



Illustrated Parts Manual

Models

1532E2

1932E2

2032E2

2632E2

2646E2

3246E2

3120738

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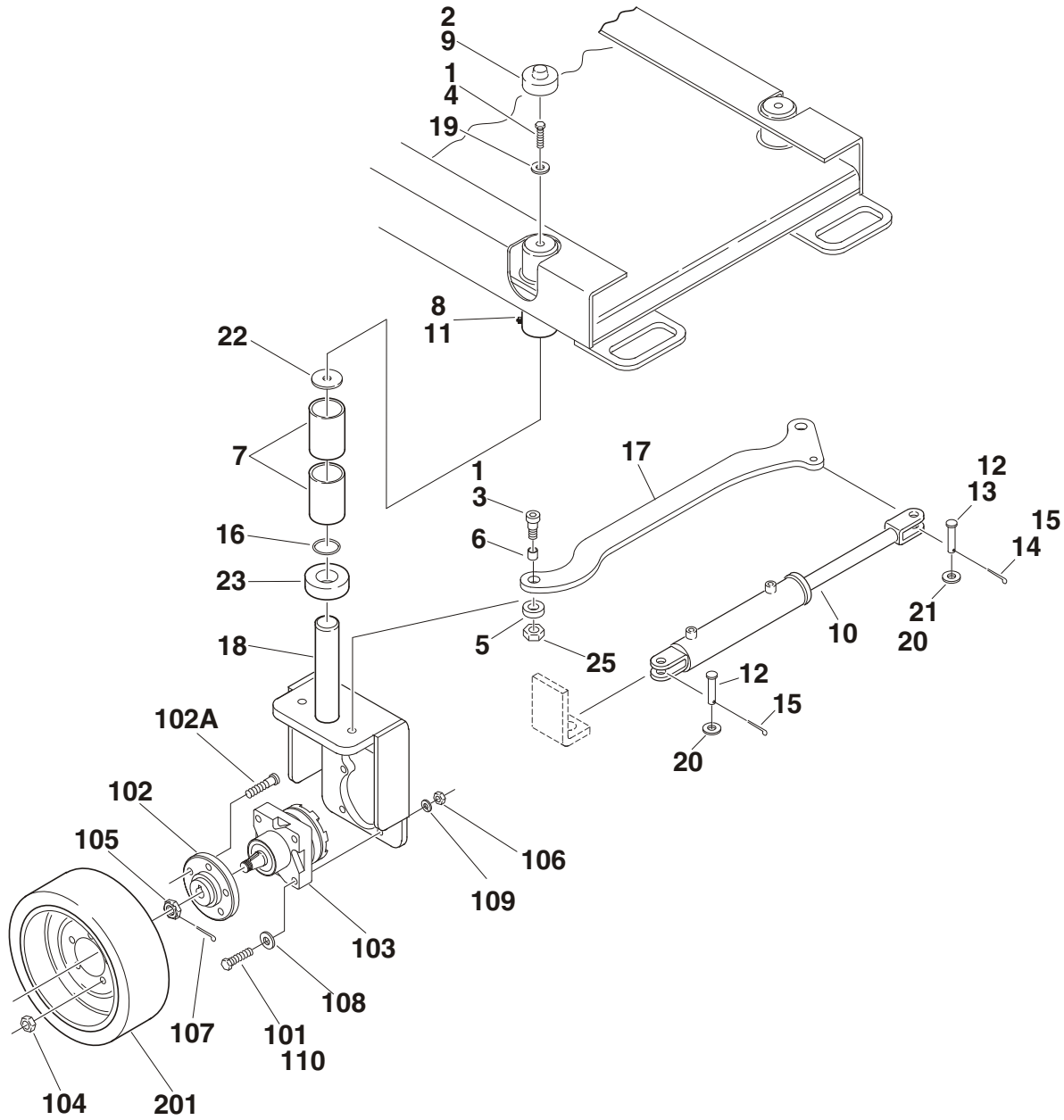
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FIGURE 1-1. WHEEL DRIVE AND STEERING INSTALLATION - 1532E2 & 1932E2



SECTION 1 FRAME

FIGURE 1-1. WHEEL DRIVE AND STEERING INSTALLATION - 1532E2 & 1932E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0258015	STEERING INSTALLATION	Ref.	J
1	0100019	Loctite #271	A/R	
2	0100081	Loctite #454	A/R	
3	0630516	Bolt, Shoulder	2	
4	0641611	Bolt 3/8"-16NC x 1 3/8"	2	
5	0962208	Spacer, Bushing	2	
6	0962173	Bushing	2	
7	0962174	Bushing	4	
8	1120064	Cap, Grease Fitting (Prior to S/N 84437)	2	
9	1120515	Cap, Plastic	2	
10		Steer Cylinder Assembly (See Section 5 for Breakdown)	1	
	Use 1684225	Prior to S/N 67287 (Was P/N 1683661) S/N 67287 to S/N 108168 (Was P/N 1683832) S/N 108168 to Present		
11	2160006	Fitting, Grease (Prior to S/N 84437)	2	
12	3430811	Pin, Clevis	A/R	
13	3431014	Pin, Clevis (Prior to S/N 50027)	1	
14	3450404	Pin, Cotter 1/8" x 1" (Prior to S/N 50027)	1	
15	3450406	Pin, Cotter 1/8" x 1 1/2"	A/R	
16	3790218	O-Ring (Prior to S/N 101149)	2	
17	3841378	Tie-Rod	1	
18	4130356	Spindle	2	
19	4711600	Flatwasher 3/8" Narrow	2	
20	4711800	Flatwasher 1/2" Narrow	A/R	
21	4712000	Flatwasher 5/8" Narrow (Prior to S/N 50027)	2	
22	4740419	Thrustwasher	2	
23		Collar:	2	
	Use 1440329	Prior to S/N 99064(1932E2)/ Prior to June 13, 2001(1532E2)(Was P/N 1440326)		
	1440329	S/N 99064 to Present (1932E2)/ June 13, 2001to Present (1532E2)		
24	3020025	Grease (Not Shown) (Prior to S/N 108196)	A/R	
25	3312002	Jam Nut (S/N 103651 to Present)	2	
		WHEEL DRIVE INSTALLATION OPTIONS:	Ref.	
	0258171	(Prior to S/N 90870)	Ref.	F
	0271221	(S/N 90870 to Present)	Ref.	A
101		Bolt Options:	8	
	0641824	Bolt 1/2"-13NC x 3" (Prior to S/N 49303)		
	0681822	Bolt 1/2"-13NC x 2 3/4" (S/N 49303 to Present)		
102	2780216	Hub Assembly	2	
102A	7012613	Bolt, Wheel (5 Per Hub)	10	
103		Drive Motor Assembly Options:	2	
	3160229	(Prior to S/N 90870)		
	7018996	Key, Shaft	1	
	7018997	Nut, Castle	1	

SECTION 1 FRAME

FIGURE 1-1. WHEEL DRIVE AND STEERING INSTALLATION - 1532E2 & 1932E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
103 (cont'd)	7021312	Seal, Shaft Oil (Inner Seal)	1	
	7021317	Seal, Dust (Outer Seal)	1	
	3160269	(S/N 90870 to Present) (See Figure 1-2 for Breakdown)		
104	3300255	Nut, Wheel	10	
105	See Note	Nut (Note: See Breakdown of Individual Motor)	2	
106		Hardware Options:	8	
	3271805	Locknut 1/2"-13NC (Grade 8) (Prior to S/N 49303)		
	3311801	Nut 1/2"-13NC (S/N 49303 to S/N 84080)		
	3300450	Nut 1/2"-13NC (S/N 84080 to Present)		
107	3450406	Pin, Cotter 1/8" x 1 1/2"	2	
108	Use 4740453	Flatwasher 1/2" Narrow (Was P/N 4891800 Prior to S/N 90870)	8	
109	4761800	Lockwasher 1/2" (S/N 49303 to S/N 84080)	8	
110	0100019	Loctite #271 (Prior to S/N 84080)	A/R	
		TIRE AND WHEEL INSTALLATIONS	Ref.	
	0258167	Black Tire and Wheel Installation	Ref.	1
	0258166	Gray Non-Marking Tire and Wheel Installation	Ref.	1
201		Tire Options:	4	
	4860180	Standard Black	A/R	
	4860182	Non-Marking Gray	A/R	
		FRAME OPTIONS	1	
	2360459	ANSI Machines (Prior to S/N 50363)		
	2360482	ANSI Machines (S/N 50363 to Present)		
	2360482	CSA Spec Machines		

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FIGURE 1-1. WHEEL DRIVE AND STEERING INSTALLATION - 1532E2 & 1932E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

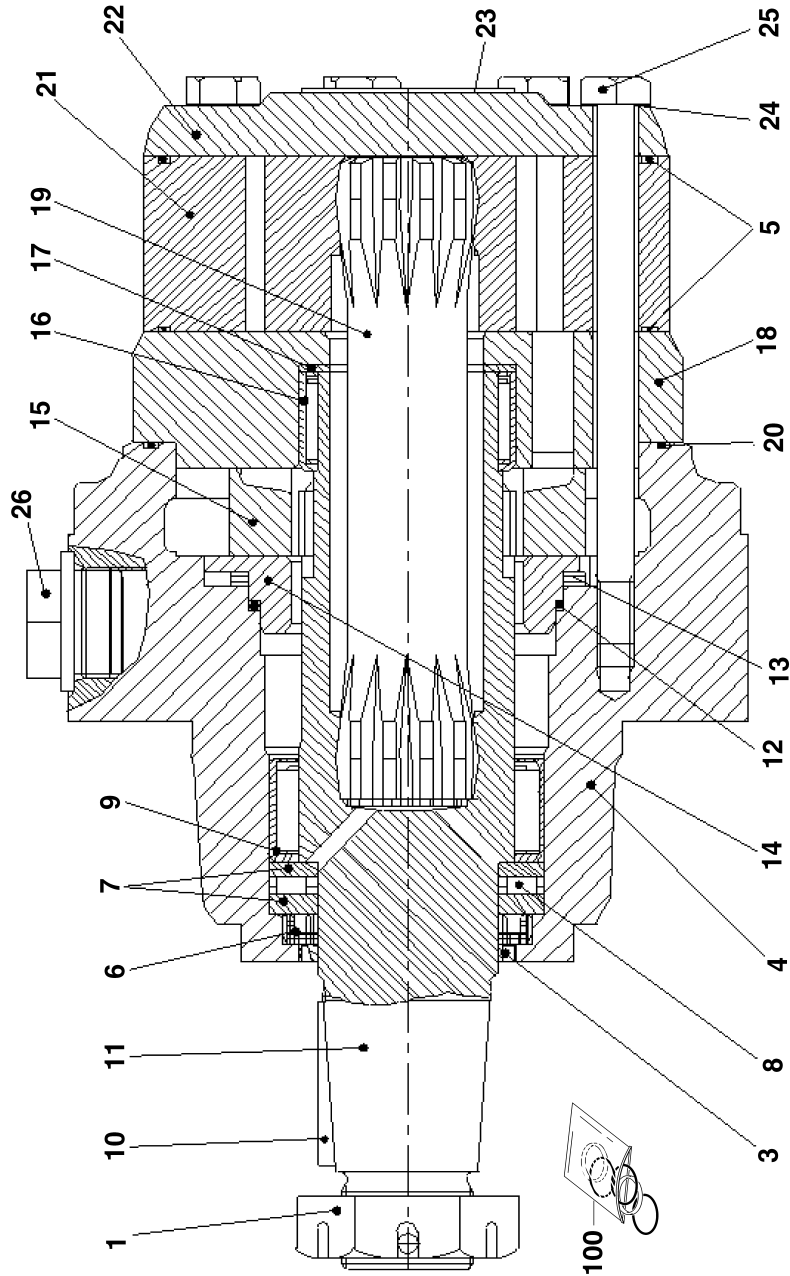
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FIGURE 1-2. DRIVE MOTOR ASSEMBLY - 1532E2 & 1932E2 (S/N 90870 TO PRESENT)



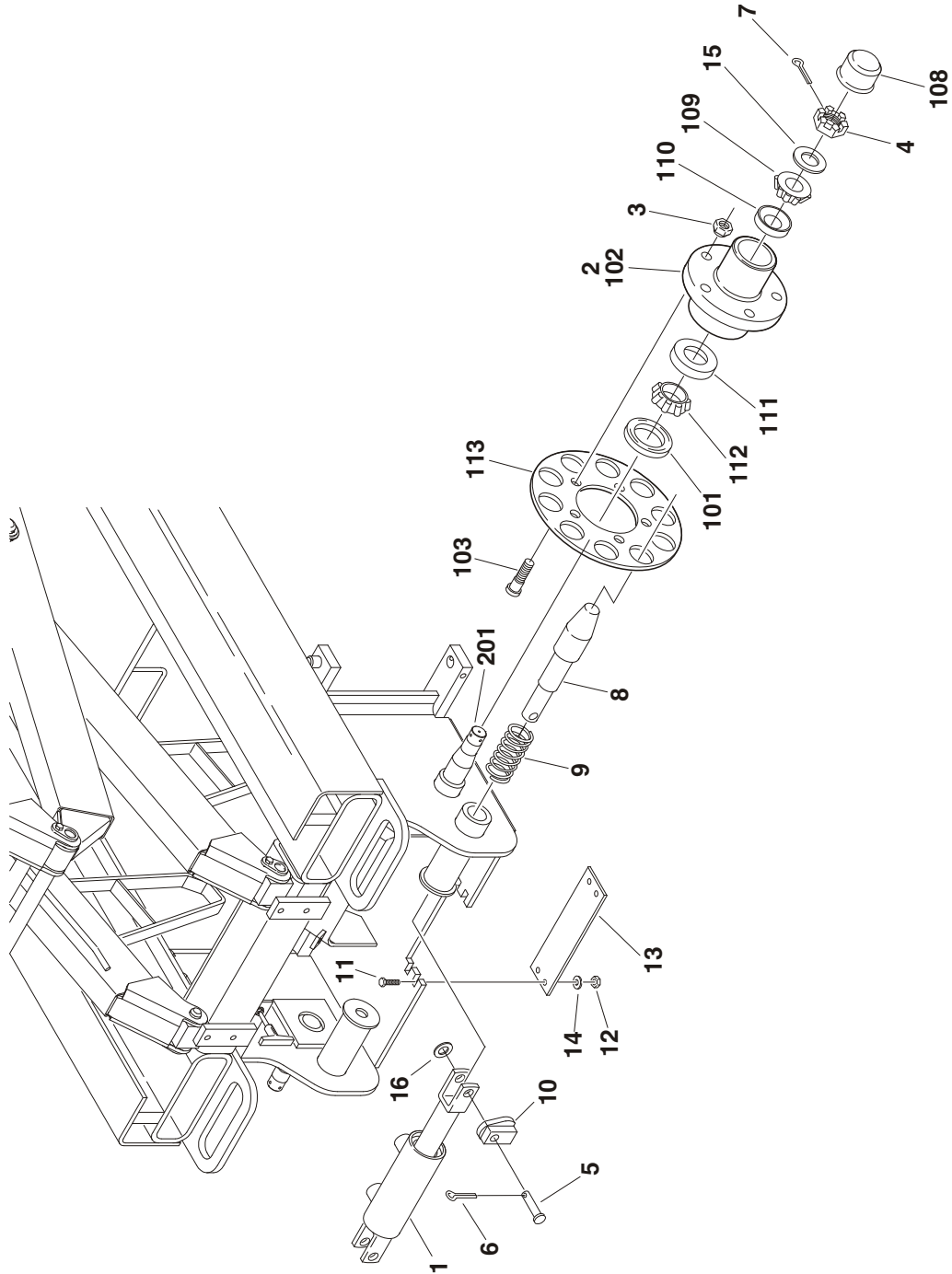
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FIGURE 1-2. DRIVE MOTOR ASSEMBLY - 1532E2 & 1932E2 (S/N 90870 TO PRESENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	3160269	DRIVE MOTOR ASSEMBLY	Ref.	B
1	7023451	Nut, Castle	1	
2	Not Used			
3	Use Item 100	Seal, Dust	1	
4	Not Serviceable	Housing		
5	Use Item 100	O-Ring	1	
6	Use Item 100	Seal, Shaft	1	
7	7023452	Bearing, Race	2	
8	7023453	Bearing, Needle	1	
9	7023454	Bearing, Needle	1	
10	7023455	Key	1	
11	7023456	Shaft, Output	1	
12	Use Item 100	O-Ring	1	
13	7023457	Washer, Spring	1	
14	7023458	Plate, Pressure	1	
15	7023459	Disc, Valve	1	
16	7023460	Bearing, Needle	1	
17	7023461	Washer, Glacier	1	
18	7023462	Plate	1	
19	7023463	Shaft, Cardan	1	
20	Use Item 100	O-Ring	2	
21	7023464	Wheel, Gear Set	1	
22	7023465	Cover, End	1	
23	Not Serviceable	I.D. Tag	1	
24	Use Item 100	Washer	7	
25	7023466	Screw	7	
26	Not Serviceable	Plug	2	
		KIT OPTIONS:	Ref.	
100	7023450	Kit, Seal (Includes Items 3, 5-6, 12, 20, 24)	1	

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FIGURE 1-3. BRAKE INSTALLATION - 1532E2 & 1932E2



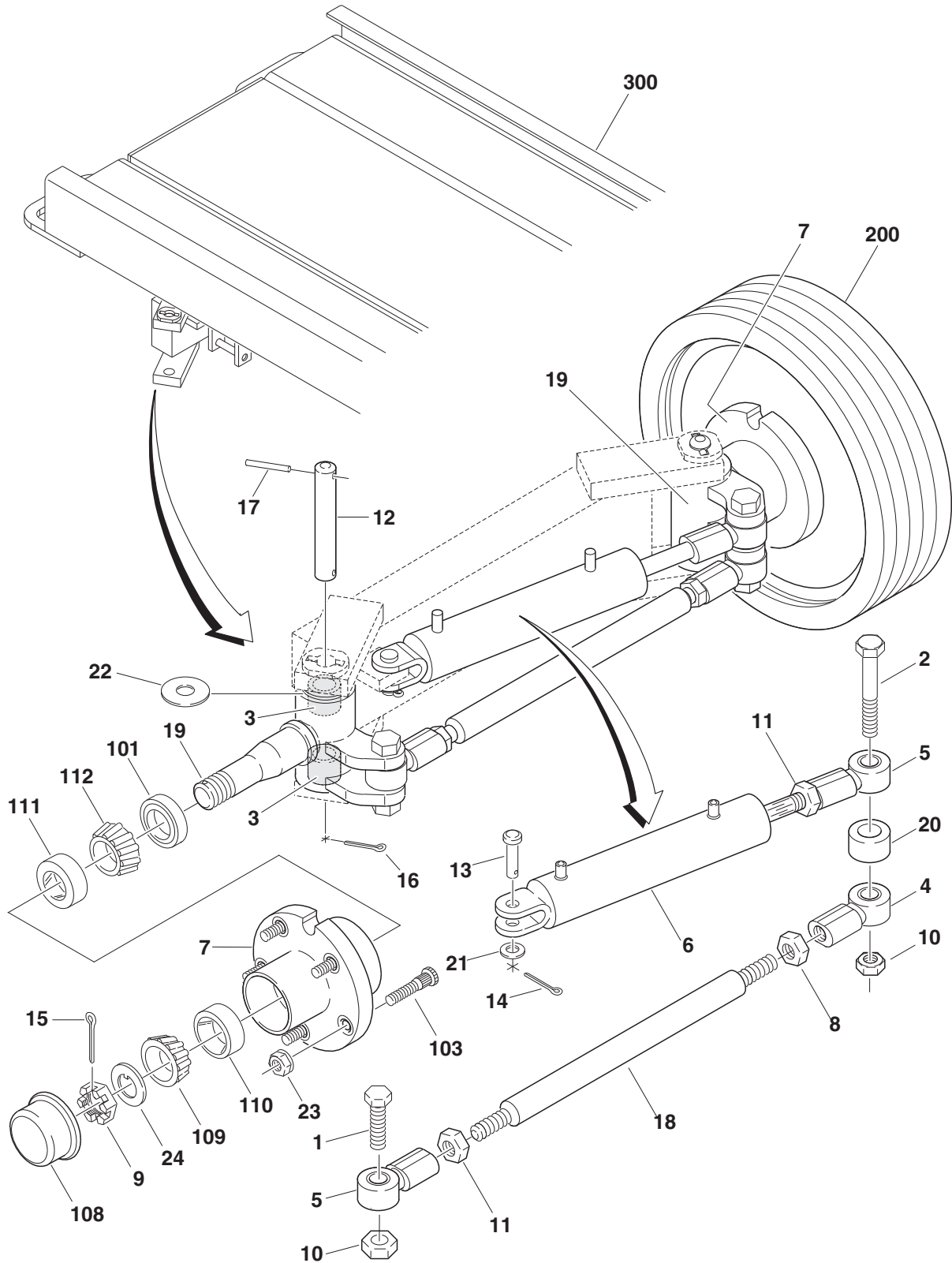
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FIGURE 1-3. BRAKE INSTALLATION - 1532E2 & 1932E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		BRAKE INSTALLATION OPTIONS:	Ref.	
	0258168	1532E2 & 1932E2 Machines	Ref.	C
1		Brake Cylinder Assembly Options (See Section 5 for Breakdown):	1	
	Use 1683833	Prior to S/N 65498 (Was p/n 1683557)		
	1683833	S/N 65498 to Present		
2	2780215	Hub Assembly (See Items 101-113 for Breakdown)	2	
3	3300255	Nut, Wheel	10	
4	3300423	Nut	2	
5	3430620	Pin	2	
6	3450403	Pin, Cotter 1/8" x 3/4"	2	
7	3450406	Pin, Cotter 1/8" x 1 1/2"	2	
8	3841332	Rod	2	
9	4160137	Spring, Compression	2	
10	4845037	Brake Cam Weldment	2	
11	0641407	Bolt 1/4"-20NC x 7/8"	4	
12	3311405	Locknut 1/4"-20NC	4	
13	3571067	Plate, Cover	1	
14	4711400	Flatwasher 1/4" Narrow	8	
15	4740468	Washer, Special	2	
16	4711600	Flatwasher 3/8" Narrow	2	
	2780215	HUB ASSEMBLY	Ref.	B
101	7010649	Seal	1	
102	Not Serviced	Housing	1	
103	7019696	Stud, Wheel	5	
104 to 107	Not Used			
108	7010648	Cap, Dust	1	
109	7010646	Cone, Outer	1	
110	7010650	Cup, Outer	1	
111	7010651	Cup, Inner	1	
112	7010647	Cone, Inner	1	
113	1760165	Disc, Brake	1	
		FRAME COMPONENTS	Ref.	
201	4845628	Spindle	2	
		TIRE AND WHEEL INSTALLATIONS (NOT SHOWN)	Ref.	
	0258167	Black Tire and Wheel Installation	Ref.	1
	0258166	Gray Non-Marking Tire and Wheel Installation	Ref.	1
		Tire Options:	4	
	4860180	Standard Black	A/R	
	4860182	Non-Marking Gray	A/R	

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FIGURE 1-4. FRAME AND STEERING INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2



SECTION 1 FRAME

FIGURE 1-4. FRAME AND STEERING INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		STEERING INSTALLATION OPTIONS:	Ref.	
	0257627	2032E2/2632E2 Machines	Ref.	I
	0257670	2646E2/3246E2 Machines	Ref.	J
1	0642022	Bolt 5/8"-11NC x 2 3/4"	1	
2	0642028	Bolt 5/8"-11NC x 3 1/2"	1	
3	0962097	Bushing, Excelite (Prior to S/N 49494)	4	
	0440228	Bushing, Excelite (S/N 49494 to Present)	4	
4	1660237	Coupling, Tie-Rod End (Left Side)	1	
5	1660238	Coupling, Tie-Rod End (Right Side)	2	
6		Steer Cylinder Assembly (See Section 5 for Breakdown):	1	
	Use 1684224	2032E2/2632E2 (Prior to S/N 67287) (Was P/N 1683552)		
	1683831	2032E2/2632E2 (S/N 67287 to S/N 104717)		
	1684224	2032E2/2632E2 (S/N 104717 to Present)		
	Use 1684224	2646E2/3246E2 (Prior to S/N 66990) (Was P/N 1683552)		
	1683831	2646E2/3246E2 (S/N 66990 to S/N 104717)		
	1684224	2646E2/3246E2 (S/N 104717 to Present)		
7	2780223	Hub Assembly (See Items 101-112 for Breakdown)	2	
8	3300409	Nut, Jam (Left Hand Threads)	1	
9	3300423	Nut, Spindle	2	
10	3312005	Locknut 5/8"-20NC	2	
11	3322002	Nut, Jam 5/8"-18NF	1	
12	3422646	Pin, Spindle (Prior to S/N 57249)	2	
	3422760	Pin, Spindle (S/N 57249 to Present)	2	
13	3430811	Pin, Clevis	1	
14	3450403	Pin, Cotter 1/8" x 3/4"	1	
15	3450406	Pin, Cotter 1/8" x 1 1/2"	2	
16	3450804	Pin, Cotter 1/4" x 1"	2	
17	3841344	Rod, Retaining	2	
18		Tie-Rod Options:	1	
	Kit	2032E2/2632E2 Machines		
	Kit	2646E2/3246E2 Machines		
19	4130346	Spindle Assembly	2	
20	4567246	Tube, Spacer	2	
21	4711800	Flatwasher 1/2" Narrow	1	
22	4740462	Thrustwasher, Bronze	2	
23	3300255	Nut, Wheel	10	
24	4740468	Flatwasher, Special	2	

		Tie Rod Assembly Kit Options:	1	
	2902137	2032E2 & 2632E2 (Includes Items Qty 1 of 4,5,8,11 & 18)		
	2902138	2646E2 & 3246E2 (Includes Items Qty 1 of 4,5,8,11 & 18)		

SECTION 1 FRAME

FIGURE 1-4. FRAME AND STEERING INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2
(CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	2780233	HUB ASSEMBLY	Ref.	A
101	7010649	Seal, Oil	1	
102	Not Used			
103	7012613	Wheelbolt	5	
104 to 107	Not Used			
108	7003902	Cap	1	
109	7010646	Cone, Bearing (Outer)	1	
110	7003903	Cup, Bearing (Outer)	1	
111	7010651	Cup, Bearing (Inner)	1	
112	7010647	Cone, Bearing (Inner0	1	
200		TIRE AND WHEEL INSTALLATION OPTIONS:	Ref.	
	0255682	Gray Non-Marking Tire Installation	Ref.	—
	0271541	Low Profile, Non-Marking Tire Installation (2632E2)	Ref.	
	0255679	Black Tire Installation	Ref.	—
	4520176	5x16 Gray Non-Marking (Standard)	4	
	4520174	5x16 Black (Optional)	4	
	4520257	5x16 Low Profile, Non-Marking (2632E2)	4	
300		FRAME WELDMENT OPTIONS:	Ref.	
	2360444	2032E2 Machines	Ref.	
	2360450	2646E2 Machines	Ref.	
	2360572	2632E2 Machines	Ref.	
	2360497	3246E2 Machines (Used with Rexroth Drive Motor)	Ref.	
	2360562	3246E2 Machines (Used With Parker Drive Motor)	Ref.	

SECTION 1 FRAME

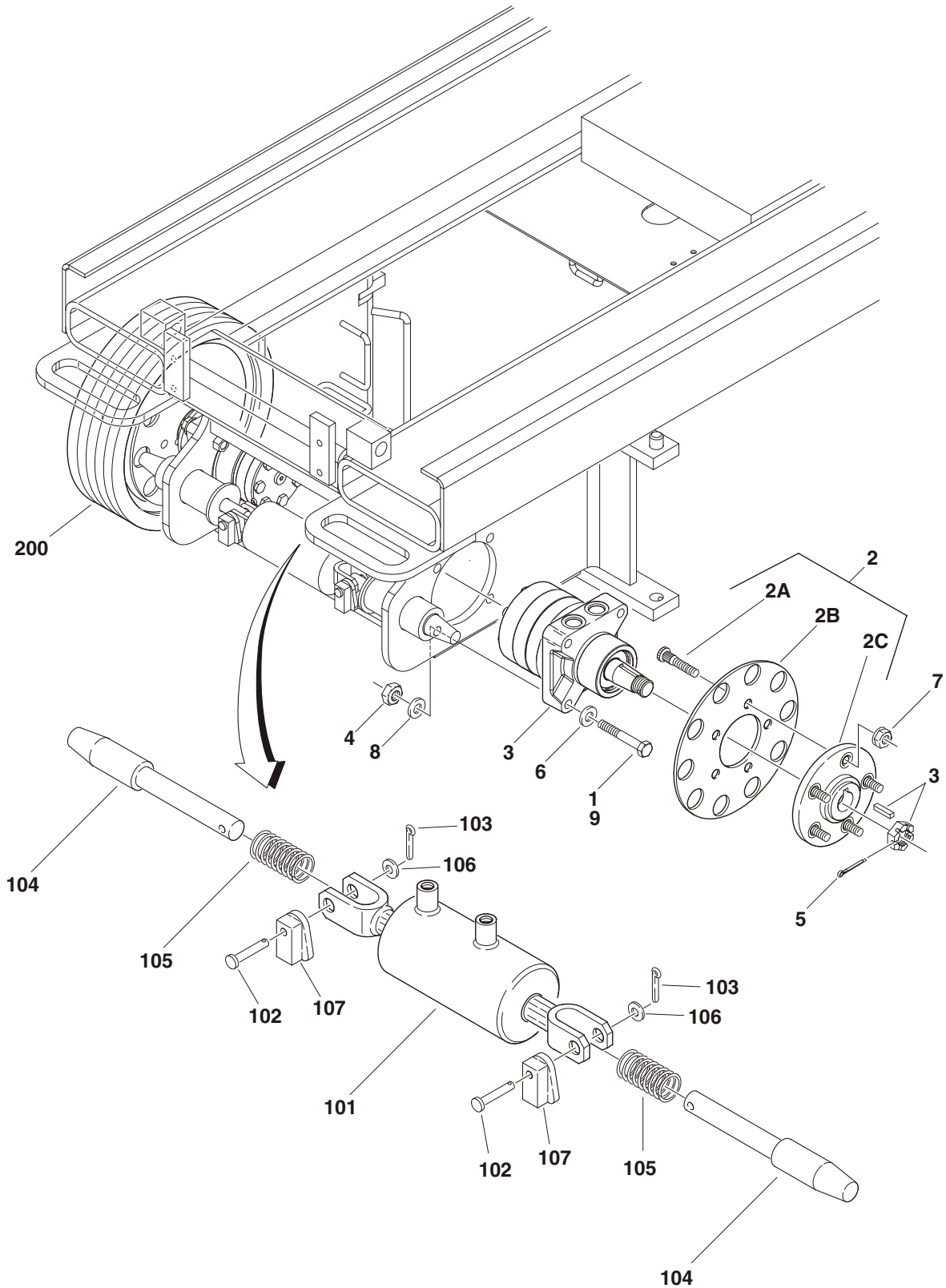
FIGURE 1-4. FRAME AND STEERING INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2
(CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION
1
FRAME

SECTION 1 FRAME

FIGURE 1-5. WHEEL DRIVE AND BRAKE INSTALLATIONS - 2032E2/2632E2/
2646E2/3246E2



SECTION 1 FRAME

FIGURE 1-5. WHEEL DRIVE AND BRAKE INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		WHEEL DRIVE INSTALLATION OPTIONS:	Ref.	
	0257626	2032E2 Machines	Ref.	I
	0271228	2632E2 Machines	Ref.	A
	0257876	2646E2 Machines	Ref.	J
	0258898	3246E2 Machines (Prior to S/N 90855)	Ref.	G
	0271228	3246E2 Machines (S/N 90855 to Present)	Ref.	B
1		Options:	8	
	0681822	(Bolt 1/2"-13NC x 2 3/4" Grade 8)		
	0681828	(Bolt 1/2"-13NC x 3 1/4" Grade 8)		
2		Hub Assembly Options:	2	
	2780222	2032E2/2646E2 Machines		
		2632E2/3246E2 Machines Options:		
	2780238	Prior to S/N 90854		
	2780222	S/N 90855 to S/N 98951		
	See Note:	S/N 98952 to S/N 99050		
		Note: For machines in this range contact JLG Industries Inc.	Ref.	
	2780238	S/N 99051 to S/N 102610		
	See Note:	S/N 102611 to S/N 102640		
		Note: For machines in this range contact JLG Industries Inc.	Ref.	
	2780222	S/N 102641 to Present		
2A	7012613	Stud, Wheel (5 per Hub)	10	
2B	1760167	Disc, Brake	2	
2C	2780216	Hub (Used w/2780222 Assembly)	2	
	Not Available	Hub (Used w/2780238 Assembly - Purchase Assembly)	2	
3		Drive Motor Assembly Options:	A/R	
		Note: Use Like Motors on Both Left & Right Sides	Ref.	
		2032E2 Motor Options:	Ref.	
	Use 2910312	2032E2 (Prior to S/N 86447) (Was p/n 3160230)	2	
	3160258	2032E2 (S/N 86447 to S/N 90870)	2	
		3160230 & 3160258 Replacement Parts:		
	7018996	Key, Shaft	1	
	7018997	Nut, Castle	1	
	7021312	Seal, Shaft Oil (Inner Seal)	1	
	7021317	Seal, Dust (Outer Seal)	1	
	7023874	Cap, End	1	
	3160263	2032E2 (S/N 90870 to Present) (See Figure 1-6 for Breakdown)	2	
		2646E2 Motor Options:	Ref.	
	Use 2910313	2646E2 (Prior to S/N 87548) (Was p/n 3160226)	2	
	3160259	2646E2 (S/N 87548 to 90870)	2	
		3160226 & 3120259 Replacement Parts:		
	7018996	Key, Shaft	1	
	7018997	Nut, Castle	1	
	7021312	Seal, Shaft Oil (Inner Seal)	1	
	7021317	Seal, Dust (Outer Seal)	1	

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FIGURE 1-5. WHEEL DRIVE AND BRAKE INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
3 (cont'd)	7023874	Cap, End	1	
		2632E2/3246E2 Motor Options:	Ref.	
	Use 2910342	Prior to S/N 62566 (was p/n 3160236 - Rexroth Motor)	2	
	Use 2910342	S/N 62566 to S/N 90854 (was p/n 3160247 - Rexroth Motor)	2	
		3160236 & 3160247 Replacement Parts:		
	See Note	Key, Shaft (was p/n 7022516)	1	
	See Note	Nut, Castle (was p/n 7022515)	1	
	See Note	Seal, Shaft Oil (Inner Seal) (was p/n 7022517)	1	
	See Note	Seal, Dust (Outer Seal) (was p/n 7022518)	1	
	See Note	Seal, Ring (was p/n 7022519)	1	
		Note: Replacement Parts are no longer available for motor p/ns 3120236 & 3160247 - Use Kit p/n 2910342)	Ref.	
		Note: For replacement parts for 2910342 see Figure 1-6	Ref.	
	3160265	S/N 90855 to S/N 98951 (Parker Hannofin Motor) (See Figure 1-6 for Breakdown)	2	
	See Note:	S/N 98952 to S/N 99050	2	
		Note: For machines in this range contact JLG Industries Inc.	Ref.	
	Use 3160265	S/N 99051 to S/N 102610 (Rexroth Motor) (was p/n 3160247 - Rexroth Motor)	2	
	See Note:	S/N 102611 to S/N 102640	2	
		Note: For machines in this range contact JLG Industries Inc.	Ref.	
	3160265	S/N 102641 to Present (Parker Hannofin Motor)	2	
4		Hardware Options:	8	
	3271805	Locknut 1/2"-13NC (Grade 8) (Prior to S/N 49303)		
	3311801	Nut 1/2"-13NC (S/N 49303 to S/N 84080)		
	3300450	Nut 1/2"-13NC (S/N 84080 to Present)		
5		Pin, Cotter Options:	2	
	3450406	2032E2/2646E2 Machines (1/8" x 1 1/2")		
	3450508	3246E2 Machines (1/4" x 2") (Prior to S/N 90855)		
	3450406	3246E2 Machines (1/8" x 1 1/2") (S/N 90855 to Present)		
6		Flatwasher Options:	A/R	
	4711800	2032E2/2646E2 Machines (Prior to S/N 87549)		
	4740453	2032E2/2646E2 Machines (S/N 87549 to Present)		
	4740453	3246E2 (S/N 102645 to Present)		
7	3300255	Nut, Wheel	10	
8	4761800	Flatwasher 1/2" (S/N 49303 to S/N 84080)	8	
9	0100019	Loctite #271 (Prior to S/N 84080)	A/R	
		BRAKE INSTALLATION OPTIONS:	Ref.	
	0257877	2032E2 / 2632E2 Machines	Ref.	D
	0257878	2646E2 / 3246E2 Machines	Ref.	D
101		Brake Cylinder Assembly Options (See Section 5 for Breakdown):	1	
	Use 1683833	Prior to S/N 65498 (Was p/n 1683557)		
	1683833	S/N 65498 to Present		
102	3430620	Pin	2	

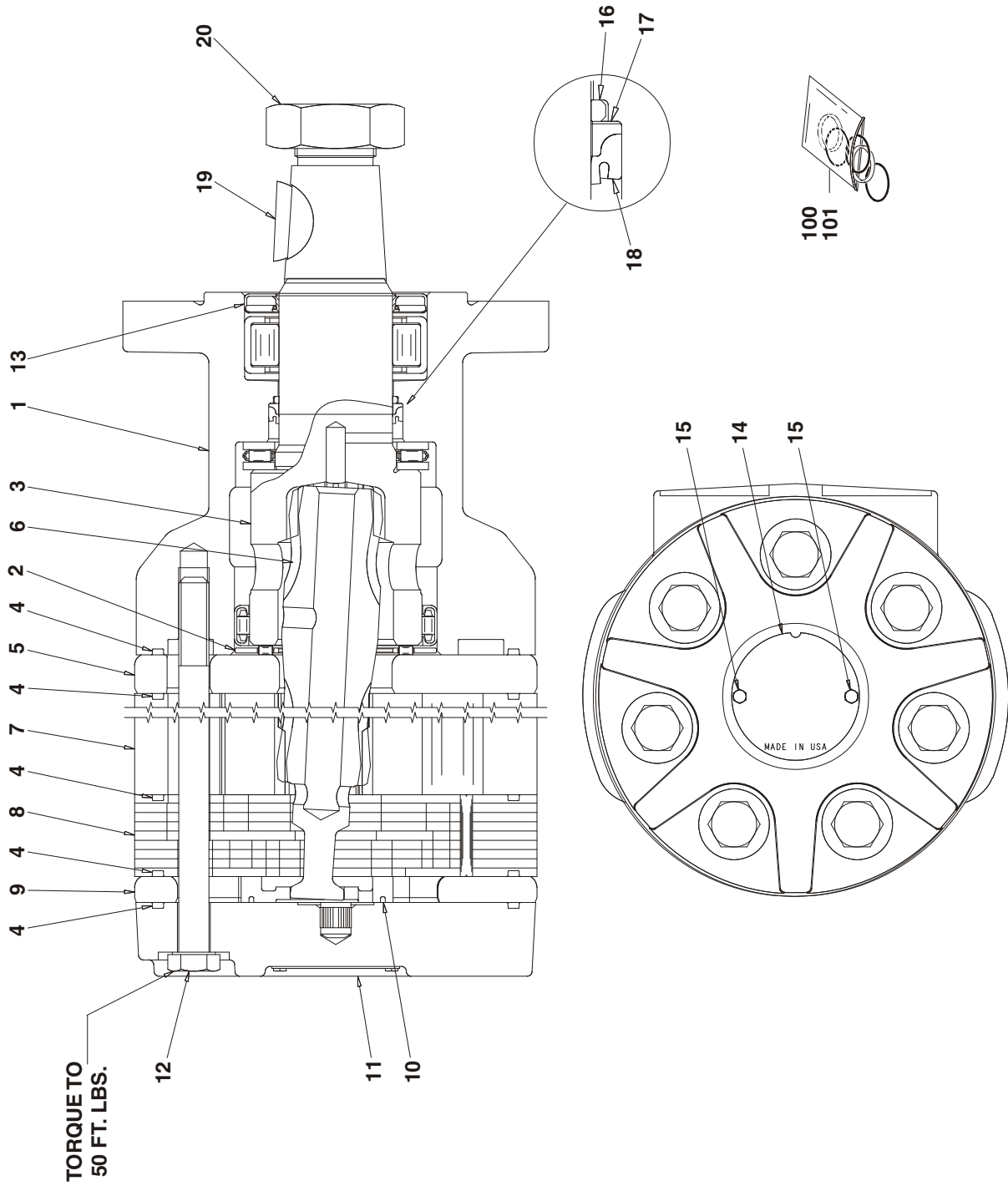
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**FIGURE 1-5. WHEEL DRIVE AND BRAKE INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
103	3450403	Pin, Cotter 1/8" x 3/4"	2	
104		Rod Options:	2	
	3841332	2032E2 Machines		
	3841371	2646E2/3246E3 Machines		
105	4160137	Spring, Compression	2	
106	4711600	Flatwasher 3/8" Narrow	2	
107	4845037	Brake Cam Weldment	2	
		TIRE AND WHEEL INSTALLATION OPTIONS:	Ref.	
	0255682	Gray Non-Marking Tire Installation	Ref.	—
	0271541	Low Profile, Non-Marking Tire Installation (2632E2)	Ref.	
	0255679	Black Tire Installation	Ref.	—
200	4520176	5x16 Gray Non-Marking (Standard)	4	
	4520257	5x16 Low Profile, Non-Marking (2632E2)	4	
	4520174	5x16 Black (Optional)	4	

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FIGURE 1-6. DRIVE MOTOR ASSEMBLY - (2032E2/2646E2 S/N 90870 TO PRESENT) (2632E2/3246E2 S/N 90855 TO PRESENT)



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FIGURE 1-6. DRIVE MOTOR ASSEMBLY - (2032E2/2646E2 S/N 90870 TO PRESENT) (2632E2/3246E2 S/N 90855 TO PRESENT)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DRIVE MOTOR ASSEMBLIES (PARKER HANNIFIN)	Ref.	
	3160263	DRIVE MOTOR - 2032E2	Ref.	B
	3160264	DRIVE MOTOR - 2646E2	Ref.	B
	3160265	DRIVE MOTOR - 2632E2/3246E2	Ref.	B
	2910342	DRIVE MOTOR - 3246E2 (This kit uses p/n 3160301 Motor)	Ref.	A
1		Housing Options:	1	
	7023307	3160263, 3160264 & 3160265		
	Not Serviced	3160301		
2	7023308	Bearing, Thrust	1	
3		Shaft Options:	1	
	7023309	3160263 & 3160264		
	Not Serviced	3160265		
	7026178	3160301		
4	7023310	Ring, Seal	5	
5	7023311	Plate, Wear	5	
6		Drive Link Options:	1	
	7023312	3160263		
	7023326	3160264		
	7023410	3160265 & 3160301		
7		Assembly, Rotor Options:	1	
	7023313	3160263		
	7023327	3160264		
	7023409	3160265 & 3160301		
8	7023314	Manifold	1	
9	7023315	Assembly, Commutator	1	
10	7023318	Seal, Commutator	1	
11		Cover, End Options:	1	
	7023316	3160263		
	7023328	3160264, 3160265 & 3160301		
12		Bolt Options:	7	
	7023317	3160263		
	7023329	3160264 & 3160265		
	Not Serviced	3160301		
13	See Note	Seal (Note: Use Items 100 & 101)	1	
14	Not Available	Identification Tag	N/A	
15	7023320	Screw	2	
16	See Note	Ring Back-Up (Note: Use Items 100 & 101)	1	
17	See Note	Washer, Back-Up (Note: Use Items 100 & 101)	1	
18	See Note	Seal, Shaft (Note: Use Items 100 & 101)	1	
19		Key Options:	1	
	7023324	3160263, 3160264 & 3160265		
	7026179	3160301		
20		Nut, Castle Options:	1	
	7023325	3160263, 3160264 & 3160265		
	7026180	3160301		

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FIGURE 1-6. DRIVE MOTOR ASSEMBLY - (2032E2/2646E2 S/N 90870 TO PRESENT) (2632E2/3246E2 S/N 90855 TO PRESENT) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
21		Bearing, Inner Options (Not Shown):	1	
	Not Required	3160263 & 3160234		
	7023405	3160265		
	7026174	3160301		
22		Washer, Thrust Options (Not Shown):	A/R	
	Not Required	3160263 & 3160234	0	
	7023406	3160265	1	
	7026175	3160301	2	
23		Bearing, Thrust Options (Not Shown):	1	
	Not Required	3160263 & 3160234		
	7023407	3160265		
	7026176	3160301		
24		Bearing, Outer Options (Not Shown):	1	
	Not Required	3160263 & 3160234		
	7023408	3160265		
	7026177	3160301		
		KIT OPTIONS:	Ref.	
		Kit, Seal Options (Includes Items 4, 10, 13, 16, 17 & 18):		
100	7023412	3160263, 3160264 & 3160265	1	
101	7026181	3160301	1	

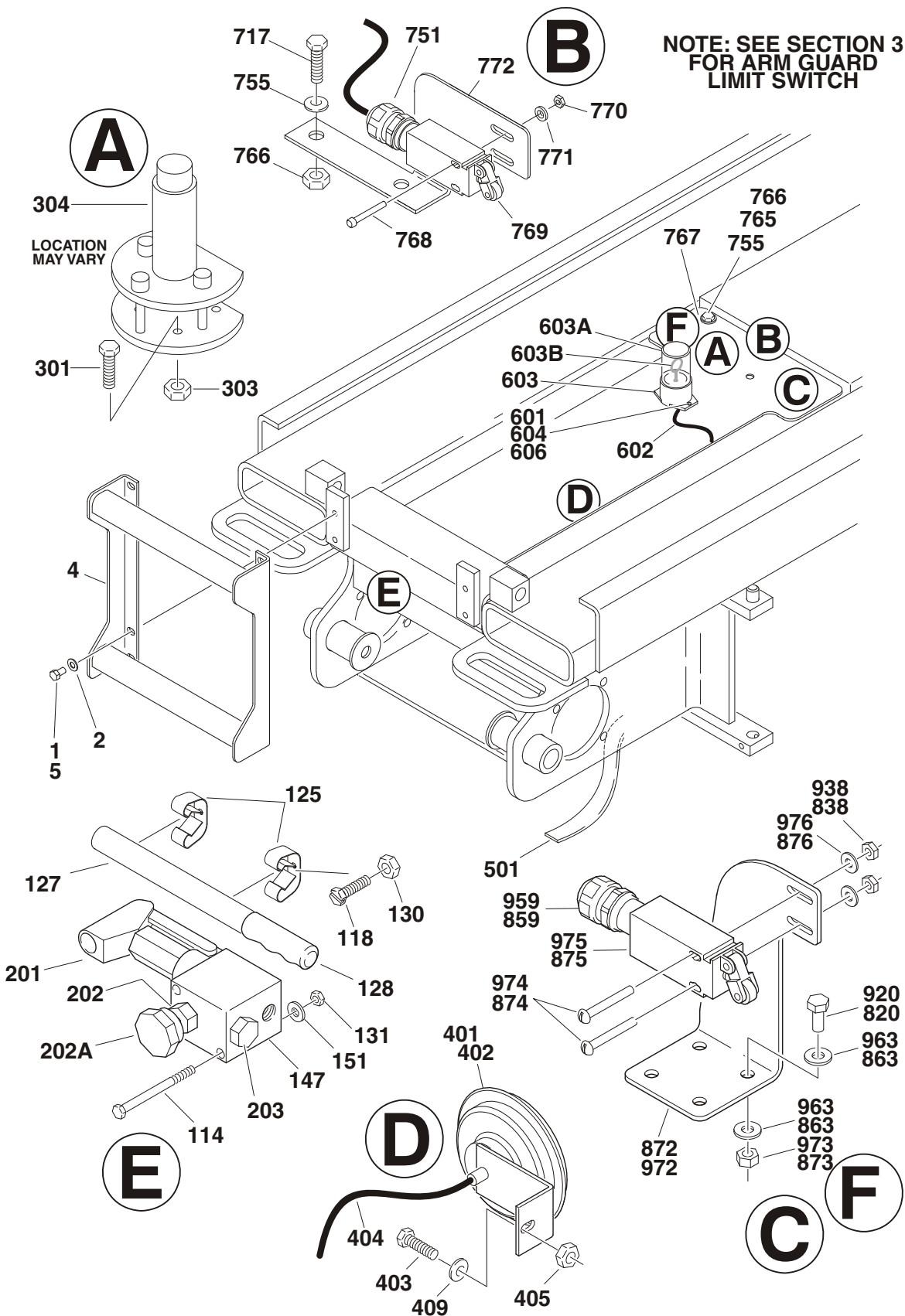
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FIGURE 1-6. DRIVE MOTOR ASSEMBLY - (2032E2/2646E2 S/N 90870 TO PRESENT) (2632E2/3246E2 S/N 90855 TO PRESENT) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 1-7. FRAME MOUNTED COMPONENTS INSTALLATIONS



SECTION 1 FRAME

FIGURE 1-7. FRAME MOUNTED COMPONENTS INSTALLATIONS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		LADDER INSTALLATIONS	Ref.	
	0257662	1532E2	Ref.	B
	0257662	1932E2	Ref.	B
	0257662	2032E2 without Optional Invertor	Ref.	B
	0258681	2032E2 with Optional Invertor	Ref.	A
	0257779	2632E2	Ref.	A
	0257779	2646E2	Ref.	A
	0258944	3246E2	Ref.	A
1	0100011	Loctite #242	A/R	
2	4711600	Flatwasher 3/8" Narrow	4	
3	Not Used			
4		Ladder Weldment Options:	1	
	4845558	1532E2		
	4845558	1932E2		
	4845558	2032E2 without Optional Invertor		
	4845837	2032E2 with Optional Invertor		
	4845834	2632E2		
	4845834	2646E2		
	4845922	3246E2		
5	0641605	Bolt 3/8"-16NC x 5/8"	4	
		MANUAL DESCENT PUMP INSTALLATION (PRIOR TO S/N 69053 ONLY)	Ref.	
	0257666	2646E2 Machines Only	Ref.	M
	0258889	3246E2 Machines Only	Ref.	F
101 to 113	Not Used			
114	0641528	Bolt 5/16"-18NC x 3 1/2"	2	
115 to 117	Not Used			
118	0721006	Screw, Machine #10-24NC x 3/4"	2	
119 to 124	Not Used			
125	1380136	Clip, Gripper	2	
126	Not Used			
127	2560122	Handle, Pump	1	
128	2560123	Handle, Grip		
129	Not Used			
130	3311005	Locknut #10-24NC	4	
131	3311505	Locknut 5/16"-18NC	2	
132 to 146	Not Used			
147	4640859	Pump Assembly - Manual Descent (See 201-203 for Breakdown)	1	
148 to 149	Not Used			
150	0100001	Adhesive, Weatherstrip (Not Shown)	A/R	
151	4751500	Flatwasher 5/16"	2	

SECTION 1 FRAME

FIGURE 1-7. FRAME MOUNTED COMPONENTS INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	4640859	PUMP ASSEMBLY - MANUAL DESCENT (2646E2 & 3246E2 MACHINES ONLY)	Ref.	
201	7012952	Cartridge, Pump	1	
	2900708	Seal Kit - 7012952 Cartridge	1	
202	7012954	Cartridge, Needle Valve	1	
	7012953	Seal Kit - 7012954 Cartridge	1	
202A	7012961	Knob	1	
203	7012955	Cartridge, Check	1	
	7012540	Seal Kit - 7012955 Cartridge	1	
		TILT INDICATOR INSTALLATIONS	Ref.	
		All Specs except Japanese Spec:	Ref.	
	0270066	1532E2 (1.5°)	Ref.	B
	0257969	1932E2/2032E2/2646E2 Prior to S/N 71686 (5°)	Ref.	C
	0270066	1932E2/2032E2 S/N 71686 to Present (1.5°)	Ref.	B
	0257799	2632E2 (2°)	Ref.	A
	0259410	2632E2 with Prop Controls (2°)	Ref.	A
	0257799	2646E2 S/N 71686 to Present (2°)	Ref.	A
	0257969	3246E2 with Std Controls Prior to S/N 71686 (5°)	Ref.	C
	0257799	3246E2 with Std Controls S/N 71686 to Present (2°)	Ref.	D
	0259410	3246E2 with Prop Controls (2°)	Ref.	A
		Japanese Spec:	Ref.	
	0257969	1532E2 (5°)	Ref.	A
	0257969	1932E2/2032E2/2646E2 Prior to S/N 71686 (5°)	Ref.	C
	0270066	1932E2/2032E2 S/N 71686 to S/N 79269 (1.5°)	Ref.	B
	0257969	1932E2/2032E2 S/N 79269 to Present (5°)	Ref.	C
	0257969	2632E2 (°5)	Ref.	C
	0257799	2646E2 S/N 71686 to S/N 79269 (2°)	Ref.	A
	0257969	2646E2 S/N 71686 to Present (5°)	Ref.	A
	0257969	3246E2 with Std Controls Prior to S/N 71686 (5°)	Ref.	C
	0257799	3246E2 with Std Controls S/N 71686 to S/N 79269 (2°)	Ref.	D
	0257969	3246E2 with Std Controls S/N 71686 to Present (5°)	Ref.	D
	0259410	3246E2 with Prop Controls Prior to S/N 79269 (2°)	Ref.	A
	0257969	3246E2 with Prop Controls S/N 71686 to Present (5°)	Ref.	D
301	0641405	Bolt 1/4"-20NC x 5/8"	2	
302	Not Used			
303	3311405	Locknut 1/4"-20NC	2	
304		Indicator, Tilt Options:	1	
	4360487	1.5°		
	4360349	2° (Standard Controls Machines)		
	4360435	2° (Prop Controls Machines)		
	4360348	5°		

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FIGURE 1-7. FRAME MOUNTED COMPONENTS INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HORN INSTALLATIONS (OPTIONAL)	Ref.	
	0258317	1532E2 & 1932E2 Machines	Ref.	B
	0257802	2032E2 & 2646E2 & 3246E2 Machines	Ref.	D
	0257802	3246E2 Standard Control Machines	Ref.	D
	0259655	3246E2 Proportional Control Machines	Ref.	B
	0271917	2632E2 Standard Control Machines	Ref.	B
	0271926	2632E2 Proportional Control Machines	Ref.	A
401	0100048	Grease, Dielectric	A/R	
402	0140022	Horn	1	
403		Bolt Options:	1	
	0641505	Bolt 5/16"-18NC x 5/8" (1532E2/1932E2/2632E2)		
	0641510	Bolt 5/16"-18NC x 1 1/4" (2032E2/2646E2/3246E2)		
404		Cable/Harness, Electrical		
	1060680	1532E2/1932E2 Machines (Cable, Electrical - 16/2)	A/R	
	1060680	2032E2/2646E2 Machines (Cable, Electrical - 16/2)	8ft/2.4m	
	1060680	3246E2 Standard Control Machines (Cable, Electrical - 16/2)	8ft/2.4m	
	1060680	2632E2 Standard Control Machines (Cable, Electrical - 18/2)	5ft/1.53m	
	4922258	3246E2/2632E2 Proportional Control Machines (Harness - See Section 7 for Breakdown)	1	
405	3311505	Locknut 5/16"-18NC	1	
406 to 408	Not Used			
409	4751500	Flatwasher 5/16"	1	
	0258581	STATIC STRAP INSTALLATION	Ref.	B
501	3941406	Screw, Self-Tapping 1/4"-20NC x 3/4"	1	
	Use 4240147	Strap, Static (Was 4240084)	1	
	4751400	Flatwasher 1/4"	1	
		BEACON LIGHT INSTALLATION OPTIONS:	Ref.	
	0258318	(1532E2 & 1932E2) (Optional)	Ref.	A
	0257801	(2032E2 / 2646E2 / 3246E2) Standard Controls (Optional)	Ref.	A
	0259411	(3246E2) Proportional Controls (Optional)	Ref.	A
	0271891	(2632E2) Standard Controls (Optional)	Ref.	B
	0271925	(2632E2) Proportional Controls (Optional)	Ref.	A
601		Screw, Socket Head Options:	2	
	0721006	1532E2 / 1932E2		
	0721004	2632E2		
602	1060680	Cable, Electrical 18/2	A/R	
603	2920146	Beacon Light Assembly	1	
603A	7016319	Bulb	1	
603B		Lens Options:	1	
	7016372	Amber		
	2920166	Blue		
604	3311005	Locknut #10-24NC	2	

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FIGURE 1-7. FRAME MOUNTED COMPONENTS INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
605	4460248	Terminal (Not Shown)	2	
606	4751000	Flatwasher #10	2	
		DRIVE SPEED SWITCH INSTALLATION (1532E2 & 1932E2 ONLY)	Ref.	
	0270502	1532E2	Ref.	C
	0258014	1932E2	Ref.	J
701 to 716	Not Used			
717	0641405	Bolt 1/4"-20NC x 5/8"	2	
718 to 750	Not Used			
751	4460662	Connector, Strain Relief	1	
718 to 754	Not Used			
755	4711400	Washer 1/4", Narrow	6	
756 to 764	Not Used			
765	0641406	Bolt 1/4"-20NC x 3/4" (S/N 50027 to Present)	4	
766	3311405	Locknut 1/4"-20NC	6	
767	3570991	Plate, Cover	1	
768	3911024	Screw #10-24NC x 1 1/2"	2	
769	4360401	Switch, Limit	1	
770	3311005	Locknut #10-24NC	2	
771	4751000	Washer #10, Wide	2	
772	0902501	Bracket, Limit Switch	1	
		DRIVE SPEED SWITCH INSTALLATION (3246E2 ONLY) (REFERENCE LETTER "C" ON ART)	Ref.	
		Note: See Section 10 for Japanese Taiyo Spec	Ref.	
	0258889	Standard Control Machines	Ref.	L
	0259408	Proportional Control Machines	Ref.	H
801 to 819	Not Used			
820	0641405	Bolt 1/4"-20NC x 5/8"	4	
821 to 837	Not Used			
838	3311005	Locknut #10-24NC	2	
839 to 858	Not Used			
859	4460662	Connector, Strain Relief	1	
860 to 862	Not Used			
863	4711400	Flatwasher 1/4" Narrow	8	
864 to 871	Not Used			
872	0902537	Bracket	1	
873	3311405	Locknut 1/4"-20NC	4	
874	3911024	Screw, Round Head #10-24NC x 3"	2	
875	4360401	Switch, Limit	1	
876	4751000	Flatwasher #10	8	
877		Harness, Elevation Options: (Not Shown - See Section 7 for Breakdown)	A/R	
	Not Required			
	4922305	Standard Controls Machines		
		Proportional Control Machines		

