



Illustrated Parts Manual

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

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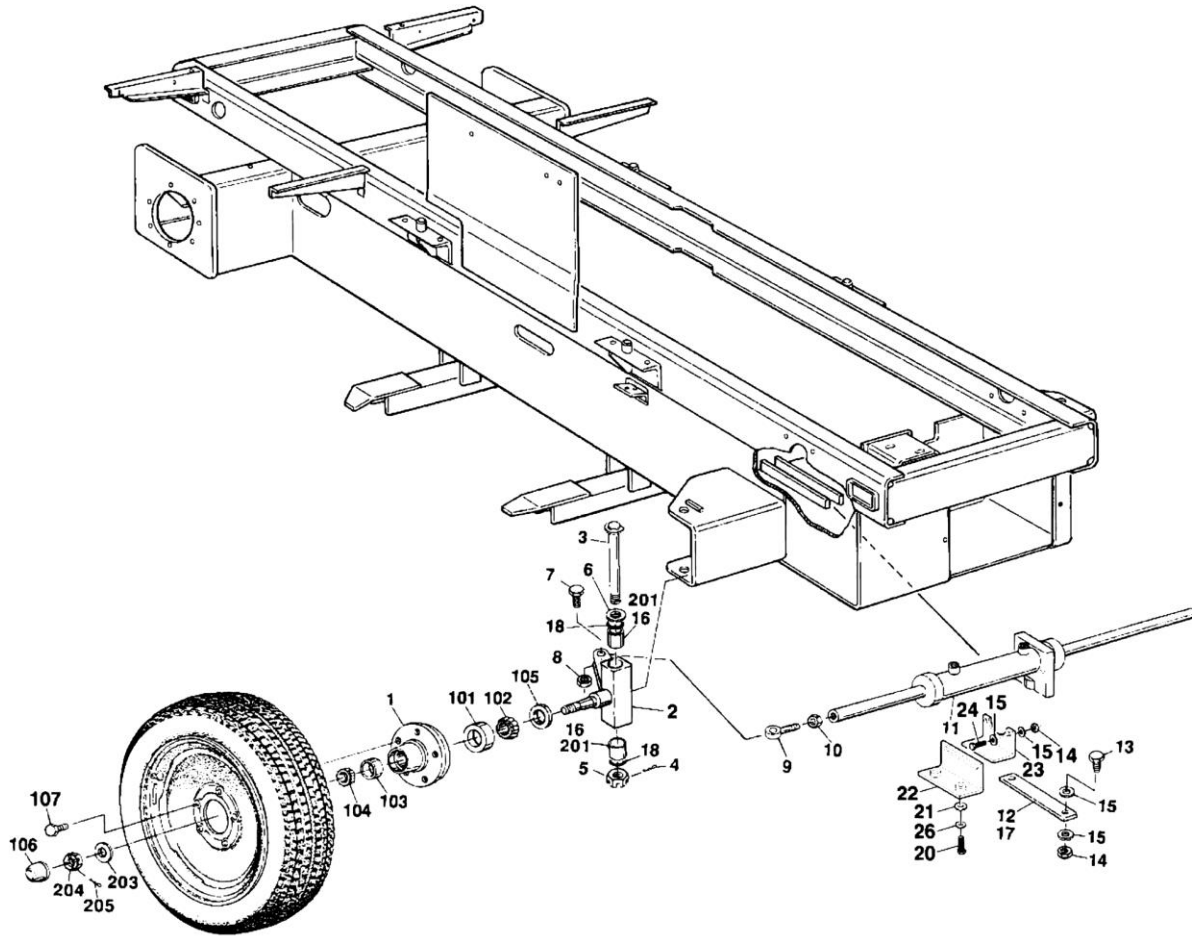
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SECTION 1 - FRAME

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FIGURE 1-1. FRAME AND STEERING INSTALLATION



SECTION 1 - FRAME

FIGURE 1-1. FRAME AND STEERING INSTALLATION

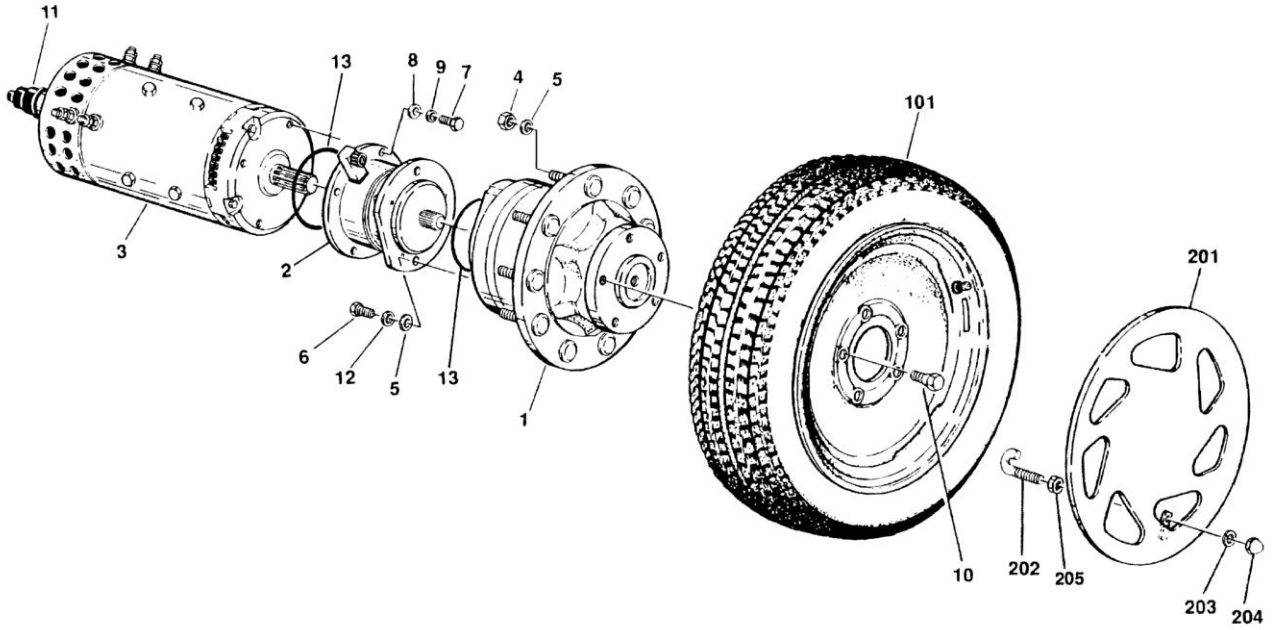
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	FRAME AND STEERING INSTALLATION	
		Ref	Frame Weldment Options:	
	2360370	1	Frame Weldment 3369/3969electric (Prior to SN 71506)	
	2360534	1	Frame Weldment 3369electric (SN 71506 to Present)	
		Ref	STEERING AND SPINDLES INSTALLATION OPTIONS:	
	0252243	Ref	Steering and Spindles - Standard	8
	0255552	Ref	Steering and Spindles - CSA	5
1	1001139010	2	Hub Assembly (Includes Items 101-107) (was p/n 2780186)	
2		Ref	Spindle Options:	
2	4130286	2	Standard	
2	4130327	2	CSA	
3	3421988	2	Kingpin	
4	3450810	2	Pin, Cotter 1/4in x 2 1/2in	
5	3313003	2	Nut, Slotted 1 1/4in - 7NC	
6	0440162	2	Washer, Thrust	
7	0642016	2	Bolt 5/8in-18NC x 2in	
8	3312005	2	Locknut 5/8in-18NC	
9	3841146	2	Rod-End	
10	3322002	2	Nut, Jam 5/8in-18NC	
11	1683695	1	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown) (was p/n 1682527) (Prior to SN 47596)	
11	1683695	1	Steer Cylinder Assembly (See CYLINDER SECTION for Breakdown) (SN 47596 to Present)	
12	3340644	1	Pad, Wear	
13	0641510	2	Bolt 5/8in-18NC x 1 1/4in	
14	3311505	4	Locknut 5/8in-18NC	
15	4751500	8	Flatwasher 5/16in	
16	3020022	AR	Grease	
17	4070809	AR	Shim	
18	3780182	4	O-Ring	
20	0641608	2	Bolt 3/8in-16NC x 1in (SN 80825 to Present)	
21	4740453	2	Flatwasher 3/8in (SN 80825 to Present)	
22	0182002	1	Angle (SN 80825 to Present)	
23	0182000	1	Angle (SN 80825 to Present)	
24	0641514	2	Bolt 5/16in-18NC x 1 3/4in (SN 80825 to Present)	
25	0100019	AR	Loctite (Not Shown) (SN 80825 to Present)	
26	4711600	2	Flatwasher 3/8in (Narrow) (SN 82838 to Present)	
		Ref	HUB ASSEMBLIES	
	2780186	Ref	Original Equipment	C
	1001139010	Ref	Service Replacement	A
		Ref	Note: Original Equipment components may have been replaced with Service Replacement components, Identify hub by bolts or studs before ordering parts.	
101	Kit	2	Cup, Bearing - Inner (1 Per Hub)	
102	Kit	2	Cone, Bearing - Inner (1 Per Hub)	
103	Kit	2	Cup, Bearing - Outer (1 Per Hub)	
104	Kit	2	Cone, Bearing - Outer (1 Per Hub)	
105	Kit	2	Seal (1 Per Hub)	
106	1001102354	2	Cap, Dust (1 Per Hub) (was p/n 7012524)	
107		Ref	Hardware Options (5 Per Spindle):	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	0630016	10	Bolt, Wheel 1/2in x 20NF (Hub Assembly - 2780186)	
107	7016360	10	Stud, Wheel 1/2in x 20NF (Hub Assembly - 1001139010)	
107	3300407	10	Nut, Wheel 1/2in x 20NF (Hub Assembly - 1001139010)	
	2900804	2	Bearing and Seal Kit (Includes Qty 1 Items 101-105) (1 Per Hub) (Hub Assemblies 2780186 & 1001139010)	
	4130286	Ref	SPINDLE WELDMENT - STANDARD	A
	4130327	Ref	SPINDLE WELDMENT - CSA	-
201	0961621	2	Bushing, Bronze (2 Per Spindle)	
203	7012542	2	Washer (1 Per Spindle)	

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FIGURE 1-2. TIRE AND WHEEL DRIVE INSTALLATION



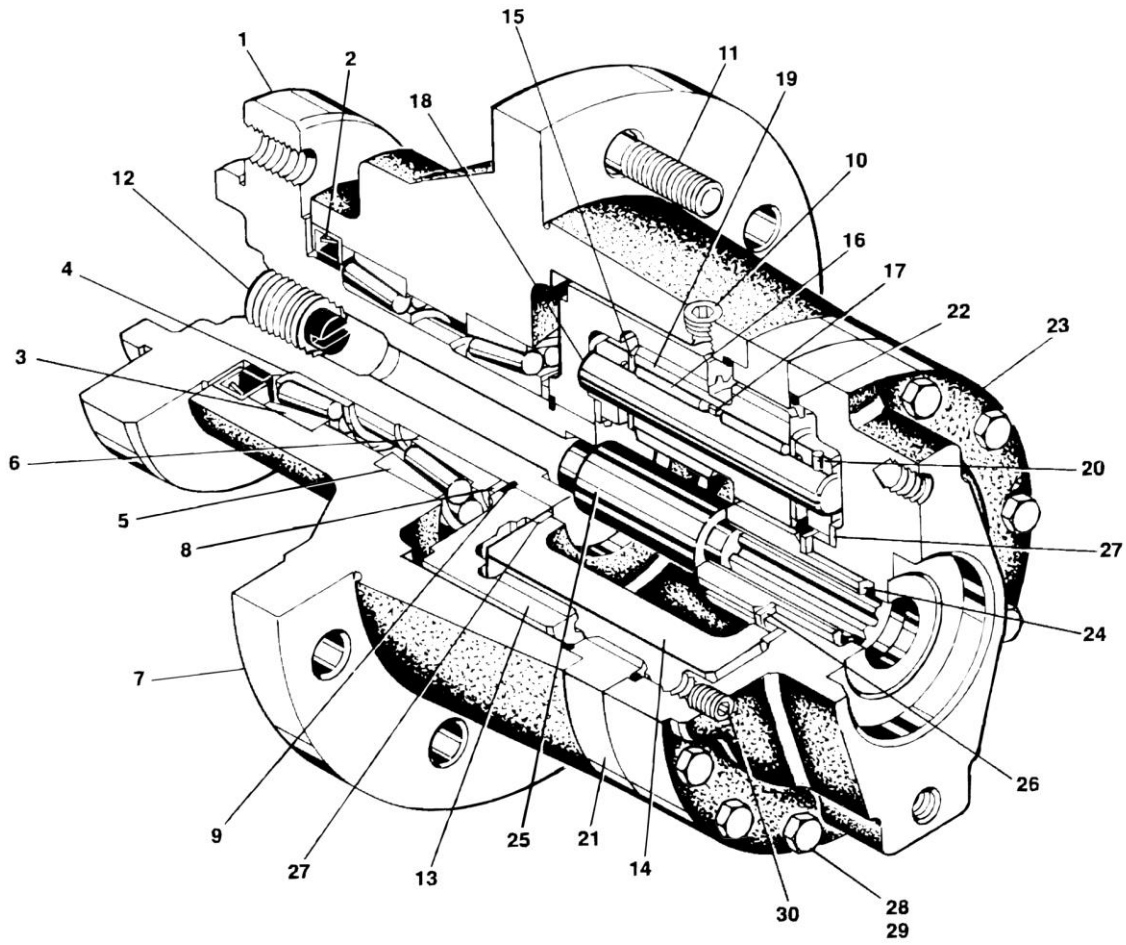
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FIGURE 1-2. TIRE AND WHEEL DRIVE INSTALLATION

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

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FIGURE 1-3. DRIVE HUB ASSEMBLY



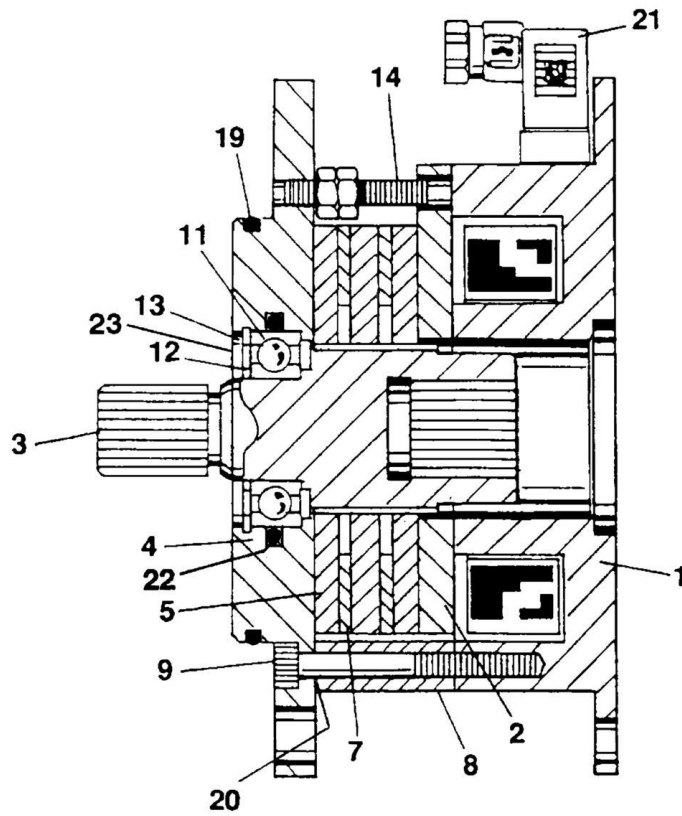
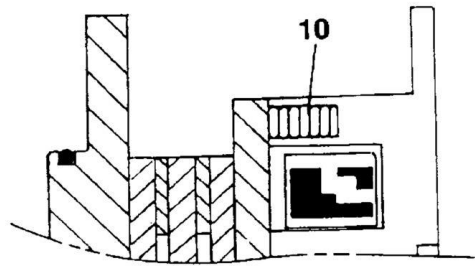
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FIGURE 1-3. DRIVE HUB ASSEMBLY

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

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FIGURE 1-4. DRIVE BRAKE ASSEMBLY



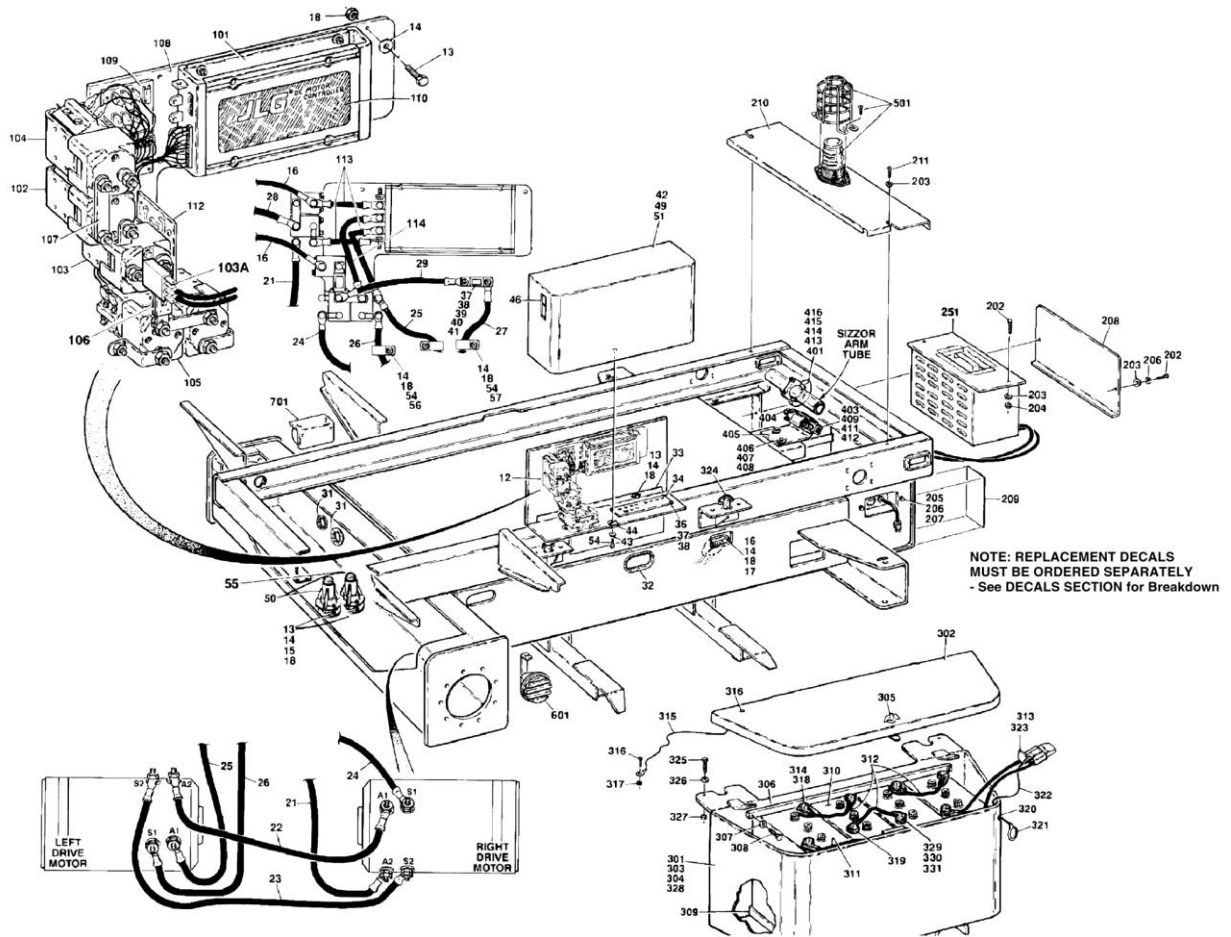
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FIGURE 1-4. DRIVE BRAKE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0920090	Ref	DRIVE BRAKE ASSEMBLY	A
1	7012552	1	Magnet and Coil Assembly	
2	7012582	1	Armature	
3	7012554	1	Shaft	
4	Not Available	1	Plate, Mounting	
5	Kit	3	Plate, Friction (Solid)	
7	Kit	2	Plate, Outer	
8	7012692	3	Spacer	
9	7014116	3	Bolt, Metric Socket Head	
10	Kit	8	Spring, Compression	
11	7026609	1	Bearing, Ball	
12	7014129	1	Ring, Retainer (External)	
13	7014130	1	Ring, Retainer (Internal)	
14	7012689	3	Manual Release Assembly	
19	3790240	1	O-Ring	
20	7012691	AR	Shim	
21	7012580	1	Connector, Electrical	
22	3790225	1	O-Ring (January 1995 to Present)	
23	7014128	1	Seal (SN 73241 to Present)	
	7012583	1	Repair Kit (Includes Items 5, 7, 10, 11 & 22)	

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



SECTION 1 - FRAME

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DRIVE CONTACTOR INSTALLATION OPTIONS:	
	0254491	Ref	Standard (Prior to SN 71506)	10
	0255203	Ref	Standard (SN 71506 to Present)	8
	0256908	Ref	UL	2
12	0254549	1	Contactors Plate Assembly (Includes Items 101-111 and other diodes, coils, fuse and wiring) (Purchase fuses locally)	
13	0641408	9	Bolt 1/4in-20NC x 1in	
14	4711400	AR	Flatwasher 1/4in	
16	1060540	1	Cable Assembly	
17	0641416	4	Bolt 1/4in-20NC x 2in	
18	3311405	AR	Locknut 1/4in-20NC	
21	1060549	1	Cable - 105in/267cm	
22	1060429	1	Cable - 39in/99cm	
23	1060430	1	Cable - 36in/91.5cm	
24	1060550	1	Cable - 108in/274cm	
25	1060551	1	Cable - 90in/228cm	
26	1060552	1	Cable - 90in/228cm	
27	1060553	1	Cable - 90in/228cm	
28	1060554	1	Cable - 108in/274cm	
29	1060555	1	Cable - 18in/46cm	
31	2540023	2	Grommet	
32	4060805	15	Flex-Trim (Prior to SN 56587)	
		in/38cm		
32	4060807	15	Flex-Trim (SN 56587 to Present)	
		in/38cm		
33		Ref	Plate, Mounting Options:	
33	3537950	1	Plate, Mounting (Prior to SN 75352)	
33	3572196	1	Plate, Mounting (SN 75352 to Present)	
34	1320216	1	Clamp, Cable (Prior to SN 75352)	
36		Ref	Screw Options:	
36	0721006	7	Screw #10-24NC x 3/4in (Prior to SN 75352)	
36	0721008	4	Screw #10-24NC x 1in (SN 75352 to Present)	
37	4751000	13	Flatwasher #10	
38	3311005	6	Locknut #10-24NC	
39	2400044	1	Fuseblock	
40		Ref	Fuse Options:	
40	2400045	1	Fuse Standard (Prior to SN 28687)	
40	2400053	1	Fuse Standard (SN 28687 to Present)	
40	2400045		UL	
41	0741010	2	Screw, Countersunk #10-24NC x 1 1/8in	
42	4060873	1	Cover, Controller	
43	4751400	1	Flatwasher 1/4in	
44	3300353	1	Nut, Tinnerman	
46	2560126	1	Handle, Pull	
49	4420008	7 ft/2m	Tape, Seal	
50	4360371	1	Sensor, Level - 4.5	
50	7012608	1	Fuse - 1.5 Amp (Black Version Only - Not Required on Blue and Orange Versions)	
51	1702310	1	Decal - Cable Rounting	
53	0100048	AR	Sealant, Silicone RTV (Not Shown)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
54	0641406	4	Bolt 1/4in-20NC x 3/4in	
55	4360349	1	Sensor, Level - 2	
56	1320270	2	Clamp, Cable (SN 75352 to Present)	
57	1320061	2	Clamp, Cable (SN 75352 to Present)	
	0254549	Ref	CONTACTOR PLATE ASSEMBLY	
101	7013310-ES	1	Control Module Assembly	
102	7013301	1	Contactors (Changeover)	
102	7013316	1	Tip Repair Kit - 7013301 Contactors	
103	7013306	1	Contactors (Main)	
103	7013317	1	Tip Repair Kit - 7013306 Contactors	
103A	7013332	1	Micro Switches Kit - 7013306 Contactors	
104	7013303	1	Contactors (By-Pass)	
104	7013318	1	Tip Repair Kit - 7013303 Contactors	
105	7013302	1	Contactors (Forward/Reverse)	
105	7013319	1	Tip Repair Kit - 7013302 Contactors	
106	7013312	1	Fuse, Buss - 200 Amp	
107	7013336	1	Bar, Buss	
108	Not Serviced	1	Plate, Mounting	
109	7013307	1	Board, PC	
109	7013314	1	Kit Board, PC	
109	2400005	1	Fuse - 20 Amp	
109	7013322	1	Fuse - 7 Amp	
110	Not Serviced	1	Decal	
111	7013313	1	Harness (Module to Contactors) (Not Shown)	
111	7013325	1	Connector, Electrical - 16 Pin (At PC Board)	
111	7013326	1	Connector, Electrical - 17 Pin (At Control Module)	
111	7013330	5	Connector, Electrical - 6 Pin (At Contactors)	
111	7013327	1	Connector, Electrical - 15 Pin (To JLG Harness)	
111	7013328	1	Connector, Electrical - 4 Pin (To JLG Harness)	
111	7013320	AR	Pin (Use with 7013325 & 7013326 Connectors)	
111	7013329	AR	Socket (Use with 7013327 & 7013328 Connectors)	
111	7013331	AR	Pin (Use with 7013330 Connector)	
112	7013315	1	Resistor/Bracket Assembly	
113	70003552	3	Cable, Electrical (8.5in/21.5cm)	
114	70003553	1	Cable, Electrical (10in/25.4cm)	
		Ref	BATTERY CHARGER INSTALLATION OPTIONS:	
	0254496	Ref	Charger - 110VAC/60HZ - USA/CSA (Non UL)	4
	0255536	Ref	Charger - 110VAC/60HZ - USA/CSA (UL)	-
	0254497	Ref	Charger - 220VAC/50HZ - Latin America (Non UL)	B
	0255627	Ref	Charger - 220VAC/50HZ - Latin America (UL)	-
	0257478	Ref	Charger - 220VAC/60HZ - USA/CSA/Latin America/Brazil (Non UL)	1
	0254498	Ref	Charger - 100VAC 50/60HZ - Japanese Spec	B
202	0641406	3	Bolt 1/4in-20NC x 3/4in	
203	4711400	5	Flatwasher 1/4in Narrow	
204	3311405	1	Locknut 1/4in-20NC	
205	4761400	4	Lockwasher 1/4in	
206	0641408	2	Bolt 1/4in-20NC x 1in	
207	3300181	2	Nut, Retainer 1/4in-20NC	
208	3537637	1	Cover - Front	
209	1701695	1	Decal	
210	4060871	1	Cover - Top	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
211	3900022	2	Screw, Self-Tapping 1/4in-20NC x 3/4in	
251		Ref	Battery Charger Options: (See BATTERY CHARGER ASSEMBLY for Breakdown)	
251	0400102	1	USA/CSA (Non UL) (Prior to SN 60218)	
251	0400162	1	USA/CSA (Non UL) (SN 60218 to Present)	
251	0400124	1	USA/CSA (UL)	
251	0400103	1	Latin America (Non UL)	
251	0400137	1	Latin America (UL)	
251	0400158	1	USA/CSA/Latin American/Brazil (Non UL)	
251	0400105	1	Japanese Spec	
		Ref	BATTERY BOX INSTALLATION OPTIONS:	
	0255087	Ref	Standard	7
	0254276	Ref	Battery Box Installation HI-Output (Prior to SN 75765)	H
	0258444	Ref	Battery Box Installation HI-Output (SN 75765 to Present)	5
301	4844424	2	Battery Box Weldment	
302	1670696	2	Cover, Battery Box	
303		Ref	Cover, Insulator Options:	
303	Not Required	0	Standard	
303	2820063	2	HI-Output	
304	0100065	AR	Adhesive (Prior to SN 36134)	
305	2940073	2	Latch	
306	4565640	2	Tube	
307	4711500	8	Flatwasher 5/16in	
308	0641512	4	Bolt 5/16in-18NC x 1 1/2in	
309	3000003	2	Liner, Tray	
310		Ref	Battery Options:	
310	0400069	8	Battery - 6V225 (Wet)	
310	0400112	8	Battery - 6V225 (Dry)	
310	0400055	8	HI-Output Battery - 6V370 (Wet)	
310	0400107	8	HI-Output Battery - 6V370 (Dry)	
311	1060405	2	Cable Assembly	
312	1060561	6	Cable, Battery (Prior to August 1995)	
312	1060092	6	Cable, Battery (August 1995 to Present)	
313	0100048	AR	Silicone Compound	
314	0100051	AR	Grease, Terminal	
315	1060492	4	Lanyard	
316	0641405	8	Bolt 1/4in-20NC x 5/8in	
317	3311405	8	Locknut 1/4in-20NC	
318	0840031	10	Boot, Terminal - "d" shape	
319	0840032	6	Boot, Terminal - "b" shape	
320		Ref	Gromment Options:	
320	Not Required	0	Standard	
320	2540016	2	HI-Output	
321		Ref	Ring Options:	
321	Not Required	0	Standard	
321	3760170	2	HI-Output	
322		Ref	Cable, Lanyard Options:	
322	Not Required	0	Standard	
322	1060491	2	HI-Output	
323		Ref	Handle, Pull Options:	
323	Not Required	0	Standard	
323	1320172	2	HI-Output	

