



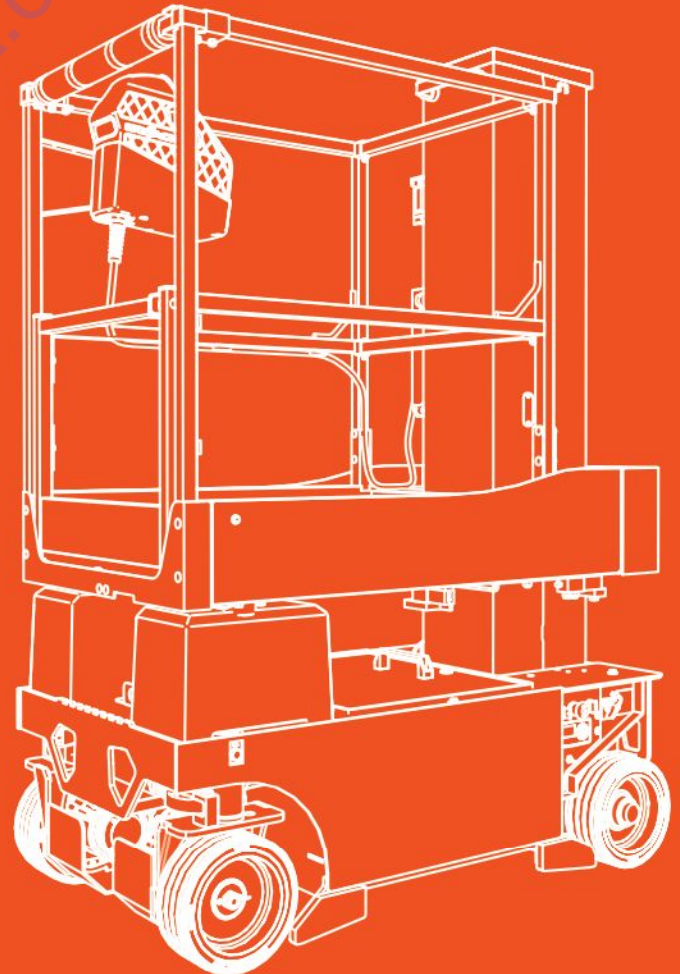
**SKYJACK**

# PARTS MANUAL

---

**SJ20**

VERTICAL MAST LIFTS



**23885AAA**

March 2021  
ANSI/CSA

# PARTS FINDER

**Search Website  
by Part Number**



**Search Manual  
Library For Parts  
Manual & Lookup Part  
Numbers – Purchase  
or Request Quote**

**Search Manuals**

Enter your information to help us find the right parts manual for your machine.

\* Brand:

\* Model:

\* Serial:

\* Part Number:

SEARCH

**Can't Find Part or  
Manual? Request Help  
by Manufacturer,  
Model & Description**

**Parts Order Form**

Please fill in the following information to help us find the right part for your machine.

Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Description:	<input type="text"/>
Part Number:	<input type="text"/>
Quantity:	<input type="text"/>
Notes:	<input type="text"/>

Submit

Discount-Equipment.com is your online resource for quality parts & equipment.

Florida: **561-964-4949** Outside Florida TOLL FREE: **877-690-3101**

**Need parts?**

Click on this link: <http://www.discount-equipment.com/category/5443-parts/> and choose one of the options to help get the right parts and equipment you are looking for. Please have the machine model and serial number available in order to help us get you the correct parts. If you don't find the part on the website or on one of the online manuals, please fill out the request form and one of our experienced staff members will get back to you with a quote for the right part that your machine needs.

We sell worldwide for the brands: Genie, Terex, JLG, MultiQuip, Mikasa, Essick, Whiteman, Mayco, Toro Stone, Diamond Products, Generac Magnum, Airman, Haulotte, Barreto, Power Blanket, Nifty Lift, Atlas Copco, Chicago Pneumatic, Allmand, Miller Curber, Skyjack, Lull, Skytrak, Tsurumi, Husquvarna Target, Stow, Wacker, Sakai, Mi-T-M, Sullair, Basic, Dynapac, MBW, Weber, Bartell, Bennar Newman, Haulotte, Ditch Runner, Menegotti, Morrison, Contec, Buddy, Crown, Edco, Wyco, Bomag, Laymor, EZ Trench, Bil-Jax, F.S. Curtis, Gehl Pavers, Heli, Honda, ICS/PowerGrit, IHI, Partner, Imer, Clipper, MMD, Koshin, Rice, CH&E, General Equipment, Amida, Coleman, NAC, Gradall, Square Shooter, Kent, Stanley, Tamco, Toku, Hatz, Kohler, Robin, Wisconsin, Northrock, Oztec, Toker TK, Rol-Air, APT, Wylie, Ingersoll Rand / Doosan, Innovatech, Con X, Ammann, Mecalac, Makinex, Smith Surface Prep, Small Line, Wanco, Yanmar

**This manual is based on serial numbers:**

**SJ20:** A601 000 001 & above

Please refer to the website ([www.discount-equipment.com](http://www.discount-equipment.com))  
for contact information, other serial numbers, the most  
recent technical manuals, and USB software.

Go to Discount-Equipment.com to order your parts

---

# Table of Contents

Foreword.....	5
General.....	5
Parts Ordering Information.....	5
Method of Listing.....	5
Quantities.....	5
How To Order Repair Parts.....	5
<b>Section 1 – Platform.....</b>	<b>7</b>
1.1 Upper Platform.....	8
1.2 Lower Platform.....	10
1.3 Lower Platform.....	11
1.4 Railings - Half Gate.....	12
1.5 Railings - Saloon Gate.....	13
1.6 Half Gate.....	14
1.7 Saloon Gate.....	15
1.8 Platform Control Console.....	16
1.9 Joystick.....	18
1.10 Platform Control Cable.....	20
1.11 Platform Control Cable - SGLE.....	22
1.12 Platform Electrical Group.....	24
1.13 Platform Limit Switches.....	26
<b>Section 2 – Mast.....</b>	<b>27</b>
2.1 Mast 1 - SJ20.....	28
2.2 Mast 2 - SJ20.....	30
2.3 Mast 3 - SJ20.....	32
2.4 Mast 4 - SJ20.....	34
2.5 Mast 5 - SJ20.....	36
2.6 Mast Cylinder Group.....	38
2.7 Lift Cylinder.....	40
2.8 Mast Electrical.....	42
2.9 Mast Control Cable.....	44

<b>Section 3 – Base</b> .....	<b>45</b>
3.1 Chassis .....	46
3.2 Drive and Steer Group .....	48
3.3 Steer Cylinder .....	50
3.4 Motor .....	51
3.5 Power Unit .....	52
3.6 Cover .....	54
3.7 Base Electrical .....	56
3.8 Controller .....	58
3.9 Base Limit Switch .....	59
3.10 Base Control .....	60
3.11 Charger .....	62
3.12 Wheels .....	63
3.13 Batteries .....	64
3.14 Counterweight .....	66
3.15 Main Harness - ZAPI A .....	68
3.16 Main Harness - ZAPI B .....	70
3.17 Base Control Harness - ZAPI A .....	72
3.18 Base Control Harness - ZAPI B .....	74
<b>Section 4 – Hose Connections</b> .....	<b>77</b>
4.1 Standard Hose Numbering System .....	78
4.2 Hydraulic Hoses .....	80
<b>Section 5 – Attachments and Options</b> .....	<b>83</b>
5.1 Tube Caddy .....	84
5.2 Light Duty Pipe Rack .....	86
5.3 Tool Tray .....	88
5.4 Saloon Gate Kit .....	90
5.5 Half Gate Kit .....	92
5.6 Dual Flashing Light Kit .....	94
5.7 EcoTray Kit .....	95
5.8 Outdoor Option Kit .....	96
<b>Section 6 – Labels</b> .....	<b>99</b>
6.1 Label Kits .....	100
6.2 Labels - Rear View .....	101
6.3 Labels - Sides .....	102
6.4 Labels - Front .....	103
6.5 Labels - Platform Control .....	104
6.6 Labels - Miscellaneous .....	105

# Foreword

## General

The information contained in this manual is designed to aid the user in locating and identifying replacement parts. Component parts of various assemblies and subassemblies 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 manual, contact Discount-equipment for assistance.

## 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 at the beginning of a parts list may be identified with a reference letter: A, B, C, etc. These letters are used to identify different configurations of the assembly. Individual parts in these lists have corresponding letters after their description to identify which assembly it is used in. If a part does not have a reference letter, it is used in all of the assemblies.

Bullets (•) are used to show the assembly structure, or parent/child relationship. A part listed at the beginning of the parts list without a bullet before the description is the main assembly, and all of the parts below it with one bullet are the subcomponent parts of that assembly. Two bullets denote a subcomponent of a subcomponent, etc.

### Example:

Main Assembly A

- Part 1 (subcomponent of Main Assembly A)
- Part 2 (subcomponent of Main Assembly A)
- • Part 3 (subcomponent of Part 2)

## Quantities

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

## How To Order Repair Parts

1. Address all orders to Discount-equipment.
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 it is a bulk item).
5. List the part number and description as shown in this manual for each item.
6. Show the billing and shipping address and the name of the individual, if possible.
7. Suggest the best routing.

Customer: \_\_\_\_\_

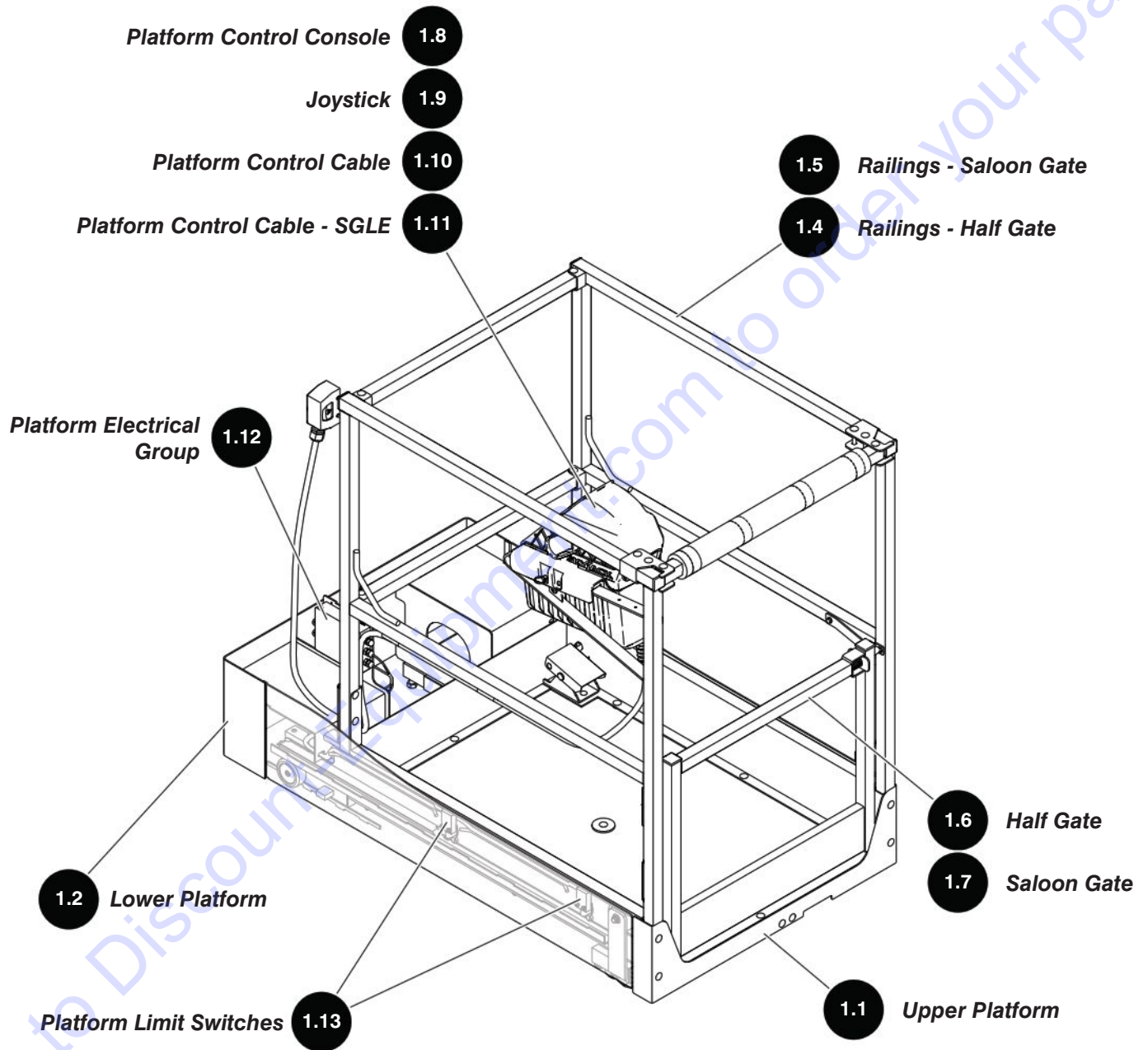
Dealer: \_\_\_\_\_

Model Number: \_\_\_\_\_

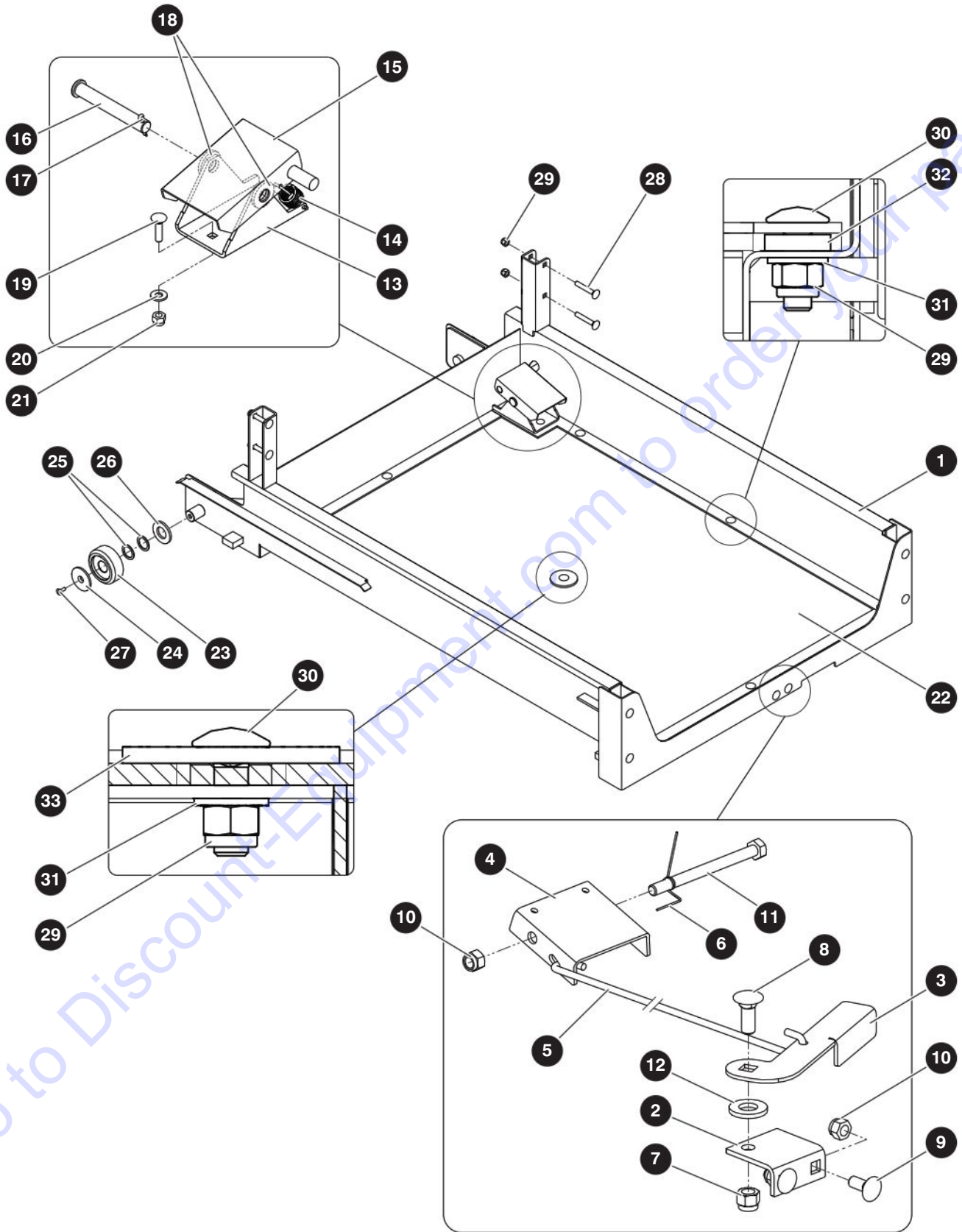
Serial Number: \_\_\_\_\_

Date Purchased: \_\_\_\_\_

# Section 1 – Platform



# 1.1 Upper Platform



M229194AC

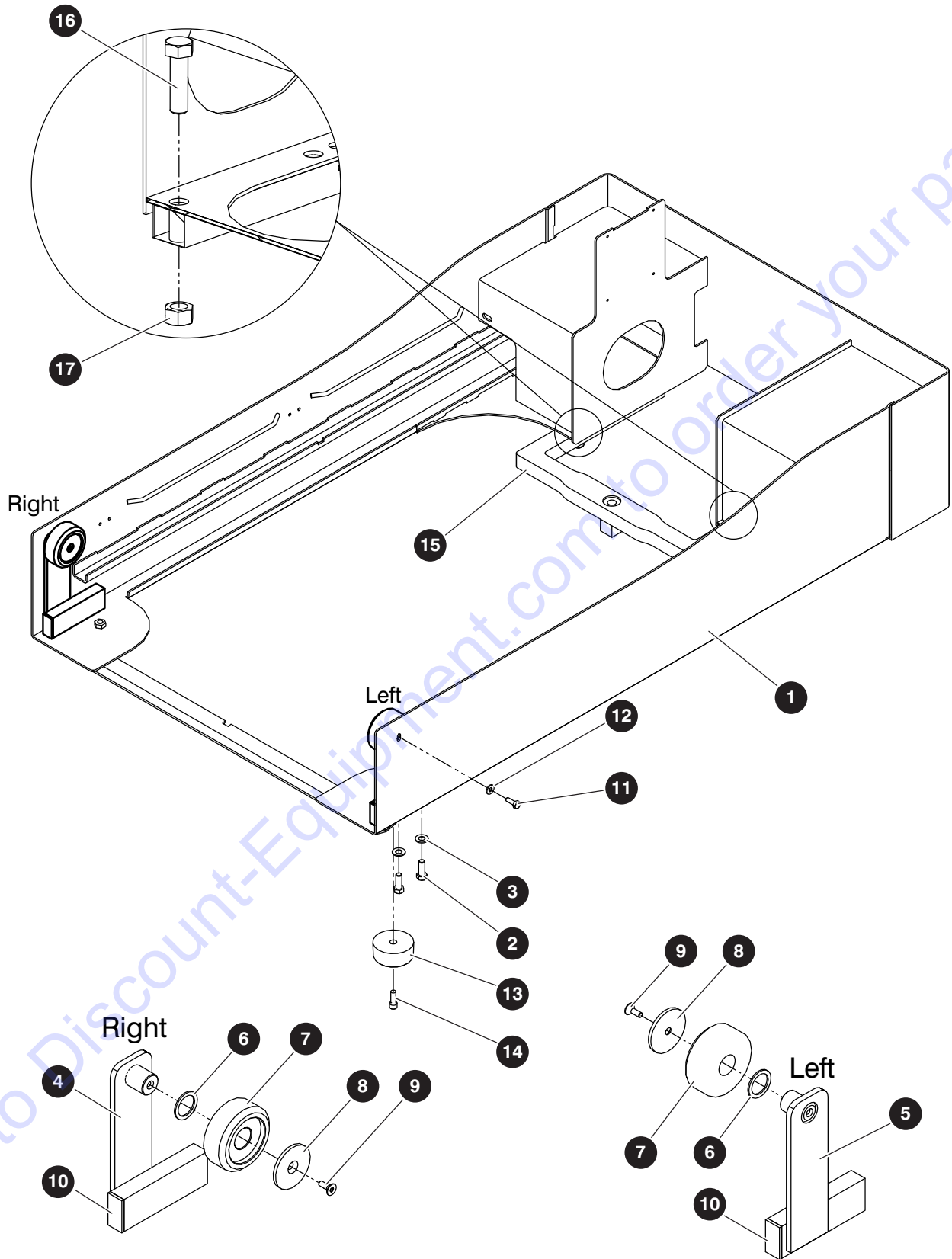
238885AAA



## 1.1 Upper Platform

Index No.	Skyjack Part No.	Qty.	Description
-	229194	1	UPPER PLATFORM
1	229195	1	• PLATFORM, Upper
-	151668	1	• SERVICE LOCK ASM
2	151618	1	• • MOUNT, Service Lock
3	151619	1	• • HANDLE, Service Lock
4	151620	1	• • STRIKER, Service Lock
5	151623	1	• • ROD, Service Lock - 16" OPT
6	156551	1	• • SPRING, Torsion RHW
7	104606	1	• • NUT, Nylon Lock - 3/8"-16 Gr. 5
8	111804	1	• • BOLT, Carriage (3/8"-16 x 1" Gr. 5)
9	110814	2	• • BOLT, Carriage (5/16"-18 x 3/4" Gr. 5)
10	103984	3	• • NUT, Nylon Lock - 5/16"-18 Gr. 5
11	103882	1	• • BOLT, Hex Head (5/16"-18 x 4" Gr. 5)
12	104379	1	• • WASHER, Flat - Hard (1/2")
-	229218	-	• FOOT PEDAL ASM
13	229219	1	• • FOOT PEDAL, Base
14	158100	1	• • SPRING, Extension (3/4" Dia x 2" Lg)
15	158370	1	• • FOOT PEDAL, Top
16	157441	1	• • PIN, Clevis (1/2" Dia x 3-1/2" Lg)
17	157467	1	• • PIN, Cotter (1/8" Dia x 1" Lg)
18	104379	2	• • WASHER, Flat - Hard (1/2")
19	233223	2	• • BOLT, Carriage (1/4"-20 x 1" Gr. 5 Zinc)
20	103995	2	• • WASHER, Flat (1/4")
21	115649	2	• • NUT, Nylon Lock (1/4"-20 Gr. 5)
22	234198	1	• FLOOR MESH
23	151677	2	• ROLLER (2-3/4" OD x 7/8" ID x 1.051")
24	151650	2	• WASHER, Retainer
25	116621	4	• SHIM, Slide Out Pin (1/16")
26	205682	2	• WASHER, Flat - Hard Zinc (7/8")
27	110853	2	• SCREW, Flat Head Cap (1/4"-20 x 5/8" Gr. 5)
28	127437	8	• BOLT, Carriage (5/16"-18 x 2" Gr. 5)
29	103984	17	• NUT, Nylon Lock (5/16"-18 Gr. 5)
30	133216	9	• BOLT, Carriage (5/16"-18 x 1" Gr. 5)
31	103996	9	• WASHER, Flat (5/16")
32	234257	8	• SPACER (3/4" x 7/16" x 3/16")
33	128352	1	• WASHER, Flat - BB Style (1/2")

## 1.2 Lower Platform



M229192AC

238885AAA

10

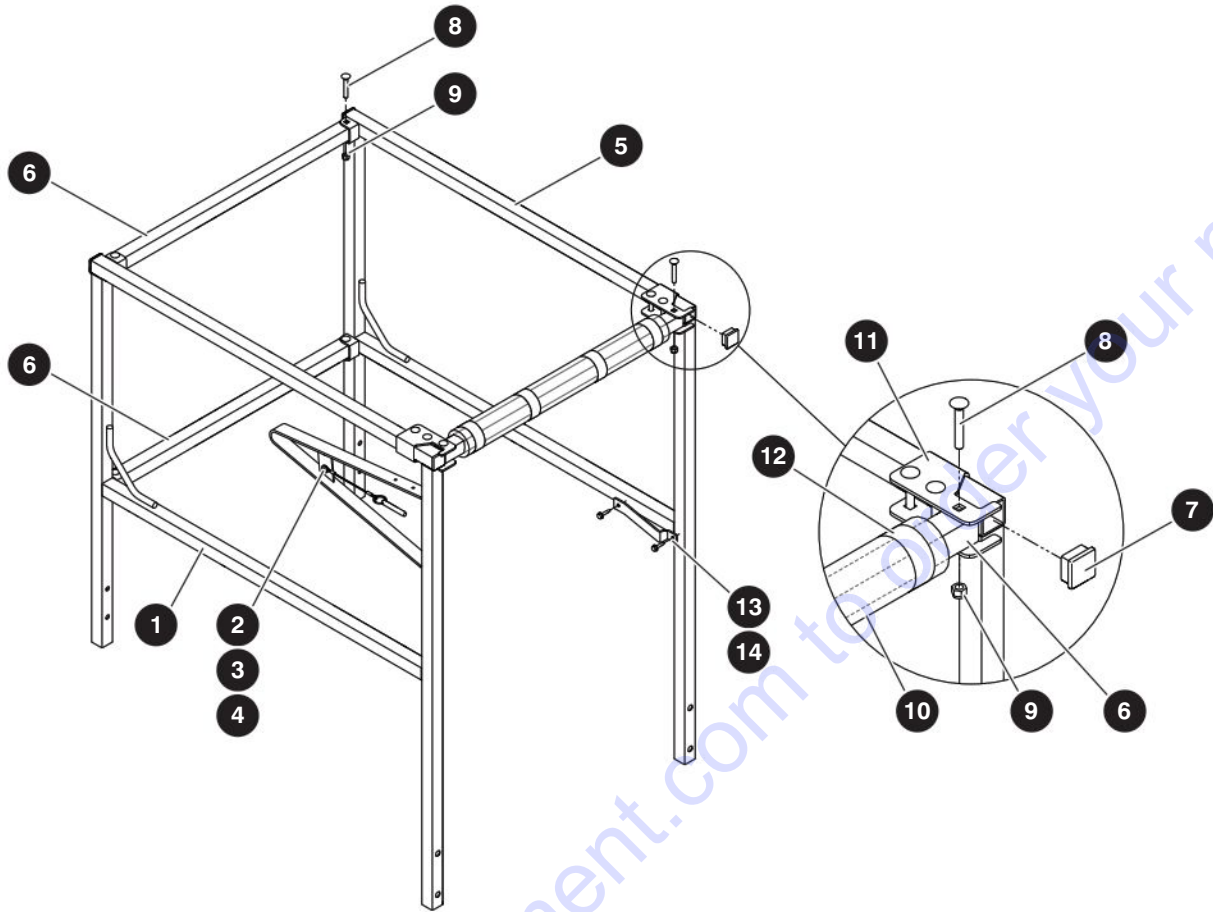
SJ20

SKYJACK

## 1.3 Lower Platform

Index No.	Skyjack Part No.	Qty.	Description
-	229192	1	LOWER PLATFORM
1	229193	1	• PLATFORM, Lower
2	103473	4	• BOLT, Hex Head Zinc (3/8"-16 x 1" Gr. 5)
3	103472	4	• WASHER, Flat (3/8")
<b>A</b>	234236	1	• FRONT ROLLER ASM, Right Side
<b>B</b>	234238	1	• FRONT ROLLER ASM, Left Side
4	234233	1	• • ROLLER, Front - Right Side (Control box side), <b>A</b>
5	234237	1	• • ROLLER, Front - Left Side, <b>B</b>
6	116621	2	• • SHIM, Slide Out Pin (1/16")
7	151677	2	• • ROLLER (2-3/4" OD x 7/8" ID x 1.051")
8	151650	2	• • WASHER, Retainer
9	110853	2	• • SCREW, Flat Head Cap (1/4"-20 x 5/8" Gr. 5)
10	158841	2	• • PAD, Polyurethane (1-1/2" x 3/4" x 1/8")
11	103856	2	• BOLT, Hex Head Zinc (1/4"-20 x 3/4" Gr. 5)
12	103995	2	• WASHER, Flat (1/4")
13	111135	2	• BUMPER, R(PU55D)R (2.55" Dia x 1-1/2")
14	157822	2	• SCREW, Socket Head Cap (5/16"-18 x 7/8")
15	234247	1	• LINK, Platform
16	126361	2	• BOLT, Hex Head (1/2"-13 x 1-3/4" Gr. 8)
17	123856	2	• NUT, Hex (1/2"-13 Gr. 8)

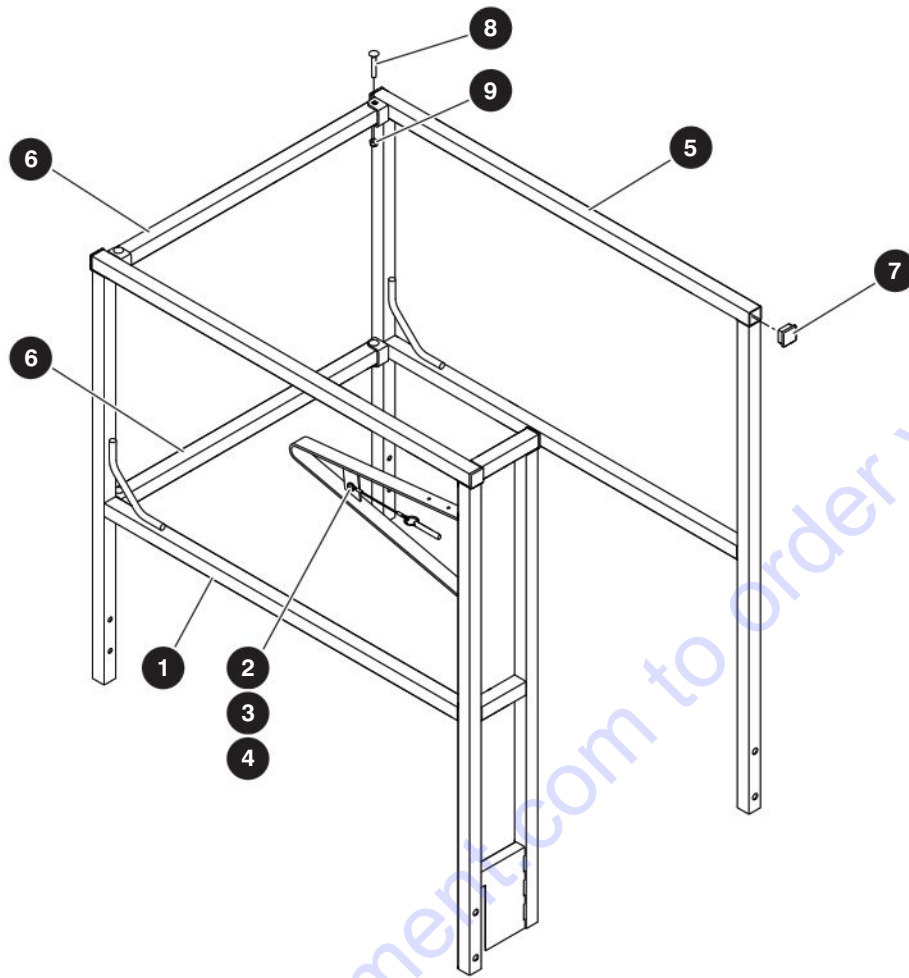
## 1.4 Railings - Half Gate



M234212AB

Index No.	Skyjack Part No.	Qty.	Description
-	234212	1	HALF GATE RAILINGS
-	234213	1	• RAILING ASM, Right side - Control box side
1	234145	1	• • RAILING, Right side - Control box side
2	216212	1	• • PIN ASM, Quick Release - Large Loop
3	157173	1	• • RIVET, Pop (1/4" x 0.490" AL SM FLG GM HD O-END)
4	103995	1	• • WASHER, Flat (1/4")
5	234149	1	• RAILING, Left side
6	151478	3	• TUBE, Square (1-1/4" x 0.083" x 26-3/4")
7	100702	4	• PLUG, Plastic Tube - 1-1/4" X 1-1/4"
8	127437	10	• BOLT, Carriage (5/16"-18 x 2" Gr. 5)
9	103984	10	• NUT, Nylon Lock (5/16"-18 Gr. 5)
10	125691	1	• PADDING, Entry Rail
11	156486	2	• MOUNT, Top Bar
12	119803	4	• TAPE, Caution (1")
13	230100	1	• STRIKER
14	112329	2	• BOLT, Self Tapping (1/4"-14 x 1")

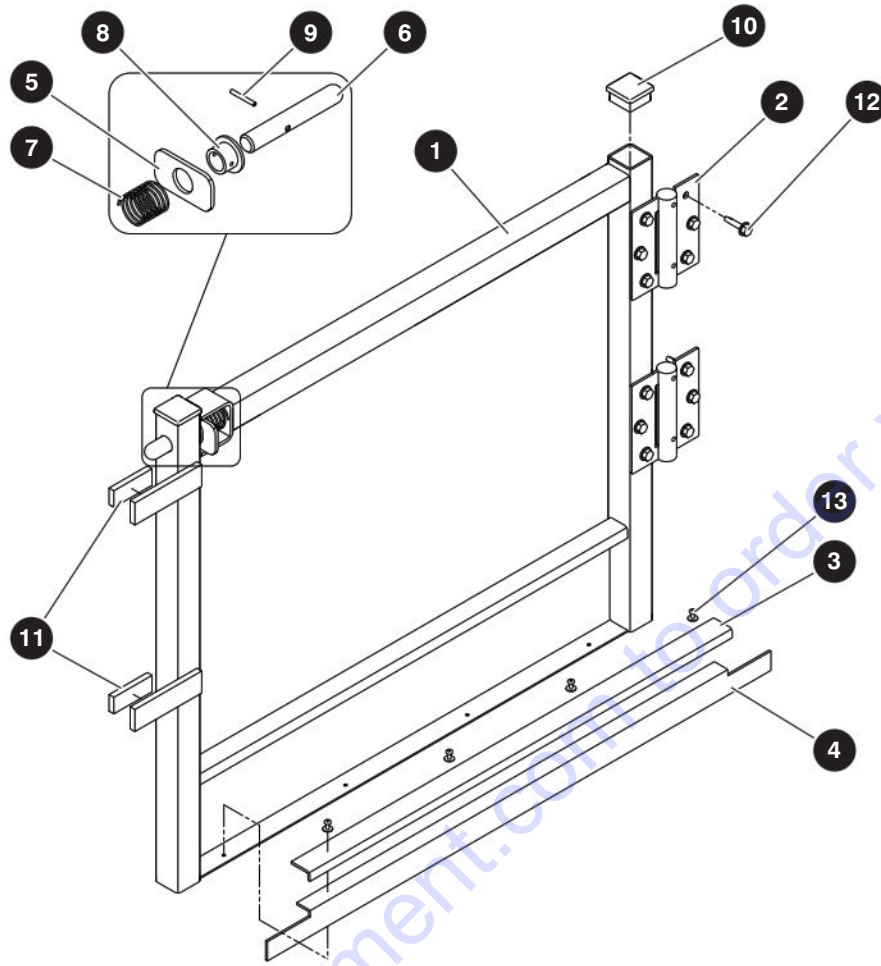
## 1.5 Railings - Saloon Gate



M234142AB

Index No.	Skyjack Part No.	Qty.	Description
-	234142	1	SALOON GATE RAILINGS
-	234143	1	• RAILING ASM, Right side - Control box side
1	234144	1	• • RAILING, Right side - Control box side
2	216212	1	• • PIN ASM, Quick release - Large loop
3	157173	1	• • RIVET, Pop (1/4" x 0.490" AL SM FLG GM HD O-END)
4	103995	1	• • WASHER, Flat (1/4")
5	234149	1	• RAILING, Left side
6	151478	2	• TUBE, Square (1-1/4" x 0.083" x 26-3/4")
7	100702	5	• PLUG, Plastic Tube - 1-1/4" X 1-1/4"
8	127437	4	• BOLT, Carriage (5/16"-18 x 2" Gr. 5)
9	103984	4	• NUT, Nylon Lock (5/16"-18 Gr. 5)