SECTION 1 FRAME

FIGURE 1-7. FRAME MOUNTED COMPONENTS INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		OVERLOAD PROTECTION SWITCH INSTALLATION (JAPANESE SPEC ONLY) (REFERENCE LETTER "F" ON ART)	Ref.	
		Note: See Section 10 for Japanese Taiyo Spec	Ref.	
	0258733	1532E2 & 1932E2	Ref.	E
	0257976	2032E2	Ref.	G
	0258651	2646E2 & 3246E2	Ref.	E
901 to 919	Not Used			
920		Bolt (1/4"-20NC x 1") Options:	2	
	0641406	1532E2 & 1932E2		
	0641406	2032E2 / 2646E2 & 3246E2 (Prior to S/N 93070)		
	0641408	2032E2 / 2646E2 & 3246E2 (S/N 93070 to Present)		
921 to 937	Not Used			
938	3310801	Locknut #8-32NC	2	
939 to 958	Not Used			
959		Connector, Strain Relief Options:	1	
	4460049	2032E2 / 2646E2 & 3246E2		
	4460049	1532E2 & 1932E2 (Prior to S/N 93070)		
	4460662	1532E2 & 1932E2 (S/N 93070 to Present)		
960 to 962	Not Used			
963	4711400	Flatwasher 1/4" Narrow	8	
964 to 971	Not Used			
972		Bracket Options:	1	
	0902500	1532E2 & 1932E2 (Prior to S/N 80167)		
	0902691	1532E2 & 1932E2 (S/N 80167 to Present)		
	0902482	2032E2 & 2646E2 & 3246E2		
		Cover Bracket Options (Not Shown):	1	
	Not Required	1532E2 & 1932E2		
	0962632	2032E2 & 2646E2 & 3246E2		
973	3311405	Locknut 1/4"-20NC	4	
974	0720812	Screw, Round Head #10-24NC x 3"	2	
975	4360437	Switch, Limit	1	
976	4750800	Flatwasher #8	8	

SECTION 1 FRAME

FIGURE 1-7. FRAME MOUNTED COMPONENTS INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

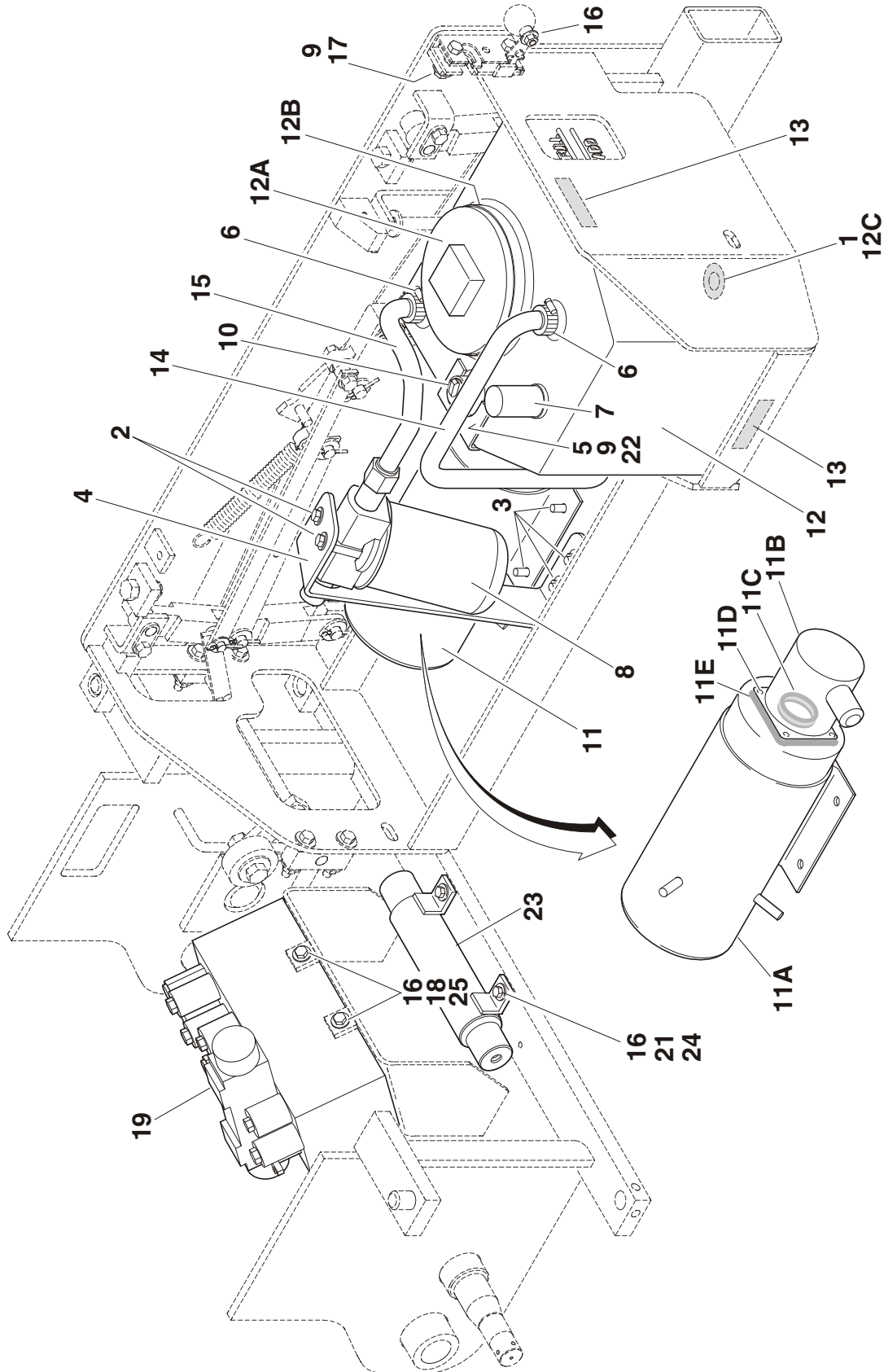
SECTION 2 GROUND COMPONENTS

SECTION 2 GROUND COMPONENTS

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SECTION 2 GROUND COMPONENTS

FIGURE 2-1. HYDRAULIC COMPONENT INSTALLATIONS - 1532E2/1932E2



SECTION 2 GROUND COMPONENTS

FIGURE 2-1. HYDRAULIC COMPONENT INSTALLATIONS - 1532E2/1932E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC COMPONENTS INSTALLATIONS - 1532E2 & 1932E2 (LEFT SIDE) OPTIONS:	Ref.	
	0258056	(Prior to S/N 90870)	Ref.	G
	0271222	(S/N 90870 to Present)	Ref.	A
1	0100020	Sealant, Pipe	A/R	
2	0641405	Bolt 1/4"-20NC x 5/8"	2	
3	0641508	Bolt 5/16"-18NC x 1"	7	
4	0902486	Bracket, Filter Mounting	1	
5	0902490	Bracket, Tank	1	
6	1320030	Clamp, Hose	2	
7	1340052	Breather, Tank	1	
8	2120105	Filter Assembly	1	
	2120072	Element, Filter	1	
9	3311505	Locknut 5/16"-18NC	3	
10	3520077	Plug, Snap	1	
11		Motor/Pump Assembly Options:	1	
	3600288	Prior to S/N 90870		
	3600325	S/N 90870 to Present		
11A	7011041	Motor	1	
	7010639	Brush	2	
	7010640	Spring	8	
11B		Pump Options:	1	
	7011050	Prior to S/N 90870		
	7011049	S/N 90870 to Present		
	7011045	Gasket Kit	1	
	7010903	Seal, Shaft	1	
11C	7010944	Coupling Kit	1	
11D	7011043	Screw, Pump Mounting	4	
11E	7011044	Gasket	1	
12	4400415	Tank, Hydraulic	1	
12A	1120491	Lid	1	
12B	3780199	O-Ring	1	
12C	Not Available	Plug	1	
13	4420038	Tape, Rubatex	25in/64cm	
14	4567681	Tube, Supply	1	
15	4567682	Tube, Return	1	
16	4751400	Flatwasher 1/4"	5	
17	4751500	Flatwasher 5/16"	10	
18	0641406	Bolt 1/4"-20NC x 3/4"	3	
19	4641020	Valve Assembly (See Figure 2-3 for Breakdown)	1	
20	Not Used			
21	0641410	Bolt 1/4"-20NC x 1 1/4" (S/N 49355 to Present)	2	
22	0641510	Bolt 5/16"-18NC x 1 1/4" (S/N 49355 to Present)	1	
23		Cylinder, Cushion Options:	A/R	
	Not Required	Prior to S/N 49355	0	
	Use 1683834	S/N 49355 to S/N 65498 (Was p/n 1683560)	1	
	1683834	S/N 65498 to Present	1	

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FIGURE 2-1. HYDRAULIC COMPONENT INSTALLATIONS - 1532E2/1932E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
24	3311405	Locknut 1/4"-20NC (S/N 49355 to Present)	2	
25	0100011	Loctite #242	A/R	

SECTION 2 GROUND COMPONENTS

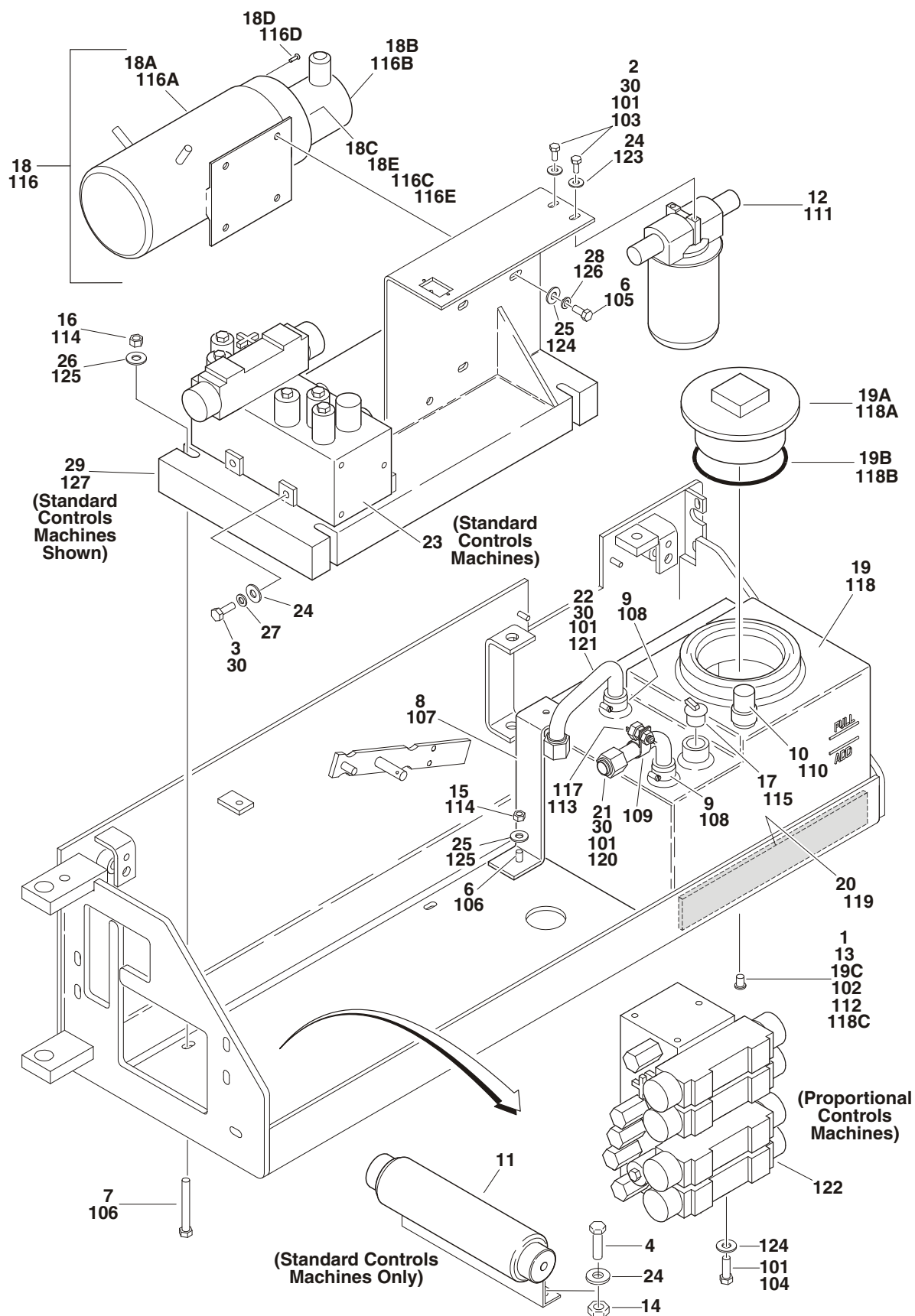
FIGURE 2-1. HYDRAULIC COMPONENT INSTALLATIONS - 1532E2/1932E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-2. HYDRAULIC COMPONENT INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2



SECTION 2 GROUND COMPONENTS

FIGURE 2-2. HYDRAULIC COMPONENT INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC COMPONENTS INSTALLATIONS: (WITH STANDARD CONTROLS)	Ref.	
	0257659	2032E2/ 2646E2 Prior to S/N 64779	Ref.	B
	0259280	2032E2/ 2646E2 S/N 64779 to Present	Ref.	F
	0259280	2632E2 / 3246E2 with Standard Controls	Ref.	F
1	0100020	Sealant, Pipe	A/R	
2	0641405	Bolt 1/4"-20NC x 5/8"	2	
3	0641406	Bolt 1/4"-20NC x 3/4"	2	
4	0641407	Bolt 1/4"-20NC x 7/8"	2	
5	Not Used			
6	0641508	Bolt 5/16"-18NC x 1"	5	
7		Bolt Options:	4	
	0641624	2032E2/ 2646E2 Prior to S/N 64779		
	0641620	2032E2/ 2646E2 S/N 64779 to Present & All 3246E2		
8		Bracket, Tank Hold Down Options:	1	
	0902198	2032E2/ 2646E2 Prior to S/N 64779		
	0902538	2032E2/ 2646E2 S/N 64779 to Present & All 3246E2		
9		Clamp, Hose	2	
	Use 1320030	Prior to S/N 88558 (Was p/n 1320033)		
	1320030	S/N 88558 to Present		
10	1340052	Breather, Tank	1	
11		Cylinder, Cushion Options:	1	
	Use 1683834	Prior to S/N 65498 (Was p/n 1683560)		
	1683834	S/N 65498 to Present		
12	2120105	Filter Assembly	1	
	2120072	Element, Filter	1	
13	2200233	Plug, Drain (Prior to S/N 71406 Only)	1	
14	3311405	Locknut 1/4"-20NC	2	
15	3311505	Locknut 5/16"-18NC	1	
16	3311605	Locknut 3/8"-16NC	4	
17	3520077	Plug, Snap	1	
18	3600270	Motor/Pump Assembly	1	
18A	7011041	Motor	1	
	7010639	Brush	2	
	7010640	Spring	8	
18B	7011042	Pump	1	
	7011045	Gasket Kit	1	
	7010903	Seal, Shaft	1	
18C	7010944	Coupling Kit	1	
18D	7011043	Screw, Pump Mounting	4	
18E	7011044	Gasket	1	
19		Tank, Hydraulic Options:	1	
	Use 4400422	2032E2/ 2646E2 Prior to S/N 64779 (Was p/n 4400406)		
	4400422	2032E2/ 2646E2 S/N 64779 to Present		
	Use 4400422	3246E2 Prior to S/N 57891 (Was p/n 4400406)		
	4400422	3246E2 S/N 57891 to Present		
19A	1120491	Lid	1	

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SECTION 2 GROUND COMPONENTS

FIGURE 2-2. HYDRAULIC COMPONENT INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
19B	3780199	O-Ring	1	
19C	2200233	Plug, Drain (S/N 71406 to Present Only)	1	
20	4420038	Tape, Rubatex	41in/1m	
21	4567271	Tube, Return	1	
22		Tube, Supply Options:	1	
	Use 4567272	3246E2 Prior to S/N 88558 (Was p/n 4567893)		
23	4641020	Valve Assembly (See Figure 2-3 for Breakdown)	1	
24	4751400	Flatwasher 1/4"	6	
25	4751500	Flatwasher 5/16"	6	
26	4751600	Flatwasher 3/8"	8	
27	4761400	Lockwasher 1/4" (Prior to S/N 50361)	3	
28	4761500	Lockwasher 5/16"	4	
29		Counterweight	1	
	4845664	2032E2/ 2646E2 Prior to S/N 64779		
	4846017	2032E2/ 2646E2 S/N 64779 to Present & All 3246E2		
30	0100011	Loctite #242	A/R	
		HYDRAULIC COMPONENTS INSTALLATIONS (WITH PROPORTIONAL CONTROLS)	Ref.	
	0259416	2632E2 / 3246E2 with Proportional Controls	Ref.	C
101	0100011	Loctite #242	A/R	
102	0100020	Sealant, Pipe	A/R	
103	0641405	Bolt 1/4"-20NC x 5/8"	2	
104	0641505	Bolt 5/16"-18NC x 5/8"	2	
105	0641508	Bolt 5/16"-18NC x 1"	4	
106	0641622	Bolt 3/8"-16NC x 2 3/4"	4	
107	0902574	Bracket, Tank Hold Down	1	
108		Clamp, Hose	2	
	Use 1320030	Prior to S/N 88558 (Was p/n 1320033)		
109	1320242	Clamp, Hose	1	
110	1340052	Breather, Tank	1	
111	2120105	Filter Assembly	1	
	2120072	Element, Filter	1	
112	2200233	Plug, Drain (Prior to S/N 71406 Only)	1	
113	3310601	Nut #6-32NC	1	
114	3311605	Locknut 3/8"-16NC	4	
115	3520077	Plug, Snap	1	
116	3600270	Motor/Pump Assembly	1	
116A	7011041	Motor	1	
	7010639	Brush	2	
	7010640	Spring	8	
116B	7011042	Pump	1	
	7011045	Gasket Kit	1	
	7010903	Seal, Shaft	1	
116C	7010944	Coupling Kit	1	
116D	7011043	Screw, Pump Mounting	4	
116E	7011044	Gasket	1	
117	4360461	Switch, Temperature	1	

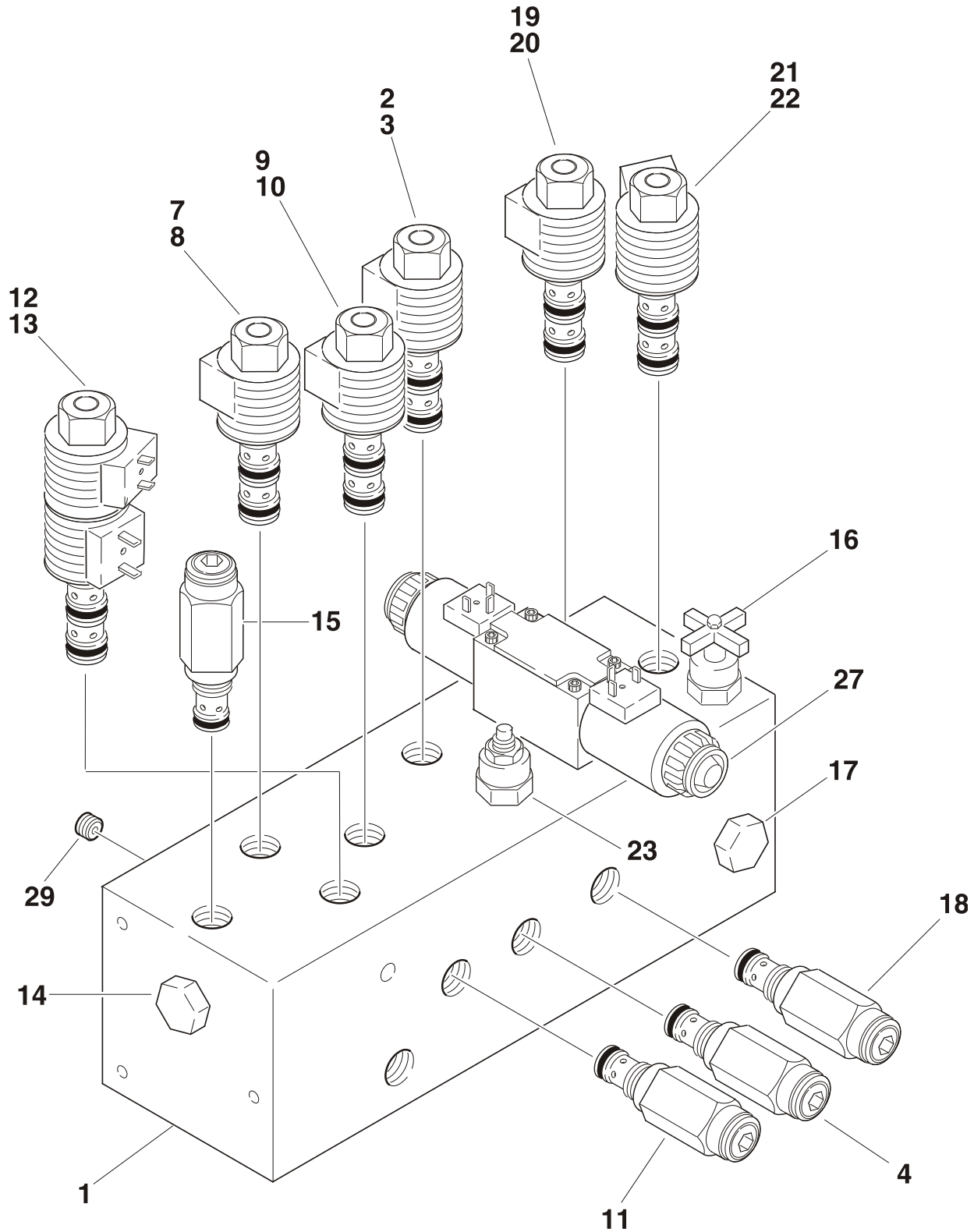
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FIGURE 2-2. HYDRAULIC COMPONENT INSTALLATIONS - 2032E2/2632E2/2646E2/3246E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
118	4400422	Tank, Hydraulic	1	
118A	1120491	Lid	1	
118B	3780199	O-Ring	1	
118C	2200233	Plug, Drain (S/N 71406 to Present Only)	1	
119	4420038	Tape, Rubatex	41in/1m	
120	4567271	Tube, Return	1	
121		Tube, Supply Options:	1	
	Use 4567272	3246E2 Prior to S/N 88558 (Was p/n 4567893)		
122	4641036	Valve Assembly (See Figure 2-4 for Breakdown)	1	
123	4751400	Flatwasher 1/4"	2	
124	4751500	Flatwasher 5/16"	6	
125	4751600	Flatwasher 3/8"	8	
126	4761500	Lockwasher 5/16"	4	
127	4846040	Counterweight	1	

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FIGURE 2-3. VALVE ASSEMBLY - STANDARD CONTROLS MACHINES



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FIGURE 2-3. VALVE ASSEMBLY - STANDARD CONTROLS MACHINES

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	4641020	VALVE ASSEMBLY	Ref.	D
1	Not Serviced	Block, Manifold	1	
2	7018978	Cartridge less Coil (Dump)	1	
	7018313	Seal Kit - 7018978 Cartridge	1	
3		Coil Options:	1	
	Use 7022522	24V (was p/n 7016352) (Prior to S/N 75029)		
	7022522	20V (S/N 75029 to Present)		
4	7018919	Cartridge (Main Relief)	1	
	7016351	Seal Kit - 7018919 Cartridge	1	
5	Not Used			
6	Not Used			
7	7018967	Cartridge less Coil (Brake)	1	
	7016349	Seal Kit - 7018967 Cartridge	1	
8		Coil Options:	1	
	Use 7022522	24V (was p/n 7016352) (Prior to S/N 75029)		
	7022522	20V (S/N 75029 to Present)		
9	7018967	Cartridge less Coil (Lift)	1	
	7016349	Seal Kit - 7018967 Cartridge	1	
10		Coil Options:	1	
	Use 7022522	24V (was p/n 7016352) (Prior to S/N 75029)		
	7022522	20V (S/N 75029 to Present)		
11	7018302	Cartridge Relief (Lift Relief)	1	
	7016351	Seal Kit - 7018302 Cartridge	1	
12	7018979	Cartridge less Coil (Steer)	1	
	7018988	Seal Kit - 7018979 Cartridge	1	
13		Coil Options:	2	
	Use 7022522	24V (was p/n 7016352) (Prior to S/N 75029)		
	7022522	20V (S/N 75029 to Present)		
14	7018300	Cartridge, Shuttle (Steer)	1	
	Use 80434150	Seal Kit - 7018300 Cartridge (was p/n 7018301)	1	
15	7018919	Cartridge (Steer Relief Adjustment)	1	
	7016351	Seal Kit - 7018919 Cartridge	1	
16	7018312	Cartridge, Needle Valve (Tow)	1	
	7018313	Seal Kit - 7018312 Cartridge	1	
17	7018314	Cartridge, Flow Control (Flow Divider)	1	
	7018315	Seal Kit - 7018314 Cartridge	1	
18		Cartridge, Motion Control (Deceleration) Options:	1	
	Use 7022525	Cartridge Stamped "CP.....-10.0-15" (Was p/n 7018305)	1	
	7023875	Seal Kit - 7022525 Cartridge	1	
	7021366	Cartridge Stamped "CP.....-4.0-15)	1	
	Not Available	Seal Kit - 7021366 Cartridge	1	
19	7018967	Cartridge less Coil (Speed B)	1	
	7016349	Seal Kit - 7018967 Cartridge	1	
20		Coil Options:	1	
	Use 7022522	24V (was p/n 7016352) (Prior to S/N 75029)		
	7022522	20V (S/N 75029 to Present)		
21	7018967	Cartridge less Coil (Speed A)	1	

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FIGURE 2-3. VALVE ASSEMBLY - STANDARD CONTROLS MACHINES (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
22	7016349	Seal Kit - 7018967 Cartridge	1	
		Coil Options:	1	
23	Use 7022522	24V (was p/n 7016352) (Prior to S/N 75029)		
	7022522	20V (S/N 75029 to Present)		
	7018980	Cartridge (Slow Speed Adjustment)	1	
	7016351	Seal Kit - 7018980 Cartridge	1	
24 to 26	Not Used			
27	7018981	Block Valve Assembly - Drive	1	
	7012773	Seal Kit	1	
	7018917	Coil	2	
	7018912	Nut	2	
28	Not Used			
29	7018982	Orifice	1	

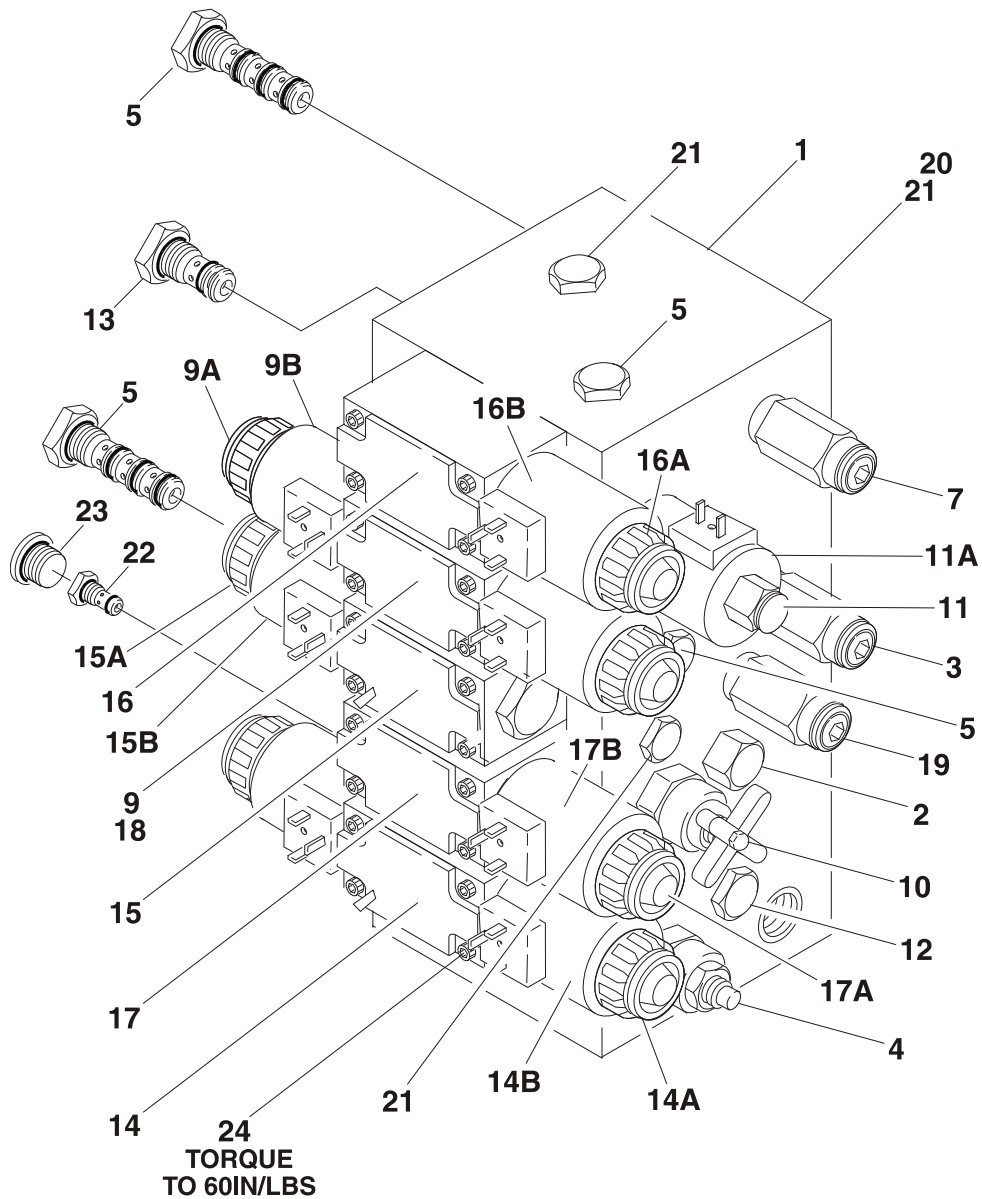
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FIGURE 2-3. VALVE ASSEMBLY - STANDARD CONTROLS MACHINES (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-4. VALVE ASSEMBLY - PROPORTIONAL CONTROLS MACHINES



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FIGURE 2-4. VALVE ASSEMBLY - PROPORTIONAL CONTROLS MACHINES

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	4641036	VALVE ASSEMBLY	Ref.	G
1	Not Serviced	Block, Valve	1	
2	7021300	Cartridge, Valve (Load Sense)	1	
	7021313	Seal Kit - 7021300 Cartridge	1	
3	7018302	Cartridge, Valve (Main Relief)	1	
	7016351	Seal Kit - 7018302 Cartridge	1	
4	7022525	Cartridge, Valve (Counterbalance) (Was p/n 7021301)	1	
	7016337	Seal Kit - 7021301 Cartridge	1	
	7016337	Seal Kit - 7022525 Cartridge	1	
5	7021302	Cartridge, Valve (Shuttle)	4	
	7021315	Seal Kit - 7021302 Cartridge	1	
6	Not Used			
7	7018302	Cartridge, Valve (Lift Relief)	1	
	7016351	Seal Kit - 7018302 Cartridge	1	
8	Not Used			
9	7018981	Rexroth Valve Section (Steer) (Was p/n 7021303)	1	
	7012773	Seal Kit - 7021303 & 7018981 Cartridge	2	
9A	7018912	Nut	2	
	7018943	O-Ring	2	
9B	Use 7018917	Coil (Was p/n 7012785)	2	
10	7018312	Cartridge, Valve (Tow)	1	
	7018313	Seal Kit - 7018312 Cartridge	1	
11	7018967	Cartridge Without Coil (Brake)	1	
	7016349	Seal Kit - 7018967 Cartridge	1	
11A	7016352	Coil	1	
12	7021304	Cartridge, Valve (Flow Divider)	1	
	7018315	Seal Kit - 7021304 Cartridge	1	
13	7018304	Cartridge, Valve (Check)	1	
	7016315	Seal Kit - 7018304 Cartridge	1	
14	7018981	Rexroth Valve Section (Drive)	1	
	7012773	Seal Kit - 7018981 Cartridge	1	
14A	7018912	Nut	2	
	7018943	O-Ring	1	
14B	Use 7018917	Coil (Was p/n 7012785)	2	
15	7021305	Rexroth Valve Section (Hi-Drive)	1	
	7012773	Seal Kit - 7021305 Cartridge	1	
	7018993	Plug	1	
15A	7018912	Nut	1	
	7018943	O-Ring	1	
15B	Use 7018917	Coil (Was p/n 7012785)	1	
16	7021306	Rexroth Valve Section (Lift)	1	
	7012773	Seal Kit - 7021306 Cartridge	1	
	7018993	Plug	1	
16A	7018912	Nut	1	
	7018943	O-Ring	1	
16B	Use 7018917	Coil (Was p/n 7012785)	1	

SECTION 2 GROUND COMPONENTS

FIGURE 2-4. VALVE ASSEMBLY - PROPORTIONAL CONTROLS MACHINES (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
17	7021307	Rexroth Valve Section (Posi-Trac)	1	
	7012773	Seal Kit - 7021307 Cartridge	1	
	7018993	Plug	1	
17A	7018912	Nut	1	
	7018943	O-Ring	1	
17B	Use 7018917	Coil (Was p/n 7012785)	1	
18	7018941	Orifice 1.2mm	2	
19	7018919	Cartridge, Valve (Steer Relief)	1	
	7016351	Seal Kit - 7018919 Cartridge	1	
20	7018916	Orifice 2.0mm	1	
21	7018905	Plug	1	
22	7022520	Cartridge, Check Valve	1	
	7023876	Seal Kit -7022520 Cartridge		
23	Use 2220886	Plug (was p/n 7018985)		
24	7018942	Capscrew, Socket Head #10-24NC x 2"	20	

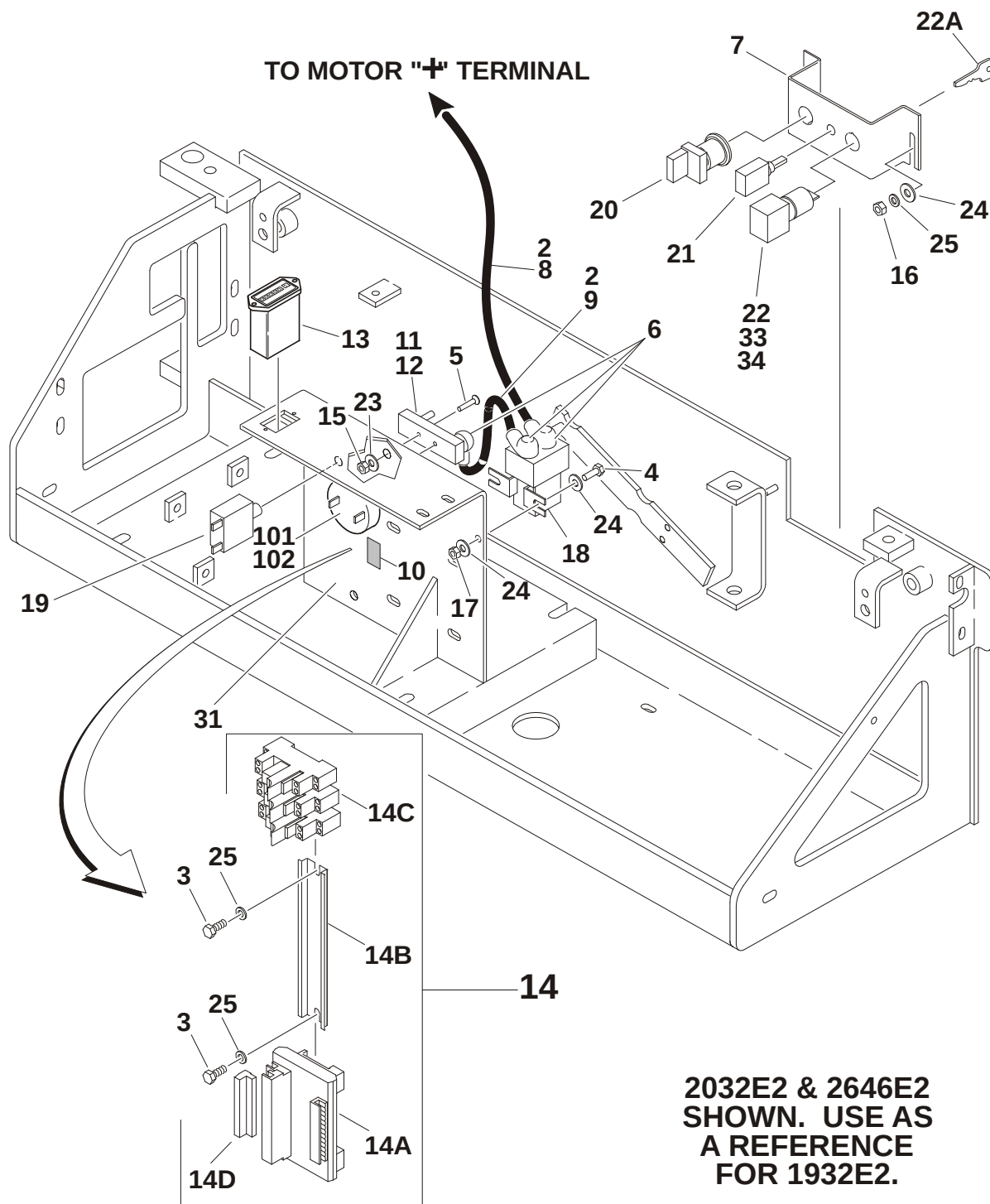
SECTION 2 GROUND COMPONENTS

FIGURE 2-4. VALVE ASSEMBLY - PROPORTIONAL CONTROLS MACHINES (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-5. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH STANDARD CONTROLS)



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FIGURE 2-5. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH STANDARD CONTROLS)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		ELECTRICAL COMPONENTS INSTALLATIONS (LEFT SIDE OF MACHINES WITH STANDARD CONTROLS)	Ref.	
	0258202	1532E2/1932E2	Ref.	F
	0258574	1532E2/1932E2 (Optional with Charger Interlock)	Ref.	D
	0270547	1532E2/1932E2 (Nikken/Taiyo Spec)	Ref.	B
	0258566	2032E2/2632E2/2646E2/3246E2	Ref.	E
	0258575	2032E2/2632E2/2646E2/3246E2 (Optional with Charger Interlock)	Ref.	D
	0259779	2032E2/2646E2/3246E2 (Nikken/Taiyo Spec)	Ref.	C
1	0100048	Grease, Dielectric (Not Shown)	A/R	
2	0100051	Grease, Terminal	A/R	
3	0641405	Bolt 1/4"-20NC x 5/8"	2	
4	0641406	Bolt 1/4"-20NC x 3/4"	2	
5	0741008	Screw, Flathead Socket #10-24NC x 1"	2	
6	0840025	Boot, Cable	6	
7		Bracket, Ground Control Options:	1	
	0902393	Prior to S/N 69428		
	Use 0902615	S/N 69428 to S/N 73083 (Was p/n 0902584)		
	0902615	S/N 73083 to Present		
8	1060666	Cable, Battery (Contactor to Motor)	1	
9	1060667	Cable, Battery (Fuse to Contactor)	1	
10	1703901	Decal, Relay Function	1	
11	2400041	Fuse - 200 Amp	1	
12	2400044	Block, Fuse Mounting	1	
13	2420165	Gauge, Hourmeter	1	
14	2901622	Diode Module Kit	1	C
14A	Use 0610153	PC Board (Was P/N 0610125) (Prior to S/N 104818)	1	
14B	3641236	Rail	1	
14C	3740129	Relay	3	
14D	4460716	Terminal	1	
15	3311005	Locknut #10-24NC	2	
16	3311401	Nut 1/4"-20NC	2	
17		Locknut Options:	2	
	3311405	Locknut 1/4"-20NC		
	3300408	Locknut, Nylon Insert		
18	3740131	Contactor, Main	1	
19	4360112	Breaker, Circuit - 5 Amp	1	
20		Switch, Emergency Stop Options:	1	
	4360289	Switch Used Prior to S/N 69428		
	7012611	Head, Mushroom (4360289 Switch)	1	
	7012612	Boot (4360289 Switch)	1	
	4360475	Switch Used S/N 69428 to Present		
	7020175	Head, Mushroom (4360475 Switch)	1	
	7020176	Block, Contact (4360475 Switch)	1	
21	4360328	Switch, Toggle	1	

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FIGURE 2-5. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH STANDARD CONTROLS) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
22		Switch, Key Options:	1	
	4360432	Switch Used Prior to S/N 69428		
	4360471	Switch Used S/N 69428 to Present		
22A		Key, Replacement Options:	1	
	7016339	Key Used Prior to S/N 69428		
	2860030	Key Used S/N 69428 to Present		
23	4751000	Flatwasher #10	2	
24	4751400	Flatwasher 1/4"	6	
25	4761400	Lockwasher 1/4"	4	
26	4922032	Harness, Power (Not Shown - See Section 7 for Breakdown)	1	
27	4922033	Harness, Lift Switch Power (Not Shown - See Section 7 for Breakdown)	1	
28		Harness, Valves Options (Not Shown - See Section 7 for Breakdown)	1	
	4922102	1532E2/1932E2		
	4922034	2032E2/2632E2/2646E2/3246E2		
29		Harness, Ground Controls Options (Not Shown - See Section 7 for Breakdown):	1	
	4922035	Standard Specs		
	4922331	Nikken/Taiyo Spec		
30	4922144	Harness, Relays (Not Shown - See Section 7 for Breakdown)	1	
31	Use 0902615	Bracket 1532E2/1932E2 (Was 0902433)	1	
	Use 0902615	Bracket 2032E2/2632E2/2646E2/3246E2 (Was 4845664)		
32		Harness, Charger Interlock (Not Shown - See Section 7 for Breakdown)	A/R	
	Not Required	1532E2/1932E2/2032E2/2646E2/3246E2 w/o Charger Interlock	1	
	4922198	1532E2/1932E2 with Charger Interlock	1	
	4922199	2032E2/2632E2/2646E2/3246E2 with Charger Interlock	1	
33	3910804	Screw #6-32NC x 1/4" (S/N 69428 to Present Only)	6	
34		Shim Options:	A/R	
	4070987	Shim (.015) (S/N 69428 to S/N 85982 Only)	5	
	4071006	Shim (0.090) (S/N 85982 to Present Only)	1	
35		Harness, Key Switch Options (Not Shown - See Section 7 for Breakdown):	1	
	Not Required	Standard Specs		
	4922332	Nikken Spec		
36	0902433	Bracket (Nikken/Taiyo Spec Only - Not Shown)	1	
37	3740069	Relay (Nikken/Taiyo Spec Only - Not Shown)	1	
		ALARM INSTALLATIONS (OPTIONAL)	Ref.	
	0257811	Descent Alarm	Ref.	A
	0257813	Motion Alarm	Ref.	A
	0257812	Travel Alarm	Ref.	A
101	0100048	Grease, Dielectric	A/R	
102	0140042	Alarm	1	

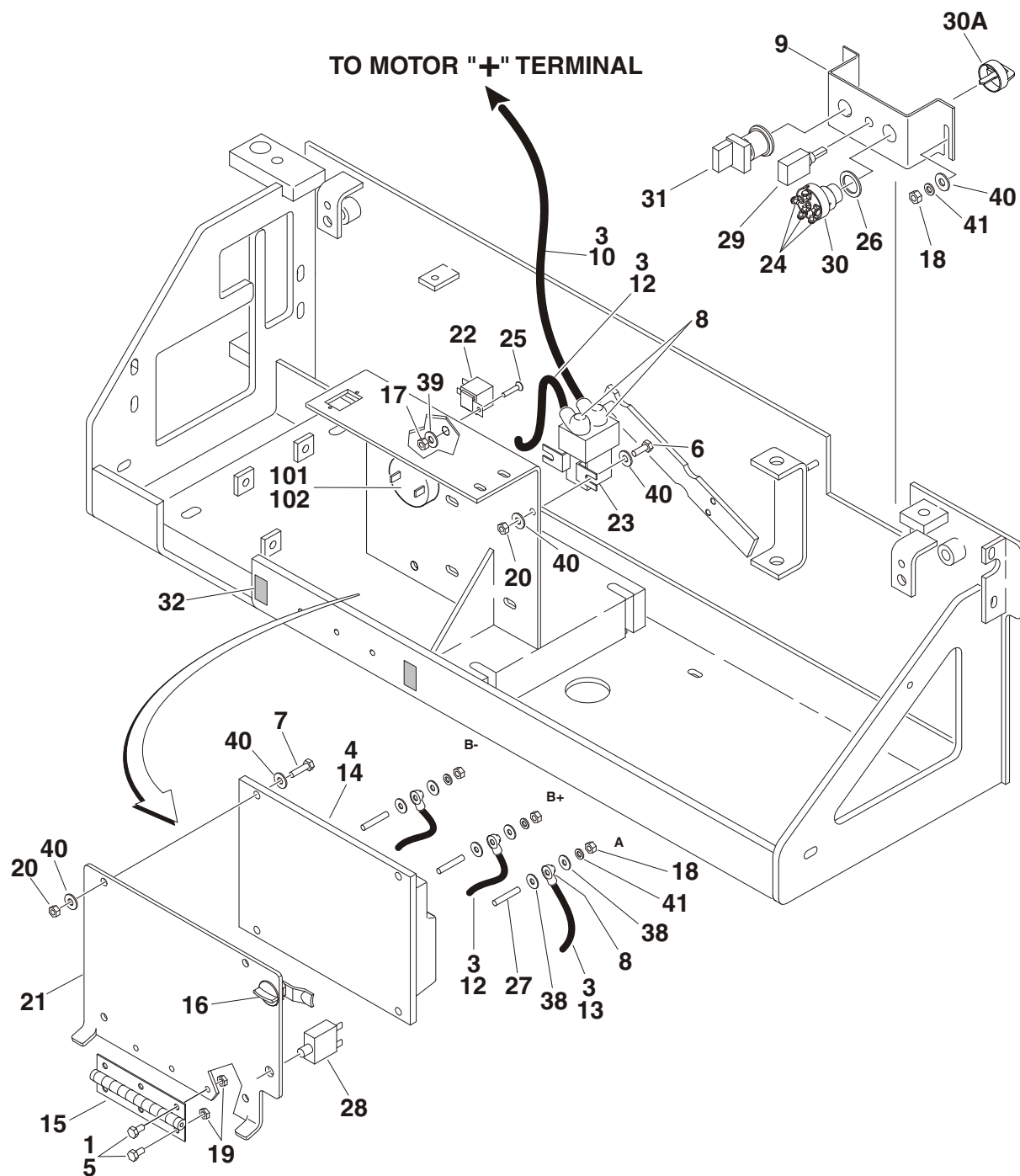
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FIGURE 2-5. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH STANDARD CONTROLS) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-6. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH PROPORTIONAL CONTROLS)



SECTION 2 GROUND COMPONENTS

FIGURE 2-6. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH PROPORTIONAL CONTROLS)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		ELECTRICAL COMPONENTS INSTALLATIONS (LEFT SIDE OF MACHINES WITH PROPORTIONAL CONTROLS)	Ref.	
	0259678	3246E2	Ref.	D
	0259678	2632E2 (Prior to S/N 104445)	Ref.	D
	0272376	2632E2 (S/N 104445 to Present)	Ref.	A
	0259677	2632E2 / 3246E2 (Optional with Charger Interlock)	Ref.	D
1	0100011	Loctite #242	A/R	
2	0100048	Grease, Dielectric (Not Shown)	A/R	
3	0100051	Grease, Terminal	A/R	
4	0100076	Compound, Silicone Release	A/R	
5	0641404	Bolt 1/4"-20NC x 1/4"	6	
6	0641405	Bolt 1/4"-20NC x 5/8"	2	
7	0641408	Bolt 1/4"-20NC x 1"	4	
8	0840025	Boot, Cable	8	
9		Bracket, Ground Control Options:	1	
	Use 0902615	Prior to S/N 73083 (Was p/n 0902584)		
	0902615	S/N 73083 to Present		
10	1060666	Cable, Battery (Contactor to Motor)	1	
11	1060680	Cable, Electrical - 18/2 (Not Shown- Apply Item #3 to Terminal Ends)	2ft/.6m	
12	1060763	Cable, Battery (Contactor to Controller B+)	1	
13	1060764	Cable, Battery (Controller A to Motor)	1	
14	1600289	Controller, Smart System (Apply Item #4 on entire back surface of unit when replacing)	1	
15	2600231	Hinge	1	
16	2940119	Latch, Panel	1	
17		Locknut Options:	1	
	3300408	3246E2		
	3300408	2632E2 (Prior to S/N 104445)		
	Not Used	2632E2 (S/N 104445 to Present)		
	3311005	2632E2 / 3246E2 (Optional with Charger Interlock)		
18	3311401	Nut 1/4"-20NC	5	
19	3311402	Nut, Jam 1/4"-20NC	6	
20	3311405	Locknut 1/4"-20NC	6	
21	3571652	Plate, Controller Mounting	1	
22		Relay, Power Options:	1	
	3740069	3246E2		
	3740069	2632E2 (Prior to S/N 104445)		
	Not Used	2632E2 (S/N 104445 to Present)		
	3740069	2632E2 / 3246E2 (Optional with Charger Interlock)		
23	3740131	Contactor, Main	1	
24	3910804	Screw, Round Head #8-24NC x 1/2"	3	
25		Screw, Round Head #10-24NC x 1" Options:	1	
	3911008	3246E2		
	3911008	2632E2 (Prior to S/N 104445)		
	Not Used	2632E2 (S/N 104445 to Present)		
	3911008	2632E2 / 3246E2 (Optional with Charger Interlock)		

SECTION 2 GROUND COMPONENTS

FIGURE 2-6. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH PROPORTIONAL CONTROLS) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
26		Shim Options:	A/R	
	4070987	Shim (.015) (S/N 69428 to S/N 85982 Only)	5	
	4071006	Shim (0.090) (S/N 85982 to Present Only)	1	
27	4300133	Stud, Brass 1/4"-20NC x 1 1/2"	3	
28	4360112	Breaker, Circuit - 5 Amp	1	
29	4360328	Switch, Toggle	1	
30	4360469	Switch, Key	1	
30A	2860030	Key, Replacement	1	
31	4360475	Switch, Emergency Stop	1	
	7020175	Head, Mushroom	1	
	7020176	Block, Contact	1	
32	4420055	Tape	1 in/2.54cm	
33 to 37	Not Used			
38	4740479	Flatwasher, Brass	6	
39		Flatwasher #10 Options:	2	
	4751000	3246E2		
	4751000	2632E2 (Prior to S/N 104445)		
	Not Used	2632E2 (S/N 104445 to Present)		
	4751000	2632E2 / 3246E2 (Optional with Charger Interlock)		
40	4751400	Flatwasher 1/4"	14	
41	4761400	Lockwasher 1/4"	5	
42		Harness, Charger Interlock	A/R	
		(Not Shown - See Section 7 for Breakdown)		
	Not Required	Without Charger Interlock	1	
	4922199	With Charger Interlock	1	
43	4922300	Harness, Valves	1	
		(Not Shown - See Section 7 for Breakdown)		
44	4922302	Harness, Ground Controls	1	
		(Not Shown - See Section 7 for Breakdown)		
45	4922327	Harness, Relays	2	
		(Not Shown - See Section 7 for Breakdown)		
		ALARM INSTALLATIONS (OPTIONAL)	Ref.	
	0257811	Descent Alarm	Ref.	A
	0257813	Motion Alarm	Ref.	A
	0257812	Travel Alarm	Ref.	A
101	0100048	Grease, Dielectric	A/R	
102	0140042	Alarm	1	

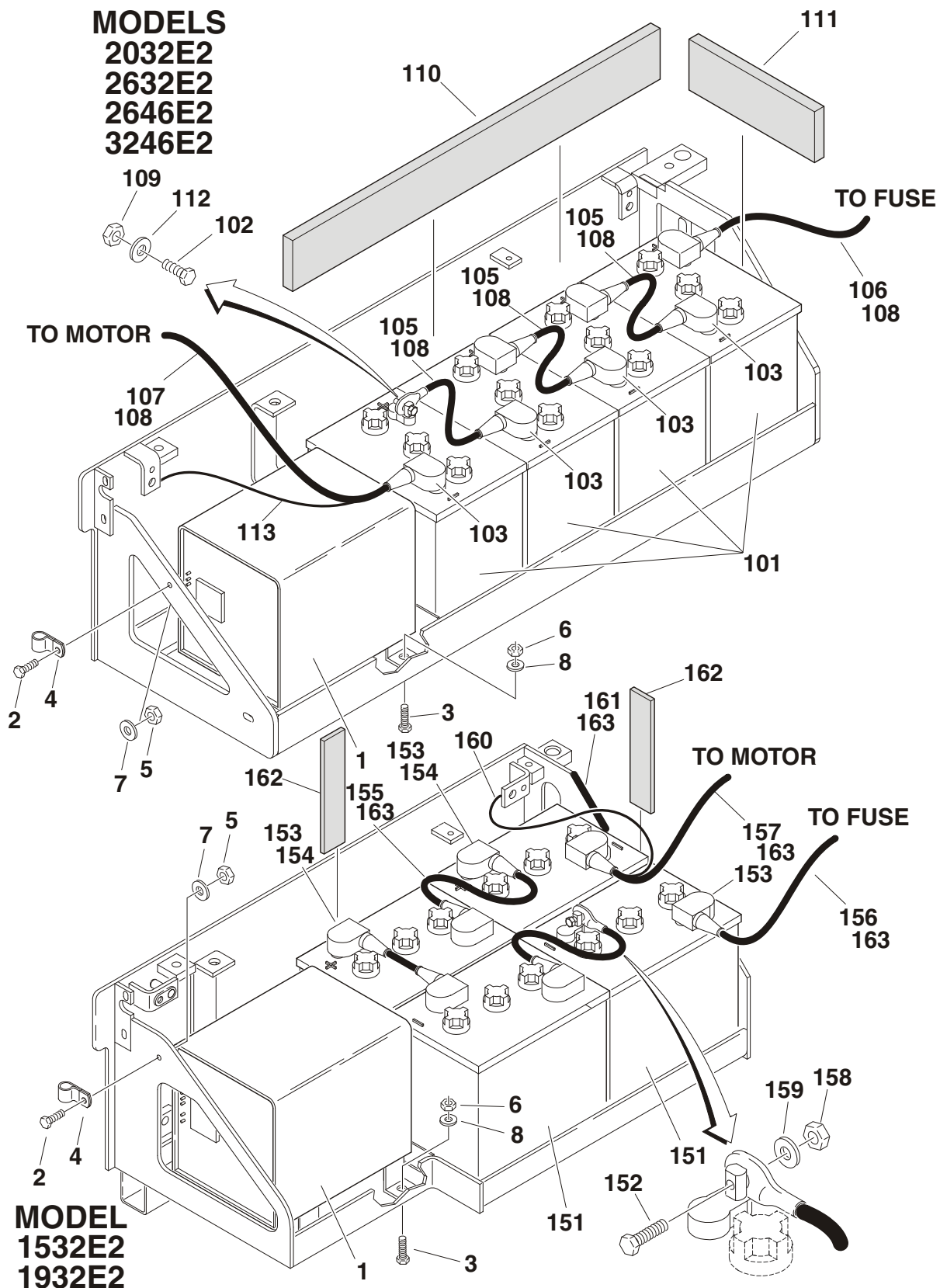
SECTION 2 GROUND COMPONENTS

FIGURE 2-6. ELECTRICAL COMPONENT INSTALLATIONS (LEFT SIDE OF MACHINES WITH PROPORTIONAL CONTROLS) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-7. ELECTRICAL COMPONENT INSTALLATIONS (RIGHT SIDE)



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FIGURE 2-7. ELECTRICAL COMPONENT INSTALLATIONS (RIGHT SIDE)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		BATTERY CHARGER INSTALLATIONS	Ref.	
	0258218	1532E2/1932E2 with 120-240V/50-60Hz Charger (Standard)	Ref.	D
	0258276	1532E2/1932E2 with 100-200V/50-60Hz Charger (Japanese Spec)	Ref.	D
	0257870	2032E2/2632E2/2646E2 & 3246E2 with 120-240V/50-60Hz Charger (Standard)	Ref.	C
	0257871	2032E2/ 2632E2/2646E2 & 3246E2 with 100-200V/50-60Hz Charger (Japanese Spec)	Ref.	C
	0272362	1532E2/1932E2 with Customer Supplied Charger	Ref.	A
	0272363	2032E2/2632E2/2646E2 & 3246E2 with Customer Supplied Charger	Ref.	A
1		Battery Charger Assembly Options (See Figure 2-8 for Breakdown):	1	
	0400170	120-240V/50-60Hz (Standard Machines)		
	Use 0400204	100-200V/50-60Hz (Japanese Machines) Prior to S/N 92553 (Was P/N 0400177)		
2	0641406	Bolt 1/4"-20NC x 3/4"	1	
3	0641507	Bolt 5/16"-18NC x 7/8"	4	
4	1320040	Clamp, Cable	1	
5	3311405	Locknut 1/4"-20NC	1	
6	3311505	Locknut 5/16"-18NC	4	
7	4751400	Flatwasher 1/4"	1	
8	4751500	Flatwasher 5/16"	8	
9		Harness, Charger Options (Not Shown - See Section 7 for Breakdown):	1	
	4922096	1532E2/1932E2		
	4922067	2032E2/2646E2		
10	1701644	Decal - Battery Charger (Not Shown)	1	
		BATTERY COMPONENTS INSTALLATIONS	Ref.	
	0259858	2632E2 with Proportional Controls	Ref.	B
	0257663	2032E2 & 2646E2	Ref.	C
	0259229	3246E2 with Standard Controls	Ref.	B
	0259621	3246E2 with Proportional Controls	Ref.	B
101		Battery Options:	4	
		Wet Cell (2032E2/2646E2)		
	Use 0400215	Prior to S/N 112124 (Was P/N 0400169)		
	0400215	S/N 112124 to Present		
		Wet Cell (3246E2/2632E2)		
	Use 0400216	Prior to S/N 112124 (Was P/N 0400151)		
	0400216	S/N 112124 to Present		
	Not Available	Dry Cell		
102	0630526	Screw, Washer Head 5/16"-18NC x 1 1/4" (Prior to S/N 112124)	8	
103	0840031	Boot, Terminal (d shape)	7	
104	Not Used			