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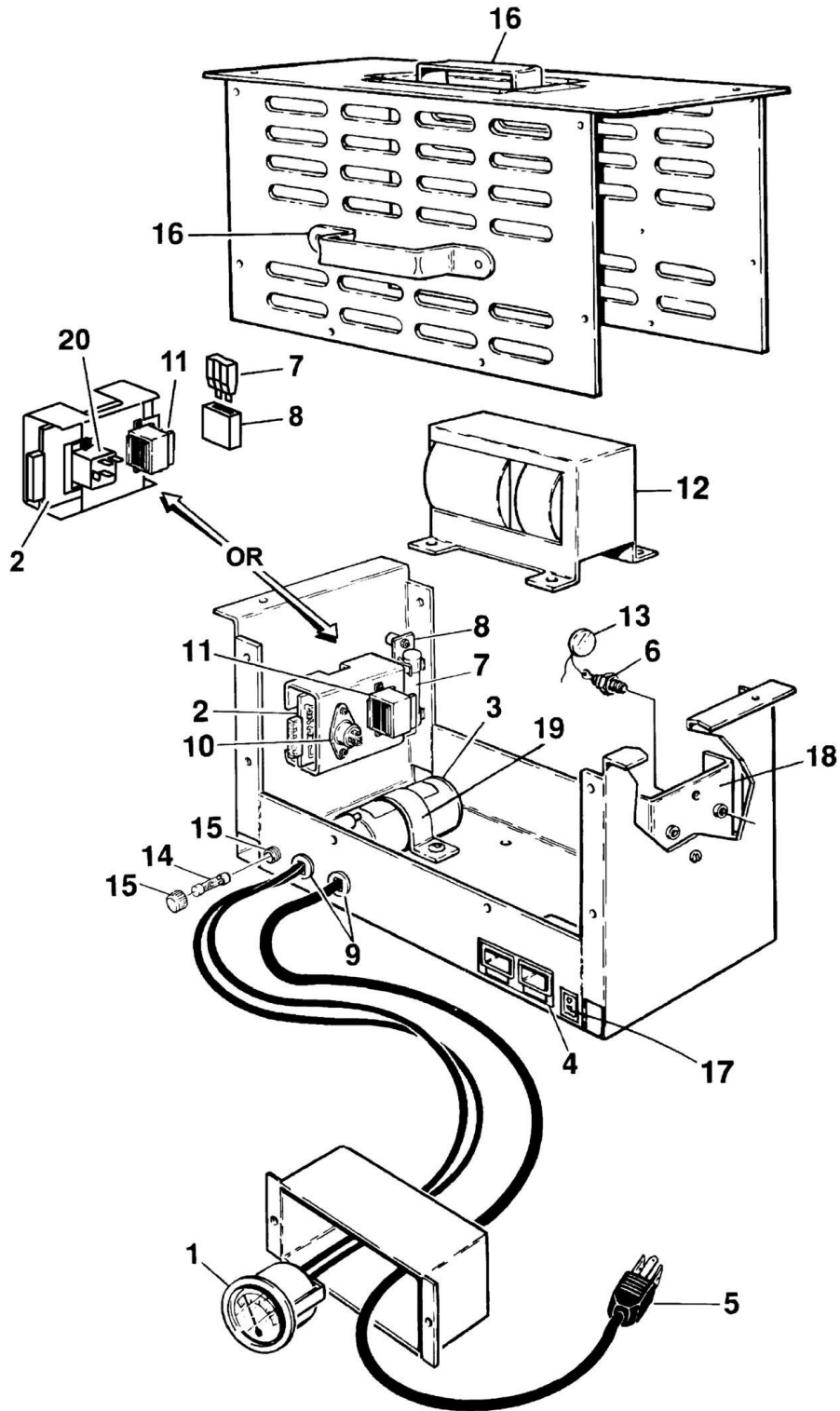
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
324	3421799	4	Pin, Quick Release	
325	0641612	4	Bolt 3/8in-16NC x 1 1/2in	
326	4751600	8	Flatwasher 3/8in	
327	3311605	4	Locknut 3/8in-16NC	
328		Ref	Cover, Insulator Options:	
328	Not Required	0	Standard	
328	1320172	4	HI-Output	
329	3300429	16	Nut 5/16in-18NC Stainless	
330	4740474	16	Lockwasher 5/16in Stainless	
331	0630526	16	Bolt 5/16in-18NC x 1 1/4in Stainless	
	0254482	Ref	DRIVE CUTOUT LIMIT SWITCH INSTALLATION	3
401		Ref	Cam Options:	
401	1100101	1	Cam (was p/n 1100085) (Prior to SN 49916)	
401	1100101	1	Cam (SN 49916 to Present)	
403	4360300	1	Switch, Limit	
404	4460049	1	Stain Relief	
405	0902033	1	Bracket, Mounting	
406	0641408	4	Bolt 1/4in-20NC x 1in	
407	4751400	4	Flatwasher 1/4in	
408	3311405	4	Locknut 1/4in-20NC	
409		Ref	Bolt Options:	
409	3910832	4	Bolt #8-32 x 2in (Prior to SN 49916)	
409	3911032	4	Bolt #10-32 x 2in (SN 49916 to Present)	
410		Ref	Flatwasher Options:	
410	4750800	4	Flatwasher #8 (Prior to SN 49916)	
410	4750800	4	Flatwasher #10 (SN 49916 to Present)	
411		Ref	Lockwasher Options:	
411	4760800	4	Lockwasher #8 (Prior to SN 49916)	
411	4760800	4	Lockwasher #10 (SN 49916 to Present)	
412		Ref	Nut Options:	
412	3310801	4	Nut #8-32 (Prior to SN 49916)	
412	3310801	4	Nut #10-32 (SN 49916 to Present)	
413	1320237	1	Clamp (SN 49916 to Present)	
414	4761400	2	Lockwasher (SN 49916 to Present)	
415	4711400	2	Flatwasher (SN 49916 to Present)	
416	0100019	AR	Loctite #271 (SN 49916 to Present)	
	0254827	Ref	BEACON LIGHT INSTALLATION (OPTIONAL)	A
501	4060865	1	Shield, Cage	
501	2920119	1	Light, Beacon (Prior to SN 23604)	
501	7016319	1	Bulb, Flash Bulb	
501	7016320	1	Lens, Amber	
501	2920146	1	Light, Beacon (SN 23604 to Present)	
501	7016319	1	Bulb, Flash Bulb	
501	7016372	1	Lens, Amber	
501	0721006	2	Screw, Machine #10-24NC x 3/4in	
501	4751000	4	Flatwasher #10	
501	3311005	2	Locknut #10-24NC	
501	1060341	121 in/3m	Cable, Electrical - 16/2	
	0255047	Ref	HORN INSTALLATION OPTIONAL:	3
601	0140028	1	Horn	
601	0641508	1	Bolt 5/16in-18NC x 1in (Prior to SN 71522)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
601	3311501	1	Nut 5/16in-18NC (Prior to SN 71522)	
601	4761500	1	Lockwasher 5/16in (Prior to SN 71522)	
601	1060341	8 ft/2.4m	Cable, Electrical - 16/2	
601	0840026	2	Boot, Terminal	
		Ref	ALARMS INSTALLATIONS:	
	0255046	Ref	Descent	-
	0255044	Ref	Motion	A
	0255045	Ref	Travel (Prior to SN 71506)	B
701	0140031	1	Alarm (Remove ground strap before installation)	
701	0641408	2	Bolt 1/4in-20NC x 1in	
701	3311401	2	Locknut 1/4in-20NC	
701	4761400	2	Lockwasher 1/4in	
701	4711400	4	Flatwasher 1/4in	
701	1060341	7 ft/21m	Cable, Electrical - 16/2	

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FIGURE 1-6. BATTERY CHARGER ASSEMBLY



SECTION 1 - FRAME

FIGURE 1-6. BATTERY CHARGER ASSEMBLY

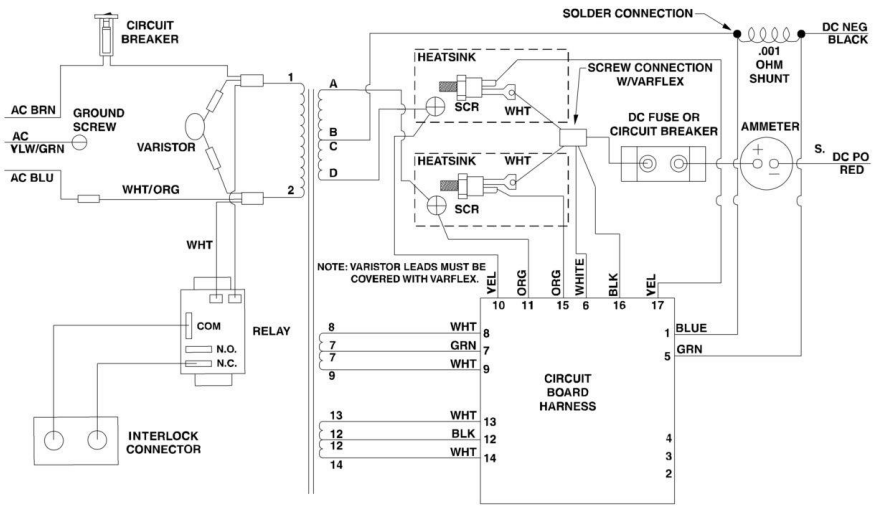
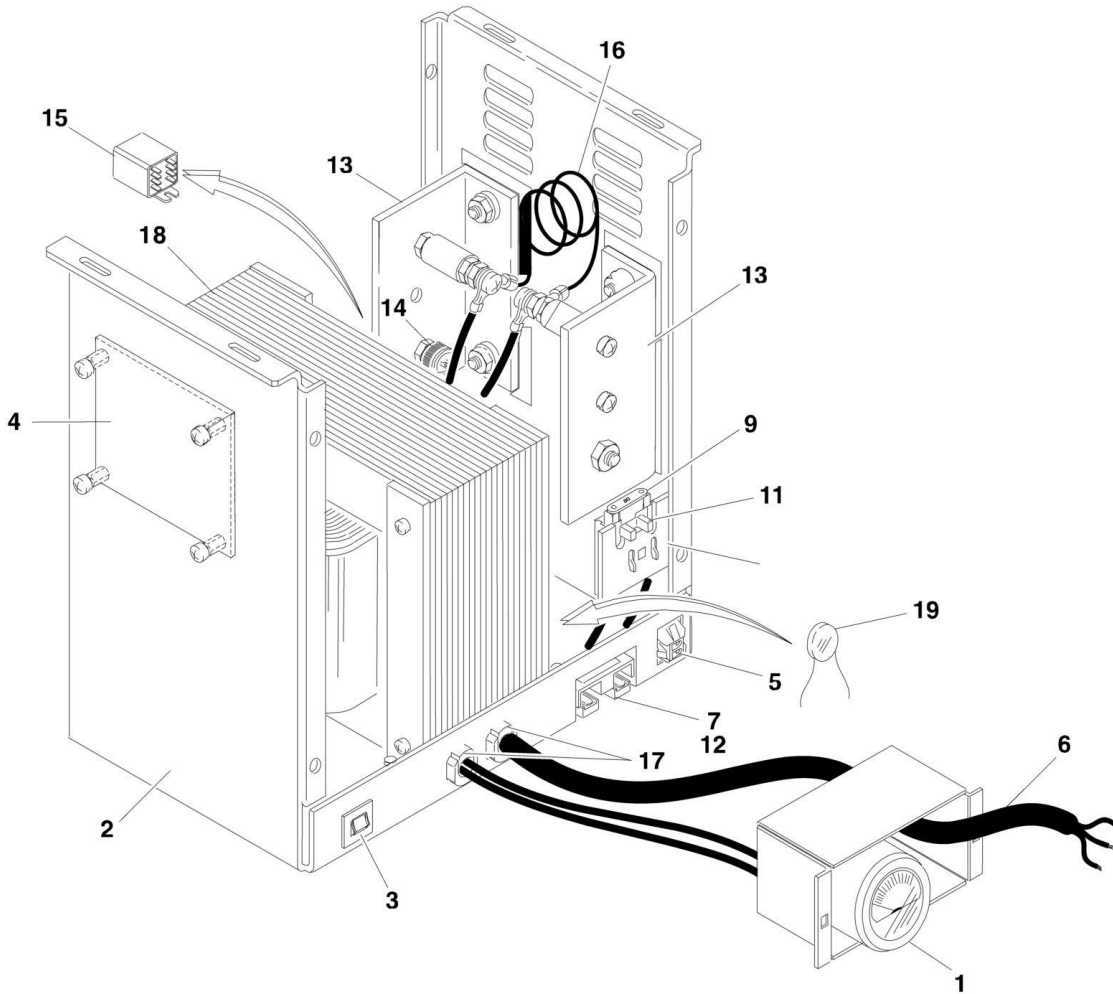
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	BATTERY CHARGER ASSEMBLY	A
	0400102	Ref	Standard 110VAC/60HZ (Prior to SN 60218)	A
	0400162	Ref	Standard 110VAC/60HZ (SN 60218 to Present)	A
	0400124	Ref	UL 110VAC/60HZ (PRODUCTION)	-
	0400124	Ref	UL 110VAC/60HZ (SERVICE REPLACEMENT)	-
	0400103	Ref	Non-UL 220VAC/50HZ	-
	0400137	Ref	UL 220VAC/50HZ	-
	0400158	Ref	Non-UL 220VAC/60HZ (USA/CSA/LATIN AMERICA/BRAZIL)	-
	0400105	Ref	100VAC 50HZ/60HZ (JAPANESE SPEC)	-
		Ref	Note: 0400124 Service Replacement Chargers Use a Relay. 0400124 Production Chargers Use a Triac.	
1	7011573	1	Ammeter	
2		Ref	Board, Circuit Options:	
2	7011662	1	Board, Circuit Prior to January 1995 (Was p/n 7011588) (0400102/0400162/0400124 Production/0400103/0400137/0400105 Chargers)	
2	7011662	1	Board, Circuit January 1995 to Present (0400102/0400162/0400124 Production/0400103/0400137/0400105 Chargers)	
2	7022961	1	0400124 Service Replacement Charger	
2	7011679	1	All 0400158 Chargers (Was p/n 7018538)	
3		Ref	Condenser Options:	
3	7018500	1	0400102/0400124 Production/0400158/0400105 Chargers	
3	7020624	1	0400124 Service Replacement/0400162 Chargers	
3	7011623	1	0400103 Chargers	
3	7011574	1	0400137 Chargers	
4	7011590	1	Connector, DC	
5		Ref	Cord, AC Options:	
5	7011591	1	0400102/0400162/0400105 Chargers	
5	7011643	1	0400124 Production Chargers	
5	7022962	1	0400124 Service Replacement Chargers	
5	7011544	1	0400103 Chargers	
5	7011572	1	0400137 Chargers	
5	7011677	1	0400158 Chargers	
6		Ref	Diode Options:	
6	7011576	2	0400102/0400124 Production/0400103/0400137/0400105 Chargers	
6	7011668	2	0400162/0400124 Service Replacement/0400158 Chargers	
7		Ref	Fuse, DC Options:	
7	7011593	1	0400102/0400162/0400124 Production/0400103/0400137/0400105 Chargers	
7	7020691	1	0400124 Service Replacement Chargers	
7	7018570	1	0400158 Chargers	
8		Ref	Holder, Fuse - DC Options:	
8	7011594	1	0400102/0400162/0400124 Production/0400103/0400137/0400105 Chargers	
8	7018571	1	0400124 Service Replacement/0400158 Chargers	
9		Ref	Connector, Strain Relief Options:	
9	7011528	3	0400102/0400124 Production/0400105 Chargers	
9	7011646	2	0400124 Service Replacement/0400162 Chargers	
9	7011646	2	0400103 Chargers (AC Cord)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
9	7011528	1	0400103 Chargers (DC Cord)	
9	7011528	1	0400137 Chargers	
9	7011646	1	0400158 Chargers	
9	7020659	1	0400124 Service Replacement Chargers (DC Cord)	
10		Ref	Triac Options:	
10	7011517	1	0400102/0400124 Production/0400103/0400137/0400105 Chargers	
10	7018572	1	0400162/0400158 Chargers	
10	Not Required	0	0400124 Service Replacement Chargers	
11		Ref	Transformer, Control Options:	
11	7011518	1	0400102/0400162/0400124 Production/0400124 Service Replacement/0400105 Chargers	
11	7011551	1	0400103/0400137/0400158 Chargers	
12		Ref	Transformer, Main Options:	
12	7011595	1	0400102 Chargers (Was p/n 7011622)	
12	7018574	1	0400162 Chargers	
12	7011595	1	0400124 Production/0400105 Chargers	
12	7022963	1	0400124 Service Replacement Chargers	
12	7011598	1	0400103/0400137 Chargers	
12	7018573	1	0400158 Chargers	
13		Ref	Varistor Options:	
13	7011596	1	0400102/0400105/0400124 Service Replacement Chargers	
13	7011584	1	0400162/0400124 Production/0400124 Service Replacement/0400103/0400137/0400158 Chargers	
14		Ref	Fuse, AC Options:	
14	7011597	1	0400102/0400105 Chargers	
14	7011645	1	0400162/0400124 Production/0400124 Service Replacement Chargers	
14	7011508	1	0400103/0400137 Chargers	
14	7018569	1	0400158 Chargers	
15	7011507	1	Holder, Fuse - AC	
16	Not Available	2	Handle	
17	7011621	1	Connector, Enable Switch	
18		Ref	Heatsink Options:	
18	7011610	1	0400102/0400103/0400137 Chargers	
18	7018539	1	0400124 Service Replacement/0400162/0400158 Chargers	
18	7011611	1	0400124 Production Chargers	
18	7011628	1	0400105 Chargers	
19	7011511	1	Strap, Condenser	
20	7018506	1	Relay (0400124 Service Replacement Charger Only)	
21	7020687	1	Harness, Relay (0400124 Service Replacement Charger Only - Not Shown)	

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



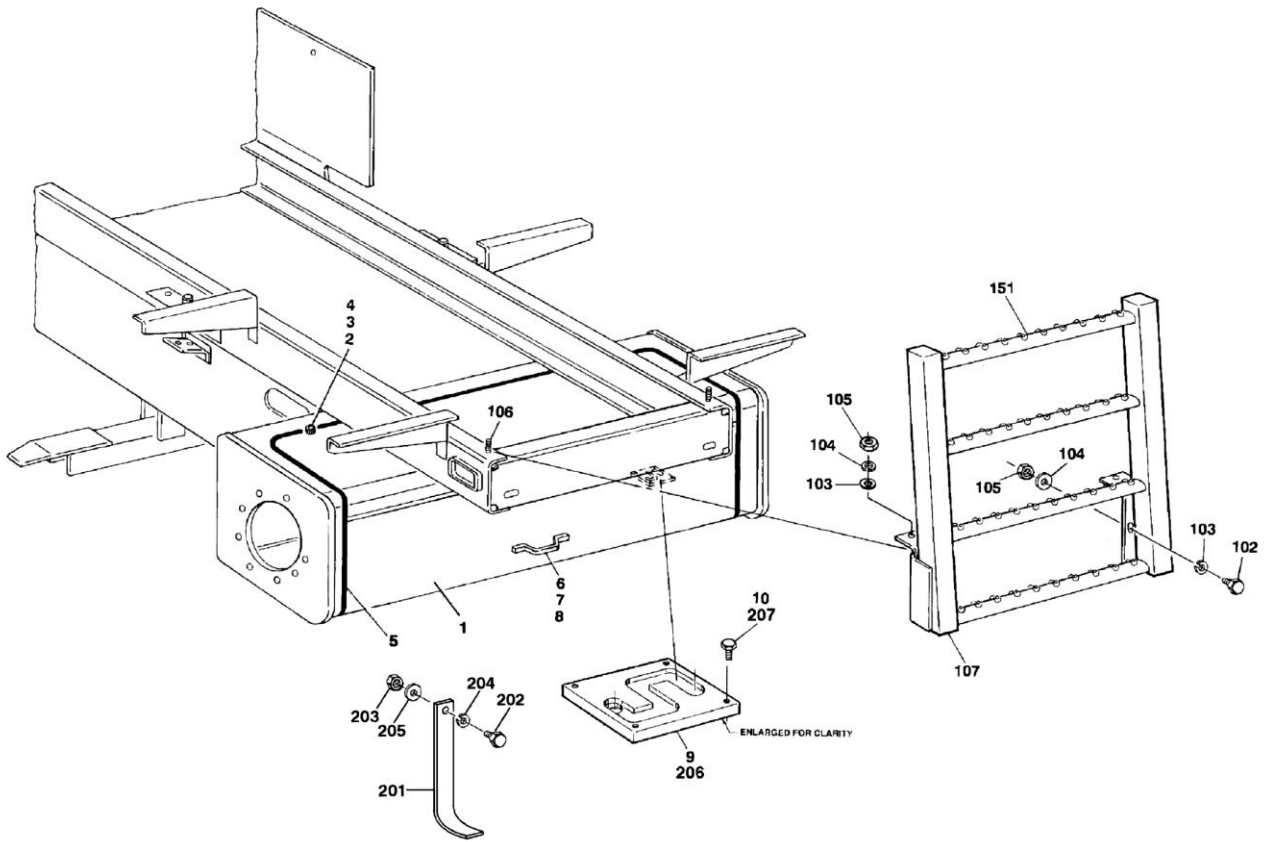
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FIGURE 1-7. BATTERY CHARGER ASSEMBLY - 220VAC/50HZ (SERVICE REPLACEMENT)

