



Illustrated Parts Manual

Models

10VP

15VP

20VP

3120729

April 29, 2011

ANSI



An Oshkosh Corporation Company

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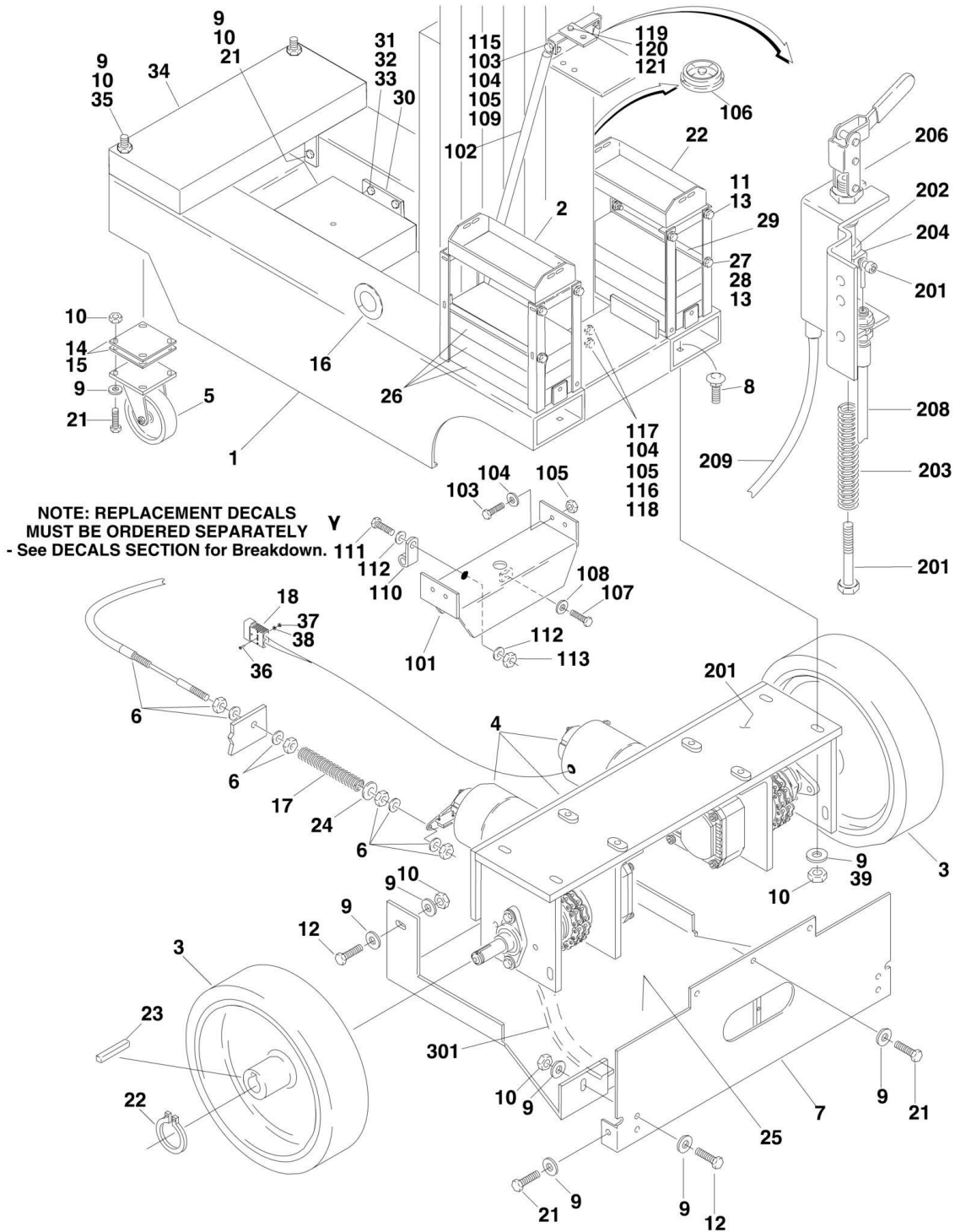
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SECTION 1 - BASE

SECTION 1 - BASE

FIGURE 1-1. BASE ASSEMBLY



**NOTE: REPLACEMENT DECALS
MUST BE ORDERED SEPARATELY**
- See DECALS SECTION for Breakdown.

SECTION 1 - BASE

FIGURE 1-1. BASE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	BASE ASSEMBLY OPTIONS:	
	0257230	Ref	Base Assembly 10VP (Standard and CSA Machines)	8
	0257229	Ref	Base Assembly 15VP (Standard Machines)	8
	0257237	Ref	Base Assembly 15VP (CSA Machines)	8
	0257228	Ref	Base Assembly 20VP (Standard Machines)	8
	0257239	Ref	Base Assembly 20VP (CSA Machines) (Prior to SN 02348)	4
	0258693	Ref	Base Assembly 20VP (CSA Machines) (SN 02348 to Present)	4-B
1		Ref	Base Weldment Options:	
1	4845561	1	Base Weldment (Prior to SN 02369)	
1	4845877	1	Base Weldment (SN 02369 to Present)	
2		Ref	Battery Box Weldment Options:	
2	4845258	1	Battery Box Weldment (Prior to SN 02369)	
2	4845875	1	Battery Box Weldment (SN 02369 through 03094)	
3	4860175	2	Wheel, Rear Assembly	
3	7019659	2	Steel Insert (1 Per Assembly)	
4		Ref	Drive Assembly - Rear (See REAR DRIVE ASSEMBLY for Breakdown) Options:	
4	0257241	1	Drive Assembly - Rear (Prior to SN 02363)	
4	0258718	1	Drive Assembly - Rear (SN 02363 to Present)	
5	4860177	2	Wheel, Caster Assembly	
5	7019660	2	Axle 1/2in x 3 1/4in (1 Per Assembly)	
5	7019661	2	Wheel, Replacement (1 Per Assembly)	
5	7019662	2	Caster without Wheel (1 Per Assembly)	
5	7019663	2	Bearing, Wheel (1 Per Assembly)	
6	1060658	1	Cable, Brake Assembly (See Items for 201-211 Breakdown)	
7	4845474	1	Rear Plate Weldment	
8	0630446	4	Bolt 3/8in-16NC x 1in (Carriage)	
9	4751600	AR	Flatwasher 3/8in Wide	
10	3311605	16	Locknut 3/8in-16NC	
11		Ref	Bolt Options:	
11	0641406	AR	Bolt 1/4in-20NC x 3/4 (Prior to SN 02369)	
11	0641508	AR	Bolt 5/16in-18NC x 1 (SN 02369 through 03094)	
12	0641609	12	Bolt 3/8in-16NC x 1 1/8in	
13		Ref	Flatwasher Options:	
13	4751400	AR	Flatwasher 1/4in Wide (Prior to SN 02369)	
13	4751500	AR	Flatwasher 5/16in Wide (SN 02369 through 03094)	
14	3539659	1	Plate, Spacer 1/8in	
15	3539660	1	Plate, Spacer 5/64in	
16	2820086	4 in/10cm	Loom, Wire	
17	4160164	2	Spring, Compression	
18	4460648	2	Connector, Terminal	
19	3020017	AR	Grease, Multi-Purpose (Not Shown)	
20	0100011	AR	Compound, Locking (Not Shown)	
21	0641608	5	Bolt 3/8in-16NC x 1in	
22		Ref	Options:	
22	3760393	2	Ring, Retainer (Prior to SN 02363)	
22	4845878	1	Battery Box Cover - Right (SN 02369 through 03094)	
23		Ref	Options:	
23	2860026	2	Key, Wheel (Prior to SN 02363)	
23	3311505	6	Locking Nut 5/16in-18NC (SN 02369 through 03094)	

SECTION 1 - BASE

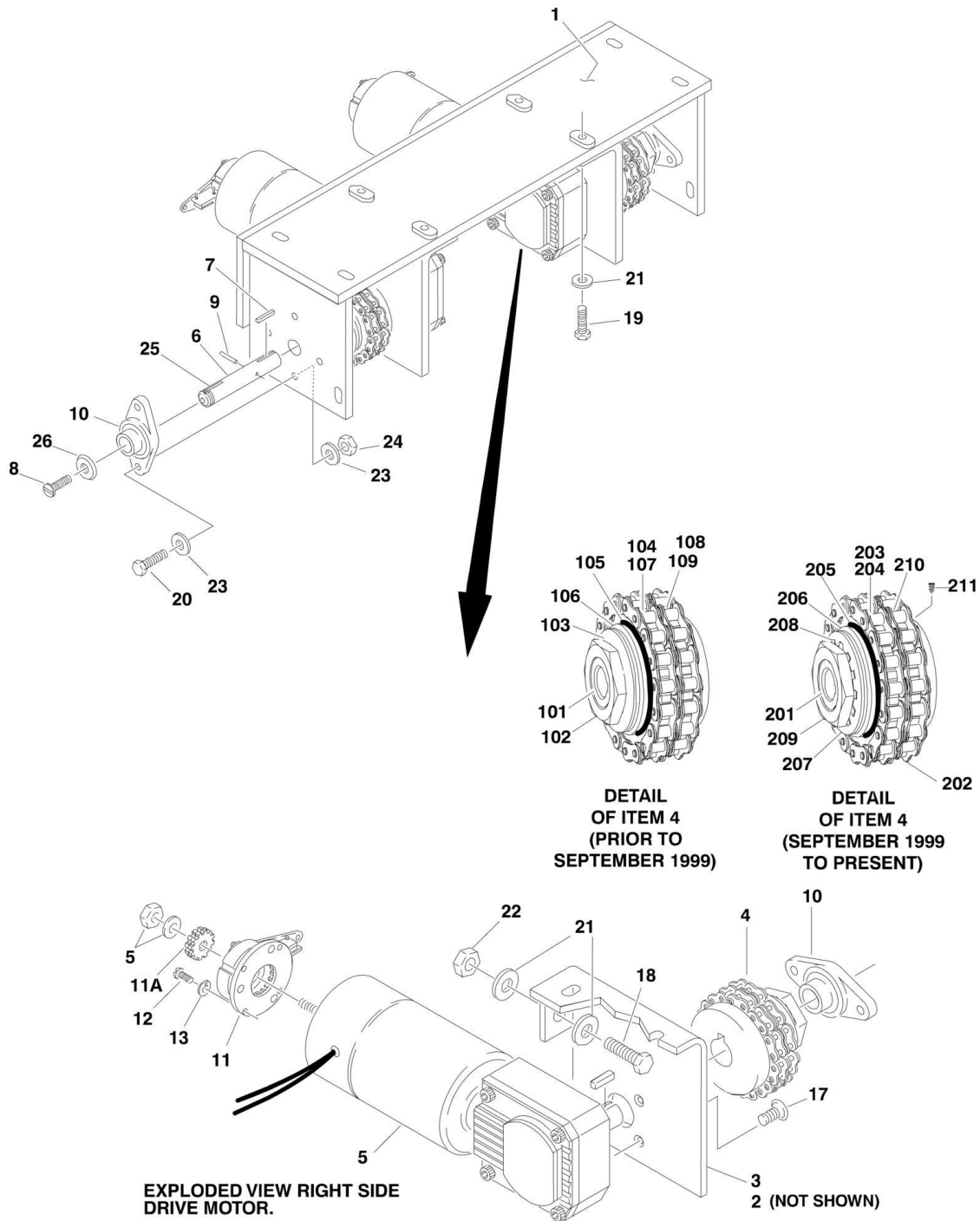
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
24		Ref	Options:	
24	4751000	2	Flatwasher #10 Wide (Prior to SN 01703)	
24	4740430	2	Flatwasher, Fender (SN 01703 to Present)	
25	3570172	1	Cover, Motor	
26		Ref	Counterweight Weldment Options:	
26	Not Required	0	Counterweight Weldment 10VP	
26	4845260	2	Counterweight Weldment 15VP (Prior to SN 02369)	
26	4845879	2	Counterweight Weldment 15VP (SN 02369 to Present)	
26	4845261	2	Counterweight Weldment 20VP (Prior to SN 02369)	
26	4845876	2	Counterweight Weldment 20VP (SN 02369 to Present)	
27	0641408	AR	Bolt 1/4in-20NC x 1in (Prior to SN 02369)	
28	3311405	AR	Locknut 1/4in-20NC (Prior to SN 02369)	
29		Ref	Counterweight Bracket Options:	
29	Not Required	0	Counterweight Bracket 10VP & 20VP	
29	0902256	2	Counterweight Bracket 15VP (Standard Machines)	
29	0902256	1	Counterweight Bracket 15VP (CSA Machines) (Prior to SN 02369)	
29	Not Required	0	Counterweight Bracket 15VP (CSA Machines) (SN 02369 to Present)	
30		Ref	Counterweight Weldment Options:	
30	Not Required	0	Counterweight Weldment 10VP & 15VP	
30	4845291	1	Counterweight Weldment 20VP	
31	0641810	AR	Bolt 1/2in-13NC x 1 1/4in	
32	3311805	AR	Locknut 1/2in-13NC	
33	4751800	AR	Flatwasher 1/2in	
34		Ref	Counterweight Bracket Options:	
34	Not Required	0	Counterweight Bracket 10VP, 15VP & 20VP (Standard Machines)	
34	Not Required	0	Counterweight Bracket 10VP & 20VP (CSA Machines)	
34	4845401	1	Counterweight Bracket 15VP (CSA Machines)	
35	0630512	AR	Bolt, Carriage	
36	3910620	4	Screw #6-32NC x (SN 03094 to Present)	
37	3310601	8	Nut #6-32NC (SN 03094 to Present)	
38	4750600	4	Flatwasher #6 (SN 03094 to Present)	
39	4711600	8	Flatwasher 3/8in (Standard Machines) (SN 03609 to Present)	
		Ref	MAST SUPPORT INSTALLATION OPTIONS:	
	0256197	Ref	STANDARD MACHINES (Prior to SN 02289)	4-C
	0258582	Ref	STANDARD MACHINES (SN 02289 to Present)	1-A
	0256793	Ref	CSA MACHINES (Prior to SN 02289)	3-C
	0258583	Ref	CSA MACHINES (SN 02289 to Present)	2-B
101		Ref	Channel, Lift Cylinder Mounting Options:	
101	4845478	1	Channel, Lift Cylinder Mounting (Prior to SN 02289)	
101	4845804	1	Channel, Lift Cylinder Mounting (SN 02289 to Present)	
102		Ref	Brace, Mast Options:	
102	0880124	2	Standard Machines	
102	0880125	2	CSA Machines	
103	0641609	AR	Bolt 3/8in-16NC x 1 1/8in	
104	4751600	24	Flatwasher 3/8in Wide	
105	3311605	12	Locknut 3/8in-16NC	
106	2420140	1	Gauge, Level	
107	0641505	1	Bolt 5/16in-18NC x 5/8in	
108	4711500	1	Flatwasher 5/16in Narrow	

SECTION 1 - BASE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
109	0641612	1	Bolt 3/8in-16NC x 1 1/2in	
110	1320041	1	Clamp	
111	0641404	1	Bolt 1/4in-20NC x 1/2in	
112	4711400	2	Flatwasher 1/4in Narrow	
113	3311401	1	Nut 1/4in-20NC	
114	0100011	AR	Compound, Locking (Not Shown)	
115		Ref	Shim - .03 Options:	
115	Not Required	0	Standard Machines	
115	4700952	1	CSA Machines	
116		Ref	Shim - .03 Options:	
116	Not Required	0	Standard Machines	
116	4700953	2	CSA Machines	
117	0641612	2	Bolt 3/8in-16NC x 1 1/2in	
118		Ref	Shim - .06 Options:	
118	Not Required	0	Standard Machines	
118	4700954	6	CSA Machines	
119		Ref	Plate, Hood Mount Options:	
119	Not Required	0	Standard Machines	
119	3570094	1	CSA Machines	
120		Ref	Flatwasher 1/4in Options:	
120	Not Required	0	Standard Machines	
120	4751400	1	CSA Machines	
121		Ref	Bolt 1/4in-20NC x 3/4in Options:	
121	Not Required	0	Standard Machines	
121	0641406	1	CSA Machines	
	1060658	Ref	BRAKE CABLE ASSEMBLY	3-C
201	0641528	1	Bolt 5/16in-18NC x 3 1/2in	
202	3311501	1	Nut 5/16in-18NC	
203	4160166	1	Spring, Compression	
204	0561284	1	Bar, Aluminum	
205	3900248	2	Bolt 1/4in-20NC x 1/4in	
206	2560150	1	Handle, Brake Cable	
207	3570382	1	Bracket, Brake Cable	
208	1060661	1	Cable, Brake	
209	1060662	1	Cable, Brake	
210	0100019	AR	Compound, Locking (Not Shown)	
211	0100035	AR	Compound, Locking (Not Shown)	
	0270352	Ref	STATIC STRAP INSTALLATION	1-A
301	0641608	1	Bolt 3/8in-16NC x 1in	
301	3311605	1	Locknut 3/8in-16NC	
301	4751600	2	Flatwasher 3/8in	
301	4240084	1	Strap, Static	

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FIGURE 1-2. REAR DRIVE ASSEMBLY



SECTION 1 - BASE

FIGURE 1-2. REAR DRIVE ASSEMBLY

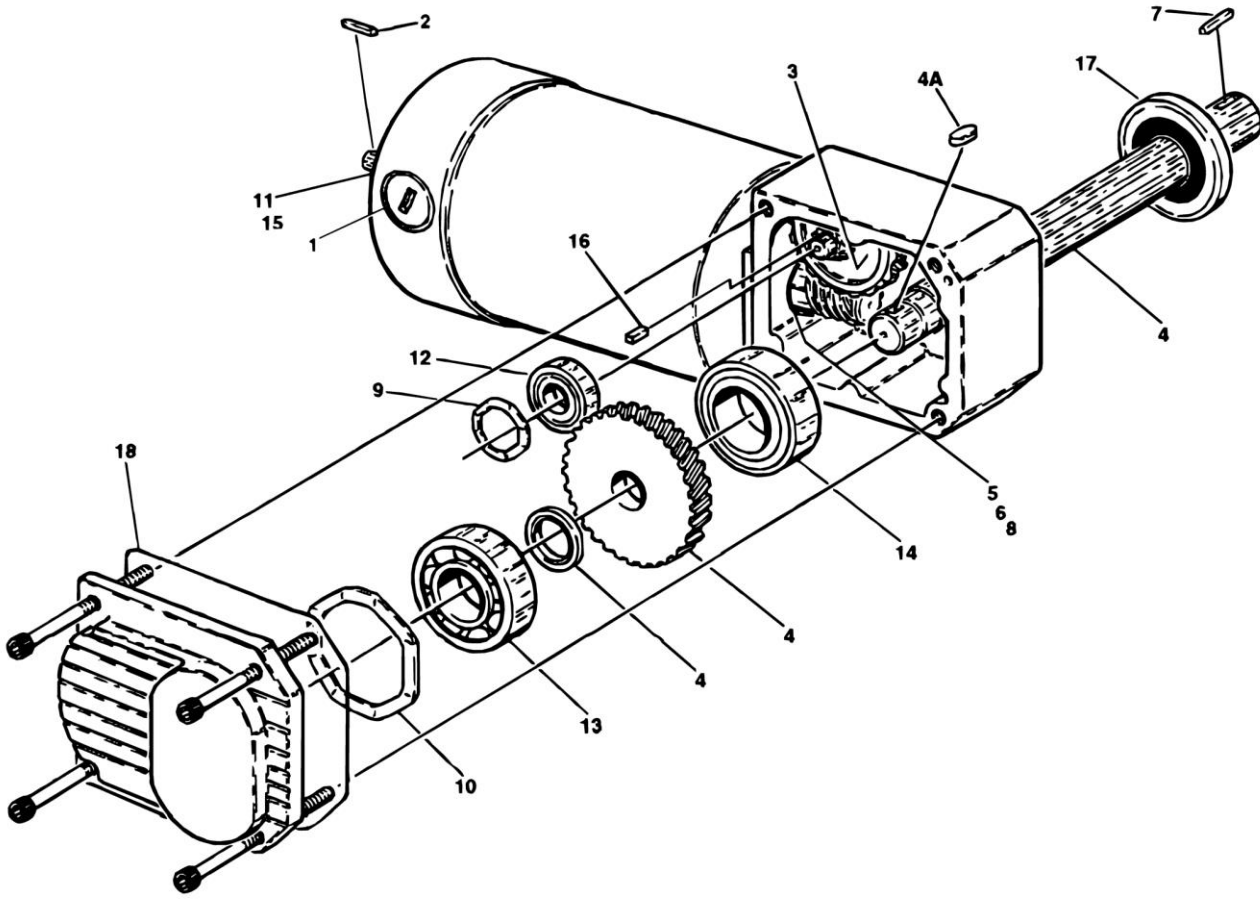
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	REAR DRIVE ASSEMBLY OPTIONS:	
	0257241	Ref	Rear Drive Assembly (Prior to SN 02363)	3-C
	0258718	Ref	Rear Drive Assembly (SN 02363 to Present)	1-B
1	4845473	1	Weldment, Drive	
2	3570168	1	Plate, Motor Mount (Left)	
3	3570169	1	Plate, Motor Mount (Right)	
4	1400126	2	Clutch, Torque Limiting Options:	
4		Ref	Dalton Brand Clutch, Torque Limiting (See Items 101-109 for Breakdown) (Prior to September 1999)	
4		Ref	EPT Brand Clutch, Torque Limiting (See Items 201-211 for Breakdown) (September 1999 to Present)	
5		Ref	Wheel Drive Motor Assembly (See WHEEL DRIVE MOTOR ASSEMBLY for Breakdown) Options:	
5	3160217	2	Wheel Drive Motor Assembly (Prior to SN 02363)	
5	3160234	2	Wheel Drive Motor Assembly (SN 02363 to Present)	
6		Ref	Shaft, Drive Options:	
6	4040259	2	Shaft, Drive (Prior to SN 02363)	
6	4040268	2	Shaft, Drive (SN 02363 to Present)	
7	2860027	2	Key, Clutch	
8	0741609	2	Bolt 3/8in-16NC x 1 1/8in	
9	3440520	2	Pin, Roll	
10	0440221	4	Bearing, Flange	
11	0256851	2	Brake Assembly	
11	7014117	2	Switch, Micro (1 Per Assembly)	
11	7014118	2	Disc, Friction (1 Per Assembly)	
11A	7014119	2	Gear (1 Per Assembly)	
11A	7014120	4	Setscrew (2 Per Assembly)	
12	3930808	8	Bolt #8-32NC x 1/2in	
13	4750800	8	Flatwasher #8	
14	0100035	AR	Compound, Locking (Not Shown)	
15	0100011	AR	Compound, Locking (Not Shown)	
16	0100019	AR	Compound, Locking (Not Shown)	
17	3900221	6	Bolt 5/16in-18NC x 3/4in	
18	0641610	2	Bolt 3/8in-16NC x 1 1/4in	
19	0641609	4	Bolt 3/8in-16NC x 1 1/8in	
20	0641711	8	Bolt 7/16in-14NC x 1 3/8in	
21	4751600	8	Flatwasher 3/8in	
22	3311605	2	Locknut 3/8in-16NC	
23	4711700	16	Flatwasher 7/16in	
24	3311705	8	Locknut 7/16in-14NC	
25	2860029	2	Key, Wheel	
26	4740478	2	Washer, Wheel Retainer	
	1400126	Ref	TORQUE LIMITER CLUTCH ASSEMBLY (DALTON BRAND) (PRIOR TO SEPTEMBER 1999)	A
101	7016689	1	Hub	
102	7016683	1	Nut, Adjusting	
103	7016684	1	Spring	
104	7016685	1	Bearing	
105	7016691	2	Facing, Friction	
106	7016690	1	Plate, Pressure	

SECTION 1 - BASE

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	7016686	1	Sprocket	
108	7016687	1	Coupling, Chain	
109	7016688	1	Sprocket	
	1400126	Ref	TORQUE LIMITER CLUTCH ASSEMBLY (EPT BRAND) (SEPTEMBER 1999 TO PRESENT)	C
201	7023351	1	Hub	
202	7023352	1	Chain	
203	7023353	1	Sprocket	
204	7023354	1	Bushing	
205	7023355	2	Facing, Friction	
206	7023356	1	Plate, Pressure	
207	7023357	3	Disc, Spring	
208	7023358	1	Lockwasher, Tabbed	
209	7023359	1	Nut, Adjusting	
210	7023360	1	Sprocket	
211	7023361	1	Setscrew	

SECTION 1 - BASE

FIGURE 1-3. WHEEL DRIVE MOTOR ASSEMBLY



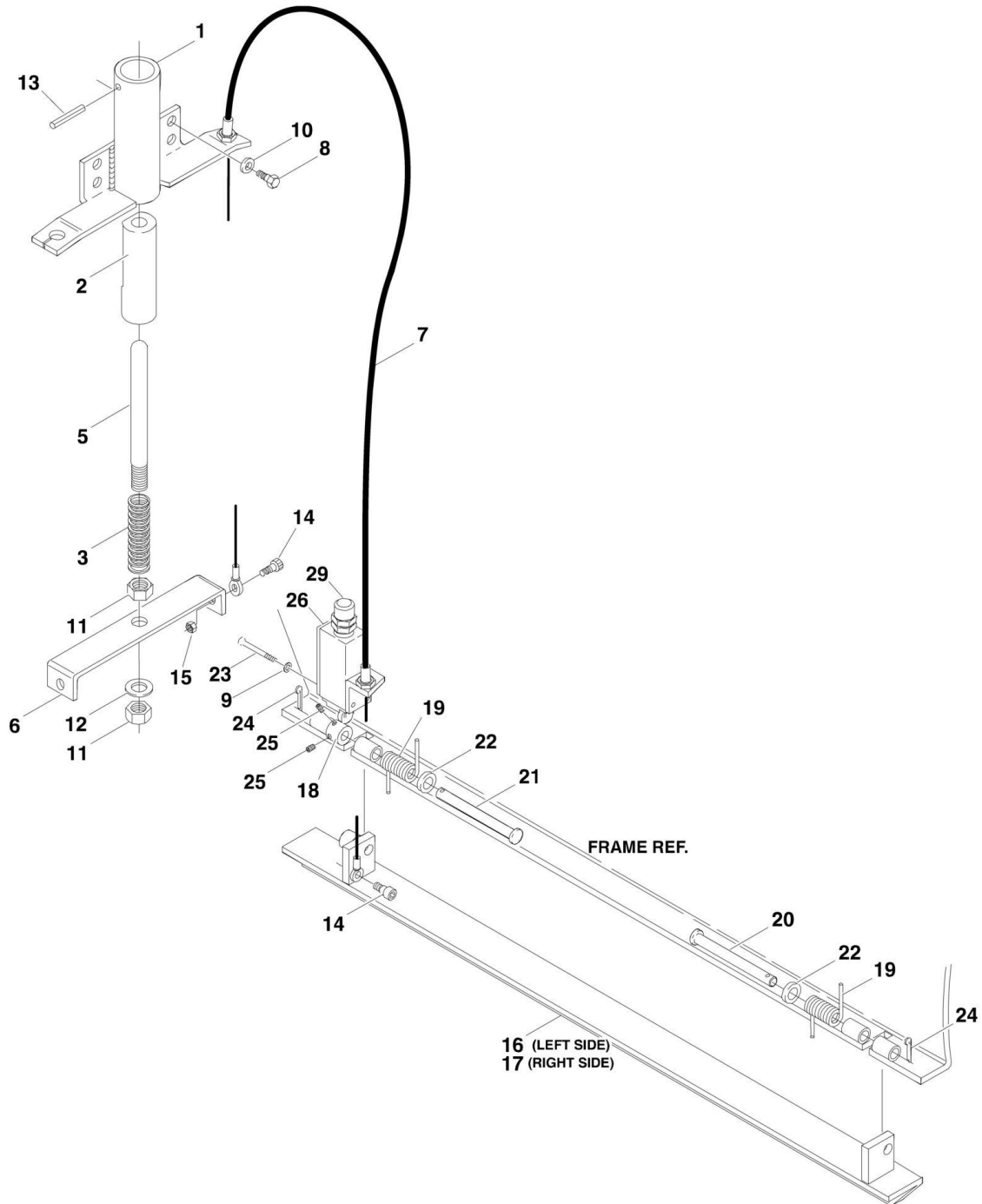
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FIGURE 1-3. WHEEL DRIVE MOTOR ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DRIVE MOTOR ASSEMBLY OPTIONS:	
	3160217	Ref	Drive Motor Assembly (Prior to SN 02363)	D
	3160234	Ref	Drive Motor Assembly (SN 02363 to Present)	C
1	7018000	1	Brush Kit	
1	7018044	1	Holder, Brush	
2	7018001	1	Key, Shaft	
3	7018002	1	Gear and Pinion Assembly	
4	7018019	1	Gear and Drive Shaft	
4A	7018007	1	Key, Shaft	
5	7018018	1	Seal, Lip	
6	7018005	1	Ring, Retaining	
7	2860028	1	Shaft, Key	
8	7018008	2	Bearing	
9	7018009	1	Washer, Wave	
10	7018010	1	Washer, Wave	
11	7018011	1	Washer, Wave	
12	7018012	2	Bearing 32mm x 12mm x 10mm	
13	7018013	1	Bearing 47mm x 20mm x 14mm	
14	7018014	1	Bearing 47mm x 25mm x 12mm	
15	7018027	1	Bearing	
16	7018015	1	Shaft, Key	
17	7018026	1	Seal, Lip	
18		Ref	O-Ring Options:	
18	Not Required	0	O-Ring (Prior to SN 02363)	
18	7018028	1	O-Ring (SN 02363 to Present)	

