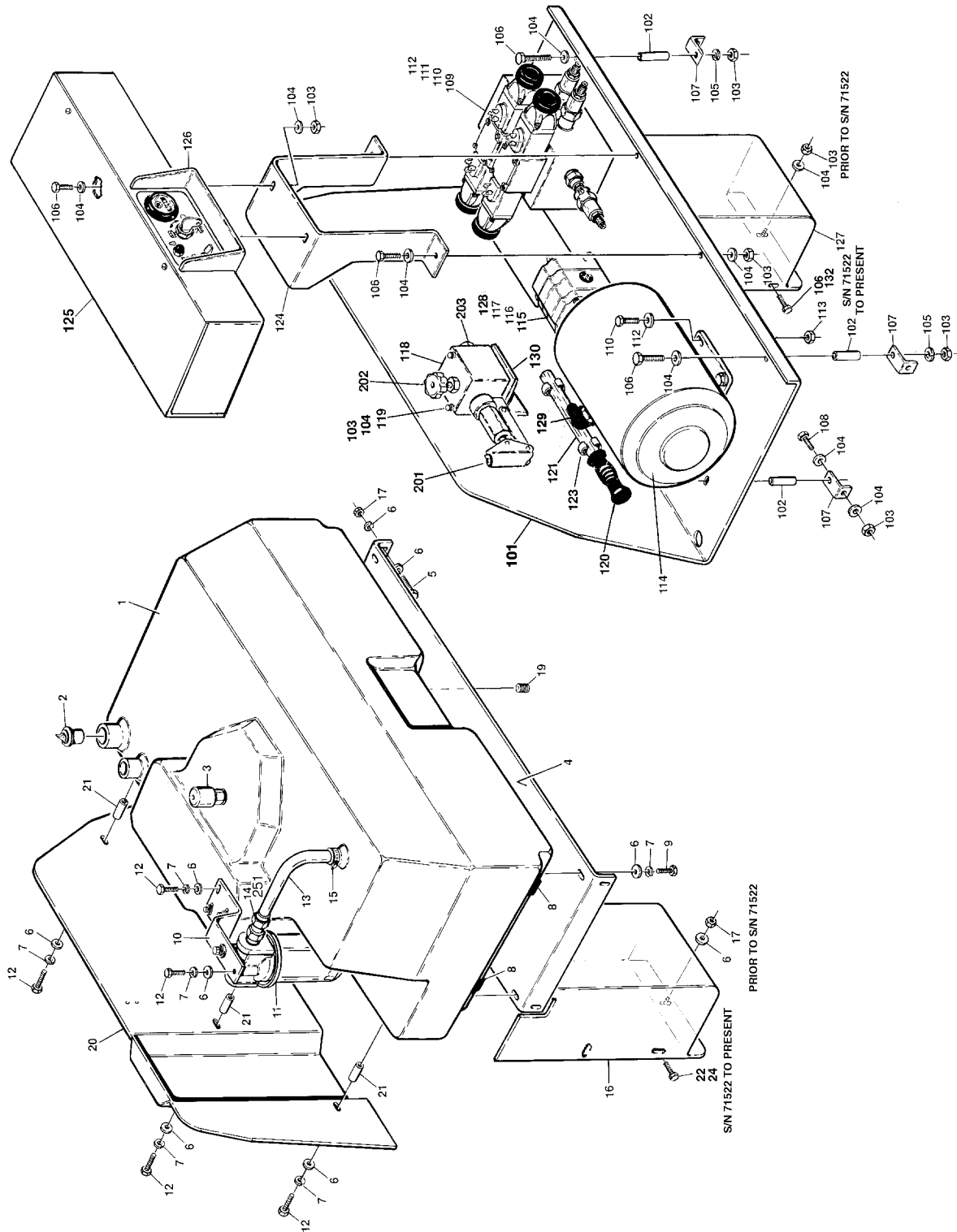
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-1. HYDRAULIC COMPONENTS INSTALLATION



SECTION 2 GROUND COMPONENTS

FIGURE 2-1. HYDRAULIC COMPONENTS INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0254492	HYDRAULIC TANK AND FILTER INSTALLATION	Ref.	4
1	4400358	Tray, Hydraulic	1	
2	3520077	Plug, Fill	1	
3	1340052	Breather	1	
4	3538236	Plate, Support	1	
5	0641408	Bolt 1/4"-20NC x 1"	4	
6	4751400	Flatwasher 1/4"	16	
7	4761400	Lockwasher 1/4"	13	
8	2820064	Insulator, Rubber	4	
9	0641405	Bolt 1/4"-20NC x 5/8"	13	
10	0902034	Bracket, Mounting	1	
11	2120105	Filter Assembly	1	
	2120072	Element, Filter	1	
12	0641404	Bolt 1/4"-20NC x 1/4" (Prior to S/N 39555)	9	
13	4566413	Tube, Return	1	
14	2220347	Fitting, Straight	1	
15	1320033	Clamp, Hose	1	
16		Cover, Hose Options:	1	
	4060866	Prior to S/N 71522		
	4060983	S/N 71522 to Present		
17	3311405	Locknut 1/4"-20NC	4	
18	0100020	Sealant (Not Shown)	A/R	
19	2200053	Plug, Drain (Prior to S/N 50189)	1	
	2200233	Plug, Drain (S/N 50189 to Present)	1	
20	4060867	Cover, Rear	1	
21	3300377	Stand-off	4	
22	0641406	Bolt 1/4"-20NC x 3/4" (S/N 71522 to Present)	2	
23	0100011	Loctite #242 (Not Shown) (S/N 71522 to Present)	A/R	
24	3300353	Nut, Tinnerman (S/N 71522 to Present)	2	
	0254493	HYDRAULIC MOTOR AND VALVE ASSEMBLY (PRIOR TO OCTOBER 1994)	Ref.	C
	0255270	HYDRAULIC MOTOR AND VALVE ASSEMBLY (OCTOBER 1994 TO PRESENT)	Ref.	5
101		Plate, Mounting Options:	1	
	3537654	Prior to October 1994		
	3538736	October 1994 to Present		
102	3300377	Stand-off	4	
103	3311405	Locknut 1/4"-20NC	14	
104	4751400	Flatwasher 1/4"	29	
105	4761400	Lockwasher 1/4"	4	
106	0641406	Bolt 1/4"-20NC x 3/4"	10	
107	0181747	Angle	4	
108	0641408	Bolt 1/4"-20NC x 1"	4	

SECTION 2 GROUND COMPONENTS

FIGURE 2-1. HYDRAULIC COMPONENTS INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
109		Control Valve Options:	1	
	4640860	Valve (Machines Built Prior to September 1994) (See Figure 2-2 for Breakdown)		
	4640915	Valve (Machines Built September 1994 to Present) (See Figure 2-3 for Breakdown)		
110	0641507	5/16"-18NC	10	
111	4761500	Lockwasher 5/16"	4	
112	4751500	Flatwasher 5/16"	18	
113	3311505	Locknut 5/16"-18NC	6	
114	3160194	Motor Assembly	1	
	7023231	Endhead, Drive	1	
	7023479	Armature	1	
	2900811	Repair Kit - 3160194 Motor (Includes Bearing, Brushes, Springs and Wavy Washer)	1	
115	3600220	Pump Assembly (See Figure 2-4 for Breakdown)	1	
116	0641608	Bolt 3/8"-16NC x 1"	2	
117	4761600	Lockwasher 3/8"	2	
118	4640859	Pump Assembly - Manual Descent (See Items 201-203 for Breakdown)	1	
119	0641424	Bolt 1/4"-20NC x 3"	2	
120	2560123	Grip	1	
121	2560122	Handle (Prior to S/N 45740)	1	
	2560155	Handle (S/N 45740 to Present)	1	
122	1380136	Clip, Grip	2	
123	3820019	Rivet	2	
124	0902038	Bracket, Mounting	1	
125		Ground Control Box Assembly Options: (See Figure 2-5 for Breakdown)	1	
	0860889	Prior to October 1994		
	0860969	October 1994 to Present		
126	3537692	Plate, Shield	1	
127		Cover, Hose Options:	1	
	4060866	Prior to S/N 71522		
	4060983	S/N 71522 to Present		
128	4711600	Flatwasher 3/8"	2	
129	0840027	Boot, Terminal (September 1995 to Present)	2	
130		Angle, Valve Mounting Options:	1	
	Not Required	Prior to October 1994		
	0181791	October 1994 to Present		
131	0100011	Loctite #242 (Not Shown) (S/N 71522 to Present)	A/R	
132	3300353	Nut, Tinnerman (S/N 71522 to Present)	2	
	4640859	PUMP ASSEMBLY - MANUAL DESCENT	Ref.	—
201	7012952	Pump Cartridge Assembly	1	
	2900708	Seal Kit	1	
202	7012954	Release Cartridge Assembly	1	
	7012953	Seal Kit - 7012954 Valve	1	
	7012961	Knob	1	

SECTION 2 GROUND COMPONENTS

FIGURE 2-1. HYDRAULIC COMPONENTS INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
203	7012955	Check Cartridge Assembly	1	1
	7012540	Seal Kit - 7012955 Valve	1	
	0257177	PUMP ASSEMBLY - MANUAL DESCENT	Ref.	
251	4641007	Valve, Check 5psi	1	

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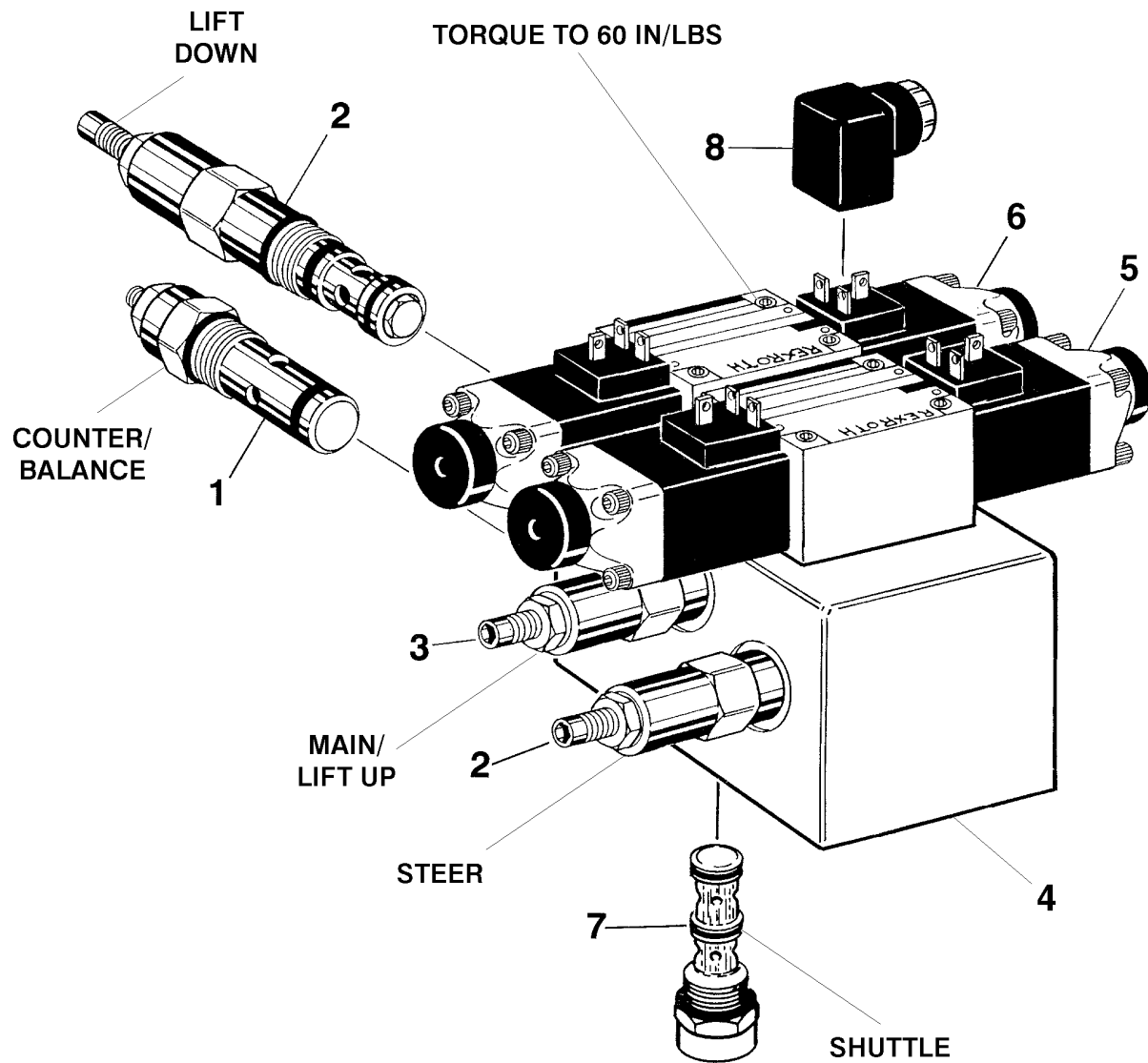
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FIGURE 2-2. CONTROL VALVE ASSEMBLY (PRIOR TO SEPTEMBER 1994)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	4640860	CONTROL VALVE ASSEMBLY (PRIOR TO SEPTEMBER 1994)	Ref.	B
1	7011323	Cartridge (Counterbalance Relief)	1	
	2900770	Seal Kit	1	
2	7012960	Cartridge (Lift Down/Steer Relief)	4	
	2900708	Seal Kit	4	
3	Not Used			
4	Not Serviced	Block	1	
5	4640865	Valve Assembly - Steer	1	
	7012725	Seal Kit	1	
	7012752	Coil	2	
6	4640864	Valve Assembly - Steer	1	
	7012725	Seal Kit	1	
	7012752	Coil	2	
7	Consult Factory	Cartridge (Lift Up Relief)	1	
	7012967	Seal Kit	1	
8	7012591	Cover Assembly	1	

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FIGURE 2-3. CONTROL VALVE ASSEMBLY (SEPTEMBER 1994 TO PRESENT)



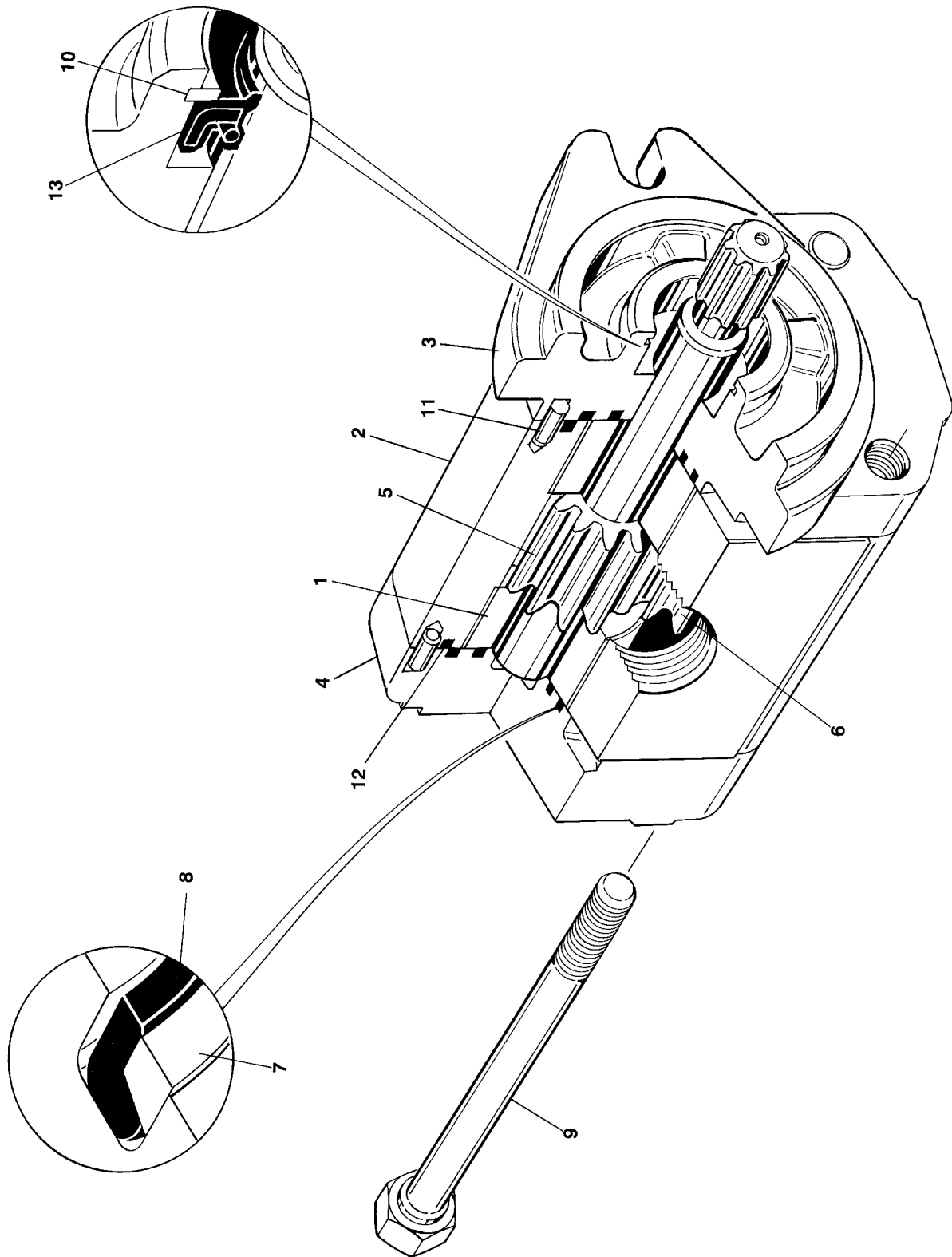
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FIGURE 2-3. CONTROL VALVE ASSEMBLY (SEPTEMBER 1994 TO PRESENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	4640915	CONTROL VALVE ASSEMBLY (SEPTEMBER 1994 TO PRESENT)	Ref.	F
1	7011323	Cartridge, Valve (Counterbalance)	1	
	2900770	Seal Kit	1	
2	7012962	Cartridge, Valve (Steer and Lift Down Relief)	2	
	2900708	Seal Kit	2	
3		Cartridge, Relief Options: (Lift Up and Main)	1	
	See Note	Prior to February 1996 (Note: Use 7017400 in place of original part number 7012963)		
	7017400	February 1996 to Present		
	2900708	Seal Kit - 7012963 and 7017400 Cartridges	1	
4	Not Serviced	Block	1	
5	4640865	Valve Assembly - Steer (Prior to S/N 56599)	1	
	7012725	Seal Kit	1	
	7012752	Coil	2	
	4641088	Valve Assembly - Steer (S/N 56599 to Present)	1	
	7012773	Seal Kit	1	
	7021321	Coil	2	
6	4640864	Valve Assembly - Lift (Prior to S/N 56599)	1	
	7012725	Seal Kit	1	
	7012752	Coil	2	
	4641087	Valve Assembly - Lift (S/N 56599 to Present)	1	
	7012773	Seal Kit	1	
	7021321	Coil	2	
7	7010542	Cartridge, Shuttle	1	
	7010543	Seal Kit	1	
8	4460499	Plug (Supplied with Harness)	4	
	0253647	PRESSURE CHECK INSTALLATION (NOT SHOWN)	Ref.	2
	2220466	Fitting, 90°	1	
	2751394	Hose	1	
	2220414	Fitting, Straight	1	
	2220428	Fitting, Quick Disconnect	1	
	2220429	Cap, Quick Disconnect	1	