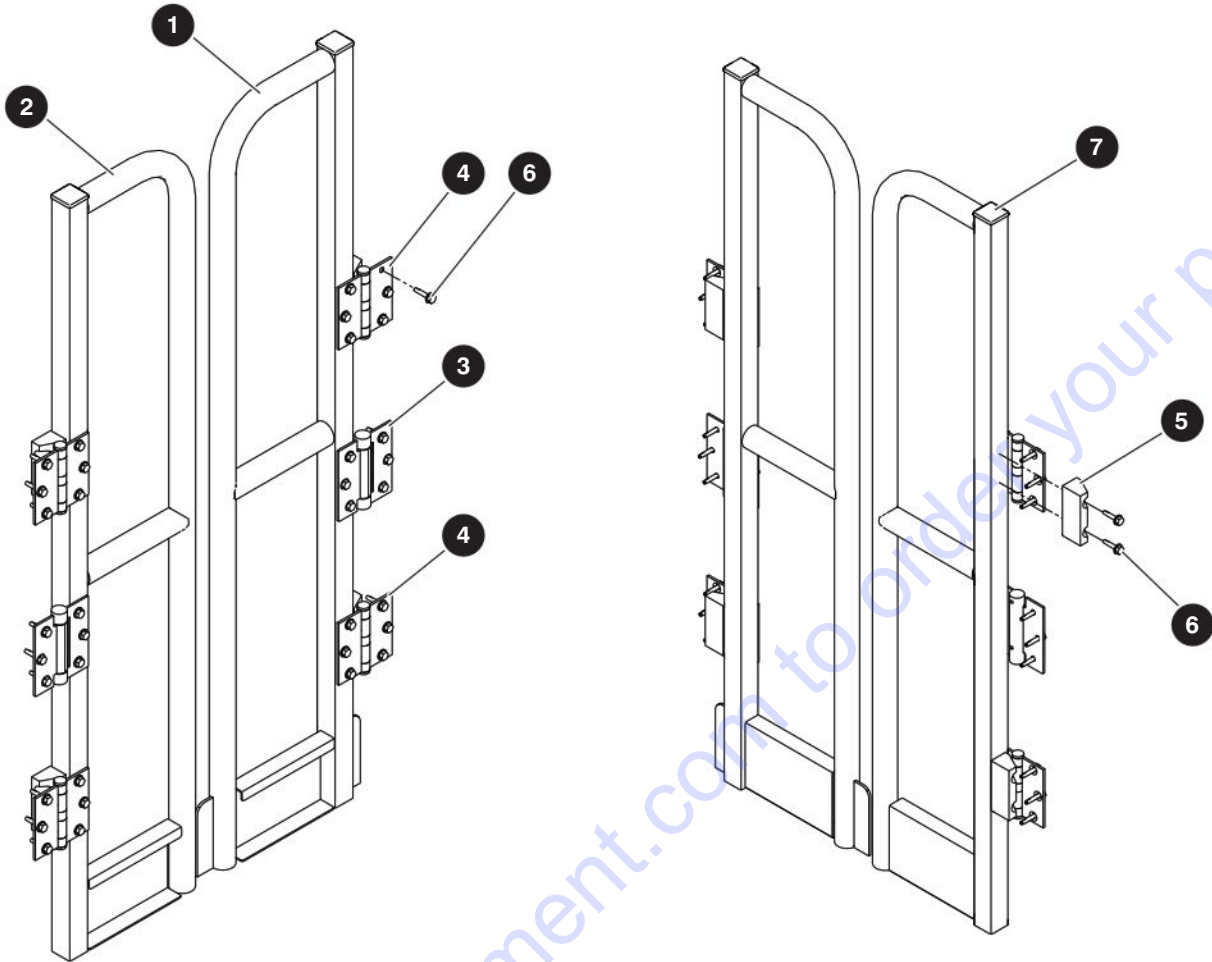
## 1.6 Half Gate



M234214AB

Index No.	Skyjack Part No.	Qty.	Description
-	234214	1	HALF GATE
1	226475	1	• GATE, Half Gate - Lower
2	209527	2	• SPRING HINGE
3	119942	1	• PLATE, Gate Clamp
4	119940	1	• STRIP, Rubber
5	105307	1	• PLATE, Gate Latch Release
6	109377	1	• PIN, Latch
7	103107	1	• SPRING, Compression
8	105312	1	• Latch, Nylon Bed
9	100950	1	• PIN, Roll (1/8" x 1")
10	100702	2	• PLUG, Plastic Tube (1-1/4" X 1-1/4")
11	103628	4	• RUBBER, Self-Seal
12	112329	12	• BOLT, Self Tapping (1/4"-14 x 1")
13	119945	4	• RIVET, Pop (1/8" x 0.390" - AL LG FLG HD O-END)

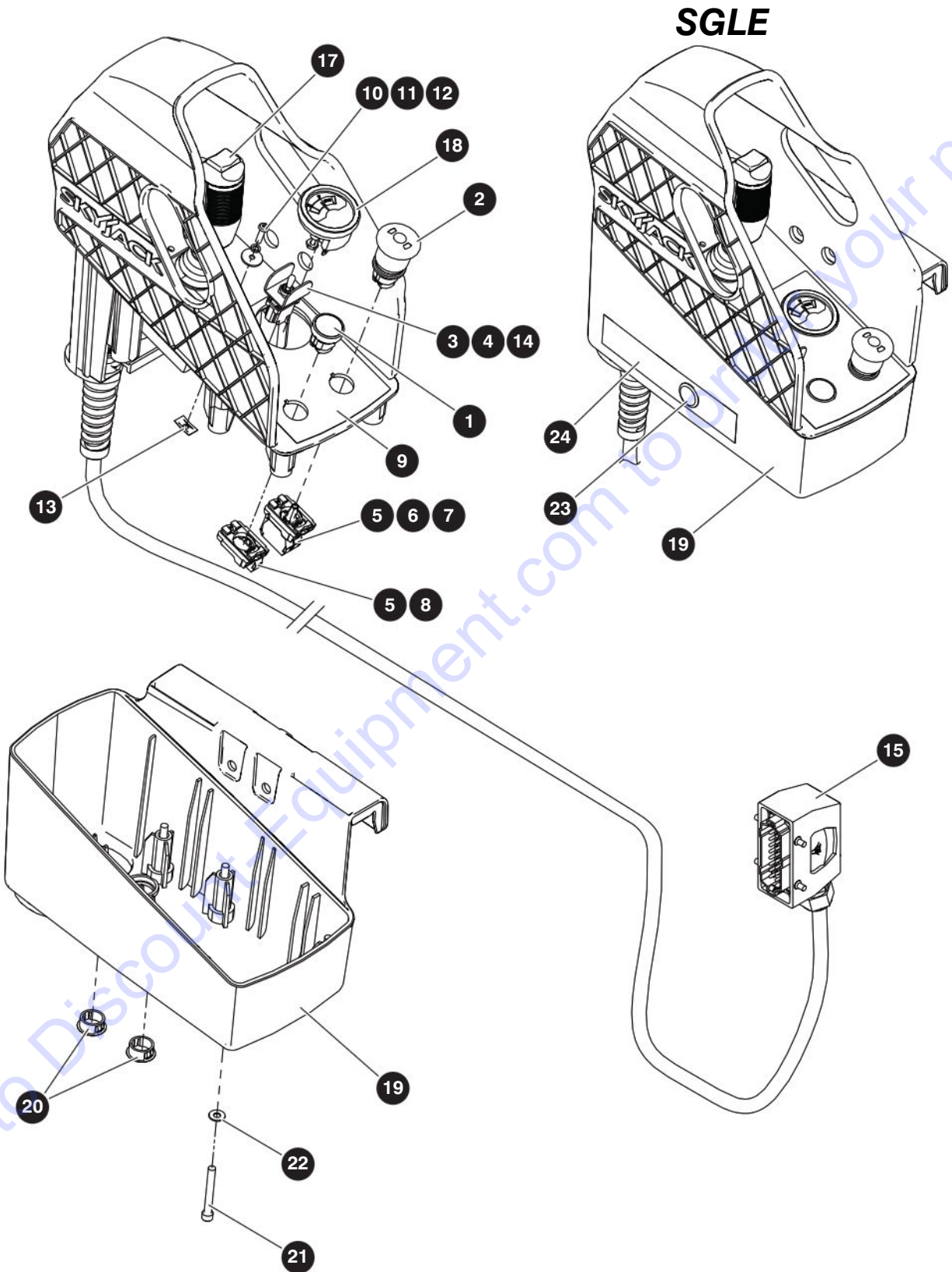
## 1.7 Saloon Gate



M158790AG

Index No.	Skyjack Part No.	Qty.	Description
-	158790	1	SALOON GATE RAILINGS
1	158793	1	• GATE, Saloon - Control Box Side
2	158792	1	• GATE, Saloon
3	209527	2	• SPRING HINGE
4	136176	4	• BUTT HINGE
5	158811	4	• GATE STOP, Saloon Gate
6	112329	44	• BOLT, Self Tapping (1/4"-14 x 1")
7	100702	2	PLUG, Plastic Tube (1-1/4" X 1-1/4")

# 1.8 Platform Control Console



M234035AC

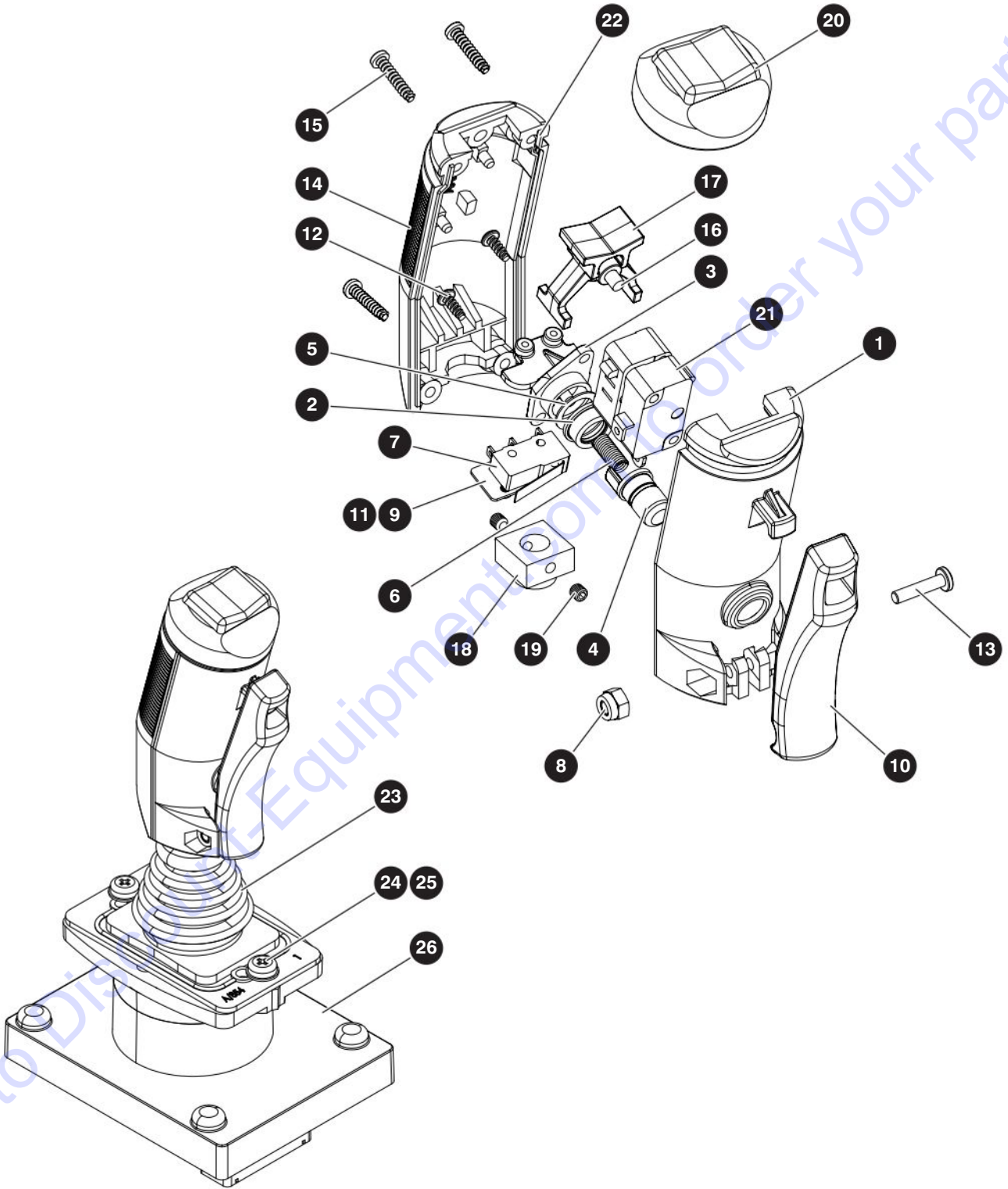
238885AAA



## 1.8 Platform Control Console

Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	234035	1	PLATFORM CONTROL CONSOLE
<b>B</b>	234133	1	PLATFORM CONTROL CONSOLE - SGLE
-	234036	1	• CONTROL BOX ASM, <b>A</b>
	234134	1	• CONTROL BOX ASM- SGLE, <b>B</b>
1	147058	1	• • PUSHBUTTON HEAD, Black
2	147051	1	• • EMERGENCY STOP HEAD
3	111181	1	• • GUARD, Toggle switch
4	144016	1	• • SEAL, Toggle switch panel bushing
5	147056	2	• • LATCH
6	147061	1	• • LED BLOCK, Red - 24V
7	147053	1	• • CONTACT BLOCK, Normally closed
8	147054	1	• • CONTACT BLOCK, Normally open
9	(Ref.)	1	• • LABEL, Platform controls - SJ20 <i>(For components, refer to Section 6.5 Labels)</i>
10	192776	1	• • BOLT, Button head cap screw (#10-24 x 3/4")
11	104185	1	• • WASHER, Lock (#10)
12	168040	1	• • WASHER, Fender type B (3/16" ID x 3/4" OD)
13	213782	1	• • PUSH NUT, Rectangular (#10-24)
14	234118	1	• • SWITCH, Toggle - 1NT1-1
15	(Ref.)	1	• • PLATFORM CONTROL CABLE - SJ20, <b>A</b> <i>(For components, refer to Section 1.10 Platform)</i>
	(Ref.)		• • SGLE PLATFORM CONTROL CABLE - SJ20, <b>B</b> <i>(For components, refer to Section 1.11 Platform)</i>
16	196206	1	• • COVER, DC control box
17	(Ref.)	1	• • JOYSTICK, CAN enable <i>(For components, refer to Section 1.9 Joystick)</i>
18	122093	1	• • INDICATOR, Battery charge
19	196205	1	• BASE, Control box, <b>A</b>
	220965	1	• BASE, Control box - SGLE, <b>B</b>
20	102956	2	• PLUG, Snap-in (7/8" hole)
21	103943	6	• SCREW, Socket head cap (1/4"-20 x 2")
22	221193	6	• WASHER, Flat (#10 zinc)
23	220960	1	• SWITCH, SGLE - With Harness, <b>B</b>
24	(Ref.)	1	• LABEL, Enable - SGLE, <b>B</b> <i>(For components, refer to Section 6.5 Labels)</i>

# 1.9 Joystick



M234007AC

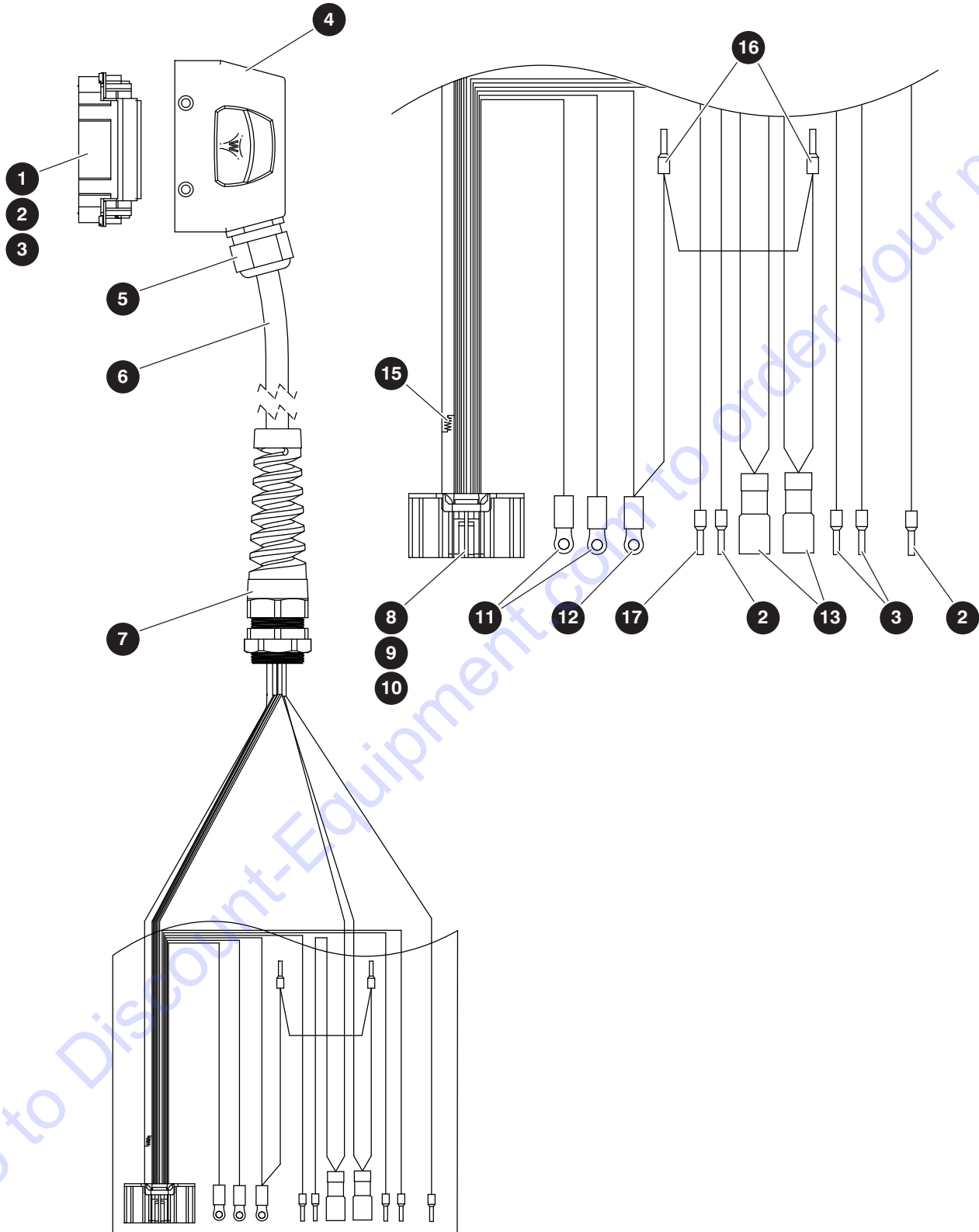
238885AAA

SJ20

## 1.9 Joystick

Index No.	Skyjack Part No.	Qty.	Description
-	234007	1	JOYSTICK
1	159057	1	• HANDLE, Front half
2	159062	1	• BOOT, Plunger switch
3	159061	1	• SWITCH, Plunger
4	159060	1	• HOLDER, Micro switch
5	159063	1	• WASHER
6	159064	1	• SPRING
7	159067	1	• SWITCH, Lever micro
8	122964	1	• NUT, Controller lever
9	159066	2	• SCREW, Plastite (#2-28 x 1/2")
10	159059	1	• LEVER, Trigger
11	159068	1	• INSULATOR, Micro
12	159065	2	• SCREW, Plastite (#4-20 x 5/16")
13	154718	1	• SCREW (#6-32 x 5/8")
14	159058	1	• HANDLE, Back half
15	122879	4	• SCREW, Controller handle
16	141341	1	• AXLE, Rocker
17	154717	1	• ROCKER
18	122961	1	• COUPLING (8mm)
19	122960	2	• SCREW, Set
20	122874	1	• CAP, Rubber
21	159613	1	• ROCKER MICRO
22	159070	2	• GASKET, 4"
23	127179	1	• BOOT
24	122847	2	• WASHER
25	147313	2	• SCREW
26	238887	1	• LARGE PCB HOLDER

# 1.10 Platform Control Cable



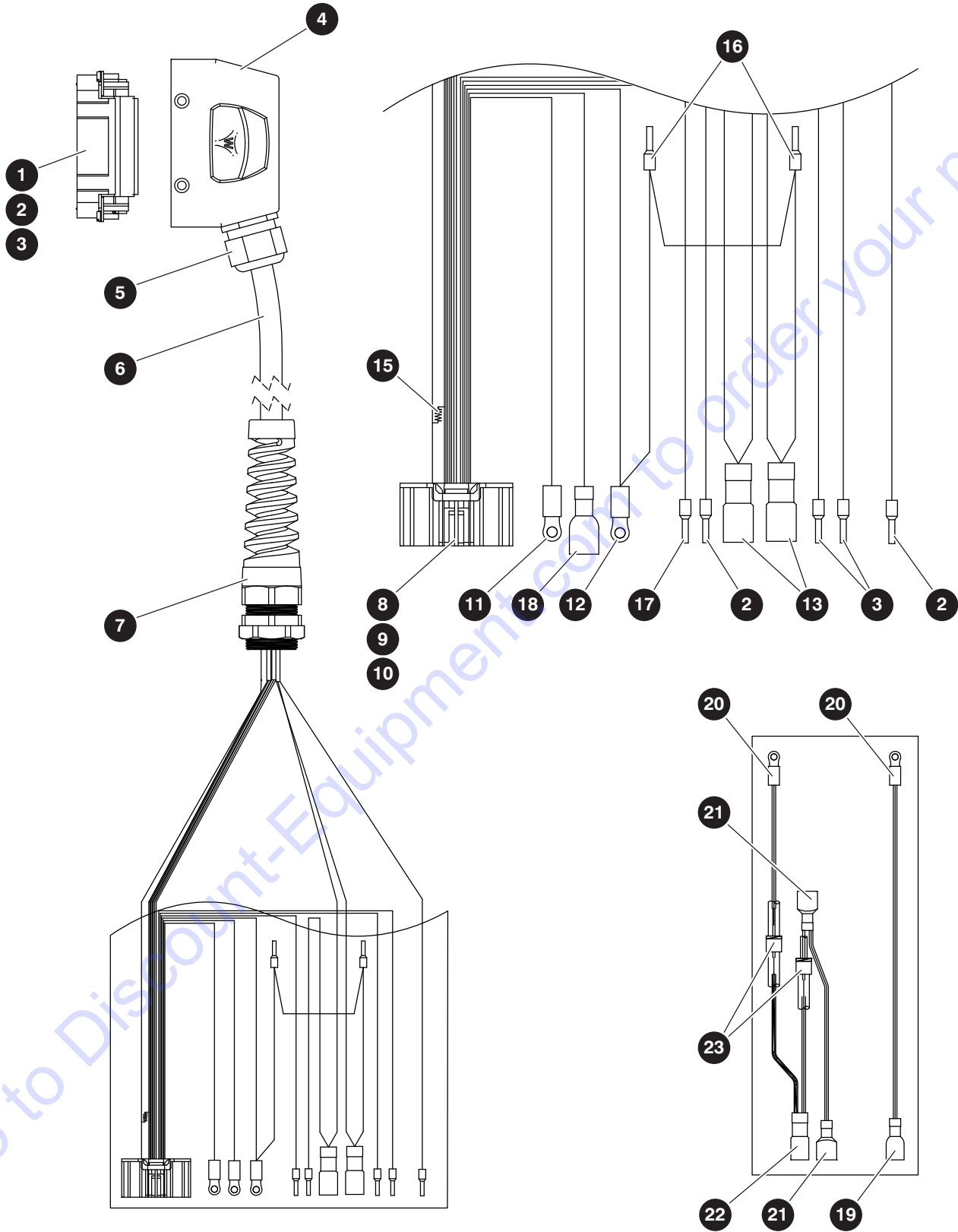
M234029AC

238885AAA

## 1.10 Platform Control Cable

Index No.	Skyjack Part No.	Qty.	Description
-	234029	1	PLATFORM CONTROL CABLE
1	192084	1	• PLUG, 16 Pole - Spring
2	121050	4	• CONNECTOR, Ferrule (16GA)
3	211449	15	• FERRULE (20GA)
4	234031	1	• HOUSING, Hood side entry - M25
5	234032	1	• STRAIN RELIEF (M25 x 1.5)
6	234121	103"	• CABLE, CANBUS - 11 Conductor
7	196141	1	• CORDGRIP, Flexible liquid tight
8	234024	1	• CONNECTOR, 32 pin socket - MX34
9	234025	2	• TERMINAL, Female - MX34 (20 AWG)
10	234026	11	• TERMINAL, Female - MX34 (18 AWG)
11	119749	2	• TERMINAL, #6 Ring - Red (22-18 AWG)
12	166889	1	• TERMINAL, #6 Ring (10-12 AWG)
13	105568	2	• TERMINAL, Female (10-12 AWG Nylon Yellow)
14	108878	4	• HEATSHRINK, Polyofin (5/16" DIA)
15	163021	1	• RESISTOR (120 Ohm 2 Watt Axial)
16	138044	2	• FERRULE, Blue (14 GA)
17	115401	1	• FERRULE, Red/Grey (14 GA)

# 1.11 Platform Control Cable - SGLE



M234029AC

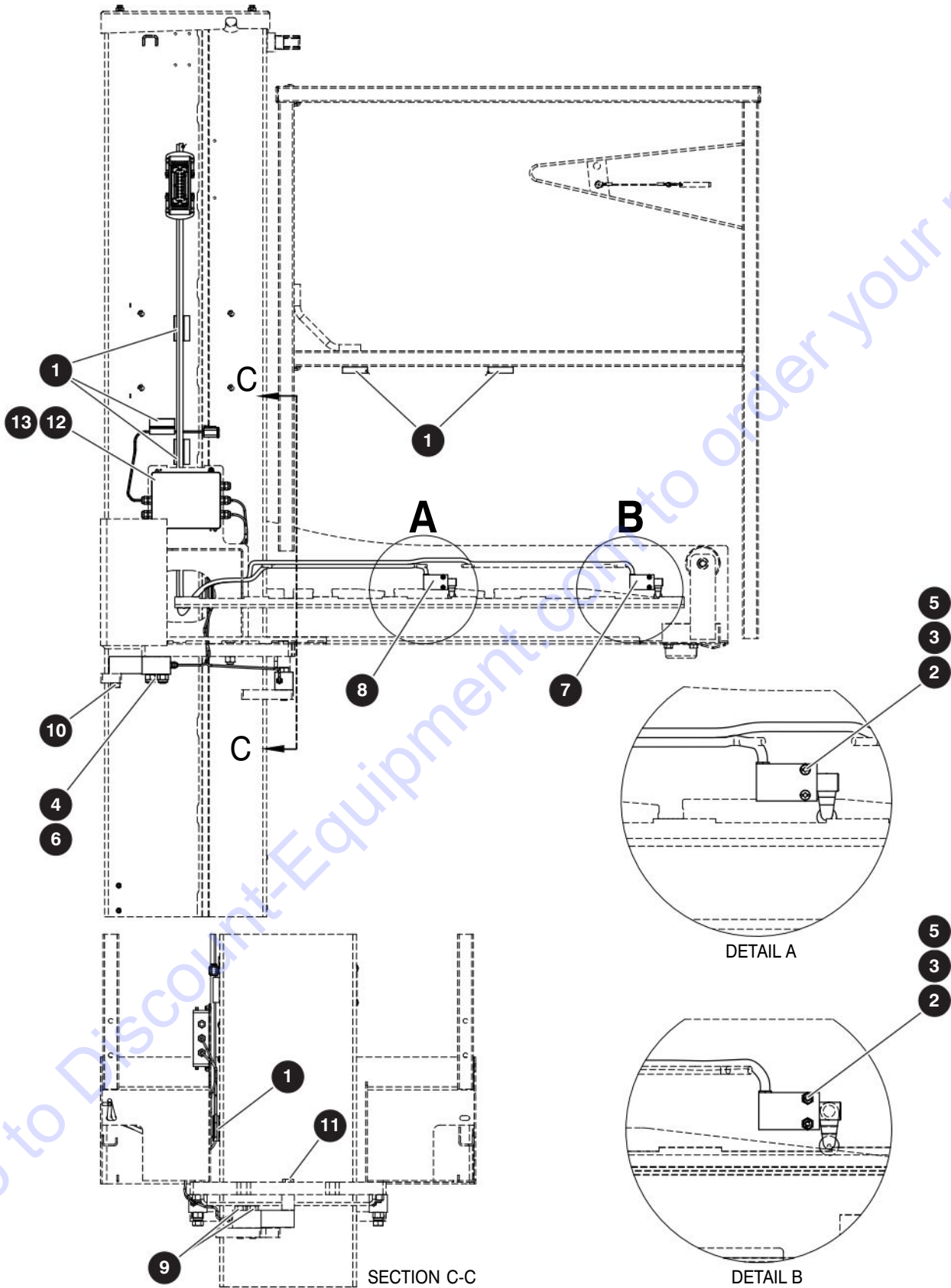
238885AAA

SJ20

## 1.11 Platform Control Cable - SGLE

Index No.	Skyjack Part No.	Qty.	Description
-	234135	1	PLATFORM CONTROL CABLE - SGLE
-	234136	1	<ul style="list-style-type: none"> <li>• PLATFORM CONTROL CABLE - SGLE</li> </ul>
1	192084	1	<ul style="list-style-type: none"> <li>• • PLUG,16 Pole - Spring</li> </ul>
2	121050	4	<ul style="list-style-type: none"> <li>• • CONNECTOR, Ferrule (16GA)</li> </ul>
3	211449	15	<ul style="list-style-type: none"> <li>• • FERRULE (20GA)</li> </ul>
4	234031	1	<ul style="list-style-type: none"> <li>• • HOUSING, Hood side entry - M25</li> </ul>
5	234032	1	<ul style="list-style-type: none"> <li>• • STRAIN RELIEF (M25 x 1.5)</li> </ul>
6	234121	103"	<ul style="list-style-type: none"> <li>• • CABLE, CANBUS - 11 Conductor</li> </ul>
7	196141	1	<ul style="list-style-type: none"> <li>• • CORDGRIP, Flexible liquid tight</li> </ul>
8	234024	1	<ul style="list-style-type: none"> <li>• • CONNECTOR, 32 pin socket - MX34</li> </ul>
9	234025	2	<ul style="list-style-type: none"> <li>• • TERMINAL, Female - MX34 (20 AWG)</li> </ul>
10	234026	11	<ul style="list-style-type: none"> <li>• • TERMINAL, Female - MX34 (18 AWG)</li> </ul>
11	119749	2	<ul style="list-style-type: none"> <li>• • TERMINAL, #6 Ring - Red (22-18 AWG)</li> </ul>
12	166889	1	<ul style="list-style-type: none"> <li>• • TERMINAL, #6 Ring (10-12 AWG)</li> </ul>
13	105568	2	<ul style="list-style-type: none"> <li>• • TERMINAL, Female (10-12 AWG Nylon Yellow)</li> </ul>
14	108878	4	<ul style="list-style-type: none"> <li>• • HEATSHRINK, Polyofin (5/16" DIA)</li> </ul>
15	163021	1	<ul style="list-style-type: none"> <li>• • RESISTOR (120 Ohm 2 Watt Axial)</li> </ul>
16	138044	2	<ul style="list-style-type: none"> <li>• • FERRULE, Blue (14 GA)</li> </ul>
17	115401	1	<ul style="list-style-type: none"> <li>• • FERRULE, Red/Grey (14 GA)</li> </ul>
18	114595	1	<ul style="list-style-type: none"> <li>• • TERMINAL, Female - Red (18-22 AWG)</li> </ul>
-	220969	1	<ul style="list-style-type: none"> <li>• SGLE WIRE KIT</li> </ul>
19	105359	1	<ul style="list-style-type: none"> <li>• • TERMINAL, Blue - Female (14-16 GA Insulated)</li> </ul>
20	102955	2	<ul style="list-style-type: none"> <li>• • TERMINAL, #6 Ring - Blue (14-16 GA)</li> </ul>
21	105360	2	<ul style="list-style-type: none"> <li>• • TERMINAL, Male (14-16 GA x 1/4 Full Insulated)</li> </ul>
22	105568	1	<ul style="list-style-type: none"> <li>• • TERMINAL, Female (10-12 AWG Nylon Yellow)</li> </ul>
23	102921	2	<ul style="list-style-type: none"> <li>• • DIODE</li> </ul>

# 1.12 Platform Electrical Group



M234101AC

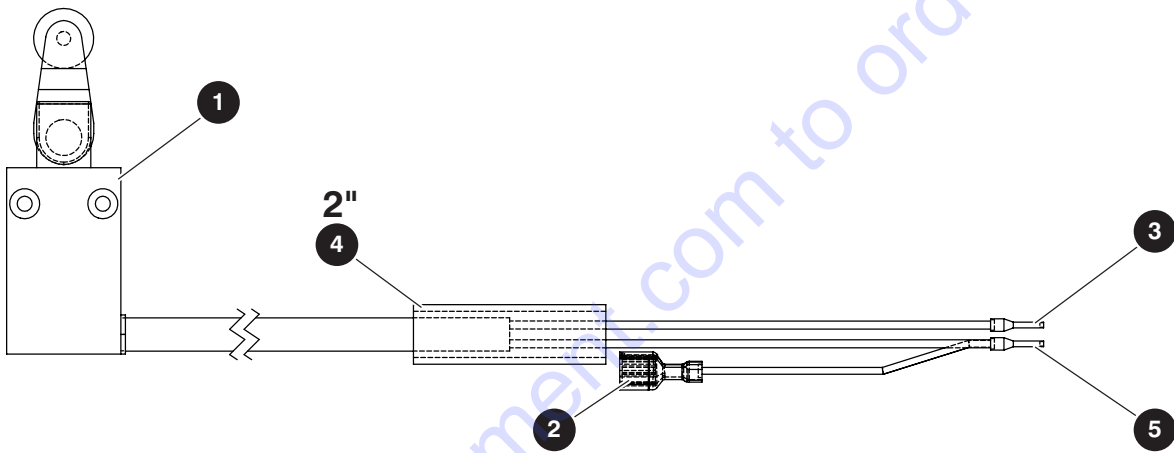
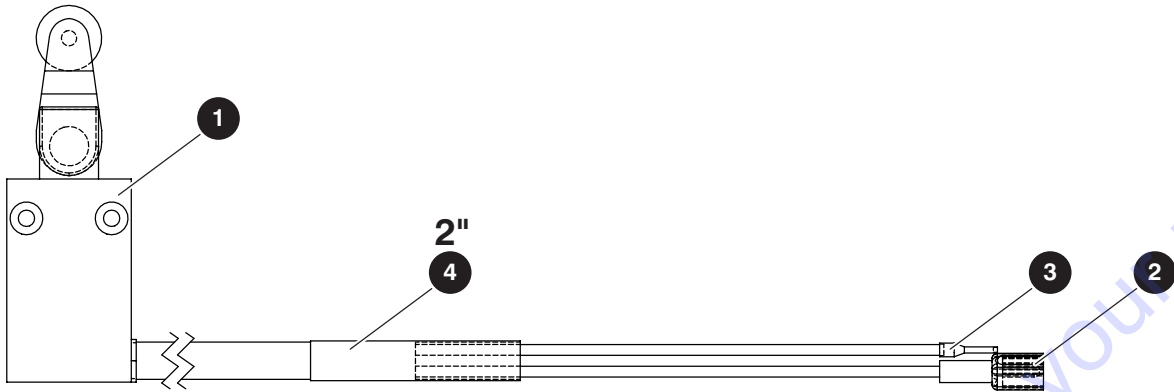
238885AAA