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FIGURE 2-7. ELECTRICAL COMPONENT INSTALLATIONS (RIGHT SIDE) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
105	Use 1061017	Cable, Battery (Terminal to Terminal) Options: Prior to S/N 112124 (Was P/N 1060665)	3	
	1061017	S/N 112124 to Present		
106		Cable, Battery Options (Battery +):	1	
	1060668	Standard Controls		
	1060775	Proportional Controls		
	1060796	Proportional Controls (2632E2 Only) (P/N 1060796 Includes Both Items 106 & 107 as 1 Cable Assembly)		
107		Cable, Battery Options (Battery -):	1	
	1060669	Standard Controls		
	1060774	Proportional Controls		
	1060796	Proportional Controls (2632E2 Only) (P/N 1060796 Includes Both Items 106 & 107 as 1 Cable Assembly)		
108	0100051	Grease, Battery Terminal	A/R	
109	3300429	Nut, Special 5/16"-18NC (Prior to S/N 112124)	8	
110	4940026	Spacer, Wood	1	
111	4940027	Spacer, Wood	1	
112	4740474	Lockwasher, Stainless 5/16" (Prior to S/N 112124)	8	
113	4922090	Harness - Ground	1	
114	0902552	Bracket, Cable Mounting (2632E2 Only - Not Shown)	1	
	0258059	BATTERY COMPONENTS INSTALLATIONS - 1532E2/ 1932E2	Ref.	D
151		Battery Options:	4	
		Wet Cell (Standard)		
	0400169	Prior to S/N 112124		
	0400215	S/N 112124 to Present		
	Not Available	Dry Cell (Standard)		
152	0630526	Screw, Washer Head 5/16"-18NC x 1 1/4" (Prior to S/N 112124)	8	
153	0840031	Boot, Terminal (d shape)	7	
154	0840032	Boot, Terminal (b shape) (Prior to S/N 49355)	3	
155		Cable, Battery (Terminal to Terminal) Options:	3	
	1060665	Prior to S/N 112124		
	1061017	S/N 112124 to Present		
156	1060681	Cable, Battery (Battery + to Fuse)	1	
157	1060682	Cable, Battery (Battery - to Motor)	1	
158	3300429	Nut, Special 5/16"-18NC (Prior to S/N 112124)	8	
159	4740474	Lockwasher, Stainless 5/16" (Prior to S/N 112124)	8	
160	4922090	Harness - Ground	1	
161	4060805	Flex-Trim (S/N 61592 to Present)	5in/14cm	
162	0940087	Arm, Bumper (S/N 49355 to Present)	4	
163	0100051	Grease, Battery Terminal	A/R	

SECTION 2 GROUND COMPONENTS

FIGURE 2-7. ELECTRICAL COMPONENT INSTALLATIONS (RIGHT SIDE) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-8. BATTERY CHARGER ASSEMBLIES

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		BATTERY CHARGER ASSMBLIES OPTIONS:	Ref.	
		Note: Battery Charger Serial Number Nameplate located on front of charger. To decode build date, look at first line for Charger Spec and Date Code.	Ref.	
		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.		
		Note: Original Equipment components may have been replaced with Service Replacement components. Identify the Battery Charger by the Serial Number Nameplate before ordering parts.	Ref.	
	0400170	120-240V/50-60Hz (ANSI Spec Machines)	Ref.	C
		100-200V/50-60Hz (Japanese Spec Machines)	Ref.	
	0400177	Original Equipment	Ref.	B
	0400204	Service Replacement	Ref.	A
1	7018576	Bushing, Snap	4	
2		Relay Options:	1	
	7018564	ANSI Spec		
	7018506	Japanese Spec		
3	Not Available	Handle, Case (Not Shown - To replace purchase item 4)	1	
4	7018591	Cover with Handle (Not Shown)	1	
5		Case, Main Options:	1	
	7020606	ANSI Spec		
		Japanese Spec		
	7018596	Assy p/n 0400177		
	See Note	Assy p/n 0400204 (Note: Not Available for Purchase)		
6	7011509	Breaker, Circuit - DC	1	
7		Breaker, Circuit - AC Options:	A/R	
	7018514	ANSI Spec		
	7018597	Japanese Spec		
8		Card, Circuit Options:	1	
	7018578	ANSI Spec		
	7018598	Japanese Spec		
9	7018579	Clamp	2	
10	7011621	Connector - 2 Position	1	
11		Cord Set - DC Options:	1	
	Use 7018581	ANSI Spec (was p/n 7018580)		
		Japanese Spec		
	Use 7011656	Assy p/n 0400177 (was p/n 7020604)		
	7022936	Assy p/n 0400204		
12		DC Assembly with Plug Options:	1	
	7018581	ANSI Spec		
		Japanese Spec		
	7020600	Assy p/n 0400177		
	See Note	Assy p/n 0400204 (Note: Not Available for Purchase)		

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FIGURE 2-8. BATTERY CHARGER ASSEMBLIES (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
13	7018582	Harness, 2400 SCR	1	
14	7018583	Plug, AC Inlet	1	
15	Use 7018583	Plug Assembly, AC Inlet (was p/n 7018584)	1	
16	7011590	Plug	1	
17		Rectifier Assembly with Heatsink and Rectifiers	2	
		Options:		
	7018585	ANSI Spec		
		Japanese Spec		
	Use 7018585	Assy p/n 0400177 (was p/n 7020601)		
	7020672	Assy p/n 0400204		
18		Rectifier Options:	1	
	7018555	ANSI Spec		
		Japanese Spec		
	7018555	Assy p/n 0400177		
	7020673	Assy p/n 0400204		
19		Shunt Assembly Options:	1	
	Use 7020651	ANSI Spec (was p/n 7020605)		
		Japanese Spec		
	7018554	Assy p/n 0400177		
	7020651	Assy p/n 0400204		
20	7011529	Connector, Strain Relief	1	
21	7018586	Switch, Slide	1	
22		Transformer Options:	1	
	Use 7020639	ANSI Spec (was p/n 7018587)		
		Japanese Spec		
	7020602	Assy p/n 0400177		
	7022937	Assy p/n 0400204		
23	7018588	Rail	2	
24		Varistor Assembly Options:	1	
	7018589	ANSI Spec		
	7020603	Japanese Spec		
25		Varistor Options:	1	
	7018537	ANSI Spec		
	7011596	Japanese Spec		
26	Not Used			
27		Cord, AC Options:	A/R	
	Not Required	ANSI Spec		
		Japanese Spec		
	7018599	Assy p/n 0400177		
	See Note	Assy p/n 0400204 (Note: Not Available for Purchase)		

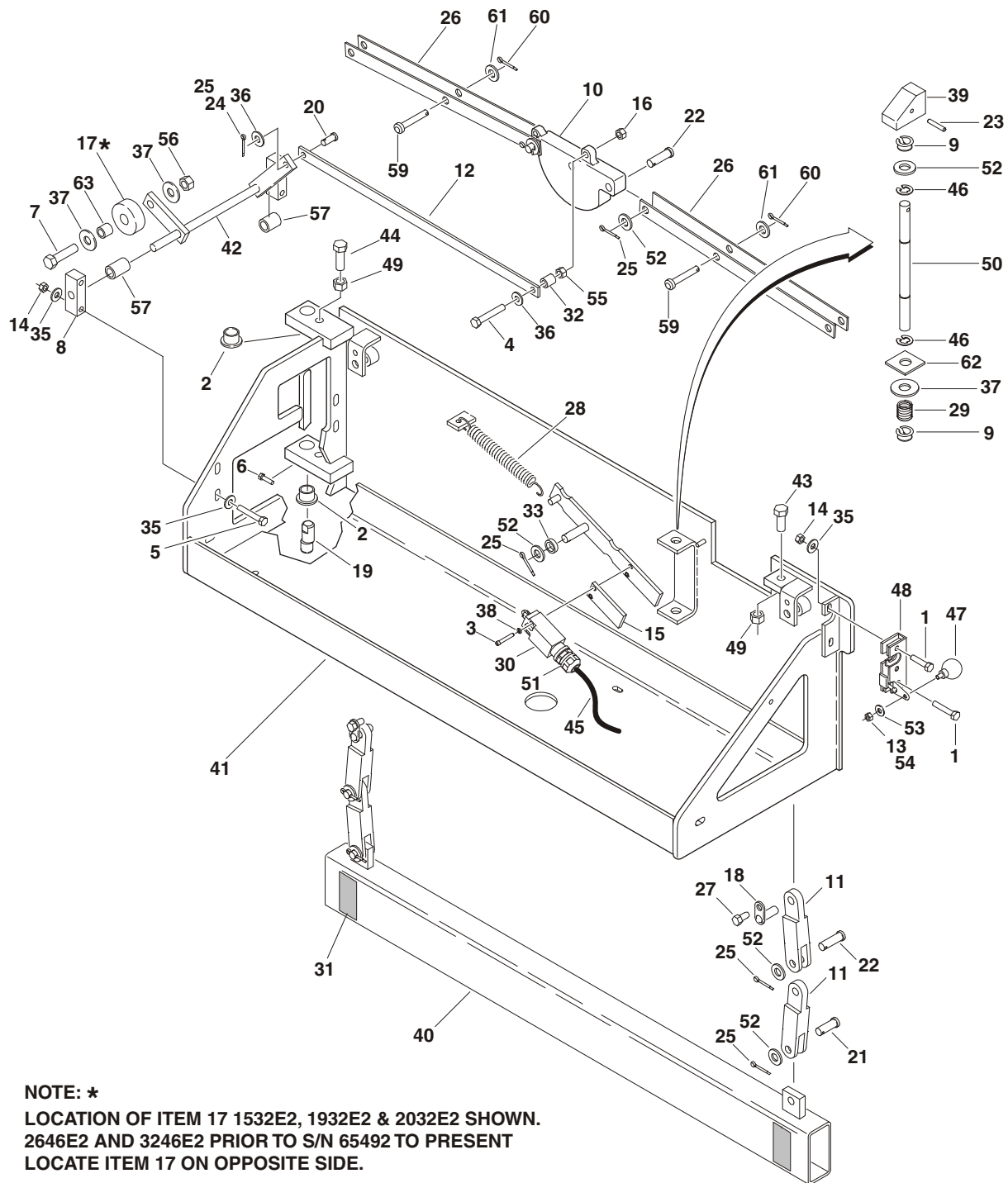
SECTION 2 GROUND COMPONENTS

FIGURE 2-8. BATTERY CHARGER ASSEMBLIES (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 2-9. POTHOLE PROTECTION AND TRAY INSTALLATIONS



SECTION 2 GROUND COMPONENTS

FIGURE 2-9. POTHOLE PROTECTION AND TRAY INSTALLATIONS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		POTHOLE PROTECTION AND TRAY INSTALLATIONS	Ref.	
		OPTIONS:		
	0258054	1532E2/1932E2 Left Side	Ref.	J
	0258055	1532E2/1932E2 Right Side	Ref.	K
	0258840	2032E2 Prior to S/N 64779 (Left Side)	Ref.	C
	0259256	2032E2 S/N 64779 (Left Side)	Ref.	C
	0270422	2032E2 S/N 85151 to Present (Left Side)	Ref.	D
	0258838	2032E2 Prior to S/N 64779 (Right Side)	Ref.	C
	0259257	2032E2 S/N 64779 to Present (Right Side)	Ref.	F
	0270422	2632E2 (Left Side)	Ref.	D
	0259422	2632E2 (Right Side)	Ref.	E
	0257759	2646E2 Prior to S/N 64779 (Left Side)	Ref.	H
	0259256	2646E2 S/N 64779 to Present (Left Side)	Ref.	C
	0257758	2646E2 Prior to S/N 64779 (Right Side)	Ref.	H
	0259257	2646E2 S/N 64779 to Present (Right Side)	Ref.	F
	0257759	3246E2 with Standard Controls Prior to S/N 57514 (Left Side)	Ref.	H
	0259256	3246E2 with Standard Controls S/N 57514 to Present (Left Side)	Ref.	C
	0257758	3246E2 with Standard Controls Prior to S/N 57514 (Right Side)	Ref.	H
	0259257	3246E2 with Standard Controls S/N 57514 to Present (Right Side)	Ref.	F
	0259740	3246E2 with Proportional Controls (Left Side)	Ref.	E
	0259416	3246E2 with Proportional Controls (Right Side)	Ref.	A
		Note: Quantities shown are for one side except where indicated.	Ref.	
1	0641511	Bolt 5/16"-18NC x 1 3/8"	3	
2	0440223	Bearing, Flanged	2	
3	0630519	Bolt, Socket Head #10-32 (Prior to S/N 52370)	2	
	0630532	Bolt, Socket Head #10-32 (S/N 52370 to Present)	2	
4	0641614	Bolt 3/8"-16NC x 1 3/4"	1	
5	0641516	Bolt 5/16"-18NC x 2"	4	
6	3951603	Bolt 3/8"-16NC x 3/8"	2	
7	0641816	Bolt 1/2"-13NC x 2"	1	
8	0561313	Block, Pillow	2	
9	0962150	Bushing, Rod Guide	2	
10	Use 1100115	Cam, Pothole (Was 1100119)	1	
11	3010117	Link, Vertical Pothole	4	
12		Link, Cam Puller Options:	1	
	3570813	1532E2/1932E2		
	3010118	2032E2/2632E2/2646E2/3246E2		
13		Locknut 1/4"-20NC Options:	1	
		1532E2/1932E2		
	3311405	Prior to S/N 110515		
	2080063	S/N 110515 to Present		
		2032E2/2632E2/2646E2/3246E2		
	3311401	Prior to S/N 110515		

SECTION 2 GROUND COMPONENTS

FIGURE 2-9. POTHOLE PROTECTION AND TRAY INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
13 (cont'd)	2080063	S/N 110515 to Present		
14	3311505	Locknut 5/16"-18NC	7	
15	4070980	Shim (S/N 52370 to Present)	1	
16	3311605	Locknut 3/8"-16NC	2	
17		Roller, Extension Options:	1	
	Use 3860093 & 0962347	Roller, 2 1/8" Diameter (Was P/N 3860083 & 3860088)		
	Use 3860089	Roller, 4 1/16" Diameter (Was P/N 3860086)		
18	3422648	Pin, Pothole Link	2	
19	3422659	Pin, Eccentric	1	
20	3430607	Pin, Clevis	1	
21	3430811	Pin, Clevis	2	
22	3430813	Pin, Clevis	4	
23	3440618	Rollpin	1	
24	3450303	Pin, Cotter 3/32" x 3/4"	1	
25	3450404	Pin, Cotter 1/8" x 1"	7	
26		Plate, Horizontal Pothole Options:	4	
	3570811	1532E2/1932E2		
	3570299	2032E2/2646E2/3246E2 Prior to S/N 73083		
	3010122	2032E2/2632E2/2646E2/3246E2 S/N 73083 to Present		
27	3941606	Screw, Hex 3/8"-16NC x 7/8"	2	
28		Spring, Pothole Options:	1	
	Use 4160181	1532E2/1932E2 Prior to S/N 59220 (Was p/n 4160179)		
	Use 4160181	2032E2/2646E2/3246E2 Prior to S/N 59220 (Was p/n 4160163)		
	4160181	1532E2/1932E2/2632E2/2032E2/2646E2/3246E2 S/N59220 to Present		
29		Spring, Compression Options:	1	
	4160178	1532E2/1932E2		
	Use 4160178	2032E2/2646E2/3246E2 Prior to S/N 59220 (Was p/n 4160172)		
	4160178	2032E2/2632E2/2646E2/3246E2 S/N59220 to Present		
30	4360456	Switch, Pothole Limit	1	
31	4420062	Tape, UHMW (Prior to S/N 111642)	16in/41cm	
32		Tube, Spacer	1	
	4567501	1532E2/1932E2 Prior to S/N 59220		
	4567358	2032E2/2646E2/3246E2 Prior to S/N 59220		
	4567885	1532E2/1932E2/2032E2/2632E2/2646E2/3246E2 S/N59220 to Present		
33	4740485	Tube, Plastic Spacer	1	
34	Not Used			
35	4751500	Flatwasher 5/16"	12	
36	4711600	Flatwasher 3/8" Narrow	2	
37	4751800	Flatwasher 1/2"	3	
38	4761000	Lockwasher #10	2	
39	0561314	Block, Wedge	1	

SECTION 2 GROUND COMPONENTS

FIGURE 2-9. POTHOLE PROTECTION AND TRAY INSTALLATIONS (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
40		Pothole Bar Weldment Options:	1	
	4845684	1532E2/1932E2		
	4845541	2032E2/2646E2/3246E2 Prior to S/N 73083		
	4846217	2032E2/2632E2/2646E2/3246E2 S/N 73083 to Present		
	4845541	3246E2 Prior to S/N 57514		
	4846015	3246E2 S/N 57514 to S/N 73083		
	4846217	3246E2 S/N 73083 to Present		
41		Tray Weldment Options:	1	
	4845626	1532E2/1932E2 Left Side Prior to S/N 59765 (Hydraulic Component Tray)		
	4846042	1532E2/1932E2 Left Side S/N 59765 to Present (Hydraulic Component Tray)		
	4845627	1532E2/1932E2 Right Side Prior to S/N 59765 (Battery Component Tray)		
	4846043	1532E2/1932E2 Right Side S/N 59765 to Present (Battery Component Tray)		
	4845542	2032E2/2646E2 Prior to S/N 64779 Left Side (Hydraulic Component Tray)		
	4846009	2032E2/2646E2 S/N 64779 to Present Left Side (Hydraulic Component Tray)		
	4845546	2032E2/2646E2 Prior to S/N 64779 Right Side (Battery Component Tray)		
	4846010	2032E2/2632E2/2646E2 S/N 64779 to Present Right Side (Battery Component Tray)		
	4845542	3246E2 with Standard Controls Prior to S/N 57514 Left Side (Hydraulic Component Tray)		
	4846009	3246E2 with Standard Controls S/N 57514 to Present Left Side (Hydraulic Component Tray)		
	4845546	3246E2 with Standard Controls Prior to S/N 57514 Right Side (Battery Component Tray)		
	4846010	3246E2 with Standard Controls S/N 57514 to Present Right Side (Battery Component Tray)		
	4846138	3246E2 with Proportional Controls Left Side (Hydraulic Component Tray)		
	4846040	3246E2 with Proportional Controls Right Side (Battery Component Tray)		
42		Activator Weldment	1	
	4845758	1532E2/1932E2 Left Side Prior to S/N 59765 (Hydraulic Component Tray)		
	4846044	1532E2/1932E2 Left Side S/N 59765 to Present (Hydraulic Component Tray)		
	4845759	1532E2/1932E2 Right Side Prior to S/N 59765 (Battery Component Tray)		
	4846045	1532E2/1932E2 Right Side S/N 59765 to Present (Battery Component Tray)		
	4845748	2032E2/2646E2/3246E2 Left Side (Hydraulic Component Tray)		
	4845749	2032E2/2632E2/2646E2/3246E2 Right Side (Battery Component Tray)		
43	0641810	Bolt 1/2"-18NC x 1 1/4"	A/R	
44	0641812	Bolt 1/2"-18NC x 1 1/2"	1	

SECTION 2 GROUND COMPONENTS

FIGURE 2-9. POTHOLE PROTECTION AND TRAY INSTALLATIONS (CONTINUED)

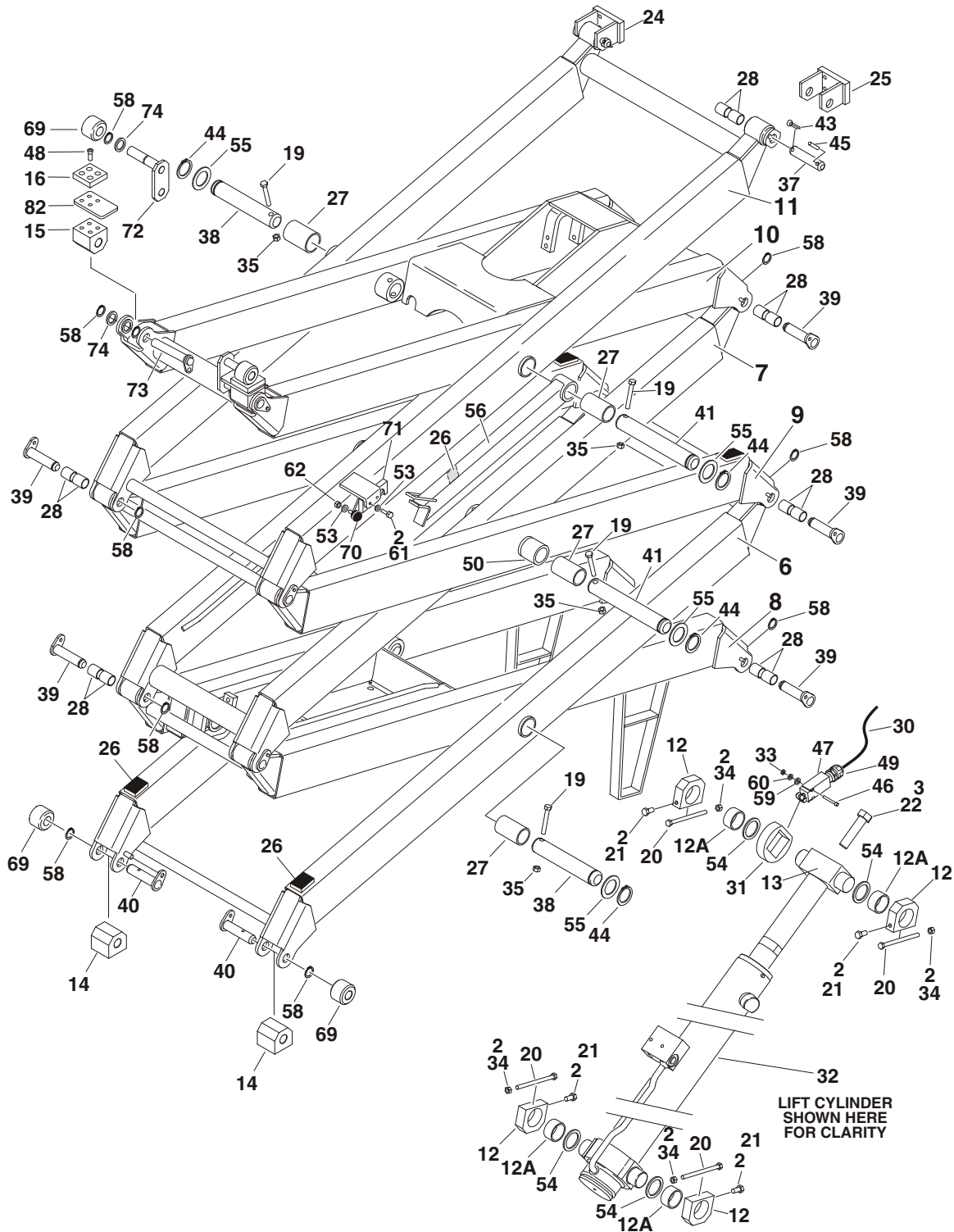
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
45	1060680	Cable, Electrical - 18/2 Options: Left Side (Hydraulic Component Tray) Right Side (Battery Component Tray)	A/R 3ft/.91m 9.6ft/3m	
46	1380150	Clip	3	
47	2560149	Handle, Latch	1	
48		Latch, Tray Options:	1	
	2940103	Left Side (Hydraulic Component Tray)		
	2940104	Right Side (Battery Component Tray)		
49	3311801	Nut 1/2"-18NC	2	
50		Rod, Safety Options:	1	
	3841380	1532E2/1932E2		
	3841390	2032E2/2632E2/2646E2/3246E2		
51		Connector, Strain Relief Options:	1	
	4460049	Prior to S/N 59220 (Was p/n 4160172)		
	4460662	S/N 59220 to Present		
52	4711800	Flatwasher 1/2" Narrow	8	
53	4751400	Flatwasher 1/4"	1	
54	0100011	Loctite #242 (Prior to S/N 110515)	A/R	
55	3311602	Nut, Jam 3/8"-16NC	1	
56	3311805	Locknut 1/2"-13NC	1	
57	4567557	Tube, Spacer	A/R	
58	Not Used			
59		Hardware Options:	2	
	0641414	Bolt 1/4"-20NC x 1 3/4" (1532E2/1932E2 Prior to S/N 73083)		
	3430412	Pin, Clevis (1532E2/1932E2 S/N 73083 to Present)		
	3430412	Pin, Clevis (2032E2/2632E2/2646E2/3246E2)		
60		Hardware Options:	2	
	3300151	Acorn Nut 1/4"-20NC (1532E2/1932E2 Prior to S/N 73083)		
	3450203	Pin, Cotter 1/16" x 3/4" (1532E2/1932E2 S/N 73083 to Present)		
	3450203	Pin, Cotter 1/16" x 3/4" (2032E2/2632E2/2646E2/3246E2)		
61		Hardware Options:	2	
	4751400	Flatwasher 1/4" (1532E2/1932E2)		
	4751000	Flatwasher #10 (2032E2/2646E2/3246E2)		
62	4740489	Washer, Square (S/N 73083 to Present Only)	1	
63	0962244	Bushing (S/N 59220 to Present Only)	1	

SECTION 3 SCISSOR ARMS

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SECTION 3 SCISSOR ARMS

FIGURE 3-1. SCISSOR ARMS INSTALLATION - 1532E2



SECTION 3 SCISSOR ARMS

FIGURE 3-1. SCISSOR ARMS INSTALLATION - 1532E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		SCISSOR ARMS INSTALLATION - 1532E2 OPTIONS:	Ref.	
	0270502	Standard Machines	Ref.	F
1	Not Used			
2	0100011	Loctite #242	A/R	
3	0100019	Loctite #271	A/R	
4 to 5	Not Used			
6	0200607	Arm Weldment (Bottom Outboard)	1	
7	0200610	Arm Weldment (Mid Inboard)	1	
8	0200611	Arm Weldment (Bottom Inboard)	1	
9		Arm Weldment (Mid Outboard) Options:	1	
	0200614	Prior to S/N 80167		
	0200711	S/N 80167 to Present		
10	0200709	Arm Weldment (Top Inboard)	1	
11	0200710	Arm Weldment (Top Outboard)	1	
12	0440238	Bushing Assembly	4	
12A	0440229	Bushing (1 per Assembly)	4	
13	0561278	Block, Pivot	1	
14	0561301	Block, Slide	2	
15		Block, Slide Options:	2	
	0561418	Prior to S/N 99830		
	0561301	S/N 99830 to Present		
16	0561419	Block, Slide (Prior to S/N 99830)	2	
17 to 18	Not Used			
19	0630528	Bolt 3/8"-16NC x 2 1/2" (Grade 8)	6	
20	0641536	Bolt 5/16"-18NC x 4 1/2"	4	
21	0641606	Bolt 3/8"-16NC x 3/4" (Prior to S/N 111642)	4	
22	0692224	Bolt 3/4"-16NF x 3"	1	
23	Not Used			
24	0902385	Bracket, Platform Attach (Right Side)	1	
25	0902386	Bracket, Platform Attach (Left Side)	1	
26	0940087	Pad, Bumper	9	
27	0440227	Bushing, Excelite	6	
28	0440228	Bushing, Excelite	24	
29	Not Used			
30	1060680	Cable, Electrical - 18/2	21ft/6.40m	
31	1100105	Cam, Activator	1	
32	1683603	Lift Cylinder Assembly (See Section 5 for Breakdown)	1	
33	3310801	Nut #8-32NC	2	
34	3311501	Nut 5/16"-18NC	4	
35	3311605	Locknut 3/8"-16NC	6	
36	Not Used			
37	3422641	Pin, Pivot	2	
38	3422746	Pin, Pivot	4	
39	3422882	Pin, Pivot	10	
40	3422862	Pin, Pivot	2	
41	3422747	Pin, Pivot	2	
42	Not Used			

SECTION 3 SCISSOR ARMS

FIGURE 3-1. SCISSOR ARMS INSTALLATION - 1532E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
43	3450804	Pin, Cotter 1/4" x 1"	2	
44	3760387	Ring, Retaining	6	
45	3841344	Rod, Retaining	2	
46	3900329	Screw, Socket Head #8-32NC x 1 1/2"	2	
47	4360548	Switch, Limit (was p/n 4360321)	1	
48	0741006	Screw, Countersunk #10-20NC x 3/4" (Prior to S/N 99830)	8	
49		Connector, Strain Relief Options:	1	
	4460662	1/2" Pipe Threads (Used on Limit Switch p/n 4360321)		
	4460968	M20-1.5 (Used on Limit Switch p/n 4360578)		
50	4567539	Tube, Safety Prop	1	
51 to 52	Not Used			
53	4711400	Washer 1/4" Narrow	3	
54	4740307	Washer, Thrust	4	
55	4740438	Washer, Special	6	
56	4846302	Prop, Safety	1	
57	4922091	Harness, Lift Down (Not Shown - See Section 7 for Breakdown)	1	
58	3760348	Ring, Retaining	20	
59	4750800	Flatwasher #8	2	
60	4760800	Lockwasher #8	2	
61	0641406	Bolt 1/4"-20NC x 3/4"	2	
62	3311405	Locknut 1/4"-20NC	1	
63 to 67	Not Used			
68	2820025	Insulate, Plastic Spring Guard (Not Shown)	1ft/.31m	
69	3860092	Roller	4	
70	2560149	Handle, Latch	1	
71	2940098	Latch	1	
72	3422928	Pin, Deck Retainer	2	
73	3422934	Pin, Deck Support	2	
74	4740156	Washer, Thrust	6	
75 to 81	Not Used			
82	3572512	Plate, Slide (Prior to S/N 99830)	2	

	2901960	Arm Kit - 1532E2 (Includes Items 6-11)	1	

SECTION 3 SCISSOR ARMS

FIGURE 3-1. SCISSOR ARMS INSTALLATION - 1532E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 3
SCISSOR ARMS

SECTION 3 SCISSOR ARMS

This diagram illustrates the exploded view of a lift cylinder assembly. The main components are the lift cylinder (24) and the frame (8). The assembly includes various mounting brackets (15, 25, 32), pins (19, 27, 35, 39), and retaining rings (62). The diagram shows the cylinder being attached to the frame via a series of brackets and pins. A note at the bottom left specifies that item 13 is a bolt used prior to S/N 82160, and item 62 is a retaining ring used from S/N 52737 to the present. A note at the bottom right indicates that the lift cylinder is shown for clarity.

*** NOTE: ITEM 13
BOLT USED PRIOR
TO S/N 82160. ITEM
62 RETAINING
RING USED S/N
52737 TO PRESENT**

**LIFT CYLINDER
SHOWN HERE
FOR CLARITY**

LIFT CYLINDER
SHOWN HERE
FOR CLARITY

SECTION 3 SCISSOR ARMS

FIGURE 3-2. SCISSOR ARMS INSTALLATION - 1932E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		SCISSOR ARMS INSTALLATION - 1932E2 OPTIONS:	Ref.	
	0258014	Standard Machines	Ref.	M
1	Not Used			
2	0100011	Loctite #242	A/R	
3	0100019	Loctite #271	A/R	
4	0100039	Loctite #411 (Not Shown) (Prior to S/N 50027)	A/R	
5	0200605	Arm Weldment (Top Outboard)	1	
6	0200606	Arm Weldment (Upper Mid Outboard)	1	
7	0200607	Arm Weldment (Bottom Outboard)	1	
8	0200608	Arm Weldment (Top Inboard)	1	
9	0200609	Arm Weldment (Upper Mid Inboard)	1	
10	0200610	Arm Weldment (Lower Mid Inboard)	1	
11	0200611	Arm Weldment (Bottom Inboard)	1	
12	0200614	Arm Weldment (Lower Mid Outboard)	1	
13		Bushing Options (Part of Item 16):	4	
	0440226	Bushing, Excelite (Prior to S/N 50027)		
	0440229	Bushing, Garmax (S/N 50027 to Present)		
14	0561278	Block, Pivot	1	
15	0561301	Block, Slide	4	
16		Block, Pivot Options (Includes Item 13):	4	
	Use 0440238	Prior to S/N 62991 (Was p/n 0561312)		
	0440238	S/N 62991 to Present		
17		Bolt Options:	A/R	
	0641404	Bolt 1/4"-20NC x 1/2" (Prior to S/N 50027)		
	0641405	Bolt 1/4"-20NC x 5/8" (S/N 50027 to Present)		
18	Not Used			
19		Bolt Options:	8	
	0681518	Bolt 5/16"-18NC x 2 1/4" (Grade 8) (Prior to S/N 50027)		
	0630528	Bolt 3/8"-16NC x 2 1/2" (Grade 8) (S/N 50027 to Present)		
20	0641536	Bolt 5/16"-18NC x 4 1/2"	4	
21	0641606	Bolt 3/8"-16NC x 3/4" (Prior to S/N 111642)	4	
22	0692224	Bolt 3/4"-16NF x 3"	1	
23	Not Used			
24	0902385	Bracket, Platform Attach (Right Side)	1	
25	0902386	Bracket, Platform Attach (Left Side)	1	
26		Pad, Bumper Options:		
	0940084	Prior to S/N 50027 (Apply Item #4 to Pad)	6	
	0940087	S/N 50027 to Present	10	
27		Bushing, Excelite Options:	8	
	0962096	Prior to S/N 50027		
	0440227	S/N 50027 to Present		
28		Bushing, Excelite Options:	32	
	0962097	Prior to S/N 50027		
	0440228	S/N 50027 to Present		
29	Not Used			

SECTION 3 SCISSOR ARMS

FIGURE 3-2. SCISSOR ARMS INSTALLATION - 1932E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
30		Cable, Electrical - 18/2 Options:		
	1060680	Prior to S/N 50027	15ft/4.06m	
	1060680	S/N 50027 to Present	21ft/6.40m	
31	1100105	Cam, Activator	1	
32	1683603	Lift Cylinder Assembly (See Section 5 for Breakdown)	1	
33		Nut Options:	2	
	3311005	Locknut #10-24NC (Prior to S/N 50027)		
	3310801	Nut #8-32NC (S/N 50027 to Present)		
34	3311501	Nut 5/16"-18NC	4	
35		Locknut Options:	8	
	3311505	Locknut 5/16"-18NC (Prior to S/N 50027)		
	3311605	Locknut 3/8"-16NC (S/N 50027 to Present)		
36	Not Used			
37	3422641	Pin, Pivot	2	
38	3422642	Pin, Headed (Prior to S/N 50027)	2	
39		Pin, Pivot Options:	6	
	3422644	Prior to S/N 50027		
	3422746	S/N 50027 to Present		
40		Pin, Pivot Options:	14	
	3422663	Prior to S/N 50027		
	3422743	S/N 50027 to S/N 82160		
	3422882	S/N 82160 to Present		
41		Pin, Pivot Options:	2	
	3422671	Prior to S/N 50027		
	3422742	S/N 50027 to S/N 82160		
	3422862	S/N 82160 to Present		
42		Pin, Pivot Options:	2	
	3422725	Prior to S/N 50027		
	3422747	S/N 50027 to Present		
43	Not Used			
44	3450804	Pin, Cotter 1/4" x 1"	2	
45	3760387	Ring, Retaining	8	
46	3841344	Rod, Retaining	2	
47		Roller Options:	2	
	3860078	Prior to S/N 82160		
	3860092	S/N 82160 to Present		
48		Screw Options:	2	
	3931024	Screw, Socket Head #10-24NC x 1 1/2" (Prior to S/N 50027)		
	3930820	Screw, Socket Head #8-32NC x 1 1/4" (S/N 50027 to S/N 111642)		
	3900329	Screw, Socket Head #8-32NC x 1 1/2"		
49		Switch, Limit Options:	1	
	4360401	Prior to S/N 50027		
	4360548	S/N 50027 to Present (was p/n 4360321)		
50	4420062	Tape, UHMW	5in/12cm	
51		Connector, Strain Relief Options:	2	
	Use 4460662	1/2" Pipe Threads (Was P/N 4460049)		
	4460662	1/2" Pipe Threads (Used on Limit Switch p/n 4360321)		

SECTION 3 SCISSOR ARMS

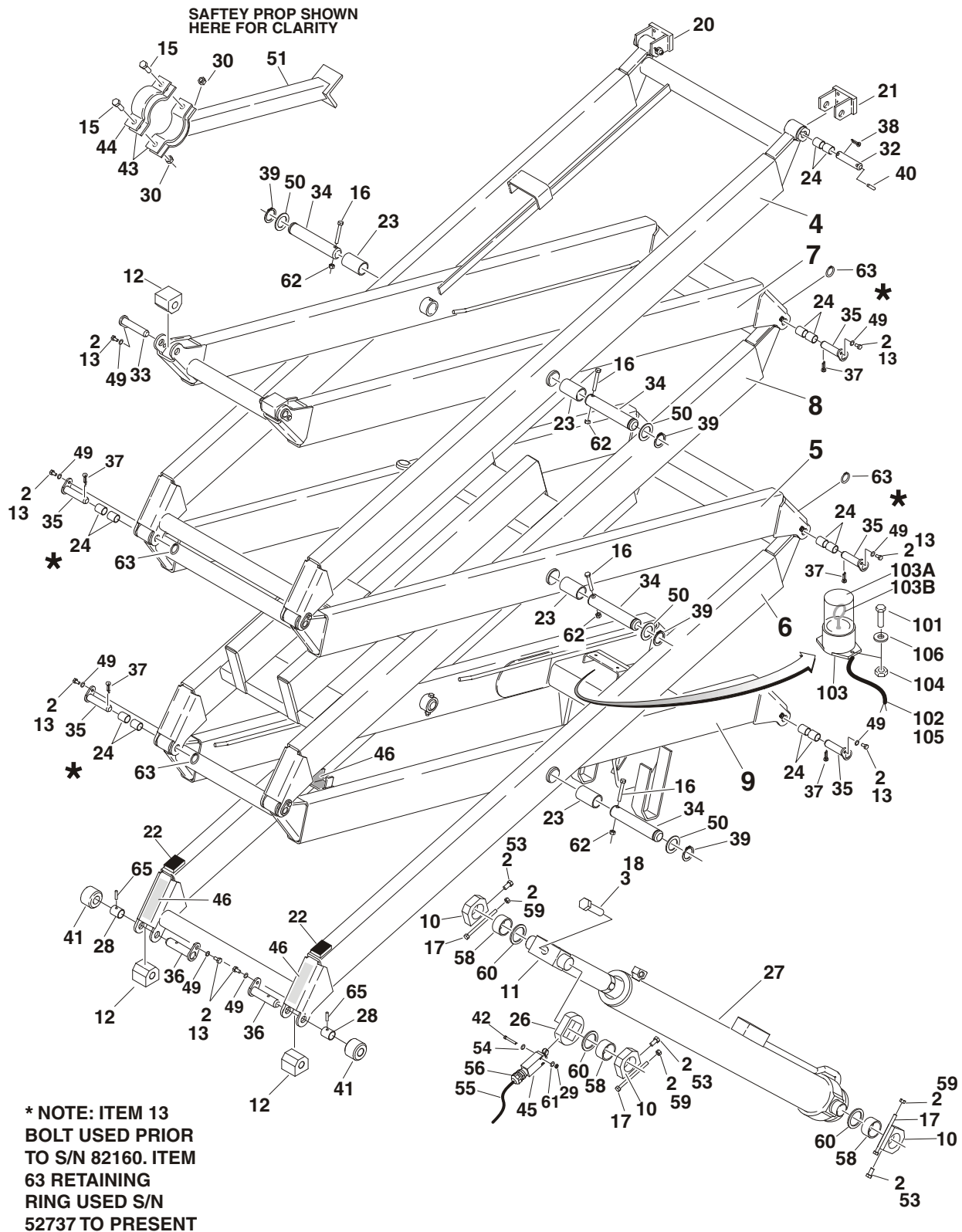
FIGURE 3-2. SCISSOR ARMS INSTALLATION - 1932E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
51 (cont'd)	4460968	M20-1.5 (Used on Limit Switch p/n 4360578)		
52	4567539	Tube, Safety Prop	1	
53 to 54	Not Used			
55	4711400	Washer 1/4" Narrow (S/N 50027 to Present)	22	
56	4740307	Washer, Thrust	4	
57	4740438	Washer, Special	8	
58	4845742	Prop, Safety	1	
59	4922091	Harness, Lift Down (Not Shown - See Section 7 for Breakdown)	1	
60	0962207	Spacer, Bushing (S/N 50027 to Present)	2	
61	3440418	Roll Pin (S/N 50027 to Present)	2	
62	3760348	Ring, Retaining (S/N 50027 to Present)	16	
63	4750800	Washer #8 (S/N 50027 to Present)	2	
64	4760800	Lockwasher #8 (S/N 50027 to Present)	2	
65 to 71	Not Used			
72	2820025	Insulate, Plastic Spring Guard (Not Shown) (S/N 63352 to Present Only)	1ft/.31m	
73	3340841	Pad, Sizzor Arms (S/N 50027 to Present)	1	

	2901944	Arm Kit - 1932E2 (Includes Items 5-12)		

SECTION 3 SCISSOR ARMS

FIGURE 3-3. SCISSOR ARMS INSTALLATION - 2032E2



SECTION 3 SCISSOR ARMS

FIGURE 3-3. SCISSOR ARMS INSTALLATION - 2032E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		SCISSOR ARMS INSTALLATION - 2032E2 OPTIONS:	Ref.	
	0257528	Standard Machines	Ref.	Q
1	Not Used			
2	0100011	Loctite #242	A/R	
3	0100019	Loctite #271	A/R	
4	0200558	Arm Weldment (Top Outboard)	1	
5	0200559	Arm Weldment (Mid Outboard)	1	
6		Arm Weldment (Bottom Outboard)	1	
	0200560	Prior to S/N 52737		
	0200645	S/N 52737 to Present		
7	0200561	Arm Weldment (Top Inboard)	1	
8	0200562	Arm Weldment (Mid Inboard)	1	
9	0200563	Arm Weldment (Bottom Inboard)	1	
10		Block, Pivot Options (Includes Item 58):	4	
	Use 0440238	Prior to S/N 62991 (Was p/n 0561312)		
	0440238	S/N 62991 to Present		
11	0561278	Block, Pivot	1	
12	0561301	Block, Slide	4	
13	0641405	Bolt 1/4"-20NC x 5/8"	A/R	
14	Not Used			
15	0641508	Bolt 5/16"-18NC x 1"	2	
16		Blot Options:	6	
	0681520	Blot 5/16"-18NC x 2 1/2" (Grade 8) (Prior to S/N 52737)		
	0630528	Blot 3/8"-16NC x 2 1/2" (Grade 8) (S/N 52737 to Present)		
17	0641536	Bolt 5/16"-18NC x 4 1/2"	4	
18	0692224	Bolt 3/4"-16NF x 3"	1	
19	Not Used			
20	0902385	Bracket, Platform Attach (Right Side)	1	
21	0902386	Bracket, Platform Attach (Left Side)	1	
22		Pad Options:	4	
	0940084	Pad, Bumper (Prior to S/N 49086)		
	0940087	Bumper, Arm (S/N 49086 to Present)		
23		Bushing, Excelite	6	
	0962096	Prior to S/N 49086		
	0440227	S/N 49086 to Present		
24		Bushing, Excelite	24	
	0962097	Prior to S/N 49086		
	0440228	S/N 49086 to Present		
25	Not Used			
26	1100105	Cam, Activator	1	
27	1683561	Lift Cylinder Assembly (See Section 5 for Breakdown)	1	
28	0962207	Bushing, Spacer (S/N 52737 to Present)	2	
29	3310801	Nut #8-32NC	2	
30	3311505	Locknut 5/16"-18NC	2	
31	Not Used			
32	3422641	Pin, Pivot	2	
33	3422642	Pin, Headed	2	

SECTION 3 SCISSOR ARMS

FIGURE 3-3. SCISSOR ARMS INSTALLATION - 2032E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
34		Pin, Pivot Options:	6	
	3422644	Prior to S/N 52737		
	3422746	S/N 52737 to Present		
35		Pin, Pivot Options:	10	
	3422663	Prior to S/N 52737		
	3422743	S/N 52737 to S/N 82160		
	3422882	S/N 82160 to Present		
36		Pin, Pivot Options:	2	
	3422671	Prior to S/N 52737		
	3422742	S/N 52737 to S/N 82160		
	3422862	S/N 82160 to Present		
37	3450405	Pin, Cotter 1/4" x 1 1/4" (Prior to S/N 52737)	11	
38	3450804	Pin, Cotter 1/4" x 1"	2	
39	3760387	Ring, Retaining	6	
40	3841344	Rod, Retaining	2	
41		Roller Options:	2	
	3860078	Prior to S/N 82160		
	3860092	S/N 82160 to Present		
42	3900329	Screw #8-32NC x 1 1/2"	2	
43	4240125	Strap, Nylon	2	
44	4240128	Strap, Safety Prop	1	
45	4360548	Switch, Limit (was p/n 4360321)	1	
46	4420062	Tape, UHMW	.38ft/ 11.6cm	
47 to 48	Not Used			
49	4711400	Flatwasher 1/4" Narrow	A/R	
50	4740438	Washer, Special	6	
51	4845519	Prop, Safety	1	
52	0100039	Loctite #411 (Not Shown) (Prior to S/N 52737)	A/R	
53	0641606	Bolt 3/8"-16NC x 3/4"	4	
54	4750800	Flatwasher #8	2	
55	1060680	Cable, Electrical - 18/2	17ft/5.2m	
56		Connector, Strain Relief Options:	1	
	Use 4460662	1/2" Pipe Threads (Was P/N 4460049)		
	4460662	1/2" Pipe Threads (Used on Limit Switch p/n 4360321)		
	4460968	M20-1.5 (Used on Limit Switch p/n 4360578)		
57	4922086	Harness, Lift Down (Not Shown - See Section 7 for Breakdown	1	
58		Bearing, Excelite Options (Part of Item 10):	4	
	0440226	Prior to S/N 49086		
	0440229	S/N 49086 to Present		
59	3311501	Nut 5/16"-18NC	4	
60	4740307	Washer, Thrust	4	
61	4760800	Lockwasher #8	2	
62		Locknut Options:	6	
	3311505	Locknut 5/16"-18NC (Prior to S/N 52737)		
	3311605	Locknut 3/8"-16NC (S/N 52737 to Present)		
63	3760348	Ring, Retainer (S/N 52737 to Present)	12	
64	Not Used			

SECTION 3 SCISSOR ARMS

FIGURE 3-3. SCISSOR ARMS INSTALLATION - 2032E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
65	3440418	Rollpin (S/N 52737 to Present) -----	2	A
		Arm Kit - 2032E2 Options:		
	2901530	Prior to S/N 82160 (Includes Items 4-9 and 51)	1	
	2901917	S/N 82160 to Present (Includes Items 4-9)	1	
	0257801	BEACON INSTALLATION	Ref.	
101	0721006	Screw, Socket Head #10-24NC x 3/4"	2	
102	1060680	Cable, Electrical - 18/2	10ft/3m	
103	2920146	Light, Beacon	1	
103A	7016319	Bulb	1	
103B	7016372	Lens	1	
104	3311005	Locknut #10-24NC	2	
105	4460248	Terminal	2	
106	4751000	Flatwasher #10	2	

SECTION 3 SCISSOR ARMS

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SECTION 3 SCISSOR ARMS

FIGURE 3-4. SCISSOR ARMS INSTALLATION - 2632E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		SCISSOR ARMS INSTALLATION - 2632E2	Ref.	
	0271515	Standard Control Machines	Ref.	H
1	Not Used			
2	0100011	Loctite, #242	A/R	
3	0100019	Loctite, #271	A/R	
4	0200730	Arm Weldment (Bottom Inboard)	1	
5	0200731	Arm Weldment (Bottom Outboard)	1	
6	0200732	Arm Weldment (Top & Lower Mid Inboard)	2	
7	0200733	Arm Weldment (Top & Upper Mid Outboard)	2	
8	0200734	Arm Weldment (Upper Mid Inboard)	1	
9	0200735	Arm Weldment (Top Outboard)	1	
10	Not Used			
11	0440227	Bushing, Excelite	8	
12	0440228	Bushing, Excelite	32	
13	0440238	Bushing, Excelite (Includes Item 62)	8	
14	0561278	Block, Pivot	2	
15	0561301	Block, Slide	4	
16	0630528	Bolt, 3/8" - 16NC x 2 1/2" (Grade 8)	8	
17	0641405	Bolt, 1/4" - 20NC x 5/8"	A/R	
18	Not Used			
19	0641508	Bolt, 5-16" - 18NC x 1"	2	
20	0641536	Bolt, 5/16" - 18NC x 1/2"	8	
21	0641606	Bolt, 3/8" - 16NC x 3/4" (Prior to S/N 111642)	8	
22	0692224	Bolt, 3/4" - 16NC x 3"	2	
23	Not Used			
24	0902385	Bracket, Platform Attach (Right Side)	1	
25	0902386	Bracket, Platform Attach (Left Side)	1	
26	0940087	Bumper	6	
27	1060680	Cable, Electrical 18-2	17ft/5.2m	
28	1100105	Cam, Activator	1	
29	1683882	Lift Cylinder Assembly (See Section 5 for Breakdown)	1	
30	Not Used			
31	3310801	Locknut #8-32NC	2	
32	3311501	Nut 5/16" - 18NC	8	
33	3311505	Locknut 5/16" - 18NC	2	
34	3311605	Locknut 3/8" - 16NC	8	
35	Not Used			
36	3422641	Pin, Pivot	2	
37	3422746	Pin, Pivot	8	
38	3422862	Pin, Headed	2	
39	3422882	Pin, Pivot	16	
40	3450804	Pin, Cotter 1/4" x 1	2	
41	3760348	Ring, Retaining	16	
42	3760387	Ring, Retaining	8	
43	3841344	Rod, Retainer	2	
44	3860092	Roller	2	
45	3900329	Screw #8-32NC x 1 1/2"	2	

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FIGURE 3-4. SCISSOR ARMS INSTALLATION - 2632E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
46	4240125	Strap, Nylon	2	
47	4240128	Strap, Safety Prop	1	
48	4360548	Switch, Limit (was p/n 4360321)	1	
49	4420062	Tape, UHMW	.38ft/ 11.6cm	
50		Connector, Strain Relief Options:	1	
	4460662	1/2" Pipe Threads (Used on Limit Switch p/n 4360321)		
	4460968	M20-1.5 (Used on Limit Switch p/n 4360578)		
51 to 52	Not Used			
53	4711400	Flatwasher 1/4" Narrow	A/R	
54	4740307	Washer, Thrust	8	
55	4740438	Washer, Special	8	
56	4750800	Flatwasher #8	2	
57	4760800	Lockwasher #8	2	
58	4845519	Weldment, Safety Prop	1	
59	4922089	Harness, Lift Down (Upper) (Not Shown - See Section 7 for Breakdown)	1	
60	3860099	Roller, Platform	2	
61	4922088	Harness, Lift Down (Lower) (Not Shown - See Section 7 for Breakdown)	1	
62		Bushing Options (Part of Item 13):	8	
	0440226	Prior to S/N 49086		
	0440229	S/N 49086 to Present		
63 to 64	Not Used			
	2902068	Arm Kit (Includes Items 4-9)	1	
	0257801	BEACON INSTALLATIONS	Ref.	A
101	0721006	Screw, Socket Head #10-24NC x 3/4"	2	
102	1060680	Cable, Electrical - 18/2	10ft/3m	
103	2920146	Light, Beacon	1	
103A	7016319	Bulb	1	
103B	7016372	Lens	1	
104	3311005	Locknut #10-24NC	2	
105	4460248	Terminal	2	
106	4751000	Flatwasher #10	2	

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FIGURE 3-4. SCISSOR ARMS INSTALLATION - 2632E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 3-5. SCISSOR ARMS INSTALLATION - 2646E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		SCISSOR ARMS INSTALLATION - 2646E2 OPTIONS:	Ref.	
	0257666	Standard Machines	Ref.	S
1	0100011	Loctite #242	A/R	
2	0100019	Loctite #271	A/R	
3		Arm Weldment (Bottom Outboard) Options:	1	
	0200574	Prior to S/N 52737	3	
	0200639	S/N 52737 to Present	2	
4	0200572	Arm Weldment (Top Outboard)	1	
5	0200574	Arm Weldment (Lower and Upper Mid Outboard)	2	
6	0200575	Arm Weldment (Top and Lower Mid Inboard)	2	
7	0200576	Arm Weldment (Upper Mid Inboard)	1	
8		Arm Weldment (Bottom Inboard) Options:	1	
	0200577	Prior to S/N 65492		
	Use 0200707	S/N 65492 to S/N 107172 (Was P/N 0200698)		
	0200707	S/N 107172 to Present		
9		Bearing, Pivot Block Options (Includes Item 60):	8	
	Use 0440238	Prior to S/N 62991 (Was P/N 0561312)		
	0440238	S/N 62991 to Present		
10	0561278	Block, Pivot	2	
11	0561301	Block, Slide	4	
12	0641508	Bolt 5/16"-18NC x 1"	4	
13		Bolt Options:	8	
	0681520	Bolt 5/16"-18NC x 2 1/2" (Grade 8) (Prior to S/N 52737)		
	0630528	Bolt 3/8"-16NC x 2 1/2" (Grade 8) (S/N 52737 to Present)		
14	Not Used			
15	0641536	Bolt 5/16"-18NC x 4 1/2"	8	
16	0641405	Bolt 1/4"-20NC x 5/8"	A/R	
17	0692224	Bolt 3/4"-16NF x 3"	2	
18	Not Used			
19	0902385	Bracket, Platform Attach (Right Side)	1	
20	0902386	Bracket, Platform Attach (Left Side)	1	
21		Bumper Options:	6	
	0940084	Pad, Bumper (Prior to S/N 49086)		
	0940087	Bumper, Arm (S/N 49086 to Present)		
22		Bushing, Excelite Options:	8	
	0962096	Prior to S/N 49086		
	0440227	S/N 49086 to Present		
23		Bushing, Excelite Options:		
	0962097	Prior to S/N 49086	36	
	0440228	S/N 49086 to Present	32	
24	1100105	Cam, Activator	1	
25	Not Used			
26		Lift Cylinder Assembly (See Section 5 for Breakdown)	1	
	1683562	Prior to S/N 69053		
	1683882	S/N 69053 to Present		
27 to 28	Not Used			

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FIGURE 3-5. SCISSOR ARMS INSTALLATION - 2646E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
29		Locknut Options:	8	
	3311505	Locknut 5/16"-18NC (Prior to S/N 52737)		
	3311605	Locknut 3/8"-16NC (S/N 52737 to Present)		
30	Not Used			
31	3311505	Locknut 5/16"-18NC	4	
32	3422641	Pin, Pivot	2	
33	3422642	Pin, Headed	2	
34		Pin, Pivot Options:	8	
	3422644	Prior to S/N 52737		
	3422746	S/N 52737 to Present		
35		Pin, Pivot Options:	14	
	3422663	Prior to S/N 52737		
	3422743	S/N 52737 to S/N 82160		
	3422882	S/N 82160 to Present		
36		Pin, Pivot Options:	2	
	3422671	Prior to S/N 52737		
	3422742	S/N 52737 to S/N 82160		
	3422862	S/N 82160 to Present		
37	3450804	Pin, Cotter 1/4" x 1"	2	
38	3760387	Ring, Retaining	8	
39	3841344	Rod, Retaining	2	
40		Roller Options:	2	
	3860078	Prior to S/N 82160		
	3860092	S/N 82160 to Present		
41	3930820	Screw #8-32NC x 1 1/4"	2	
42	4240125	Strap, Nylon	4	
43	4240128	Strap, Safety Prop	2	
44	4360548	Switch, Limit (was p/n 4360321)	1	
45	4420062	Tape, UHMW	.38ft/ 11.6cm	
46 to 48	Not Used			
49	4740438	Washer, Special	8	
50 to 51	Not Used			
52	4845574	Prop, Safety	1	
53	0641606	Bolt 3/8"-16NC x 3/4" (Prior to S/N 111642)	8	
54	3311501	Nut 5/16"-18NC	8	
55	1060680	Cable, Electrical - 18/2	17ft/5.2m	
56		Connector, Strain Relief Options:	1	
	Use 4460662	1/2" Pipe Threads (Was P/N 4460049)		
	4460662	1/2" Pipe Threads (Used on Limit Switch p/n 4360321)		
	4460968	M20-1.5 (Used on Limit Switch p/n 4360578)		
57	4922088	Harness, Lift Down (Lower) (Not Shown - See Section 7 for Breakdown)	1	
58	4922089	Harness, Lift Down (Upper) (Not Shown - See Section 7 for Breakdown)	1	
59	4740307	Washer, Thrust	8	
60		Bushing Options (Part of Item 9):	8	
	0440226	Prior to S/N 49086		
	0440229	S/N 49086 to Present		