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

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FIGURE 1-8. FRAME MOUNTED COMPONENTS INSTALLATION



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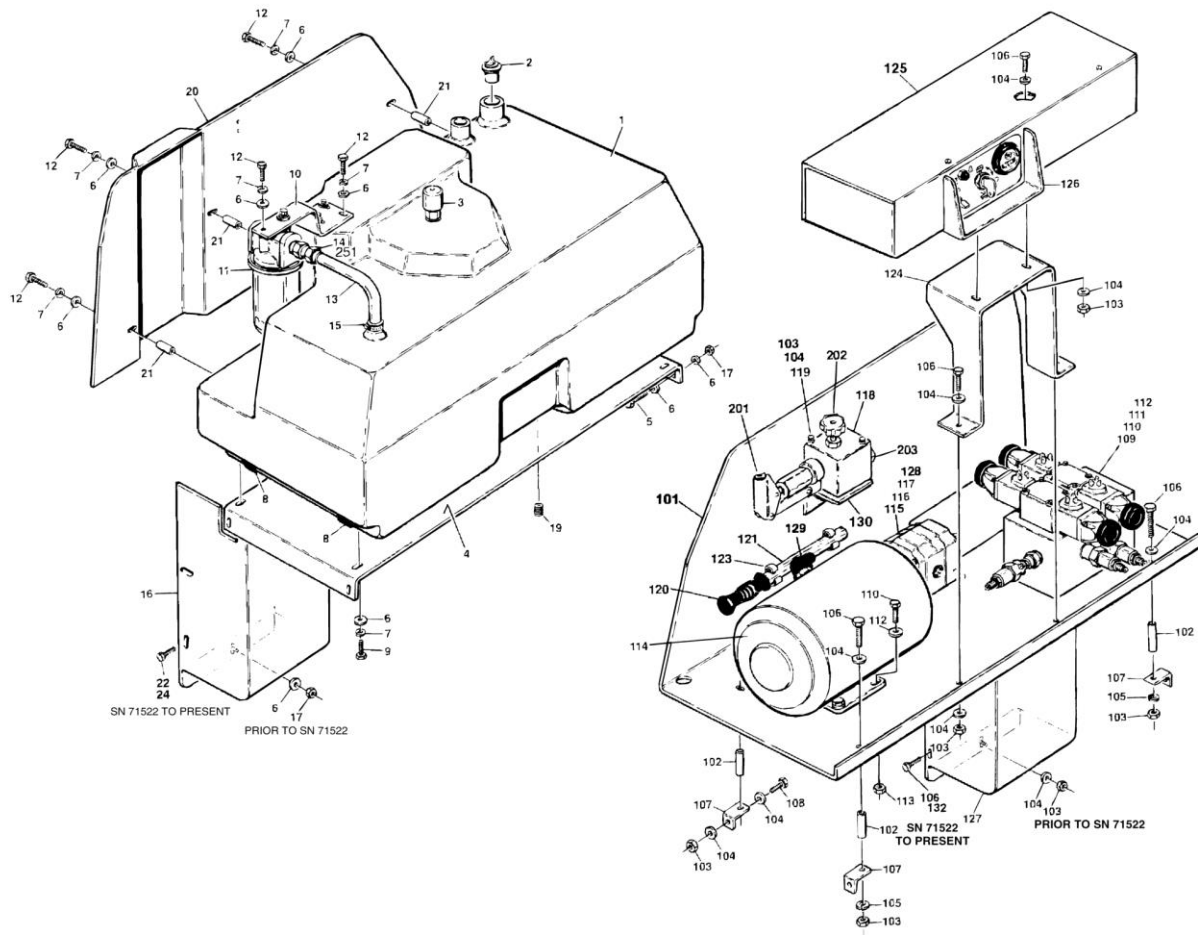
FIGURE 1-8. FRAME MOUNTED COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0253995	Ref	AXLE COVER INSTALLATION	3
1	3538294	1	Cover	
2	3900174	4	Thumbscrew	
3	3760308	4	Retainer	
4	1380138	4	Clip, Receptacle	
5	3960447	11.5 ft/3.5m	Seal	
6	2560003	1	Handle	
7	3820020	4	Rivet	
8	4751000	4	Flatwasher #10	
9	3538157	2	Plate, Drain (Prior to SN 70891)	
10	0791004	8	Screw #10 x 1/2in (Prior to SN 70891)	
		Ref	LADDER INSTALLATION OPTIONS:	
	0254459	Ref	Ladder Installation Model 3369 (Prior to SN 33424)	A
	0257335	Ref	Ladder Installation Model 3369 (SN 33424 to Present)	4
	0254461	Ref	Ladder Installation Model 3969 (Prior to SN 33811)	A
	0257334	Ref	Ladder Installation Model 3969 (SN 33811 to Present)	4
102	0641610	2	Bolt 3/8in-16NC x 1 1/4in (Prior to SN 56271)	
102	0641612	4	Bolt 3/8in-16NC x 1 1/2in (SN 56271 to Present)	
103	4751600	8	Flatwasher 3/8in	
104	4761600	4	Lockwasher 3/8in (Prior to SN 55724)	
105	3311601	4	Nut 3/8in-16NC (Prior to SN 55724)	
105	3311605	4	Nut 3/8in-16NC (SN 55724 to Present)	
106	4300034	2	Stud (Welded on Parts) (Prior to February 1995)	
107	3520071	4	Cap	
151		Ref	Ladder Options:	
151	4844636	1	Ladder Model 3369 (Prior to SN 33424)	
151	4845492	1	Ladder Model 3369 (SN 33424 through 54194)	
151	4845916	1	Ladder Model 3369 (SN 54195 to Present)	
151	4844638	1	Ladder Model 3969 (Prior to SN 33811)	
151	4845491	1	Ladder Model 3969 (SN 33811 through 54194)	
151	4845917	1	Ladder Model 3969 (SN 54195 to Present)	
	0255065	Ref	ANTI-STATIC STRAP INSTALLATION	2
201	4240084	1	Strap, Anti-Static	
202	0641508	1	Bolt 5/16in-18NC x 1in	
203	3311501	1	Nut 5/16in-18NC	
204	4761500	1	Lockwasher 5/16in	
205	4751500	2	Flatwasher 5/16in	
206	3538157	2	Plate, Drain (SN 70891 to Present)	
207	0791004	8	Screw #10 x 1/2in (SN 70891 to Present)	

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FIGURE 2-1. HYDRAULIC COMPONENTS INSTALLATION



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FIGURE 2-1. HYDRAULIC COMPONENTS INSTALLATION

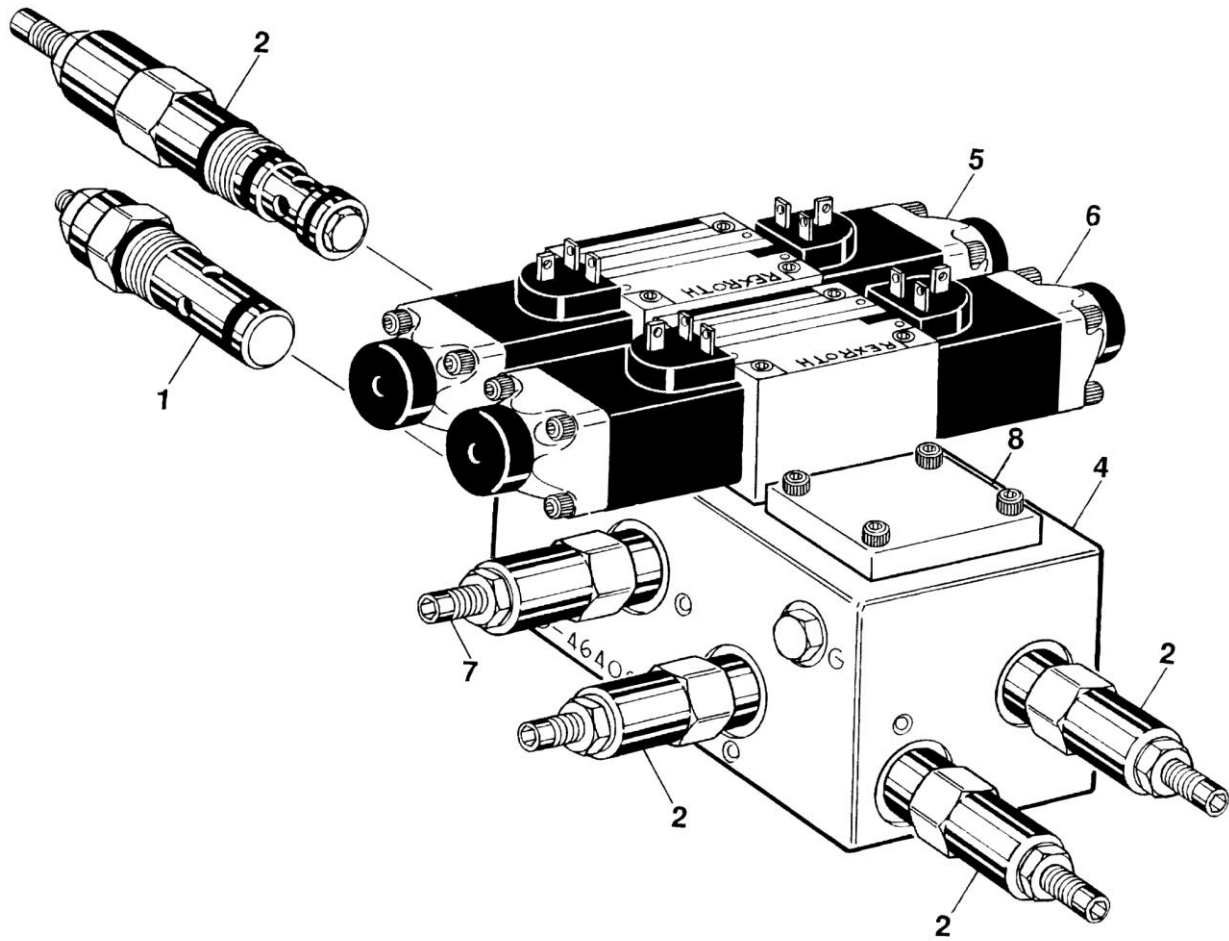
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0254492	Ref	HYDRAULIC TANK AND FILTER INSTALLATION	4
1	4400358	1	Tray, Hydraulic	
2	3520077	1	Plug, Fill	
3	1340052	1	Breather	
4	3538236	1	Plate, Support	
5	0641408	4	Bolt 1/4in-20NC x 1in	
6	4751400	16	Flatwasher 1/4in	
7	4761400	13	Lockwasher 1/4in	
8	2820064	4	Insulator, Rubber	
9	0641405	13	Bolt 1/4in-20NC x 5/8in	
10	0902034	1	Bracket, Mounting	
11	2120105	1	Filter Assembly	
11	2120072	1	Element, Filter	
12	0641404	9	Bolt 1/4in-20NC x 1/4in (Prior to SN 39555)	
13	4566413	1	Tube, Return	
14	2220347	1	Fitting, Straight	
15	1320033	1	Clamp, Hose	
16		Ref	Cover, Hose Options:	
16	4060866	1	Cover, Hose (Prior to SN 71522)	
16	4060983	1	Cover, Hose (SN 71522 to Present)	
17	3311405	4	Locknut 1/4in-20NC	
18	0100020	AR	Sealant (Not Shown)	
19	2200053	1	Plug, Drain (Prior to SN 50189)	
19	2200233	1	Plug, Drain (SN 50189 to Present)	
20	4060867	1	Cover, Rear	
21	3300377	4	Stand-off	
22	0641406	2	Bolt 1/4in-20NC x 3/4in (SN 71522 to Present)	
23	0100011	AR	Loctite #242 (Not Shown) (SN 71522 to Present)	
24	3300353	2	Nut, Tinnerman (SN 71522 to Present)	
	0254493	Ref	HYDRAULIC MOTOR AND VALVE ASSEMBLY (PRIOR TO OCTOBER 1994)	C
	0255270	Ref	HYDRAULIC MOTOR AND VALVE ASSEMBLY (OCTOBER 1994 TO PRESENT)	5
101		Ref	Plate, Mounting Options:	
101	3537654	1	Plate, Mounting Prior to October 1994	
101	3538736	1	Plate, Mounting October 1994 to Present	
102	3300377	4	Stand-off	
103	3311405	14	Locknut 1/4in-20NC	
104	4751400	29	Flatwasher 1/4in	
105	4761400	4	Lockwasher 1/4in	
106	0641406	10	Bolt 1/4in-20NC x 3/4in	
107	0181747	4	Angle	
108	0641408	4	Bolt 1/4in-20NC x 1in	
109		Ref	Control Valve Options:	
109	4640860	1	Valve (Machines Built Prior to September 1994) (See CONTROL VALVE ASSEMBLY for Breakdown)	
109	4640915	1	Valve (Machines Built September 1994 to Present) (See CONTROL VALVE ASSEMBLY for Breakdown)	
110	0641507	10	5/16in-18NC	
111	4761500	4	Lockwasher 5/16in	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
112	4751500	18	Flatwasher 5/16in	
113	3311505	6	Locknut 5/16in-18NC	
114	3160194	1	Motor Assembly	
114	7023231	1	Endhead, Drive	
114	7023479	1	Armature	
114	2900811	1	Repair Kit - 3160194 Motor (Includes Bearing, Brushes, Springs and Wavy Washer)	
115	3600220	1	Pump Assembly (See PUMP ASSEMBLY for Breakdown)	
116	0641608	2	Bolt 3/8in-16NC x 1in	
117	4761600	2	Lockwasher 3/8in	
118	4640859	1	Pump Assembly - Manual Descent (See Items 201-203 for Breakdown)	
119	0641424	2	Bolt 1/4in-20NC x 3in	
120	2560123	1	Grip	
121	2560122	1	Handle (Prior to SN 45740)	
121	2560155	1	Handle (SN 45740 to Present)	
122	1380136	2	Clip, Grip	
123	3820019	2	Rivet	
124	0902038	1	Bracket, Mounting	
125		Ref	Ground Control Box Assembly Options: (See GROUND CONTROL BOX ASSEMBLY for Breakdown)	
125	0860889	1	Ground Control Box Assembly Prior to October 1994	
125	0860969	1	Ground Control Box Assembly October 1994 to Present	
126	3537692	1	Plate, Shield	
127		Ref	Cover, Hose Options:	
127	4060866	1	Cover, Hose (Prior to SN 71522)	
127	4060983	1	Cover, Hose (SN 71522 to Present)	
128	4711600	2	Flatwasher 3/8in	
129	0840027	2	Boot, Terminal (September 1995 to Present)	
130		Ref	Angle, Valve Mounting Options:	
130	Not Required	0	Angle, Valve Mounting Prior to October 1994	
130	0181791	1	Angle, Valve Mounting October 1994 to Present	
131	0100011	AR	Loctite #242 (Not Shown) (SN 71522 to Present)	
132	3300353	2	Nut, Tinnerman (SN 71522 to Present)	
	4640859	Ref	PUMP ASSEMBLY - MANUAL DESCENT	-
201	7012952	1	Pump Cartridge Assembly	
201	2900708	1	Seal Kit	
202	7012954	1	Release Cartridge Assembly	
202	7012953	1	Seal Kit - 7012954 Valve	
202	7012961	1	Knob	
203	7012955	1	Check Cartridge Assembly	
203	7012540	1	Seal Kit - 7012955 Valve	
	0257177	Ref	PUMP ASSEMBLY - MANUAL DESCENT	1
251	4641007	1	Valve, Check 5psi	

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



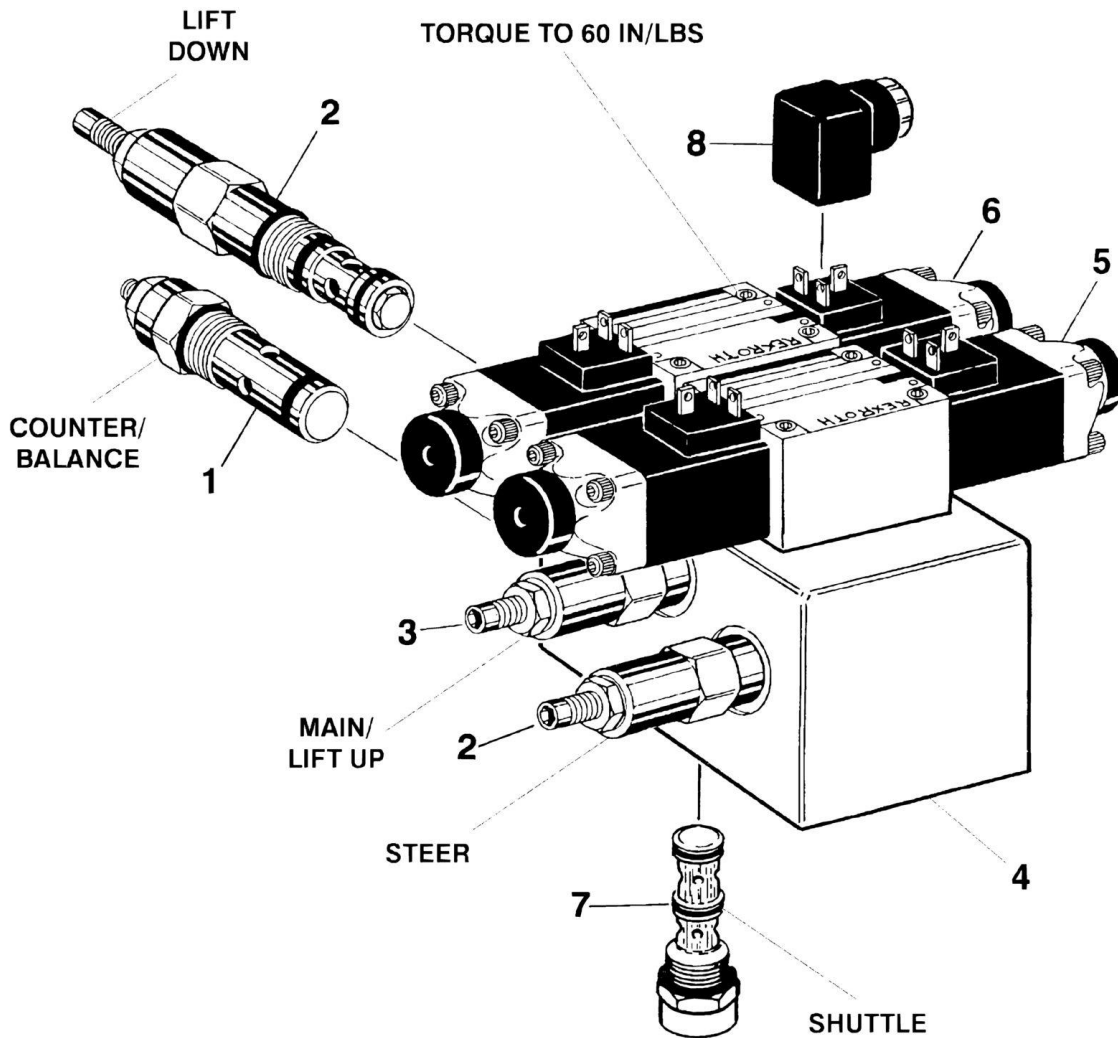
SECTION 2 - GROUND COMPONENTS

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

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

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



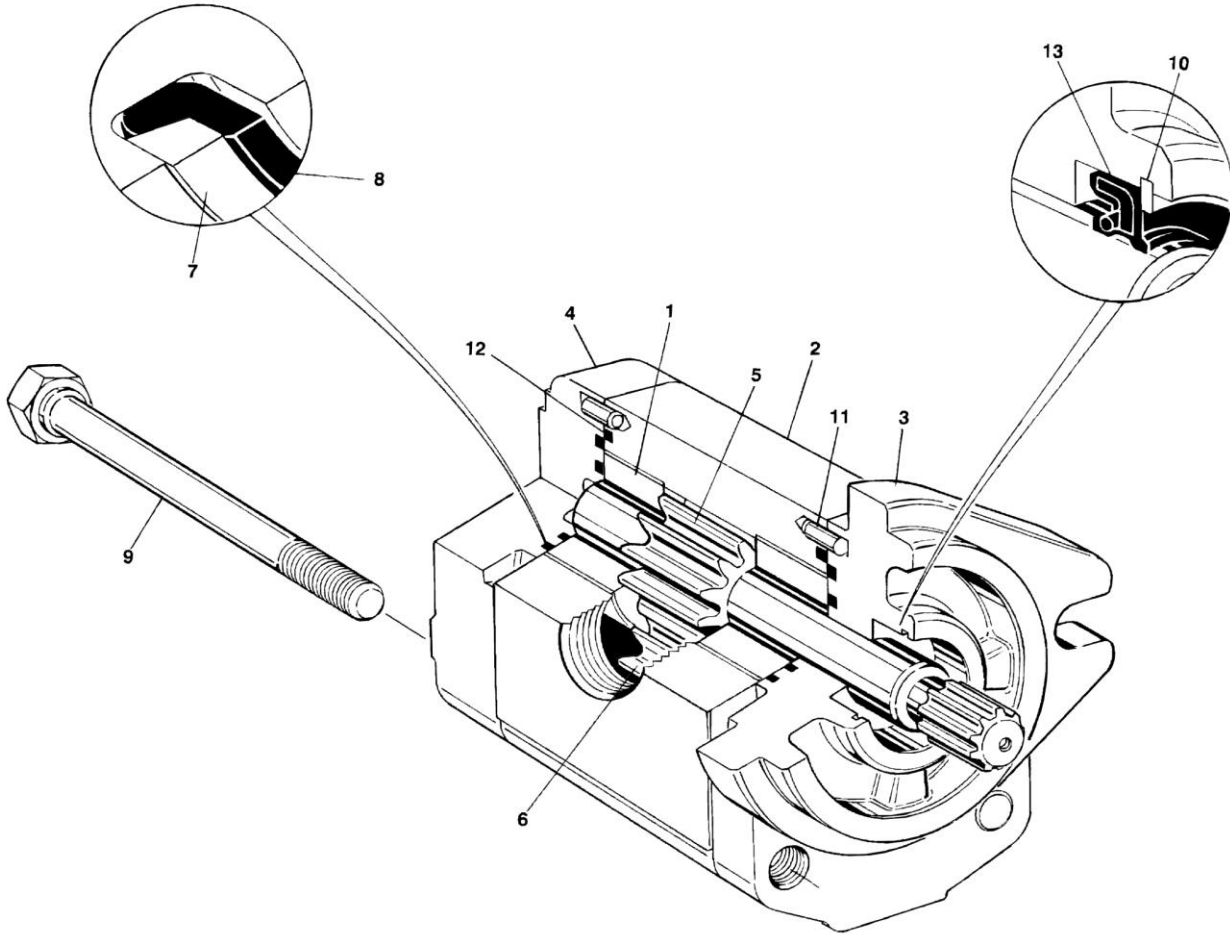
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FIGURE 2-3. CONTROL VALVE ASSEMBLY (SEPTEMBER 1994 TO PRESENT)

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

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FIGURE 2-4. PUMP ASSEMBLY



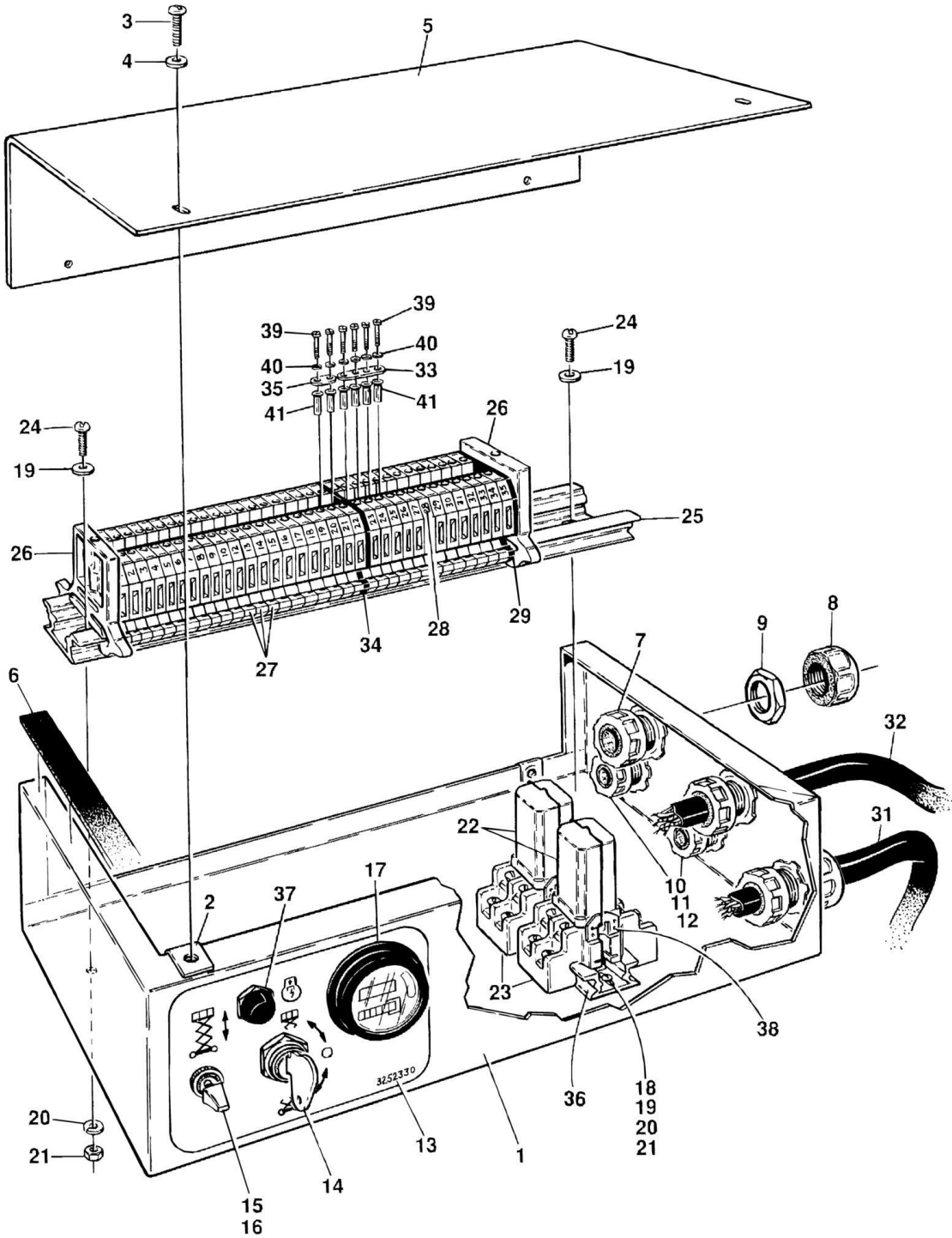
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FIGURE 2-4. PUMP ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3600220	Ref	PUMP ASSEMBLY	-
1	7010102	2	Bearing	
2	Not Serviced	1	Housing	
3	7010100	1	Flange, Front	
4	7010103	1	Cover	
5	7010101	1	Gear, Drive	
6	7007299	1	Gear, Idle	
7	Kit	2	Ring, Anti-Extrusion	
8	Kit	2	Seal, Pressure	
9	Not Serviced	4	Bolt	
10	7010104	1	Ring, Snap	
11	Not Serviced	4	Pin, Dowel	
12	Kit	2	Seal, Outer	
13	7007298	1	Seal, Shaft	
	7007489	1	Seal Kit - 3600220 Pump (Includes Items 7, 8, 12 & 13)	