## 1.12 Platform Electrical Group

Index No.	Skyjack Part No.	Qty.	Description
-	234101	1	PLATFORM ELECTRICAL GROUP
1	108791	6	• CLIP, Cord Adhesive Back
2	112248	4	• SCREW, Round Head Machine (#8-32 x 1")
3	103986	4	• NUT, Hex (#8-32)
4	234639	4	• BOLT, Hex Head (1/2"-13 x 3-1/4" Gr. 8)
5	103991	8	• WASHER, Flat (#8)
6	702507	4	• NUT, Nylon Lock (1/2"-13 Gr. C)
7	(Ref.)	1	• LIMIT SWITCH ASM, Service Position <i>(For components, refer to Section 1.13 Platform)</i>
8	(Ref.)	1	• LIMIT SWITCH ASM, Deck Extended <i>(For components, refer to Section 1.13 Platform)</i>
9	106447	2	• BOLT, Hex Head (1/2"-13 x 2-1/4" Gr. 8)
10	139007	2	• BOLT, Hex Head (1/2"-13 x 2" Gr. 8)
11	234644	1	• BOLT, Hex Head (1/2"-13 x 3-1/2" Gr. 8)
12	234253	1	• SENSOR GP ASM, VM Loadcell
13	204325	4	• BOLT, Round Head Machine (#8-32 x 3/8")

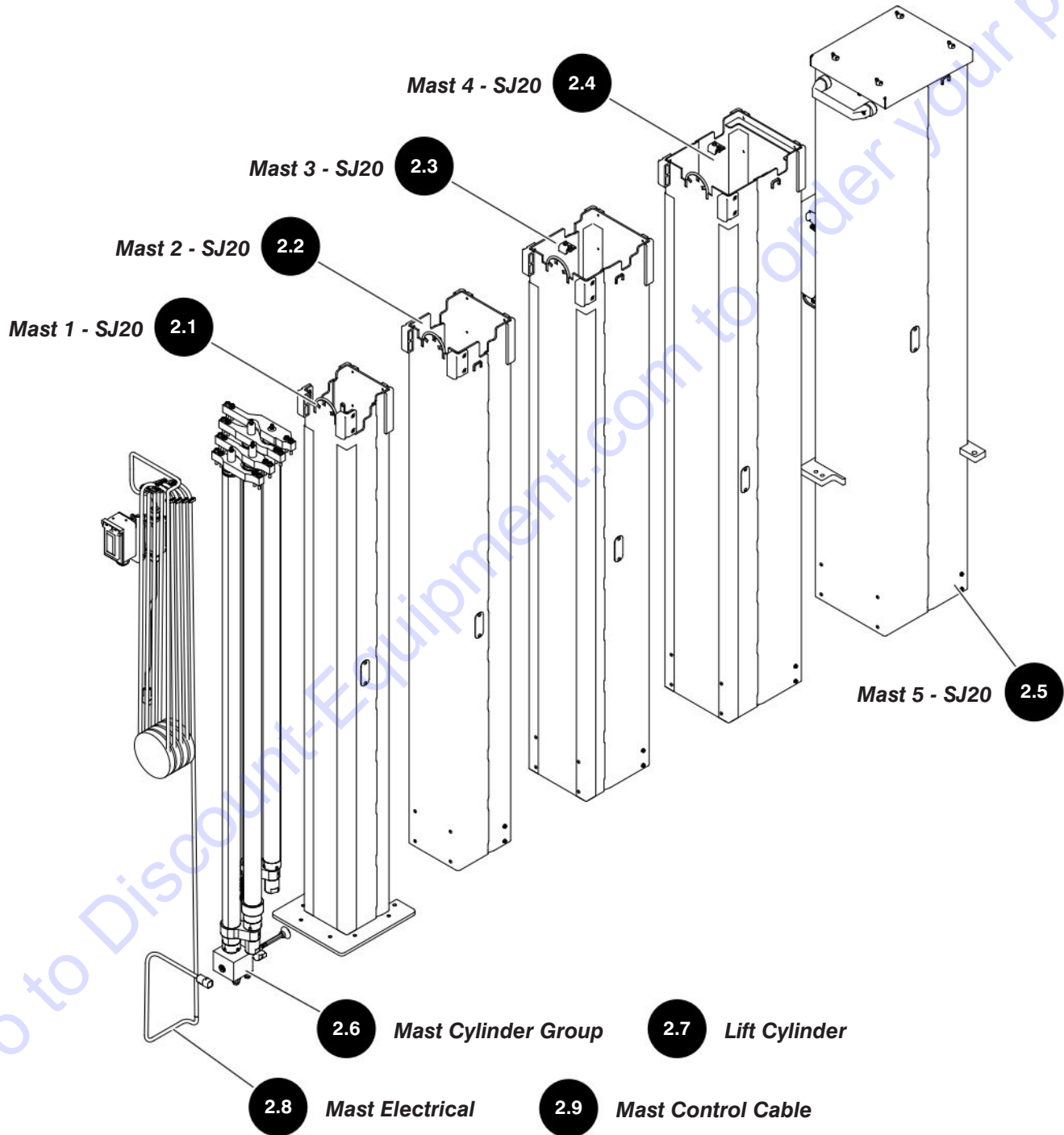
# 1.13 Platform Limit Switches



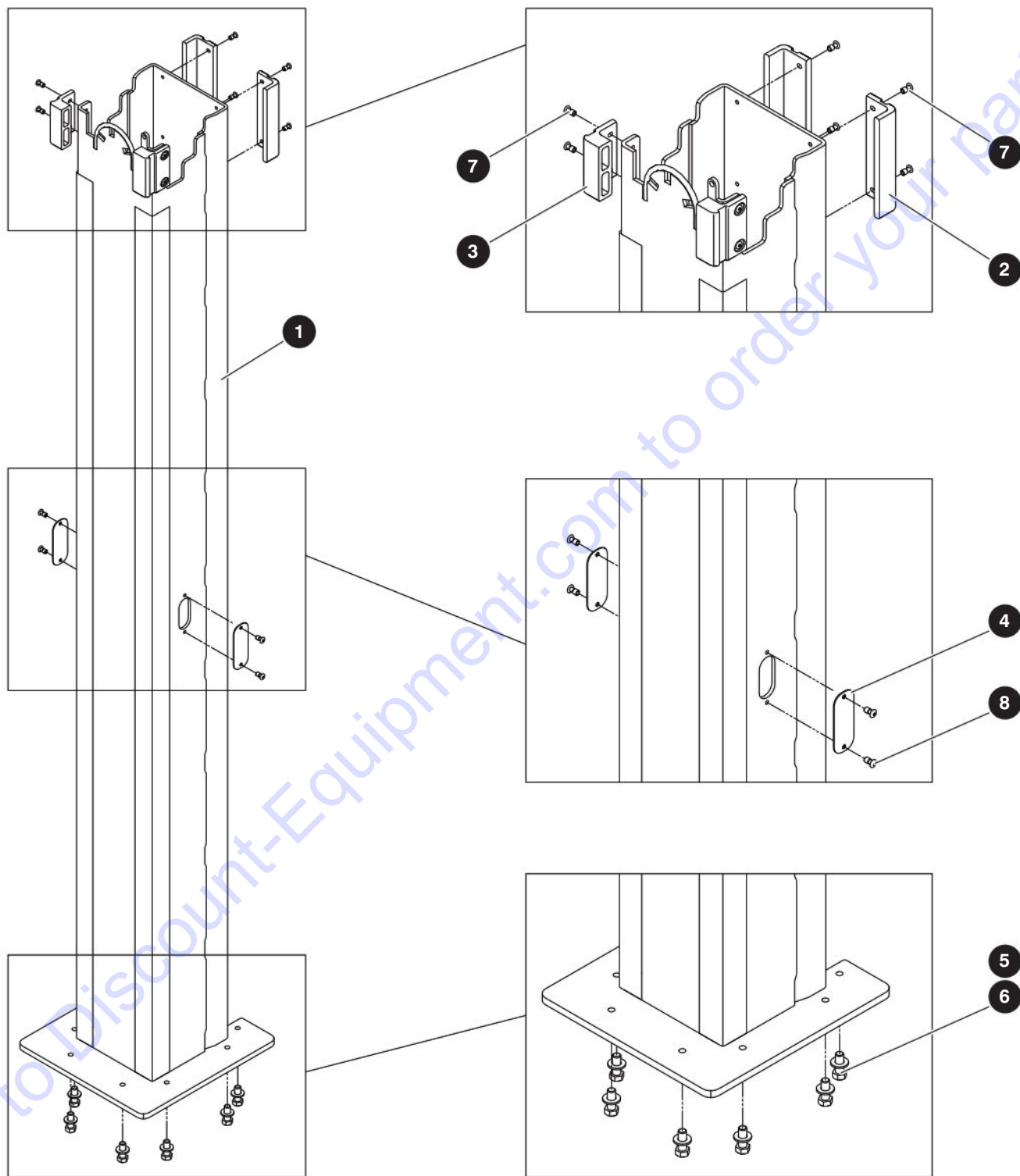
M234218AB, M234219AB

Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	234218	1	SERVICE POSITION LIMIT SWITCH
<b>B</b>	234219	1	DECK EXTENDED LIMIT SWITCH
1	199405	2	<ul style="list-style-type: none"> <li>LIMIT SWITCH, Level - 2M</li> </ul>
2	114594	2	<ul style="list-style-type: none"> <li>TERMINAL, Male (18-22 AWG)</li> </ul>
3	115401	2	<ul style="list-style-type: none"> <li>FERRULE, Red/Grey (18 GA)</li> </ul>
4	108878	4"	<ul style="list-style-type: none"> <li>HEATSHRINK, Polyofin (5/16" Dia)</li> </ul>
5	139462	1	<ul style="list-style-type: none"> <li>FERRULE, Twin wire (16 GA), <b>B</b></li> </ul>

# Section 2 – Mast



## 2.1 Mast 1 - SJ20



M234092AB

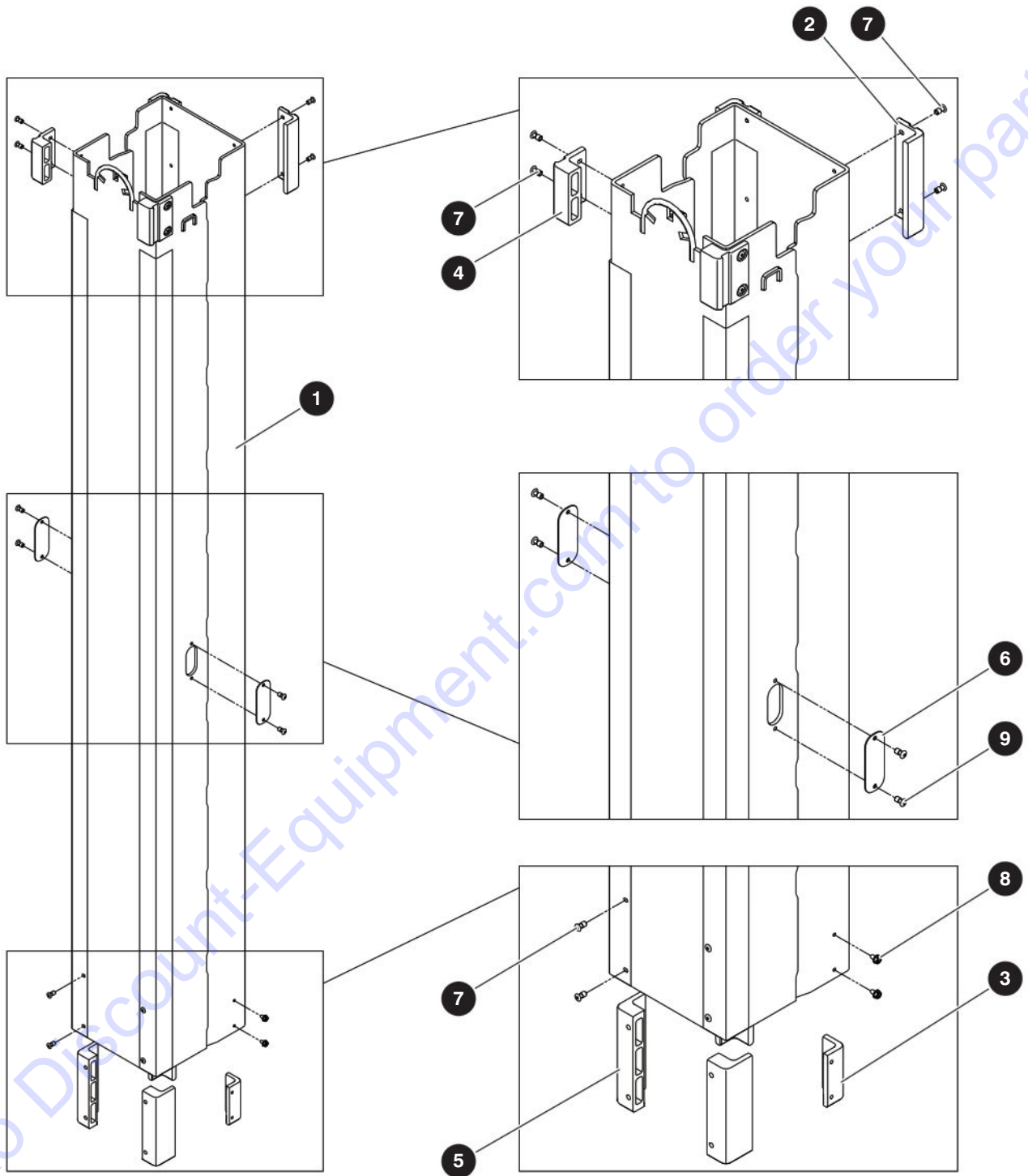
238885AAA

SJ20

## 2.1 Mast 1 - SJ20

Index No.	Skyjack Part No.	Qty.	Description
-	234092	1	MAST 1
1	234022	1	• MAST 1
2	234168	2	• WEAR PAD, Thin & long
3	234170	2	• WEAR PAD, Thick & short
4	226204	2	• PLATE, E-Coat cover
5	207298	8	• BOLT, Hex Head (3/8"-16 x 1" Gr. 8)
6	125959	8	• WASHER, Flat (3/8" hard)
7	116161	8	• POP RIVET, SS SM FLG DM HD O-END (3/16" X 0.565")
8	157756	4	• POP RIVET, STL SM FLG DM HD O-END (3/16" X 0.438")

## 2.2 Mast 2 - SJ20



M234093AB

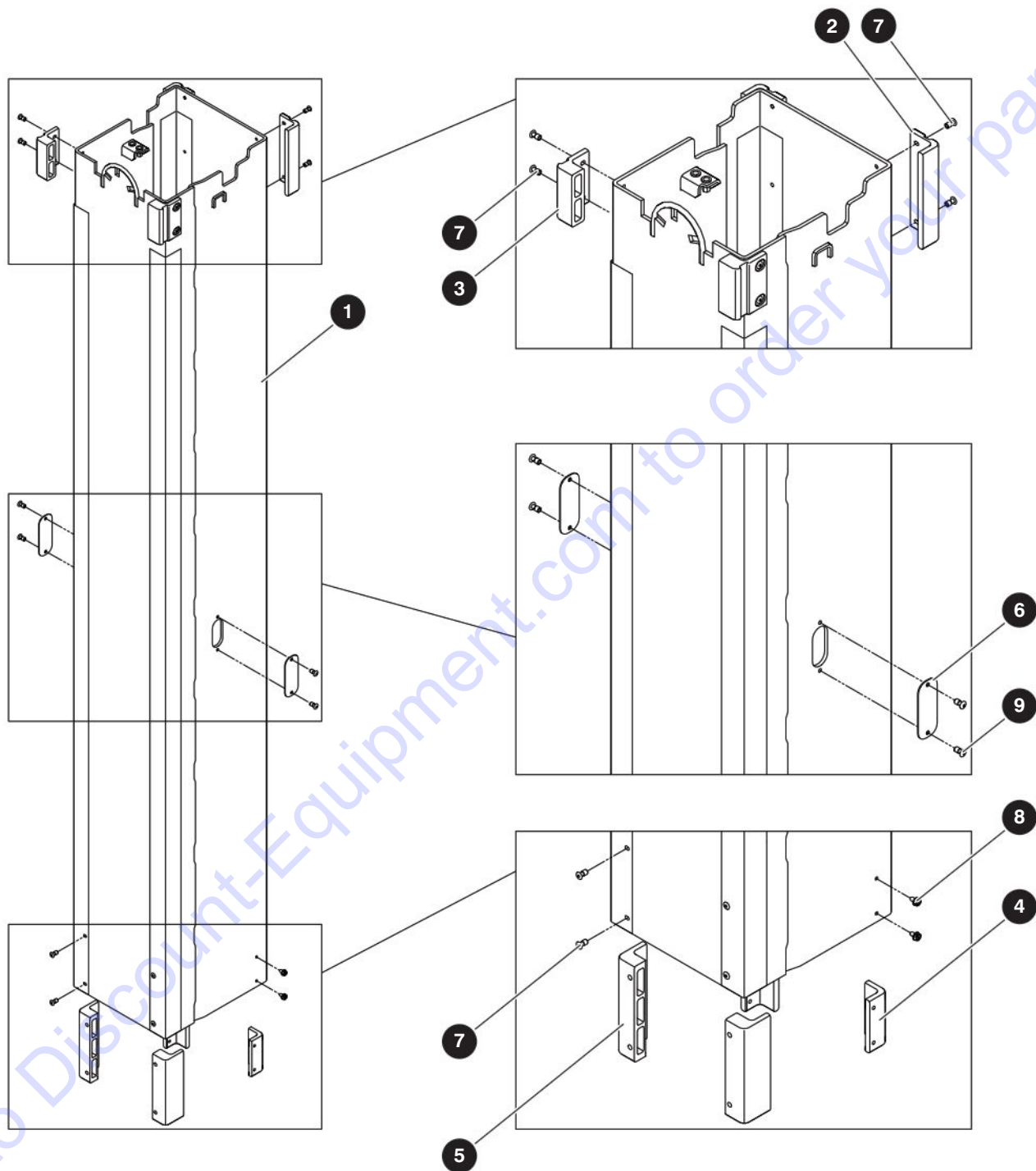
238885AAA

SJ20

## 2.2 Mast 2 - SJ20

Index No.	Skyjack Part No.	Qty.	Description
-	234093	1	MAST 2
1	234019	1	• MAST 2
2	234168	2	• WEAR PAD, Thin & long
3	234169	2	• WEAR PAD, Thin & short
4	234170	2	• WEAR PAD, Thick & short
5	234171	2	• WEAR PAD, Thick & long
6	226204	2	• PLATE, E-Coat cover
7	116161	12	• POP RIVET, SS SM FLG DM HD O-END (3/16" X 0.565")
8	158317	4	• SCREW, Thread rolling (#10-32 x 3/8")
9	157756	4	• POP RIVET, STL SM FLG DM HD O-END (3/16" X 0.438")

## 2.3 Mast 3 - SJ20



M234094AB

238885AAA

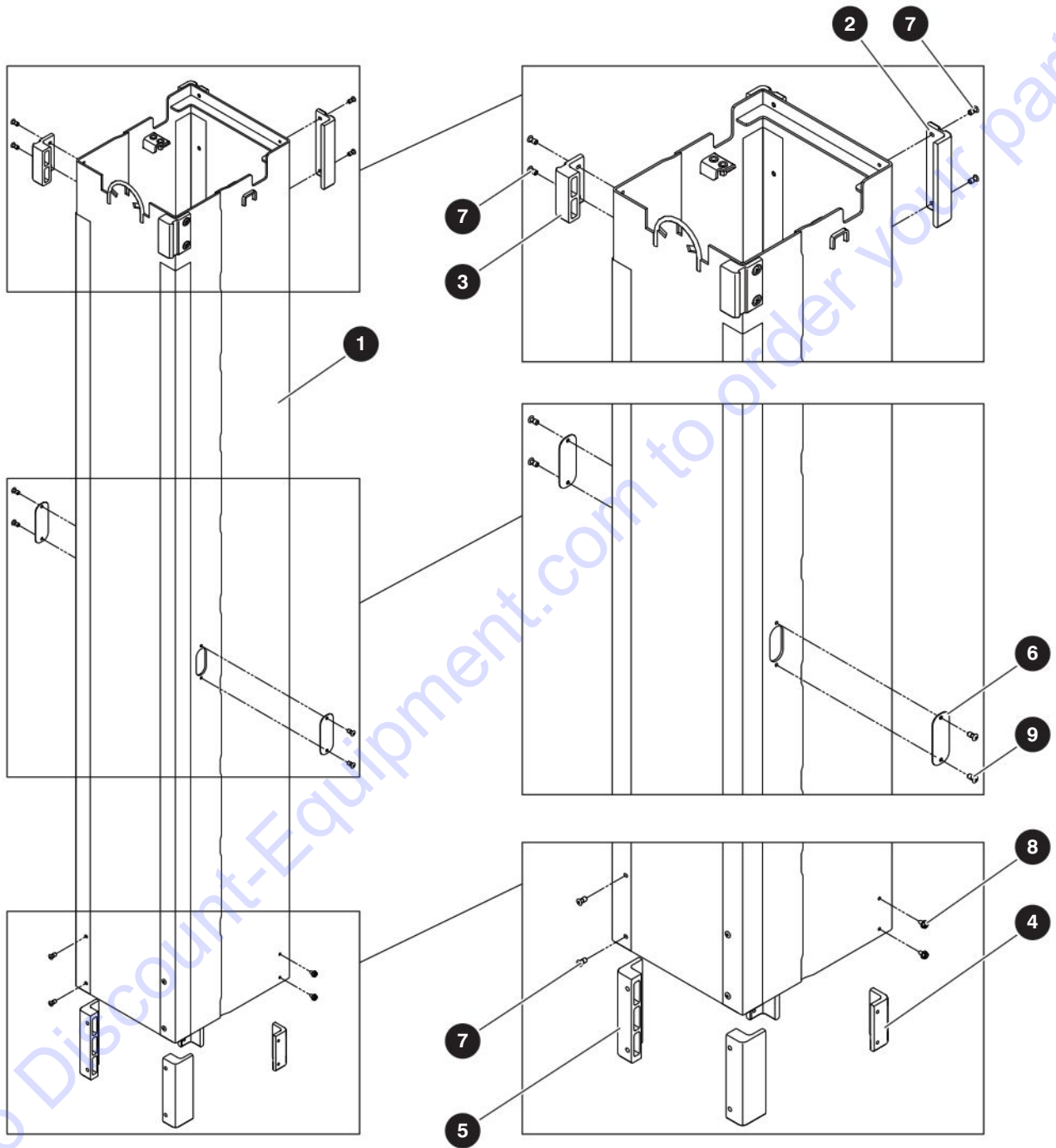
SJ20



## 2.3 Mast 3 - SJ20

Index No.	Skyjack Part No.	Qty.	Description
-	234094	1	MAST 3
1	234016	1	• MAST 3
2	234168	2	• WEAR PAD, Thin & long
3	234169	2	• WEAR PAD, Thin & short
4	234170	2	• WEAR PAD, Thick & short
5	234171	2	• WEAR PAD, Thick & long
6	226204	2	• PLATE, E-Coat cover
7	116161	12	• POP RIVET, SS SM FLG DM HD O-END (3/16" X 0.565")
8	158317	4	• SCREW, Thread rolling (#10-32 x 3/8")
9	157756	4	• POP RIVET, STL SM FLG DM HD O-END (3/16" X 0.438")

## 2.4 Mast 4 - SJ20



M234095AB

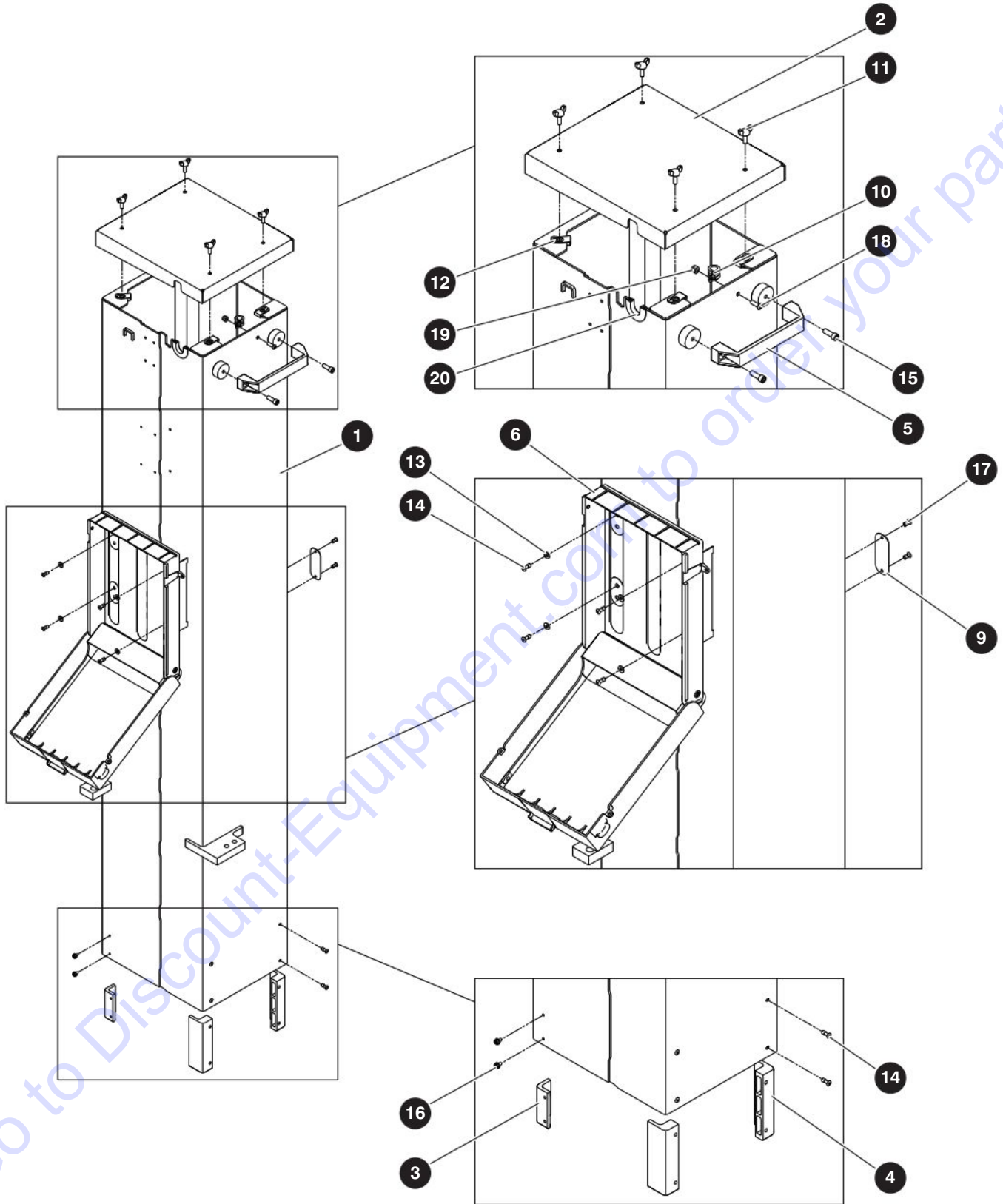
238885AAA

SJ20

## 2.4 Mast 4 - SJ20

Index No.	Skyjack Part No.	Qty.	Description
-	234095	1	MAST 4
1	234013	1	• MAST 4
2	234168	2	• WEAR PAD, Thin & long
3	234169	2	• WEAR PAD, Thin & short
4	234170	2	• WEAR PAD, Thick & short
5	234171	2	• WEAR PAD, Thick & long
6	226204	2	• PLATE, E-Coat cover
7	116161	12	• POP RIVET, SS SM FLG DM HD O-END (3/16" X 0.565")
8	158317	4	• SCREW, Thread rolling (#10-32 x 3/8")
9	157756	4	• POP RIVET, STL SM FLG DM HD O-END (3/16" X 0.438")

## 2.5 Mast 5 - SJ20



M234096AB

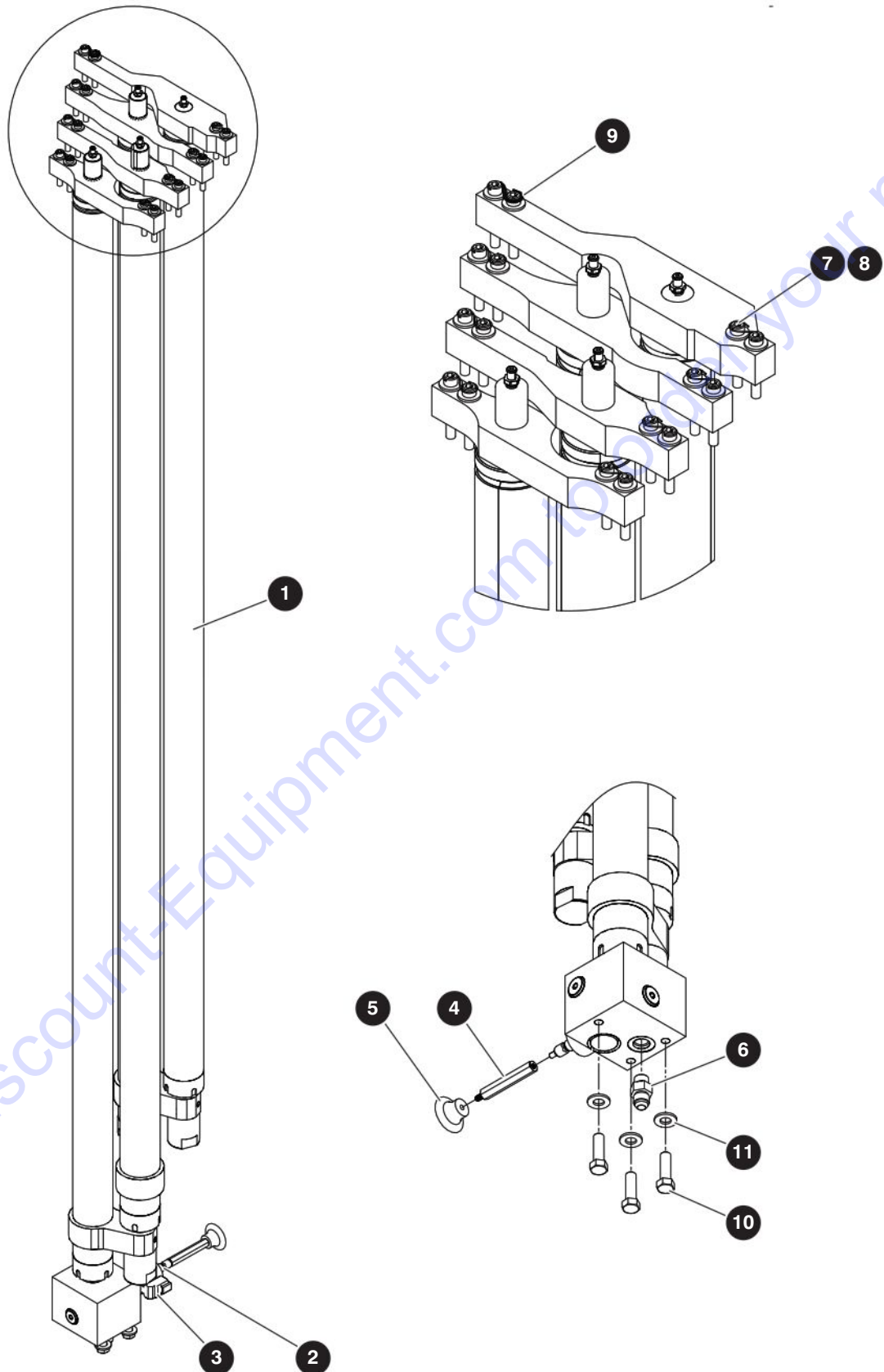
238885AAA

SJ20

## 2.5 Mast 5 - SJ20

Index No.	Skyjack Part No.	Qty.	Description
-	234096	1	MAST 5
1	234010	1	• MAST 5
2	234075	1	• COVER, Mast
3	234169	2	• WEAR PAD, Thin & short
4	234171	2	• WEAR PAD, Thick & long
5	928533	1	• HANDLE, Platic pull
6	198789	1	• BOX, Manual
7	207981	1	• BAG, Resealable - 12" x 9" x 0.002" (Not Shown)
8	114710	1	• RING, Key - Skyjack
9	226204	2	• PLATE, E-Coat cover
10	102929	1	• CLIP, Single - G10
11	192632	4	• SCREW, Wing (1/4"-20 x 3/4")
12	149496	4	• NUT, Speed clip (1/4"-20 x 1/2" OL)
13	104694	4	• WASHER, Flat - #10
14	157759	8	• POP RIVET (3/16" X 0.565" STL SM FLG DM HD O-END)
15	157822	2	• SCREW, Socket Head Cap (5/16"-18 x 7/8")
16	158317	4	• SCREW, Thread rolling (#10-32 x 3/8")
17	157756	4	• POP RIVET, STL SM FLG DM HD O-END (3/16" X 0.438")
18	139168	1	• BOLT, Button head cap screw (1/4"-20 Gr. 5 Nylon)
19	115649	1	• NUT, Nylon Lock (1/4"-20 Gr. 5)
20	117398	2.5"	• PROTECTIVE TRIM (3/16"-1/4")