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FIGURE 2-4. PUMP ASSEMBLY



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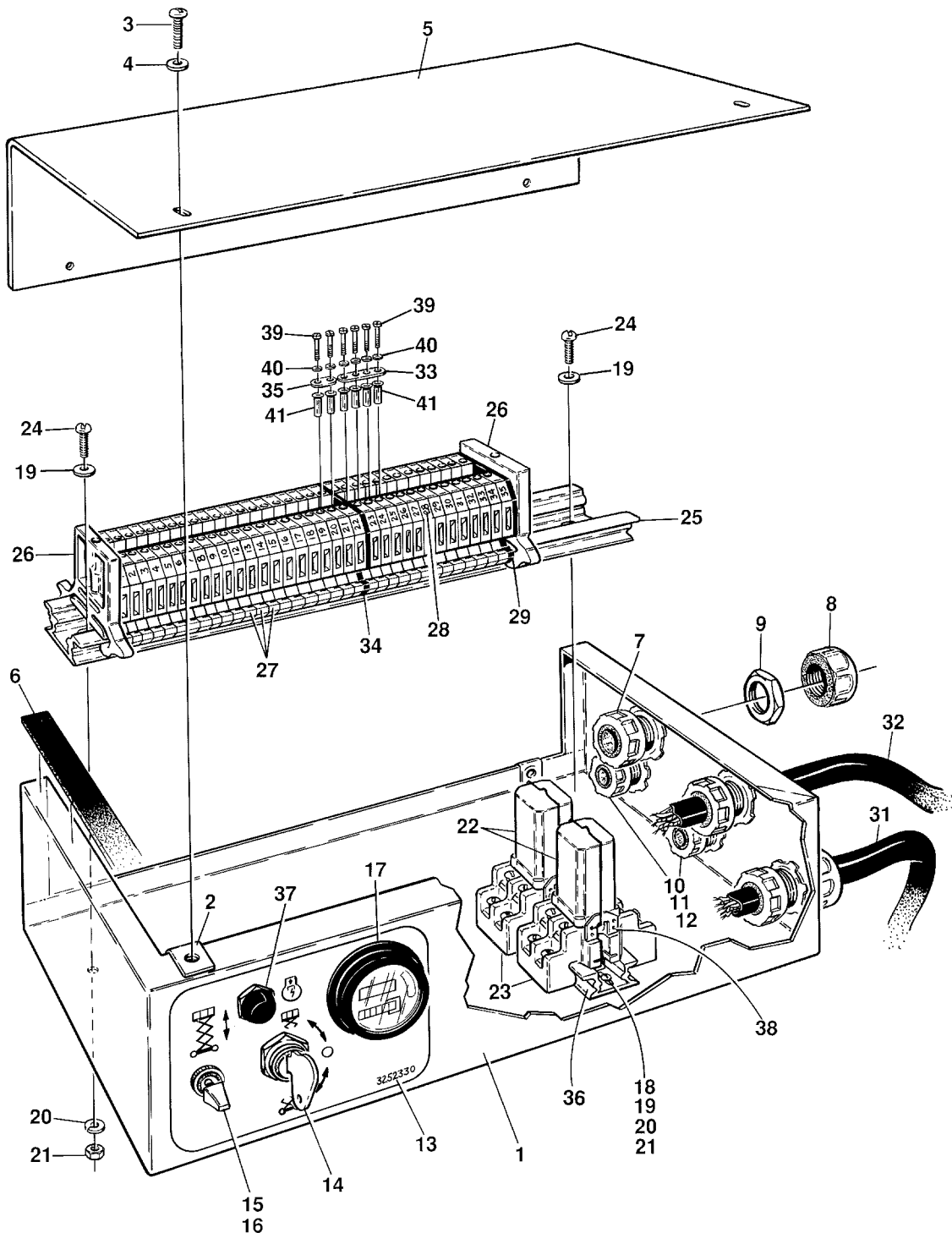
FIGURE 2-4. PUMP ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	3600220	PUMP ASSEMBLY	Ref.	—
1	7010102	Bearing	2	
2	Not Serviced	Housing	1	
3	7010100	Flange, Front	1	
4	7010103	Cover	1	
5	7010101	Gear, Drive	1	
6	7007299	Gear, Idle	1	
7	Kit	Ring, Anti-Extrusion	2	
8	Kit	Seal, Pressure	2	
9	Not Serviced	Bolt	4	
10	7010104	Ring, Snap	1	
11	Not Serviced	Pin, Dowel	4	
12	Kit	Seal, Outer	2	
13	7007298	Seal, Shaft	1	

	7007489	Seal Kit - 3600220 Pump (Includes Items 7,8,12 and 13)	1	

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FIGURE 2-5. GROUND CONTROL BOX ASSEMBLY (PRIOR TO OCTOBER 1994)



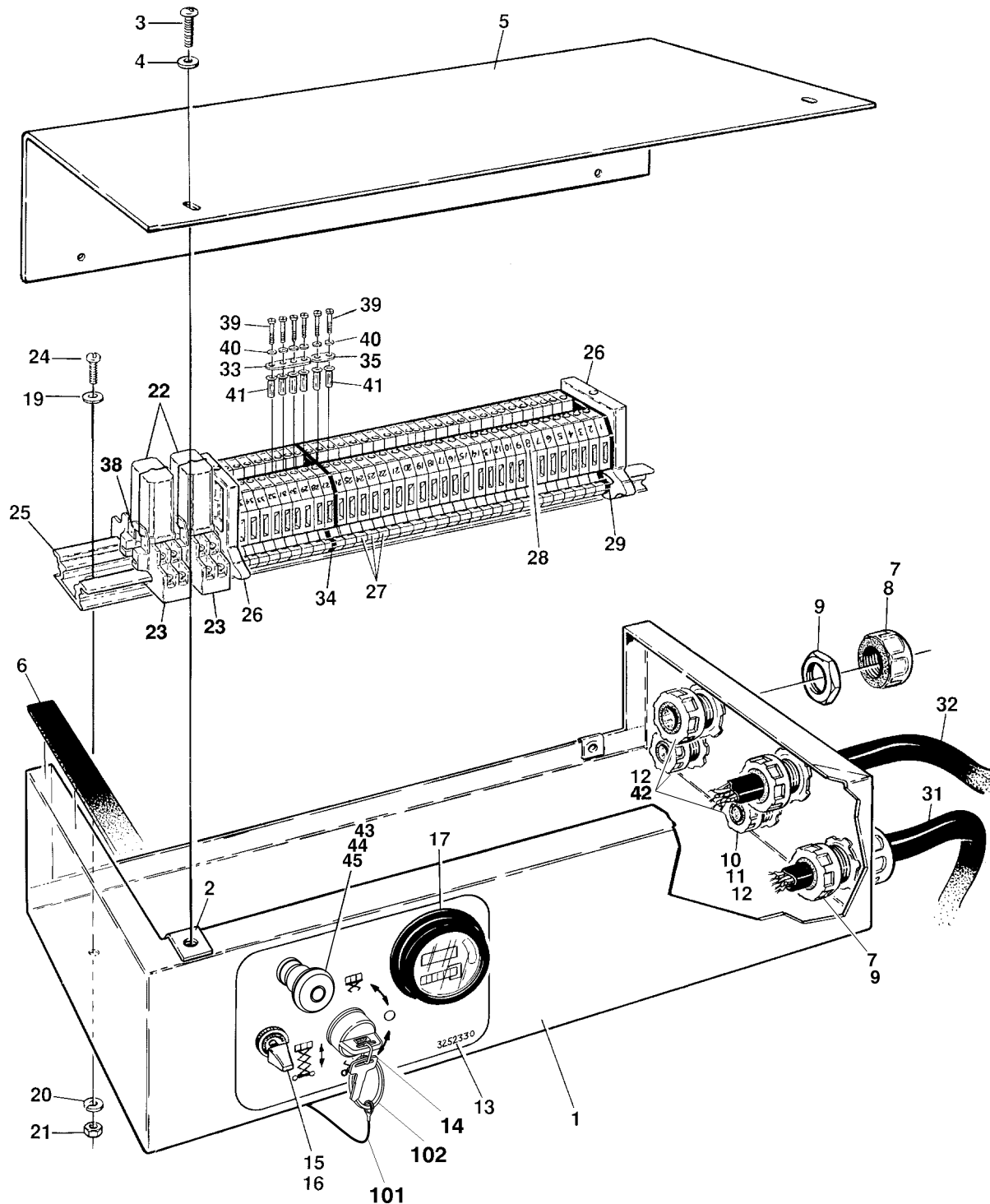
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FIGURE 2-5. GROUND CONTROL BOX ASSEMBLY (PRIOR TO OCTOBER 1994)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0860889	GROUND CONTROL BOX ASSEMBLY (PRIOR TO OCTOBER 1994)	Ref.	B
		Note; When replacing complete ground control box use p/n 0860969. See next figure for Service Replacement.	Ref.	
1	0860890	Box	1	
2	3300177	Nut, Tinnerman	4	
3	0750806	Screw, Self-Tap #8 x 3/4"	4	
4	4740120	Washer, Nylon	4	
5	0860891	Lid, Box	1	
6	4420037	Strip, Rubber	52in/1.3m	
7	4460052	Connector, Strain Relief	3	
8	0960239	Bushing	3	
9	3300047	Locknut, Conduit	3	
10	4460071	Connector, Strain Relief	2	
11	0960238	Bushing	2	
12	3300048	Locknut, Conduit	2	
13	3252330	Nameplate	1	
14	4360346	Switch, Key	1	
	7012587	Keys, Replacement	1 Set	
15	4360314	Switch, Toggle	1	
16	3790012	O-Ring	1	
17	2420106	Gauge, Hourmeter	1	
18	3910608	Screw #6-32NC x 1/2"	3	
19	4750600	Flatwasher #6	5	
20	4760600	Lockwasher #6	5	
21	3310601	Nut #6-32NC	5	
22	3740087	Relay	2	
23	4120027	Socket	2	
24	3910606	Screw #6-32NC x 3/8"	2	
25	3640492	Strip, Terminal	1	
26	4460299	Stop, Terminal	2	
27	4460298	Block, Terminal	32	
28	4460301	Strip, Terminal Marking	1	
29	4460300	Barrier, Terminal	2	
30	Not Used			
31	4921700	Harness - Ground Control Box to Control Module	1	
32	4921666	Harness - Ground Control Box to Valves	1	
33	4460100	Bar, Buss	1	
34	4460300	Barrier, Terminal	1	
35	4460308	Bar, Buss	1	
36	3640986	Rail, Mounting	1	
37	4360274	Switch, Push Button	1	
38	3740063	Clip, Relay	2	
39	4460305	Screw, Terminal	6	
40	4460306	Washer, Terminal	6	
41	4460307	Sleeve, Terminal	6	

SECTION 2 GROUND COMPONENTS

FIGURE 2-6. GROUND CONTROL BOX ASSEMBLY (OCTOBER 1994 TO PRESENT)



SECTION 2 GROUND COMPONENTS

FIGURE 2-6. GROUND CONTROL BOX ASSEMBLY (OCTOBER 1994 TO PRESENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0860969	GROUND CONTROL BOX ASSEMBLY (OCTOBER 1994 TO PRESENT)	Ref.	4
1		Box Options:	1	
	0860970	Box (Prior to S/N 53019)		
	0861246	Box (S/N 53019 to S/N 66901)		
	0861312	Box (S/N 66901 to S/N 71506)		
	0861342	Box (S/N 71506 to Present)		
2	3300177	Nut, Tinnerman	4	
3	0750806	Screw, Self-Tap #8 x 3/4"	4	
4	4740120	Washer, Nylon	4	
5	0860971	Lid, Box	1	
6	4420037	Strip, Rubber	52in/1.3m	
7		Connector, Strain Relief Options:	A/R	
	4460052	Prior to S/N 71506	3	
	4460052	S/N 71506 to Present	1	
8	0960239	Bushing (Prior to S/N 71506)	3	
9		Locknut, Conduit Options:	A/R	
	3300047	Prior to S/N 71506	3	
	3300047	S/N 71506 to Present	1	
10	4460071	Connector, Strain Relief (Prior to S/N 71506)	1	
11	0960238	Bushing (Prior to S/N 71506)	2	
12	3300048	Locknut, Conduit	3	
13		Nameplate Options:	1	
	3252330	Prior to S/N 71506		
	3252666	S/N 71506 to Present		
14	4360346	Switch, Key (Prior to S/N 71506)	1	
	7012587	Keys, Replacement	1 Set	
	4360473	Switch, Key (S/N 71506 to Present)	1	
	2860030	Keys, Replacement	1 Set	
15	4360314	Switch, Toggle	1	
16	3790012	O-Ring	1	
17	2420106	Gauge, Hourmeter	1	
18	Not Used			
19	4750600	Flatwasher #6	2	
20	4760600	Lockwasher #6	2	
21	3310601	Nut #6-32NC	2	
22	3740087	Relay (Std Qty 2/With Options Qty 3 or 4)	A/R	
23	4120027	Socket (Std Qty 2/With Options Qty 3 or 4)	A/R	
24	3910606	Screw #6-32NC x 3/8"	2	
25	3640865	Strip, Terminal (Prior to S/N 53228)	1	
	3641308	Strip, Terminal (S/N 53228 to Present)	1	
26	4460299	Stop, Terminal	2	
27	4460298	Block, Terminal	36	
28	4460301	Strip, Terminal Marking	1	
29	4460300	Barrier, Terminal	2	
30	Not Used			
31	4921700	Harness - Ground Control Box to Control Module	1	

SECTION 2 GROUND COMPONENTS

FIGURE 2-6. GROUND CONTROL BOX ASSEMBLY (OCTOBER 1994 TO PRESENT) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
32	4921666	Harness - Ground Control Box to Valves	1	
33	4460310	Bar, Buss	1	
34	4460300	Barrier, Terminal	1	
35	4460308	Bar, Buss	1	
36	Not Used			
37	4360274	Switch, Push Button (Prior to S/N 71506)	1	
38	3740063	Clip, Relay (Std Qty 2/With Options Qty 3 or 4)	A/R	
39	4460305	Screw, Terminal	8	
40	4460306	Washer, Terminal	8	
41	4460307	Sleeve, Terminal	8	
42		Connector, Strain Relief Options:	A/R	
	4460051	Prior to S/N 71506	1	
	4460051	S/N 71506 to Present	3	
43	4360282	EMS, Contact Block (S/N 71506 to Present)	1	
44	4740066	Washer, Thrust (S/N 71506 to Present)	1	
45	4360475	Switch, E-Stop (S/N 71506 to Present)	1	
	7020175	Cap/E-Stop With Seal	1	
	7020176	Contact Block W/Mount	1	
	0255253	KEY ATTACH LANYARD (OPTIONAL)	Ref.	A
101	1060380	Cable, Lanyard	1	
102	3760170	Ring	1	

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FIGURE 2-6. GROUND CONTROL BOX ASSEMBLY (OCTOBER 1994 TO PRESENT) (CONTINUED)

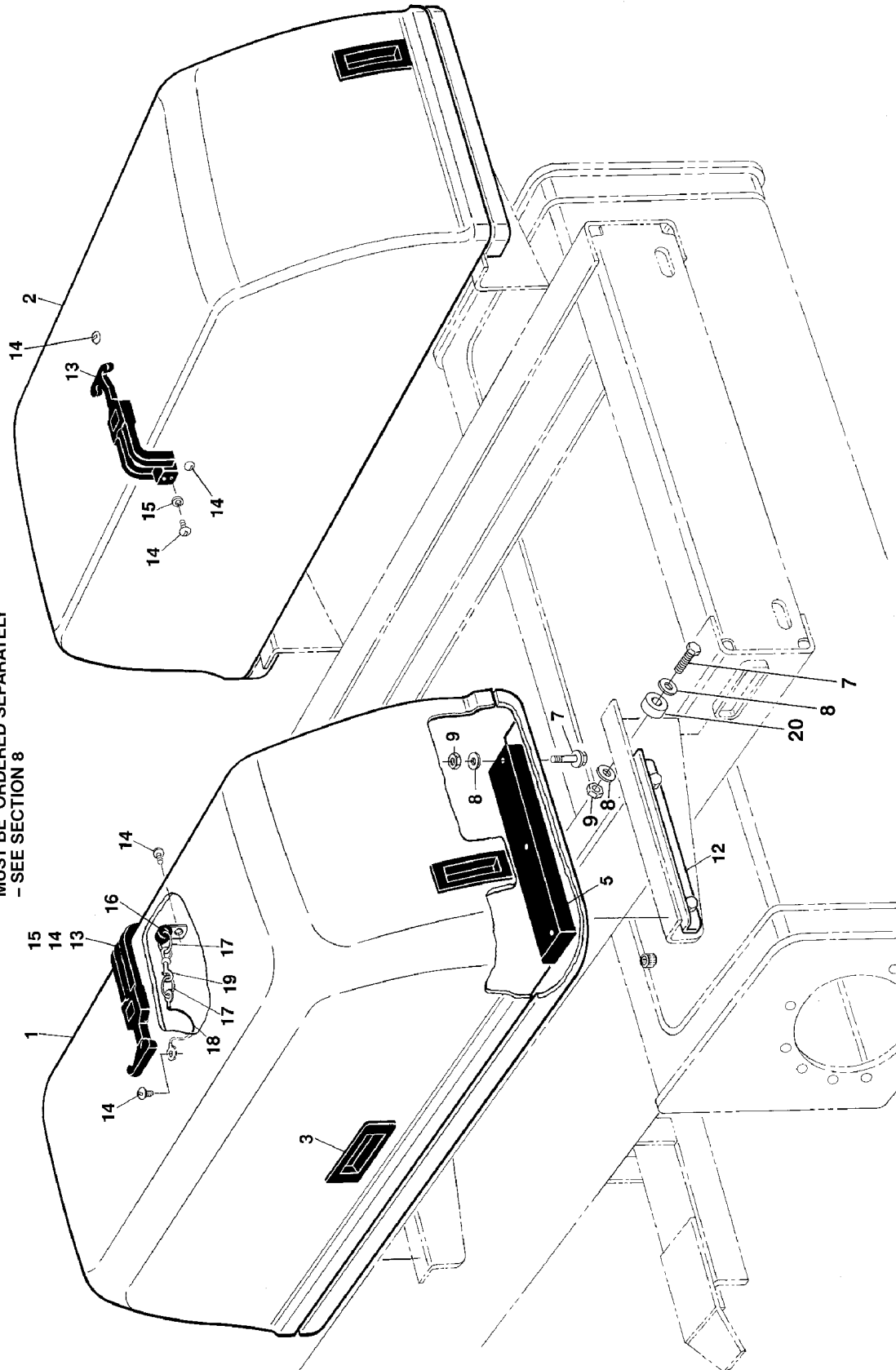
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-7. COVERS INSTALLATION

NOTE: REPLACEMENT DECALS
MUST BE ORDERED SEPARATELY
- SEE SECTION 8



SECTION 2 GROUND COMPONENTS

FIGURE 2-7. COVERS INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0254494	COVERS INSTALLATION	Ref.	4
1	4060868	Cover (Left Side)	1	
2	4060869	Cover (Right Side)	1	
3	2560124	Handle, Pull	4	
4	Not Used			
5	3340747	Pad, Slide	4	
6	Not Used			
7	0641410	Bolt 1/4"-20NC x 1 1/4"	16	
8	4751400	Flatwasher 1/4" (Wide)	32	
9	3311405	Locknut 1/4"-20NC	16	
10	Not Used			
11	Not Used			
12	0181742	Angle, Slide Mount	4	
13	2940080	Latch	2	
14	3911008	Screw, Round Head #10-24NC x 1/2"	6	
15	4761000	Lockwasher #10	6	
16	1320136	Clamp	2	
17	3760170	Ring	4	
18	1060379	Lanyard	2	
19	2940065	Latch	2	
20	3860090	Roller, Stop (S/N 71522 to Present)	4	

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FIGURE 2-7. COVERS INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