SECTION 1 - BASE

FIGURE 1-4. JLG POTHOLE PROTECTION INSTALLATION



SECTION 1 - BASE

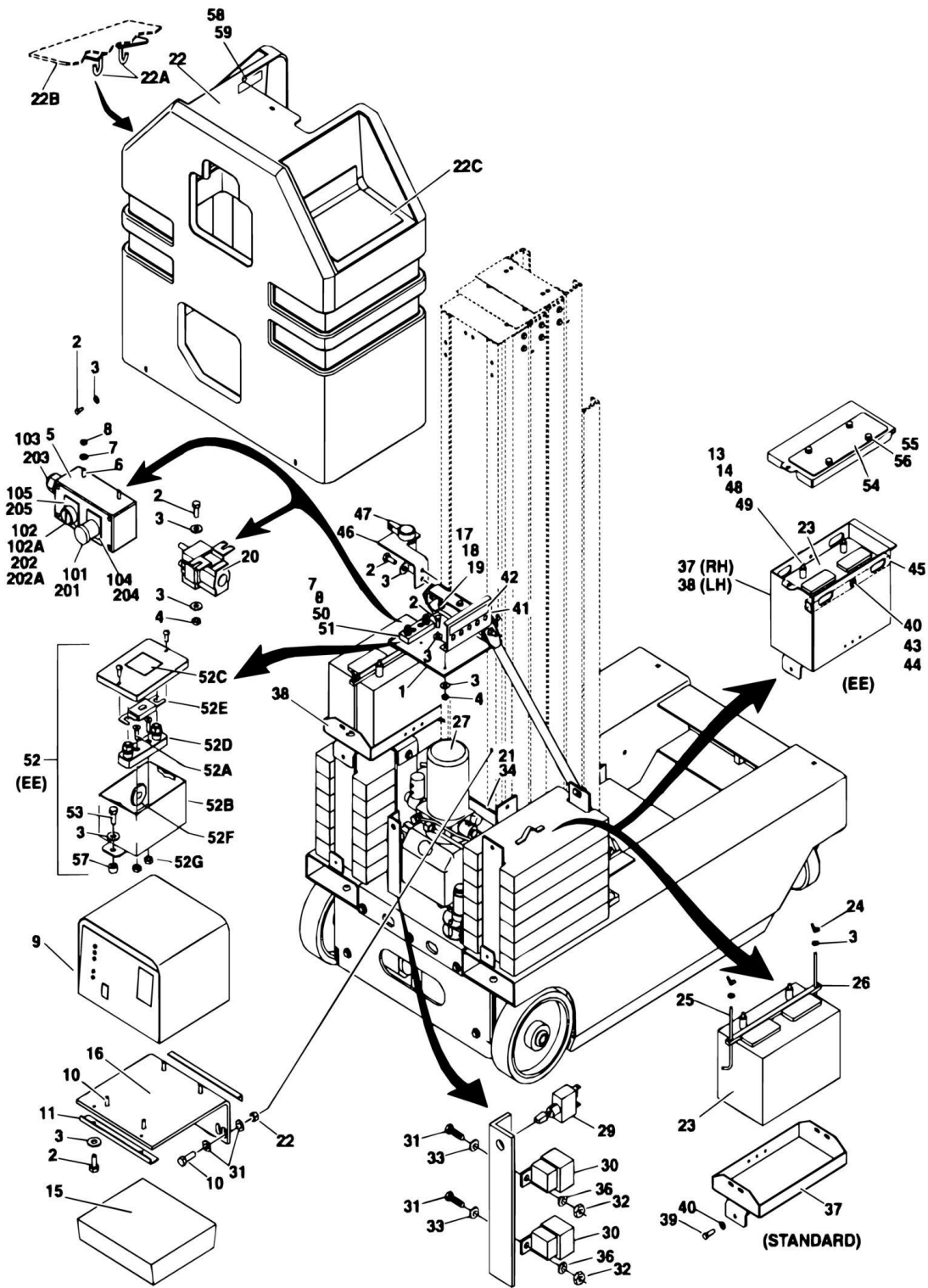
FIGURE 1-4. JLG POTHOLE PROTECTION INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257490	Ref	JLG POTHOLE PROTECTION INSTALLATION	2-B
1	4845507	1	Actuator Weldment	
2	4567203	1	Tube, Sleeve	
3	4160160	1	Spring, Compression	
4	3020022	AR	Grease, Lithium (with PTFE) (Not Shown)	
5	3841343	1	Rod, Actuator	
6	3570230	1	Plate, Cable Attach	
7	1060649	2	Cable	
8	0641405	4	Bolt 1/4in-20NC x 5/8in	
9	4750600	4	Flatwasher #6	
10	4711400	4	Flatwasher 1/4in Narrow	
11	3312002	2	Nut, Jam 5/8in-11NC	
12	4712000	1	Flatwasher 5/8in Narrow	
13	3440418	1	Rollpin 1/8in 1 1/8in	
14	3900202	4	Screw, Shoulder 1/4in-20NC x 1/4in	
15	3311005	2	Locknut #10-24NC	
16	4845508	1	Bar, Pothole (Left Side)	
17	4845509	1	Bar, Pothole (Right Side)	
18	1100103	2	Cam	
19	4160162	4	Spring, Torsion	
20	3430630	2	Pin, Clevis 3/8in x 3 3/4in	
21	3430638	2	Pin, Clevis 3/8in x 4 3/4in	
22	4751600	4	Flatwasher 3/8in	
23	3910620	4	Screw #6-32NC x 1 1/4in	
24	3450403	4	Pin, Cotter 1/8in x 3/4in	
25	3900249	4	Setscrew #10-32NC x 3/16in	
26	4360456	2	Switch, Limit	
27	0100035	AR	Compound, Locking (Not Shown)	
28	0100011	AR	Compound, Locking (Not Shown)	
29	4460662	2	Connector, Strain Relief	

SECTION 2 - CONTROLS

SECTION 2 - CONTROLS

FIGURE 2-1. GROUND CONTROL/POWER PACK INSTALLATIONS



SECTION 2 - CONTROLS

FIGURE 2-1. GROUND CONTROL/POWER PACK INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	GROUND CONTROL/POWER PACK INSTALLATIONS	
	0256143	Ref	Machines With Wet Batteries	15
	0258008	Ref	Machines With Dry Batteries	7
	0256928	Ref	CSA Spec Machines (Additional Components)	
	0270167	Ref	(EE) Spec Machines (SN 03094 to Present)	5
1		Ref	Bracket, Ground Controls Options:	
1	0902248	1	Bracket, Ground Controls (Standard) (Prior to SN 03094)	
1	0902643	1	Bracket, Ground Controls (Standard) (SN 03094 to Present)	
1	0902649	1	Bracket, Ground Controls (EE) (SN 03094 to Present)	
1	3570094	1	Plate, Hood Mounting (CSA Only) (Not Shown - Located on Top of Item #1)	
2	0641406	9	Bolt 1/4in-20NC x 3/4in	
3	4751400	19	Flatwasher 1/4in Wide	
4	3311405	2	Locknut 1/4in-20NC	
5		Ref	Ground Control Assembly (See Items 101-105 For Breakdown) Options:	
5	0861039	1	Ground Control Assembly (Prior to SN 02862)	
5	0861291	1	Ground Control Assembly (SN 02862 through 03093)	
5	0861355	1	Ground Control Assembly (SN 03094 through 03904)	
5	0861291	1	Ground Control Assembly (SN 03905 to Present)	
6		Ref	Screw, Machine Options:	
6	3910812	4	Screw, Machine - #8-32NC x 3/4in (Prior to SN 03094)	
6	0721006	4	Screw, Machine - #10-24NC x 3/4in (SN 03094 to Present)	
7		Ref	Flatwasher Options:	
7	4750800	AR	Flatwasher #8 (Prior to SN 03094)	
7	4751000	AR	Flatwasher #10 (SN 03094 to Present)	
8		Ref	Locknut Options:	
8	3310805	AR	Locknut #8-32NC (Prior to SN 02315)	
8	3300392	AR	Locknut #8-32NC (Brass) (SN 02315 through 03093)	
8	3311005	AR	Locknut #10-24NC (SN 03094 to Present)	
10	0741407	4	Screw, Flathead 1/4in-20NC x 7/8in	
11	0181857	1	Angle, Controller Mount	
12	3311601	2	Nut 3/8in-16NC (EE Machines Only)	
13	3311501	2	Nut 5/16in-18NC (EE Machines Only)	
14	0100011	AR	Compound, Locking (Not Shown)	
15	1600238	1	Controller Assembly (Prior to SN 02996)	
15	2900868	1	Controller Configuration Kit	
15	1600305	1	Controller Assembly (SN 02996 to Present)	
15	2900868	1	Controller Configuration Kit	
16	0902250	1	Bracket, Battery Charger	
17	0641608	10	Bolt 3/8in-16NC x 1in	
18	4751600	20	Flatwasher 3/8in	
19	3311605	10	Locknut 3/8in-16NC	
20		Ref	Relay, 100Amp Options:	
20	3740120	1	Relay, 100Amp (Prior to SN 02315)	
20	3740130	1	Relay, 100Amp (SN 02315 to Present)	
21	3539565	1	Plate, Pump Mounting	
22	2680432	1	Hood	
22A	2700080	2	Hook	
22B	7023342	1	Lid	

SECTION 2 - CONTROLS

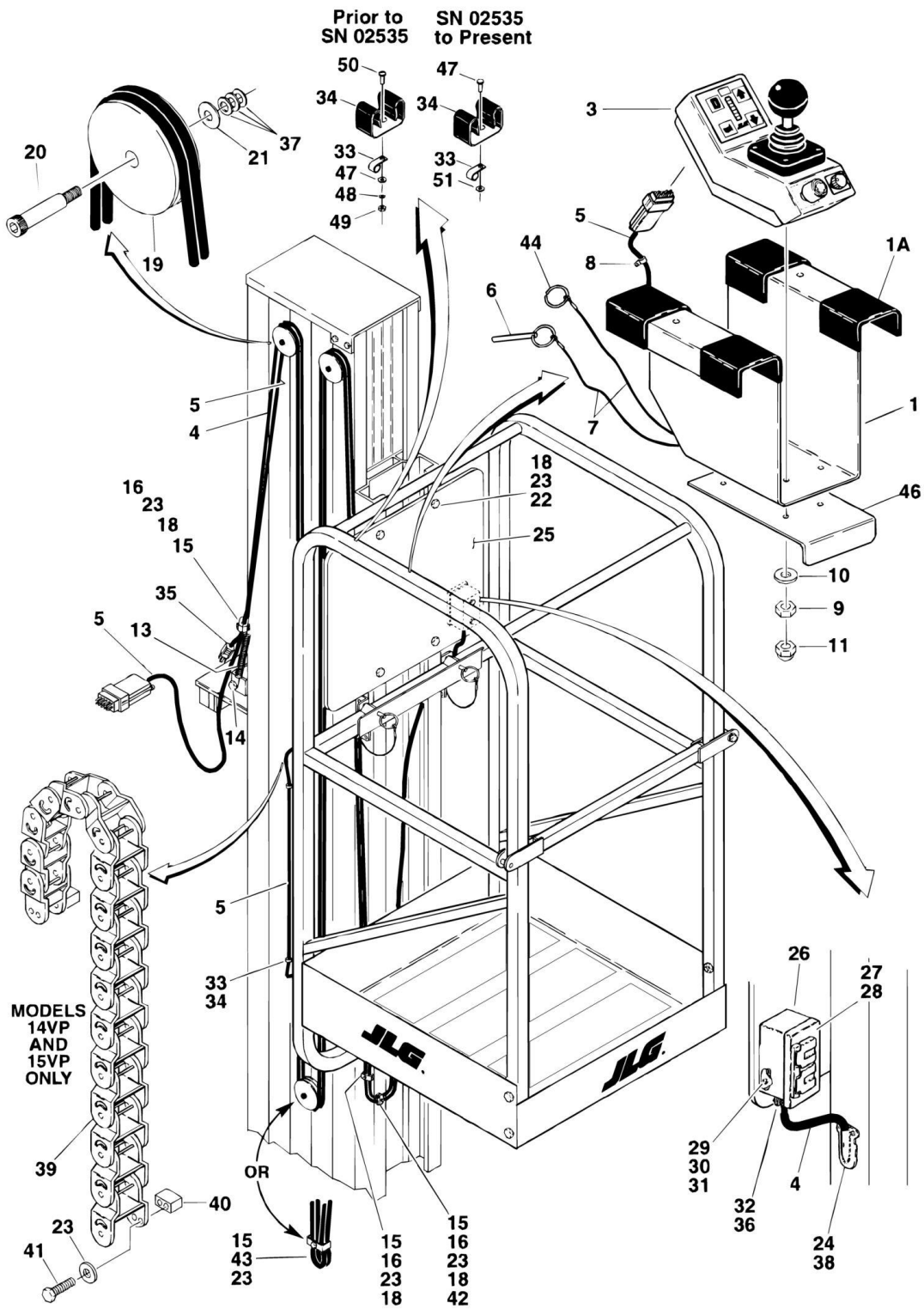
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
22C	7023341	1	Lid	
23	0400122	2	Battery (Wet)	
23	0400144	2	Battery (Dry)	
24	3300202	4	Wingnut (Not Required On (EE) Machines)	
25	0630504	4	Bolt, Battery Hold Down (Not Required On (EE) Machines)	
26	0362658	2	Bar, Battery Hold Down (Not Required On (EE) Machines)	
28	4845266	1	Bracket, Brake Release (Prior to SN 01577)	
29	4360314	1	Switch, Ground	
30	3740069	2	Relay, Power 24VDC	
31	3911010	2	Screw	
32	3311001	2	Nut #10-24NC	
33	4751000	4	Flatwasher #10 Wide	
34	0741605	2	Screw, Countersunk 3/8in-16NC x 5/8in	
35	0100051	AR	Grease Battery (Not Shown)	
36	4761000	2	Lockwasher #10	
37		Ref	Battery Box - Right Options:	
37	4845875	1	Standard Machines (SN 03094 to Present)	
37	0270299	1	(EE) Machines (SN 03094 to Present)	
37	3572654	1	(EE) Machines (Battery Box Lid)	
38		Ref	Battery Box - Left Options:	
38	4845878	1	Standard Machines (SN 03094 to Present)	
38	0270298	1	(EE) Machines (SN 03094 to Present)	
38	3572653	1	(EE) Machines (Battery Box Lid)	
39	0641508	6	Bolt 5/16-18NC x 1in	
40	4751500	6	Flatwasher 5/16in	
41	3380453	1	Panel, Breaker (EE Machines Only)	
42	1704584	1	Decal - Breaker Panel (EE Machines Only)	
43	0641512	2	Bolt 5/16in-18NC x 1 1/2in	
44	3311505	2	Locknut 5/16in-18NC	
45	4568103	2	Bar, Battery Hold Down (EE Machines Only)	
46	0902657	1	Bracket, Battery Disconnect (EE Machines Only)	
47	4360256	1	Switch, Master Disconnect (EE Machines Only)	
48	4761500	2	Lockwasher 5/16in	
49	4761600	2	Lockwasher 3/8in	
50	2400044	1	Fuse Mounting Block (EE Machines Only) (Prior to SN 03682)	
51	0741008	2	Flathead Screw #10-24NC x 1in (EE Machines Only) (Prior to SN 03682)	
52	0861381	1	Fuse Box Assembly (EE Machines Only) (SN 03682 to Present)	B
52A	0741006	2	Screw #10-24NC x 3/4in	
52B	0861380	1	Box, Fuse (EE)	
52C	1704713	1	Decal - Fuse	
52D	2400044	1	Fuse Mounting Block	
52E	2400045	1	Fuse, 80Amp	
52F	2540040	2	Grommet, Rubber	
52G	3311005	2	Locknut #10-24NC	
53	0641408	2	Bolt 1/4in-20NC x 1in (EE Machines Only) (SN 03682 to Present)	
54	3572651	2	Plate, Battery Access (EE Machines Only) (SN 03682 to Present)	
55	1380138	8	Clip, Receptial (EE Machines Only) (SN 03682 to Present)	
56	3900174	8	Screw (EE Machines Only) (SN 03682 to Present)	
57	0962346	2	Bushing, Spacer (EE Machines Only) (SN 03682 to Present)	

SECTION 2 - CONTROLS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
58	1704679		Decal - Battery Disconnect (EE Machines Only) (SN 03887 to Present)	
59	3820006	4	Pop Rivet (EE Machines Only) (SN 03887 to Present)	
	0861039	Ref	GROUND CONTROL ASSEMBLY (Prior to SN 02862)	A
101	7017701	1	Switch, Push-Turn to Reset (Emergency Stop)	
101	7017703	2	Block, Contact - N.C.	
101	7017715	1	Button - Red	
102	7017700	1	Switch - Key (Lift)	
102	7017702	2	Block, Contact - N.C.	
102A	7017704	1 set	Key, Replacement	
103		Ref	Strain Relief Connector Options:	
103	7012637	1	Connector, Strain Relief (CG16)	
103	7017713	1	Connector, Strain Relief (CG20)	
104	7017706	1	Nameplate - Emergency Stop	
105	7017705	1	Nameplate - Select	
	0861291	Ref	GROUND CONTROL ASSEMBLY (SN 02862 through 03093)	A
	0861355	Ref	GROUND CONTROL ASSEMBLY (SN 03094 through 03904)	A
	0861291	Ref	GROUND CONTROL ASSEMBLY (SN 03905 to Present)	A
201	7020078	1	Switch, Push-Turn to Reset (Emergency Stop)	
202	4360471	1	Switch - Key (Lift)	
202A	7020174	1 set	Key, Replacement	
203	4460633	1	Strain Relief Connector	
204	7020096	1	Nameplate - Emergency Stop	
205	7020267	1	Nameplate - Select	

SECTION 2 - CONTROLS

FIGURE 2-2. PLATFORM CONTROLS AND CABLES INSTALLATIONS



SECTION 2 - CONTROLS

FIGURE 2-2. PLATFORM CONTROLS AND CABLES INSTALLATIONS

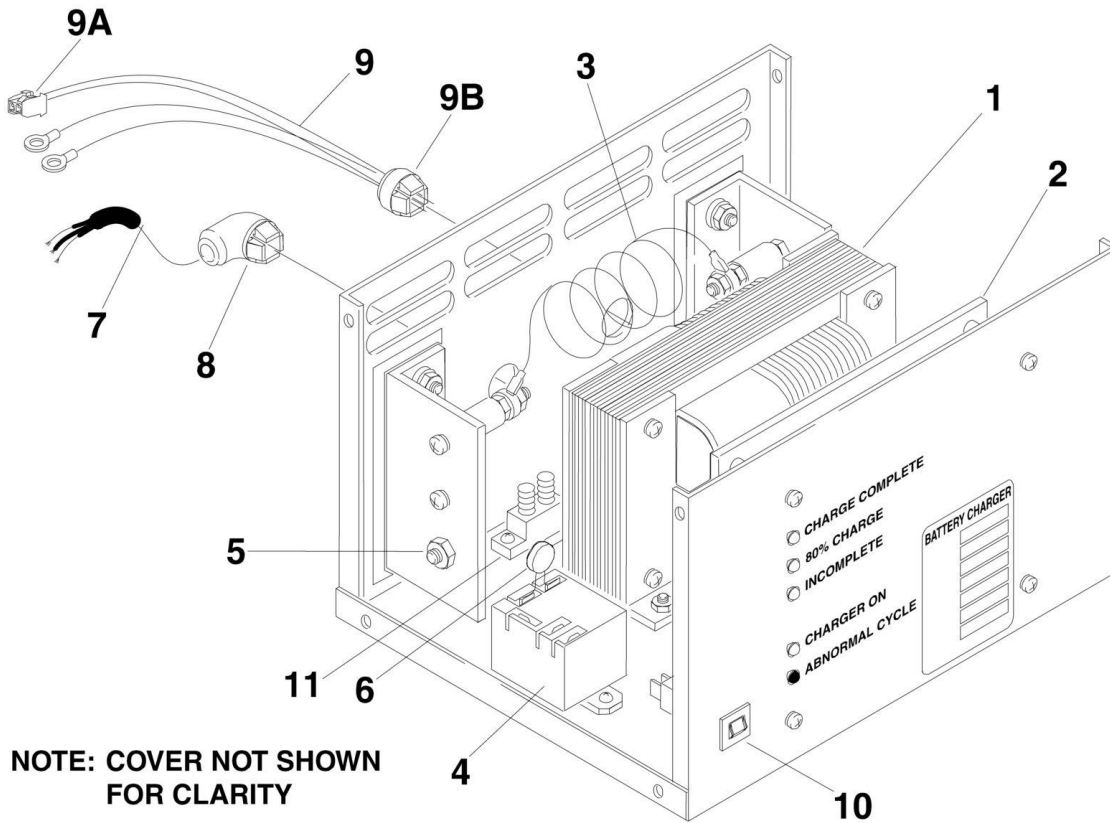
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM CONTROLS AND CABLES INSTALLATIONS	
	0257619	Ref	Platform Controls and Cables Installations 10 VP (Standard)	9
	0270166	Ref	Platform Controls and Cables Installations 10 VP (EE)	2
	0257618	Ref	Platform Controls and Cables Installations 15 VP (Standard)	9
	0270168	Ref	Platform Controls and Cables Installations 15 VP (EE)	2
	0257617	Ref	Platform Controls and Cables Installations 20 VP (Standard)	10
	0270169	Ref	Platform Controls and Cables Installations 20 VP (EE)	2
		Ref	Note: For Platform Controls and Cables (Restricted Height) (See SPECIAL OPTIONS SECTION)	
1	3570680	1	Plate, Control Mounting	
1A		Ref	Pad, Rubber Options:	
1A	7020075	2	RH Side Pad	
1A	7020076	2	LH Side Pad	
3		Ref	Platform Console Box Assembly Options (See CONTROL BOX ASSEMBLY for Breakdown):	
3	1600267	1	Console Box Assembly (Prior to SN 02996)	
3	1600304	1	Console Box Assembly (SN 02996 to Present)	
4	1060564	Ref	Cable, Electrical	
4	1060564	13.5 ft/4m	Cable, Electrical 10 VP	
4	1060564	19 ft/5.8m	Cable, Electrical 15 VP	
4	1060564	23 ft/7m	Cable, Electrical 20 VP	
5		Ref	Platform Harness Assembly Options: (See ELECTRICAL SECTION for Breakdown)	
5	4922027	1	Platform Harness Assembly 10 VP (Prior to SN 02445)	
5	4922201	1	Platform Harness Assembly 10 VP (SN 02445 to Present)	
5	4922028	1	Platform Harness Assembly 15 VP (Prior to SN 02445)	
5	4922202	1	Platform Harness Assembly 15 VP (SN 02445 to Present)	
5	4922029	1	Platform Harness Assembly 20 VP (Prior to SN 02445)	
5	4922203	1	Platform Harness Assembly 20 VP (SN 02445 to Present)	
6	3422657	1	Pin, Quick Release	
7	1060380	2	Cable, Lanyard	
8	1320043	1	Clamp, Cable	
9	3310801	AR	Nut #8-32NC	
10	4750800	AR	Flatwasher #8 Wide	
11	3300416	4	Nut, Acorn #8-32NC	
12	0100035	AR	Compound, Locking (Not Shown)	
13	4160130	1	Spring, Extension	
14	3311605	1	Locknut 3/8in-16NC	
15	1320149	3	Clamp	
16	0641412	3	Bolt 1/4in-20NC x 1 1/2in	
17	0100019	AR	Compound, Locking (Not Shown)	
18	3311405	7	Locknut 1/4in-20NC	
19	3580231	AR	Pulley, Sheave	
20	3900200	AR	Screw, Shoulder 5/16in-18NC x 1 1/4in	
21	4751500	AR	Flatwasher 5/16in Wide	
22	0641406	4	Bolt 1/4in-20NC x 3/4in	
23	4711400	AR	Flatwasher 1/4in Narrow	
24	4460566	1	Connector, Strain Relief - 90	
25	3380441	1	Panel, Control	
26	0860946	1	Box, Electrical	

SECTION 2 - CONTROLS

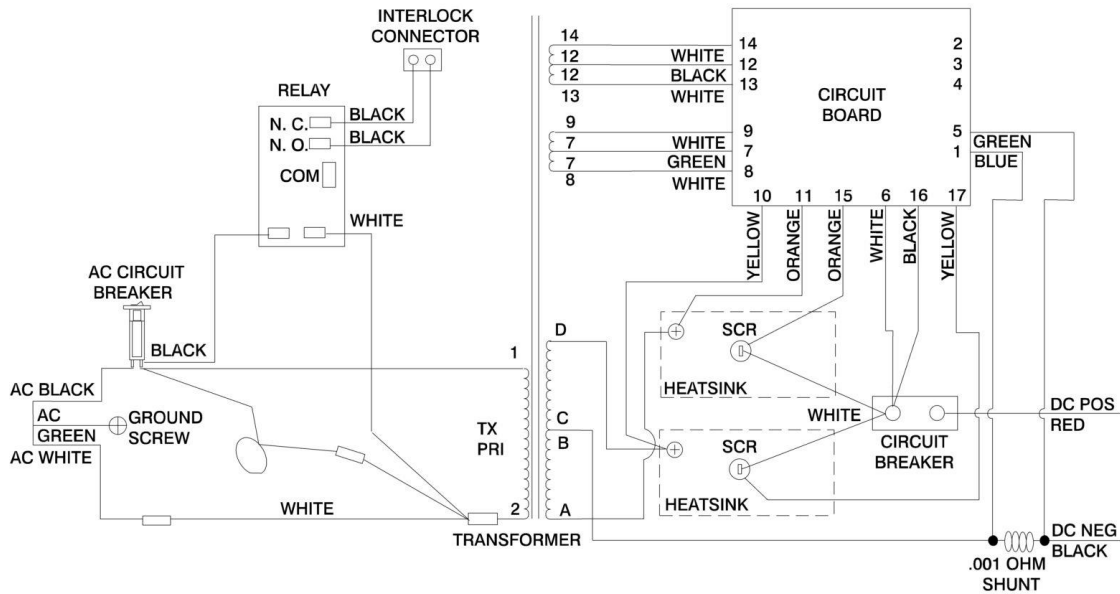
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
27		Ref	Receptacle, Electrical Options:	
27	4460190	1	Standard Machines	
27	4460347	1	(EE) Machines	
28	4060092	1	Cover, Weatherproof	
29	0721005	2	Screw, Machine #10-24NC x 5/8in	
30	4761000	2	Lockwasher #10	
31	3311001	2	Nut #10-24NC	
32	4460023	1	Connector, Strain Relief	
33		Ref	Clamp, Cable Options:	
33	1320227	7	Clamp, Cable (Prior to SN 01966)	
33	1320043	4	Clamp, Cable (SN 01966 to Present)	
34		Ref	Hardware Options:	
34	1020008	7	Button, Nylon (Prior to SN 01966)	
34	1380132	4	Clip, Gripper (SN 01966 to Present)	
35	4460549	1	Plug, Electrical	
36	0960407	1	Bushing (Prior to SN 02535)	
37	4751000	AR	Flatwasher #10 Wide	
38	3300047	1	Nut, Conduit	
39		Ref	Carrier Options:	
39	Not Required	0	Carrier 10VP & 20VP	
39	1180344	1	Carrier 15VP	
40		Ref	Plate, Spacer Options:	
40	Not Required	0	Plate, Spacer 10VP & 20VP	
40	3539617	2	Plate, Spacer 15VP	
41	0641409	AR	Bolt 1/4in-20NC x 1in	
42	0641416	AR	Bolt 1/4in-20NC x 2in	
43	0641414	AR	Bolt 1/4in-20NC x 1 3/4in	
44	3760170	1	Ring, Split	
45	0100048	AR	Compound, Silicone #661 (Not Shown)	
46	3570737	1	Bracket, Protector	
47		Ref	Hardware Options:	
47	4750800	4	Flatwasher #8 Wide (Prior to SN 02535)	
47	3820024	4	Pop Rivet (SN 02535 to Present)	
48	4760800	4	Lockwasher #8 (Prior to SN 02535)	
49	3310801	4	Nut #8-32NC (Prior to SN 02535)	
50	3910806	4	Screw #8-32NC x 3/8 (Prior to SN 02535)	
51	4740120	4	Washer, Nylon (SN 03629 to Present)	
	2901542	1	Controller Mounting Kit (Includes Items with 1, 6, 7, 8, 9, 10, & 11)	

