

SECTION 6 PARTS LIST

GENERAL

The information contained in this section is designed to aid the user in locating and identifying replacement parts. Component parts of various assemblies and sub-assemblies comprising the work platform are illustrated and accompanied by a descriptive parts list. Exploded drawings are used to show relative location of component parts in disassembly order. If a part cannot be found in this section, order by work platform model number and serial number, giving a complete description of the part.

PARTS ORDERING INFORMATION

When ordering replacement parts, the complete part number and description should be used to ensure proper identification and delivery of the desired item. This complete identification should also be used when requesting equipment information.

METHOD OF LISTING

Parts are listed in order according to the reference number shown in the illustration, followed by a full description based upon the "NOUN FIRST" method. That is, the noun name of the part is listed first, then the modifying description information which serves to specifically identify the item. For example: PIN, Clevis. Assemblies or groups are shown at the beginning of a parts list and are identified with the letter references A, B, C, etc. Individual parts in these lists have corresponding letters after their description to identify which assembly or group it is used in. Individual parts without identifying

letters are used in all the assemblies or group shown at the beginning of the parts list. Descriptions preceded with an (•) indicates a serviceable component or attaching hardware for the higher level assembly.

QUANTITIES (Units per Assy.)

The quantities of each part that are required to complete the assembly. If quantity is (AR), it is understood that the quantity may vary when machine is equipped with certain options. Order quantity as needed.

HARDWARE

Standard screws, washers, nuts, etc. are not identified by a reference number. These parts are known as COMMON HARDWARE items and appear indented under the major items with which they are used. They should be ordered separately as listed, since they are not component parts of the pieces they attach to.

HOW TO ORDER REPAIR PARTS

1. Address all orders to your local SKYJACK dealer.
2. Specify model and serial number of the work platform (found on the serial number plate).
3. List the quantity needed.
4. List the length needed (if bulk item).
5. List the part number and description as shown in this manual for each item.
6. Show billing and shipping address and name of individual if possible.
7. Suggest best routing.

CUSTOMER _____

DEALER _____

MODEL NUMBER _____

SERIAL NUMBER _____

DATE PURCHASED _____

Use Only Skyjack Authorized Replacement Parts!

LIST OF ILLUSTRATIONS

Description

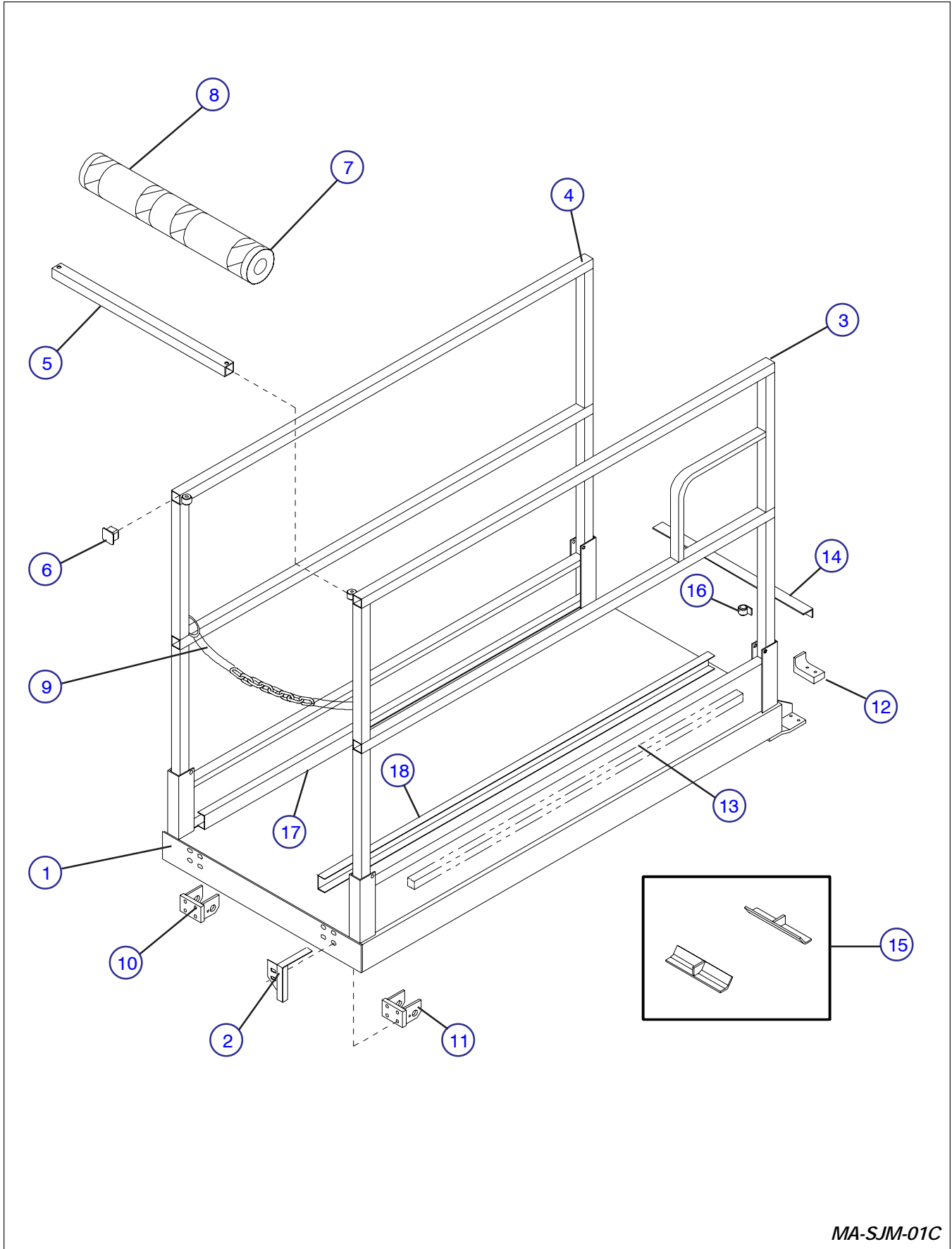
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FIGURE 6-1. MAIN PLATFORM AND RIGID RAILINGS

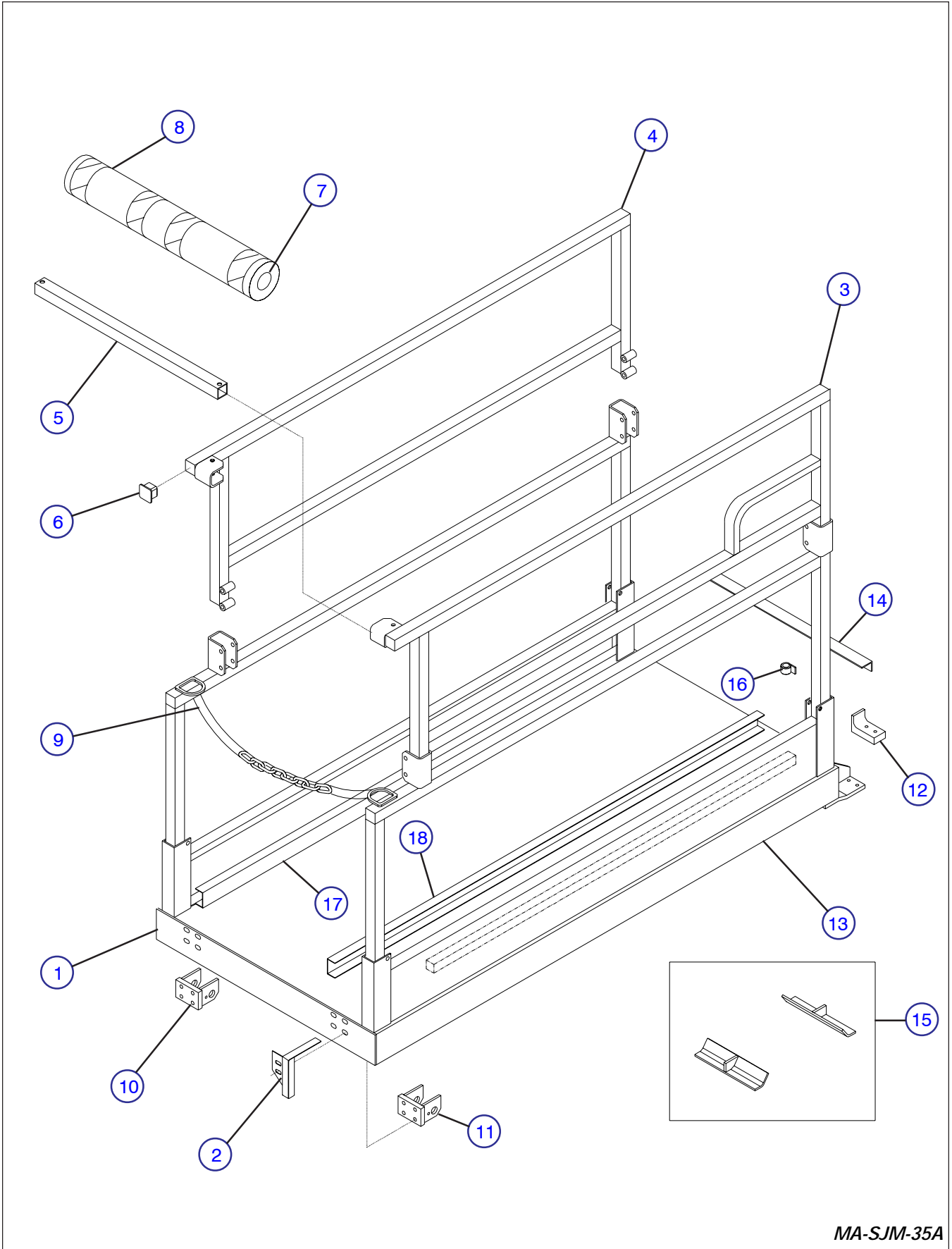


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FIGURE 6-1. MAIN PLATFORM AND RIGID RAILINGS

Index No.	Skyjack Part No.	Description	Units per Assy.
A	(Ref.)	MAIN PLATFORM AND RIGID RAILINGS - Model 3015	-
B	(Ref.)	MAIN PLATFORM AND RIGID RAILINGS - Model 3219	-
1	107861	• WELDMENT, Main platform, A (Machines with manual extension platform)	1
	109687	• WELDMENT, Main platform, A (Machines with powered extension platform)	1
	112878	• WELDMENT, Main platform, A (Machines with scissor guard option)	1
	109530	• WELDMENT, Main platform, B (Machines with manual extension platform)	1
	111888	• WELDMENT, Main platform, B (Machines with powered extension platform)	1
	112879	• WELDMENT, Main platform, B (Machines with scissor guard option)	1
2	108735	• COVER, Cable protection (Replaces 104634)	
	300437	• • BOLT, Hex-hd 3/8-16 x 7/8" lg.	4
	103999	• • WASHER, Lock 3/8"	4
	103472	• • WASHER, Flat 3/8"	4
	103978	• • NUT, 3/8-16	4
3	107865	• RAILING, Side RH, A	1
	110740	• RAILING, Side RH, B	1
4	107864	• RAILING, Side LH, A	1
	110741	• RAILING, Side LH, B	1
5	106520	• RAILING, Entry top	1
	103845	• • BOLT, Hex-hd 5/16-18 x 1/2" lg.	2
	103404	• • WASHER, Lock 5/16"	2
	103996	• • WASHER, Flat 5/16"	2
6	100702	• CAP, Tube end	2
7	104183	• PAD, Foam 25-1/4"	1
8	102975	• STRIPE, Warning	AR
9	106893	• CHAIN ASSEMBLY, Entry	1
	100297	• • LINK, Attaching	1
	106896	• • CHAIN, 25-1/2" lg.	1
	100493	• • LATCH, Chain snap	1
11	310014	• BRACKET, Scissor mount (Replaces 107971, 109478 and 109477)	1
	300437	• • BOLT, Hex-hd 3/8-16 x 7/8" lg.	6
	103999	• • WASHER, Lock 3/8"	6
	103472	• • WASHER, Flat 3/8"	6
12	103543	• PAD, Platform slide	2
	103856	• • BOLT, Hex-hd 1/4-20 x 3/4" lg.	4
	104000	• • WASHER, Lock 1/4"	4
13	104127	• COVER, Cable protection (Model 3015 with Serial Number 18538 and Below) (Model 3219 with Serial Number 220623 and Below)	1
14	108773	• ANGLE, Platform slider 22" lg.	1
15	112882	• LOCATOR, Scissor guard (Machines with scissor guard option)	2
16	103024	• CLIP, Control cable #G8	1
17	310032	• GUARD, Cable LH (option)	1
18	310031	• GUARD, Cable RH (3015 with serial number 18539 and above) (3219 with serial number 220624 and above)	1

FIGURE 6-2. MAIN PLATFORM AND HINGED RAILINGS

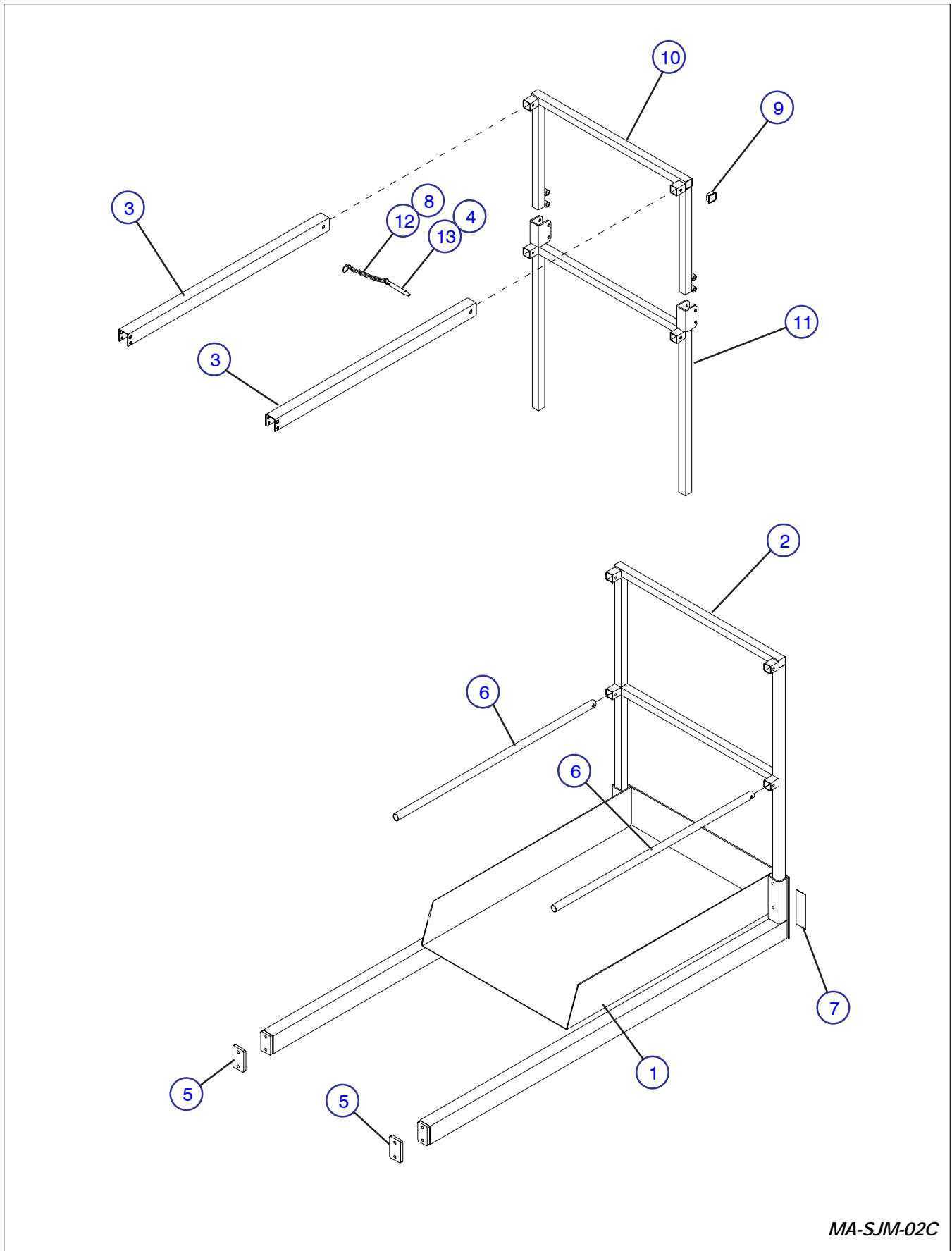


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FIGURE 6-2. MAIN PLATFORM AND HINGED RAILINGS

Index No.	Skyjack Part No.	Description	Units per Assy.
A	(Ref.)	MAIN PLATFORM & HINGED RAILINGS - Model 3015	-
B	(Ref.)	MAIN PLATFORM & HINGED RAILINGS - Model 3219	-
1	107861	• WELDMENT, Main platform, A (Machines with manual extension platform)	1
	109687	• WELDMENT, Main platform, A (Machines with powered extension platform)	1
	112878	• WELDMENT, Main platform, A (Machines with scissor guard option)	1
	109530	• WELDMENT, Main platform, B (Machines with manual extension platform)	1
	111888	• WELDMENT, Main platform, B (machines with powered extension platform)	1
	112879	• WELDMENT, Main platform, B (Machines with scissor guard option)	1
2	108735	• COVER, Cable protection (Replaces 104634)	1
	300437	• • BOLT, Hex-hd 3/8-16 x 7/8" lg.	2
	103999	• • WASHER, Lock 3/8"	2
	103472	• • WASHER, Flat 3/8"	2
	103978	• • NUT, 3/8-16	2
3	111812	• RAILING, Hinged side top RH	1
	111817	• RAILING, Hinged side bottom RH	1
4	111815	• RAILING, Hinged side top LH	1
	111818	• RAILING, Hinged side bottom LH	1
5	111821	• RAILING, Entry top	1
	103845	• • BOLT, Hex-hd 5/16-18 x 1/2" lg.	2
	103404	• • WASHER, Lock 5/16"	2
	103996	• • WASHER, Flat 5/16"	2
6	100702	• CAP, Tube end	2
7	104183	• PAD, Foam 25-1/4"	1
8	102975	• STRIPE, Warning	AR
9	106893	• CHAIN ASSEMBLY, Entry	1
	100297	• • LINK, Attaching	1
	103896	• • CHAIN, 25-1/2" lg.	1
	100493	• • LATCH, Chain snap	1
10	310014	• BRACKET, Scissor mount (Replaces 107971,109478 and 109477)	1
	300437	• • BOLT, Hex-hd 3/8-16 x 7/8" lg.	6
	103999	• • WASHER, Lock 3/8"	6
	103472	• • WASHER, Flat 3/8"	6
12	103543	• PAD, Platform slide	2
	103856	• • BOLT, Hex-hd 1/4-20 x 3/4" lg.	4
	104000	• • WASHER, Lock 1/4"	4
13	104127	• COVER, Cable protection (Model 3015 with Serial Number 18538 and Below) (Model 3219 with Serial Number 220623 and Below)	1
14	108773	• ANGLE, Platform slider 22" lg.	1
15	112882	• LOCATOR, Scissor guard	2
16	103024	• CLIP, Control cable #G8	1
17	310032	• GUARD, Cable LH (option)	1
18	310031	• GUARD, Cable RH (3015 with serial number 18539 and above) (3219 with serial number 220624 and above)	1

FIGURE 6-3. 3 FT. MANUAL EXTENSION PLATFORM

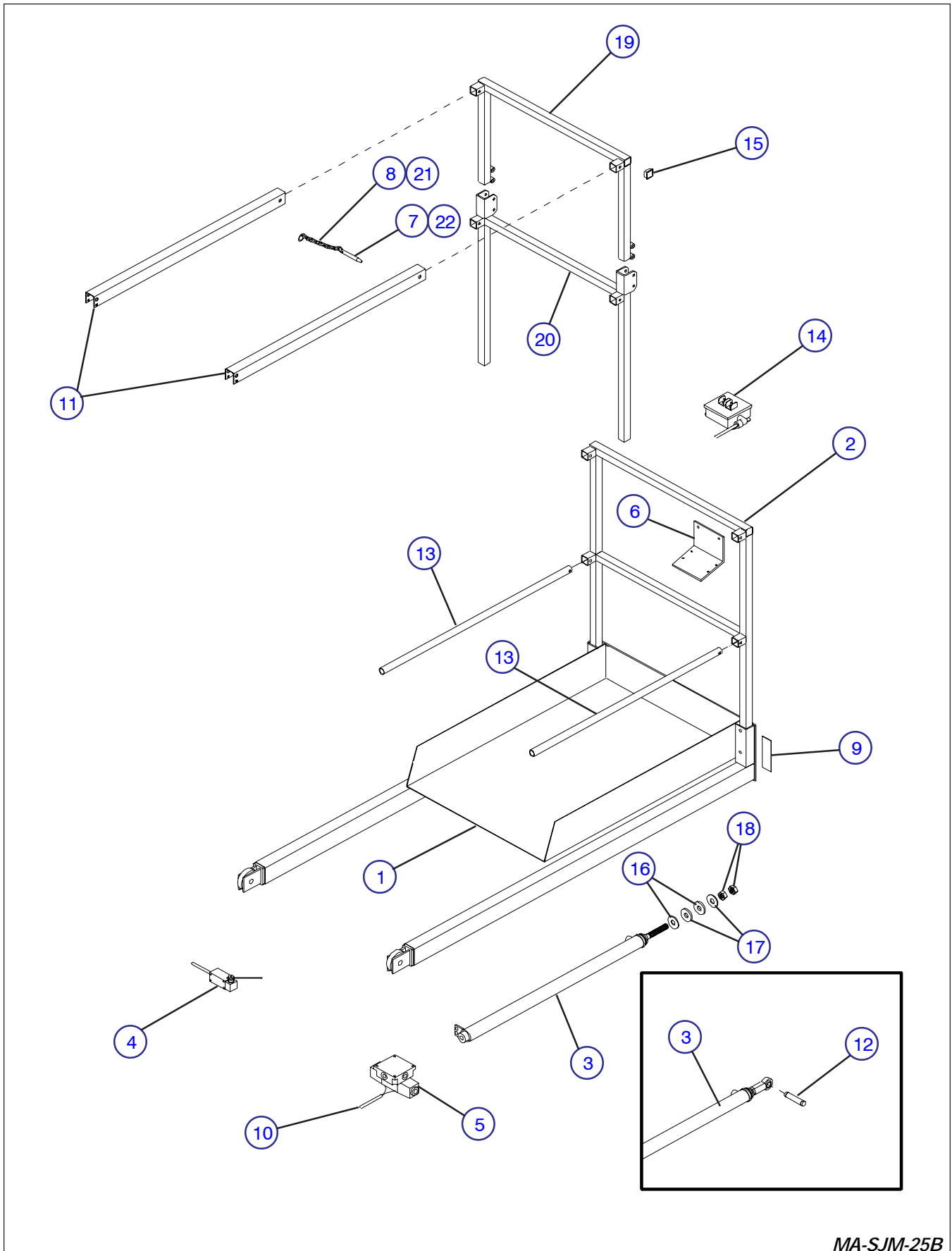


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FIGURE 6-3. 3 FT. MANUAL EXTENSION PLATFORM

Index No.	Skyjack Part No.	Description	Units per Assy.
A	107749	3 FT. EXTENSION PLATFORM - Model 3015 (Standard machines)	-
B	111318	3 FT. EXTENSION PLATFORM - Model 3219 (Standard machines)	-
C	113158	3 FT. EXTENSION PLATFORM - Model 3015 (Machines with scissor guard option)	-
D	113159	3 FT. EXTENSION PLATFORM - Model 3219 (Machines with scissor guard option)	-
1	107866	• WELDMENT, Extension platform, A, B	1
	112564	• WELDMENT, Extension platform, C, D	1
2	106521	• RAILING, Extension platform front, A, C	1
	110744	• RAILING, Extension platform front, B, D	1
	104625	• • SCREW, Set 3/8-16 x 5/8" lg.	4
	103978	• • NUT, Hex 3/8-16	4
3	107450	• CHANNEL ASSEMBLY, Side handrail, A, B	2
	113209	• CHANNEL ASSEMBLY, Side handrail, C, D	2
	107451	• • CHANNEL, Side handrail, A, B	2
	112610	• • CHANNEL, Side handrail, C, D	2
	103550	• • PAD, Wear	6
	103865	• • BOLT, Hex-hd 5/16-18 x 2" lg.	4
	103984	• • NUT, Lock 5/16-18	4
4	100509	• PIN, Locking	2
5	103554	• PAD, Rear slide	2
	103952	• • BOLT, Flat-hd 3/8-16 x 1" lg.	4
6	103796	• PIPE, Midrail	2
	103885	• • BOLT, Hex-hd 5/16-18 x 1-3/4" lg.	2
	103984	• • NUT, Lock 5/16-18	2
7	106950	• PLATE, Railing retainer	2
8	105807	• CABLE, Lanyard 6" lg.	2
	104607	• • SCREW, Self-tap #6-1/4" lg.	1
9	100702	• CAP, Tube end	2
		Items 10 thru 13 are for machines with optional hinged railings.	
10	111826	RAILING, Extension platform hinged upper	1
11	111825	RAILING, Extension platform hinged lower	1
12	105807	CABLE, Lanyard 6" lg.	2
13	100509	PIN, Locking	2

FIGURE 6-4. 3 FT. POWERED EXTENSION PLATFORM

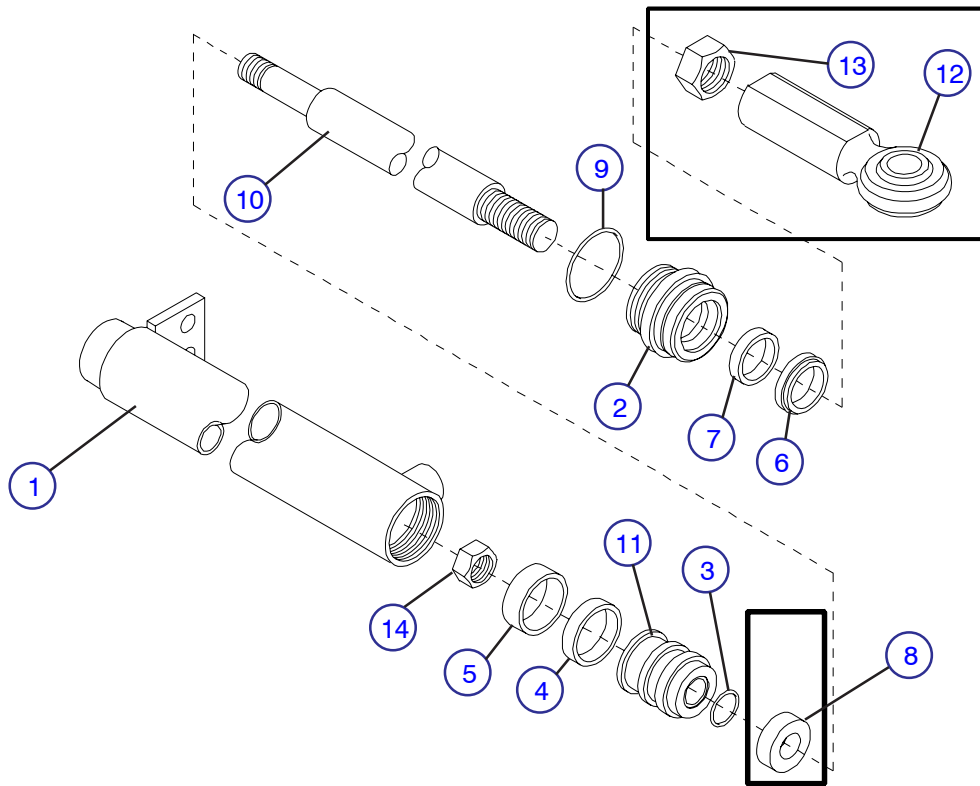


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FIGURE 6-4. 3 FT. POWERED EXTENSION PLATFORM

Index No.	Skyjack Part No.	Description	Units per Assy.
1	113315	WELDMENT, Extension platform (Replaces 109689)	1
2	106521	RAILING, Extension platform front (Model 3015)	1
	110744	RAILING, Extension platform front (Model 3219)	1
	104625	• SCREW, Set 3/8-16 x 5/8" lg.	4
	103978	• NUT, Hex 3/8-16	4
3	113425	CYLINDER ASSEMBLY, Powered extension platform (For components, refer to Figure 6-5.)(Replaces 108727 by ordering (1), 106450 and (1), End, 103420)	1
	101297	• BOLT, Hex-hd 3/8-16 x 1-1/4" lg.	2
	104606	• NUT, Lock 3/8-16	2
4	114825	SWITCH ASSEMBLY, Powered platform limit (Replaces 109706 by also ordering (1) Connector 107711)	1
	102668	• SWITCH, Limit	1
	102882	• HEAD, Limit switch	1
	103142	• ARM, Limit switch	1
	103256	• CORD, 18/2	220"
	107712	• PLUG ASSEMBLY, 5 Pin male (Replaces 4 pole round connector by also ordering (1) Connector, 107711)	1
5	(Ref.)	VALVE & MANIFOLD ASSEMBLY (Refer to Figure 6-6.)	1
6	310009	PLATE, Control box mounting (Replaces 105538)	1
7	100509	PIN, Locking	2
8	105807	CABLE, Lanyard 6" lg.	2
9	106950	PLATE, Railing retainer	2
10	114826	CORD ASSEMBLY, Valve manifold (Replaces 109715 by also ordering (1) Connector 107711)	1
	103257	• CORD, 18/3 x 100" lg.	1
	107712	• PLUG ASSEMBLY, 5 Pin male (Replaces 4 pole round connector by also ordering (1) Connector, 107711)	1
11	107450	CHANNEL ASSEMBLY, Side handrail	2
	103550	• PLUG, Handrail slide	6
	103865	• BOLT, Hex-hd 5/16-18 x 2" lg.	4
	103984	• NUT, Lock 5/16-18	4
12	103424	PIN, Cylinder mounting (Early models)	1
	100759	• RING, Retaining	2
13	103796	PIPE, Midrail	2
	103885	• BOLT, Hex-hd 5/16-18 x 1-3/4" lg.	2
	103984	• NUT, Lock 5/16-18	2
14	(Ref.)	CONTROL BOX ASSEMBLY, Powered ext. platform (For components, refer to Figure 6-7.)	1
15	100702	CAP, Tube end	2
16	113304	WASHER, Flat 3/4" x 2"	2
17	113305	ISOLATOR, Cylinder rod	2
18	106450	NUT, Jam 3/4-16	2
		Items 18 thru 21 are for machines with optional hinged railings.	
19	111826	RAILING, Extension platform hinged upper	1
20	111825	RAILING, Extension platform hinged lower	1
21	105807	CABLE, Lanyard 6" lg.	2
22	100509	PIN, Locking	2

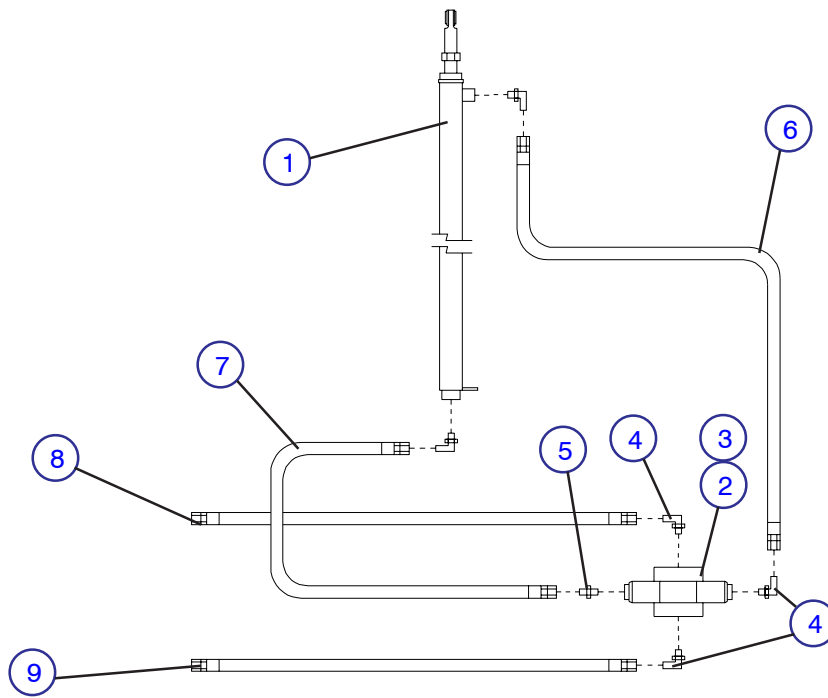
FIGURE 6-5. POWERED EXTENSION PLATFORM CYLINDER ASSEMBLY



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Index No.	Skyjack Part No.	Description	Units per Assy.
A	113425	CYLINDER ASSEMBLY, Powered extension platform	-
B	\$	CYLINDER ASSEMBLY, Powered extension platform (108727)	-
1	106470	• WELDMENT, Cylinder barrel	1
2	108723	• GLAND, Cylinder end	1
*3	103829	• O-RING, Piston	1
*4	103825	• SEAL, Piston	1
*5	106452	• RING, Piston wear	1
*6	106449	• WIPER, Rod	1
*7	108798	• SEAL, Rod	1
8	103822	• SPACER, Stroke limit (w/piston, 106457)	1
*9	103828	• O-RING, Gland	1
10	106469	• ROD, Piston	1
11	114344	• PISTON (Replaces 106457, 103822)	1
12	103420	• END, Cylinder rod	1
13	106450	• NUT, Jam 3/4-16, B	1
14	103830	• NUT, Lock 5/8-11, B	1
	107396	KIT, Seal repair	AR
		* Part of Seal Repair Kit, 107396.	
		\$ Order replacement cylinder plus (1) SPHERICAL BEARING END, 103420 and (1) NUT, 106450	

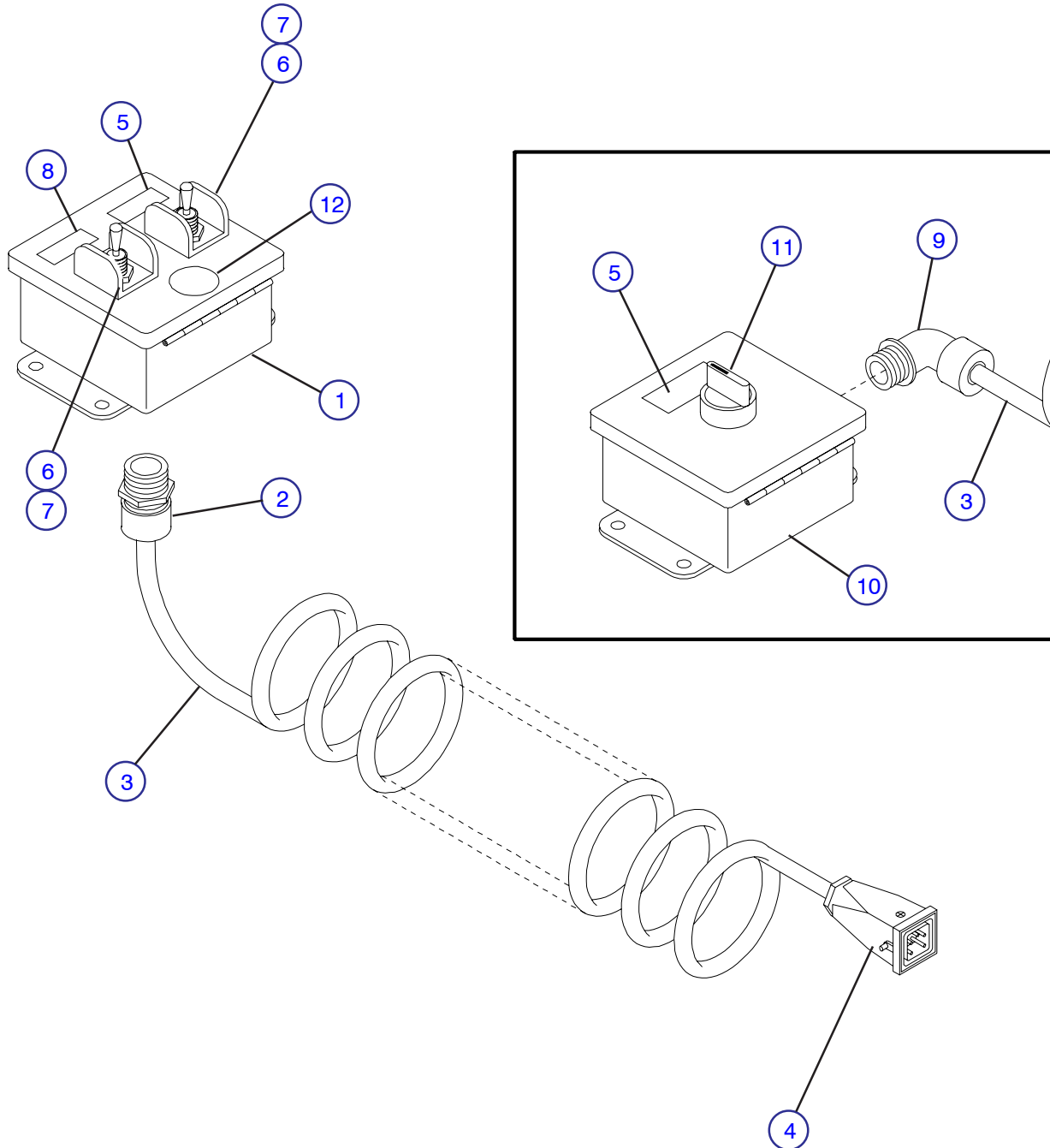
FIGURE 6-6. HYDRAULIC HOSE CONNECTIONS - Powered Extension Platform