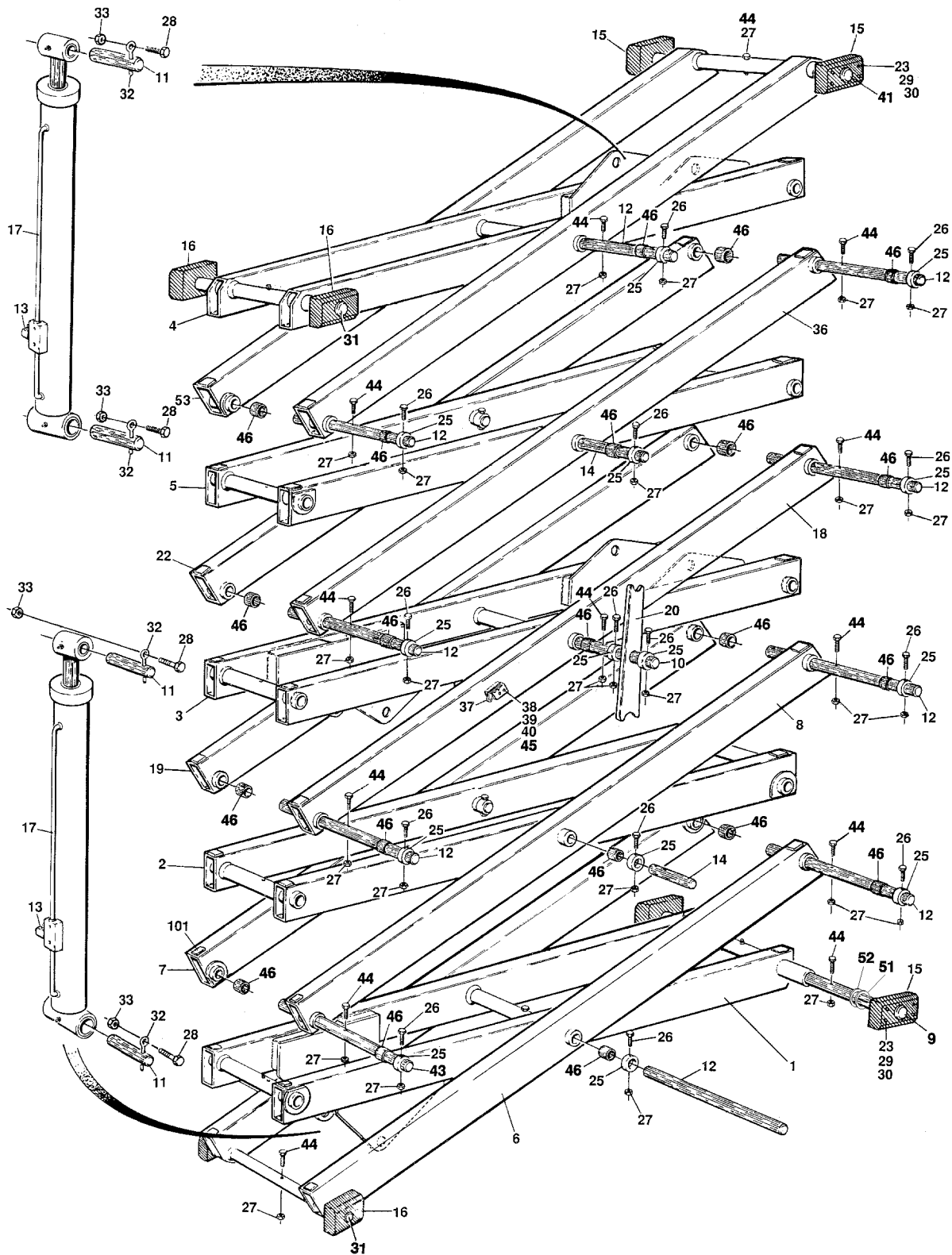
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SECTION 3 SCISSOR ARMS

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FIGURE 3-1. SCISSOR ARMS INSTALLATION - MODEL 3369



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SECTION 3 SCISSOR ARMS

FIGURE 3-1. SCISSOR ARMS INSTALLATION - MODEL 3369

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0254239	SCISSOR ARMS INSTALLATION - STANDARD	Ref.	11
	0255553	SCISSOR ARMS INSTALLATION - CSA	Ref.	8
1	0200495	Arm Weldment (Lower Inboard)	1	
2	0200496	Arm Weldment (2nd Inboard)	1	
3	0200497	Arm Weldment (3rd Inboard)		
4	0200521	Arm Weldment (Top Inboard)	1	
5	0200523	Arm Weldment (4nd Inboard)	1	
6	0200500	Arm Weldment (Lower and Top Outboard)	1	
7	0200501	Arm Weldment (2nd Outboard Left Side)	1	
8	0200502	Arm Weldment (2nd Outboard Right Side)	1	
9	3422199	Pin, Pivot	1	
10	3422200	Pin, Pivot	1	
11	3422201	Pin, Cylinder Attach	4	
12	3422202	Pin, Pivot	9	
13	4640381	Holding Valve Assembly	2	
	7000644	Coil (Hydraforce Version)	A/R	
	7004334	Coil (Modular Controls Version)	A/R	
	2900756	Seal Kit (Hydraforce Version)	A/R	
	2900503	Seal Kit (Modular Controls Version)	A/R	
14	3422204	Pin, Pivot	4	
15	3340669	Pad, Sliding (Bolt On)	4	
16	3340675	Pad, Sliding (Pivoting)	4	
17	1682935	Lift Cylinder Assembly (See Section 5 for Breakdown)	2	
18	0200503	Arm Weldment (3rd Outboard Right Side)	1	
19	0200504	Arm Weldment (3rd Outboard Left Side)	1	
20	3538343	Prop, Safety	2	
	4844380	Prop, Safety (S/N's 11657, 12289 and 12651 Only)	2	
21	Not Used			
22	0200522	Arm Weldment (4th Outboard Left Side)	1	
23	4751600	Flatwasher 3/8"	32	
24	0961756	Bushing, Spacer (S/N's 11657, 12289 and 12651 Only) (Not Shown - Located at Item 20)	2	
25	1440227	Collar	28	
26	0641528	Bolt 5/16"-18NC x 3 1/2"	28	
27	3311505	Locknut 5/16"-18NC	47	
28	0630471	Bolt, Special	4	
29	0641624	Bolt 3/8"-16NC x 3"	16	
30	3311605	Locknut 3/8"-16NC	18	
31	3422275	Pin, Pivot	2	
32	3841203	Pin, Keeper	4	
33	3311805	Locknut 1/2"-13NC	4	
34	0232139	Lock, Prop (Right Side) (S/N's 11657, 12289 and 12651 Only) (Not Shown - Located at Item 20)	1	
35	0232140	Lock, Prop (Left Side) (S/N's 11657, 12289 and 12651 Only) (Not Shown - Located at Item 20)	1	
36	0200524	Arm Weldment (4th Outboard Right Side)	1	
37	2940081	Latch	2	
38	0641405	Bolt 1/4"-20NC x 5/8"	8	

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FIGURE 3-1. SCISSOR ARMS INSTALLATION - MODEL 3369 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
39	4751400	Flatwasher 1/4"	8	
40	4761400	Lockwasher 1/4"	8	
41	3422416	Pin, Pivot	1	
42	Not Used			
43	3422202	Pin, Pivot - Standard	1	
	3422473	Pin, Pivot - CSA	1	
44	0641526	Bolt 5/16"-18NC x 3 1/4"	19	
45	0902156	Bracket	2	
46	0961664	Bushing, Gar-Max	26	
47	1320061	Clamp, Cable (Not Shown) (Prior to S/N 68667)	8	
48	4300038	Stud (Welded on Part) (Not Shown) (Prior to S/N 68667)	8	
49	4761500	Lockwasher 5/16" (Not Shown) (Prior to S/N 68667)	8	
50	3311501	Nut 5/16"-18NC (Not Shown) (Prior to S/N 68667)	8	
51	4070964	Shim (S/N 37453 to Present)	2	
52	4740229	Shims, Washer (S/N 37453 to Present)	2	
53	0200697	Arm Weldment (Top Outboard)	1	
	2901327	Sizzor Arms Kit (Includes Items 1-8, 18, 19, 20, 22, 36 and 53)	1	3
	0252588	ARM PADS INSTALLATION	Ref.	3
101	3340645	Pad (Prior to S/N 47469)	32	
	3340841	Pad (S/N 47469 to S/N 53856)	32	
	3340848	Pad (S/N 53856 to Present)	32	
	0257362	PLATFORM CONTROL BOX CABLE ROUTING INSTALLATION (NOT SHOWN) (S/N 31253 TO PRESENT)	Ref.	1
151	4240033	Strap, Tie	8	
	1320061	Clamp	11	
	0641508	Bolt 5/16"-18NC x 1"	10	
	4751500	Flatwasher 5/16"	20	
	3311505	Locknut 5/16"-18NC	10	

SECTION 3 SCISSOR ARMS

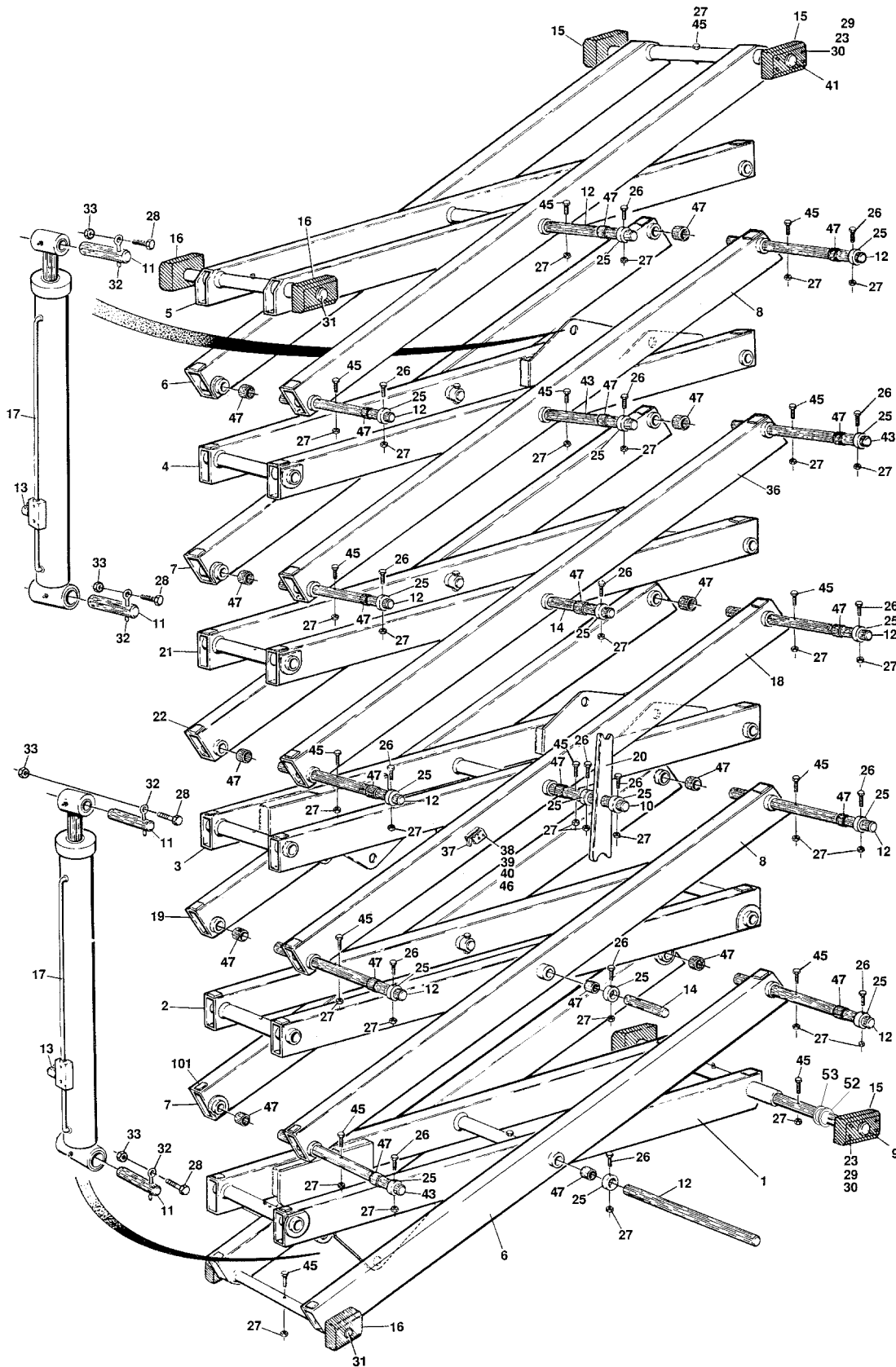
FIGURE 3-1. SCISSOR ARMS INSTALLATION - MODEL 3369 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 3-2. SCISSOR ARMS INSTALLATION - MODEL 3969



SECTION 3 SCISSOR ARMS

FIGURE 3-2. SCISSOR ARMS INSTALLATION - MODEL 3969

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0253761	SCISSOR ARMS INSTALLATION - STANDARD	Ref.	12
	0255554	SCISSOR ARMS INSTALLATION - CSA	Ref.	8
1	0200495	Arm Weldment (Lower Inboard)	1	
2	0200496	Arm Weldment (2nd Inboard)	1	
3	0200497	Arm Weldment (3rd Inboard)		
4	0200498	Arm Weldment (5th Inboard)	1	
5	0200499	Arm Weldment (Top Inboard)	1	
6	0200500	Arm Weldment (Lower and Top Outboard)	2	
7	0200501	Arm Weldment (2nd and 5th Outboard Left Side)	2	
8	0200502	Arm Weldment (2nd and 5th Outboard Right Side)	2	
9	3422199	Pin, Pivot	1	
10	3422200	Pin, Pivot	1	
11	3422201	Pin, Cylinder Attach	4	
12	3422202	Pin, Pivot	10	
13	4640381	Holding Valve Assembly	2	
	7000644	Coil (Hydraforce Version)	A/R	
	7004334	Coil (Modular Controls Version)	A/R	
	2900756	Seal Kit (Hydraforce Version)	A/R	
	2900503	Seal Kit (Modular Controls Version)	A/R	
14	3422204	Pin, Pivot	4	
15	3340669	Pad, Sliding (Bolt On)	4	
16	3340675	Pad, Sliding (Pivoting)	4	
17	1682935	Lift Cylinder Assembly (See Section 5 for Breakdown)	2	
18	0200503	Arm Weldment (3rd Outboard Right Side)	1	
19	0200504	Arm Weldment (3rd Outboard Left Side)	1	
20	3538343	Prop, Safety	2	
	4844380	Prop, Safety (S/N's 11657, 12289 and 12651 Only)	2	
21	0200523	Arm Weldment (4th Inboard)	1	
22	0200522	Arm Weldment (4th Outboard Left Side)	1	
23	4751600	Flatwasher 3/8"	32	
24	0961756	Bushing, Spacer (S/N's 11657, 12289 and 12651 Only) (Not Shown - Located at Item 20)	2	
25	1440227	Collar	34	
26	0641528	Bolt 5/16"-18NC x 3 1/2"	56	
27	3311505	Locknut 5/16"-18NC	56	
28	0630471	Bolt, Special	4	
29	0641624	Bolt 3/8"-16NC x 3"	16	
30	3311605	Locknut 3/8"-16NC	18	
31	3422275	Pin, Pivot	2	
32	3841203	Pin, Keeper	4	
33	3311805	Locknut 1/2"-13NC	4	
34	0232139	Lock, Prop (Right Side) (S/N's 11657, 12289 and 12651 Only) (Not Shown - Located at Item 20)	1	
35	0232140	Lock, Prop (Left Side) (S/N's 11657, 12289 and 12651 Only) (Not Shown - Located at Item 20)	1	
36	0200524	Arm Weldment (4th Outboard Right Side)	1	
37	2940081	Latch	2	
38	0641405	Bolt 1/4"-20NC x 5/8"	8	

SECTION 3 SCISSOR ARMS

FIGURE 3-2. SCISSOR ARMS INSTALLATION - MODEL 3969 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
39	4751400	Flatwasher 1/4"	8	
40	4761400	Lockwasher 1/4"	8	
41	3422416	Pin, Pivot	1	
42	Not Used			
43	3422202	Pin, Pivot - Standard	3	
	3422473	Pin, Pivot - CSA	3	
44	Not Used			
45	0641526	Bolt 5/16"-18NC x 3 1/4"	19	
46	0902156	Bracket	2	
47	0961664	Bushing, Gar-Max	26	
48	1320061	Clamp, Cable (Not Shown) (Prior to S/N 68667)	8	
49	4300038	Stud (Welded on Part) (Not Shown) (Prior to S/N 68667)	8	
50	4761500	Lockwasher 5/16" (Not Shown) (Prior to S/N 68667)	8	
51	3311501	Nut 5/16"-18NC (Not Shown) (Prior to S/N 68667)	8	
52	4070964	Shim (S/N 37453 to Present)	2	
53	4740229	Shims, Washer (S/N 37453 to Present)	2	
	2901326	Sizzor Arms Kit (Includes Items 1-8, 18, 19-22 and 36)	1	
	0254475	ARM PADS INSTALLATION	Ref.	3
101	3340645	Pad (Prior to S/N 47469)	40	
	3340841	Pad (S/N 47469 to S/N 53856)	40	
	3340848	Pad (S/N 53856 to Present)	40	
	0257363	PLATFORM CONTROL BOX CABLE ROUTING INSTALLATION (NOT SHOWN) (PRIOR TO S/N 68667)	Ref.	1
151	4240033	Strap, Tie	8	
	1320061	Clamp	13	
	0641508	Bolt 5/16"-18NC x 1"	12	
	4751500	Flatwasher 5/16"	24	
	3311505	Locknut 5/16"-18NC	12	
	0259832	PLATFORM CONTROL BOX CABLE ROUTING INSTALLATION (NOT SHOWN) (S/N 68667 TO PRESENT)	Ref.	1
151	1320061	Clamp	7	
	0641408	Bolt 1/4"-20NC x 1"	7	
	4711400	Flatwasher 1/4"	14	
	3311405	Locknut 1/4"-20NC	7	
	4240033	Strap, Tie	8	

SECTION 4 PLATFORM

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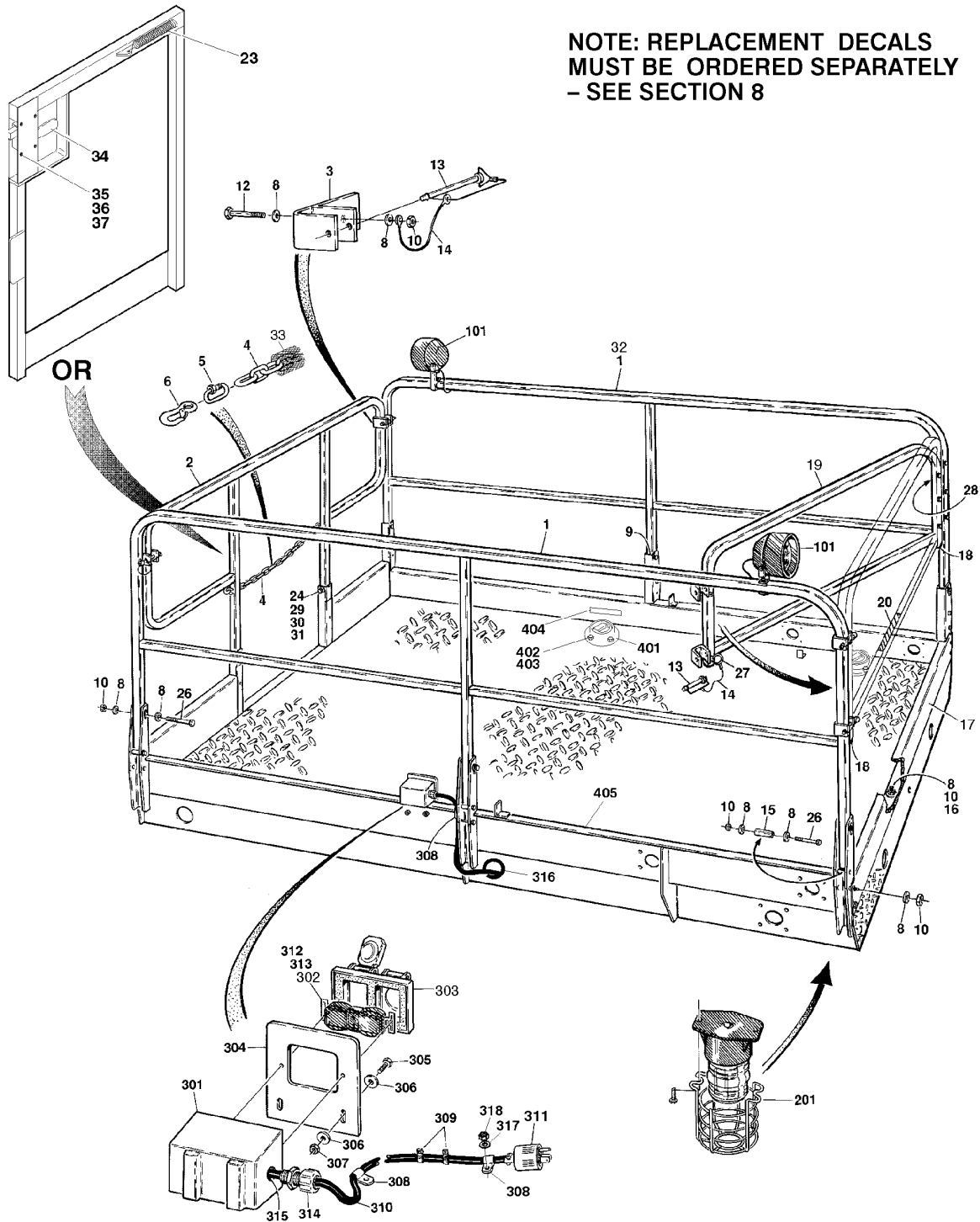
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SECTION 4 PLATFORM