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FIGURE 2-3. BATTERY CHARGER ASSEMBLY



NOTE: COVER NOT SHOWN FOR CLARITY



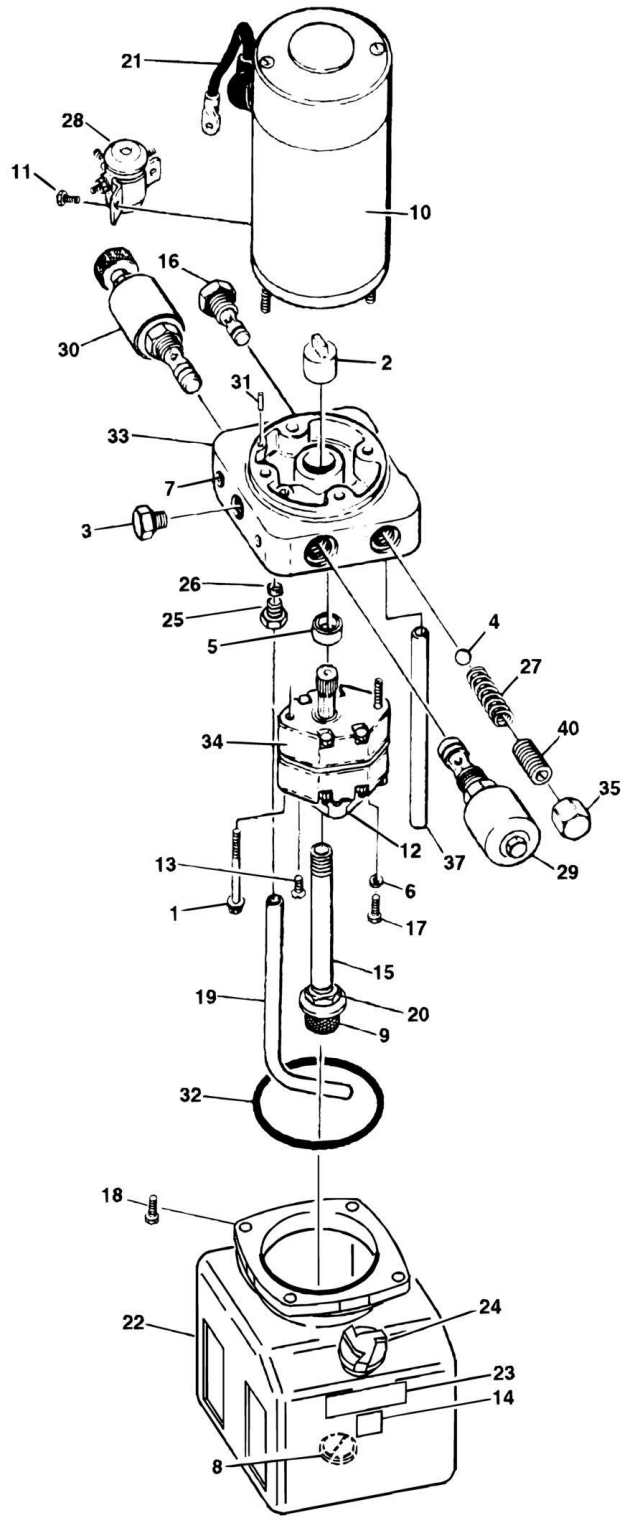
SECTION 2 - CONTROLS

FIGURE 2-3. BATTERY CHARGER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	BATTERY CHARGER ASSEMBLIES	
		Ref	Note: Battery Charger Serial Number Nameplate located on front of charger. To decode built date, look at first line for for Charger Spec and Date Code. Example: BA515 (Spec) 9631 (Date Code). First and second digits in the Date Code indicates year. Third and fourth digits indicate the week of manufacture.	
	0400164	Ref	BATTERY CHARGER ASSEMBLY - 120 VOLT/60HZ (Standard Machines) (BA1027 Charger Spec)	A
	0400166	Ref	BATTERY CHARGER ASSEMBLY - 240 VOLT/50HZ (Machines used in the countries of Argentina, Bolivia, Chile Paraguay and Uruguay only) (BA1028 Charger Spec)	A
	0400173	Ref	BATTERY CHARGER ASSEMBLY - 220 VOLT/60HZ (Brazil Spec Machines) (BA1046 Charger Spec)	A
1		Ref	Transformer Options:	
1	7018550	1	Transformer (Charger p/n 0400164)	
1	7018551	1	Transformer (Charger p/n 0400166)	
1	7018561	1	Transformer (Charger p/n 0400173)	
2		Ref	Card, Circuit Options:	
2	7018553	1	Card, Circuit (Charger p/n 0400164)	
2	7018562	1	Card, Circuit (Charger p/n 0400166)	
2	7018553	1	Card, Circuit (Charger p/n 0400173)	
3	7018554	1	Shunt Assembly	
4		Ref	Relay, Interlock Options:	
4	7018506	1	Relay, Interlock (Charger p/n 0400164)	
4	7018563	1	Relay, Interlock (Charger p/n 0400166)	
4	7018535	1	Relay, Interlock (Charger p/n 0400173)	
5	7018555	2	SCR Rectifier	
6		Ref	Varistor Options:	
6	7011596	1	Varistor (Charger p/n 0400164)	
6	7018537	1	Varistor (Charger p/n 0400166)	
6	7011537	1	Varistor (Charger p/n 0400173)	
7		Ref	AC Cord Assembly Options:	
7	7011638	1	AC Cord Assembly (Charger p/n 0400164)	
7	7011455	1	AC Cord Assembly (Charger p/n 0400166)	
7	7018565	1	AC Cord Assembly (Charger p/n 0400173)	
8	7018556	1	Connector, Strain Relief - 90	
9	7018567	1	DC Harness Assembly	
9A	4460424	1	Connector, Male - 2 Position	
9A	4460267	2	Pin, Male	
9B	7011528	1	Connector, Strain Relief	
10		Ref	Breaker, Circuit - AC Options:	
10	7018514	1	Breaker, Circuit - AC (Charger p/n 0400164)	
10	7018557	1	Breaker, Circuit - AC (Charger p/n 0400166)	
10	7018557	1	Breaker, Circuit - AC (Charger p/n 0400173)	
11	7011509	1	Breaker, Circuit - DC	

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FIGURE 2-4. PUMP/MOTOR/TANK ASSEMBLY



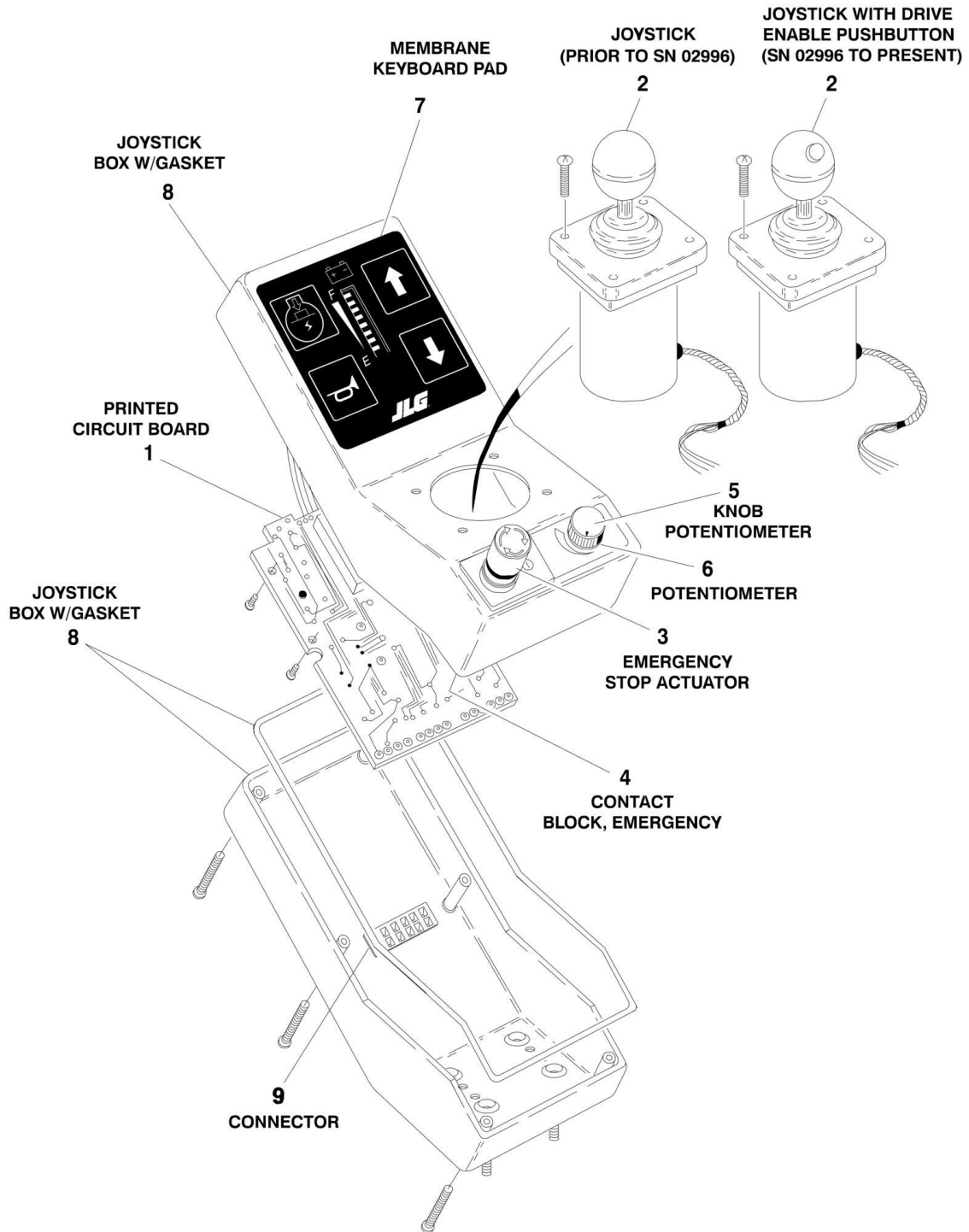
SECTION 2 - CONTROLS

FIGURE 2-4. PUMP/MOTOR/TANK ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PUMP/MOTOR/TANK ASSEMBLY OPTIONS:	
	3600254	Ref	Pump/Motor/Tank Assembly 10VP & 15VP	B
	3600255	Ref	Pump/Motor/Tank Assembly 20VP	B
1	7013713	2	Bolt 5/16in-24NF x 2 3/4in	
2	7016735	1	Coupling	
3	7013714	1	Plug	
4	7013715	1	Ball	
5	7013716	1	Seal, Shaft	
6	7013717	1	Washer	
7	Not Serviced	1	Plug, Shipping	
8	7013722	1	Magnet	
9	7013723	1	Filter - 149 Micron	
10	7016710	1	Motor	
10	7016718	1	Brush Kit	
11	7013758	2	Screw 1/4in-20NC	
12	7013727	1	Cover	
13	7013728	2	Screw M6 x 1	
14	Not Serviced	1	Nameplate - Serial Number	
15	7016719	1	Pipe, PCV	
16	7013708	1	Valve, Check Cartridge	
17	7016720	1	Bolt 5/16in-18NC x 1in	
18	7016721	4	Bolt #12-24NC x 1/2in	
19	7013791	1	Tube, Return	
20	7016722	1	Nut 3/8in	
21	7013759	1	Cable, Electrical	
22	7016712	1	Tank, Plastic	
23	7016713	1	Decal - Tank Fill Line	
24	7016714	1	Breather	
25	7013792	1	Nut, Compression	
26	7013793	1	Sleeve, Compression	
27	7013733	1	Spring	
28	7016711	1	Solenoid, Start	
29	7022205	1	Valve, Solenoid Cartridge	
29	7022206	1	Coil	
30	7016723	1	Valve, Manual Override Cartridge	
30	7016749	1	Knob, Manual Override	
31	7013766	1	Pin	
32	7013743	1	O-Ring	
33	Not Serviced	1	Endhead	
34		Ref	Pump Assembly Options:	
34	7017717	1	Pump Assembly 10VP & 15VP	
34	7013747	1	Pump Assembly 20VP	
34	7013701	1	Seal Kit - Pump	
35	7013750	1	Cap	
36	7013720	2	Plug 1/16in	
37	7016724	1	Tube	
40	7013770	1	Valve, Screw Adjustment	

SECTION 2 - CONTROLS

FIGURE 2-5. CONTROL BOX ASSEMBLY



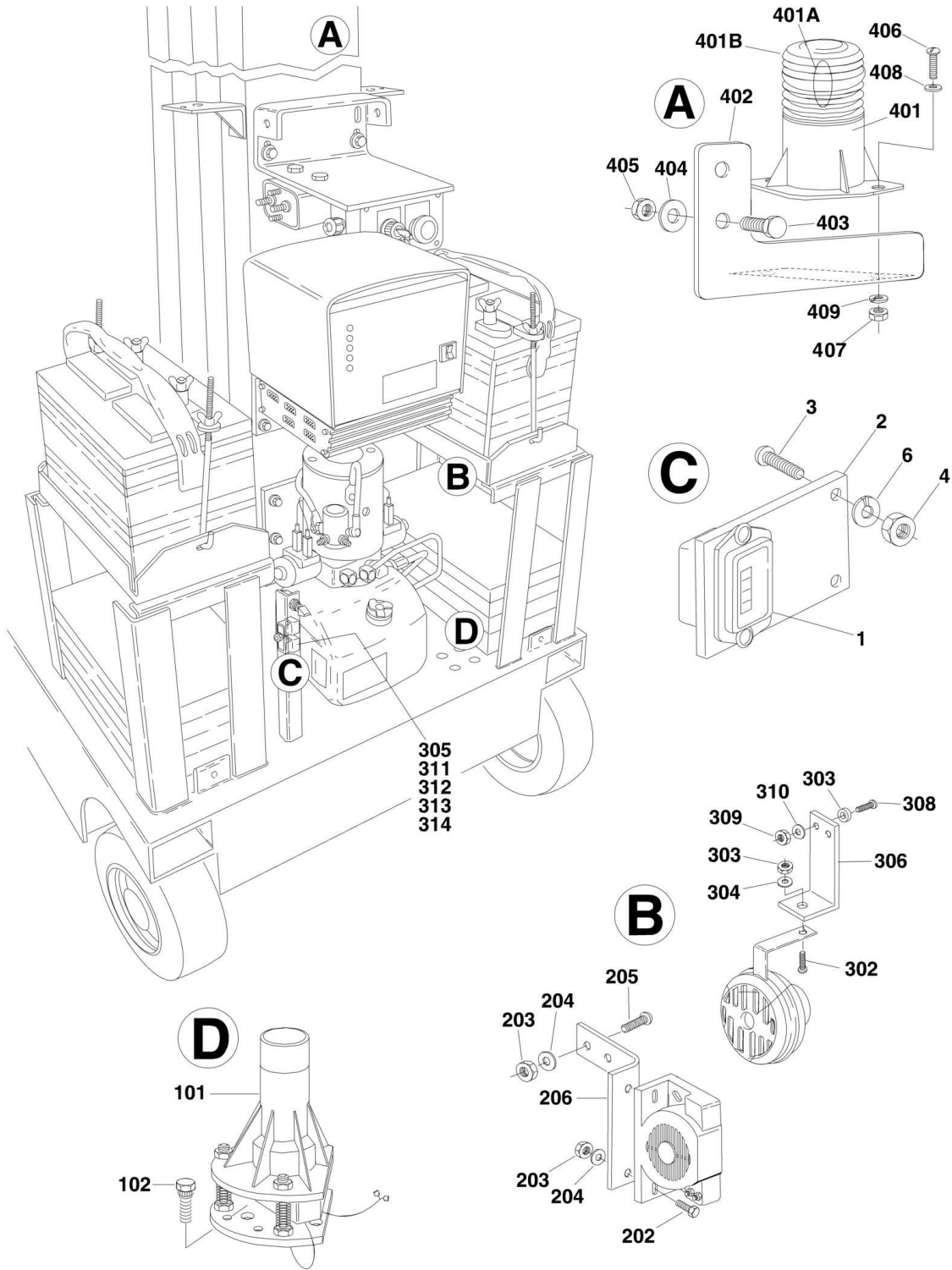
SECTION 2 - CONTROLS

FIGURE 2-5. CONTROL BOX ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	CONTROL BOX ASSEMBLIES	
	1600267	Ref	Control Box Assemblies (Prior to SN 02996)	A
	1600304	Ref	Control Box Assemblies (SN 02996 to Present)	A
1	No Longer Available	NLA	Printed Circuit Board (was p/n 7020147 - Must Purchase Complete Control Box)	
2		Ref	Joystick Options:	
2	7020141	1	Joystick (Prior to SN 02996)	
2	7023201	1	Joystick (SN 02996 to Present)	
3	7020144	1	Emergency Stop Actuator	
4	7020145	1	Contact Block, Emergency Stop	
5	7020143	1	Knob Potentiometer	
6	7020142	1	Potentiometer	
7		Ref	Membrane Keyboard Pad Options:	
7	7020146	1	Membrane Keyboard Pad (Prior to SN 02996)	
7	7023202	1	Membrane Keyboard Pad (SN 02996 to Present)	
8	7020139	1	Joystick Box W/Gasket	
9		Ref	Connector, 12 Position Options:	
9	Not Available		Connector, 12 Position (Prior to SN 02996)	
9	7026038	1	Connector, 12 Position (SN 02996 to Present)	
9	7026039	12	Pin	

SECTION 2 - CONTROLS

FIGURE 2-6. OPTION INSTALLATIONS



SECTION 2 - CONTROLS

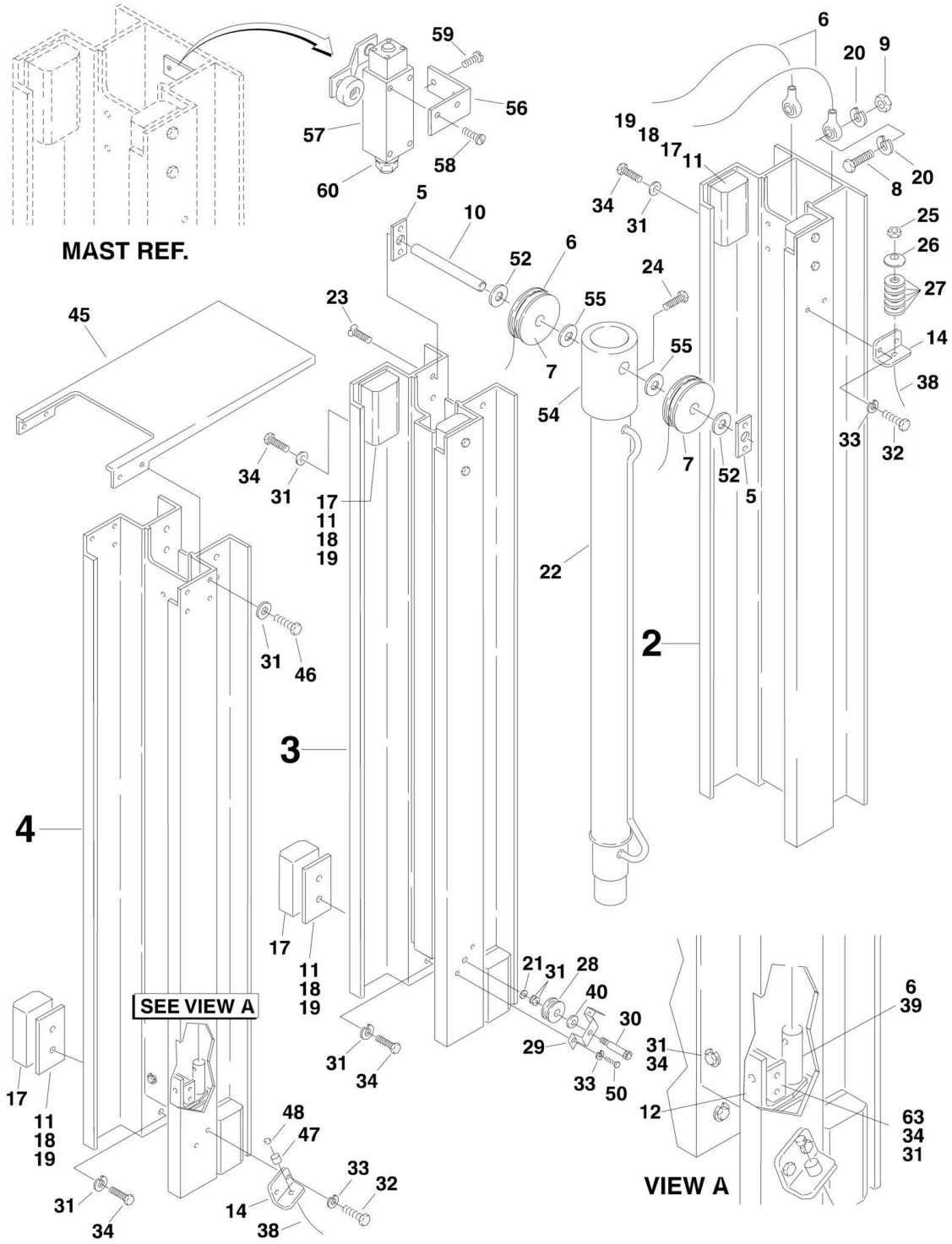
FIGURE 2-6. OPTION INSTALLATIONS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0256541	Ref	HOURMETER INSTALLATION - OPTION	B
1	2420165	1	Gauge, Hourmeter	
2	0902296	1	Bracket	
3	3910608	4	Screw, Machine #6-32NC x 1/2in	
4	3310601	4	Nut #6-32NC	
6	4760600	4	Lockwasher #6	
		Ref	TILT INDICATOR INSTALLATION - OPTIONS:	
	0256545	Ref	Tilt Indicator Installation (Prior to SN 02996)	3
	0270068	Ref	Tilt Indicator Installation (SN 02996 to Present)	1
101		Ref	Switch, Tilt Options:	
101	4360435	1	Switch, Tilt (Prior to SN 02996)	
101	4360465	1	Switch, Tilt (SN 02996 to Present)	
102	4300106	4	Stud, Grooved	
	0256540	Ref	ALARM INSTALLATION - OPTION	C
201	0140033	1	Alarm (Remove Ground Strap Before Installing)	
202	0641406	2	Bolt 1/4in-20NC x 3/4in	
203	3311405	4	Locknut 1/4in-20NC	
204	4711400	4	Flatwasher 1/4in (Narrow)	
205	3911410	2	Screw, Machine 1/4in-20NC x 5/8in	
206	0902356	1	Bracket	
	0256539	Ref	HORN INSTALLATION - OPTION	D
301	0140022	1	Horn	
302	0641507	1	Bolt 5/16in-18NC x 7/8 (Prior to SN 02938)	
303	3311505	1	Locknut 5/16in-18NC (Prior to SN 02938)	
304	4711500	2	Flatwasher 5/16in (Narrow) (Prior to SN 02938)	
305	3740069	1	Relay	
306	0902354	1	Bracket (With Horn Only) (Prior to SN 02938)	
307	3539964	1	Spacer (Prior to SN 02938)	
308	3911416	2	Screw, Machine 1/4in-20NC x 1 (Prior to SN 02938)	
309	3311405	2	Locknut 1/4in-20NC (Prior to SN 02938)	
310	4711400	2	Flatwasher 1/4in (Narrow) (Prior to SN 02938)	
311	3911010	1	Screw, Machine #10-24NC x 5/8in	
312	3311001	1	Nut #10-24NC	
313	4751000	2	Flatwasher #10	
314	4761000	1	Lockwasher #10	
	0256546	Ref	BEACON LIGHT INSTALLATION - OPTION	C
401	2920146	1	Beacon Light Assembly	
401A	7016319	1	Bulb, Light	
401B	7016372	1	Amber Lens	
402	0902297	1	Bracket	
403	0641610	2	Bolt 3/8in-16NC x 1 1/4in	
404	3311605	2	Locknut 3/8in-16NC	
405	4711600	4	Flatwasher 3/8in (Narrow)	
406	3911010	2	Screw, Machine #10-24NC x 5/8in	
407	3311001	2	Nut #10-24NC	
408	4751000	2	Flatwasher #10	
409	4761000	2	Lockwasher #10	