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Index No.	Skyjack Part No.	Description	Units per Assy.
1	113425	CYLINDER ASSEMBLY, Powered extension platform (For components, refer to Figure 6-5.)	1
2	107382	BLOCK, Valve manifold	1
3	103614	VALVE ASSEMBLY, 24 Volt spool	1
	107439	• COIL, 24 Volt spool valve	2
	104409	• CONNECTOR, Black	1
	104345	• CONNECTOR, Gray	1
4	103073	FITTING, Elbow 90° #6orb-#6	5
5	103069	FITTING, Connector #6orb-#6	1
6	110062	HOSE ASSEMBLY, Cylinder retract 49" lg.	1
7	110061	HOSE ASSEMBLY, Cylinder extend 10-1/2" lg.	1
8	110063	HOSE ASSEMBLY, Valve return 235" lg. (Model 3015)	1
	310174	HOSE ASSEMBLY, Valve return 293" lg. (Model 3219)	1
9	110064	HOSE ASSEMBLY, Valve supply 255" lg. (Model 3015)	1
	310173	HOSE ASSEMBLY, Valve supply 301" lg. (Model 3219)	1

FIGURE 6-7. POWERED EXTENSION PLATFORM CONTROL BOX ASSEMBLY

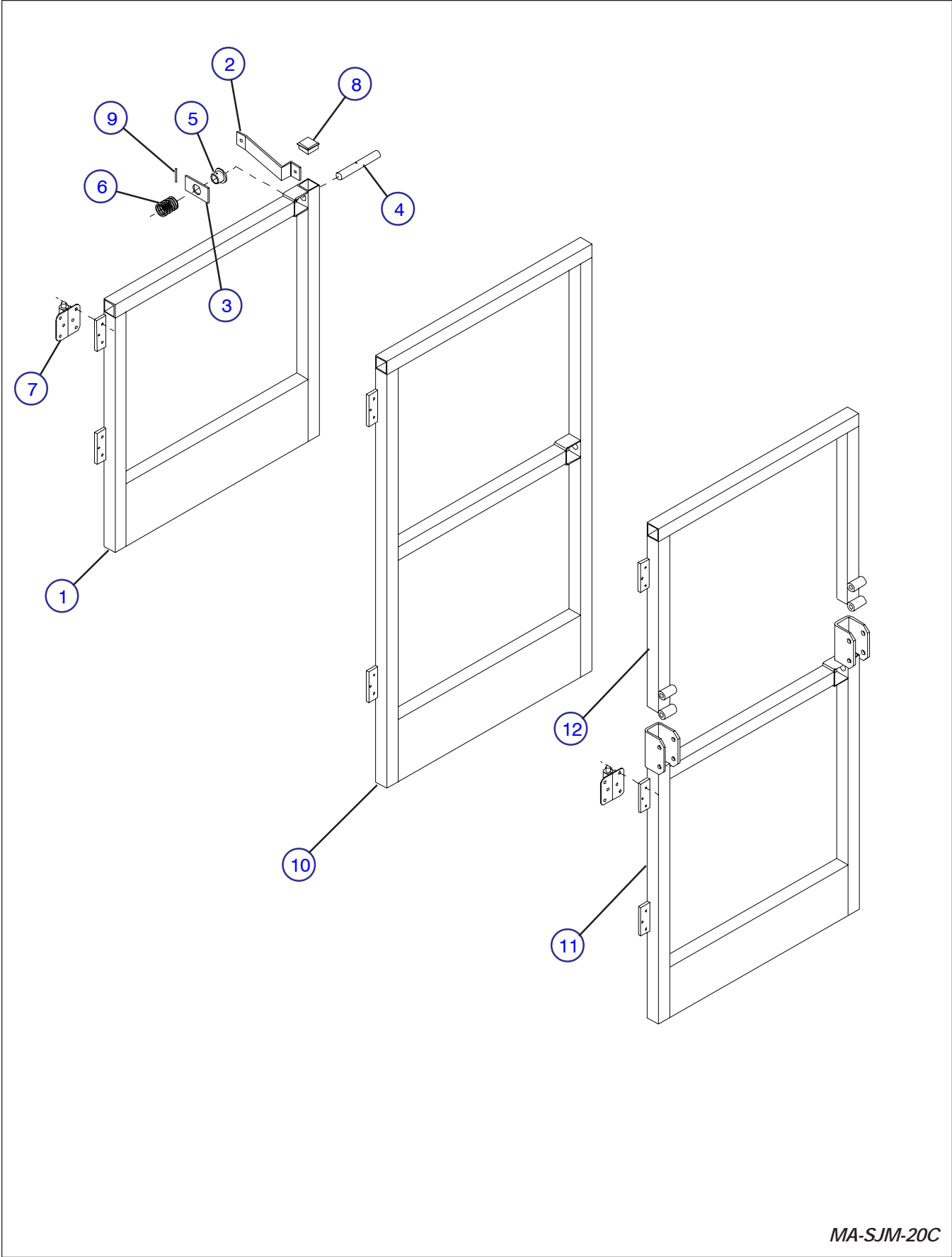


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FIGURE 6-7. POWERED EXTENSION PLATFORM CONTROL BOX ASSEMBLY

Index No.	Skyjack Part No.	Description	Units per Assy.
A	(Ref.)	BOX ASSEMBLY, Powered ext. platform control (Later models with toggle switch controls)	
B	(Ref.)	BOX ASSEMBLY, Powered ext. platform control (Early models with rotary switch controls)	
1	115539	• BOX, Control, A	1
2	103041	• STRAIN RELIEF, Straight 1/2" , A	1
3	106401	• CORD, Coiled 18/3	1
4	107712	• CONNECTOR ASSEMBLY, 5 Pole male (Replaces round connector by also ordering (1) Connector, 107711)	1
5	108328	• LABEL, Platform extend/retract	1
6	102853	• SWITCH, Toggle, A	2
7	111181	• GUARD, Toggle switch, A	2
8	115594	• LABEL, Enable, A	1
9	103035	• STRAIN RELIEF, Elbow 90° 1/2", B	1
10	106399	• BOX, Control, B	
11	(Ref.)	• SWITCH ASSEMBLY, Platform extend/retract, B	1
	102837	• • HEAD, Selector switch	1
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	1
12	114377	• PLUG, Hole 1/2", A	1

FIGURE 6-8. GATE OPTIONS

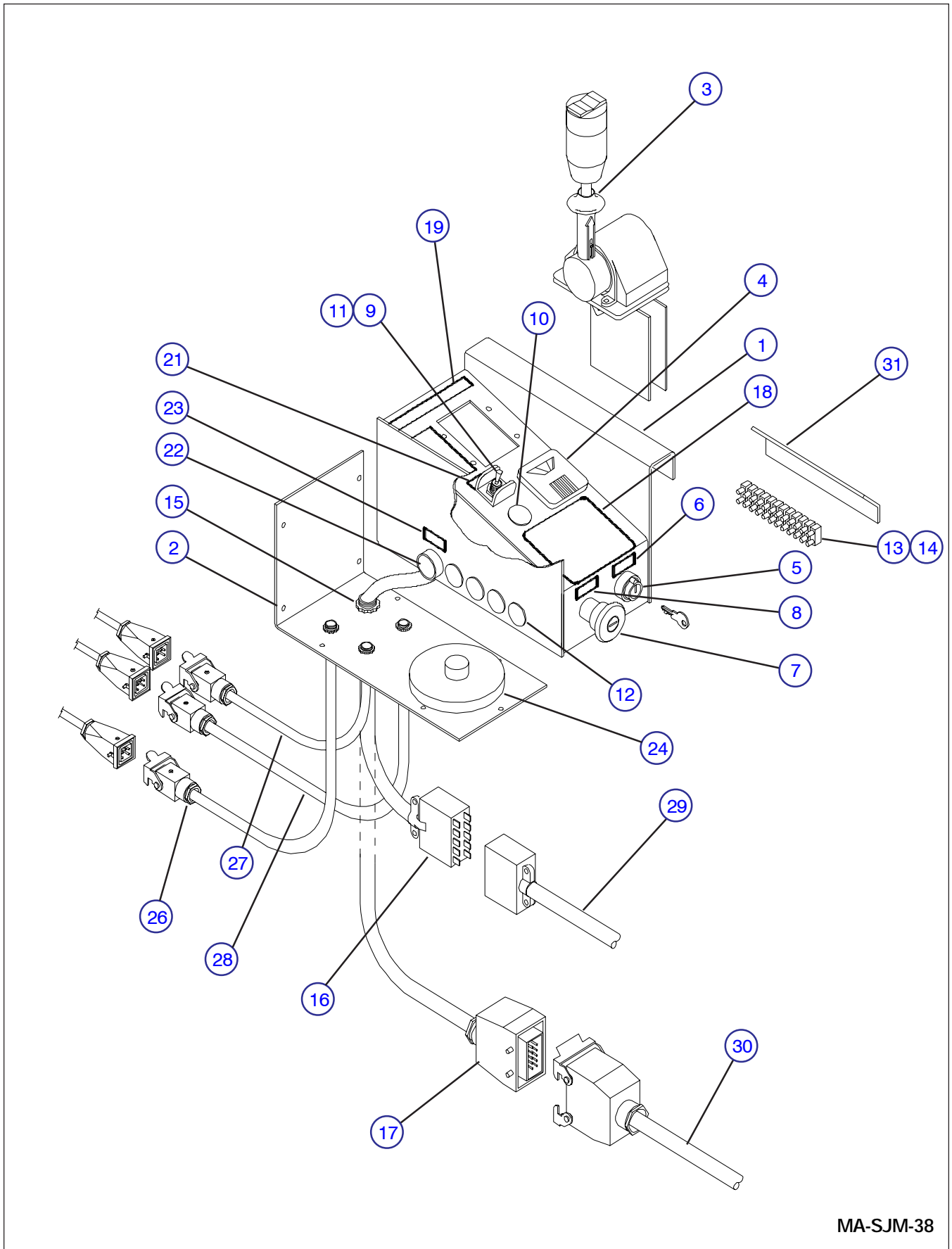


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FIGURE 6-8. GATE OPTIONS

Index No.	Skyjack Part No.	Description	Units per Assy.
A	(Ref.)	GATE ASSEMBLY - Half (Model 3015) (Consists of items 1 thru 9)	-
B	(Ref.)	GATE ASSEMBLY - Half (Model 3219) (Consists of items 1 thru 9)	-
C	(Ref.)	GATE ASSEMBLY - Rigid full (Model 3015) (Consists of items 2 thru 10)	-
D	(Ref.)	GATE ASSEMBLY - Rigid full (Model 3219) (Consists of items 2 thru 10)	-
E	(Ref.)	GATE ASSEMBLY - Hinged full (All models) (Consists of items 2 thru 9, 11 and 12)	-
1	117278	• WELDMENT, Half gate, A (Serial number 18713 and above)	1
	109401	• WELDMENT, Half gate, A (Serial number 18712 and below)(Replaces 107868 by also ordering (2) hinges, 109388)	1
	117280	• WELDMENT, half gate, B (Serial number 220805 and above)	1
	111239	• WELDMENT, Half gate, B (Serial number 220804 and below)	1
2	105306	• STOP, Latch	1
	103632	• • BOLT, Self-tap 1/4-14 x 7	1
3	105307	• PLATE, Latch release	1
4	105309	• PIN, 5/8" x 4-3/16" lg.	1
5	105312	• GUIDE, Spring	1
6	103107	• SPRING, Compression	1
7	117277	• HINGE, Spring return (Stanley 3-1/2" #2060R) (Model 3015 serial number 18713 and above) (Model 3219 serial number 220805 and above)	2
	109388	• HINGE, Spring (Stanley Hardware) (Model 3015 serial number 18712 and below) (Model 3219 serial number 220804 and below) (Used with gates 109401, 111239, 109404 and 110746)	2
	100596	• HINGE, Spring (Mallory) (Used with gates 107868 and 108136)	2
8	100702	• CAP, Tube end	3
9	300792	• PIN, Cotter 1/8" X 3/32" lg.(Replaces 105310)	1
10	117279	• WELDMENT, Full gate, C (Serial number 18713 and above)	1
	109404	• WELDMENT, Full gate, C (Serial number 18712 and below) (Replaces 108136 by also ordering (2) hinges, 109388)	1
	117286	• WELDMENT, Full gate, D (Serial number 220805 and above)	1
	110746	• WELDMENT, Full gate, D (Serial number 220804 and below)	1
11	113661	WELDMENT, Hinged lower gate, E	1
12	113662	WELDMENT, Hinged upper gate, E	1

FIGURE 6-9. CONTROL BOX ASSEMBLY - Proportional Drive and Lift



MA-SJM-38

FIGURE 6-9. CONTROL BOX ASSEMBLY - Proportional Drive and Lift

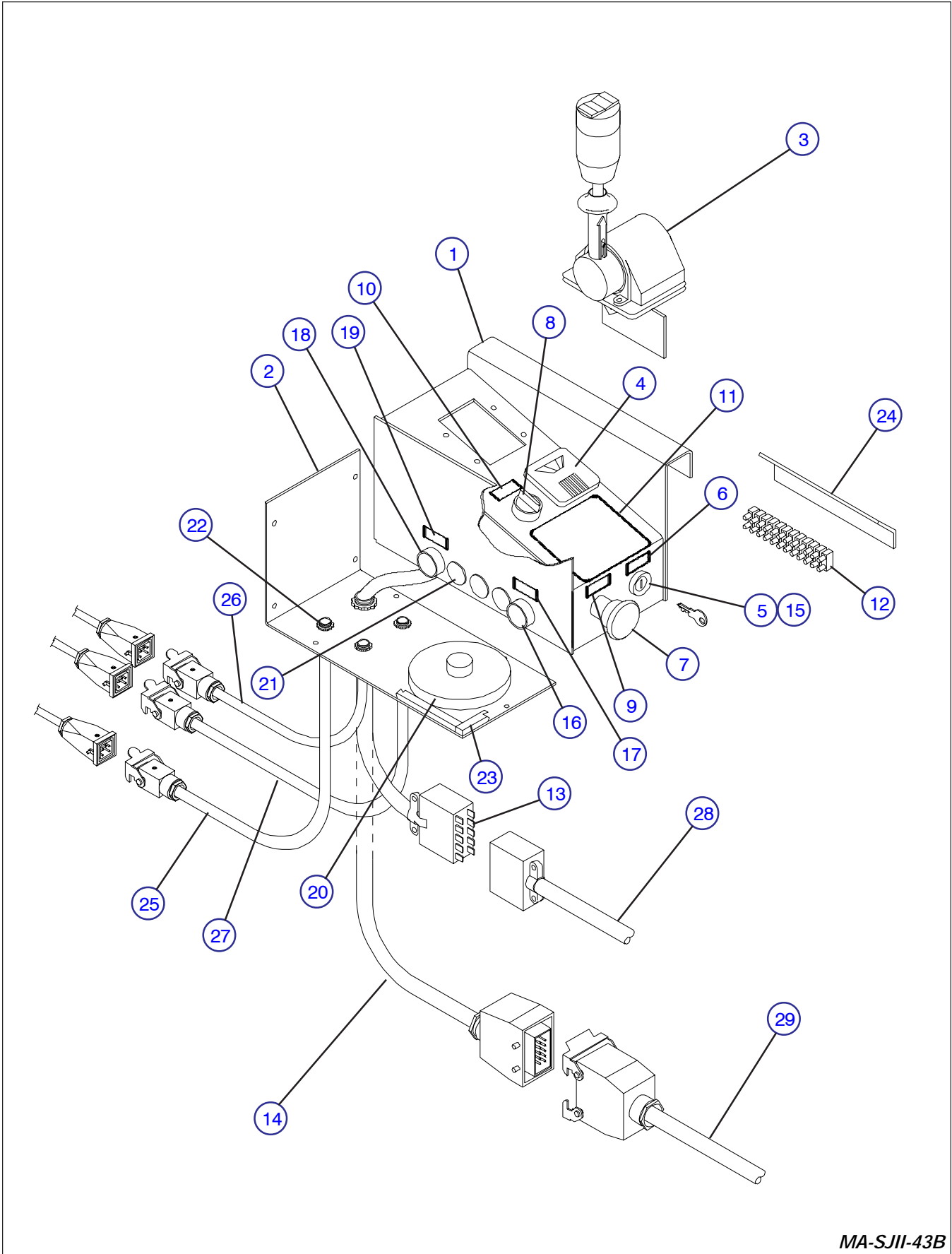
Index No.	Skyjack Part No.	Description	Units per Assy.
A	400072	CONTROL BOX ASSEMBLY, Proportional (ANSI/SIA AND CSA)	-
B	310003	CONTROL BOX ASSEMBLY, Proportional (ANSI/SIA AND CSA with horn)	-
C	310004	CONTROL BOX ASSEMBLY, Proportional (CE with horn)	-
D	310011	CONTROL BOX ASSEMBLY, Proportional (EE-Rated)	-
1	108692	• WELDMENT, Control box	1
2	108703	• COVER, Bottom, A, D	1
	108704	• COVER, Bottom, B, C	1
	104607	• • SCREW, Set #6-32 x 1/2" lg.	9
3	115311	• CONTROLLER ASSEMBLY, Proportional drive/lift (For components, refer to Figure 6-11.)	1
	103957	• • SCREW, #8-32 x 1/2" lg.	4
	104185	• • WASHER, Lock #10	4
4	103240	• INDICATOR, Battery charge	1
5	(Ref.)	• SWITCH ASSEMBLY, Key off/on	1
	102754	• • HEAD, 2-Position key switch	1
	104460	• • • KEY, #455	AR
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	1
6	105983	• LABEL, Power off/on, A, B, D	1
	108331	• LABEL, Power off/on, C	1
7	(Ref.)	• SWITCH ASSEMBLY, Emergency stop	1
	100149	• • WASHER, Switch	1
	102769	• • HEAD, Stop switch	1
	103100	• • BASE, Contact	1
	103225	• • BLOCK, N.C. Contact	1
8	102627	• LABEL, Emergency stop, A, B, D	1
	111814	• LABEL, Emergency stop, C	1
9	116382	• SWITCH, Lift/off/drive toggle	1
10	114377	• PLUG, Hole 7/8"	1
11	111181	• GUARD, Toggle switch	1
12	300460	• PLUG, Hole 7/8" (Replaces 102956)	AR
13	103012	• BLOCK, Terminal	AR
	103955	• • SCREW, #6-32 x 3/4" lg.	1
	114678	• • SCREW, #6-32 x 1/2" lg.	1
	106099	• • WASHER, Lock #6	2
	103985	• • NUT, #6-32	2
14	102921	• DIODE, 6 Amp 1000PIV	2
15	300251	• STRAIN RELIEF, Cable, A, B, C	1
	103041	• STRAIN RELIEF, Cable, D	1
16	119642	• CABLE ASSEMBLY, Control box, A	1
	102888	• • CABLE, 16/10	27"
	102766	• • PLUG, 10 Pole male	1
17	104172	• CABLE ASSEMBLY, Control box, A, B	1
	102888	• • CABLE, 16/10	1
	102766	• • PLUG, 10 Pin cable	1
	103365	• • CONNECTOR, Control box 1/2"	1
	114547	• CABLE ASSEMBLY, Control box, C, D	1
	102888	• • CABLE, 16/10	27"
	107778	• • CONNECTOR ASSEMBLY, 10 Pole male	1

NOTE: Parts list continued on Page 21.

FIGURE 6-9. CONTROL BOX ASSEMBLY - Proportional Drive and Lift (continued)

Index No.	Skyjack Part No.	Description	Units per Assy.
		NOTE: Parts list continued from Page 19.	
18	106704	• LABEL, Operator warning	1
19	115326	• LABEL, Operating instructions	1
20	115327	• LABEL, Controller lift/drive	1
21	102599	• LABEL, Lift/off/drive, A, B, D	1
	108333	• LABEL, Lift/off/drive, C	1
22	(Ref.)	• SWITCH ASSEMBLY, Horn push-button, B, C	1
	102851	• • HEAD, Push-button switch	1
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	1
23	102467	• LABEL, Horn, B	1
	105352	• LABEL, Horn, C	1
24	102860	• HORN, 24 Volt operator, B, C	1
	103962	• • BOLT, #10-32 x 1/2" lg.	2
	104185	• • WASHER, Lock #10	2
	104003	• • NUT, Machine #10-32	2
25	103628	• SEAL, Rubber 44" lg., D	1
		Items 25 thru 27 are machines with Powered Extension Platform Option.	
26	(Ref.)	CORD ASSEMBLY, Powered platform control box	1
	103257	• CORD, 18/3 x 27" lg.	1
	107711	• CONNECTOR ASSEMBLY, 5 Pole female	1
27	(Ref.)	CORD ASSEMBLY, Valve manifold	1
	103257	• CORD, 18/3 x 27" lg.	1
	107711	• CONNECTOR ASSEMBLY, 5 Pole female	1
28	(Ref.)	CORD ASSEMBLY, Limit switch	1
	103256	• CORD, 18/2 x 27" lg.	1
	107711	• CONNECTOR ASSEMBLY, 5 Pole female	1
28	106337	• CABLE ASSEMBLY, Scissors, A, B (Model 3015)	1
	104170	• CABLE ASSEMBLY, Scissors, A, B (Model 3219)	1
	102888	• • CABLE, 16/10 x 288" lg. (Model 3015)	1
	102888	• • CABLE, 16/10 x 372" lg. (Model 3219)	1
	102518	• • SOCKET, 10 pin female	1
	102766	• • PLUG, 10 pin male	1
29	114553	• CABLE ASSEMBLY, Scissors, C, D (Model 3015)	1
	114552	• CABLE ASSEMBLY, Scissors, C, D (Model 3219)	1
	102888	• • CABLE, 16/10 x 288" lg. (Model 3015)	1
	102888	• • CABLE, 16/10 x 372" lg. (Model 3219)	1
	107778	• • CONNECTOR, 10 pole male	1
	107777	• • CONNECTOR, 10 pole female	1
30	113451	• STRIP, Terminal mount	1

FIGURE 6-10. CONTROL BOX ASSEMBLY - 2 Speed Drive



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FIGURE 6-10. CONTROL BOX ASSEMBLY - 2 Speed Drive

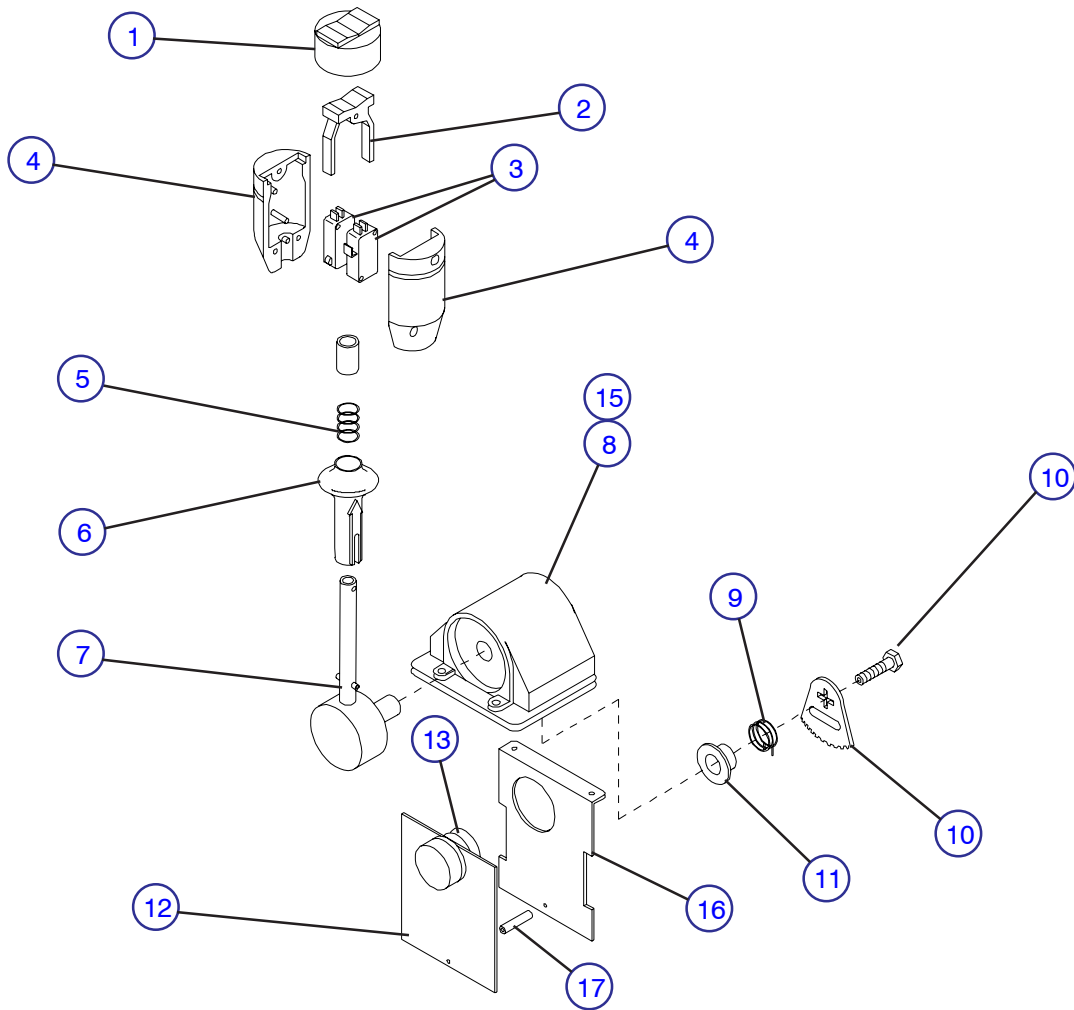
Index No.	Skyjack Part No.	Description	Units per Assy.
A	104491	CONTROL BOX ASSEMBLY - ANSI/SIA AND CSA	-
B	106109	CONTROL BOX ASSEMBLY - ANSI/SIA AND CSA With Horn	-
C	114557	CONTROL BOX ASSEMBLY - CE With Horn	-
D	114558	CONTROL BOX ASSEMBLY - EE-Rated	-
1	108692	• WELDMENT, Control box (Replaces 100886)	1
2	108703	• COVER, Bottom, A, D (Replaces 100148)	1
	108704	• COVER, Bottom, B, C (Replaces 100621)	1
	104607	• • SCREW, Self-tapping #8-32 x 1/2" lg.	11
3	103334	• CONTROLLER ASSEMBLY, 2 Speed drive (For components, refer to Figure 6-12.)	1
	103957	• • SCREW, Machine #8-32 x 1/2" lg.	4
4	103240	• INDICATOR, Battery charge	1
5	102752	• SWITCH, Key select	1
	104325	• • KEY, Select switch	1
6	102599	• LABEL, Lift/off/drive, A, B, D	1
	108333	• LABEL, Lift/off/drive, C	1
7	(Ref.)	• SWITCH ASSEMBLY, Emergency stop	1
	100149	• • WASHER, Flat	1
	102769	• • HEAD, Stop switch	1
	103100	• • BASE, Contact	1
	103225	• • BLOCK, N.C. Contact	1
8	(Ref.)	• SWITCH ASSEMBLY, Up/down selector	1
	102837	• • HEAD, Selector switch	1
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	2
9	102627	• LABEL, Emergency stop, A, B, D	1
	105351	• LABEL, Emergency stop, C	1
10	102657	• LABEL, Up/off/down, A, B, D	1
	108328	• LABEL, Up/off/down, C	1
11	106704	• LABEL, Operator warning	1
12	103012	• BLOCK, Terminal	1
	103955	• • SCREW, Machine #6-32 x 3/4" lg.	2
	103985	• • NUT, Machine #6-32	2
13	104172	• CABLE ASSEMBLY, Control box, A, B	1
	102888	• • CABLE, 16/10 x 27" lg.	1
	102766	• • PLUG, 10 Pin cable	1
	103365	• • CONNECTOR, Control box 1/2"	1
14	114547	• CABLE ASSEMBLY, Control box, C, D (Replaces 108071 by ordering (1) Connector, 107777)	1
	102888	• • CABLE, 16/10 x 27" lg.	1
	107778	• • CONNECTOR ASSEMBLY, 10 Pole male (Replaces 32 pole round connector by also ordering (1) Connector, 107777)	1
15	102921	• DIODE, 6 Amp	AR
16	(Ref.)	• SWITCH ASSEMBLY, Lift enable push-button	1
	108854	• • HEAD, Push-button head (green)	1
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	1
17	108855	• LABEL, Lift enable	1

NOTE: Parts list continued on Page 25.

FIGURE 6-10. CONTROL BOX ASSEMBLY - 2 Speed Drive (continued)

Index No.	Skyjack Part No.	Description	Units per Assy.
		NOTE: Parts list continued from Page 23.	
18	(Ref.)	• SWITCH ASSEMBLY, Horn push-button, B, C	1
	102851	• • HEAD, Push-button switch (black)	1
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	1
19	102467	• LABEL, Horn, B	1
	105352	• LABEL, Horn, C	1
20	102860	• HORN, 24 Volt operator	1
21	105867	• PLUG, Snap-in, (Replaces 102956)	AR
22	103036	• STRAIN RELIEF, Connector 1/2" , A, B, C	3
	103041	• STRAIN RELIEF, Connector, 12" lg. D	1
23	103628	• SEAL, Rubber 44" lg., D	1
24	113451	• STRIP, Terminal mount	1
25	(Ref.)	CABLE ASSEMBLY, Powered platform control box	1
	103257	• CORD, 18/3 x 27" lg.	1
	107711	• CONNECTOR ASSY., 5 Pole female (Replaces 108193 by ordering (1) Connector, 107712)	1
26	(Ref.)	CORD ASSEMBLY, Valve manifold	1
	103257	• CORD, 18/3 x 27" lg.	1
	107711	• CONNECTOR ASSY., 5 Pole female (Replaces 108193 by ordering (1) Connector, 107712)	1
27	(Ref.)	CORD ASSEMBLY, Limit switch	1
	103257	• CORD, 18/3 x 27" lg.	1
	107711	• CONNECTOR ASSY., 5 Pole female (Replaces 108193 by ordering (1) Connector, 107712)	1
28	106337	CABLE ASSEMBLY, Scissor arm, A, B (Model 3015)	1
	102888	• CABLE, 16/10 x 288" lg.	1
	102518	• SOCKET, 10 Pin	1
	102766	• PLUG, 10 Pin	1
	104170	CABLE ASSEMBLY, Scissor arm, A, B (Model 3219)	1
	102888	• CABLE, 16/10 x 372" lg.	1
	102518	• SOCKET, 10 Pin	1
	102766	• PLUG, 10 Pin	1
29	114553	CABLE ASSEMBLY, Scissor arm, C, D (Model 3015) (Replaces 109498 by ordering (1) Connector, 107777)	1
	102888	• CABLE, 16/10 x 288" lg.	1
	114552	CABLE ASSEMBLY, Scissor arm, C, D (Model 3219) (Replaces 108075 by ordering (1) Connector, 107777)	
	102888	• CABLE, 16/10 x 372" lg.	1