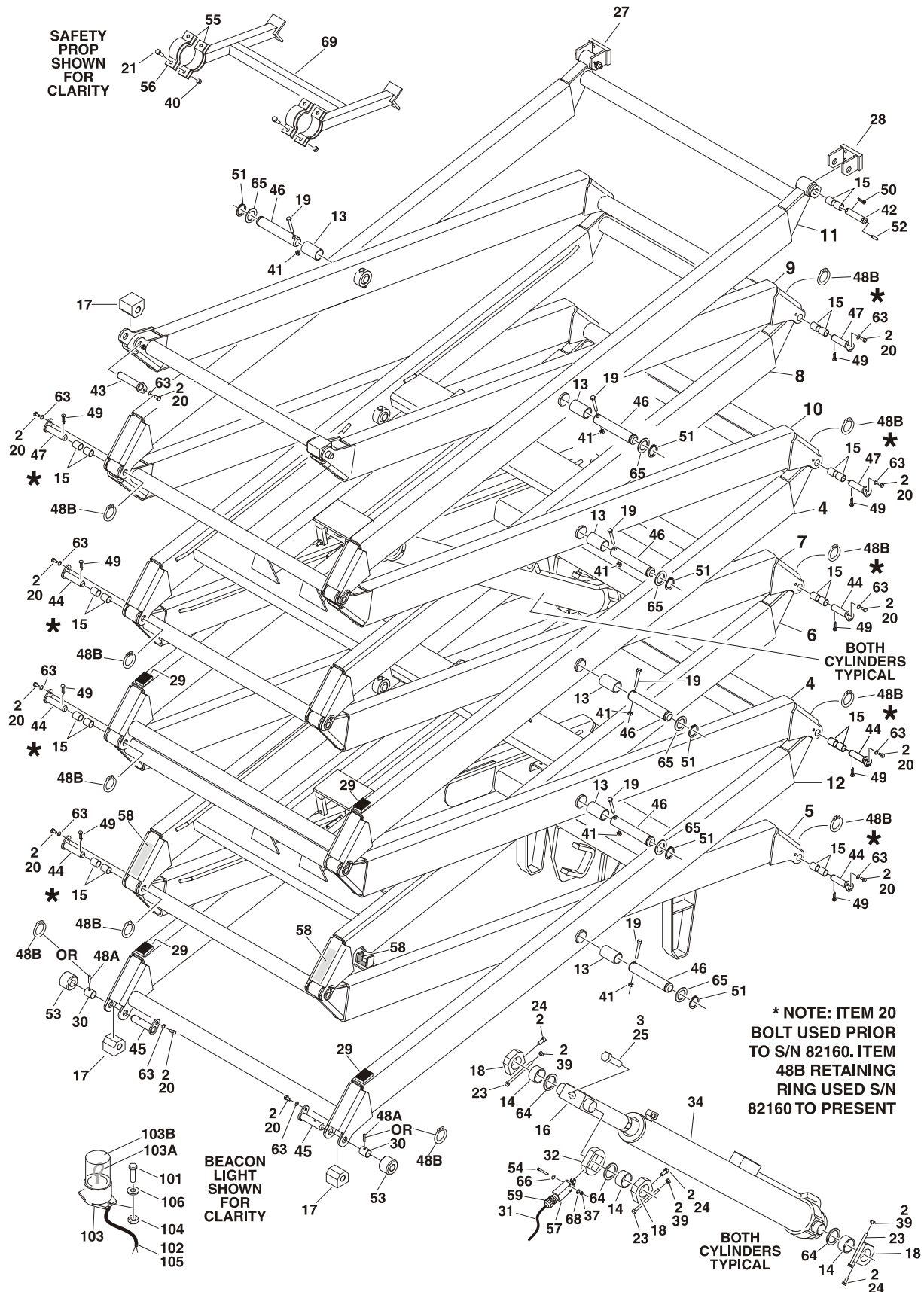
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FIGURE 3-5. SCISSOR ARMS INSTALLATION - 2646E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
61	3310801	Locknut #8-32NC	2	
62	3450405	Pin, Cotter 1/8" x 1 1/4" (Prior to S/N 62991 Only)	14	
63	4711400	Flatwasher 1/4" Narrow	A/R	
64	4750800	Flatwasher #8	2	
65	4760800	Lockwasher #8	2	
66 to 67	Not Used			
68	3760348	Ring, Retaining	16	
		— — — — —		
		Arm Kit - 2646E2 Options:		
	2901532	Prior to S/N 82160 (Includes Items 4-8 and 52)	1	
	2901918	S/N 82160 to Present (Includes Items 3-8)	1	
	0257801	BEACON INSTALLATIONS	Ref.	A
101	0721006	Screw, Socket Head #10-24NC x 3/4"	2	
102	1060680	Cable, Electrical - 18/2	10ft/3m	
103	2920146	Light, Beacon	1	
103A	7016319	Bulb	1	
103B	7016372	Lens	1	
104	3311005	Locknut #10-24NC	2	
105	4460248	Terminal	2	
106	4751000	Flatwasher #10	2	

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FIGURE 3-6. SCISSOR ARMS INSTALLATION - 3246E2



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FIGURE 3-6. SCISSOR ARMS INSTALLATION - 3246E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		SCISSOR ARMS INSTALLATION - 3246E2 OPTIONS:	Ref.	
	0258889	Standard Control Machines	Ref.	L
	0259408	Proportional Control Machines	Ref.	H
1	0100001	Adhesive (Not Shown)	A/R	
2	0100011	Loctite #242	A/R	
3	0100019	Loctite #271	A/R	
4	0200663	Arm Weldment (Second/Third Outboard)	2	
5		Arm Weldment (Bottom Inboard) Options:	1	
	Use 0200708	Prior to S/N 107172 (Was P/N 0200662)		
	0200708	S/N 107172 to Present		
6	0200633	Arm Weldment (Second Inboard)	1	
7	0200634	Arm Weldment (Third Inboard)	1	
8	0200635	Arm Weldment (Fourth Inboard)	1	
9	0200636	Arm Weldment (Fifth Inboard)	1	
10	0200637	Arm Weldment (Fourth Outboard)	1	
11	0200638	Arm Weldment (Fifth Outboard)	1	
12	0200639	Arm Weldment (Bottom Outboard)	1	
13	0962010	Bearing, Garmax	10	
14	0440229	Bearing, Garmax (Prior to S/N 62991)	8	
15	0440231	Bearing, Garmax	40	
16	0561278	Block, Pivot	2	
17	0561301	Block, Slide	4	
18		Block, Pivot Options (Includes Item 14):	8	
	Use 0440238	Prior to S/N 62991 (Was p/n 0561312)		
	0440238	S/N 62991 to Present		
19	0630528	Bolt 3/8"-16NC x 2 1/2" (Grade 8)	10	
20	0641405	Bolt 1/4"-20NC x 5/8"	A/R	
21	0641508	Bolt 5/16"-18NC x 1"	4	
22	Not Used			
23	0641536	Bolt 5/16"-18NC x 4 1/2"	8	
24	0641606	Bolt 3/8"-16NC x 3/4" (Prior to S/N 111642)	8	
25	0692224	Bolt 3/4"-16NF x 3"	2	
26	Not Used			
27	0902385	Bracket, Platform Attach (Right Side)	1	
28	0902386	Bracket, Platform Attach (Left Side)	1	
29	0940087	Bumper, Arm	8	
30	0962207	Bushing, Spacer (Prior to S/N 82160)	2	
31	1060680	Cable, Electrical - 18/2	25ft/7.6m	
32	1100105	Cam, Activator	1	
33	Not Used			
34		Lift Cylinder Assembly (See Section 5 for Breakdown)	2	
	1683771	Standard Controls Machines (Prior to S/N 69053)		
	1683883	Standard Controls Machines (S/N 69053 to Present)		
	1683883	Proportional Control Machines		
35 to 36	Not Used			
37	3310801	Nut #8-32NC	2	
38	Not Used			

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FIGURE 3-6. SCISSOR ARMS INSTALLATION - 3246E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
39	3311501	Nut 5/16"-18NC	8	
40	3311505	Locknut 5/16"-18NC	8	
41	3311605	Locknut 3/8"-16NC	4	
42	3422641	Pin, Pivot	2	
43	3422642	Pin, Headed (Top)	2	
44		Pin, Pivot Options:	12	
	3422773	Prior to S/N 82160		
	3422882	S/N 82160 to Present		
45		Pin, Headed (Bottom) Options:	2	
	3422742	Prior to S/N 82160		
	3422862	S/N 82160 to Present		
46	3422746	Pin, Pivot	10	
47		Pin, Pivot (Special Pins) Options:	6	
	3422759	Prior to S/N 82160		
	3422863	S/N 82160 to Present		
48		Hardware Options:	A/R	
48A	3440418	Rollpin (Prior to S/N 82160)	2	
48B	3760348	Ring, Retaining (S/N 82160 to Present)	20	
49	3450405	Pin, Cotter 1/8" x 1 1/4"	19	
50	3450804	Pin, Cotter 1/4" x 1"	2	
51	3760387	Ring, Retaining	10	
52	3841344	Rod, Retaining	2	
53		Roller Options:	2	
	3860078	Prior to S/N 82160		
	3860092	S/N 82160 to Present		
54	3900329	Screw #8-32NC x 1 1/2"	2	
55	4240125	Strap, Nylon	4	
56	4240138	Strap, Safety Prop	1	
57	4360548	Switch, Limit (was p/n 4360321)	1	
58	4420062	Tape, UHMW	.38ft/ 11.6cm	
59		Connector, Strain Relief Options:	2	
	Use 4460662	1/2" Pipe Threads (Was P/N 4460049)		
	4460662	1/2" Pipe Threads (Used on Limit Switch p/n 4360321)		
	4460968	M20-1.5 (Used on Limit Switch p/n 4360578)		
60 to 62	Not Used			
63	4711400	Flatwasher 1/4" Narrow	A/R	
64	4740307	Washer, Thrust	8	
65	4740438	Washer, Special	10	
66	4750800	Flatwasher #8	2	
67	Not Used			
68	4760800	Lockwasher #8	2	
69	4845981	Prop, Safety	1	
70		Harness, Lift Down Options	1	
		(Not Shown - See Section 7 for Breakdown):		
	4922088	Standard Controls Machines (Lower)		
	4922089	Standard Controls Machines (Upper)		
	4922301	Proportional Control Machines		

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FIGURE 3-6. SCISSOR ARMS INSTALLATION - 3246E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	2901919	Arm Kit - 3246E2 (Includes Items 4-12)		
		BEACON INSTALLATIONS	Ref.	
	0257801	Standard Controls Machines	Ref.	A
	0259411	Proportional Controls Machines	Ref.	A
101	0721006	Screw, Socket Head #10-24NC x 3/4"	2	
102	1060680	Cable, Electrical - 18/2	10ft/3m	
103	2920146	Light, Beacon	1	
103A	7016319	Bulb	1	
103B	7016372	Lens	1	
104	3311005	Locknut #10-24NC	2	
105	4460248	Terminal	2	
106	4751000	Flatwasher #10	2	
107	2400056	Fuse (Not Shown - Proportional Controls Machines Only)	1	
108	4460044	Fuseholder (Not Shown - Prop Controls Machines Only)	1	

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FIGURE 3-6. SCISSOR ARMS INSTALLATION - 3246E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

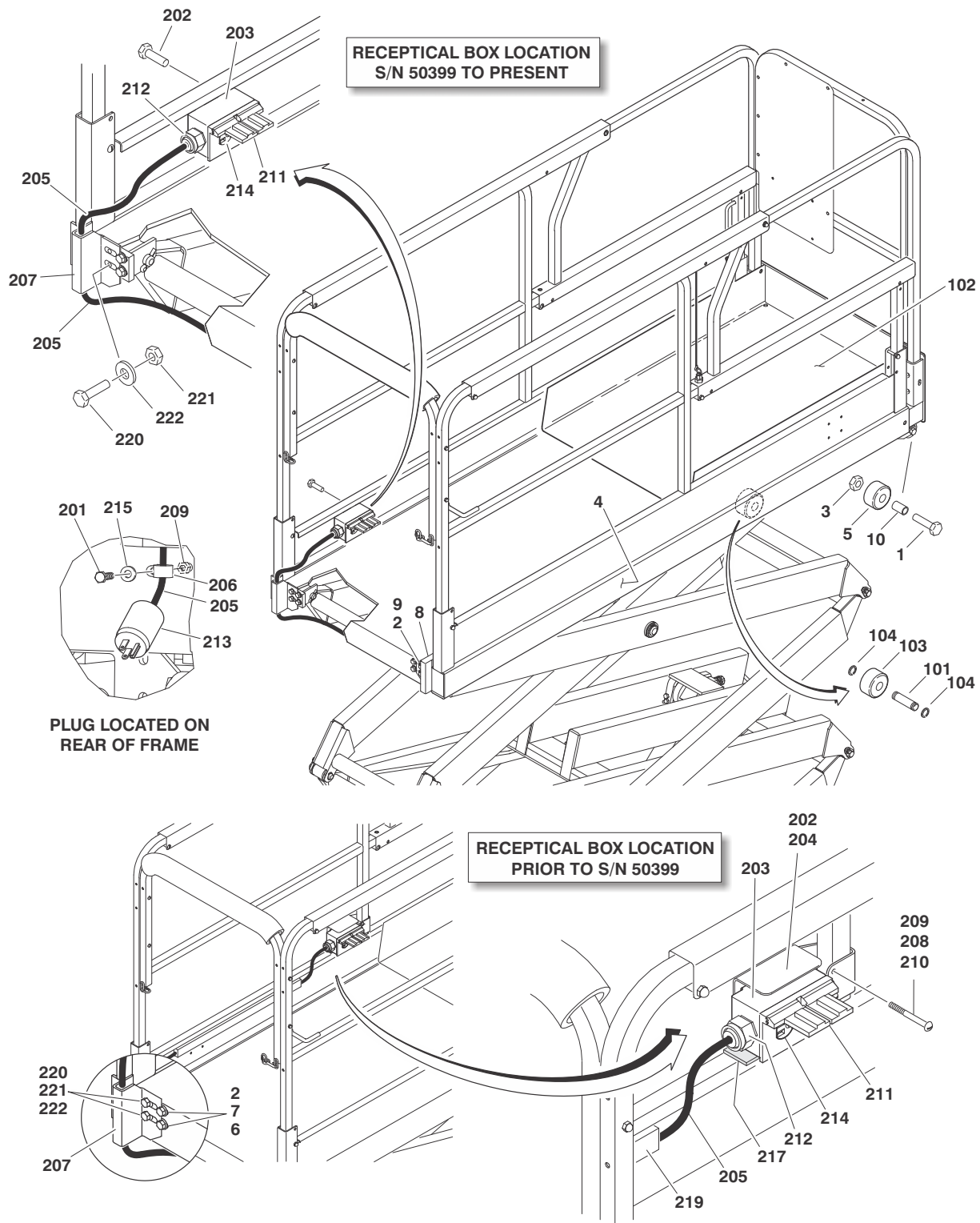
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FIGURE 4-1.PLATFORM AND ACCESSORIES INSTALLATION



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FIGURE 4-1. PLATFORM AND ACCESSORIES INSTALLATION

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		PLATFORM INSTALLATION OPTIONS:	Ref.	
		NOTE: SEE SECTION 10 FOR MACHINES WITH D-RINGS MOUNTED IN PLATFORM FLOOR.	Ref.	
	0270534	1532E2	Ref.	D
	0258041	1932E2	Ref.	C
	0257546	2032E2	Ref.	E
	0271516	2632E2	Ref.	B
	0257679	2646E2	Ref.	F
	0258896	3246E2	Ref.	D
1	0641814	Bolt 1/2"-13NC x 1 3/4"	2	
2	0641608	Bolt 3/8"-16NC x 1"	A/R	
3	3311805	Nut 1/2"-13NC	2	
4		Platform Weldment Options:	1	
	Use 3510783	1532E2 (Prior to S/N 99830) Was P/N 3510768		
	3510783	(S/N 99830 to Present)		
	3510623	1932E2		
	3510602	2032E2		
	3510794	2632E2		
	3510607	2646E2		
	3510687	3246E2		
5		Roller, Extension Options:	2	
	3860083	Prior to S/N 87281		
	3860093	S/N 87281 to Present		
6	4751600	Flatwasher 3/8" Narrow	12	
7	0100011	Loctite #242	A/R	
8		Guide, Cable Options:	1	
	Use 1670840	Prior to S/N 95875 (Was P/N 1670834)		
	1670840	S/N 95875 To Present		
9	3311605	Locknut 3/8"-16NC	2	
10	0962347	Bushing (S/N 87281 to Present)	2	
		EXTENSION INSTALLATION OPTIONS:	Ref.	
	0257547	1532E2 & 1932E2 & 2032E2 & 2632E2	Ref.	B
	0257776	2646E2 & 3246E2	Ref.	B
101	3422728	Pin	2	
102		Extension Weldment Options:	1	
	3510606	1532E2 & 1932E2 & 2032E2		
	3510608	2646E2 & 3246E2		
103	3860084	Roller	2	
104	1380151	Clip	4	

SECTION 4 PLATFORM

FIGURE 4-1. PLATFORM AND ACCESSORIES INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		RECEPTACLE INSTALLATION OPTIONS:	Ref.	
	0270557	110Volt AC Receptacle (North America) (1532E2)	Ref.	B
	0258280	110Volt AC Receptacle (North America) (1932E2)	Ref.	D
	0257803	110Volt AC Receptacle (North America) (2032E2)	Ref.	H
	0257807	110Volt AC Receptacle (North America) (2632E2 & 2646E2)	Ref.	H
	0258902	110Volt AC Receptacle (North America) (3246E2)	Ref.	G
	0270558	110Volt AC GFI Receptacle (North America) (1532E2)	Ref.	B
	0258281	110Volt AC GFI Receptacle (North America) (1932E2)	Ref.	D
	0257804	110Volt AC GFI Receptacle (North America) (2032E2)	Ref.	H
	0257808	110Volt AC GFI Receptacle (North America) (2632E2 & 2646E2)	Ref.	H
	0257809	Receptacle Box North America) (2632E2)	Ref.	F
	0258903	110Volt AC GFI Receptacle (North America) (3246E2)	Ref.	G
	0270559	Receptacle Box Only (Outside North America) (1532E2)	Ref.	A
	0258282	Receptacle Box Only (Outside North America) (1932E2)	Ref.	E
	0257805	Receptacle Box Only (Outside North America) (2032E2)	Ref.	G
	0257809	Receptacle Box Only (Outside North America) (2632E2 & 2646E2)	Ref.	G
	0258904	Receptacle Box Only (Outside North America) (3246E2)	Ref.	G
201	0641407	Bolt 1/4"-20NC x 7/8"	1	
202		Screw Options:	4	
	3900256	Screw #10-24NC x 5/8" (Prior to S/N 81382)		
	3900294	Screw Self-Tapping (S/N 81382 to Present)		
203	0860038	Box, Receptacle	1	
204		Bracket, Mounting Receptacle Box Options:	1	
	0902466	Prior to S/N 49073		
	0902487	S/N 49073 to S/N 50399		
	Not Required	S/N 50399 to Present		
205		Cable, Electrical - 12/3	A/R	
	1060308	1532E2 (North America)	A/R	
		1532E2 Options: (Outside North America)	A/R	
	Use 1060908	Prior to S/N 111329 (Was P/N 1060461)		
	1060908	S/N 111329 to Present		
	1060308	1932E2 (North America)	25ft/7.9m	
		1932E2 Options: (Outside North America)	25ft/7.9m	
	Use 1060908	Prior to S/N 111329 (Was P/N 1060461)		
	1060908	S/N 111329 to Present		
	1060308	2032E2 (North America)	31ft/9.4m	
		2032E2 Options: (Outside North America)	31ft/9.4m	

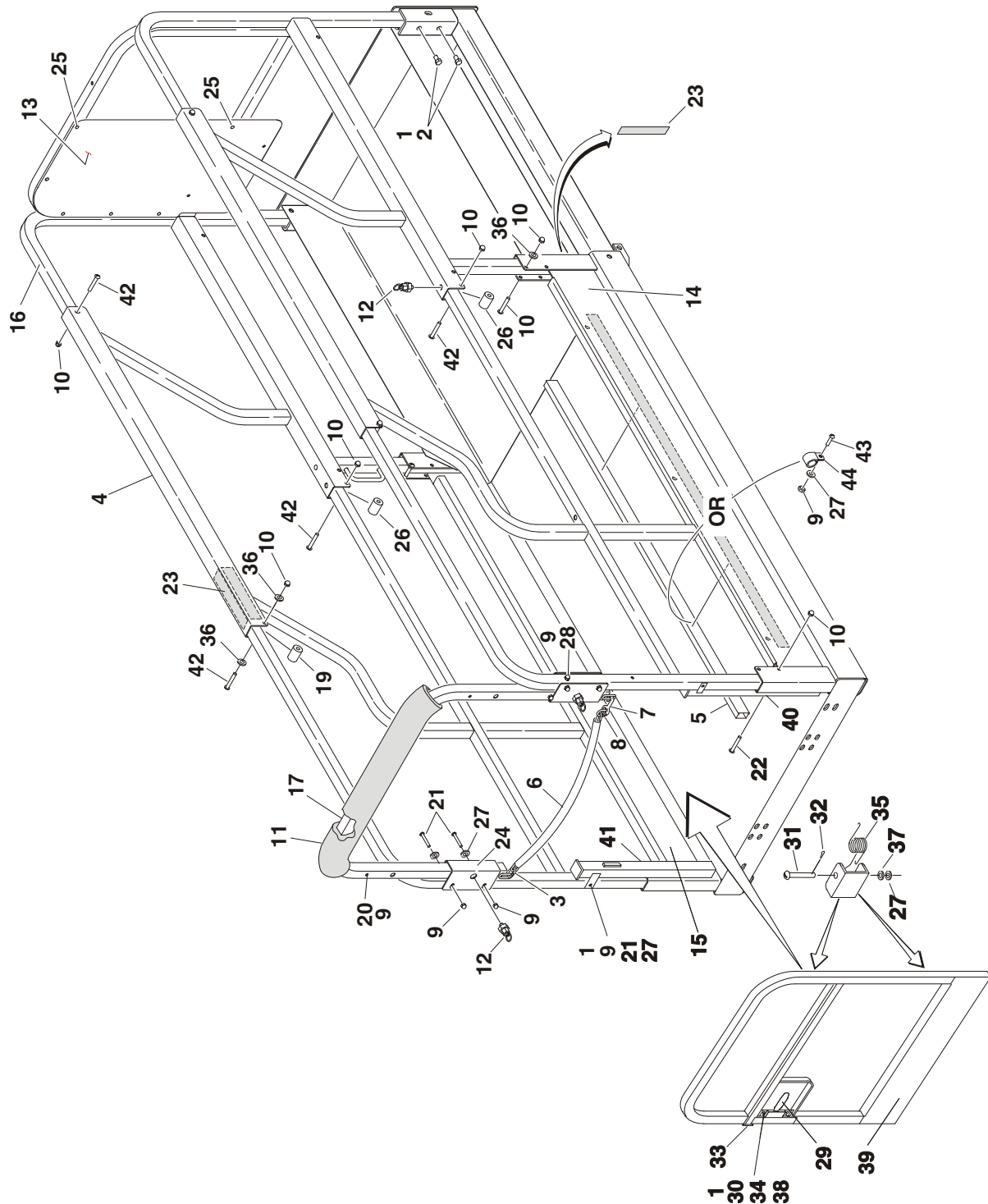
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FIGURE 4-1. PLATFORM AND ACCESSORIES INSTALLATION (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
205 (cont'd)	Use 1060908	Prior to S/N 111329 (Was P/N 1060461)		
	1060908	S/N 111329 to Present		
	1060308	2632E2 (North America)	41ft/12..4m	
		2632E2 Options: (Outside North America)	41ft/12..4m	
	Use 1060908	Prior to S/N 111329 (Was P/N 1060461)		
	1060908	S/N 111329 to Present		
	1060308	2646E2 (North America)	43ft/13.1m	
		2646E2 Options: (Outside North America)	43ft/13.1m	
	Use 1060908	Prior to S/N 111329 (Was P/N 1060461)		
	1060908	S/N 111329 to Present		
	1060308	3246E2 (North America)	45ft/16.2m	
		3246E2 Options: (Outside North America)	45ft/16.2m	
	Use 1060908	Prior to S/N 111329 (Was P/N 1060461)		
	1060908	S/N 111329 to Present		
206	1320224	Clamp	1	
207	1670840	Cover, Cable	1	
208	3300356	Nut, Acorn 5/16"-18NC (Prior to S/N 49073)	1	
209	3300151	Nut, Acorn 1/4"-20NC	3	
210		Screw Options:	A/R	
	3911532	Screw 5/16"-18NC x 2" (Prior to S/N 49073)	1	
	3911428	Screw 1/4"-16NC x 1 3/4" (S/N 49073 to S/N 50399)	2	
	Not Required	S/N 50399 to Present		
211		Cover, Receptacle Options:	1	
	4060092	Standard 110V Receptacle Cover (North America)		
	4060700	GFI 110V Receptacle Cover (North America)		
	Not Available	Receptacle Cover (Outside North America)		
212		Connector, Strain Relief Options:	1	
	4460051	1932E2 Machines (Prior to S/N 81382)		
	4460328	1932E2 Machines (S/N 81382 to S/N 111329)		
	4460071	1932E2 Machines (S/N 111329 to Present)		
	4460051	1532E2/2032E2/2646E2/3246E2 Machines	1	
213	4460138	Plug	1	
214		Receptacle, Electrical Options:	1	
	4460190	Standard 110V Receptacle (North America)		
	4460346	GFI 110V Receptacle (North America)		
	Not Available	Receptacle (Outside North America)		
215	4711400	Flatwasher 1/4" Narrow	1	
216	1703464	Decal - AC Power (North America Only - Not Shown) (Prior to S/N 111924)	1	
217	4420037	Tape, Insulation (S/N 49073 to Present)	4in/10cm	
218	Not Used			
219	1840018	Cable Carrier (S/N 49073 to Present)	1	
220	0641607	Bolt 3/8"-16NC x 7/8" (2646E2 Machines) (S/N 49073 to Present)	2	
221	3311605	Locknut 3/8"-16NC (2646E2 Machines) (S/N 49073 to Present)	2	
222	4711600	Flatwasher 3/8" Narrow	4	

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FIGURE 4-2.STANDARD HANDRAILS INSTALLATIONS (1532E2 & 1932E2)



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FIGURE 4-2. STANDARD HANDRAILS INSTALLATIONS (1532E2 & 1932E2)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		STANDARD HANDRAILS INSTALLATIONS (1532E2 & 1932E2) OPTIONS:	Ref.	
	0258047	STANDARD GATE	Ref.	O
	0258053	DRYWALL GATE - FULL SWING	Ref.	P
	0258294	DRYWALL GATE - 1/2 SWING	Ref.	N
1	0100011	Loctite #242	A/R	
2	0641605	Bolt 3/8"-16NC x 5/8" (Prior to S/N 108888)	4	
3	1260136	Chain	2ft/.6m	
4	1271404	Channel, Slide	2	
5	1840017	Cable Carrier (Prior to S/N 103151)	1	
6	2820097	Tubing, Vinyl	2ft/61cm	
7	Use 1001101076	Snap-Latch (Includes Item 8) (was p/n 2940064)	1	
8	3010088	Link	2	
9		Nut Options:	A/R	
	3300151	Acorn 1/4"-20NC (Prior to S/N 98156)		
	2080063	Nylon Lock Nut 1/4" - 20NC (S/N 98156 to Present)		
10		Nut Options:	A/R	
	3300356	Acorn 5/16"-18NC (Prior to S/N 98156)		
	2080064	Nylon Lock Nut 5/16" - 18NC (S/N 98156 to Present)		
11	3340612	Pad, Nylon Cover (Black)	18in/46cm	
12	3422369	Pin, Quick Release	A/R	
13	3570925	Plate, Placard	1	
14	3641259	Rail Weldment - Right Side Platform	1	
15	3641260	Rail Weldment - Left Side Platform	1	
16	3641261	Rail Weldment - Extension	1	
17		Rail Weldment - Rear Entry Options:	1	
	3641238	Standard Gate		
	3641299	Drywall Gate with Full Swing (Prior to S/N 68219)		
	3641309	Drywall Gate with Full Swing (S/N 68219 to Present)		
	4567738	Drywall Gate with 1/2 Swing		
18	Not Used			
19	3860085	Roller	2	
20	3911424	Screw 1/4"-20 1 1/2" (Drywall Gate Only)	A/R	
21		Screw Options:	A/R	
	3911428	Screw 1/4"-20 x 1 3/4" (Prior to S/N 52645)		
	3911432	Screw 1/4"-20 x 2" (S/N 52645 to Present)		
22	3911532	Screw 5/16"-18NC x 2"	A/R	
23	4420076	Tape, UHMW	12ft/3.6m	
24		Retainer, Rail Options:	A/R	
	Not Required	Standard Gate	0	
	4845829	Drywall Gate with Full Swing (Prior to S/N 90582 Only)	2	
	4845829	Drywall Gate with 1/2 Swing	1	
25	3820020	Rivet	6	

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FIGURE 4-2. STANDARD HANDRAILS INSTALLATIONS (1532E2 & 1932E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
26	Use 3860095	Roller Options: Prior to S/N 79527 (Was P/N 3860087)	2	
	3860095	S/N 79527 to Present		
27	4711400	Flatwasher 1/4" Narrow (Drywall Gate Only) (S/N 52645 to Present)	A/R	
28		Screw Options: (Standard Gate Only)	4	
	3911444	1/4"-20 x 2 3/4" (Prior to S/N 98156)		
	2080065	1/4"-20 x 3" (S/N 98156 to Present)		
29	2940074	Latch (Drywall Gate with 1/2 Swing)	1	
30	3300432	Nut, Acorn #10-24NC (Drywall Gate with 1/2 Swing)	4	
31	3430418	Pin, Clevis (Drywall Gate with 1/2 Swing)	2	
32	3450202	Pin, Cotter (Drywall Gate with 1/2 Swing)	2	
33	3520072	Plug, Cap (Drywall Gate with 1/2 Swing)	4	
34	3911008	Screw #10-24NC x 1/2" (Drywall Gate with 1/2 Swing)	4	
35		Spring, Hinge (Drywall Gate with 1/2 Swing) Options:	2	
	4160177	Prior to S/N 111642		
	4160200	S/N 111642 to Present		
36	4711500	Flatwasher 5/16"	A/R	
37	4740476	Washer Thrust (Drywall Gate with 1/2 Swing)	4	
38	4751000	Flatwasher #10 (Drywall Gate with 1/2 Swing)	4	
39		Weldment, Gate (Drywall Gate with 1/2 Swing) Options:	1	
	4845790	Prior to S/N 104900		
	4846599	S/N 104900 to Present		
40		Weldment, Support (Drywall Gate with 1/2 Swing) Options:	1	
	4845894	Prior to S/N 104900		
	4846598	S/N 104900 to Present		
41	4845895	Weldment, Support (Drywall Gate with 1/2 Swing)	1	
42	3911536	Screw 5/16" -18 x 2 1/4"	A/R	
43	3911408	Screw (S/N 103151 to Present)	3	
44	1320270	Clamp (S/N 103151 to Present)	3	
	0271553	Lanyard Installation (Not Shown)	Ref.	B
101	1703175	Decal, Lanyard	2	
102	1704277	Decal, Lanyard Attach Graphic	2	
103	3840732	Rod, Safety Belt Attach	1	

		Rail Kit Options:	1	2
	2901972	Standard Gate (Includes Items 4, 13 to 16)	1	2
	2901972	Drywall Gate - Full Swing (Includes Items 4, 13-16)	1	2
	2901974	Drywall Gate - 1/2 Swing (Includes Items 4, 13-16, 39, 40 and 41)	1	4

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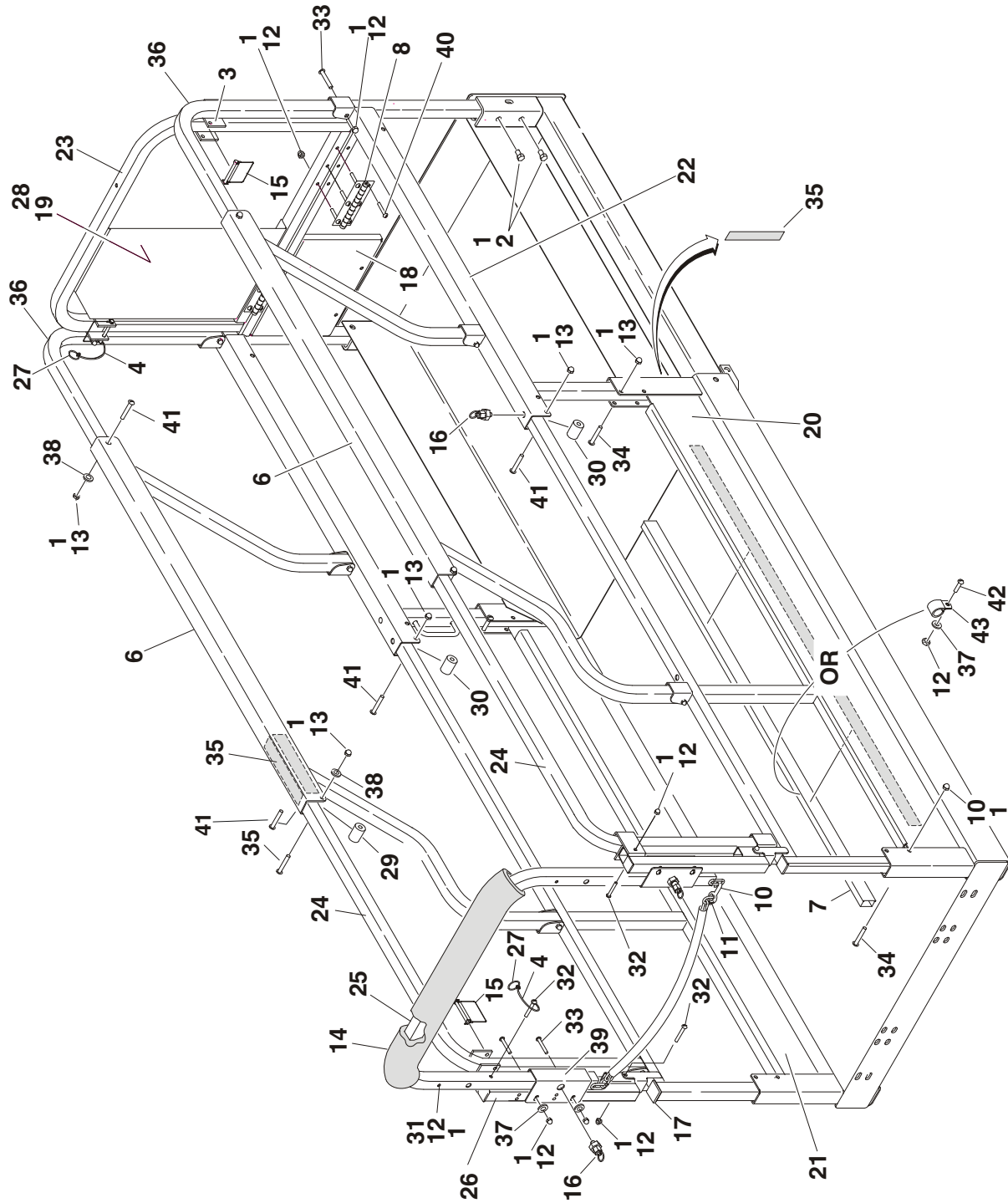
FIGURE 4-2. STANDARD HANDRAILS INSTALLATIONS (1532E2 & 1932E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-3.FOLDDOWN HANDRAILS INSTALLATIONS (1532E2 & 1932E2)



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FIGURE 4-3. FOLDDOWN HANDRAILS INSTALLATIONS (1532E2 & 1932E2)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		FOLDDOWN HANDRAILS INSTALLATIONS (1532E2 & 1932E2)	Ref.	
	0258667	DRYWALL GATE	Ref.	L
1	0100011	Loctite #242	A/R	
2	0641605	Bolt 3/8"-16NC x 5/8" (Prior to S/N 108888)	4	
3	0901870	Bracket	4	
4	1060379	Cable, Lanyard	4	
5	1260136	Chain	2ft/.6m	
6	1271404	Channel, Slide	2	
7	1840018	Cable Carrier (Prior to S/N 103151)	1	
8	2600231	Hinge	2	
9	2820097	Tubing, Vinyl	2ft/61cm	
10	Use 1001101076	Snap-Latch (Includes Item 11) (was p/n 2940064)	1	
11	3010088	Link	2	
12		Nut Options:	A/R	
	3300151	Acorn 1/4"-20NC (Prior to S/N 98211)		
	2080063	Nylon Lock Nut 1/4" - 20NC (S/N 98211 to Present)		
13		Nut Options:	A/R	
	3300356	Acorn 5/16"-18NC (Prior to S/N 98211)		
	2080064	Nylon Lock Nut 5/16" - 18NC (S/N 98211 to Present)		
14	3340612	Pad, Nylon Cover (Black)	1.5ft/46cm	
15	3422219	Pin, Snapper	4	
16	3422369	Pin, Quick Release	3	
17	3520072	Plug, Cap	6	
18	3571061	Plate, Placard	1	
19	3571145	Plate, Placard	1	
20	3641301	Rail Weldment - Right Side Platform	1	
21	3641302	Rail Weldment - Right Side Platform	1	
22	3641303	Rail Weldment - Extension	1	
23	3641304	Rail Weldment - Extension Top	1	
24	3641305	Rail Weldment - Top	2	
25	3641306	Rail Weldment - Left Side Top	1	
26	3641307	Rail Weldment - Vertical Support	2	
27	3760170	Ring, Quick Release	4	
28	3820020	Rivet	6	
29	3860085	Roller	2	
30		Roller Options:	2	
	Use 3860095	Prior to S/N 79527 (Was p/n 3860087)		
	3860095	S/N 79527 to Present		
31	3911424	Screw 1/4"-20 1 1/2"	2	
32	3911428	Screw Options:	6	
	3911428	Screw 1/4"-20 x 1 3/4" (Prior to S/N 98211)		
	3911432	Screw 1/4"-20 x 2" (S/N 98211 to Present)		
33	3911432	Screw 1/4"-20 x 2"	12	
34	3911532	Screw 5/16"-18NC x 2"	4	

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FIGURE 4-3. FOLDDOWN HANDRAILS INSTALLATIONS (1532E2 & 1932E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
35		Tape, UHMW Options:	A/R	
	4420062	Prior to S/N 112677	6ft/1.8m	
	4420062	S/N 112677 to Present	12	
36	4567710	Tube, Extension Top	2	
37	4711400	Flatwasher 1/4" Narrow	11	
38	4711500	Flatwasher 5/16" Narrow	4	
39	4845829	Retainer, Rail	2	
40	Use 3911428	Screw 1/4" - 20 x 1 5/8" (Prior to S/N 76497) (Was 3911426)	12	
	3911428	S/N 76497 to Present		
41	Use 3911536	Screw 5/16" - 18 2 1/8" (Prior to S/N 76497) Was P/N 3911534	6	
	3911536	S/N 76497 to Present		
42	3911408	Screw (S/N 103151 to Present)	3	
43	1320270	Clamp (S/N 103151 to Present)	3	
	0271553	Lanyard Installation (Not Shown)	Ref.	B
101	1703175	Decal, Lanyard	2	
102	1704277	Decal, Lanyard Attach Graphic	2	
103	3840732	Rod, Safety Belt Attach	1	
	2901975	----- Drywall Gate - 1/2 Swing (Includes Items 6, 18-24, 26 and 36)	1	3

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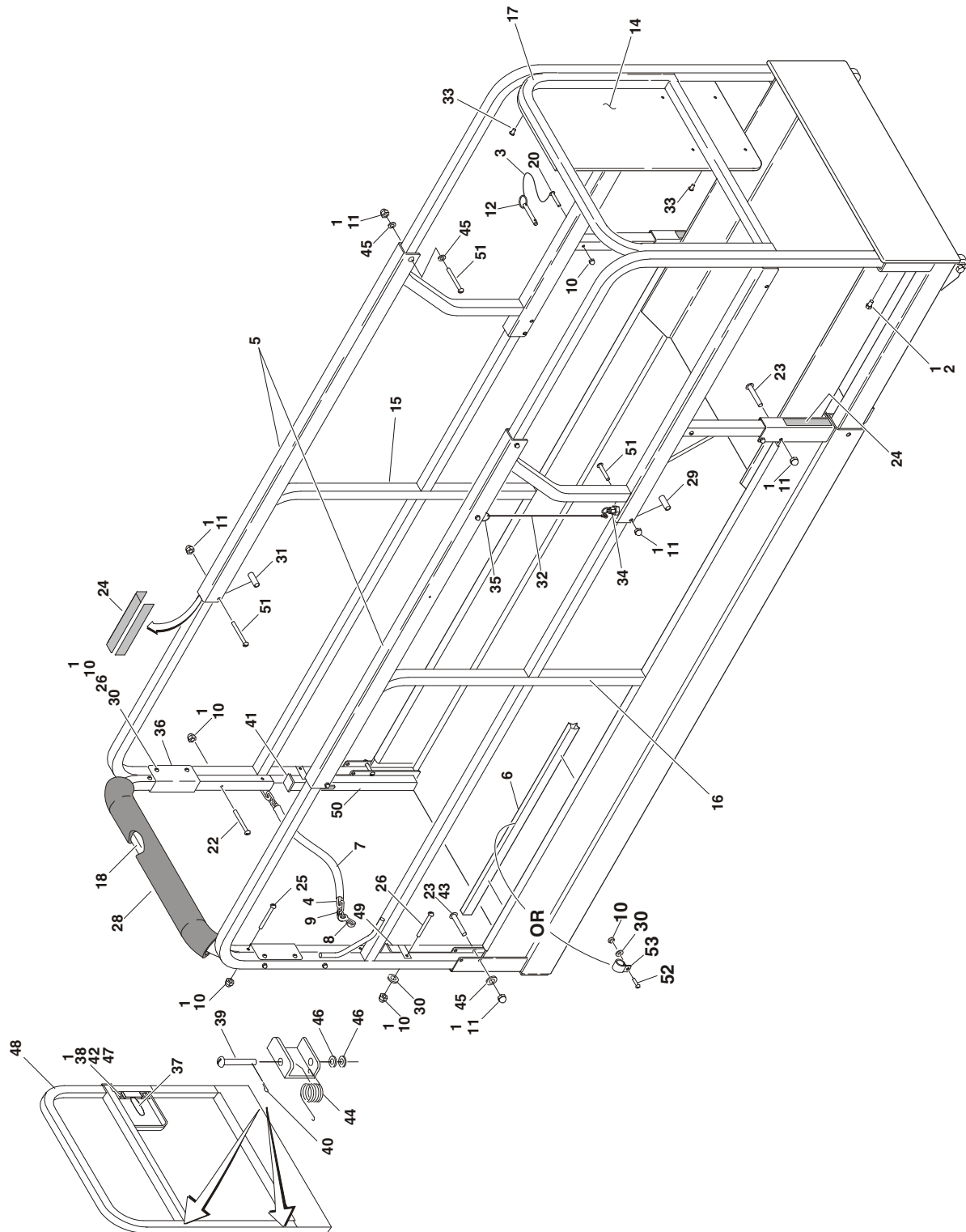
FIGURE 4-3. FOLDDOWN HANDRAILS INSTALLATIONS (1532E2 & 1932E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-4.STANDARD HANDRAILS INSTALLATIONS (2032E2)



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FIGURE 4-4. STANDARD HANDRAILS INSTALLATIONS (2032E2)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		STANDARD HANDRAILS INSTALLATIONS (2032E2)	Ref.	
		OPTIONS:	Ref.	
	0257562	STANDARD GATE	Ref.	O
	0257941	DRYWALL GATE - FULL SWING	Ref.	P
	0257951	DRYWALL GATE - 1/2 SWING	Ref.	N
1	0100011	Loctite #242	A/R	
2	0641605	Bolt 3/8"-16NC x 3" (Prior to S/N 108888)	4	
3	1060379	Cable, Lanyard (Prior to S/N 47798)	2	
4	1260136	Chain	2ft/.6m	
5	1271339	Channel, Slide	2	
6	1840017	Cable Carrier (Prior to S/N 103151)	1	
7	2820097	Tubing, Vinyl	2ft/61cm	
8	Use 1001101076	Snap-Latch (Includes Item 9) (was p/n 2940064)	1	
9	3010088	Link	2	
10		Nut Options:	A/R	
	3300151	Acorn 1/4"-20NC (Prior to S/N 98211)		
	2080063	Nylon Lock Nut 1/4" - 20NC (S/N 98211 to Present)		
11		Nut Options:	A/R	
	3300356	Acorn 5/16"-18NC (Prior to S/N 98211)		
	2080064	Nylon Lock Nut 5/16" - 18NC (S/N 98211 to Present)		
12	3422219	Pin, Quick Release (Prior to S/N 47798)	2	
13	3520072	Plug, Cap (Prior to S/N 51201)	4	
14	3570925	Plate, Placard	1	
15	3641200	Rail Weldment - Left Side Platform	1	
16	3641201	Rail Weldment - Right Side Platform	1	
17	3641202	Rail Weldment - Extension	1	
18		Rail Weldment - Rear Entry Options:	1	
	3641238	Standard Gate		
	3641238	Drywall Gate with Full Swing (Prior to S/N 51201)		
	3641309	Drywall Gate with Full Swing (S/N 51201 to Present)		
	4567738	Drywall Gate with 1/2 Swing		
19	Not Used			
20	3911426	Screw 1/4"-20 1 5/8" (Prior to S/N 47798)	2	
21	Not Used			
22		Screw Options (Standard Gate Only):	4	
	3911444	Screw 1/4"-20 x 2 3/4" (Prior to S/N 98211)		
	2080065	Screw 1/4"-20 x 3" (S/N 98211 to Present))		
23	3911532	Screw 5/16"-18NC x 2"	A/R	
24	4420076	Tape, UHMW (6" Long)	12	
25	3911424	Screw 1/4"-20 1 1/2"	A/R	
26	3911428	Screw 1/4"-20 x 1 3/4" (Prior to S/N 51201)	A/R	
	3911432	Screw 1/4"-20 x 2" (S/N 51201 to Present)	A/R	

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FIGURE 4-4. STANDARD HANDRAILS INSTALLATIONS (2032E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
27		Channel, Slide Options:	A/R	
	Not Required	Standard Gate	0	
	1271352	Drywall Gate with Full Swing (Prior to S/N 51201)	2	
	1271352	Drywall Gate with 1/2 Swing	1	
28	3340612	Pad, Nylon Cover	1.5ft/46cm	
29		Roller Options:	A/R	
	Not Required	Prior to S/N 51201	0	
	Use 3860095	Prior to S/N 79527 (Was P/N 3860087)	2	
	3860095	S/N 79527 to Present	2	
30	4711400	Flatwasher 1/4" (S/N 51201 to Present)	A/R	
31	3860085	Roller (S/N 51201 to Present)	2	
32	Use 1060329	Cable, Lanyard (Prior to S/N 76505)	1	
		Was P/N 1060695		
	1060697	S/N 76505 to S/N 103769		
	1060329	S/N 103769 to Present		
33	3820020	Rivet (S/N 51201 to Present)	6	
34	3422369	Pin, Plunger (S/N 51201 to Present)	3	
35	3760170	Ring, Quick Release (S/N 47798 to Present)	1	
36	4845829	Retainer, Rail (S/N 51201 to Present)	2	
37	2940074	Latch (Drywall Gate with 1/2 Swing Only)	1	
38	3300432	Nut, Acorn #10-24NC (Drywall Gate with 1/2 Swing Only)	6	
39	3430418	Pin, Clevis (Drywall Gate with 1/2 Swing Only)	2	
40	3450202	Pin. Cotter (Drywall Gate with 1/2 Swing Only)	2	
41	3520072	Plug, Cap (Drywall Gate with 1/2 Swing Only)	3	
42	3911008	Screw #10-24NC x 1/2" (Drywall Gate with 1/2 Swing Only)	4	
43	3911536	Screw 5/16"-18NC x 2 1/4" (Drywall Gate with 1/2 Swing Only)	2	
44		Spring, Hinge (Drywall Gate with 1/2 Swing Only)	2	
		Options:		
	4160177	Prior to S/N 111642		
	4160200	S/N 111642 to Present		
45	4711500	Flatwasher 5/16 Narrow	A/R	
46	4740476	Washer Thrust (Drywall Gate with 1/2 Swing Only)	4	
47	4751000	Flatwasher #10 Wide (Drywall Gate with 1/2 Swing Only)	4	
48	4845790	Weldment, Gate (Drywall Gate with 1/2 Swing Only)	1	
49	4845826	Weldment, Support (Drywall Gate with 1/2 Swing Only)	1	
50	4845827	Weldment, Support (Drywall Gate with 1/2 Swing Only)	1	
51	3911534	Screw 5/16" - 18 x 2 1/8" (S/N 98211 to Present)	6	
52	3911408	Screw (S/N 103151 to Present)	3	
53	1320270	Clamp (S/N 103151 to Present)	3	

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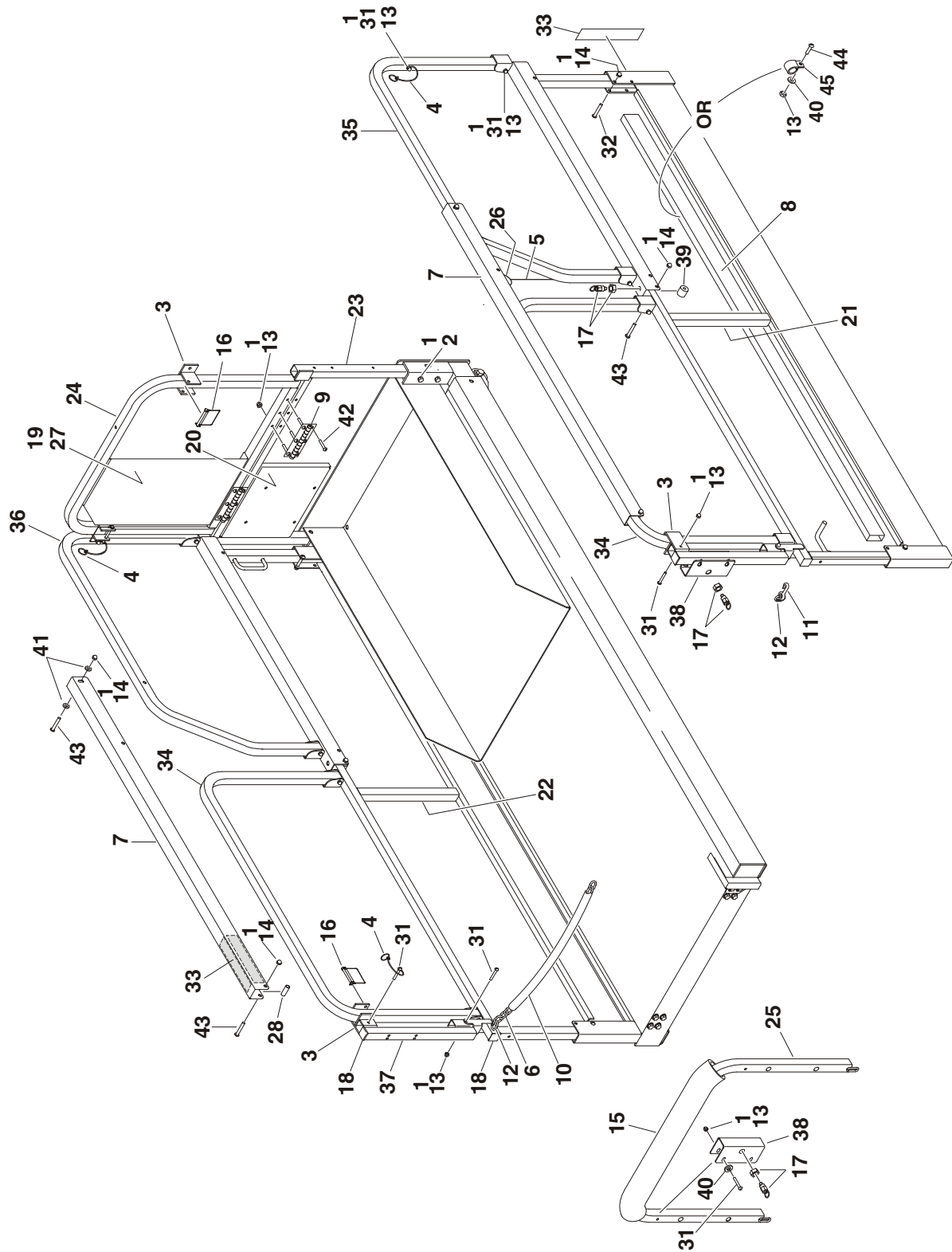
FIGURE 4-4. STANDARD HANDRAILS INSTALLATIONS (2032E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0271553	Lanyard Installation (Not Shown)	Ref.	B
101	1703175	Decal, Lanyard	2	
102	1704277	Decal, Lanyard Attach Graphic	2	
103	3840732	Rod, Safety Belt Attach	1	

	2901977	Standard Gate (Includes Items 5, 14-17)	1	2
	2901977	Drywall Gate - Full Swing (Includes Items 5, 14-17)	1	2
	2901979	Drywall Gate - 1/2 Swing (Includes Items 4, 14-17, 48 - 50)	1	3

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FIGURE 4-5. FOLDDOWN HANDRAILS INSTALLATIONS (2032E2 / 2632E2)



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FIGURE 4-5. FOLDDOWN HANDRAILS INSTALLATIONS (2032E2 / 2632E2)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		FOLDDOWN HANDRAILS INSTALLATION OPTIONS: (2032E2) / (2632E2)	Ref.	
	0258666	DRYWALL GATE - FULL SWING	Ref.	P
1	0100011	Loctite #242	1	
2	0641605	Bolt 3/8"-16NC x 3" (Prior to S/N 108888)	4	
3	0901870	Bracket Weldment	4	
4	1060379	Cable, Lanyard	4	
5		Cable, Lanyard	1	
	Use 1060329	(Was P/N 1060697) (Prior to S/N 103769)		
	1060329	(S/N 103769 to Present)		
6	1260136	Chain	2ft/.6m	
7	1271339	Channel, Slide	2	
8	1840017	Cable Carrier (Prior to S/N 103151)	1	
9	2600231	Hinge	2	
10	2820097	Tubing, Vinyl	2ft/61cm	
11	Use 1001101076	Snap-Latch (Includes Item 12) (was p/n 2940064)	1	
12	3010088	Link	2	
13		Nut Options:	A/R	
	3300151	Acorn 1/4"-20NC (Prior to S/N 98211)		
	2080063	Nylon Lock Nut 1/4" - 20NC (S/N 98211 to Present)		
14		Nut Options:	A/R	
	3300356	Acorn 5/16"-18NC (Prior to S/N 98211)		
	2080064	Nylon Lock Nut 5/16" - 18NC (S/N 98211 to Present)		
15	3340612	Pad, Nylon Cover	1.5ft/46cm	
16	3422219	Pin, Snap	4	
17	3422369	Pin, Plunger	3	
18	3520072	Plug, Cap	8	
19	3571060	Plate, Placard	1	
20	3571061	Plate, Placard	1	
21	3641269	Rail Weldment - Platform Right Side Bottom Section	1	
22	3641270	Rail Weldment - Platform Left Side Bottom Section	1	
23	3641271	Rail Weldment - Extension Front Bottom Section	1	
24	3641272	Rail Weldment - Extension Front Top Section	1	
25	3641295	Rail Weldment - Platform Rear	1	
26	3760170	Ring	5	
27	3820020	Rivet	9	
28	3860085	Roller	2	
29	3911424	Screw 1/4"-20 x 1 1/2"	2	
30	3911430	Screw 1/4"-20 x 1 3/4" (Prior to S/N 98211)	6	
31	3911432	Screw 1/4"-20 x 2"	18	
32	3911532	Screw 5/16"-18NC x 2"	4	
33	4420076	Tape, UHMW	12	

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FIGURE 4-5. FOLDDOWN HANDRAILS INSTALLATIONS (2032E2 / 2632E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
34		Rail Weldment - Platform Right & Left Sides Top Sections Options:	2	
	4567610	Prior to S/N 49450		
	3641311	S/N 49450 to Present		
35	4567611	Rail Weldment - Extension Right Side Top Section	1	
36		Rail Weldment - Extension Left Side Top Section Options:	1	
	4567615	Prior to S/N 82160		
	4567611	S/N 82160 to Present		
37	4845825	Rail Weldment - Platform Rear Left & Right Top Sections	2	
38	4845829	Retainer, Rail	2	
39		Roller Options:	A/R	
	Not Required	Prior to S/N 51201	0	
	Use 3860095	Prior to S/N 79527 (Was p/n 3860087)	2	
	3860095	S/N 79527 to Present	2	
40	4711400	Flatwasher 1/4" Narrow (S/N 52645 to Present)	11	
41	4711500	Flatwasher 5/16" Narrow (S/N 60838 to Present)	8	
42		Screw 1/4" - 20 x 1 5/8" Options: (Not Shown)	24	
	3911426	Prior to S/N 76505		
	3911428	S/N 76505 to Present		
43	Use 3911536	Screw 5/16" - 18 x 2 1/8" (Prior to S/N 76505) Was P/N 3911534	6	
	3911536	S/N 76505 to Present		
44	3911408	Screw (S/N 103151 to Present)	3	
45	1320270	Clamp (S/N 103151 to Present)	3	
	0271553	Lanyard Installation (Not Shown)	Ref.	B
101	1703175	Decal, Lanyard	2	
102	1704277	Decal, Lanyard Attach Graphic	2	
103	3840732	Rod, Safety Belt Attach	1	
	2901980	Drywall Gate - Full Swing (Includes Items 7, 19-24, 34, 35 and 37)	1	3