SECTION 3 - MAST

SECTION 3 - MAST

FIGURE 3-1. MAST ASSEMBLY - 10VP



SECTION 3 - MAST

FIGURE 3-1. MAST ASSEMBLY - 10VP

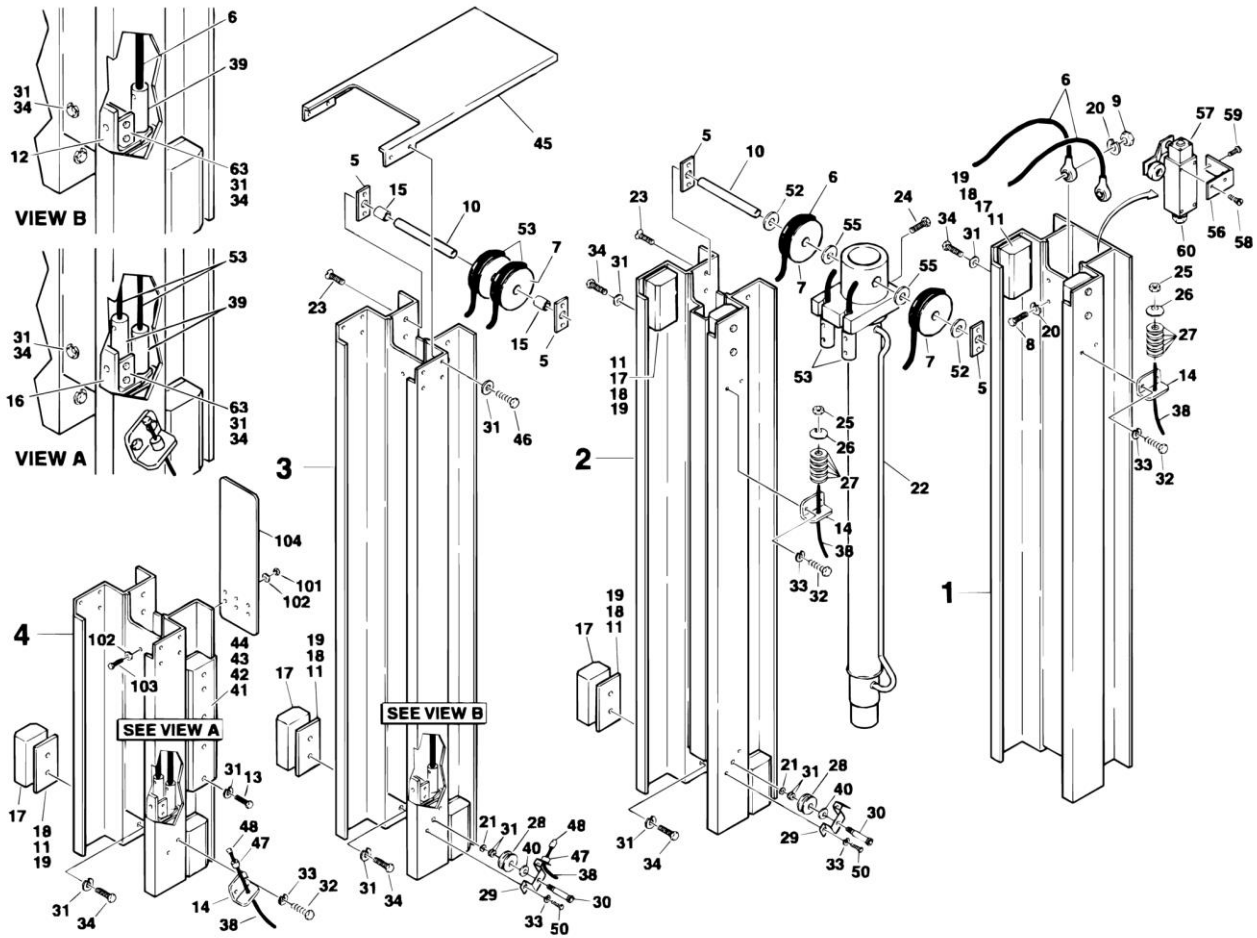
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0801117	Ref	MAST ASSEMBLY - 10VP	4-B
2	1271353	1	Channel, Mast #1	
3	1271354	1	Channel, Mast #2	
4	1271373	1	Channel, Mast #3	
5	0362377	2	Bar, Sheave Pin	
6	1060653	2	Cable Assembly	
7	3580217	2	Cable, Sheave	
8	0641610	2	Bolt 3/8in-16NC x 1 1/4in	
9	3311605	2	Locknut 3/8in-16 NC	
10	3422361	1	Pin, Sheave	
11	4070860	15	Shim 5/64in	
12	4845544	1	Bracket - Bottom	
14	0902047	1	Bracket	
17		Ref	Pad, Slide Options:	
17	3340704	8	Pad, Slide (Prior to SN 02816)	
17	3340845	8	Pad, Slide (SN 02816 to Present)	
18	4070861	3	Shim 1/32in	
19	4070862	10	Shim 1/64in	
20	4751600	2	Flatwasher 3/8in	
21	4761600	1	Lockwasher 3/8in	
22	1683201	1	Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
23	3900192	4	Screw, 3/8in-16NC x 1/2in	
24	3900206	1	Bolt 1/4in-20NC x 5/8in	
25	3311405	1	Locknut 1/4in-20NC	
26	4740414	1	Washer, Cup	
27	4160124	1	Spring	
28		Ref	Sheave, Cable	
28	3580228	1	Sheave, Cable (Prior to SN 02947)	
28	3580269	1	Sheave, Cable (SN 02947 to Present)	
29	0902042	1	Bracket, Pulley	
30	3900187	1	Screw, Shoulder	
31	4711400	38	Flatwasher 1/4in (Narrow)	
32	3900191	2	Screw #10-24NC x 3/4in	
33	4761000	8	Lockwasher #10	
34	0641406	16	Bolt 1/4in-20NC x 3/4in	
38	1060541	1	Cable, Sequence	
39	3311601	4	Nut 3/8in-16 NC	
40	4751500	1	Flatwasher 5/16in	
41	3340709	2	Pad, Slide	
45	4060877	1	Shield, Mast Cover	
46	0641404	4	Bolt 1/4in-20NC x 1/2in	
47	4220160	1	Sleeve, Stop	
48	4460121	1	Connector, Cap	
49	3020035	AR	Lubricant, Silicone (Not Shown) (Prior to SN 02816)	
50	3900205	2	Screw, Phillips	
52	4566838	2	Tube, Spacer	
54	4566846	1	Tube, Cylinder Cable Mounting	
55	4566960	2	Tube, Spacer	
56	0902285	1	Bracket, Limit Switch	
57	4360437	1	Switch, Limit	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
58	3911020	2	Screw, Machine #10-24NC x 1 1/4in	
59	0740602	2	Screw, Socket Head #6-32NC x 1/4in	
60	4460662	1	Connector, Strain Relief	
61	0100011	AR	Compound, Locking (Not Shown)	
62	0100035	AR	Compound, Locking (Not Shown)	
63	3570389	2	Plate, Support Attach	
	2901519	1	Mast Kit - 10VP (Includes Items 2-4)	

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FIGURE 3-2. MAST ASSEMBLY - 15VP



SECTION 3 - MAST

FIGURE 3-2. MAST ASSEMBLY - 15VP

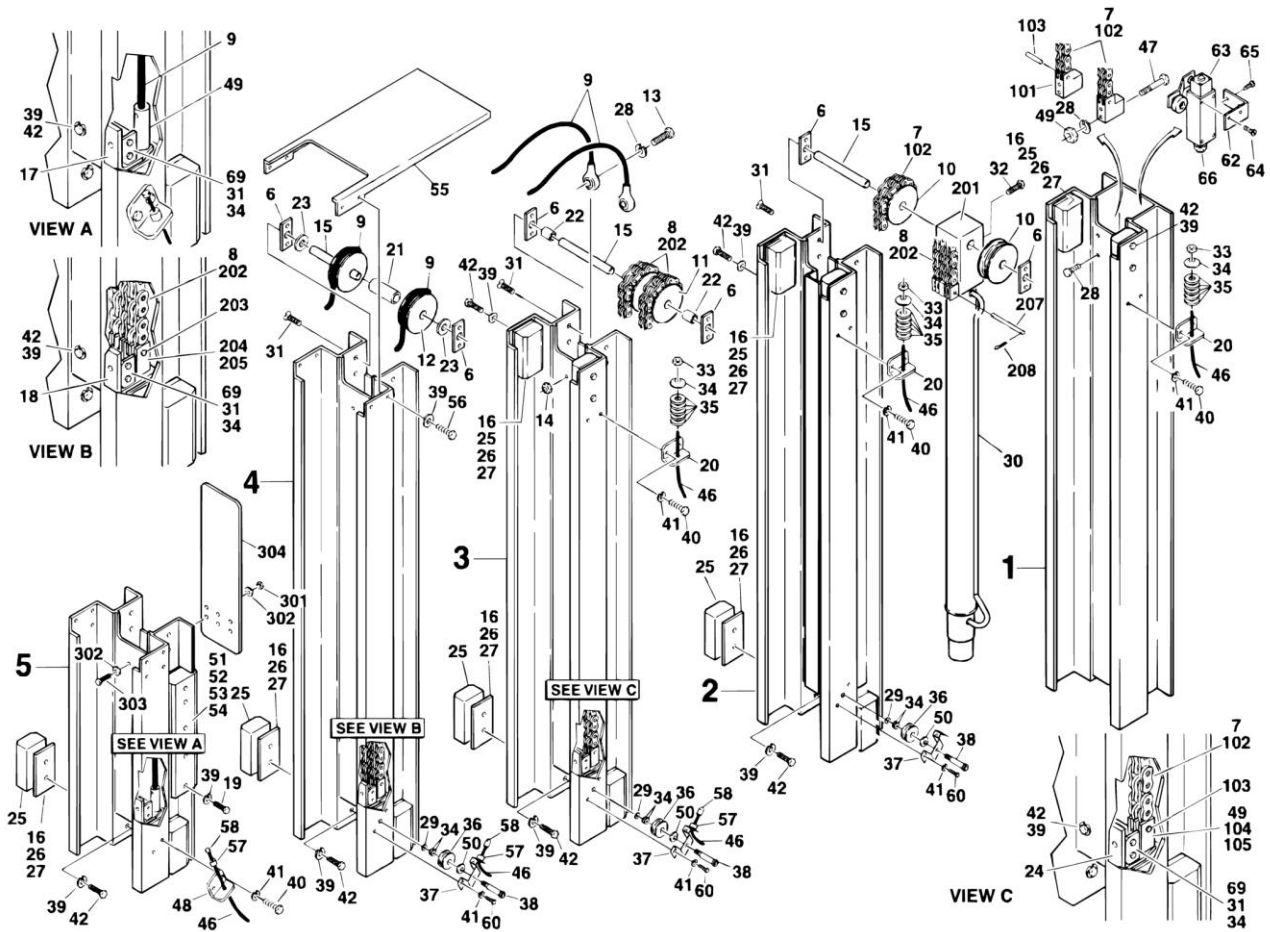
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0801118	Ref	MAST ASSEMBLY - 15VP	4-B
1	1271353	1	Channel, Mast #1	
2	1271354	1	Channel, Mast #2	
3	1271356	1	Channel, Mast #3	
4	1271357	1	Channel, Mast #4	
5	0362377	4	Bar, Sheave Pin Support	
6	1060653	2	Cable, Assembly	
7	3580217	4	Cable, Sheave	
8	0641610	2	Bolt 3/8in-16NC x 1 1/4in	
9	3311605	2	Locknut 3/8in-16 NC	
10	3422361	1	Pin, Sheave	
11	4070860	15	Shim 5/64in	
12	4845544	1	Bracket - Bottom	
13	0641410	10	Bolt 1/4in-20NC x 1 1/4in	
14	0902047	2	Bracket, Sequence Cable	
15	4566487	2	Tube, Spacer	
16	0901993	1	Bracket, Bottom	
17		Ref	Pad, Slide Options:	
17	3340704	10	Pad, Slide (Prior to SN 02816)	
17	3340845	10	Pad, Slide (SN 02816 to Present)	
18	4070861	3	Shim 1/32in	
19	4070862	10	Shim 1/64in	
20	4751600	2	Flatwasher 3/8in	
21	4761600	2	Lockwasher 3/8in	
22	1683201	1	Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
23	3900192	8	Screw, 3/8in-16NC x 1/2in	
24	3900206	1	Bolt 1/4in-20NC x 5/8in	
25	3311405	2	Locknut 1/4in-20NC	
26	4740414	2	Washer, Cup	
27	4160124	2	Spring	
28		Ref	Sheave, Cable	
28	3580228	2	Sheave, Cable (Prior to SN 02947)	
28	3580269	2	Sheave, Cable (SN 02947 to Present)	
29	0902042	2	Bracket, Pulley	
30	3900187	2	Screw, Shoulder	
31	4711400	54	Flatwasher 1/4in (Narrow)	
32	3900191	4	Screw #10-24NC x 3/4in	
33	4761000	8	Lockwasher #10	
34	0641406	38	Bolt 1/4in-20NC x 3/4in	
38	1060541	2	Cable, Sequence	
39	3311601	8	Nut 3/8in-16 NC	
40	4751500	2	Flatwasher 5/16in	
41	3340709	2	Pad, Slide	
42	4070875	1	Shim 5/64in	
43	4070876	1	Shim 3/64in	
44	4070877	1	Shim 1/64in	
45	4060877	1	Shield, Mast Cover	
46	0641404	4	Bolt 1/4in-20NC x 1/2in	
47	4220160	2	Sleeve, Stop	
48	4460121	2	Connector, Cap	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	3020035	AR	Lubricant, Silicone (Not Shown) (Prior to SN 02816)	
50	3900205	4	Screw, Phillips	
52	4566838	2	Tube, Spacer	
53	1060656	2	Cable, Mast Extension	
54	4845133	1	Tube, Cylinder Cable Mounting	
55	4566960	2	Tube, Spacer	
56	0902285	1	Bracket, Limit Switch	
57	4360437	1	Switch, Limit	
58	3911020	2	Screw, Machine #10-24NC x 1 1/4in	
59	0740602	2	Screw, Socket Head #6-32NC x 1/4in	
60	4460662	1	Connector, Strain Relief	
61	0100011	AR	Compound, Locking (Not Shown)	
62	0100035	AR	Compound, Locking (Not Shown)	
63	3570389	4	Plate, Support Attach	
	2901520	1	Mast Kit - 15VP (Includes Items 1-4)	
	0270113	Ref	MAST SHIELD ASSEMBLY	A
101	3311401	4	Nut 1/4in-20NC	
102	4711400	8	Flatwasher 1/4in (Narrow)	
103	0641408	4	Bolt 1/4in-20NC x 1in	
104		Ref	Shield, Mast Chain/Cable Options:	
104	4060988	1	Shield - 21 1/2in x 4in	
104	4060994	1	Shield - 15 1/2in x 4in (Restricted Height)	

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FIGURE 3-3. MAST ASSEMBLY - 20VP



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FIGURE 3-3. MAST ASSEMBLY - 20VP

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0801119	Ref	MAST ASSEMBLY - 20VP	5-D
1	1271353	1	Channel, Mast #1	
2	1271354	1	Channel, Mast #2	
3	1271358	1	Channel, Mast #3	
4	1271356	1	Channel, Mast #4	
5	1271357	1	Channel, Mast #5	
6	0362377	6	Bar, Sheave Pin Support	
7	1260305	2	Chain Assembly - #466 (See Items 101-106 for Breakdown)	
8	1260306	1	Chain Assembly - #444 (See Items 201-206 for Breakdown)	
9	1060653	2	Cable, Assembly	
10	3580227	2	Sheave, Chain - #466	
11	3580226	2	Sheave, Chain - #444	
12	3580217	2	Cable, Sheave	
13	0641610	2	Bolt 3/8in-16NC x 1 1/4in	
14	3311605	6	Locknut 3/8in-16 NC	
15	3422361	3	Pin, Sheave	
16	4070860	16	Shim 5/64in	
17	0901992	1	Bracket - Bottom	
18	0901993	1	Bracket - Bottom	
19	0641410	10	Bolt 1/4in-20NC x 1 1/4in	
20	0902047	3	Bracket, Sequence Cable	
21	4566486	1	Tube, Spacer	
22	4566487	2	Tube, Spacer	
23	4712600	2	Flatwasher 1in	
24	4845544	1	Bracket - Bottom	
25		Ref	Pad, Slide Options:	
25	3340704	14	Pad, Slide (Prior to SN 02816)	
25	3340845	14	Pad, Slide (SN 02816 to Present)	
26	4070861	2	Shim 1/32in	
27	4070862	9	Shim 1/64in	
28	4751600	8	Flatwasher 3/8in	
29	4761400	3	Lockwasher 1/4in	
30	1683201	1	Lift Cylinder Assembly (See CYLINDER SECTION for Breakdown)	
31	3900192	12	Screw, 3/8in-16NC x 1/2in	
32	3900206	1	Bolt 1/4in-20NC x 5/8in	
33	3311405	3	Locknut 1/4in-20NC	
34	4740414	3	Washer, Cup	
35	4160124	3	Spring	
36		Ref	Sheave, Cable	
36	3580228	3	Sheave, Cable (Prior to SN 02947)	
36	3580269	3	Sheave, Cable (SN 02947 to Present)	
37	0902042	3	Bracket, Pulley	
38	3900187	3	Screw, Shoulder	
39	4711400	80	Flatwasher 1/4in (Narrow)	
40	3900191	8	Screw #10-24NC x 3/4in	
41	4761000	14	Lockwasher #10	
42	0641406	44	Bolt 1/4in-20NC x 3/4in	
46	1060541	3	Cable, Sequence	
47	0741620	4	Bolt 3/8in-16NC x 2 1/2in	
48	0902084	1	Bracket	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
49	3311601	12	Nut 3/8in-16 NC	
50	4751500	3	Flatwasher 5/16in	
51	3340709	2	Pad, Slide	
52	4070875	2	Shim 5/64in	
53	4070876	1	Shim 3/64in	
54	4070877	1	Shim 1/64in	
55		Ref	Shield, Mast Cover Options:	
55	4060877	1	Shield, Mast Cover (Prior to SN 03277)	
55	4061004	1	Shield, Mast Cover (SN 03277 to Present)	
56	0641404	4	Bolt 1/4in-20NC x 1/2in	
57	4220160	3	Sleeve, Stop	
58	4460121	3	Connector, Cap	
59	3020035	AR	Lubricant, Silicone (Not Shown) (Prior to SN 02816)	
60	3900205	6	Screw, Phillips	
62	0902285	1	Bracket, Limit Switch	
63	4360437	1	Switch, Limit	
64	3911020	2	Screw, Machine #10-24NC x 1 1/4in	
65	0740602	2	Screw, Socket Head #6-32NC x 1/4in	
66	4460662	1	Connector, Strain Relief	
67	0100011	AR	Compound, Locking (Not Shown)	
68	0100035	AR	Compound, Locking (Not Shown)	
69	3570389	6	Plate, Support Attach	
	2901521	1	Mast Kit - 20VP (Includes Items 1-5)	
	1260305	Rev	CHAIN ASSEMBLY - #466 CHAIN	C
101	0561156	1	Block, Chain Anchor	
102	1260299	68 in/1.73m	Chain	
103	3422265	2	Pin, Chain Anchor	
103	3450201	4	Pin, Cotter	
104	0561150	1	Block, Chain Anchor	
105	4300111	1	Stud	
106	0100062	AR	Compound, Locking (Not Shown)	
	1260306	Rev	CHAIN ASSEMBLY - #444 CHAIN	C
201	0561159	1	Block, Chain Anchor	
202	1260298	137 in/3.488m	Chain	
203	3422346	2	Pin, Groove	
204	0561151	2	Block, Chain Anchor	
205	4300111	2	Stud	
206	0100062	AR	Compound, Locking (Not Shown)	
207	3422266	1	Pin, Chain Anchor	
208	3450201	2	Pin, Cotter	
	0270113	Ref	MAST SHIELD ASSEMBLY	A
301	3311401	4	Nut 1/4in-20NC	
302	4711400	8	Flatwasher 1/4in (Narrow)	
303	0641408	4	Bolt 1/4in-20NC x 1in	
304		Ref	Shield, Mast Chain/Cable Options:	
304	4060988	1	Shield - 21 1/2in x 4in	
304	4060994	1	Shield - 15 1/2in x 4in (Restricted Height)	

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FIGURE 3-4. MAST MOUNTED COMPONENTS

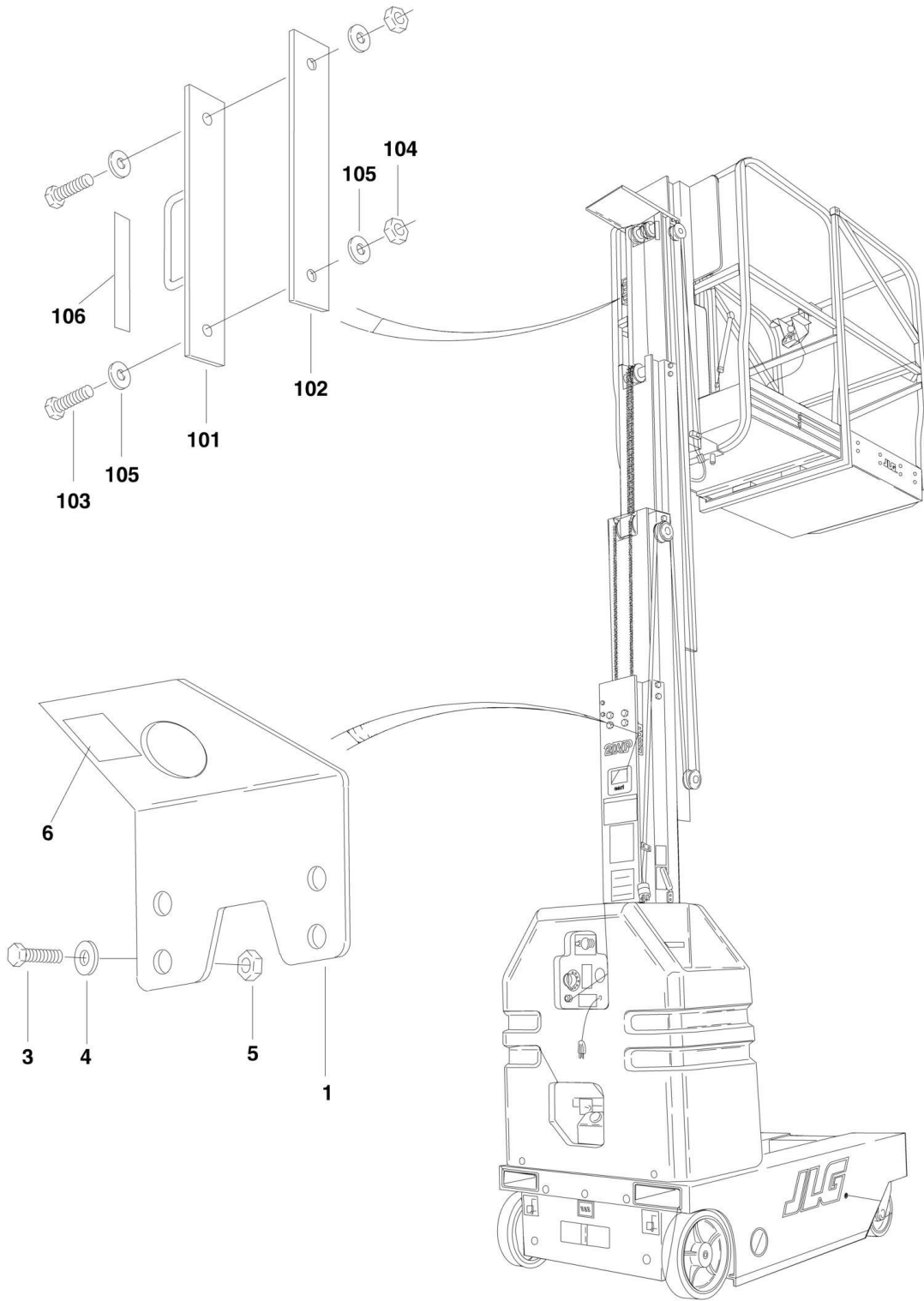


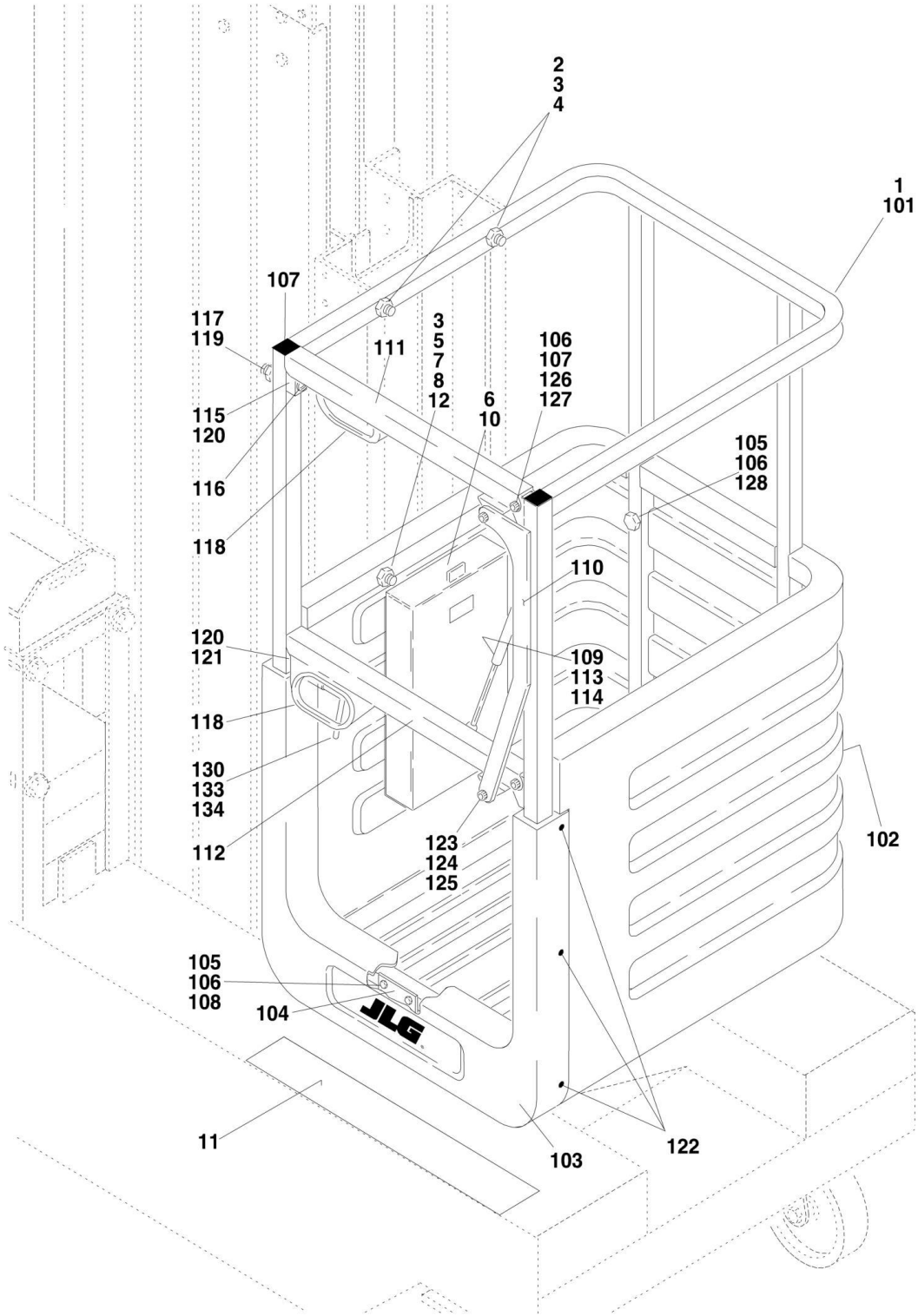
FIGURE 3-4. MAST MOUNTED COMPONENTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0257648	Ref	OPTIONAL CRANE HOOK INSTALLATION	1
1	3570312	1	Plate, Crane Hook	
3	0641609	4	Bolt 3/8in-16NC x 1 1/8in	
4	4711600	4	Flatwasher 3/8in	
5	3311601	4	Nut 3/8in-16NC	
6	1703455	1	Decal - Crane Hook	
		Ref	SAFETY ATTACH INSTALLATION	
	0256559	Ref	Common Machines	3
	0257114	Ref	GM/Hertz Machines	
101	4845345	1	Weldment, Safety Attach	
102	3539814	1	Plate, Backing	
103	0641812	2	Bolt 1/2in-13NC x 1 1/2	
104	3271805	2	Locknut 1/2in-13NC	
105	4751800	4	Flatwasher 1/2in	
106		Ref	Decal - Lanyard Attach Options:	
106	1702612	1	Common Machines (Prior to SN 03905)	
106	1704277	1	Common Machines (SN 03905 to Present)	
106	1703175	1	GM/Hertz Machines	

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FIGURE 4-1. MOLDED PLATFORM INSTALLATION (Prior to SN 02370)



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FIGURE 4-1. MOLDED PLATFORM INSTALLATION (Prior to SN 02370)