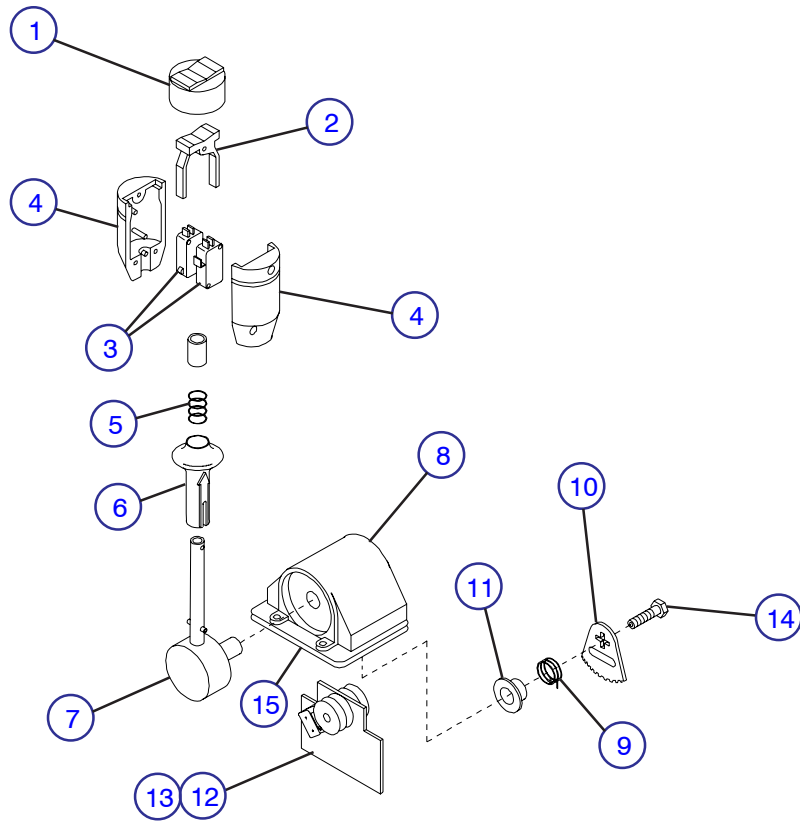
FIGURE 6-11. PROPORTIONAL DRIVE/LIFT CONTROLLER ASSEMBLY



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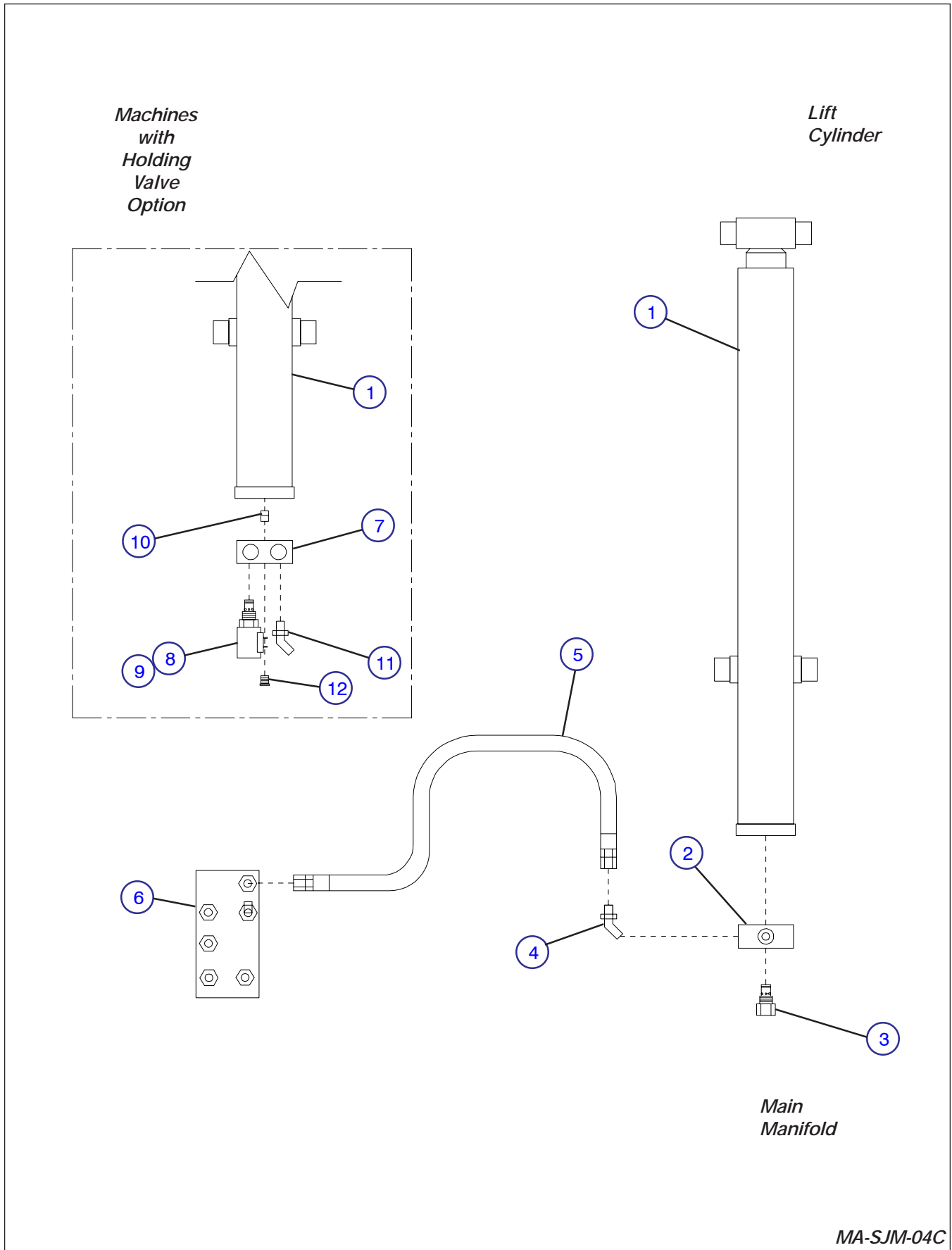
Index No.	Skyjack Part No.	Description	Units per Assy.
	115311	CONTROLLER ASSEMBLY, Proportional drive/lift	-
1	105735	• CAP, Elastic	1
2	105734	• ACTUATOR, Rocker	1
3	105733	• SWITCH, Directional	2
4	105738	• KNOB HALF	2
5	105737	• SPRING, Compression	1
6	105736	• SLIDE LOCK	1
7	105378	• HANDLE EXTENSION	1
8	106729	• HOUSING	1
9	106730	• SPRING, Handle return	1
10	106725	• RATCHET	1
11	106726	• BUSHING, Spring	1
12	117150	• CIRCUIT BOARD ASSEMBLY	1
13	102768	• • SWITCH W/ACTUATOR	2
14	106731	• SCREW, Hollow	1
15	110982	• GASKET, Housing	1
16	117151	• BRACKET, Circuit board support	1
17	117152	• SPACER, Circuit board	1

FIGURE 6-12. 2 SPEED DRIVE CONTROLLER ASSEMBLY



Index No.	Skyjack Part No.	Description	Units per Assy.
	103334	CONTROLLER ASSEMBLY, 2 Speed drive	-
1	105735	• CAP, Elastic	1
2	105734	• ACTUATOR, Rocker	1
3	105733	• SWITCH, Directional	1
4	105738	• KNOB HALF	2
5	105737	• SPRING, Compression	2
6	105736	• SLIDE LOCK	1
7	105378	• HANDLE EXTENSION	1
8	106729	• HOUSING	1
9	106730	• SPRING, Handle return	1
10	106725	• RATCHET	1
11	106726	• BUSHING, Spring	1
12	106092	• CIRCUIT BOARD ASSEMBLY	1
13	102768	• • SWITCH W/ACTUATOR	1
14	106731	• SCREW, Hollow	4
15	110982	• GASKET, Housing	1

FIGURE 6-13. HYDRAULIC HOSE CONNECTIONS - Scissors

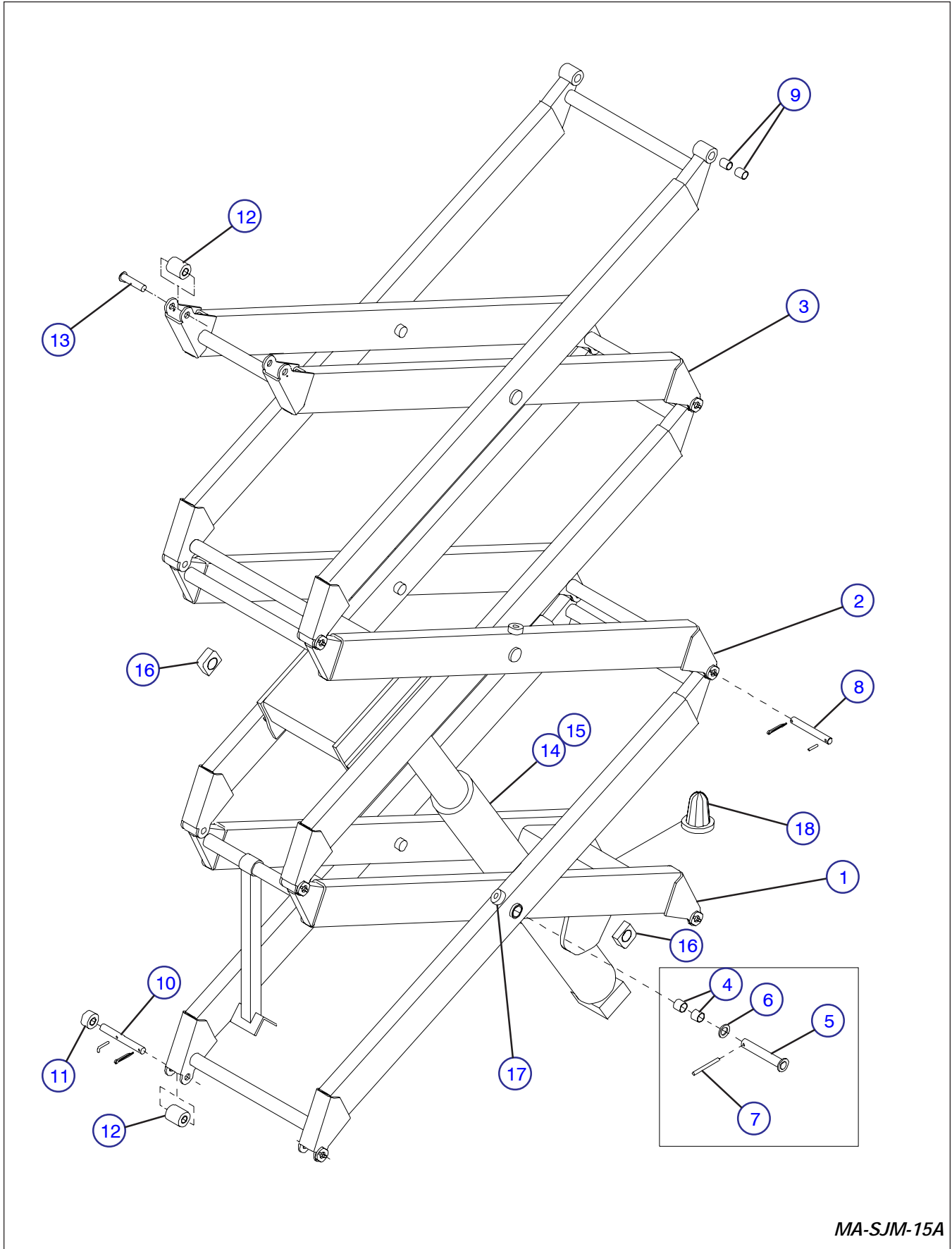


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FIGURE 6-13. HYDRAULIC HOSE CONNECTIONS - Scissors

Index No.	Skyjack Part No.	Description	Units per Assy.
1	106581	CYLINDER ASSEMBLY, Lift (Model 3015) (For components, refer to Figure 6-16.)	1
	110683	CYLINDER ASSEMBLY, Lift (Model 3219) (For components, refer to Figure 6-17.)	1
2	103494	BLOCK, Velocity fuse	1
	103403	• O-RING, Manifold seal	1
	103933	• BOLT, Soc-hd 5/16-18 x 1-3/4" lg.	4
	103996	• WASHER, Flat 5/16"	4
3	103138	VALVE, Velocity fuse	1
4	114580	FITTING, Elbow 45° #6orb-#6	1
5	102541	HOSE ASSEMBLY, Lift cylinder (Model 3015)	1
	111315	HOSE ASSEMBLY, Lift cylinder (Model 3219)	1
6	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figure 6-33.)	1
<p>NOTE: Items 7 thru 12 are for machines with Holding Valve Option.</p>			
7	106689	BLOCK, Holding valve	1
	103405	• BOLT, Soc-hd 5/16-18 x 2" lg. grade 8	4
	103404	• WASHER, Lock 5/16"	4
	103403	• O-RING, Manifold seal	1
8	107269	VALVE, N.C. (holding)	1
9	104493	COIL, 24 Volt	1
10	105281	ORIFICE, One-way .067 diameter	1
11	114580	FITTING, Elbow 45° #6orb-#6	1
12	104437	PLUG, Manifold o-ring #6	1

FIGURE 6-14. SCISSOR ARM ASSEMBLY - Model 3015



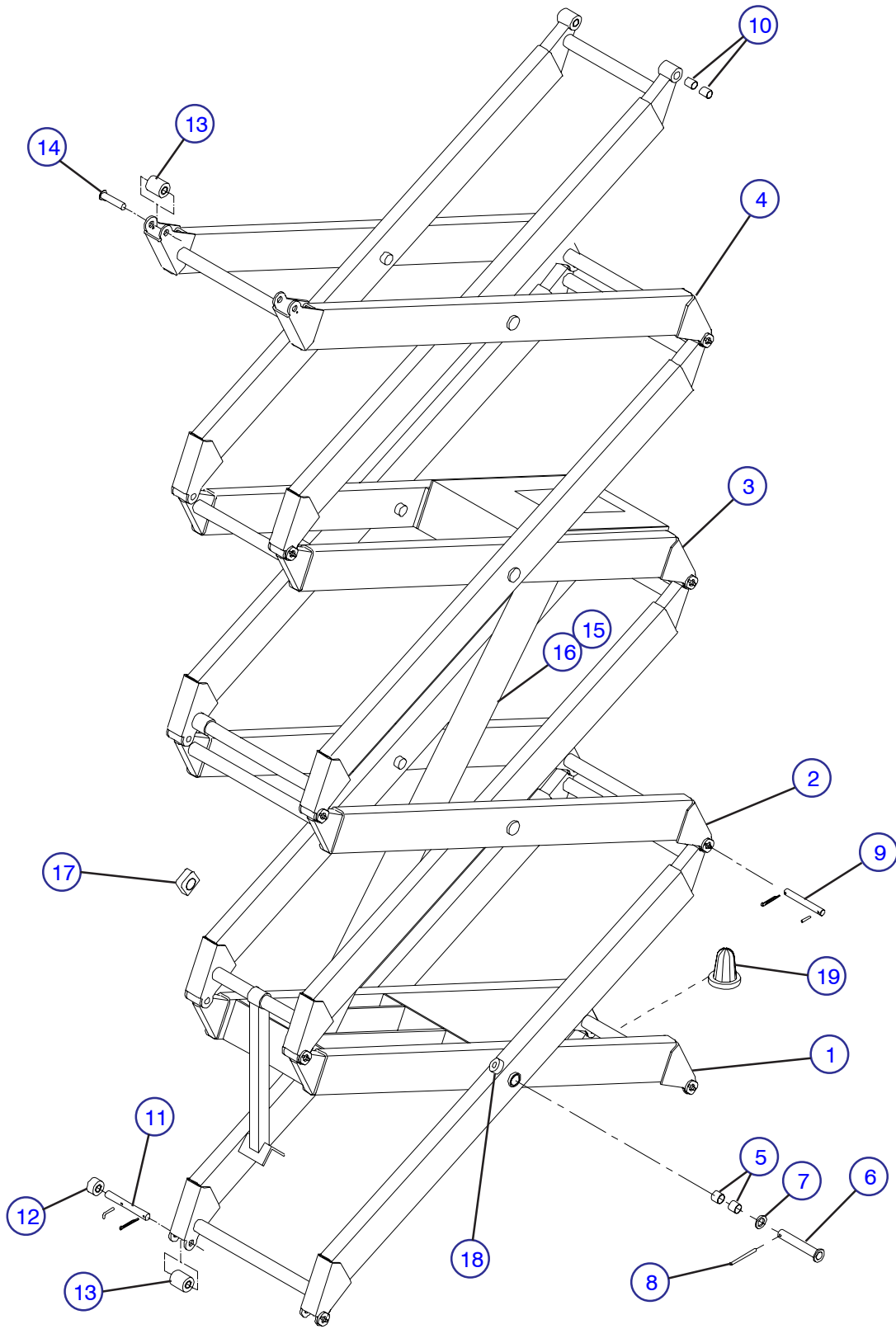
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FIGURE 6-14. SCISSOR ARM ASSEMBLY - Model 3015

Index No.	Skyjack Part No.	Description	Units per Assy.
	106602	SCISSOR STACK, Complete (less cylinder)	-
1	119093	• ARM ASSEMBLY, First level	1
2	119094	• ARM ASSEMBLY, Second level	1
	114614	• • WELDMENT, Safety bar	1
3	119095 (Ref.)	• ARM ASSEMBLY, Third level • KIT, Center pin service	1 AR
4	100071	• • BUSHING, Center pin	24
5	100900	• • PIN, Center	6
6	101520	• • WASHER, Nylon	6
7	100903	• • PIN, Retainer	6
8	310018	• PIN, End (Replaces 100046)	8
	100825	• • PIN, Roll 1/4" x 1-1/4" lg.	8
	104346	• • PIN, Cotter 1/4" x 1" lg.	8
9	100050	• BUSHING, End pin	20
10	310019	PIN, Lower roller (Replaces 100047)	2
	100825	• PIN, Retainer 1/4" x 1-3/16" lg.	2
	104346	• PIN, Cotter 1/4" x 1" lg.	2
11	100139	ROLLER ASSEMBLY, Retainer	2
	100050	• BUSHING	2
	100140	• ROLLER	2
12	100048	ROLLER ASSEMBLY, Scissors	4
	100050	• BUSHING	8
	100049	• ROLLER	4
13	102237	PIN, Top roller	2
	103855	• BOLT, Hex-hd 1/4-20 x 1/2" lg.	2
	104000	• WASHER, Lock 1/4"	2
14	106581	CYLINDER ASSEMBLY, Lift (For components, refer to Figure 6-16.)	1
15	105985	BLOCK, Cylinder rod end pivot	1
	105686	• BOLT, Hex-hd 3/4-16 x 3" lg.	1
16	101077	BLOCK, Cylinder mounting	4
	100904	• BUSHING	4
	103869	• BOLT, Hex-hd 5/16-18 x 4-1/2" lg.	4
	100397	• NUT, Hex 5/16-18	4
17	109051	BUMPER, Scissor	4
	300511	• SCREW, Machine #10-32 x 3/4" lg.	4
18	106756	LIGHT ASSEMBLY, Flashing (Option)	1
	104535	• BEACON, Amber	1
	103111	• BULB, 24 Volt	1
	103962	• SCREW, Machine #10-32 x 1/2" lg.	2
	104003	• NUT, Hex #10-32	2

NOTE: For hydraulic hose connections, refer to Figure 6-13.

FIGURE 6-15. SCISSOR ARM ASSEMBLY - Model 3219



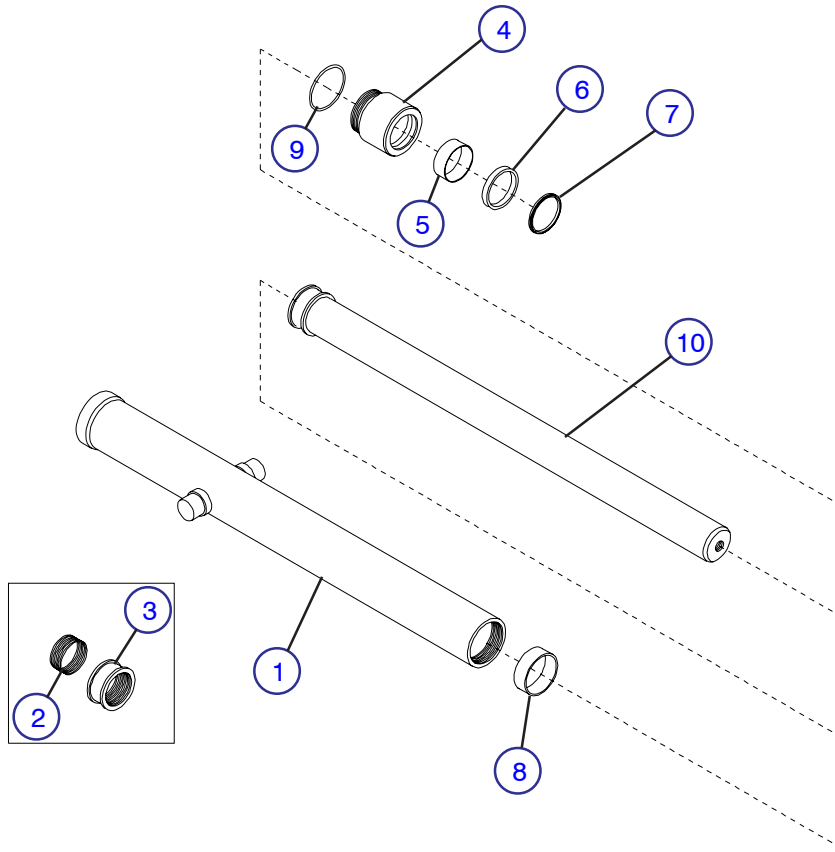
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FIGURE 6-15. SCISSOR ARM ASSEMBLY - Model 3219

Index No.	Skyjack Part No.	Description	Units per Assy.
	109928	SCISSOR STACK, Complete (less cylinder)	-
1	119089	• ARM ASSEMBLY, First level	1
2	119090	• ARM ASSEMBLY, Second level	1
	114614	• • WELDMENT, Safety bar	1
3	119091	• ARM ASSEMBLY, Third level	1
4	119092	• ARM ASSEMBLY, Fourth level	1
	(Ref.)	• KIT, Center pin service	AR
5	100071	• • BUSHING, Center pin	32
6	100900	• • PIN, Center	8
7	101520	• • WASHER, Nylon	8
8	100903	• • PIN, Retainer	8
9	310018	• PIN, End (Replaces 100046)	12
	100825	• • PIN, Roll 1/4" x 1-1/4" lg.	12
	104346	• • PIN, Cotter 1/4" x 1" lg.	12
10	100050	• BUSHING, End pin	28
11	310019	PIN, Lower roller (Replaces 100047)	2
	100825	• PIN, Retainer 1/4" x 1-3/16" lg.	2
	104346	• PIN, Cotter 1/4" x 1" lg.	2
12	100139	ROLLER ASSEMBLY, Retainer	2
	100050	• BUSHING	2
	100140	• ROLLER	2
13	100048	ROLLER ASSEMBLY, Scissors	4
	100050	• BUSHING	8
	100049	• ROLLER	4
14	102237	PIN, Top roller	2
	103855	• BOLT, Hex-hd 1/4-20 x 1/2" lg.	2
	104000	• WASHER, Lock 1/4"	2
15	110683	CYLINDER ASSEMBLY, Lift (For components, refer to Figure 6-17.)	1
16	105985	BLOCK, Cylinder rod end pivot	1
	105686	• BOLT, Hex-hd 3/4-16 x 3" lg.	1
17	101077	BLOCK, Cylinder mounting	4
	100904	• BUSHING	4
	103869	• BOLT, Hex-hd 5/16-18 x 4-1/2" lg.	4
	100397	• NUT, Hex 5/16-18	4
18	109051	BUMPER, Scissor	4
	300511	• SCREW, Machine #10-32 x 3/4" lg.	4
19	106756	LIGHT ASSEMBLY, Flashing (Option)	1
	104535	• BEACON, Amber	1
	103111	• BULB, 24 Volt	1
	103962	• SCREW, Machine #10-32 x 1/2" lg.	2
	104003	• NUT, Hex #10-32	2

NOTE: For hydraulic hose connections, refer to Figure 6-13.

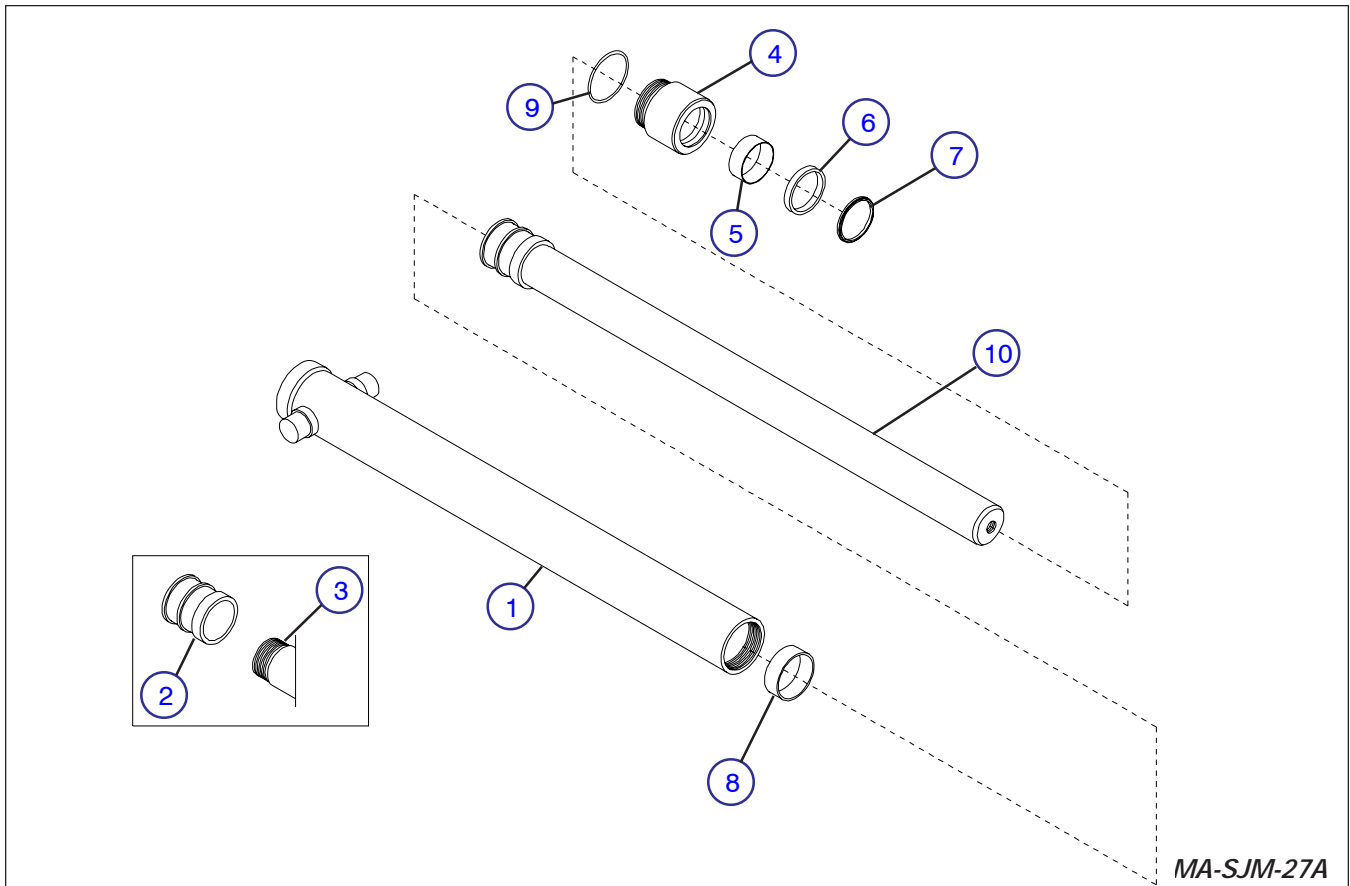
FIGURE 6-16. LIFT CYLINDER ASSEMBLY - Model 3015



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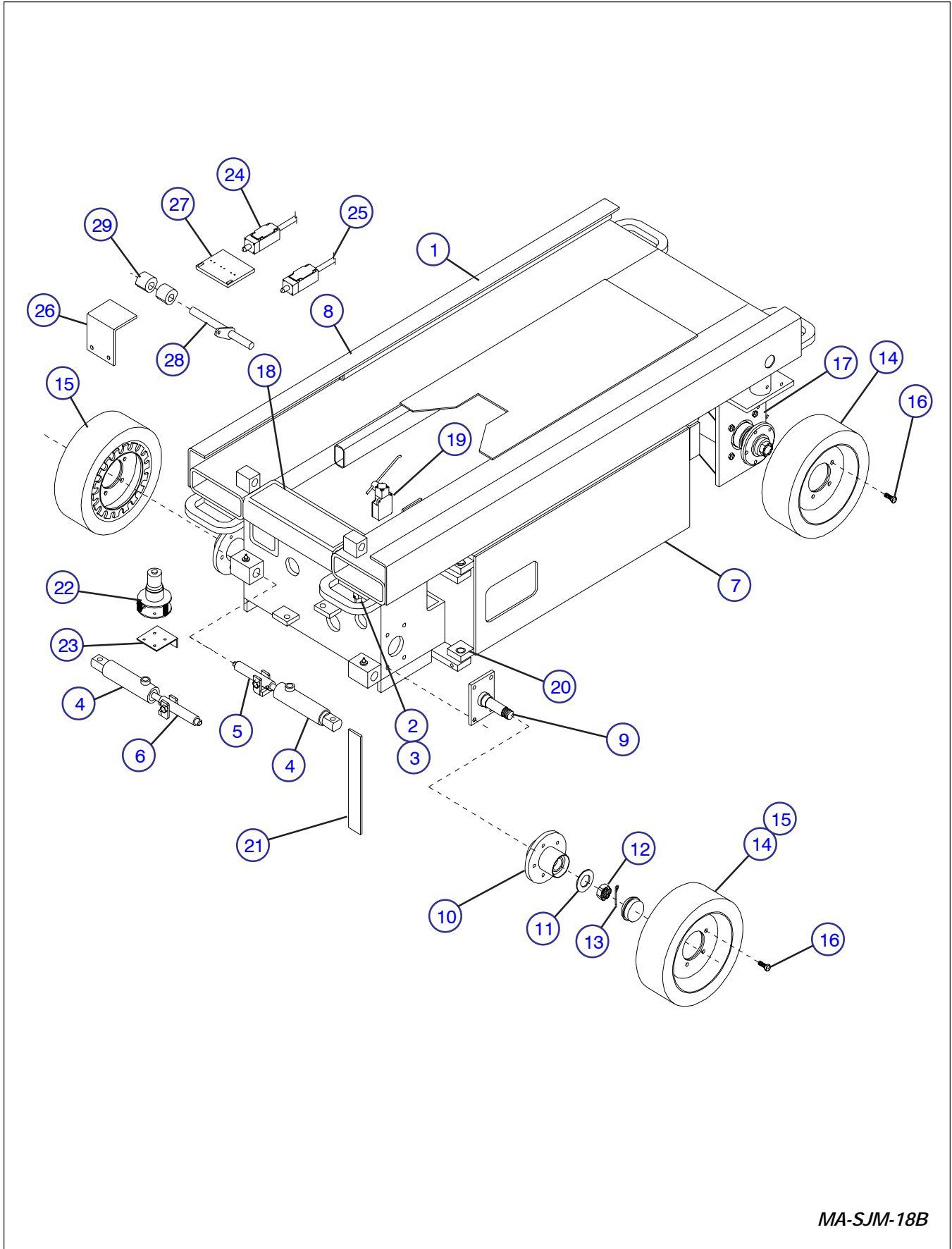
Index No.	Skyjack Part No.	Description	Units per Assy.
	106581	CYLINDER ASSEMBLY, Lift	-
1	106558	• WELDMENT, Cylinder barrel	1
2	\$	• PISTON (Order 114644)	1
3	\$	• ROD, Piston (Order 114644)	1
4	106563	• GLAND, Front end	1
*5	106227	• RING, Rod wear	1
*6	106228	• SEAL, Rod	1
*7	106229	• WIPER, Rod	1
*8	106582	• RING, Piston	1
*9	106583	• O-RING, Gland	1
10	114644	• ROD ASSEMBLY, Piston	1
	108098	KIT, Seal repair	AR
		* Part of Seal Repair Kit, 108098.	

FIGURE 6-17. LIFT CYLINDER ASSEMBLY - Model 3219



Index No.	Skyjack Part No.	Description	Units per Assy.
	110683	CYLINDER ASSEMBLY, Lift	-
1	110681	• WELDMENT, Cylinder barrel	1
2	\$	• PISTON (Order 114646)	1
3	\$	• ROD, Piston (Order 114646)	1
4	106209	• GLAND, Front end	1
*5	106219	• RING, Rod wear	1
*6	106222	• SEAL, Rod	1
*7	106221	• WIPER, Rod	1
*8	106220	• RING, Piston wear	2
*9	106223	• O-RING, Gland	1
10	114646	• ROD ASSEMBLY, Piston	1
	105888	KIT, Seal repair	AR
		* Part of Seal Repair Kit, 105888.	

FIGURE 6-18. BASE, AXLES AND WHEELS - Model 3015



MA-SJM-18B

FIGURE 6-18. BASE, AXLES AND WHEELS - Model 3015

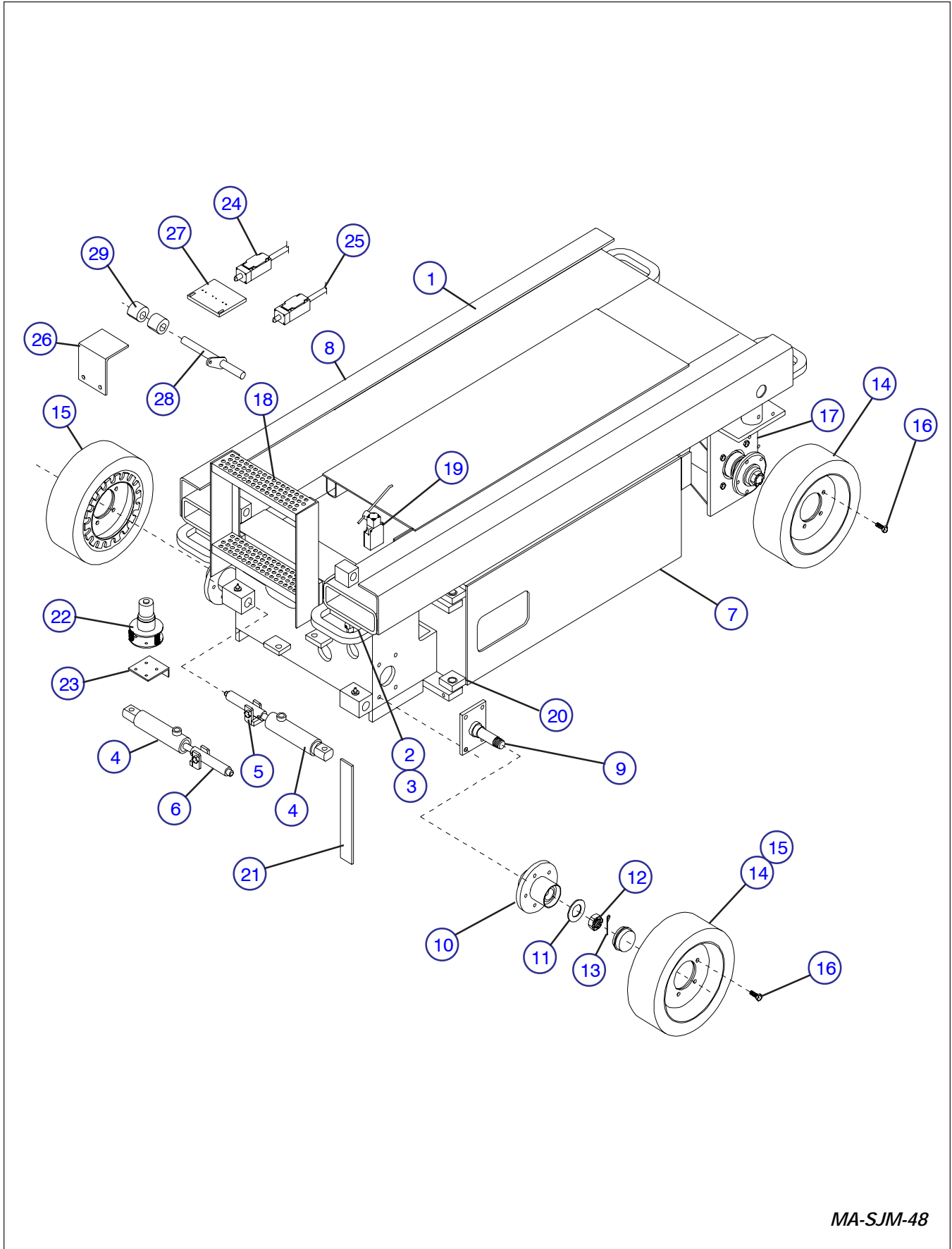
Index No.	Skyjack Part No.	Description	Units per Assy.	
1	111686	WELDMENT, Base with single brake (Serial number 15607 and above)	1	
	111685	WELDMENT, Base with dual brakes (Serial number 15607 and above)	1	
	109590	WELDMENT, Base with single brake (Serial number 15606 and below)	1	
	109591	WELDMENT, Base with dual brakes (Serial number 15606 and below)	1	
	112552	WELDMENT, Base with dual brakes (Machines with Scissor Guard Option)	1	
2	102600	SWITCH, Main power disconnect	1	
	108714	• KIT, Switch lockout	1	
3	105983	LABEL, Power off/on		
4	103817	CYLINDER ASSEMBLY, Brake (For components, refer to Figure 6-21.)		
	103897	• BOLT, Hex-hd 5/8-11 x 2" lg.	1	
	103981	• NUT, Hex 5/8-11	1	
	5	104488	WELDMENT, Brake pin LH	1
	6	105890	WELDMENT, Brake pin RH (Machines with dual brakes)	1
103940		• BOLT, Soc-hd 1/4-20 x 1-1/4" lg.	AR	
104000		• WASHER, Lock 1/4"	AR	
103980		• NUT, Hex 1/4-20	AR	
7		(Ref.) TRAY ASSEMBLY, Battery (Refer to Figure 6-40.)	1	
8	(Ref.) TRAY ASSEMBLY, Hydraulic/electric (Refer to Figure 6-27, 6-28, or 6-29)	1		
9	107503	WELDMENT, Rear axle spindle	2	
	101297	• BOLT, Hex-hd 3/8-16 x 1-1/4" lg.	8	
	103999	• WASHER, Lock 3/8"	8	
	103978	• NUT, Hex 3/8-16	8	
	10	108101	HUB ASSEMBLY, Rear axle	2
107502		• HUB, Rear axle	2	
103003		• BEARING, Cone	2	
103143		• SEAL, Grease	2	
102865		• CAP, Dust	2	
11		102829	WASHER, Flat	2
12	102749	NUT, Castle 1"-14	2	
13	103085	PIN, Cotter 3/16" x 1-1/2" lg.	2	
14	107914	WHEEL/TIRE ASSEMBLY (12 x 4.00 x 8 Black)	AR	
	108020	WHEEL/TIRE ASSEMBLY (12 x 4.00 x 8 Non-Marking)	AR	
15	107913	WHEEL/TIRE ASSEMBLY W/BRAKE (12 x 4.00 x 8 Black)	AR	
	108022	WHEEL/TIRE ASSEMBLY W/BRAKE (12 x 4.00 x 8 Non-Marking)	AR	

NOTE: Parts list continued on Page 39.

