

SKYJACK

PARTS MANUAL

SJ46 AJ+

ARTICULATING BOOM



229035ABA

August 2020
ANSI/CSA

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This manual is for MEWPs with serial numbers:

SJ46 AJ+: A301 000 001 - A301 999 999

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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: _____

Recommended Service Parts

Description	Year 1 Qty	Year 2 Qty	Year 3 Qty	Skyjack Part No.
Engine - Deutz D2.9L				
FILTER, Oil - Deutz TD2.9L	2	2	2	147072
FILTER, Fuel pre-filter - Deutz TD2.9L	2	2	2	164772
FILTER, Fuel - Deutz TD2.9L	2	2	2	164771
ELEMENT, Air cleaner - primary	2	2	2	165947
ELEMENT, Air cleaner - secondary	1	1	1	165948
THERMOSTAT, Deutz TD2.9L	0	0	1	166699
HOSE, Radiator return - Deutz TD2.9L	0	0	1	170951
HOSE, Radiator upper - Deutz TD2.9L	0	0	1	170934
HOSE, Radiator lower - Deutz TD2.9L	0	0	1	170935
BELT, Alternator/water pump - Deutz TD2.9L	0	0	1	166694
PUMP, Fuel - Deutz TD2.9L	0	0	1	164770
STARTER, Deutz TD2.9	0	0	1	166692
ALTERNATOR, Deutz TD2.9	0	0	1	166693
Engine - Deutz D2011				
FILTER, Oil, Deutz D2011	2	2	2	147072
FILTER, Fuel, Deutz D2011	2	2	2	147071
ELEMENT, Air cleaner - primary, Deutz D2011	2	2	2	165947
ELEMENT, Air cleaner - secondary, Deutz D2011	1	1	1	165948
BELT, Alternator - Deutz D2011	0	0	1	151770
PUMP, Fuel - Deutz D2011	0	0	1	127181
STARTER, Deutz D2011	0	0	1	204249
ALTERNATOR, Deutz D2011	0	0	1	168365
Engine - Kubota WG2503				
CARTRIDGE, Oil filter, Kubota	2	2	2	194643
FILTER, Fuel pre-filter - Kubota	2	2	2	136118
ELEMENT, Air cleaner - primary	2	2	2	195293
ELEMENT, Air cleaner - secondary	1	1	1	195294
THERMOSTAT, Kubota	0	0	1	194663
HOSE, Radiator upper - Kubota	0	0	1	194636
HOSE, Radiator lower - Kubota	0	0	1	194635
BELT, Fan - Kubota	0	0	1	194666
PUMP, Fuel - Kubota	1	1	1	164881
STARTER, Kubota	0	0	1	194656
ALTERNATOR, Kubota	0	0	1	194657
SPARK PLUG, Kubota	0	0	1	194658