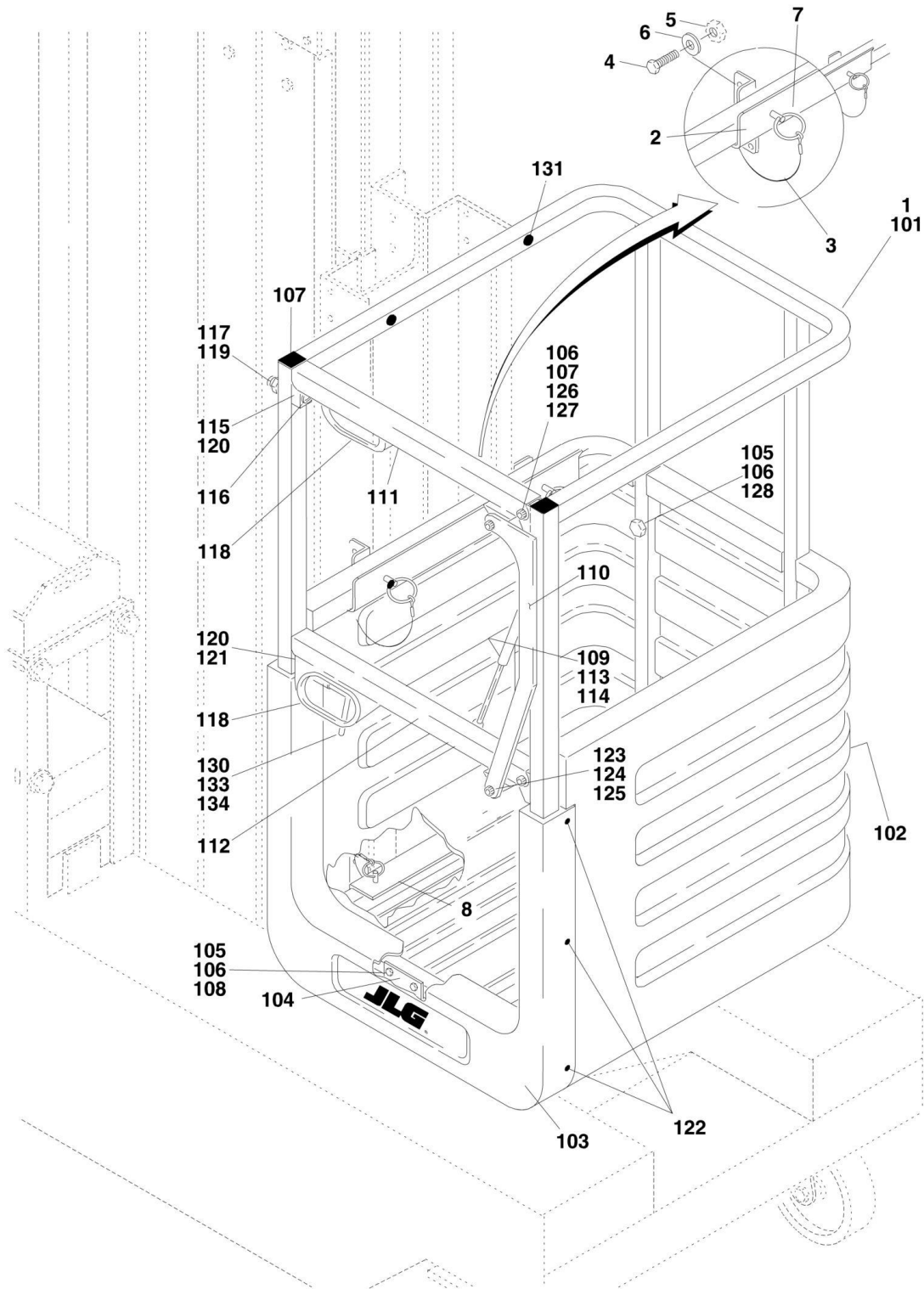
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MOLDED PLATFORM INSTALLATION OPTIONS:	
	0258000	Ref	Standard Machines	1
	0258017	Ref	CSA Machines	1
1	3510454	1	Platform Assembly (See Items 101-134 for Breakdown)	
2	0641518	2	Bolt 5/16in-18NC x 2 1/4in	
3	4711500	4	Flatwasher 5/16in (Narrow)	
4	3311505	2	Locknut 5/16in-18NC	
5	3300356	2	Nut, Acorn 5/16in-18NC	
6	0860520	1	Box, Manual Storage	
7	4300115	2	Stud 5/16in-18NC x 3in	
8	3311501	2	Nut 5/16in-18NC	
9	0100011	AR	Compound, Locking (Not Shown)	
10	3820032	4	Rivet	
11	4420039	16	Tape, Non Skid	
		in/39cm		
12		Ref	Shim Options:	
12	Not Required	0	Standard Machines	
12	4070958	1	CSA Machines	
	0258007	1	Platform Kit (Includes Items with (1 to 12) asterisk)	
	3510454	Ref	PLATFORM ASSEMBLY	5-D
101	3640923	1	Rail	
102	3510477	1	Basket	
103	4060882	1	Cover	
104	0362384	1	Bar, Support	
105	0641416	10	Bolt 1/4in-20NC x 2in	
106	4751400	22	Flatwasher 1/4in	
107	3520072	2	Cap	
108	3311405	12	Locknut 1/4in-20NC	
109	4160125	1	Spring, Gas	
110	0362347	1	Link, Gate	
111	3640924	1	Rail, Gate (Top)	
112	3640990	1	Rail, Gate (Bottom)	
113	4751500	1	Flatwasher 5/16in	
114	3311505	1	Locknut 5/16in-18NC	
115	3340746	1	Pad, Gate Rest	
116	3911032	4	Screw, Machine #10-24NC x 2in	
117	4751000	8	Flatwasher #10	
118	4060805	2 ft/0.6m	Flex-Trim	
119	3311001	4	Nut #10-24NC	
120	4070890	2	Shim, Gate Stop	
121	3340754	1	Pad, Gate Latch	
122	3900177	6	Screw, Plastite	
123	3900202	2	Bolt, Shoulder	
124	4740429	4	Washer, Nylon	
125	3311005	2	Locknut #10-24NC	
126	3900203	2	Bolt, Shoulder	
127	4740428	4	Washer, Nylon	
128	3300151	2	Nut, Acorn 1/4in-20NC	
129	0100011	AR	Compound, Locking (Not Shown)	
130	2940082	1	Latch, Gate	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
133	3820024	2	Rivet	
134	4070894	1	Shim, Gate Latch	

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FIGURE 4-2. MOLDED PLATFORM INSTALLATION (SN 02370 to Present)



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FIGURE 4-2. MOLDED PLATFORM INSTALLATION (SN 02370 to Present)

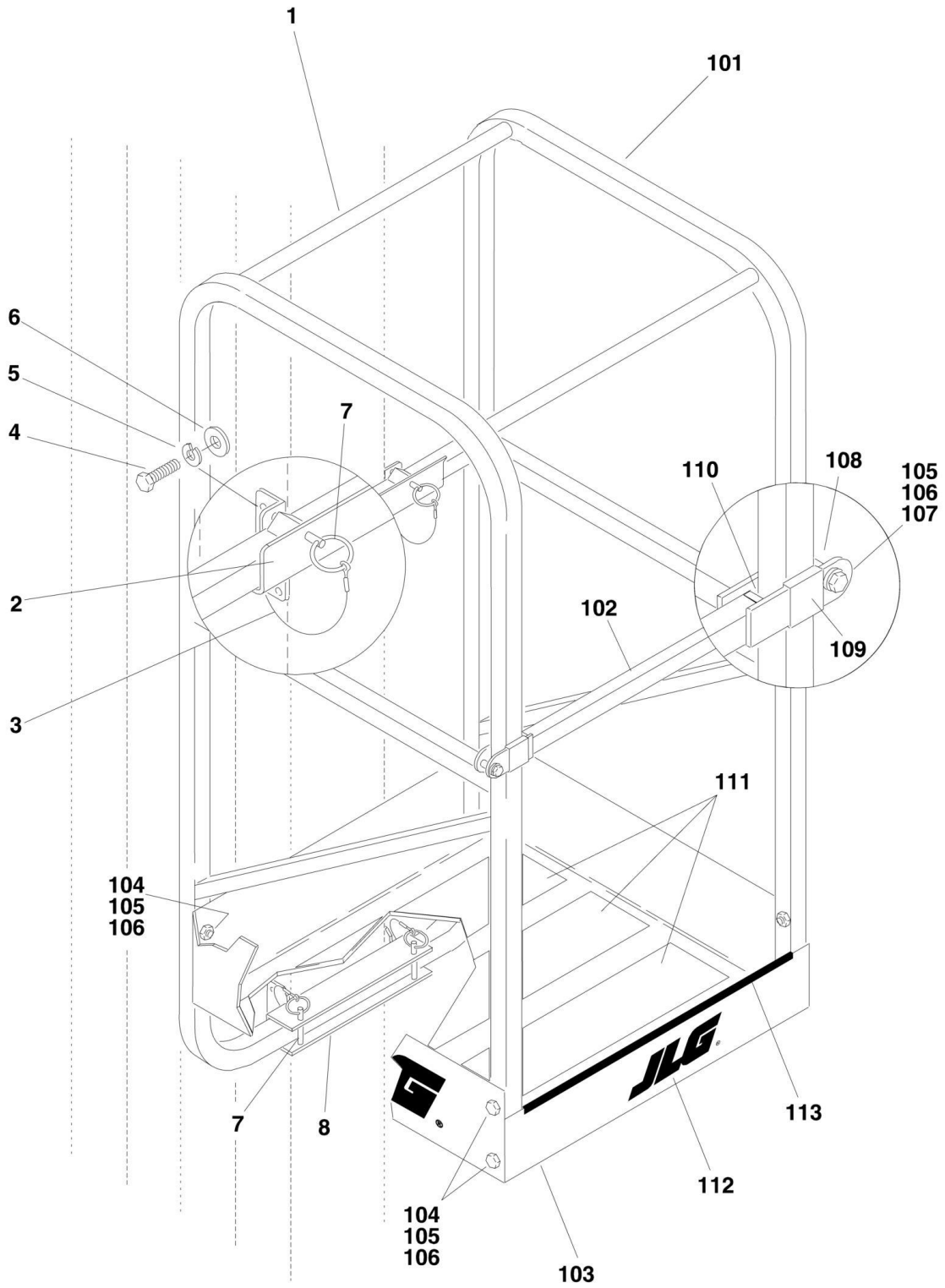
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	MOLDED PLATFORM INSTALLATION OPTIONS:	
	0258878	Ref	Molded Platform Installation 20VP - Standard Machines	1
	0258877	Ref	Molded Platform Installation 10VP & 15VP - Standard Machines	1
	0258879	Ref	Molded Platform Installation 20VP - CSA Machines	1
	0258881	Ref	Molded Platform Installation 10VP & 15VP - CSA Machines	1
1	0258672	1	Platform Assembly (See Items 101-134 for Breakdown)	
2		Ref	Weldment, Platform Mount Options:	
2	4845806	1	Weldment, Platform Mount 20VP - Standard and CSA Machines	
2	4845807	1	Weldment, Platform Mount 10VP & 15VP - Standard and CSA Machines	
3	1060380	4	Cable, Lanyard	
4	0641408	8	Bolt 1/4in-20NC x 1in	
5	3311405	8	Locknut 1/4in-20NC	
6	4711400	16	Flatwasher 1/4in	
7	3422657	4	Pin, Ball Detent	
8		Ref	Weldment, Platform Mount Options:	
8	4845806	1	Weldment, Platform Mount 20VP - Standard Machines	
8	4845807	1	Weldment, Platform Mount 10VP & 15VP - Standard Machines	
8	4845847	1	Weldment, Platform Mount 10VP, 15VP & 20VP - CSA Machines	
	0258672	Ref	PLATFORM ASSEMBLY	3-B
101	4845822	1	Rail	
102	3510676	1	Basket	
103	4060882	1	Cover	
104	4845831	1	Weldment, Bottom Mount	
105	0641416	10	Bolt 1/4in-20NC x 2in	
106	4751400	22	Flatwasher 1/4in	
107	3520072	4	Cap	
108	3311405	12	Locknut 1/4in-20NC	
109	4160125	1	Spring, Gas	
110	0362347	1	Link, Gate	
111	3640924	1	Rail, Gate (Top)	
112	3640990	1	Rail, Gate (Bottom)	
113	4711500	1	Flatwasher 5/16in	
114	3311505	1	Locknut 5/16in-18NC	
115	3340746	1	Pad, Gate Rest	
116	3911032	4	Screw, Machine #10-24NC x 2in	
117	4751000	8	Flatwasher #10	
118	4060804	2 ft/0.6m	Flex-Trim	
119	3311001	4	Nut #10-24NC	
120	4070890	2	Shim, Gate Stop	
121	3340754	1	Pad, Gate Latch	
122	3900177	6	Screw, Plastite	
123	3900202	2	Bolt, Shoulder	
124	4740429	4	Washer, Nylon	
125	3311005	2	Locknut #10-24NC	
126	3900203	2	Bolt, Shoulder	
127	4740428	4	Washer, Nylon	

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ITEM	PART NUMBER	QTY	DESCRIPTION	REV
128	3300151	2	Nut, Acorn 1/4in-20NC	
129	0100011	AR	Compound, Locking (Not Shown)	
130	2940082	1	Latch, Gate	
131	3520028	AR	Plug	
133	3820024	2	Rivet	
134	4070894	1	Shim, Gate Latch	

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FIGURE 4-3. QUICK-CHANGE PLATFORM INSTALLATION WITH SLIDE RAIL ENTRY



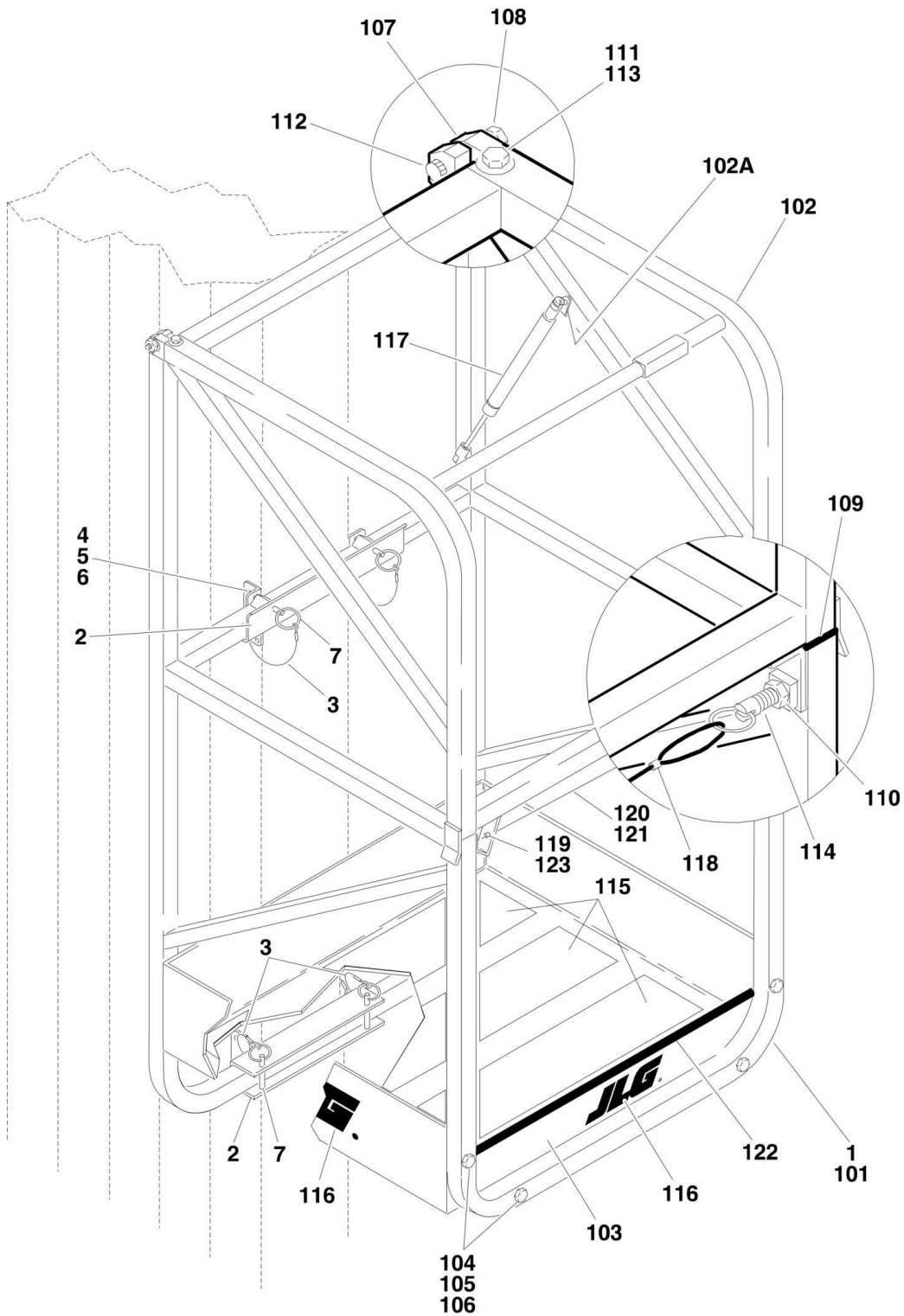
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FIGURE 4-3. QUICK-CHANGE PLATFORM INSTALLATION WITH SLIDE RAIL ENTRY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM INSTALLATION OPTIONS:	
	0257928	Ref	Platform Installation 10VP & 15VP with 26in x 26in (66cm x 66cm)	2
	0257620	Ref	Platform Installation 20VP with 26in x 26in (66cm x 66cm)	2
	0258720	Ref	Platform Installation 10VP & 15VP with 26in x 26in (66cm x 66cm) - CSA Machines	2
	0258698	Ref	Platform Installation 20VP with 26in x 26in (66cm x 66cm) - CSA Machines	1
1	0257711	1	Platform Assembly (See Items 101-113 for Breakdown)	
2		Ref	Weldment, Platform Mount Options:	
2	4845806	1	Weldment, Platform Mount 20VP - Standard and CSA Machines	
2	4845807	1	Weldment, Platform Mount 10VP & 15VP - Standard and CSA Machines	
3	1060380	4	Cable, Lanyard	
4	0641408	8	Bolt 1/4in-20NC x 1in	
5	3311405	8	Locknut 1/4in-20NC	
6	4711400	16	Flatwasher 1/4in	
7	3422657	4	Pin, Ball Detent	
8		Ref	Weldment, Platform Mount Options:	
8	4845806	1	Weldment, Platform Mount 20VP - Standard Machines	
8	4845807	1	Weldment, Platform Mount 10VP & 15VP - Standard Machines	
8	4845807	1	Weldment, Platform Mount 10VP & 15VP - CSA Machines	
8	4845847	1	Weldment, Platform Mount 20VP - CSA Machines	
	0257711	Ref	PLATFORM ASSEMBLY	6-D
101	4845577	1	Rail	
102		Ref	Weldment, Gate Options:	
102	4845578	1	Weldment, Gate (Prior to SN 03836)	
102	4845797	1	Weldment, Gate (SN 03836 to Present)	
103	3570435	1	Plate, Platform Pan	
104	0641414	8	Bolt 1/4in-20NC x 1 3/4in	
105	4711400	20	Flatwasher 1/4in (Narrow)	
106	3311405	10	Locknut 1/4in-20NC	
107	0641418	2	Bolt 1/4in-20NC x 2 1/4in	
108	0961845	2	Bushing	
109	4280296	1.5 ft/0.5m	Tape	
110	3520169	2	Cap-Plug	
111	4420039	6 ft/1.8m	Tape, Non Skid	
112		Ref	Decal - JLG	
112	1701612	3	Decal - JLG (Prior to SN 03905)	
112	1703681	3	Decal - JLG (SN 03905 to Present)	
113	4060803	Ref	Shield, Flex-Trim Options:	
113	4060803	3.8 ft/1.16m	Shield, Flex-Trim (Prior to SN 03836)	
113	4060803	1.9 ft/0.6m	Shield, Flex-Trim (SN 03836 to Present)	

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FIGURE 4-4. QUICK-CHANGE PLATFORM INSTALLATION WITH GULLWING GATE (Prior to SN 02256)



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FIGURE 4-4. QUICK-CHANGE PLATFORM INSTALLATION WITH GULLWING GATE (Prior to SN 02256)

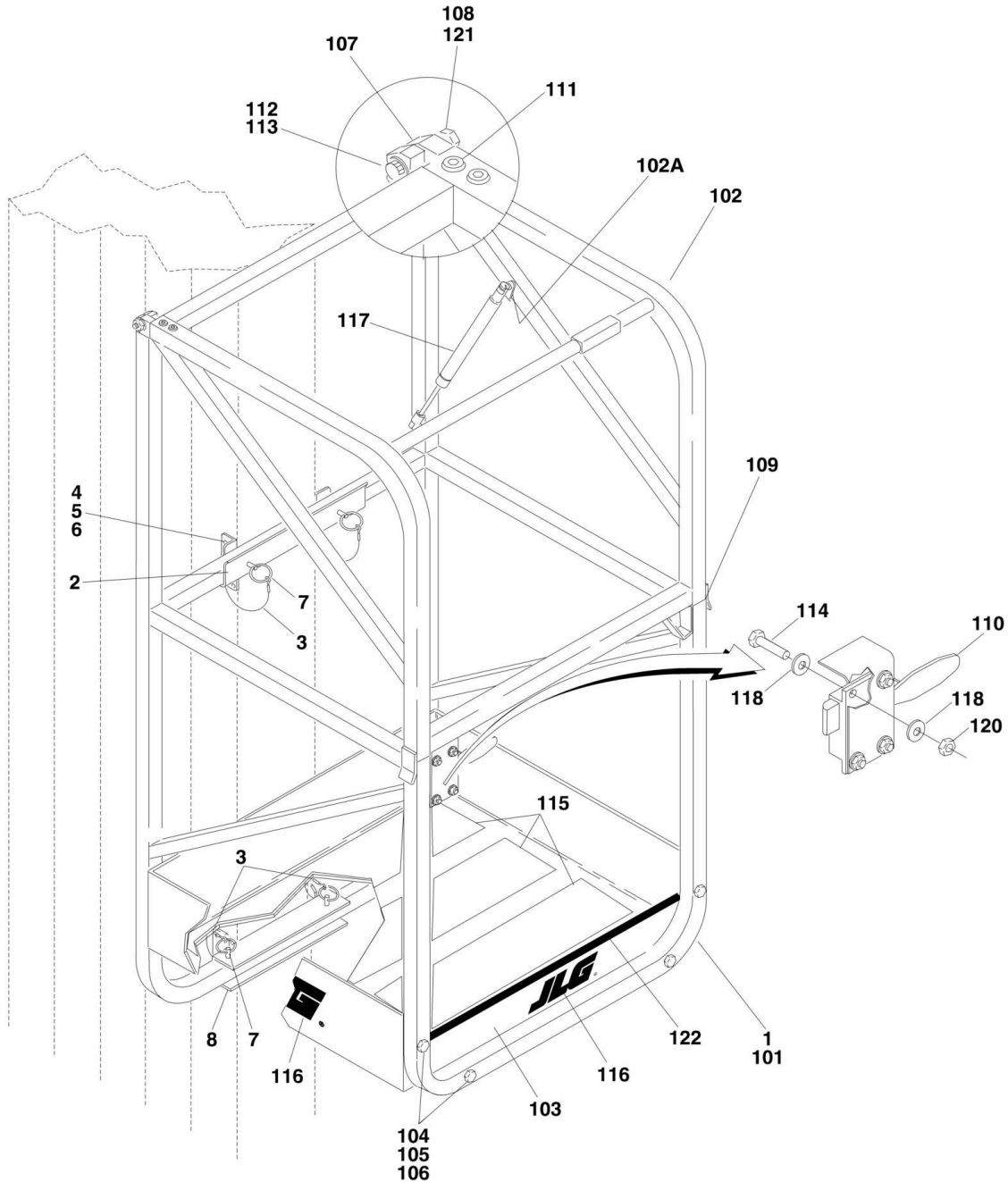
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM INSTALLATION OPTIONS:	
	0257927	Ref	Platform Installation 10VP & 15VP with 25in x 22in (63.5cm x 56cm)	1
	0257622	Ref	Platform Installation 20VP with 25in x 22in (63.5cm x 56cm)	1
	0257926	Ref	Platform Installation 10VP & 15VP with 26in x 28in (66cm x 71cm)	1
	0257656	Ref	Platform Installation 20VP with 26in x 28in (66cm x 71cm)	1
1		Ref	Platform Assembly (See Items 101-123 for Breakdown)	
1	0257741	1	25in X 22in (63.5cm x 56cm)	
1	0257713	1	26in X 28in (66cm x 71cm)	
2		Ref	Weldment, Platform Mount Options:	
2	4845663	2	Weldment, Platform Mount 10VP & 15VP	
2	4845537	2	Weldment, Platform Mount 20VP	
3	1060380	4	Cable, Lanyard	
4	0641408	8	Bolt 1/4in-20NC x 1in	
5	3311405	8	Locknut 1/4in-20NC	
6	4711400	16	Flatwasher 1/4in	
7	3422657	4	Pin, Ball Detent	
	2901552	1	Platform Kit - 10VP & 15VP (Includes Items with 2 to 7)	
	2901551	1	Platform Kit - 20VP (Includes Items with (2 to 7) asterisk)	
		Ref	PLATFORM ASSEMBLY	
	0257741	Ref	25in X 22in (63.5cm x 56cm)	3
	0257713	Ref	26in X 28in (66cm x 71cm)	3
101		Ref	Weldment, Platform Rail Options:	
101	4845586	1	25in X 22in (63.5cm x 56cm)	
101	4845583	1	26in X 28in (66cm x 71cm)	
102		Ref	Weldment, Gullwing Gate Options:	
102	4845585	1	25in X 22in (63.5cm x 56cm)	
102	4845584	1	26in X 28in (66cm x 71cm)	
102A	0902395	1	Bracket, Spring (Welded on Part)	
103		Ref	Plate, Platform Pan Options:	
103	3570464	1	25in X 22in (63.5cm x 56cm)	
103	3570462	1	26in X 28in (66cm x 71cm)	
104	0641414	8	Bolt 1/4in-20NC x 1 3/4in	
105	4711400	16	Flatwasher 1/4in (Narrow)	
106	3311405	10	Locknut 1/4in-20NC	
107	2600225	4	Hinge, Gate	
108	3311505	2	Locknut 5/16in-18NC	
109	3520072	4	Cap-Plug	
110	3311802	1	Nut, Jam 1/2in-13NC	
111	3900251	4	Screw, Button Head 1/4in-20NC x 3/8in	
112	3900032	2	Bolt, Shoulder	
113	4711600	4	Flatwasher 3/8in (Narrow)	
114	3422658	1	Pin, Spring Plunger	
115	4420039	AR	Tape, Non Skid	
116	1701612	3	Decal - JLG	
117	4160165	1	Spring, Gas Shock	
118		Ref	Cable, Eyelet Options:	
118	4460142	1	Cable, Eyelet (Prior to SN 01710)	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
118	2180821	1	Cable, Eyelet (SN 01710 to Present)	
119	4220160	1	Stop, Sleeve	
120	1060678	1	Cable, Gate Latch	
121	2820018	23 in/58cm	Tubing, Shrink	
122	4060803	AR	Shield, Flex-Trim	
123	4460121	1	Connector, Cap	

SECTION 4 - PLATFORM

FIGURE 4-5. QUICK-CHANGE PLATFORM INSTALLATION WITH GULLWING GATE (SN 02256 to Present)



SECTION 4 - PLATFORM

FIGURE 4-5. QUICK-CHANGE PLATFORM INSTALLATION WITH GULLWING GATE (SN 02256 to Present)