FIGURE 6-18. BASE, AXLES AND WHEELS - Model 3015 (continued)

Index No.	Skyjack Part No.	Description	Description	Units per Assy.
		NOTE: Parts list continued from Page 37.		
16	103199	BOLT, Wheel 1/2-20		20
17	(Ref.)	STEER MECHANISM	(Refer to Figure 6-23.)	1
18	108542	TREAD, Safety step		2
19	107745	SWITCH ASSEMBLY, High speed limit cut-out		1
		(ANSI/SIA and CSA)		
	102848	• SWITCH, Limit		1
	102881	• HEAD, Limit switch		1
	103142	• ARM, Limit switch		1
	103256	• CABLE, 18/2 x 16" lg.		1
	103036	• STRAIN RELIEF		1
20	310034	PIN, Eccentric tray leveler	(Replaces 100446)	2
	103887	• BOLT, Hex-hd 5/16-18 x 3/4" lg.		2
21	115420	STRAP, Ground	(Replaces 104575)	1
		(EE-Rated machines and machines with non-marking tires)		
22	117880	TILT SWITCH, 8-28 Volt	(replaces 106471)	1
	114866	• FUSE, 1 Amp		1
	119130	• KIT, 4 pole receptacle connector		1
		(Machines with Tilt Switch Option)		
23	109505	PLATE, Tilt switch mounting		1
		(Machines with Tilt Switch Option)		
24	109536	SWITCH ASSEMBLY, End-of-stroke limit		1
		(Machines with End-Of-Stroke Limit Option)		
	102668	• SWITCH, Limit		1
	103017	• HEAD, Limit switch		1
	103256	• CORD, 18/2		30" lg.
25	108119	SWITCH ASSEMBLY, High speed limit cut-out	(CE)	1
	102847	• SWITCH, Limit		1
	103017	• HEAD, Limit switch		1
	103260	• CORD, 18/5		38" lg.
	103036	• STRAIN RELIEF, 1/2"		1
26	310021	COVER, Limit switch cam		1
27	101229	PLATE, Switch adjustment		1
28	310020	PIN, Limit switch cam	(Replaces 107973)	1
29	100967	CAM, Limit switch		2

FIGURE 6-19. BASE, AXLES AND WHEELS - Model 3219



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FIGURE 6-19. BASE, AXLES AND WHEELS - Model 3219

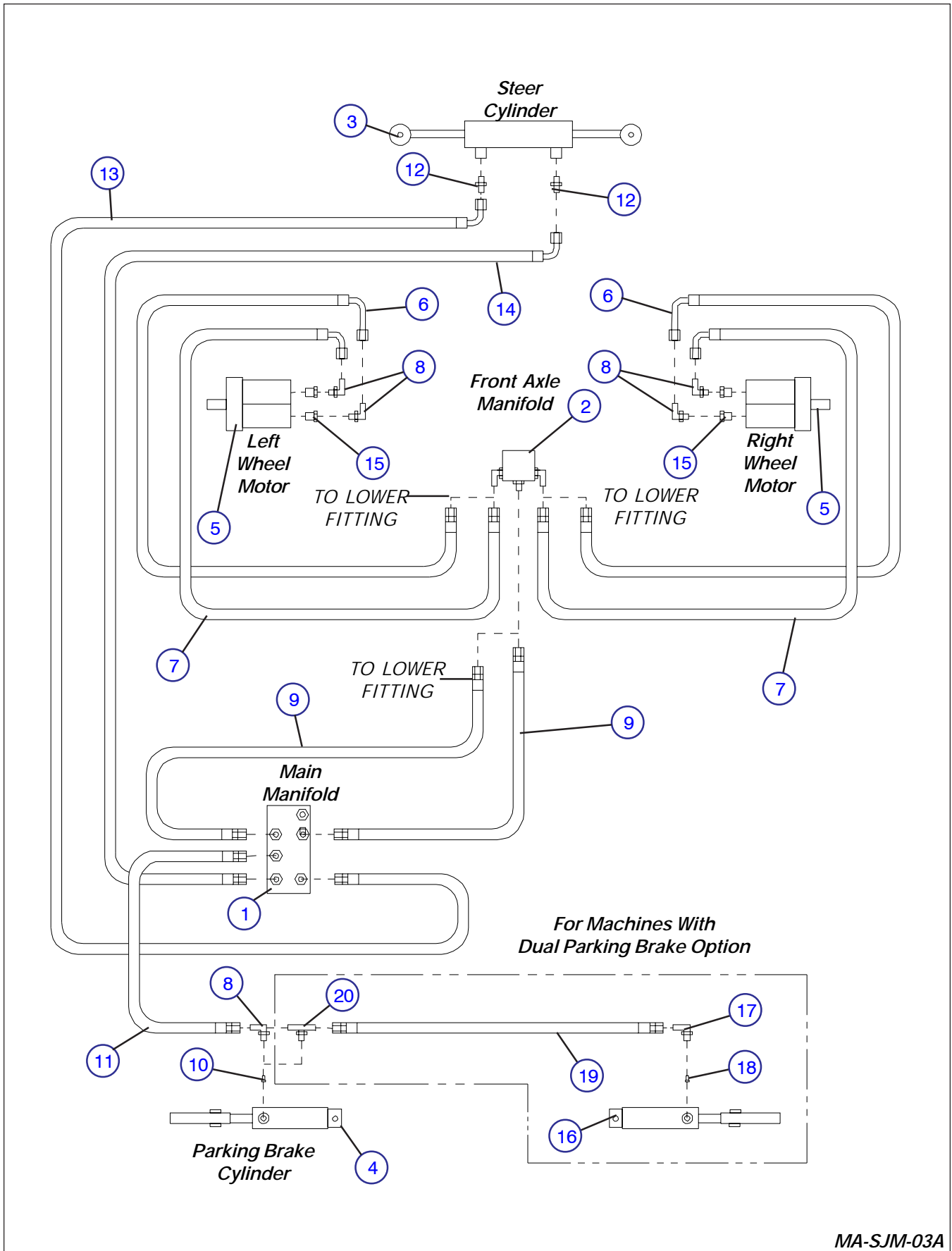
Index No.	Skyjack Part No.	Description	Units per Assy.	
1	111691	WELDMENT, Base with single brake	1	
	111690	WELDMENT, Base with dual brakes	1	
	112613	WELDMENT, Base with dual brakes (Machines with Scissor Guard Option)	1	
2	102600	SWITCH, Main power disconnect	1	
	108714	• KIT, Switch lockout	1	
3	105983	LABEL, Power off/on		
4	103817	CYLINDER ASSEMBLY, Brake (For components, refer to Figure 6-21.)		
	103897	• BOLT, Hex-hd 5/8-11 x 2" lg.	1	
	103981	• NUT, Hex 5/8-11	1	
	5	104488	WELDMENT, Brake pin LH	1
	6	105890	WELDMENT, Brake pin RH (Machines with dual brakes)	1
		103940	• BOLT, Soc-hd 1/4-20 x 1-1/4" lg.	AR
104000		• WASHER, Lock 1/4"	AR	
103980		• NUT, Hex 1/4-20	AR	
7	(Ref.)	TRAY ASSEMBLY, Battery (Refer to Figure 6-40.)	1	
8	(Ref.)	TRAY ASSEMBLY, Hydraulic/electric (Refer to Figure 6-27, 6-28 or 6-29)	1	
9	107503	WELDMENT, Rear axle spindle	2	
	101297	• BOLT, Hex-hd 3/8-16 x 1-1/4" lg.	8	
	103999	• WASHER, Lock 3/8"	8	
	103978	• NUT, Hex 3/8-16	8	
10	108101	HUB ASSEMBLY, Rear axle	2	
	107502	• HUB, Rear axle	2	
	103003	• BEARING, Cone	2	
	103143	• SEAL, Grease	2	
	102865	• CAP, Dust	2	
11	102829	WASHER, Flat	2	
12	102749	NUT, Castle 1"-14	2	
13	103085	PIN, Cotter 3/16" x 1-1/2" lg.	2	
14	107914	WHEEL/TIRE ASSEMBLY (12 x 4.00 x 8 Black)	AR	
	108020	WHEEL/TIRE ASSEMBLY (12 x 4.00 x 8 Non-Marking)	AR	
15	107913	WHEEL/TIRE ASSEMBLY W/BRAKE (12 x 4.00 x 8 Black)	AR	
	108022	WHEEL/TIRE ASSEMBLY W/BRAKE (12 x 4.00 x 8 Non-Marking)	AR	
16	103199	BOLT, Wheel 1/2-20	20	
17	(Ref.)	STEER MECHANISM (Refer to Figure 6-24.)	1	
18	109029	LADDER	2	

NOTE: Parts list continued on Page 43.

FIGURE 6-19. BASE, AXLES AND WHEELS - Model 3219 (continued)

Index No.	Skyjack Part No.	Description	Units per Assy.
		NOTE: Parts list continued from Page 41.	
19	107745	SWITCH ASSEMBLY, High speed limit cut-out (ANSI/SIA and CSA)	1
	102848	• SWITCH, Limit	1
	102881	• HEAD, Limit switch	1
	103142	• ARM, Limit switch	1
	103256	• CABLE, 18/2 x 16" lg.	1
	103036	• STRAIN RELIEF	1
20	310034	PIN, Eccentric tray leveler (Replaces 100446)	2
	103887	• BOLT, Hex-hd 5/16-18 x 3/4" lg.	2
21	115420	STRAP, Ground (Replaces 104575) (EE-Rated machines and machines with non-marking tires)	1
22	106471	TILT SWITCH, 8-28 Volt (Machines with Tilt Switch Option)	1
23	109505	PLATE, Tilt switch mounting (Machines with Tilt Switch Option)	1
24	109536	SWITCH ASSEMBLY, End-of-stroke limit (Machines with End-Of-Stroke Limit Option)	1
	102668	• SWITCH, Limit	1
	103017	• HEAD, Limit switch	1
	103256	• CABLE, 18/2 x 30" lg.	1
25	108119	SWITCH ASSEMBLY, High speed limit cut-out (CE)	1
	102847	• SWITCH, Limit	1
	103017	• HEAD, Limit switch	1
	103260	• CORD, 18/5	38" lg.
	103036	• STRAIN RELIEF. 1/2"	1
26	310022	COVER, Limit switch cam	1
27	101229	PLATE, Switch adjustment	1
28	310020	PIN, Limit switch cam (Replaces 107973)	1
29	100967	CAM, Limit switch	AR
30	108791	CLIP, Cable air hose to platform	2

FIGURE 6-20. HYDRAULIC HOSE CONNECTIONS - Base (Steer, Drive and Brake Circuits)

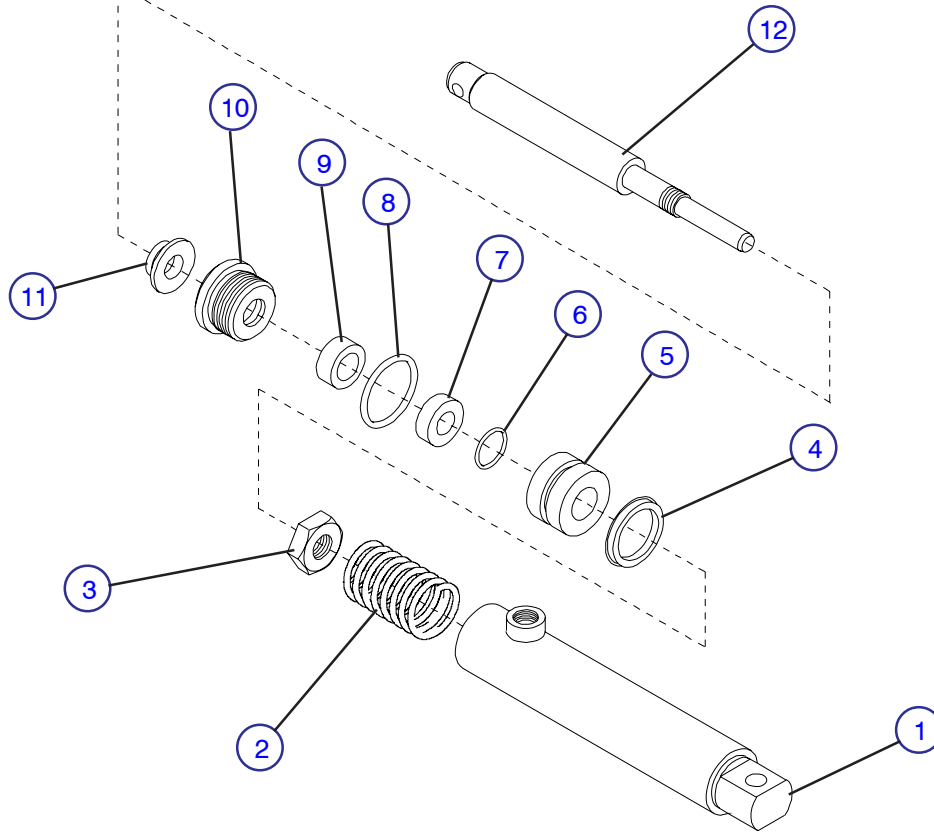


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FIGURE 6-20. HYDRAULIC HOSE CONNECTIONS - Base (Steer, Drive and Brake Circuits)

Index No.	Skyjack Part No.	Description	Units per Assy.
1	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figures 6-33, 6-34 or 6-35.)	1
2	(Ref.)	MANIFOLD ASSEMBLY, Front axle (Refer to Figure 6-25.)	1
3	(Ref.)	CYLINDER ASSEMBLY, Steer (Refer to Figure 6-22.)	1
4	(Ref.)	CYLINDER ASSEMBLY, Brake (Refer to Figure 6-21.)	1
5	(Ref.)	MOTOR, Hydraulic drive (Refer to Figure 6-23 or Figure 6-24.)	2
6	107731	HOSE ASSEMBLY, Drive 25" lg. w/long 90° tube)	2
7	107732	HOSE ASSEMBLY, Drive 25" lg. w/short 90° tube)	2
8	114578	FITTING, Elbow 90° #6-#6 (replaces 103073)	5
9	107733	HOSE ASSEMBLY, Main manifold to front axle manifold	2
10	105811	ORIFICE, Brake .040 dia.	1
11	107735	HOSE ASSEMBLY, Brake	1
12	103069	FITTING, Connector #6orb-#6	2
13	107736	HOSE ASSEMBLY, Steer LH	1
14	107737	HOSE ASSEMBLY, Steer RH	1
15	103074	FITTING, Adapter #10orb-#6orb	4
<i>The following parts are for machines equipped with Dual Brake Option:</i>			
16	(Ref.)	CYLINDER ASSEMBLY, Brake (Refer to Figure 6-21.)	1
17	114578	FITTING, Elbow 90° #6-#6 (replaces 103073)	1
18	105811	ORIFICE, Brake .040 dia.	1
19	107739	HOSE ASSEMBLY, Brake to brake	1
20	103309	FITTING, Tee #6orb-#6	1

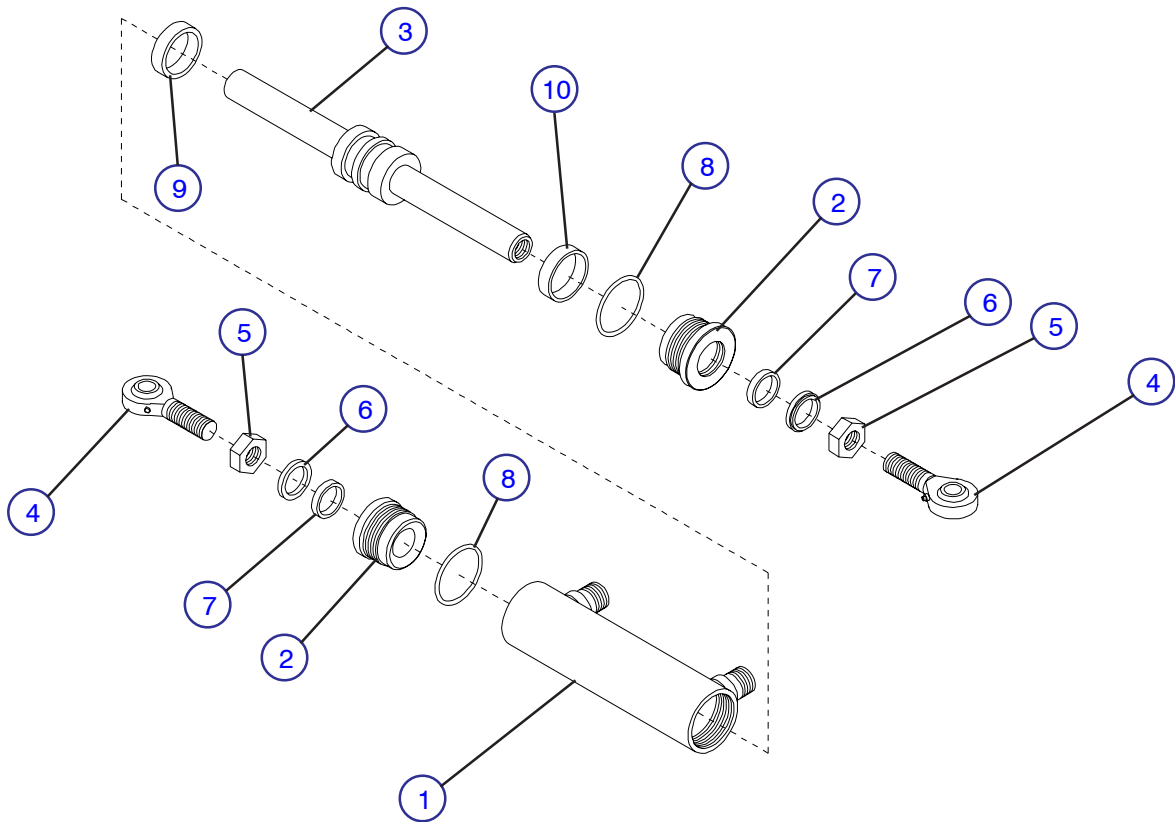
FIGURE 6-21. BRAKE CYLINDER ASSEMBLY



MA-SJM-17

Index No.	Skyjack Part No.	Description	Units per Assy.
	103817	CYLINDER ASSEMBLY, Brake	-
1	105410	• HOUSING, Brake cylinder	1
2	102844	• SPRING, Brake return	1
3	103830	• NUT, Lock 5/8-11 grade C	1
*4	103825	• SEAL, Piston	1
5	112259	• PISTON (Replaces 103820)	1
*6	103829	• O-RING, Piston	1
7	103822	• SPACER	1
*8	103828	• O-RING, Gland	1
*9	103826	• SEAL, Rod	1
10	103819	• GLAND, Cylinder end	1
*11	103827	• WIPER, Rod	1
12	103821	• ROD, Brake	1
	105816	KIT, Seal repair	AR
		* Part of Seal Repair Kit, 105816.	

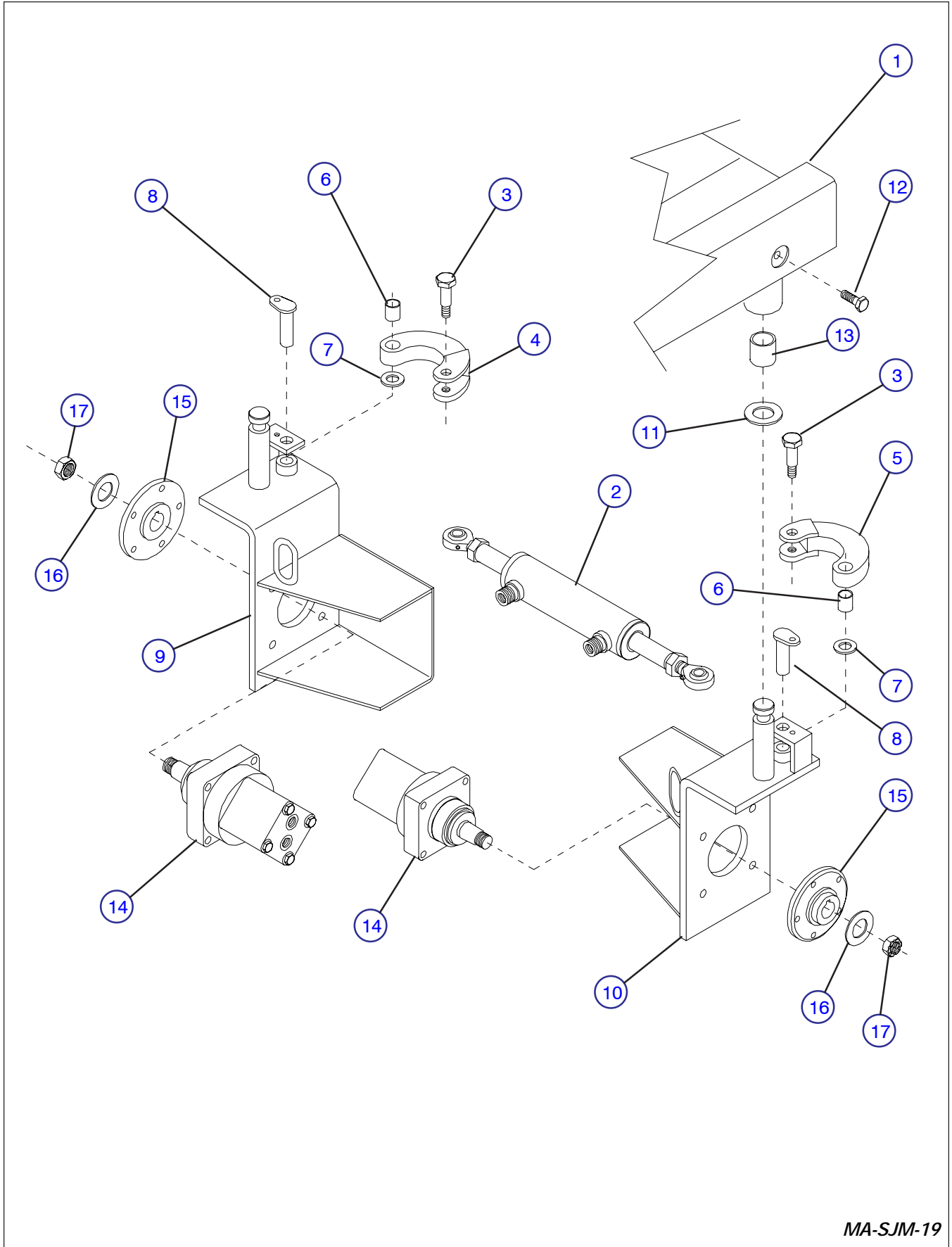
FIGURE 6-22. STEER CYLINDER ASSEMBLY



MA-SJM-08

Index No.	Skyjack Part No.	Description	Units per Assy.
A	107932	CYLINDER ASSEMBLY, Steer (Model 3015 & Later Model 3219)	-
B	\$	CYLINDER ASSEMBLY, Steer (Early Model 3219)	-
1	107943	• HOUSING, Steer cylinder	1
2	107942	• CAP, Cylinder end	2
3	107939	• WELDMENT, Rod/piston, A	1
	109550	• WELDMENT, Rod/piston, B	1
4	107143	• END, Male spherical rod	2
	119127	• • FITTING, Grease (press in)	2
5	106450	• NUT, Jam 3/4-16	2
*6	107144	• WIPER, Rod	2
*7	107146	• SEAL, Rod	2
*8	107934	• O-RING, End cap	2
*9	107935	• SEAL, Piston	1
*10	107936	• RING, Piston wear	1
	108099	KIT, Seal repair	AR
		* Part of Seal Repair Kit, 108099.	
		\$ Not available for service, order (1) Cylinder, 107932 (1) Steer Arm, 111300 and (1) Steer Arm, 111306.	

FIGURE 6-23. STEER MECHANISM - Model 3015



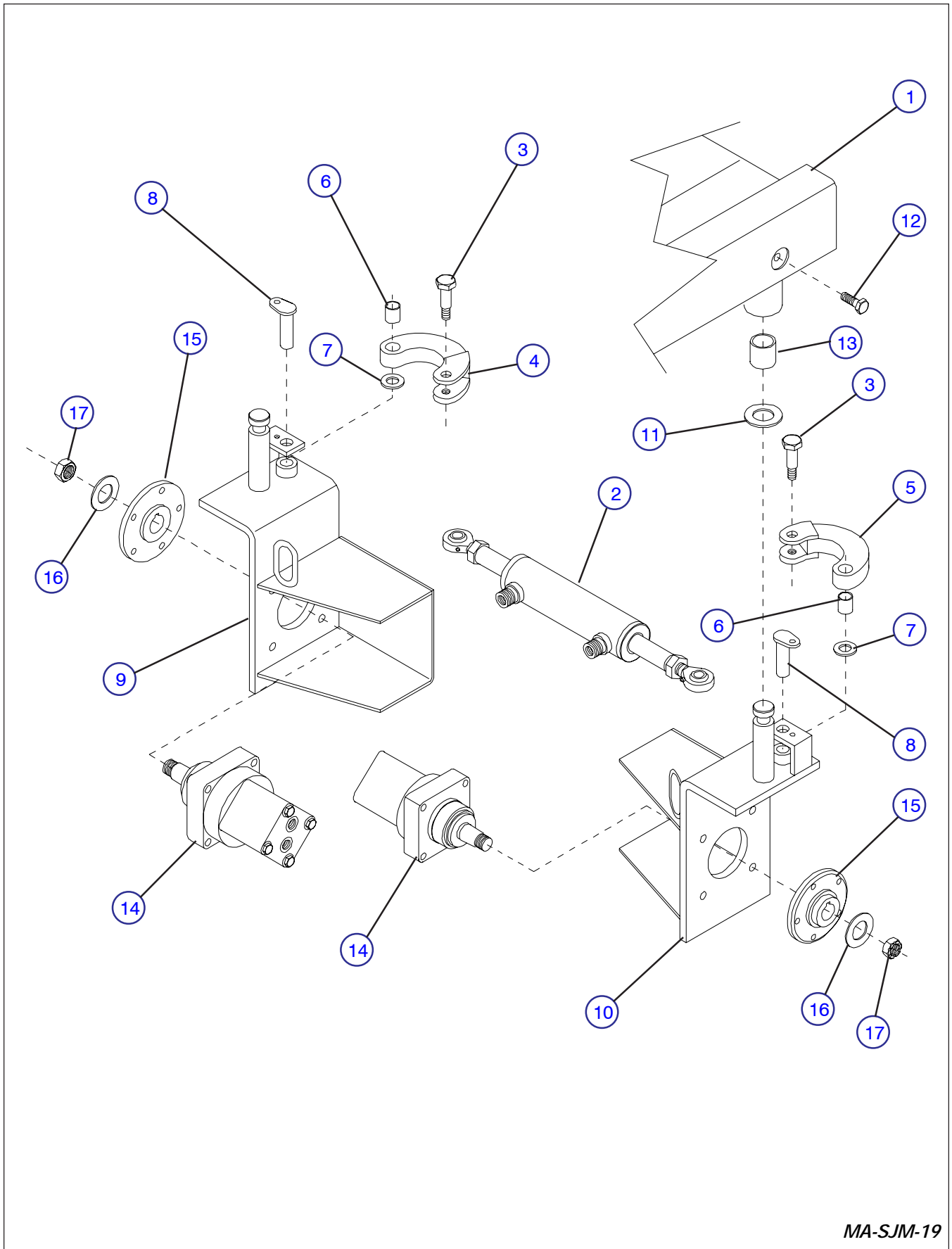
MA-SJM-19

FIGURE 6-23. STEER MECHANISM - Model 3015

Index No.	Skyjack Part No.	Description	Units per Assy.
1	(Ref.)	WELDMENT, Base (Refer to Figure 6-18.)	1
2	(Ref.)	CYLINDER ASSEMBLY, Steer (For components, refer to Figure 6-22.)	1
	107948	• WASHER, Tooth lock 1"	2
	107947	• NUT, Jam 1"-14	2
3	107951	BOLT, Shoulder 1/2-13	2
	104129	• WASHER, Brass 5/8" x 1" x 7/64" thk.	2
	107949	• NUT, Jam 1/2-13	2
4	107955	ARM, Steer LH with 3/4" bushings (Note A)	1
	107176	ARM, Steer LH with 5/8" bushings (Note B)	1
5	107953	ARM, Steer RH with 3/4" bushings (Note A)	1
	107094	ARM, Steer RH with 5/8" bushings (Note B)	1
6	100050	BUSHING, Pivot 3/4"	2
	109109	BUSHING, Pivot 5/8"	2
7	104129	WASHER, Bronze 3/4" x 1-3/8" x 1/8" thk.	2
	101200	WASHER, Bronze 5/8" x 1" x 1/8" thk.	2
8	107956	PIN, Steer arm 3/4" x 2-11/16" lg.	2
	107099	PIN, Steer arm 5/8" x 2-11/16" lg.	2
	103845	• BOLT, Hex-hd 5/16-18 x 1/2" lg.	2
	103404	• WASHER, Lock 5/16"	2
9	111689	HOUSING, Wheel motor LH (Note C)	1
	107926	HOUSING, Wheel motor LH (Note D)	1
	\$	HOUSING, Wheel motor LH (Note X)	1
10	111688	HOUSING, Wheel motor RH (Note C)	1
	107925	HOUSING, Wheel motor RH (Note D)	1
	\$	HOUSING, Wheel motor RH (Note Y)	1
11	107952	WASHER, Bronze 1-1/4" x 2-1/4" x 1/8" thk.	2
12	107963	BOLT, Brass retainer	2
	107964	• WASHER, Tooth lock 1/2"	2
13	100071	BUSHING, Steer spindle 1-1/4"	6
14	110701	MOTOR, Hydraulic drive (#HB04075370X) (Replaces 107515, #HB0407030X)	2
	110702	• KIT, Motor seal (For motor, 110701)	AR
	110703	• KIT, Motor seal (For motor, 107515)	AR
	103901	• BOLT, Hex-hd 1/2-13 x 2-1/2" lg.	8
	103470	• WASHER, Lock 1/2"	8
	103471	• NUT, Hex 1/2-13	8
15	108100	HUB, Drive wheel	2
16	103789	WASHER, Tooth lock 1"	2
17	106451	NUT, Wheel motor	2

Note A - Machines with serial number 15200 & above.
Note B - Machines with serial number 15199 & below.
Note C - Machines with serial number 15607 & above.
Note D - Machines with serial number 15200 to 15606.
Note X - Machines with 5/8" bushings, order -1- Housing, 107926; -1- Arm, 107955; and -1- Washer, 104129.
Note Y - Machines with 5/8" bushings, order -1- Housing, 107925; -1- Arm, 107953; and -1- Washer, 104129.

FIGURE 6-24. STEER MECHANISM - Model 3219

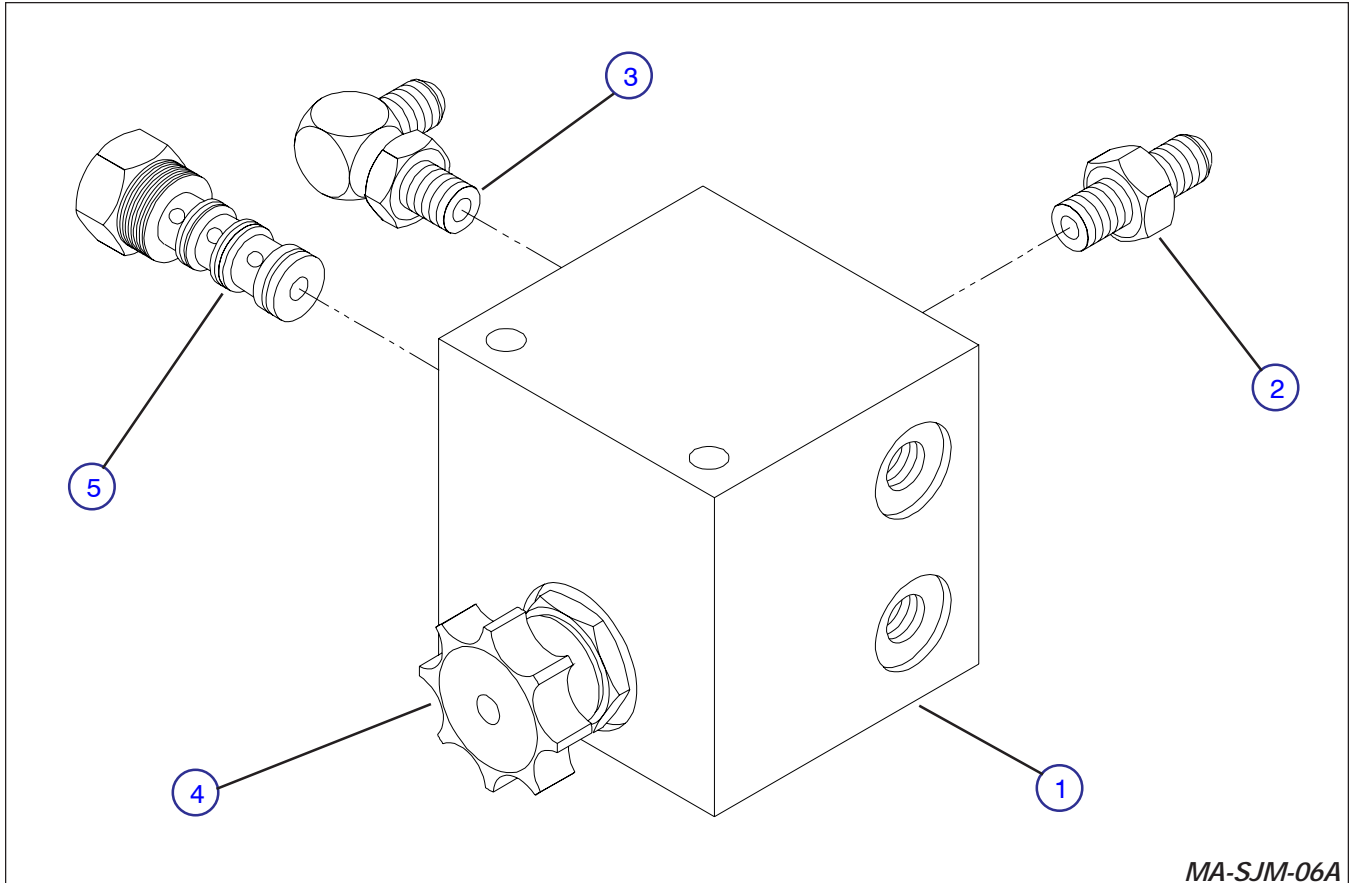


MA-SJM-19

FIGURE 6-24. STEER MECHANISM - Model 3219

Index No.	Skyjack Part No.	Description	Units per Assy.
1	(Ref.)	WELDMENT, Base (Refer to Figure 6-19.)	1
2	(Ref.)	CYLINDER ASSEMBLY, Steer (For components, refer to Figure 6-22.)	1
	107948	• WASHER, Tooth lock 1"	2
	107947	• NUT, Jam 1"-14	2
3	107951	BOLT, Shoulder 1/2-13	2
	104129	• WASHER, Brass 5/8" x 1" x 7/64" thk.	2
	107949	• NUT, Jam 1/2-13	2
4	111300	ARM, Steer LH with 3/4" bushings (Note J)	1
	107955	ARM, Steer LH with 3/4" bushings (Note K)	1
5	111306	ARM, Steer RH with 3/4" bushings (Note J)	1
	107953	ARM, Steer RH with 3/4" bushings (Note K)	1
6	100050	BUSHING, Pivot 3/4"	2
7	104129	WASHER, Bronze 3/4" x 1-3/8" x 1/8" thk.	2
8	107956	PIN, Steer arm 3/4" x 2-11/16" lg.	2
	103845	• BOLT, Hex-hd 5/16-18 x 1/2" lg.	2
	103404	• WASHER, Lock 5/16"	2
9	111689	HOUSING, Wheel motor LH	1
10	111688	HOUSING, Wheel motor RH	1
11	107952	WASHER, Bronze 1-1/4" x 2-1/4" x 1/8" thk.	2
12	107963	BOLT, Brass retainer	2
	107964	• WASHER, Tooth lock 1/2"	2
13	100071	BUSHING, Steer spindle 1-1/4"	6
14	110701	MOTOR, Hydraulic drive (#HB04075370X) (Replaces 107515, #HB0407030X)	2
	110702	• KIT, Motor seal (For motor, 110701)	AR
	110703	• KIT, Motor seal (For motor, 107515)	AR
	103901	• BOLT, Hex-hd 1/2-13 x 2-1/2" lg.	8
	103470	• WASHER, Lock 1/2"	8
	103471	• NUT, Hex 1/2-13	8
15	108100	HUB, Drive wheel	2
16	103789	WASHER, Tooth lock 1"	2
17	106451	NUT, Wheel motor	2
		Note J - Machines with 6-1/8" arm hole centers Note K - Machines with 4-1/8" arm hole centers.	