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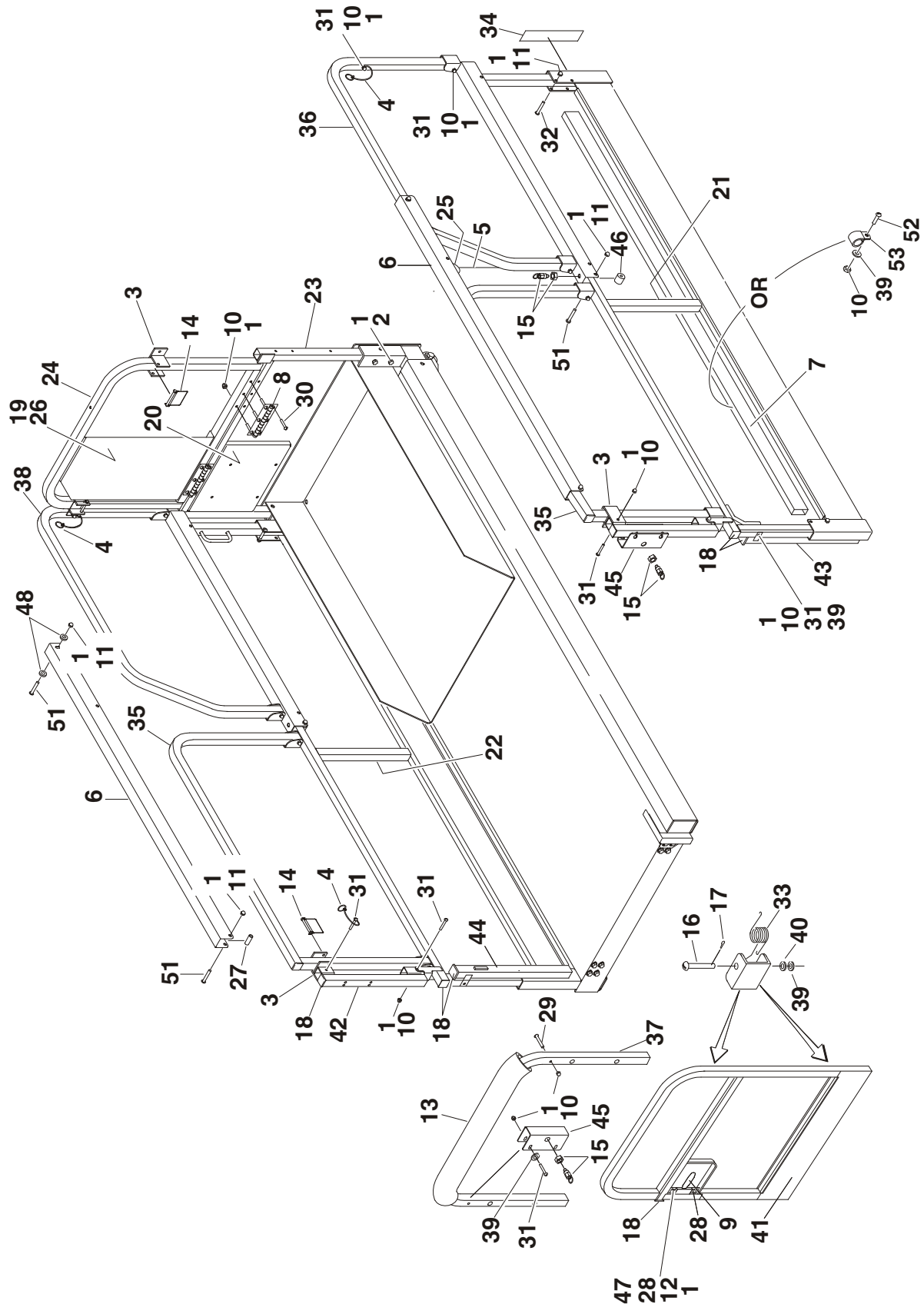
FIGURE 4-5. FOLDDOWN HANDRAILS INSTALLATIONS (2032E2 / 2632E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-6.FOLDDOWN HANDRAILS INSTALLATIONS (2632E2)



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FIGURE 4-6. FOLDDOWN HANDRAILS INSTALLATIONS (2632E2)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		FOLDDOWN HANDRAIL INSTALLATION (2632E2) OPTIONS:	Ref.	
	0257952	DRYWALL GATE - 1/2 SWING	Ref.	Q
1	0100011	Loctite #242	1	
2	0641605	Bolt 3/8"-16NC x 3" (Prior to S/N 108888)	4	
3	0901870	Bracket Weldment	4	
4	1060379	Cable, Lanyard	4	
5		Cable, Lanyard	1	
	Use 1060329	(Was P/N 1060697) (Prior to S/N 103769)		
	1060329	(S/N 103769 to Present)		
6	1271339	Channel, Slide	2	
7		Cable Carrier Options:	A/R	
	1840018	Dust (Prior to S/N 103151)	1	
	1320270	Clamp (S/N 103151 to Present) (Not Shown)	3	
8	2600231	Hinge	2	
9	2940074	Latch	1	
10		Nut Options:	39	
	3300151	Acorn 1/4"-20NC (Prior to S/N 98211)		
	2080063	Nylon Lock Nut 1/4" - 20NC (S/N 98211 to Present)		
11		Nut Options:	12	
	3300356	Acorn 5/16"-18NC (Prior to S/N 98211)		
	2080064	Nylon Lock Nut 5/16" - 18NC (S/N 98211 to Present)		
12	3300432	Nut, Acorn #10-24NC	4	
13	3340612	Pad, Nylon Cover	1.5ft/46cm	
14	3422219	Pin, Snap	4	
15	3422369	Pin, Plunger	3	
16	3430418	Pin, Clevis	2	
17	3450202	Pin, Cotter 1/16" x 1/2"	2	
18	3520072	Plug, Cap	11	
19	3571060	Plate, Placard	1	
20	3571061	Plate, Placard	1	
21	3641269	Rail Weldment - Platform Right Side Bottom Section	1	
22	3641270	Rail Weldment - Platform Left Side Bottom Section	1	
23	3641271	Rail Weldment - Extension Front Bottom Section	1	
24	3641272	Rail Weldment - Extension Front Top Section	1	
25	3760170	Ring	5	
26	3820020	Rivet	9	
27	3860085	Roller	4	
28	3911008	Screw #10-24NC x 1 1/2"	4	
29	3911424	Screw 1/4"-20NC x 1 1/2"	4	
30	3911428	Screw 1/4"-20NC x 1 3/4"	12	
31	3911432	Screw 1/4"-20NC x 2"	20	
32	3911532	Screw 5/16"-18NC x 2"	6	

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FIGURE 4-6. FOLDDOWN HANDRAILS INSTALLATIONS (2632E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
33		Spring, Hinge Options:	2	
	4160177	Prior to S/N 111642		
	4160200	S/N 111642 to Present		
34	4420076	Tape, UHMW	12ft/3.6m	
35		Rail Weldment - Platform Right & Left Sides Top Sections Options:	2	
	4567610	Prior to S/N 49450		
	3641311	S/N 49450 to Present		
36	4567611	Rail Weldment - Extension Right Side Top Section	2	
37	4567614	Rail Weldment - Platform Rear	1	
38	4567615	Rail Weldment - Extension Left Side Top Section (Prior to S/N 93070 Only)	1	
39	4711400	Flatwasher 1/4" Narrow	17	
40	4740476	Thrustwasher	4	
41	4845790	Gate, Self-Closing	1	
42	4845825	Rail Weldment - Platform Rear Left & Right Top Sections	2	
43	4845826	Rail, Support (Right Side Rear)	1	
44	4845827	Rail, Support (Left Side Rear)	1	
45	4845829	Retainer, Rail	2	
46	4566849	Tube, Spacer (Prior to S/N 52645)	2	
	Use 3860095	Roller (S/N 52645 to S/N 79527) (Was p/n 3860087)	2	
	3860095	Roller (S/N 79527 to Present)	2	
47	4751000	Flatwasher #10 Wide	4	
48	4751500	Flatwasher 5/16" Narrow	4	
49	3911426	Screw 1/4" - 20 x 1 5/8" (S/N 98211 to Present) (Not Shown)	12	
50	3911534	Screw 5/16" -18 x 2 1/8" (S/N 98211 to Present) (Not Shown)	2	
51	3911536	Screw 5/16"-18NC x 2 1/4"	6	
52	3911408	Screw (S/N 103151 to Present)	3	
53	1320270	Clamp (S/N 103151 to Present)	3	
	0271553	Lanyard Installation (Not Shown)	Ref.	B
101	1703175	Decal, Lanyard	2	
102	1704277	Decal, Lanyard Attach Graphic	2	
103	3840732	Rod, Safety Belt Attach	1	
	2901981	Drywall Gate - 1/2 Swing (Includes Items 6, 19-24, 35, 36, 41-44)	1	5

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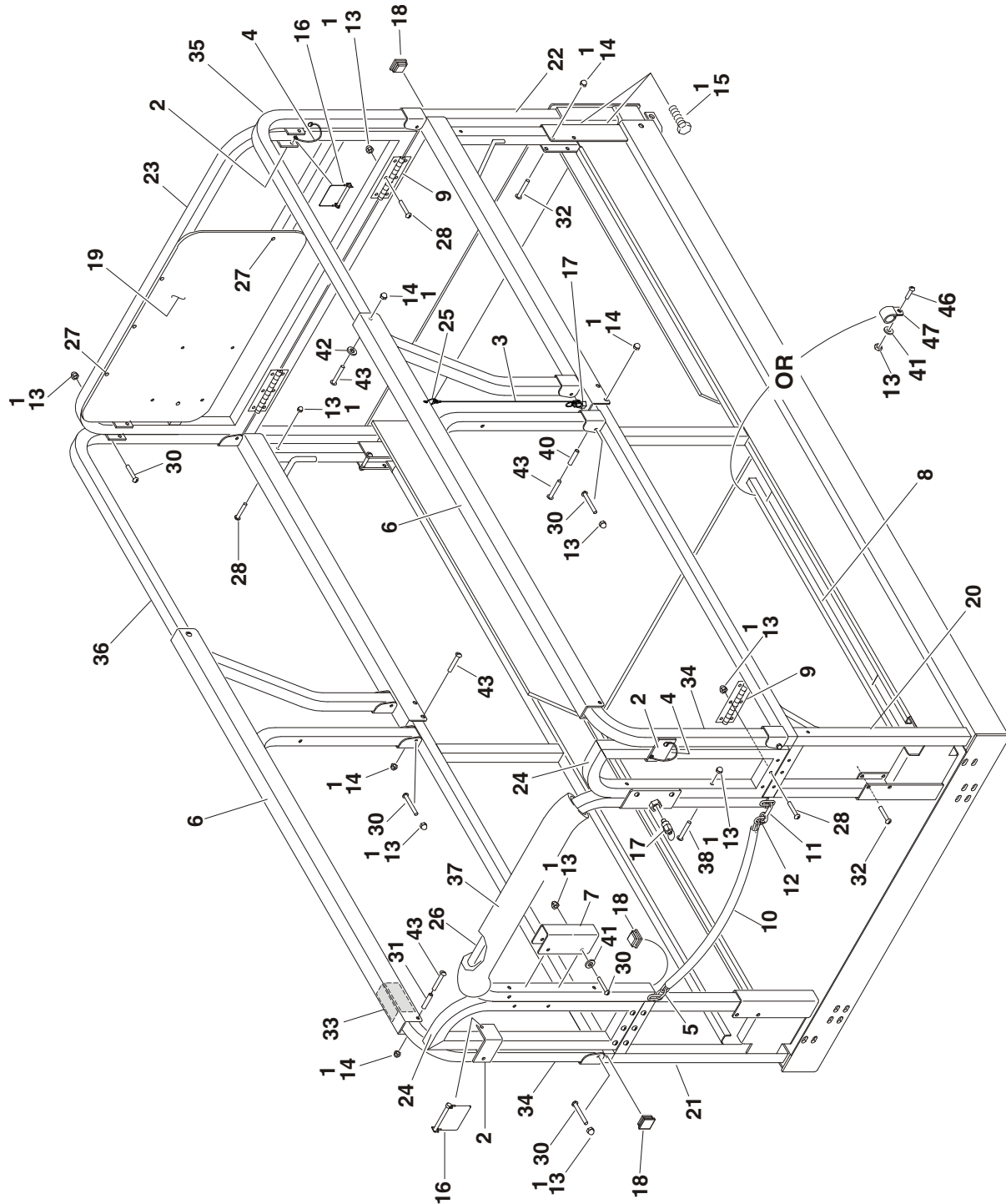
FIGURE 4-6. FOLDDOWN HANDRAILS INSTALLATIONS (2632E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-7.FOLDDOWN HANDRAILS INSTALLATIONS (2646E2 & 3246E2)



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FIGURE 4-7. FOLDDOWN HANDRAILS INSTALLATIONS (2646E2 & 3246E2)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		FOLDDOWN HANDRAILS INSTALLATIONS (2646E2 & 3246E2) OPTIONS:	Ref.	
	0257745	STANDARD GATE	Ref.	V
	0257953	DRYWALL GATE - FULL SWING	Ref.	V
1	0100011	Loctite #242	1	
2	0901870	Bracket Weldment	4	
3		Cable, Lanyard	1	
	Use 1060329	(Was 1060697) (Prior to S/N 103769)		
	1060329	(S/N 103769 to Present)		
4	1060379	Cable, Lanyard	4	
5	1260136	Chain	2ft/.6m	
6	1271339	Channel, Slide	2	
7		Channel, Slide Options:	A/R	
	Not Required	Standard Gate	0	
	1271352	Drywall Gate with Full Swing (Prior to S/N 51201)	2	
	4845829	Drywall Gate with Full Swing (S/N 51201 to Present)	2	
8	1840017	Cable Carrier (Prior to S/N 103151)	1	
9	2600231	Hinge	4	
10	2820097	Tubing, Vinyl	2ft/61cm	
11	Use 1001101076	Snap-Latch (Includes Item 12) (was p/n 2940064)	1	
12	3010088	Link	2	
13		Nut Options:	A/R	
	3300151	Acorn 1/4"-20NC (Prior to S/N 98211)		
	2080063	Nylon Lock Nut 1/4" - 20NC (S/N 98211 to Present)		
14		Nut Options:	A/R	
	3300356	Acorn 5/16"-18NC (Prior to S/N 98211)		
	2080064	Nylon Lock Nut 5/16" - 18NC (S/N 98211 to Present)		
15	0641605	Bolt 3/8"-16NC x 5/8" (Prior to S/N 108888)	4	
16	3422219	Pin, Snap	4	
17	3422369	Pin, Plunger	3	
18	3520072	Plug, Cap	8	
19	3570926	Plate, Placard	1	
20		Rail Weldment - Platform Right Side Bottom Section Options:	1	
	3641290	Prior to S/N 82160		
	3641296	S/N 82160 to Present		
21		Rail Weldment - Platform Left Side Bottom Section Options:	1	
	3641291	Prior to S/N 82160		
	3641297	S/N 82160 to Present		
22	3641219	Rail Weldment - Extension Front Bottom Section	1	
23	3641275	Rail Weldment - Extension Front Top Section	1	
24	3641286	Rail Weldment - Platform Rear Right & Left Top Section	2	

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FIGURE 4-7. FOLDDOWN HANDRAILS INSTALLATIONS (2646E2 & 3246E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
25	3760170	Ring, Quick Release	1	
26		Rail Weldment Options:	1	
	3641247	Rail Weldment (Prior to S/N 99066 Only)		
	3641310	Rail Weldment (S/N 99066 to Present)		
27	3820020	Rivet	A/R	
28	3911428	Screw (1/4"-20 x 1 1/4")	A/R	
29	3911430	Screw 1/4"-20 x 1 3/4" (Prior to S/N 99066 Only)	A/R	
30	3911432	Screw 1/4"-20 x 2"	A/R	
31	3860085	Roller	2	
32	3911532	Screw 5/16"-18NC x 2"	4	
33	4420076	Tape, UHMW	12ft/3.6m	
34	4567315	Rail Weldment - Platform Right & Left Side Top Section	2	
35	4567318	Rail Weldment - Extension Right Side Top Section	2	
36	4567346	Rail Weldment - Extension Left Side Top Section (Prior to S/N 99066 Only)	1	
37	3340612	Pad, Nylon Cover	1.5ft/46cm	
38	3911444	Screw 1/4"-20 x 2 3/4"	A/R	
39	3820020	Rivet (S/N 51201 to Present)	2	
40		Roller Options:	A/R	
	Not Required	Prior to S/N 51201	0	
	Use 3860095	Prior to S/N 79527 (Was p/n 3860087)	2	
	3860095	S/N 79527 to Present	2	
41	4711400	Flatwasher 1/4" Narrow (S/N 51201 to Present)	8	
42	4711500	Flatwasher 5/16" Narrow (S/N 51201 to Present)	4	
43	Use 3911536	Screw 5/16" - 18 x 2 1/8" (Prior to S/N 76503) Was P/N 3911534	A/R	
	3911536	S/N 76503 to Present		
44 to 45	Not Used			
46	3911408	Screw (S/N 103151 to Present)	3	
47	1320270	Clamp (S/N 103151 to Present)	3	
	0271553	Lanyard Installation (Not Shown)	Ref.	B
101	1703175	Decal, Lanyard	2	
102	1704277	Decal, Lanyard Attach Graphic	2	
103	3840732	Rod, Safety Belt Attach	1	
	2901982	Standard Gate (Includes Items 6, 19-24, 34-36)	1	4
	Not Available	Drywall Gate - Full Swing		

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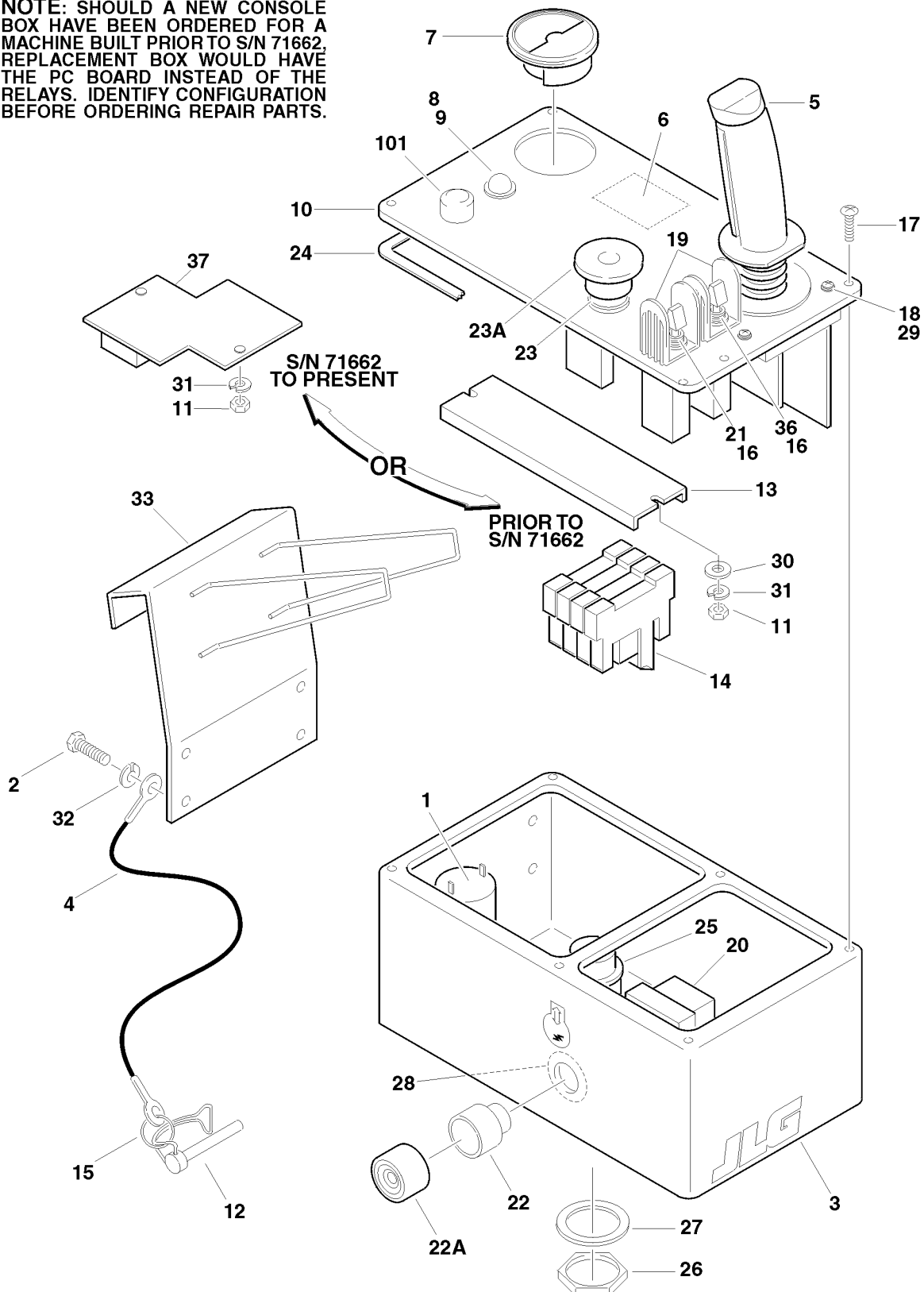
FIGURE 4-7. FOLDDOWN HANDRAILS INSTALLATIONS (2646E2 & 3246E2) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-8.PLATFORM CONSOLE BOX ASSEMBLIES (STANDARD CONTROL MACHINES)

NOTE: SHOULD A NEW CONSOLE BOX HAVE BEEN ORDERED FOR A MACHINE BUILT PRIOR TO S/N 71662, REPLACEMENT BOX WOULD HAVE THE PC BOARD INSTEAD OF THE RELAYS. IDENTIFY CONFIGURATION BEFORE ORDERING REPAIR PARTS.



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FIGURE 4-8. PLATFORM CONSOLE BOX ASSEMBLIES (STANDARD CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		PLATFORM CONSOLE BOX ASSEMBLIES OPTIONS:	Ref.	
	0258462	Without Tilt Indicators (Built with Relays)	Ref.	C
	0258458	Without Tilt Indicators & With Battery Discharge Indicator (Built with Relays)	Ref.	C
		With Tilt Indicators (Built with PC Board) Options:	Ref.	
	0258463	(Prior to S/N 112511)	Ref.	I
	0273152	(S/N 112511 to Present)	Ref.	A
		With Tilt Indicators & Battery Discharge Indicator (Built with PC Board) Options:	Ref.	
	0258459	(Prior to S/N 112511)	Ref.	I
	0273154	(S/N 112511 to Present)	Ref.	A
		With Tilt Indicators & Cut-Out (Built with PC Board) Options:	Ref.	
	0258464	(Prior to S/N 112511)	Ref.	I
	0273152	(S/N 112511 to Present)	Ref.	A
		With Tilt Indicators, Cut-Out & Battery Discharge Indicator (Built with PC Board)	Ref.	
	0258460	(Prior to S/N 112511)	Ref.	H
	0273154	(S/N 112511 to Present)	Ref.	A
		NOTE: SHOULD A NEW CONSOLE BOX HAVE BEEN ORDERED FOR A MACHINE BUILT PRIOR TO S/N 71662, REPLACEMENT BOX WOULD HAVE THE PC BOARD INSTEAD OF THE RELAYS. IDENTIFY CONFIGURATION BEFORE ORDERING REPAIR PARTS.	Ref.	
1		Alarm Options:	A/R	
	Not Required	Without Tilt Indicators	0	
	0140011	With Tilt Indicator	1	
2	0641404	Bolt 1/4"-20NC x 1/2"	4	
3		Box, Platform	1	
	0861147	Without Tilt Indicators		
	0861174	With Tilt Indicator		
4		Cable, Lanyard Options:	1	
	Use 1060329	Prior to S/N 111924 (Was P/N 1060492)		
	1060329	S/N 111924 to Present		
5		Controller Assembly Options (See Figure 4-9 for Breakdown):	1	
	1600268	Prior to S/N 59220		
	1600295	S/N 59220 to Present		
6	1703803	Decal - Relay Function (Prior to S/N 71662 Only)	1	
7	Use 2420201	Gauge, Battery Discharge Indicator (Was 2420186) (Optional - When Equipped)	1	
8		Lamp, Indicator Options:	A/R	
	Not Required	Without Tilt Indicators	0	
	2920026	With Tilt Indicators	1	
9		Bulb, Light Options:	A/R	
	Not Required	Without Tilt Indicators	0	
	2920094	With Tilt Indicators	1	

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**FIGURE 4-8. PLATFORM CONSOLE BOX ASSEMBLIES (STANDARD CONTROL MACHINES)
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
10		Lid, Nameplate Options:	1	
	3252603	Without Tilt Indicators/ Without Battery Discharge Indicator		
	3252601	Without Tilt Indicators/ With Battery Discharge Indicator		
	3252604	With Tilt Indicators/ Without Battery Discharge Indicator		
	3252602	With Tilt Indicators/ With Battery Discharge Indicator		
11	3311001	Nut #10-24NC	2	
12	3421453	Snap-Pin	1	
13	3641237	Rail (Prior to S/N 71662 Only)	1	
14	3740129	Relay, DPDT (Prior to S/N 71662 Only)	A/R	
15	3760170	Ring, Quick Release	1	
16	3790012	O-Ring	2	
17	3900177	Screw, Plastite #8 x 1/2"	6	
18	3900178	Screw, Plastite #10-32NF x 1/2"	4	
19	4060802	Guard, Switch	2	
20	4360267	Switch, Contact - N.O.	1	
21	4360328	Switch, Toggle	1	
22	4360339	Switch, Push Button (Enable)	1	
22A	7012593	Boot, Green	1	
23		Switch, Emergency Stop Options:	1	
	4360289	Switch Prior to S/N 69428		
	4360475	Switch S/N 69428 to Present		
	7012612	Boot (Use with 4360289 Switch)	1	
	7020176	Block, Contact (Use with 4360475 Switch)	1	
23A		Cap Options:	1	
	7012611	Cap (Use with 4360289 Switch)		
	7020175	Cap (Use with 4360475 Switch)		
24	4420008	Tape	3ft/.9m	
25	4460495	Connector, Electrical	1	
26	4460496	Lockwasher, Receptacle	1	
27	4460497	Nut, Receptacle	1	
28	4740066	Thrustwasher, Bronze	1	
29	4740120	Washer, Nylon	4	
30	4751000	Flatwasher #10	A/R	
31	4761000	Lockwasher #10	2	
32	4761400	Lockwasher 1/4"	4	
33	4845755	Bracket, Hanger	1	
34		Harness - Platform Control Box Options (Not Shown - See Section 7 for Breakdown):	1	
	4922142	Without Tilt Indicators (Prior to S/N 71662)		
	Not Available	Without Tilt Indicators (S/N 71662 to Present)		
	4922143	With Tilt Indicators (Prior to S/N 71662)		
	4922371	With Tilt Indicators (S/N 71662 to Present) (Has 5 Pin & 6 Pin Connectors at PC Board)		
	4922143	With Tilt Indicators & Cut-Out (Prior to S/N 71662)		

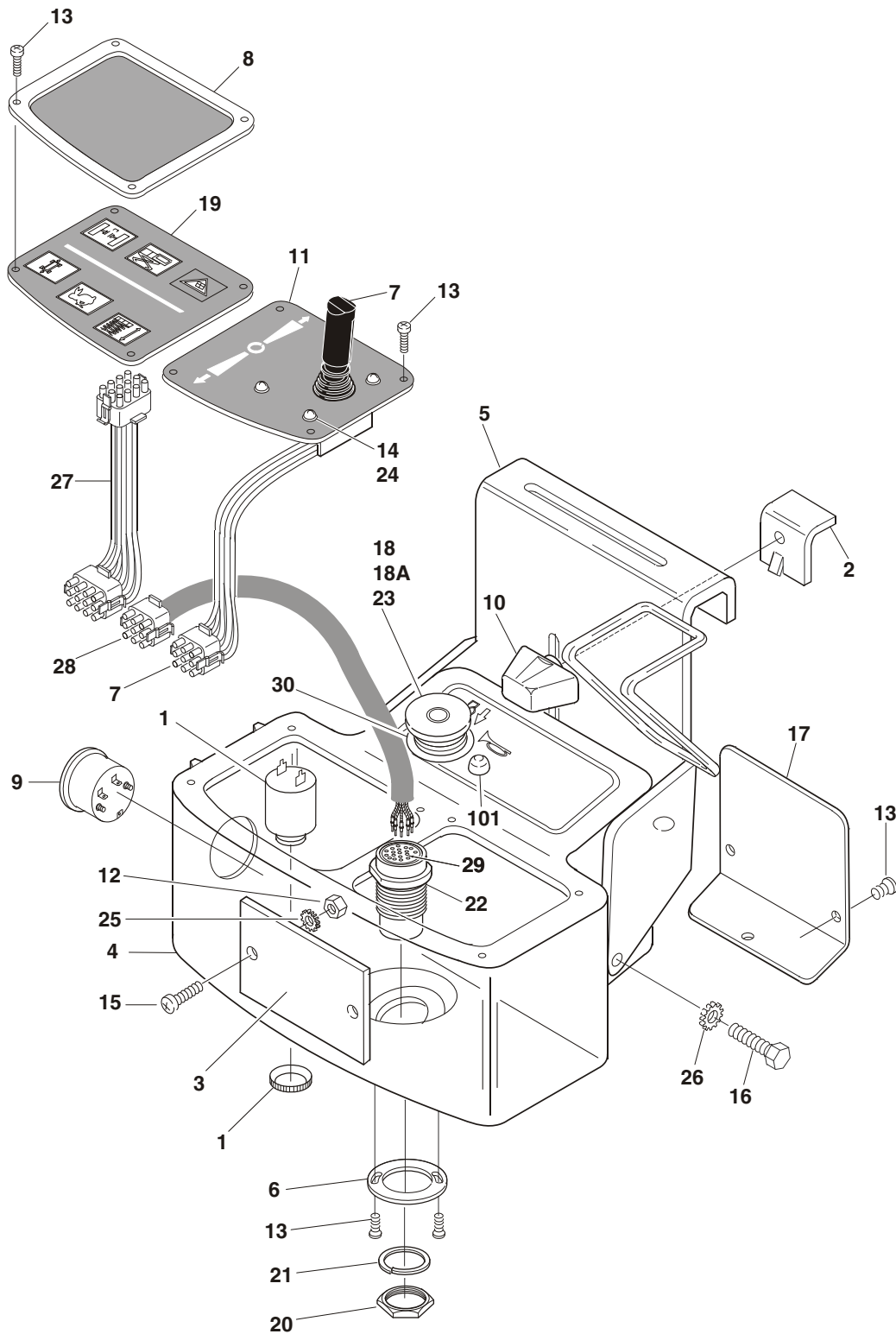
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**FIGURE 4-8. PLATFORM CONSOLE BOX ASSEMBLIES (STANDARD CONTROL MACHINES)
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
34 (cont'd)	4922372	With Tilt Indicators & Cut-Out (S/N 71662 to Present) (Has 7 Pin & 6 Pin Connectors at PC Board)		
35	4922062	Harness - Platform Relay (Prior to S/N 71662 Only) (Not Shown - See Section 7 for Breakdown)	1	
36	4360336	Switch, Toggle	1	
37		Board, PC Logic Module Options (S/N 71662 to Present Only):	1	
	Use 0610149	Machines with Tilt Indicator (Has 5 Pin & 6 Pin Connectors & 2 White Blocks) (Prior to S/N 112511) (Was P/N 0610132)		
	0610149	(S/N 112511 to Present)		
	0610133	Machines with Tilt Indicator & Cut-Out (Has 7 Pin & 6 Pin Connectors & 3 White Blocks)		
		HORN INSTALLATION (OPTIONAL)	Ref.	
101	4360387	Switch, Push Button	1	

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FIGURE 4-9.PLATFORM CONSOLE BOX ASSEMBLIES (PROPORTIONAL CONTROL MACHINES)



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FIGURE 4-9. PLATFORM CONSOLE BOX ASSEMBLIES (PROPORTIONAL CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		CONSOLE BOX ASSEMBLY OPTIONS:	Ref.	
	0258108	Console Box with Tilt Light	Ref.	H
	0258109	Console Box without Tilt Light	Ref.	E
	0258111	Console Box With Battery Indicator and Tilt	Ref.	H
	0258112	Console Box With Battery Indicator	Ref.	E
1	0140011	Alarm (W/Tilt Light Only)	1	
2	0181847	Angle, Latch	1	
3	0610123	Card, Circuit	1	
4		Box, Platform Options:		
	0861256	With Battery Indication and Tilt Light	1	
	0861235	Without Tilt Light	1	
	0861255	With Tilt Light	1	
	0861254	With Battery Indicator	1	
5	0902485	Hanger, Bracket	1	
6	0902499	Bracket	1	
7	1600282	Controller Assembly (See Figure 4-10 for Breakdown)	1	
8	1670869	Cover, Bezel	1	
9	2420176	Gauge, Battery Indicator (with Battery Indicator Only)	1	
10	2560141	Thumbscrew	1	
11	3252610	Lid, Nameplate	1	
12	3310601	Nut #6-32	2	
13	3900265	Self Tapping #8-18 x 3/4"	A/R	
14	3900178	Screw, Plastite #10-32 x 1/2"	4	
15	3900226	Screw, Plastite #8 x 1/2"	2	
16		Hardware Options:	4	
	3900227	Screw, Plastite 1/4"-20NC x 1/2" (Prior to S/N 85825)		
	0641404	Bolt 1/4"-20NC x 1/2" (S/N 85825 to Present)		
17		Shield, Back Cover Options:	1	
	4060914	Prior to S/N 61362		
	4060976	S/N 61362 to Present		
18		Switch, Emergency Stop Options:	1	
	4360289	Switch Prior to S/N 69428		
	4360475	Switch S/N 69428 to Present		
	7012612	Boot (Use with 4360289 Switch)	1	
	7020176	Block, Contact (Use with 4360475 Switch)	1	
18A		Cap Options:	1	
	7012611	Cap (Use with 4360289 Switch)		
	7020175	Cap (Use with 4360475 Switch)		
19		Switch, Keypad Options:		
	4360453	With Tilt Light	1	
	4360454	Without Tilt Light	1	
20	4460470	Nut, Terminal	1	
21	4460471	Lockwasher, Terminal	1	
22	4460613	Connector, Electrical	1	
23	4740066	Washer, Thrust (Bronze) (Prior to S/N 69428 Only)	1	

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**FIGURE 4-9. PLATFORM CONSOLE BOX ASSEMBLIES (PROPORTIONAL CONTROL MACHINES)
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
24	4740120	Washer, Nylon	4	
25	4760600	Lockwasher #6	2	
26	4761400	Lockwasher 1/4"	4	
27	4922183	Harness - Membrane Pad (See Section 7 for Breakdown)	1	
28	4922184	Harness - Platform Control Box (See Section 7 for Breakdown)	1	
29	4460466	Seal, Terminal	7	
30	1704260	Decal - EMS (With Battery Indicator and Tilt Only)	A/R	
	0259655	HORN COMPONENTS INSTALLATION	Ref.	B
101	4360387	Switch, Push Button	1	

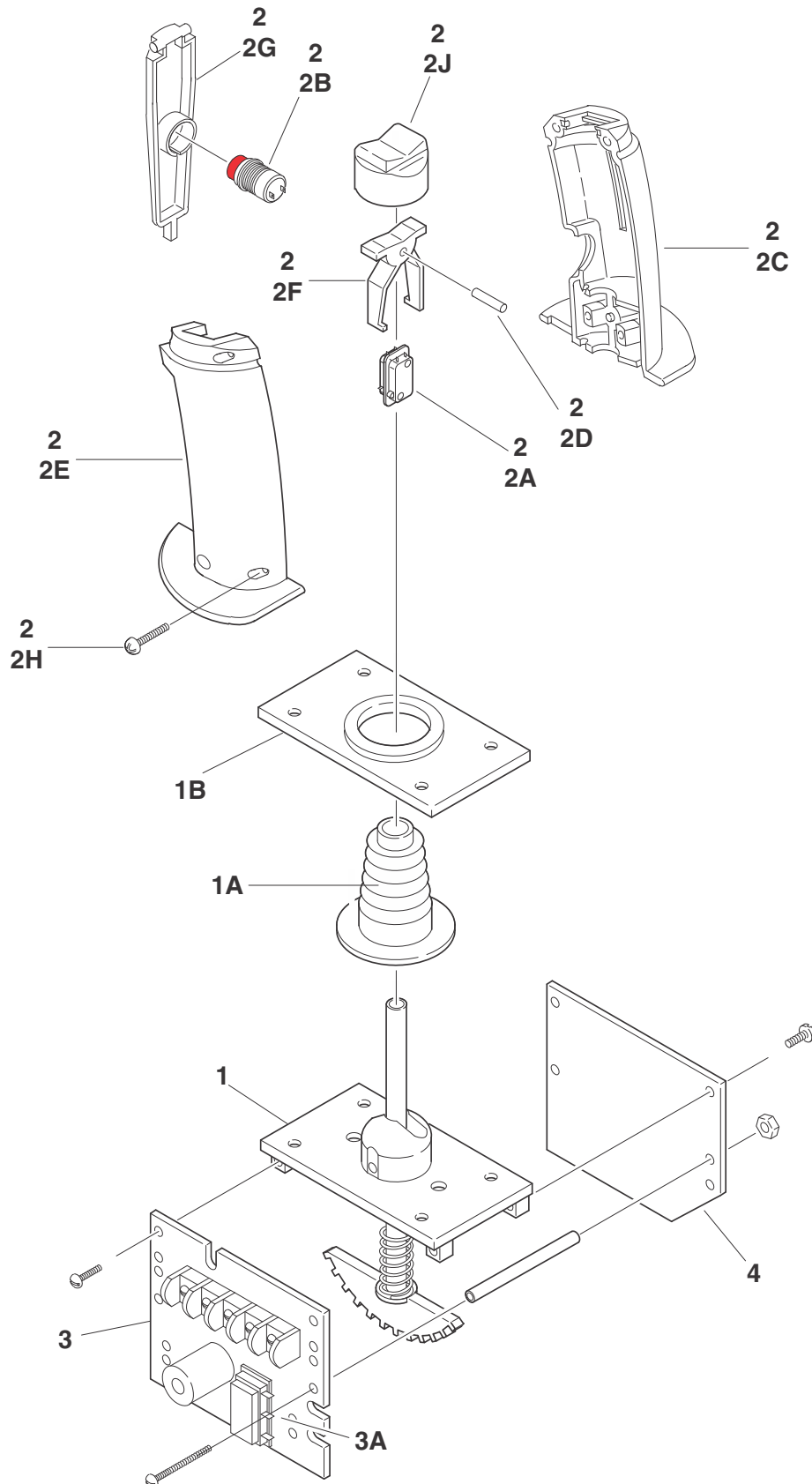
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FIGURE 4-9. PLATFORM CONSOLE BOX ASSEMBLIES (PROPORTIONAL CONTROL MACHINES)
(CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 4-10. CONTROLLER ASSEMBLY (STANDARD CONTROLS MACHINES)



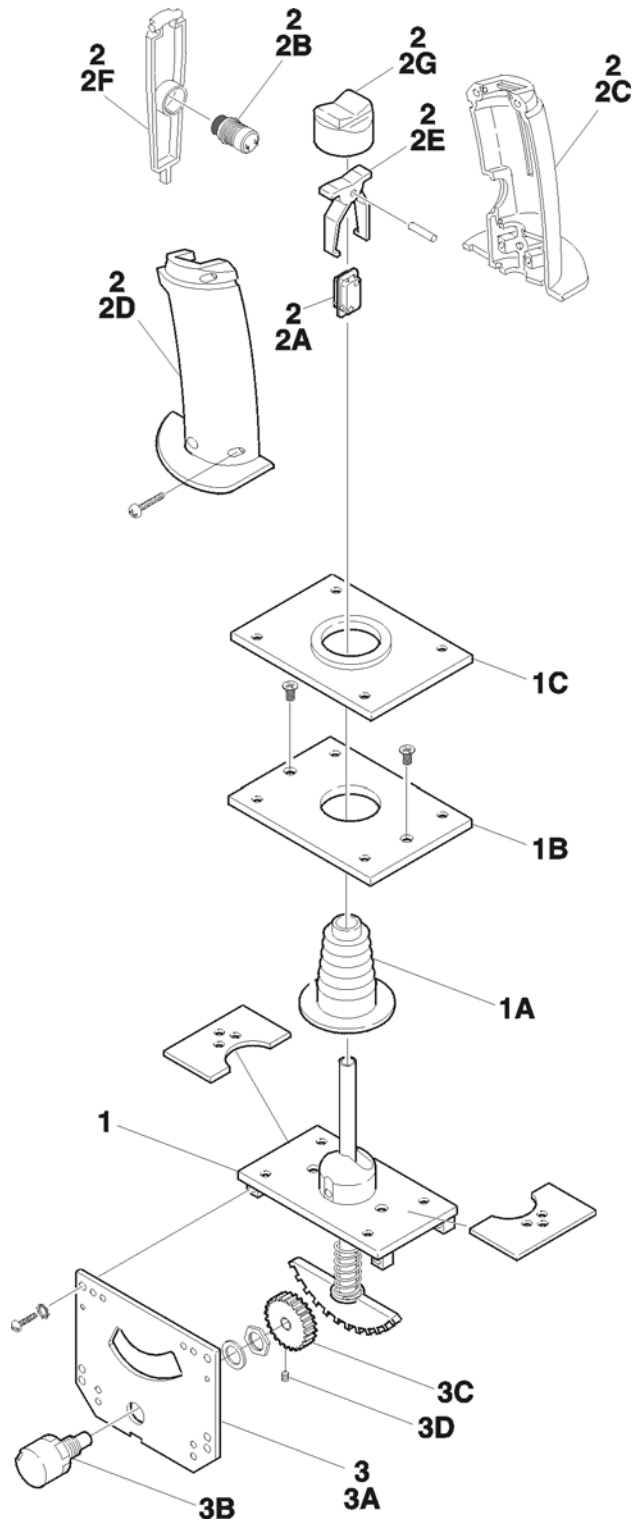
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FIGURE 4-10. CONTROLLER ASSEMBLY (STANDARD CONTROLS MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		CONTROLLER ASSEMBLIES		
	1600268	PRIOR TO S/N 59220 - Stamped ID # Ending with 1619	Ref.	A
	1600295	S/N 59220 TO PRESENT - Stamped ID # Ending with 1676	Ref.	C
	7011990	Mechanical Assembly (Prior to S/N 59220)	1	
	7020521	Mechanical Assembly (S/N 59220 to Present)	1	
1	Not Serviced	Handle Assembly	1	
1A	Use 7020520	Boot (was p/n 7003778)	1	
1B	7020502	Gasket	1	
1C		Holder, Magnet Options (Not Shown):	A/R	
	Not Required	Prior to S/N 59220	0	
	7020522	S/N 59220 to Present	1	
2	7011991	Grip Assembly	1	
2A	7020500	Switch, Rocker	2	
	7020505	Switch, Separator	1	
2B	7020501	Switch, Push Button - Red	1	
2C	Use 7020541	Grip - Right Half (was p/n 7011993 & p/n 7020531)	1	
2D	7011996	Pin, Grooved	1	
2E	Use 7020541	Grip - Left Half (was p/n 7011994 & p/n 7020532)	1	
2F	7003791	Actuator, Switch	1	
2G	7011997	Trigger	1	
2H	7011998	Screw	4	
2J	7003790	Cap, Rubber	1	
		Note: p/n 7020541 Includes Items 2C & 2E With a JLG Logo.	Ref.	
3		Electrical Assembly Options:	1	
	7011999	Prior to S/N 59220		
	7020523	S/N 59220 to Present		
	4460265	Connector, Receptacle - 9 Pin (Not Shown)	1	
	4460268	Socket (Not Shown)	9	
3A		Switch, Rocker Options:	A/R	
	Use 7016362	Prior to S/N 59220 (was p/n 7003714)	3	
	Not Available	S/N 59220 to Present	1	
4	Not Serviced	Plate Assembly	1	
5		Magnet Options (Not Shown):	A/R	
	Not Required	Prior to S/N 59220	0	
	7020524	S/N 59220 to Present	2	
6	7011987	Spring (Not Shown)	1	

SECTION 4 PLATFORM

FIGURE 4-11.CONTROLLER ASSEMBLY (PROPORTIONAL CONTROLS MACHINES)



SECTION 4 PLATFORM

FIGURE 4-11. CONTROLLER ASSEMBLY (PROPORTIONAL CONTROLS MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	1600282	CONTROLLER ASSEMBLY	Ref.	B
1	7020503	Handle/Housing Assembly	1	
1A	Use 7020520	Boot (was p/n 7003778)	1	
1B	7020504	Plate, Mounting	1	
1C	7020502	Gasket	1	
2	7011991	Grip Assembly	1	
2A	7011992	Switch Assembly	1	
2B	7020501	Switch, Push Button - Red	1	
2C	Use 7020541	Grip - Right Half (was p/n 7011993 & p/n 7020531)	1	
2D	Use 7020541	Grip - Left Half (was p/n 7011994 & p/n 7020532)	1	
		Note: p/n 7020541 Includes Items 2C & 2D With a JLG Logo.	Ref.	
2E	7003791	Actuator, Switch	1	
2F	7011997	Trigger	1	
2G	7003790	Cap, Rubber	1	
3	7020508	Electrical Assembly	1	
	4460265	Connector, Receptacle - 9 Pin (Not Shown)	1	
	4460268	Socket (Not Shown)	8	
	4460424	Plug, Male - 2 Position (Not Shown)	1	
3A	7020509	Plate, Mounting - Potentiometer	1	
3B	7020510	Potentiometer	1	
3C	7011940	Gear, Pinion	1	
3D	7020511	Setscrew #6-32 x 1/8"	1	

SECTION 4 PLATFORM

FIGURE 4-11. CONTROLLER ASSEMBLY (PROPORTIONAL CONTROLS MACHINES)
(CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

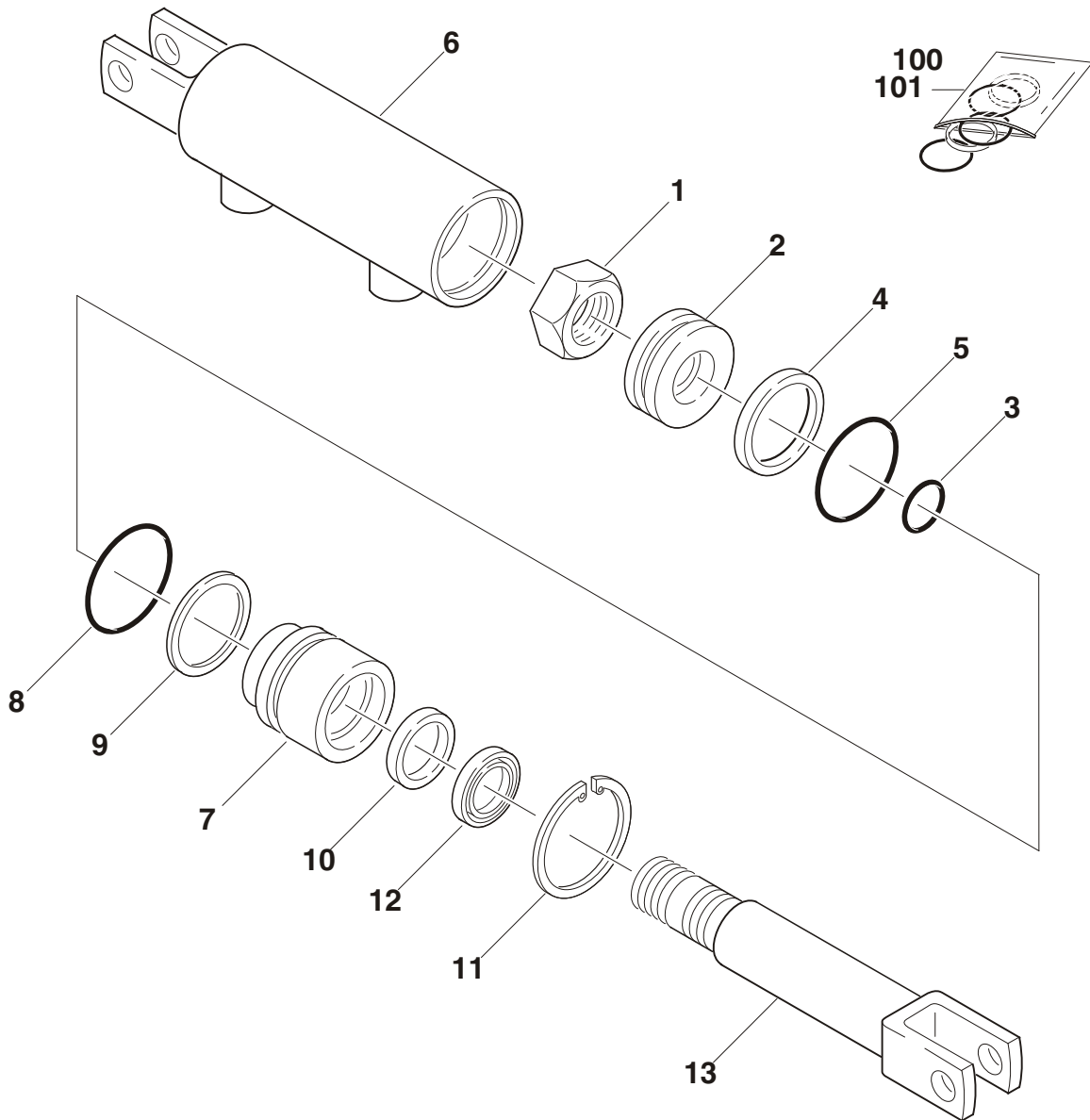
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FIGURE 5-1.BRAKE CYLINDER ASSEMBLY.



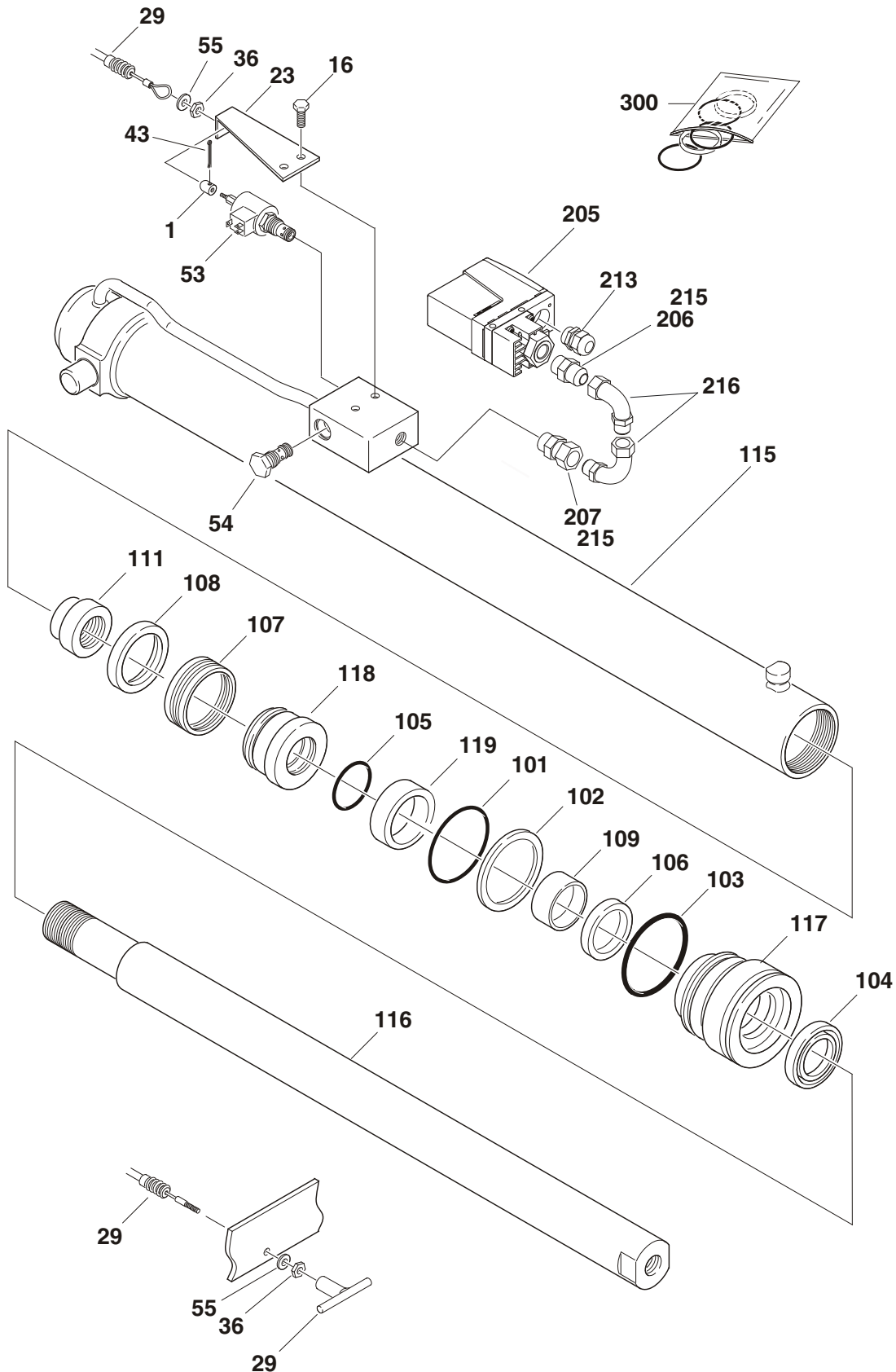
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FIGURE 5-1. BRAKE CYLINDER ASSEMBLY.

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		BRAKE CYLINDER ASSEMBLIES	Ref.	
	1683557	Prior to S/N 65498	Ref.	A
	1683833	S/N 65498 to Present	Ref.	A
		Note: Original Equipment components may have been replaced with Service Replacement component parts. Identify p/n stamped on cylinder before ordering parts.	Ref.	
1	7011609	Locknut	1	
2	7017220	Piston	1	
3	See Note	O-Ring (Note: See Items 100 & 101)	1	
4	See Note	Seal, Piston (Note: See Items 100 & 101)	1	
5	See Note	O-Ring (Note: See Items 100 & 101)	1	
6	Not Serviced	Barrel	1	
7	7017221	Guide	1	
8	See Note	O-Ring (Note: See Items 100 & 101)	1	
9	See Note	Ring, Back-up (Note: See Items 100 & 101)	1	
10	See Note	Seal (Note: See Items 100 & 101)	1	
11		Ring, Retaining Options:	1	
	Use Item 100	1683557 Cylinder		
	7017264	1683833 Cylinder		
12	See Note	Wiper (Note: See Items 100 & 101)	1	
13	7017222	Rod	1	
		KIT OPTIONS:	Ref.	
		Seal Kit (Includes Items 3-5 and 8-12)	1	
100	7017223	1683557 Cylinder		
101	7017262	1683833 Cylinder		

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FIGURE 5-2.LIFT CYLINDER COMPONENTS ASSEMBLY (1532E2 & 1932E2).



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FIGURE 5-2. LIFT CYLINDER COMPONENTS ASSEMBLY (1532E2 & 1932E2).