SECTION 2 - GROUND COMPONENTS

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



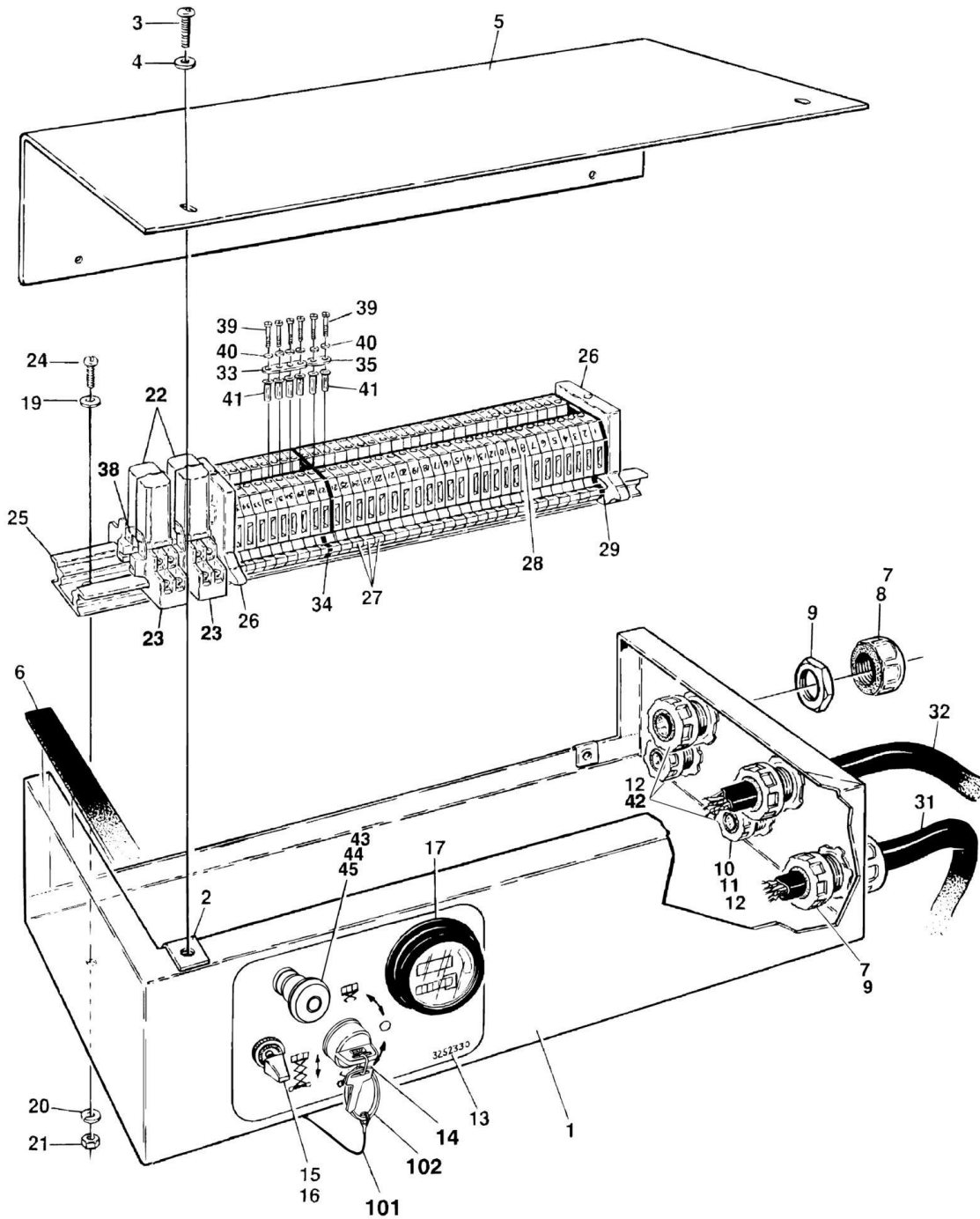
SECTION 2 - GROUND COMPONENTS

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

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0860889	Ref	GROUND CONTROL BOX ASSEMBLY (PRIOR TO OCTOBER 1994) Note: When replacing complete ground control box use p/n 0860969. See GROUND CONTROL BOX ASSEMBLY for Service Replacement.	B
		Ref		
1	0860890	1	Box	
2	3300177	4	Nut, Tinnerman	
3	0750806	4	Screw, Self-Tap #8 x 3/4in	
4	4740120	4	Washer, Nylon	
5	0860891	1	Lid, Box	
6	4420037	52 in/1.3m	Strip, Rubber	
7	4460052	3	Connector, Strain Relief	
8	0960239	3	Bushing	
9	3300047	3	Locknut, Conduit	
10	4460071	2	Connector, Strain Relief	
11	0960238	2	Bushing	
12	3300048	2	Locknut, Conduit	
13	3252330	1	Nameplate	
14	4360346	1	Switch, Key	
14	7012587	1 Set	Keys, Replacement	
15	4360314	1	Switch, Toggle	
16	3790012	1	O-Ring	
17	2420106	1	Gauge, Hourmeter	
18	3910608	3	Screw #6-32NC x 1/2in	
19	4750600	5	Flatwasher #6	
20	4760600	5	Lockwasher #6	
21	3310601	5	Nut #6-32NC	
22	3740087	2	Relay	
23	4120027	2	Socket	
24	3910606	2	Screw #6-32NC x 3/8in	
25	3640492	1	Strip, Terminal	
26	4460299	2	Stop, Terminal	
27	4460298	32	Block, Terminal	
28	4460301	1	Strip, Terminal Marking	
29	4460300	2	Barrier, Terminal	
31	4921700	1	Harness - Ground Control Box to Control Module	
32	4921666	1	Harness - Ground Control Box to Valves	
33	4460100	1	Bar, Buss	
34	4460300	1	Barrier, Terminal	
35	4460308	1	Bar, Buss	
36	3640986	1	Rail, Mounting	
37	4360274	1	Switch, Push Button	
38	3740063	2	Clip, Relay	
39	4460305	6	Screw, Terminal	
40	4460306	6	Washer, Terminal	
41	4460307	6	Sleeve, Terminal	

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)

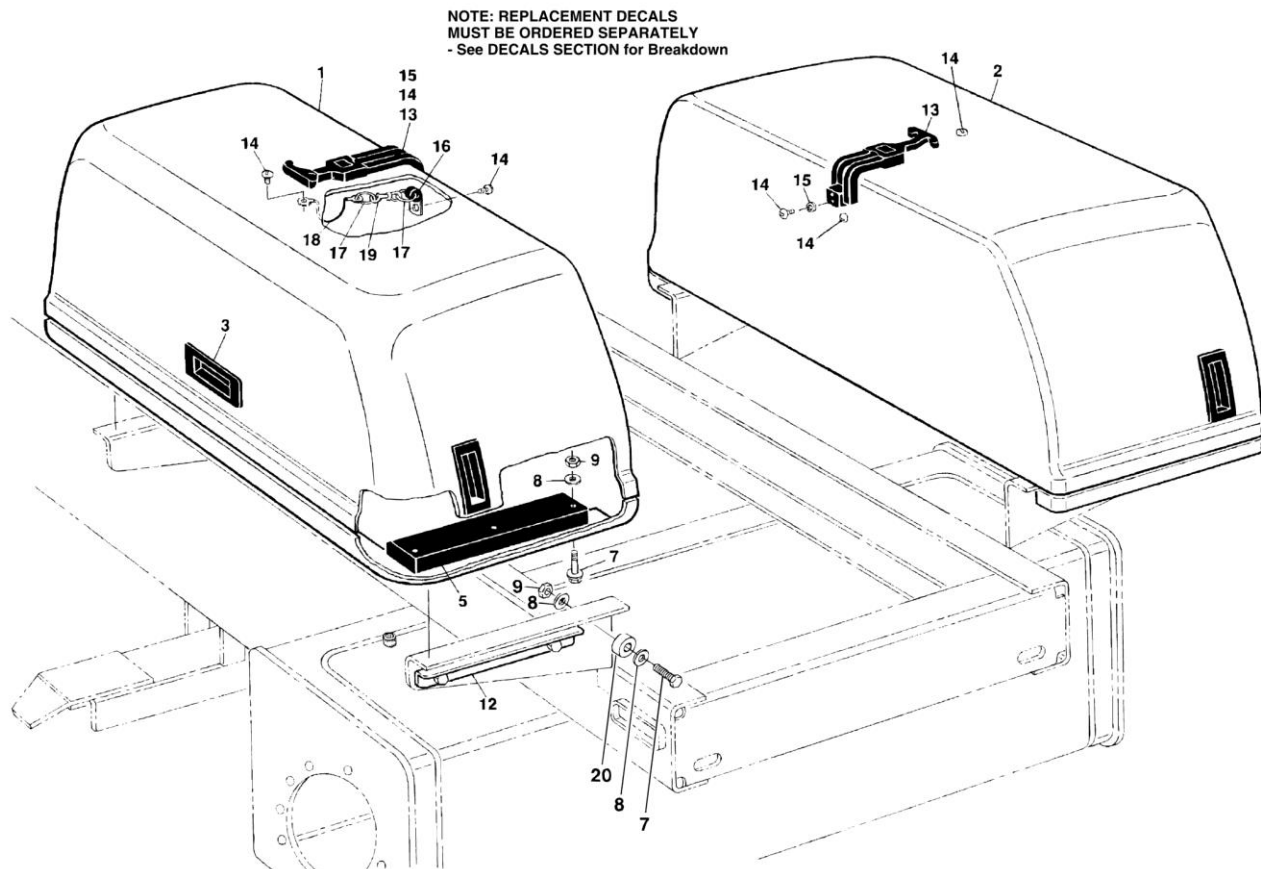
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0860969	Ref	GROUND CONTROL BOX ASSEMBLY (OCTOBER 1994 TO PRESENT)	4
1		Ref	Box Options:	
1	0860970	1	Box (Prior to SN 53019)	
1	0861246	1	Box (SN 53019 through 66900)	
1	0861312	1	Box (SN 66901 through 71505)	
1	0861342	1	Box (SN 71506 to Present)	
2	3300177	4	Nut, Tinnerman	
3	0750806	4	Screw, Self-Tap #8 x 3/4in	
4	4740120	4	Washer, Nylon	
5	0860971	1	Lid, Box	
6	4420037	52 in/1.3m	Strip, Rubber	
7		Ref	Connector, Strain Relief Options:	
7	4460052	3	Connector, Strain Relief (Prior to SN 71506)	
7	4460052	1	Connector, Strain Relief (SN 71506 to Present)	
8	0960239	3	Bushing (Prior to SN 71506)	
9		Ref	Locknut, Conduit Options:	
9	3300047	3	Locknut, Conduit (Prior to SN 71506)	
9	3300047	1	Locknut, Conduit (SN 71506 to Present)	
10	4460071	1	Connector, Strain Relief (Prior to SN 71506)	
11	0960238	2	Bushing (Prior to SN 71506)	
12	3300048	3	Locknut, Conduit	
13		Ref	Nameplate Options:	
13	3252330	1	Nameplate (Prior to SN 71506)	
13	3252666	1	Nameplate (SN 71506 to Present)	
14	4360346	1	Switch, Key (Prior to SN 71506)	
14	7012587	1 Set	Keys, Replacement	
14	4360473	1	Switch, Key (SN 71506 to Present)	
14	2860030	1 Set	Keys, Replacement	
15	4360314	1	Switch, Toggle	
16	3790012	1	O-Ring	
17	2420106	1	Gauge, Hourmeter	
19	4750600	2	Flatwasher #6	
20	4760600	2	Lockwasher #6	
21	3310601	2	Nut #6-32NC	
22	3740087	AR	Relay (Std Qty 2/With Options Qty 3 or 4)	
23	4120027	AR	Socket (Std Qty 2/With Options Qty 3 or 4)	
24	3910606	2	Screw #6-32NC x 3/8in	
25	3640865	1	Strip, Terminal (Prior to SN 53228)	
25	3641308	1	Strip, Terminal (SN 53228 to Present)	
26	4460299	2	Stop, Terminal	
27	4460298	36	Block, Terminal	
28	4460301	1	Strip, Terminal Marking	
29	4460300	2	Barrier, Terminal	
31	4921700	1	Harness - Ground Control Box to Control Module	
32	4921666	1	Harness - Ground Control Box to Valves	
33	4460310	1	Bar, Buss	
34	4460300	1	Barrier, Terminal	
35	4460308	1	Bar, Buss	
37	4360274	1	Switch, Push Button (Prior to SN 71506)	

SECTION 2 - GROUND COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
38	3740063	AR	Clip, Relay (Std Qty 2/With Options Qty 3 or 4)	
39	4460305	8	Screw, Terminal	
40	4460306	8	Washer, Terminal	
41	4460307	8	Sleeve, Terminal	
42		Ref	Connector, Strain Relief Options:	
42	4460051	1	Connector, Strain Relief (Prior to SN 71506)	
42	4460051	3	Connector, Strain Relief (SN 71506 to Present)	
43	4360282	1	EMS, Contact Block (SN 71506 to Present)	
44	4740066	1	Washer, Thrust (SN 71506 to Present)	
45	4360475	1	Switch, E-Stop (SN 71506 to Present)	
45	7020175	1	Cap/E-Stop With Seal	
45	7020176	1	Contact Block W/Mount	
	0255253	Ref	KEY ATTACH LANYARD (OPTIONAL)	A
101	1060380	1	Cable, Lanyard	
102	3760170	1	Ring	

SECTION 2 - GROUND COMPONENTS

FIGURE 2-7. COVERS INSTALLATION



SECTION 2 - GROUND COMPONENTS

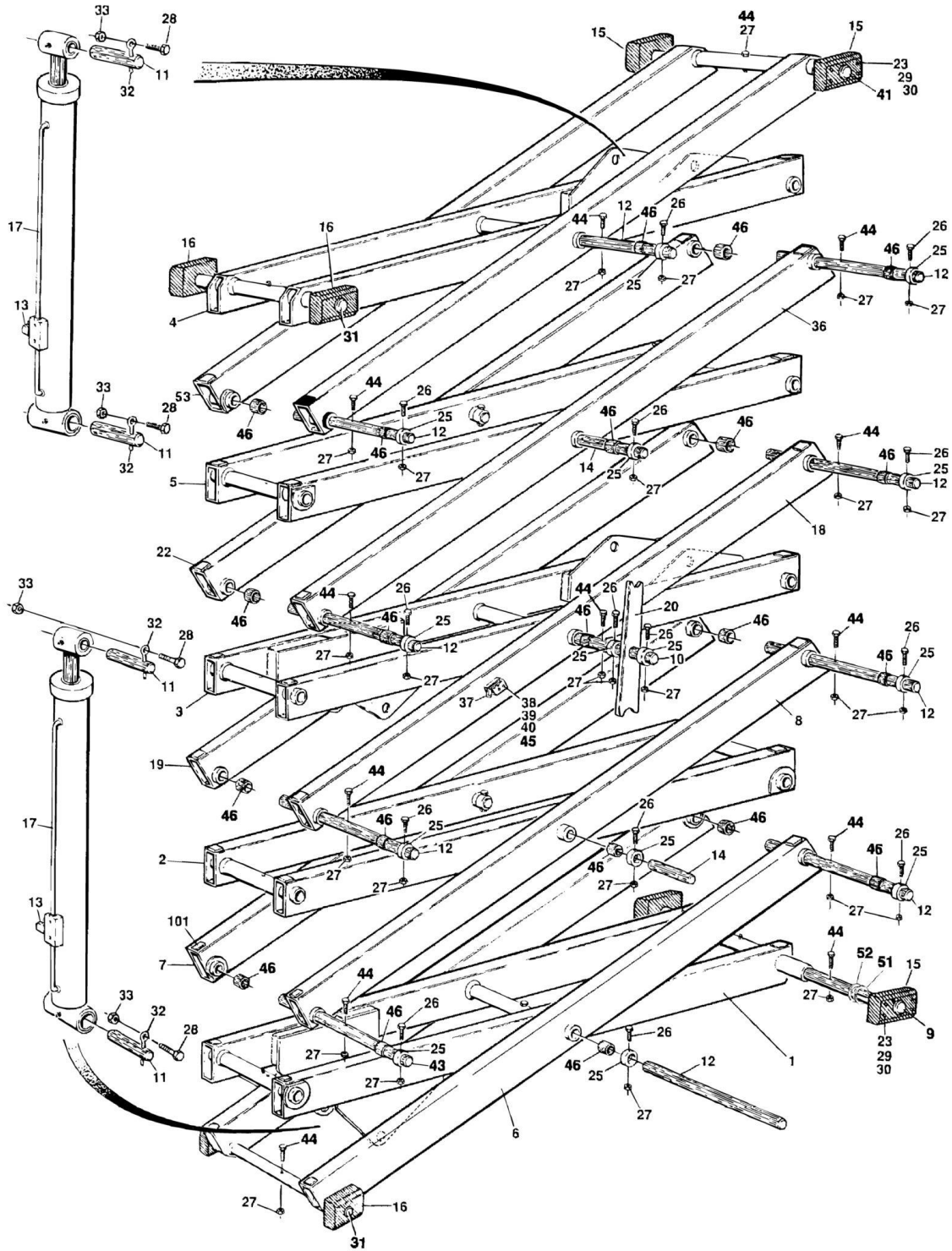
FIGURE 2-7. COVERS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0254494	Ref	COVERS INSTALLATION	4
1	4060868	1	Cover (Left Side)	
2	4060869	1	Cover (Right Side)	
3	2560124	4	Handle, Pull	
5	3340747	4	Pad, Slide	
7	0641410	16	Bolt 1/4in-20NC x 1 1/4in	
8	4751400	32	Flatwasher 1/4in (Wide)	
9	3311405	16	Locknut 1/4in-20NC	
12	0181742	4	Angle, Slide Mount	
13	2940080	2	Latch	
14	3911008	6	Screw, Round Head #10-24NC x 1/2in	
15	4761000	6	Lockwasher #10	
16	1320136	2	Clamp	
17	3760170	4	Ring	
18	1060379	2	Lanyard	
19	2940065	2	Latch	
20	3860090	4	Roller, Stop (SN 71522 to Present)	

SECTION 3 - SCISSOR ARMS

SECTION 3 - SCISSOR ARMS

FIGURE 3-1. SCISSOR ARMS INSTALLATION - MODEL 3369



SECTION 3 - SCISSOR ARMS

FIGURE 3-1. SCISSOR ARMS INSTALLATION - MODEL 3369

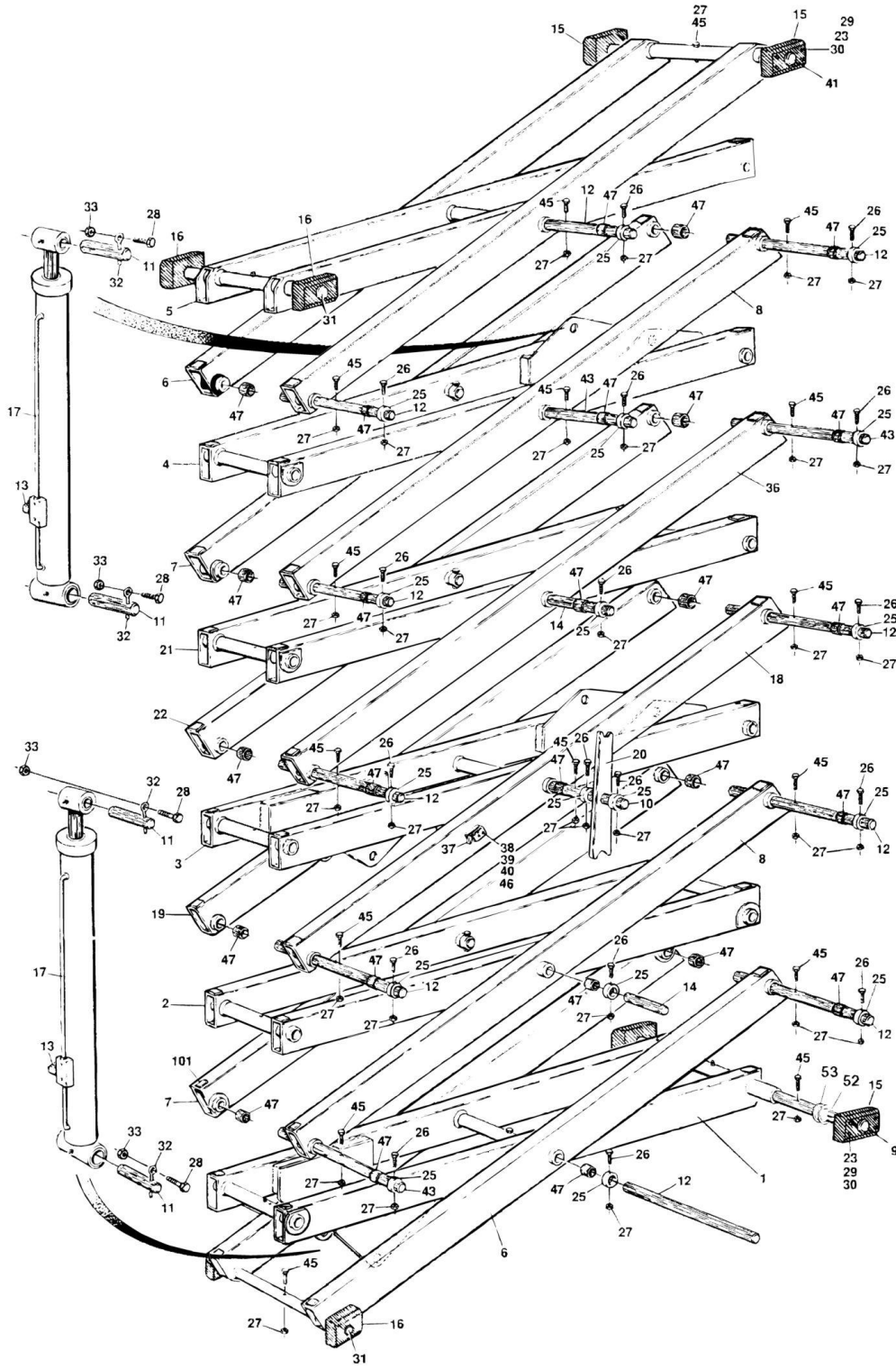
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0254239	Ref	SCISSOR ARMS INSTALLATION - STANDARD 3369	11
	0255553	Ref	SCISSOR ARMS INSTALLATION - CSA	8
1	0200495	1	Arm Weldment (Lower Inboard)	
2	0200496	1	Arm Weldment (2nd Inboard)	
3	0200497		Arm Weldment (3rd Inboard)	
4	0200521	1	Arm Weldment (Top Inboard)	
5	0200523	1	Arm Weldment (4nd Inboard)	
6	0200500	1	Arm Weldment (Lower and Top Outboard)	
7	0200501	1	Arm Weldment (2nd Outboard Left Side)	
8	0200502	1	Arm Weldment (2nd Outboard Right Side)	
9	3422199	1	Pin, Pivot	
10	3422200	1	Pin, Pivot	
11	3422201	4	Pin, Cylinder Attach	
12	3422202	9	Pin, Pivot	
13	4640381	2	Holding Valve Assembly	
13	7000644	AR	Coil (Hydraforce Version)	
13	7004334	AR	Coil (Modular Controls Version)	
13	2900756	AR	Seal Kit (Hydraforce Version)	
13	2900503	AR	Seal Kit (Modular Controls Version)	
14	3422204	4	Pin, Pivot	
15	3340669	4	Pad, Sliding (Bolt On)	
16	3340675	4	Pad, Sliding (Pivoting)	
17	1682935	2	Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
18	0200503	1	Arm Weldment (3rd Outboard Right Side)	
19	0200504	1	Arm Weldment (3rd Outboard Left Side)	
20	3538343	2	Prop, Safety	
20	4844380	2	Prop, Safety Only (Including 11657, 12289 and 12651)	
22	0200522	1	Arm Weldment (4th Outboard Left Side)	
23	4751600	32	Flatwasher 3/8in	
24	0961756	2	Bushing, Spacer Only(Not Shown - Located at Item 20) (Including 11657, 12289 and 12651)	
25	1440227	28	Collar	
26	0641528	28	Bolt 5/16in-18NC x 3 1/2in	
27	3311505	47	Locknut 5/16in-18NC	
28	0630471	4	Bolt, Special	
29	0641624	16	Bolt 3/8in-16NC x 3in	
30	3311605	18	Locknut 3/8in-16NC	
31	3422275	2	Pin, Pivot	
32	3841203	4	Pin, Keeper	
33	3311805	4	Locknut 1/2in-13NC	
34	0232139	1	Lock, Prop (Right Side) (Not Shown - Located at Item 20) (Including 11657, 12289 and 12651)	
35	0232140	1	Lock, Prop (Left Side) (Not Shown - Located at Item 20) (Including 11657, 12289 and 12651)	
36	0200524	1	Arm Weldment (4th Outboard Right Side)	
37	2940081	2	Latch	
38	0641405	8	Bolt 1/4in-20NC x 5/8in	
39	4751400	8	Flatwasher 1/4in	
40	4761400	8	Lockwasher 1/4in	
41	3422416	1	Pin, Pivot	

SECTION 3 - SCISSOR ARMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
43	3422202	1	Pin, Pivot - Standard	
43	3422473	1	Pin, Pivot - CSA	
44	0641526	19	Bolt 5/16in-18NC x 3 1/4in	
45	0902156	2	Bracket	
46	0961664	26	Bushing, Gar-Max	
47	1320061	8	Clamp, Cable (Not Shown) (Prior to SN 68667)	
48	4300038	8	Stud (Welded on Part) (Not Shown) (Prior to SN 68667)	
49	4761500	8	Lockwasher 5/16in (Not Shown) (Prior to SN 68667)	
50	3311501	8	Nut 5/16in-18NC (Not Shown) (Prior to SN 68667)	
51	4070964	2	Shim (SN 37453 to Present)	
52	4740229	2	Shims, Washer (SN 37453 to Present)	
53	0200697	1	Arm Weldment (Top Outboard)	
	2901327	1	Scissor Arms Kit (Includes Items 1-8, 18, 19, 20, 22, 36 & 53)	3
	0252588	Ref	ARM PADS INSTALLATION	3
101	3340645	32	Pad (Prior to SN 47469)	
101	3340841	32	Pad (SN 47469 through 53855)	
101	3340848	32	Pad (SN 53856 to Present)	
	0257362	Ref	PLATFORM CONTROL BOX CABLE ROUTING INSTALLATION (NOT SHOWN) (SN 31253 to Present)	1
151	4240033	8	Strap, Tie	
151	1320061	11	Clamp	
151	0641508	10	Bolt 5/16in-18NC x 1in	
151	4751500	20	Flatwasher 5/16in	
151	3311505	10	Locknut 5/16in-18NC	

SECTION 3 - SCISSOR ARMS

FIGURE 3-2. SCISSOR ARMS INSTALLATION - MODEL 3969



SECTION 3 - SCISSOR ARMS

FIGURE 3-2. SCISSOR ARMS INSTALLATION - MODEL 3969

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0253761	Ref	SCISSOR ARMS INSTALLATION - STANDARD (3969)	12
	0255554	Ref	SCISSOR ARMS INSTALLATION - CSA (3969)	8
1	0200495	1	Arm Weldment (Lower Inboard)	
2	0200496	1	Arm Weldment (2nd Inboard)	
3	0200497		Arm Weldment (3rd Inboard)	
4	0200498	1	Arm Weldment (5th Inboard)	
5	0200499	1	Arm Weldment (Top Inboard)	
6	0200500	2	Arm Weldment (Lower and Top Outboard)	
7	0200501	2	Arm Weldment (2nd & 5th Outboard Left Side)	
8	0200502	2	Arm Weldment (2nd & 5th Outboard Right Side)	
9	3422199	1	Pin, Pivot	
10	3422200	1	Pin, Pivot	
11	3422201	4	Pin, Cylinder Attach	
12	3422202	10	Pin, Pivot	
13	4640381	2	Holding Valve Assembly	
13	7000644	AR	Coil (Hydraforce Version)	
13	7004334	AR	Coil (Modular Controls Version)	
13	2900756	AR	Seal Kit (Hydraforce Version)	
13	2900503	AR	Seal Kit (Modular Controls Version)	
14	3422204	4	Pin, Pivot	
15	3340669	4	Pad, Sliding (Bolt On)	
16	3340675	4	Pad, Sliding (Pivoting)	
17	1682935	2	Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
18	0200503	1	Arm Weldment (3rd Outboard Right Side)	
19	0200504	1	Arm Weldment (3rd Outboard Left Side)	
20	3538343	2	Prop, Safety	
20	4844380	2	Prop, Safety Only (Including 11657, 12289 and 12651)	
21	0200523	1	Arm Weldment (4th Inboard)	
22	0200522	1	Arm Weldment (4th Outboard Left Side)	
23	4751600	32	Flatwasher 3/8in	
24	0961756	2	Bushing, Spacer Only (Not Shown - Located at Item 20) (Including 11657, 12289 and 12651)	
25	1440227	34	Collar	
26	0641528	56	Bolt 5/16in-18NC x 3 1/2in	
27	3311505	56	Locknut 5/16in-18NC	
28	0630471	4	Bolt, Special	
29	0641624	16	Bolt 3/8in-16NC x 3in	
30	3311605	18	Locknut 3/8in-16NC	
31	3422275	2	Pin, Pivot	
32	3841203	4	Pin, Keeper	
33	3311805	4	Locknut 1/2in-13NC	
34	0232139	1	Lock, Prop (Right Side) (Not Shown - Located at Item 20) (Including 11657, 12289 and 12651)	
35	0232140	1	Lock, Prop (Left Side) (Not Shown - Located at Item 20) (Including 11657, 12289 and 12651)	
36	0200524	1	Arm Weldment (4th Outboard Right Side)	
37	2940081	2	Latch	
38	0641405	8	Bolt 1/4in-20NC x 5/8in	
39	4751400	8	Flatwasher 1/4in	
40	4761400	8	Lockwasher 1/4in	