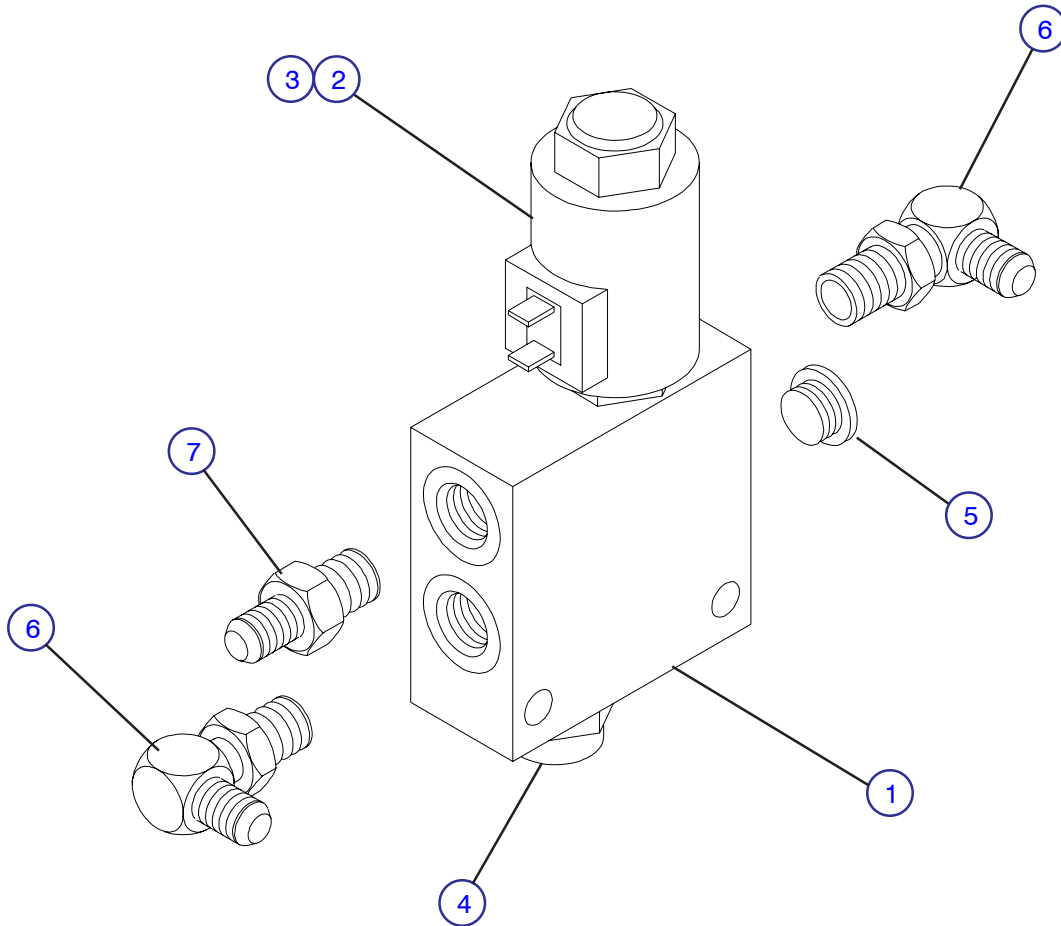
FIGURE 6-25. FRONT AXLE MANIFOLD ASSEMBLY



MA-SJM-06A

Index No.	Skyjack Part No.	Description	Units per Assy.
	108440	MANIFOLD ASSEMBLY, Front axle (Replaces 107747)	-
1	107369	• BLOCK, Manifold	1
	108506	• • PLUG, Expander	3
2	103069	• FITTING, Connector #6orb-#6	2
3	103073	• FITTING, Elbow 90° #6orb-#6	4
4	103136	• VALVE, Free-wheeling	1
5	103354	• VALVE, Flow divider/combiner	1

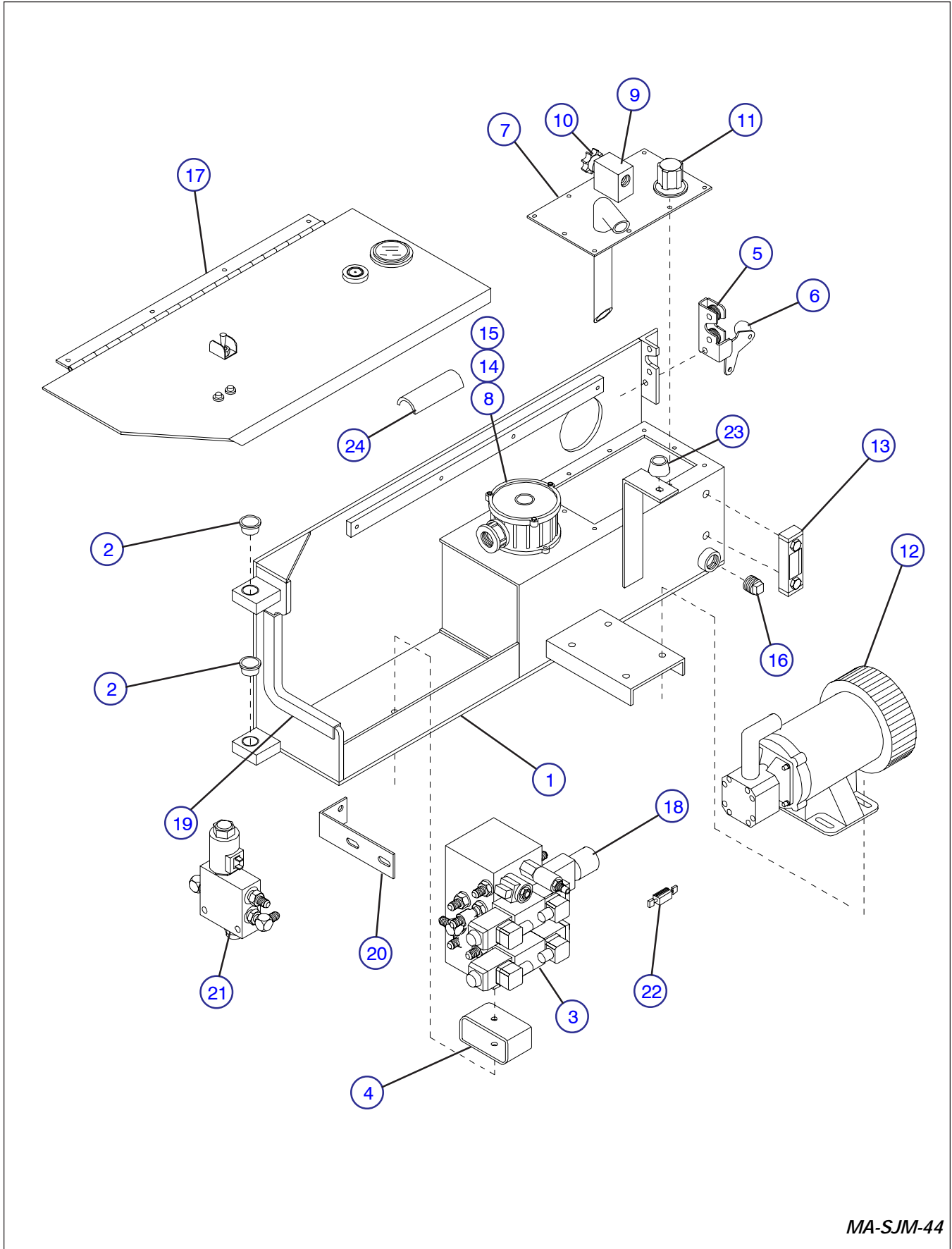
FIGURE 6-26. PROPORTIONAL VALVE MANIFOLD ASSEMBLY



MA-SJM-41

Index No.	Skyjack Part No.	Description	Units per Assy.
	115308	MANIFOLD ASSEMBLY, Proportional valve (Consists of items 1 thru 5)	1
1	115349	• BLOCK, Proportional manifold	1
2	115350	• VALVE, Proportional	1
3	115370	• COIL, 24 Volt (proportional valve)	1
4	115381	• VALVE, Pressure compensator	1
5	115320	• PLUG, Soc-hd #8orb	1
6	102665	FITTING, Elbow 90° #8orb-#6	2
7	103070	FITTING, Connector #8orb-#8	1

FIGURE 6-27. HYDRAULIC/ELECTRIC TRAY ASSEMBLY
Proportional Drive and Lift



MA-SJM-44

**FIGURE 6-27. HYDRAULIC/ELECTRIC TRAY ASSEMBLY
Proportional Drive and Lift**

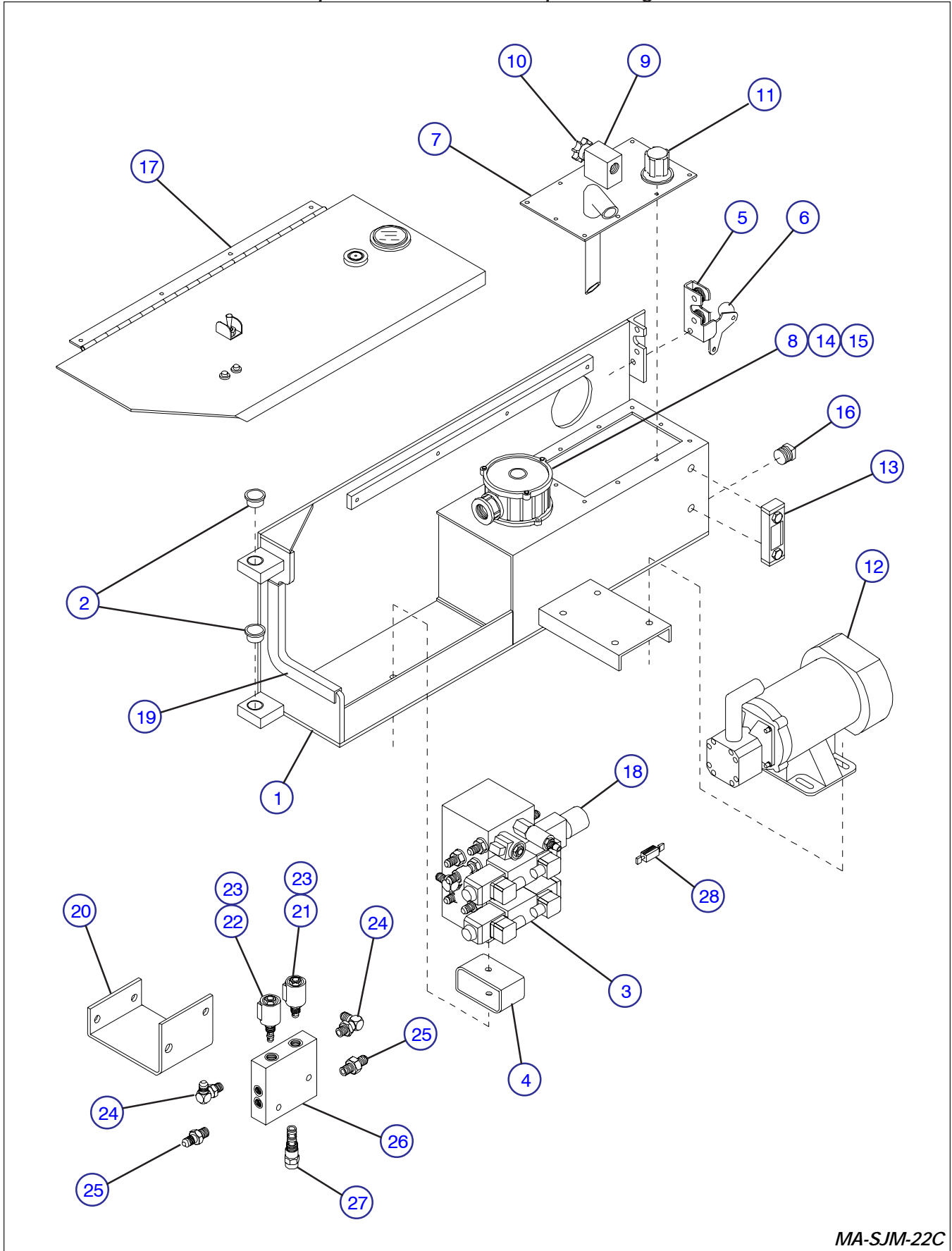
Index No.	Skyjack Part No.	Description	Units per Assy.
1	106613	WELDMENT, Hydraulic/electric tray	1
2	100335	BUSHING, Bronze	2
3	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figure 6-33)	1
	103873	• BOLT, Hex-hd 3/8-16 x 2-1/2" lg.	1
	103999	• WASHER, Lock 3/8"	1
4	109393	SPACER, Manifold	
5	102781	LATCH, Hydraulic/electric tray	1
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	3
6	111534	KNOB, Rotary latch	1
	103857	BOLT, Hex-hd 1/4-20	1
	104000	WASHER, Flat 1/4	1
	103980	NUT, 1/4-20	1
7	109270	WELDMENT, Tank cover	1
	103962	• SCREW, Machine #10-32 x 1/2" lg.	10
8	109568	FILTER ASSEMBLY, Return (#12orb thread)	1
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	2
	103404	• WASHER, Lock 5/16"	2
	100397	• NUT, Hex 5/16-18	2
	104254	• ELEMENT, Filter	1
9	103137	MANIFOLD, Lowering valve (Machines with rotary-type lowering valve)	1
	107493	MANIFOLD, Lowering valve (Machines with pull-type lowering valve)	1
10	103136	VALVE, Lowering (rotary-type)(velocity fuse)	1
	107271	VALVE, Lowering (pull-type)(holding valve)	1
11	102693	CAP W/GASKET, Filler/breather	1
	103962	• SCREW, Machine #10-32 x 1/2" lg.	3
12	310010	PUMP & 4 Hp MOTOR ASSEMBLY (Standard machines) (Model 3015 with Serial Number 18539 and above) (Model 3219 with Serial Number 220599 and above)	1
	117140	• PUMP, Hydraulic	1
	106576	• MOTOR, 4 Hp, 24VDC	1
	\$	PUMP & 1 Hp MOTOR ASSEMBLY (order 310010)	1
	107485	• PUMP, Hydraulic	1
	107486	• MOTOR, 1 Hp, 24VDC	1
	108948	PUMP & MOTOR ASSEMBLY (EE-Rated machines)	1
	109216	• PUMP, Hydraulic	1
	107081	• MOTOR, 24VDC	1
	109174	• BRUSHES (Set of 8)	1
	109175	• SPRING	8
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	4
	103996	• WASHER, Flat 5/16"	4
	104637	• WASHER, Lock 5/16"	4
	100397	• NUT, Hex 5/16-18	4

NOTE: Parts list continued on Page 57.

**FIGURE 6-27. HYDRAULIC/ELECTRIC TRAY ASSEMBLY
Proportional Drive and Lift (continued)**

Index No.	Skyjack Part No.	Description	Units per Assy.
		NOTE: Parts list continued from Page 55.	
13	103236	GAUGE, Oil level/temp	1
14	102918	HOSE, Tank 1"	1
15	103320	CLAMP, Worm #16	1
16	103339	FITTING, Drain plug (magnetic)	1
17	(Ref.)	PANEL ASSEMBLY, Electrical (For components, refer to Figure 6-35.)	1
	103855	• BOLT, Hex-hd 1/4-20 x 1/2" lg.	4
	104000	• WASHER, Lock 1/4"	4
18	(Ref.)	MANIFOLD ASSEMBLY, Cushion valve (For components, refer to Figure 6-33.)	1
19	103090	COVER, Edge 15" lg.	1
20	310024	BRACKET, Proportional valve manifold	1
	103073	• BOLT, hex-hd 3/8-16 x 1" lg.	2
	103999	• WASHER, Lock 3/8"	2
	103978	• NUT, Hex 3/8-16	2
21	115308	MANIFOLD ASSEMBLY, Proportional valve (For components, refer to Figure 6-23.)	1
	103872	• BOLT, Hex-hd 3/8-16 x 2-1/4" lg.	2
	103999	• WASHER, Lock 3/8"	2
	103978	• NUT, Hex 3/8-16	2
22	110998	RESISTOR ASSEMBLY, Battery protection (option)	1
23	112447	• BUMPER	1
	103940	• • BOLT, Soc-hd 1/4-20 x 1-1/4" lg.	1
	103995	• • WASHER, Flat 1/4	1
	104000	• • WASHER, Lock 1/4	1
	103980	• • NUT, 1/4-20	1
24	110007	PROTECTOR, Edge	AR
		NOTE: For hydraulic hose connections, refer to Figure 6-30.	

**FIGURE 6-28. HYDRAULIC/ELECTRIC TRAY ASSEMBLY
2-Speed Drive With Hi-Torque Package**



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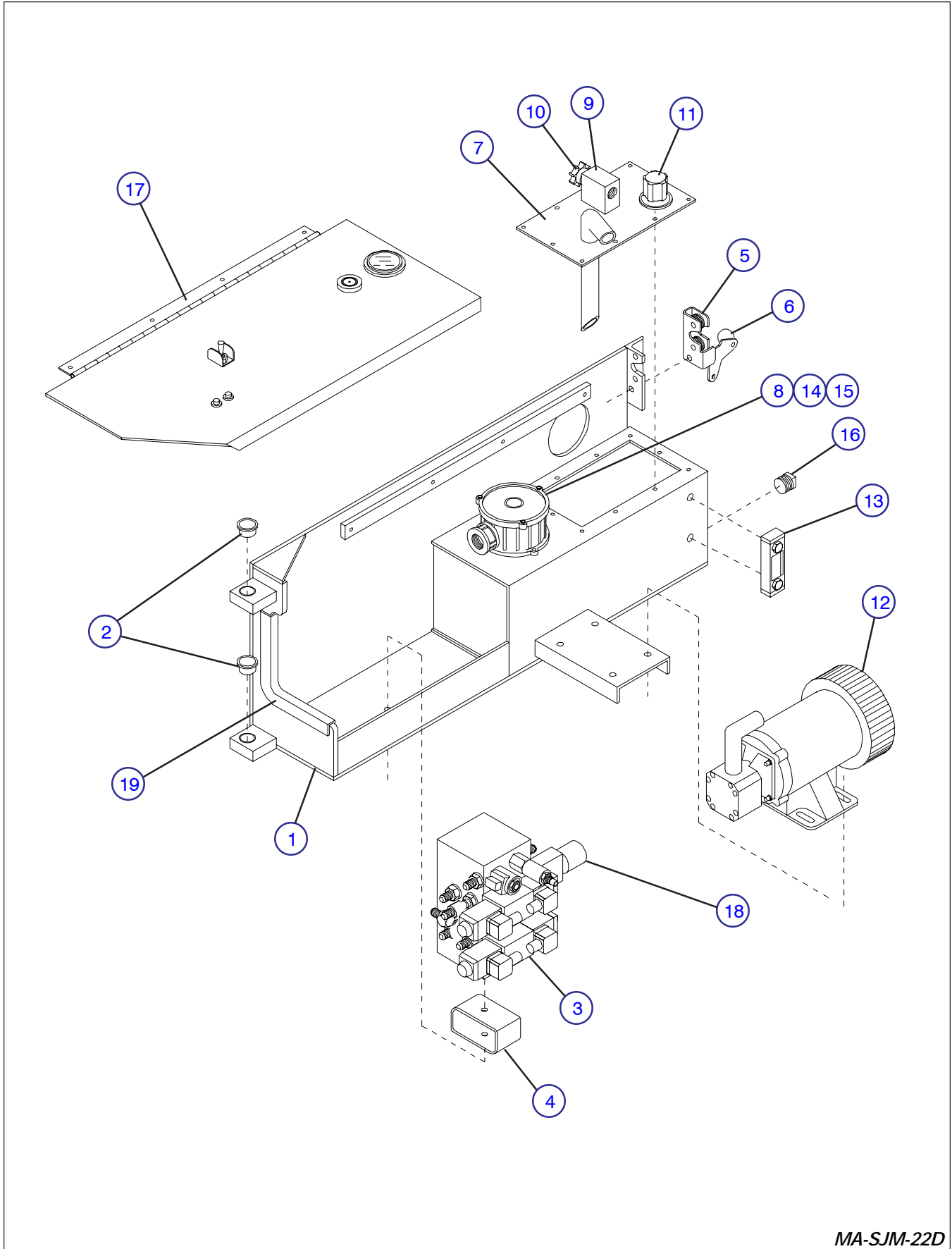
**FIGURE 6-28. HYDRAULIC/ELECTRIC TRAY ASSEMBLY
2-Speed Drive With Hi-Torque Package**

Index No.	Skyjack Part No.	Description	Units per Assy.
1	106613	WELDMENT, Hydraulic/electric tray	1
2	100335	BUSHING, Bronze	2
3	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figure 6-34.)	1
	103873	• BOLT, Hex-hd 3/8-16 x 2-1/2" lg.	1
	103999	• WASHER, Lock 3/8"	1
4	109393	SPACER, Manifold	
5	102781	LATCH, Hydraulic/electric tray	1
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	3
6	111534	KNOB, Rotary latch	1
7	109270	WELDMENT, Tank cover	1
	103962	• SCREW, Machine #10-32 x 1/2" lg.	10
8	109568	FILTER ASSEMBLY, Return (#12orb thread)	1
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	2
	103404	• WASHER, Lock 5/16"	2
	100397	• NUT, Hex 5/16-18	2
	104254	• ELEMENT, Filter	1
9	103137	MANIFOLD, Lowering valve (Machines with rotary-type lowering valve)	1
	107493	MANIFOLD, Lowering valve (Machines with pull-type lowering valve)	1
10	103136	VALVE, Lowering (rotary-type)(velocity fuse)	1
	107271	VALVE, Lowering (pull-type)(holding valve)	1
11	102693	CAP W/GASKET, Filler/breather	1
	103962	• SCREW, Machine #10-32 x 1/2" lg.	3
12	310010	PUMP & 4 Hp MOTOR ASSEMBLY (Std. machines) (Model 3015 with Serial Number 18539 and above) (Model 3219 with Serial Number 220599 and above)	1
	117140	• PUMP, Hydraulic	1
	106576	• MOTOR, 4 Hp, 24VDC	1
	\$	PUMP & 1 Hp MOTOR ASSEMBLY (order 310010)	1
	107485	• PUMP, Hydraulic	1
	107486	• MOTOR, 1 Hp, 24VDC	1
	108948	PUMP & MOTOR ASSEMBLY (EE-Rated machines)	1
	109216	• PUMP, Hydraulic	1
	107081	• MOTOR, 24VDC	1
	109174	• BRUSHES (Set of 8)	1
	109175	• SPRING	8
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	4
	103996	• WASHER, Flat 5/16"	4
	103404	• WASHER, Lock 5/16"	4
	100397	• NUT, Hex 5/16-18	4
NOTE: Parts list continued on Page 61.			

**FIGURE 6-28. HYDRAULIC/ELECTRIC TRAY ASSEMBLY
2-Speed Drive With Hi-Torque Package (cont.)**

Index No.	Skyjack Part No.	Description	Units per Assy.
		NOTE: Parts list continued from Page 59.	
13	103236	GAUGE, Oil level/temp	1
14	102918	HOSE, Tank 1"	1
15	103320	CLAMP, Worm #16	1
16	103339	FITTING, Drain plug (magnetic)	1
17	(Ref.)	PANEL ASSEMBLY, Electrical (For components, refer to Figure 6-36, 6-37, 6-38, 6-39 or 6-40.)	1
	103855	• BOLT, Hex-hd 1/4-20 x 1/2" lg.	4
	104000	• WASHER, Lock 1/4"	4
18	(Ref.)	MANIFOLD ASSEMBLY, Cushion valve (For components, refer to Figure 6-34.)	1
19	103090	COVER, Edge 15" lg.	1
20	400088	BRACKET, High torque manifold	1
	103473	• BOLT, Hex-hd 3/8-16 x 1" lg.	2
	103999	• WASHER, Lock 3/8"	2
	103978	• NUT, Hex 3/8-16	2
21	104132	VALVE, N.C. (speed control)	1
22	103623	VALVE, 3-Way (brake)	1
23	103605	COIL, 24 Volt	2
24	103073	FITTING, Elbow 90° #6orb-#6	2
25	103069	FITTING, Connector #6orb-#6	2
26	400085	MANIFOLD, Torque/speed control	1
	103872	• BOLT, Hex-hd 3/8-16 x 2-1/4" lg.	2
	103999	• WASHER, Lock 3/8"	2
	103978	• NUT, Hex 3/8-16	2
27	400087	FLOW CONTROL, Fixed 0.8 gpm	1
28	110998	RESISTOR ASSEMBLY, Battery protection (option)	1
		NOTE: For hydraulic hose connections, refer to Figure 6-31.	

FIGURE 6-29. HYDRAULIC/ELECTRIC TRAY ASSEMBLY - 2-Speed Drive



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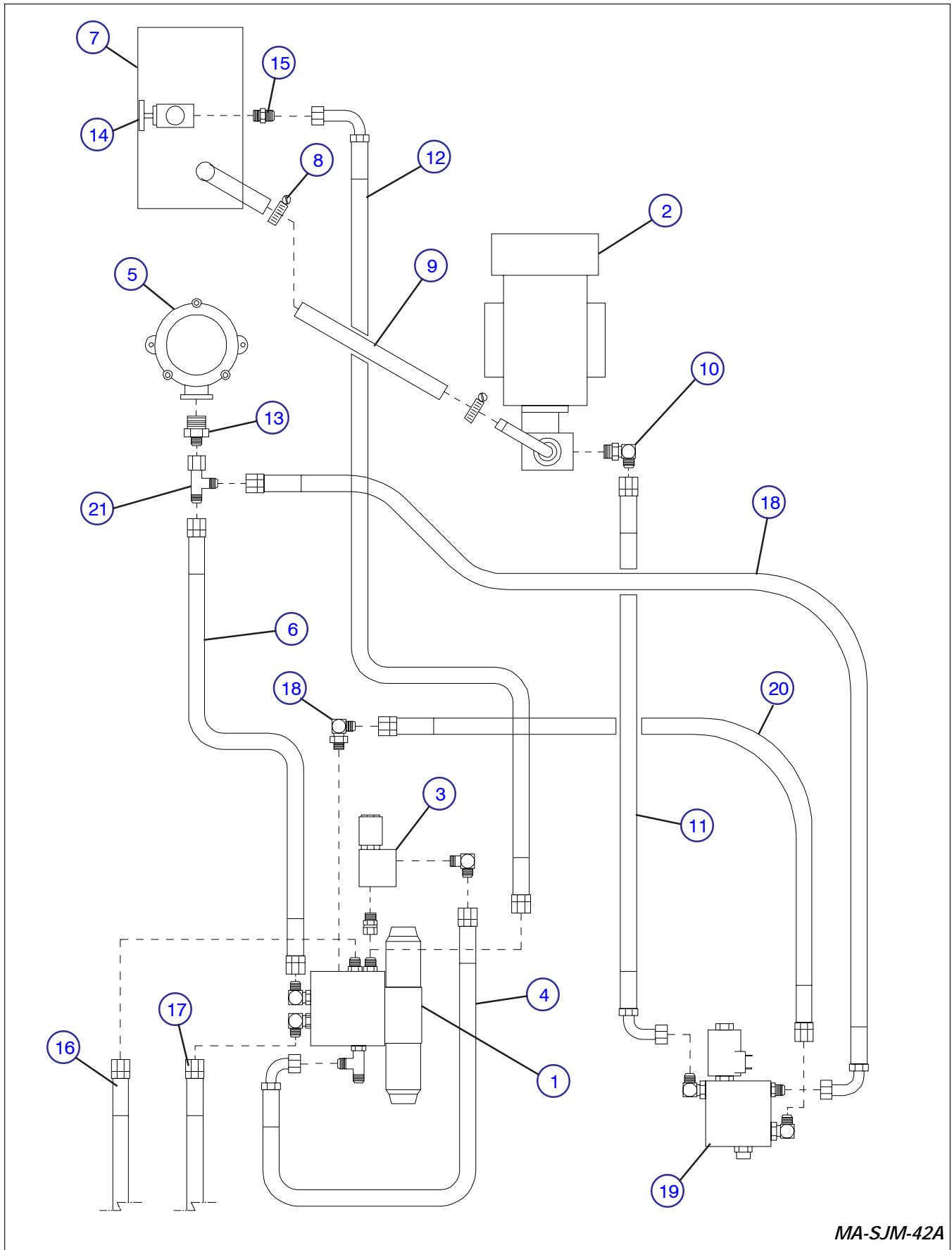
FIGURE 6-29. HYDRAULIC/ELECTRIC TRAY ASSEMBLY - 2-Speed Drive

Index No.	Skyjack Part No.	Description	Units per Assy.
1	106613	WELDMENT, Hydraulic/electric tray	1
2	100335	BUSHING, Bronze	2
3	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figure 6-35.)	1
	103873	• BOLT, Hex-hd 3/8-16 x 2-1/2" lg.	1
	103999	• WASHER, Lock 3/8"	1
4	109393	SPACER, Manifold	
5	102781	LATCH, Hydraulic/electric tray	1
	103886	• BOLT, Hex-hd 5/16-18 x 1-1/2" lg.	3
	103984	• NUT, Lock 5/16-18	3
6	111534	KNOB, Rotary latch	1
7	109270	WELDMENT, Tank cover	1
		(Replaces cover, 106629; 3/4" tube, 106639)	
	103962	• SCREW, Machine #10-32 x 1/2" lg.	10
8	109568	FILTER ASSEMBLY, Return (#12orb thread)	1
		(Model 3015 with S/N 15556 and above and Model 3219)	
	102877	FILTER ASSEMBLY, Return (1/2P thread)	1
		(Model 3015 with S/N 15555 and below)	
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	2
	103404	• WASHER, Lock 5/16"	2
	100397	• NUT, Hex 5/16-18	2
	104254	• ELEMENT, Filter	1
9	103137	MANIFOLD, Lowering valve	1
		(Machines with rotary-type lowering valve)	
	107493	MANIFOLD, Lowering valve	1
		(Machines with pull-type lowering valve)	
10	103136	VALVE, Lowering (rotary-type)(velocity fuse)	1
	107271	VALVE, Lowering (pull-type)(holding valve)	1
11	102693	CAP W/GASKET, Filler/breather	1
	103962	• SCREW, Machine #10-32 x 1/2" lg.	3
12	310010	PUMP & 4 Hp MOTOR ASSEMBLY (Std. machines)	1
		(Model 3015 with Serial Number 18539 and above)	
		(Model 3219 with Serial Number 220599 and above)	
	117140	• PUMP, Hydraulic	1
	106576	• MOTOR, 4 Hp, 24VDC	1
	\$	PUMP & 1 Hp MOTOR ASSEMBLY (order 310010)	1
	107485	• PUMP, Hydraulic	1
	107486	• MOTOR, 1 Hp, 24VDC	1
	108948	PUMP & MOTOR ASSEMBLY (EE-Rated machines)	1
	109216	• PUMP, Hydraulic	1
	107081	• MOTOR, 24VDC	1
	109174	• BRUSHES (Set of 8)	1
	109175	• SPRING	8
	103864	• BOLT, Hex-hd 5/16-18 x 1" lg.	4
	103996	• WASHER, Flat 5/16"	4
	103404	• WASHER, Lock 5/16"	4
	100397	• NUT, Hex 5/16-18	4
<p>NOTE: Parts list continued on Page 65.</p>			

FIGURE 6-29. HYDRAULIC/ELECTRIC TRAY ASSEMBLY - 2-Speed Drive

Index No.	Skyjack Part No.	Description	Units per Assy.
		NOTE: Parts list continued from Page 63.	
13	103236	GAUGE, Oil level/temp	1
14	102918	HOSE, Tank 1"	1
15	103320	CLAMP, Worm #16	1
16	103339	FITTING, Drain plug (magnetic)	1
17	(Ref.)	PANEL ASSEMBLY, Electrical (For components, refer to Figure 6-36, 6-37, 6-38, 6-39 or 6-40)	1
	103855	• BOLT, Hex-hd 1/4-20 x 1/2" lg.	4
	104000	• WASHER, Lock 1/4"	4
18	(Ref.)	MANIFOLD ASSEMBLY, Cushion valve (For components, refer to Figure 6-35.)	1
19	103090	COVER, Edge 15" lg.	1
		NOTE: For hydraulic hose connections, refer to Figure 6-32.	