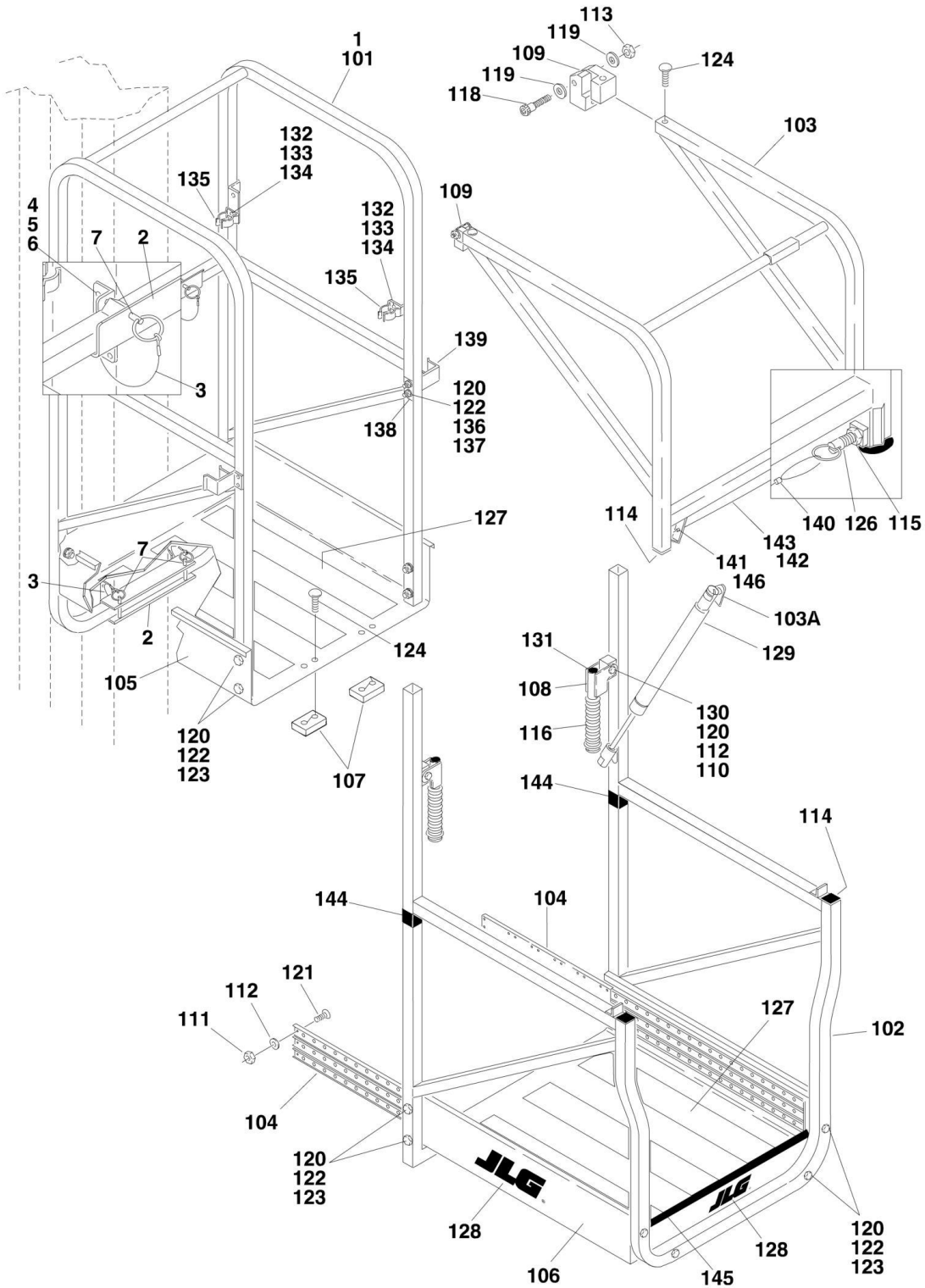
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM INSTALLATION OPTIONS:	
	0258603	Ref	Platform Installation 10VP & 15VP with 25in x 22in (63.5cm x 56cm) (Standard Machines)	1
	0258722	Ref	Platform Installation 10VP & 15VP with 25in x 22in (63.5cm x 56cm) (CSA Machines)	2
	0258600	Ref	Platform Installation 20VP with 25in x 22in (63.5cm x 56cm) (Standard Machines)	2
	0258700	Ref	Platform Installation 20VP with 25in x 22in (63.5cm x 56cm) (CSA Machines)	1
	0258602	Ref	Platform Installation 10VP & 15VP with 26in x 28in (66cm x 71cm) (Standard Machines)	1
	0258721	Ref	Platform Installation 10VP & 15VP with 26in x 28in (66cm x 71cm) (CSA Machines)	2
	0258599	Ref	Platform Installation 20VP with 26in x 28in (66cm x 71cm) (Standard Machines)	1
	0258699	Ref	Platform Installation 20VP with 26in x 28in (66cm x 71cm) (CSA Machines)	1
1		Ref	Platform Assembly (See Items 101-123 for Breakdown)	
1	0258587	1	25in X 22in (63.5cm x 56cm)	
1	0258588	1	26in X 28in (66cm x 71cm)	
2		Ref	Weldment, Platform Mount Options:	
2	4845807	1	Weldment, Platform Mount 10VP & 15VP - Standard and CSA Machines	
2	4845806	1	Weldment, Platform Mount 20VP - Standard and CSA Machines	
3	1060380	4	Cable, Lanyard	
4	0641408	8	Bolt 1/4in-20NC x 1in	
5	3311405	8	Locknut 1/4in-20NC	
6	4711400	16	Flatwasher 1/4in	
7	3422657	4	Pin, Ball Detent	
8		Ref	Weldment, Platform Mount Options:	
8	4845806	1	Weldment, Platform Mount 20VP - Standard Machines	
8	4845807	1	Weldment, Platform Mount 10VP & 15VP - Standard Machines	
8	4845847	1	Weldment, Platform Mount 10VP, 15VP & 20VP - CSA Machines	
		Ref	PLATFORM ASSEMBLY	
	0258587	Ref	25in X 22in (63.5cm x 56cm)	1
	0258588	Ref	26in X 28in (66cm x 71cm)	2
101		Ref	Weldment, Platform Rail Options:	
101	4845809	1	25in X 22in (63.5cm x 56cm)	
101	4845808	1	26in X 28in (66cm x 71cm)	
102		Ref	Weldment, Gullwing Gate Options:	
102	4845805	1	25in X 22in (63.5cm x 56cm)	
102	4845813	1	26in X 28in (66cm x 71cm)	
102A	0902877	1	Bracket, Spring (Welded on Part) (was p/n 0902395)	
103		Ref	Plate, Platform Pan Options:	
103	3570464	1	25in X 22in (63.5cm x 56cm)	
103	3570462	1	26in X 28in (66cm x 71cm)	
104	0641414	8	Bolt 1/4in-20NC x 1 3/4in	
105	4711400	16	Flatwasher 1/4in (Narrow)	
106	3311405	8	Locknut 1/4in-20NC	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
107	2600225	4	Hinge, Gate	
108	3311505	2	Locknut 5/16in-18NC	
109	3520072	4	Cap-Plug	
110	2940074	1	Latch	
111	3900258	8	Screw, Button Head 1/4in-20NC x 3/4in	
112	3900032	2	Bolt, Shoulder	
113	4711600	4	Flatwasher 3/8in (Narrow)	
114	0721006	4	Bolt 1/4in-20NC x 3/4in	
115	4420039	AR	Tape, Non Skid	
116	1701612	3	Decal - JLG	
117	4160165	1	Spring, Gas Shock	
118	4751000	8	Flatwasher #10	
120	3311005	4	Locknut #10-24NC	
121	3300356	2	Nut, Acorn 5/16in-18NC	
122	4060803	AR	Shield, Flex-Trim	

SECTION 4 - PLATFORM

FIGURE 4-6. QUICK-CHANGE PLATFORM INSTALLATION WITH EXTENSION - 20VP (Prior to SN 02256)



SECTION 4 - PLATFORM

FIGURE 4-6. QUICK-CHANGE PLATFORM INSTALLATION WITH EXTENSION - 20VP (Prior to SN 02256)

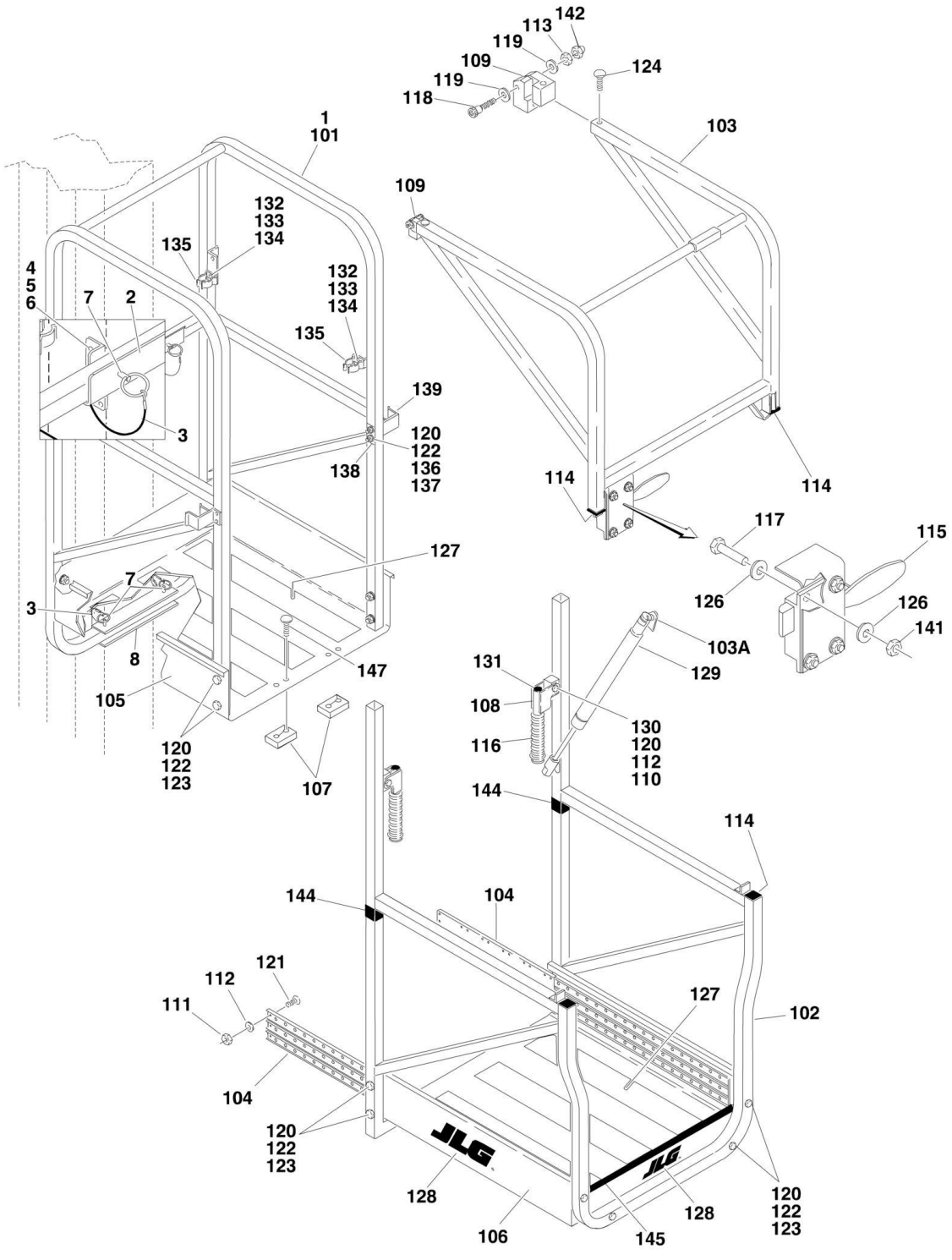
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM INSTALLATION OPTIONS:	
		Ref	Note: For use on 20VP Models only. "DO NOT" Install on other Models	
	0257621	Ref	Platform Installation 20VP with 26in x 50in (66cm x 127cm)	1
1	0257672	1	Platform Assembly (See Items 101-146 for Breakdown)	
2	4845537	2	Weldment, Platform Mount	
3	1060380	4	Cable, Lanyard	
4	0641408	8	Bolt 1/4in-20NC x 1in	
5	3311405	8	Locknut 1/4in-20NC	
6	4711400	16	Flatwasher 1/4in	
7	3422657	4	Pin, Ball Detent	
	2901551	1	Platform Kit (Includes Items with (2 to 7) asterisk)	
	0257672	Ref	PLATFORM ASSEMBLY	2
101	4845535	1	Weldment, Platform Rail (Stationary)	
102	4845536	1	Weldment, Platform Rail (Extension)	
103	4845545	1	Weldment, Gullwing Gate	
103A	0902395	1	Bracket, Spring (Welded on Part)	
104	2020005	1 Pair	Glides, Extension	
105	3570362	1	Pan, Floor (Stationary)	
106	3570274	1	Pan, Floor (Extension)	
107	3340829	2	Pad, Slide	
108	4845614	2	Handle	
109	2600225	4	Hinge, Gate	
110	3900200	2	Bolt, Shoulder	
111	3311005	64	Locknut #10-24NC	
112	4751000	66	Flatwasher #10	
113	3311505	2	Locknut 5/16in-18NC	
114	3520072	4	Cap-Plug	
115	3311802	1	Nut, Jam 1/2in-13NC	
116	2560154	2	Grip, Handle	
118	3900032	2	Bolt, Shoulder	
119	4711600	4	Flatwasher 3/8in (Narrow)	
120	3311405	22	Locknut 1/4in-20NC	
121	3900252	64	Screw, Button Head 1/4in-20NC	
122	4711400	40	Flatwasher 1/4in (Narrow)	
123	0641414	16	Bolt 1/4in-20NC x 1 3/4in	
124	3900251	8	Screw, Button Head 1/4in-20NC	
125	0100011	AR	Compound, Locking (Not Shown)	
126	3422658	1	Pin, Spring Plunger	
127	4420039	11.5 ft/3.5m	Tape, Non Skid	
128	1701612	3	Decal - JLG	
129	4160165	1	Spring, Gas Shock	
130	4711500	4	Flatwasher 5/16in (Narrow)	
131	3520030	2	Plug, Hole	
132	0720805	4	Screw #8-32NC x 5/8in	
133	4750800	8	Flatwasher #8	
134	3310805	4	Locknut #8-32NC	
135	1380132	4	Clip, Gripper	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
136	0641416	4	Bolt 1/4in-20NC x 2in	
137	3570653	2	Plate, Shim	
138	3570654	2	Plate, Backing	
139	4845657	2	Weldment, Stop	
140		Ref	Cable, Eyelet Options:	
140	4460142	1	Cable, Eyelet (Prior to SN 01710)	
140	2180821	1	Cable, Eyelet (SN 01710 to Present)	
141	4220160	1	Stop, Sleeve	
142	1060678	1	Cable, Gate Latch	
143	2820022	19 in/49cm	Tube, Vinyl	
144	4280296	10 in/25cm	Strip, Wear	
145	4060803	AR	Shield, Flex-Trim	
146	4460121	1	Connector, Cap	

SECTION 4 - PLATFORM

FIGURE 4-7. QUICK-CHANGE PLATFORM INSTALLATION WITH EXTENSION - 20VP (SN 02256 to Present)



SECTION 4 - PLATFORM

FIGURE 4-7. QUICK-CHANGE PLATFORM INSTALLATION WITH EXTENSION - 20VP (SN 02256 to Present)

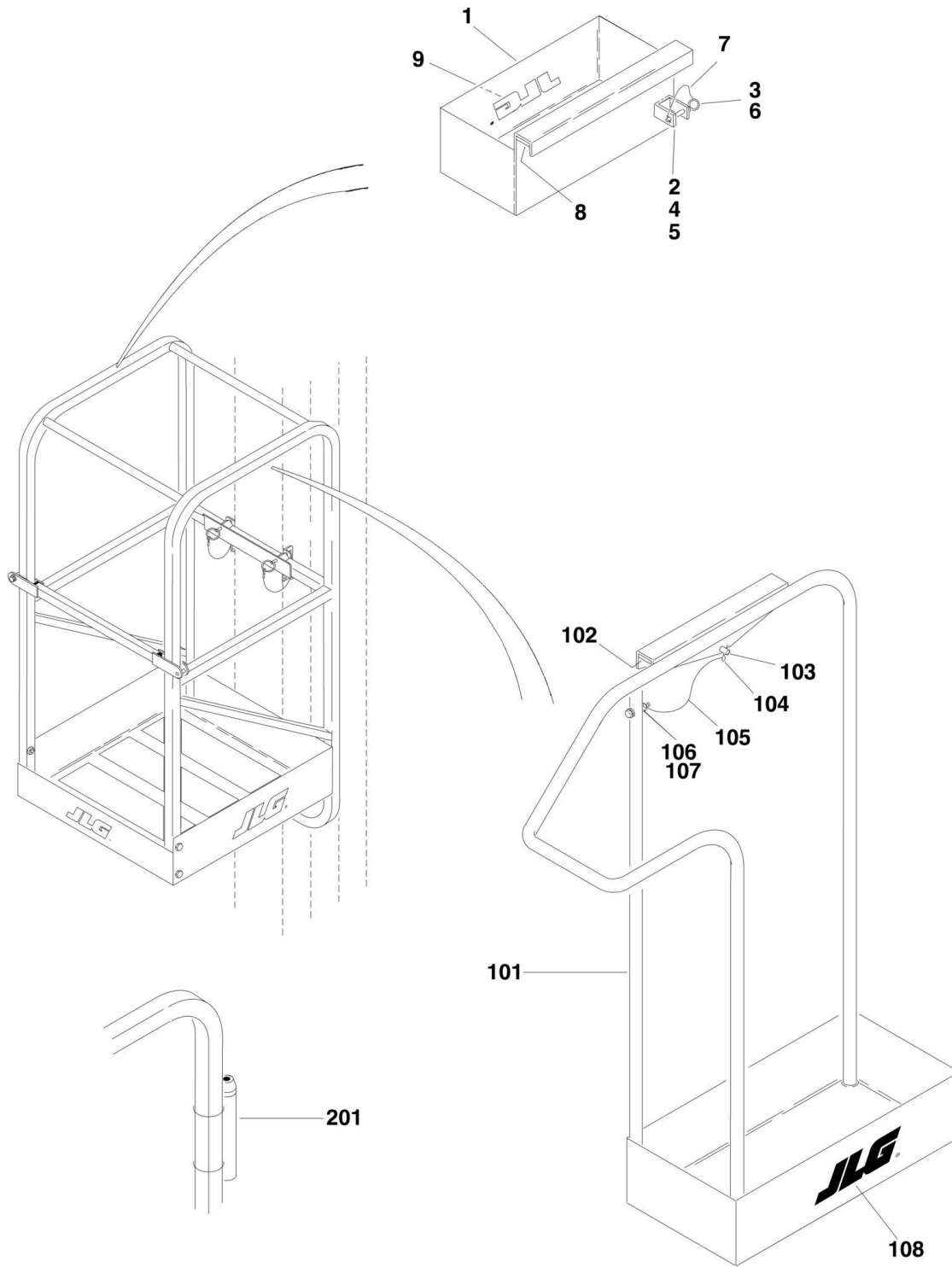
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	PLATFORM INSTALLATION OPTIONS:	
		Ref	Note: For use on 20VP Models only. "DO NOT" Install on other Models	
	0258597	Ref	Platform Installation 10VP & 20VP with 26in x 50in (66cm x 127cm) (Standard Machines)	1
	0258692	Ref	Platform Installation 20VP with 26in x 50in (66cm x 127cm) (CSA Machines)	1
1	0258586	1	Platform Assembly (See Items 101-146 for Breakdown)	
2	4845806	1	Weldment, Platform Mount	
3	1060380	4	Cable, Lanyard	
4	0641408	8	Bolt 1/4in-20NC x 1in	
5	3311405	8	Locknut 1/4in-20NC	
6	4711400	16	Flatwasher 1/4in	
7	3422657	4	Pin, Ball Detent	
8		Ref	Weldment, Platform Mount Options:	
8	4845806	1	Standard Machines	
8	4845847	1	CSA Machines	
	2901576	1	Platform Kit (Includes Items with (2 to 8) asterisk)	
	0258586	Ref	PLATFORM ASSEMBLY	7
101	4845810	1	Weldment, Platform Rail (Stationary)	
102	4845811	1	Weldment, Platform Rail (Extension)	
103	4845812	1	Weldment, Gate	
103A	0902877	1	Bracket, Spring (Welded on Part) (was p/n 0902395)	
104	2020005	1 Pair	Glides, Extension	
105	3570362	1	Pan, Floor (Stationary)	
106	3570274	1	Pan, Floor (Extension)	
107	3340829	2	Pad, Slide	
108	4845614	2	Handle	
109	2600225	4	Hinge, Gate	
110	3900200	2	Bolt, Shoulder	
111	3311005	64	Locknut #10-24NC	
112	4751000	66	Flatwasher #10	
113	3311505	2	Locknut 5/16in-18NC	
114	3520072	4	Cap-Plug	
115	2940074	1	Latch	
116	2560154	2	Grip, Handle	
117	0721006	4	Bolt #10-24NC x 3/4in	
118	3900032	2	Bolt, Shoulder	
119	4711600	2	Flatwasher 3/8in (Narrow)	
120	3311405	22	Locknut 1/4in-20NC	
121	3900252	64	Screw, Button Head 1/4in-20NC	
122	4711400	40	Flatwasher 1/4in (Narrow)	
123	0641414	16	Bolt 1/4in-20NC x 1 3/4in	
124	3900258	8	Screw, Button Head 1/4in-20NC x 3/4in	
125	0100011	AR	Compound, Locking (Not Shown)	
126	4751000	8	Flatwasher #10	
127	4420039	11 ft/3.4m	Tape, Non Skid	
128		Ref	Decal - JLG Options:	
128	1701612	3	Decal - JLG (Prior to SN 03609)	

SECTION 4 - PLATFORM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
128	1703681	3	Decal - JLG (SN 03609 to Present)	
129	4160165	1	Spring, Gas Shock	
130	4711500	4	Flatwasher 5/16in (Narrow)	
131	3520030	2	Plug, Hole	
132	0720805	4	Screw #8-32NC x 5/8in	
133	4750800	8	Flatwasher #8	
134	3310805	4	Locknut #8-32NC	
135	1380132	4	Clip, Gripper	
136	0641416	4	Bolt 1/4in-20NC x 2in	
137	3570653	2	Plate, Shim	
138	3570654	2	Plate, Backing	
139	4845657	2	Weldment, Stop	
141	3311005	4	Locknut #10-24NC	
142	3300356	2	Nut, Acorn 5/16in-18NC	
144	4280296	10 in/25cm	Strip, Wear	
145	4060803	2.2 ft/0.67m	Shield, Flex-Trim	
147		Ref	Screw, Button Head Options:	
147	3900258	4	Screw, Button Head 1/4in-20NC x 3/4in (Production)	
147	3900251	4	Screw, Button Head 1/4in-20NC x 3/8in (Post Production)	

SECTION 4 - PLATFORM

FIGURE 4-8. OPTIONAL PLATFORM COMPONENTS INSTALLATION



SECTION 4 - PLATFORM

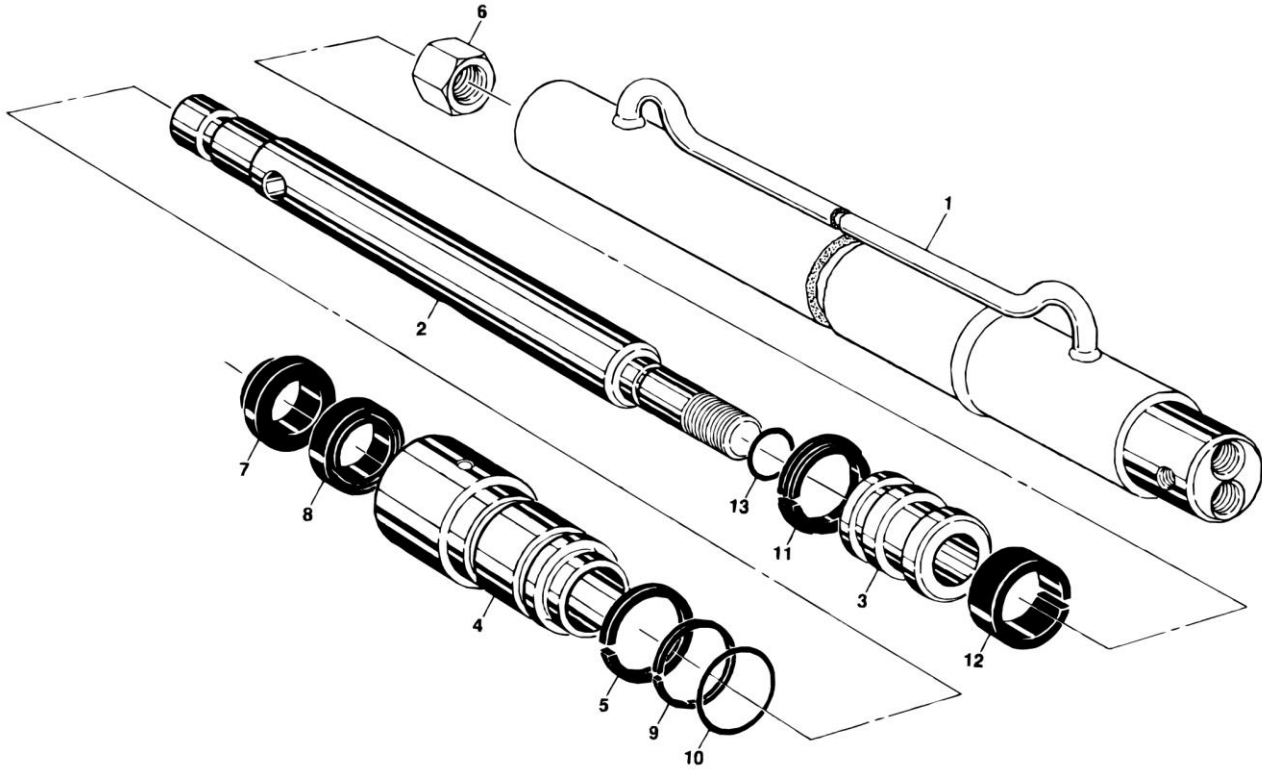
FIGURE 4-8. OPTIONAL PLATFORM COMPONENTS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	0255036	Ref	TOOL TRAY ASSEMBLY	
1		Ref	Tool Box Weldment (Recommend purchasing 0255036 in place of 0860947)	
2	0902079	1	Bracket, Mounting	
3	3421453	1	Pin, Snap	
4	3900204	2	Bolt, Carriage #10-24NC x 1/2in	
5	3300391	2	Wingnut #10-24NC	
6	3760170	1	Snap-Pin	
7	1060380	1	Cable, Lanyard	
8	4280296	4	Strip, Wear	
9	1702365	1	Decal - JLG	
	0255040	Ref	TUBE CADDY ASSEMBLY	
101		Ref	Tube Caddy Weldment (Recommend purchasing 0255040 in place of 4844840)	
102	4280296	2	Strip, Wear	
103	3421453	1	Pin, Snap	
104	3760170	1	Snap-Pin	
105	1060380	1	Cable, Lanyard	
106	0641410	1	Bolt 1/4in-20NC x 1 1/4in	
107	3311405	1	Locknut 1/4in-20NC	
108	1702365	1	Decal - JLG	
	0255853	Ref	LASER LOCATOR INSTALLATION	A
201	4566847	1	Tube, Mounting	
201	0750802	2	Screw #8 x 1/4in	
201	1320218	2	Clamp, Spring	
201	2920127	1	Pointer, Laser	
201	4460425	1	Connector, Strain Relief	