## 2.6 Mast Cylinder Group



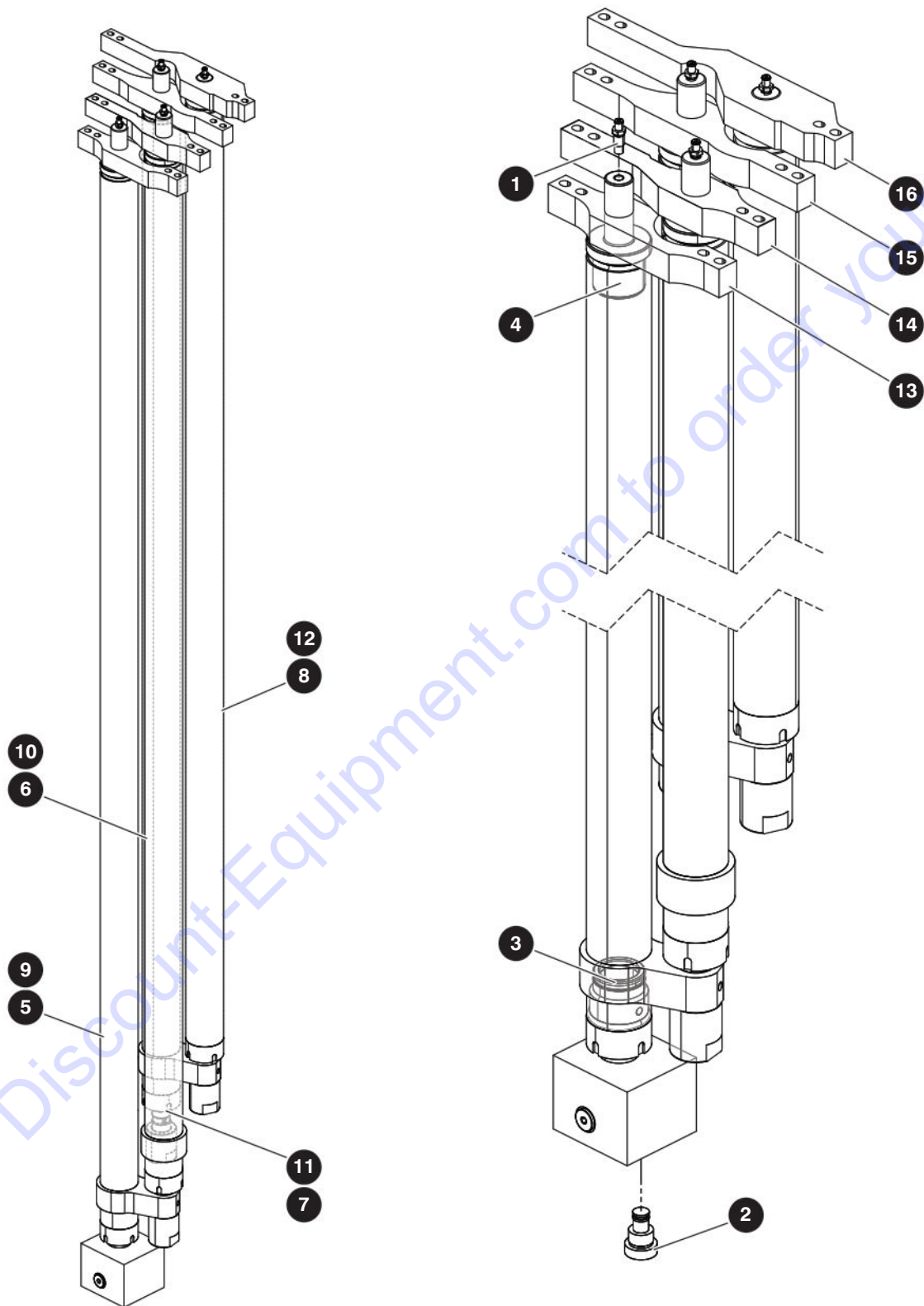
M234097AC

238885AAA

## 2.6 Mast Cylinder Group

Index No.	Skyjack Part No.	Qty.	Description
-	234097	1	MAST CYLINDER
1	(Ref.)	1	<ul style="list-style-type: none"> <li>• CYLINDER, Multistage with cushion <i>(For components, refer to Section 2.7 Lift)</i></li> </ul>
2	151696	1	<ul style="list-style-type: none"> <li>• VALVE, Emergency lowering</li> </ul>
3	151683	1	<ul style="list-style-type: none"> <li>• COIL, 24 V DT with diode</li> </ul>
4	234261	1	<ul style="list-style-type: none"> <li>• HEX STANDOFF (3/8" X 2-1/2" LG - M/F)</li> </ul>
5	300322	1	<ul style="list-style-type: none"> <li>• PULL KNOB, Hydraforce</li> </ul>
6	103069	1	<ul style="list-style-type: none"> <li>• FITTING, Straight (06 JICM - 06 ORBM)</li> </ul>
7	234596	16	<ul style="list-style-type: none"> <li>• BOLT, Socket (1/4"-20 x 1-3/4" Gr. 5 Wire lock)</li> </ul>
8	103995	16	<ul style="list-style-type: none"> <li>• WASHER, Flat (1/4")</li> </ul>
9	234597	40"	<ul style="list-style-type: none"> <li>• WIRE, Round 304 SS (0.025" Dia)</li> </ul>
10	101297	3	<ul style="list-style-type: none"> <li>• BOLT, Hex Head Zinc (3/8"-16 x 1-1/4" Gr. 5)</li> </ul>
11	125959	3	<ul style="list-style-type: none"> <li>• WASHER, Flat (3/8" hard)</li> </ul>

## 2.7 Lift Cylinder



M234130AB

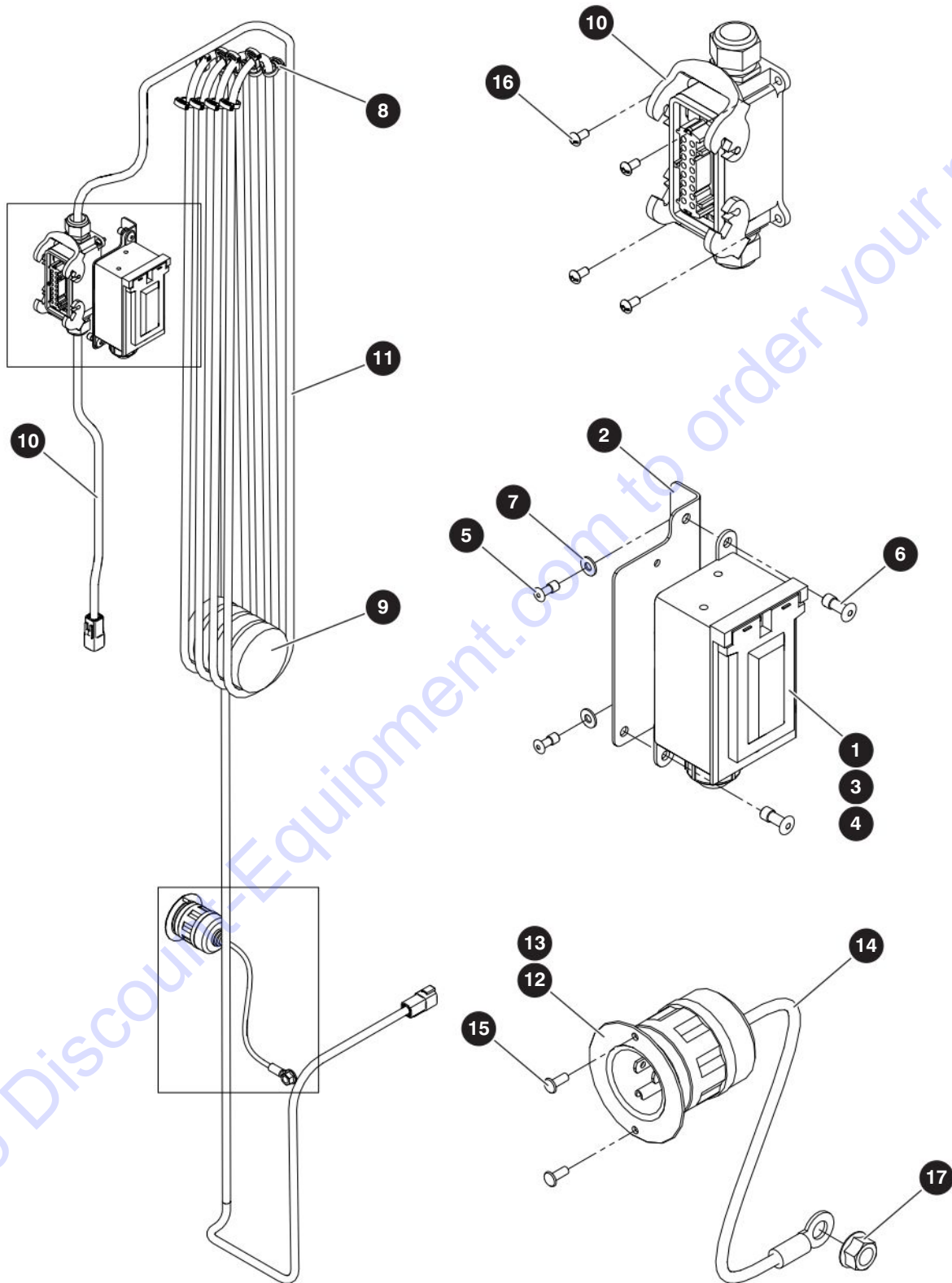
238885AAA



## 2.7 Lift Cylinder

Index No.	Skyjack Part No.	Qty.	Description
-	234130	1	LIFT CYLINDER
1	234653	4	• BLEEDER SCREW, Lift cylinder
2	234654	1	• CHECK VALVE, Lift cylinder
3	234655	4	• GLAND, Lift cylinder
4	234656	4	• PISTON, Lift cylinder
5	234663	1	• HOLLOW ROD 1, Lift cylinder
6	234659	1	• HOLLOW ROD 2, Lift cylinder
7	234658	1	• HOLLOW ROD 3, Lift cylinder
8	234657	1	• HOLLOW ROD 4, Lift cylinder
9	234667	1	• TUBE ASSY 1, Lift cylinder
10	234666	1	• TUBE ASSY 2, Lift cylinder
11	234665	1	• TUBE ASSY 3, Lift cylinder
12	234664	1	• TUBE ASSY 4, Lift cylinder
13	234070	1	• PLATE, Cylinder mount mast 2
14	234071	1	• PLATE, Cylinder mount mast 3
15	234072	1	• PLATE, Cylinder mount mast 4
16	234073	1	• PLATE, Cylinder mount mast 5
K1	234652	1	SEAL KIT, Lift Cylinder - SJ20

## 2.8 Mast Electrical



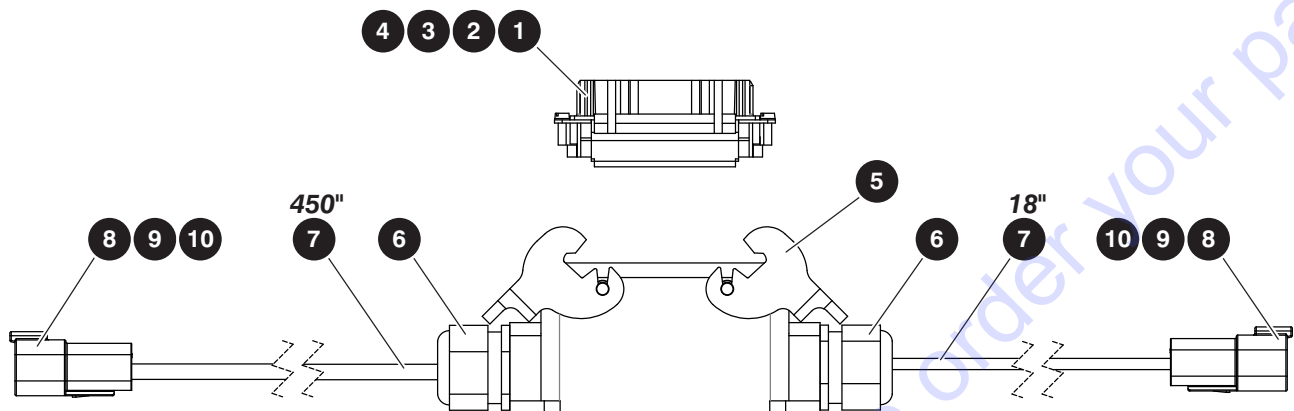
M234100AC

238835AAA

## 2.8 Mast Electrical

Index No.	Skyjack Part No.	Qty.	Description
-	234100	1	MAST ELECTRICAL GROUP
1	211238	1	• OUTLET BOX, 110V modification
2	158620	1	• BRACKET, Mast AC
3	166943	1	• COVER, GFI weatherproof
4	109698	1	• RECEPTABLE, GFCI
5	157759	2	• POP RIVET (3/16" X 0.565" STL SM FLG DM HD O-END)
6	134140	2	• POP RIVET (1/4" x 0.740" AL SM FLG DM HD O-END)
7	104694	2	• WASHER, Flat - #10
8	238626	12	• CLAMP, Hose - snapper 12
9	234128	4	• ROLLER, Weight
-	234252	1	• CABLE, Mast - SJ20
10	(Ref.)	1	• • MAST CONTROL CABLE <i>(For components, refer to Section 2.9 Mast)</i>
11	234251	1	• • CABTIRE, 14/3
12	105271	1	• PLUG, Male - Recessed (15 A, 125 V)
13	113227	1	• SEAL, Tite -110V Cover
14	156845	1	• WIRE ASM, Ground
15	162754	2	• RIVET (5/32"-5/16" Dia AL-AL)
16	115545	4	• SCREW, Round head machine (#10-32 x 3/8")
17	112601	1	• NUT, Hex flange lock (3/8"-16)

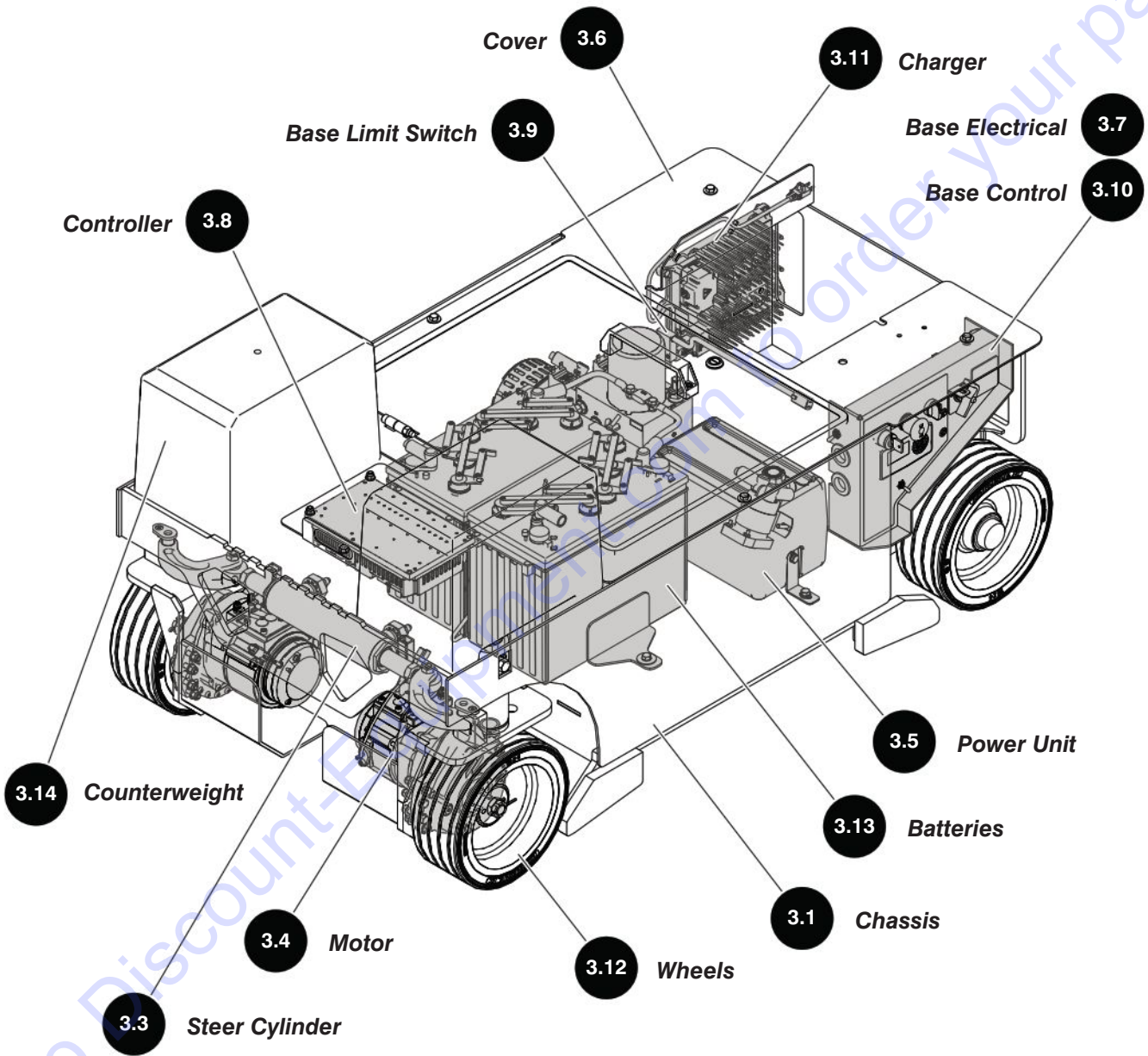
## 2.9 Mast Control Cable



M234109AC

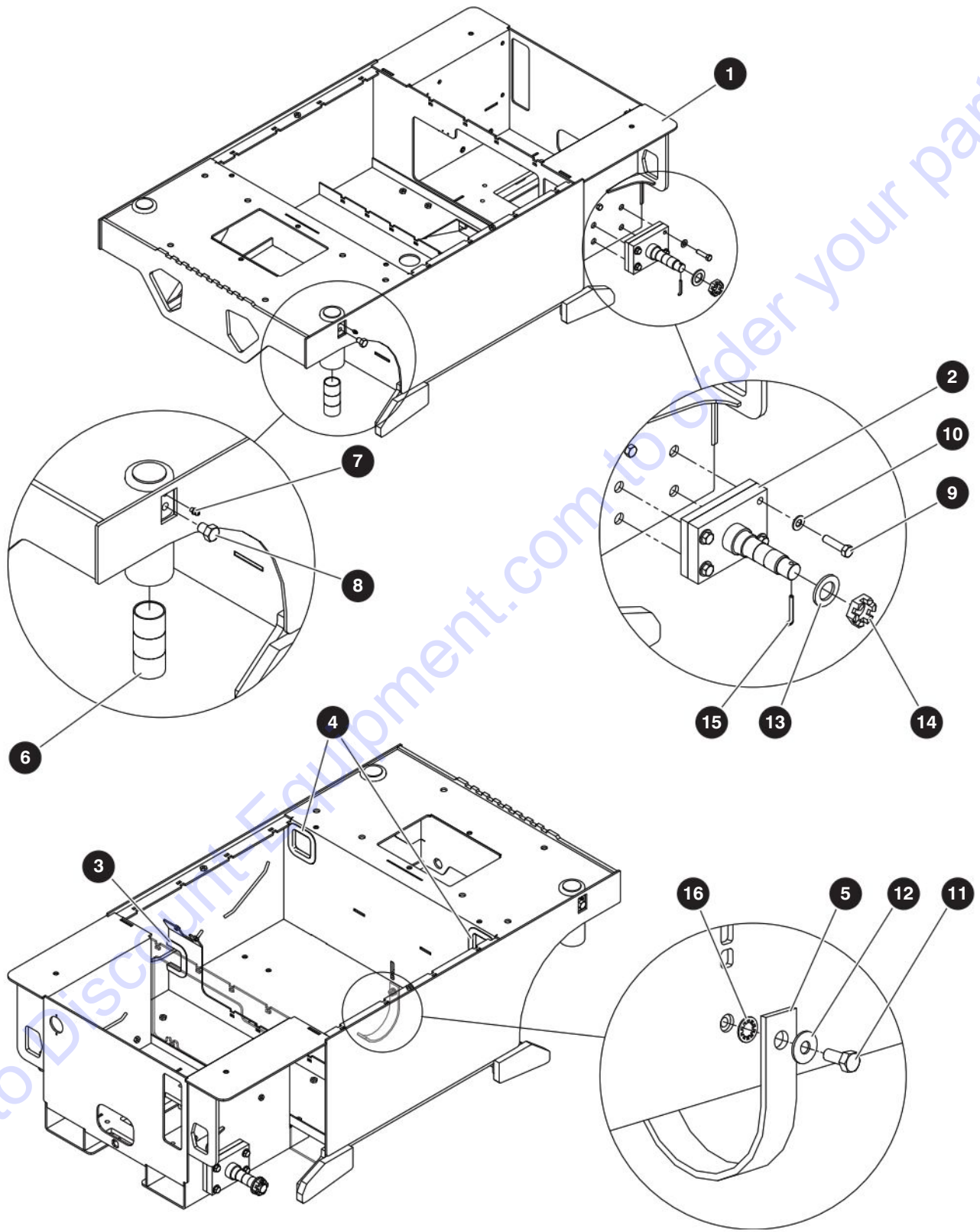
Index No.	Skyjack Part No.	Qty.	Description
-	234109	1	MAST CONTROL CABLE
1	192083	1	• SOCKET, Spring - 16 pole
2	115401	6	• FERRULE, Red/Grey (14 GA)
3	121050	4	• CONNECTOR, Ferrule (16GA)
4	211449	4	• FERRULE (20GA)
5	234030	1	• HOUSING, CLSD double entry double lock (M25)
6	234032	2	• STRAIN RELIEF (M25 x 1.5)
7	234023	488"	• CABLE, Canbus - 6 condutor
8	204108	2	• CONNECTOR, Receptacle - 6 pin
9	204107	2	• CONNECTOR, Receptacle wedge - 6 pin
10	117590	12	• CONNECTOR, Contact pin - 16-18

# Section 3 – Base



- |     |                       |      |                       |      |                               |
|-----|-----------------------|------|-----------------------|------|-------------------------------|
| 3.2 | Drive and Steer Group | 3.15 | Main Harness - ZAPI A | 3.17 | Base Control Harness - ZAPI A |
|     |                       | 3.16 | Main Harness - ZAPI B | 3.2  | Base Control Harness - ZAPI B |

### 3.1 Chassis



M234501AB

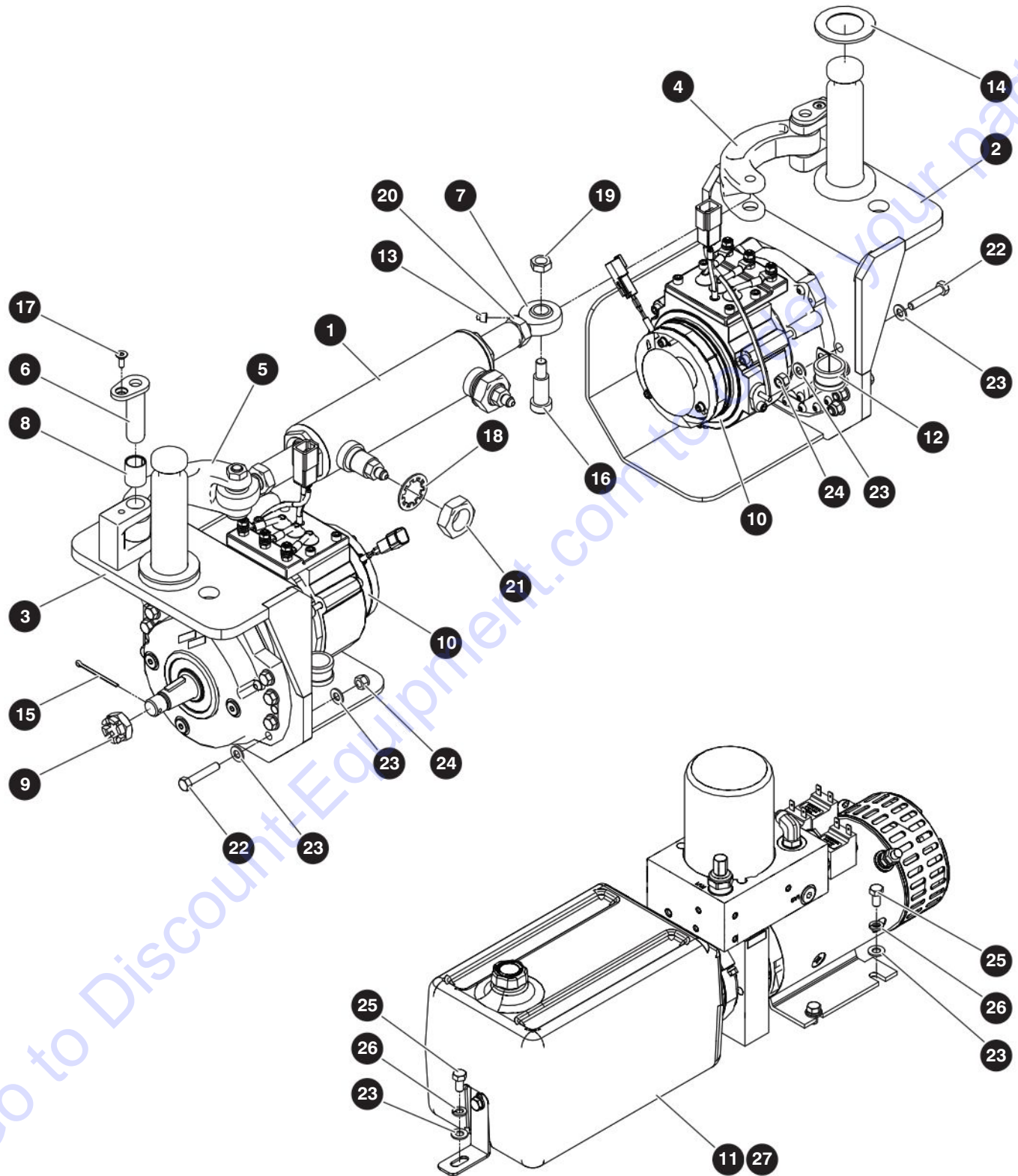
238885AAA

SJ20

### 3.1 Chassis

Index No.	Skyjack Part No.	Qty.	Description
-	234501	1	CHASSIS
1	234502	1	• CHASSIS, SJ20
2	195045	2	• REAR AXLE
3	110007	6	• CHANNEL, Black edge
4	110007	18	• CHANNEL, Black edge
5	115420	1	• STATIC STRAP, Truck and bus
6	118341	6	• BUSHING, Fiberglide (1-1/2" DIA x 1-1/4")
7	103513	2	• GREASE NIPPLE, Straight (1/4"-28)
8	234603	2	• BOLT, Hex head zinc (1/2"-13 x 5/8" Gr. 5)
9	103870	8	• BOLT, Hex head (3/8"-16 x 1-1/2" Gr. 5)
10	103472	8	• WASHER, Flat - 3/8"
11	103887	1	• BOLT, Hex head (5/16"-18 x 3/4" Gr. 5)
12	166164	1	• WASHER, Flat (5/16" USS)
13	221083	2	• WASHER, Hard (1.074" ID x 1.762 OD X 1-1/2")
14	102749	2	• NUT, Castle (1"-14 TPI x 0.56")
15	103085	2	• COTTER PIN (3/16" DIA x 1-1/2")
16	155979	1	• WASHER, Internal lock tooth (3/8")

## 3.2 Drive and Steer Group



M234535AD

238885AAA

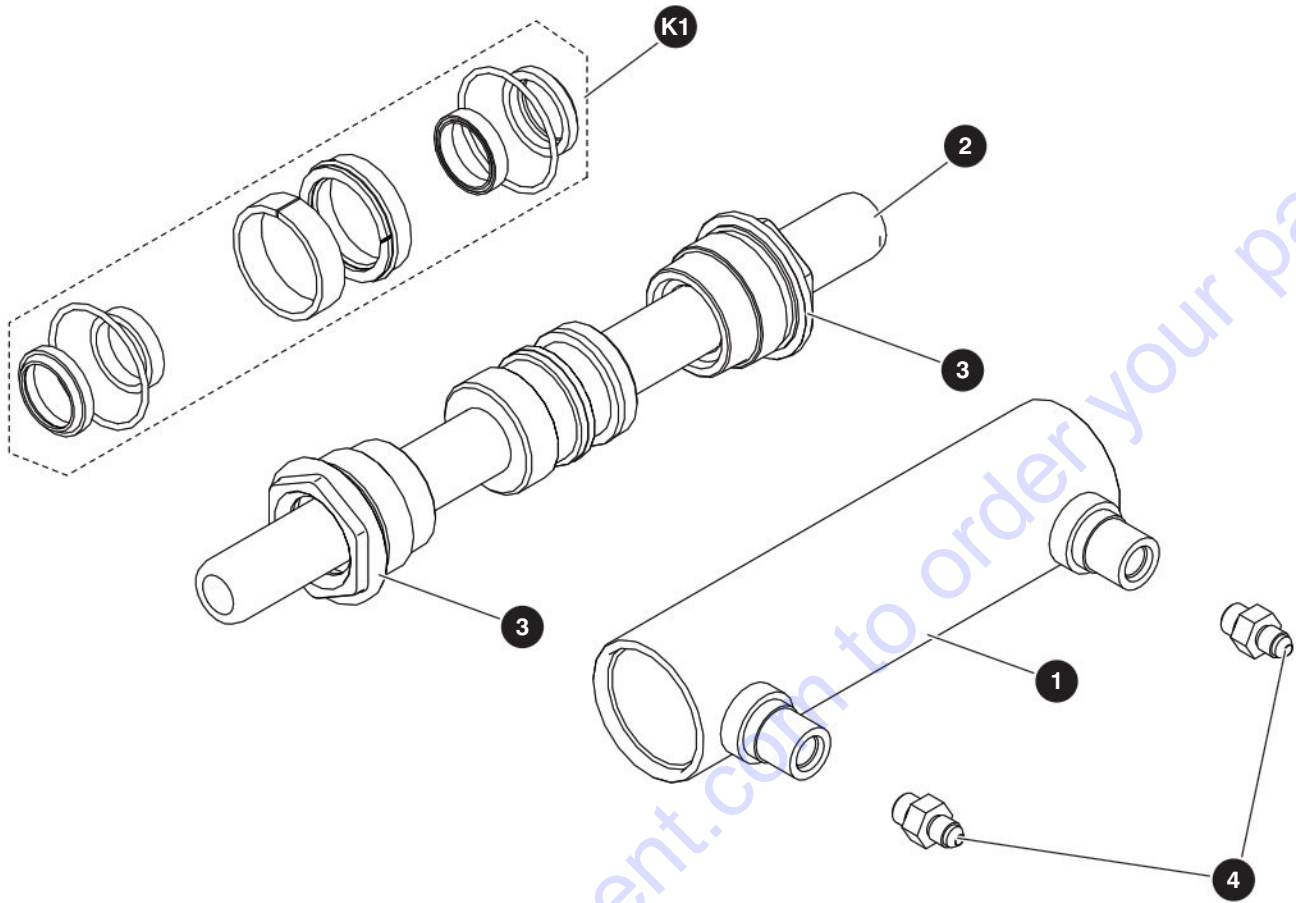
SJ20



## 3.2 Drive and Steer Group

Index No.	Skyjack Part No.	Qty.	Description
-	234535	1	DRIVE AND STEER GROUP
1	(Ref.)	1	<ul style="list-style-type: none"> <li>STEER CYLINDER, SJ20</li> </ul> <i>(For components, refer to Section 3.3 Steer)</i>
2	234522	1	<ul style="list-style-type: none"> <li>MOUNT, Motor - Charge side</li> </ul>
3	234525	1	<ul style="list-style-type: none"> <li>MOUNT, Motor - Base control side</li> </ul>
4	151248	1	<ul style="list-style-type: none"> <li>STEER ARM, Charger side</li> </ul>
5	151249	1	<ul style="list-style-type: none"> <li>STEER ARM, Base control side</li> </ul>
6	151326	2	<ul style="list-style-type: none"> <li>PIN, Steering</li> </ul>
7	107143	2	<ul style="list-style-type: none"> <li>ROD END, Male</li> </ul>
8	100050	2	<ul style="list-style-type: none"> <li>BUSHING, Fiberglide</li> </ul>
9	234532	2	<ul style="list-style-type: none"> <li>NUT, Castle - Slotted (3/4"-16)</li> </ul>
10	(Ref.)	2	<ul style="list-style-type: none"> <li>MOTOR ASM, SP260 with ACX-3662</li> </ul> <i>(For components, refer to Section 3.4 Motor)</i>
11	(Ref.)	1	<ul style="list-style-type: none"> <li>POWER UNIT, SJ20</li> </ul> <i>(For components, refer to Section 3.5 Power)</i>
12	168707	2	<ul style="list-style-type: none"> <li>CLAMP, Loop - Cushioned (#16 x 1" DIA)</li> </ul>
13	132565	2	<ul style="list-style-type: none"> <li>CAP, Grease - GC5</li> </ul>
14	149782	2	<ul style="list-style-type: none"> <li>WASHER, Bronze kingpin (1-1/2")</li> </ul>
15	122071	2	<ul style="list-style-type: none"> <li>COTTER PIN (1/8" DIA x 2")</li> </ul>
16	107951	2	<ul style="list-style-type: none"> <li>SCREW, Hex socket shoulder (5/8" x 1-1/4")</li> </ul>
17	110853	2	<ul style="list-style-type: none"> <li>SCREW, Flat Head Cap (1/4"-20 x 5/8" Gr. 5)</li> </ul>
18	103789	2	<ul style="list-style-type: none"> <li>WASHER, Lock tooth - SP-NR #B-493 (1")</li> </ul>
19	107949	2	<ul style="list-style-type: none"> <li>NUT, Hex head jam (1/2"-13 Gr. 5)</li> </ul>
20	106450	2	<ul style="list-style-type: none"> <li>NUT, Hex head jam (3/4"-16 Gr. 5)</li> </ul>
21	107947	2	<ul style="list-style-type: none"> <li>NUT, Hex head jam (1"-14 Gr. 5)</li> </ul>
22	103885	16	<ul style="list-style-type: none"> <li>BOLT, Hex Head (5/16"-18 x 1-3/4" Gr. 5)</li> </ul>
23	103996	37	<ul style="list-style-type: none"> <li>WASHER, Flat (5/16")</li> </ul>
24	103984	16	<ul style="list-style-type: none"> <li>NUT, Nylon Lock (5/16"-18 Gr. 5)</li> </ul>
25	148331	5	<ul style="list-style-type: none"> <li>BOLT, Hex head (5/16"-18 x 5/8" Gr. 5)</li> </ul>
26	103404	5	<ul style="list-style-type: none"> <li>WASHER, Lock (5/16")</li> </ul>
27	119309	AR	OIL, ATF Transmission

### 3.3 Steer Cylinder



M234078AB

Index No.	Skyjack Part No.	Qty.	Description
-	234078	1	STEER CYLINDER
1	121089	1	• BARREL
2	107939	1	• ROD
3	167695	2	• GLAND
4	701956	2	• FITTING, Straight (06 ORBM - 04 JICM)
K1	104995	1	SEAL KIT, Steer cylinder - SJ20

# PARTS FINDER

**Search Website  
by Part Number**



**Search Manual  
Library For Parts  
Manual & Lookup Part  
Numbers – Purchase  
or Request Quote**

**Search Manuals**

Enter your information to help us find the right parts manual for your machine.

\* Brand:

\* Model:

\* Serial:

\* Part Number:

SEARCH

**Can't Find Part or  
Manual? Request Help  
by Manufacturer,  
Model & Description**

**Parts Order Form**

Please fill in the following information to help us find the right part for your machine.

Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Description:	<input type="text"/>
Part Number:	<input type="text"/>
Quantity:	<input type="text"/>
Notes:	<input type="text"/>

Discount-Equipment.com is your online resource for quality parts & equipment.

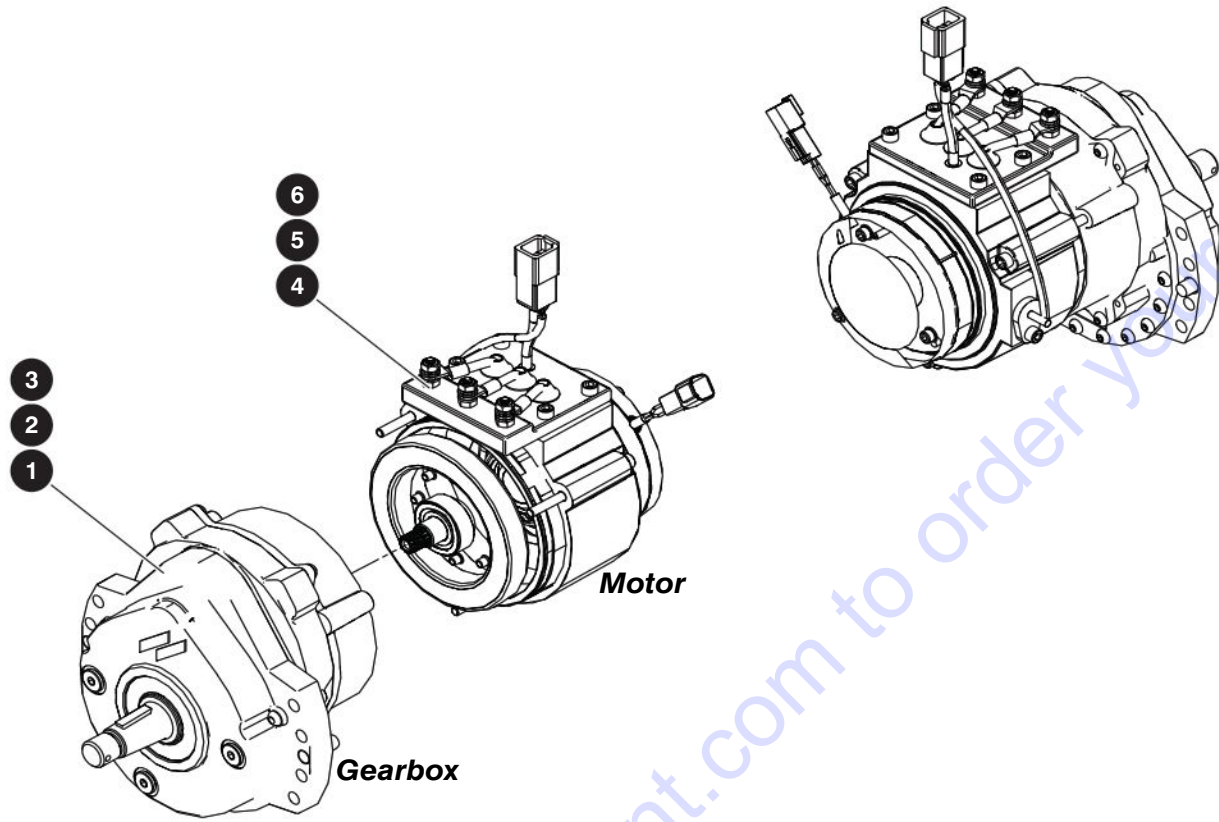
Florida: **561-964-4949** Outside Florida TOLL FREE: **877-690-3101**

**Need parts?**

Click on this link: <http://www.discount-equipment.com/category/5443-parts/> and choose one of the options to help get the right parts and equipment you are looking for. Please have the machine model and serial number available in order to help us get you the correct parts. If you don't find the part on the website or on one of the online manuals, please fill out the request form and one of our experienced staff members will get back to you with a quote for the right part that your machine needs.