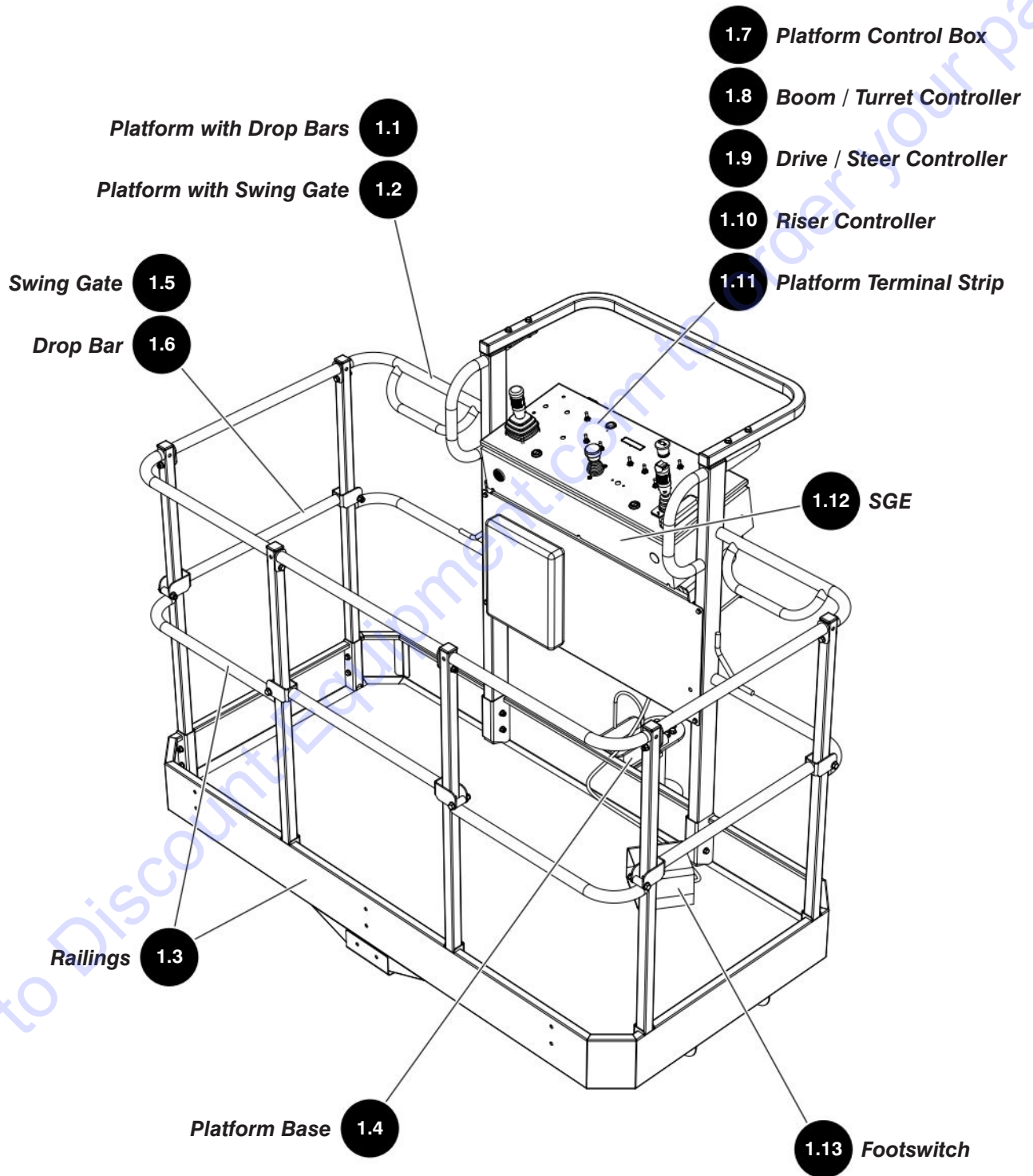
Recommended Service Parts

Description	Year 1 Qty	Year 2 Qty	Year 3 Qty	Skyjack Part No.
VALVE, Lockoff - Kubota	0	0	1	164889
REGULATOR (EPR), Kubota	0	0	1	194699
MIXER, Kubota	0	0	1	194698
Electrical				
BATTERY	2	2	2	144676
RELAY, Micro	5	5	5	931298
SOCKET, Micro relay	1	1	1	218997
SWITCH, Toggle	2	2	2	102853
SWITCH, Toggle	1	1	1	148988
SWITCH, Toggle	1	1	1	138278
SWITCH, Toggle	1	1	1	115747
SWITCH, Toggle	1	1	1	124446
SWITCH, Toggle	1	1	1	115574
BLOCK, N.C. Contact (red plunger, key switch and e-stop)	1	1	1	147053
BLOCK, N.O. Contact (black plunger, key switch)	1	1	1	166141
BLOCK, N.C. Contact (yellow plunger, key switch)	1	1	1	166142
SWITCH, Limit - riser up	0	1	1	199546
SWITCH, Limit - boom extension	0	1	1	207016
SWITCH, Limit - boom angle	0	1	1	207017
SWITCH, Limit - direction sensing	0	1	1	199486
COIL, Valve	0	1	1	159819
KIT, Drive/steer joystick handle	0	1	1	141338
Hydraulic				
ELEMENT, High pressure filter - hydraulic	1	1	1	161947
ELEMENT, Return filter - hydraulic	2	2	2	161949
SEAL KIT, Extension cylinder - SJ46AJ	0	0	1	154537
SEAL KIT, Extension cylinder - SJ51AJ	0	0	1	154655
SEAL KIT, Lift cylinder	0	0	1	154528
SEAL KIT, Riser cylinder	0	0	1	154562
SEAL KIT, Master cylinder	0	0	1	154524
SEAL KIT, Slave cylinder	0	0	1	152254
SEAL KIT, Jib cylinder	0	0	1	154549
SEAL KIT, Axle lockout cylinder	0	0	1	154557
SEAL KIT, Rotary actuator	0	0	1	144709
SEAL KIT, Steer cylinder	0	0	1	168050