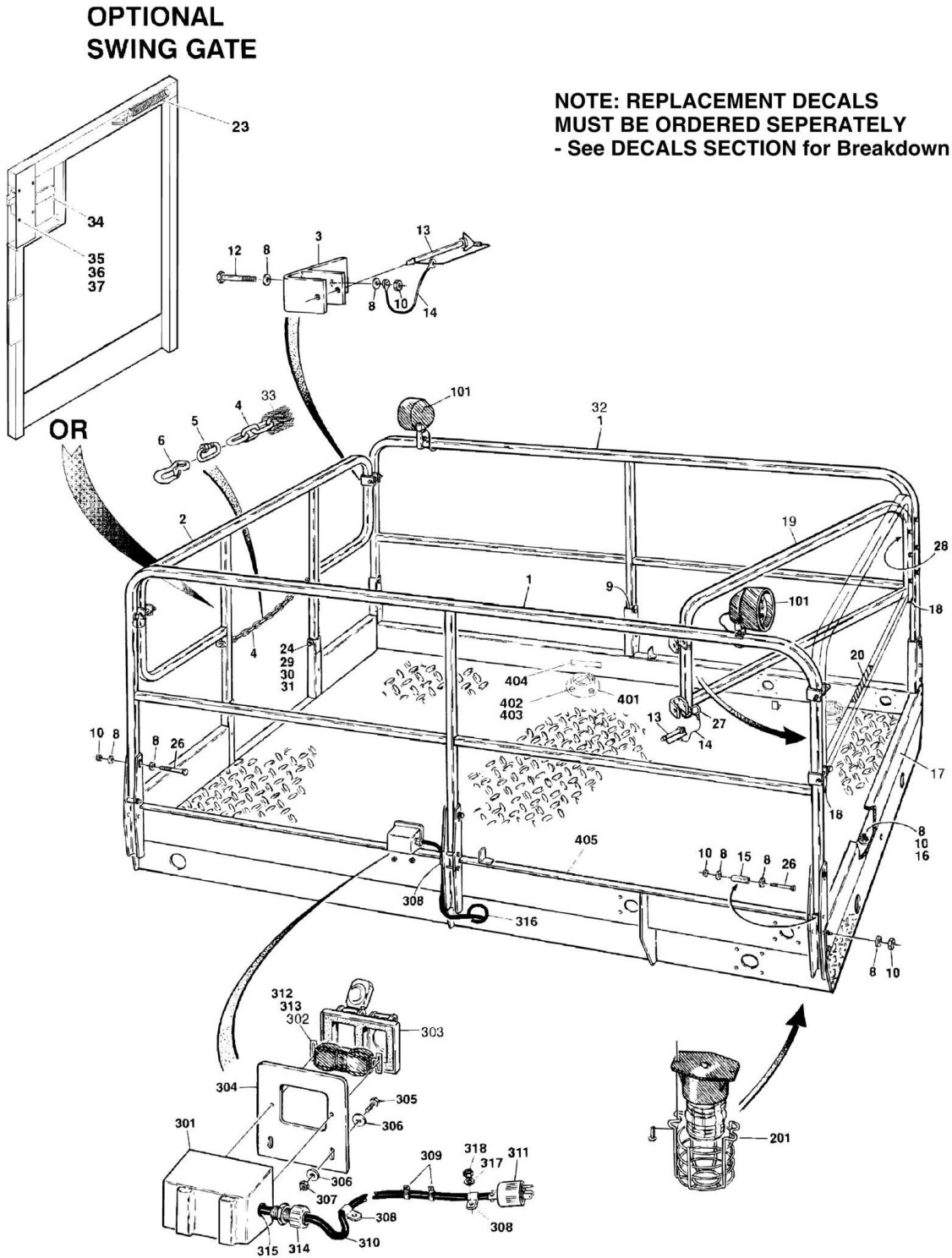
SECTION 3 - SCISSOR ARMS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
41	3422416	1	Pin, Pivot	
43	3422202	3	Pin, Pivot - Standard	
43	3422473	3	Pin, Pivot - CSA	
45	0641526	19	Bolt 5/16in-18NC x 3 1/4in	
46	0902156	2	Bracket	
47	0961664	26	Bushing, Gar-Max	
48	1320061	8	Clamp, Cable (Not Shown) (Prior to SN 68667)	
49	4300038	8	Stud (Welded on Part) (Not Shown) (Prior to SN 68667)	
50	4761500	8	Lockwasher 5/16in (Not Shown) (Prior to SN 68667)	
51	3311501	8	Nut 5/16in-18NC (Not Shown) (Prior to SN 68667)	
52	4070964	2	Shim (SN 37453 to Present)	
53	4740229	2	Shims, Washer (SN 37453 to Present)	
	2901326	1	Scissor Arms Kit (Includes Items 1-8, 18, 19-22 & 36)	
	0254475	Ref	ARM PADS INSTALLATION	3
101	3340645	40	Pad (Prior to SN 47469)	
101	3340841	40	Pad (SN 47469 through 53855)	
101	3340848	40	Pad (SN 53856 to Present)	
	0257363	Ref	PLATFORM CONTROL BOX CABLE ROUTING INSTALLATION (NOT SHOWN) (Prior to SN 68667)	1
151	4240033	8	Strap, Tie	
151	1320061	13	Clamp	
151	0641508	12	Bolt 5/16in-18NC x 1in	
151	4751500	24	Flatwasher 5/16in	
151	3311505	12	Locknut 5/16in-18NC	
	0259832	Ref	PLATFORM CONTROL BOX CABLE ROUTING INSTALLATION (NOT SHOWN) (SN 68667 to Present)	1
151	1320061	7	Clamp	
151	0641408	7	Bolt 1/4in-20NC x 1in	
151	4711400	14	Flatwasher 1/4in	
151	3311405	7	Locknut 1/4in-20NC	
151	4240033	8	Strap, Tie	

SECTION 4 - PLATFORM

SECTION 4 - PLATFORM

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION



SECTION 4 - PLATFORM

FIGURE 4-1. PLATFORM COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	3510410	1	PLATFORM WELDMENT	
		Ref	HANDRAIL INSTALLATION OPTIONS:	
	0253938	Ref	Handrails Without Extension	11
	0253937	Ref	Handrails With Extension	10
	0256365	Ref	Handrails With Extension and Safety Attach (SN 22653 through 50299)	2
	0257361	Ref	Handrails With Swing Gate (SN 33811 to Present)	4
1		Ref	Rail Weldment - Side Options:	
1	3640857	2	Rail Weldment - Side	
1	3641128	1	Rail Weldment With Safety Attach - Right Side	
2		Ref	Rail Weldment - Rear Options:	
2	3640859	1	Rail Weldment - Rear	
2	4845494	1	Rail Weldment With Swing Gate - Rear	
3	0901870	2	Bracket	
4	1260136	2 ft/61cm	Chain	
5	3010088	2	Link	
6	1001101076	1	Snap-Hook (Includes Item #5) (was p/n 2940064)	
8	4711400	AR	Flatwasher 1/4in Narrow	
9	4420055	1 ft/31cm	Tape	
10	3311405	AR	Locknut 1/4in-20NC	
12	0641416	2	Bolt 1/4in-20NC x 2in	
13	3422219	AR	Spring Pin	
14	1060379	AR	Cable, Lanyard	
15	0961845	6	Bushing	
16	0641406	AR	Bolt 1/4in-20NC x 3/4in	
17		Ref	Kick Plate Options:	
17	3536936	1	Kick Plate With Out Extension	
17	Not Required	0	Kick Plate With Extension	
17	Not Required	0	Kick Plate With Extension and Safety Attach	
17	Not Required	0	Kick Plate With Swing Gate	
18	3520072	AR	Plug, Cap	
19		Ref	Rail Weldment - Front Options:	
19	3640858	1	Rail Weldment With Out Extension	
19	Not Required	0	Rail Weldment With Extension	
19	Not Required	0	Rail Weldment With Extension and Safety Attach	
19	Not Required	0	Rail Weldment With Swing Gate	
20	3252234		Decal (Prior to SN 69694)	
23	4160028	1	Spring (Machines With Swing Gate Option Only)	
24	4751500	4	Flatwasher 5/16in	
26	0641420	12	Bolt 1/4in-20NC x 2 1/2in	
27		Ref	Ring Options:	
27	3760170	AR	Ring	
27	Not Required	0	Ring, Machine With Extension and Safety Attach	
27	Not Required	0	Ring, Machine With Swing Gate	
28		Ref	Hinge Options:	
28	2600201	1	Hinge With Out Extension	
28	Not Required	0	Hinge With Extension	
28	2600201	1	Hinge With Extension and Safety Attach	
28	Not Required	0	Hinge With Swing Gate	
29	4740411	20	Washer, Nylon	

SECTION 4 - PLATFORM

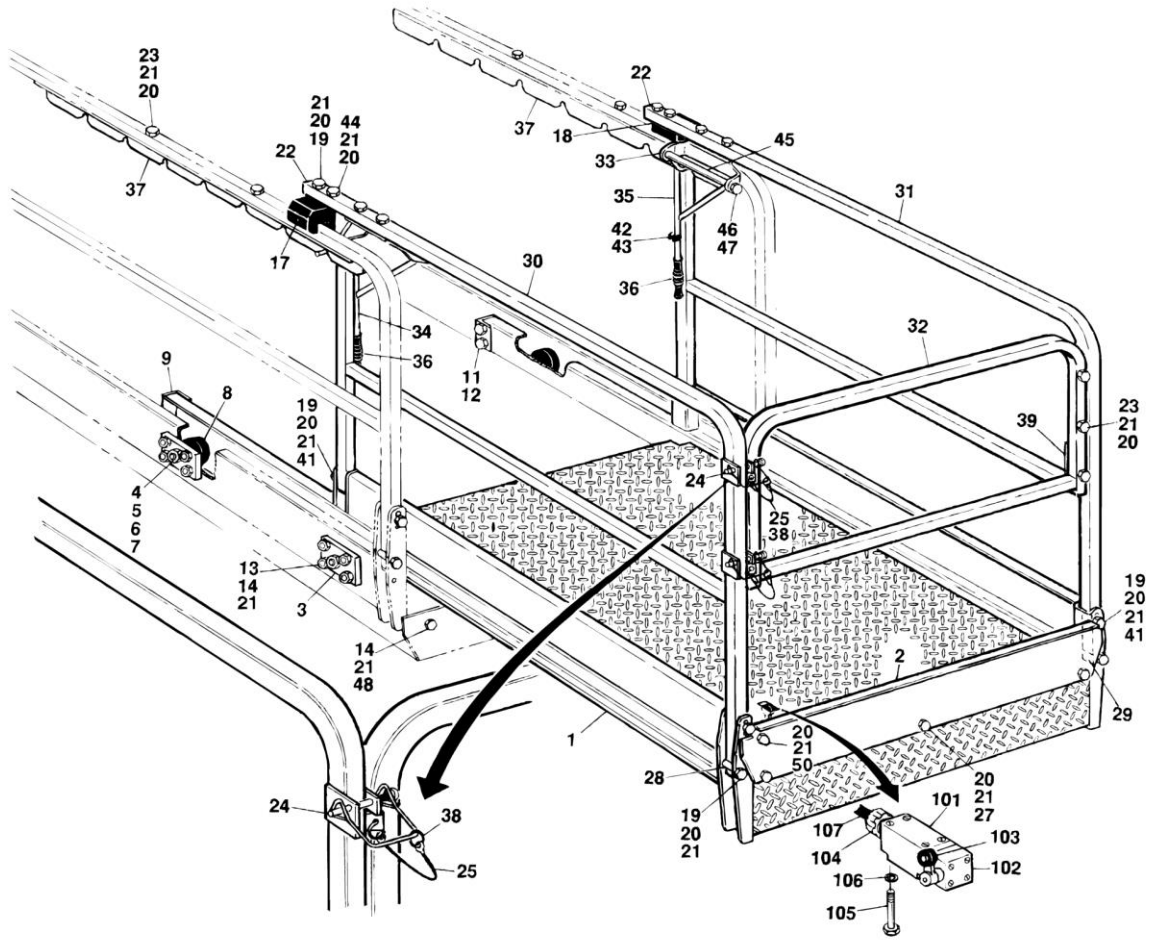
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
30	3300375	2	Nut, Binding	
31	3900184	2	Screw, Special	
32	3641129	1	Rail Weldment - Left Side (Machine With Extension and Safety Attach Only)	
33	2820097	2 ft/61cm	Mesh Tubing	
34	2940074	1	Latch (Machines With Swing Gate Option Only)	
35	3911014	4	Screw #10-24NC x 7/8in (Machines With Swing Gate Option Only)	
36	3311005	4	Locknut #10-24NC (Machines With Swing Gate Option Only)	
37	4751000	4	Flatwasher #10 (Machines With Swing Gate Option Only)	
38	0100011	AR	Loctite #242 (Not Shown)	
	0254828	Ref	WORKLIGHTS INSTALLATION - 3369 (OPTIONAL)	B
	0254829	Ref	WORKLIGHTS INSTALLATION - 3969 (OPTIONAL)	2
101	2920095	2	Worklight	
101	1060341	AR	Cable, Electrical - 16-2	
101	0901930	2	Bracket	
101	0641416	2	Bolt 1/4in-20NC x 2in	
101	3311405	2	Locknut 1/4in-20NC	
101	4240033	14	Strap, Tie	
	0255032	Ref	BEACON LIGHT INSTALLATION - 3369 (OPTIONAL)	A
	0255034	Ref	BEACON LIGHT INSTALLATION - 3969 (OPTIONAL)	A
201	4060865	1	Shield, Cage	
201	2920119	1	Light, Beacon (Prior to SN 23604)	
201	7016319	1	Bulb, Flash Tube	
201	7016320	1	Lens, Amber	
201	2920146	1	Light, Beacon (SN 23604 to Present)	
201	7016319	1	Bulb, Flash Tube	
201	7016372	1	Lens, Amber	
201	0721006	2	Screw, Machine #10-24NC x 3/4in	
201	4751000	4	Flatwasher #10	
201	3311005	2	Locknut #10-24NC	
201	1060341	AR	Cable, Electrical 16/2	
	0254825	Ref	110 VOLT RECEPTACLE INSTALLATION - MODEL 3369 (OPTIONAL)	5
	0254826	Ref	110 VOLT RECEPTACLE INSTALLATION - MODEL 3969 (OPTIONAL)	4
	0254835	Ref	GFI 110 VOLT RECEPTACLE INSTALLATION - MODEL 3369 (OPTIONAL)	4
	0254836	Ref	GFI 110 VOLT RECEPTACLE INSTALLATION - MODEL 3969 (OPTIONAL)	3
	0255786	Ref	220 VOLT RECEPTACLE INSTALLATION - MODEL 3369 (OPTIONAL)	2
	0255787	Ref	220 VOLT RECEPTACLE INSTALLATION - MODEL 3969 (OPTIONAL)	2
301	0860038	1	Box, Mounting	
302		Ref	Receptacle Options:	
302	4460190	1	Receptacle (Standard)	
302	4460346	1	Receptacle (GFI)	
302	Supply Locally	1	Receptacle (220 Volt)	
303		Ref	Shield, Cover Options:	
303	4060092	1	Cover (Standard)	
303	4060700	1	Cover (GFI 110 Volt/220 Volt)	
304	3538051	1	Plate, Mounting	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
305	0641406	2	Bolt 1/4in-20NC x 3/4in	
306	4751400	4	Flatwasher 1/4in	
307	3311405	2	Locknut 1/4in-20NC	
308	1320061	AR	Clamp	
309	4240033	10	Strap, Tie	
310	1060308	Ref	Cable, Electrical - 12-3 Options:	
310	1060308	80 ft/24.4m	Cable, Electrical - 12-3 Model 3369 (Prior to SN 45013)	
310	1060308	60 ft/18.3m	Cable, Electrical - 12-3 Model 3369 (SN 45013 to Present)	
310	1060308	90 ft/27.4m	Cable, Electrical - 12-3 Model 3969 (Prior to SN 45013)	
310	1060308	65 ft/19.8m	Cable, Electrical - 12-3 Model 3969 (SN 45013 to Present)	
311		Ref	Plug, Connector Options:	
311	4460138	1	Plug (110 Volt)	
311	Supply Locally	1	Plug (220 Volt)	
312		Ref	Decal - Ground Options:	
312	1700598	2	Decal - 110 Volt Ground	
312	1700598	2	Decal - 220 Volt Ground (Prior to SN 50044)	
313		Ref	Decal - Neutral Options:	
313	1700599	2	Decal - 110 Volt Neutral	
313	1700599	2	Decal - 220 Volt Neutral (Prior to SN 50044)	
314		Ref	Connector, Strain Relief Options:	
314	4460049	1	Connector, Strain Relief (Prior to SN 50044)	
314	4460051	1	Connector, Strain Relief (SN 50044 to Present)	
315	0960407	1	Bushing (Prior to SN 50044)	
316	4060805	10 in/25.4cm	Shield, Flex Trim (SN 50044 to Present)	
317	4761500	4	Lockwasher 5/16in (SN 50044 to Present)	
318	3311501	4	Nut 5/16in-18NC (SN 50044 to Present)	
	0257371	Ref	D-RING INSTALLATION (OPTIONAL)	1
401	3760321	4	D-Ring, Swivel Ring	
402	0630476	16	Button Head Screw 5/16in-18NC x 3/4in	
403	4761500	16	Lockwasher 5/16in	
404	1703175	4	Decal - Anchorage Point	
405	3510583	1	Deck Weldment	

SECTION 4 - PLATFORM

FIGURE 4-2. MANUAL PLATFORM EXTENSION INSTALLATION



SECTION 4 - PLATFORM

FIGURE 4-2. MANUAL PLATFORM EXTENSION INSTALLATION

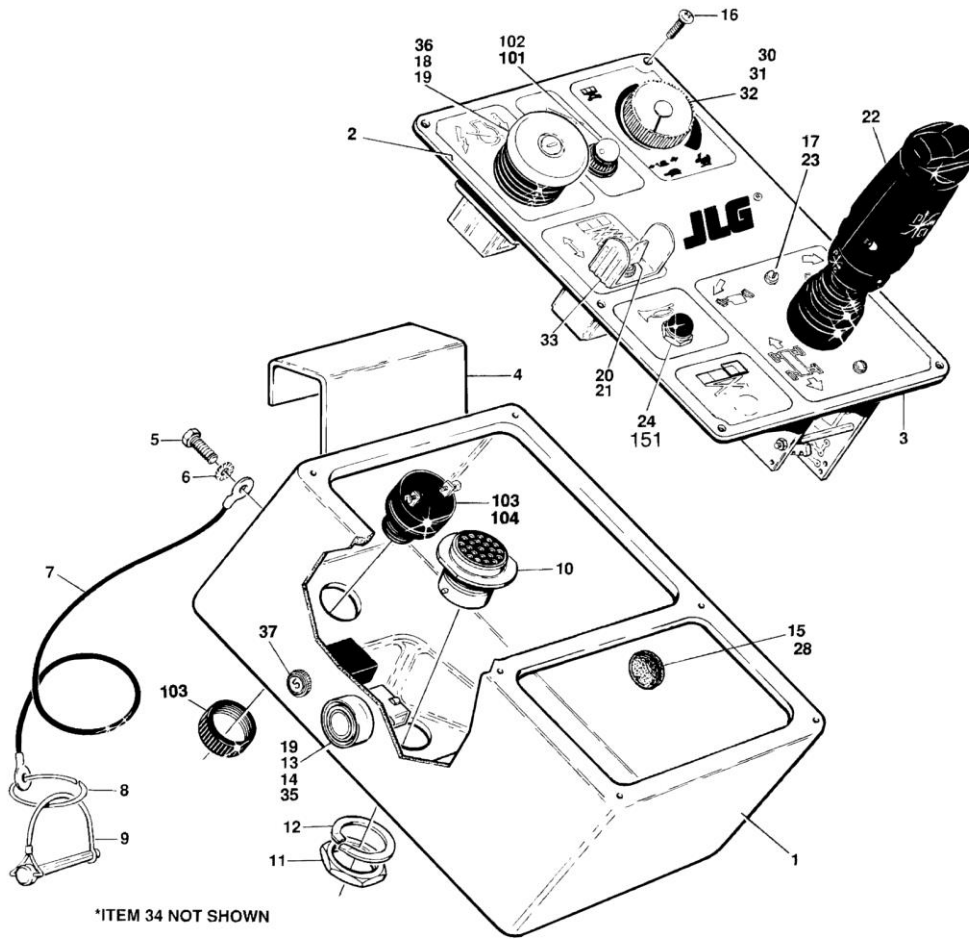
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0254476	Ref	MANUAL PLATFORM EXTENSION INSTALLATION	8
1	3510446	1	Extension Weldment	
2		Ref	Kick Plate - Front Options:	
2	3537610	1	Kick Plate - Front (Prior to SN 69983)	
2	3571800	1	Kick Plate - Front (SN 69983 to Present)	
3	3537619	4	Plate, Support (Roller)	
4	3841233	4	Rod, Support (Roller)	
5	3312202	4	Nut, Jam 3/4in-10NC	
5	3322202	4	Nut, Jam 3/4in-16NF	
6	3760348	4	Ring, Retainer	
7	4752200	4	Flatwasher 3/4in	
8	3860059	4	Roller	
9	3536639	2	Plate	
11	0641607	4	Bolt 3/8in-16NC x 7/8in	
12	4761600	4	Lockwasher 3/8in	
13	0641510	16	Bolt 5/16in-18NC x 1 1/4in	
14	4711500	16	Flatwasher 5/16in	
15	3311505	16	Locknut 5/16in-18NC (Prior to SN 69983)	
17	3340653	2	Pad, Slide	
18	4070829	4	Shim	
19	0641420	10	Bolt 1/4in-20NC x 2 1/2in	
20	4751400	70	Flatwasher 1/4in	
21	3311405	50	Locknut 1/4in-20NC	
22	3520072	8	Plug, Cap	
23	0641416	18	Bolt 1/4in-20NC x 2in	
24	3422219	4	Spring Pin	
25	1060379	4	Cable, Lanyard	
27	0641406	4	Bolt 1/4in-20NC x 3/4in	
28	0961845	2	Bushing	
29	4420055	3 in/8cm	Tape	
30	3640916	1	Rail Weldment (Right Side)	
31	3640917	1	Rail Weldment (Left Side)	
32	3640918	1	Rail Weldment (Front)	
33	3537609	2	Plate, Pivot	
34	4844683	1	Handle Weldment (Right Side)	
35	4844684	1	Handle Weldment (Left Side)	
36	2560088	2	Grip	
37	3537615	2	Plate, Latch	
38	3760170	2	Ring	
39	2600201	1	Hinge	
41	4740411	16	Washer, Nylon	
42	1380132	2	Clip, Grip	
43	3941004	2	Screw, Self-Tapping #10 x 1/2in	
44	3911440	4	Screw 1/4in-20NC x 2 1/2in	
45	0641676	2	Bolt 3/8in-16NC x 9 1/2in	
46	3311605	2	Locknut 3/8in-16NC	
47	4711600	4	Flatwasher 3/8in Narrow	
48	0940049	2	Bumper	
49	3300151	2	Nut, Acorn 1/4in-20NC (Prior to SN 69983)	
50	0641405	2	Bolt 1/4in-20NC x 5/8 (SN 69983 to Present)	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255043	Ref	PLATFORM EXTENSION LIMIT SWITCH INSTALLATION (PRIOR TO JANUARY 1995)	
101	4360277	1	Switch, Limit	
102	4360236	1	Head, Switch Actuator	
103	4360278	1	Roller and Arm Assembly	
104	4460052	1	Connector, Strain Relief	
105	3900168	2	Screw, Special	
106	4920140	AR	Lockwire	
107	1060341	15 ft/4.6m	Cable, Electrical 16/2	

SECTION 4 - PLATFORM

FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLY (Prior to SN 71506)



SECTION 4 - PLATFORM

FIGURE 4-3. PLATFORM CONSOLE BOX ASSEMBLY (Prior to SN 71506)