**FIGURE 6-30. HYDRAULIC HOSE CONNECTIONS - Hydraulic/Electric Tray
(Proportional Drive and Lift)**

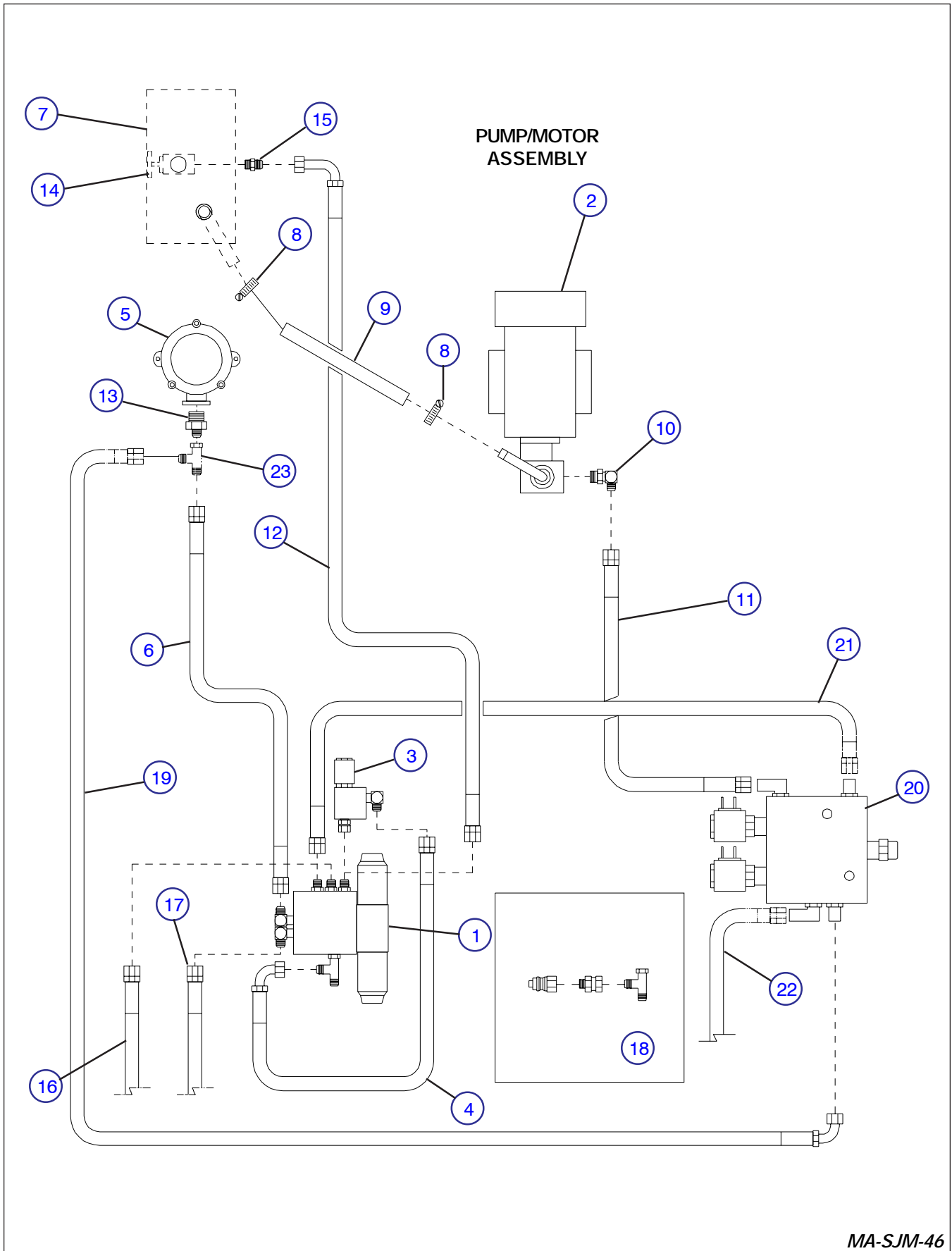


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**FIGURE 6-30. HYDRAULIC HOSE CONNECTIONS - Hydraulic/Electric Tray
(Proportional Drive and Lift)**

Index No.	Skyjack Part No.	Description	Units per Assy.
1	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figure 6-33.)	1
2	(Ref.)	PUMP AND MOTOR ASSEMBLY (Refer to Figure 6-27.)	1
3	(Ref.)	MANIFOLD ASSEMBLY, Cushion (Refer to Figure 6-33.)	1
4	108003	HOSE ASSEMBLY, Cushion valve to main manifold	1
5	(Ref.)	FILTER ASSEMBLY, Return (Refer to Figure 6-27.)	1
6	107738	HOSE ASSEMBLY, Filter to main manifold	1
7	(Ref.)	WELDMENT, Tank cover (Refer to Figure 6-27.)	1
8	102854	CLAMP, Worm #12	1
9	103032	HOSE, Suction 3/4"	11"
10	102665	FITTING, Elbow 90° #8orb-#6	3
11	114742	HOSE ASSEMBLY, Manifold supply	1
12	108003	HOSE ASSEMBLY, Manual lowering valve to main manifold	1
13	109052	FITTING, Connector #12orb-#6	1
14	(Ref.)	LOWERING VALVE AND MANIFOLD (Refer to Figure 6-27.)	1
15	103323	FITTING, Adapter #6-3/8P	1
16	(Ref.)	HOSE ASSEMBLY, Valve supply (Machines with powered extension platform) (Refer to Figure 6-6.)	1
17	(Ref.)	HOSE ASSEMBLY, Valve return (Machines with powered extension platform) (Refer to Figure 6-6.)	1
18	114741	HOSE ASSEMBLY, Proportional valve manifold return	1
19	(Ref.)	MANIFOLD ASSEMBLY, Proportional valve (Refer to Figure 6-33.)	1
20	102562	HOSE ASSEMBLY, Proportional manifold to main manifold	1
21	103309	FITTING, Tee #6swl-#6-#6	1

**FIGURE 6-31. HYDRAULIC HOSE CONNECTIONS - Hydraulic/Electric Tray
(2 Speed Drive With Hi-Torque Package)**

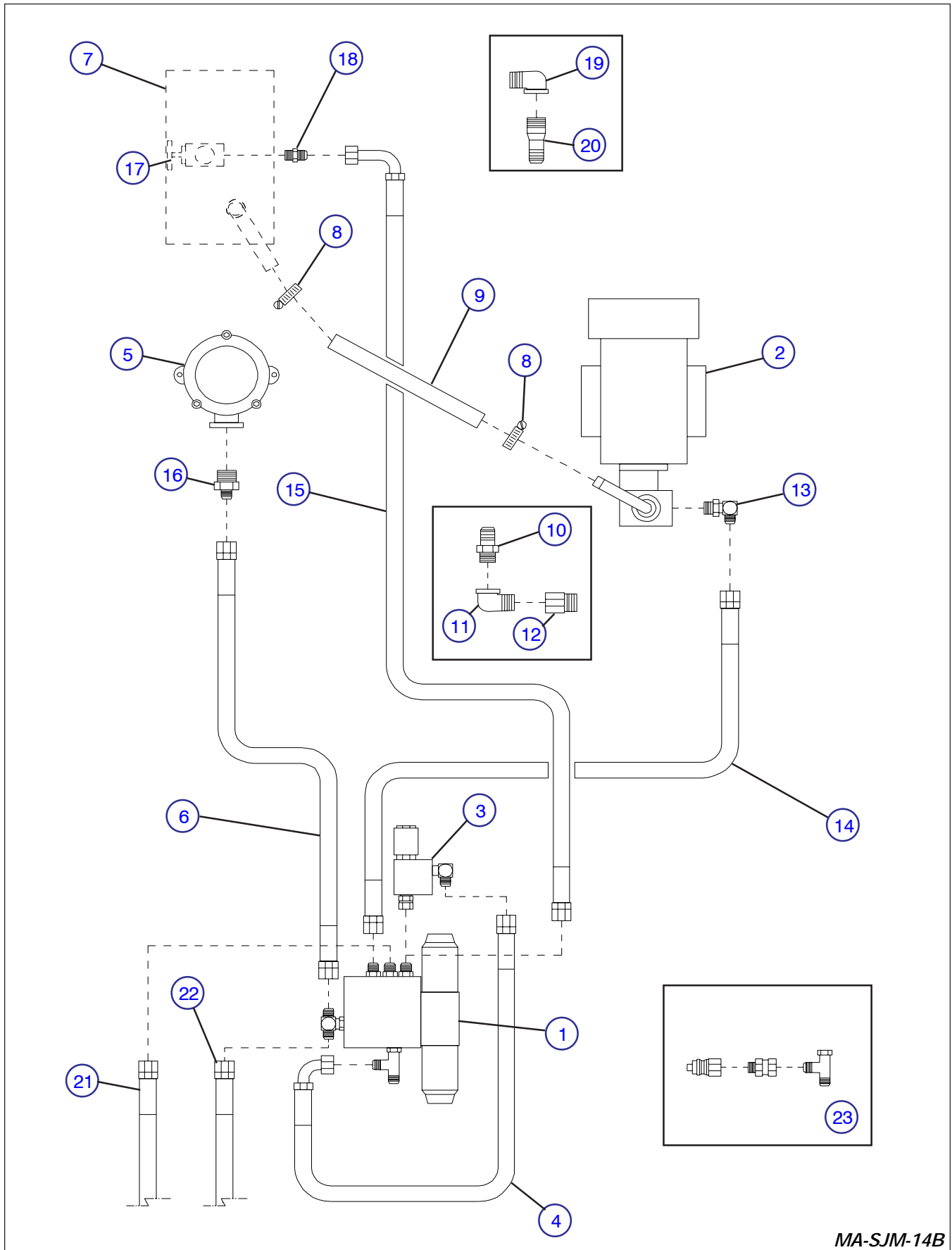


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**FIGURE 6-31. HYDRAULIC HOSE CONNECTIONS - Hydraulic/Electric Tray
(2 Speed Drive With Hi-Torque Package)**

Index No.	Skyjack Part No.	Description	Units per Assy.
1	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figure 6-34.)	1
2	(Ref.)	PUMP AND MOTOR ASSEMBLY (Refer to Figure 6-28.)	1
3	(Ref.)	MANIFOLD ASSEMBLY, Cushion (Refer to Figure 6-34.)	1
4	108003	HOSE ASSEMBLY, Cushion valve to main manifold	1
5	(Ref.)	FILTER ASSEMBLY, Return (Refer to Figure 6-28.)	1
6	107738	HOSE ASSEMBLY, Filter to main manifold	1
7	(Ref.)	WELDMENT, Tank cover (Refer to Figure 6-28.)	2
8	102854	CLAMP, Worm #12	1
9	103032	HOSE, Suction 3/4"	11"
10	102665	FITTING, Elbow 90° #8orb-#6	1
11	102562	HOSE ASSEMBLY, Manifold supply	
12	108949	HOSE ASSEMBLY, Manual lowering valve to main manifold	1
13	109052	FITTING, Connector #12orb-#6	1
14	(Ref.)	LOWERING VALVE AND MANIFOLD (Refer to Figure 6-28.)	1
15	103323	FITTING, Adapter #6-3/8P	1
16	(Ref.)	HOSE ASSEMBLY, Valve supply (Machines with powered extension platform) (Refer to Figure 6-6.)	1
17	(Ref.)	HOSE ASSEMBLY, Valve return (Machines with powered extension platform) (Refer to Figure 6-6.)	1
18	109640	QUICK DISCONNECT, Hydraulic	1
	103246	• DISCONNECT, Quick	1
	103309	• FITTING, Tee #6orb-#6	1
	103304	• FITTING, Pipe #4-#6	1
19	107732	HOSE ASSEMBLY, High torque manifold return	1
20	(Ref.)	MANIFOLD ASSEMBLY, High torque (Refer to Figure 6-34.)	1
21	400096	HOSE ASSEMBLY, Pump to high torque manifold	1
22	400097	HOSE ASSEMBLY, Brake	1
23	103309	FITTING, Tee #6swl-#6-#6	1

**FIGURE 6-32. HYDRAULIC HOSE CONNECTIONS - Hydraulic/Electric Tray
(2 Speed Drive)**

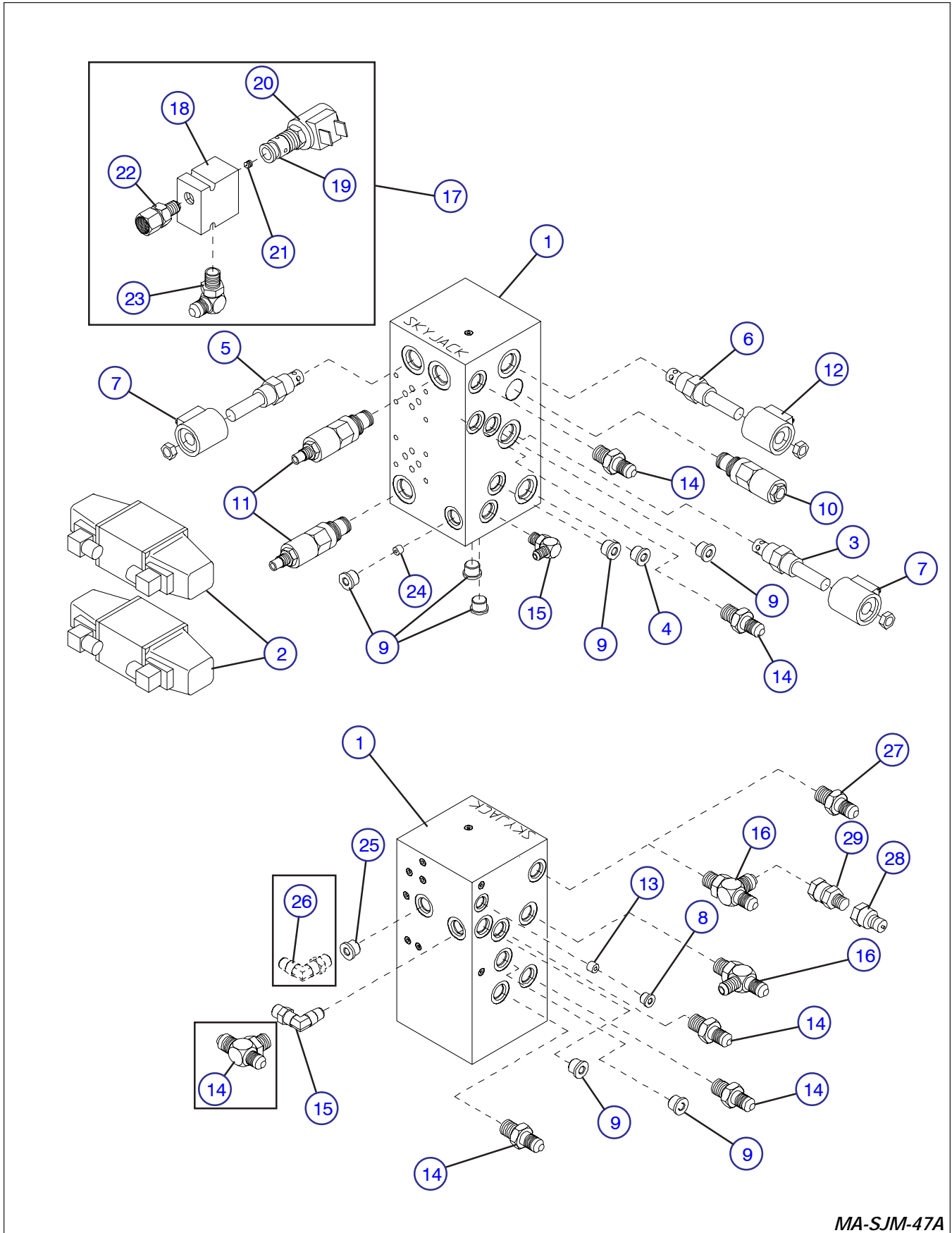


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**FIGURE 6-32. HYDRAULIC HOSE CONNECTIONS - Hydraulic/Electric Tray
(2 Speed Drive)**

Index No.	Skyjack Part No.	Description	Units per Assy.
1	(Ref.)	MANIFOLD ASSEMBLY, Main (Refer to Figure 6-35.)	1
2	(Ref.)	PUMP AND MOTOR ASSEMBLY (Refer to Figure 6-29.)	1
3	(Ref.)	MANIFOLD ASSEMBLY, Cushion (Refer to Figure 6-35.)	1
4	108003	HOSE ASSEMBLY, Cushion valve to main manifold	1
5	(Ref.)	FILTER ASSEMBLY, Return (Refer to Figure 6-29.)	1
6	107738	HOSE ASSEMBLY, Filter to main manifold	1
7	(Ref.)	WELDMENT, Tank cover (Refer to Figure 6-29.)	2
8	102854	CLAMP, Worm #12	1
9	103032	HOSE, Suction 3/4" x 9" lg.	1
10	103294	FITTING, Hose barb 3/4B-1/2P (Early models)	1
11	107741	FITTING, Reducer 1/2P-3/8P (Early models)	1
12	103329	FITTING, Adapter 3/8P-#8orb (Early models)	1
13	102665	FITTING, Elbow 90° #8orb-#6	1
14	102562	HOSE ASSEMBLY, Manifold supply	
15	108949	HOSE ASSEMBLY, Manual lowering valve to main manifold	1
16	109052	FITTING, Connector #12orb-#6 (Model 3015 with S/N 15556 and above) (Model 3219)	1
	106669	FITTING, Connector 1/2P-#6 (Model 3015 with S/N 15555 and below)	1
17	(Ref.)	LOWERING VALVE AND MANIFOLD (Refer to Figure 6-29.)	1
18	103323	FITTING, Adapter #6-3/8P	1
19	103124	FITTING, Elbow 90° 3/4P	1
20	103215	FITTING, Hose 3/4B-3/4P	1
21	(Ref.)	HOSE ASSEMBLY, Valve supply (Machines with powered extension platform) (Refer to Figure 6-6.)	1
22	(Ref.)	HOSE ASSEMBLY, Valve return (Machines with powered extension platform) (Refer to Figure 6-6.)	1
23	109640	QUICK DISCONNECT, Hydraulic	1
	103246	• DISCONNECT, Quick	1
	103309	• FITTING, Tee #6orb-#6	1
	103304	• FITTING, Pipe #4-#6	1

**FIGURE 6-33. MAIN MANIFOLD AND CUSHION VALVE MANIFOLD ASSEMBLY
(Proportional Drive and Lift)**

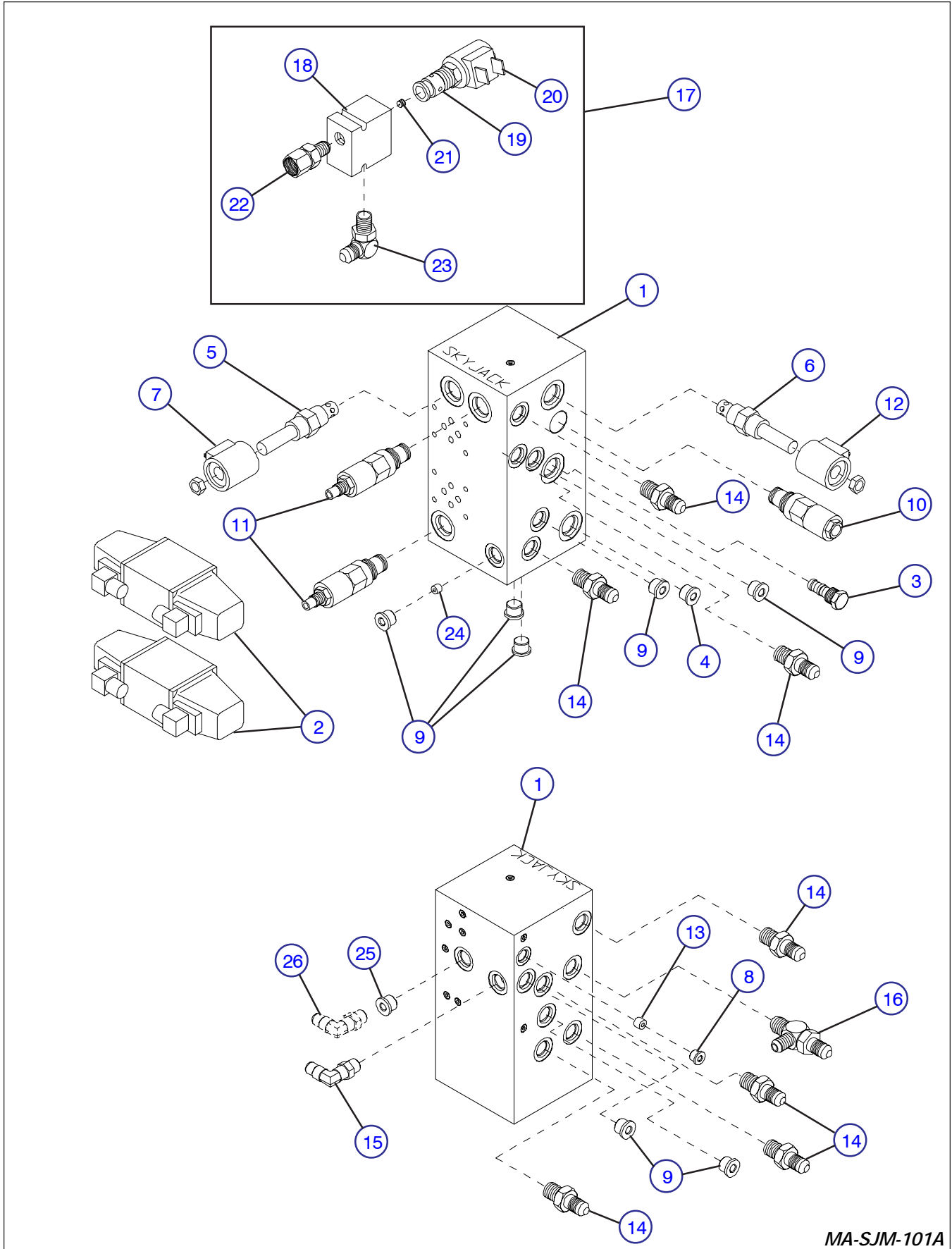


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**FIGURE 6-33. MAIN MANIFOLD AND CUSHION VALVE MANIFOLD ASSEMBLY
(Proportional Drive and Lift)**

Index No.	Skyjack Part No.	Description	Units per Assy.
	(Ref.)	MAIN MANIFOLD AND CUSHION VALVE MANIFOLD	
	(Ref.)	• MANIFOLD ASSEMBLY (Order components)	
1	107354	• • BLOCK, Main manifold	1
	108506	• • PLUG, Expander	9
2	103614	• • VALVE ASSEMBLY, 24 Volt spool (drive/steer)	2
	107439	• • • COIL, 24 Volt	4
	104409	• • • CONNECTOR, Black	4
	104345	• • • CONNECTOR, Gray	4
	103943	• • • BOLT, Soc-hd 1/4-20 x 2" lg.	4
3	103623	• • VALVE, 3-Way (brake)	1
4	115320	• • PLUG, Soc.-hd #8 orb	1
5	103655	• • VALVE, N.C. (lowering)	1
6	106273	• • VALVE, 3-Way (lift)	1
7	103605	• • COIL, 24 Volt	2
8	102856	• • PLUG, Soc-hd #3orb	1
9	104437	• • PLUG, Soc-hd #6orb	7
10	104133	• • VALVE, Counterbalance	1
11	104534	• • VALVE, Relief	2
12	105610	• • COIL, 24 Volt	1
13	114669	• ORIFICE, .055 dia. (lowering)	1
14	103069	• FITTING, Connector #6orb-#6	6
15	114578	• FITTING, Elbow 90° #6orb-#6	2
16	103072	• FITTING, Tee #6orb-#6	2
17	114667	• CUSHION VALVE MANIFOLD ASSEMBLY	1
18	103615	• • BLOCK, Cushion valve manifold	1
19	104132	• • VALVE, N.C. (cushion)	1
20	103605	• • COIL, 24 Volt	1
21	108002	• • ORIFICE, .040 dia. (cushion)	1
22	114666	• • FITTING, Swivel 1/4P-#6	1
23	103324	• • FITTING, Elbow 90° 1/4P-#6	1
24	104419	• PLUG, Brass 1/16	1
25	104437	PLUG, Soc-hd #6orb (Machines with powered extension platform)	1
26	114578	FITTING, Elbow 90° #6orb-#6 (Machines with powered extension platform)	1
27	103069	• FITTING, Connector #6orb-#6 (Machines without quick disconnect)	1
28	114520	• QUICK DISCONNECT, 1/4P	1
29	103304	□ FITTING ADAPTER, #4-#6	1

**FIGURE 6-34. MAIN MANIFOLD AND CUSHION VALVE MANIFOLD ASSEMBLY
(2 Speed Drive With Hi-Torque Package)**

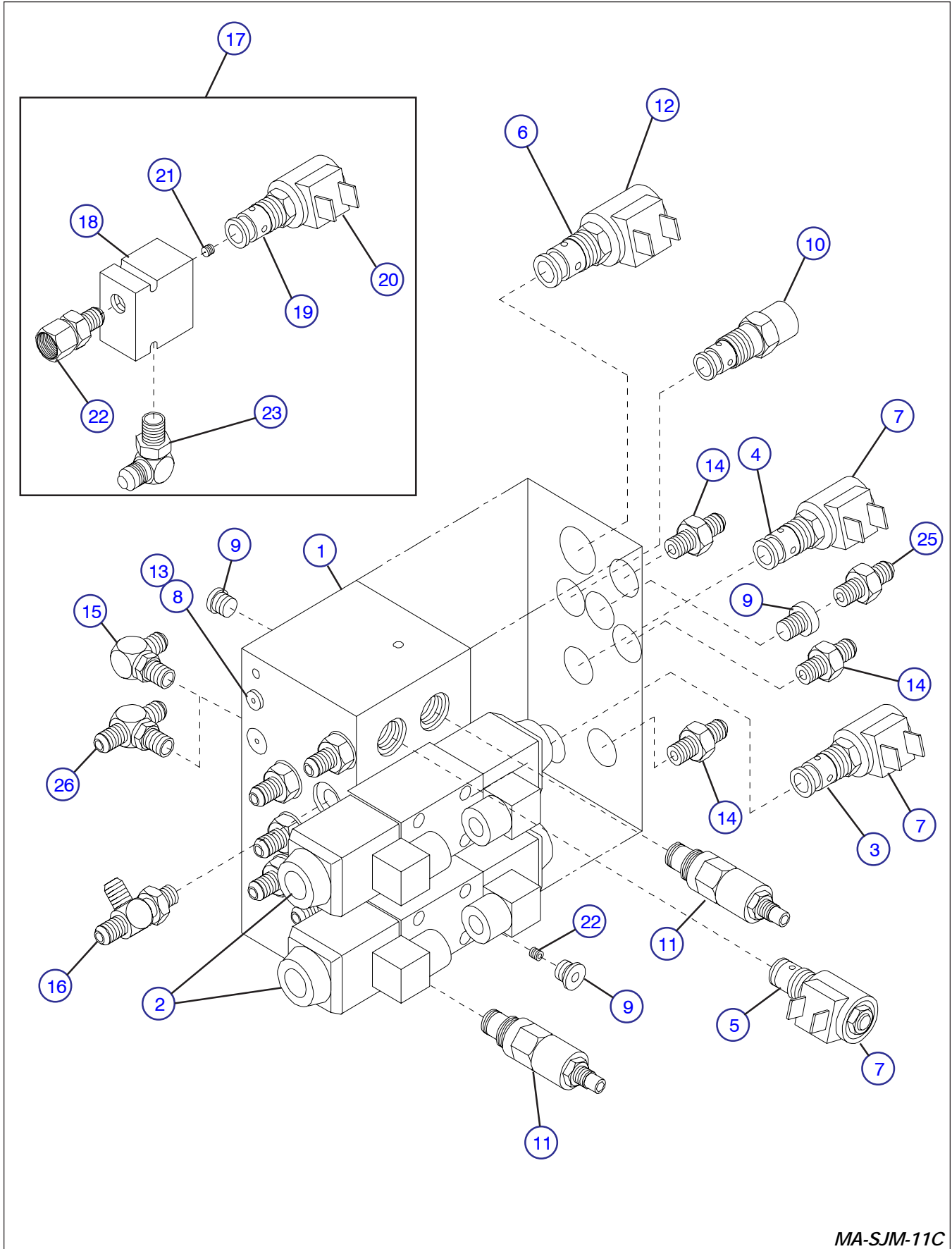


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**FIGURE 6-34. MAIN MANIFOLD AND CUSHION VALVE MANIFOLD ASSEMBLY
(2 Speed Drive With Hi-Torque Package)**

Index No.	Skyjack Part No.	Description	Units per Assy.
	(Ref.)	MAIN MANIFOLD AND CUSHION VALVE MANIFOLD	
	(Ref.)	• MANIFOLD ASSEMBLY (Order components)	
1	107354	• • BLOCK, Main manifold	1
	108506	• • PLUG, Expander	9
2	103614	• • VALVE ASSEMBLY, 24 Volt spool (drive/steer)	2
	107439	• • • COIL, 24 Volt	4
	104409	• • • CONNECTOR, Black	4
	104345	• • • CONNECTOR, Gray	4
	103943	• • • BOLT, Soc-hd 1/4-20 x 2" lg.	4
3	400086	• • PLUG, Cavity	1
4	115320	• • PLUG, Soc.-hd #8 orb	1
5	103655	• • VALVE, N.C. (lowering)	1
6	106273	• • VALVE, 3-Way (lift)	1
7	103605	• • COIL, 24 Volt	1
8	102856	• • PLUG, Soc-hd #3orb	1
9	104437	• • PLUG, Soc-hd #6orb	7
10	104133	• • VALVE, Counterbalance	1
11	104534	• • VALVE, Relief	2
12	105610	• • COIL, 24 Volt	1
13	114669	• ORIFICE, .055 dia. (lowering)	1
14	103069	• FITTING, Connector #6orb-#6	7
15	114578	• FITTING, Elbow 90° #6orb-#6	1
16	103072	• FITTING, Tee #6orb-#6	1
17	114667	• CUSHION VALVE MANIFOLD ASSEMBLY	1
18	103615	• • BLOCK, Cushion valve manifold	1
19	104132	• • VALVE, N.C. (cushion)	1
20	103605	• • COIL, 24 Volt	1
21	108002	• • ORIFICE, .040 dia. (cushion)	1
22	114666	• • FITTING, Swivel 1/4P-#6	1
23	103324	• • FITTING, Elbow 90° 1/4P-#6	1
24	104419	• PLUG, Brass 1/16	1
25	104437	PLUG, Soc-hd #6orb (Machines with powered extension platform)	1
26	114578	FITTING, Elbow 90° #6orb-#6 (Machines with powered extension platform)	1

**FIGURE 6-35. MAIN MANIFOLD AND CUSHION VALVE MANIFOLD ASSEMBLY
(2 Speed Drive)**

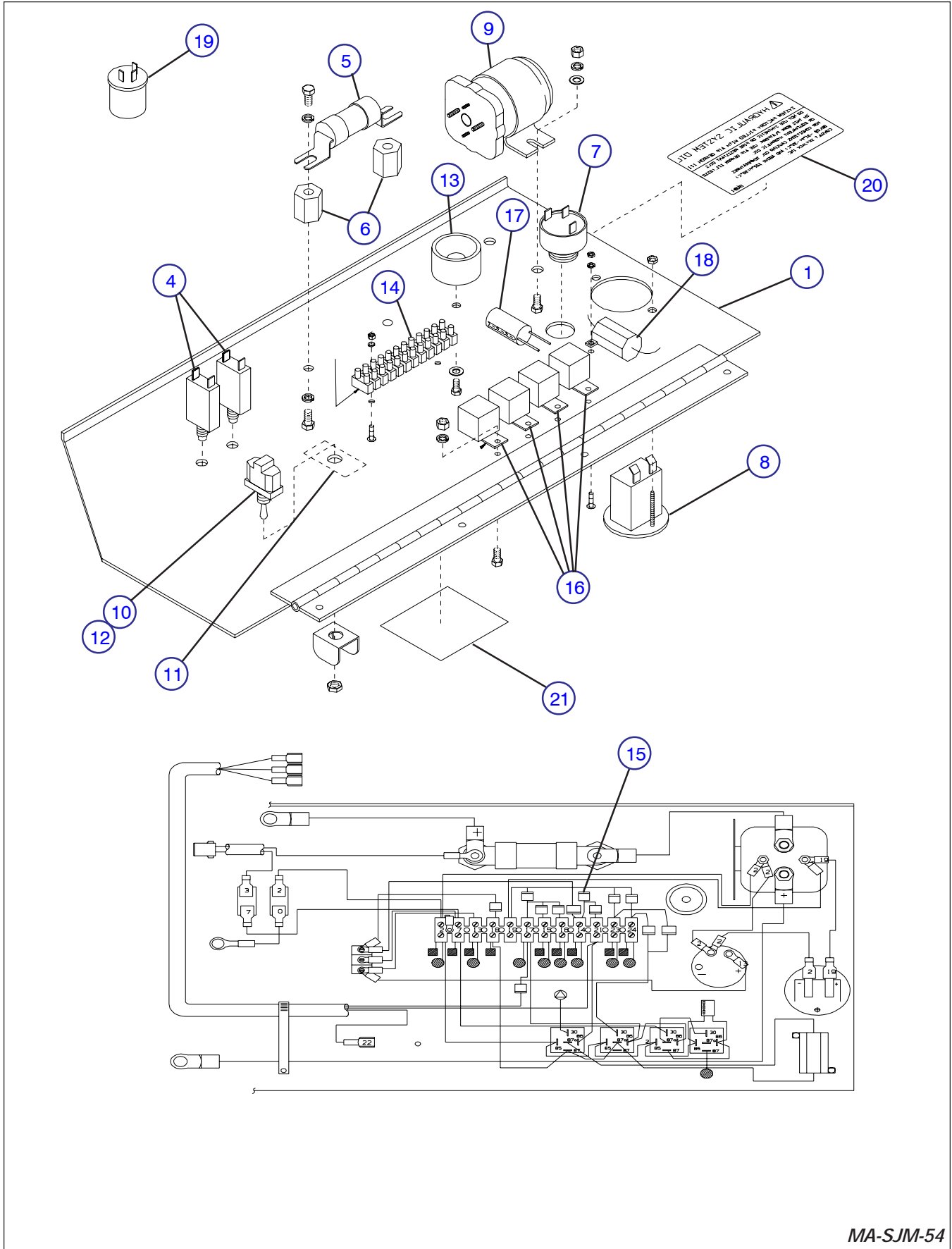


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**FIGURE 6-35. MAIN MANIFOLD AND CUSHION VALVE MANIFOLD ASSEMBLY
(2 Speed Drive)**

Index No.	Skyjack Part No.	Description	Units per Assy.
	(Ref.)	MAIN MANIFOLD AND CUSHION VALVE MANIFOLD ASSEMBLY (Order components)	
1	108300	• MANIFOLD ASSEMBLY, Main	1
	107354	• • BLOCK, Main manifold	1
	108506	• • PLUG, Expander	9
2	103614	• • VALVE ASSEMBLY, 24 Volt spool (drive/steer)	2
	107439	• • • COIL, 24 Volt	4
	104409	• • • CONNECTOR, Black	4
	104345	• • • CONNECTOR, Gray	4
	103943	• • • BOLT, Soc-hd 1/4-20 x 2" lg.	4
3	102626	• • VALVE, N.O. (dump)	1
4	103623	• • VALVE, 3-Way (brake)	1
5	103655	• • VALVE, N.C. (lowering)	1
6	106273	• • VALVE, 3-Way (lift)	1
7	103605	• • COIL, 24 Volt	3
8	102856	• • PLUG, Soc-hd #3orb	1
9	104437	• • PLUG, Soc-hd #6orb	7
10	104133	• • VALVE, Counterbalance	1
11	104534	• • VALVE, Relief	2
12	105610	• • COIL, 24 Volt	1
13	108053	• ORIFICE, .055 dia. (lowering)	1
14	103069	• FITTING, Connector #6orb-#6	8
15	103073	• FITTING, Elbow 90 #6orb-#6	1
16	103072	• FITTING, Tee #6orb-#6	1
17	114667	• CUSHION VALVE ASSEMBLY	1
18	103615	• • BLOCK, Cushion valve manifold	1
19	104132	• • VALVE, N.C. (cushion)	1
20	103605	• • COIL, 24 Volt	1
21	108002	• • ORIFICE, .040 dia. (cushion)	1
22	114666	• • FITTING, Swivel 1/4P-#6	1
23	103324	• • FITTING, Elbow 90° 1/4P-#6	1
24	108053	• ORIFICE, .055 diameter (dump)	1
25	103069	FITTING, Connector #6orb-#6 (Machines with powered extension platform)	1
26	104660	FITTING, Tee #6orb-#6 (Machines with powered extension platform)	1

FIGURE 6-36. ELECTRICAL PANEL ASSEMBLY - Proportional Drive and Lift (ANSI/SIA and CSA)