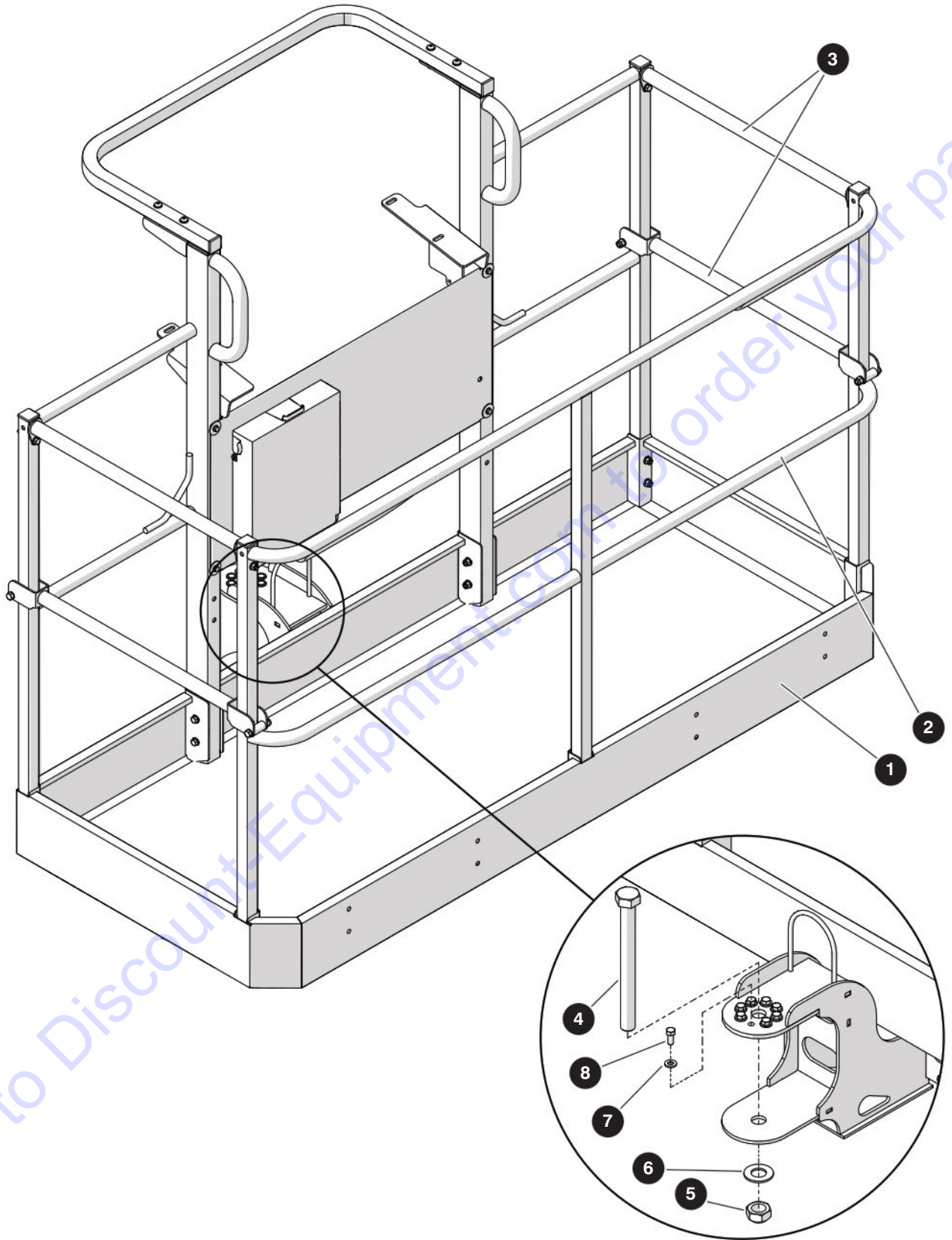
Recommended Service Parts

Description	Year 1 Qty	Year 2 Qty	Year 3 Qty	Skyjack Part No.
Boom				
SHIM, 16 gauge (top)	0	1	1	148829
SHIM, 20 gauge (top)	0	1	1	148830
SHIM, 16 gauge (side)	0	1	1	148837
SHIM, 20 gauge (side)	0	1	2	148838
PAD, Wear - top	0	1	2	148827
PAD, Wear - bottom	0	1	2	148826
Cowling				
LATCH, Flexible draw	2	2	2	144002
Axles				
SEAL, Differential pinion - front axle	0	0	1	140976
SEAL, Planetary hub - front and rear axle	0	0	1	154631
O-RING, Planetary hub - front axle	0	0	1	140970