We sell worldwide for the brands: Genie, Terex, JLG, MultiQuip, Mikasa, Essick, Whiteman, Mayco, Toro Stone, Diamond Products, Generac Magnum, Airman, Haulotte, Barreto, Power Blanket, Nifty Lift, Atlas Copco, Chicago Pneumatic, Allmand, Miller Curber, Skyjack, Lull, Skytrak, Tsurumi, Husquvarna Target, Stow, Wacker, Sakai, Mi-T-M, Sullair, Basic, Dynapac, MBW, Weber, Bartell, Bennar Newman, Haulotte, Ditch Runner, Menegotti, Morrison, Contec, Buddy, Crown, Edco, Wyco, Bomag, Laymor, EZ Trench, Bil-Jax, F.S. Curtis, Gehl Pavers, Heli, Honda, ICS/PowerGrit, IHI, Partner, Imer, Clipper, MMD, Koshin, Rice, CH&E, General Equipment, Amida, Coleman, NAC, Gradall, Square Shooter, Kent, Stanley, Tamco, Toku, Hatz, Kohler, Robin, Wisconsin, Northrock, Oztec, Toker TK, Rol-Air, APT, Wylie, Ingersoll Rand / Doosan, Innovatech, Con X, Ammann, Mecalac, Makinex, Smith Surface Prep, Small Line, Wanco, Yanmar

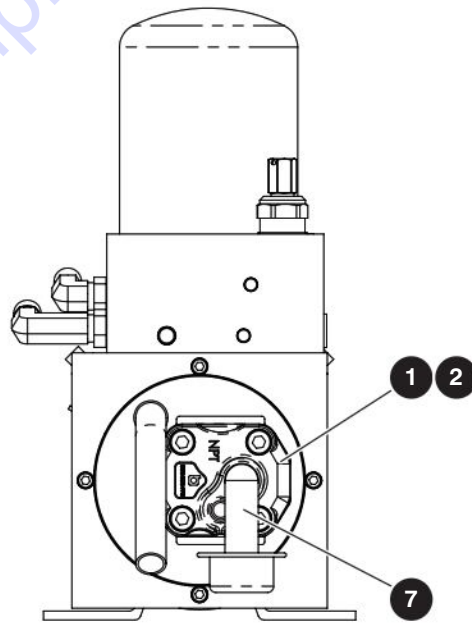
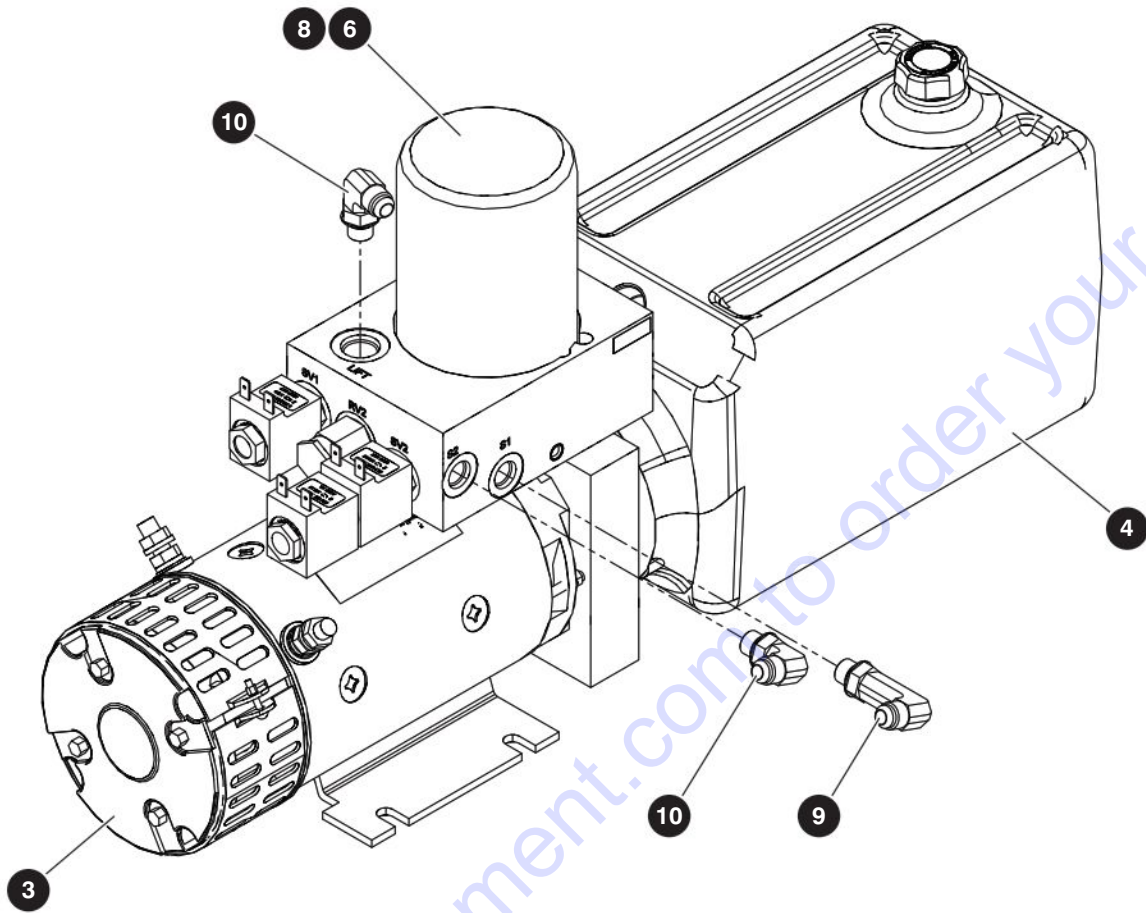
### 3.4 Motor



M234150AB

Index No.	Skyjack Part No.	Qty.	Description
-	234150	2	MOTOR
<b>A</b>	234004	1	GEARBOX, Wheel drive 56.645:1
1	234722	1	• BEARING KIT, Gearbox
2	234723	1	• KEY, Gearbox
3	234721	1	• SEAL KIT, Gearbox - SJ20
<b>B</b>	234131	1	MOTOR, AC induction with brake ACX-3662
4	234724	1	• BRAKE KIT, Wheel motor
5	234725	1	• SPEED SENSOR, Wheel motor
6	234726	1	• BOLT KIT, Wheel motor

### 3.5 Power Unit



VIEW SHOWN WITHOUT RESERVOIR

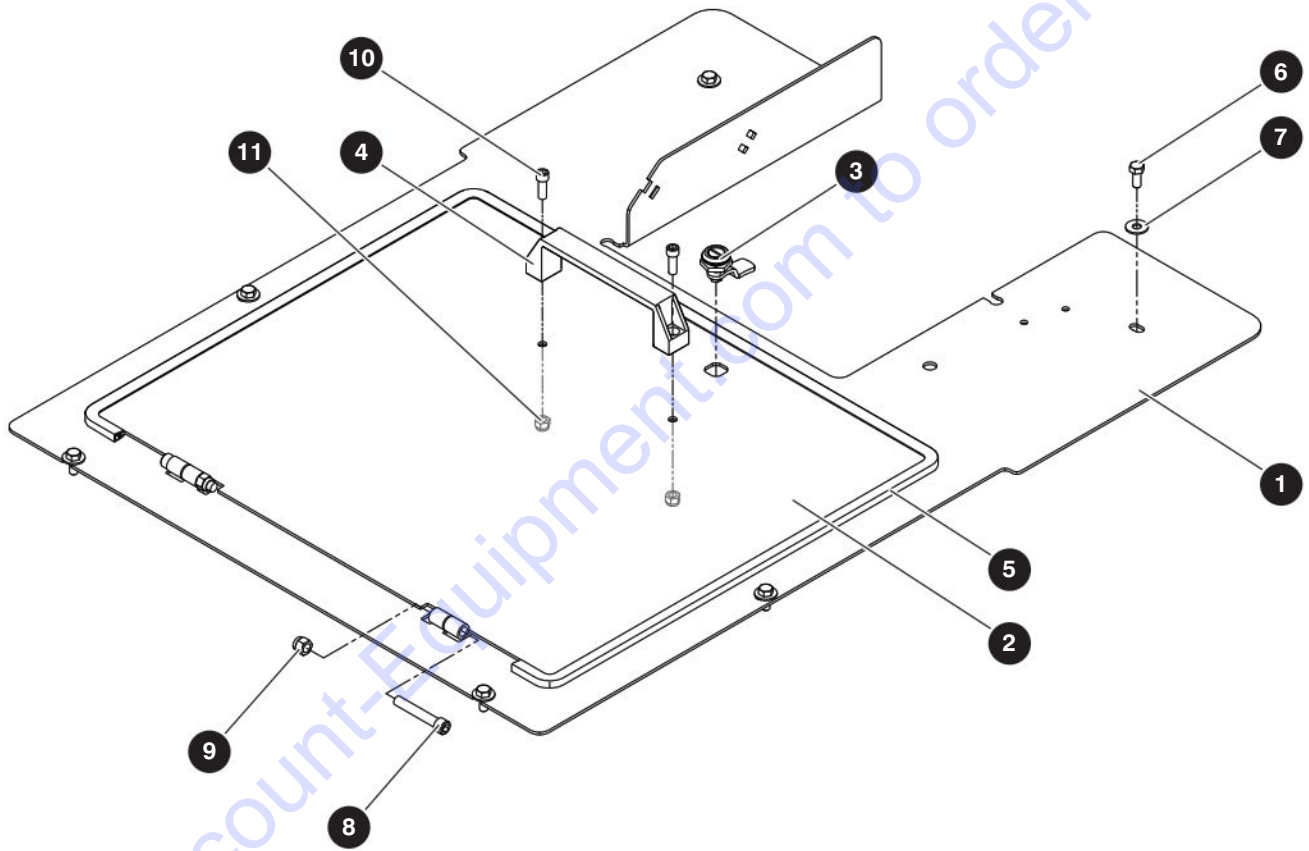
M234158AC

238885AAA

### 3.5 Power Unit

Index No.	Skyjack Part No.	Qty.	Description
-	234158	1	POWER UNIT
1	234703	1	• PUMP, AP100/3.5 -Ext tang no cvrs
2	234704	1	• SEAL, NBR 90 Diamond shape AP
3	234705	1	• MOTOR, DC 24 Volt - 5.0 NEXTND DTY
4	234706	1	• RESERVOIR, Plastic (6.7 x 6.7 x 13 H/MT)
5	234707	1	• CLAMP, Hose worm gear RSV M-SER
6	234709	1	• FILTER, Element Spin-On 7M
7	234710	1	• PLUG, Reservoir breather filler
8	234720	1	• VALVE ASM, Electric 24 VDC - 3W/4W
	234711	2	• • POPPET, Check
	234712	1	• • SPRING, Light check valve M-SR
	234713	1	• • CARTRIDGE, 3W/2P #8 (3000 PSI)
	234714	1	• • CARTRIDGE, 4W/3P (3000 PSI CC 8)
	234715	1	• • VALVE MAX, VM01 HDM10 T.95-210
	234716	1	• • VALVE, Relief cartridge DA size 8
	234717	1	• • COIL, 24VDC 8 Two 1/4 male tab
	234718	1	• • SEAL, Washer BSPP fitting
	234719	1	• • ADAPTER, 3/4 BSPP M x 3/4 BSP M
9	162071	1	• FITTING, 90 Degree (06 JICM - 06 ORBM - XL)
10	114578	2	• FITTING, 90 Degree (06 JICM - 06 ORBM)

### 3.6 Cover



M234581AC

238885AAA

SJ20

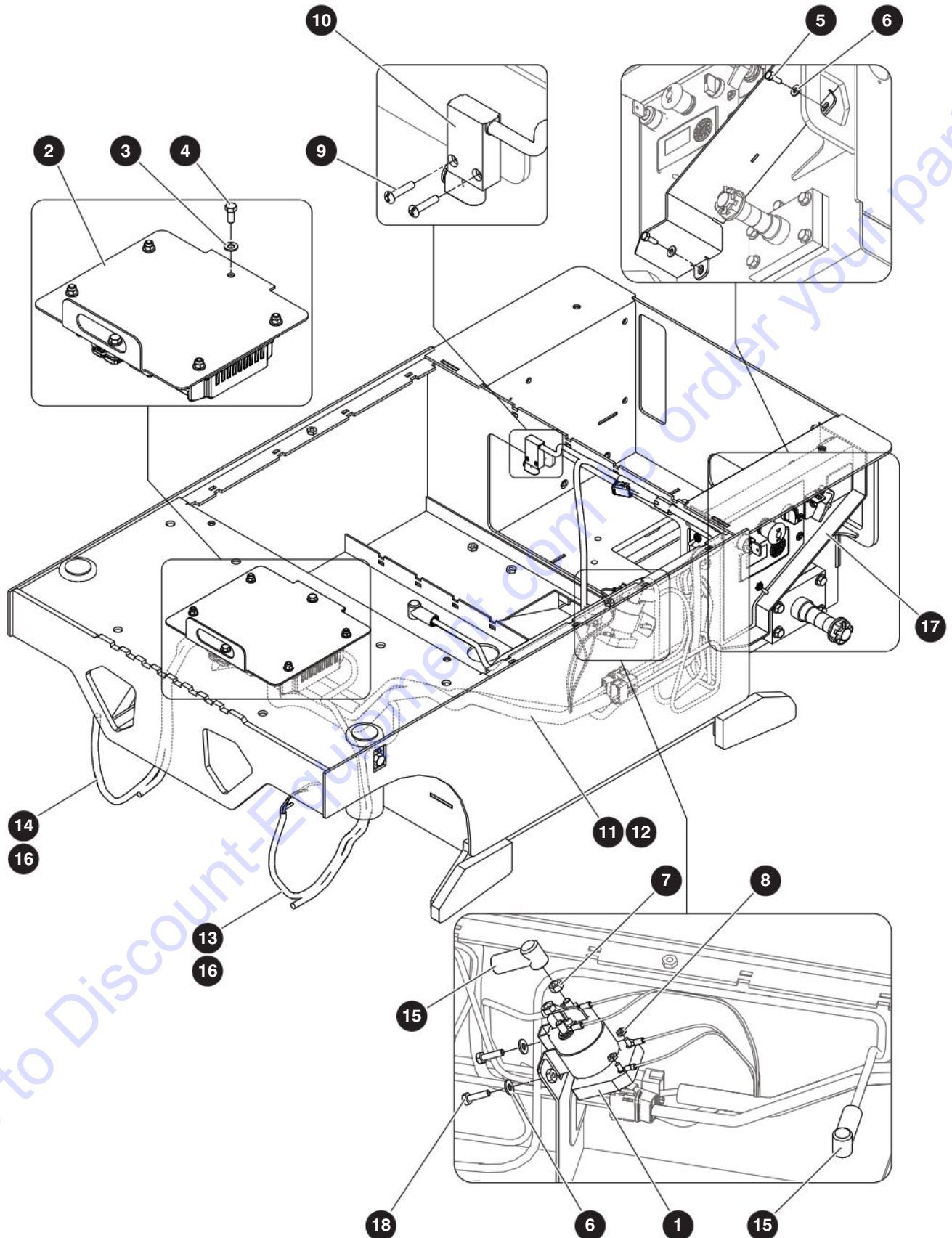
### 3.6 Cover

Index No.	Skyjack Part No.	Qty.	Description
-	234581	1	COVER GROUP
1	234585	1	<ul style="list-style-type: none"> <li>• LOWER COVER</li> </ul>
2	234582	1	<ul style="list-style-type: none"> <li>• TOP COVER</li> </ul>
3	138715	1	<ul style="list-style-type: none"> <li>• LATCH, Slotted door</li> </ul>
4	928533	1	<ul style="list-style-type: none"> <li>• HANDLE, Plastic pull</li> </ul>
5	117398	70"	<ul style="list-style-type: none"> <li>• PROTECTIVE TRIM (3/16"-1/4")</li> </ul>
6	103887	6	<ul style="list-style-type: none"> <li>• BOLT, Hex head (5/16"-18 x 3/4" Gr. 5)</li> </ul>
7	166164	6	<ul style="list-style-type: none"> <li>• WASHER, Flat (5/16" USS)</li> </ul>
8	234578	2	<ul style="list-style-type: none"> <li>• SCREW, Socket head cap (3/8"-16 x 2-1/4")</li> </ul>
9	104606	2	<ul style="list-style-type: none"> <li>• NUT, Nylon Lock (3/8"-16 Gr. 5)</li> </ul>
10	157822	2	<ul style="list-style-type: none"> <li>• SCREW, Socket Head Cap (5/16"-18 x 7/8")</li> </ul>
11	103984	2	<ul style="list-style-type: none"> <li>• NUT, Nylon Lock (5/16"-18 Gr. 5)</li> </ul>

Go to Discount-Equipment.com to order your parts



### 3.7 Base Electrical



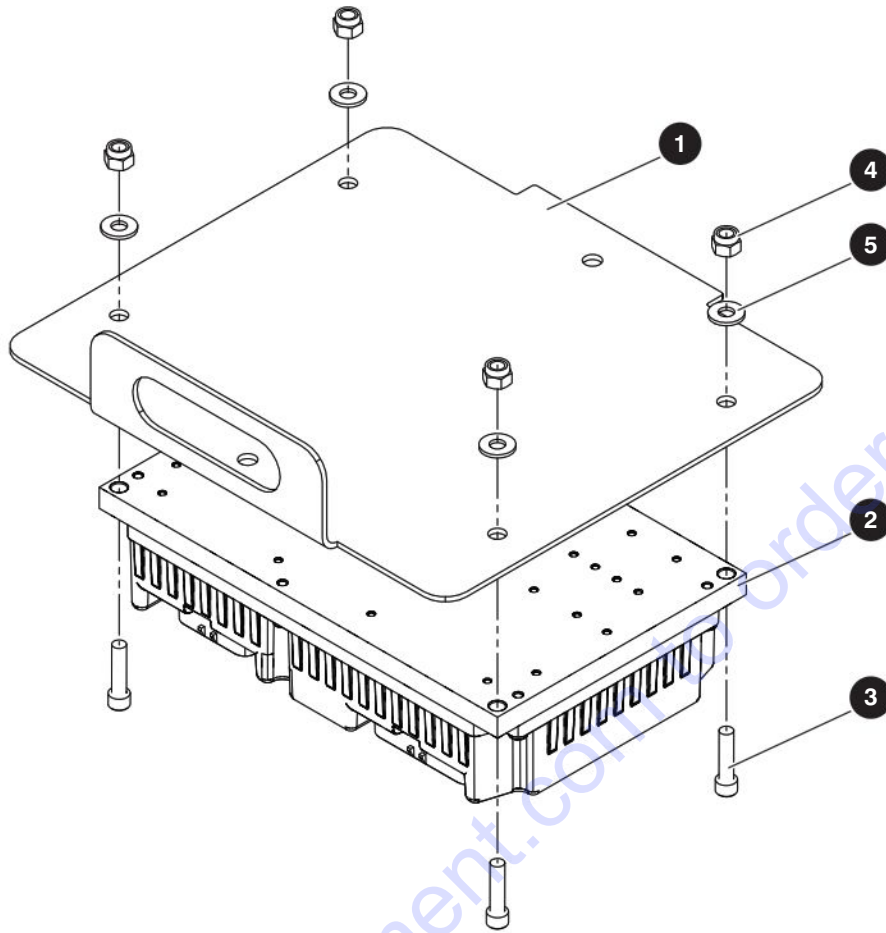
M234099AC

238885AAA

### 3.7 Base Electrical

Index No.	Skyjack Part No.	Qty.	Description
-	234099	1	BASE ELECTRICAL GROUP
1	146475	1	<ul style="list-style-type: none"> <li>• SWITCH, Solenoid - Contactor</li> </ul>
2	(Ref.)	1	<ul style="list-style-type: none"> <li>• CONTROLLER ASM, SJ20</li> </ul> <p><i>(For components, refer to Section 3.8 Controller)</i></p>
3	103996	2	<ul style="list-style-type: none"> <li>• WASHER, Flat (5/16")</li> </ul>
4	103887	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head (5/16"-18 x 3/4" Gr. 5)</li> </ul>
5	103856	2	<ul style="list-style-type: none"> <li>• BOLT, Hex Head Zinc (1/4"-20 x 3/4" Gr. 5)</li> </ul>
6	103995	4	<ul style="list-style-type: none"> <li>• WASHER, Flat (1/4")</li> </ul>
7	156844	2	<ul style="list-style-type: none"> <li>• NUT, Hex (5/16"-24 Gr. 5)</li> </ul>
8	104003	2	<ul style="list-style-type: none"> <li>• NUT, Hex (#10-32)</li> </ul>
9	103958	2	<ul style="list-style-type: none"> <li>• SCREW, Round head machine (#8-32 x 3/4")</li> </ul>
10	(Ref.)	1	<ul style="list-style-type: none"> <li>• LIMIT SWITCH ASM, SJ20</li> </ul> <p><i>(For components, refer to Section 3.9 Base)</i></p>
11	234155	1	<ul style="list-style-type: none"> <li>• HARNESS, Main - ZAPI A Connector</li> </ul>
12	234156	1	<ul style="list-style-type: none"> <li>• HARNESS, Main - ZAPI B Connector</li> </ul>
13	234242	1	<ul style="list-style-type: none"> <li>• CABLE ASM, Base control-side motor</li> </ul>
14	234241	3	<ul style="list-style-type: none"> <li>• WELDING CABLE, #8 GA (5/16" X 42" X 1/4")</li> </ul>
14	234243	1	<ul style="list-style-type: none"> <li>• CABLE ASM, Charger-side motor</li> </ul>
14	234241	3	<ul style="list-style-type: none"> <li>• WELDING CABLE, #8 GA (5/16" X 42" X 1/4")</li> </ul>
15	117408	2	<ul style="list-style-type: none"> <li>• BOOT, Battery - Red</li> </ul>
16	117696	12	<ul style="list-style-type: none"> <li>• BOOT, Terminal - Rubber (#4 AWG)</li> </ul>
17	(Ref.)	1	<ul style="list-style-type: none"> <li>• BASE CONTROL</li> </ul> <p><i>(For components, refer to Section 3.10 Base)</i></p>
18	103857	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head zinc (1/4"-20 x 1" Gr. 5)</li> </ul>

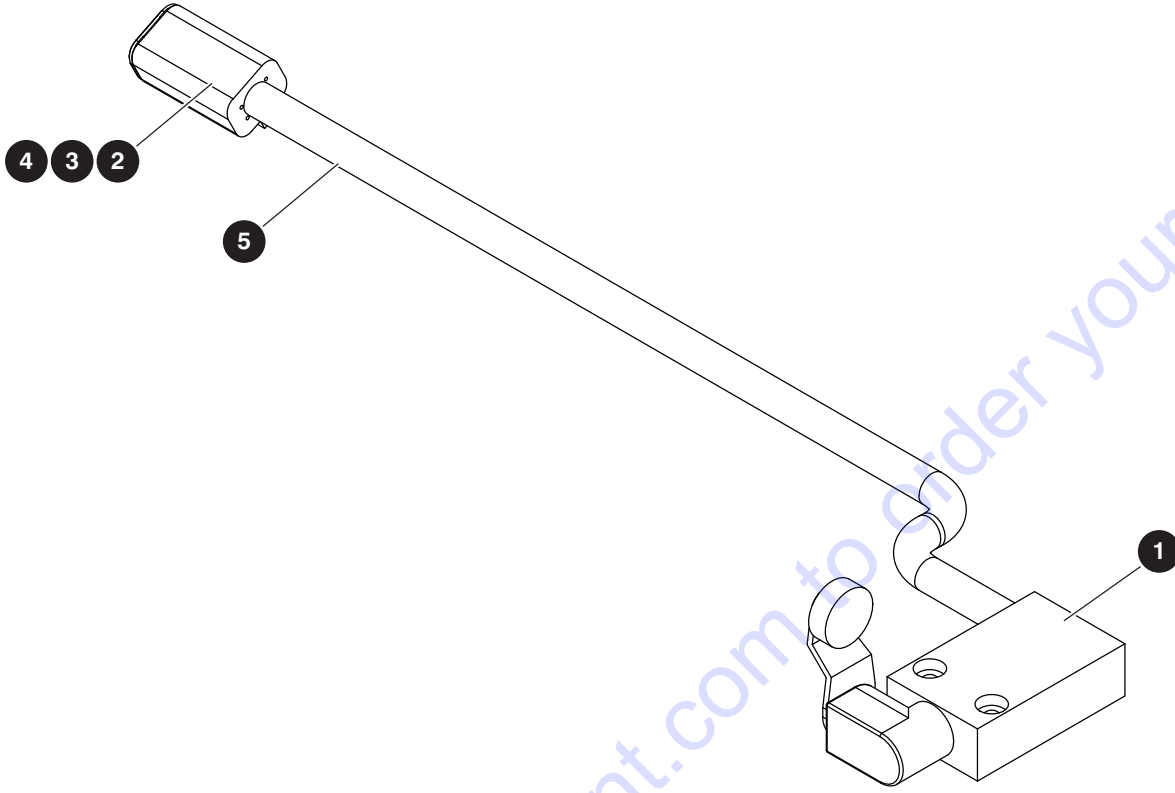
### 3.8 Controller



M234107AC

Index No.	Skyjack Part No.	Qty.	Description
-	234107	1	CONTROLLER
1	234531	1	• PLATE, Controller mount
2	234005	1	• CONTROLLER, Motor AC TRCT- DC Pump
3	138622	4	• SCREW, Socket head cap (1/4"-20 1" Zinc)
4	115649	4	• NUT, Nylon lock (1/4"-20 Gr. 5)
5	103995	4	• WASHER, Flat (1/4")

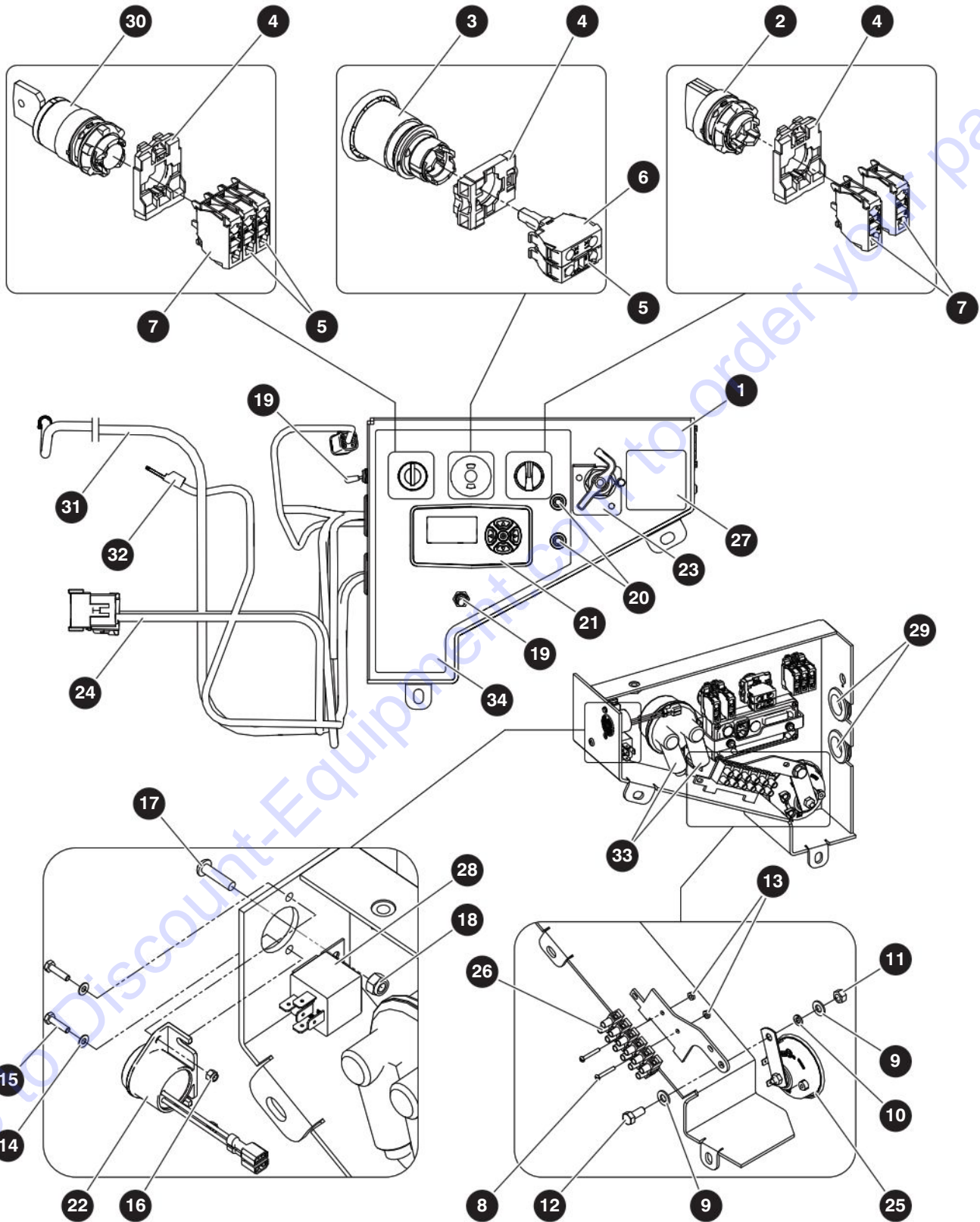
### 3.9 Base Limit Switch



M234204AC

Index No.	Skyjack Part No.	Qty.	Description
-	234204	1	BASE LIMIT SWITCH
1	199405	1	• LIMIT SWITCH, Lever - 2M
2	117579	1	• CONNECTOR, 4F Sealed - DT
3	117591	4	• TERMINAL, F 16-18AWG NI SLD - Size 16
4	117581	1	• CONNECTOR, TPA 4F - DT
5	108878	2	• HEATSHRINK, Polyofin (5/16" DIA)

### 3.10 Base Control



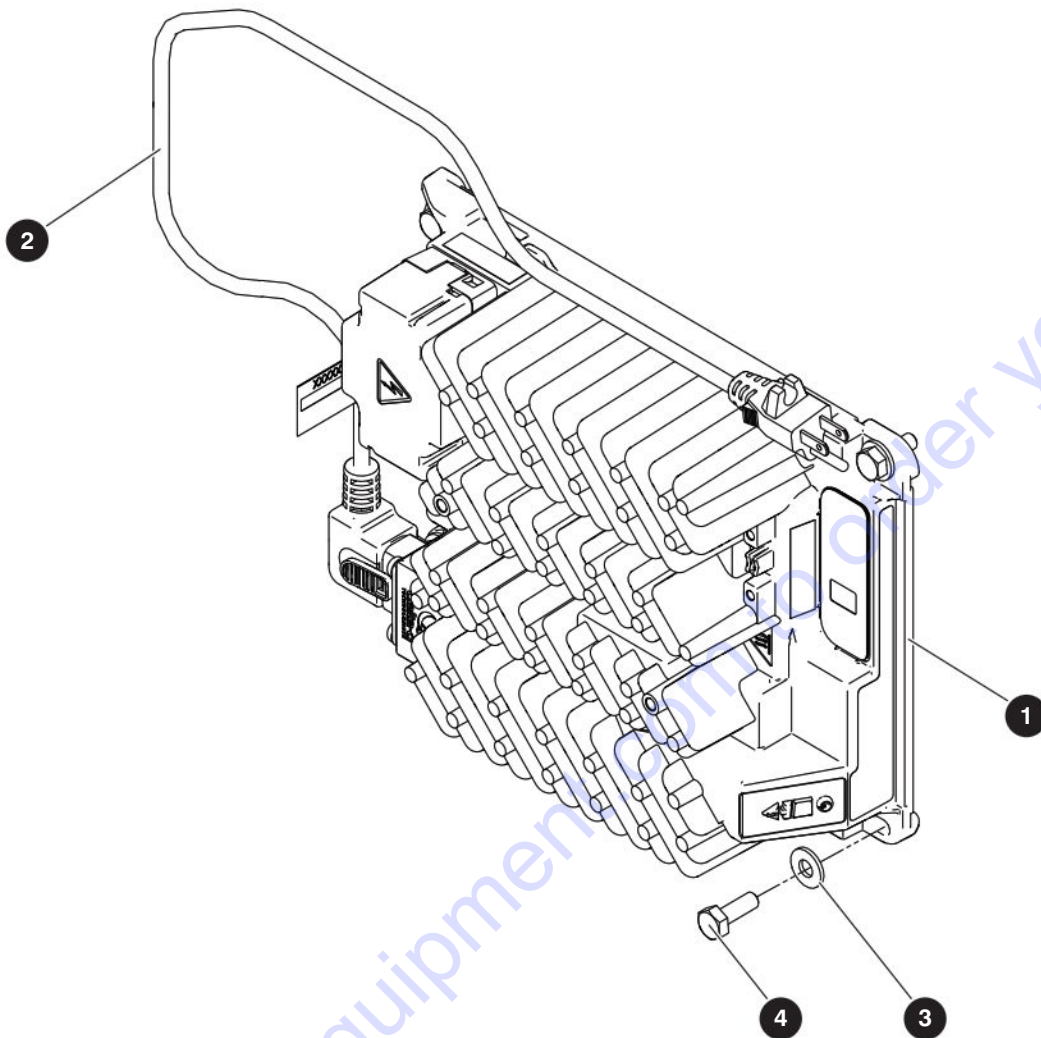
M234195AB

238885AAA

## 3.10 Base Control

Index No.	Skyjack Part No.	Qty.	Description
-	234195	1	BASE CONTROL
1	234194	1	• BASE CONTROL BOX, SJ20
2	147069	1	• HEAD, Selector switch
3	147051	1	• HEAD, Emergency stop
4	147056	3	• LATCH
5	147053	3	• CONTACT BLOCK, Normally closed
6	147061	1	• LED BLOCK, Red - 24V
7	147054	3	• CONTACT BLOCK, Normally open
8	103956	2	• SCREW, Round head machine (#6-32 x 1")
9	103996	2	• WASHER, Flat (5/16")
10	104000	1	• WASHER, Lock (1/4")
11	100397	1	• NUT, Hex head zinc (5/16"-18 Gr. 5)
12	103887	1	• BOLT, Hex head (5/16"-18 x 3/4" Gr. 5)
13	103985	2	• NUT, Hex (#6-32)
14	228464	2	• WASHER, Flat (M3 Zp)
15	228468	2	• BOLT, Hex head (M3 x 1/2" x 12" CL 8.8 Ft Zp)
16	217626	2	• NUT, Hex nylon lock (M3 x 1/2" CL 8 Zp)
17	192776	1	• BOLT, Button Head Cap Screw (#10-24 x 3/4")
18	126642	1	• NUT, Nylon lock (#10-24 Gr. 5)
19	115573	2	• SWITCH, Toggle - 1TL1 - 8
20	117325	2	• BREAKER, Circuit (15 Amp)
21	234006	1	• DISPLAY MODULE, Motor controller
22	215817	1	• BEEPER, With terminals
23	119725	1	• SWITCH, Master disconnect - 6-32 Volt DC
24	234197	1	• BASE CONTROL WIRING
	(Ref.)	1	• • BASE CONTROL HARNESS - ZAPI A <i>(For components, refer to Section 3.17 Base)</i>
	(Ref.)	1	• • BASE CONTROL HARNESS - ZAPI B <i>(For components, refer to Section 3.18 Base)</i>
25	146649	1	• HORN, 24 V Low tone
26	103011	1	• TERMINAL BLOCK, 6P Large
27	(Ref.)	1	• LABEL, Battery disconnect switch <i>(For components, refer to Section 6.5 Labels)</i>
28	108589	1	• RELAY, 24V - 40 Amp
29	141612	2	• GROMMET, Ruber (1" x 3/8" x 1/8")
30	149536	1	• SWITCH, Selector - Keyed
31	234187	1	• CABLE, Battery - #4 GA (3/8" x 60" x 5/16")
32	216106	1	• CABLE, Battery - #4 GA (5/16" x 34" x 3/8")
33	117408	2	• BOOT, Battery - Red
34	(Ref.)	1	• LABEL, Base controls - SJ20 <i>(For components, refer to Section 6.5 Labels)</i>