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0270502	MANUAL DESCENT COMPONENTS (1532E2)	Ref.	F
	0258014	MANUAL DESCENT COMPONENTS (1932E2)	Ref.	M
1	0080228	Adapter, Cable	1	
2 to 15	Not Used			
16	0641506	Bolt 5/16"-18 NC x 3/4"	2	
17 to 22	Not Used			
23	0902371	Bracket, Cable Mounting	1	
24 to 28	Not Used			
29	1060644	Cable, Manual Descent	1	
30 to 35	Not Used			
36	3321402	Nut, Jam 1/4"-20NC	4	
37 to 42	Not Used			
43	3450405	Pin, Cotter 1/8" x 1/4"	1	
44 to 52	Not Used			
53	4641001	Cartridge, Solenoid Valve	1	
	7017445	Cartridge	1	
	7012967	Seal Kit - 7017445 Cartridge	1	
	7017444	Coil	1	
54		Cartridge, Restrictor/Check Options:	1	
	4641002	Prior to S/N 50496		
	4641014	S/N 50496 to Present		
	7012953	Seal Kit - 4641002 & 4641014 Valve	1	
55	4711400	Flatwasher 1/4" Narrow	2	
	1683603	LIFT CYLINDER ASSEMBLY - 1532E2 & 1932E2	Ref.	C
101	Use Item 300	O-Ring	1	
102	Use Item 300	Ring, Back-up	1	
103	Use Item 300	O-Ring	1	
104	Use Item 300	Wiper	1	
105	Use Item 300	O-Ring	1	
106	Use Item 300	Seal	1	
107	Use Item 300	Seal	1	
108	Use Item 300	Ring, Guidelock	1	
109	Use Item 300	Ring, Wear	1	
110	Not Used			
111	7017367	Locknut	1	
112 to 114	Not Used			
115	7019832	Barrel Weldment	1	
116	7019831	Rod Weldment	1	
117	7017382	Head	1	
118	7017399	Piston (Note: Prior to S/N 65873 piston is ductile iron. After S/N 65873 piston is aluminum. Aluminum piston is directly interchangeable with iron piston. Replacement piston will be aluminum.)	1	
119	7017380	Spacer	1	

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FIGURE 5-2. LIFT CYLINDER COMPONENTS ASSEMBLY (1532E2 & 1932E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		OVERLOAD PRESSURE SWITCH INSTALLATION (JAPANESE SPEC ONLY)	Ref.	
	0258733	1532E2 & 1932E2	Ref.	E
201 to 204	Not Used			
205	4360494	Switch, Pressure	1	
206	2220440	Fitting, Straight	1	
207	2221020	Fitting, Straight	1	
208 to 212	Not Used			
213	4460428	Connector, Strain Relief	1	
214	Not Used			
215	0100020	Pipe Sealant #567	A/R	
216	2220462	Fitting, 90°	2	
217 to 218	Not Used			
		KIT OPTIONS:	Ref.	
300	7019830	Seal Kit - 1683603 Cylinder (Includes Items 101-109)	1	

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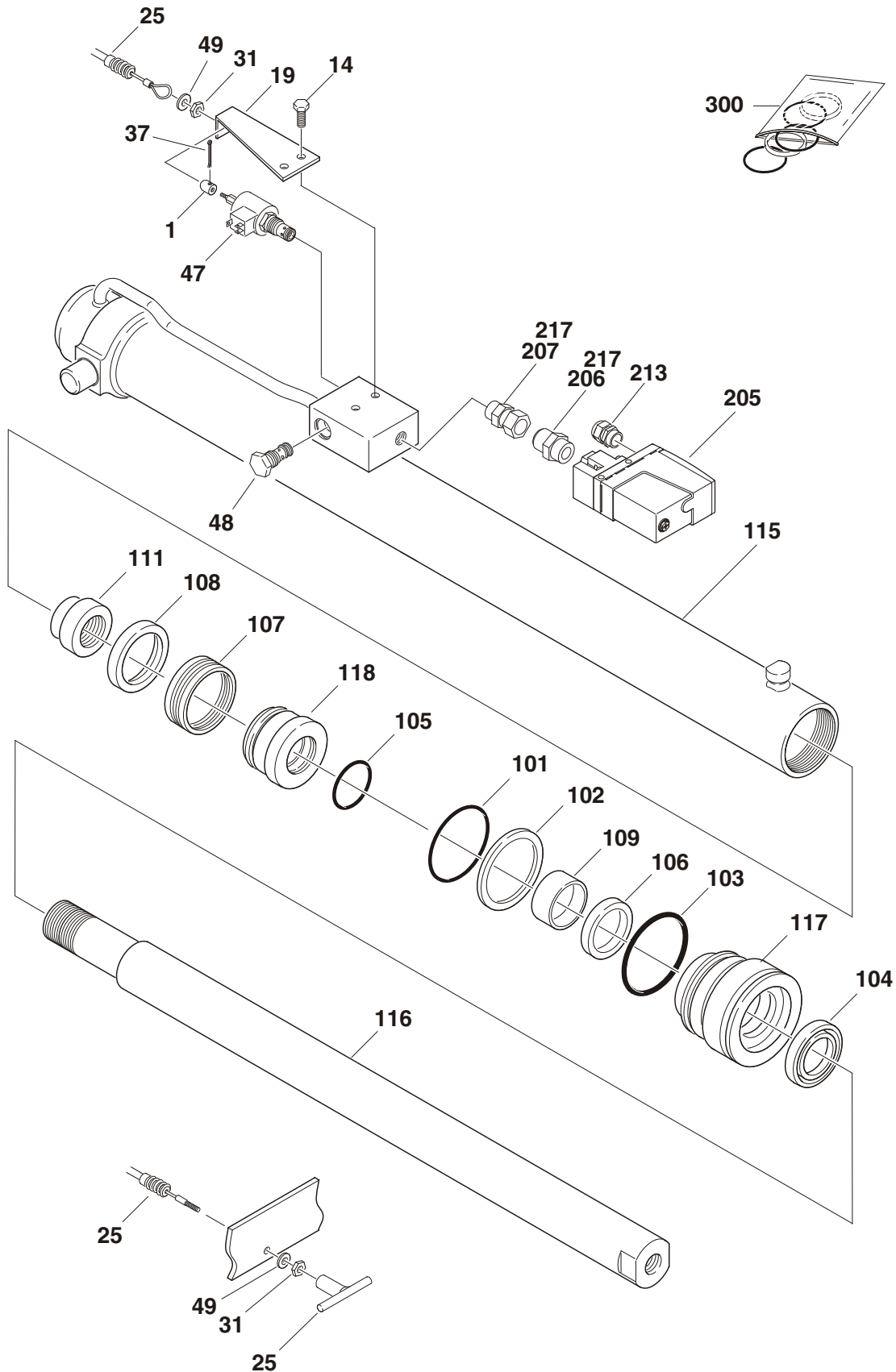
FIGURE 5-2. LIFT CYLINDER COMPONENTS ASSEMBLY (1532E2 & 1932E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 5-3.LIFT CYLINDER COMPONENTS ASSEMBLY (2032E2).



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FIGURE 5-3. LIFT CYLINDER COMPONENTS ASSEMBLY (2032E2).

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0257528	MANUAL DESCENT CYLINDER COMPONENTS	Ref.	M
1	0080228	Adapter, Cable	1	
2 to 13	Not Used			
14	0641506	Bolt 5/16-18NC x 3/4"	2	
15 to 18	Not Used			
19	0902371	Bracket, Cable Mounting	1	
20 to 24	Not Used			
25	1060659	Cable, Manual Descent	1	
26 to 30	Not Used			
31	3321402	Nut, Jam 1/4"-20NC	4	
32 to 36	Not Used			
37	3450405	Pin, Cotter 1/8" x 1/4"	1	
38 to 46	Not Used			
47	4641001	Cartridge, Solenoid Valve	1	
	7017445	Cartridge	1	
	7012967	Seal Kit - 7017445 Cartridge	1	
	7017444	Coil	1	
48	4641002	Cartridge, Restrictor/Check	1	
	7012953	Seal Kit - 4641002 Valve	1	
49	4711400	Flatwasher 1/4" Narrow	2	
	1683561	LIFT CYLINDER ASSEMBLY - 2032E2	Ref.	C
101	Use Item 300	O-Ring	1	
102	Use Item 300	Ring, Back-up	1	
103	Use Item 300	O-Ring	1	
104	Use Item 300	Wiper	1	
105	Use Item 300	O-Ring	1	
106	Use Item 300	Seal	1	
107	Use Item 300	Seal	1	
108	Use Item 300	Ring, Guidelock	1	
109	Use Item 300	Ring, Wear	1	
110	Not Used			
111	7003212	Locknut	1	
112 to 114	Not Used			
115	7019823	Barrel Weldment	1	
116	7019822	Rod Weldment	1	
117	7017376	Head	1	
118	7019810	Piston (Note: Prior to S/N 65873 piston is ductile iron. After S/N 65873 piston is aluminum. Aluminum piston is directly interchangeable with iron piston. Replacement piston will be aluminum.)	1	

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FIGURE 5-3. LIFT CYLINDER COMPONENTS ASSEMBLY (2032E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		OVERLOAD PRESSURE SWITCH INSTALLATION (JAPANESE SPEC ONLY)	Ref.	
	0257976	2032E2	Ref.	G
201 to 204	Not Used			
205	4360494	Switch, Pressure	1	
206	2220440	Fitting, Straight	1	
207	2221020	Fitting, Straight	1	
208 to 212	Not Used			
213	4460428	Connector, Strain Relief	1	
214 to 216	Not Used			
217	0100020	Pipe Sealant #567	A/R	
218	Not Used			
		KIT OPTIONS:	Ref.	
300	7019808	Seal Kit - 1683561 Cylinder (Includes Items 101-109)	1	

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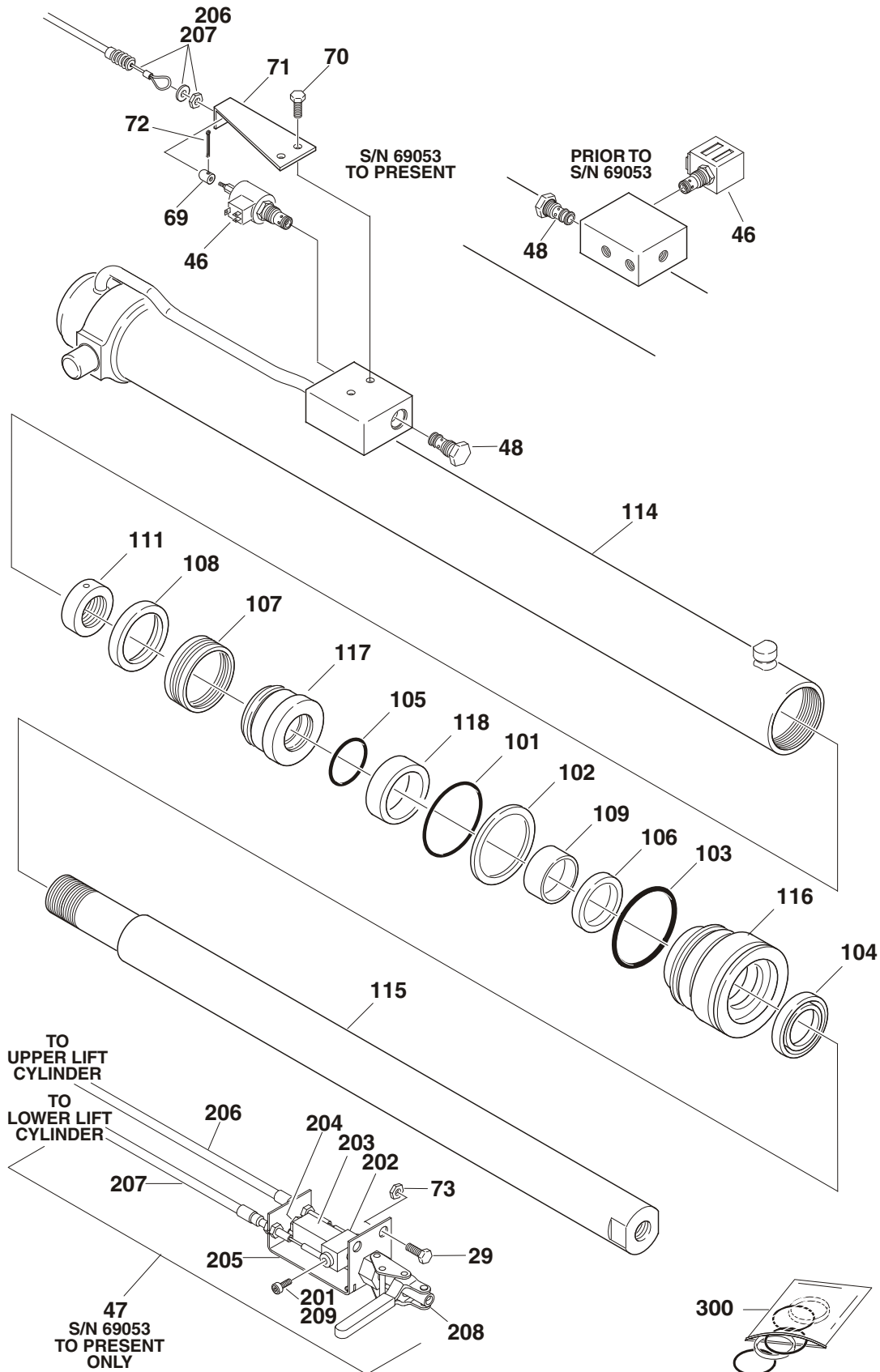
FIGURE 5-3. LIFT CYLINDER COMPONENTS ASSEMBLY (2032E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 5-4. LIFT CYLINDER COMPONENTS ASSEMBLY (2632E2 & 2646E2).



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FIGURE 5-4. LIFT CYLINDER COMPONENTS ASSEMBLY (2632E2 & 2646E2).

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
	0257666	MANUAL DESCENT CYLINDER COMPONENTS	Ref.	S
1 to 28	Not Used			
29	0641608	Bolt 3/8"-16NC x 1" (S/N 69053 to Present Only)	2	
30 to 45	Not Used			
46		Valve, Solenoid Options (1 Per Cylinder)	2	
	4641049	Valve, Solenoid (Prior to S/N 69053)		
	2900708	Seal Kit - 4641049 (Hydraforce Version of Valve)	2	
	Not Available	Seal Kit - 4641049 (Vickers Version of Valve)	2	
	7017444	Coil (Hydraforce Version of Valve)	2	
	Not Available	Coil (Vickers Version of Valve)	2	
	4641001	Valve, Solenoid (S/N 69053 to Present)		
	7017445	Cartridge	1	
	7012967	Seal Kit - 7017445 Cartridge	1	
	7017444	Coil	1	
47		Manual Descent Cable Assembly	A/R	
	Not Required	Prior to S/N 69053	0	
	0259541	S/N 69053 to Present (See Items 201-209 for Breakdown)	1	
48		Valve, Relief (1 Per Cylinder)	2	
	4641030	Valve, Relief (Prior to S/N 69053)		
	2900792	Seal Kit - 4641030 Valve	2	
	4641118	Valve, Relief (S/N 69053 to Present)		
	7012998	Seal Kit - 4641118	2	
49 to 68	Not Used			
69	0080228	Adapter, Cable (S/N 69053 to Present Only)	2	
70	0641506	Bolt 5/16"-18NC x 3/4" (S/N 69053 to Present Only)	4	
71	0902371	Bracket (S/N 69053 to Present Only)	2	
72	3450405	Pin, Cotter 1/8" x 1 1/4" (S/N 69053 to Present Only)	2	
73	3311605	Locknut 3/8"-16NC (S/N 69053 to Present Only)	2	
		LIFT CYLINDER ASSEMBLY - 2632E2 & 2646E2	Ref.	
	1683882	2632E2	Ref.	A
	1683562	2646E2 (Prior to S/N 69053)	Ref.	C
	1683882	2646E2 (S/N 69053 to Present)	Ref.	A
101	Use Item 300	O-Ring	1	
102	Use Item 300	Ring, Back-up	1	
103	Use Item 300	O-Ring	1	
104	Use Item 300	Wiper	1	
105	Use Item 300	O-Ring	1	
106	Use Item 300	Seal	1	
107	Use Item 300	Seal	1	
108	Use Item 300	Ring, Guidelock	1	
109	Use Item 300	Ring, Wear	1	
110	Not Used			
111	7017367	Locknut	1	
112 to 113	Not Used			

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FIGURE 5-4. LIFT CYLINDER COMPONENTS ASSEMBLY (2632E2 & 2646E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
114		Barrel Weldment Options:	1	
	7019820	1683562 Cylinder		
	7019875	1683882 Cylinder		
115	7019819	Rod Weldment	1	
116	7017382	Head	1	
117	7017399	Piston (Note: Prior to S/N 65873 piston is ductile iron. After S/N 65873 piston is aluminum. Aluminum piston is directly interchangeable with iron piston. Replacement piston will be aluminum.)	1	
118	7019818	Spacer	1	
	7019830	Seal Kit (Includes Items 101-109)	1	
	0259541	MANUAL DESCENT CABLE ASSEMBLY (S/N 69053 TO PRESENT ONLY)	Ref.	B
201	0100011	Loctite #242	A/R	
202	0561373	Block, Cable Attach	1	
203	0561374	Block, Spacer	1	
204	0641526	Bolt 5/16"-18NC x 3 1/4"	1	
205	0902573	Bracket, Cable	1	
206	1060765	Cable Assembly - Upper Lift Cylinder (Includes Attaching Hardware)	1	
207	1060766	Cable Assembly - Lower Lift Cylinder (Includes Attaching Hardware)	1	
208	2560150	Handle Assembly	1	
209	3900248	Screw, Shoulder #10-24NC x 1/4"	2	
		KIT OPTIONS:	Ref.	
300	7019830	Seal Kit (Includes Items 101-109)	1	

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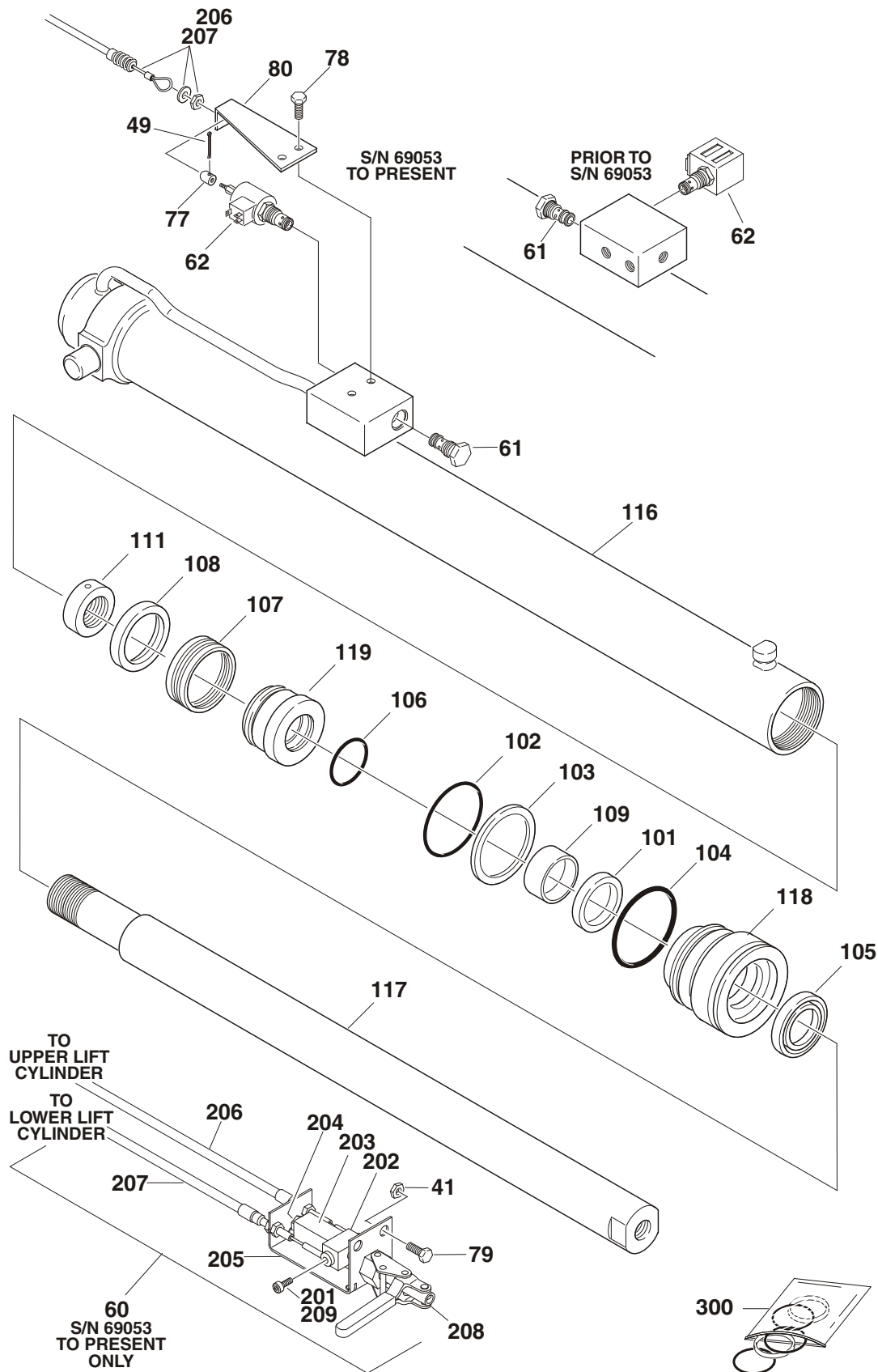
FIGURE 5-4. LIFT CYLINDER COMPONENTS ASSEMBLY (2632E2 & 2646E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 5-5.LIFT CYLINDER COMPONENTS ASSEMBLY (3246E2).



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FIGURE 5-5. LIFT CYLINDER COMPONENTS ASSEMBLY (3246E2).

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		MANUAL DESCENT CYLINDER COMPONENTS	Ref.	
	0258889	Standard Controls Machines	Ref.	L
	0259408	Proportional Controls Machines	Ref.	H
1 to 40	Not Used			
41	3311605	Locknut 3/8"-16NC (S/N 69053 to Present Only)	12	
42 to 48	Not Used			
49	3450405	Pin, Cotter 1/8" x 1 1/4" (S/N 69053 to Present Only)	2	
50 to 59	Not Used			
60		Manual Descent Cable Assembly	A/R	
	Not Required	Prior to S/N 69053	0	
	0259541	S/N 69053 to Present (See Items 201-209 for Breakdown)	1	
61		Valve, Relief (1 Per Cylinder)	2	
	4641030	Valve, Relief (Prior to S/N 69053)		
	2900792	Seal Kit - 4641030 Valve	2	
	4641118	Valve, Relief (S/N 69053 to Present)		
	7012998	Seal Kit - 4641118	2	
62		Valve, Solenoid Options (1 Per Cylinder)	2	
	4641049	Valve, Solenoid (Prior to S/N 69053)		
	2900708	Seal Kit - 4641049 (Hydraforce Version of Valve)	2	
	Not Available	Seal Kit - 4641049 (Vickers Version of Valve)	2	
	7017444	Coil (Hydraforce Version of Valve)	2	
	Not Available	Coil (Vickers Version of Valve)	2	
	4641001	Valve, Solenoid (S/N 69053 to Present)		
	7017445	Cartridge	1	
	7012967	Seal Kit - 7017445 Cartridge	1	
	7017444	Coil	1	
63 to 76	Not Used			
77	0080228	Adapter, Cable (S/N 69053 to Present Only)	2	
78	0641506	Bolt 5/16"-18NC x 3/4" (S/N 69053 to Present Only)	4	
79	0641608	Bolt 3/8"-16NC x 1" (S/N 69053 to Present Only)	2	
80	0902371	Bracket (S/N 69053 to Present Only)	2	
		LIFT CYLINDER ASSEMBLY - 3246E2	Ref.	
	1683771	Prior to S/N 69053	Ref.	C
	1683883	S/N 69053 to Present	Ref.	A
101	Use Item 300	Seal	1	
102	Use Item 300	O-Ring	1	
103	Use Item 300	Ring, Back-up	1	
104	Use Item 300	O-Ring	1	
105	Use Item 300	Wiper	1	
106	Use Item 300	O-Ring	1	
107	Use Item 300	Seal	1	
108	Use Item 300	Ring, Guidelock	1	
109	Use Item 300	Ring, Wear	1	
110	Not Used			

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FIGURE 5-5. LIFT CYLINDER COMPONENTS ASSEMBLY (3246E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
111	7003212	Locknut	1	
112 to 115	Not Used			
116		Barrel Weldment Options:	1	
	7019858	1683771 Cylinder		
	7019877	1683883 Cylinder		
117	7019855	Rod Weldment	1	
118	7017376	Head	1	
119	7019810	Piston (Note: Prior to S/N 65873 piston is ductile iron. After S/N 65873 piston is aluminum. Aluminum piston is directly interchangeable with iron piston. Replacement piston will be aluminum.)	1	
	0259541	MANUAL DESCENT CABLE ASSEMBLY (S/N 69053 TO PRESENT ONLY)	Ref.	B
201	0100011	Loctite #242	A/R	
202	0561373	Block, Cable Attach	1	
203	0561374	Block, Spacer	1	
204	0641526	Bolt 5/16"-18NC x 3 1/4"	1	
205	0902573	Bracket, Cable	1	
206	1060765	Cable Assembly - Upper Lift Cylinder (Includes Attaching Hardware)	1	
207	1060766	Cable Assembly - Lower Lift Cylinder (Includes Attaching Hardware)	1	
208	2560150	Handle Assembly	1	
209	3900248	Screw, Shoulder #10-24NC x 1/4"	2	
		KIT OPTIONS:	Ref.	
300	7019876	Seal Kit (Includes Items 101-109)	1	

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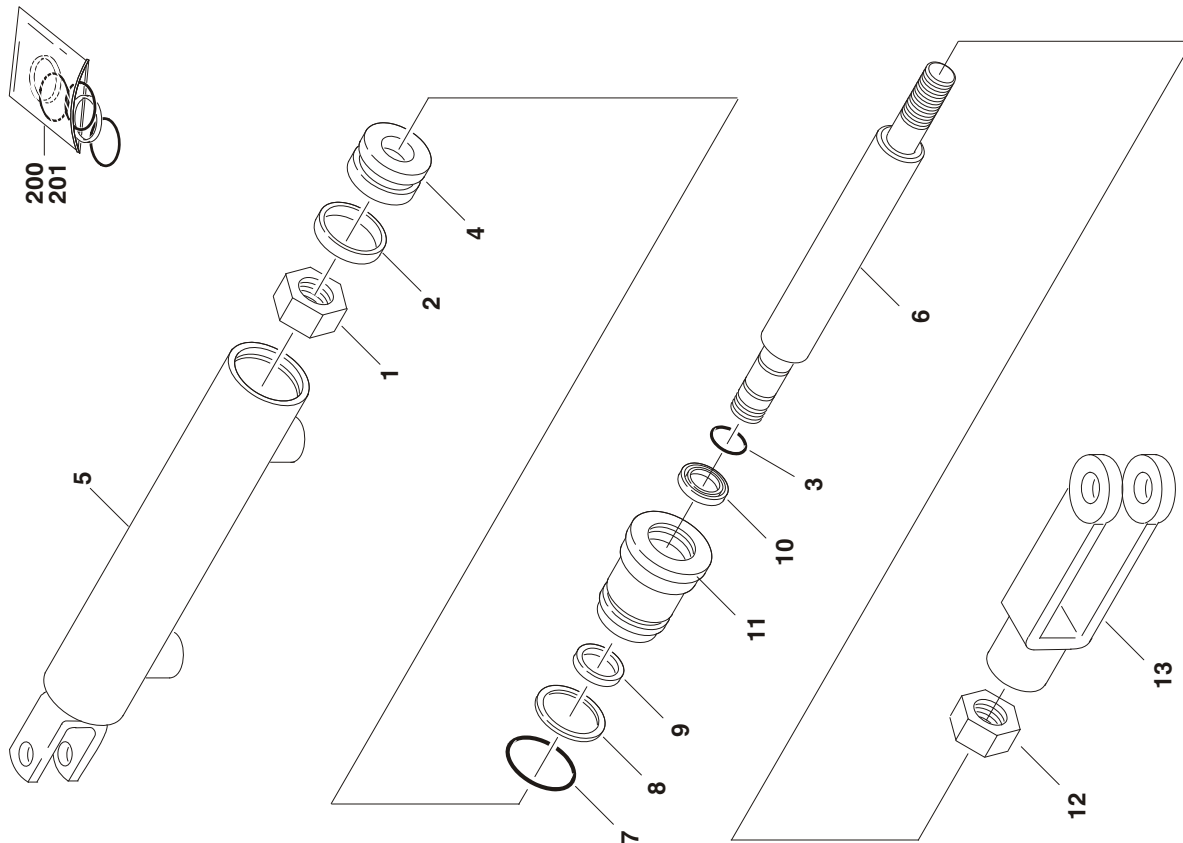
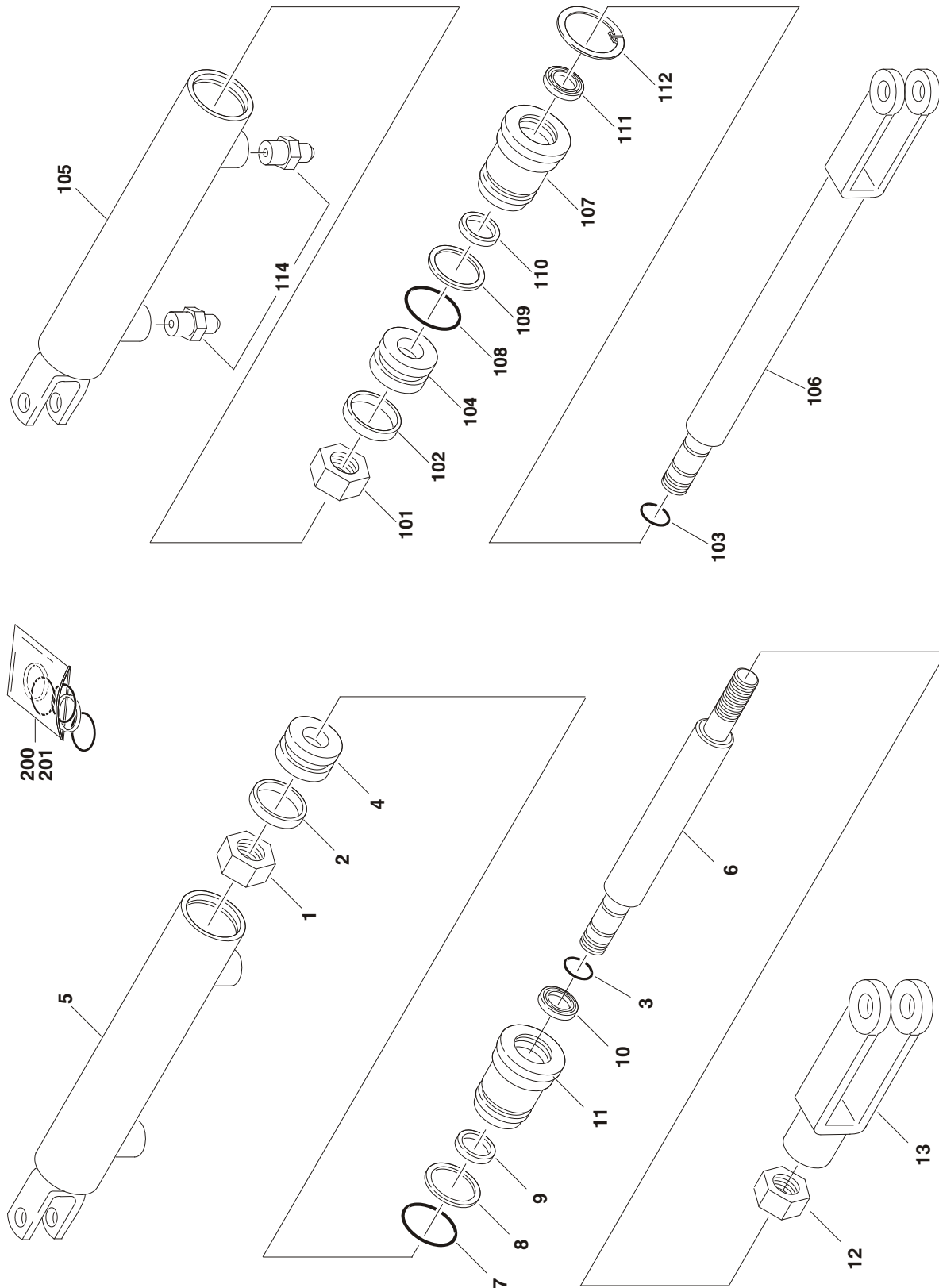
FIGURE 5-5. LIFT CYLINDER COMPONENTS ASSEMBLY (3246E2). (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 5-6. STEER CYLINDER ASSEMBLY



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FIGURE 5-6. STEER CYLINDER ASSEMBLY

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		STEER CYLINDER ASSEMBLY OPTIONS:	Ref.	
	1683661	1532E2 & 1932E2 (Prior to S/N 67287)	Ref.	A
	1683552	2032E2, 2632E2, 2646E2 & 3246E2 (Prior to S/N 66990)	Ref.	A
		Note: Original Equipment components may have been replaced with Service Replacement component parts. Identify p/n stamped on cylinder before ordering parts.	Ref.	
1	7017226	Locknut	1	
2	Use Item 200	Seal, Piston	1	
3	Use Item 200	O-Ring	1	
4	7016708	Piston	1	
5	Not Serviced	Barrel	1	
6		Rod Options:	1	
	7017237	1532E2 & 1932E2 (Prior to S/N 67287)		
	7017224	2032E2, 2632E2, 2646E2 & 3246E2 (Prior to S/N 66990)		
7	Use Item 200	O-Ring	1	
8	Use Item 200	Ring, Back-up	1	
9	Use Item 200	Seal	1	
10	Use Item 200	Wiper	1	
11	7017207	Guide	1	
12		Nut, Jam Options:	1	
	7017238	1532E2 & 1932E2 (Prior to S/N 67287)		
	Not Required	2032E2, 2632E2, 2646E2 & 3246E2 (Prior to S/N 66990)		
13		Yoke Options:	1	
	7017239	1532E2 & 1932E2 (Prior to S/N 67287)		
	Not Required	2032E2, 2632E2, 2646E2 & 3246E2 (Prior to S/N 66990)		
	1683832	1532E2 & 1932E2 (S/N 67287 to S/N 108168)	Ref.	A
	1684225	1532E2 & 1932E2 (S/N 108168 to Present)	Ref.	B
	1683831	2032E2, 2632E2, 2646E2 & 3246E2 (S/N 66990 to S/N 104717)	Ref.	A
	1684224	2032E2, 2632E2, 2646E2 & 3246E2 (S/N 104717 to Present)	Ref.	B
		Note: Original Equipment components may have been replaced with Service Replacement component parts. Identify p/n stamped on cylinder before ordering parts.	Ref.	
101	7017226	Locknut	1	
102	Use Item 201	Seal, Piston	1	
103	Use Item 201	O-Ring	1	
104	7016708	Piston	1	
105	Not Serviced	Barrel	1	

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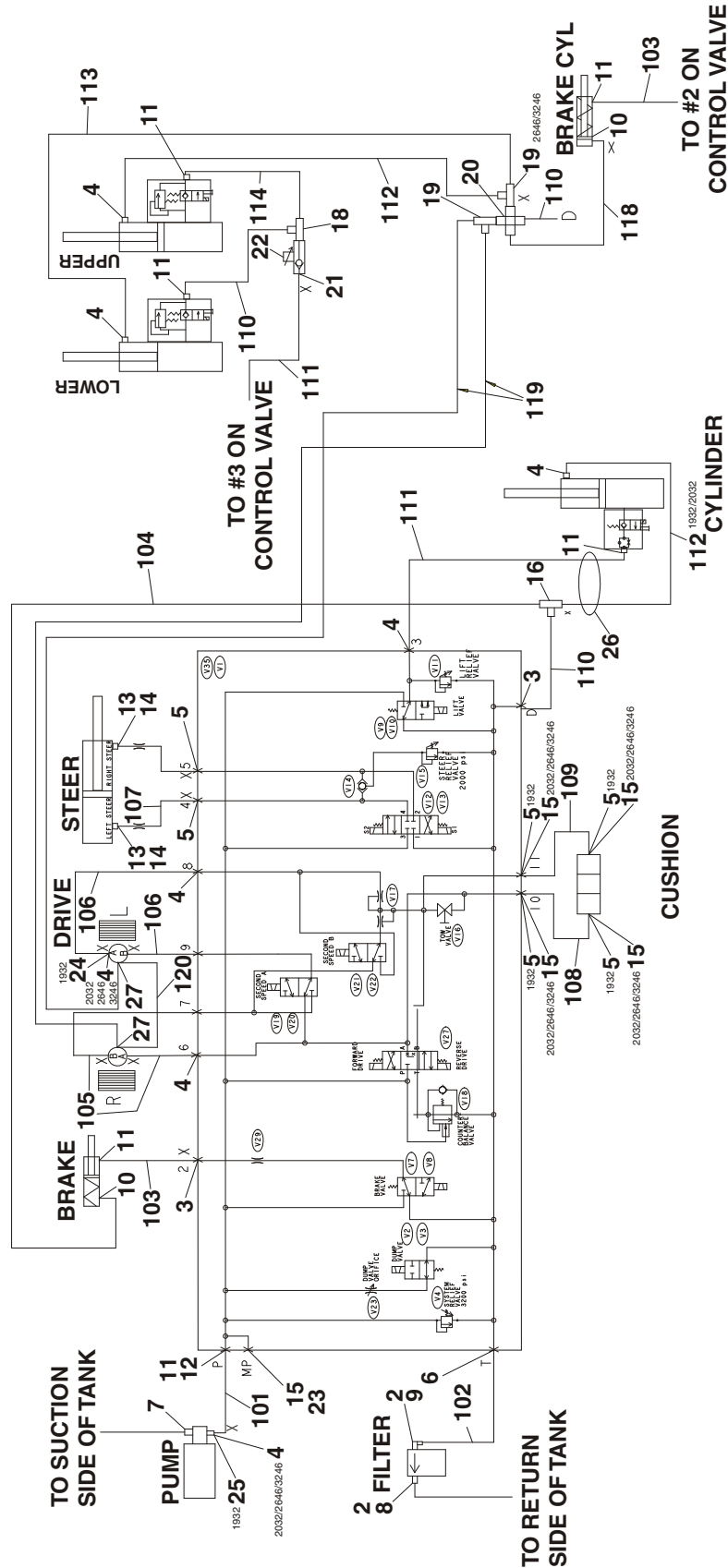
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
106		Rod Options:	1	
	7017240	1532E2 & 1932E2 (S/N 67287 to Present) (Includes Welded on Yoke)		
	7017267	2032E2, 2632E2 & 2646E2 & 3246E2 (S/N 66990 to Present)		
107	7017268	Guide	1	
108	Use Item 201	O-Ring	1	
109	Use Item 201	Ring, Back-Up	1	
110	Use Item 201	Seal	1	
111	Use Item 201	Wiper	1	
112	Use Item 201	Ring, Retainer	1	
113	Not Used		1	
114		Fitting, Straight Options:	2	
	Not Required	1532E2 & 1932E2 (S/N 104717 to S/N 108168)		
	2220582	1532E2 & 1932E2 (S/N 108168 to Present)		
	2220582	2032E2, 2632E2 & 2646E2 & 3246E2 (S/N 104717 to Present)		
		KIT OPTIONS:	Ref.	
200	7017227	Seal Kit (Includes Items 2-3 & 7-10)	1	
201	7017265	Seal Kit (Includes Items 102-103 & 108-112)	1	

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FIGURE 6-1.HYDRAULIC DIAGRAM - 1532E2 &1932E2 & 2032E2



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FIGURE 6-1. HYDRAULIC DIAGRAM - 1532E2 & 1932E2 & 2032E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC DIAGRAMS - 1932E2 & 2032E2	Ref.	
		1532E2 & 1932E2 Options:	Ref.	
	0258278	Prior to S/N 90870	Ref.	6
	0271223	S/N 90870 to Present	Ref.	
		2032E2 Options:	Ref.	
	0257955	Prior to S/N 88558	Ref.	8
	0271068	S/N 88558 to Present	Ref.	2
1	Not Used			
2	0100010	Sealant, Pipe	A/R	
3	2220603	Fitting, Straight	2	
4	2220371	Fitting, Straight	6	
5	2220415	Fitting, Straight	4	
6	2220500	Fitting, 45°	1	
7	2220593	Fitting, Straight	1	
8	2220347	Fitting, Straight	1	
9	2220470	Fitting, Straight (2032E2)	1	
	2220346	Fitting, Straight (1532E2 & 1932E2)		
10	2220775	Fitting, 90°	1	
11	2220473	Fitting, 90°	3	
12	Not Used			
13	Not Used			
14	Use 2220582	Fitting, Straight (Was P/N 2220417) (Prior to S/N 104717)	2	
15	2220466	Fitting, 90°	1	
16	2220635	Fitting, Tee	1	
17 to 22	Not Used			
23	2220515	Fitting, Cap	1	
24	2220371	Fitting, Straight (2032E2)	4	
	2221000	Fitting, 90° (1532E2 & 1932E2)	4	
25	2220371	Fitting, Straight (2032E2)	1	
	2220473	Fitting, 90° (1532E2 & 1932E2)	1	
26	2820025	Guard, Plastic Spring	1ft/.3m	
27	2220466	Fitting, 90° (2032E2)	2	
	2220415	Fitting, Straight (1532E2 & 1932E2)	2	
28	2220414	Fitting, Straight (2032E2) (S/N 86447 to Present)	2	
	Not Required	(1532E2 & 1932E2)	0	
	2901668	HOSE KIT - 1532E2 & 1932E2	Ref.	9
	2901559	HOSE KIT - 2032E2	Ref.	4
101	2752478	Hose (1532E2 & 1932E2)	1	
	2750989	Hose (2032E2)	1	
102	2752519	Hose (1532E2 & 1932E2) (Prior to S/N 62017)	1	
	2752940	Hose (2032E2)	1	
103	2752463	Hose (1532E2 & 1932E2) (Prior to S/N 111179)	1	
	2753065	Hose (2032E2)	1	

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FIGURE 6-1. HYDRAULIC DIAGRAM - 1532E2 & 1932E2 & 2032E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
104	2753066	Hose (Early Machines When Equipped)	A/R	
105		Hose Options:	2	
	2753120	1532E2 & 1932E2 (Prior to S/N 86447)		
	2752488	1532E2 & 1932E2 (S/N 86447 to Present)		
	2752643	2032E2		
106		Hose Options:	2	
	2753120	1532E2 & 1932E2 (Prior to S/N 86447)		
	2752488	1532E2 & 1932E2 (S/N 86447 to Present)		
	2753067	2032E2		
107	2752594	Hose (1532E2 & 1932E2)	2	
	2752992	Hose (2032E2)	2	
108	2752433	Hose (1532E2 & 1932E2)	1	
	2752444	Hose (2032E2)	1	
109	2752453	Hose (1532E2 & 1932E2)	1	
	2752981	Hose (2032E2)	1	
110	2752472	Hose (1532E2 & 1932E2)	2	
	2753071	Hose (2032E2)	1	
111	2753085	Hose (1532E2 & 1932E2)	1	
	2752475	Hose (2032E2)	1	
112	2753121	Hose (1532E2 & 1932E2)	1	
	2752487	Hose (2032E2)	1	
113 to 119	Not Required			
120	Not Required	Hose (1532E2 & 1932E2)		
	2752588	Hose (2032E2) (Prior to S/N 40415 Only)	1	

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FIGURE 6-1. HYDRAULIC DIAGRAM - 1532E2 &1932E2 & 2032E2 (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

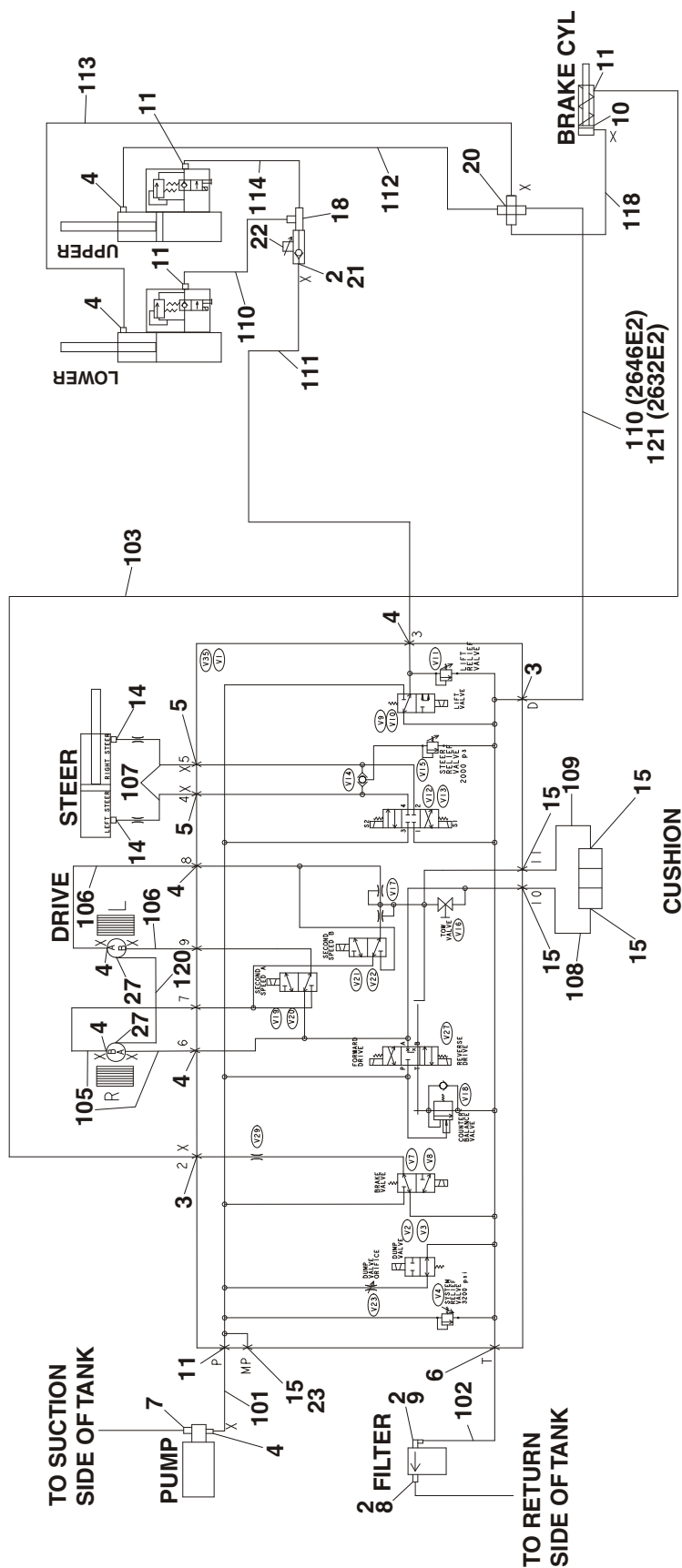
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FIGURE 6-2.HYDRAULIC DIAGRAM - 2646E2



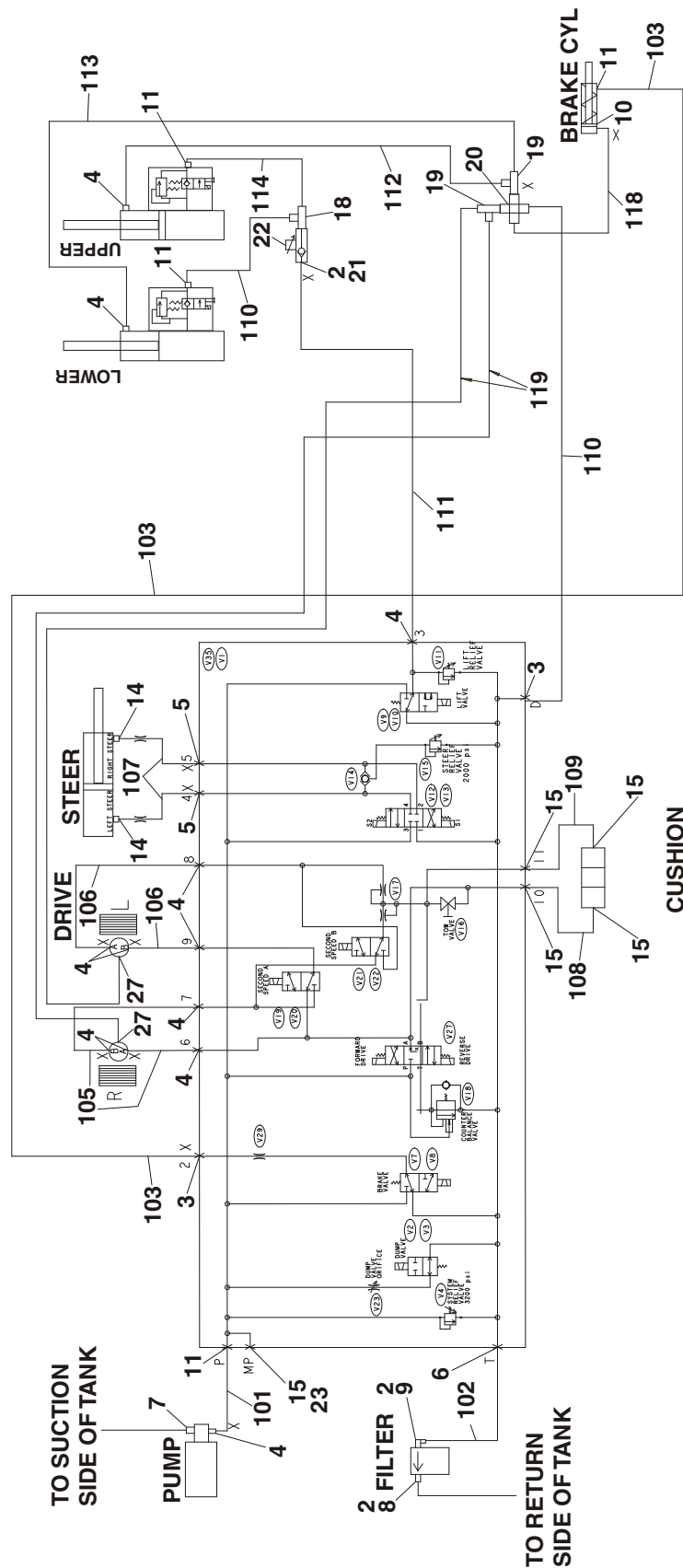
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FIGURE 6-2. HYDRAULIC DIAGRAM - 2646E2

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC DIAGRAMS OPTIONS:	Ref.	
	0259551	2646E2 PRIOR TO S/N 88558	Ref.	3
	0271069	2646E2 S/N 88558 TO PRESENT	Ref.	3
1	Not Used			
2	0100020	Sealant, Pipe	A/R	
3	2220603	Fitting, Straight	2	
4	2220371	Fitting, Straight	12	
5	2220415	Fitting, Straight	4	
6	2220500	Fitting, 45°	1	
7	2220593	Fitting, Straight	1	
8	2220347	Fitting, Straight	1	
9	2220470	Fitting, Straight	1	
10	2220775	Fitting, 90°	1	
11	2220473	Fitting, 90°	4	
12 to 13	Not Used			
14	Use 2220582	Fitting, Straight (Was P/N 2220417) (Prior to S/N 104717)	2	
15	2220466	Fitting, 90°	3	
16 to 17	Not Used			
18	2220608	Fitting, Tee	1	
19	Not Used			
20	2220827	Fitting, Cross	1	
21	2220343	Fitting, Straight	1	
22	4640216	Valve, Color Flow Control	1	
23	2220515	Fitting, Cap	1	
24 to 26	Not Used			
27	2220414	Fitting, Straight (S/N 86447 to Present)	2	
	2901868	HOSE KIT	Ref.	3
101	2750989	Hose	1	
102	2752940	Hose	1	
103	2753058	Hose	1	
104	Not Used			
105	2753057	Hose	2	
106	2752643	Hose	2	
107	2752992	Hose	2	
108	2752444	Hose	1	
109	2752981	Hose	1	
110	2753060	Hose	2	
111	2753059	Hose	1	
112	2753062	Hose	1	
113	2753063	Hose	1	
114	2753061	Hose	1	
115 to 117	Not Used			
118	2753064	Hose	1	
119	Not Used			
120	2752593	Hose (2646E2) (Prior to S/N 90870 Only)	1	

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FIGURE 6-3.HYDRAULIC DIAGRAM - 3246E2 WITH STANDARD CONTROLS



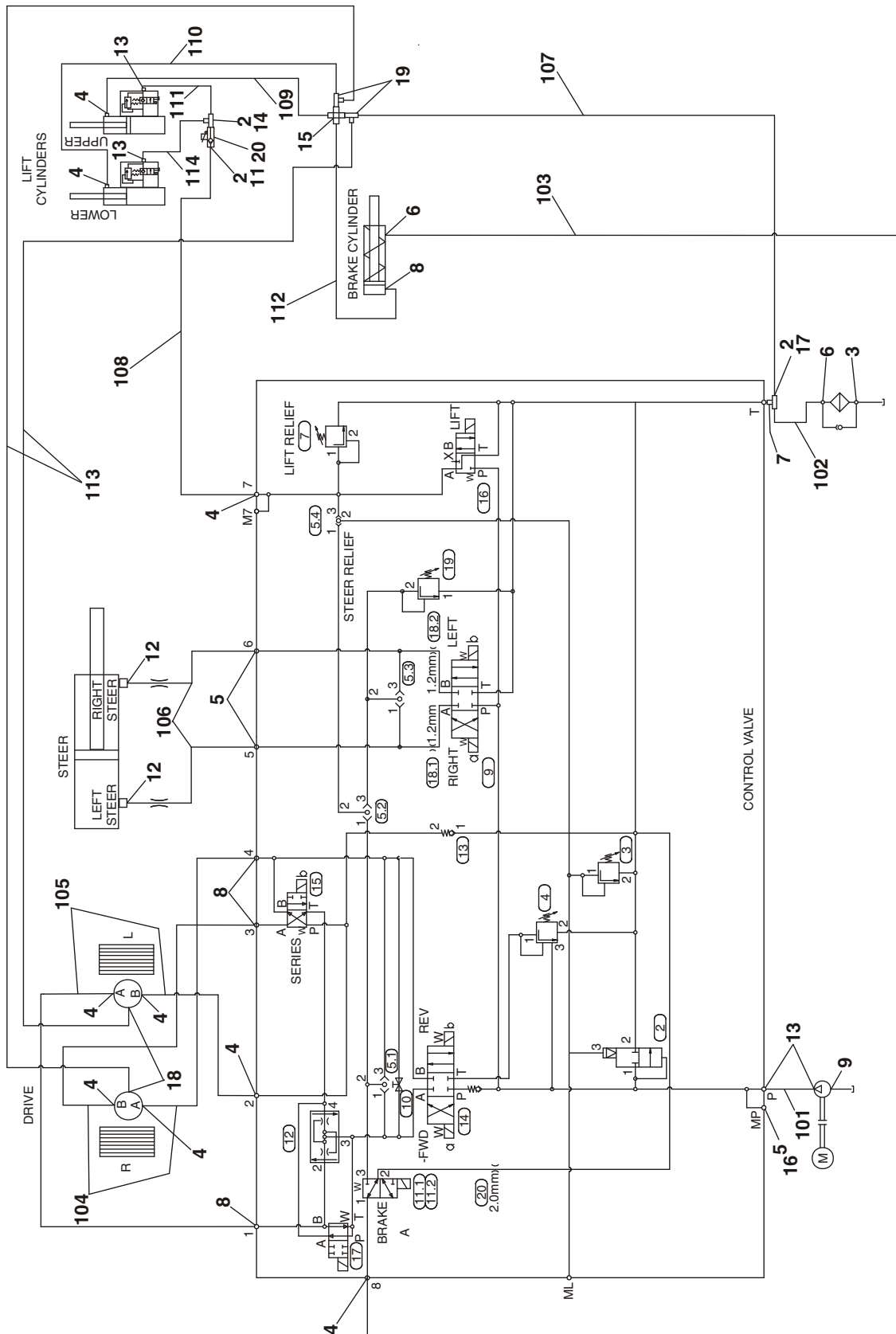
SECTION 6 HYDRAULIC

FIGURE 6-3. HYDRAULIC DIAGRAM - 3246E2 WITH STANDARD CONTROLS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC DIAGRAMS - 3246E2	Ref.	
	0259625	3246E2 (PRIOR TO S/N 90870)	Ref.	1
	0271237	3246E2 (S/N 90870 TO PRESENT)	Ref.	2
1	Not Used			
2	0100020	Sealant, Pipe	A/R	
3	2220603	Fitting, Straight	2	
4	2220371	Fitting, Straight	12	
5	2220415	Fitting, Straight	4	
6	2220500	Fitting, 45°	1	
7	2220593	Fitting, Straight	1	
8	2220347	Fitting, Straight	1	
9	2220470	Fitting, Straight	1	
10	2220775	Fitting, 90°	1	
11	2220473	Fitting, 90°	4	
12 to 13	Not Used			
14	Use 2220582	Fitting, Straight (Was P/N 2220417) (Prior to S/N 104717)	2	
15	2220466	Fitting, 90°	3	
16 to 17	Not Used			
18	2220608	Fitting, Tee	1	
19	2220635	Fitting, Tee	2	
20	2220827	Fitting, Cross	1	
21	2220396	Fitting, Straight	1	
22	4640216	Valve, Color Flow Control	1	
23	2220515	Fitting, Cap	1	
24 to 26	Not Used			
27	2220399	Fitting, Straight	2	
	2901872	HOSE KIT - 3246E2	Ref.	2
101	2750989	Hose	1	
102	2752940	Hose	1	
103	2753058	Hose	1	
104	Not Used			
105	2753057	Hose	2	
106	2752643	Hose	2	
107	2752992	Hose	2	
108	2752444	Hose	1	
109	2752981	Hose	1	
110	2753060	Hose	2	
111	2753059	Hose	1	
112	2753062	Hose	1	
113	2753063	Hose	1	
114	2753061	Hose	1	
115 to 117	Not Used			
118	2753064	Hose	1	
119	2752648	Hose	2	