SEAL, Inner axle shaft - front axle	0	0	1	154625
SEAL, Outer axle shaft - front axle	0	0	1	154625
SEAL, Differential pinion - rear axle	0	0	1	141074
O-RING, Planetary hub - rear axle	0	0	1	140970
SEAL, Gear box output shaft	0	0	1	141149
SEAL, Gear box input shaft	0	0	1	141370

Section 1 – Platform



1.1 Platform with Drop Bars



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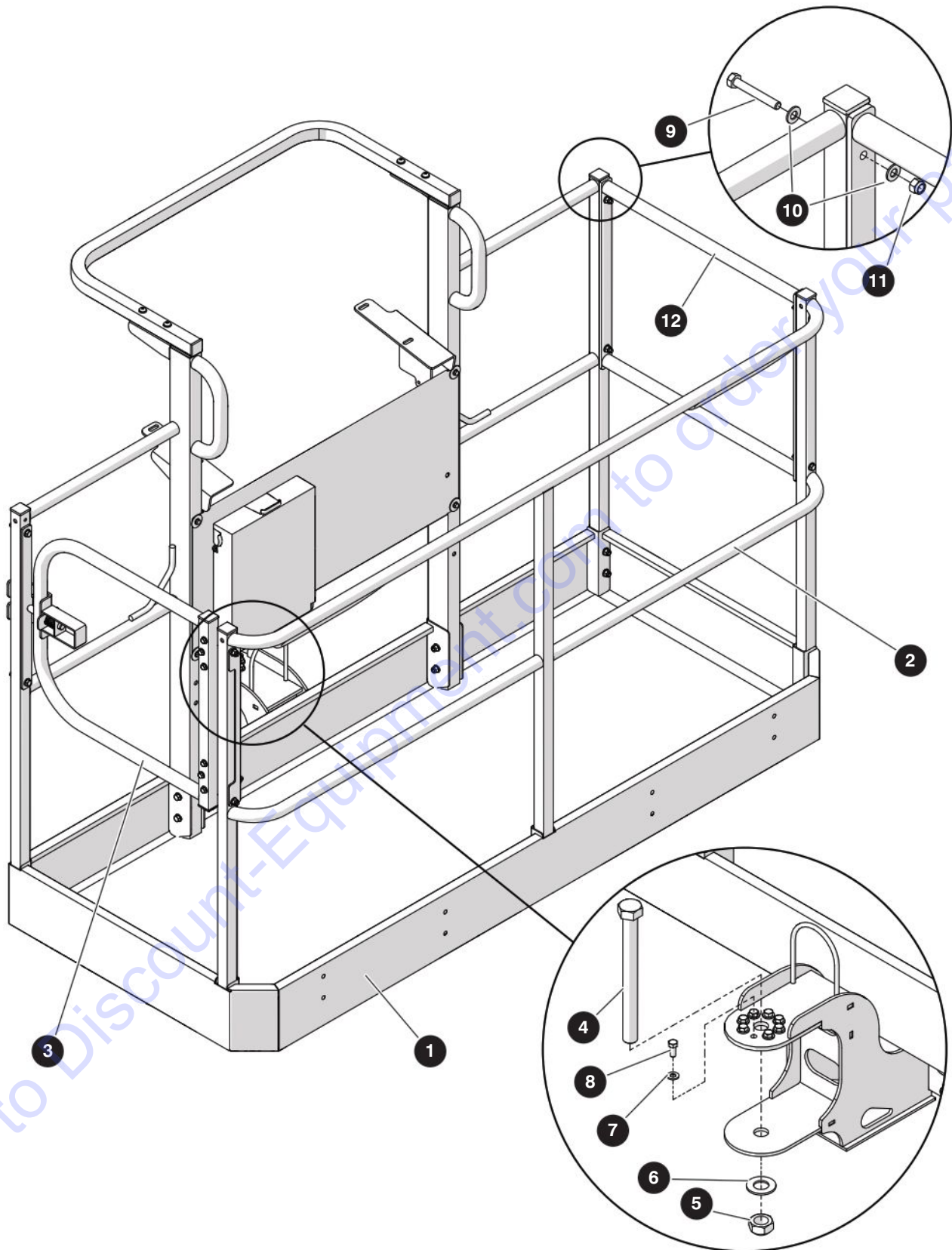
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1.1 Platform with Drop Bars