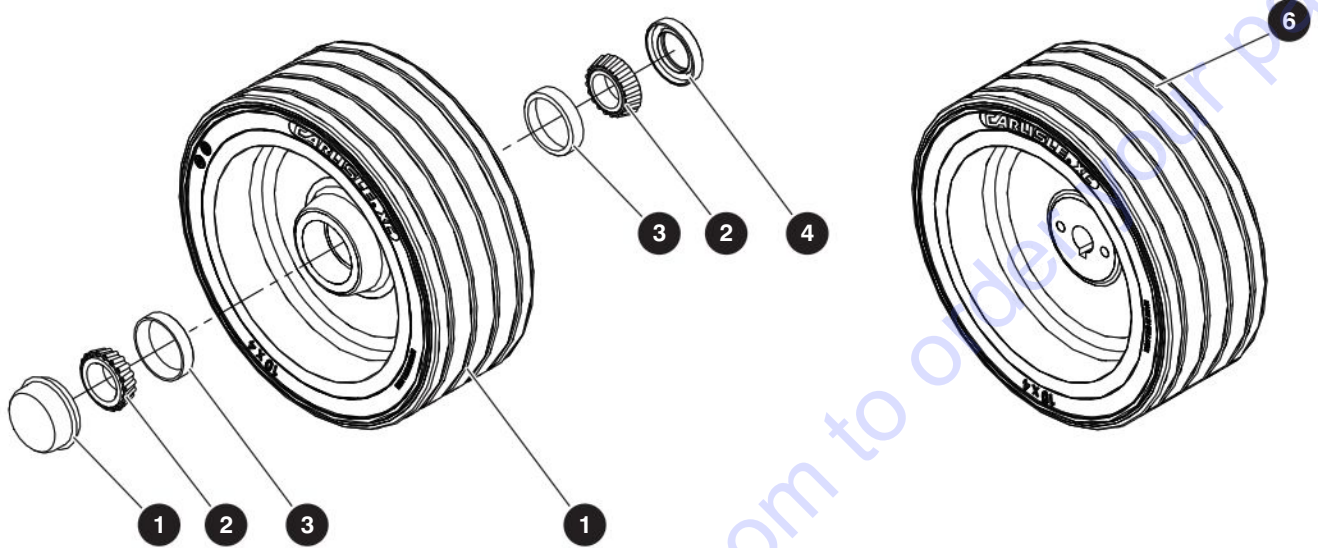
### 3.11 Charger



M234258AA

Index No.	Skyjack Part No.	Qty.	Description
-	234258	1	CHARGER, IC650 ZAPI
1	234250	1	• CHARGER, Delta-Q - IC650
2	223156	1	• CORD, Delta-Q charger - IC650
3	103995	4	• WASHER, Flat (1/4")
4	103856	4	• BOLT, Hex Head Zinc (1/4"-20 x 3/4" Gr. 5)

## 3.12 Wheels



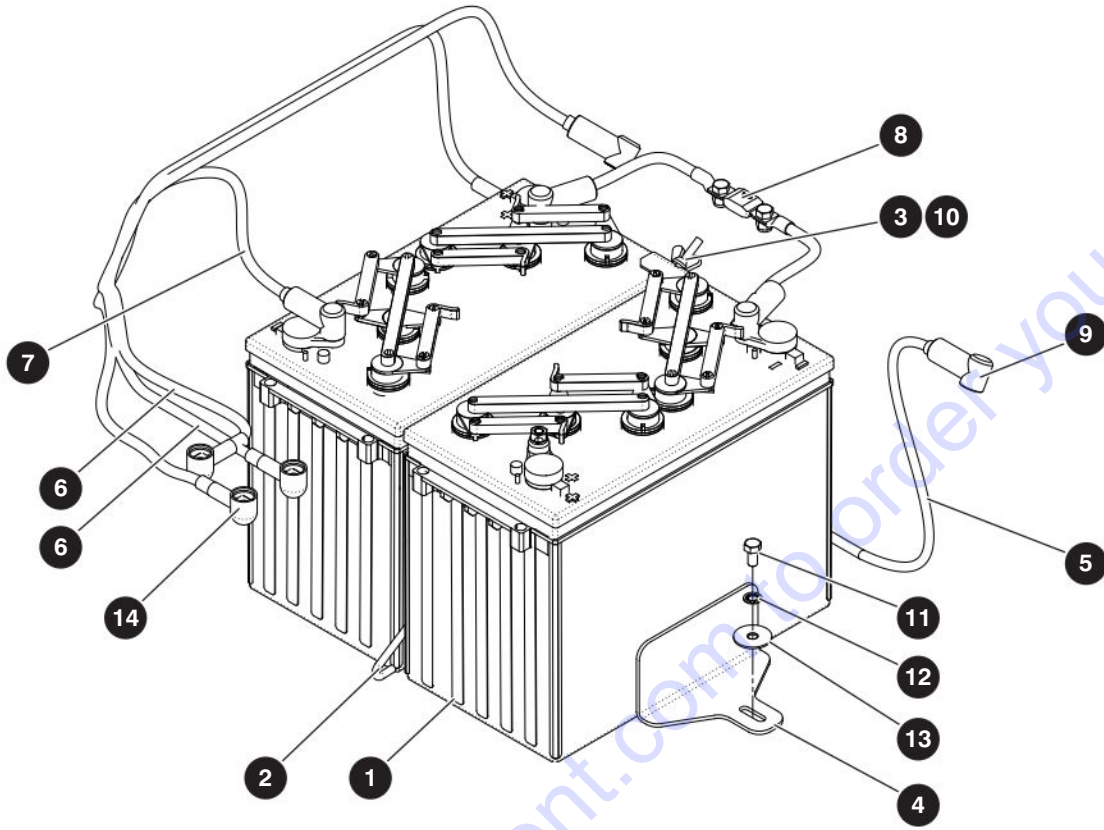
M234540AB

Index No.	Skyjack Part No.	Qty.	Description
-	234540	1	WHEEL GROUP
-	234076	2	• FREE WHEEL, Solid - 10x4
1	234605	1	• • WHEEL, Freewheel - 10x4
2	103003	2	• • BEARING CONE
3	102977	2	• • BEARING, Cup - Outer
4	103143	1	• • SEAL, Greaes (007, 009)
5	102865	1	• • DUST CAP
6	234077	2	• WHEEL, Solid - 10x4

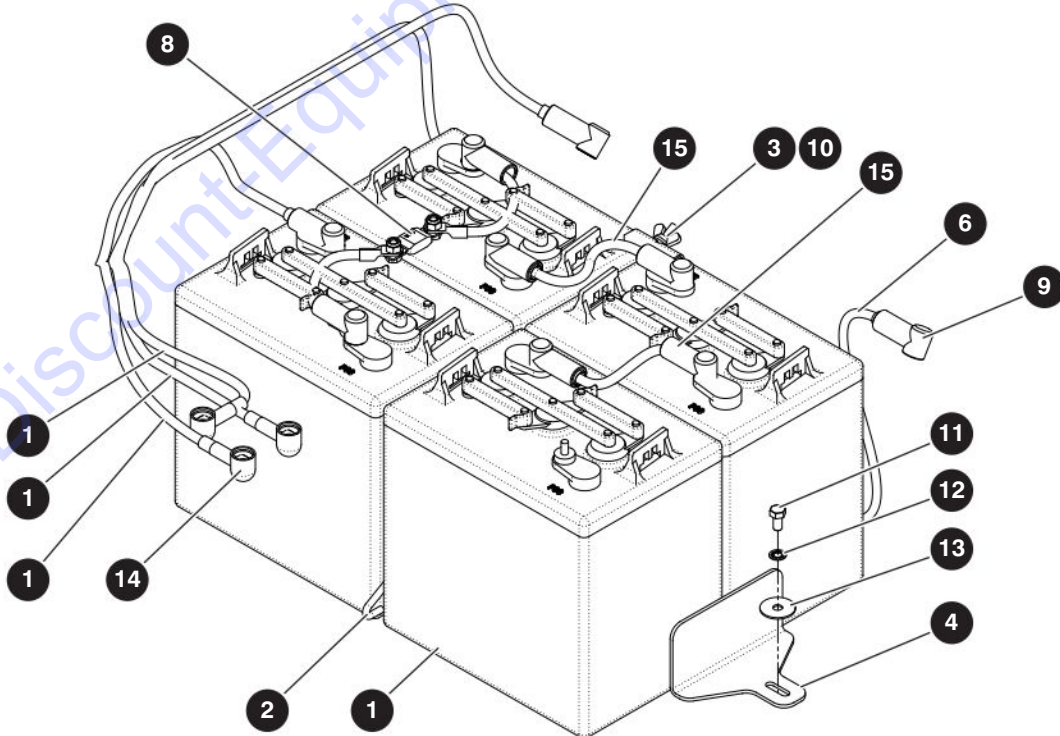


### 3.13 Batteries

#### 12 Volt



#### 6 Volt



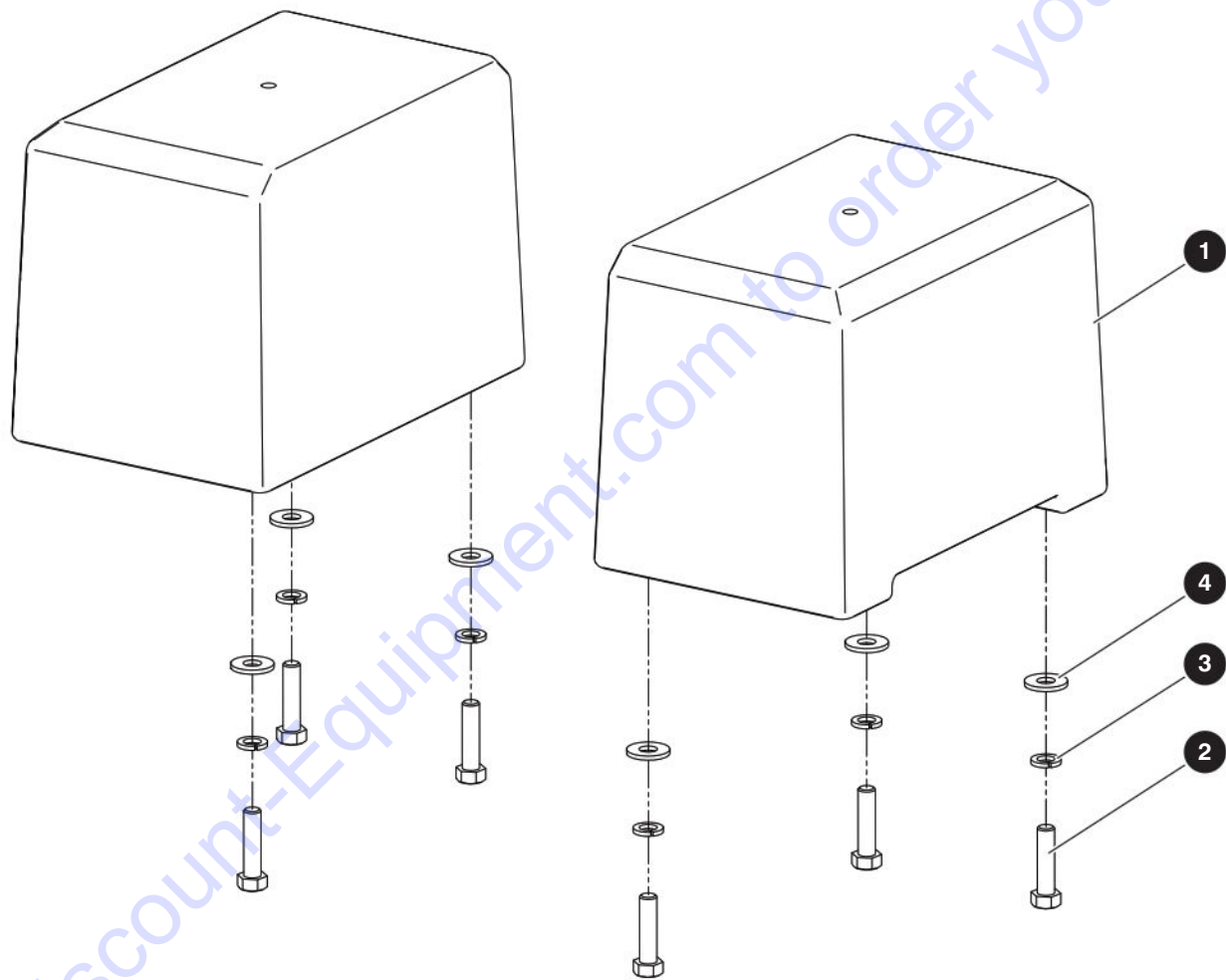
M234570AB, M234550AB

238885AAA

### 3.13 Batteries

Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	234571	1	BATTERY, 12 V
<b>B</b>	234550	1	BATTERY, 6 V
1	169938	2	• BATTERY, 12 V - Deep Cycle 155Ah, <b>A</b>
	103480	4	• BATTERY, 6 V with lifting lugs - U2200XC2, <b>B</b>
2	234537	1	• J HOOK, Battery hold down (17-3/4")
3	157364	1	• BRACKET, Battery tie down
4	234612	2	• PLATE, Battery holder
5	234608	1	• CABLE, Welding - #4 GA (5/16" x 38" x 3/8")
6	234548	2	• CABLE, Welding - #4 GA (1/4" x 40" x 3/8")
7	234607	1	• CABLE, Welding - #4 GA (1/4" x 30" x 5/16")
8	216103	1	• CABLE, Battery - In-line fuse (300 A)
9	117408	5	• BOOT, Battery - Red, <b>A</b>
	117408	9	• BOOT, Battery - Red, <b>B</b>
10	120175	1	• NUT, Wing (1/4"-20 Type A)
11	148331	2	• BOLT, Hex head (5/16"-18 x 5/8" Gr. 5)
12	234264	2	• WASHER, Internal lock tooth (5/16")
13	207341	2	• WASHER, Flat fender (5/16" x 1-1/4")
14	117696	3	• BOOT, Terminal - Rubber (#4 AWG)
15	119615	2	• CABLE, Welding - #4 GA (5/16" x 38" x 3/8"), <b>B</b>

### 3.14 Counterweight



M234601AA

238885AAA

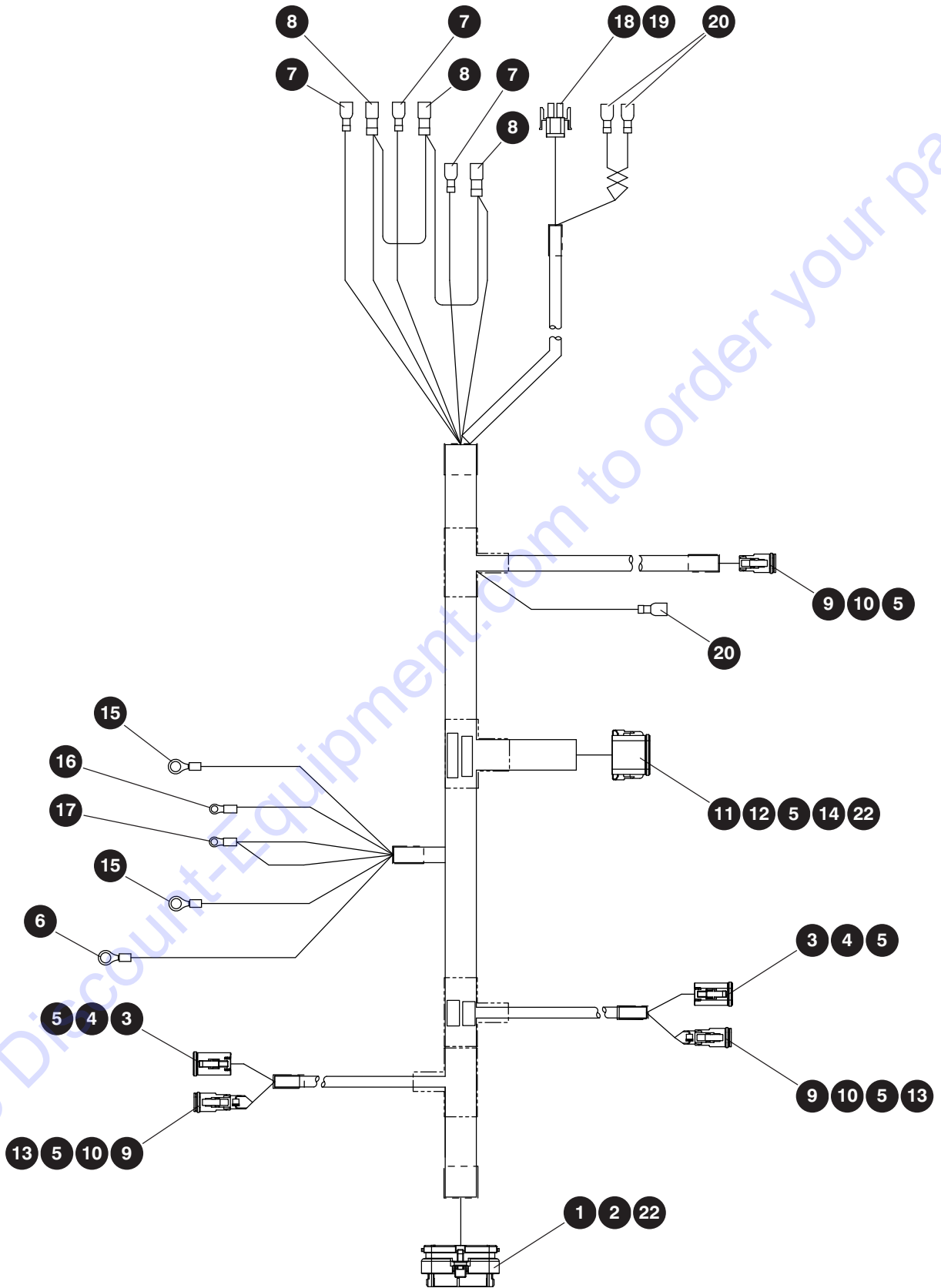
SJ20

### 3.14 Counterweight

Index No.	Skyjack Part No.	Qty.	Description
-	234601	1	COUNTERWEIGHT GROUP
1	234602	2	<ul style="list-style-type: none"> <li>• COUNTERWEIGHT</li> </ul>
2	103904	6	<ul style="list-style-type: none"> <li>• BOLT, Hex Head (1/2"-13 x 2" Gr. 5)</li> </ul>
3	103470	6	<ul style="list-style-type: none"> <li>• WASHER, Lock (1/2" Nom x 0.12")</li> </ul>
4	103468	6	<ul style="list-style-type: none"> <li>• WASHER, Flat (1/2" SAE)</li> </ul>

Go to Discount-Equipment.com to order your parts

### 3.15 Main Harness - ZAPI A



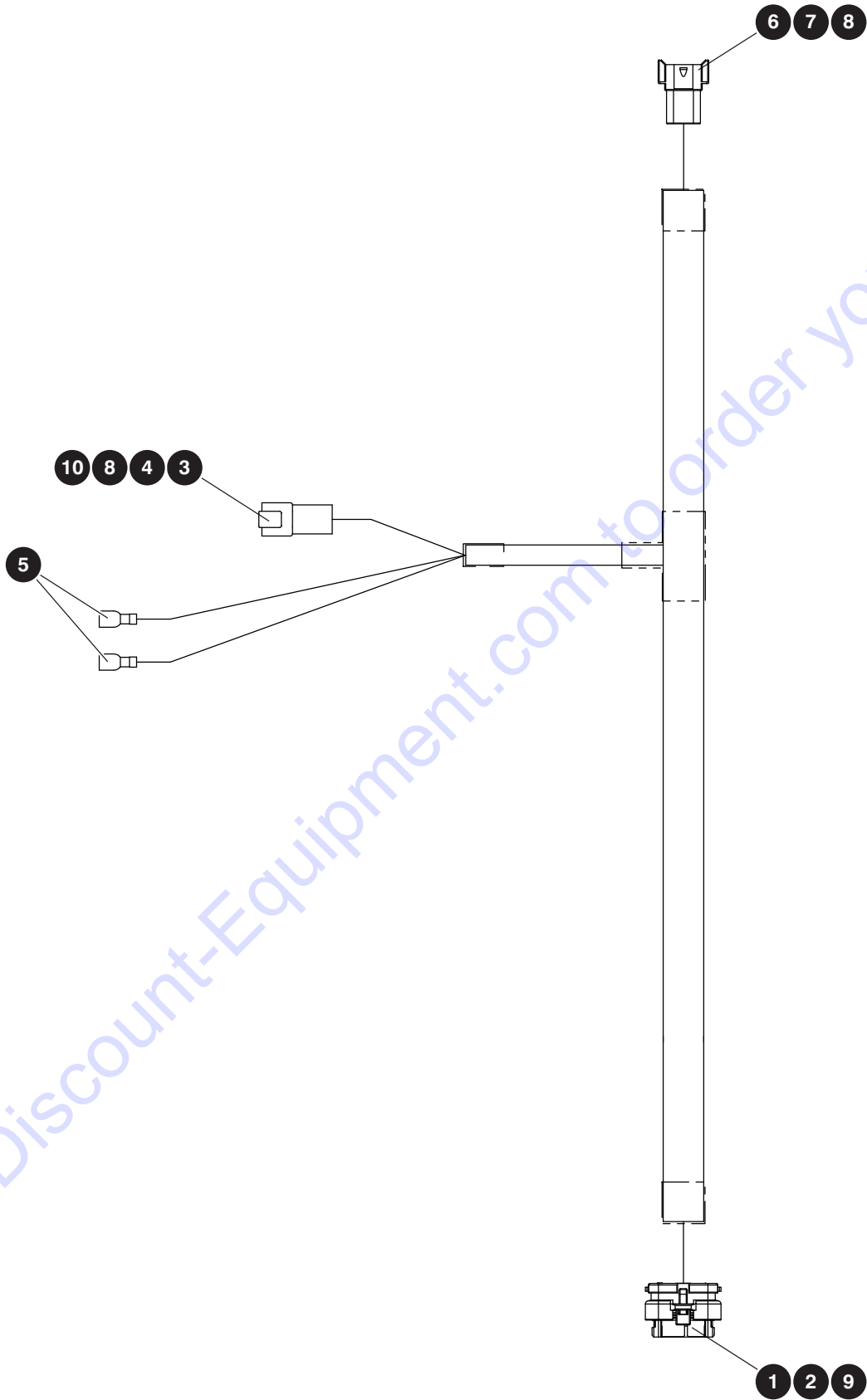
M234155AB

238885AAA

### 3.15 Main Harness - ZAPI A

Index No.	Skyjack Part No.	Qty.	Description
-	234155	1	MAIN HARNESS - ZAPI A
1	138831	1	• PLUG, 35 Position
2	138832	26	• CONTACT, Ampseal
3	158476	2	• CONTACT, Plug - 6-Pin
4	158477	2	• CONTACT, Plug - 6-Pin Wedge
5	117591	24	• TERMINAL, F 16-18AWG NI SLD - Size 16
6	102940	1	• TERMINAL, Ring - Yellow (10-12 GA x 5/16")
7	114595	3	• TERMINAL, Female - Red (19-22 AWG)
8	105568	3	• TERMINAL, Female (10-12 AWG Nylon Yellow)
9	117597	3	• CONNECTOR, Plug - 2-Pin
10	117599	3	• CONNECTOR, Plug - 2-Pin Wedge
11	117587	1	• CONNECTOR, Plug - 12-Pin
12	117589	1	• CONNECTOR, Plug - 12-Pin Wedge
13	234227	2	• DIODE, Schottky (10V 3A)
14	220613	2	• CONNECTOR, Contact socket - No. 20
15	109210	2	• TERMINAL, Ring (14-16 GA x 5/16")
16	119752	1	• TERMINAL, #10 Ring - Red (18-22 AWG)
17	102936	1	• TERMINAL, #10 Ring - Blue (14-16 AWG)
18	116992	1	• HOUSING, 2 Pole plug - <ale (MATE-N-LOK)
19	116990	1	• WIRE PIN, Female
20	114595	3	• TERMINAL, Female - Red (19-22 AWG)
21	206110	9	• PLUG, Ampseal cavity
22	117594	1	• CONNECTOR, Sealing plug
23	234208	96"	• CABLE, Canbus - J1939/11

### 3.16 Main Harness - ZAPI B



M234156AC

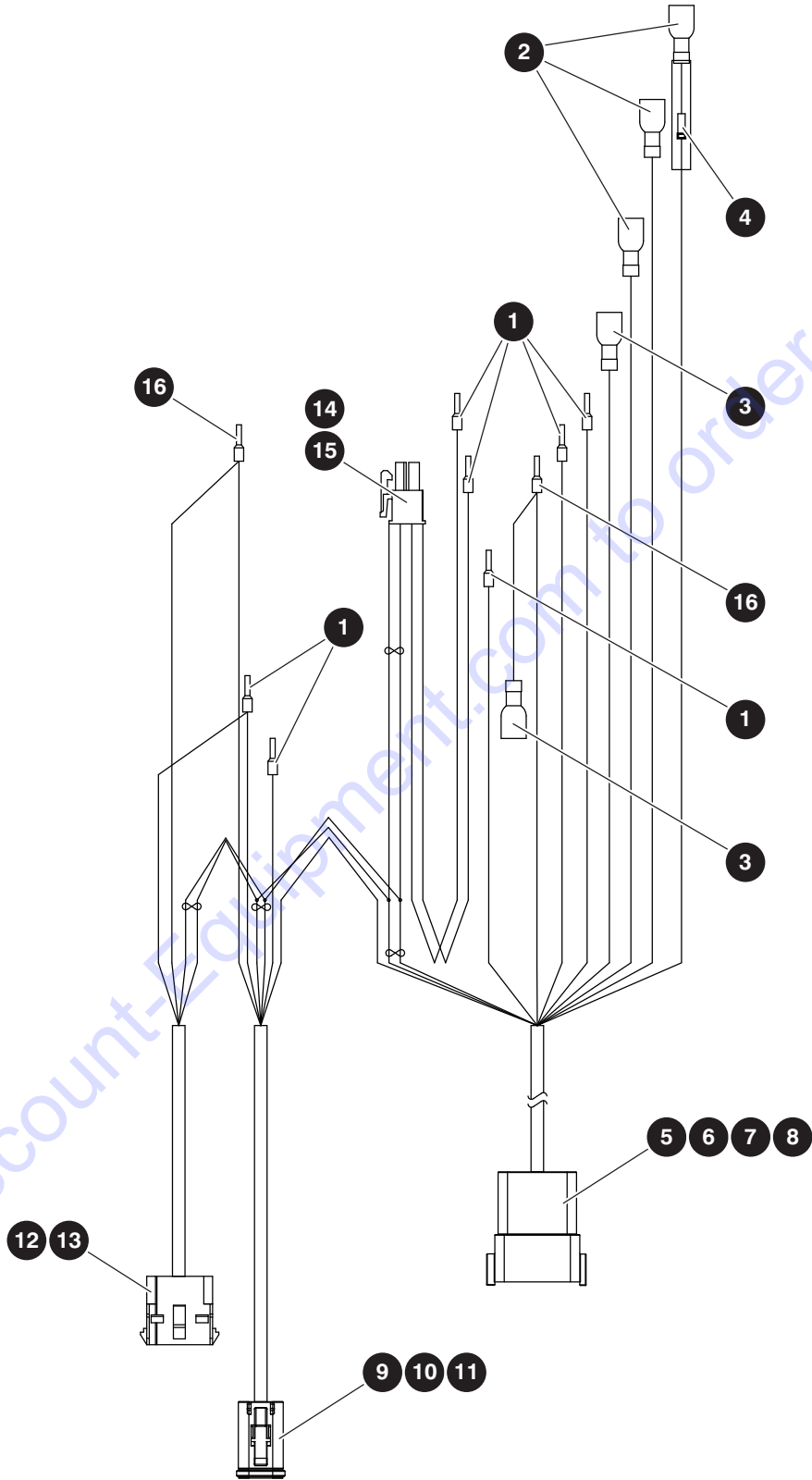
238885AAA

### 3.16 Main Harness - ZAPI B

Index No.	Skyjack Part No.	Qty.	Description
-	234156	1	MAIN HARNESS - ZAPI B
1	206108	1	• CONNECTOR, 23 Pin Amp
2	138832	12	• CONTACT, Ampseal
3	117578	1	• CONNECTOR, Receptacle - 4-Pin
4	117580	1	• CONNECTOR, Receptacle - 4-Pin Wedge
5	114595	2	• TERMINAL, Female - Red (19-22 AWG)
6	117586	1	• CONNECTOR, Receptacle - 12-Pin
7	117588	1	• CONNECTOR, Receptacle - 12-Pin Wedge
8	117590	14	• CONNECTOR, Contact pin - 16-18
9	206110	11	• PLUG, Ampseal cavity
10	117594	2	• CONNECTOR, Sealing plug



### 3.17 Base Control Harness - ZAPI A



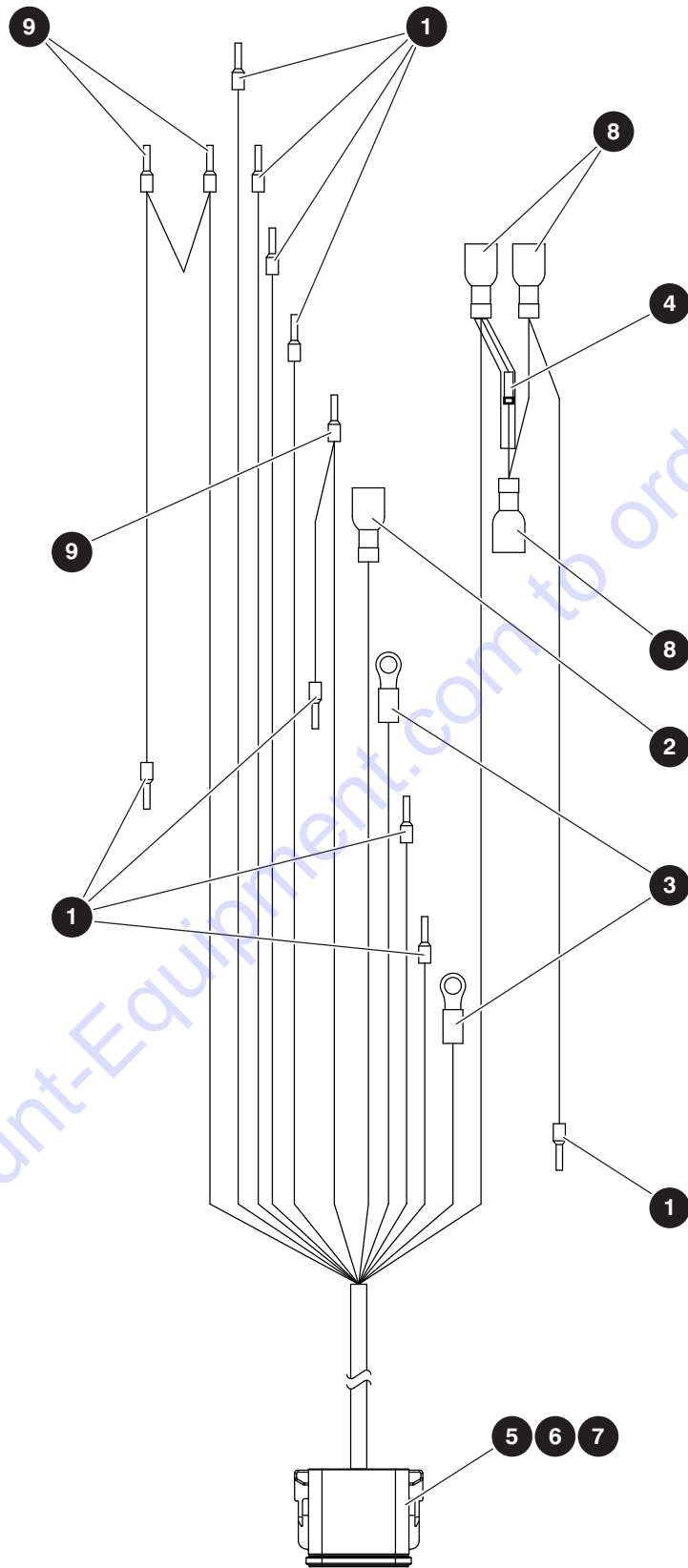
M234199AB

238885AAA

### 3.17 Base Control Harness - ZAPI A

Index No.	Skyjack Part No.	Qty.	Description
-	234199	1	BASE CONTROL HARNESS - ZAPI A
1	115401	6	• FERRULE, Red/Grey (14 GA)
2	114595	3	• TERMINAL, Female - Red (19-22 AWG)
3	114594	1	• TERMINAL, Male - Red (18-22 AWG)
4	234227	1	• DIODE, Schottky (10V 3A)
5	117586	1	• CONNECTOR, Receptacle - 12-Pin
6	117588	1	• CONNECTOR, Receptacle - 12-Pin Wedge
7	117590	11	• CONNECTOR, Contact pin - 16-18
8	117594	1	• CONNECTOR, Sealing plug
9	158476	1	• CONTACT, Plug - 6-Pin
10	158477	1	• CONTACT, Plug - 6-Pin Wedge
11	117591	4	• TERMINAL, F 16-18AWG NI SLD - Size 16
12	234201	1	• CONNECTOR, Receptacle - 4 Pin (MATE-N-LOK)
13	116989	4	• WIRE PIN, Male (MATE-N-LOCK)
14	234034	1	• CONNECTOR, Receptacle - 6 Pin Minifit
15	234039	4	• TERMINAL, Female (18-24 AWG)
16	138044	3	• FERRULE, Blue (14 GA)

### 3.18 Base Control Harness - ZAPI B



M234200AB

238885AAA

### 3.18 Base Control Harness - ZAPI B

Index No.	Skyjack Part No.	Qty.	Description
-	234200	1	BASE CONTROL HARNESS - ZAPI B
1	115401	9	• FERRULE, Red/Grey (14 GA)
2	114595	1	• TERMINAL, Female - Red (19-22 AWG)
3	119749	2	• TERMINAL, #6 Ring - Red (22-18 AWG)
4	234227	1	• DIODE, Schottky (10V 3A)
5	117587	1	• CONNECTOR, Plug - 12-Pin
6	117589	1	• CONNECTOR, Plug - 12-Pin Wedge
7	117591	12	• TERMINAL, F 16-18AWG NI SLD - Size 16
8	105568	3	• TERMINAL, Female (10-12 AWG Nylon Yellow)
9	138044	3	• FERRULE, Blue (14 GA)

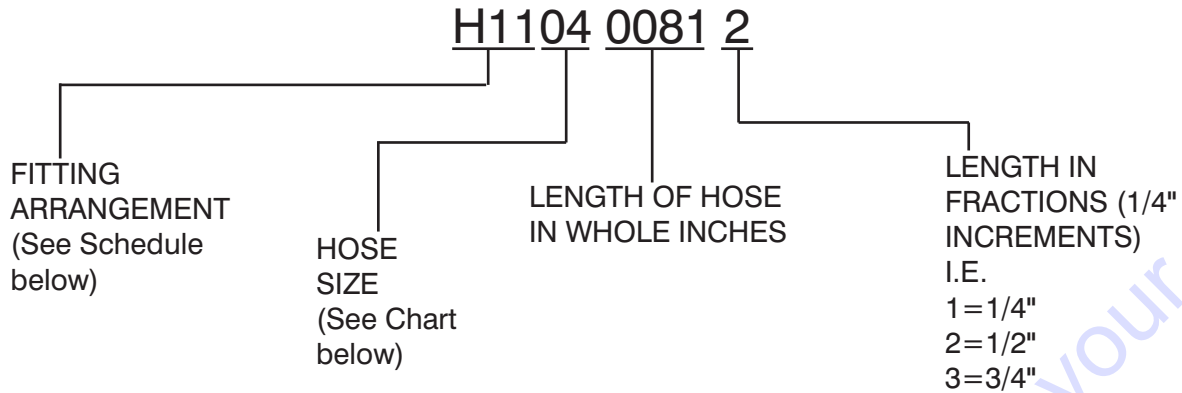
# Section 4 – Hose Connections

**4.1** *Standard Hose Numbering System*

**4.2** *Hydraulic Hoses*

Go to Discount-Equipment.com to order your parts

## 4.1 Standard Hose Numbering System



Using the number above as an example, H1104 0081 2, this hose requires a 37° JIC female swivel fitting on one end, and a medium length 90° JIC female swivel fitting for the other end. The hose must meet or exceed the S.A.E. 100R13 hose specification, and be a total of 81-1/2" long.