MA-SJM-54

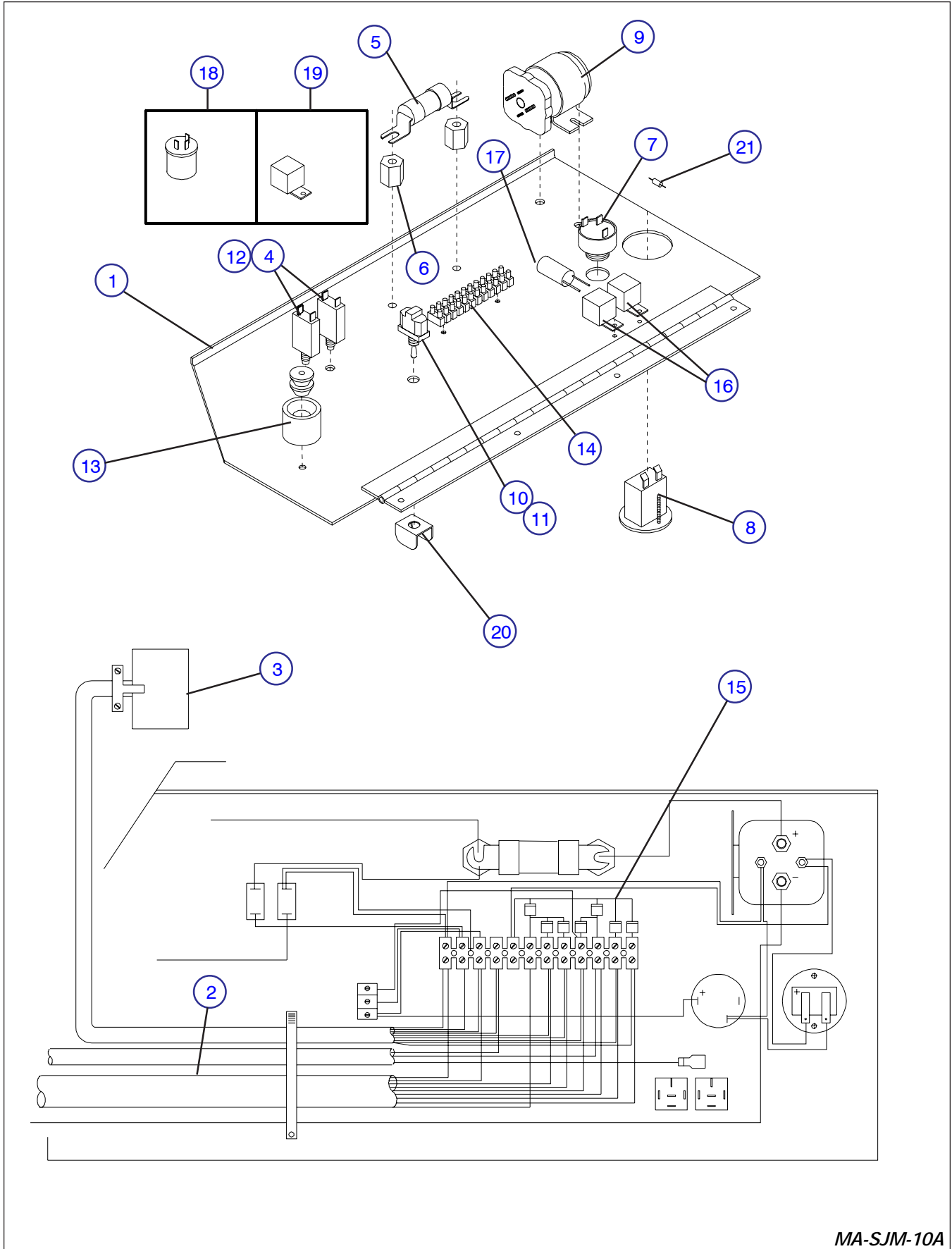
**FIGURE 6-36. ELECTRICAL PANEL ASSEMBLY - Proportional Drive and Lift
(ANSI/SIA and CSA)**

Index No.	Skyjack Part No.	Description	Units per Assy.
	(Ref.)	PANEL ASSEMBLY, Electrical	-
1	107211	• WELDMENT, Electrical panel	1
2	109111	• HARNESS, Manifold wiring	1
3	104173	• CORD ASSEMBLY, Panel control	1
	102888	• • CABLE, 16/10	67" lg.
	102518	• • SOCKET, 10 Pin	1
4	117325	• BREAKER, 15 Amp circuit	2
5	102756	• FUSE, 200 Amp	1
6	103068	• INSULATOR, Fuse	2
	103855	• • BOLT, Hex-hd 1/4-20 x 1/2" lg.	4
	104000	• • WASHER, Lock 1/4"	4
7	103057	• BEEPER, 24 Volt	1
8	103336	• HOURMETER	1
9	103101	• CONTACTOR	1
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	2
	104185	• • WASHER, Lock #10	2
	103995	• • WASHER, Flat #10	2
	104003	• • NUT, Hex #10-32	2
10	102853	• SWITCH, Up/down toggle	1
11	103805	• LABEL, Up/down	1
12	111181	• GUARD, Toggle switch	1
13	112447	• BUMPER, Rubber	1
	110463	• • SCREW, Hex-hd 6mm x 14mm	1
14	103011	• STRIP, Terminal block	1
	103956	• • SCREW, Machine #6-32 x 1" lg.	2
	106099	• • WASHER, Lock #6	2
	103985	• • NUT, Hex #6-32	2
15	108000	• DIODE ASSEMBLY	1
	102921	• • DIODE, 6 Amp	7
16	108589	• RELAY, 24 Volt (brake, cushion, proportional)	4
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	2
	104185	• • WASHER, Lock #10	2
	104003	• • NUT, Hex #10-32	2
17	103319	• CAPACITOR, 35 Volt	1
18	115312	• RESISTOR, 40 Ohm/25W	1
19	103267	FLASHER, 24 Volt (Machines with Flashing Light Option)	1
20	114378	LABEL, Hydraulic oil	1
21	108442	LABEL, Push switch to down	1

**FIGURE 6-37. ELECTRICAL PANEL ASSEMBLY - Proportional Drive and Lift
(CE)**

Index No.	Skyjack Part No.	Description	Units per Assy.
A	310013	PANEL ASSEMBLY, Electrical (Without Lowering Warning System Option)	-
B	310046	PANEL ASSEMBLY, Electrical (With Lowering Warning System Option)	-
1	107211	• WELDMENT, Electrical panel	1
2	109111	• HARNESS, Manifold/holding valve wiring	1
3	114548	• CABLE ASSEMBLY, Panel control	1
	102888	• • CABLE, 16/10	67" lg.
	107778	• • CONNECTOR ASSEMBLY, 10 Pole female	1
4	117325	• BREAKER, 15 Amp circuit	2
5	102756	• FUSE, 200 Amp	1
6	103068	• INSULATOR, Fuse	2
	103855	• • BOLT, Hex-hd 1/4-20 x 1/2" lg.	4
	104000	• • WASHER, Lock 1/4"	4
7	103057	• BEEPER, 24 Volt	1
8	103336	• HOURMETER	1
9	103101	• CONTACTOR	1
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	2
	104185	• • WASHER, Lock #10	2
	103995	• • WASHER, Flat #10	2
	104003	• • NUT, Hex #10-32	2
10	112447	• BUMPER, Rubber	1
	110463	• • SCREW, Hex-hd 6mm x 14mm	1
11	103011	• STRIP, Terminal block, A	1.3
	103011	• STRIP, Terminal block, B	1.75
	103956	• • SCREW, Machine #6-32 x 1" lg.	3
	106099	• • WASHER, Lock #6	3
	103985	• • NUT, Hex #6-32	3
12	108000	• DIODE ASSEMBLY	1
	102921	• • DIODE, 6 Amp	7
13	108589	• RELAY, 24 Volt (brake, cushion, proportional, tilt)	5
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	5
	104185	• • WASHER, Lock #10	5
	104003	• • NUT, Hex #10-32	5
14	103319	• CAPACITOR, 35 Volt	1
15	115312	• RESISTOR, 40 Ohm/25W	1
	310008	• • SCREW, #4	1
	310007	• • WASHER, #4	1
	310006	• • NUT, Hex #4	1
16	106456	• FLASHER, 24 Volt	1
17	117880	• SWITCH ASSEMBLY, Tilt	1
18	310061	• CABLE ASSEMBLY, Tilt switch	1
19	300667	• MODULE, Lowering warning system, B	1
	105621	• • SCREW, Machine #10-32 x 1" lg.	2
	104003	• • NUT, Hex #10-32	2
20	310025	• PLATE, Diode	1
21	117967	• BEEPER, Lowering warning, B	1
22	102921	• DIODE, 6 amp	AR
23	102509	• CLAMP, Plastic	1
24	300649	• PLUG, Plastic	1

FIGURE 6-38. ELECTRICAL PANEL ASSEMBLY - 2-Speed Drive

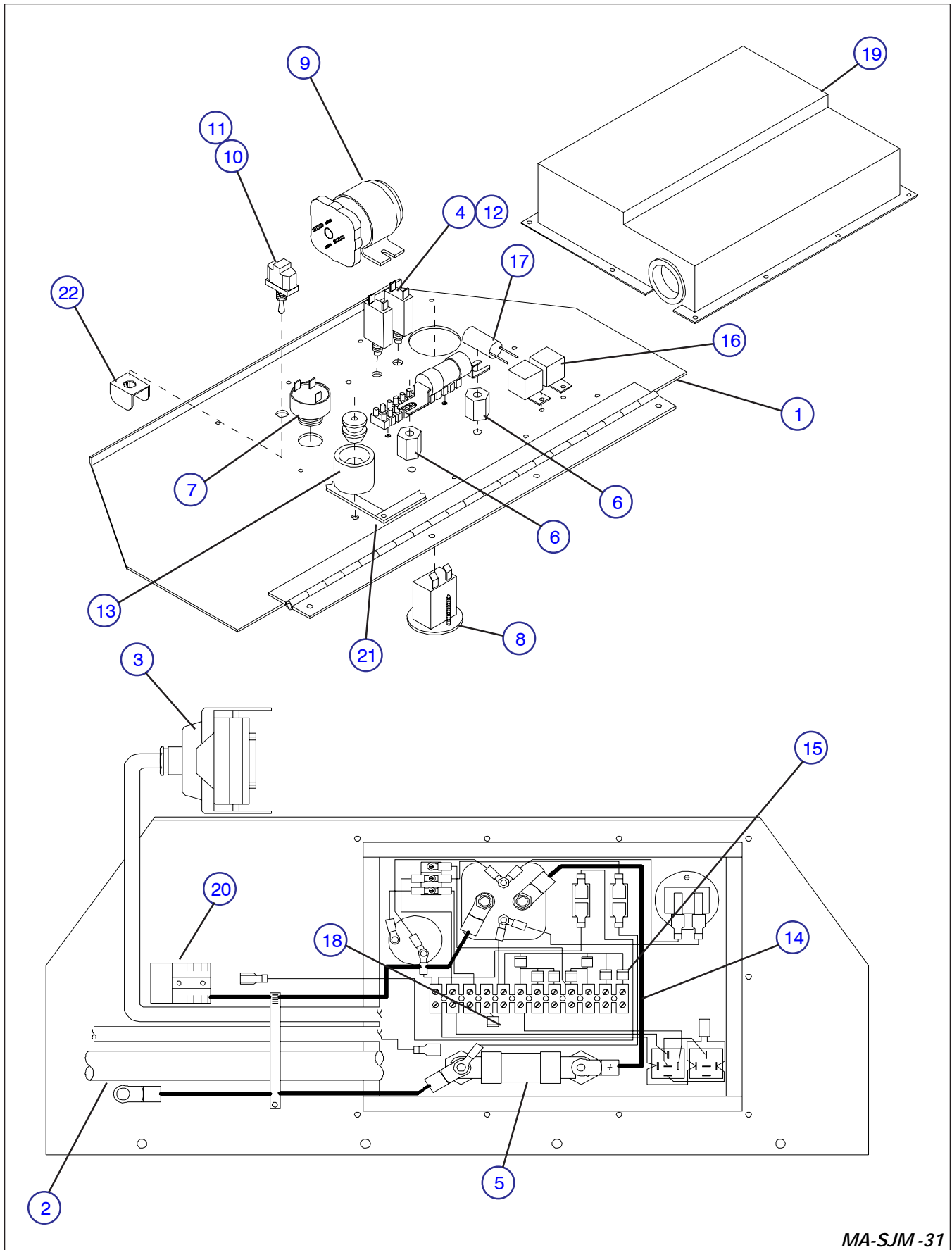


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FIGURE 6-38. ELECTRICAL PANEL ASSEMBLY - 2-Speed Drive

Index No.	Skyjack Part No.	Description	Units per Assy.
A	(Ref.)	PANEL ASSEMBLY, Electrical (ANSI/SIA and CSA)	-
B	(Ref.)	PANEL ASSEMBLY, Electrical (CE)	-
1	107211	• WELDMENT, Electrical panel	1
2	109111	• HARNESS, Manifold wiring, A	1
	109566	• HARNESS, Manifold/holding valve wiring, B	1
3	104173	• CORD ASSEMBLY, Panel control, A	1
	102888	• • CABLE, 16/10 x 67" lg.	1
	102518	• • SOCKET, 10 Pin	1
	114548	• CORD ASSEMBLY, Panel control, B	1
	102888	• • CABLE, 16/10 x 67" lg.	1
	107777	• • SOCKET ASSEMBLY, 10 Pin female (Replaces 108181)	1
4	102331	• BREAKER, 15 Amp circuit	2
5	310179	• FUSE, 200 Amp (replaces 102756)	1
6	103068	• INSULATOR, Fuse	2
	103855	• • BOLT, Hex-hd 1/4-20 x 1/2" lg.	2
	104000	• • WASHER, Lock 1/4"	2
7	103057	• BEEPER, 24 Volt	1
8	103336	• HOURMETER	1
9	103101	• CONTACTOR	1
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	2
	104003	• • NUT, Hex #10-32	2
10	102853	• SWITCH, Up/down toggle	1
11	103805	• LABEL, Up/down	1
12	105280	• LABEL PLATE, Push to reset	2
13	112447	• BUMPER, Rubber (Replaces 104697)	1
	103956	• • SCREW, Machine #6-32 x 1" lg.	1
	103985	• • NUT, Hex #6-32	1
14	103011	• STRIP, Terminal block	1
	103956	• • SCREW, Machine #6-32 x 1" lg.	2
	103985	• • NUT, Hex #6-32	2
15	108000	• DIODE ASSEMBLY	1
	102921	• • DIODE, 6 Amp	7
16	108589	• RELAY, 24 Volt (brake, cushion)(Replaces 103425)	2
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	2
	104003	• • NUT, Hex #10-32	2
17	103319	• CAPACITOR, 35 Volt	1
18	103267	FLASHER, 24 Volt (Machines with Flashing Light Option)	1
19	108589	RELAY, 24 Volt (tilt) (Replaces 103425) (Machines with Tilt Switch Option)	1
20	111181	• GUARD, Toggle switch	1
21	110699	• CAPACITOR, .47 (CE), B	1

FIGURE 6-39. ELECTRICAL PANEL ASSEMBLY - EE-Rated

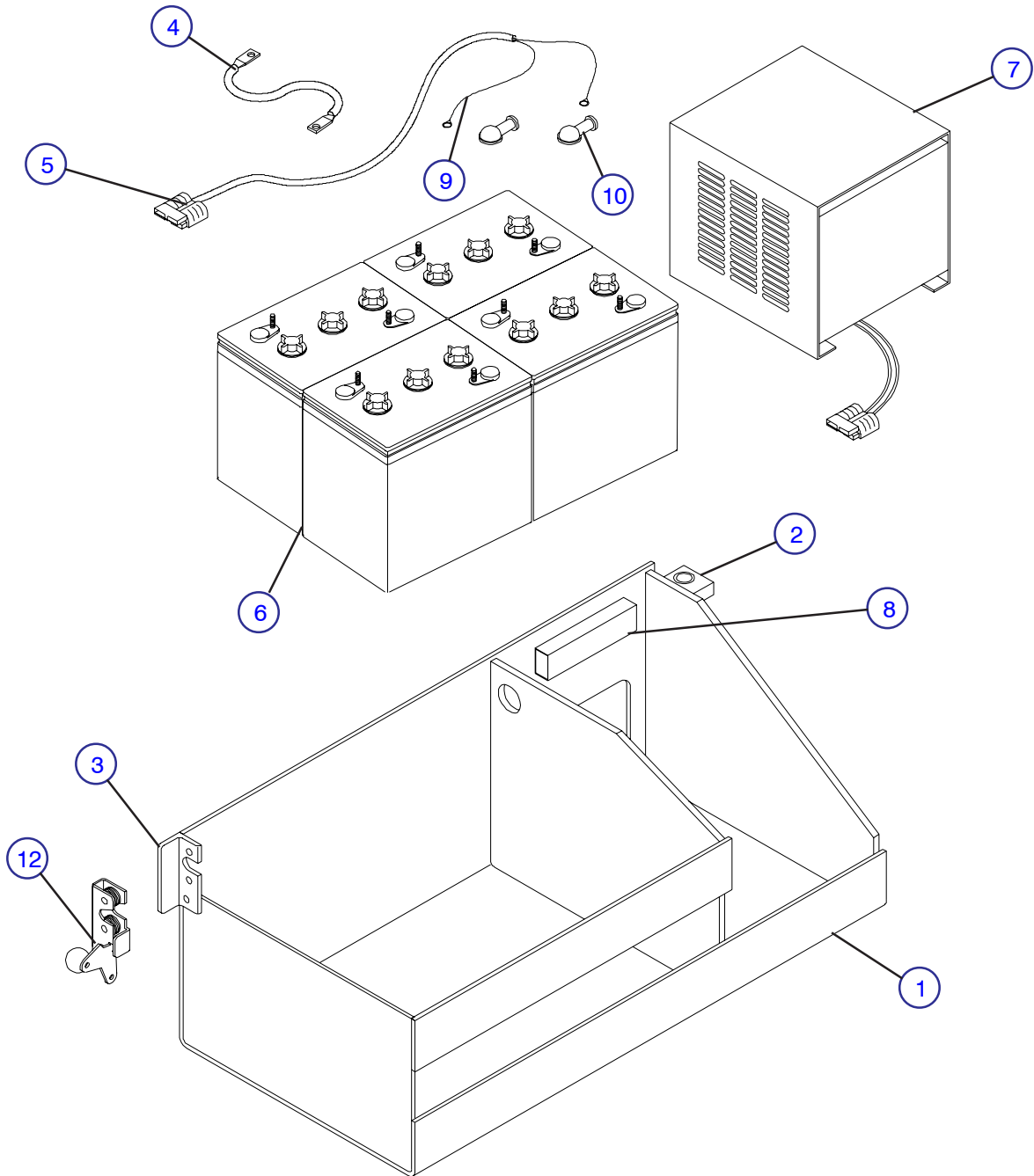


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FIGURE 6-39. ELECTRICAL PANEL ASSEMBLY - EE-Rated

Index No.	Skyjack Part No.	Description	Units per Assy.
	114564	PANEL ASSEMBLY, Electrical (EE-Rated)(replaces 109491)	-
1	108993	• WELDMENT, Electrical panel	1
2	109111	• HARNESS, Manifold wiring	1
3	114548	• CABLE ASSEMBLY, Panel control (Replaces 108076 by ordering (1) Connector 107778)	1
	102888	• • CABLE, 16/10 x 67" lg.	1
	107778	• • CONNECTOR ASSEMBLY, 10 Pole female (Replaces 108181)	1
4	117325	• BREAKER, 15 Amp circuit (replaces 102331)	2
5	102756	• FUSE, 200 Amp	1
6	103068	• INSULATOR, Fuse	2
	103855	• • BOLT, Hex-hd 1/4-20 x 1/2" lg.	2
	104000	• • WASHER, Lock 1/4"	2
7	103057	• BEEPER, 24 Volt	1
8	103336	• HOURMETER	1
9	103101	• CONTACTOR	1
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	2
	104003	• • NUT, Hex #10-32	2
10	102853	• SWITCH, Up/down toggle	1
11	103805	• LABEL, Up/down	1
12	105280	• LABEL PLATE, Push to reset	2
13	112447	• BUMPER, Rubber	1
	103956	• • SCREW, Machine #6-32 x 1" lg.	1
	103985	• • NUT, Hex #6-32	1
14	103011	• STRIP, Terminal block	1
	103956	• • SCREW, Machine #6-32 x 1" lg.	2
	103985	• • NUT, Hex #6-32	2
15	108000	• DIODE ASSEMBLY	1
	102921	• • DIODE, 6 Amp	7
16	108589	• RELAY, 24 Volt (brake, cushion) (Replaces 103425)	2
	103962	• • SCREW, Machine #10-32 x 1/2" lg.	2
	104003	• • NUT, Hex #10-32	2
17	103319	• CAPACITOR, 35 Volt	1
18	102921	• DIODE, 6 Amp	1
19	108994	• COVER, Electrical component	1
	108995	• • GROMMET, Rubber	1
20	104632	• PLUG, Motor disconnect	1
21	104064	• GASKET, Foam 42-1/2" lg.	1
22	111181	• GUARD, Toggle switch	1

FIGURE 6-40. BATTERY TRAY ASSEMBLY

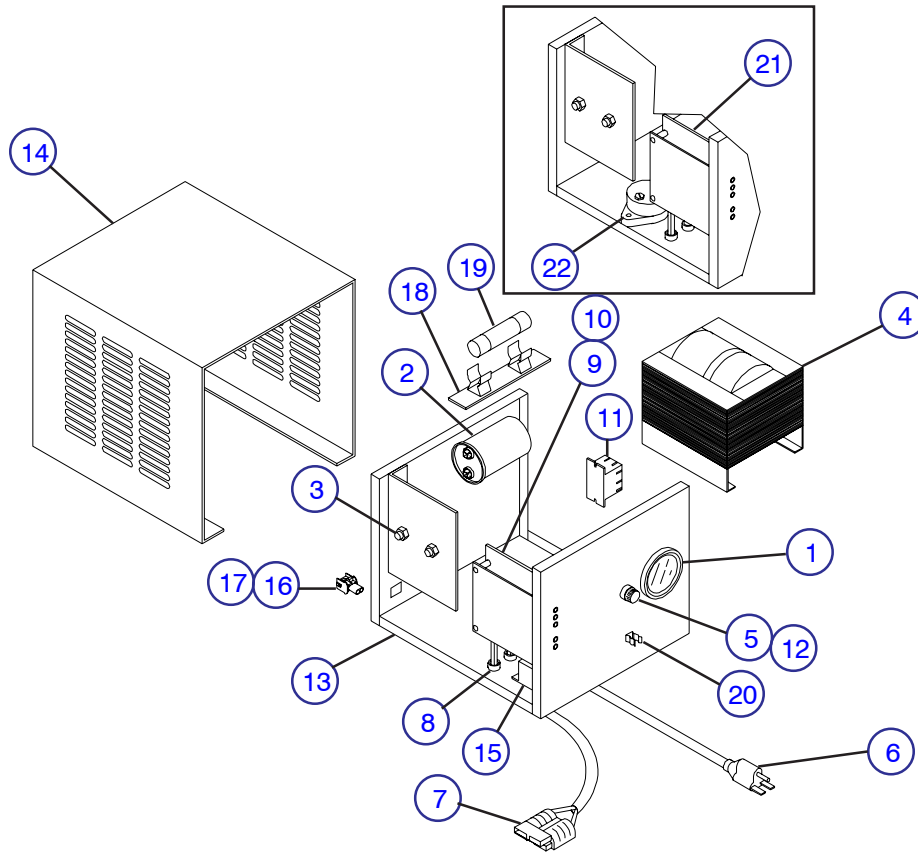


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FIGURE 6-40. BATTERY TRAY ASSEMBLY

Index No.	Skyjack Part No.	Description	Units per Assy.
A	(Ref.)	BATTERY TRAY ASSEMBLY - Standard	-
B	(Ref.)	BATTERY TRAY ASSEMBLY - Europe	-
C	(Ref.)	BATTERY TRAY ASSEMBLY - EE-Rated	-
1	107879	• WELDMENT, Battery tray, A, B	1
	109191	• WELDMENT, Battery tray, C	1
	105517	• • PLYWOOD, 1/4" x 9.5" x 10.5"	5
	105518	• • PLYWOOD, 1/4" x 9.5" x 29"	3
	111423	• • SPACER, Wooden battery 2" x 3" x 11"	1
	104049	• • BRACKET, Battery tray lock	1
2	100335	• BUSHING, Bronze	2
3	102780	• LATCH, Battery tray	1
	103864	• • BOLT, Hex-hd 5/16-18 x 1" lg.	1
	103886	• • BOLT, Hex-hd 5/16-18 x 1-1/2" lg.	2
	103984	• • NUT, Lock 5/16-18	2
4	103237	• CABLE ASSEMBLY, Battery jumper	3
5	106008	• CABLE ASSEMBLY, Battery charger	1
	103364	• • PLUG, 50 Amp	1
	105600	• • BOOT, Cable (red)	2
6	103480	• BATTERY, 6V 220AH (#T2200) (Standard)	4
	106552	• BATTERY, 6V 250AH (#J250) (Optional)	4
7	108163	• CHARGER ASSEMBLY, Battery, 24V25A 115V, 60Hz (#BA285NM), A	1
	113415	• CHARGER ASSEMBLY, Battery, 24V25A 220V, 50Hz (#2440E), B (Replaces 108164 and 111327)	1
	110550	• CHARGER ASSEMBLY, Battery, 24V20A 115V, 60Hz (#B9338) (remote), C	1
	103887	• • BOLT, Hex-hd 5/16-18 x 3/4" lg.	2
	103404	• • WASHER, Lock 5/16"	2
8	104127	• COVER, Cable 6" lg., A, B	1
9	105600	• BOOT, Cable (red), C	6
10	105601	• BOOT, Cable (black), C	4
11	110334	• LABEL, Battery charger(located on front of weldment)(not shown)	1
12	111534	• KNOB, Rotary latch	1

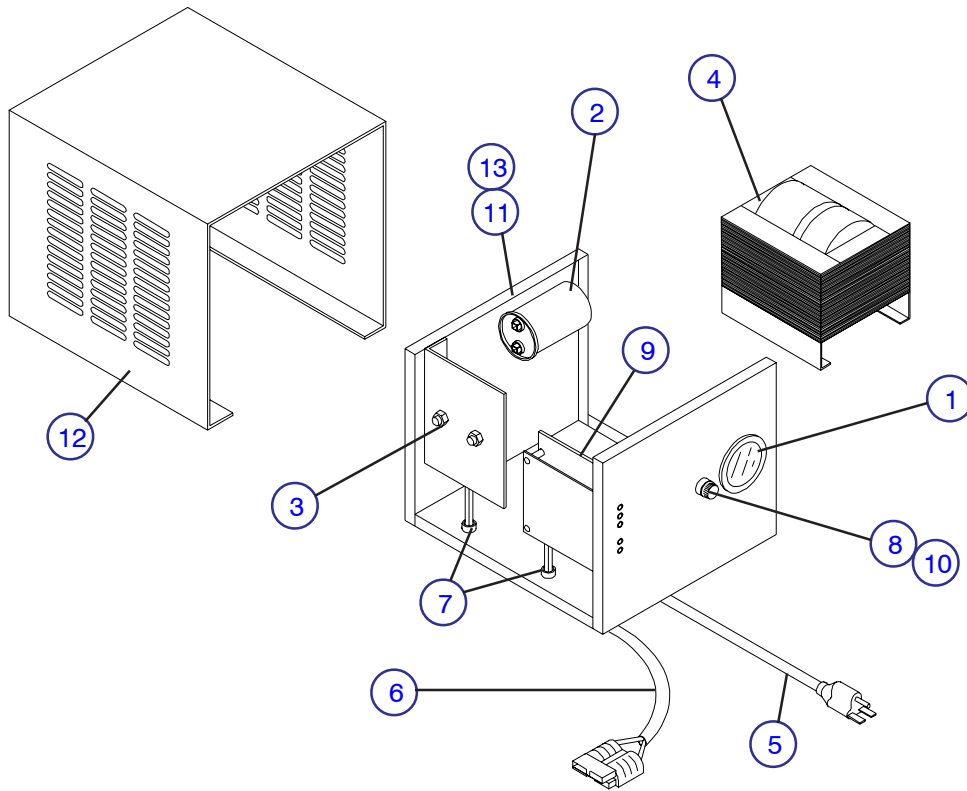
**FIGURE 6-41. BATTERY CHARGER ASSEMBLY - 110 Volt
(Motor Appliance BA611 and BA285)**



MA-COMP-33A

Index No.	Skyjack Part No.	Description	Units per Assy.
	112258	CHARGER ASSEMBLY, Battery, 24V25A, 115VAC 60Hz (#BA611)	-
	108163	CHARGER ASSEMBLY, Battery, 24V25A, 115VAC 60Hz (#BA285)	-
1	108554	• AMMETER, 0-30	1
2	108555	• CAPACITOR	1
3	108556	• DIODE	2
4	108557	• TRANSFORMER	1
5	108558	• HOLDER, Fuse	1
6	108559	• CORD, AC	1
7	108560	• CORD, DC	1
	103364	• PLUG, 50 Amp	1
8	108561	• RELIEF, Strain	2
9	108565	• CIRCUIT BOARD ASSEMBLY, Timer control	1
10	108564	• TRANSFORMER, Timer control	1
11	115315	• RELAY, Timer control	1
12	102773	• FUSE, AGC15	1
13	\$	• BASE, Charger	1
14	\$	• COVER, Charger	1
15	115315	• RELAY, Charger cutout 120V, A	1
16	115391	• PLUG, Charger cutout, A	1
17	115392	• WIRE ASSEMBLY, Charger cutout, A	1
18	111905	• FUSE, 45 Amp NON, A	1
19	700687	• HOLDER ASSEMBLY, 45 Amp fuse, A	1
20	119137	• CLIP, AC Cord	1
21	108562	• TRIAC, B	1
22	108563	• BREAKER, Circuit, B	1
		\$ Consult Factory.	

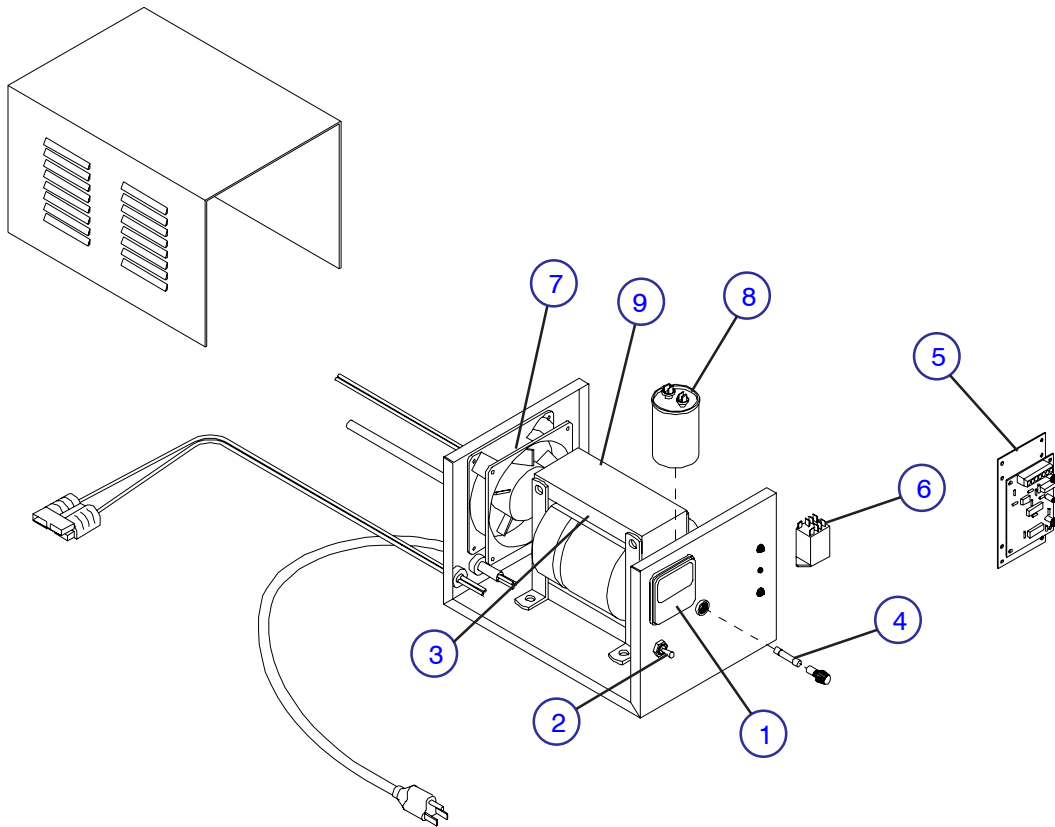
**FIGURE 6-42. BATTERY CHARGER ASSEMBLY - 220 Volt
(Motor Appliance BA538)**



MA-SJM-33

Index No.	Skyjack Part No.	Description	Units per Assy.
	111327	CHARGER ASSEMBLY, Battery (MAC#BA538) 24V20A, 220VAC 50Hz	-
1	110892	• AMMETER, 0-20 (M9818)	1
2	109102	• CAPACITOR (M3448)	1
3	111895	• DIODE (M7278)	2
4	111896	• TRANSFORMER, Main (TX12319A)	1
5	111898	• CORD, AC (M3321)	1
6	111899	• CORD, DC (CDC4009)	1
	103364	• • PLUG, 50 Amp	1
7	108561	• RELIEF, Strain (M0366)	2
8	108558	• FUSE HOLDER (M1374)	1
9	111897	• CONTROL CIRCUIT (CB024101613)	1
10	110855	• FUSE, AGC10 (M11641)	1
11	\$	• BASE, Charger	1
12	\$	• COVER, Charger	1
13	110895	• CIRCUIT BREAKER (M11723)	1
		+\$ CONSULT FACTORY.	