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FIGURE 6-4.HYDRAULIC DIAGRAM - 3246E2 WITH PROPORTIONAL CONTROLS



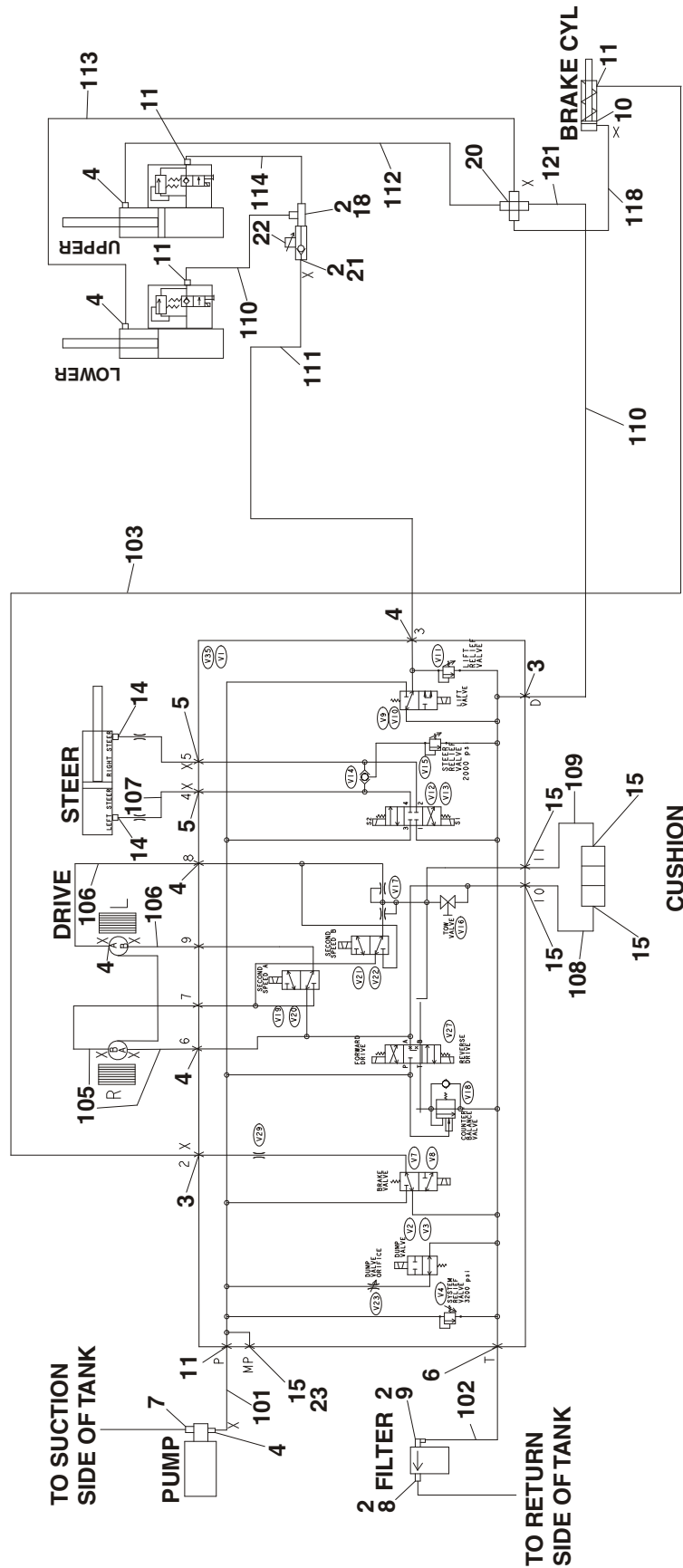
SECTION 6 HYDRAULIC

FIGURE 6-4. HYDRAULIC DIAGRAM - 3246E2 WITH PROPORTIONAL CONTROLS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC DIAGRAMS - 3246E2	Ref.	
	2792399	3246E2 (PRIOR TO S/N 90870)	Ref.	B
	2792496	3246E2 (S/N 90870 TO PRESENT)	Ref.	3
1	Not Used			
2	0100020	Sealant, Pipe (Not Shown)	A/R	
3	2220347	Fitting, Straight	1	
4	2220371	Fitting, Straight	9	
5	2220415	Fitting, Straight	3	
6	2220470	Fitting, 90°	2	
7	2220999	Fitting, Tee	1	
8	2220501	Fitting, 45°	3	
9	2220593	Fitting, Straight	1	
10	Not Used			
11	2220343	Fitting, Straight	1	
12	Use 2220472	Fitting, Straight (Was P/N 2220585) (Prior to S/N 104717)	2	
13	2220473	Fitting, 90°	4	
14	2220608	Fitting, Tee	1	
15	2220827	Fitting, Cross	1	
16	2220515	Fitting, Cap	1	
17	2220619	Fitting, Reducer	1	
18	2220399	Fitting, Straight (Prior to S/N 90870 Only)	2	
19	2220635	Fitting, Tee (Prior to S/N 98070 Only)	2	
20	4640216	Valve, Color Flow Control	1	
	2901876	HOSE KIT - 3246E2	Ref.	5
101	2750758	Hose	1	
102	2752514	Hose	1	
103	2752632	Hose	1	
104	2753057	Hose	2	
105	2752643	Hose	2	
106	2753325	Hose	2	
107	2750990	Hose	1	
108	2753059	Hose	1	
109	2753062	Hose	1	
110	2753063	Hose	1	
111	2753061	Hose	1	
112	2753064	Hose	1	
113	2752648	Hose	2	
114	2753060	Hose	1	

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FIGURE 6-5.HYDRAULIC DIAGRAM - 2632E2 WITH STANDARD CONTROLS



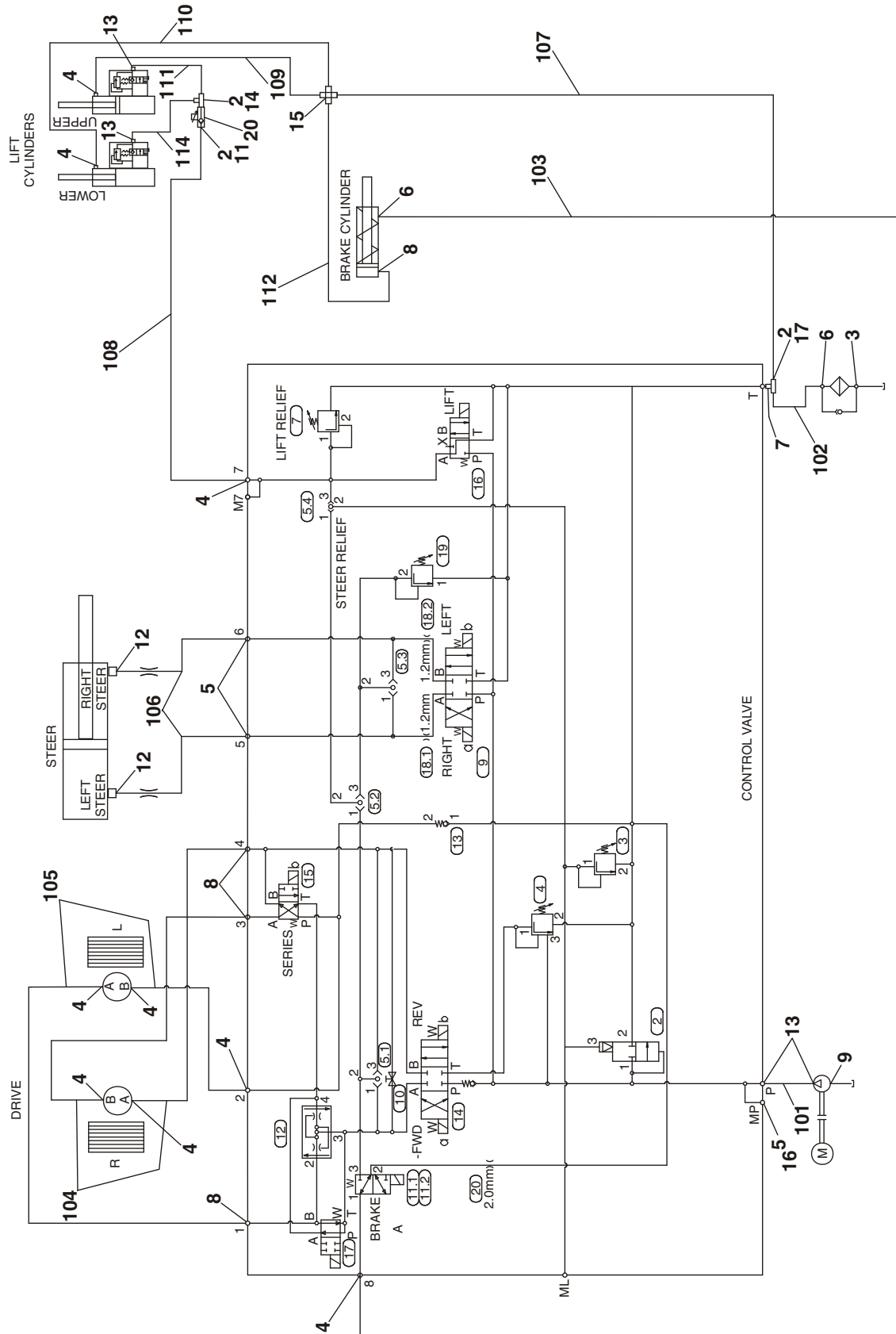
SECTION 6 HYDRAULIC

FIGURE 6-5. HYDRAULIC DIAGRAM - 2632E2 WITH STANDARD CONTROLS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC DIAGRAMS - 2632E2	Ref.	
	0271877	2632E2	Ref.	2
1	Not Used			
2	0100020	Sealant, Pipe	A/R	
3	2220603	Fitting, Straight	2	
4	2220371	Fitting, Straight	12	
5	2220415	Fitting, Straight	4	
6	2220500	Fitting, 45°	1	
7	2220593	Fitting, Straight	1	
8	2220347	Fitting, Straight	1	
9	2220470	Fitting, 90°	1	
10	2220775	Fitting, 90°	1	
11	2220473	Fitting, 90°	4	
12 to 13	Not Used			
14	Use 2220582	Fitting, Straight (Was P/N 2220417) (Prior to S/N 104717)	2	
15	2220466	Fitting, 90°	3	
16 to 17	Not Used			
18	2220608	Fitting, Tee	1	
19	Not Used			
20	2220827	Fitting, Cross	1	
21	2220396	Fitting, Straight	1	
22	4640216	Valve, Flow Control	1	
23	2220515	Fitting, Cap	1	
24 to 27	Not Used			
	2902112	Hose Kit - 2632E2	Ref.	3
101	2750989	Hose	1	
102	2752940	Hose	1	
103	2753065	Hose	1	
104	Not Used			
105	2752643	Hose	2	
106	2753067	Hose	2	
107	2752992	Hose	2	
108	2752444	Hose	1	
109	2752981	Hose	1	
110	2753060	Hose	1	
111	2753690	Hose	1	
112	2753691	Hose	1	
113	2753063	Hose	1	
114	2753061	Hose	1	
115 to 117	Not Used			
118	2753064	Hose	1	
119 to 120	Not Used			
121	2753071	Hose	1	

SECTION 6 HYDRAULIC

FIGURE 6-6.HYDRAULIC DIAGRAM - 2632E2 WITH PROPORTIONAL CONTROLS



SECTION 6 HYDRAULIC

FIGURE 6-6. HYDRAULIC DIAGRAM - 2632E2 WITH PROPORTIONAL CONTROLS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		HYDRAULIC DIAGRAMS -2632E2	Ref.	
	2792556	2632E2	Ref.	2
1	Not Used			
2	0100020	Sealant, Pipe	A/R	
3	2220347	Fitting, Straight	1	
4	2220371	Fitting, Straight	9	
5	2220415	Fitting, Straight	3	
6	2220470	Fitting, 90°	2	
7	2220999	Fitting, Tee	1	
8	2220501	Fitting, 45°	3	
9	2220593	Fitting, Straight	1	
10	Not Used			
11	2220396	Fitting, Straight	1	
12	Use 2220472	Fitting, Straight (Was P/N 2220585) (Prior to S/N 104717)	2	
13	2220473	Fitting, 90°	4	
14	2220608	Fitting, Tee	1	
15	2220827	Fitting, Cross	1	
16	2220515	Fitting, Cap	1	
17	2220619	Fitting, Reducer	1	
18 to 19	Not Used			
20	4640216	Valve, Flow Control	1	
	2902123	Hose Kit - 2632E2	Ref.	3
101	2750785	Hose	1	
102	2752514	Hose	1	
103	Use 2753071	Hose (Was P/N 2752824)	1	
104	Use 2752643	Hose (Was P/N 2752461)	2	
105	2753067	Hose	2	
106	2753325	Hose	2	
107	2750990	Hose	1	
108	2753327	Hose	1	
109	2753691	Hose	1	
110	2753063	Hose	1	
111	2753061	Hose	1	
112	2752470	Hose	1	
113	Not Used	Hose		
114	2753060	Hose	1	

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FIGURE 6-7.HYDRAULIC DIAGRAM LIST

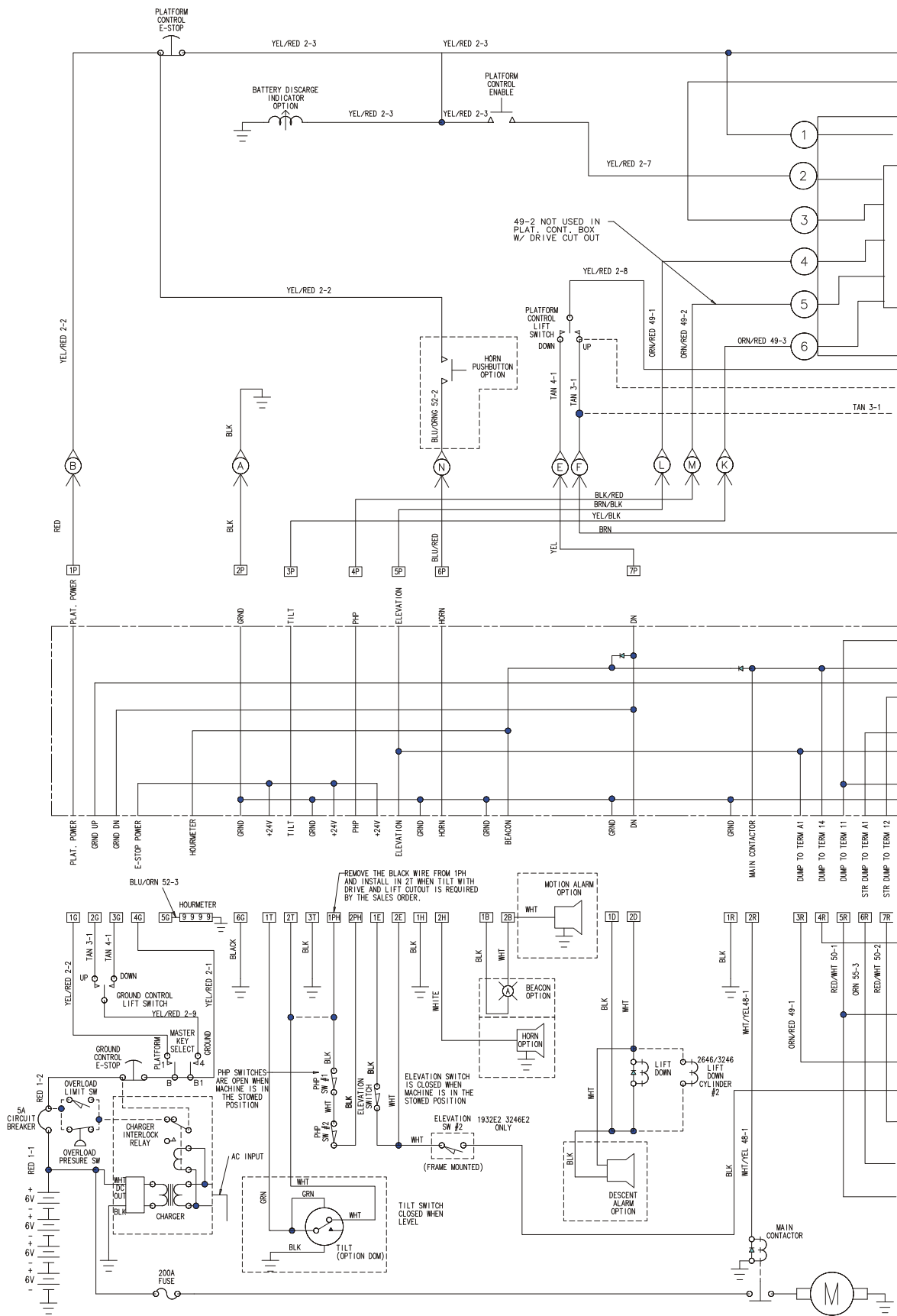
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		Note: Items with * indicate hydraulic diagrams shown in this manual. Information on Diagrams Not Shown is Available From JLG Service/Parts Departments.	Ref.	
	0258278/1283086	Hydraulic Diagram (1532E2 Prior to S/N 90870)		
	0271223/1283251*	Hydraulic Diagram (1532E2 S/N 90870 to Present)		
	0258278/1283086	Hydraulic Diagram (1932E2 Prior to S/N 90870)		
	0271223/1283251*	Hydraulic Diagram (1932E2 S/N 90870 to Present)		
	0257955/1283086	Hydraulic Diagram (2032E2 Prior to S/N 88558)		
	0271068/1283251*	Hydraulic Diagram (2032E2 S/N 88558 to Present)		
	0259551/1283086	Hydraulic Diagram (2646E2 Prior to S/N 88558)		
	0271069/1283251*	Hydraulic Diagram (2646E2 S/N 88558 to Present)		
	0259625/1283086	Hydraulic Diagram (3246E2 with Standard Controls Using Rexroth Drive Motor)		
	0271237/1283251*	Hydraulic Diagram (3246E2 with Standard Controls Using Parker Drive Motor)		
	0271877/1283251*	Hydraulic Diagram (2632E2 with Standard Controls Using Parker Drive Motor)		
	2792399	Hydraulic Diagram (3246E2 with Proportional Controls Using Rexroth Drive Motor)		
	2792496*	Hydraulic Diagram (3246E2 with Proportional Controls Using Parker Drive Motor)		
	2792556*	Hydraulic Diagram (2632E2 with Proportional Controls Using Parker Drive Motor)		

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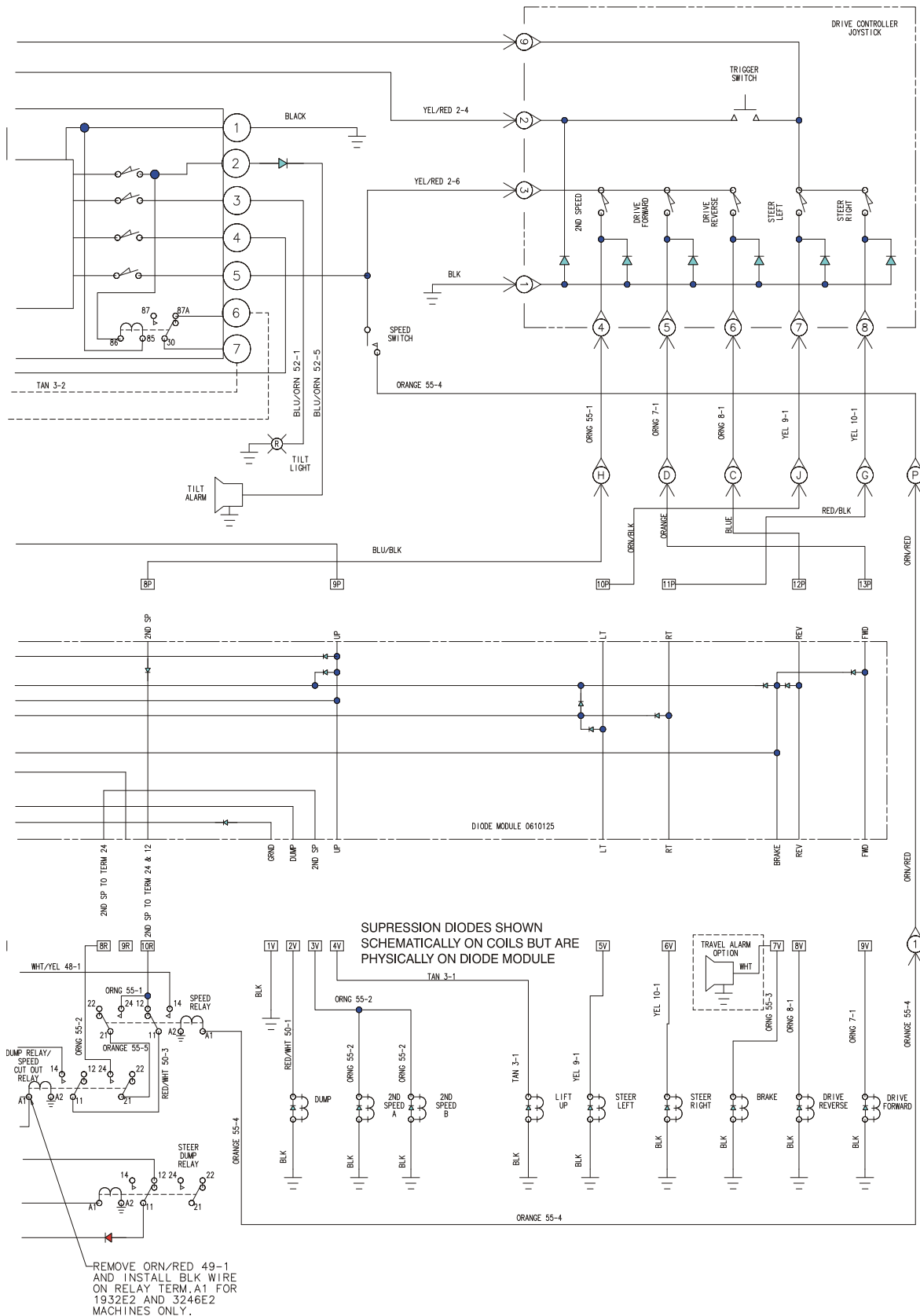
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FIGURE 7-1.ELECTRICAL SCHEMATIC (STANDARD CONTROL MACHINES)



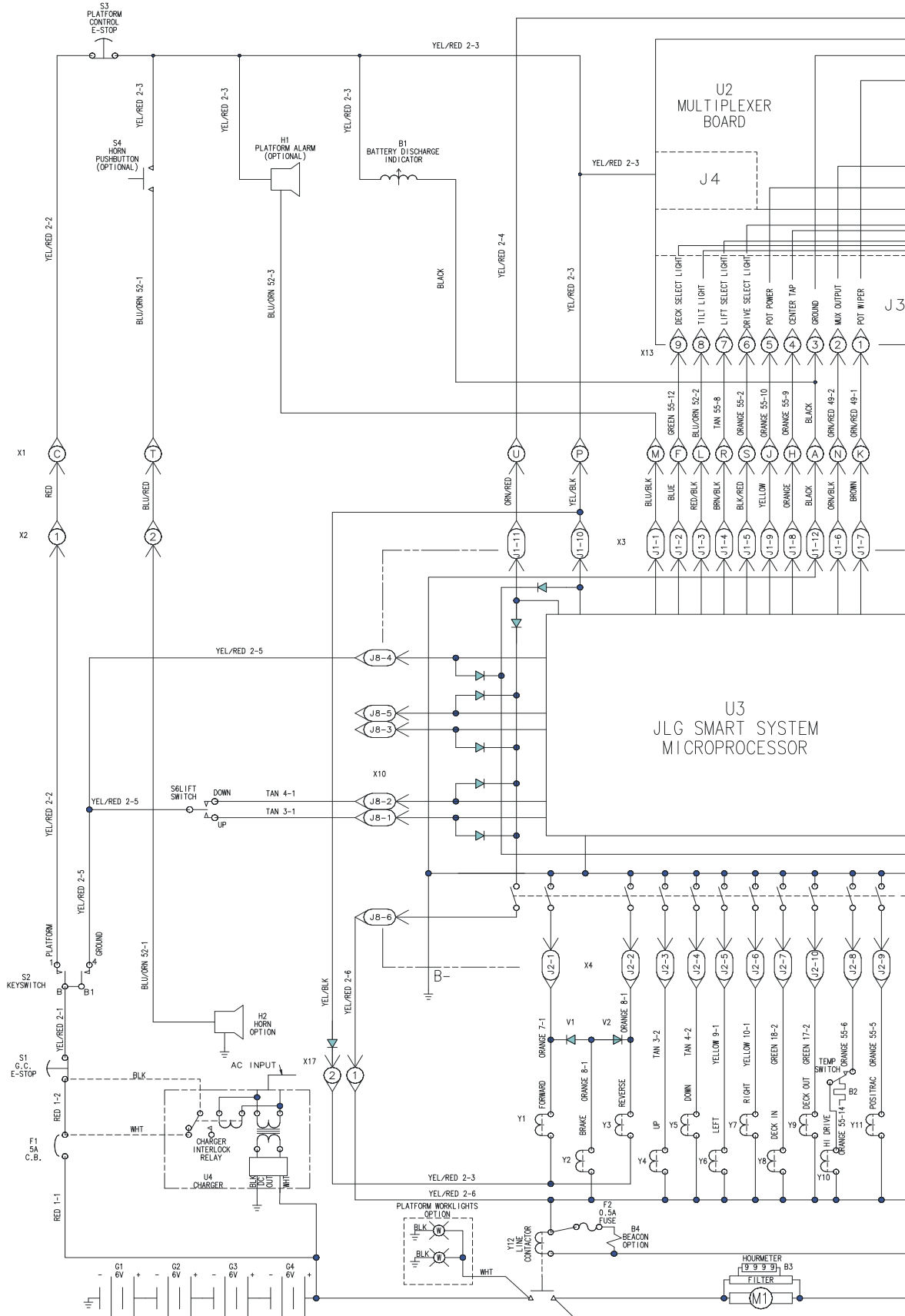
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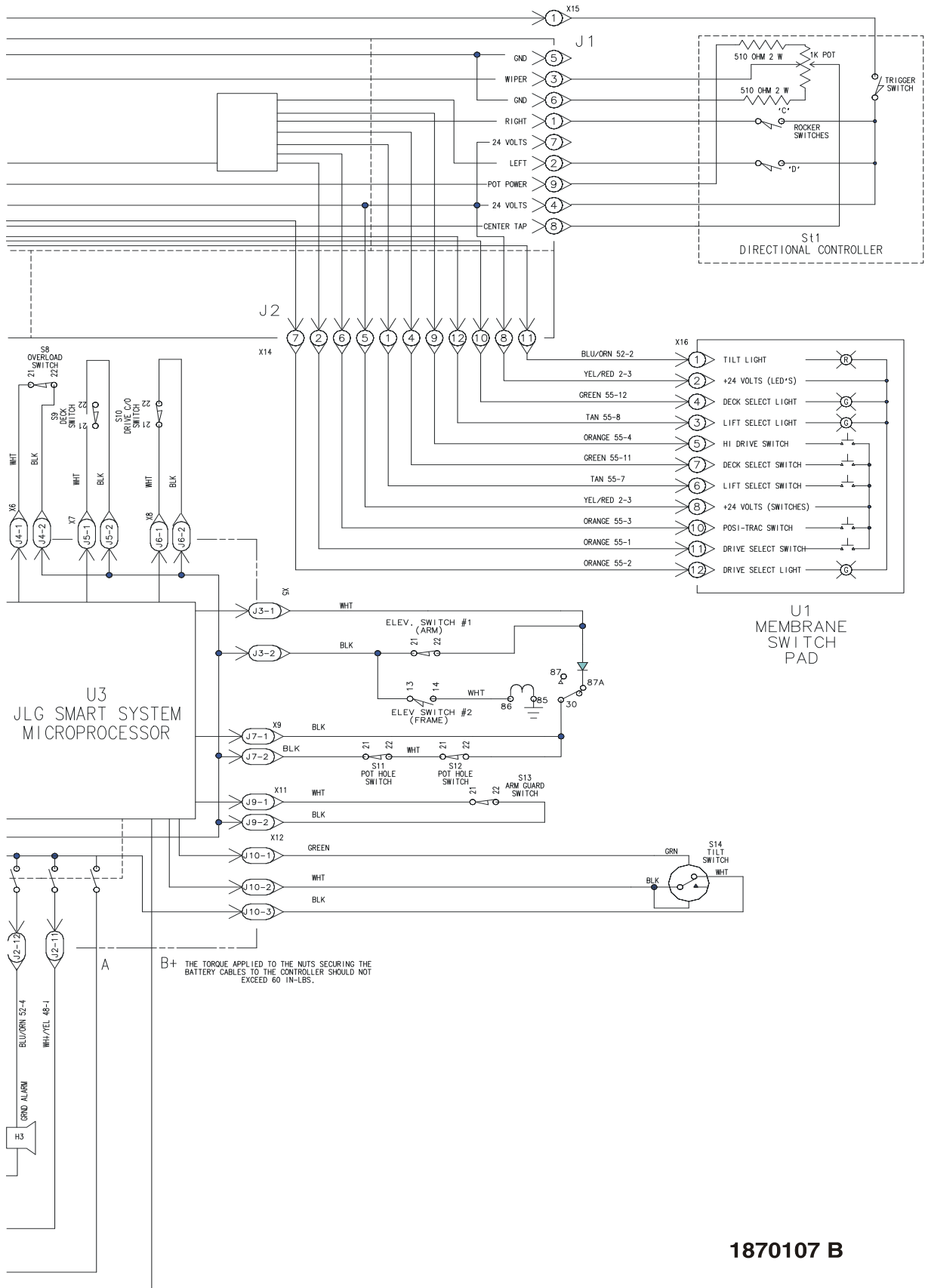
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FIGURE 7-2.ELECTRICAL SCHEMATIC (PROPORTIONAL CONTROL MACHINES)



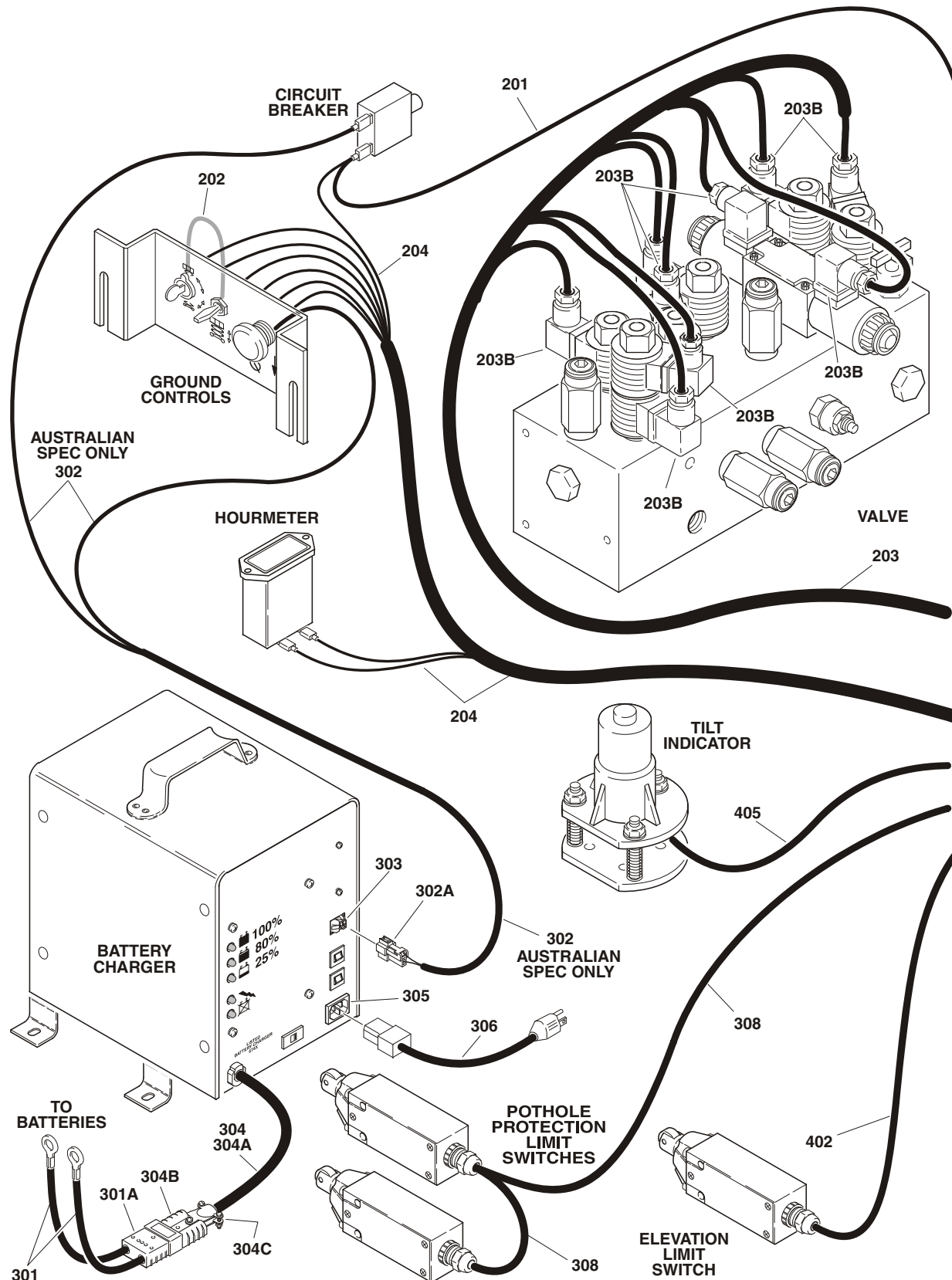
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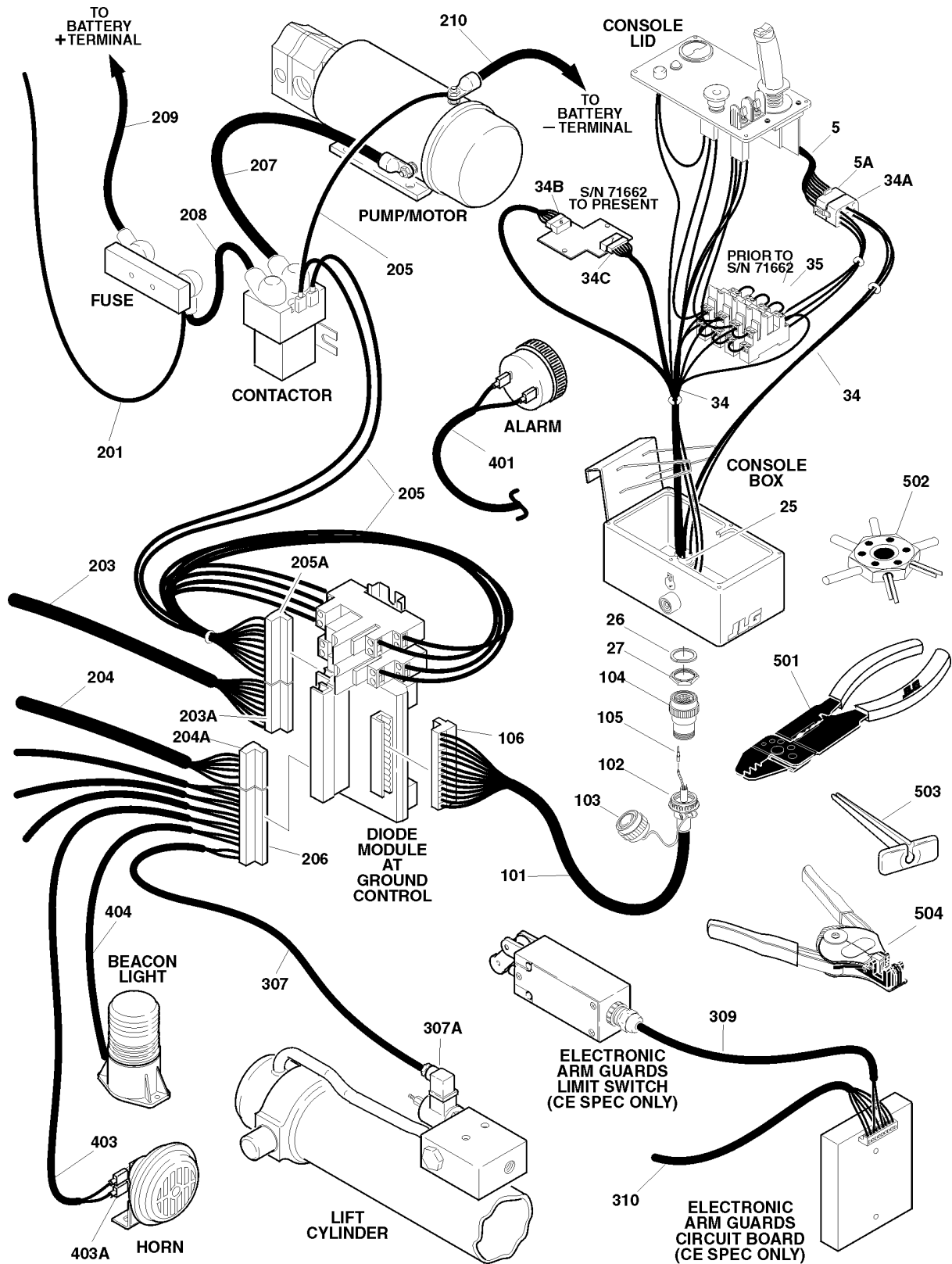
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FIGURE 7-3. ELECTRICAL COMPONENTS INSTALLATION (STANDARD CONTROL MACHINES)



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FIGURE 7-3. ELECTRICAL COMPONENTS INSTALLATION (STANDARD CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		PLATFORM CONSOLE BOX COMPONENTS	Ref.	
1 to 4	Not Used			
5		Harness - Controller (Part of Electrical Assembly)	0	
5A	4460265	Connector	1	
	4460267	Pin, Male	A/R	
6 to 24	Not Used			
25	4460495	Connector, Electrical	1	
26	4460496	Lockwasher, Receptacle	1	
27	4460497	Nut, Receptacle	1	
28 to 33	Not Used			
34		Harness - Platform Console Box	1	
	4922142	Without Tilt Indicators (Prior to S/N 71662)		1/A
	Not Available	Without Tilt Indicators (S/N 71662 to Present)		2/B
	4922143	With Tilt Indicators (Prior to S/N 71662)		1/A
	4922371	With Tilt Indicators (S/N 71662 to Present) (Has 5 Pin & 6 Pin Connectors at PC Board)		2/B
	4922143	With Tilt Indicators & Cut-Out (Prior to S/N 71662)		1/A
	4922372	With Tilt Indicators & Cut-Out (S/N 71662 to Present) (Has 7 Pin & 6 Pin Connectors at PC Board)		2/B
	4922290	Nikken/Taiyo Spec Only		2/B
	3990010	Diode - 6 Amp	A/R	
34A	4460267	Pin, Male	9	
	4460265	Receptacle - 9 Position	1	
34B	4460839	Connector - 6 Position (S/N71662 to Present Only)	1	
34C		Connector, Male (S/N 71662 to Present Only)	1	
	4460840	7 Position Connector		
	4460838	5 Position Connector		
35	4922062	Harness - Platform Relay (Prior to S/N 71662 Only)	1	
	0270542	CABLE INSTALLATIONS - GROUND TO PLATFORM (1532E2)	Ref.	1
	0258277	CABLE INSTALLATIONS - GROUND TO PLATFORM (1932E2)	Ref.	2
	0257916	CABLE INSTALLATIONS - GROUND TO PLATFORM (2032E2)	Ref.	2
	0257917	CABLE INSTALLATIONS - GROUND TO PLATFORM (2646E2 & 2632E2)	Ref.	2
	0258899	CABLE INSTALLATIONS - GROUND TO PLATFORM (3246E2)	Ref.	2
	4922449	Cable Assembly - 1532E2	Ref.	1
	4922126	Cable Assembly - 1932E2	Ref.	2
	4922097	Cable Assembly - 2032E2	Ref.	5
	4922098	Cable Assembly - 2646E2 & 2632E2	Ref.	5
	4922224	Cable Assembly - 3246E2	Ref.	2
101	1060608	Cable, Electrical - 18/14	A/R	
		1532E2	32ft/9.75m	
		1932E2	37ft/11.3m	
		2032E2	42ft/12.8m	
		2646E2 & 2632E2	50ft/15.2m	

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FIGURE 7-3. ELECTRICAL COMPONENTS INSTALLATION (STANDARD CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
101 (cont'd)		3246E2	58ft/17.7m	
102	4460492	Clamp, Cable	1	
103	4460493	Cap, Dust	1	
104	4460491	Connector, Electrical	1	
105	4460464	Pin, Male	13	
106	4460715	Plug - 13 Position	1	
		GROUND CONTROL COMPONENTS	Ref.	
		Note: See Section 2 for Battery to Battery Cable Call-outs.	Ref.	
201	4922032	Harness, Power	1	2
202	4922033	Harness, Lift Switch Power	1	1
203		Harness, Valve Options:	1	
	4922102	1532E2 & 1932E2		1
	4922034	2032E2 & 2632E2 & 2646E2 & 3246E2		3
203A	4460719	Connector - 9 Position	1	
203B	4460449	Connector, DIN	9	
204		Harness, Ground Control	1	
	4922035	Standard Spec		2
	4922331	Nikken Spec		2/B
204A	4460717	Connector - 6 Position	1	
205	4922144	Harness, Relay	1	4/C
	3990010	Diode - 6 Amp	1	
205A	4460718	Connector - 10 Position	1	
206	4460716	Terminal -13 Position (Part of 2901538 Diode Module)	1	
207	1060666	Cable, Battery (Contactor to Motor)	1	
208	1060667	Cable, Battery (Fuse to Contactor)	1	
209		Cable, Battery Options (Battery + to Fuse)	1	
	1060681	1532E2 & 1932E2		
	1060668	2032E2 & 2646E2 & 3246E2		
210		Cable, Battery Options (Battery - to Motor)	1	
	1060682	1532E2 & 1932E2		
	1060669	2032E2 & 2646E2 & 3246E2		
211		Harness, Key Switch Options:	1	
	Not Required	Standard Spec		
	4922332	Nikken Spec		1/A
		STANDARD HARNESS ASSEMBLIES	Ref.	
301		Harness, Battery Charger Options:	1	
	4922096	1532E2 & 1932E2		
	4922067	2032E2 & 2632E2 & 2646E2 & 3246E2		
301A	4460444	Connector, Anderson	1	
302	Not Required	Harness, Enable Switch	0	
302A	Not Required	Connector, Female - 2 Position	0	
303	Not Available	Harness, Enable Switch (Inside Battery Charger)		
	7011621	Connector, Male - 2 Position	1	

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FIGURE 7-3. ELECTRICAL COMPONENTS INSTALLATION (STANDARD CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
304		Cord Set - DC Options (Battery Charger):	1	
	7018580	Standard Spec		
	7020604	Japanese Spec		
304A		DC Assembly with Plug	1	
	7018581	Standard Spec		
	7020600	Japanese Spec		
304B	7011590	Connector, Plug	1	
304C	7018579	Clamp	1	
305		Cord Set - AC Options (Battery Charger):	A/R	
	Not Required	Standard Spec (Inside Battery Charger)	0	
	7018599	Japanese Spec (Not Shown)	1	
	7018584	Plug Assembly - AC Inlet	1	
	7018583	Plug, AC	1	
306		Cord Assembly (Battery Charger to AC Outlet)	1	
	1060688	Standard Spec/CSA Spec/Japanese Spec		
	1060689	Brazilian Spec/Latin American Spec (AC Outlet Plug Must Be Supplied Locally)		
	0259346	Nikken Spec Only		
307		Harness, Lift Down Options:	1	
	4922091	1532E2 & 1932E2		
	4922086	2032E2		
	4922088	2646E2 & 2632E2 & 3246E2 (Lower)		
	4922089	2646E2 & 2632E2 & 3246E2 (Upper)		
307A	4460449	Connector, DIN	1	
308	Not Available	Harness, Pothole Protection Limit Switch		
	1060680	Cable, Electrical - 18/2 (Left Side)	3ft/.91m	
	1060680	Cable, Electrical - 18/2 (Right Side)	9.6ft/3m	
309	Not Required	Harness, Electronic Arm Guards Limit Switch	0	
310	Not Required	Harness, Electronic Arm Guards Circuit Board	0	
		ACCESSORIES HARNESS COMPONENTS	Ref.	
401	Not Available	Harness - Alarm (Descent/Motion/Travel)		
	1060680	Cable, Electrical -18/2	1ft/.3m	
	4460183	Terminal	2	
402	1060680	Harness - Hi-Drive Limit	A/R	
		1532E2 & 1932E2	15ft/4.6m	
		2032E2 & 2646E2	17ft/5.2m	
		3246E2	25ft/7.6m	
403	Not Available	Harness - Horn		
	1060680	Cable, Electrical -18/2	8ft/2.4m	
403A	4460259	Terminal	2	
	4460260	Housing, Terminal	2	
404	Not Available	Harness - Beacon		
	1060680	Cable, Electrical -18/2	10ft/3m	
	4460248	Terminal	2	
405	Not Available	Harness - Tilt		
	Not Available	Cable, Electrical -18/3	A/R	
406	Not Used			

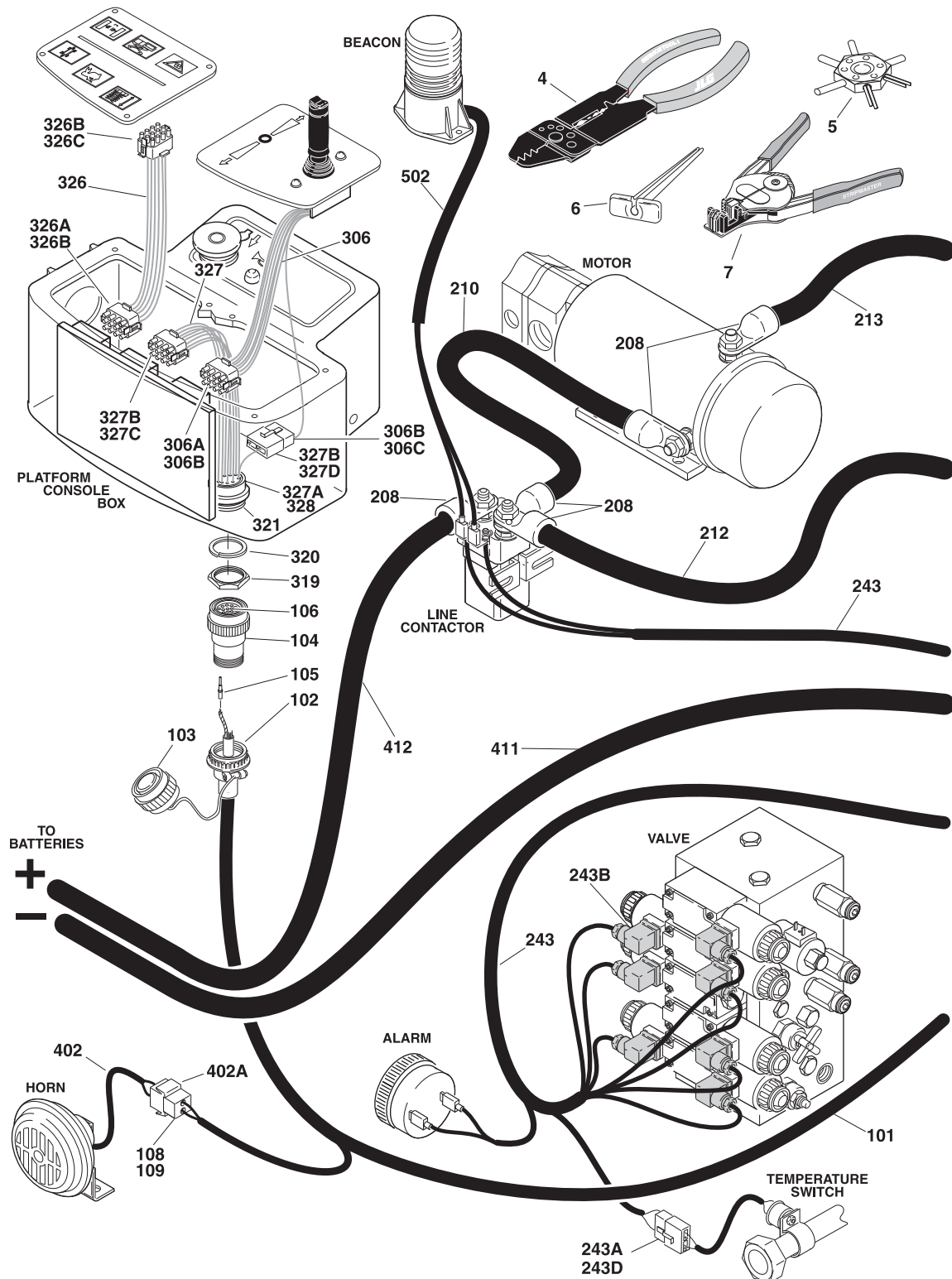
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FIGURE 7-3. ELECTRICAL COMPONENTS INSTALLATION (STANDARD CONTROL MACHINES)

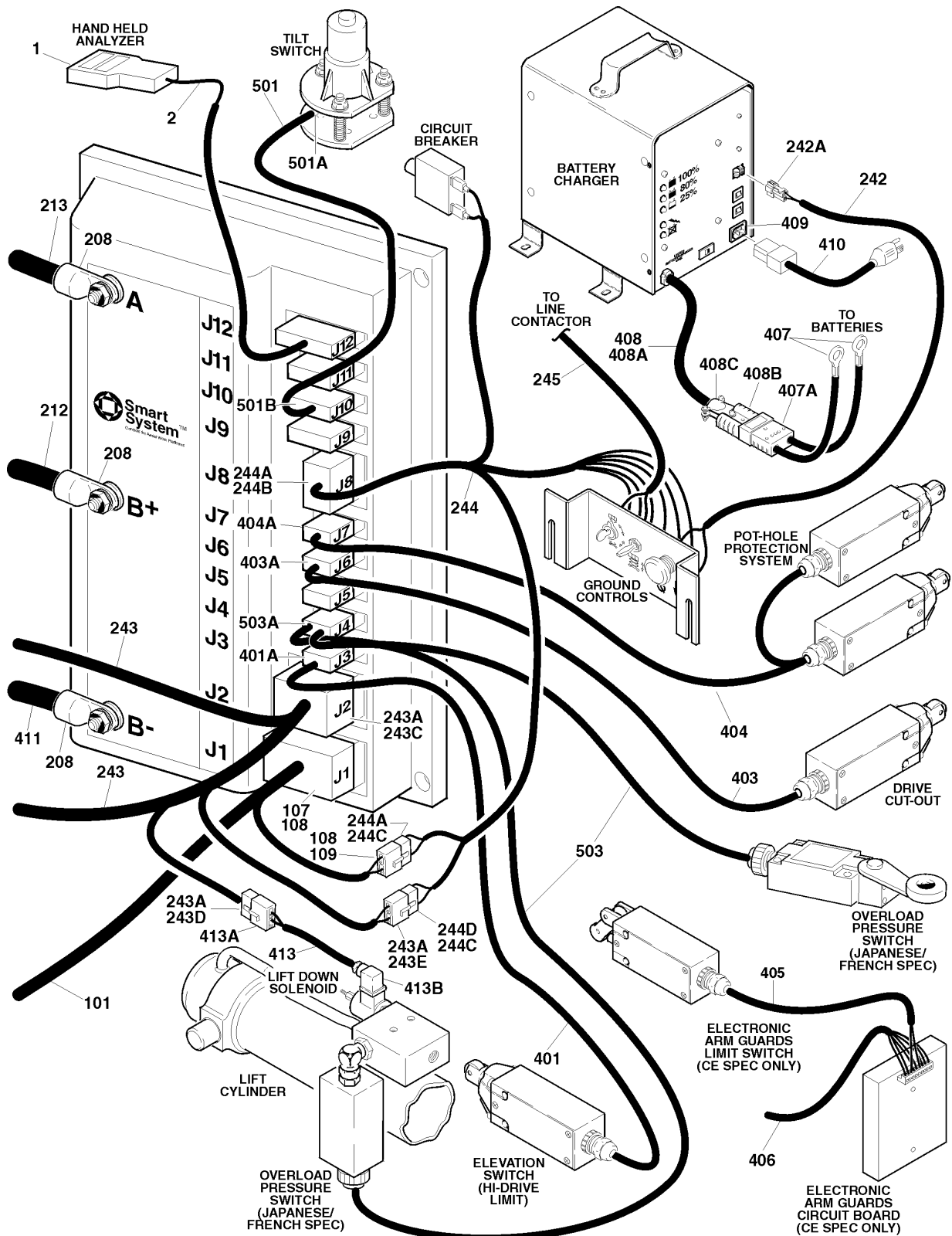
FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		TOOLS	Ref.	
	0100048	Compound, Silicone (Use on connectors/ receptacles)	A/R	
501	7002821	Crimper (For Wire to Pin/Socket Connections)	1	
502	7002823	Extractor (For Removal of Pin/Socket from Connectors)	1	
503	4460467	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors)	1	
	4460510	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors)	1	
504	7002828	Stripper, Wire	1	

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FIGURE 7-4. ELECTRICAL COMPONENT INSTALLATION (PROPORTIONAL CONTROL MACHINES)



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SECTION 7 ELECTRICAL

FIGURE 7-4. ELECTRICAL COMPONENT INSTALLATION (PROPORTIONAL CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		TOOLS	Ref.	
	2900874	Configurator Kit (Computer Software Kit)	1	
	2901443	Analyzer and Cable Kit (Includes 1600244 & 1060633)	1	
1	1600244	Analyzer, SMART System Controller	1	
2	1060633	Cable, Communication (Analzer to Controller)	1	
3	Not Used			
4	7002821	Crimper (For Wire to Pin/Socket Connections)	1	
5	7002823	Extractor (For Removal of Pins/Sockets form Connectors)	1	
6	4460467	Extractor - 16-18 Gauge (For Removal of Pins/Sockets form Deutsch Connectors)	1	
	4460510	Extractor - 12-14 Gauge (For Removal of Pins/Sockets form Deutsch Connectors)	1	
7	8896941	Stripper, Wire	1	
8	0100048	Compound, Silicone (Use on Connectors/Receptacles) (Not Shown)	A/R	
		CABLE ASSEMBLIES - GROUND TO PLATFORM OPTIONS:	Ref.	1
	0259656	3246E2	Ref.	1/F
	4922299/ 1282896	Cable Assembly	Ref.	
	0271976	2632E2	Ref.	1
	4922674/ 1282896	Cable Assembly	Ref.	
101	1060608	Cable, Electrical - 18/14 Options:	58ft./17.7m	
102	4460473	Clamp, Cable	1	
103	4460468	Cap, Dust	1	
104	4460614	Connector, Electrical - 21 Pin	1	
105	4460465	Socket, Female	14	
106	4460466	Plug, Sealing	7	
107	4460343	Connector - 12 Pin	1	
108	4460267	Pin	15	
109	4460320	Connector - 2 Pin	1	
110	Not Used			
111	3990010	Diode, 6A 600Volt (Not Shown)	A/R	
		ELECTRICAL CONTROL SYSTEM INSTALLATIONS	Ref.	
	0259678	Without Charger Interlock	Ref.	D
	0259677	With Charger Interlock	Ref.	D
201 to 207	Not Used			
208	0840025	Boot, Cable	8	
209	Not Used			
210	1060666	Cable, Battery (Contactor to Motor)	1	
211	1060680	Cable, Electrical - 18/2	2ft/.6m	
212	1060763	Cable, Battery (Contactor to Controller B+)	1	

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FIGURE 7-4. ELECTRICAL COMPONENT INSTALLATION (PROPORTIONAL CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
213	1060764	Cable, Battery (Controller A to Motor)	1	2/B
214 to 235	Not Used			
236	4460268	Socket, Female	2	
237	4460320	Plug, Male - 2 Position	1	
238 to 241	Not Used			
242	4922199	Harness - Charger Lockout (Optional)	1	
	1060680	Cable, Electrical - 18/2	12ft/3.7m	
242A	4460320	Connector	1	
	4460268	Socket, Female	2	
243	4922300	Harness - Valve	1	
243A	4460268	Socket, Female	14	
243B	4460449	Connector, DIN	8	
243C	4460343	Connector - 12 Pin	1	
243D	4460424	Plug, Male - 2 Position	2	
243E	4460320	Connector - 2 Pin	1	
243F	3990010	Diode 6 Amp (Not Shown)	2	
244	4922302	Harness - Ground Control	1	
244A	4460268	Socket	5	
244B	4460225	Connector - 6 Pin	1	
244C	4460424	Plug, Male - 2 Position	2	
244D	4460267	Pin	1	
245	4922327	Harness - Relay Ground	2	
		PLATFORM CONSOLE BOX ASSEMBLIES	Ref.	
301 to 305	Not Used			
306	7020508	Harness - Controller Electrical Assembly	1	
306A	4460265	Receptacle	1	
306B	4460268	Socket, Female	8	
306C	4460424	Plug, Male - 2 Position	1	
307 to 318	Not Used			
319	4460470	Nut, Receptacle	1	
320	4460471	Lockwasher, Receptacle	1	
321	4460613	Connector, Electrical - 21 Pin	1	
322 to 325	Not Used			
326	4922183	Harness - Membrane Switch	1	
326A	4460268	Socket, Female	A/R	
326B	4460343	Receptacle	2	
326C	4460267	Pin, Male	A/R	
327	4922184	Harness - Platform Console Box		
327A	4460265	Receptacle	1	
327B	4460267	Pin, Male	A/R	
327C	4460343	Receptacle	1	
327D	4460320	Connector	1	
328	4460466	Plug, Sealing	7	

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FIGURE 7-4. ELECTRICAL COMPONENT INSTALLATION (PROPORTIONAL CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		STANDARD HARNESS ASSEMBLIES	Ref.	
401	Not Available	Harness - Hi-Drive Limit Switch	1	
	1060680	Cable, Electrical - 18/2	7ft./2.2m	
401A	4460320	Housing, Terminal	2	
	4460268	Socket, Female	2	
402	4922258	Harness - Horn	1	1
402A	4460424	Receptacle - 2 Position	1	
	4460268	Socket, Female	2	
403	4922305	Harness - Drive Cutout	1	1/A
	1060680	Cable, Electrical - 18/2	28ft/8.5m	
403A	4460320	Connector	1	
	4460268	Socket, Female	2	
404	Not Available	Harness - Pothole Protection System	1	
	1060680	Cable, Electrical - 18/2	A/R	
		Left Side (Hydraulic Component Tray)	3ft/.91m	
		Right Side (Battery Component Tray)	9.6ft/3m	
404A	4460320	Connector	1	
	4460267	Socket, Female	2	
405	Not Required	Harness - Electronic Arm Guards Limit Switch	0	
406	Not Required	Harness - Electronic Arm Guards Circuit Board	0	
407	4922067	Harness, Battery Charger	1	
407A	4460444	Connector, Anderson	1	
408		Cord Set - DC Options (Battery Charger):	1	
	7018580	Standard Spec		
	7020604	Japanese Spec		
408A		DC Assembly with Plug	1	
	7018581	Standard Spec		
	7020600	Japanese Spec		
408B	7011590	Connector, Plug	1	
408C	7018579	Clamp	1	
409		Cord Set - AC Options (Battery Charger):	A/R	
	Not Required	Standard Spec (Inside Battery Charger)	0	
	7018599	Japanese Spec (Not Shown)	1	
	7018584	Plug Assembly - AC Inlet	1	
	7018583	Plug, AC	1	
410		Cord Assembly (Battery Charger to AC Outlet)	1	
	1060688	Standard Spec/CSA Spec/Japanese Spec		
	1060689	Brazilian Spec/Latin American Spec (AC Outlet Plug Must Be Supplied Locally)		
	0259346	Nikken Spec Only		
411	1060774	Cable, Battery (Battery – to Controller B–)	1	
412	1060775	Cable, Battery (Battery+ to Contactor)	1	
413	4922301	Harness - Lift Down Solenoid	1	1/A
	1060680	Cable, Electrical - 18/2	37ft/11.3m	
413A	4460320	Connector - 2 Pin	1	
	4460267	Pin	2	
413B	4460449	Connector, DIN	2	

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FIGURE 7-4. ELECTRICAL COMPONENT INSTALLATION (PROPORTIONAL CONTROL MACHINES)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		ACCESSORIES HARNESS ASSEMBLIES	Ref.	
501	4922320	Harness - Tilt Switch	1	A
	1060330	Cable, Electrical - 16/3	8ft./2.4m	
501A	4460445	Connector - 3 Pin	1	
	4460267	Pin Male	3	
501B	4460326	Plug, Connector	1	
	4460268	Socket, Female	3	
502	Not Available	Harness - Beacon	1	
	1060680	Cable, Electrical - 18/2	7.5ft./2.3m	
503	Not Available	Harness - Overload (Japanese/French Spec.)	1	
	1060341	Cable, Electrical - 16/2	35ft./11m	
503A	4460320	Connector	1	
	4460267	Socket, Female	2	

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FIGURE 7-5. ELECTRICAL DIAGRAM LIST

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		Note: Diagrams with asterisks (*) are not shown in the following pages. Diagrams not shown are available from the JLG Service Department.	Ref.	
		ELECTRICAL SCHEMATIC	Ref.	
	1870080	Standard Controls Machines Prior to S/N 71662 (Machines with Relays in Console Box)	Ref.	
	1870116*	Standard Controls Machines S/N 71662 to Present (Machines with PC Board Module in Console Box)	Ref.	
	1870107*	Proportional Controls Machines	Ref.	
	1870112	Nikken/Taiyo Spec Machines Only	Ref.	
		Welder, 12-40 Volt MIG Options: (S/N 105296 to Present)	Ref.	
	0272149	2632E2 / 2646E2	Ref.	
	0272091	3246E2	Ref.	