Index No.	Skyjack Part No.	Qty.	Description
-	218723	1	PLATFORM ASSEMBLY - 6' with Drop Bar
-	218725	1	PLATFORM ASSEMBLY - 5' with Drop Bar
1	(Ref.)	1	<ul style="list-style-type: none"> RAILINGS (For components, refer to 1.3 Railings)
2	(Ref.)	1	<ul style="list-style-type: none"> PLATFORM BASE (For components, refer to 1.4 Platform Base)
3	(Ref.)	2	<ul style="list-style-type: none"> GATE, Drop (For components, refer to 1.6 Drop Bar)
4	138696	1	<ul style="list-style-type: none"> BOLT, Hex head (1"-8 x 10-1/2" Grade 8, zinc)
5	138559	1	<ul style="list-style-type: none"> NUT, Torque lock (1"-8 Grade 8)
6	102646	1	<ul style="list-style-type: none"> WASHER, Flat (1")
7	125959	8	<ul style="list-style-type: none"> WASHER, Flat (3/8")
8	139193	8	<ul style="list-style-type: none"> BOLT, Hex head (3/8"-16 x 0.78", Grade 8)
9	173200	1	MANUAL OF RESPONSIBILITIES (not shown)

1.2 Platform with Swing Gate



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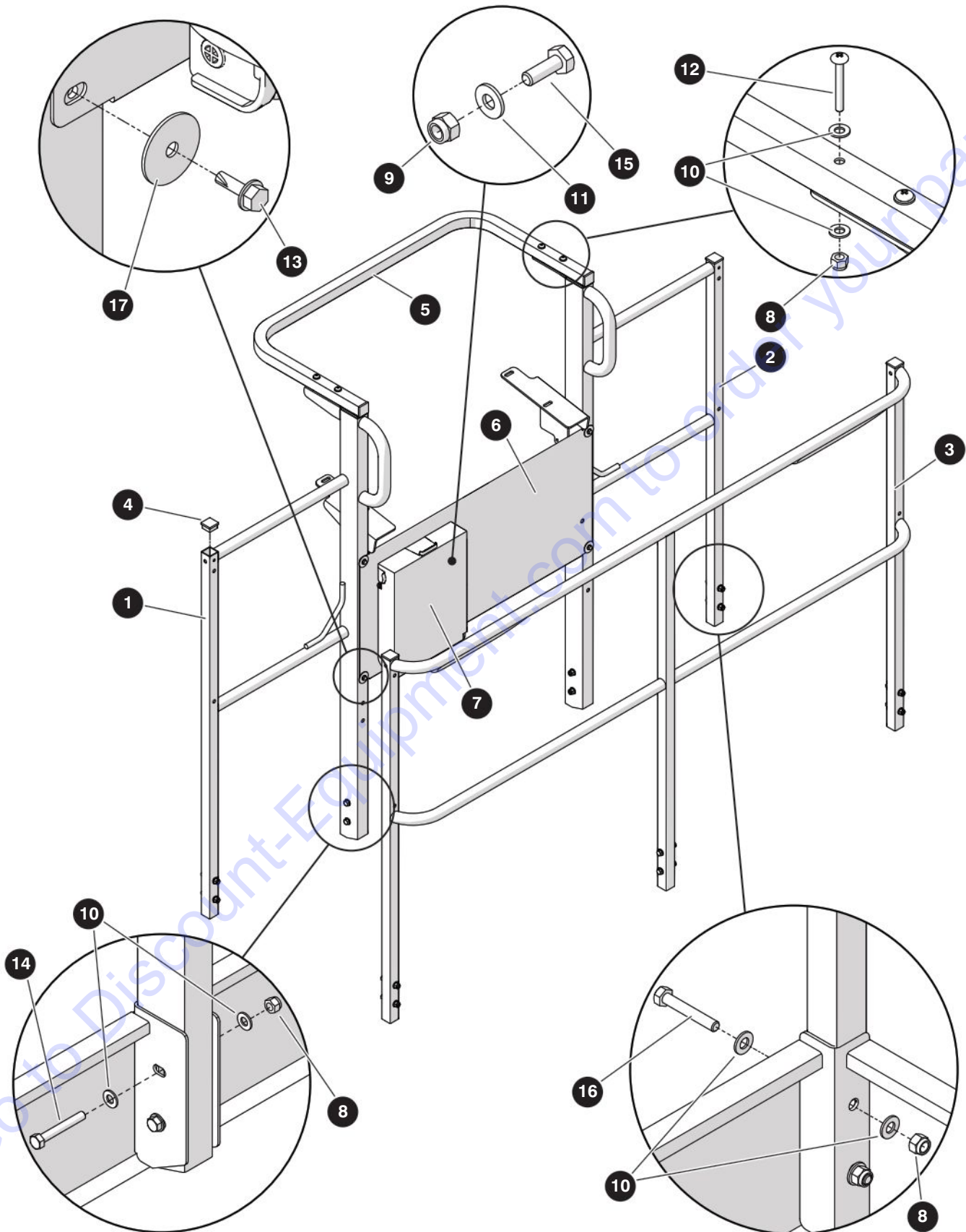
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1.2 Platform with Swing Gate