SECTION 5 - CYLINDER

SECTION 5 - CYLINDER

FIGURE 5-1. LIFT CYLINDER ASSEMBLY



SECTION 5 - CYLINDER

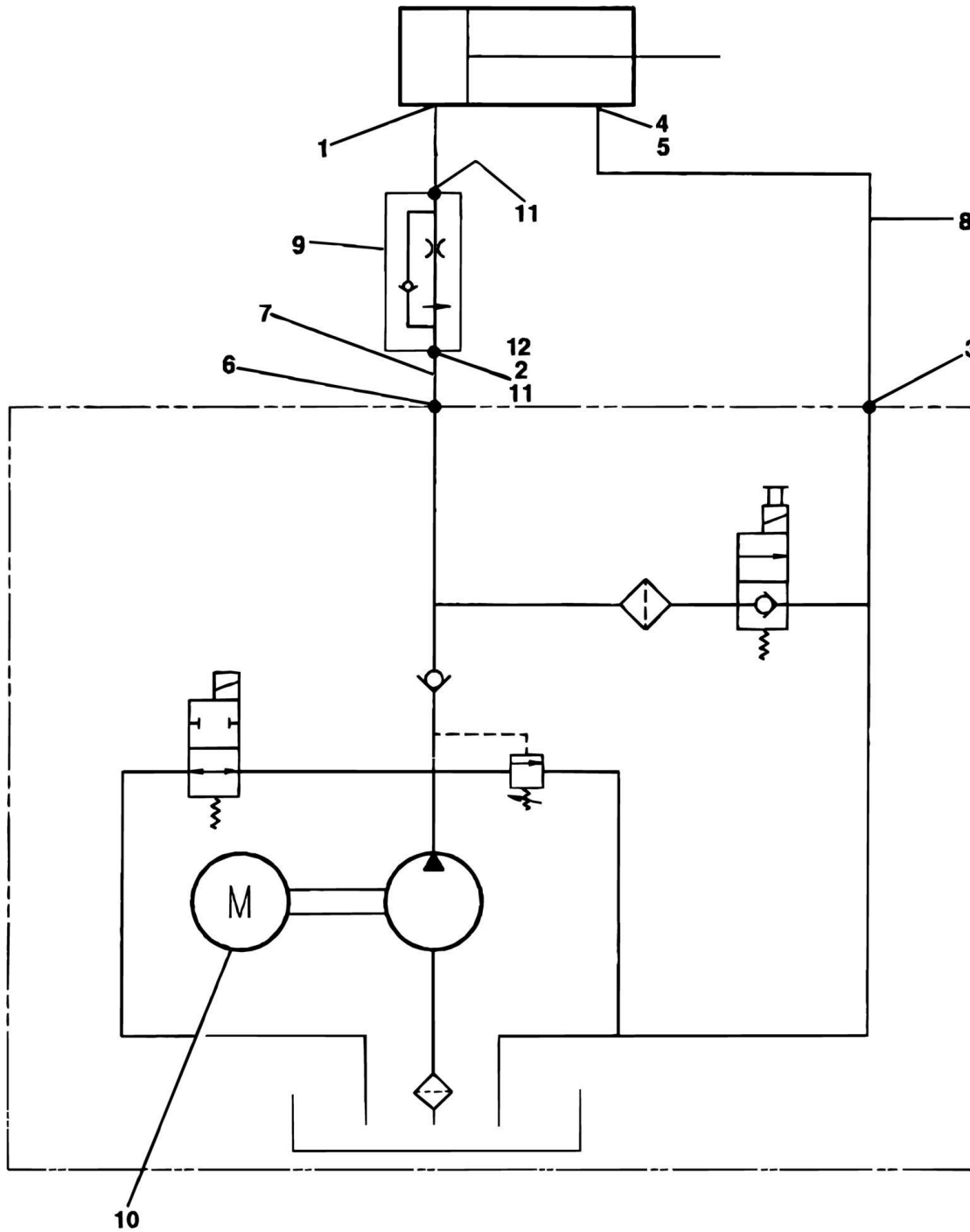
FIGURE 5-1. LIFT CYLINDER ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	1683201	Ref	LIFT CYLINDER ASSEMBLY	
1	Not Serviced	1	Barrel	
2	7003250	1	Rod	
3	7003249	1	Piston	
4	7003248	1	Head	
5	7003247	1	Ring, Retaining	
6	7003246	1	Locknut	
7	Kit	1	Wiper, Rod	
8	Kit	1	Seal, Rod	
9	Kit	1	Ring, Back-up	
10	Kit	1	O-Ring	
11	Kit	1	Seal, Piston	
12	Kit	1	Ring, Wear	
13	Kit	1	O-Ring	
	7003245	1	Seal Kit (Includes Items 7-13)	

SECTION 6 - HYDRAULIC

SECTION 6 - HYDRAULIC

FIGURE 6-1. HYDRAULIC DIAGRAM



SECTION 6 - HYDRAULIC

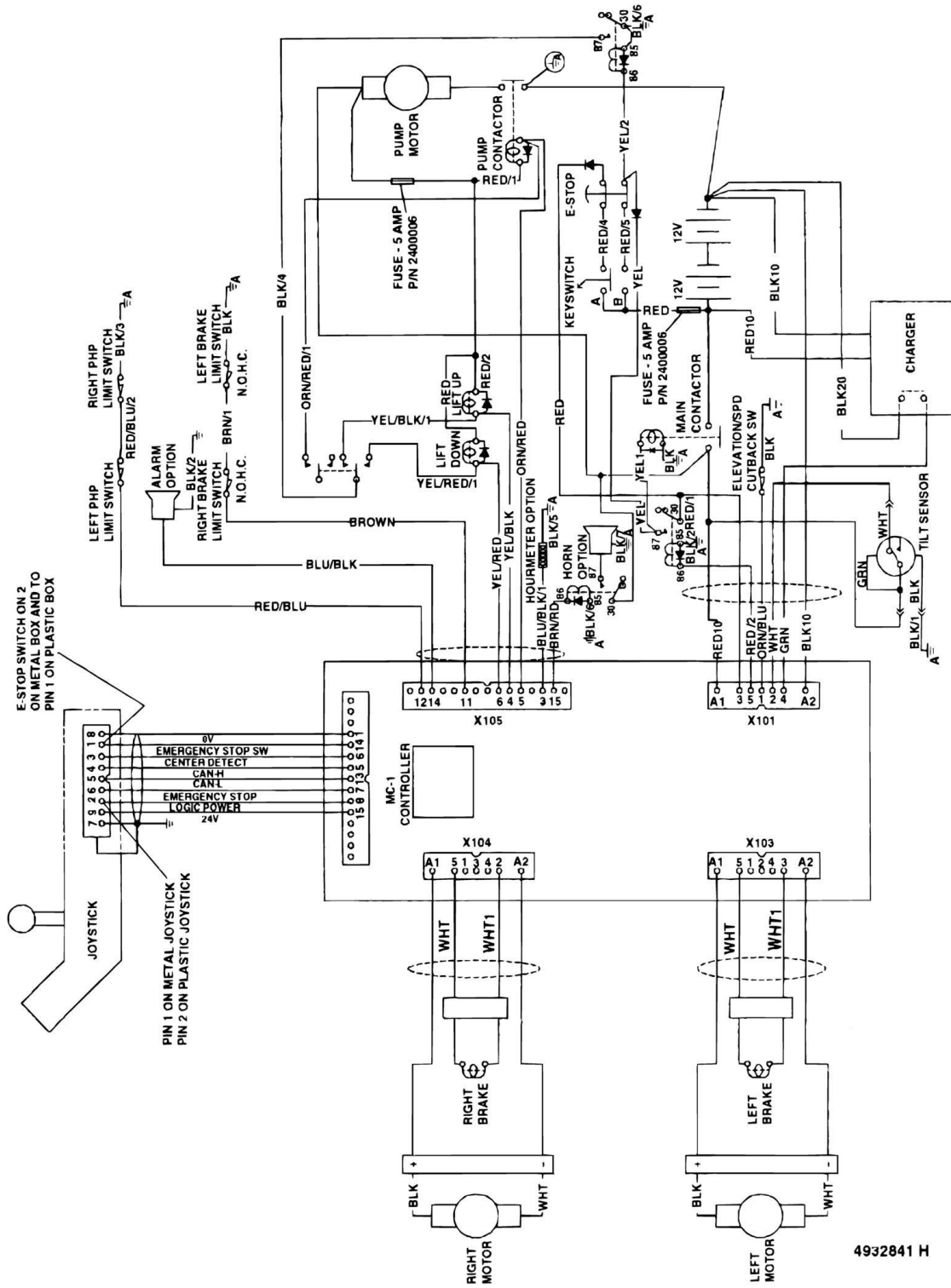
FIGURE 6-1. HYDRAULIC DIAGRAM

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	HYDRAULIC DIAGRAM OPTIONS:	
	2792252	Ref	Hydraulic Diagram 10VP & 15VP (Prior to SN 02289)	2
	2792373	Ref	Hydraulic Diagram 10VP & 15VP (SN 02289 to Present)	1
	2792253	Ref	Hydraulic Diagram 20VP (Prior to SN 02289)	2
	2792374	Ref	Hydraulic Diagram 20VP (SN 02289 to Present)	1
1	2220875	1	Fitting, 90	
2		Ref	Fitting, Straight Options:	
2	2221021	1	Fitting, Straight (Prior to SN 02289)	
2	2220416	1	Fitting, 90 (SN 02289 to Present)	
3	2220472	1	Fitting, 90	
4	2220603	1	Fitting, Straight	
5	2220507	1	Fitting, 90	
6	2220473	1	Fitting, 90	
7		Ref	Tube, Extension Options:	
7	4567186	1	Tube, Extension (Prior to SN 02289)	
7	4567634	1	Tube, Extension (SN 02289 to Present)	
8	4566950	1	Tube, Return	
9		Ref	Valve, Flow Control Options:	
9	4640956	1	Valve, Flow Control 10VP & 15VP	
9	4640900	1	Valve, Flow Control 20VP	
10		Ref	Pump/Motor/Tank Assembly Options: (See CONTROLS SECTION for Breakdown)	
10	3600254	1	Pump/Motor/Tank Assembly 10VP & 15VP	
10	3600255	1	Pump/Motor/Tank Assembly 20VP	
11	0100020	AR	Sealant, Pipe (Not Shown)	
12	2221022	1	Fitting, Straight (Prior to SN 02289)	

SECTION 7 - ELECTRICAL

SECTION 7 - ELECTRICAL

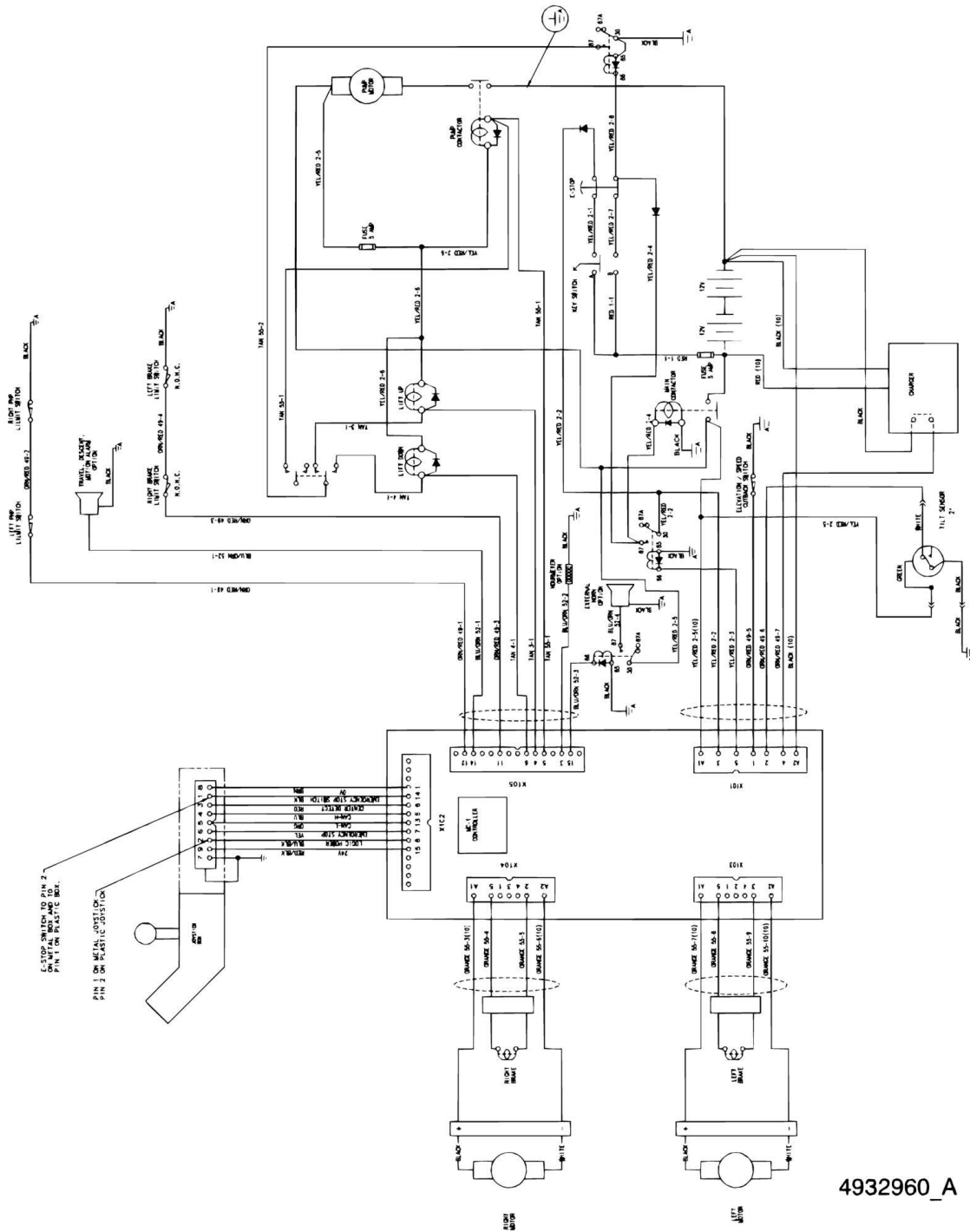
FIGURE 7-1. ELECTRICAL SCHEMATIC (Prior to SN 01491)



4932841 H

SECTION 7 - ELECTRICAL

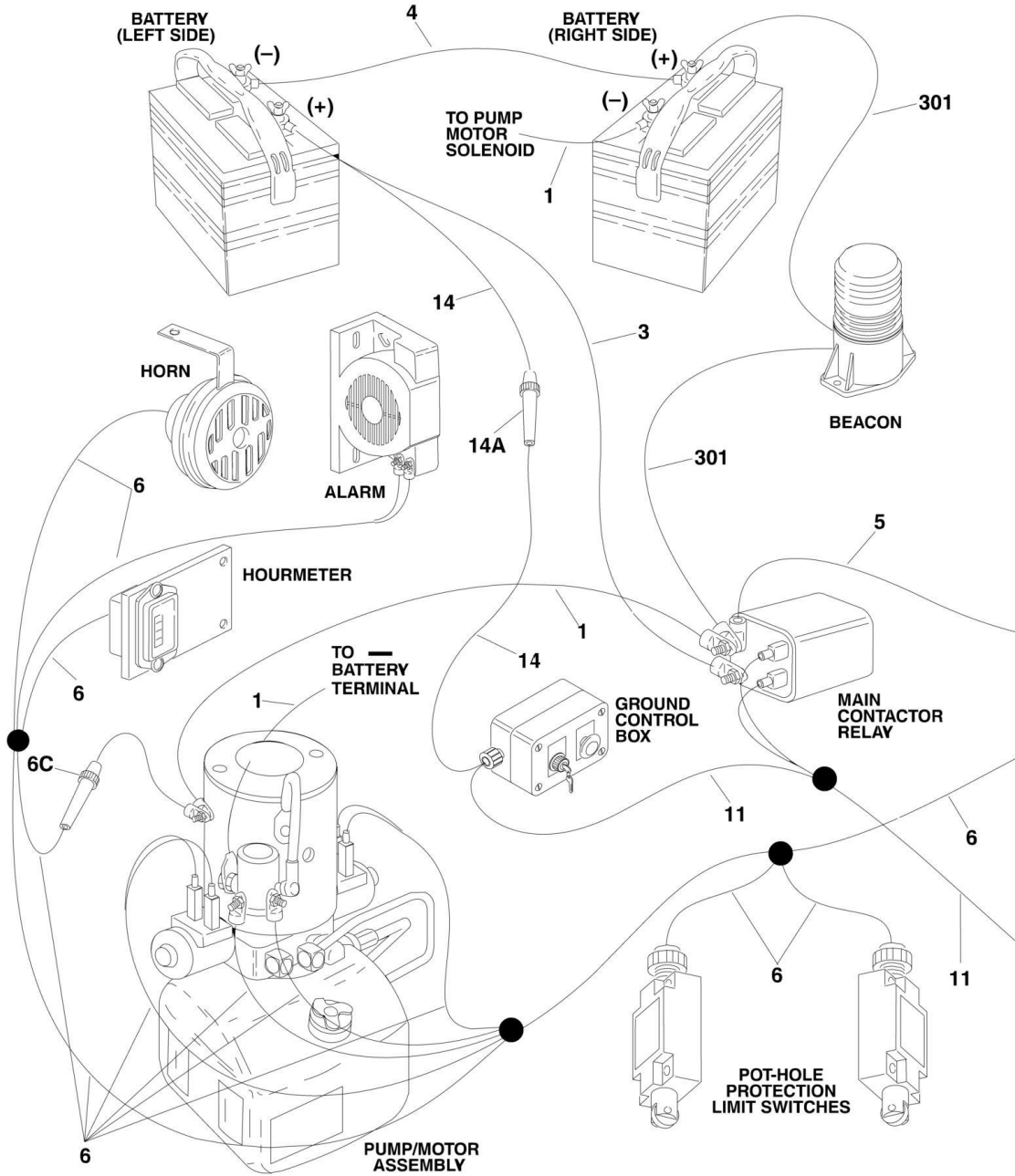
FIGURE 7-2. ELECTRICAL SCHEMATIC (SN 01491 to Present)



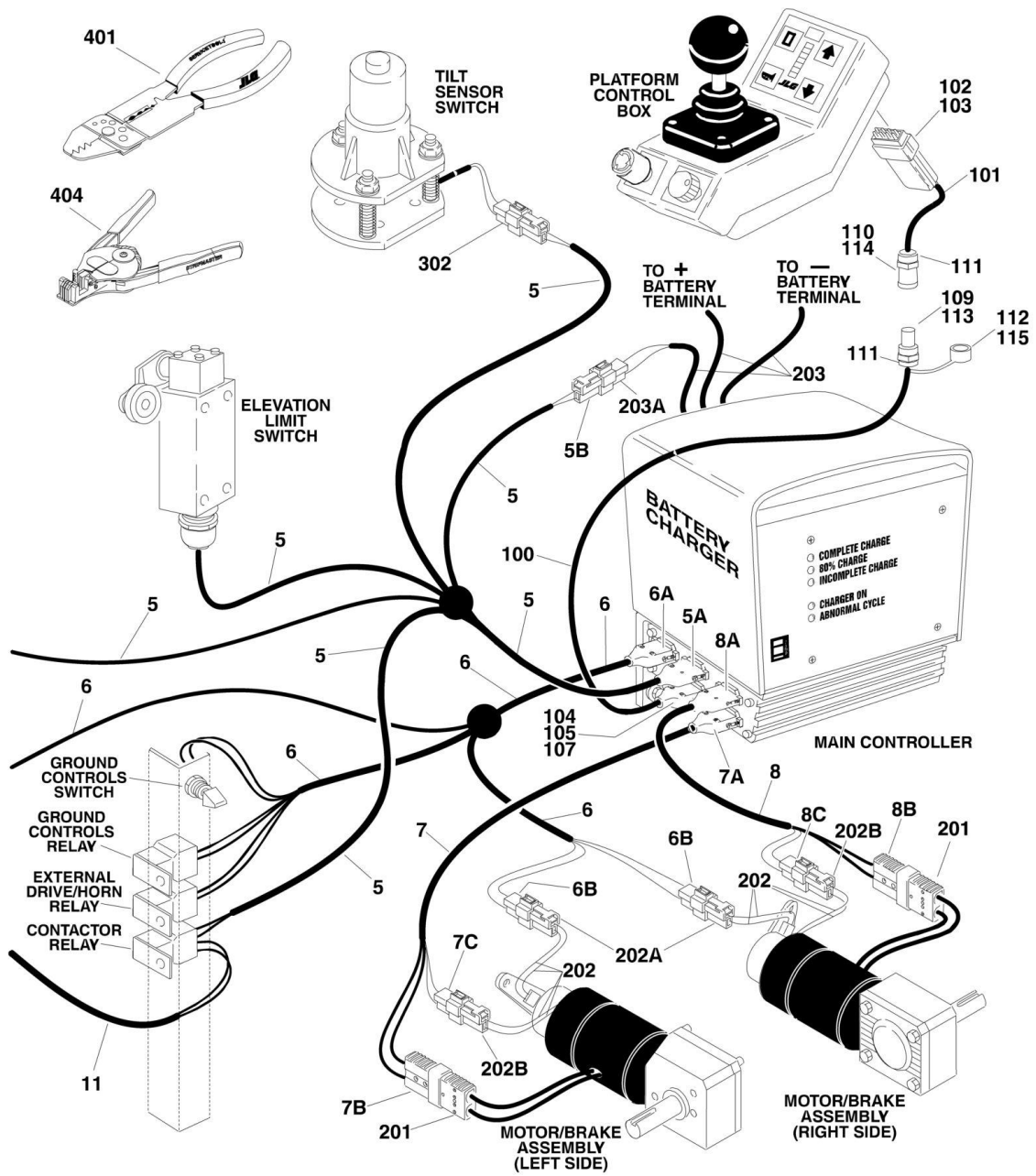
4932960_A

SECTION 7 - ELECTRICAL

FIGURE 7-4. HARNESS AND CABLES INSTALLATION (STANDARD MACHINES)



SECTION 7 - ELECTRICAL



SECTION 7 - ELECTRICAL

FIGURE 7-4. HARNESS AND CABLES INSTALLATION (STANDARD MACHINES)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	ELECTRICAL DIAGRAM - STANDARD OPTIONS:	
	4932841	Ref	Standard Machines (Prior to SN 01491)	H
	4932960	Ref	Standard Machines (SN 01491 to Present)	A
1	1060620	2	Cable, Battery - 21in	
3	1060619	1	Cable, Battery - 24in	
4	1060618	1	Cable, Battery - 40in	
5		Ref	Harness - Ground Control Options:	
5	4921826	1	Harness - Ground Control (Prior to SN 01491)	D
5	4921966	1	Harness - Ground Control (SN 01491 to Present)	3
5	3990010	2	Diode	
5A	4460646	1	Receptacle - 5 Pin	
5A	4460647	2	Shell, Receptacle	
5B	4460320	1	Connector, Female - 2 Position	
5B	4460268	2	Socket	
6		Ref	Harness, Valve and Limit Switch Options:	
6	4921825	1	Harness, Valve and Limit Switch (Prior to SN 01491)	H
6	4921965	1	Harness, Valve and Limit Switch (SN 01491 to Present)	3
6	3990010	5	Diode	
6A	4460681	1	Receptacle - 15 Pin	
6A	4460643	1	Shell, Receptacle	
6A	4460684	8	Socket	
6B	4460424	2	Connector, Male - 2 Position	
6B	4460267	2	Pin	
6B	4460268	2	Socket	
6C	2400006	1	Fuse - 5 Amp	
6C	4460044	1	Fuseholder	
7		Ref	Harness, Left Motor Options:	
7	4921824	1	Harness, Left Motor (Prior to SN 01491)	B
7	4921964	1	Harness, Left Motor (SN 01491 to Present)	1
7A	4460644	1	Receptacle - 5 Pin	
7A	4460645	2	Pin	
7B	4460648	1	Receptacle - 2 Position	
7C	4460320	1	Connector, Female	
7C	4460267	1	Pin	
7C	4460268	2	Socket	
8		Ref	Harness, Right Motor Options:	
8	4921823	1	Harness, Right Motor (Prior to SN 01491)	A
8	4921963	1	Harness, Right Motor (SN 01491 to Present)	1
8A	4460644	1	Receptacle - 5 Pin	
8A	4460645	2	Pin	
8B	4460648	1	Receptacle - 2 Position	
8C	4460320	1	Connector, Female	
8C	4460267	1	Pin	
8C	4460268	1	Socket	
11		Ref	Harness, Main Contactor	
11	4921948	1	Harness, Main Contactor (Prior to SN 01491)	
11	4921968	1	Harness, Main Contactor (SN 01491 to Present)	1
11	3990010	2	Diode - 6 Amp	
14		Ref	Harness, Key Switch Power	
14	4921888	1	Harness, Key Switch Power (Prior to SN 01491)	

SECTION 7 - ELECTRICAL

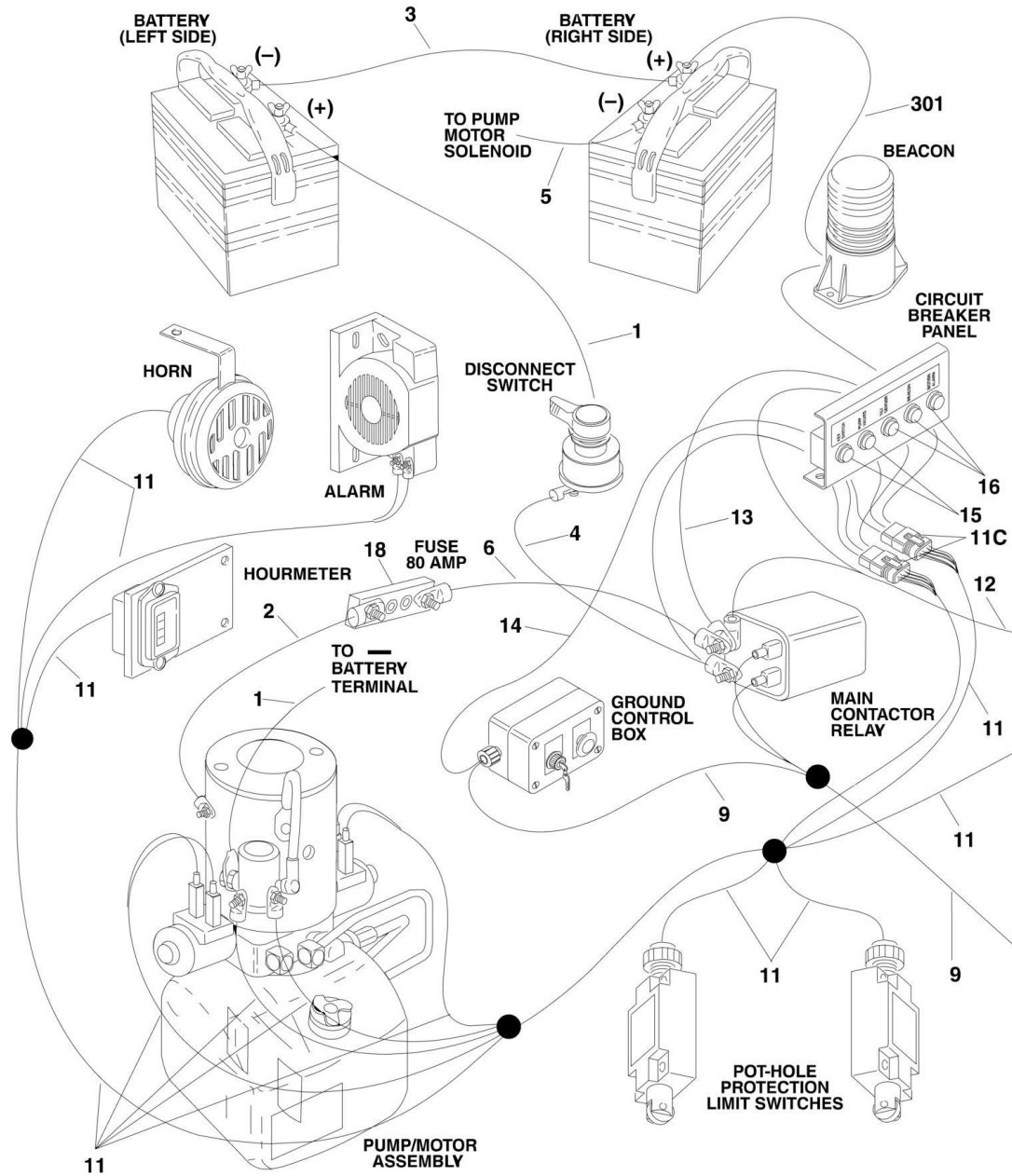
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
14	4921967	1	Harness, Key Switch Power (SN 01491 to Present)	1
14A	2400006	1	Fuse - 5 Amp	
14A	4460044	1	Fuseholder	
100		Ref	PLATFORM CONSOLE HARNESS ASSEMBLIES	
100	4922027	Ref	Platform Console Harness Assemblies 10VP (Prior to SN 02445)	1
100	4922201	Ref	Platform Console Harness Assemblies 10VP (SN 02445 to Present)	1
100	4922028	Ref	Platform Console Harness Assemblies 15VP (Prior to SN 02445)	1
100	4922202	Ref	Platform Console Harness Assemblies 15VP (SN 02445 to Present)	1
100	4922029	Ref	Platform Console Harness Assemblies 20VP (Prior to SN 02445)	1
100	4922203	Ref	Platform Console Harness Assemblies 20VP (SN 02445 to Present)	1
101	7020216	1	Harness, Connector (Includes Items 102, 103, 110, 111 & 114)	
101	1060616	AR	Cable, Electrical - 18/8	
102	4460671	1	Receptacle - 12 Position	
103	4460672	1	Pin, Female	
104	4460682	1	Receptacle - 15 Socket	
105	4460643	1	Shell, Receptacle (For 15 Socket Receptacle)	
107	4460683	8	Pin	
109	4460771	1	Plug, Male - 9 Position (SN 02445 to Present)	
110	4460772	1	Plug, Female - 9 Position (SN 02445 to Present)	
111	4460773	2	Backshell (SN 02445 to Present)	
112	4460774	1	Plug, Dust Cap (SN 02445 to Present)	
113	4460775	9	Pin, Male (SN 02445 to Present)	
114	4460776	9	Pin, Female (SN 02445 to Present)	
115	4240033	1	Tie Strap (SN 02445 to Present)	
		Ref	MISCELLANEOUS HARNESSES AND COMPONENTS	
201	4460648	2	Receptacle - 2 Position (Located at Drive Motor)	
202	Not Available	2	Harness Assembly - Brake	
202A	4460320	1	Connector, Female - 2 Position	
202A	4460268	1	Socket	
202A	4460267	1	Pin	
202B	4460424	1	Connector, Male - 2 Position	
202B	4460268	1	Socket	
202B	4460267	1	Pin	
203	7018567	1	DC Battery Charger Harness Assembly	
203A	7011621	1	Connector, Male - 2 Position	
203A	4460267	2	Pin	
		Ref	ACCESSORIES HARNESSES AND COMPONENTS	
301	Not Available	1	Beacon Light Harness Assembly	
302	4460445	1	Receptacle - 3 Position (Attach to #5 for Tilt Sensor)	
302	4460227	3	Pin	
302	4460227	3	Pin	
		Ref	TOOLS	
401	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
402	7002830	1	Extractor (For Removal of Pin/Socket from Connectors) (Not Shown)	
404	7002828	1	Stripper, Wire	