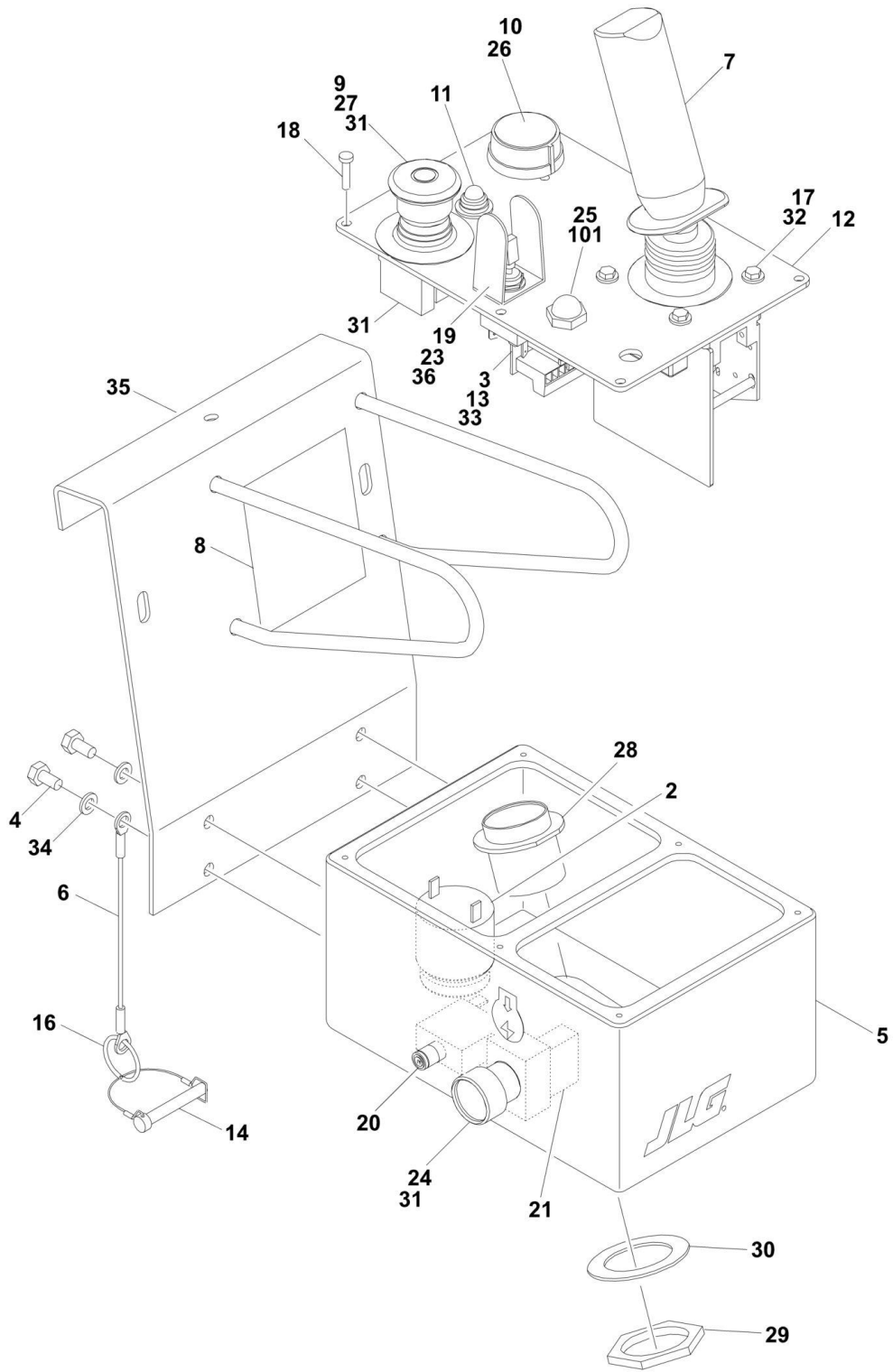
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0254545	Ref	CONSOLE BOX ASSEMBLY (Prior to SN 29596)	E
	0257161	Ref	CONSOLE BOX ASSEMBLY (SN 29596 to Present)	6
1	0860784	1	Box, Console	
2		Ref	Nameplate Options:	
2	3252326	1	Nameplate (Prior to SN 29596)	
2	3252522	1	Nameplate (SN 29596 to Present)	
3	4420008	32 in/.8m	Tape, Insulation	
4		Ref	Bracket, Hanger Options:	
4	0901859	1	Bracket, Hanger (Prior to SN 29596)	
4	0902498	1	Bracket, Hanger (SN 29596 to Present)	
5	0641404	4	Bolt 1/4in-20NC x 1/2in	
6	4791400	4	Starwasher 1/4in	
7	1060380	1	Lanyard - 10in/25.4cm	
8	3760170	1	Ring	
9	3421453	1	Pin, Snapper	
10	4460463	1	Receptacle, Terminal	
11	4460470	1	Nut, Panel	
12	4460471	1	Lockwasher	
13	4360339	1	Switch, Push Button	
13	7012593	1	Boot, Green	
14	4360267	1	Switch, Contact - N.O.	
15	3520026	1	Plug	
16	3900177	6	Screw	
17	4740120	2	Washer, Nylon	
18		Ref	Switch, Push/Pull (Emergency Stop) Options:	
18	4360317	1	Switch (Prior to SN 29596)	
18	7012566	1	Lens	
18	7012517	1	Bulb	
18	4360289	1	Switch (SN 29596 through 66900)	
18	7012611	1	Push-Pull Mushroom Head	
18	7012612	1	Boot	
18	4360475	1	Switch (SN 66901 to Present)	
18	7020175	1	Push-Pull Mushroom Head W/Seal	
18	7020176	1	Contact Block W/Mount	
19	4740066	2	Washer, Brass (June 1995 to Present)	
20	4360318	1	Switch, Toggle (Prior to October 1994)	
20	4360328	1	Switch, Toggle (October 1994 to Present)	
21	3790012	1	O-Ring	
22	1600180	1	Controller, PQ	
23	3900178	2	Screw #10-24NC x 3/4in	
24	4360274	1	Switch, Push Button (Prior to SN 47782)	
28	0100009	AR	Sealant, Silicone	
30		Ref	Potentiometer, Speed Control Options:	
30	4360370	1	Potentiometer, Speed Control (Prior to SN 29596)	
30	4360445	1	Potentiometer, Speed Control (SN 29596 to Present)	
31	3300352	2	Nut, Special (Prior to SN 29596)	
32		Ref	Knob, Speed Control Options:	
32	2560121	1	Knob, Speed Control (Prior to SN 29596)	
32	2560136	1	Knob, Speed Control (SN 29596 to Present)	
34	1701827	1	Decal - Legend	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
35	4740066	2	Washer, Thrust (Prior to SN 29596)	
36		Ref	Switch Options:	
36	4360282	1	Switch (Prior to SN 66901)	
36	4360476	1	Switch (SN 66901 to Present)	
37	4360112	1	Breaker, Circuit - 5 Amp	
	0255064	Ref	OPTIONAL TILT INDICATOR INSTALLATION	2
101	2920125	1	Light, Indicator - Red	
102	4460578	2	Terminal	
103	0140030	1	Alarm, Sonalert	
104	0840026	2	Boot, Cable (SN 39555 to Present)	
	0258663	Ref	OPTIONAL HORN BUTTON INSTALLATION	1
151	4360274	1	Switch, Push Button	

SECTION 4 - PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLY (SN 71506 to Present)



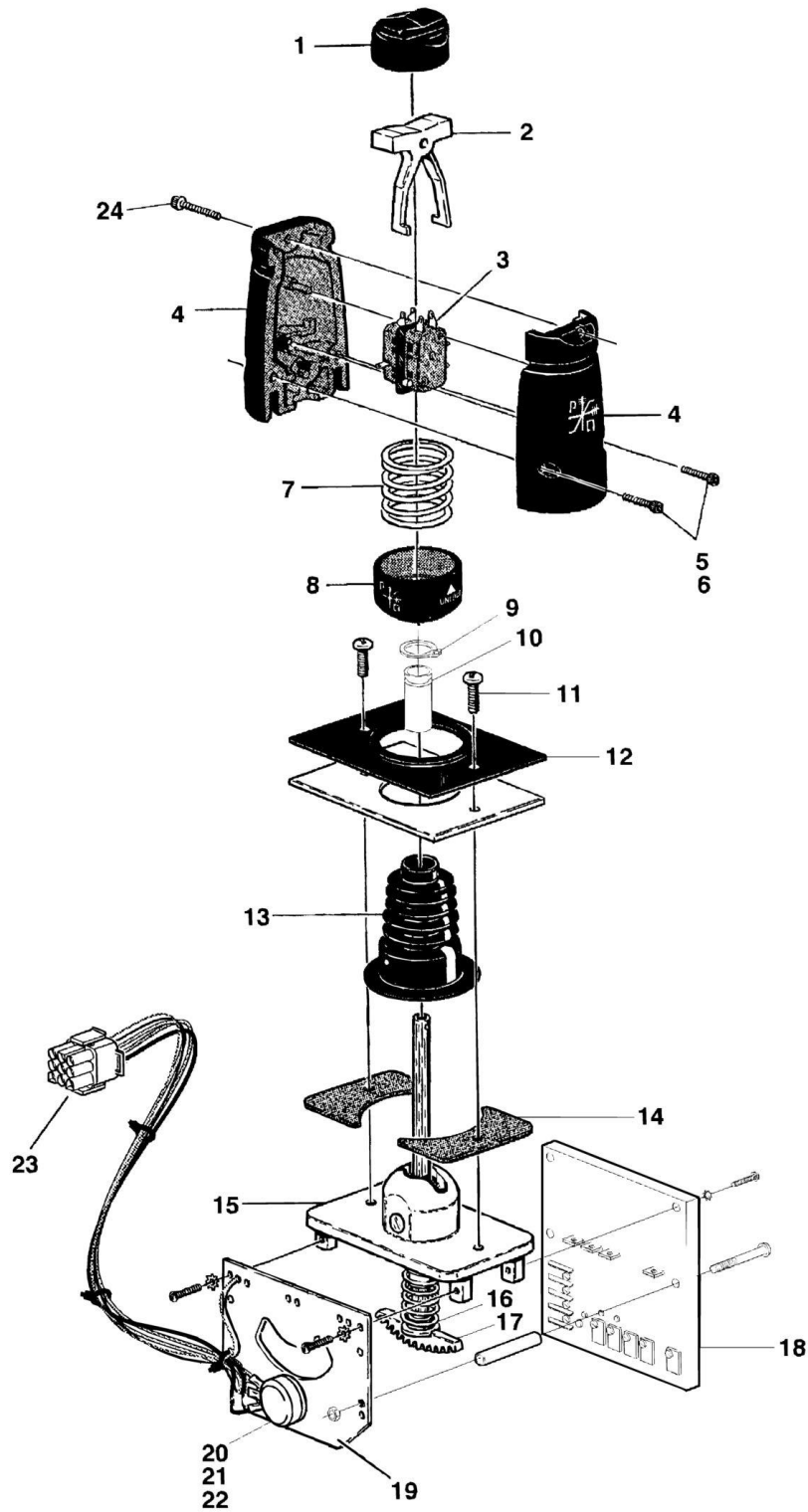
SECTION 4 - PLATFORM

FIGURE 4-4. PLATFORM CONSOLE BOX ASSEMBLY (SN 71506 to Present)

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

SECTION 4 - PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY - PQ (Prior to SN 71506)



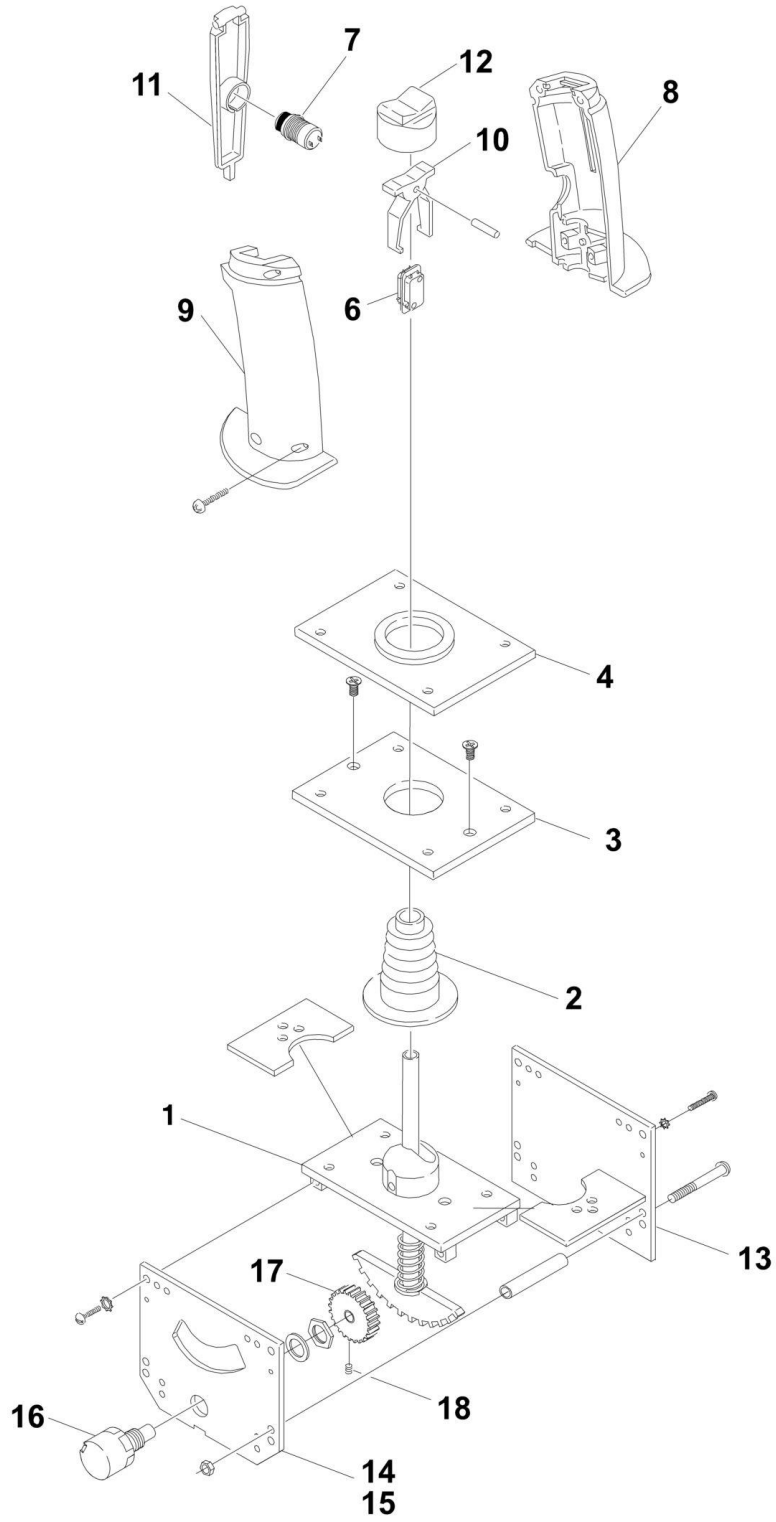
SECTION 4 - PLATFORM

FIGURE 4-5. CONTROLLER ASSEMBLY - PQ (Prior to SN 71506)

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

SECTION 4 - PLATFORM

FIGURE 4-6. CONTROLLER ASSEMBLY - PQ (SN 71506 to Present)



SECTION 4 - PLATFORM

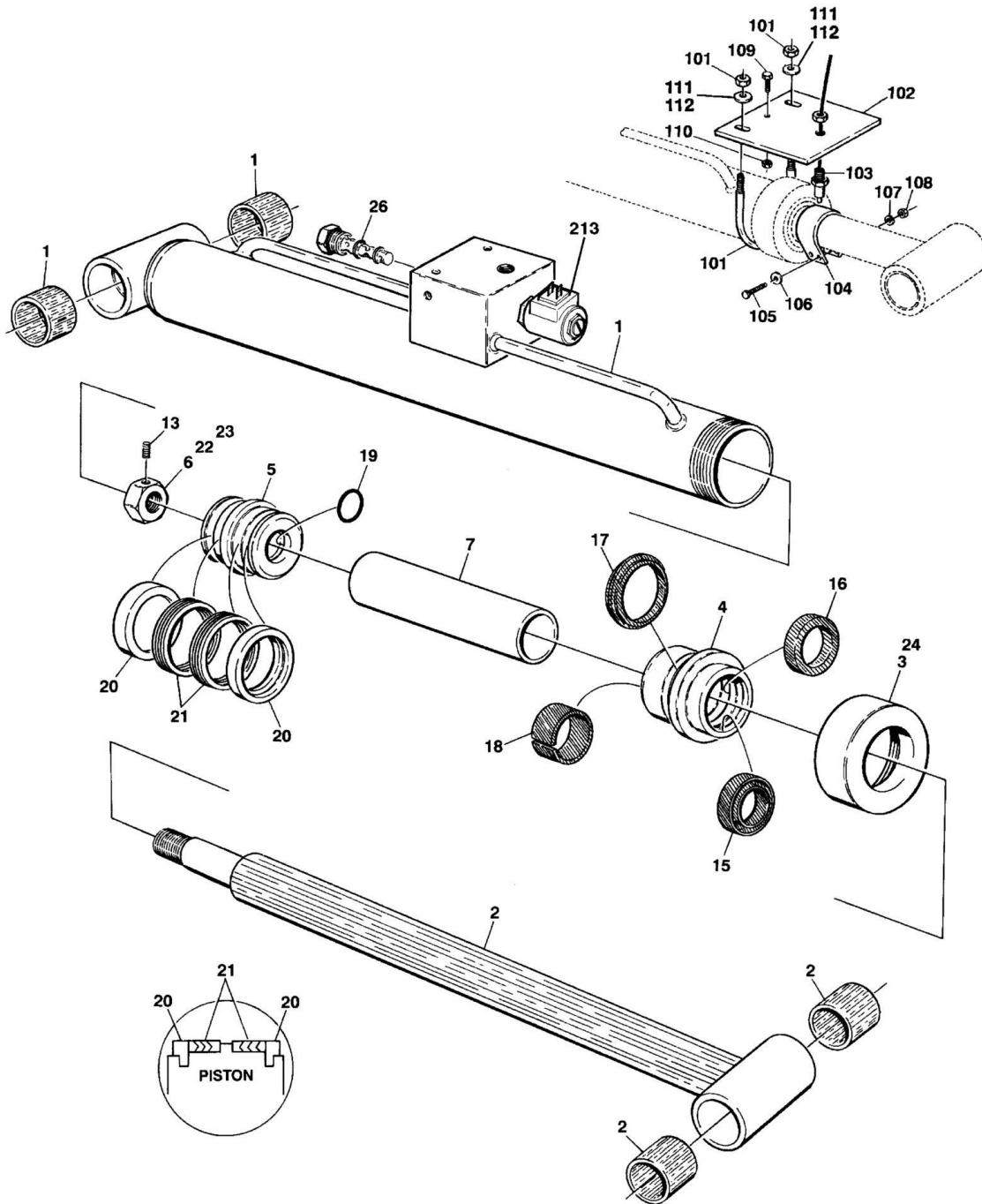
FIGURE 4-6. CONTROLLER ASSEMBLY - PQ (SN 71506 to Present)

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

SECTION 5 - CYLINDER

SECTION 5 - CYLINDER

FIGURE 5-1. LIFT CYLINDER ASSEMBLY



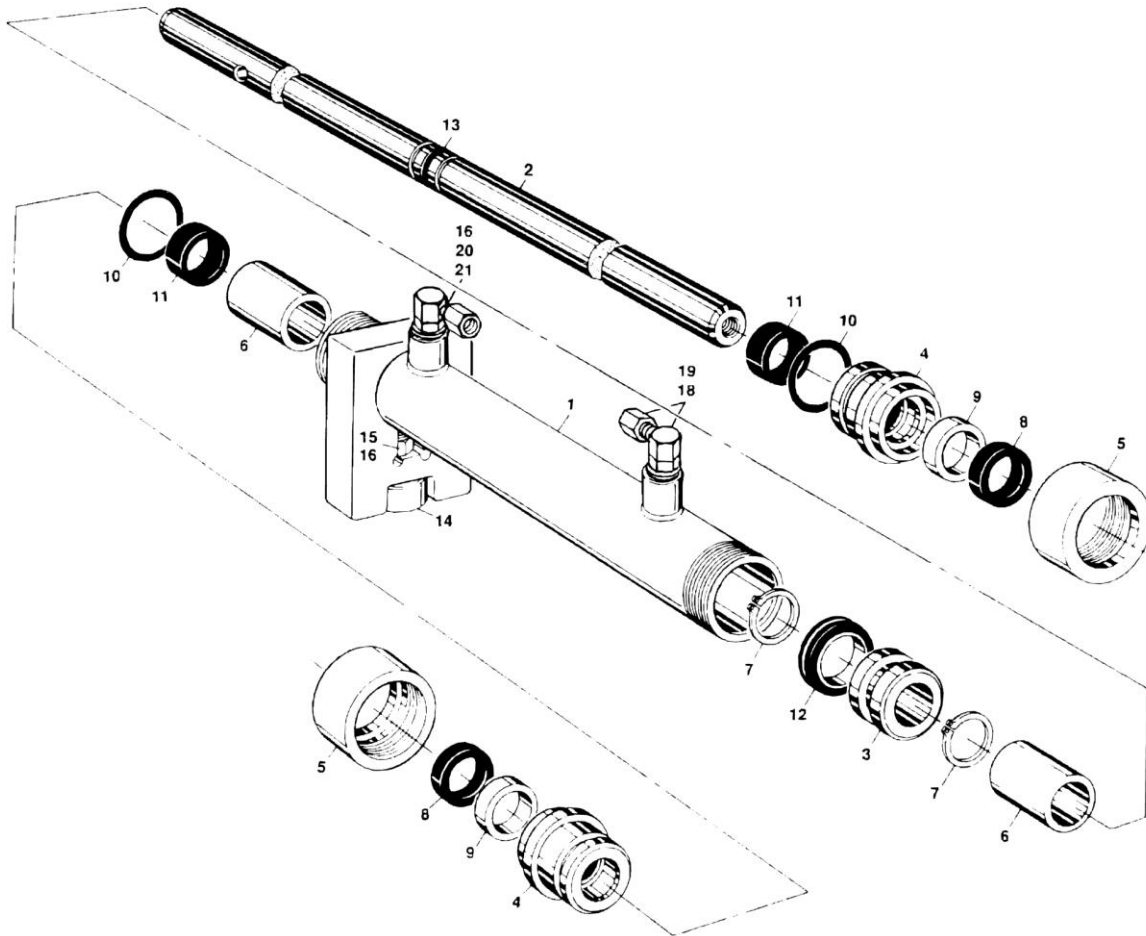
SECTION 5 - CYLINDER

FIGURE 5-1. LIFT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1682935	Ref	LIFT CYLINDER ASSEMBLY	3
1	1682936	1	Barrel Assembly	
1	0961826	2	Bushing	
2	1682938	1	Rod Assembly	
2	0961826	2	Bushing	
3	1120336	1	Retainer	
4	1681843	1	Head	
5	3480102	1	Piston	
6	3300281	1	Nut	
7	4566171	1	Spacer	
13	3900170	1	Set Screw	
15	Kit	1	Wiper, Rod	
16	Kit	1	Seal, Rod	
17	Kit	1	T-Seal	
18	Kit	1	Ring, Wear	
19	Kit	1	O-Ring	
20	Kit	2	Ring, Lock	
21	Kit	2	Seal, Piston	
22	0100011	AR	Loctite #222	
23	0100038	AR	Primer, Locking	
24	0100035	AR	Loctite #222	
26	4640903	1	Valve, Thermal Relief	
	2901102	1	Seal Kit - 1682935 Cylinder (Includes Items 15-21)	
	0254495	Ref	DRIVE CUT-OUT INSTALLATION	C
101	1320206	1	Clamp	
102	0362341	1	Bar	
103		Ref	Proximity Sensor Switch	
103	4921657	1	Proximity Sensor Switch Prior to May 1995	
103	4360313	1	Proximity Sensor Switch May 1995 to Present	
104	4240103	1	Strap	
105	0641424	2	Bolt 1/4in-20NC x 3in	
106	4751400	4	Flatwasher 1/4in	
107	4761400	2	Lockwasher 1/4in	
108	3311401	2	Nut 1/4in-20NC	
109	0641412	1	Bolt 1/4in-20NC x 1 1/2in	
110	3311405	1	Locknut 1/4in-20NC	
111	4711800	2	Flatwasher 1/2in Narrow	
112	4761800	2	Lockwasher 1/2in	
		Ref	SCISSORS ARMS INSTALLATION COMPONENTS	
213	4640381	1	Cartridge, Holding Valve	
213	7000644	1	Coil (Hydraforce Version)	
213	7004334	1	Coil (Modular Controls Version)	
213	2900756	1	Seal Kit (Hydraforce Version)	
213	2900503	1	Seal Kit (Modular Controls Version)	

SECTION 5 - CYLINDER

FIGURE 5-2. STEER CYLINDER ASSEMBLY



SECTION 5 - CYLINDER

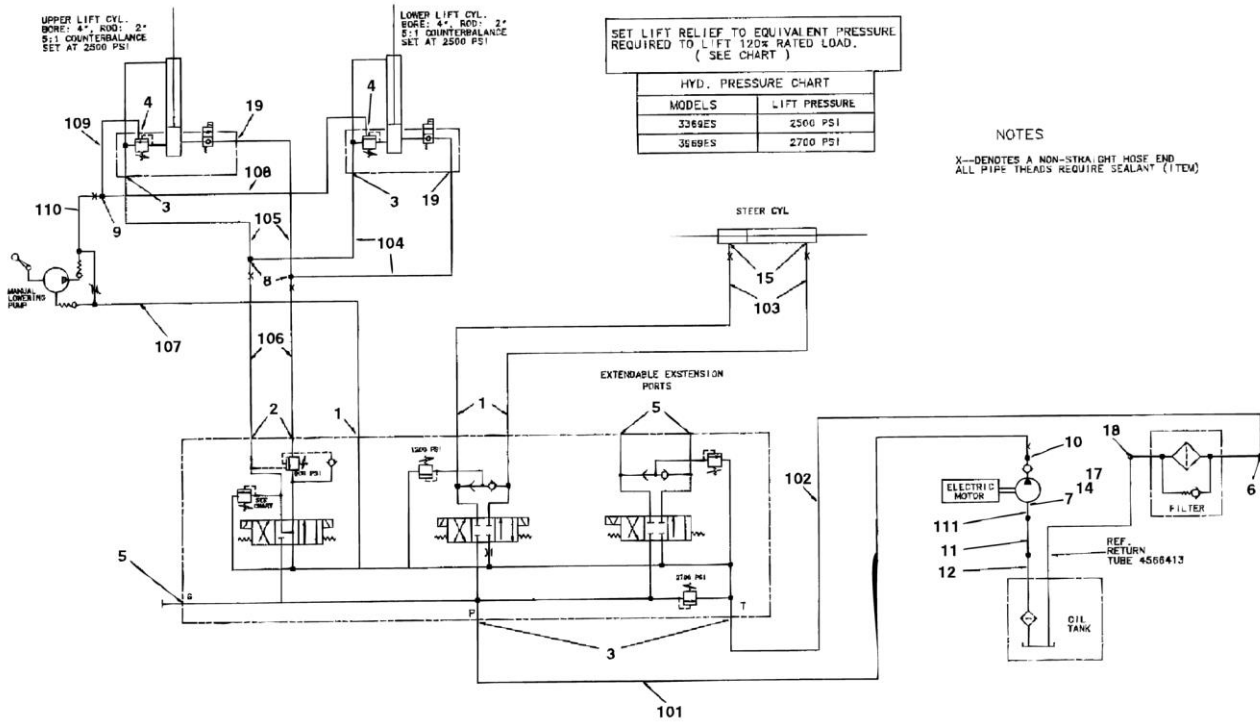
FIGURE 5-2. STEER CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	STEER CYLINDER ASSEMBLIES	
	1682527	Ref	Steer Cylinder Assemblies (Prior to SN 47596)	C
	1683695	Ref	Steer Cylinder Assemblies (SN 47596 to Present)	2
		Ref	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.	
1		Ref	Barrel Weldment Options:	
1	1682528	1	Barrel Weldment (Prior to SN 47596)	
1	1683694	1	Barrel Weldment (SN 47596 to Present)	
2	1682530	1	Rod	
3	3480153	1	Piston	
4	1682364	2	Head	
5	1120387	2	Retainer	
6	4565275	2	Spacer	
7	3760141	2	Ring, Retaining	
8	Kit	2	Seal, Wiper	
9	Kit	2	Seal, Rod	
10	Kit	2	O-Ring	
11	Kit	2	Ring, Wear	
12	Kit	1	T-Seal	
13	Kit	1	O-Ring	
14		Ref	Follower, Cam Options:	
14	3860054	1	Follower, Cam (Prior to SN 47596)	
14	3860080	1	Follower, Cam (SN 47596 to Present)	
15		Ref	Nut 1/2in-20NF Options:	
15	3321801	1	Nut 1/2in-20NF (Prior to SN 47596)	
15	3321802	1	Nut 1/2in-20NF (SN 47596 to Present)	
16	0100035	AR	Loctite #222	
18	2220472	1	Fitting 90	
19	2220515	2	Fitting, Cap	
20	2180699	1	Fitting, Modified	
21	2180394	1	Orifice	
	2901178	1	Seal Kit (Includes Items 8-13)	