FIGURE 4-1.PLATFORM COMPONENTS INSTALLATION

OPTIONAL
SWING GATE

NOTE: REPLACEMENT DECALS
MUST BE ORDERED SEPARATELY
- SEE SECTION 8



SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	3510410	PLATFORM WELDMENT	1	
		HANDRAIL INSTALLATION OPTIONS:	Ref.	
	0253938	Handrails Without Extension	Ref.	11
	0253937	Handrails With Extension	Ref.	10
	0256365	Handrails With Extension and Safety Attach (S/N 22653 to S/N 50299)	Ref.	2
	0257361	Handrails With Swing Gate (S/N 33811 to Present)	Ref.	4
1		Rail Weldment - Side Options:		
	3640857	Rail Weldment - Side	2	
	3641128	Rail Weldment With Safety Attach - Right Side	1	
2		Rail Weldment - Rear Options:	1	
	3640859	Rail Weldment - Rear		
	4845494	Rail Weldment With Swing Gate - Rear		
3	0901870	Bracket	2	
4	1260136	Chain	2ft./61cm	
5	3010088	Link	2	
6	Use 1001101076	Snap-Hook (Includes Item #5) (was p/n 2940064)	1	
7	Not Used			
8	4711400	Flatwasher 1/4" Narrow	A/R	
9	4420055	Tape	1ft./31cm	
10	3311405	Locknut 1/4"-20NC	A/R	
11	Not Used			
12	0641416	Bolt 1/4"-20NC x 2"	2	
13	3422219	Spring Pin	A/R	
14	1060379	Cable, Lanyard	A/R	
15	0961845	Bushing	6	
16	0641406	Bolt 1/4"-20NC x 3/4"	A/R	
17		Kick Plate Options:	1	
	3536936	Kick Plate With Out Extension		
	Not Required	Kick Plate With Extension		
	Not Required	Kick Plate With Extension and Safety Attach		
	Not Required	Kick Plate With Swing Gate		
18	3520072	Plug, Cap	A/R	
19		Rail Weldment - Front Options:	1	
	3640858	Rail Weldment With Out Extension		
	Not Required	Rail Weldment With Extension		
	Not Required	Rail Weldment With Extension and Safety Attach		
	Not Required	Rail Weldment With Swing Gate		
20	3252234	Decal (Prior to S/N 69694)	1	
21	Not Used			
22	Not Used			
23	4160028	Spring (Machines With Swing Gate Option Only)	1	
24	4751500	Flatwasher 5/16"	4	
25	Not Used			

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FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
26	0641420	Bolt 1/4"-20NC x 2 1/2"	12	
27		Ring Options:	A/R	
	3760170	Ring		
	Not Required	Ring, Machine With Extension and Safety Attach		
	Not Required	Ring, Machine With Swing Gate		
28		Hinge Options:	1	
	2600201	Hinge With Out Extension		
	Not Required	Hinge With Extension		
	2600201	Hinge With Extension and Safety Attach		
	Not Required	Hinge With Swing Gate		
29	4740411	Washer, Nylon	20	
30	3300375	Nut, Binding	2	
31	3900184	Screw, Special	2	
32	3641129	Rail Weldment - Left Side (Machine With Extension and Safety Attach Only)	1	
33	2820097	Mesh Tubing	2ft./61cm	
34	2940074	Latch (Machines With Swing Gate Option Only)	1	
35	3911014	Screw #10-24NC x 7/8" (Machines With Swing Gate Option Only)	4	
36	3311005	Locknut #10-24NC (Machines With Swing Gate Option Only)	4	
37	4751000	Flatwasher #10 (Machines With Swing Gate Option Only)	4	
38	0100011	Loctite #242 (Not Shown)	A/R	
	0254828	WORKLIGHTS INSTALLATION - 3369 (OPTIONAL)	Ref.	B
	0254829	WORKLIGHTS INSTALLATION - 3969 (OPTIONAL)	Ref.	2
101	2920095	Worklight	2	
	1060341	Cable, Electrical - 16-2	A/R	
	0901930	Bracket	2	
	0641416	Bolt 1/4"-20NC x 2"	2	
	3311405	Locknut 1/4"-20NC	2	
	4240033	Strap, Tie	14	
	0255032	BEACON LIGHT INSTALLATION - 3369 (OPTIONAL)	Ref.	A
	0255034	BEACON LIGHT INSTALLATION - 3969 (OPTIONAL)	Ref.	A
201	4060865	Shield, Cage	1	
	2920119	Light, Beacon (Prior to S/N 23604)	1	
	7016319	Bulb, Flash Tube	1	
	7016320	Lens, Amber	1	
	2920146	Light, Beacon (S/N 23604 to Present)	1	
	7016319	Bulb, Flash Tube	1	
	7016372	Lens, Amber	1	
	0721006	Screw, Machine #10-24NC x 3/4"	2	
	4751000	Flatwasher #10	4	
	3311005	Locknut #10-24NC	2	

SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
201 (cont'd)	1060341	Cable, Electrical 16/2	A/R	
	0254825	110 VOLT RECEPTACLE INSTALLATION - MODEL 3369 (OPTIONAL)	Ref.	5
	0254826	110 VOLT RECEPTACLE INSTALLATION - MODEL 3969 (OPTIONAL)	Ref.	4
	0254835	GFI 110 VOLT RECEPTACLE INSTALLATION - MODEL 3369 (OPTIONAL)	Ref.	4
	0254836	GFI 110 VOLT RECEPTACLE INSTALLATION - MODEL 3969 (OPTIONAL)	Ref.	3
	0255786	220 VOLT RECEPTACLE INSTALLATION - MODEL 3369 (OPTIONAL)	Ref.	2
	0255787	220 VOLT RECEPTACLE INSTALLATION - MODEL 3969 (OPTIONAL)	Ref.	2
301	0860038	Box, Mounting	1	
302		Receptacle Options:	1	
	4460190	Receptacle (Standard)		
	4460346	Receptacle (GFI)		
	Supply Locally	Receptacle (220 Volt)		
303		Shield, Cover Options:	1	
	4060092	Cover (Standard)		
	4060700	Cover (GFI 110 Volt/220 Volt)		
304	3538051	Plate, Mounting	1	
305	0641406	Bolt 1/4"-20NC x 3/4"	2	
306	4751400	Flatwasher 1/4"	4	
307	3311405	Locknut 1/4"-20NC	2	
308	1320061	Clamp	A/R	
309	4240033	Strap, Tie	10	
310	1060308	Cable, Electrical - 12-3 Options:	A/R	
		Model 3369 (Prior to S/N 45013)	80ft./24.4m	
		Model 3369 (S/N 45013 to Present)	60ft./18.3m	
		Model 3969 (Prior to S/N 45013)	90ft./27.4m	
		Model 3969 (S/N 45013 to Present)	65ft./19.8m	
311		Plug, Connector Options:	1	
	4460138	Plug (110 Volt)		
	Supply Locally	Plug (220 Volt)		
312		Decal - Ground Options:	2	
	1700598	Decal - 110 Volt Ground		
	1700598	Decal - 220 Volt Ground (Prior to S/N 50044)		
313		Decal - Neutral Options:	2	
	1700599	Decal - 110 Volt Neutral		
	1700599	Decal - 220 Volt Neutral (Prior to S/N 50044)		
314		Connector, Strain Relief Options:	1	
	4460049	Connector, Strain Relief (Prior to S/N 50044)		
	4460051	Connector, Strain Relief (S/N 50044 to Present)		
315	0960407	Bushing (Prior to S/N 50044)	1	
316	4060805	Shield, Flex Trim (S/N 50044 to Present)	10in./25.4cm	
317	4761500	Lockwasher 5/16" (S/N 50044 to Present)	4	

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FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
318	3311501	Nut 5/16"-18NC (S/N 50044 to Present)	4	1
	0257371	D-RING INSTALLATION (OPTIONAL)	Ref.	
401	3760321	D-Ring, Swivel Ring	4	
402	0630476	Button Head Screw 5/16"-18NC x 3/4"	16	
403	4761500	Lockwasher 5/16"	16	
404	1703175	Decal - Anchorage Point	4	
405	3510583	Deck Weldment	1	

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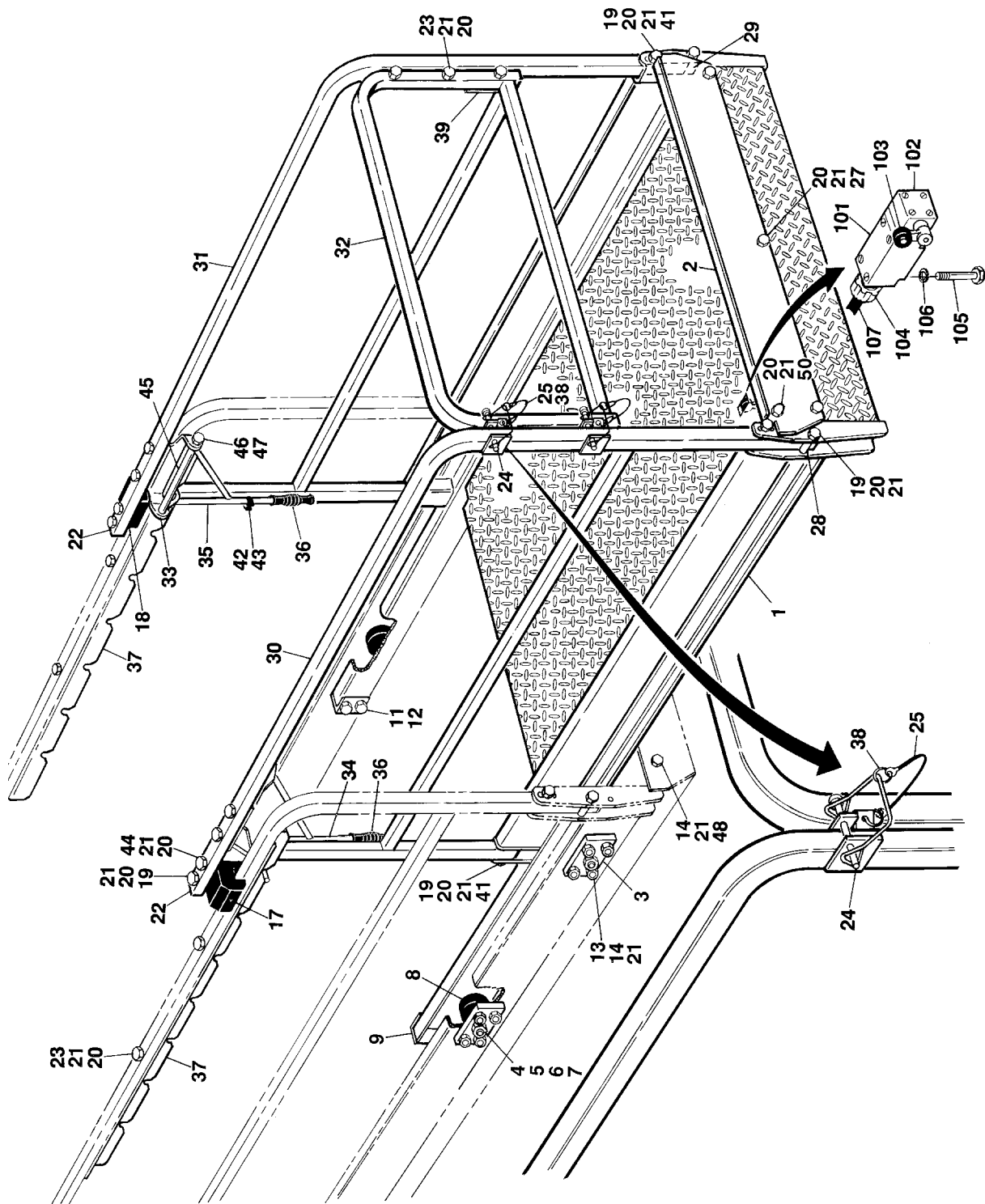
FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-2.MANUAL PLATFORM EXTENSION INSTALLATION



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FIGURE 4-2. MANUAL PLATFORM EXTENSION INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0254476	MANUAL PLATFORM EXTENSION INSTALLATION	Ref.	8
1	3510446	Extension Weldment	1	
2		Kick Plate - Front Options:	1	
	3537610	Prior to S/N 69983		
	3571800	S/N 69983 to Present		
3	3537619	Plate, Support (Roller)	4	
4	3841233	Rod, Support (Roller)	4	
5	3312202	Nut, Jam 3/4"-10NC	4	
	3322202	Nut, Jam 3/4"-16NF	4	
6	3760348	Ring, Retainer	4	
7	4752200	Flatwasher 3/4"	4	
8	3860059	Roller	4	
9	3536639	Plate	2	
10	Not Used			
11	0641607	Bolt 3/8"-16NC x 7/8"	4	
12	4761600	Lockwasher 3/8"	4	
13	0641510	Bolt 5/16"-18NC x 1 1/4"	16	
14	4711500	Flatwasher 5/16"	16	
15	3311505	Locknut 5/16"-18NC (Prior to S/N 69983)	16	
16	Not Used			
17	3340653	Pad, Slide	2	
18	4070829	Shim	4	
19	0641420	Bolt 1/4"-20NC x 2 1/2"	10	
20	4751400	Flatwasher 1/4"	70	
21	3311405	Locknut 1/4"-20NC	50	
22	3520072	Plug, Cap	8	
23	0641416	Bolt 1/4"-20NC x 2"	18	
24	3422219	Spring Pin	4	
25	1060379	Cable, Lanyard	4	
26	Not Used			
27	0641406	Bolt 1/4"-20NC x 3/4"	4	
28	0961845	Bushing	2	
29	4420055	Tape	3in./8cm	
30	3640916	Rail Weldment (Right Side)	1	
31	3640917	Rail Weldment (Left Side)	1	
32	3640918	Rail Weldment (Front)	1	
33	3537609	Plate, Pivot	2	
34	4844683	Handle Weldment (Right Side)	1	
35	4844684	Handle Weldment (Left Side)	1	
36	2560088	Grip	2	
37	3537615	Plate, Latch	2	
38	3760170	Ring	2	
39	2600201	Hinge	1	
40	Not Used			
41	4740411	Washer, Nylon	16	
42	1380132	Clip, Grip	2	

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FIGURE 4-2. MANUAL PLATFORM EXTENSION INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
43	3941004	Screw, Self-Tapping #10 x 1/2"	2	
44	3911440	Screw 1/4"-20NC x 2 1/2"	4	
45	0641676	Bolt 3/8"-16NC x 9 1/2"	2	
46	3311605	Locknut 3/8"-16NC	2	
47	4711600	Flatwasher 3/8" Narrow	4	
48	0940049	Bumper	2	
49	3300151	Nut, Acorn 1/4"-20NC (Prior to S/N 69983)	2	
50	0641405	Bolt 1/4"-20NC x 5/8" (S/N 69983 to Present)	2	
	0255043	PLATFORM EXTENSION LIMIT SWITCH INSTALLATION (PRIOR TO JANUARY 1995)	Ref.	
101	4360277	Switch, Limit	1	
102	4360236	Head, Switch Actuator	1	
103	4360278	Roller and Arm Assembly	1	
104	4460052	Connector, Strain Relief	1	
105	3900168	Screw, Special	2	
106	4920140	Lockwire	A/R	
107	1060341	Cable, Electrical 16/2	15ft./4.6m	

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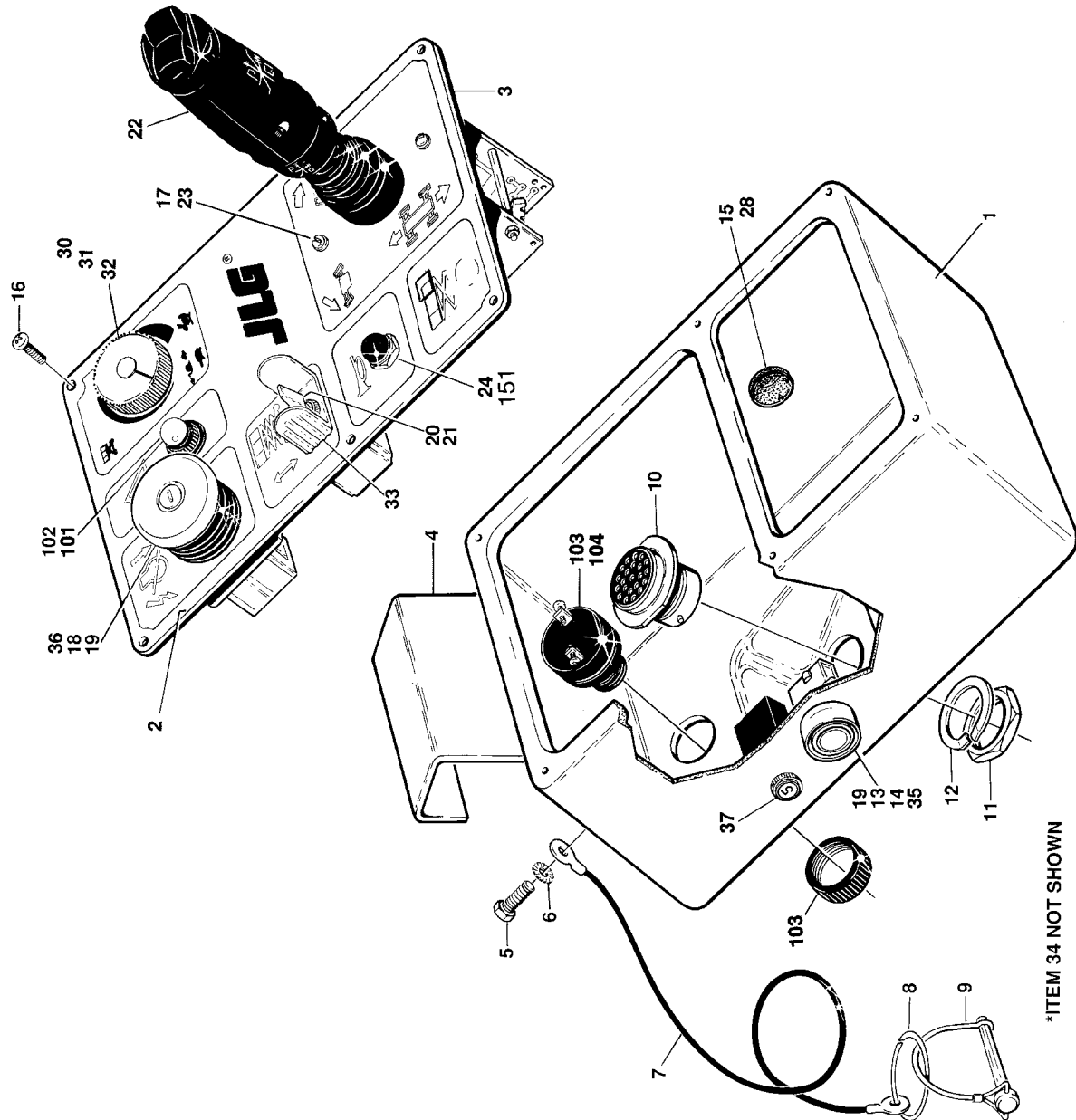
FIGURE 4-2. MANUAL PLATFORM EXTENSION INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-3.PLATFORM CONSOLE BOX ASSEMBLY (PRIOR TO S/N 71506)