SECTION 7 - ELECTRICAL

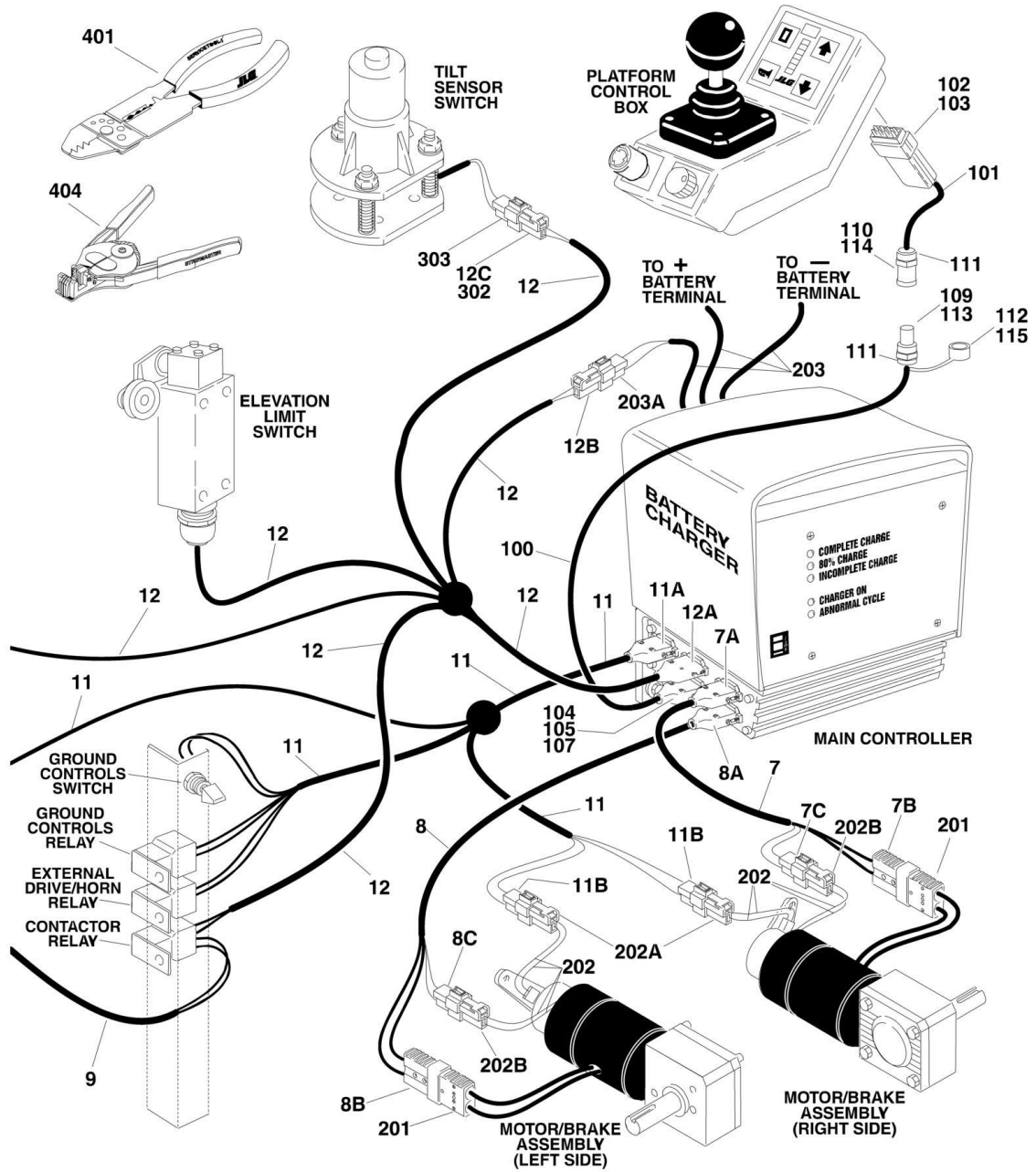
ITEM	PART NUMBER	QTY	DESCRIPTION	REV
405	7016618	1	Extractor, Pin (16-18 Gauge) (For Removal of Pin/Socket from Connectors at Control Box) (Not Shown)	

SECTION 7 - ELECTRICAL

FIGURE 7-5. HARNESS AND CABLES INSTALLATION (EE MACHINES) (SN 03094 to Present)



SECTION 7 - ELECTRICAL



SECTION 7 - ELECTRICAL

FIGURE 7-5. HARNESS AND CABLES INSTALLATION (EE MACHINES) (SN 03094 to Present)

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	4933134	Ref	ELECTRICAL DIAGRAM - EE MACHINES	A
1	1060829	1	Cable, Battery - 22in	
2	1060830	1	Cable, Battery - 26in	
3	1060831	1	Cable, Battery - 33in	
4	1060832	1	Cable, Battery - 12in	
5	1060833	1	Cable, Battery - 22in	
6	1060834	1	Cable, Battery - 12in	
7	4921963	1	Harness, Right Motor	1
7A	4460644	1	Receptacle - 5 Pin	
7A	4460645	2	Pin	
7B	4460648	1	Receptacle - 2 Position	
7C	4460320	1	Connector, Female - 2 Position	
7C	4460267	1	Pin	
7C	4460268	1	Socket	
8	4921964	1	Harness, Left Motor	1
8A	4460644	1	Receptacle - 5 Pin	
8A	4460645	2	Pin	
8B	4460648	1	Receptacle - 2 Position	
8C	4460320	1	Connector, Female	
8C	4460267	1	Pin	
8C	4460268	2	Socket	
9	4921968	1	Harness, Main Contactor	1
9	3990010	2	Diode - 6 Amp	
11	4922394	1	Harness, Valve and Limit	2
11	3990010	5	Diode	
11A	4460681	1	Receptacle - 15 Pin	
11A	4460643	1	Shell, Receptacle	
11A	4460684	8	Socket	
11B	4460424	2	Connector, Male - 2 Position	
11B	4460267	2	Pin	
11B	4460268	2	Socket	
11C	4460851	2	Connector, Male - 8 Position	
11C	4460466	3	Sealing Plug	
11C	4460465	13	Socket	
11C	4460852	2	Connector, Female - 8 Position	
12	4922395	1	Harness - Ground Control	2
12	3990010	2	Diode	
12A	4460646	1	Receptacle - 5 Pin	
12A	4460647	2	Shell, Receptacle	
12B	4460320	1	Connector, Female - 2 Position	
12B	4460268	2	Socket	
12C	4460445	1	Connector, Female - 3 Position	
12C	4460227	3	Socket	
13	4922397	1	Harness, Breaker Panel	
14	4922396	1	Harness, Key Switch Power	
15	4360112	2	Breaker, 5 Amp	
16	4360491	3	Breaker, 1 Amp	
18	2400045	1	Fuse, 80Amp	
100		Ref	PLATFORM CONSOLE HARNESS ASSEMBLIES	
100	4922201	Ref	Platform Console Harness Assemblies 10VP	1

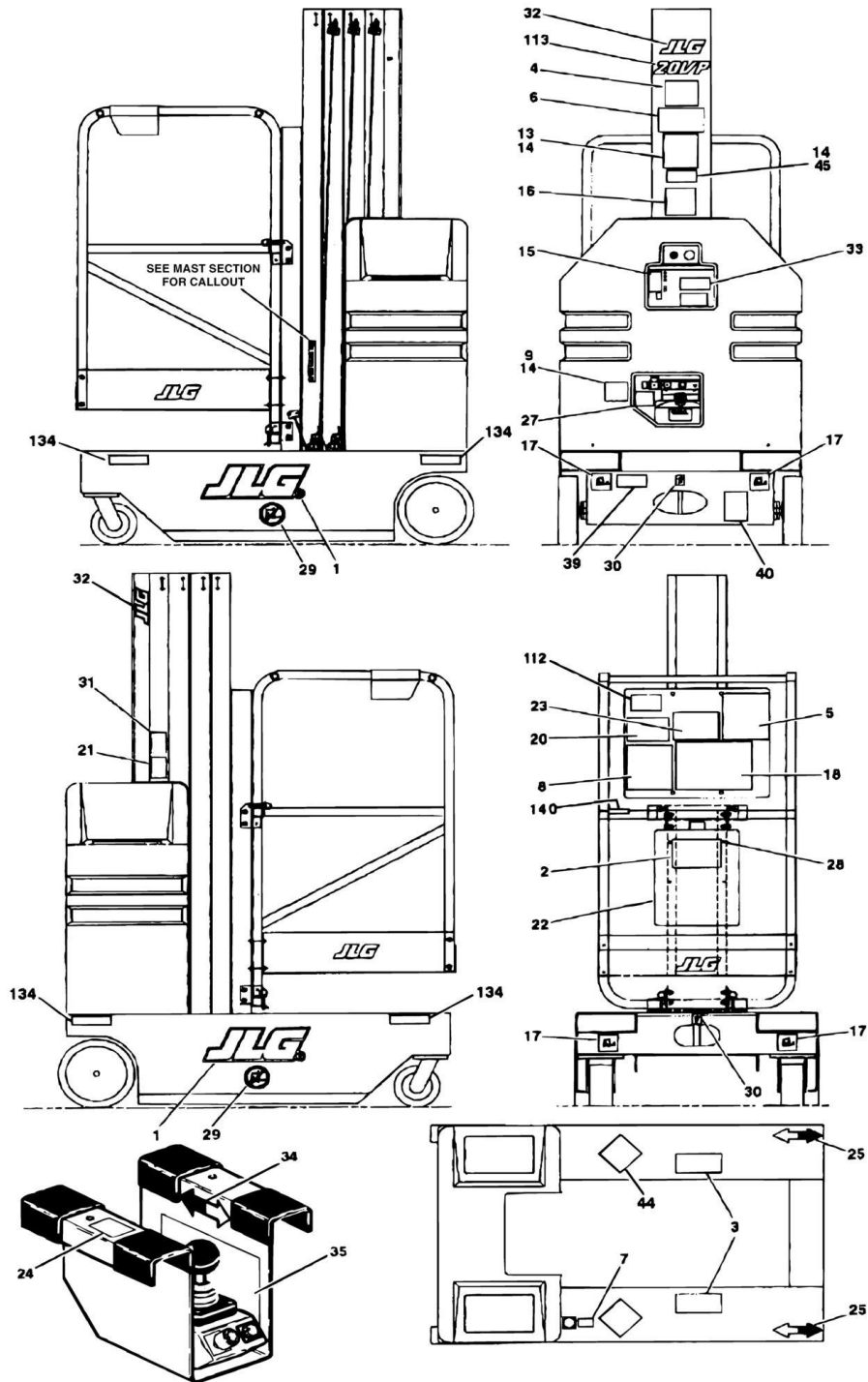
SECTION 7 - ELECTRICAL

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
100	4922202	Ref	Platform Console Harness Assemblies 15VP	1
100	4922203	Ref	Platform Console Harness Assemblies 20VP	1
101	7020216	1	Harness, Connector (Includes Items 102, 103, 110, 111 & 114)	
101	1060616	AR	Cable, Electrical	
102	4460671	1	Receptacle - 12	
103	4460672	1	Pin, Female	
104	4460682	1	Receptacle - 15 Socket	
105	4460643	1	Shell, Receptacle (For 15 Socket Receptacle)	
107	4460683	8	Pin	
109	4460771	1	Plug, Male - 9 Position	
110	4460772	1	Plug, Female - 9 Position	
111	4460773	2	Backshell	
112	4460774	1	Plug, Dust Cap	
113	4460775	9	Pin, Male	
114	4460776	9	Pin, Female	
115	4240033	1	Tie Strap	
		Ref	MISCELLANEOUS HARNESSSES AND COMPONENTS	
201	4460648	2	Receptacle - 2 Position (Located at Drive Motor)	
202	Not Available	2	Harness Assembly - Brake	
202A	4460320	1	Connector, Female - 2 Position	
202A	4460268	1	Socket	
202A	4460267	1	Pin	
202B	4460424	1	Connector, Male - 2 Position	
202B	4460268	1	Socket	
202B	4460267	1	Pin	
203	7018567	1	DC Battery Charger Harness Assembly	
203A	7011621	1	Connector, Male - 2 Position	
203A	4460267	2	Pin	
		Ref	ACCESSORIES HARNESSSES AND COMPONENTS	
301	Not Available	1	Beacon Light Harness Assembly	
302	4460445	1	Receptacle - 3 Position (Attach to #5 for Tilt Sensor)	
302	4460227	3	Pin	
303	4460326	1	Connector, Male - 3 Position	
303	4460226	3	Socket	
		Ref	TOOLS	
401	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
402	7002830	1	Extractor (For Removal of Pin/Socket from Connectors) (Not Shown)	
404	7002828	1	Stripper, Wire	
405	7016618	1	Extractor, Pin (16-18 Gauge) (For Removal of Pin/Socket from Connectors at Control Box) (Not Shown)	

SECTION 8 - DECALS

SECTION 8 - DECALS

FIGURE 8-1. DECALS INSTALLATION



SECTION 8 - DECALS

FIGURE 8-1. DECALS INSTALLATION

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
		Ref	DECAL INSTALLATIONS	
	0271136	Ref	JLG Logo Decals	1
	0257930	Ref	Standard Decals	8
	0257931	Ref	Latin American Spanish	3
	0257932	Ref	Brazil Spec Decals	3
	0258001	Ref	China Spec Decals	2
1	1703625	2	Decal - JLG	
2		Ref	Decal - Read Instructions	
2	1702110	1	Standard	
2	1702473	1	Latin American	
2	1703592	1	Brazil	
2	1703741	1	China	
3		Ref	Decal - Crushing Options:	
3	1702364	2	Standard	
3	1702492	2	Latin American	
3	1703598	2	Brazil	
3	1703742	2	China	
4	3251813	1	Decal - USA	
5		Ref	Decal - Electrocution Hazard Options:	
5	1702361	1	Standard	
5	1702453	1	Latin American Spanish	
5	1703595	1	Brazil	
5	1703743	1	China	
6		Ref	Decal - Daily Checklist Options:	
6	1702885	1	Standard	
6	1703062	1	Decal - Daily Checklist Options:	
6	1703602	1	Brazil	
6	1703744	1	China	
7		Ref	Decal - Leveling Options:	
7	1702886	1	Standard	
7	1703202	1	Latin American Spanish	
7	1703587	1	Brazil	
7	1703745	1	China	
8		Ref	Decal - Operation Options:	
8	1702887	1	Standard	
8	1703063	1	Latin American Spanish	
8	1703603	1	Brazil	
8	1703746	1	China	
9	1702922	1	Decal - Manual Decent (Prior to SN 03094)	
13	Not Available	1	Nameplate, Serial Number	
14		Ref	Rivet Options:	
14	3820006	8	Standard, Brazil and China	
14	3820031	8	Latin American Spanish	
15		Ref	Decal - Explosion/Fire Hazard Options:	
15	1702437	1	Standard	
15	1702524	1	Latin American Spanish	
15	1703601	1	Brazil	
15	1703747	1	China	
16	Not Available	1	Decal - Bar Code	
17	1703073	2	Decal - Fork Pockets	

SECTION 8 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
18	1702905	1	Decal - Joystick	
20		Ref	Decal - Brake Options:	
20	1703635	1	Standard	
20	1703646	1	Latin American Spanish	
20	1703659	1	Brazil	
20	1703748	1	China	
21		Ref	Decal - Brake Symbol Options:	
21	1703636	1	Standard	
21	1703653	1	Latin American Spanish	
21	1703660	1	Brazil	
21	1703749	1	China	
22	0860520	1	Box, Manual Storage	
23		Ref	Decal - Warning Options:	
23	1702282	1	Standard	
23	1703065	1	Latin American Spanish	
23	1703604	1	Brazil	
23	1703750	1	China	
24		Ref	Decal - Control Box Location Options:	
24	1703684	1	Standard	
24	1703685	1	Latin American Spanish	
24	1703686	1	Brazil	
24	1703751	1	China	
25	1703687	2	Decal - Arrow	
27	1702923	1	Decal - Ground Controls	
28	3820024	4	Rivet	
29	1703072	2	Decal - No Forklift	
30	1702300	2	Decal - Tie Down	
31		Ref	Decal - Tow/Winching Options:	
31	1703191	1	Standard (Prior to SN 01713)	
31	1703708	1	Standard (SN 01713 to Present)	
31	1703735	1	Latin American Spanish	
31	1703739	1	Brazil	
31	1703752	1	China	
32	1703681	3	Decal - JLG	
33	1703682	1	Decal - Charger Cord Location	
34	1703688	2	Decal - Arrow	
35		Ref	Decal - Operation Options:	
35	1703658	1	Standard	
35	1703711	1	Latin American Spanish	
35	1703716	1	Brazil	
35	1703753	1	China	
39	1704582	1	Decal - Manual Descent (SN 03094 to Present)	
40	1700584		Decal - Patent (Standard Machines Only) (SN 03247 to Present)	
44	1702251	1	Decal - (EE)	
45	3252331	1	Nameplate - Battery Info	
		Ref	Decal Kit Options:	
	2900922	1	Standard (Includes Items with 1, 2, 3, 4, 5, 6, 7, 8, 9, 15, 17, 18, 20, 21, 23, 24,25, 27, 29, 30, 31, 32, 33, 34, 35 & 45)	
	2900923	1	Latin American Spec (Includes Items with 1, 2, 3, 4, 5, 6, 7, 8, 9, 15, 17, 18, 20, 21, 23, 24, 25, 27, 29, 30, 31, 32, 33, 34, 35, & 45)	

SECTION 8 - DECALS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2900924	1	Brazil Spec (Includes Items with 1, 2, 3, 4, 5, 6, 7, 8, 9, 15, 17, 18, 20, 21, 23, 24, 25, 27, 29, 30, 31, 32, 33, 34, 35 & 45)	
	2910022	1	China Spec (Includes Items with 1, 2, 3, 4, 5, 6, 7, 8, 9, 15, 17, 18, 20, 21, 23, 24, 25, 27, 29, 30, 31, 32, 33, 34, 35, & 45)	
		Ref	OPTIONAL DECALS INSTALLATION	
112		Ref	Decal - Capacity Options:	
112		Ref	Fixed Platform Machines	
112	1703243		350Lbs (Standard Machines) (Prior to SN 02995)	
112	1704497		350Lbs/160kg (Standard, Latin American Spanish, Brazil and China Machines) (SN 02995 to Present)	
112	1703235		160kg (Latin American Spanish, Brazil and China Machines) (Prior to SN 02995)	
112		Ref	Extendible Platform Machines	
112	1703669		350/300Lbs (Standard Machines) (Prior to SN 02995)	
112	1703995		350/250Lbs (CSA Machines) (SN 02348 to Present)	
112	1704496		350/300Lbs 160/135kg (Standard, Latin American Spanish, Brazil and China Machines) (SN 02995 to Present)	
112	1703672		160/135kg (Latin American Spanish, Brazil and China Machines) (Prior to SN 02995)	
113		Ref	Decal - Model Designation Options:	
113	1702881	1	Decal - Model Designation 10VP	
113	1702882	1	Decal - Model Designation 15VP	
113	1702883	1	Decal - Model Designation 20VP	
134		Ref	Decal - Wheel Load Options (SN 02995 to Present)	
134	1704498	4	Decal - Wheel Load 10VP	
134	1704499	4	Decal - Wheel Load 15VP	
134	1704500	4	Decal - Wheel Load 20VP	
140		Ref	Decal - Extension Capacity Options:	
140	1703692	1	Standard	
140	1704009	1	CSA (SN 02348 to Present)	
140	1703726	1	Latin American Spanish and Brazil (SN 01924 to Present)	
140	1703727	1	Brazil (Prior to SN 01924)	
140	1703729	1	China	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-1. 10VP/15VP/20VP STANDARD PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	1	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	
	7014117	1	Switch, Micro, (for fleets of 1 to 10)	
	7014117	1	Switch, Micro, (for fleets of 10 to 20)	
	7014117	1	Switch, Micro, (for fleets of 20 or more)	
	3740130	1	Relay 100-Amp, (for fleets of 1 to 10)	
	3740130	1	Relay 100-Amp, (for fleets of 10 to 20)	
	3740130	1	Relay 100-Amp (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)	
	3740069	1	Relay, Power 24 VDC, (for fleets of 1 to 10)	
	3740069	1	Relay, Power 24 VDC, (for fleets of 10 to 20)	
	3740069	1	Relay, Power 24 VDC, (for fleets of 20 or more)	
	7020078	1	Switch, Push-Turn, (for fleets of 1 to 10)	
	7020078	1	Switch, Push-Turn, (for fleets of 10 to 20)	
	7020078	1	Switch, Push-Turn, (for fleets of 20 or more)	
	4360471	1	Switch, Key, (for fleets of 1 to 10)	
	4360471	1	Switch, Key, (for fleets of 10 to 20)	
	4360471	1	Switch, Key, (for fleets of 20 or more)	
	7020174	1	Key, Replacement, (for fleets of 1 to 10)	
	7020174	1	Key, Replacement, (for fleets of 10 to 20)	
	7020174	1	Key, Replacement, (for fleets of 20 or more)	
	1600304	1	Control Box Assembly, (for fleets of 1 to 10)	
	1600304	1	Control Box Assembly, (for fleets of 10 to 20)	
	1600304	1	Control Box Assembly, (for fleets of 20 or more)	
	7011509	1	Breaker, Circuit - DC, (for fleets of 1 to 10)	
	7011509	1	Control Box Assembly, (for fleets of 10 to 20)	
	7011509	1	Control Box Assembly, (for fleets of 20 or more)	
	7018514	1	Breaker, Circuit - AC, (for fleets of 1 to 10)	
	7018514	1	Breaker, Circuit - AC, (for fleets of 10 to 20)	
	7018514	1	Breaker, Circuit - AC, (for fleets of 20 or more)	
	7018506	1	Relay, (for fleets of 1 to 10)	
	7018506	1	Relay, (for fleets of 10 to 20)	
	7018506	1	Relay, (for fleets of 20 or more)	
	7013723	4	Filter - Hydraulic, (for fleets of 1 to 10)	
	7013723	8	Filter - Hydraulic, (for fleets of 10 to 20)	
	7013723	12	Filter - Hydraulic, (for fleets of 20 or more)	
	7016714	1	Breather, (for fleets of 1 to 10)	
	7016714	2	Breather, (for fleets of 10 to 20)	
	7016714	3	Breather, (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)	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	2400006	2	Fuse - 5 Amp, (for fleets of 1 to 10)	
	2400006	2	Fuse - 5 Amp, (for fleets of 10 to 20)	
	2400006	2	Fuse - 5 Amp, (for fleets of 20 or more)	
	4360112	1	Breaker, 5 Amp, (for fleets of 1 to 10)	
	4360112	1	Breaker, 5 Amp, (for fleets of 10 to 20)	
	4360112	1	Breaker, 5 Amp, (for fleets of 20 or more)	
	4360491	1	Breaker, 1 Amp, (for fleets of 1 to 10)	
	4360491	1	Breaker, 1 Amp (for fleets of 10 to 20)	
	4360491	1	Breaker, 1 Amp, (for fleets of 20 or more)	
	2400045	1	Fuse - 80 Amp, (for fleets of 1 to 10)	
	2400045	1	Fuse - 80 Amp, (for fleets of 10 to 20)	
	2400045	1	Fuse - 80 Amp, (for fleets of 20 or more)	

SECTION 9 - RECOMMENDED SERVICE PARTS STOCK

FIGURE 9-2. 10VP/15VP/20VP VARIABLE PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION	REV
	Note	1	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	
	4360456	1	Switch, Limit, (for fleets of 1 to 10)	
	4360456	1	Switch, Limit, (for fleets of 10 to 20)	
	4360456	1	Switch, Limit, (for fleets of 20 or more)	
	4360465	1	Switch, Tilt, (for fleets of 1 to 10)	
	4360465	1	Switch, Tilt, (for fleets of 10 to 20)	
	4360465	1	Switch, Tilt, (for fleets of 20 or more)	
	4360437	1	Switch, Limit, (for fleets of 1 to 10)	
	4360437	1	Switch, Limit, (for fleets of 10 to 20)	
	4360437	1	Switch, Limit, (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 accomodate machines ordered with special equipment. Options may not be applicable to all models. For more specific parts information contact JLG Parts Department.	
		Ref	CABLES AND CONTROLS (JAPANESE) (RESTRICTED HEIGHT)	
	0257625	Ref	Cables and Controls 10VP	
	0257611	Ref	Cables and Controls 15VP	
	0257602	Ref	Cables and Controls 20VP	
	0256789	Ref	CAMERA MOUNT ASSEMBLY	
	0400165	Ref	CHARGER, BATTERY - JAPANESE SPEC	
	1670815	Ref	COVER - TRAVEL/STORAGE	
	0256719	Ref	DECAL INSTALLATION - CSA	
	0271120	Ref	DECAL INSTALLATION - SUNBELT	
	0270949	Ref	DECAL INSTALLATION - UNITED RENTALS	
	0257938	Ref	DECAL INSTALLATION - JAPANESE SPEC	
	2910021	Ref	DECAL KIT - JAPANESE SPEC	
		Ref	DECALS JAPANESE SPEC	
	1703728	1	Extension Capacity - 135kg	
	1703637	1	Model Designation - 14VP (Restricted Height)	
	1703639	1	Model Designation - 18VP (Restricted Height)	
		Ref	MAST (JAPANESE) (RESTRICTED HEIGHT)	
	0801121	Ref	Mast 10VP	
	0801116	Ref	Mast 15VP	
	0801114	Ref	Mast 20VP	
	0258799	Ref	MATERIAL TRAY	
		Ref	TOOLS	
	0080229	1	Adapter, Torque Setting Socket (To Set Slip-Clutch Torque)	
	2900868	1	Computer Analyzer Kit (Includes Analyzer, Cable and Instruction Sheet)	
	7002821	1	Crimper (For Wire to Pin/Socket Connections)	
	7002830	1	Extractor (For Removal of Pin/Socket from Connectors)	
	7016654	1	Screwdriver, Magnetic	
	7004275	1	Seal Tool - 1in	
	7004276	1	Seal Tool - 1 1/2in	
	7002826	1	Seal Tool - 2in	
	7002828	1	Stripper, Wire	

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