SECTION 6 - HYDRAULIC

SECTION 6 - HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM



SECTION 6 - HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM

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

SECTION 7 - ELECTRICAL

SECTION 7 - ELECTRICAL

FIGURE 7-1. ELECTRICAL DIAGRAM LIST

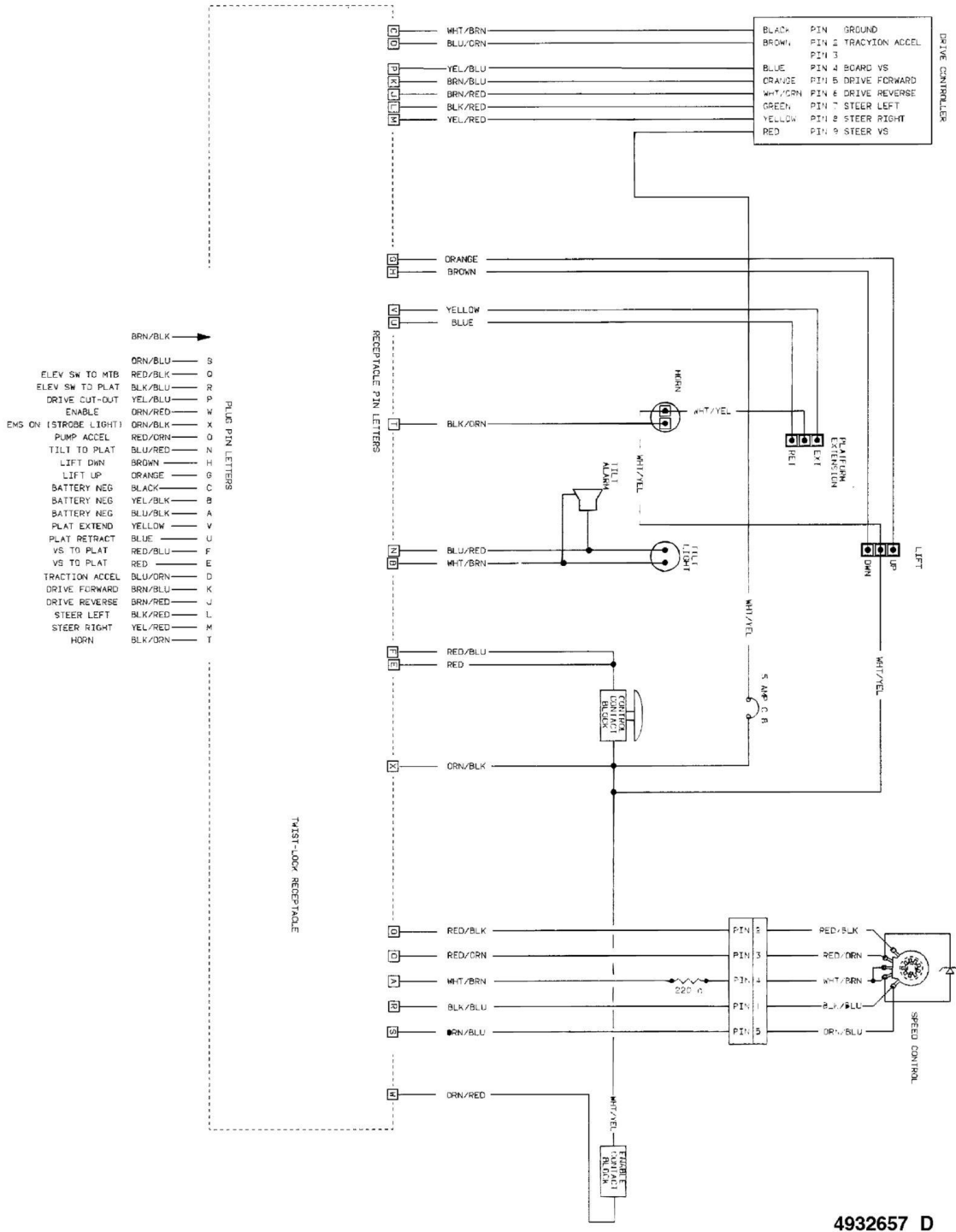
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	Note: Drawings are available from the JLG Service Department upon request.	
	1282327	Ref	ALARM ELECTRICAL DIAGRAMS (REF DRG ONLY)	B
	0255046	Ref	Descent Alarm Electrical Diagram (B/M Only)	-
	0255044	Ref	Motion Alarm Electrical Diagram (B/M Only)	A
	0255045	Ref	Travel Alarm Electrical Diagram (B/M Only) (Prior to SN 71506)	B
	0140031	1	Alarm	
	3990010	1	Diode - 6 Amp	
	1060341	7 ft/2m	Cable, Electrical - 16/2	
	3740087	1	Relay	
	3740063	1	Clip, Spring	
	4120027	1	Socket, Relay	
	0254827	Ref	BEACON LIGHT ELECTRICAL DIAGRAM (FRAME MOUNTED)	A
	2920119	1	Light, Beacon (Prior to SN 23604)	
	2920146	1	Light, Beacon (SN 23604 to Present)	
	1060341	121 in/3m	Cable, Electrical - 16/2	
		Ref	BEACON LIGHT ELECTRICAL DIAGRAM (UNDER PLATFORM MOUNTED) (REF DRG ONLY)	
	0255032	Ref	Electrical Diagram - Model 3369 (B/M Only)	A
	0255034	Ref	Electrical Diagram - Model 3969 (B/M Only)	A
	2920119	1	Light, Beacon (Prior to SN 23604)	
	2920146	1	Light, Beacon (SN 23604 to Present)	
	1060341	Ref	Cable, Electrical - 16/2 Options:	
	1060341	73/22.3m	Cable, Electrical - 16/2 Model 3369	
	1060341	80/24.4m	Cable, Electrical - 16/2 Model 3969	
		Ref	GROUND TO PLATFORM ELECTRICAL HARNESS	
		Ref	Ground To Platform Electrical Harness Model 3369 Options:	
	4921652	1	Ground To Platform Electrical Harness (Prior to SN 58031)	
	4922246	1	Ground To Platform Electrical Harness (SN 58031 through 77819)	
	4922435	1	Ground To Platform Electrical Harness (SN 77820 to Present)	
		Ref	Ground To Platform Electrical Harness Model 3969 Options:	
	4921653	1	Ground To Platform Electrical Harness (Prior to SN 58031)	
	4922247	1	Ground To Platform Electrical Harness (SN 58031 through 77819)	
	4922434	1	Ground To Platform Electrical Harness (SN 77820 to Present)	
	0255047	Ref	HORN ELECTRICAL DIAGRAM	3
	0140028	1	Horn	
	1060341	8 ft/2.4m	Cable, Electrical - 16/2	
	0840026	2	Boot, Terminal	
	3990010	1	Diode - 6 Amp (SN 29014 to Present)	
		Ref	PLATFORM ELECTRICAL DIAGRAMS	
	4932657	Ref	PLATFORM ELECTRICAL (Prior to SN 71506)	4
	4360370	1	Switch, Potentiometer (Prior to SN 30476)	
	3730001	1	Resistor 220 Ohm	
	3990051	1	Diode	
	4933121	Ref	PLATFORM ELECTRICAL (SN 71506 to Present)	1-C
	3730001	1	Resistor 220 Ohm	
	0255043	Ref	PLATFORM LIMIT SWITCH ELECTRICAL DIAGRAM	-

SECTION 7 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4360277	1	Switch, Limit	
	1060341	15 ft/4.6m	Cable, Electrical - 16/2	
		Ref	PLATFORM WORKLIGHT ELECTRICAL DIAGRAM (B/M ONLY) OPTIONS:	
	0254828	Ref	Platform Worklight Electrical Diagram (B/M Only) Model 3369	B
	0254829	Ref	Platform Worklight Electrical Diagram (B/M Only) Model 3969	2
	2920095	2	Worklight	
	1060341	Ref	Cable, Electrical - 16/2 Options:	
	1060341	111 ft/34m	Cable, Electrical - 16/2 Model 3369	
	1060341	118 ft/36m	Cable, Electrical - 16/2 Model 3969	
	4932658	Ref	STANDARD ELECTRICAL DIAGRAM (Prior to SN 71506)	11
	3990010	7	Diode - 6 Amp	
	3990001	2	Diode - 3.5 Amp	
	1060341	12 ft/3.7m	Cable, Electrical - 16/2 (To Limit Switch)	
	4921657	1	Switch and Harness - Proximity Switch (Prior to May 1995)	
	4360313	1	Switch and Harness - Proximity Switch (May 1995 to Present)	
	3730107	1	Resistor - 1.5K ohms - 3 Watts	
	3730108	1	Resistor - 3.9K ohms - 1/4 Watts	
	4921701	1	Harness - Battery Charger	
	1060572	AR	Cable, Electrical - 18/2 (To Tach)	
	4460321	2	Plug, Tach Drive Sensor	
	4933129	Ref	STANDARD ELECTRICAL DIAGRAM (SN 71506 to Present)	1-C
	3990010	9	Diode - 6 Amp	
	3990001	2	Diode - 3.5 Amp	
	1060341	12 ft/3.7m	Cable, Electrical - 16/2 (To Limit Switch)	
	3730107	1	Resistor - 1.5K ohms - 3 Watts	
	3730108	1	Resistor - 3.9K ohms - 1/4 Watts	
	4921701	1	Harness - Battery Charger	
	1060572	AR	Cable, Electrical - 18/2 (To Tach)	
	4460321	2	Plug, Tach Drive Sensor	

SECTION 7 - ELECTRICAL

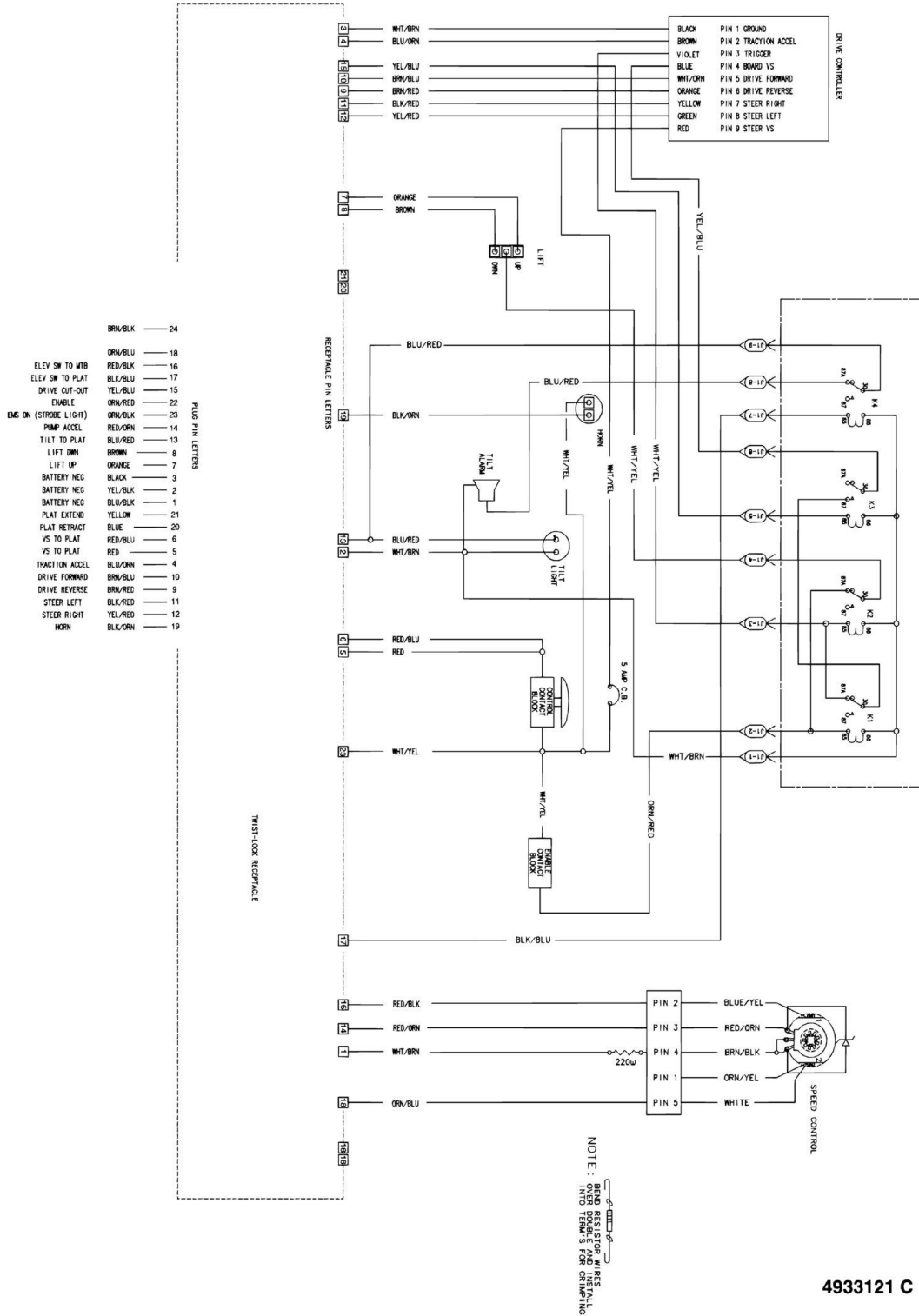
FIGURE 7-2. ELECTRICAL SCHEMATIC - PLATFORM (Prior to SN 71506)



4932657 D

SECTION 7 - ELECTRICAL

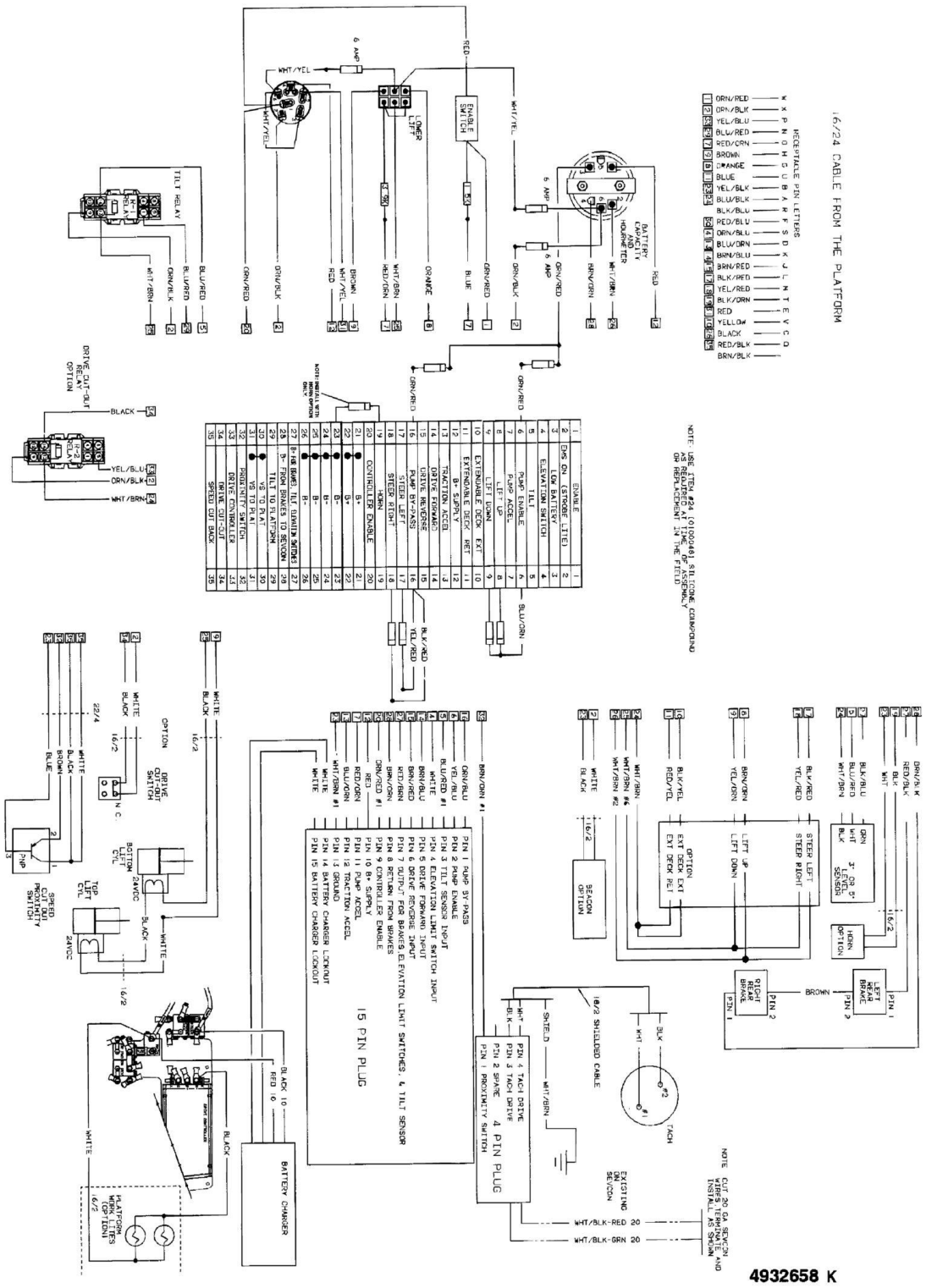
FIGURE 7-3. ELECTRICAL SCHEMATIC - PLATFORM (SN 71506 to Present)



4933121 C

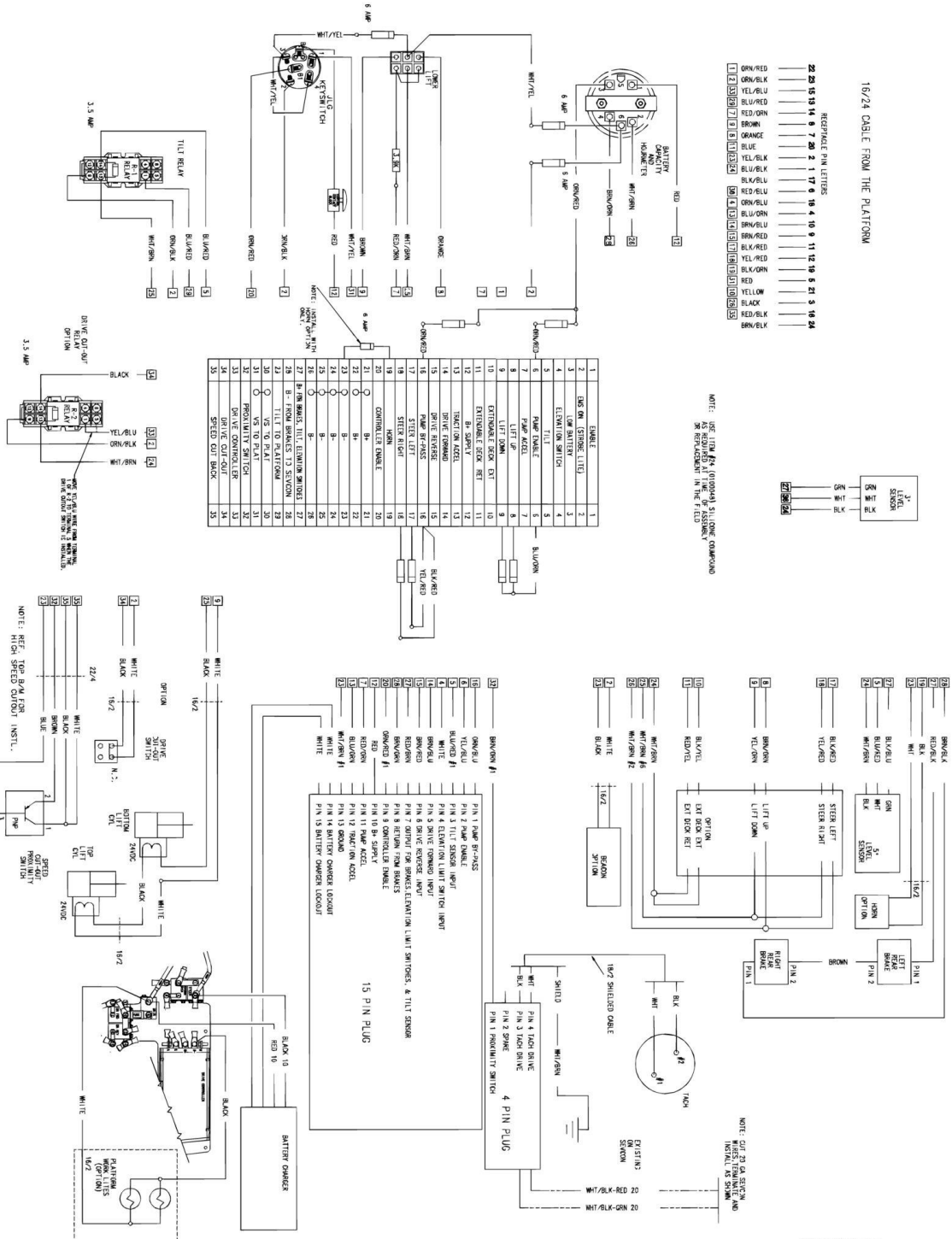
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FIGURE 7-4. ELECTRICAL DIAGRAM - STANDARD (Prior to SN 71506)



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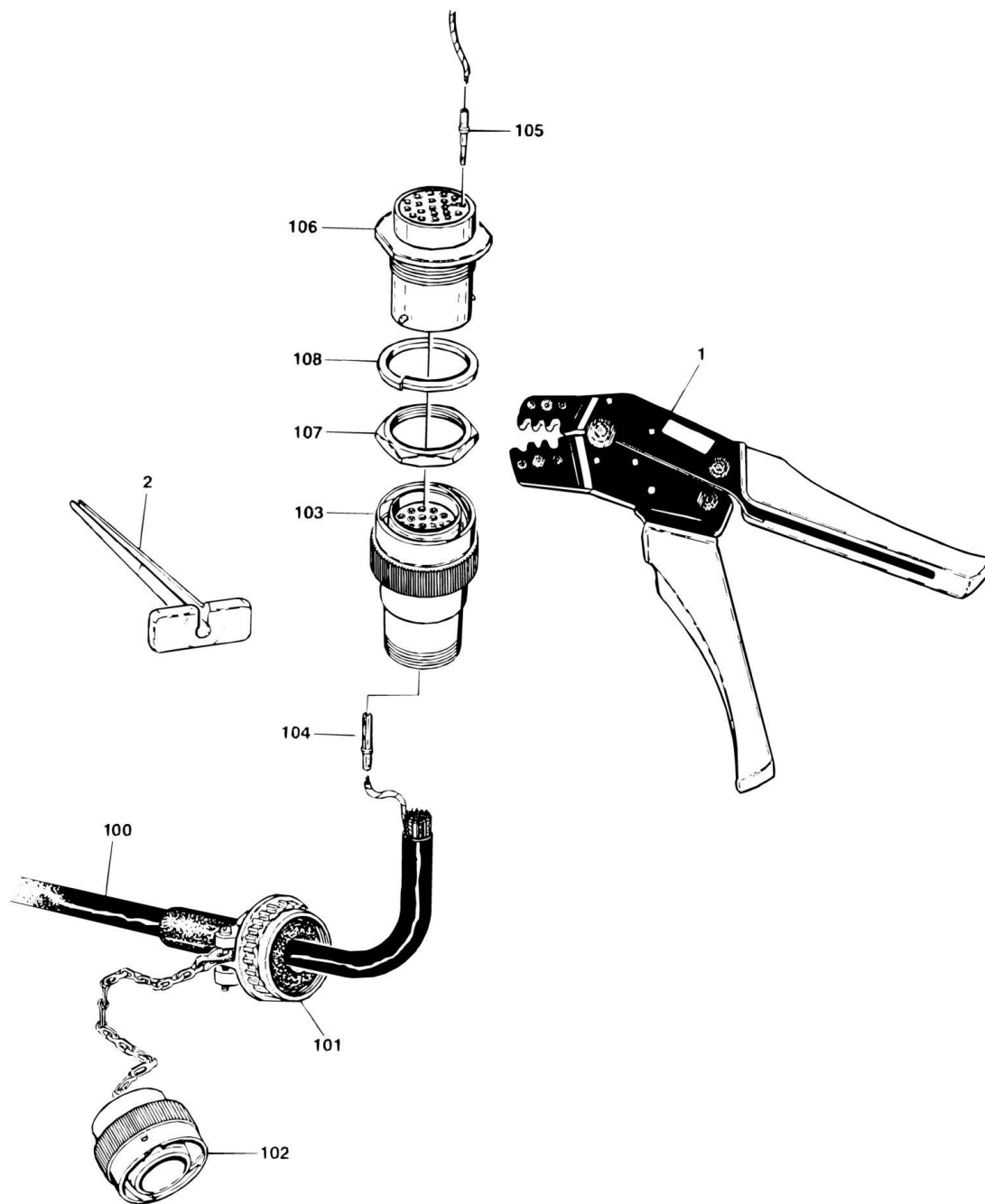
FIGURE 7-5. ELECTRICAL DIAGRAM - STANDARD (SN 71506 to Present)