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FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLY (PRIOR TO S/N 71506)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0254545	CONSOLE BOX ASSEMBLY (PRIOR TO S/N 29596)	Ref.	E
	0257161	CONSOLE BOX ASSEMBLY (S/N 29596 TO PRESENT)	Ref.	6
1	0860784	Box, Console	1	
2		Nameplate Options:	1	
	3252326	Nameplate (Prior to S/N 29596)		
	3252522	Nameplate (S/N 29596 to Present)		
3	4420008	Tape, Insulation	32in./8m	
4		Bracket, Hanger Options:	1	
	0901859	Bracket, Hanger (Prior to S/N 29596)		
	0902498	Bracket, Hanger (S/N 29596 to Present)		
5	0641404	Bolt 1/4"-20NC x 1/2"	4	
6	4791400	Starwasher 1/4"	4	
7	1060380	Lanyard - 10"/25.4cm	1	
8	3760170	Ring	1	
9	3421453	Pin, Snapper	1	
10	4460463	Receptacle, Terminal	1	
11	4460470	Nut, Panel	1	
12	4460471	Lockwasher	1	
13	4360339	Switch, Push Button	1	
	7012593	Boot, Green	1	
14	4360267	Switch, Contact - N.O.	1	
15	3520026	Plug	1	
16	3900177	Screw	6	
17	4740120	Washer, Nylon	2	
18		Switch, Push/Pull (Emergency Stop) Options:	1	
	4360317	Switch (Prior to S/N 29596)		
	7012566	Lens	1	
	7012517	Bulb	1	
	4360289	Switch (S/N 29596 to S/N 66901)		
	7012611	Push-Pull Mushroom Head	1	
	7012612	Boot	1	
	4360475	Switch (S/N 66901 to Present)		
	7020175	Push-Pull Mushroom Head W/Seal	1	
	7020176	Contact Block W/Mount	1	
19	4740066	Washer, Brass (June 1995 to Present)	2	
20	4360318	Switch, Toggle (Prior to October 1994)	1	
	4360328	Switch, Toggle (October 1994 to Present)	1	
21	3790012	O-Ring	1	
22	1600180	Controller, PQ	1	
23	3900178	Screw #10-24NC x 3/4"	2	
24	4360274	Switch, Push Button (Prior to S/N 47782)	1	
25 to 27	Not Used			
28	0100009	Sealant, Silicone	A/R	
29	Not Used			

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FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLY (PRIOR TO S/N 71506) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
30		Potentiometer, Speed Control Options:	1	
	4360370	Prior to S/N 29596		
	4360445	S/N 29596 to Present		
31	3300352	Nut, Special (Prior to S/N 29596)	2	
32		Knob, Speed Control Options:	1	
	2560121	Prior to S/N 29596		
	2560136	S/N 29596 to Present		
33	Not Used			
34	1701827	Decal - Legend	1	
35	4740066	Washer, Thrust (Prior to S/N 29596)	2	
36		Switch Options:	1	
	4360282	Prior to S/N 66901		
	4360476	S/N 66901 to Present		
37	4360112	Breaker, Circuit - 5 Amp	1	
	0255064	OPTIONAL TILT INDICATOR INSTALLATION	Ref.	2
101	2920125	Light, Indicator - Red	1	
102	4460578	Terminal	2	
103	0140030	Alarm, Sonalert	1	
104	0840026	Boot, Cable (S/N 39555 to Present)	2	
	0258663	OPTIONAL HORN BUTTON INSTALLATION	Ref.	1
151	4360274	Switch, Push Button	1	

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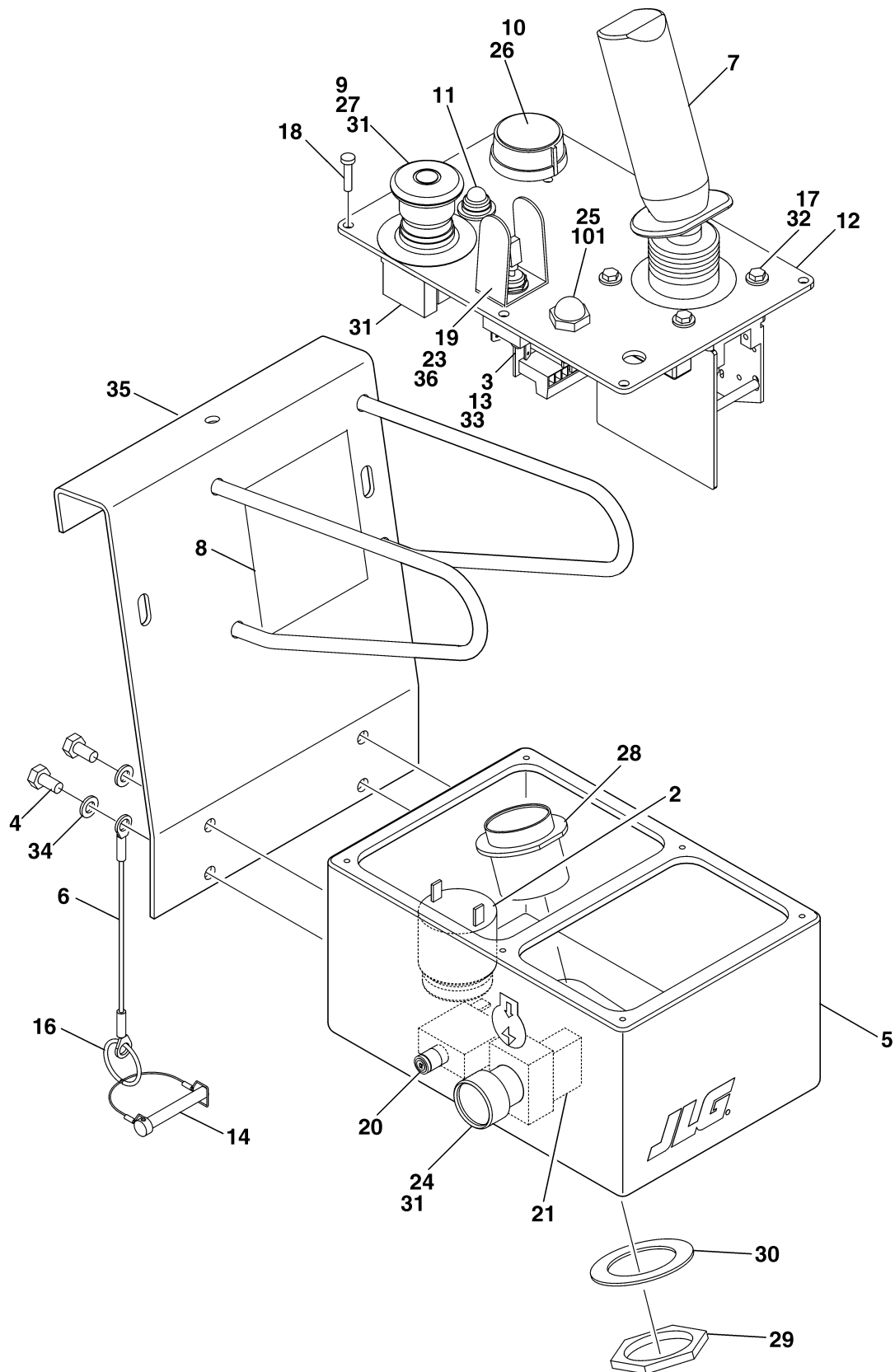
FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLY (PRIOR TO S/N 71506) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-4.PLATFORM CONSOLE BOX ASSEMBLY (S/N 71506 TO PRESENT)



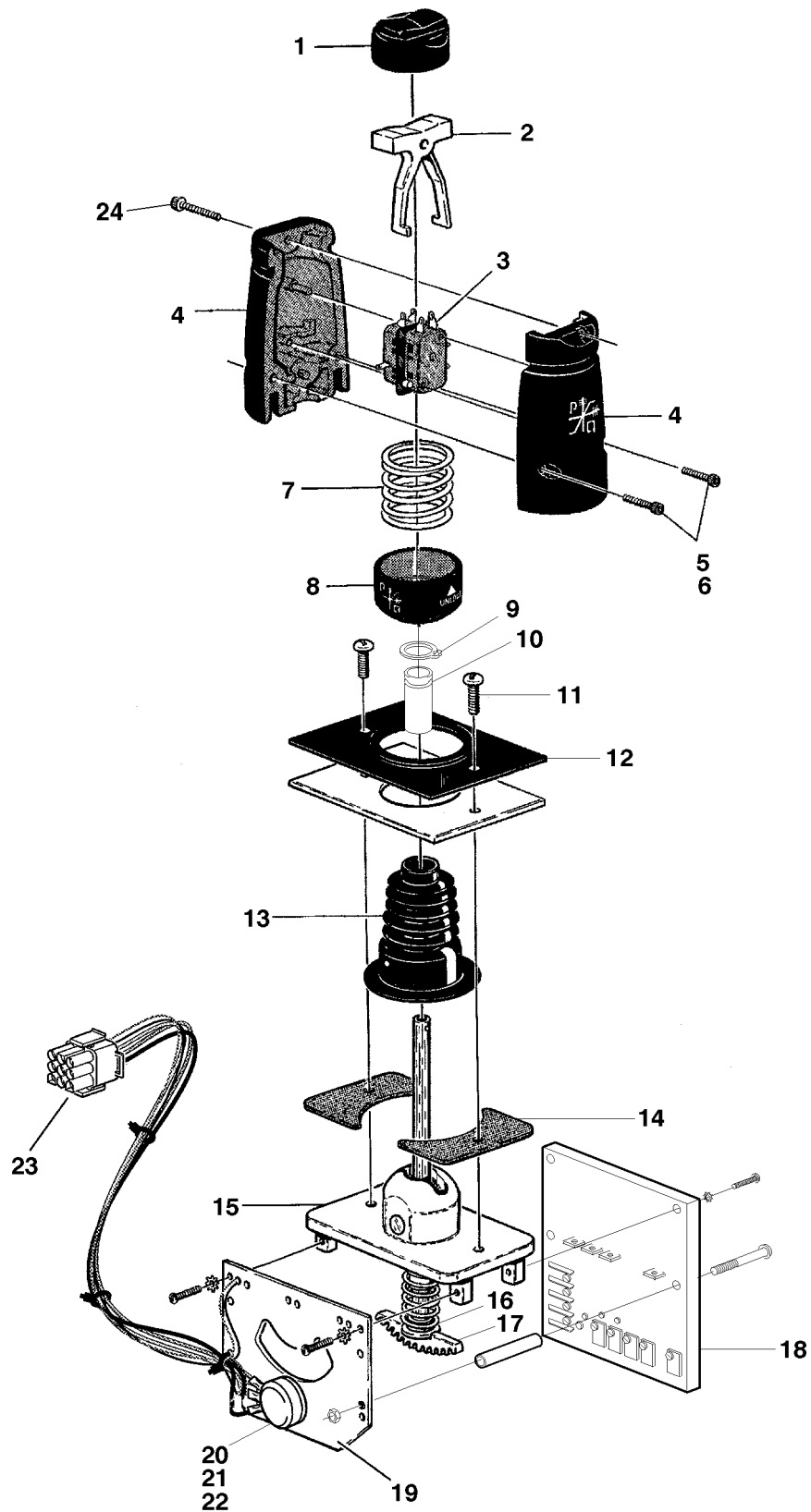
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FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLY (S/N 71506 TO PRESENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0259863	CONSOLE BOX ASSEMBLY	Ref.	C
1	0100009	Sealant (Not Shown)	A/R	
2	0140030	Alarm, Sonalert	1	
3	0610136	Circuit Card, W/Hardware	1	
4	0641404	Bolt 1/4"-20NC x 1/2"	4	
5		Box, Console Options:	1	
	0860784	Prior to S/N 83228		
	0861376	S/N 83228 to Present		
6	1060380	Lanyard - 10"/25.4cm	1	
7	1600301	Controller, PQ	1	
8	1701827	Decal - Symbol Legend	1	
9	1704260	Decal - EMS	1	
10	2560136	Knob, Speed Control	1	
11	2920125	Light, Indicator - Red	1	
12	3252662	Nameplate	1	
13	3310601	Nut #6-32NC	2	
14	3421453	Pin, Snapper	1	
15	Not Used			
16	3760170	Ring	1	
17	3900178	Screw #10-24NC x 3/4"	4	
18	3900265	Screw #8-18NC x 3/4"	6	
19	4060802	Guard, Switch	1	
20	4360112	Breaker, Circuit - 5 Amp	1	
21	4360267	Switch, Contact - N.O.	1	
22	4360282	EMS, Contact Block	1	
23	4360328	Switch, Toggle	1	
24	4360339	Switch, Push Button	1	
	7012593	Boot, Green	1	
25	4360387	Switch, Push Button	1	
26	4360445	Potentiometer, Speed Control	1	
27	4360475	Switch, Push/Pull (Emergency Stop)	1	
	7020175	Push-Pull Mushroom Head W/Seal	1	
	7020176	Contact Block w/ Mount	1	
28		Plug, Male Options:	1	
	4460463	23 Pin Plug (Prior to S/N 77820)		
	4460503	31 Pin Plug (S/N 77820 to Present)		
29	4460470	Nut, Panel	1	
30	4460471	Lockwasher	1	
31	4740066	Washer, Brass	2	
32	4740120	Washer, Nylon	4	
33	4760600	Lockers #6	2	
34	4761400	Lockwasher 1/4"	4	
35	4845755	Bracket, Hanger	1	
36	3790012	O-Ring	1	
	0258663	OPTIONAL HORN BUTTON INSTALLATION	Ref.	1
101	4360274	Switch, Push Button	1	

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FIGURE 4-5. CONTROLLER ASSEMBLY - PQ (PRIOR TO S/N 71506)



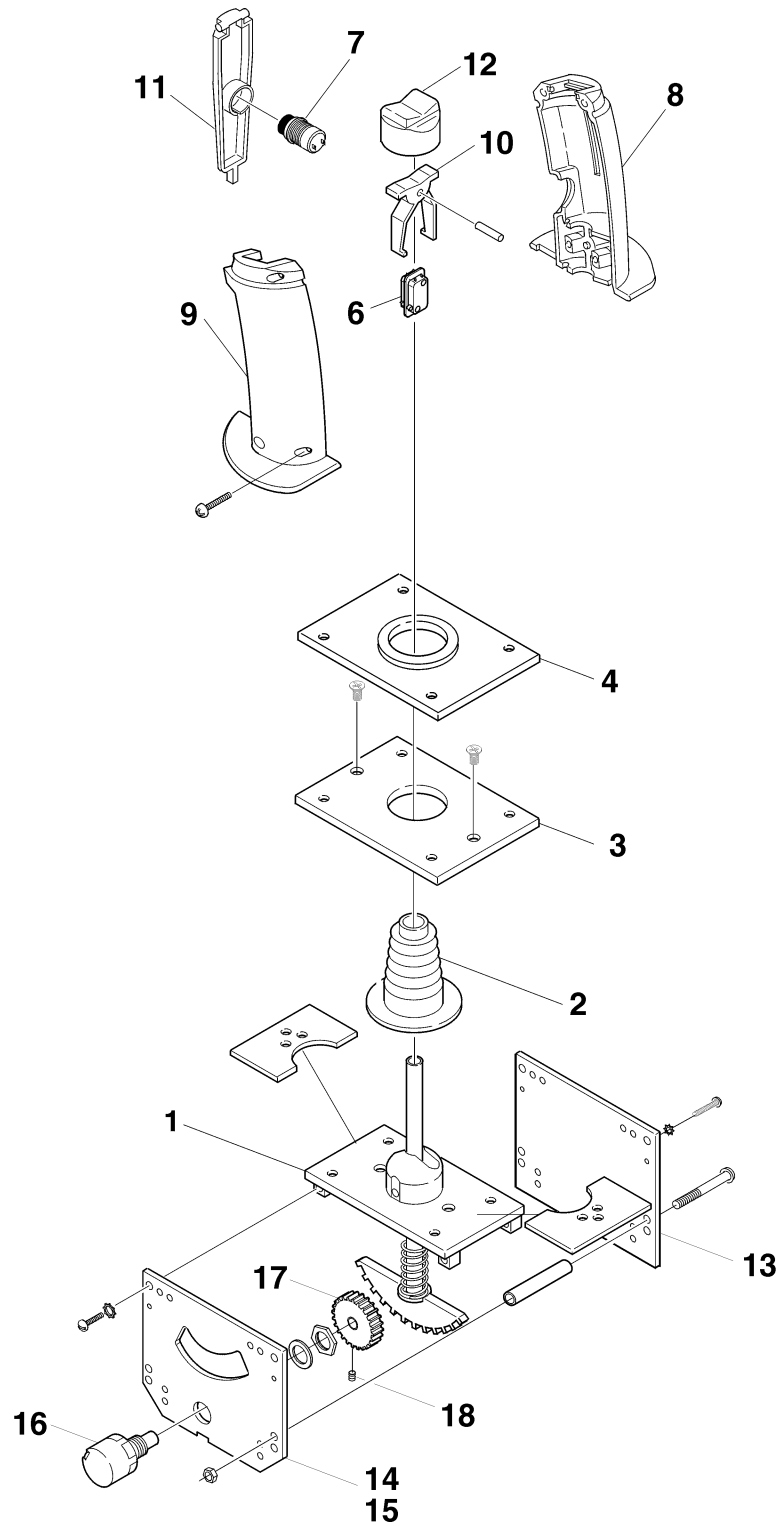
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FIGURE 4-5. CONTROLLER ASSEMBLY - PQ (PRIOR TO S/N 71506)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	1600180	CONTROLLER ASSEMBLY - PQ	Ref.	-
1	7003790	Boot, Rocker Switch	1	
2	7003791	Actuator, Switch	1	
3	7003789	Switch Assembly	1	
4	7011976	Handle Half Assembly (2 Per)	1	
	7011970	Nut #6-32NC	2	
5	7011971	Screw #6-32NC x 5/8"	2	
6	7011972	Lockwasher #6	2	
7	7011934	Spring, Compression	1	
8	7011984	Knob, Lower Slide-Lock	1	
9	7011985	Ring, Snap	1	
10	7011986	Slide-Lock (Internal)	1	
11	7011989	Screw #10-32NC x 1/2"	2	
12	7011936	Gasket	1	
13	7020519	Boot (Was p/n 7003772)	1	
14	7003774	Gasket, Lower	1	
15	7011932	Stem Assembly	1	
16	7011987	Spring	1	
17	7011988	Gear, Sector	1	
18	7011945	Electrical, Assembly	1	
19	7003780	Electrical Pot Assembly	1	
20	7003751	Pot With Out Wires	1	
21	7011940	Gear, Pinion	1	
22	7011983	Screw, Set	1	
23	4460266	Connector	1	
	4460226	Pin, Male	A/R	
24	7020536	Screw #6-32NC x 1"	1	
	7011970	Nut #6-32NC	2	