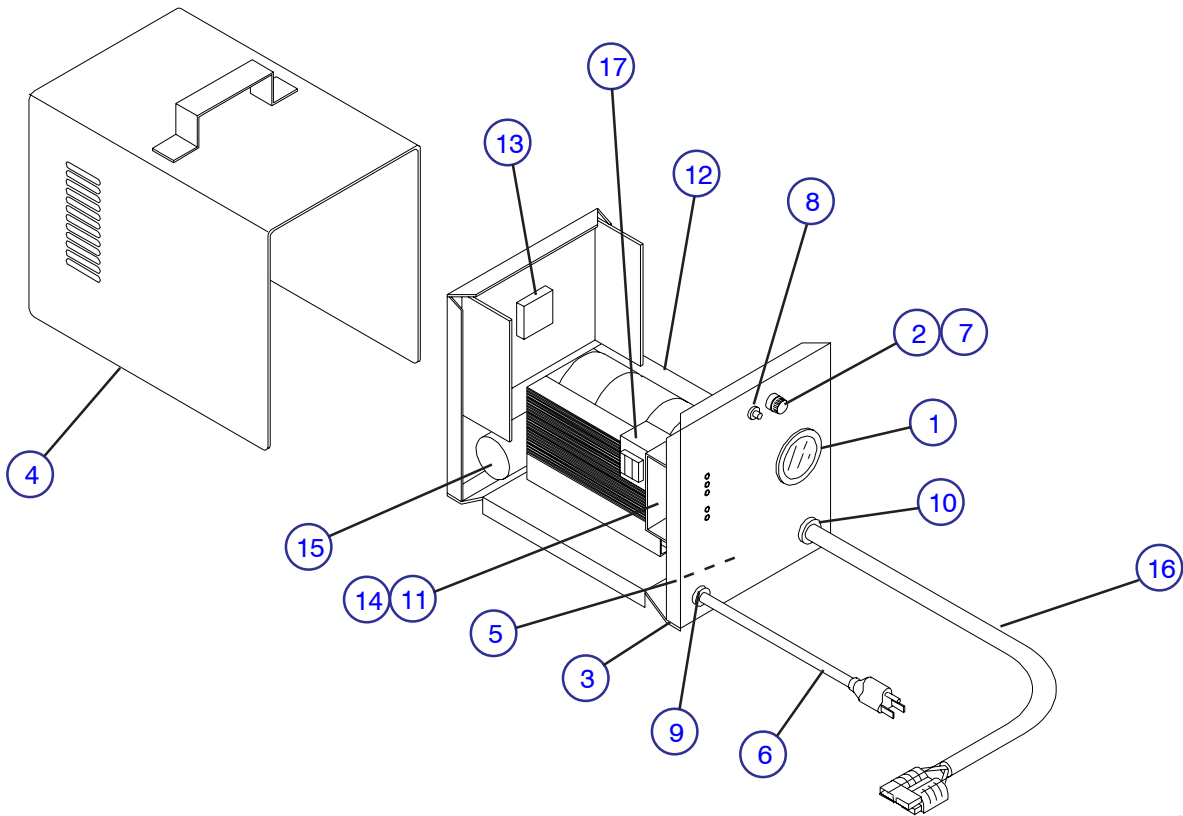
FIGURE 6-43. BATTERY CHARGER ASSEMBLY - 220 Volt (Bycan)



MA-SJ3-38

Index No.	Skyjack Part No.	Description	Units per Assy.
A	113415	CHARGER ASSEMBLY, Battery (2440E, 50-60 Hz)	-
B	112255	CHARGER ASSEMBLY, Battery (2440A, 50-60 Hz)	-
1	117162	• AMMETER, 50 Amp	1
2	117163	• SWITCH, Toggle 4PDT	1
3	117164	• RECTIFIER, 70 Amp	2
4	117165	• FUSE AND HOLDER, AC	1
5	117166	• CONTROLLER	1
6	117167	• RELAY, Vehicle disable	1
7	117168	• FAN, Cooling	1
8	117170	• TRANSFORMER, A	1
	117169	• TRANSFORMER, B	1
9	117172	• CAPACITOR, A	1
	117171	• CAPACITOR, B	1

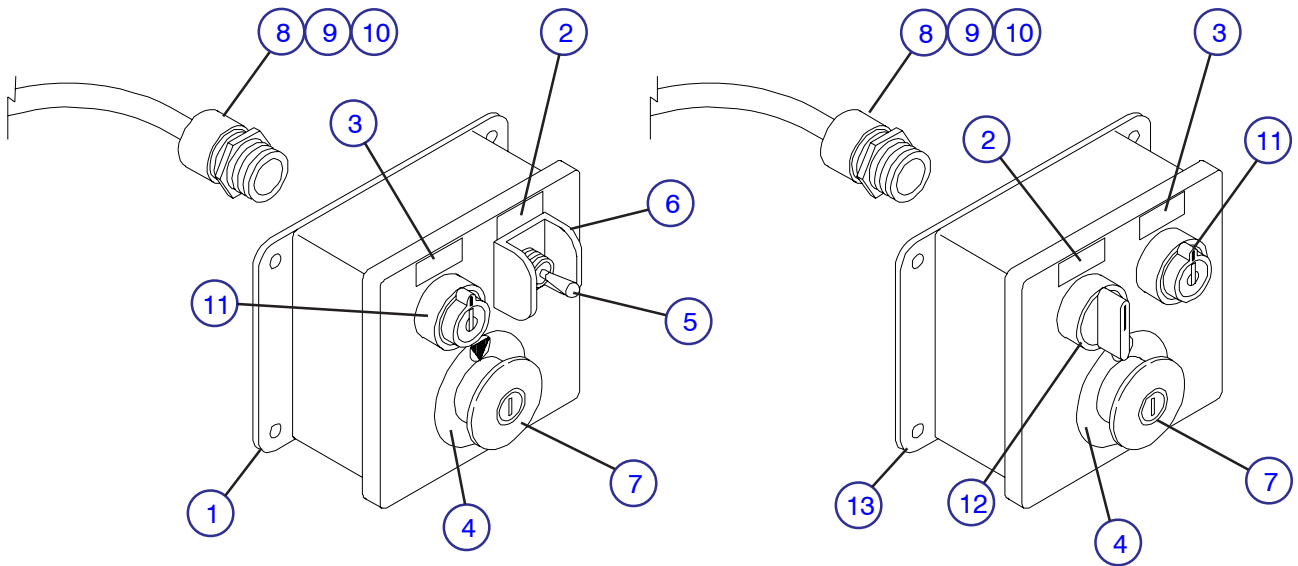
FIGURE 6-44. BATTERY CHARGER ASSEMBLY - EE-Rated



MA-SJM-28

Index No.	Skyjack Part No.	Description	Units per Assy.
	110550	CHARGER ASSEMBLY, Battery (MAC#B9338) 24V20A, 115VAC 60Hz	-
1	110854	• AMMETER, 0-20 (M9818)	1
2	110855	• FUSE, AC AGC10 (M11641)	1
3	\$	• BASE, Charger	1
4	\$	• COVER W/HANDLE, Charger	1
5	110856	• CIRCUIT BREAKER (M7692)	1
6	108559	• CORD, AC (M0296)	1
7	108558	• HOLDER, Fuse (M1374)	1
8	110857	• BUTTON, Charger stop (M8258)	1
9	108561	• RELIEF, Strain, AC cord (M0366)	1
10	109105	• RELIEF, Strain, DC cord (M6680)	1
11	108562	• TRIAC (M8118)	1
12	110858	• POWER TRANSFORMER (TX09394A)	1
13	110859	• RECTIFIER (M7488)	1
14	108565	• CONTROL CIRCUIT, VFC2200 (CBA202413)	1
15	109102	• CAPACITOR (M3448)	1
16	110861	• CORD, DC (M9186)	1
	103364	• PLUG, 50 Amp	1
17	110862	• TRANSFORMER, Control circuit (M10602)	1
		\$ Consult factory.	

FIGURE 6-45. BASE CONTROL BOX ASSEMBLY OPTION

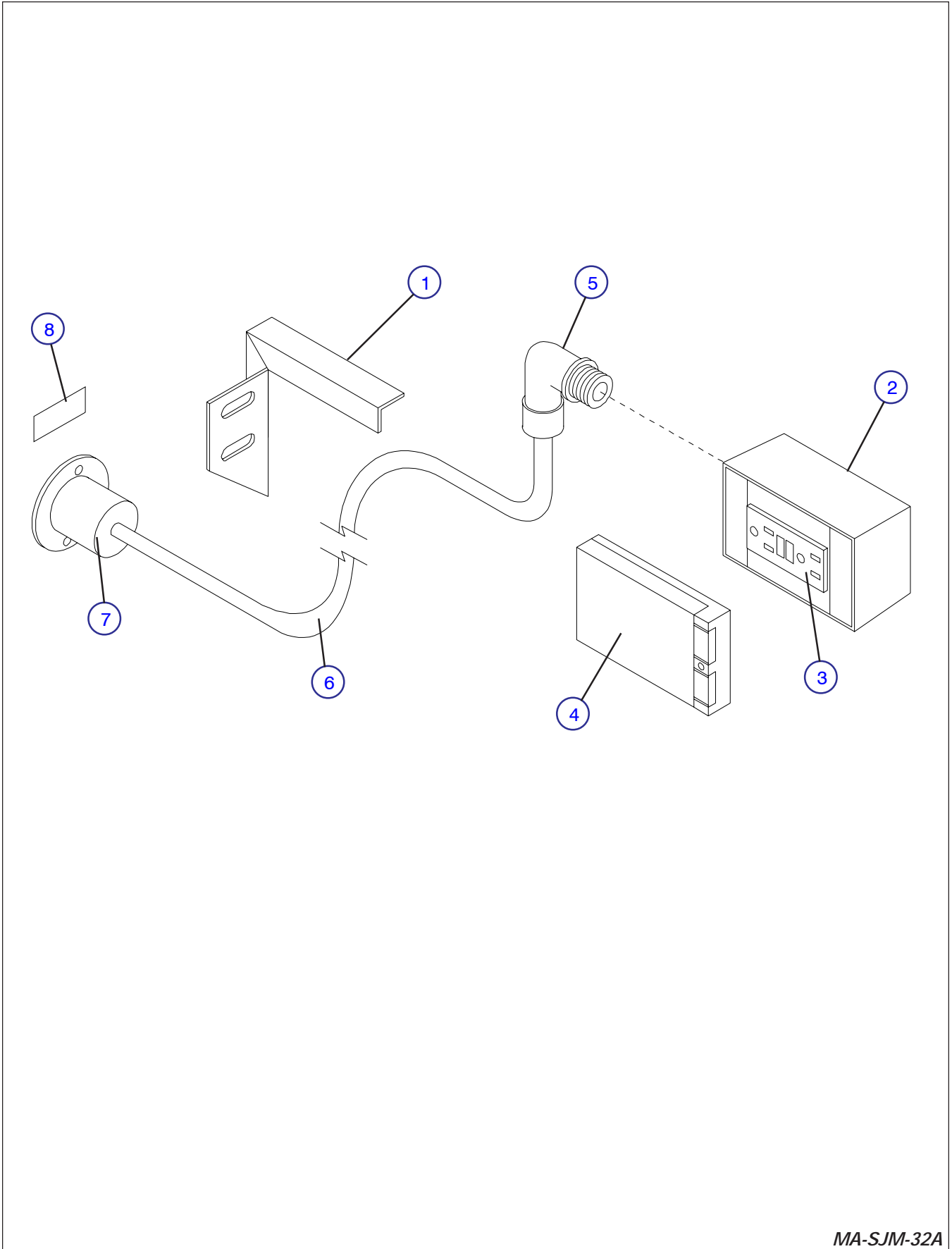


MA-SJII-32A

FIGURE 6-45. BASE CONTROL BOX ASSEMBLY OPTION

Index No.	Skyjack Part No.	Description	Units per Assy.
A	(Ref.)	BOX ASSEMBLY, Base control (Later models with toggle up/down switch)	-
B	(Ref.)	BOX ASSEMBLY, Base control (Early models with rotary up/down switch)	-
1	115538	• BOX, Base control, A	1
2	108328	• LABEL, Platform up/down	1
3	102451	• LABEL, Platform/base select	1
4	111814	• LABEL, Emergency stop (Replaces 105351)	1
5	102853	• SWITCH, Toggle, A	1
6	111181	• GUARD, Toggle switch, A	1
7	(Ref.)	• SWITCH ASSEMBLY, Emergency stop	1
	102769	• • HEAD, Stop switch	1
	103100	• • BASE, Contact	1
	103225	• • BLOCK, N.C. Contact	1
8	103041	• STRAIN RELIEF, Cord 1/2"	1
9	103255	• CORD, 18/4 x 24" lg.	1
10	107712	• CONNECTOR ASSEMBLY, 5 Pole male (Replaces 4 pole round connector by also ordering Connector, 107711)	1
11	(Ref.)	• SWITCH ASSEMBLY, Platform/base key select	1
	102754	• • HEAD, Key switch	1
	104466	• • KEY, #455	AR
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	1
	103225	• • BLOCK, N.C. Contact	1
12	(Ref.)	• SWITCH ASSEMBLY, Platform up/down	1
	102837	• • HEAD, Selector switch	1
	103100	• • BASE, Contact	1
	103141	• • BLOCK, N.O. Contact	1
13	102976	• BOX, Base control, B	1

FIGURE 6-46. AC OUTLET ON PLATFORM OPTION

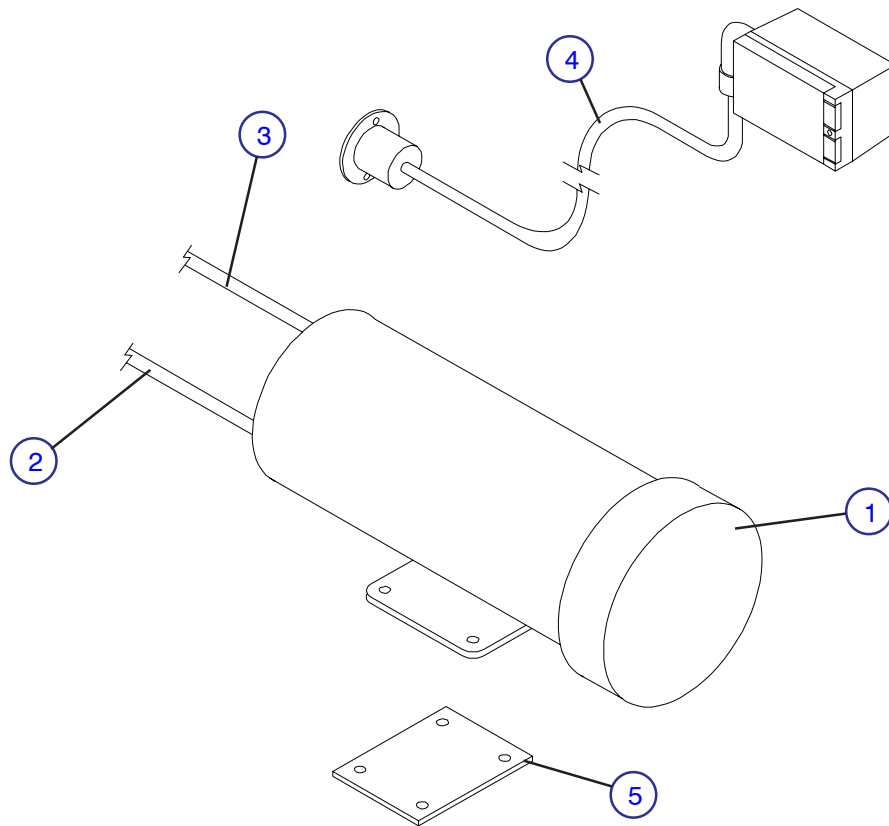


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FIGURE 6-46. AC OUTLET ON PLATFORM OPTION

Index No.	Skyjack Part No.	Description	Units per Assy.
A	105933	AC OUTLET ON PLATFORM - Model 3015 (110V)	-
B	109923	AC OUTLET ON PLATFORM - Model 3219 (110V)	-
C	310101	AC OUTLET ON PLATFORM - Model 3015 (220V) (ANSI/SIA and CSA)	-
D	310099	AC OUTLET ON PLATFORM - Model 3015 (220V) (CE)	-
E	310102	AC OUTLET ON PLATFORM - Model 3219 (220V) (ANSI/SIA and CSA)	-
F	310100	AC OUTLET ON PLATFORM - Model 3015 (220V) (CE) (Consists of items 1 thru 9)	
1	108736	• COVER, Cable protection LH (Replaces 105413), A, B	1
	109552	• ELECTRICAL ASSEMBLY, AC Outlet, A	1
	109553	• ELECTRICAL ASSEMBLY, AC Outlet, B (Consists of items 2 thru 7)	1
2	109700	• BOX, GFI Receptacle	1
3	109698	• RECEPTACLE, 125V GFI, A, B	1
4	109699	• PLATE, Weatherproof GFI cover	1
5	103035	• CONNECTOR, 90° Strain relief	1
6	105269	• CORD, 14/3 x 312" lg., A	1
	105269	• CORD, 14/3 x 432" lg., B, E	1
	105269	• CORD, 14/3 x 288" lg., C	1
	300331	• CORD, 14/3 x 432" lg., D	1
	300331	• CORD, 14/3 x 432" lg., F	1
7	105271	• PLUG, 3-Prong male recessed, A, B	1
8	110333	• LABEL, Connect supply here, A, B	1
		NOTE: The following parts were used on earlier machines:	
	104343	BOX, Duplex receptacle	1
	104408	RECEPTACLE, 125V Duplex	1
	104342	PLATE, Weatherproof duplex cover	1
	103035	CONNECTOR, 90 Strain relief	1

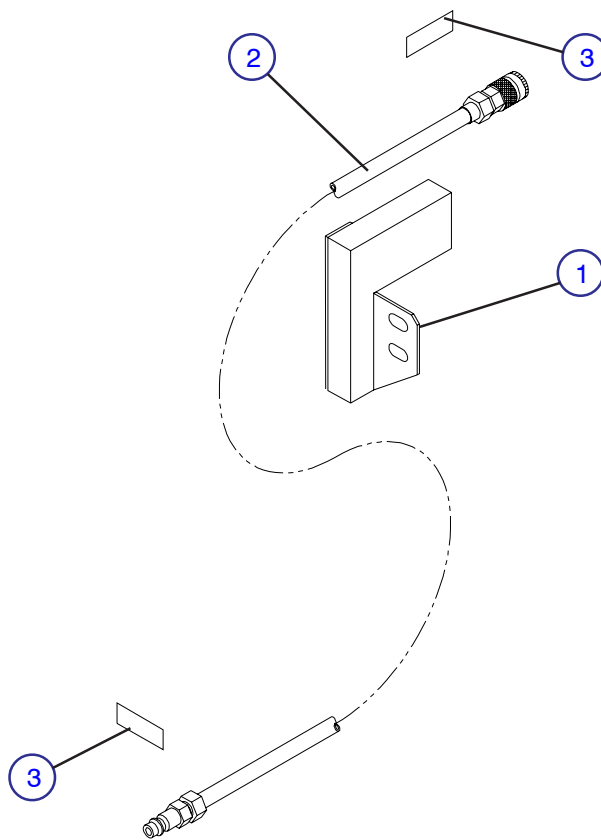
FIGURE 6-47. 800W GENERATOR OPTION



MA-SJM-24A

Index No.	Skyjack Part No.	Description	Units per Assy.
	(Ref.)	800W GENERATOR OPTION (Order components)	-
1	105882	• GENERATOR, 800 Watt	1
	106049	• • BOLT, Carriage 5/16-18 x 1-1/4 " lg.	4
	103404	• • WASHER, Lock 5/16"	4
	103996	• • WASHER, Flat 5/16"	4
	100397	• • NUT, Hex 5/16-18	4
2	108398	• CABLE, Battery positive	1
3	108399	• CABLE, Battery negative	1
4	(Ref.)	• AC OUTLET TO PLATFORM (Refer to Figure 6-46.)	1
5	107996	PLATE, Generator mounting (welded to 1st inner scissors)	1

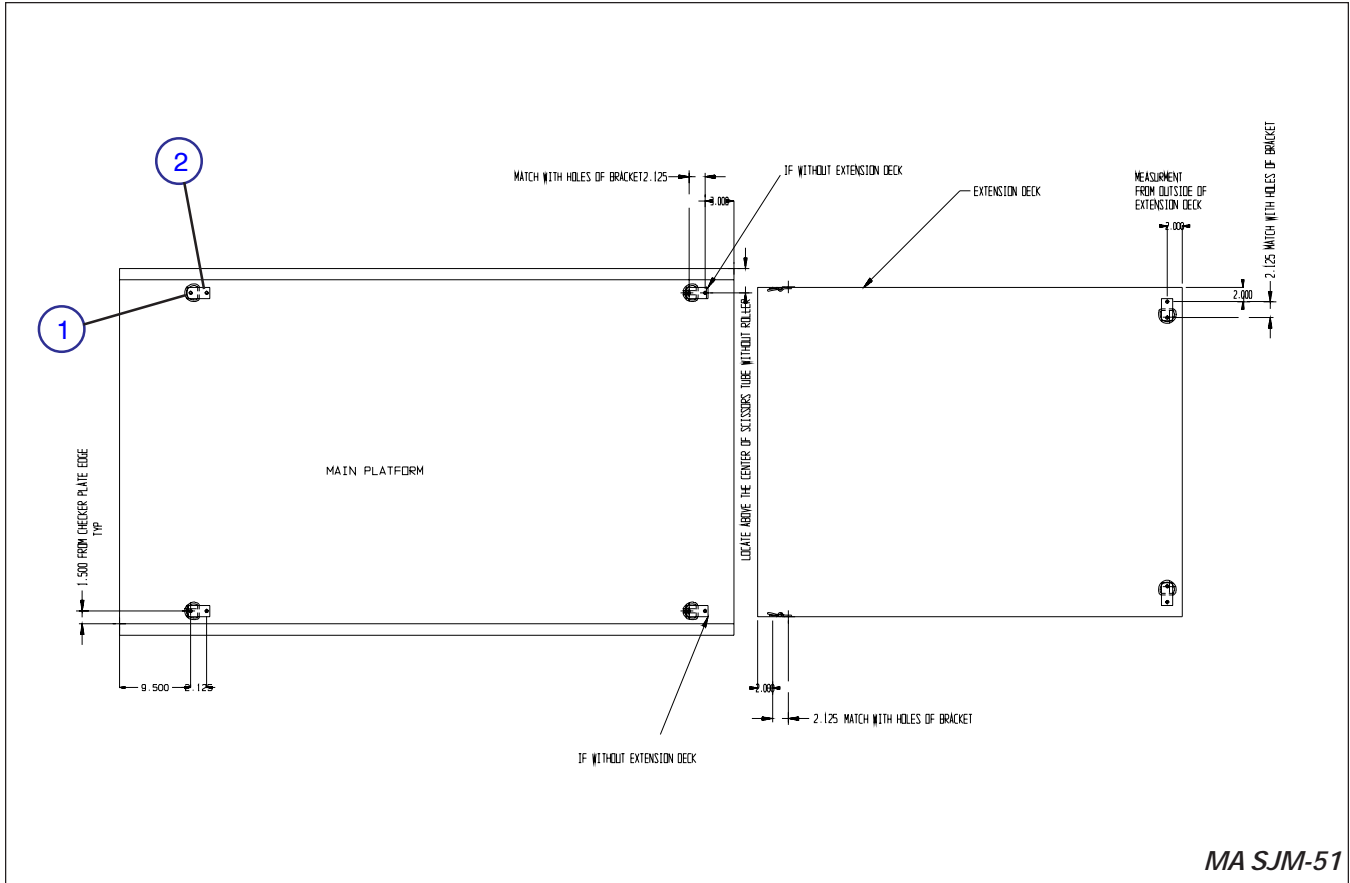
FIGURE 6-48. AIR HOSE TO PLATFORM OPTION



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Index No.	Skyjack Part No.	Description	Units per Assy.
A	310052	AIR HOSE TO PLATFORM - Model 3015 (Replaces 109556)	-
B	310053	AIR HOSE TO PLATFORM - Model 3219 (Replaces 107888)	-
1	109372	• COVER, Hose protection LH	1
2	(Ref.)	• HOSE ASSEMBLY, Air to platform	1
	107882	• • FITTING, Female disconnect	1
	107883	• • FITTING, Male disconnect	1
	107884	• • HOSE, Air line 1/2" x 330" lg., A	1
	107884	• • HOSE, Air line 1/2" x 450" lg., B	1
	109050	• • FITTING, Hose barb	2
	107886	• • CLAMP, Hose	2
3	107887	• LABEL, Connect air here	2
	102891	• STRAP, Tie 7" lg.	AR
	102893	• STRAP, Tie 13-1/2" lg.	AR

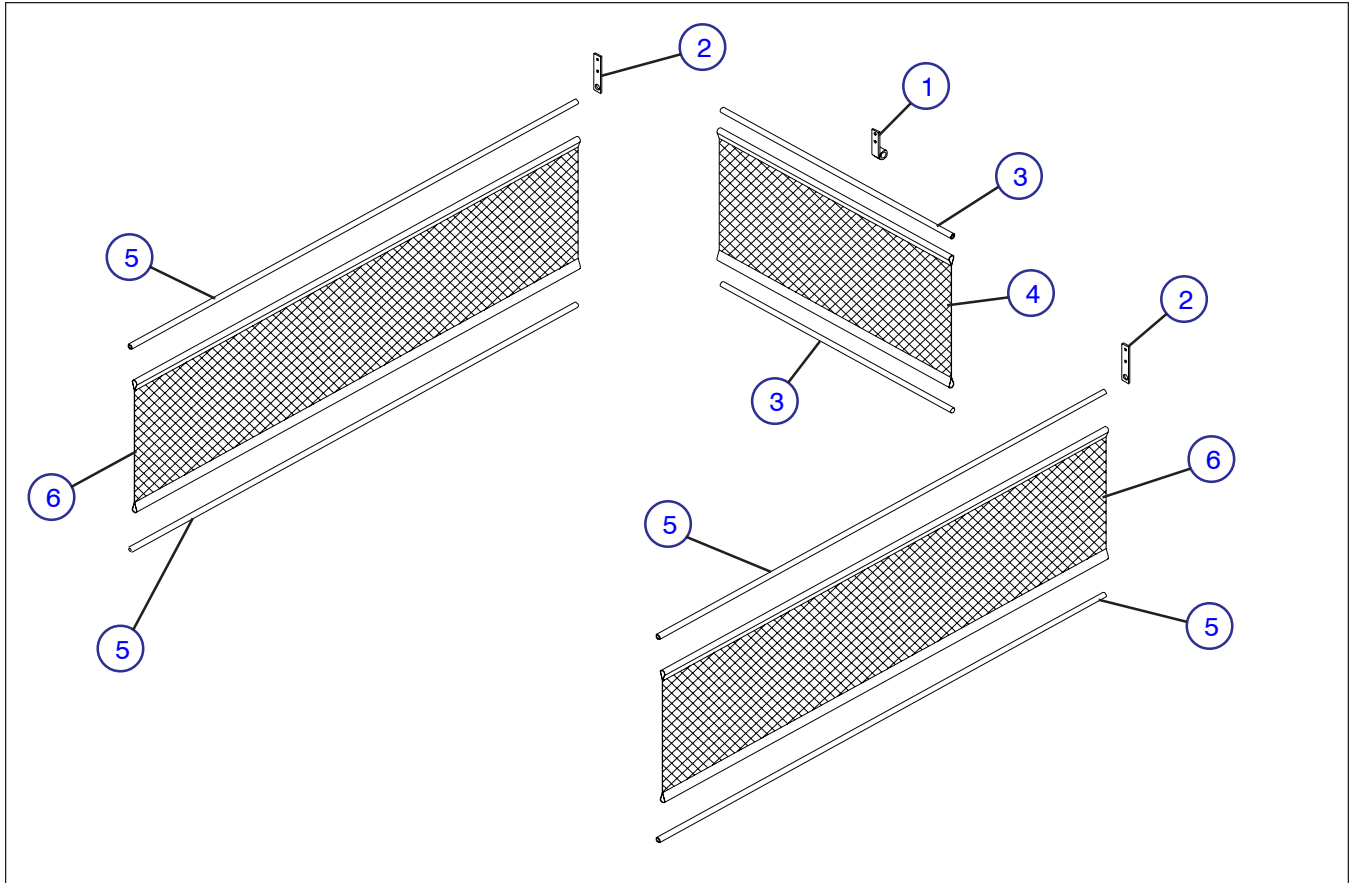
FIGURE 6-49. D-RING LANYARD ATTACHMENTS OPTION



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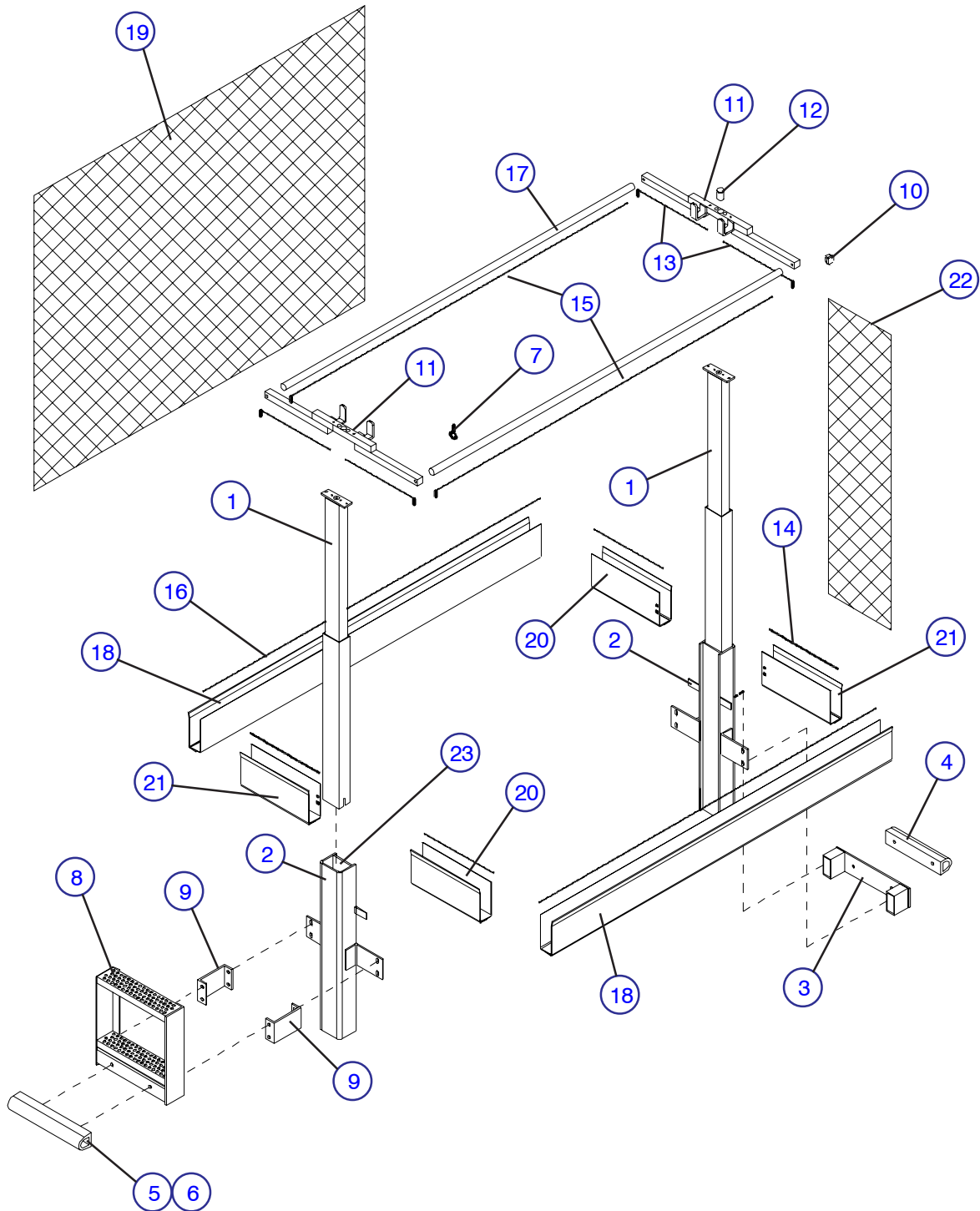
Index No.	Skyjack Part No.	Description	Units per Assy.
1	113122	D-RING, Lanyard attachment BRACKET, D-ring	AR
2	114989		AR

FIGURE 6-50. SCISSOR GUARD OPTION - France



Index No.	Skyjack Part No.	Description	Units per Assy.
	114281	SCISSOR GUARD ASSEMBLY, (France) (3219) (For machines with Serial Number 23412 and Above)	-
1	113665	BRACKET, Scissor guard front	2
	103473	• BOLT, Hex-hd 3/8-16 x 1" lg.	4
	103999	• WASHER, Lock 3/8"	4
	103978	• NUT, Hex-hd 3/8-16	4
2	113656	BRACKET, Scissor guard rear	2
	103473	• BOLT, Hex-hd 3/8-16 x 1" lg.	4
	103999	• WASHER, Lock 3/8"	4
	103978	• NUT, Hex-hd 3/8-16 x 1" lg.	4
3	114275	TUBE, Front and rear	2
	103871	• BOLT, Hex-hd 3/8-16 x 1" lg.	4
	103999	• WASHER, Lock 3/8"	4
4	114279	MESH, Front and rear	2
5	112464	TUBE, Side	4
	101632	• BOLT, Hex-hd 3/8-16 x 3/4" lg.	4
	103999	• WASHER, Lock 3/8"	4
	103472	• WASHER, Flat 3/8"	4
6	114280	MESH, Side	2

FIGURE 6-51. SCISSOR GUARD OPTION - Other Than France



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FIGURE 6-51. SCISSOR GUARD OPTION - Other Than France

Index No.	Skyjack Part No.	Description	Units per Assy.
A	112925	SCISSOR GUARD ASSEMBLY (Model 3015)	
B	112955	SCISSOR GUARD ASSEMBLY (Model 3219)	
1	110709	• MAST ASSY., Scissor guard	2
	110479	• • MAST, Scissor guard top	2
	110465	• • MAST, Scissor guard bottom	2
	110499	• • ABSORBER, Gas spring	2
	110345	• • CABLE, Galv. 55-3/4" lg.	4
	110483	• • PAD, Nylon 4" x 6" lg.	4
	110484	• • PAD, Nylon 2-1/2" x 6" lg.	4
	110481	• • SPACER	8
	110482	• • PIN, 1/4" x 2" lg.	4
	110480	• • PULLEY, Bronze	4
	112380	• • BEARING	4
2	110520	• HOUSING, Main mast	2
3	110490	• RETAINER, Front bumper	1
	110509	• • SPACER, Scissor guard	2
	110489	• • PLATE, Bumper	1
4	110599	• BUMPER, Front	1
	103915	• • BOLT, Hex hd 3/8"-16 x 3-1/2" lg.	4
	103999	• • WASHER, Lock 3/8"	4
5	112883	• BUMPER, Rear	1
6	110600	• RETAINER, Rear bumper	2
7	110525	• RING, Split	18
8	110488	• LADDER, Euro	1
9	112354	• SPACER, Ladder	2
	103978	• • NUT, Hex hd. 3/8"	4
	103472	• • WASHER, Flat 3/8"	4
10	105946	• CAP, Tube end 1"	8
11	112557	• SUPPORT, Curtain (A)	2
	112861	• SUPPORT, Curtain (B)	2
	103860	• • BOLT, Hex hd. 1/4"-20 x 1-3/4" lg.	4
	103995	• • WASHER, Flat 1/4"	4
	104000	• • WASHER, Lock 1/4"	4
	103980	• • NUT, Hex hd. 1/4"-20	4
12	110502	• FASTENER, Curtain cylinder	2
13	110531	• ROD, Curtain hanger upper	4
14	110613	• ROD, Curtain hanger lower	4
15	110536	• ROD, Curtain hanger upper side	2
16	110610	• ROD, Curtain hanger lower side	2
17	112464	• TUBE, Curtain upper side	2
	103978	• • BOLT, Hex hd. 3/8"-16 x 1-3/4" lg.	4
	103998	• • WASHER, Lock 3/8"	4
18	112555	• CHANNEL, Curtain storage side	2
19	111183	• CURTAIN, Mesh 60-1/2" x 47"	2
20	110570	• CHANNEL, Curtain storage LH	2
21	110569	• CHANNEL, Curtain storage RH	2
22	111182	• CURTAIN, Mesh 11-1/2" x 47"	2
23	112299	• PAD, Nylon 4-9/16" x 6"	8

FIGURE 6-52. LABELS AND NAMEPLATES

Index No.	Skyjack Part No.	Description	Units per Assy.
	108441	KIT, Service label	-
1	105672	• LABEL, Danger	1
2	106695	• LABEL, Caution	1
3	105959	• LABEL, Battery switch	1
4	106760	• LABEL, Keep	2
5	106761	• LABEL, Clear	2
6	106515	• LABEL, Towing instructions (Replaces 102484)	1
7	105983	• LABEL, Power off/on	1
8	102896	• LABEL, Forklift boot	2
9	103077	• LABEL, Safety bar	1
10	103110	• STRIPE, Red/blue/red (164" total) Not included in kit.	AR
11	103125	• STRIPE, White/blue (158" total) Not included in kit.	AR
12	103297	• LABEL, Free-wheeling valve	1
13	108665	• LABEL, Compliance to standards	1
14	102975	• STRIPE, Warning (648" roll) Not included in kit.	AR
15	106691	• LABEL, Operator's checklist	1
16	102505	• LABEL, Emergency lowering (velocity fuse)	1
	111605	• LABEL, Emergency lowering (holding valve)	1
17	103706	• LABEL, Skyjack vertical logo	2
18	102894	• LABEL, Do not lift from sides	2
19	108946	• LABEL, Skyjack logo	2
20	106705	• LABEL, Do not alter (near limit switch)	AR
21	102657	• LABEL, Up/down (on control box)	1
22	106704	• LABEL, Operator warning (on control box)	1
23	102627	• LABEL, Emergency stop (on control box)	1
24	103805	• LABEL, Up/down (on electrical panel)	1
25	102599	• LABEL, Lift/off/drive (on control box)	1
26	108442	• LABEL, Push to down (on electrical panel)	1
27	102912	• LABEL, Daily maintenance (on battery charger)	1
28	108855	• LABEL, Lift enable (on control box)	1
29	108666	• LABEL, Replacement parts	1
30	(Ref.)	<i>The following parts are not included in Label Kit:</i>	
	107426	LABEL, Model designation	
		• SJM 3015	2
	111218	• SJM 3219	2
31	105745	PLATE, Safety label	1
	117355	PLATE, Manual box	1
	103632	• BOLT, Self-tapping 1/4-14 x 3/4" lg.	4
32	105744	TUBE, Manual 9" lg.	1
	117293	ENCLOSURE, Manual	1
	117294	LABEL, Manual enclosed	1
33	105802	CAP, Manual tube end	2
34	105934	CLAMP, Manual tube	2
35	108674	LABEL, Platform capacity	2
36	109985	LABEL, Annual inspection	1
	107903	<i>For machines with Air Hose To Platform Option:</i> LABEL, Connect air here	2
		<i>For EE-Rated Machines:</i>	
	110667	LABEL, Warning, battery charging	1
	104589	LABEL, EE-Rating (diamond symbol)	1
	104588	LABEL, FM Approved	1
		Supply Model Number and Serial Number when ordering complete machine labels.	

FIGURE 6-52. LABELS AND NAMEPLATES