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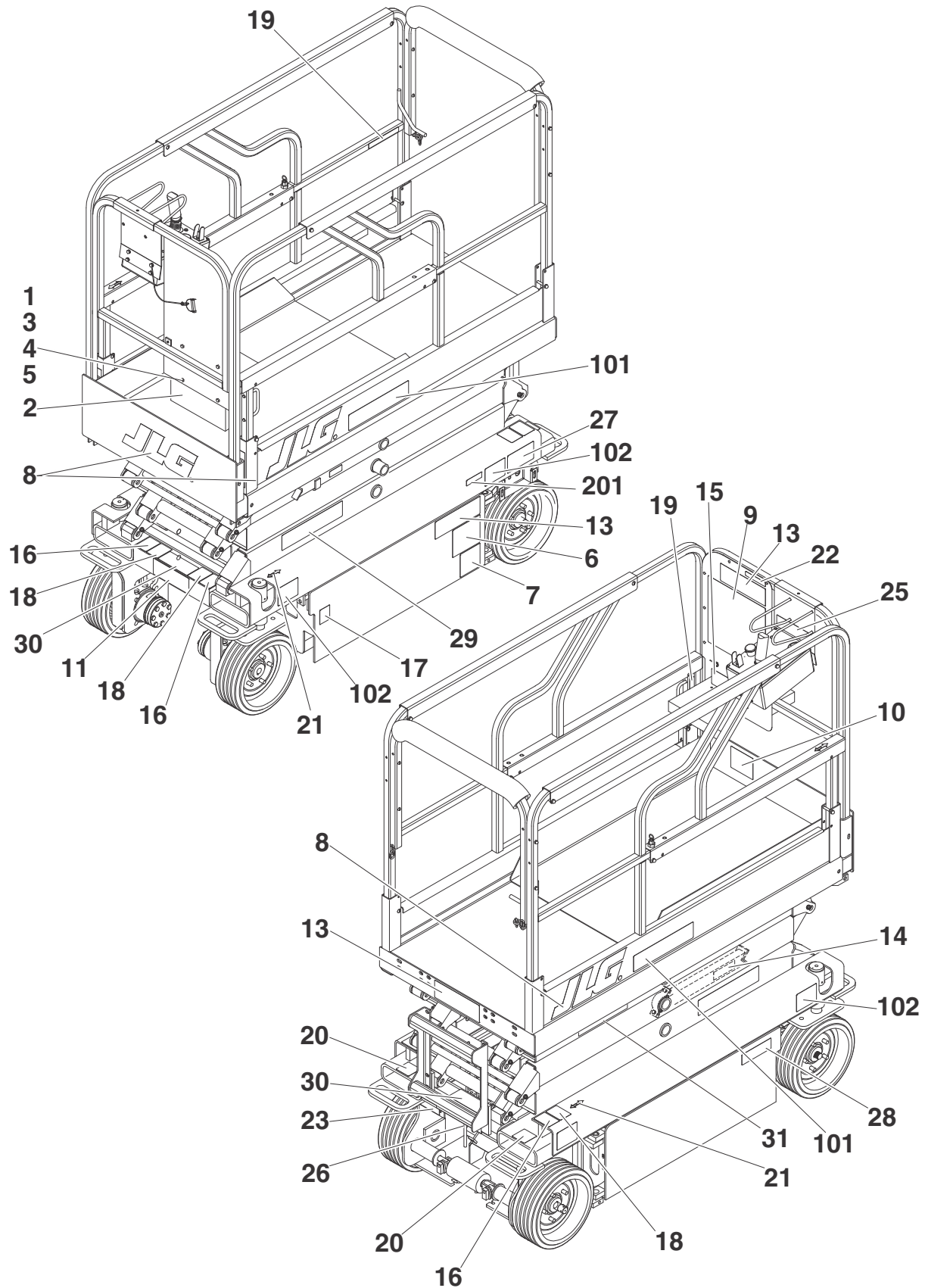
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FIGURE 8-1.DECALS INSTALLATION - 1532E2 & 1932E2 (COMMON)



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FIGURE 8-1. DECALS INSTALLATION - 1532E2 & 1932E2 (COMMON)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DECAL INSTALLATIONS (COMMON)	Ref.	
	0270552	1532E2	Ref.	5
	0258743	1932E2	Ref.	8
1	0641405	Bolt 1/4"-20NC x 5/8"	4	
2	0860520	Box, Manual Storage	1	
3	1060279	Cable, Lanyard	1	
4	3311405	Locknut 1/4"-20NC	4	
5	4751400	Flatwasher 1/4"	4	
6	1702153	Decal - Inspection	1	
7	Not Available	Decal - Bar Code	1	
8	Not Required			
9	1703816	Decal - Danger/Warning	1	
10	3251813	Decal - USA	1	
11	Not Available	Nameplate - Serial Number	1	
12	Not Used			
13	1703868	Decal - Capacity	3	
14	1703869	Decal - Safety Prop	2	
15		Decal - Manual Options:	1	
	Use 1701509	Decal (Prior to S/N 102826) (was p/n 1703788)		
	1701509	Decal (S/N 102826 to Present)		
16	1703811	Decal - Lifting Lug	4	
17	1703812	Decal - Hydraulic Oil	1	
18	1703814	Decal - Tie Down	4	
19	1704277	Decal - Attach Lanyard Here	2	
20	1703817	Decal - Forklift	4	
21	1703819	Decal - Directional Arrow	3	
22	1703821	Decal - Control Box Location	1	
23	1703822	Decal - Manual Descent Instructions	1	
24	Not Used			
25	1703695	Decal - Legend	1	
26	1704017	Decal - Towing/Winching/Tow Speed	1	
27	1703706	Decal - Ground Control Operation	1	
28	1703813	Decal - Warning Battery Ventilation	1	
29	1703818	Decal - Warning	2	
30	1703823	Decal - Danger Electrocution Hazard	2	
31	1704885	Decal - Website	1	

	2910120	Complete Decal Kit (Includes items 6-10, 13-23 & 25-30)	1	
	Use 2902070	Kit 1 (Includes Items 13-21, 23, 31) - 1932E2 (Was 2901595)	1	
	2901671	Kit 2 (Includes Items 22, 25-30)	1	
	2902069	Kit 1 (Includes Items 13-21, 23, 31) - 1532E2	1	
	2901671	Kit 2 (Includes Items 22, 25-30)	1	
	Not Available	Decal Kit - 1532E2 (Includes Items 101 & 102)	1	
	2910121	Decal Kit - 1932E2 (Includes Items 101 & 102)	1	

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FIGURE 8-1. DECALS INSTALLATION - 1532E2 & 1932E2 (COMMON) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
101	0250548	DECAL INSTALLATIONS (VARYING PARTS)	Ref.	
		1532E2	Ref.	1
	0258316	1932E2	Ref.	2
		Decal - Model Designation	2	
102	3252598	1932E2		
	3252747	1532E2		
	2901849	Decal Kit - Wheel Load	1	
	1703870	Decal - Wheel Load	4	
201	0273510	DECAL INSTALLATION SERVICE SUPPORT - 1932E2	Ref.	A
	1705304	Decal - Service Support	1	

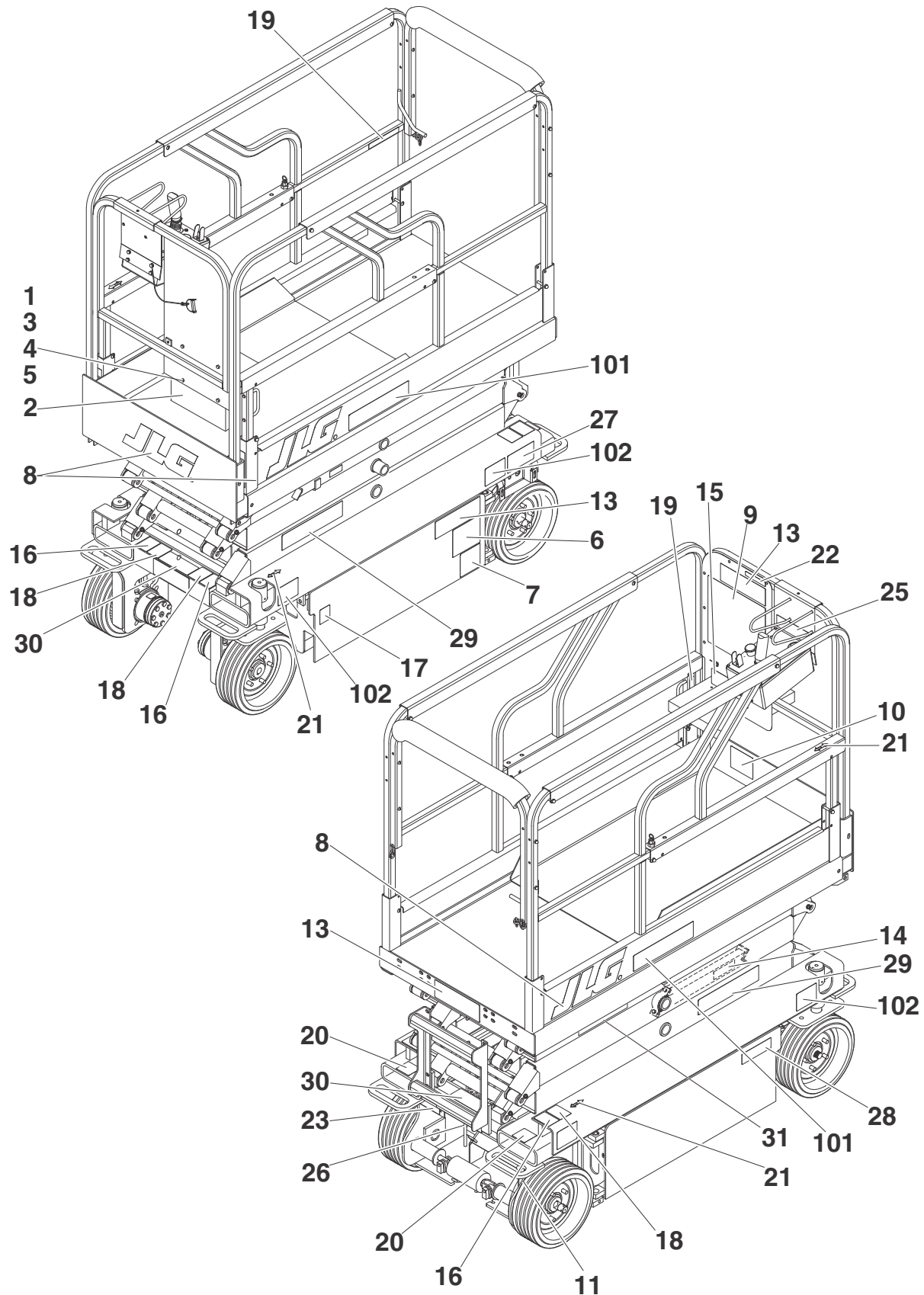
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FIGURE 8-1. DECALS INSTALLATION - 1532E2 & 1932E2 (COMMON) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

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FIGURE 8-2.DECALS INSTALLATION - 1532E2 & 1932E2 (COUNTRY SPEC)



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FIGURE 8-2. DECALS INSTALLATION - 1532E2 & 1932E2 (COUNTRY SPEC)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DECAL INSTALLATION (COUNTRY SPEC)	Ref.	
		1532E2:	Ref.	
	0270550	Brazilian Portuguese	Ref.	5
	0270556	Canadian French	Ref.	5
	0270553	Chinese	Ref.	5
	0270555	Japanese	Ref.	5
	0270551	Korean	Ref.	4
	0270554	Latin American Spanish	Ref.	5
		1932E2:	Ref.	
	0258755	Brazilian Portuguese	Ref.	6
	0270347	Chinese	Ref.	5
	0258747	Canadian French	Ref.	6
	0258746	Japanese	Ref.	7
	0259688	Korean	Ref.	5
	0258745	Latin American Spanish	Ref.	6
1	0641405	Bolt 1/4"-20NC x 5/8"	4	
2	0860520	Box, Manual Storage	1	
3	1060279	Cable, Lanyard	1	
4	3311405	Locknut 1/4"-20NC	4	
5	4751400	Flatwasher 1/4"	4	
6		Decal - Inspection Options:	1	
	1703961	Brazilian Portuguese		
	1703074	Canadian French		
	1704607	Chinese		
	1701621	Japanese		
	1703962	Korean		
	1702552	Latin American Spanish		
7	Not Available	Decal - Bar Code	1	
8	1702773	Decal - JLG (5in)	2	
9		Decal - Danger/Warning Options:	1	
	1703835	Brazilian Portuguese		
	1703867	Canadian French		
	1704616	Chinese		
	1704278	Japanese (Prior to S/N 80167)		
	1704807	Japanese (S/N 80167 to Present)		
	1703859	Korean		
	1703843	Latin American Spanish		
10		Decal - USA Options:	A/R	
	3251813	Brazilian Portuguese/Canadian French/Chinese/ Latin American Spanish (Prior to S/N 111924)	1	
	Not Required	Korean/Japanese	0	
11	Not Available	Nameplate - Serial Number	1	
12	Not Used			
13		Decal - Capacity Options:	3	
	3252588	1532E2		
	1703868	1932E2		

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FIGURE 8-2. DECALS INSTALLATION - 1532E2 & 1932E2 (COUNTRY SPEC) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
14	1701771 1703869	Decal - Safety Prop Options: 1532E2 1932E2	2	
15	Use 1701509 1701509	Decal - Manual Options: Decal (Prior to S/N 102826) (was p/n 1703788) Decal (S/N 102826 to Present)	1	
16	1703811	Decal - Lifting Lug	4	
17	1703812	Decal - Hydraulic Oil	1	
18	1703814	Decal - Tie Down	4	
19	1704277	Decal - Attach Lanyard Here	2	
20	1703817	Decal - Forklift	4	
21	1703819	Decal - Directional Arrow	3	
22	1703829 1703861 1704610 1703845 1703853 1703837	Decal - Control Box Location Options: Brazilian Portuguese Canadian French Chinese Japanese Korean Latin American Spanish	1	
23	1703822	Decal - Manual Descent Instructions	1	
24	Not Used			
25	1703830 1703862 1704615 1704280 1703854 1703895	Decal - Legend Options: Brazilian Portuguese Canadian French Chinese Japanese Korean Latin American Spanish	1	
26	1704142 1704146 1704608 1704144 1704145 1704143	Decal - Towing/Winching/Tow Speed Brazilian Portuguese Canadian French Chinese Japanese Korean Latin American Spanish	1	
27	1703706	Decal - Ground Control Operation	1	
28	1703832 1703864 1704613 1703848 1703856 1703840	Decal - Warning Battery Ventilation Brazilian Portuguese Canadian French Chinese Japanese Korean Latin American Spanish	1	
29	1703833 1703865 1704611 1704282	Decal - Warning Brazilian Portuguese Canadian French Chinese Japanese	2	

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FIGURE 8-2. DECALS INSTALLATION - 1532E2 & 1932E2 (COUNTRY SPEC) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
29 (cont'd)	1703857	Korean		
	1703841	Latin American Spanish		
30		Decal - Danger Electrocutation Hazard	2	
	1704885	Decal		
	1703834	Brazilian Portuguese		
	1703866	Canadian French		
	1704609	Chinese		
	1703850	Japanese		
	1703858	Korean		
	1703842	Latin American Spanish		
31	1704885	Decal - Website	1	

		Decal Kits:	A/R	
	2902069	Kit 1 (Includes Items 13-21, 23, 31) - Brazilian Portuguese 1532E2	1	
	Use 2902070	Kit 1 (Includes Items 13-21, 23, 31) - Brazilian Portuguese 1932E2 (Was 2901737)	1	
	2901738	Kit 2 (Includes Items 22, 25-30) - Brazilian Portuguese	1	
	2902069	Kit 1 (Includes Items 13-21, 23, 31) - Canadian French 1532E2	1	
	Use 2902070	Kit 1 (Includes Items 13-21, 23, 31) - Canadian French 1932E2 (Was 2901745)		
	2901746	Kit 2 (Includes Items 22, 25-30) - Canadian French	1	
	2902069	Kit 1 (Includes Items 13-21, 23, 31) - Chinese 1532E2	1	
	Use 2902070	Kit 1 (Includes Items 13-21, 23, 31) - Chinese 1932E2 (Was 2901935)	1	
	2901934	Kit 2 (Includes Items 22, 25-30) - Chinese	1	
	2902069	Kit 1 (Includes Items 13-21, 23, 31) - Japanese 1532E2 (Was 2901961)	1	
	Use 2902070	Kit 1 (Includes Items 13-21, 23, 31) - Japanese 1932E2 (Was 2901741)	1	
	2901742	Kit 2 (Includes Items 22, 25-30) - Japanese	1	2
	2902069	Kit 1 (Includes Items 13-21, 23, 31) - Korean 1532E2	1	
	Use 2902070	Kit 1 (Includes Items 13-21, 23, 31) - Korean 1932E2 (Was 2901743)	1	
	2901744	Kit 2 (Includes Items 22, 25-30) - Korean	1	
	2902069	Kit 1 (Includes Items 13-21, 23, 31) - Latin American Spanish 1532E2	1	
	Use 2902070	Kit 1 (Includes Items 13-21, 23, 31) - Latin American Spanish 1932E2 (Was 2901739)	1	
	2901740	Kit 2 (Includes Items 22, 25-30) - Latin American Spanish	1	
	Not Available	Decal Kit - 1532E2 (Includes Items 101 & 102)	1	
	2910121	Decal Kit - 1932E2 (Includes Items 101 & 102)	1	

SECTION 8 DECALS

FIGURE 8-2. DECALS INSTALLATION - 1532E2 & 1932E2 (COUNTRY SPEC) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
101		DECAL INSTALLATIONS (VARYING PARTS)	Ref.	
	0250548	1532E2	Ref.	1
	0258316	1932E2	Ref.	2
		Decal - Model Designation	2	
102	3252598	1932E2		
	3252747	1532E2		
	2901849	Decal Kit - Wheel Load	1	
	1703870	Decal - Wheel Load	4	

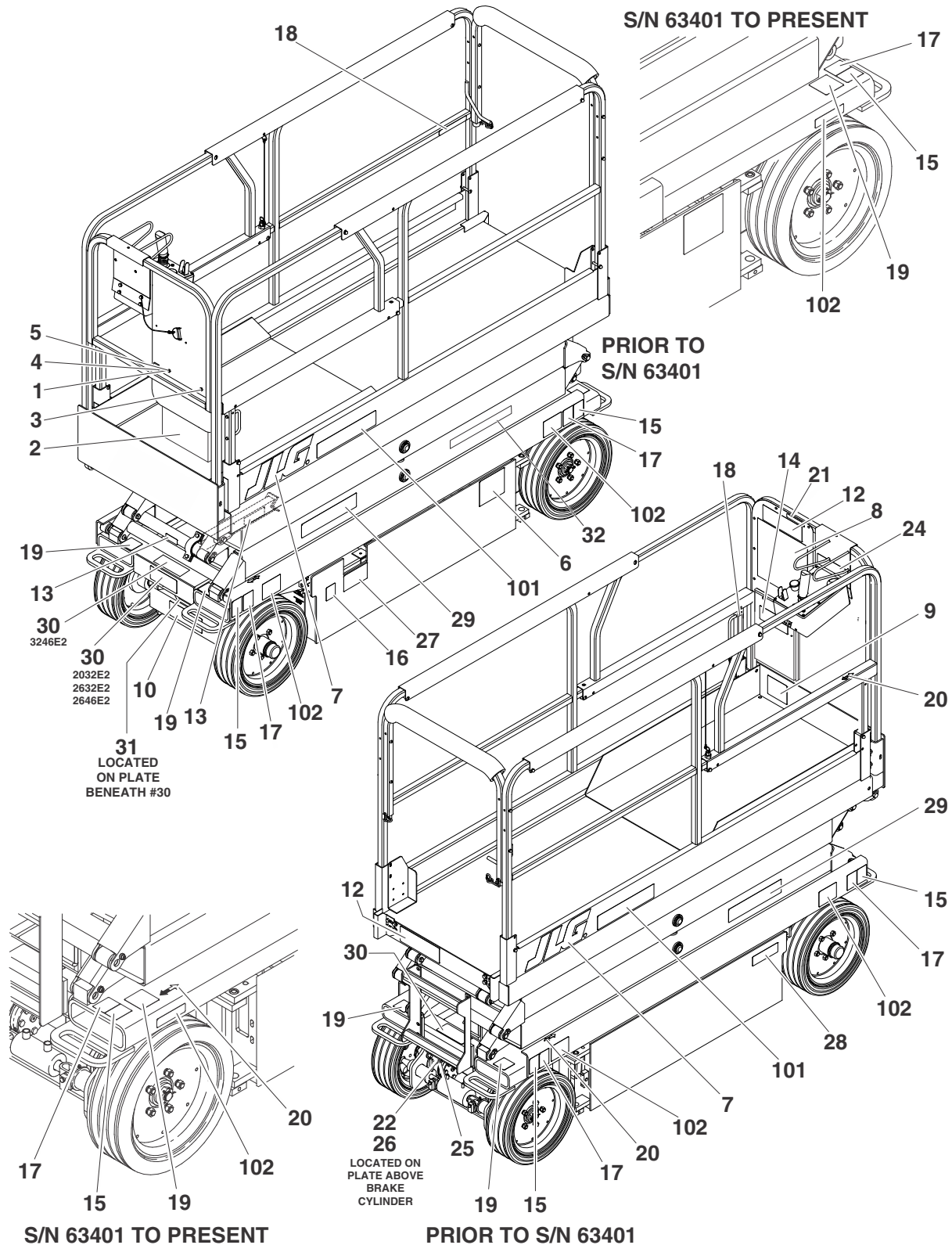
SECTION 8 DECALS

FIGURE 8-2. DECALS INSTALLATION - 1532E2 & 1932E2 (COUNTRY SPEC) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 8 DECALS

FIGURE 8-3.DECALS INSTALLATION - 2032E2/2632E2/2646E2/3246E2 (COMMON)



SECTION 8 DECALS

FIGURE 8-3. DECALS INSTALLATION - 2032E2/2632E2/2646E2/3246E2 (COMMON)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DECAL INSTALLATION (COMMON) OPTIONS:	Ref.	
	0257784	2032E2 & 2646E2	Ref.	11
	0271876	2632E2	Ref.	C
	0259110	3246E2	Ref.	9
1	0641405	Bolt 1/4"-20NC x 5/8"	2	
2	0860520	Box, Manual Storage	1	
3	1060279	Cable, Lanyard	1	
4	3311405	Locknut 1/4"-20NC	4	
5	4751400	Flatwasher 1/4"	4	
6	1702153	Decal - Inspection	1	
7	1702773	Decal - JLG (5in)	2	
8	1703816	Decal - Danger/Warning	1	
9	3251813	Decal - USA (Prior to S/N 111924)	1	
10	Not Available	Nameplate - Serial Number	1	
11	Not Used			
12		Decal - Capacity Options:	3	
	1703694	2032E2 & 2646E2		
	1703868	2632E2		
	1704201	3246E2		
13	1703697	Decal - Safety Prop	2	
14		Decal - Manual Options:	1	
	Use 1701509	Decal for 2032E2 / 2646E2 / 3246E2 (Prior to S/N 102826) (was p/n 1703788)		
	1701509	Decal for 2032E2 / 2646E2 / 3246E2 (S/N 102826 to Present)		
	1701509	Decal for 2632E2		
15	1703811	Decal - Lifting Lug	4	
16	1703812	Decal - Hydraulic Oil	1	
17	1703814	Decal - Tie Down	4	
18	1704277	Decal - Lanyard Attachment	2	
19	1703817	Decal - Forklift	4	
20	1703819	Decal - Directional Arrow	3	
21	1703821	Decal - Control Box Location	1	
22		Decal - Manual Descent Instructions Options:	1	
	1703822	2032E2 & 2646E2		
	Not Required	3246E2		
23	Not Used			
24	1703695	Decal - Legend	1	
25	1703698	Decal - Towing/Winch/Tow Speed	1	
26		Decal - Manual Descent Instructions Options:	1	
	1704420	2032E2 & 2632E2		
	1703703	2646E2 & 3246E2 Prior to S/N 69053		
	1704420	2646E2 & 3246E2 S/N 69053 to Present		
27	1703706	Decal - Ground Control Operation	1	
28	1703813	Decal - Warning Battery Ventilation	1	
29	1703818	Decal - Warning	2	
30	1703823	Decal - Danger Electrocution Hazard	2	

SECTION 8 DECALS

FIGURE 8-3. DECALS INSTALLATION - 2032E2/2632E2/2646E2/3246E2 (COMMON) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
31	Not Available	Decal - Bar Code	1	
32	1704885	Decal, Website	1	

		Decal Kits:	A/R	
		Kit 1 - 2032E2 & 2646E2 Options:	1	
	2901579	(Prior to S/N 99138) (Includes Items 12-22)		
	2902071	(S/N 99138 to Present)		
		(Includes Items 12-20, 22, 32)		
	2901582	Kit 2 - 2032E2 & 2646E2 (Includes Items 24-30)	1	
	2902119	Kit 1 - 2632E2 (Includes Items 12-20, 32)	1	
	2901582	Kit 2 - 2632E2 (Includes Items 24-30)	1	
		Kit 1 - 3246E2 Options:	1	
	2901779	(Prior to S/N99138) (Includes Items 12-21)		
	2902072	(S/N 99138 to Present)		
		(Includes Items 12-20, 32)		
	2901582	Kit 2 - 3246E2 (Includes Items 24-30)	1	
		Decal Kits Complete:	A/R	
	2900987	Kit - 2032E2 & 2646E2 (Includes Items 6-9, 102 Kits 2901579 & 2901582)	1	
		DECAL INSTALLATION OPTIONS (VARYING PARTS):	Ref.	
	0257993	DECAL INSTALLATION - 2032E2	Ref.	4
	0271517	DECAL INSTALLATION - 2632E2	Ref.	2
	0257994	DECAL INSTALLATION - 2646E2	Ref.	4
	0258937	DECAL INSTALLATION - 3246E2	Ref.	3
101		Decal Options:	2	
	3252567	Decal - 2032E2		
	1705013	Decal - 2632E2		
	3252568	Decal - 2646E2		
	3252619	Decal - 3246E2		
102	2901851	Decal Kit - Wheel Load (2032E2)	1	
		Decal - Wheel Load Options:	4	
	Use 1704400	Prior to S/N 63328 (Was p/n 1703820)		
	1704400	S/N 63328 to Present		
	2901705	Decal Kit - Wheel Load (2632E2)	1	
	1704137	Decal - Wheel Load	4	
	2901852	Decal Kit - Wheel Load (2646E2)	1	
		Decal - Wheel Load Options:	4	
	Use 1704402	Prior to S/N 63328 (was p/n 1703824)		
	1704402	S/N 63328 to Present		
	2901853	Decal Kit - Wheel Load (3246E2)	1	
		Decal - Wheel Load Options:	4	
	Use 1704403	Prior to S/N 63328 (Was p/n 1704186)		
	1704403	S/N 63328 to Present		
103	1703464	Decal - AC Power (Not Shown)	1	

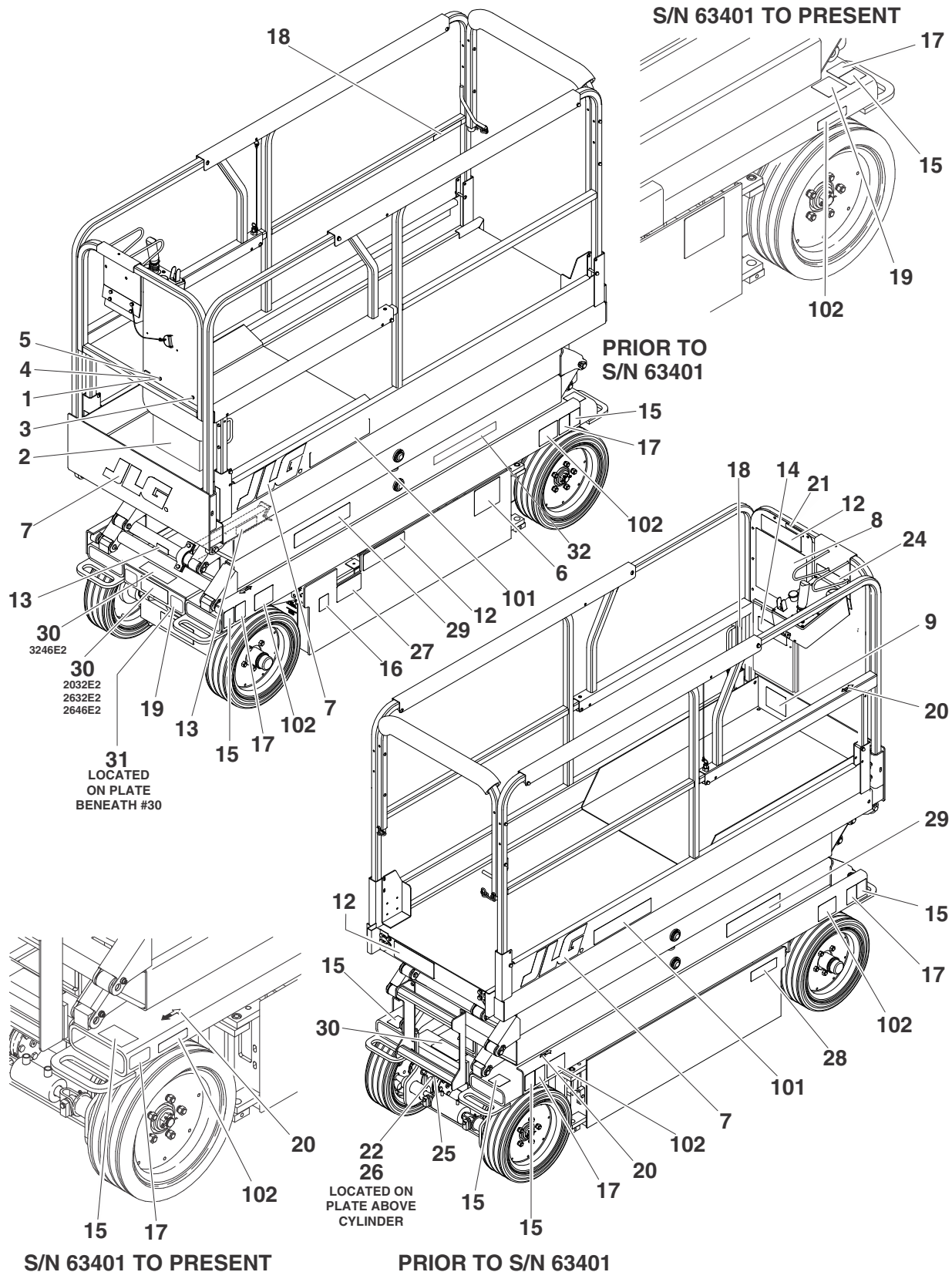
SECTION 8 DECALS

FIGURE 8-3. DECALS INSTALLATION - 2032E2/2632E2/2646E2/3246E2 (COMMON) (CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 8 DECALS

FIGURE 8-4.DECALS INSTALLATION - 2032E2&2632E2&2646E2&3246E2
(COUNTRY SPEC)



SECTION 8 DECALS

FIGURE 8-4. DECALS INSTALLATION - 2032E2&2632E2&2646E2&3246E2 (COUNTRY SPEC)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		DECAL INSTALLATION (COUNTRY SPEC) OPTIONS:	Ref.	
	0257795	Brazilian Portuguese - 2032E2 & 2646E2	Ref.	8
	0271885	Brazilian Portuguese - 2632E2	Ref.	C
	0259121	Brazilian Portuguese - 3246E2	Ref.	8
	0257787	Canadian French - 2032E2 & 2646E2	Ref.	8
	0271890	Canadian French - 2632E2	Ref.	C
	0259113	Canadian French - 3246E2	Ref.	8
	0270348	Chinese - 2032E2 & 2646E2	Ref.	5
	0271887	Chinese - 2632E2	Ref.	C
	0270349	Chinese - 3246E2	Ref.	5
	0257786	Japanese - 2032E2 & 2646E2	Ref.	10
	0271889	Japanese - 2632E2 (Prior to S/N 103545)	Ref.	B
	0259112	Japanese - 3246E2	Ref.	9
	0259687	Korean - 2032E2 & 2646E2	Ref.	6
	0271886	Korean - 2632E2	Ref.	B
	0259691	Korean - 3246E2	Ref.	5
	0257785	Latin American Spanish - 2032E2 & 2646E2	Ref.	8
	0271888	Latin American Spanish - 2632E2	Ref.	B
	0259111	Latin American Spanish - 3246E2	Ref.	7
		NOTE: For Special Specs see Section 10	Ref.	
1	0641405	Bolt 1/4"-20NC x 5/8"	4	
2	0860520	Box, Manual Storage	1	
3	1060279	Cable, Lanyard	1	
4	3311405	Locknut 1/4"-20NC	4	
5	4751400	Flatwasher 1/4"	4	
6		Decal - Inspection Options:	1	
	1703961	Brazilian Portuguese		
	1703867	Canadian French - 2032E2 & 2646E2		
	1703074	Canadian French - 2632E2 & 3246E2		
	1704607	Chinese		
	1701621	Japanese (Prior to S/N 103545)		
	1703962	Korean		
	1702552	Latin American Spanish		
7	1702773	Decal - JLG (5in)	2	
8		Decal - Danger/Warning Options:	1	
	1703835	Brazilian Portuguese		
	1703074	Canadian French - 2032E2 & 2646E2		
	1703867	Canadian French - 2632E2 & 3246E2		
	1704616	Chinese		
	1704807	Japanese (Prior to S/N 103545)		
	1703859	Korean		
	1703843	Latin American Spanish		
9		Decal - USA Options:	A/R	
	3251813	Brazilian Portuguese/Canadian French/Chinese/ Korean/Latin American Spanish (Prior to S/N 111924)	1	
	Not Required	Japanese	0	

SECTION 8 DECALS

**FIGURE 8-4. DECALS INSTALLATION - 2032E2&2632E2&2646E2&3246E2 (COUNTRY SPEC)
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
10	Not Available			
11	Not Used			
12		Decal - Capacity Options:	3	
	1703694	2032E2 & 2646E2 Brazilian Portuguese/Canadian French/Chinese/Korean/Latin American Spanish		
	1704283	2032E2 & 2646E2 Japanese (Prior to S/N 103545)		
	1703868	2632E2		
	1704201	3246E2		
13		Decal - Safety Prop Options:	2	
	1703697	2032E2/ 2632E2 & 2646E2		
	1704284	3246E2 / (2632E2 Japanese Spec Only)		
14		Decal - Manual Options:	1	
	Use 1701509	Decal for 2032E2 / 2646E2 / 3246E2 (Prior to S/N 102826) (was p/n 1703788)		
	1701509	Decal for 2032E2 / 2646E2 / 3246E2 (S/N 102826 to Present)		
	1701509	Decal for 2632E2		
15	1703811	Decal - Lifting Lug	4	
16	1703812	Decal - Hydraulic Oil	1	
17	1703814	Decal - Tie Down	4	
18	1704277	Decal - Attach Lanyard Here	2	
19	1703817	Decal - Forklift	4	
20	1703819	Decal - Directional Arrow	3	
21		Decal - Control Box Location Options:	1	
	1703829	Brazilian Portuguese		
	1703861	Canadian French		
	1704610	Chinese		
	1703845	Japanese (Prior to S/N 103545)		
	1703853	Korean		
	1703837	Latin American Spanish		
22	1703822	Decal - Manual Descent Instructions (2032E2 / 2646E2 Only)	1	
23	Not Used			
24		Decal - Legend Options:	1	
	1703830	Brazilian Portuguese		
	1703862	Canadian French		
	1704615	Chinese		
	1704280	Japanese (Prior to S/N 103545)		
	1703854	Korean		
	1703838	Latin American Spanish		
25		Decal - Towing/Winching/Tow Speed Options:	1	
	1703831	Brazilian Portuguese		
	1703863	Canadian French		
	1704614	Chinese		
	1704281	Japanese (Prior to S/N 103545)		
	1703855	Korean		
	1703839	Latin American Spanish		

SECTION 8 DECALS

**FIGURE 8-4. DECALS INSTALLATION - 2032E2&2632E2&2646E2&3246E2 (COUNTRY SPEC)
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
26		Decal - Manual Descent Instructions Options:	1	
	1704420	2032E2		
	1703703	2646E2 & 3246E2 Prior to S/N 69053		
	1704420	2646E2 & 2632E2 & 3246E2 S/N 69053 to Present		
27	1703706	Decal - Ground Control Operation	1	
28		Decal - Warning Battery Ventilation	1	
	1703832	Brazilian Portuguese		
	1703864	Canadian French		
	1704613	Chinese		
	1703848	Japanese (Prior to S/N 103545)		
	1703856	Korean		
	1703840	Latin American Spanish		
29		Decal - Warning Options:	2	
	1703833	Brazilian Portuguese		
	1703865	Canadian French		
	1704611	Chinese		
	1704282	Japanese (Prior to S/N 103545)		
	1703857	Korean		
	1703841	Latin American Spanish		
30		Decal - Danger Electrocution Hazard	2	
	1703834	Brazilian Portuguese		
	1703866	Canadian French		
	1704609	Chinese		
	1703850	Japanese (Prior to S/N 103545)		
	1703858	Korean		
	1703842	Latin American Spanish		
31	Not Available	Decal - Bar Code	1	
32	1704885	Decal - Website		

		Decal Kits:	A/R	
	Use 2902071	Brazilian Portuguese Kit 1 - 2032E2 & 2646E2 (Includes Items 12-22, 32) (Was 2901585)	1	
	Use 2902119	Brazilian Portuguese Kit 1 - 2632E2 (Includes Items 12-21, 32) (Was 2902116)	1	
	Use 2902072	Brazilian Portuguese Kit 1 - 3246E2 (Includes Items 12-21, 32) (Was 2901790)	1	
	2901586	Brazilian Portuguese Kit 2 (Includes Items 21, 24-30)	1	
	Use 2902071	Canadian French Kit 1 - 2032E2 & 2646E2 (Includes Items 12-22, 32) (Was 2901593)	1	
	Use 2902119	Canadian French Kit 1 - 2632E2 (Includes Items 12-21, 32) (Was 2902122)	1	
	Use 2902072	Canadian French Kit 1 - 3246E2 (Includes Items 12-21, 32) (Was 2901782)	1	
	2901594	Canadian French Kit 2 (Includes Items 21, 24-30)	1	
	Use 2902071	Chinese Kit 1 - 2032E2 & 2646E2 (Includes Items 12-22, 32) (Was 2901936)	1	
	2902119	Chinese Kit 1 - 2632E2 (Includes Items 12-21, 32)	1	

SECTION 8 DECALS

**FIGURE 8-4. DECALS INSTALLATION - 2032E2&2632E2&2646E2&3246E2 (COUNTRY SPEC)
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
101	Use 2902072	Chinese Kit 1 - 3246E2 (Includes Items 12-21, 32) (Was 2901937)	1	
	2901933	Chinese Kit 2 (Includes Items 21, 24-30)	1	
	Use 2902071	Japanese Kit 1 - 2032E2 & 2646E2 (Includes Items 12-22, 32) (Was 2901589)	1	
	Use 2902119	Japanese Kit 1 - 2632E2 (Includes Items 12-21, 32) (Was 2902121)	1	
	Use 2902072	Japanese Kit 1 - 3246E2 (Includes Items 12-21, 32) (Was 2901781)	1	
	2901590	Japanese Kit 2 (Includes Items 21, 24-30)	1	
	Use 2902071	Korean Kit 1 - 2032E2 & 2646E2 (Includes Items 12-22, 32) (Was 2901591)	1	
	Use 2902119	Korean Kit 1 - 2632E2 (Includes Items 12-21, 32) (Was 2902117)	1	
	Use 2902072	Korean Kit 1 - 3246E2 (Includes Items 12-21, 32) (Was 2901878)	1	
	2901592	Korean Kit 2 (Includes Items 21, 24-30)	1	
	Use 2902071	Latin American Spanish Kit 1- 2032E2 & 2646E2 (Includes Items 12-22, 32) (Was 2901587)	1	
	Use 2902119	Latin American Spanish Kit 1 - 2632E2 (Includes Items 12-21, 32) (Was 2902120)	1	
	Use 2902072	Latin American Spanish Kit 1 - 3246E2 (Includes Items 12-21, 32) (Was 2901780)	1	
	2901588	Latin American Spanish Kit 2 Options: (Includes Items 24-30, 32)	1	
		Decal Kits Complete:	A/R	
	2910056	Brazilian Portuguese - 2032E2 & 2646E2 (Includes Kits 2901585 & 2901586)	1	
	2910071	Canadian French - 2032E2 & 2646E2 (Includes Kits 2901593 & 2901594)	1	
	2910158	Japanese Kit - 2032E2 & 2646E2 (Includes Kits 2901589 & 2901590)	1	
	2910070	Latin American Spanish - 2032E2 & 2646E2 (Includes Kits 2901587 & 2901588)	1	
		DECAL INSTALLATION OPTIONS (VARYING PARTS):	Ref.	
	0257993	DECAL INSTALLATION - 2032E2	Ref.	4
	0271517	DECAL INSTALLATION - 2632E2	Ref.	2
	0257994	DECAL INSTALLATION - 2646E2	Ref.	4
	0258937	DECAL INSTALLATION - 3246E2	Ref.	3
		Decal Options:	2	
	3252567	Decal - 2032E2		
	1705013	Decal - 2632E2		
	3252568	Decal - 2646E2		
	3252619	Decal - 3246E2		
102	2901850	Decal Kit - Wheel Load (2032E2)	1	
		Decal - Wheel Load Options:	4	
	Use 1704400	Prior to S/N 63328 (Was p/n 1703820)		

SECTION 8 DECALS

**FIGURE 8-4. DECALS INSTALLATION - 2032E2&2632E2&2646E2&3246E2 (COUNTRY SPEC)
(CONTINUED)**

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
102 (cont'd)	1704400	S/N 63328 to Present		
	2901705	Decal Kit - Wheel Load (2632E2)	1	
	2901852	Decal Kit - Wheel Load (2646E2)	1	
		Decal - Wheel Load Options:	4	
	Use 1704402	Prior to S/N 63328 (Was p/n 1703824)		
	1704402	S/N 63328 to Present		
	2901853	Decal Kit - Wheel Load (3246E2)	1	
		Decal - Wheel Load Options:	4	
	Use 1704403	Prior to S/N 63328 (Was p/n 1704186)		
	1704403	S/N 63328 to Present		
103	1703464	Decal - AC Power (Not Shown)	1	

SECTION 8 DECALS

FIGURE 8-4. DECALS INSTALLATION - 2032E2&2632E2&2646E2&3246E2 (COUNTRY SPEC)
(CONTINUED)

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.

SECTION 9 RECOMMENDED SERVICE PARTS STOCK

MODELS 1932E2/2032E2/2646E2/3246E2

The following list will service fleets of machines (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.

JLG PART NUMBER	DESCRIPTION	QTY PER FLEET		
		1-4	5-9	10 OR MORE
Ref.	STANDARD PARTS			
1340052	Breather (Figure 2-1 & 2-2)	1	1	1
2120072	Element, Filter (Figure 2-1 & 2-2)	4	8	12
7010944	Coupling Kit (Figure 2-1 & 2-2)	1	1	1
7022522	Coil, Valve Cartridge (Figure 2-3)	1	1	1
7018917	Coil, Drive Valve (Figures 2-3 & 2-4)	1	1	1
7016352	Coil, Valve Cartridge (Figure 2-4)	1	1	1
3740131	Contactor (Figure 2-5 & 2-6)	1	1	1
4360112	Breaker, Circuit (Figure 2-5 & 2-6)	1	1	1
4360475	Switch, Mushroom (Figures 2-5, 2-6, 4-8 & 4-9)	1	1	1
2860030	Key, Replacement (Figure 2-5 & 2-6)	1	1	1
4360328	Switch, Toggle (Figures 2-5, 2-6 & 4-8)	1	1	1
7011509	Breaker, DC Circuit - Battery Charger (Figure 2-8)	1	1	1
7020501	Switch, Push Button (Figure 4-10 & 4-11)	1	1	1
7017444	Coil (Figure 5-2, 5-3, 5-4 & 5-5)	1	1	1
3990010	Diode (Figure 7-3 & 7-4)	2	2	2
Ref.	VARIABLE PARTS			
4360487	Switch, Tilt (1532E2/1932E2/2032E2-Optional) (Figure 1-7)	1	1	1
4360348	Switch, Tilt (2646E2 - Optional) (Figure 1-7)	1	1	1
4360349	Switch, Tilt (3246E2 with Standard Controls - Optional) (Figure 1-7)	1	1	1
4360435	Switch, Tilt (3246E2 with Proportional Controls - Optional) (Figure 1-7)	1	1	1
4360348	Switch, Tilt (All Japanese Spec Machines) (Figure 1-7)	1	1	1
4360401	Switch, Limit (1532E2/1932E2/3246E2) (Figure 1-7)	1	1	1
4360437	Switch, Limit (Japanese Spec Machines) (Figure 1-7)	1	1	1
7012785	Coil (Proportional Controls Machines) (Figure 2-4)	1	1	1
2400041	Fuse (Standard Controls Machines) (Figure 2-5)	1	1	1
0610125	PC Board (Standard Controls Machines) (Figure 2-5)	1	1	1
1600289	Controller (Proportional Controls Machines) (Figure 2-6)	1	1	1
3740129	Relay (Standard Controls Machines) (Figure 2-5)	1	1	1
3740069	Relay (Japanese Spec Machines) (Figure 2-5)	1	1	1
3740069	Relay (Proportional Controls Machines) (Figure 2-6)	1	1	1
4360471	Switch, Key (Standard Controls Machines) (Figure 2-5)	1	1	1
4360469	Switch, Key (Proportional Controls Machines) (Figure 2-6)	1	1	1
7018564	Relay, Battery Charger (ANSI Spec) (Figure 2-8)	1	1	1
7018506	Relay, Battery Charger (Japanese Spec) (Figure 2-8)	1	1	1
7018514	Breaker, AC Circuit - Battery Charger (ANSI Spec) (Fig 2-8)	1	1	1
7018597	Breaker, AC Circuit-Batt. Charger (Japanese Spec) (Fig 2-8)	1	1	1
7018578	Card, Circuit - Battery Charger (ANSI Spec) (Figure 2-8)	1	1	1

SECTION 9 RECOMMENDED SERVICE PARTS

MODELS 1932E2/2032E2/2646E2/3246E2

The following list will service fleets of machines (built to current production per date on the front cover) with emergency repair parts which can be installed in the field. Parts from the list should be replaced when inventory is depleted to keep service parts stock supplied. For further information, contact your JLG dealer or the JLG Industries Parts Department.

JLG PART NUMBER	DESCRIPTION	QTY PER FLEET		
		1-4	5-9	10 OR MORE
7018598	Card, Circuit - Battery Charger (Japanese Spec) (Fig 2-8)	1	1	1
4360456	Switch, Limit (Figure 2-9)	1	1	1
4360548	Switch, Limit (Figure 3-1, 3-2, 3-3,3-4, 3-5 & 3-6)	1	1	1
1600295	Controller, Drive (Standard Controls Machines) (Fig 4-8)	1	1	1
1600282	Controller, Drive (Proportional Controls Machines) (Fig 4-9)	1	1	1
4360267	Contact, Switch (Standard Controls Machines) (Figure 4-8)	1	1	1
4360339	Switch, Enable (Standard Controls Machines) (Figure 4-8)	1	1	1
4360336	Switch, Toggle (Standard Controls Machines) (Figure 4-8)	1	1	1
0610149	Module, Logic (Standard Controls Machines) (Figure 4-8)	1	1	1
0610123	Board, PC (Proportional Controls Machines) (Figure 4-9)	1	1	1
4360453	Switch, Keypad with Tilt Light (Proportional Controls Machines) (Figure 4-9)	1	1	1
4360454	Switch, Keypad without Tilt Light (Proportional Controls Machines) (Figure 4-9)	1	1	1
4360387	Switch, Horn Push Button (Optional) (Figure 4-8 & 4-9)	1	1	1
7020500	Switch, Rocker (Standard Controls Machines) (Figure 4-10)	1	1	1
7011992	Switch, Rocker (Proportional Controls Machines) (Fig 4-11)	1	1	1
7020523	Electrical Assembly - Controller (Standard Controls Machines) (Figure 4-10)	1	1	1
7020508	Electrical Assembly - Controller (Proportional Controls Machines) (Figure 4-11)	1	1	1
7020510	Potentiometer (Proportional Controls Machines) (Fig 4-11)	1	1	1

SECTION 10 SPECIAL OPTIONS

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.

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		MISCELLANEOUS SPECIAL OPTIONS	Ref.	
	0256789	CAMERA MOUNT ASSEMBLY	Ref.	
		DECAL INSTALLATIONS	Ref.	
		CSA Decal Installation Options:	Ref.	
	0258682	Prior to S/N 103762	1	
	3252191	Nameplate - CSA		
	0272220	S/N 103762 to Present		
	1705303	Decal - CSA		
		Hertz Decal Installation	Ref.	
	0273248	1532E2 & 1932E2	Ref.	
	0273247	2032E2/2646E2 & 3246E2	Ref.	
		Home Depot Decal Installation	Ref.	
	0272683	1932E2	Ref.	
	0272684	2646E2	Ref.	
	0273373	Nations Rent Decal Installation	Ref.	
	0270561/0270549	Nikken Spec Decal Installation - 1532E2	Ref.	
	2901962	Nikken Standard Decal Kit	1	
	Not Available	Nikken Control Box Decal Kit	1	
	0272177/0272178	Nikken Spec Decal Installation - 1932E2	Ref.	
	2902145	Nikken Standard Decal Kit	1	
	Not Available	Nikken Control Box Decal Kit	0	
	0259347/0259342	Nikken Spec Decal Installation - 2032E2 & 2646E2 & 3246E2	Ref.	
	2901835	Nikken Standard Decal Kit	1	
	2901836	Nikken Control Box Decal Kit	1	
	0259347/0271249	NikkenSpec Door Stop Installation - 2032E2 & 2646E2 & 3246E2	Ref.	
	0271115	Sunbelt Decal Installation	Ref.	
		United Rentals Decal Installation	Ref.	
	0271903	1532E2/1932E2/2032E2/2632E2	Ref.	
	0271902	2646E2/3246E2	Ref.	
		ELECTRICAL BOX COVER INSTALLATIONS (NIKKEN SPEC)	Ref.	
	0270587	1532E2/1932E2	Ref.	
	0259345	2032E2/2646E2/3246E2	Ref.	

SECTION 10 SPECIAL OPTIONS

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.

SECTION 10 SPECIAL OPTIONS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		ELECTRICAL CONNECTOR KITS	Ref.	
	1001148902	Amp Connector Kit	Ref.	
	1001148903	Deutsch DT Connector Kit	Ref.	
	1001148904	Deutsch HD Connector Kit	Ref.	
	1001148905	Packard Connector Kit	Ref.	
	1001148906	Various Connector Kit	Ref.	
		FILTER KITS	Ref.	
	2910468	Hydraulic/Air	1	
		HYDRAULIC FLUIDS	Ref.	
	2300014	Mobil 424	Ref.	
	2300016	Mobil DTE 13M	Ref.	
		INVERTER INSTALLATIONS (110V 800WATT)	Ref.	
	Not Available	1532E2	Ref.	
	0258972	1932E2	Ref.	
	0257970	2032E2/2646E2/3246E2	Ref.	
	0271935	2632E2	Ref.	
	7023336	Kit, Circuit Card	1	
		INVERTER KITS (110V 800WATT)	Ref.	
	2902478	1532E2/1932E2	Ref.	
	2902508	2032E2/2646E2/3246E2	Ref.	
	2460042	Inverter	1	
		Harness, Wiring Options:	1	
	4922842	1532E2/1932E2		
	4923408	2032E2/2646E2/3246E2		
		Harness, Inverter Switch Options:	1	
	4923370	1532E2/1932E2		
	4923412	2032E2/2646E2/3246E2		
	0257977	KEY LANYARD INSTALLATION	Ref.	
	0259344	LITERATURE PACK INSTALLATION (NIKKEN SPEC)	Ref.	

SECTION 10 SPECIAL OPTIONS

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

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		NIKKEN E2 SPECIAL PARTS KIT (WITH DECALS)	Ref.	
	0270549	1532E2	Ref.	
	0272177	1932E2	Ref.	
	0259347	2032E2	Ref.	
	0272246	2646E2	Ref.	
	0272247	3246E2	Ref.	
		NIKKEN E2 SPECIAL PARTS KIT (WITHOUT DECALS)	Ref.	
	0272248	1532E2/1932E2	Ref.	
	0272250	2032E2	Ref.	
	0272249	2646E2/3246E2	Ref.	
		OVERLOAD PROTECTION PRESSURE SWITCH INSTALLATION (JAPANESE SPEC)	Ref.	
		Note: Located on Lift Cylinder Port Block	Ref.	
	0258733	1532E2 & 1932E2	Ref.	
	0257976	2032E2	Ref.	
	0258651	2646E2 & 3246E2	Ref.	
		Switch, Pressure Options:	1	
	1692617	Prior to S/N 90188		
	4360494	S/N 90188 to Present		
	0272506	PIPE RACK ASSEMBLY (1932E2/2032E2)	Ref.	
		PLATFORM CONSOLE BOX WITH FOOTSWITCH OPTIONS (SPECIAL SPEC ONLY)	Ref.	
	0258465	Japanese Spec Without Battery Discharge Indicator	Ref.	
	0258461	Japanese Spec With Battery Discharge Indicator	Ref.	
	0258113	Japanese Spec With Battery Discharge Indicator	Ref.	
	0271328	Nikken/Taiyo Spec With Battery Discharge Indicator	Ref.	
	0259630/0259522	PLATFORM CONSOLE BOX COVER I NSTALLATION (TAIYO KENKI SPEC ONLY)	Ref.	
	4846082	Cover, Console	1	
	4060943	Window, Polycarbonate	1	
		PLATFORM WITH D-RINGS INSTALLATIONS (GM/HERTZ SPECS)	Ref.	
	Not Available	1532E2	Ref.	
	0259333	1932E2	Ref.	
	0258773	2032E2	Ref.	
	0259334	2646E2	Ref.	
	0270589	3246E2 (S/N 85151 to Present)	Ref.	
	3760321	D-Ring	2	
		PLATFORM FOLD DOWN RAILS WITH FRONT & REAR DOORS & LADDERS INSTALLATION	Ref.	
	9984055	3246E2 (S/N 100926 Only)	1	

SECTION 10 SPECIAL OPTIONS

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.

SECTION 10 SPECIAL OPTIONS

FIG & ITEM #	PART NUMBER	DESCRIPTION	QTY.	REV.
		PLATFORM HANDRAILS AUTOLOCK KIT - 2032E2 & 2646E2	Ref.	
	2901766	Fixed Rails	Ref.	
	2901767	Folddown Rails	Ref.	
	0257975	PRESSURE CHECKS INSTALLATION (JAPANESE SPEC WITH STANDARD CONTROLS)	Ref.	
	0258154	PRESSURE CHECKS INSTALLATION (JAPANESE SPEC WITH PROPORTIONAL CONTROLS)	Ref.	
	0257946	PLATFORM RAIL SPACERS INSTALLATION - 2032E2 (CALIFORNIA SPEC)	Ref.	
		SPEED SWITCH INSTALLATION (JAPANESE TAIYO SPEC)	Ref.	
	0270380	2032E2 (Mounted on Center Left Side of Frame)	Ref.	
	0270393	2646E2 (Mounted on Center Right Side of Frame)	Ref.	
		Switch, Limit Options:	1	
	4360401	2032E2		
	4360437	2646E2		
		Bracket, Mounting Options:	1	
	0902666	2032E2		
	0902537	2646E2		
		Cover, Bracket Options:	1	
	Not Required	2032E2		
	0902632	2646E2		
		TOOLS FOR SERVICE	Ref.	
	7002821	Crimper (For Wire to Pin/Socket Connections)	1	
	7002823	Extractor (For Removal of Pin/Socket from Connectors)	1	
	4460467	Extractor, Pin (Blue 16-18 Gauge) (For Removal of Pin/Socket from Connectors)	1	
	4460510	Extractor, Pin (Yellow 12-14 Gauge) (For Removal of Pin/Socket from Connectors)	1	
	7002828	Stripper, Wire	1	
		TRAY LANYARD INSTALLATIONS	Ref.	
	0272171	1532E2/1932E2	Ref.	
	0272218	2032E2	Ref.	
	0272219	2646E2/3246E2	Ref.	
		WELDER, 12-40 VOLT MIG (S/N 105296 to Present)	Ref.	
	0273501	2032E2	A	
	0272149	2632E2 / 2646E2	D	
	0272091	3246E2	1	

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0100019	1-3	0200575	3-19	0257659	2-7	0257871	2-27
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