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FIGURE 4-6.CONTROLLER ASSEMBLY - PQ (S/N 71506 TO PRESENT)



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FIGURE 4-6. CONTROLLER ASSEMBLY - PQ (S/N 71506 TO PRESENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	1600301	CONTROLLER ASSEMBLY - PQ	Ref.	A
1	7020503	Handle/Housing Assembly	1	
2	7020520	Boot	1	
3	7020504	Plate, Mounting	1	
4	7020502	Gasket	1	
5	7011991	Grip Assembly	1	
6	7011992	Switch Assembly	1	
7	7020501	Switch, Pushbutton	1	
8	Use 7020514	Grip - Right Side (was p/n 7011993 & p/n 7020531)	1	
9	Use 7020514	Grip - Left Side (was p/n 7011994 & p/n 7020532)	1	
10	7003791	Actuator, Switch	1	
11	7011997	Trigger	1	
12	7003790	Boot, Rocker Switch	1	
13	7020526	Electrical, Assembly	1	
14	7003780	Electrical Pot Assembly	1	
15	7020509	Plate, Mounting - Potentiometer	1	
16	7003751	Pot With Out Wires	1	
17	7011940	Gear, Pinion	1	
18	7020511	Screw, Set	1	

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FIGURE 4-6. CONTROLLER ASSEMBLY - PQ (S/N 71506 TO PRESENT) (CONTINUED)

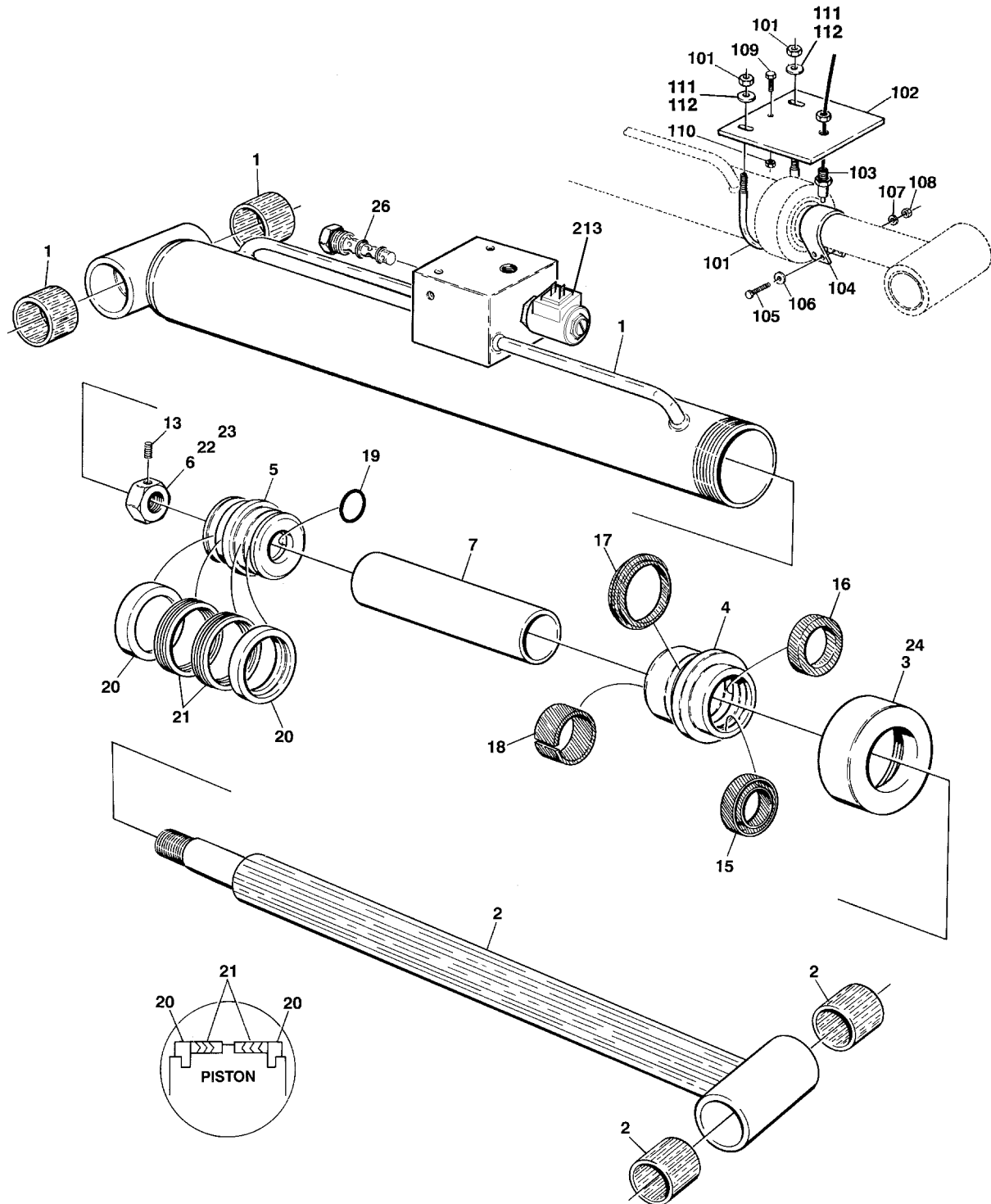
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 5 CYLINDER

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SECTION 5 CYLINDER

FIGURE 5-1.LIFT CYLINDER ASSEMBLY



SECTION 5 CYLINDER

FIGURE 5-1. LIFT CYLINDER ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	1682935	LIFT CYLINDER ASSEMBLY	Ref	3
1	1682936	Barrel Assembly	1	
	0961826	Bushing	2	
2	1682938	Rod Assembly	1	
	0961826	Bushing	2	
3	1120336	Retainer	1	
4	1681843	Head	1	
5	3480102	Piston	1	
6	3300281	Nut	1	
7	4566171	Spacer	1	
8	Not Used			
9	Not Used			
10	Not Used			
11	Not Used			
12	Not Used			
13	3900170	Set Screw	1	
14	Not Used			
15	Kit	Wiper, Rod	1	
16	Kit	Seal, Rod	1	
17	Kit	T-Seal	1	
18	Kit	Ring, Wear	1	
19	Kit	O-Ring	1	
20	Kit	Ring, Lock	2	
21	Kit	Seal, Piston	2	
22	0100011	Loctite #242	A/R	
23	0100038	Primer, Locking	A/R	
24	0100035	Loctite #222	A/R	
25	Not Used			
26	4640903	Valve, Thermal Relief	1	
	2901102	Seal Kit - 1682935 Cylinder (Includes Items 15-21)	1	
	0254495	DRIVE CUT-OUT INSTALLATION	Ref	C
101	1320206	Clamp	1	
102	0362341	Bar	1	
103		Proximity Sensor Switch	1	
	4921657	Prior to May 1995		
	4360313	May 1995 to Present		
104	4240103	Strap	1	
105	0641424	Bolt 1/4"-20NC x 3"	2	
106	4751400	Flatwasher 1/4"	4	
107	4761400	Lockwasher 1/4"	2	
108	3311401	Nut 1/4"-20NC	2	
109	0641412	Bolt 1/4"-20NC x 1 1/2"	1	
110	3311405	Locknut 1/4"-20NC	1	

SECTION 5 CYLINDER

FIGURE 5-1. LIFT CYLINDER ASSEMBLY (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
111	4711800	Flatwasher 1/2" Narrow	2	
112	4761800	Lockwasher 1/2"	2	
		SCISSORS ARMS INSTALLATION COMPONENTS	Ref.	
201to 212	Not Used			
213	4640381	Cartridge, Holding Valve	1	
	7000644	Coil (Hydraforce Version)	1	
	7004334	Coil (Modular Controls Version)	1	
	2900756	Seal Kit (Hydraforce Version)	1	
	2900503	Seal Kit (Modular Controls Version)	1	

SECTION 5 CYLINDER

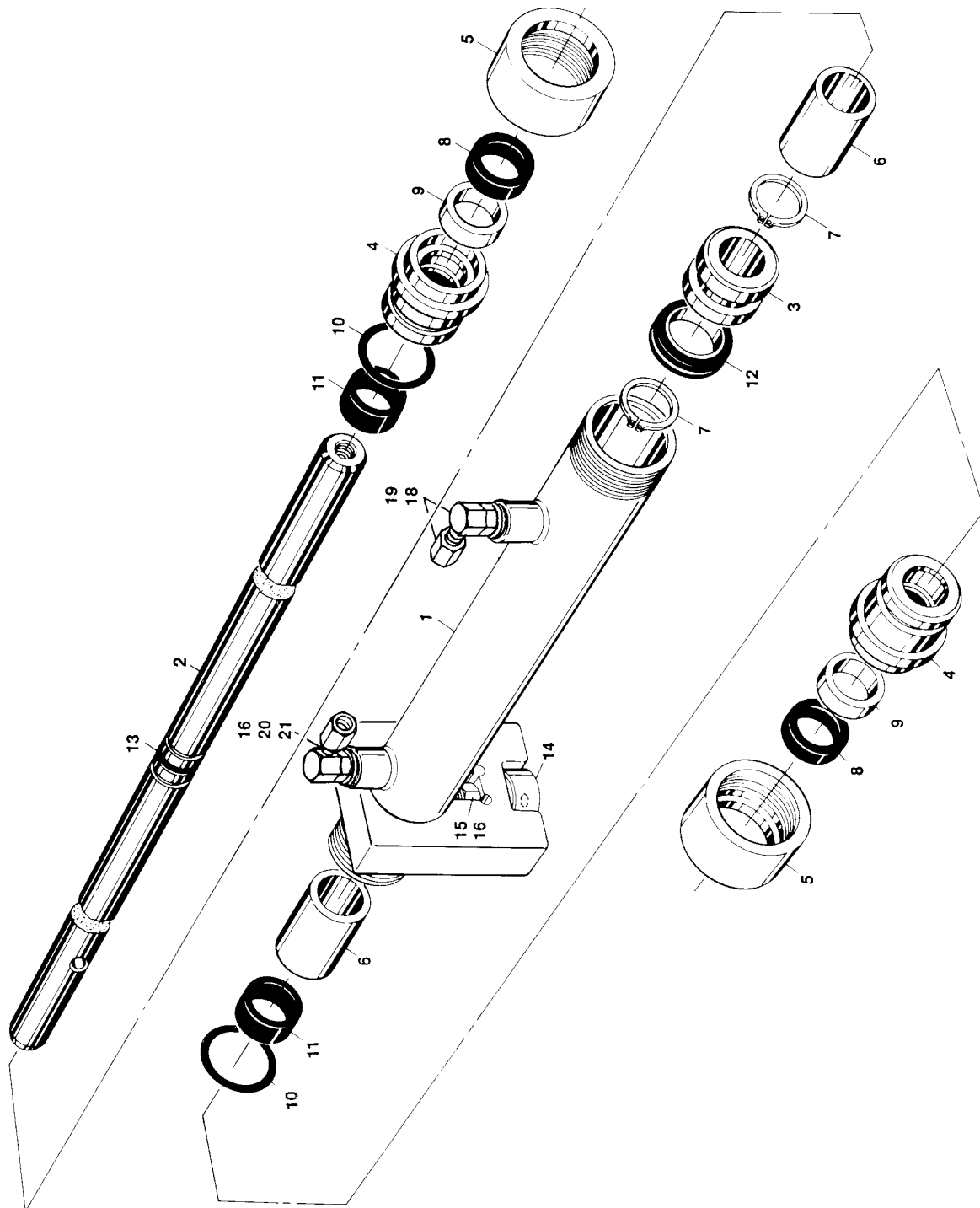
FIGURE 5-1. LIFT CYLINDER ASSEMBLY (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 5-2. STEER CYLINDER ASSEMBLY



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FIGURE 5-2. STEER CYLINDER ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		STEER CYLINDER ASSEMBLIES	Ref	
	1682527	Prior to S/N 47596	Ref	C
	1683695	S/N 47596 to Present	Ref	2
		Note: When replacing complete cylinder assembly p/n 1682527 use p/n 1683695 cylinder assembly as Service Replacement.	Ref.	
		Note: Original Equipment may have been replaced with Service Replacement components part. Identify the p/n stamped on cylinder before ordering parts.	Ref.	
1		Barrel Weldment Options:	1	
	1682528	Prior to S/N 47596		
	1683694	S/N 47596 to Present		
2	1682530	Rod	1	
3	3480153	Piston	1	
4	1682364	Head	2	
5	1120387	Retainer	2	
6	4565275	Spacer	2	
7	3760141	Ring, Retaining	2	
8	Kit	Seal, Wiper	2	
9	Kit	Seal, Rod	2	
10	Kit	O-Ring	2	
11	Kit	Ring, Wear	2	
12	Kit	T-Seal	1	
13	Kit	O-Ring	1	
14		Follower, Cam Options:	1	
	3860054	Prior to S/N 47596		
	3860080	S/N 47596 to Present		
15		Nut 1/2"-20NF Options:	1	
	3321801	Prior to S/N 47596		
	3321802	S/N 47596 to Present		
16	0100035	Loctite #222	A/R	
17	Not Used			
18	2220472	Fitting 90°	1	
19	2220515	Fitting, Cap	2	
20	2180699	Fitting, Modified	1	
21	2180394	Orifice	1	
	2901178	Seal Kit (Includes Items 8-13)	1	

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FIGURE 5-2. STEER CYLINDER ASSEMBLY (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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SECTION 6 HYDRAULIC

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SECTION 6 HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	2792080	HYDRAULIC DIAGRAMS	Ref.	4
1	2220415	Fitting, Straight	4	
2	2220371	Fitting, Straight	2	
3	2220373	Fitting, Straight	6	
4	2220466	Fitting, 90°	3	
5	2220235	Fitting, Plug	3	
6	2220470	Fitting, 90°	1	
7	2220451	Fitting, Straight	1	
8	2220490	Fitting, Tee	2	
9	2220504	Fitting, Tee	1	
10	2220374	Fitting, Straight	1	
11	4566419	Tube	1	
12	4566414	Tube	1	
13	Not Used			
14	2210008	Fitting, 90°	1	
15	2220582	Fitting, Straight	2	
16	0100020	Sealant (Not Shown)	A/R	
17	1320033	Clamp	4	
18	2220347	Fitting, Straight	1	
19	2220497	Fitting, Straight	2	
	2901277	HYDRAULIC HOSE KITS	Ref.	3
101	2750968	Hose	1	
102	2752392	Hose	1	
103		Hose Options:	2	
	2750895	Prior to S/N 61791		
	2751906	S/N 61791 to Present		
104	2750998	Hose	2	
105	2752460	Hose	2	
106	2751160	Hose	2	
107	2752438	Hose	1	
108	2751407	Hose	1	
109	2751418	Hose	1	
110	2752448	Hose	1	
111	2720298	Hose, Suction - 3/4"	18"/46cm	

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FIGURE 6-1. HYDRAULIC DIAGRAM (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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SECTION 7 ELECTRICAL

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FIGURE 7-1.ELECTRICAL DIAGRAM LIST

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		Note: Diagrams with asterisks (*) Indicate electrical drawing shown in this manual. All other electrical drawings are available from the JLG Service Department upon request.		
	1282327	ALARM ELECTRICAL DIAGRAMS (REF. DRG. ONLY)	Ref.	B
	0255046	Descent Alarm Electrical Diagram (B/M Only)	Ref.	—
	0255044	Motion Alarm Electrical Diagram (B/M Only)	Ref.	A
	0255045	Travel Alarm Electrical Diagram (B/M Only) (Prior to S/N 71506)	Ref.	B
	0140031	Alarm	1	
	3990010	Diode - 6 Amp	1	
	1060341	Cable, Electrical - 16/2	7ft./2m	
	3740087	Relay	1	
	3740063	Clip, Spring	1	
	4120027	Socket, Relay	1	
	0254827	BEACON LIGHT ELECTRICAL DIAGRAM (FRAME MOUNTED)	Ref.	A
	2920119	Light, Beacon (Prior to S/N 23604)	1	
	2920146	Light, Beacon (S/N 23604 to Present)	1	
	1060341	Cable, Electrical - 16/2	121in./3m	
		BEACON LIGHT ELECTRICAL DIAGRAM (UNDER PLATFORM MOUNTED) (REF. DRG. ONLY)	Ref.	
	0255032	Electrical Diagram - Model 3369 (B/M Only)	Ref.	A
	0255034	Electrical Diagram - Model 3969 (B/M Only)	Ref.	A
	2920119	Light, Beacon (Prior to S/N 23604)	1	
	2920146	Light, Beacon (S/N 23604 to Present)	1	
	1060341	Cable, Electrical - 16/2 Options: Model 3369 Model 3969	A/R 73ft./22.3m 80ft./24.4m	
		GROUND TO PLATFORM ELECTRICAL HARNESS	Ref.	
		Model 3369 Options:	1	
	4921652	Prior to S/N 58031		
	4922246	S/N 58031 to S/N 77820		
	4922435	S/N 77820 to Present		
		Model 3969 Options:	1	
	4921653	Prior to S/N 58031		
	4922247	S/N 58031 to S/N 77820		
	4922434	S/N 77820 to Present		
	0255047	HORN ELECTRICAL DIAGRAM	Ref.	3
	0140028	Horn	1	
	1060341	Cable, Electrical - 16/2	8ft./2.4m	
	0840026	Boot, Terminal	2	
	3990010	Diode - 6 Amp (S/N 29014 to Present)	1	

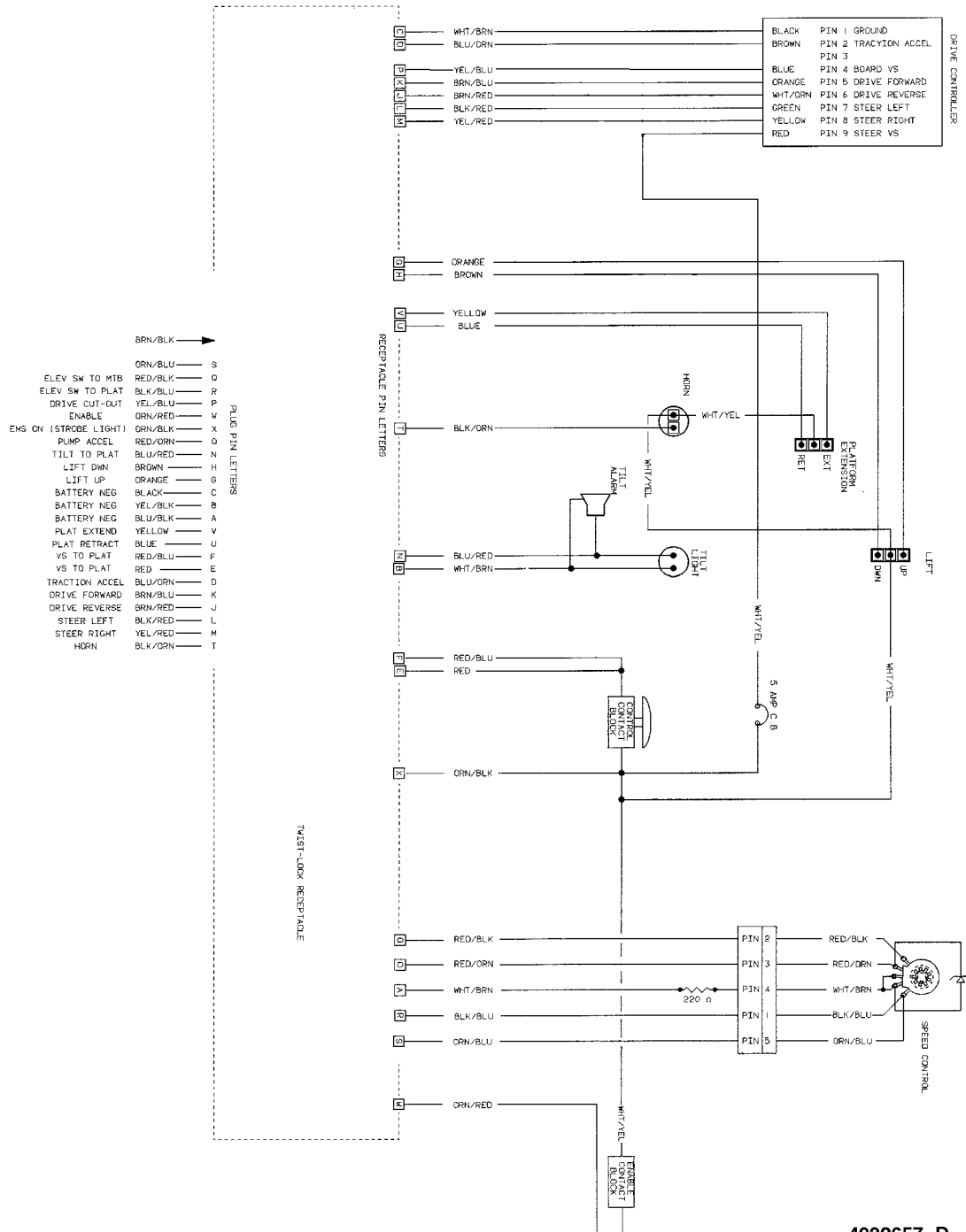
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FIGURE 7-1.ELECTRICAL DIAGRAM LIST