### NOTE

Hose ends and hose must be from same manufacturer per S.A.E. J1273 Nov. '91, Sections 3.10 and 4.2. Hose ends and hose must be of the same size i.e. #4 size fittings must be used with #4 size hose.

**Hose Size Chart**

Size	03	04	06	08	10	12	16	20	24	32	40	48	56	64
ID	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"

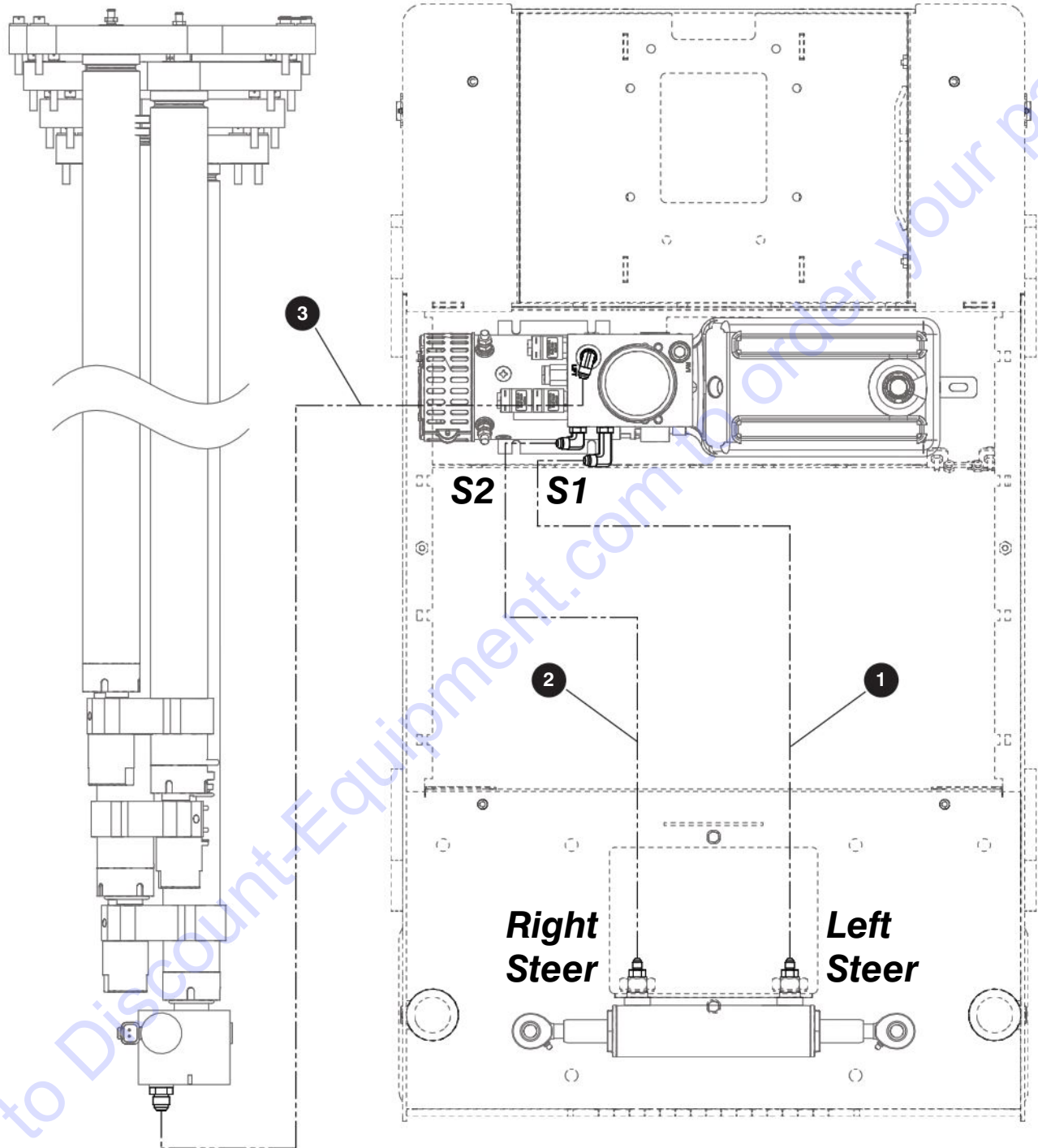
**Fitting Arrangement Schedule**

Hose Prefix	Hose End Fitting	Hose End Fitting	S.A.E. Hose Specification
H01	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H02	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R13
H03	FEMALE, 37° JIC, SWIVEL	45°, FEMALE, 37° JIC, SWIVEL	100R17
H04	FEMALE, 37° JIC, SWIVEL	45°, FEMALE, 37° JIC, SWIVEL	100R13
H05	FEMALE, 37° JIC, SWIVEL	LONG 90°, FEMALE, 37° JIC, SWIVEL	100R17
H06	FEMALE, 37° JIC, SWIVEL	SHORT 90°, FEMALE, 37° JIC, SWIVEL	100R17
H07	LONG 90°, FEMALE, 37° JIC, SWIVEL	LONG 90°, FEMALE, 37° JIC, SWIVEL	100R17
H08	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R4
H09	FEMALE, 37° JIC, SWIVEL	45°, FEMALE, 37° JIC, SWIVEL	100R4
H10	FEMALE, 37° JIC, SWIVEL	MALE PIPE THREAD FITTING	100R17
H11	FEMALE, 37° JIC, SWIVEL	MEDIUM 90°, FEMALE, 37° JIC, SWIVEL	100R13
H12	SHORT 90°, FEMALE, 37° JIC, SWIVEL	SHORT 90°, FEMALE, 37° JIC, SWIVEL	100R17
H13	FEMALE, 37° JIC, SWIVEL	REUSABLE MALE PIPE THREAD FITTING	300 PSI
H14	REUSABLE MALE PIPE THREAD FITTING	NO FITTING	300 PSI
H15	REUSABLE FEMALE, 37° JIC, SWIVEL	REUSABLE FEMALE, 37° JIC, SWIVEL	300 PSI
H16	NO FITTING	NO FITTING	100R4
H17	NO FITTING	NO FITTING	300 PSI
H18	REUSABLE, FEMALE, 37° JIC, SWIVEL	NO FITTING	300 PSI

## 4.1 Standard Hose Numbering System

Hose Prefix	Hose End Fitting	Hose End Fitting	S.A.E. Hose Specification
H19	LONG 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R13
H20	FEMALE, SHORT 37° JIC, SWIVEL	SHORT 90°, FEMALE, 37° JIC, SWIVEL	100R4
H21	FEMALE, SHORT 37° JIC, SWIVEL	SHORT 90°, FEMALE, 37° JIC, SWIVEL	100R2AT
H22	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R2AT
H23	FEMALE, LONG 37° JIC, SWIVEL	LONG 90°, FEMALE, 37° JIC, SWIVEL	100R2AT
H24	FEMALE, SHORT 37° JIC, SWIVEL	SHORT 90°, FEMALE, 37° JIC, SWIVEL	100R13
H25	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R4
H30	MEDIUM 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H31	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H32	SHORT 45°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H33	MEDIUM 45°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H34	SHORT 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H35	MEDIUM 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H36	LONG 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H37	SHORT 45°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R4
H38	SHORT 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R4
H39	LONG 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R4
H40	SHORT 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R16
H43	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R16
H51	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H52	SHORT 45°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H53	MEDIUM 45°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H54	SHORT 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H55	MEDIUM 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H56	LONG 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H57	SHORT 45°, FEMALE, SAE ORFS, SWIVEL	FEMALE, SAE ORFS, SWIVEL	100R13
H58	FEMALE, SAE ORFS, SWIVEL	FEMALE, SAE ORFS, SWIVEL	100R13
H59	MEDIUM 90°, FEMALE, SAE ORFS, SWIVEL	FEMALE, SAE ORFS, SWIVEL	100R13
H60	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H61	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R16
H62	SHORT 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R16
H63	MEDIUM 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R16
H64	LONG 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R16
H65	MEDIUM 67°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R12
H66	FEMALE, 37° JIC, SWIVEL	NO FITTING	100R4
H67	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R19
H68	SHORT 45°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R19
H69	MEDIUM 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R19
H70	LONG 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R19
H71	LONG 90°, FEMALE, SAE ORFS, SWIVEL	FEMALE, SAE ORFS, SWIVEL	100R15

## 4.2 Hydraulic Hoses



M234628AA

238885AAA



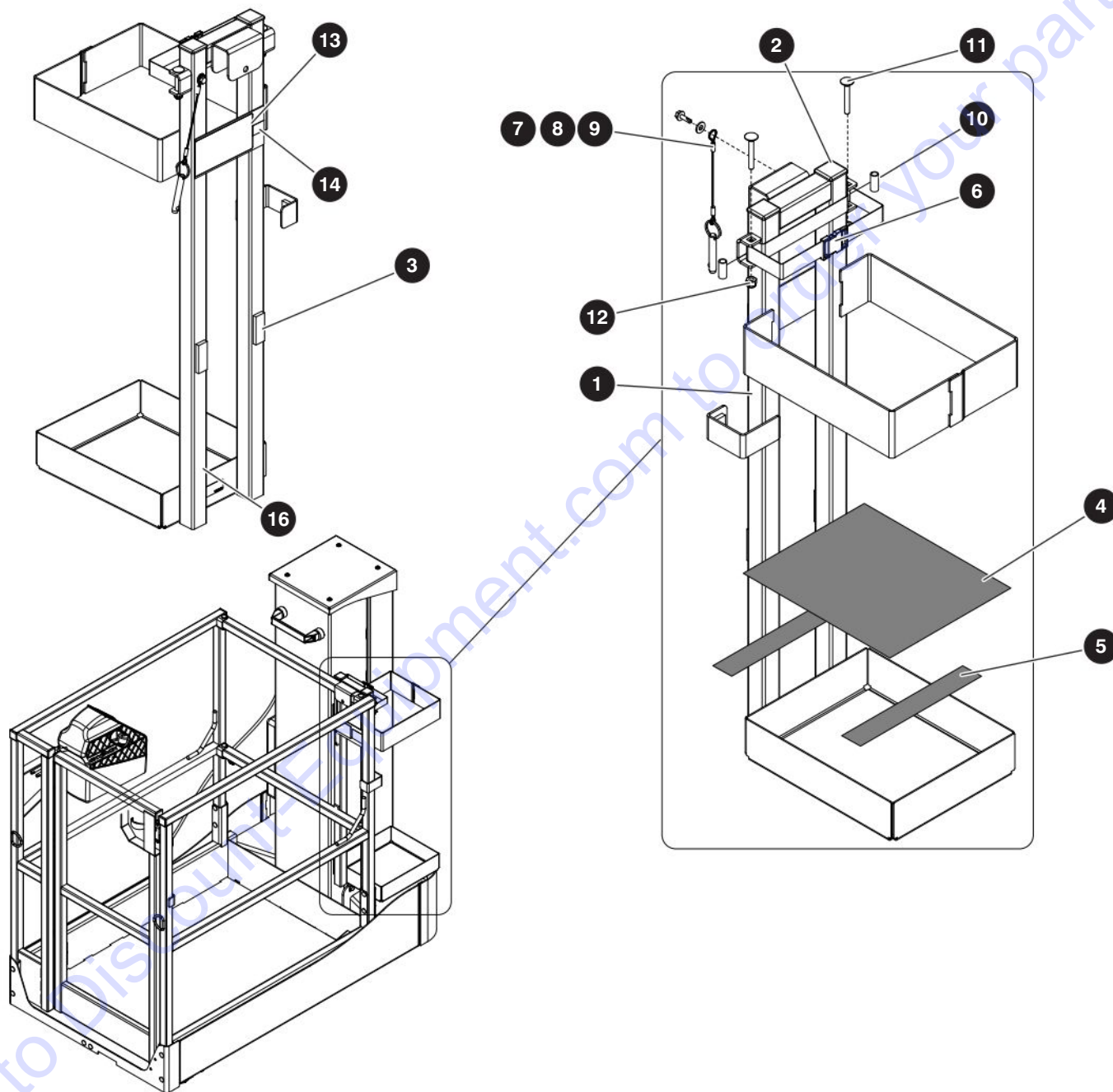
## 4.2 Hydraulic Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	234628	HOSE GROUP			
1	H360600430	Steer Cylinder	Left	S1	PMU
2	H340600370	Steer Cylinder	Right	S2	PMU
3	H340600270	Lift Cylinder		Lift	PMU
Index No.	Skyjack Part No.	Qty.	Description		

## Section 5 – Attachments and Options

- 5.1 *Tube Caddy*
- 5.2 *Light Duty Pipe Rack*
- 5.3 *Tool Tray*
- 5.4 *Saloon Gate Kit*
- 5.5 *Half Gate Kit*
- 5.6 *Dual Flashing Light Kit*
- 5.7 *EcoTray Kit*
- 5.8 *Outdoor Option Kit*

## 5.1 Tube Caddy



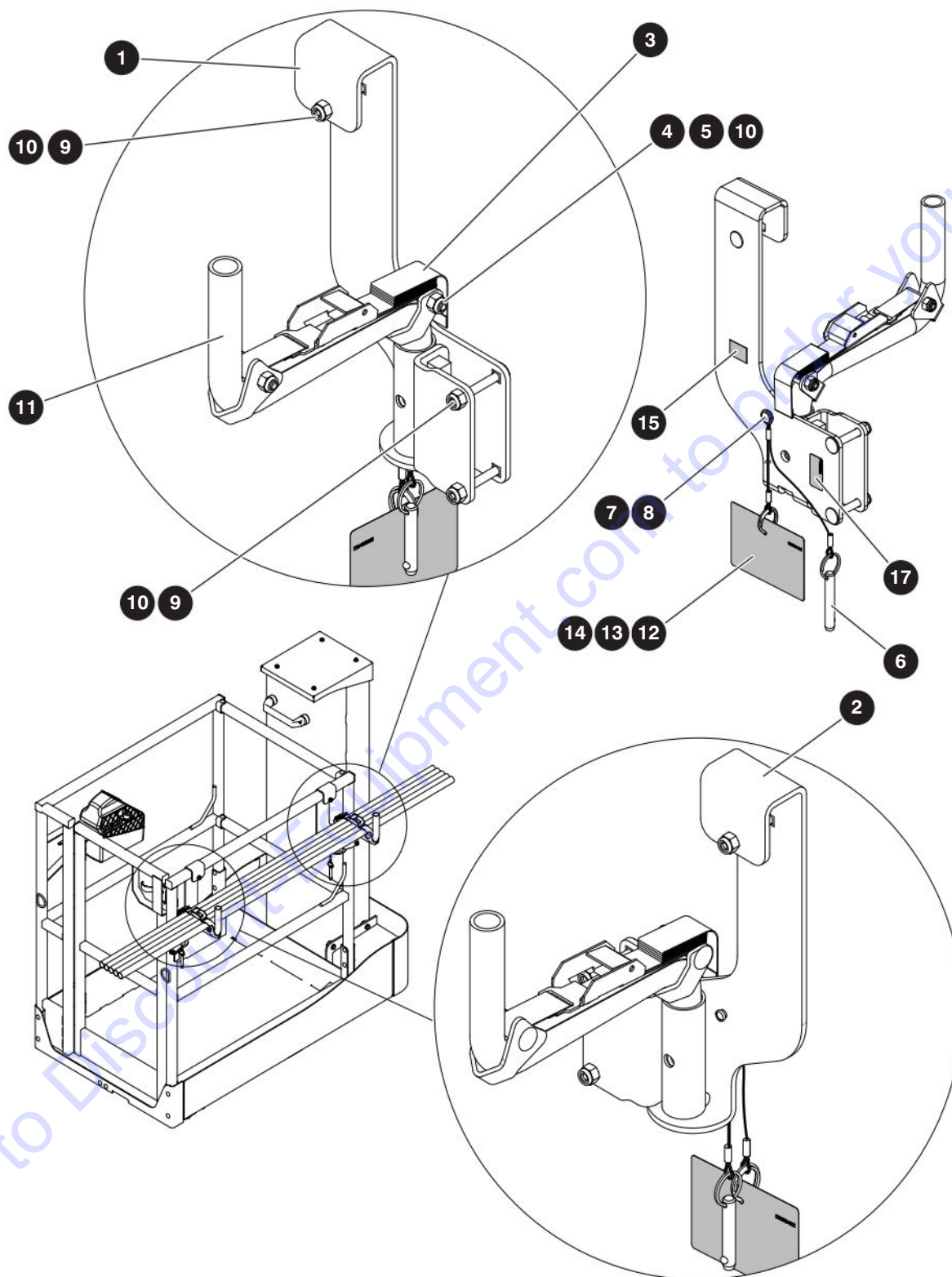
M223575AA

238885AAA

## 5.1 Tube Caddy

Index No.	Skyjack Part No.	Qty.	Description
-	223575	1	TUBE CADDY KIT
-	158363	1	• TUBE CADDY ASSEMBLY
1	158372	1	• • TUBE CADDY
2	100702	2	• • CAP, End
3	125577	3	• • BUMPER, Door
4	158334	1	• • SHEET, Rubber (0.125" x 8.5" x 10.25")
5	158843	16"	• • TAPE, Adhesive transfer (3/4")
6	158358	1	• • STRAP, Nylon with buckle
7	124548	1	• • PIN, Quick release
8	103995	1	• • WASHER, Flat (1/4")
9	103632	1	• • SCREW, Hex head self tapping (1/4"-14 x 3/4")
10	158381	2	• • SPACER, Stand off (5/16 ID x 1" LG)
11	127437	2	• • BOLT, Carriage (5/16 -18 x 2 Grade 5)
12	103984	2	• • NUT, Hex nylon lock (5/16 -18 Grade 5)
-	223576	1	• TUBE CADDY LABEL SUBGROUP
13	216558	1	• • LABEL, Tube Caddy Capacity
14	172428	1	• • LABEL, CE mark
-	223577	1	• TUBE CADDY MANUAL SUBGROUP
15	223582	1	• • INSTRUCTION, Tube Caddy (not shown)
16	(Ref.)	1	• LABEL, Accessoryzers template kit number

## 5.2 Light Duty Pipe Rack



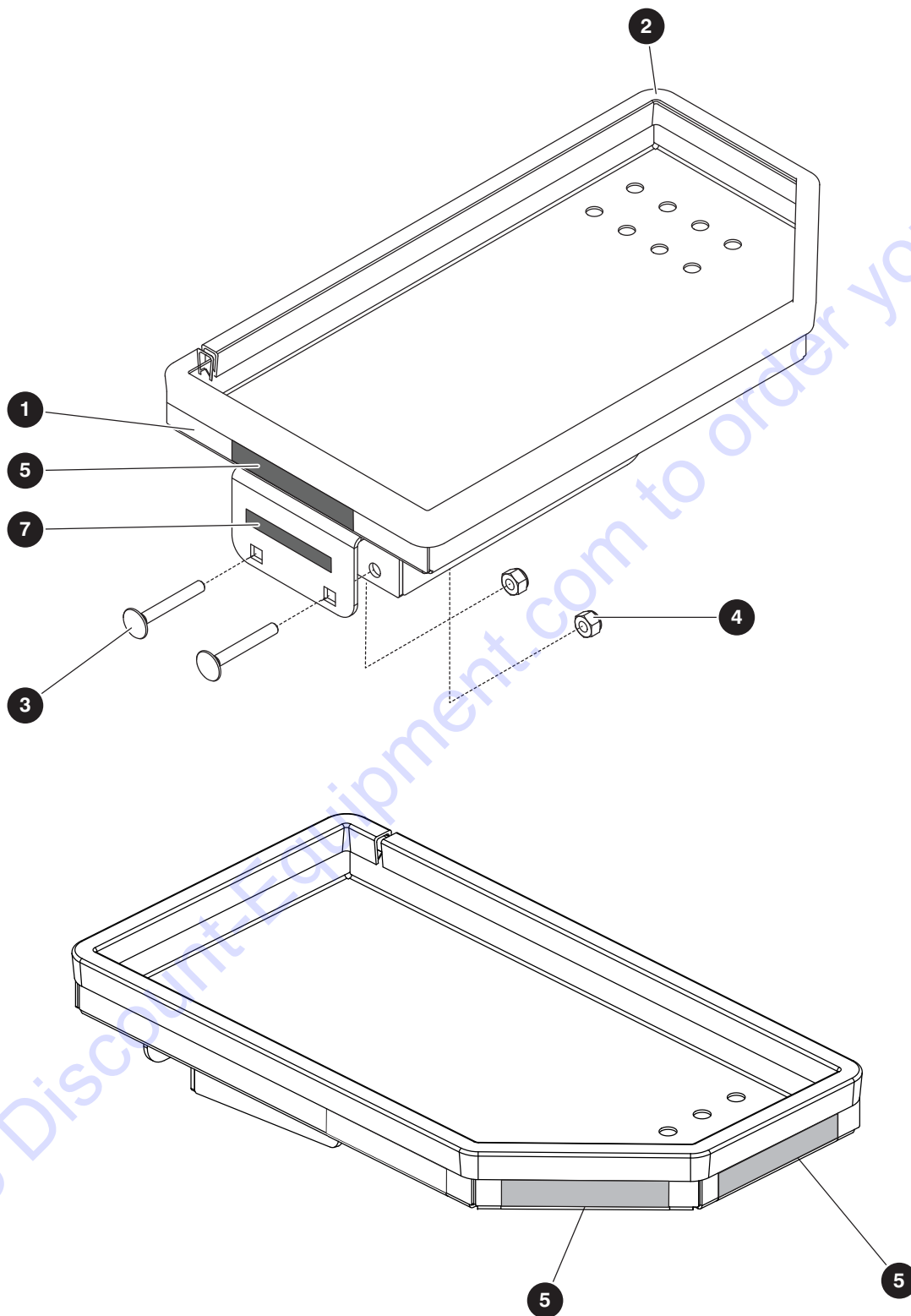
M223586AA

238885AAA

## 5.2 Light Duty Pipe Rack

Index No.	Skyjack Part No.	Qty.	Description
-	223586	1	PIPE RACK KIT
<b>A</b>	157408	1	• BRACKET, Pipe rack - right side
<b>B</b>	158343	1	• BRACKET, Pipe rack - left side
1	157404	1	• • PIPE RACK, Right side ( <b>A</b> )
2	158344	1	• • PIPE RACK, Left side ( <b>B</b> )
3	158357	2	• • STRAP, Nylon tie down flat hook
4	158381	4	• • SPACER, Stand off (5/16" ID x 1" LG)
5	158380	4	• • BOLT, Carriage (5/16" - 18 x 1.75" grd5)
6	124548	2	• • PIN, Quick release
7	103995	2	• • WASHER, Flat (1/4")
8	157173	2	• • RIVET (1/4"x 0.49")
9	127437	6	• • BOLT, Carriage (5/16"-18 x 2", Grade 5)
10	103984	10	• • NUT, Hex nylon lock (5/16"-18, Grade 5)
11	157405	2	• • TUBE, Pipe rack
-	223587	1	• PIPE RACK LABEL SUBGROUP
12	223585	2	• • LABEL, Pipe rack capacity
13	105807	2	• • LANYARD, 6"
14	160320	2	• • RING, Lanyard
15	172428	2	• • LABEL, CE mark
-	223588	1	• PIPE RACK MANUAL SUBGROUP
16	223589	1	• • INSTRUCTION, Pipe rack installation (not shown)
17	(Ref.)	1	• LABEL, Accessoryzers template kit number

## 5.3 Tool Tray



M67029AA\_1\_M158805AB

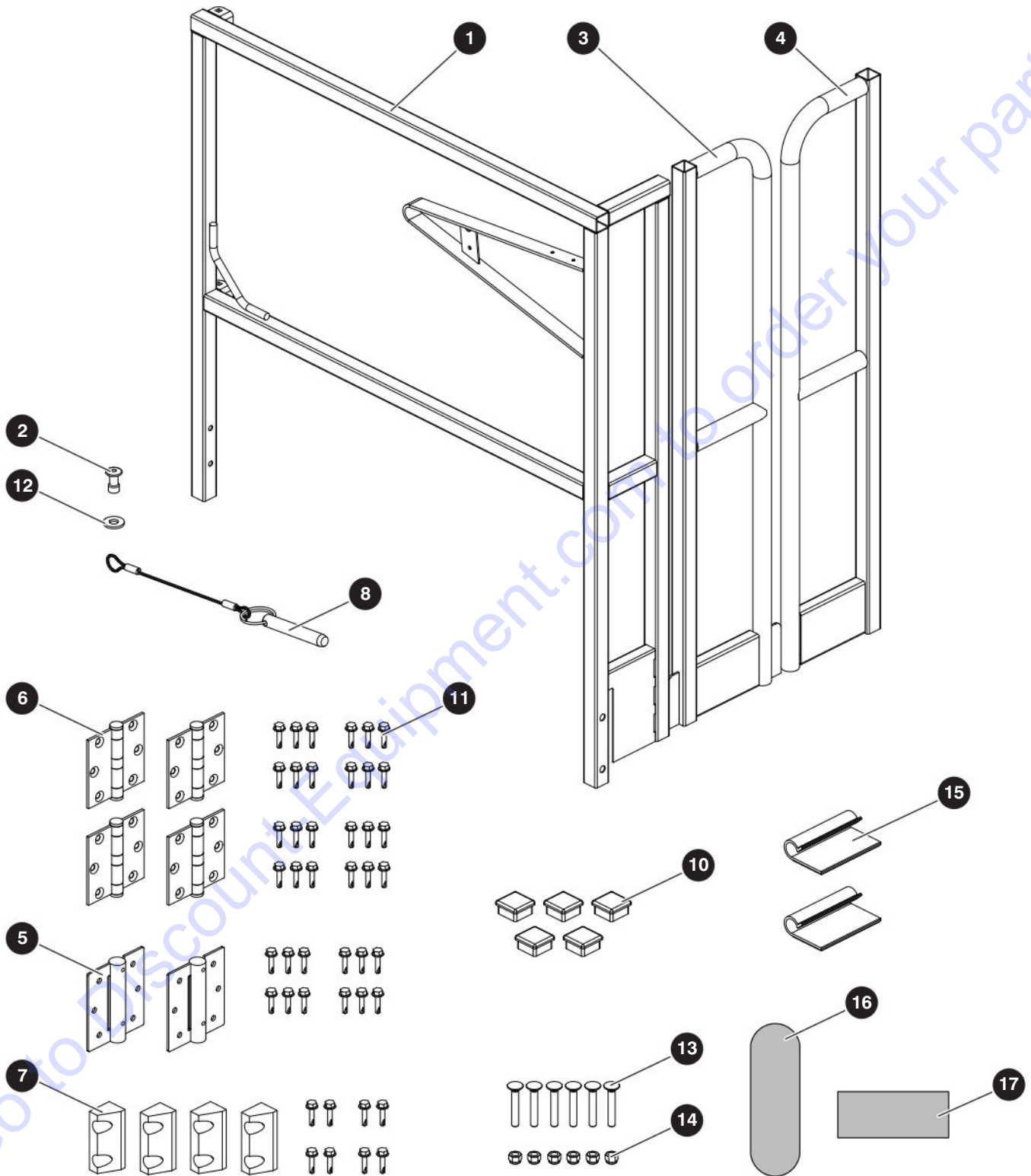
238885AAA

## 5.3 Tool Tray

Index No.	Skyjack Part No.	Qty.	Description
-	223578	1	TOOL TRAY KIT
-	223579	1	• TOOL TRAY ASSEMBLY
1	158371	1	• • TRAY, Tool
2	117398	44"	• • PROTECTIVE TRIM (3/16"-1/4")
3	127437	2	• • BOLT, Carriage (5/16"-18 x 2", Grade 5)
4	103984	2	• • NUT, Hex nylon lock (5/16"-18, Grade 5)
-	223580	1	• TOOL TRAY LABEL SUBGROUP
5	173039	3	• • LABEL, Capacity
-	223581	1	• TOOL TRAY MANUAL ASSEMBLY
6	223584	1	• • INSTRUCTION, Tool tray installation (not shown)
7	(Ref.)	1	• LABEL, Accessoryzers template kit number



## 5.4 Saloon Gate Kit



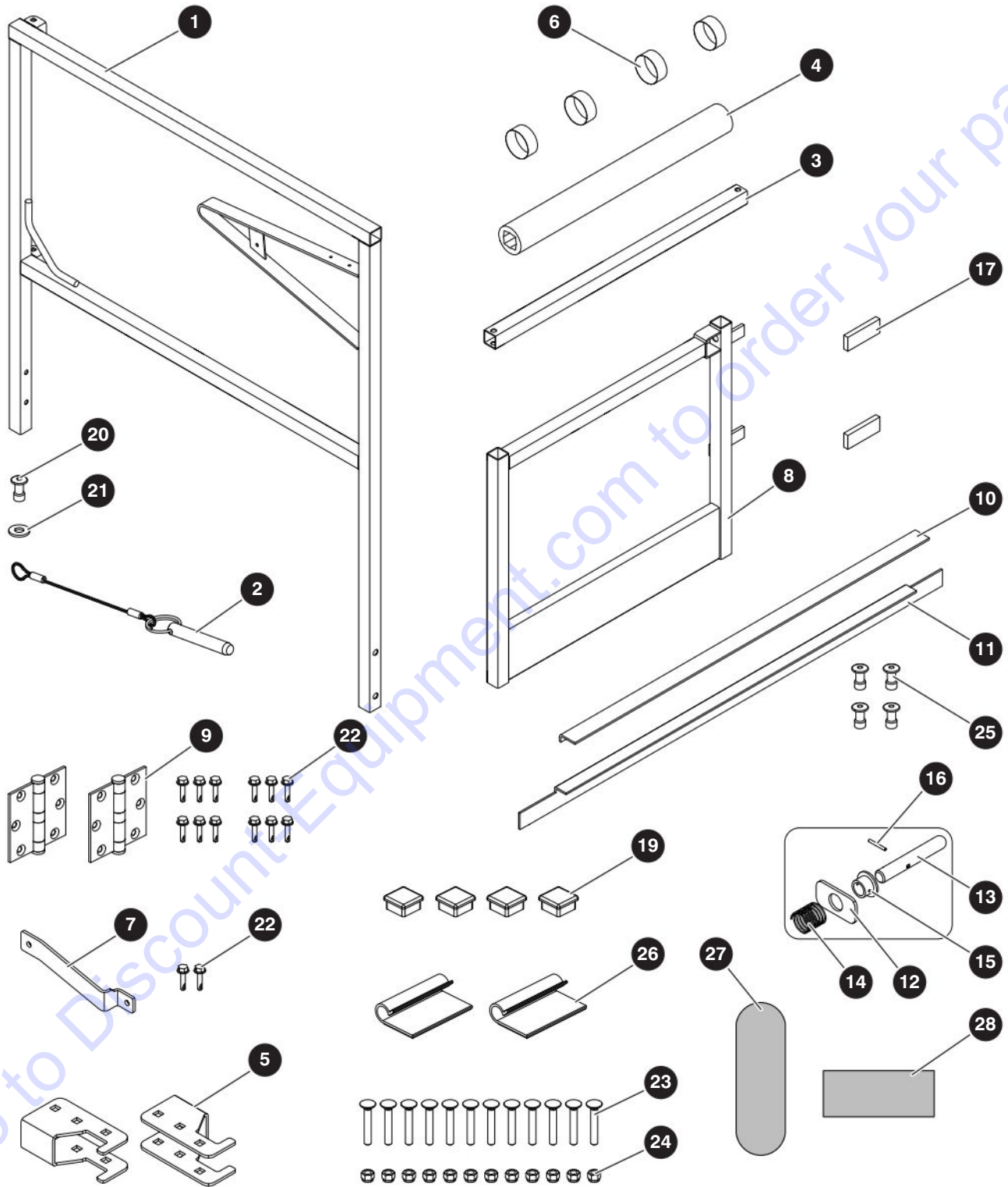
M234682AA

238885AAA

## 5.4 Saloon Gate Kit

Index No.	Skyjack Part No.	Qty.	Description
-	234681	1	SALOON GATE FIELD KIT
1	234144	1	• RAILINGS, Control Box Side - Right Hand
2	157173	1	• RIVET, Pop (1/4" x 0.490" AL SM FLG GM HD O-END)
3	158793	1	• GATE, Saloon - Control Box Side
4	158792	1	• GATE, Saloon
5	209527	2	• SPRING HINGE
6	136176	4	• BUTT HINGE
7	158811	4	• GATE STOP, Saloon Gate
8	216212	1	• PIN ASM, Quick Release - Large Loop
9	234683	1	• INSTRUCTIONS, Saloon Gate - VM (Not Shown)
10	100702	5	• PLUG, Plastic Tube (1-1/4" X 1-1/4")
11	112329	44	• BOLT, Self-tapping (1/4"-14 x 1")
12	103995	1	• WASHER, Flat (1/4")
13	127437	6	• BOLT, Carriage (5/16"-18 x 2" Gr. 5)
14	103984	6	• NUT, Nylon Lock - 5/16"-18 Gr. 5
15	108791	2	• CLIP, Cord Adhesive
16	172646	1	• LABEL, Anchorage Harness
17	172632	1	• LABEL, Control Box Location