4933129 C

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FIGURE 7-6. MAIN ELECTRICAL CONNECTOR AND TOOLS



SECTION 7 - ELECTRICAL

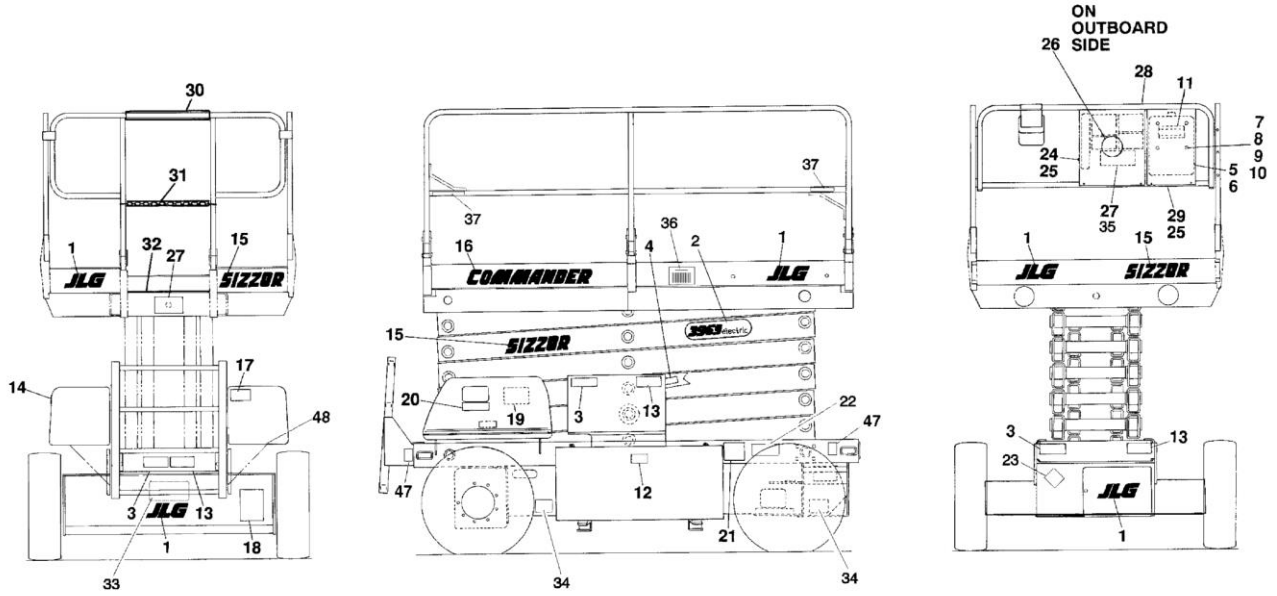
FIGURE 7-6. MAIN ELECTRICAL CONNECTOR AND TOOLS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	TOOLS:	
1	7002818	1	Crimper (For Wire to Pin/Socket Connections)	
2	4460467	1	Extractor (For Removal of Pin/Socket Connectors)	
		Ref	GROUND TO PLATFORM ELECTRICAL HARNESS	
		Ref	Ground To Platform Electrical Harness Model 3369 Options:	
	4921652	1	Ground To Platform Electrical Harness (Prior to SN 58031)	
	4922246	1	Ground To Platform Electrical Harness (SN 58031 through 77819)	
	4922435	1	Ground To Platform Electrical Harness (SN 77820 to Present)	
		Ref	Ground To Platform Electrical Harness Model 3969 Options:	
	4921653	1	Ground To Platform Electrical Harness (Prior to SN 58031)	
	4922247	1	Ground To Platform Electrical Harness (SN 58031 through 77819)	
	4922434	1	Ground To Platform Electrical Harness (SN 77820 to Present)	
100	1060826	Ref	Cable, Electrical - 16/24	
100	1060826	78 ft/23.8m	Cable, Electrical - 16/24 Model 3369	
100	1060826	88 ft/26.8m	Cable, Electrical - 16/24 Model 3969	
101	4460473	1	Clamp, Cable	
102	4460468	1	Cap, Dust	
103		Ref	Connector, Female Options:	
103	4460462	1	23 Pin Connector (Prior to SN 77820)	
103	4460502	1	31 Pin Connector (SN 77820 to Present)	
104	4460465	AR	Socket, Female	
		Ref	PLATFORM CONSOLE COMPONENTS	
	0254545	Ref	Platform Console Components (Prior to SN 29596)	
	0257161	Ref	Platform Console Components (SN 29596 through 71505)	
	0259863	Ref	Platform Console Components (SN 71506 to Present)	
105	4460464	AR	Pin, Male	
106		Ref	Plug, Male Options:	
106	4460463	1	23 Pin Plug (Prior to SN 77820)	
106	4460503	1	31 Pin Plug (SN 77820 to Present)	
107	4460470	1	Nut, Receptacle	
108	4460471	1	Lockwasher, Receptacle	

SECTION 8 - DECALS

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FIGURE 8-1. DECALS INSTALLATION (Prior to SN 69694)



SECTION 8 - DECALS

FIGURE 8-1. DECALS INSTALLATION (Prior to SN 69694)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATIONS OPTIONS:	
	0254746	Ref	Decal Installation - Model 3369 (USA/Canada)	16
	0254747	Ref	Decal Installation - Model 3969 (USA/Canada)	14
	0255631	Ref	Decal Installation - Model 3369 (Latin America)	10
	0255767	Ref	Decal Installation - Model 3969 (Latin America)	11
	0257560	Ref	Decal Installation - Model 3369 (Brazil)	6
	0257561	Ref	Decal Installation - Model 3969 (Brazil)	7
	0257310	Ref	Decal Installation - Model 3369 (Japanese) (SN 31253 to Present)	6
	0257311	Ref	Decal Installation - Model 3969 (Japanese) (SN 31253 to Present)	8
1	1702009	6	Decal - JLG	
2		Ref	Decal - Model Options:	
2	1702255	2	Decal - Model 3369	
2	1702256	2	Decal - Model 3969	
3		Ref	Decal - Electrical Hazard Options:	
3	1702250	4	USA/Canada	
3	1702554	4	Latin America	
3	1703612	4	Brazil	
3	1701620	4	Japanese	
4		Ref	Decal - Safety Prop Options:	
4	1701839	2	USA/Canada	
4	1701856	2	Latin America	
4	1703550	2	Brazil	
4	1701622	2	Japanese	
5	0860520	1	Box, Manual Storage	
6	1060279	1	Cable, Lanyard	
7	0641405	4	Bolt 1/4in-20NC x 5/8in	
8	4751400	4	Flatwasher 1/4in	
9	4761400	4	Lockwasher 1/4in	
10	3311401	4	Nut 1/4in-20NC	
11	1701509	1	Decal	
12		Ref	Decal - Warning Options:	
12	1702279	2	USA/Canada	
12	1702553	2	Latin America	
12	Not Required	0	Brazil	
12	Not Required	0	Japanese	
13		Ref	Decal - Crushing Hazard Options:	
13	1702246	4	USA/Canada	
13	1702559	4	Latin America	
13	1703583	4	Brazil	
13	1702350	4	Japanese	
14	1701504	1	Decal - Hydraulic Oil	
15	1702029	4	Decal - Sizzor	
16	1702011	2	Decal - Commander (Prior to SN 50299)	
17		Ref	Decal - Manual Lowering Valve Options:	
17	1702257	1	USA/Canada	
17	1701510	1	Latin America (Prior to SN 57044)	
17	1702431	1	Latin America (SN 57044 to Present)	
17	1702431	1	Brazil	

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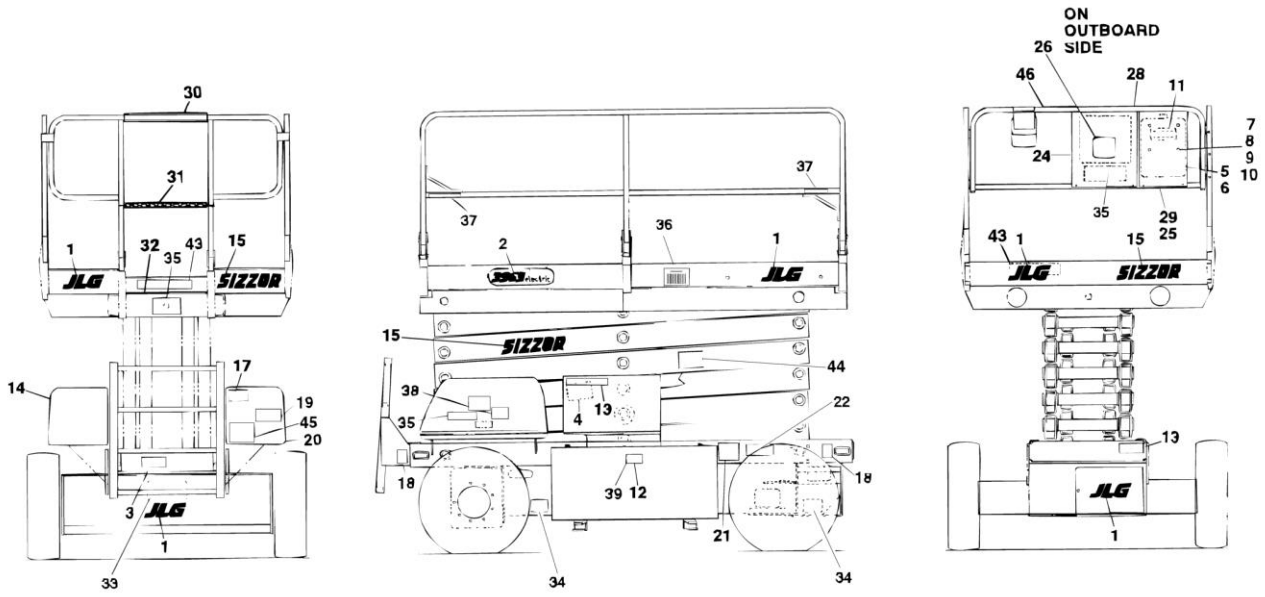
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
17	1702431	1	Japanese	
18		Ref	Decal - Daily Checklist Options:	
18	1702247	1	USA/Canada	
18	1702592	1	Latin America (Prior to SN 69694)	
18	Not Required	0	Brazil	
18	1702351	1	Japanese (Prior to SN 69694)	
19		Ref	Decal Options:	
19	1702259	1	Decal - Warning (USA/Canada Model 3369) (Prior to SN 53019)	
19	1702252	1	Decal - Warning (USA/Canada Model 3369) (SN 53019 to Present)	
19	1702252	1	Decal - Warning (USA/Canada - Model 3969) (Prior to SN 69694)	
19	1704432	1	Decal - Warning (USA/Canada - Model 3969) (SN 69694 to Present)	
19	1702593	1	Decal - Warning (Latin America - Model 3369/Model 3969)	
19	1702430	1	Decal - Manual Descent Instructions (Brazil - Model 3369/Model3969)	
19	1702430	1	Decal - Manual Descent Instructions (Japanese - Model 3369/Model3969)	
20		Ref	Decal Options:	
20	1702248	1	Decal - Danger - USA/Canada	
20	1701858	1	Decal - Danger - Latin America (Prior to SN 69694)	
20	Not Required	0	Decal - Brazil	
20	1701624	1	Decal Ground Control - Japanese (Prior to SN 69694)	
21		Ref	Decal - Inspection	
21	1702153	1	USA/Canada	
21	1702552	1	Latin America	
21	Not Required	0	Brazil	
21	1701621	1	Japanese	
22	Consult Factory	1	Nameplate - Serial Number	
24		Ref	Nameplate - Billboard Options:	
24	3252336	1	USA/Canada - Model 3369/3969 (Prior to SN 67192)	
24	1703816	1	USA/Canada - Model 3369/3969 (SN 67192 to Present)	
24	3252458	1	Latin America - Model 3369/3969 (Prior to SN 69694)	
24	1704440	1	Latin America - Model 3369/3969 (SN 69694 to Present)	
24	1702543	1	Brazil - Model 3369 (Prior to SN 69694)	
24	1704438	1	Brazil - Model 3369 (SN 69694 to Present)	
24	1702544	1	Brazil - Model 3969	
24	3252430	1	Japanese - Model 3369/3969	
25	3820001	6	Rivet	
26	3251813	1	Decal - USA	
27		Ref	Nameplate - Capacity Options:	
27	3252338	2	USA/Canada (Prior to SN 37139)	
27	3252450	2	Latin America (Prior to SN 37139)	
27	1703615	1	Brazil	
27	Not Required	0	Japanese	
28		Ref	Decal - Gate Options:	
28	1702249	1	USA/Canada	
28	1702594	1	Latin America	
28	Not Required	0	Brazil	
28	Not Required	0	Japanese	
29		Ref	Plate, Box Mounting Options:	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
29	3538162	1	Plate, Box Mounting (Prior to SN 67192)	
29	3571691	1	Plate, Box Mounting (SN 67192 to Present)	
30		Ref	Pad Options:	
30	3340798	1	USA/Canada	
30	3340564	1	Latin America	
30	3340798	1	Brazil	
30	3340798	1	Japanese	
31	2820097	2 ft/0.6m	Tubing, Vinyl	
32	4420067	2 ft/0.6m	Tape, Safety Tread	
33		Ref	Decal - DC Motor Options:	
33	Not Required	0	USA/Canada	
33	1701765	1	Latin America	
33	Not Required	0	Brazil	
33	1701869	1	Japanese	
34		Ref	Decal - Max Tire Load Options (SN 29596 to Present)	
34	1703489	4	Decal - Max Tire Load Model 3369	
34	1703490	4	Decal - Max Tire Load Model 3969	
35		Ref	Nameplate - Capacity Options (SN 37139 to Present)	
35	3252337	2	USA/Canada - Model 3369	
35	3252338	2	USA/Canada - Model 3969	
35	3252451	2	Latin America - Model 3369	
35	3252450	2	Latin America - Model 3969	
35	3252559	2	Brazil - Model 3369	
35	3252560	2	Brazil - Model 3969	
35	3252178	2	Japanese - Model 3369	
35	3252152	2	Japanese - Model 3969	
36	Not Available	1	Decal - Bar Code (SN 45740 to Present)	
37		Ref	Decal - Attach Lanyard Here Options (SN 50299 to Present)	
37	1702612		USA/Canada	
37	1702690		Latin America	
37	1703900		Brazil	
37	Not Required	0	Japanese	
47	1703814	4	Decal - Tie Down	
48	1403703	1	Decal - Manual Descent Instructions	
	2910039	Ref	Decal Kit Installation - Model 3369 (USA/CSA)	11
	2910026	Ref	Decal Kit Installation - Model 3369 (USA/CSA)	11
	2900942	Ref	Decal Kit Installation - Model 3369 (Brazil)	3
	2900943	Ref	Decal Kit Installation - Model 3969 (Brazil)	3
	2900969	Ref	Decal Kit Installation - Model 3369 (Latin America)	6
	2910049	Ref	Decal Kit Installation - Model 3969 (Latin America)	5
	2910053	Ref	Decal Kit Installation - Model 3369 (Japanese)	5
	2910050	Ref	Decal Kit Installation - Model 3969 (Japanese)	5

SECTION 8 - DECALS

FIGURE 8-2. DECALS INSTALLATION (SN 69694 to Present)



SECTION 8 - DECALS

FIGURE 8-2. DECALS INSTALLATION (SN 69694 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATIONS OPTIONS:	
	0271016	Ref	Decal Installation - Common	1
	0259828	Ref	Decal Installation - Model 3369 (USA/Canada)	5
	0259873	Ref	Decal Installation - Model 3369 (Latin America)	3
	0259872	Ref	Decal Installation - Model 3369 (Brazil)	3
	0259874	Ref	Decal Installation - Model 3369 (Japanese)	3
1		Ref	Decal - JLG Options:	
1	1702773	6	Decal - JLG (Prior to SN 71506)	
1	1702009	6	Decal - JLG (SN 71506 through 81601)	
1	1701871	6	Decal - JLG (SN 81602 to Present)	
2	1702255	2	Decal - Model	
3		Ref	Decal - Electrical Hazard Options:	
3	1703823	1	USA/Canada	
3	1703842	1	Latin America	
3	1703834	1	Brazil	
3	1703850	1	Japanese	
4	1704404	2	Decal - Safety Prop	
5	0860520	1	Box, Manual Storage	
6	1060279	1	Cable, Lanyard	
7	0641405	4	Bolt 1/4in-20NC x 5/8in	
8	4751400	4	Flatwasher 1/4in	
9	4761400	4	Lockwasher 1/4in	
10	3311401	4	Nut 1/4in-20NC	
11	1703788	1	Decal, Manual	
12		Ref	Decal - Warning-Battery Vent Options:	
12	1703813	2	USA/Canada	
12	1703840	2	Latin America	
12	Not Required	0	Brazil	
12	Not Required	0	Japanese	
13		Ref	Decal - Crushing Hazard Options:	
13	1703818	3	USA/Canada	
13	1703841	3	Latin America	
13	1703833	3	Brazil	
13	1703849	3	Japanese	
14	1703812	1	Decal - Hydraulic Oil	
15	1702029	4	Decal - Sizzor (Prior to SN 81602)	
16	1703819	1	Decal - Directional Arrow	
17		Ref	Decal - Manual Lowering Valve Options:	
17	1702257	1	USA/Canada	
17	1702976	1	Latin America	
17	1703543	1	Brazil	
17	1703004	1	Japanese	
18	1703814	4	Decal - Tie Down	
19		Ref	Decal - Crushing Options:	
19	1704432	1	USA/Canada	
19	1702593	1	Latin America (Prior to SN 71605)	
19	1704439	1	Latin America (SN 71605 to Present)	
19	Not Required	0	Brazil	
19	Not Required	0	Japanese	
20	1703703	1	Decal - Manual Descent Instructions	

SECTION 8 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
21		Ref	Decal - Inspection	
21	1702153	1	USA/Canada	
21	1702552	1	Latin America	
21	Not Required	0	Brazil	
21	1701621	1	Japanese	
22	Not Available	1	Nameplate - Serial Number	
23		Ref	Decal - AC Power Options (Not Shown):	
23	1703464	1	USA/Canada	
23	Not Required	0	Latin America	
23	Not Required	0	Brazil	
23	Not Required	0	Japanese	
24		Ref	Decal - Danger/Warning Options:	
24	1703816	1	USA/Canada	
24	1703843	1	Latin America	
24	1703835	1	Brazil	
24	1704278	1	Japanese	
25	3820001	6	Rivet	
26	3251813	1	Decal - USA	
27		Ref	Nameplate - Capacity Options:	
27	Not Required	0	USA/Canada	
27	Not Required	0	Latin America	
27	1703615	1	Brazil (Prior to SN 69694)	
27	Not Required	0	Brazil (SN 69694 to Present)	
27	Not Required	0	Japanese	
28		Ref	Decal - Gate Options:	
28	1702249	1	USA/Canada	
28	1702594	1	Latin America	
28	Not Required	0	Brazil	
28	Not Required	0	Japanese	
29	3571691	1	Plate, Billboard	
30		Ref	Pad Options:	
30	3340798	1	USA/Canada	
30	3340564	1	Latin America	
30	3340798	1	Brazil	
30	3340798	1	Japanese	
31	2820097	2 ft/0.6m	Tubing, Mesh	
32	4420067	2 ft/0.6m	Tape, Safety Tread	
33		Ref	Decal - DC Motor Options:	
33	Not Required	0	USA/Canada	
33	1701765	1	Latin America	
33	Not Required	0	Brazil	
33	1701869	1	Japanese	
34	1703489	4	Decal - Max Tire Load	
35	3252643	3	Nameplate - Capacity Options:	
36	Not Available	1	Decal - Bar Code	
37		Ref	Decal - Attach Lanyard Here Options:	
37	1704277		USA/Canada	
37	1704277		Latin America	
37	1704277		Brazil	
37	Not Required	0	Japanese	
46		Ref	Decal - Control Box Location Options: (SN 71506 to Present)	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
46	1703821	1	USA/Canada	
46	1703837	1	Latin America	
46	1703829	1	Brazil	
46	1703845	1	Japanese	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-1. MODELS 3369/3969 ELECTRICAL SCISSOR STANDARD PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	Note: 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.	
		Ref	STANDARD PARTS	
	3990053	1	Sensor, Tach Drive, (for fleets of 1 to 10)	
	3990053	1	Sensor, Tach Drive, (for fleets of 10 to 20)	
	3990053	1	Sensor, Tach Drive, (for fleets of 20 or more)	
	2400053	2	Fuse (Standard Machines), (for fleets of 1 to 10)	
	2400053	2	Fuse (Standard Machines), (for fleets of 10 to 20)	
	2400053	2	Fuse (Standard Machines), (for fleets of 20 or more)	
	2400045	2	Fuse (UL Machines), (for fleets of 1 to 10)	
	2400045	2	Fuse (UL Machines), (for fleets of 10 to 20)	
	2400045	2	Fuse (UL Machines), (for fleets of 20 or more)	
	7013310-ES	1	Controller, Sevcon, (for fleets of 1 to 10)	
	7013310-ES	1	Controller, Sevcon, (for fleets of 10 to 20)	
	7013310-ES	1	Controller, Sevcon, (for fleets of 20 or more)	
	7013312	2	Fuse - 200 Amp, (for fleets of 1 to 10)	
	7013312	2	Fuse - 200 Amp, (for fleets of 10 to 20)	
	7013312	2	Fuse - 200 Amp, (for fleets of 20 or more)	
	7013314	1	Circuit Board, (for fleets of 1 to 10)	
	7013314	1	Circuit Board, (for fleets of 10 to 20)	
	7013314	1	Circuit Board, (for fleets of 20 or more)	
	4360371	1	Sensor, Level, (for fleets of 1 to 10)	
	4360371	1	Sensor, Level, (for fleets of 10 to 20)	
	4360371	1	Sensor, Level, (for fleets of 20 or more)	
	4360349	1	Sensor, Level, (for fleets of 1 to 10)	
	4360349	1	Sensor, Level, (for fleets of 10 to 20)	
	4360349	1	Sensor, Level, (for fleets of 20 or more)	
	4360300	1	Switch, Limit, (for fleets of 1 to 10)	
	4360300	1	Switch, Limit, (for fleets of 10 to 20)	
	4360300	1	Switch, Limit, (for fleets of 20 or more)	
	7011593	2	Fuse, DC, (for fleets of 1 to 10)	
	7011593	2	Fuse, DC, (for fleets of 10 to 20)	
	7011593	2	Fuse, DC, (for fleets of 20 or more)	
	7011597	2	Fuse, AC, (for fleets of 1 to 10)	
	7011597	2	Fuse, AC, (for fleets of 10 to 20)	
	7011597	2	Fuse, AC, (for fleets of 20 or more)	
	7011518	1	Transformer, Control, (for fleets of 1 to 10)	
	7011518	1	Transformer, Control, (for fleets of 10 to 20)	
	7011518	1	Transformer, Control, (for fleets of 20 or more)	
	1340052	1	Breather, (for fleets of 1 to 10)	
	1340052	2	Breather, (for fleets of 10 to 20)	
	1340052	3	Breather, (for fleets of 20 or more)	
	2120072	4	Element, Hydraulic Filter, (for fleets of 1 to 10)	
	2120072	8	Element, Hydraulic Filter, (for fleets of 10 to 20)	
	2120072	12	Element, Hydraulic Filter, (for fleets of 20 or more)	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7012752	1	Coil, (for fleets of 1 to 10)	
	7012752	1	Coil, (for fleets of 10 to 20)	
	7012752	1	Coil, (for fleets of 20 or more)	
	4360473	1	Switch, Key, (for fleets of 1 to 10)	
	4360473	1	Switch, Key, (for fleets of 10 to 20)	
	4360473	1	Switch, Key, (for fleets of 20 or more)	
	2860030	1	Key, Replacement, (for fleets of 1 to 10)	
	2860030	1	Key, Replacement, (for fleets of 10 to 20)	
	2860030	1	Key, Replacement, (for fleets of 20 or more)	
	4360314	1	Switch, Toggle, (for fleets of 1 to 10)	
	4360314	1	Switch, Toggle, (for fleets of 10 to 20)	
	4360314	1	Switch, Toggle, (for fleets of 20 or more)	
	3740087	1	Relay, (for fleets of 1 to 10)	
	3740087	1	Relay, (for fleets of 10 to 20)	
	3740087	1	Relay, (for fleets of 20 or more)	
	4360339	1	Switch, Push Button, (for fleets of 1 to 10)	
	4360339	1	Switch, Push Button, (for fleets of 10 to 20)	
	4360339	1	Switch, Push Button, (for fleets of 20 or more)	
	4360267	1	Contact, Switch Block, (for fleets of 1 to 10)	
	4360267	1	Contact, Switch Block, (for fleets of 10 to 20)	
	4360267	1	Contact, Switch Block, (for fleets of 20 or more)	
	4360475	1	Switch, Push/Pull, (for fleets of 1 to 10)	
	4360475	1	Switch, Push/Pull, (for fleets of 10 to 20)	
	4360475	1	Switch, Push/Pull, (for fleets of 20 or more)	
	4360328	1	Switch, Toggle, (for fleets of 1 to 10)	
	4360328	1	Switch, Toggle, (for fleets of 10 to 20)	
	4360328	1	Switch, Toggle, (for fleets of 20 or more)	
	1600301	1	Controller, PQ, (for fleets of 1 to 10)	
	1600301	1	Controller, PQ, (for fleets of 10 to 20)	
	1600301	1	Controller, PQ, (for fleets of 20 or more)	
	4360445	1	Potentiometer, (for fleets of 1 to 10)	
	4360445	1	Potentiometer, (for fleets of 10 to 20)	
	4360445	1	Potentiometer, (for fleets of 20 or more)	
	4360475	1	Switch, (for fleets of 1 to 10)	
	4360475	1	Switch, (for fleets of 10 to 20)	
	4360475	1	Switch, (for fleets of 20 or more)	
	4360112	1	Breaker, Circuit, (for fleets of 1 to 10)	
	4360112	1	Breaker, Circuit, (for fleets of 10 to 20)	
	4360112	1	Breaker, Circuit, (for fleets of 20 or more)	
	3990010	2	Diode, (for fleets of 1 to 10)	
	3990010	2	Diode, (for fleets of 10 to 20)	
	3990010	2	Diode, (for fleets of 20 or more)	
	3990001	2	Diode, (for fleets of 1 to 10)	
	3990001	2	Diode, (for fleets of 10 to 20)	
	3990001	2	Diode, (for fleets of 20 or more)	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-2. MODELS 3369/3969 ELECTRICAL SCISSOR VARIABLE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	Ref	Note: 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.	
		Ref	VARIABLE PARTS	
	4360277	1	Switch, Limit (When Equipped), (for fleets of 1 to 10)	
	4360277	1	Switch, Limit (When Equipped), (for fleets of 10 to 20)	
	4360277	1	Switch, Limit (When Equipped), (for fleets of 20 or more)	
	4360313	1	Switch, Proximity (3969), (for fleets of 1 to 10)	
	4360313	1	Switch, Proximity (3969), (for fleets of 10 to 20)	
	4360313	1	Switch, Proximity (3969), (for fleets of 20 or more)	

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	
	0256789	Ref	Camera Mount Assembly	
	1702788	Ref	Decal - Biodegradable Oil	
	0255537	Ref	Decal Installation - UL	
	0270953	Ref	Decal Installation - United Rentals	
		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	
	0258701	Ref	110Volt Inverter Installation	
	0259446	Ref	Nameplate - CSA	
	0255241	Ref	Overload Protection Installation - Japanese Machines (Located at Lift Cylinder) (Prior to SN 75625)	
	0270411	Ref	Overload Protection Installation - Japanese Machines (Located at Lift Cylinder) (SN 75625 to Present)	
	0252529	Ref	Overload By-Pass Limit Switch Installation - Japanese Machines (Located on Frame at Arms)	
	0257049	Ref	Pipe Rack Installation	
	0270333	Ref	Platform Bumper Padding	
	2901815	Ref	Kit, Tie Straps	
		Ref	Technical Publication Supplements	
	3120348	1	Mac Battery Charger Supplement (USA/Canada)	
	3120385	1	Mac Battery Charger Supplement (Latin America/English Language)	
	3122012	1	Mac Battery Charger Supplement (Latin America/Spanish Language)	
	3122013	1	Mac Battery Charger Parts Supplement (Latin America)	
	3122007	1	Mac Battery Charger Supplement (Japanese/English Language)	
	3120367	1	Mac Battery Charger Supplement (Japanese/Japanese Language)	
	3120351	1	PQ Controller Supplement	
	3120322	1	Spec Data Handbook	
		Ref	Tools For Service:	
	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/s/Sockets for Deutsch Connectors)	
	4460510	1	Extractor - 12-14 Gauge (For Removal of Pin/s/Sockets for Deutsch Connectors)	
	7002822	1	Screwdriver, Potentiometer (To Adjust Drive Controller)	
	7016654	1	Screwdriver, Magnetic	
	7004275	1	Seal Installation Tool - 1in	
	7004276	1	Seal Installation Tool - 1 1/2in	

SECTION 10 - SPECIAL OPTIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	7002826	1	Seal Installation Tool - 2in	
	7002820	1	Arbor Kit (For Installation of Garmax and Excelite Bushing)	
	2900832	1	Calibrator Kit	

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