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		PLATFORM ELECTRICAL DIAGRAMS	Ref.	
	4932657*	PLATFORM ELECTRICAL (PRIOR TO S/N 71506)	Ref.	4
	4360370	Switch, Potentiometer (Prior to S/N 30476)	1	
	3730001	Resistor 220 Ohm	1	
	3990051	Diode	1	
	4933121*	PLATFORM ELECTRICAL (S/N 71506 TO PRESENT)	Ref.	1/C
	3730001	Resistor 220 Ohm	1	
	0255043	PLATFORM LIMIT SWITCH ELECTRICAL DIAGRAM	Ref.	—
	4360277	Switch, Limit	1	
	1060341	Cable, Electrical - 16/2	15ft./4.6m	
		PLATFORM WORKLIGHT ELECTRICAL DIAGRAM (B/M ONLY) OPTIONS:	Ref.	
	0254828	Model 3369	Ref.	B
	0254829	Model 3969	Ref.	2
	2920095	Worklight	2	
	1060341	Cable, Electrical - 16/2 Options:	A/R	
		Model 3369	111ft./34m	
		Model 3969	118ft./36m	
	4932658*	STANDARD ELECTRICAL DIAGRAM (PRIOR TO S/N 71506)	Ref.	11
	3990010	Diode - 6 Amp	7	
	3990001	Diode - 3.5 Amp	2	
	1060341	Cable, Electrical - 16/2 (To Limit Switch)	12ft./3.7m	
	4921657	Switch and Harness - Proximity Switch (Prior to May 1995)	1	
	4360313	Switch and Harness - Proximity Switch (May 1995 to Present)	1	
	3730107	Resistor - 1.5K ohms - 3 Watts	1	
	3730108	Resistor - 3.9K ohms - 1/4 Watts	1	
	4921701	Harness - Battery Charger	1	
	1060572	Cable, Electrical - 18/2 (To Tach)	A/R	
	4460321	Plug, Tach Drive Sensor	2	
	4933129*	STANDARD ELECTRICAL DIAGRAM (S/N 71506 TO PRESENT)	Ref.	1/C
	3990010	Diode - 6 Amp	9	
	3990001	Diode - 3.5 Amp	2	
	1060341	Cable, Electrical - 16/2 (To Limit Switch)	12ft./3.7m	
	3730107	Resistor - 1.5K ohms - 3 Watts	1	
	3730108	Resistor - 3.9K ohms - 1/4 Watts	1	
	4921701	Harness - Battery Charger	1	
	1060572	Cable, Electrical - 18/2 (To Tach)	A/R	
	4460321	Plug, Tach Drive Sensor	2	

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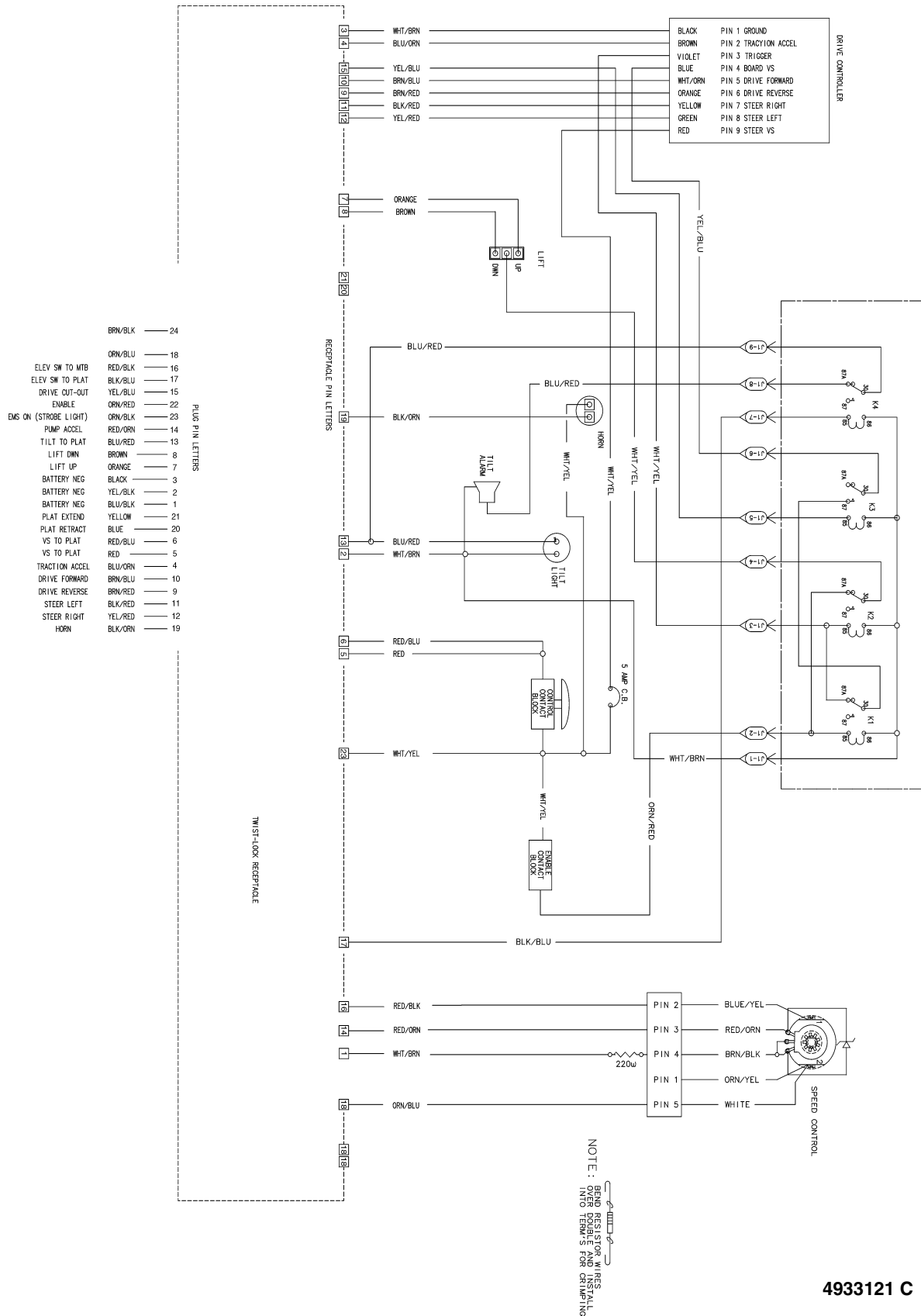
FIGURE 7-2.ELECTRICAL SCHEMATIC - PLATFORM (PRIOR TO S/N 71506)



4932657 D

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FIGURE 7-3.ELECTRICAL SCHEMATIC - PLATFORM (S/N 71506 TO PRESENT)



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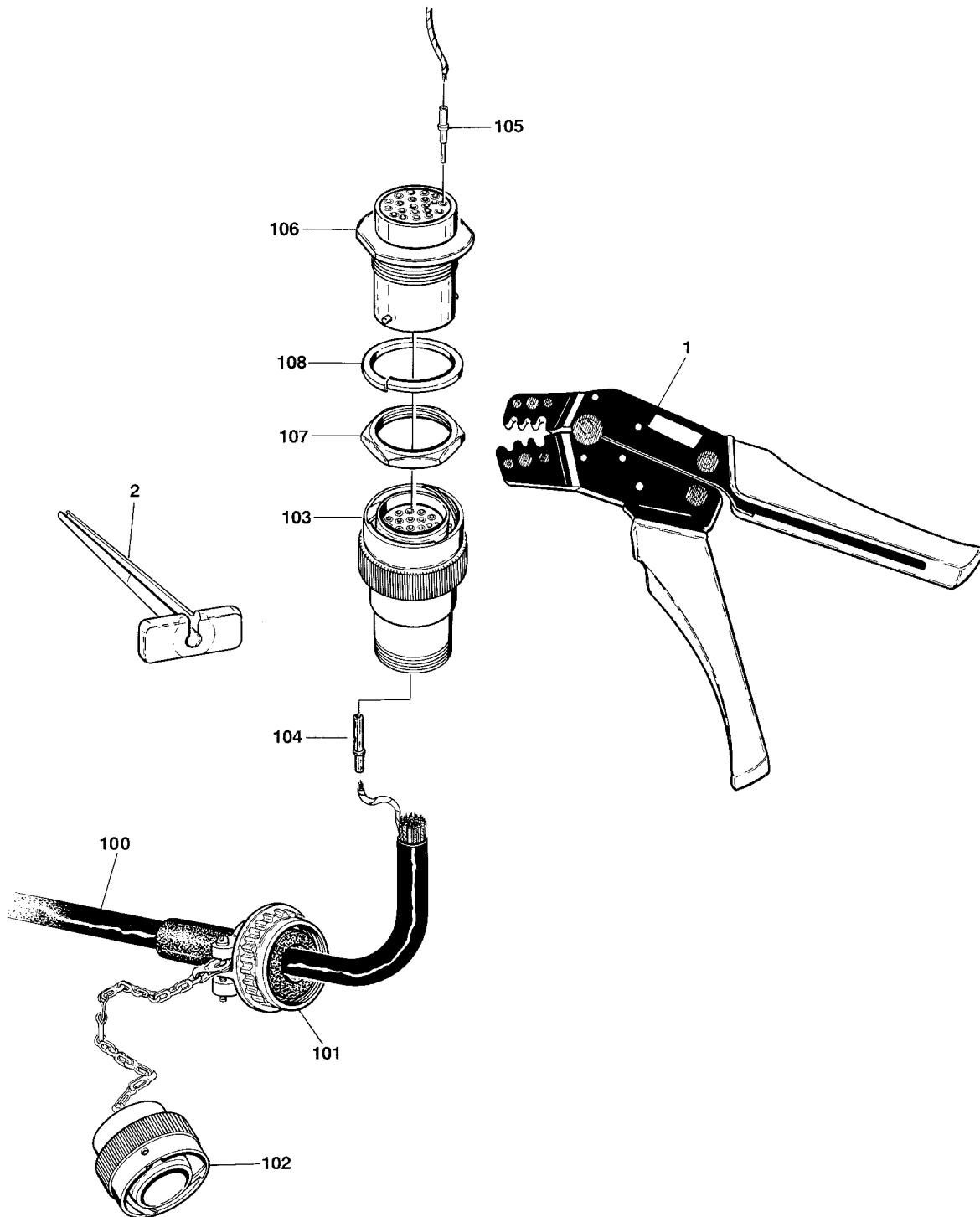
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4933129 C



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FIGURE 7-6.MAIN ELECTRICAL CONNECTOR AND TOOLS



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FIGURE 7-6. MAIN ELECTRICAL CONNECTOR AND TOOLS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		TOOLS:	Ref.	
1	7002818	Crimper (For Wire to Pin/Socket Connections)	1	
2	4460467	Extractor (For Removal of Pin/Socket Connectors)	1	
		GROUND TO PLATFORM ELECTRICAL HARNESS	Ref.	
		Model 3369 Options:	1	
	4921652	Prior to S/N 58031		
	4922246	S/N 58031 to S/N 77820		
	4922435	S/N 77820 to Present		
		Model 3969 Options:	1	
	4921653	Prior to S/N 58031		
	4922247	S/N 58031 to S/N 77820		
	4922434	S/N 77820 to Present		
100	1060826	Cable, Electrical - 16/24	A/R	
		Model 3369	78ft/23.8m	
		Model 3969	88ft/26.8m	
101	4460473	Clamp, Cable	1	
102	4460468	Cap, Dust	1	
103		Connector, Female Options:	1	
	4460462	23 Pin Connector (Prior to S/N 77820)		
	4460502	31 Pin Connector (S/N 77820 to Present)		
104	4460465	Socket, Female	A/R	
		PLATFORM CONSOLE COMPONENTS	Ref.	
	0254545	Prior to S/N 29596		
	0257161	S/N 29596 to S/N 71506		
	0259863	S/N 71506 to Present		
105	4460464	Pin, Male	A/R	
106		Plug, Male Options:	1	
	4460463	23 Pin Plug (Prior to S/N 77820)		
	4460503	31 Pin Plug (S/N 77820 to Present)		
107	4460470	Nut, Receptacle	1	
108	4460471	Lockwasher, Receptacle	1	

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FIGURE 7-6. MAIN ELECTRICAL CONNECTOR AND TOOLS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

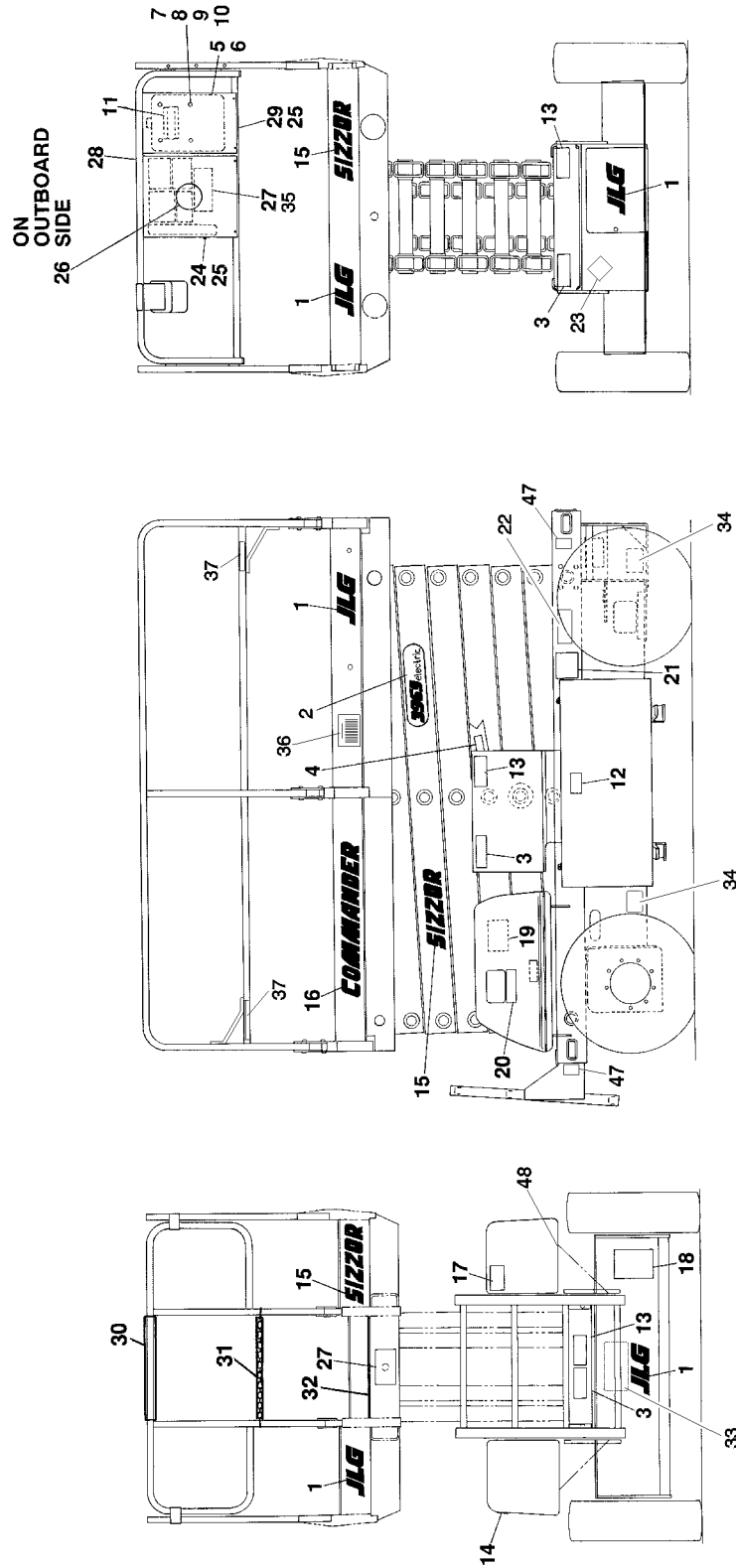
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SECTION 8 DECALS

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FIGURE 8-1.DECALS INSTALLATION (PRIOR TO S/N 69694)



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FIGURE 8-1. DECALS INSTALLATION (PRIOR TO S/N 69694)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DECAL INSTALLATIONS OPTIONS:		
	0254746	Decal Installation - Model 3369 (USA/Canada)	Ref.	16
	0254747	Decal Installation - Model 3969 (USA/Canada)	Ref.	14
	0255631	Decal Installation - Model 3369 (Latin America)	Ref.	10
	0255767	Decal Installation - Model 3969 (Latin America)	Ref.	11
	0257560	Decal Installation - Model 3369 (Brazil)	Ref.	6
	0257561	Decal Installation - Model 3969 (Brazil)	Ref.	7
	0257310	Decal Installation - Model 3369 (Japanese) (S/N 31253 to Present)	Ref.	6
	0257311	Decal Installation - Model 3969 (Japanese) (S/N 31253 to Present)	Ref.	8
1	1702009*^<>+={	Decal - JLG	6	
2		Decal - Model Options:	2	
	1702255*+={	Model 3369		
	1702256^>={	Model 3969		
3		Decal - Electrical Hazard Options:	4	
	1702250*^	USA/Canada		
	1702554+={	Latin America		
	1703612<>	Brazil		
	1701620-{	Japanese		
4		Decal - Safety Prop Options:	2	
	1701839*^	USA/Canada		
	1701856+={	Latin America		
	1703550<>	Brazil		
	1701622-{	Japanese		
5	0860520	Box, Manual Storage	1	
6	1060279	Cable, Lanyard	1	
7	0641405	Bolt 1/4"-20NC x 5/8"	4	
8	4751400	Flatwasher 1/4"	4	
9	4761400	Lockwasher 1/4"	4	
10	3311401	Nut 1/4"-20NC	4	
11	1701509*^<>+={	Decal	1	
12		Decal - Warning Options:	2	
	1702279*^	USA/Canada		
	1702553+={	Latin America		
	Not Required	Brazil		
	Not Required	Japanese		
13		Decal - Crushing Hazard Options:	4	
	1702246*^	USA/Canada		
	1702559+={	Latin America		
	1703583<>	Brazil		
	1702350-{	Japanese		
14	1701504*^<>+={	Decal - Hydraulic Oil	1	
15	1702029*^<>+={	Decal - Sizzor	4	
16	1702011*^<>+={	Decal - Commander (Prior to S/N 50299)	2	