## 5.5 Half Gate Kit



M69192AA

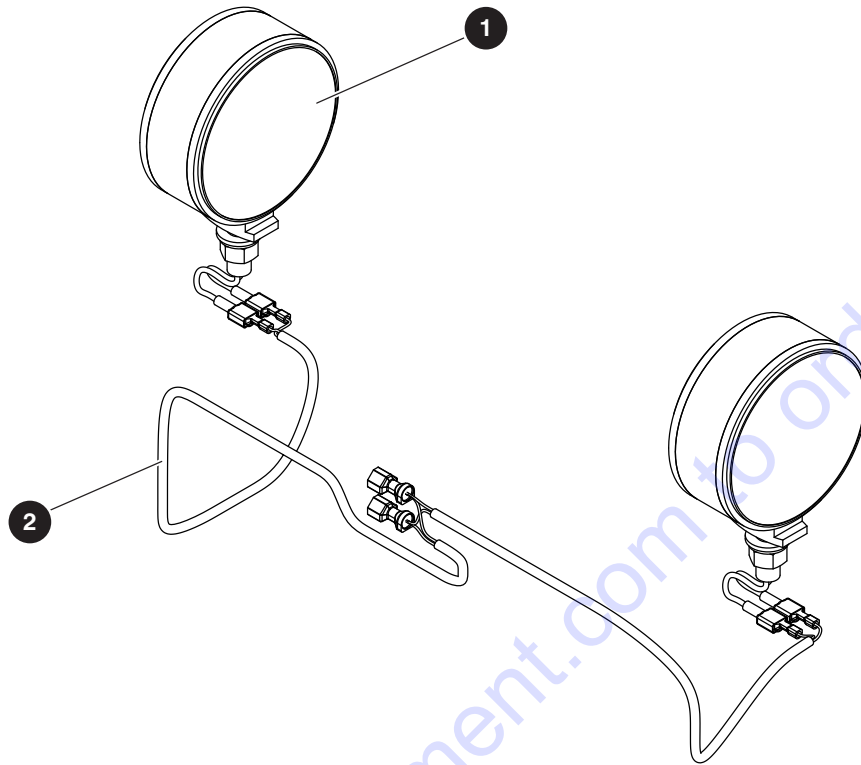
238885AAA

SJ20

## 5.5 Half Gate Kit

Index No.	Skyjack Part No.	Qty.	Description
-	234684	1	HALF GATE KIT
1	234145	1	• RAILINGS, Right Hand - Control Box Side
2	216212	1	• PIN ASM, Quick Release - Large Loop
3	151478	1	• TUBE, Square (1-1/4" x 0.083" x 26-3/4")
4	125691	1	• PADDING, Entry Rail
5	156486	2	• MOUNT, Top Bar
6	119803ZZ	32"	• TAPE, Caution (1")
7	230100	1	• STRIKER
8	226475	1	• GATE, Half Gate - Lower
9	209527	2	• SPRING HINGE
10	119942	1	• PLATE, Gate Clamp
11	119940	1	• STRIP, Rubber
12	105307	1	• PLATE, Gate Latch Release
13	109377	1	• PIN, Latch
14	103107	1	• SPRING, Compression
15	105312	1	• Latch, Nylon Bed
16	100950	1	• PIN, Roll - 1/8" x 1"
17	103628	4	• RUBBER, Self-Seal
18	234686	1	• INSTRUCTIONS, Half Gate - SJ20 (Not shown)
19	100702	4	• PLUG, Plastic Tube - 1-1/4" X 1-1/4"
20	157173	1	• RIVET, Pop (1/4" x 0.490" AL SM FLG GM HD O-END)
21	103995	1	• WASHER, Flat (1/4")
22	112329	14	• BOLT, Self Tapping - 1/4"-14 x 1"
23	127437	12	• BOLT, Carriage (5/16"-18 x 2" Gr. 5)
24	103984	12	• NUT, Nylon Lock - 5/16"-18 Gr. 5
25	119945	4	• RIVET, Pop (1/8" x 0.390" - AL LG FLG HD O-END)
26	108791	2	• CLIP, Cord Adhesive
27	172646	1	• LABEL, Anchorage Harness
28	172632	1	• LABEL, Control Box Location

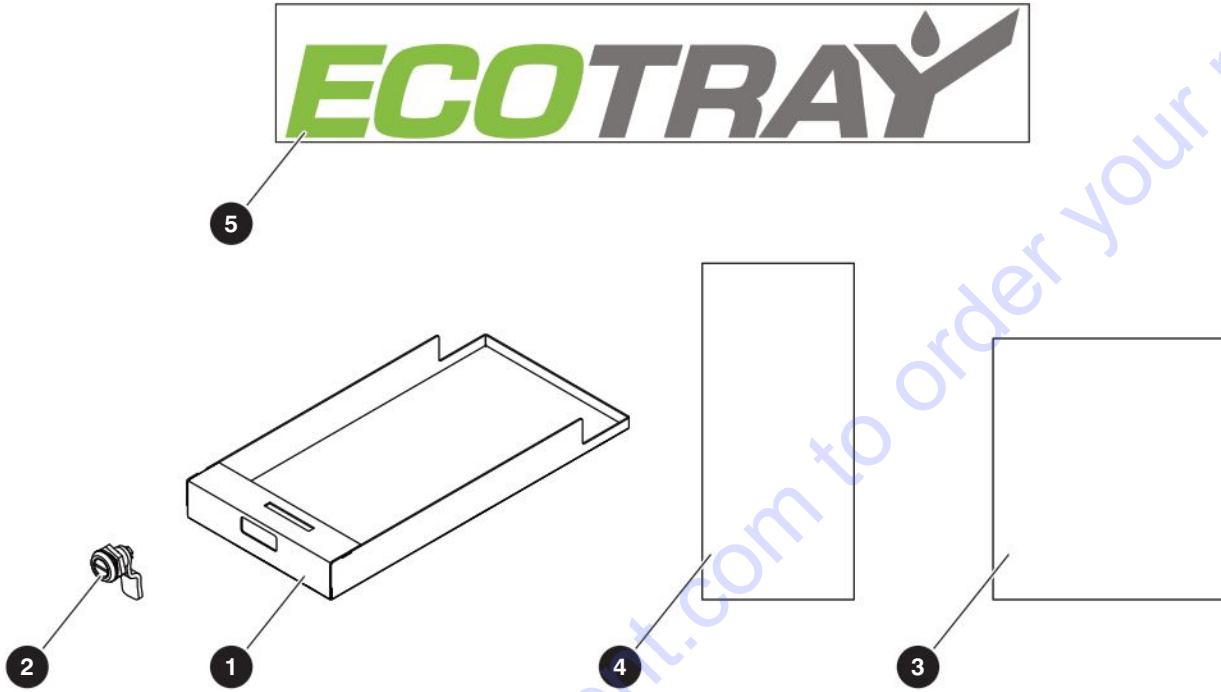
## 5.6 Dual Flashing Light Kit



M234687AA

Index No.	Skyjack Part No.	Qty.	Description
-	234687	1	DUAL FLASHING LIGHT FIELD KIT
1	216142	2	• LAMP, LED - Amber
	212730	1	• • LED LAMP
	(Ref.)	1	• • WASHER, Flat
	(Ref.)	1	• • WASHER, Lock
	(Ref.)	1	• • NUT
2	234263	1	• HARNESS, Dual Flashing Light
3	234689	1	• INSTRUCTIONS, FLASHING LIGHTS - SJ20 (Not shown)

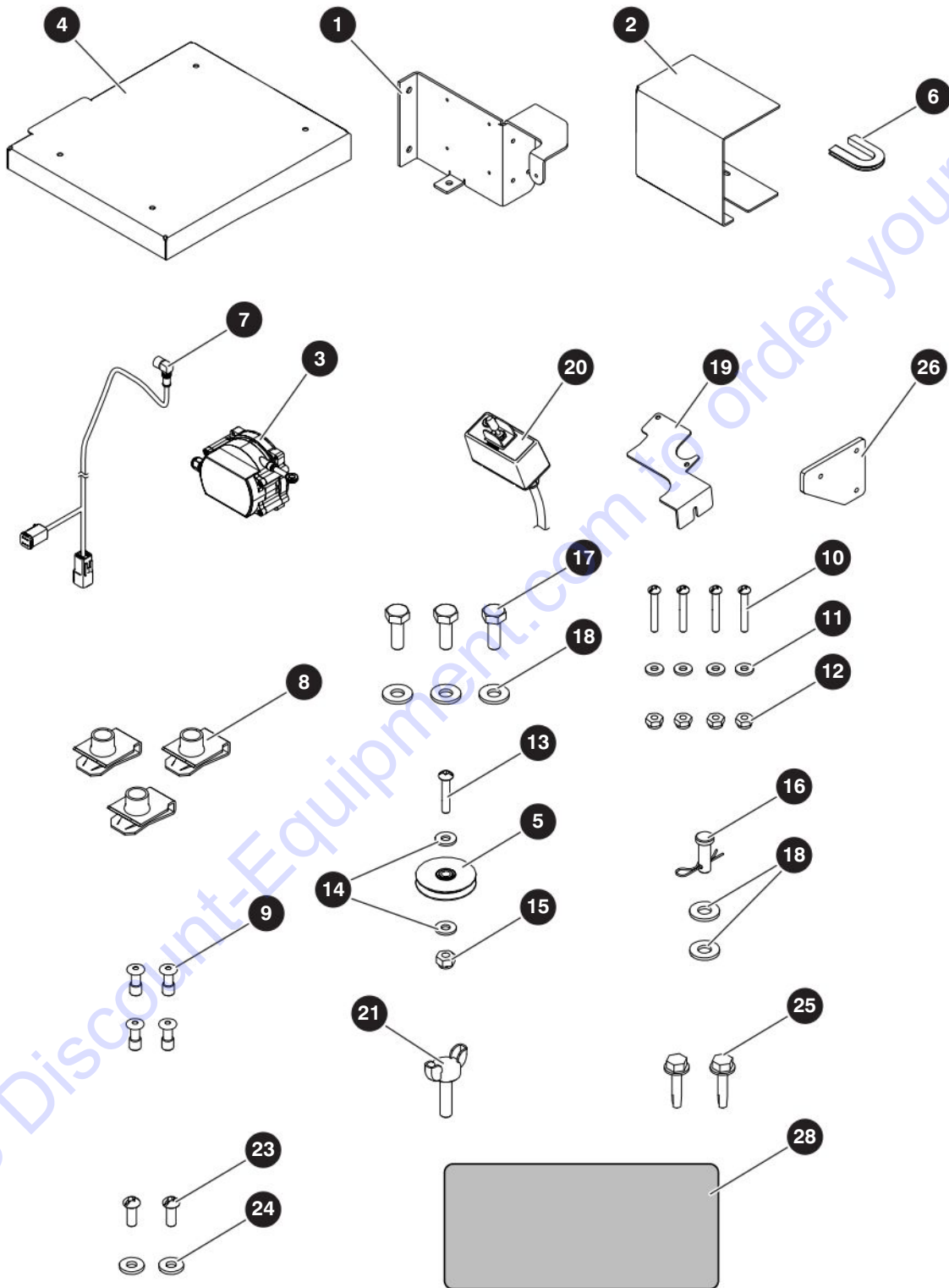
## 5.7 EcoTray Kit



M234673AA

Index No.	Skyjack Part No.	Qty.	Description
-	234673	1	ECOTRAY FIELD KIT
1	234528	1	• PLATE, EcoTray
2	138715	1	• LATCH, Slotted Door
3	234598	1	• PAD, Absorbent (15" x 11")
4	234599	1	• PAD, Absorbent (16-1/2" x 8")
5	173875	1	• LABEL, EcoTray
6	238881	1	• INSTRUCTIONS, EcoTray (Not shown)

## 5.8 Outdoor Option Kit



M234695AA

238885AAA

SJ20

## 5.8 Outdoor Option Kit

Index No.	Skyjack Part No.	Qty.	Description
-	234695	1	OUTDOOR OPTION FIELD KIT
1	234635	1	• BRACKET, String potentiometer mount
2	234636	1	• COVER, String potentiometer
3	234625	1	• STRING POT, 6.0M
4	234624	1	• COVER, Mast - Outdoor option
5	234259	1	• PULLEY (1-1/16" x 3/16" ID x 1-1/4" OD)
6	117398	5	• PROTECTIVE TRIM (3/16"-1/4")
7	234266	1	• CABLE, Outdoor option - SJ20
8	149496	3	• NUT, Speed clip (1/4"-20 x 1/2" OL)
9	157759	4	• POP RIVET (3/16" X 0.565" STL SM FLG DM HD O-END)
10	103956	4	• SCREW, Round head machine (#6-32 x 1")
11	191833	4	• WASHER, Flat (#6)
12	196306	4	• NUT, Nylon lock (#6-32 Gr. 5)
13	126499	1	• SCREW, Round head machine (#8-32 x 7/8")
14	103991	2	• WASHER, Flat (#8)
15	138765	1	• NUT, Nylon lock (#8-32 Gr. 5 Zinc)
16	234629	1	• CLEVIS PIN, With cotter pin (1/4" x 9/16")
17	103856	3	• BOLT, Hex Head Zinc (1/4"-20 x 3/4" Gr. 5)
18	103995	5	• WASHER, Flat (1/4")
19	228887	1	• BRACKET, Outdoor switch
20	234280	1	• OUTDOOR SWITCH
21	207242	1	• SCREW, Wing (1/4"-20 x 1")
22	115649	1	• NUT, Nylon Lock (1/4"-20 Gr. 5)
23	103960	2	• SCREW, Round head machine (#10-24 x 1/2")
24	104694	2	• WASHER, Flat - #10
25	112329	2	• BOLT, Self Tapping (1/4"-14 x 1")
26	228886	1	• MOUNT, Outdoor switch
27	234697	1	• INSTRUCTIONS, Outdoor option - SJ20 (Not shown)



# Section 6 – Labels

- 6.1** *Label Kits*
- 6.2** *Labels - Rear View*
- 6.3** *Labels - Sides*
- 6.4** *Labels - Front*
- 6.5** *Labels - Platform Control*
- 6.6** *Labels - Miscellaneous*

## 6.1 Label Kits

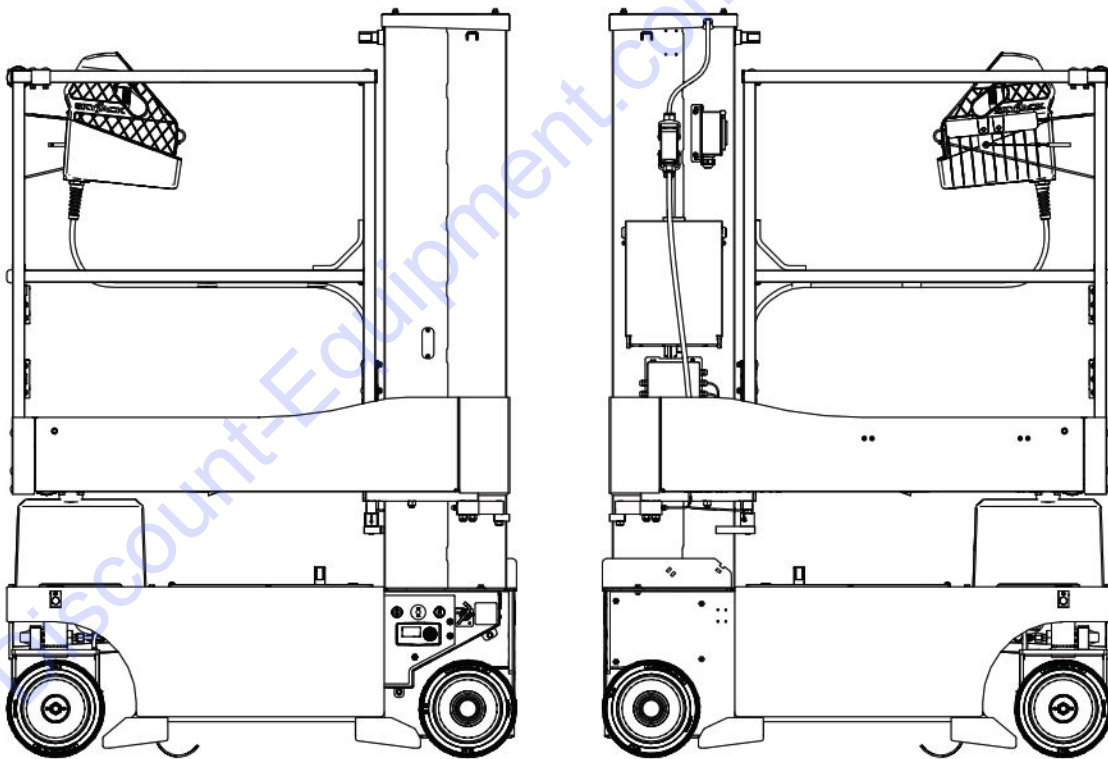
The following label kits contain all of the labels required for a complete standard machine, with the exception of:

- Serial number plates
- Region specific labels
- Wheel loads
- Platform capacities

Contact Discount-equipment to order those labels individually.

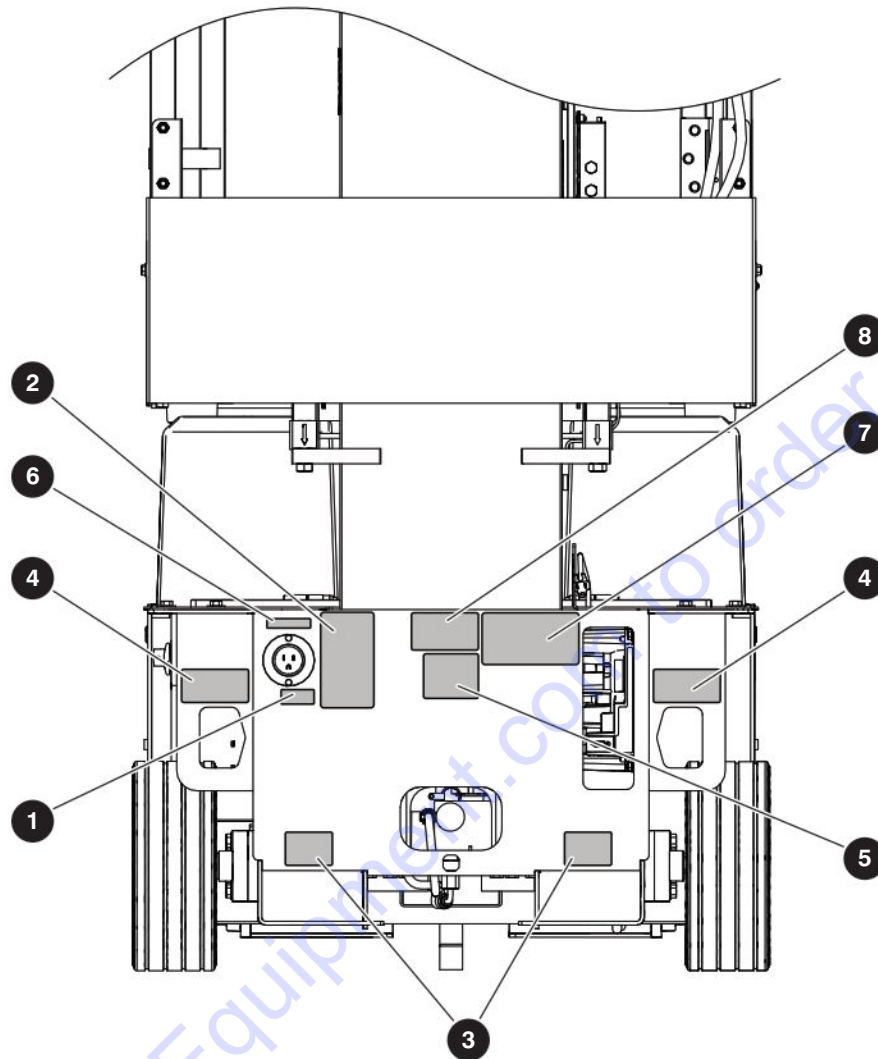
Supply the model number, country and language when ordering label kits.

Label Kit	
Model	Kit Number
SJ20	238892



**SKYJACK**<sup>TM</sup>

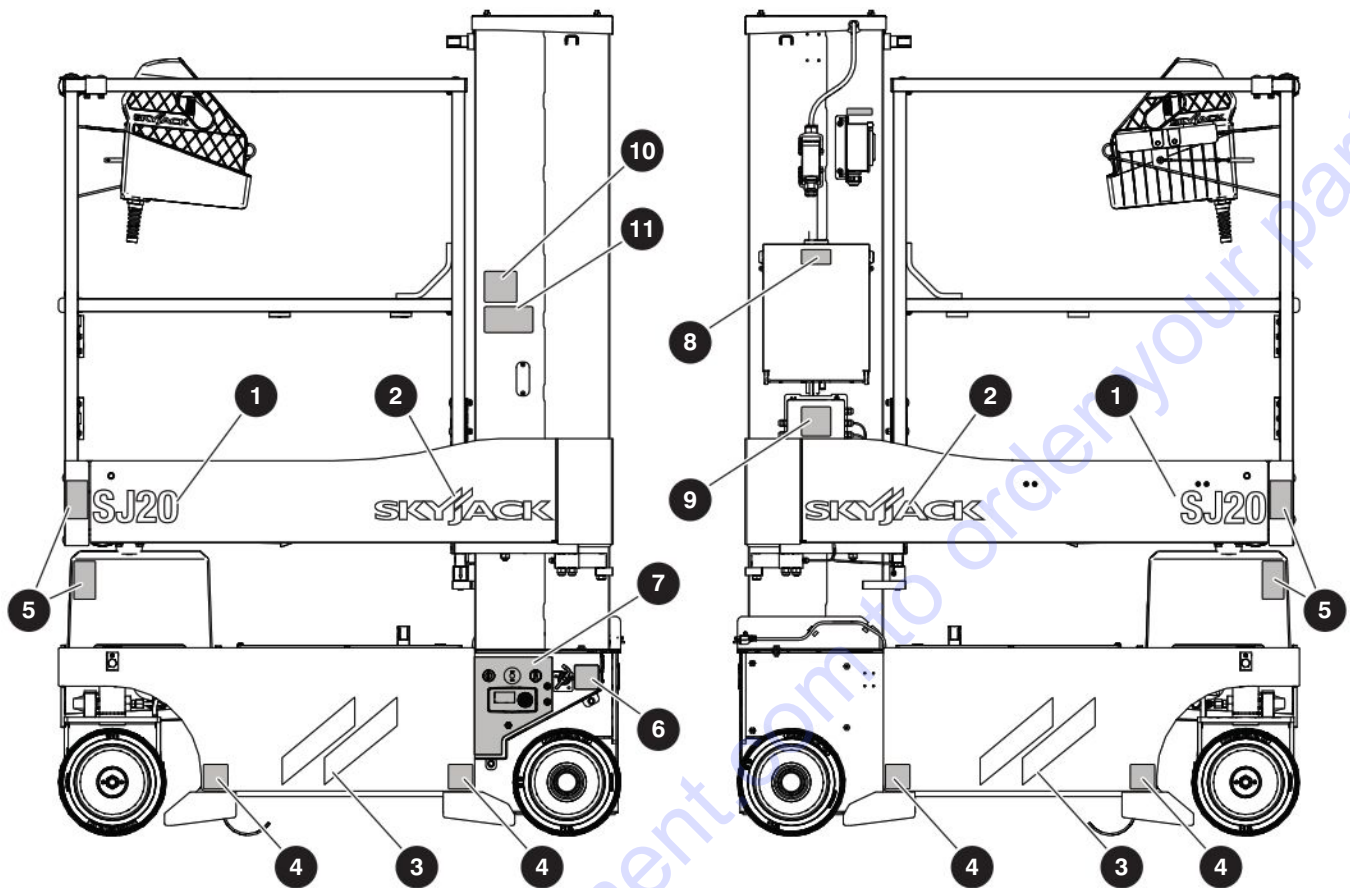
## 6.2 Labels - Rear View



M230761AA\_Rear

Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	1	• LABEL, Manufactured month/year (Contact Discount-equipment)
2	(Ref.)	1	• LABEL, Serial nameplate (Contact Discount-equipment)
3	102896	2	• LABEL, Forklift boot
4	124767	2	• LABEL, Lift point/Tie down
5	172939	1	• LABEL, Emergency lowering information
6	138211	1	• LABEL, Connect AC supply
7	173237	1	• LABEL, Emergency lowering instruction
8	137988	1	• LABEL, Warning crush/pinch hazard

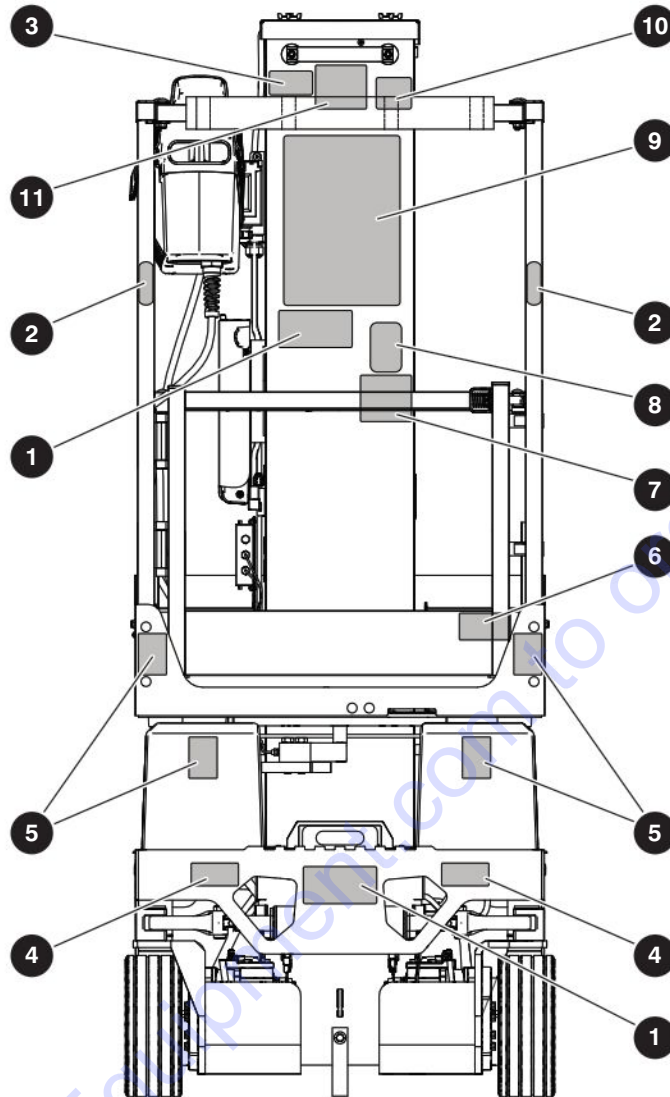
## 6.3 Labels - Sides



M230761AA\_Sides

Index No.	Skyjack Part No.	Qty.	Description
1	230747	2	• LABEL, SJ20
2	158536	2	• LABEL, Skyjack logo white (17")
3	230750	2	• LABEL, Talon mark (8")
4	230754	4	• LABEL, Wheel load 426 kg/ 940 lb
5	223639	4	• LABEL, Warning crush/pinch hazard
6	119674	1	• LABEL, Battery disconnect switch
7	230744	1	• LABEL, Base control
8	123628	1	• LABEL, Manual box
9	139457	1	• LABEL, Do not use pressure washers
10	172695	1	• LABEL, Warning annual inspection
11	172656	1	• LABEL, Annual inspection pictorial

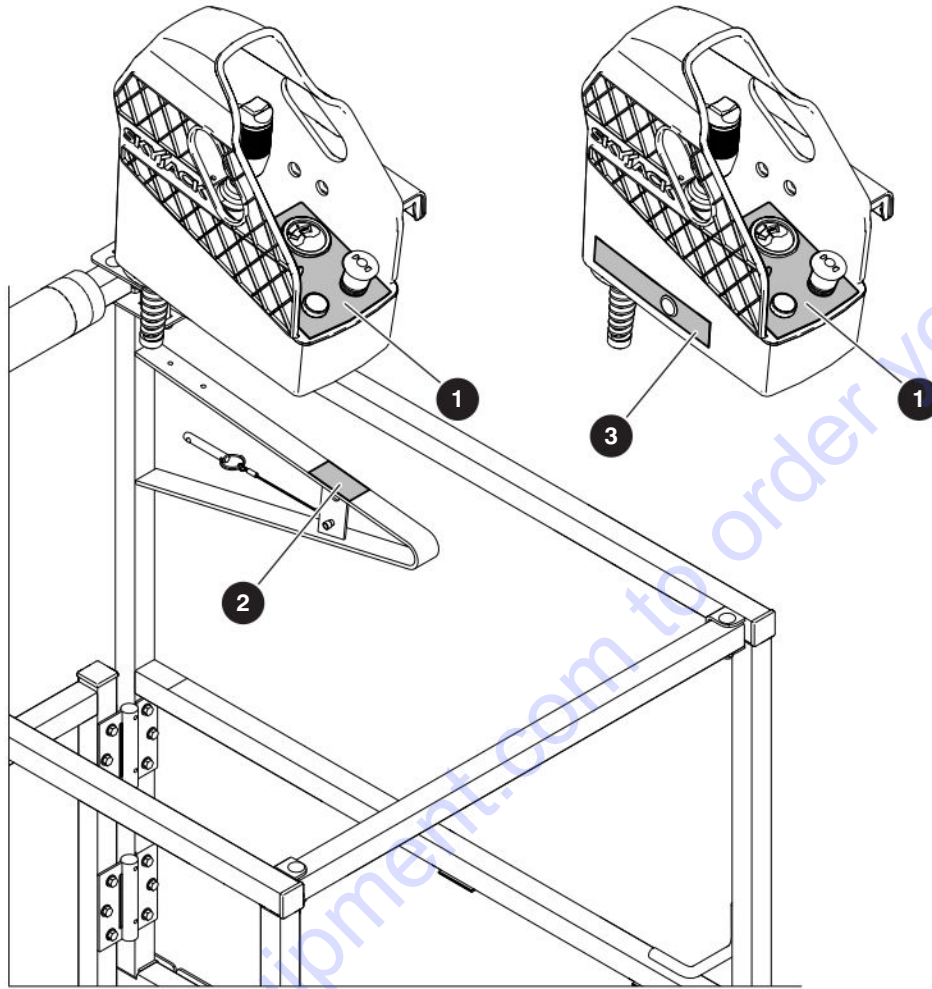
## 6.4 Labels - Front



M230761AA\_Front

Index No.	Skyjack Part No.	Qty.	Description
1	230751	2	• LABEL, Platform capacity 159 kg/350 lb 1P indoor
2	172646	2	• LABEL, Harness anchorage
3	173081	1	• LABEL, Warning california proposition 65
4	124767	2	• LABEL, Lift point/tie down
5	230749	4	• LABEL, Warning crush/pinch hazard
6	157012	1	• LABEL, Traverse
7	172693	1	• LABEL, Non-insulated
8	156436	1	• LABEL, Daily check pictorial
9	173235	1	• LABEL, Warning hazard
10	124362	1	• LABEL, Warning do not wear jewelry
11	172804	1	• LABEL, Mast inspection

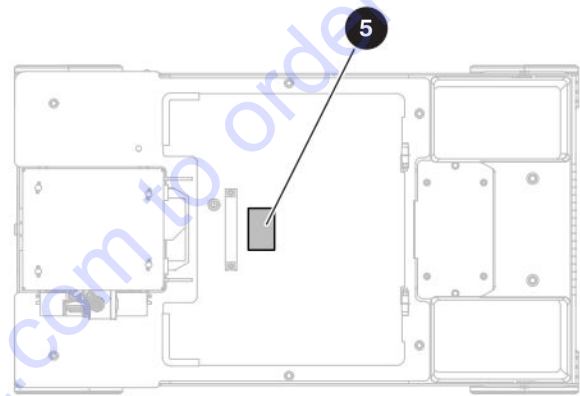
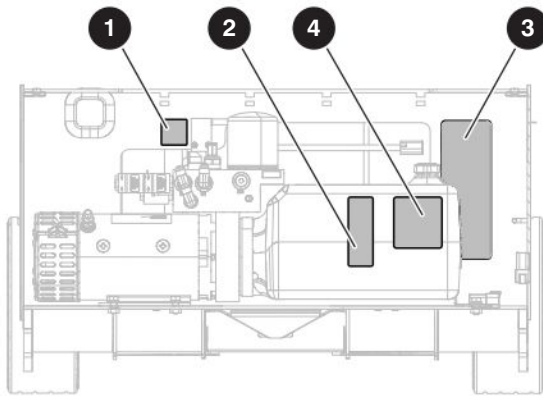
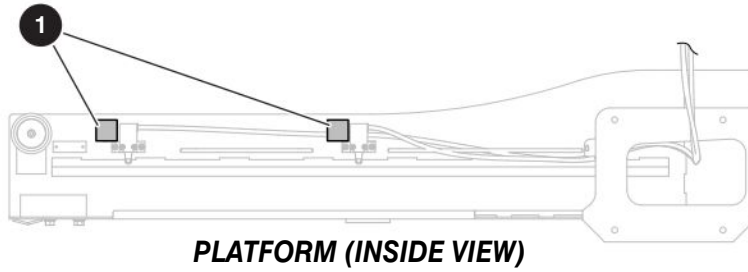
## 6.5 Labels - Platform Control



M230761AA\_PlatformControls

Index No.	Skyjack Part No.	Qty.	Description
1	230746	1	<ul style="list-style-type: none"> <li>• LABEL, SJ20 Platform controls</li> </ul>
2	172632	1	<ul style="list-style-type: none"> <li>• LABEL, Control box location</li> </ul>
3	172788	1	<ul style="list-style-type: none"> <li>• LABEL, SGLE Enable</li> </ul>

## 6.6 Labels - Miscellaneous



M230761AA\_Misc

Index No.	Skyjack Part No.	Qty.	Description
1	156613	3	<ul style="list-style-type: none"> <li>LABEL, Do not alter limit switches</li> </ul>
2	173880	1	<ul style="list-style-type: none"> <li>LABEL, Hydraulic oil level (Min/Max)</li> </ul>
3	156612	1	<ul style="list-style-type: none"> <li>LABEL, Maintenance switch</li> </ul>
4	102961	1	<ul style="list-style-type: none"> <li>LABEL, ATF Dexron III</li> </ul>
5	157011	1	<ul style="list-style-type: none"> <li>LABEL, Do not open with platform elevated</li> </ul>

# PARTS FINDER

**Search Website  
by Part Number**



**Search Manual  
Library For Parts  
Manual & Lookup Part  
Numbers – Purchase  
or Request Quote**

**Search Manuals**

Enter your information to help us find the right parts manual for your equipment.

\* Brand:

\* Model:

\* Serial:

\* Part Number:

SEARCH

**Can't Find Part or  
Manual? Request Help  
by Manufacturer,  
Model & Description**

**Parts Order Form**

Please fill in the following information to help us find the right part for your equipment.

MANUFACTURER:

MODEL:

DESCRIPTION:

DATE:

TIME:

PHONE:

EMAIL:

ADDRESS:

CITY:

STATE:

ZIP:

COUNTRY:

SEARCH

Discount-Equipment.com is your online resource for quality parts & equipment.

Florida: **561-964-4949** Outside Florida TOLL FREE: **877-690-3101**

**Need parts?**

Click on this link: <http://www.discount-equipment.com/category/5443-parts/> and choose one of the options to help get the right parts and equipment you are looking for. Please have the machine model and serial number available in order to help us get you the correct parts. If you don't find the part on the website or on one of the online manuals, please fill out the request form and one of our experienced staff members will get back to you with a quote for the right part that your machine needs.

We sell worldwide for the brands: Genie, Terex, JLG, MultiQuip, Mikasa, Essick, Whiteman, Mayco, Toro Stone, Diamond Products, Generac Magnum, Airman, Haulotte, Barreto, Power Blanket, Nifty Lift, Atlas Copco, Chicago Pneumatic, Allmand, Miller Curber, Skyjack, Lull, Skytrak, Tsurumi, Husquvarna Target, Stow, Wacker, Sakai, Mi-T-M, Sullair, Basic, Dynapac, MBW, Weber, Bartell, Bennar Newman, Haulotte, Ditch Runner, Menegotti, Morrison, Contec, Buddy, Crown, Edco, Wyco, Bomag, Laymor, EZ Trench, Bil-Jax, F.S. Curtis, Gehl Pavers, Heli, Honda, ICS/PowerGrit, IHI, Partner, Imer, Clipper, MMD, Koshin, Rice, CH&E, General Equipment, Amida, Coleman, NAC, Gradall, Square Shooter, Kent, Stanley, Tamco, Toku, Hatz, Kohler, Robin, Wisconsin, Northrock, Oztec, Toker TK, Rol-Air, APT, Wylie, Ingersoll Rand / Doosan, Innovatech, Con X, Ammann, Mecalac, Makinex, Smith Surface Prep, Small Line, Wanco, Yanmar