Index No.	Skyjack Part No.	Qty.	Description
-	218724	1	PLATFORM ASSEMBLY - 6' with Swing Gate
-	218726	1	PLATFORM ASSEMBLY - 5' with Swing Gate
1	(Ref.)	1	<ul style="list-style-type: none"> RAILINGS (For components, refer to 1.3 Railings)
2	(Ref.)	1	<ul style="list-style-type: none"> PLATFORM BASE (For components, refer to 1.4 Platform Base)
3	(Ref.)	1	<ul style="list-style-type: none"> SWING GATE (For components, refer to 1.5 Swing Gate)
4	138696	1	<ul style="list-style-type: none"> BOLT, Hex head (1"-8 x 10-1/2" Grade 8, zinc)
5	138559	1	<ul style="list-style-type: none"> NUT, Torque lock (1"-8 Grade 8)
6	102646	1	<ul style="list-style-type: none"> WASHER, Flat (1")
7	125959	8	<ul style="list-style-type: none"> WASHER, Flat (3/8")
8	139193	8	<ul style="list-style-type: none"> BOLT, Hex head (3/8"-16 x 0.78", Grade 8)
9	103866	4	<ul style="list-style-type: none"> BOLT, Hex head (5/16"-18 x 2-1/4", gr 5)
10	103996	8	<ul style="list-style-type: none"> WASHER, Flat (5/16")
11	103984	4	<ul style="list-style-type: none"> NUT, Lock (5/16"-18, gr 5)
12	218716	1	<ul style="list-style-type: none"> RAILING, Side
13	173200	1	MANUAL OF RESPONSIBILITIES (not shown)