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FIGURE 8-1. DECALS INSTALLATION (PRIOR TO S/N 69694) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
17	1702257*^ 1701510+= 1702431+= 1702431<> 1702431-{	Decal - Manual Lowering Valve Options: USA/Canada Latin America (Prior to S/N 57044) Latin America (S/N 57044 to Present) Brazil Japanese	1	
18	1702247*^ 1702592+= Not Required 1702351-{	Decal - Daily Checklist Options: USA/Canada Latin America (Prior to S/N 69694) Brazil Japanese (Prior to S/N 69694)	1	
19	1702259* 1702252* 1702252^ 1704432 1702593+= 1702430<> 1702430-{	Decal Options: Decal - Warning (USA/Canada Model 3369) (Prior to S/N 53019) Decal - Warning (USA/Canada Model 3369) (S/N 53019 to Present) Decal - Warning (USA/Canada - Model 3969) (Prior to S/N 69694) Decal - Warning (USA/Canada - Model 3969) (S/N 69694 to Present) Decal - Warning (Latin America - Model 3369/Model3969) Decal - Manual Descent Instructions (Brazil - Model 3369/Model3969) Decal - Manual Descent Instructions (Japanese - Model 3369/Model3969)	1	
20	1702248*^ 1701858+= Not Required 1701624-{	Decal Options: Decal - Danger - USA/Canada Decal - Danger - Latin America (Prior to S/N 69694) Decal - Brazil Decal Ground Control - Japanese (Prior to S/N 69694)	1	
21	1702153*^ 1702552+= Not Required 1701621-{	Decal - Inspection USA/Canada Latin America Brazil Japanese	1	
22	Consult Factory	Nameplate - Serial Number	1	
23	Not Used			
24	3252336*^ 1703816 3252458+= 1704440 1702543<	Nameplate - Billboard Options: USA/Canada - Model 3369/3969 (Prior to S/N 67192) USA/Canada - Model 3369/3969 (S/N 67192 to Present) Latin America - Model 3369/3969 (Prior to S/N 69694) Latin America - Model 3369/3969 (S/N 69694 to Present) Brazil - Model 3369 (Prior to S/N 69694)	1	

SECTION 8 DECALS

FIGURE 8-1. DECALS INSTALLATION (PRIOR TO S/N 69694) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
24 (cont'd)	1704438	Brazil - Model 3369 (S/N 69694 to Present)		
	1702544>	Brazil - Model 3969		
	3252430-{	Japanese - Model 3369/3969		
25	3820001	Rivet	6	
26	3251813*^<>+={	Decal - USA	1	
27		Nameplate - Capacity Options:	A/R	
	3252338	USA/Canada (Prior to S/N 37139)	2	
	3252450	Latin America (Prior to S/N 37139)	2	
	1703615<>	Brazil	1	
	Not Required	Japanese		
28		Decal - Gate Options:	1	
	1702249*^	USA/Canada		
	1702594+=	Latin America		
	Not Required	Brazil		
	Not Required	Japanese		
29		Plate, Box Mounting Options:	1	
	3538162	Prior to S/N 67192		
	3571691	S/N 67192 to Present		
30		Pad Options:	1	
	3340798	USA/Canada		
	3340564	Latin America		
	3340798	Brazil		
	3340798	Japanese		
31	2820097<>	Tubing, Vinyl	2ft./0.6m	
32	4420067<>={	Tape, Safety Tread	2ft./0.6m	
33		Decal - DC Motor Options:	1	
	Not Required	USA/Canada		
	1701765+=	Latin America		
	Not Required	Brazil		
	1701869-{	Japanese		
34		Decal - Max Tire Load Options: (S/N 29596 to Present)	4	
	1703489*<+-	Model 3369		
	1703490^>={	Model 3969		
35		Nameplate - Capacity Options: (S/N 37139 to Present)	2	
	3252337*	USA/Canada - Model 3369		
	3252338^	USA/Canada - Model 3969		
	3252451+	Latin America - Model 3369		
	3252450=	Latin America - Model 3969		
	3252559<	Brazil - Model 3369		
	3252560>	Brazil - Model 3969		
	3252178-	Japanese - Model 3369		
	3252152{	Japanese - Model 3969		
36	Not Available	Decal - Bar Code (S/N 45740 to Present)	1	

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FIGURE 8-1. DECALS INSTALLATION (PRIOR TO S/N 69694) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
37		Decal - Attach Lanyard Here Options: (S/N 50299 to Present)		
	1702612	USA/Canada		
	1702690	Latin America		
	1703900	Brazil		
	Not Required	Japanese		
38 to 46	Not Used			
47	1703814	Decal - Tie Down	4	
48	1403703	Decal - Manual Descent Instructions	1	
	2910039	Decal Kit Installation - Model 3369 (USA/CSA) (Note: Items with * included in kit.)	Ref.	11
	2910026	Decal Kit Installation - Model 3369 (USA/CSA) (Note: Items with ^ included in kit.)	Ref.	11
	2900942	Decal Kit Installation - Model 3369 (Brazil) (Note: Items with < included in kit.)	Ref.	3
	2900943	Decal Kit Installation - Model 3969 (Brazil) (Note: Items with > included in kit.)	Ref.	3
	2900969	Decal Kit Installation - Model 3369 (Latin America) (Note: Items with + included in kit.)	Ref.	6
	2910049	Decal Kit Installation - Model 3969 (Latin America) (Note: Items with = included in kit.)	Ref.	5
	2910053	Decal Kit Installation - Model 3369 (Japanese) (Note: Items with - included in kit.)	Ref.	5
	2910050	Decal Kit Installation - Model 3969 (Japanese) (Note: Items with {included in kit.)	Ref.	5

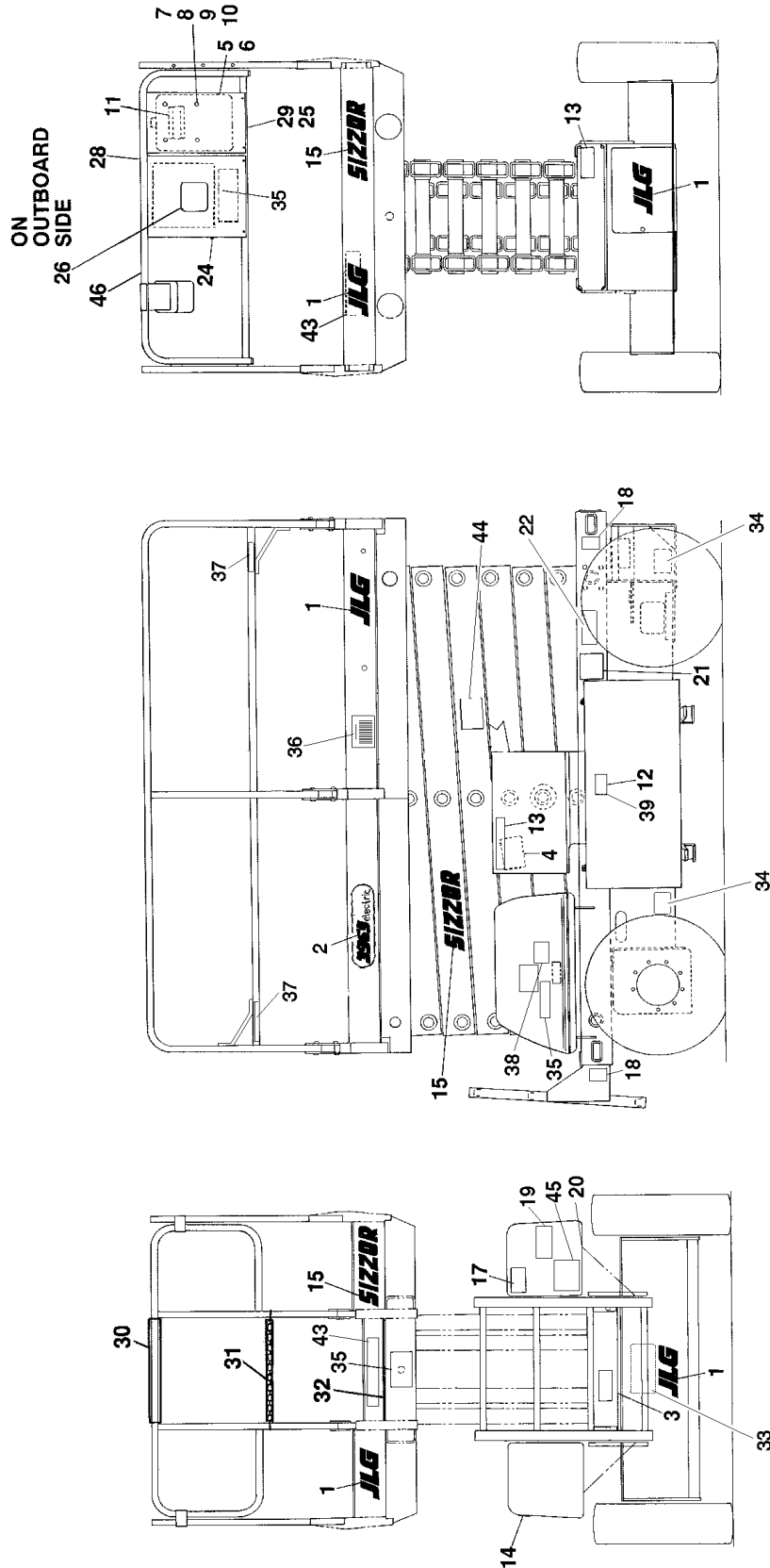
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FIGURE 8-1. DECALS INSTALLATION (PRIOR TO S/N 69694) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 8-2.DECALS INSTALLATION (S/N 69694 TO PRESENT)



SECTION 8 DECALS

FIGURE 8-2. DECALS INSTALLATION (S/N 69694 TO PRESENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DECAL INSTALLATIONS OPTIONS:		
	0271016	Decal Installation - Common	Ref.	1
	0259828	Decal Installation - Model 3369 (USA/Canada)	Ref.	5
	0259873	Decal Installation - Model 3369 (Latin America)	Ref.	3
	0259872	Decal Installation - Model 3369 (Brazil)	Ref.	3
	0259874	Decal Installation - Model 3369 (Japanese)	Ref.	3
1		Decal - JLG Options:	6	
	1702773	Prior to S/N 71506		
	1702009	S/N 71506 to S/N 81602		
	1701871	S/N 81602 to Present		
2	1702255	Decal - Model	2	
3		Decal - Electrical Hazard Options:	1	
	1703823	USA/Canada		
	1703842	Latin America		
	1703834	Brazil		
	1703850	Japanese		
4	1704404	Decal - Safety Prop	2	
5	0860520	Box, Manual Storage	1	
6	1060279	Cable, Lanyard	1	
7	0641405	Bolt 1/4"-20NC x 5/8"	4	
8	4751400	Flatwasher 1/4"	4	
9	4761400	Lockwasher 1/4"	4	
10	3311401	Nut 1/4"-20NC	4	
11	1703788	Decal, Manual	1	
12		Decal - Warning-Battery Vent Options:	2	
	1703813	USA/Canada		
	1703840	Latin America		
	Not Required	Brazil		
	Not Required	Japanese		
13		Decal - Crushing Hazard Options:	3	
	1703818	USA/Canada		
	1703841	Latin America		
	1703833	Brazil		
	1703849	Japanese		
14	1703812	Decal - Hydraulic Oil	1	
15	1702029	Decal - Sizzor (Prior to S/N 81602)	4	
16	1703819	Decal - Directional Arrow	1	
17		Decal - Manual Lowering Valve Options:	1	
	1702257	USA/Canada		
	1702976	Latin America		
	1703543	Brazil		
	1703004	Japanese		
18	1703814	Decal - Tie Down	4	

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FIGURE 8-2. DECALS INSTALLATION (S/N 69694 TO PRESENT) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
19		Decal - Crushing Options:	1	
	1704432	USA/Canada		
	1702593	Latin America (Prior to S/N 71605)		
	1704439	Latin America (S/N 71605 to Present)		
	Not Required	Brazil		
	Not Required	Japanese		
20	1703703	Decal - Manual Descent Instructions	1	
21		Decal - Inspection	1	
	1702153	USA/Canada		
	1702552	Latin America		
	Not Required	Brazil		
	1701621	Japanese		
22	Not Available	Nameplate - Serial Number	1	
23		Decal - AC Power Options (Not Shown):	1	
	1703464	USA/Canada		
	Not Required	Latin America		
	Not Required	Brazil		
	Not Required	Japanese		
24		Decal - Danger/Warning Options:	1	
	1703816	USA/Canada		
	1703843	Latin America		
	1703835	Brazil		
	1704278	Japanese		
25	3820001	Rivet	6	
26	3251813	Decal - USA	1	
27		Nameplate - Capacity Options:	A/R	
	Not Required	USA/Canada	0	
	Not Required	Latin America	0	
	1703615	Brazil (Prior to S/N 69694)	1	
	Not Required	Brazil (S/N 69694 to Present)	0	
	Not Required	Japanese		
28		Decal - Gate Options:	1	
	1702249	USA/Canada		
	1702594	Latin America		
	Not Required	Brazil		
	Not Required	Japanese		
29	3571691	Plate, Billboard	1	
30		Pad Options:	1	
	3340798	USA/Canada		
	3340564	Latin America		
	3340798	Brazil		
	3340798	Japanese		
31	2820097	Tubing, Mesh	2ft./0.6m	
32	4420067	Tape, Safety Tread	2ft./0.6m	

SECTION 8 DECALS

FIGURE 8-2. DECALS INSTALLATION (S/N 69694 TO PRESENT) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
33		Decal - DC Motor Options:	1	
	Not Required	USA/Canada		
	1701765	Latin America		
	Not Required	Brazil		
	1701869	Japanese		
34	1703489	Decal - Max Tire Load	4	
35	3252643	Nameplate - Capacity Options:	3	
36	Not Available	Decal - Bar Code	1	
37		Decal - Attach Lanyard Here Options:		
	1704277	USA/Canada		
	1704277	Latin America		
	1704277	Brazil		
	Not Required	Japanese		
38 to 45	Not Used			
46		Decal - Control Box Location Options (S/N 71506 to Present):	1	
	1703821	USA/Canada		
	1703837	Latin America		
	1703829	Brazil		
	1703845	Japanese		

SECTION 8 DECALS

FIGURE 8-2. DECALS INSTALLATION (S/N 69694 TO PRESENT) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODELS 3369/3969 Electrical Sizzor

The following list will service fleets of machines (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.

JLG PART NUMBER	DESCRIPTION	QTY PER FLEET		
		1-10	10-20	20 OR MORE
	STANDARD PARTS			
3990053	Sensor, Tach Drive (Figure 1-2)	1	1	1
2400053	Fuse (Standard Machines) (Figure 1-5)	2	2	2
2400045	Fuse (UL Machines) (Figure 1-5)	2	2	2
7013310-ES	Controller, Sevcon (Figure 1-5)	1	1	1
7013312	Fuse - 200 Amp (Figure 1-5)	2	2	2
7013314	Circuit Board (Figure 1-5)	1	1	1
4360371	Sensor, Level (Figure 1-5)	1	1	1
4360349	Sensor, Level (Figure 1-5)	1	1	1
4360300	Switch, Limit (Figure 1-5)	1	1	1
7011593	Fuse, DC (Figure 1-6)	2	2	2
7011597	Fuse, AC (Figure 1-6)	2	2	2
7011518	Transformer, Control (Figure 1-6)	1	1	1
1340052	Breather (Figure 2-1)	1	2	3
2120072	Element, Hydraulic Filter (Figure 2-1)	4	8	12
7012752	Coil (Figure 2-3)	1	1	1
4360473	Switch, Key (Figure 2-6)	1	1	1
2860030	Key, Replacement (Figure 2-6)	1	1	1
4360314	Switch, Toggle (Figures 2-6)	1	1	1
3740087	Relay (Figure 2-6)	1	1	1
4360339	Switch, Push Button (Figure 4-4)	1	1	1
4360267	Contact, Switch Block (Figures 4-4)	1	1	1
4360475	Switch, Push/Pull (Figure 4-4)	1	1	1
4360328	Switch, Toggle (Figures 4-4)	1	1	1
1600301	Controller, PQ (Figure 4-4)	1	1	1
4360445	Potentiometer (Figure 4-4)	1	1	1
4360475	Switch (Figure 4-4)	1	1	1
4360112	Breaker, Circuit (Figure 4-4)	1	1	1
3990010	Diode (Figure 7-1)	2	2	2
3990001	Diode (Figure 7-1)	2	2	2
	VARIABLE PARTS			
4360277	Switch, Limit (When Equipped) (Figure 4-1)	1	1	1
4360313	Switch, Proximity (3969) (Figure 5-1)	1	1	1

SECTION 9 RECOMMENDED SERVICE PARTS

MODELS 3369/3969 Electrical Sizzor

The following list will service fleets of machines (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.

JLG PART NUMBER	DESCRIPTION	QTY PER FLEET		
		1-10	10-20	20 OR MORE

SECTION 10 SPECIAL OPTIONS

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

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
10-1		MISCELLANEOUS SPECIAL OPTIONS	Ref.	
	0256789	Camera Mount Assembly	Ref.	
	1702788	Decal - Biodegradable Oil	Ref.	
	0255537	Decal Installation - UL	Ref.	
	0270953	Decal Installation - United Rentals	Ref.	
		Electrical Connector Kits	Ref.	
	1001148902	Amp/Tyco Electrical Connector Kit	Ref.	
	1001148903	Deutsch DT Electrical Connector Kit	Ref.	
	1001148904	Deutsch HD Electrical Connector Kit	Ref.	
	1001148905	Packard Electrical Connector Kit	Ref.	
	1001148906	Various Electrical Connectors Kit	Ref.	
	0258701	110Volt Inverter Installation	Ref.	
	0259446	Nameplate - CSA	Ref.	
	0255241	Overload Protection Installation - Japanese Machines (Located at Lift Cylinder) (Prior to S/N 75625)	Ref.	
	0270411	Overload Protection Installation - Japanese Machines (Located at Lift Cylinder) (S/N 75625 to present)	Ref.	
	0252529	Overload By-Pass Limit Switch Installation - Japanese Machines (Located on Frame at Arms)	Ref.	
	0257049	Pipe Rack Installation	Ref.	
	0270333	Platform Bumper Padding	Ref.	
	2901815	Kit, Tie Straps	Ref.	
		Technical Publication Supplements	Ref.	
	3120348	Mac Battery Charger Supplement (USA/Canada)	1	
	3120385	Mac Battery Charger Supplement (Latin America/English Language)	1	
	3122012	Mac Battery Charger Supplement (Latin America/Spanish Language)	1	
	3122013	Mac Battery Charger Parts Supplement (Latin America)	1	
	3122007	Mac Battery Charger Supplement (Japanese/English Language)	1	

SECTION 10 SPECIAL OPTIONS

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

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	3120367	Mac Battery Charger Supplement (Japanese/Japanese Language)	1	
	3120351	PQ Controller Supplement	1	
	3120322	Spec Data Handbook	1	
		Tools For Service:	Ref.	
	8896941	Wire Stripper	1	
	7002821	Wire Crimper (To Install Wire Ends to Wires)	1	
	7002823	Pin/Socket Extractor - Universal (To Remove Pins/Sockets from Connectors)	1	
	4460467	Extractor - 16-18 Gauge (For Removal of Pin/s/Sockets for Deutsch Connectors)	1	
	4460510	Extractor - 12-14 Gauge (For Removal of Pin/s/Sockets for Deutsch Connectors)	1	
	7002822	Screwdriver, Potentiometer (To Adjust Drive Controller)	1	
	7016654	Screwdriver, Magnetic	1	
	7004275	Seal Installation Tool - 1"	1	
	7004276	Seal Installation Tool - 1 1/2"	1	
	7002826	Seal Installation Tool - 2"	1	
	7002820	Arbor Kit (For Installation of Garmax and Excelite Bushing)	1	
	2900832	Calibrator Kit	1	

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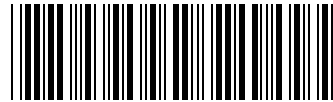
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