1.3 Railings



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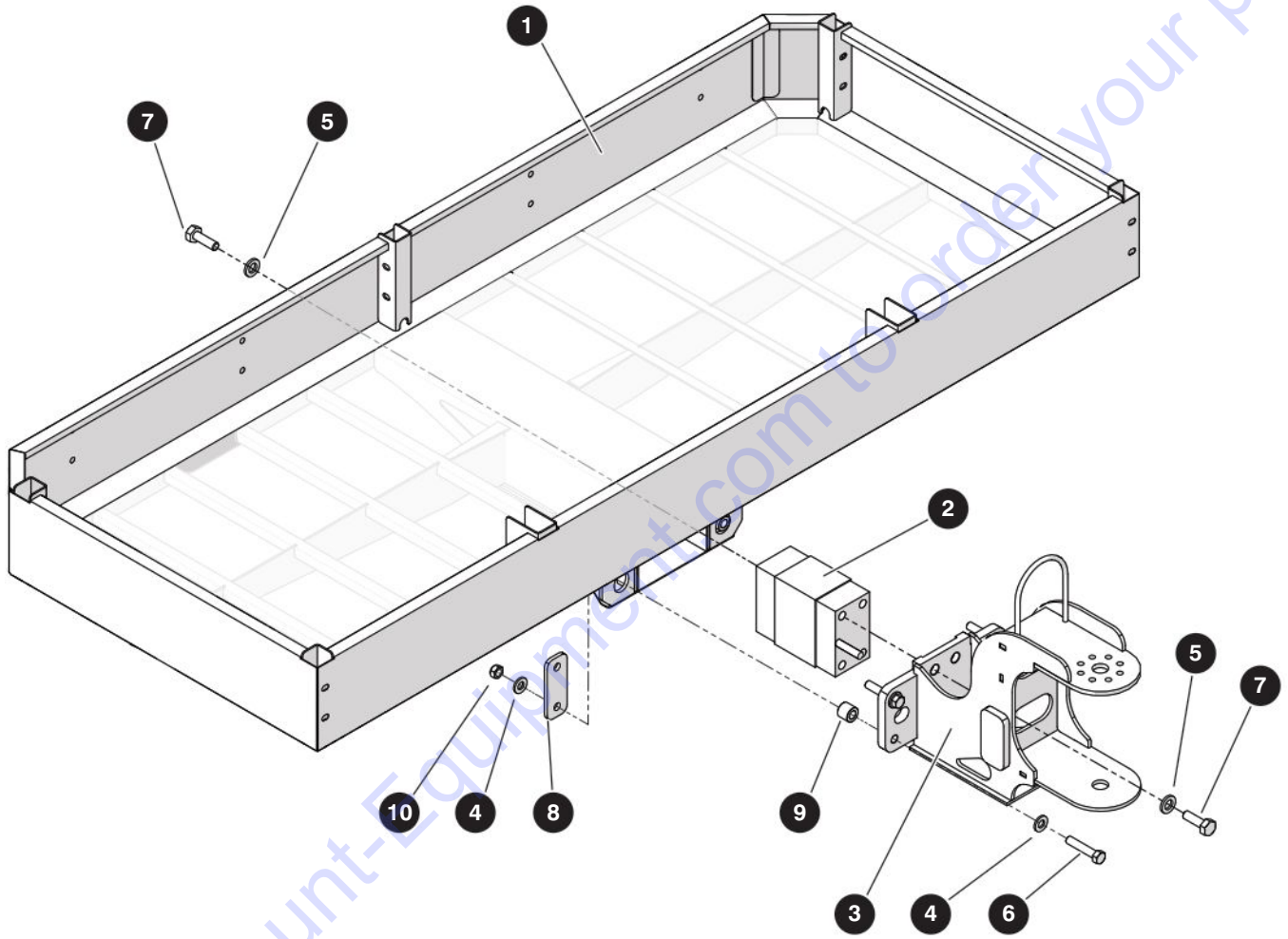
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1.3 Railings

Index No.	Skyjack Part No.	Qty.	Description
A	-	1	RAILINGS - 6' platform
B	-	1	RAILINGS - 5' platform
1	160997	1	• RAILING, Front left, A
	160996	1	• RAILING, Front left, B
2	160999	1	• RAILING, Front right, A
	160998	1	• RAILING, Front right, B
3	165820	1	• RAILING, Rear, A
	165823	1	• RAILING, Rear, B
4	100702	6	• CAP, Plastic end
5	149098	1	• RAILING, Front
6	159586	1	• PLATE, Front guard
7	198789	1	• MANUAL BOX
8	103984	18	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
9	115649	4	• NUT, Hex lock (1/4"-20 Grade 5, nylon)
10	103996	36	• WASHER, Flat (5/16")
11	103995	4	• WASHER, Flat (1/4")
12	139008	4	• SCREW, Round head machine (5/16"-18 x 2")
13	103632	4	• SCREW, Hex head self tapping (1/4"-14 x 3/4")
14	103866	4	• BOLT, Hex head (5/16"-18 x 2 1/4" Grade 5)
15	103856	4	• BOLT, Hex head (1/4"-20 x 3/4" Grade 5)
16	103865	10	• BOLT, Hex head (5/16"-18 x 2" Grade 5)
17	700598	4	• WASHER, Fender
18	207981	1	• BAG, Resealable (not shown)
19	173200	1	MANUAL, Manual of responsibilities (not shown)

1.4 Platform Base



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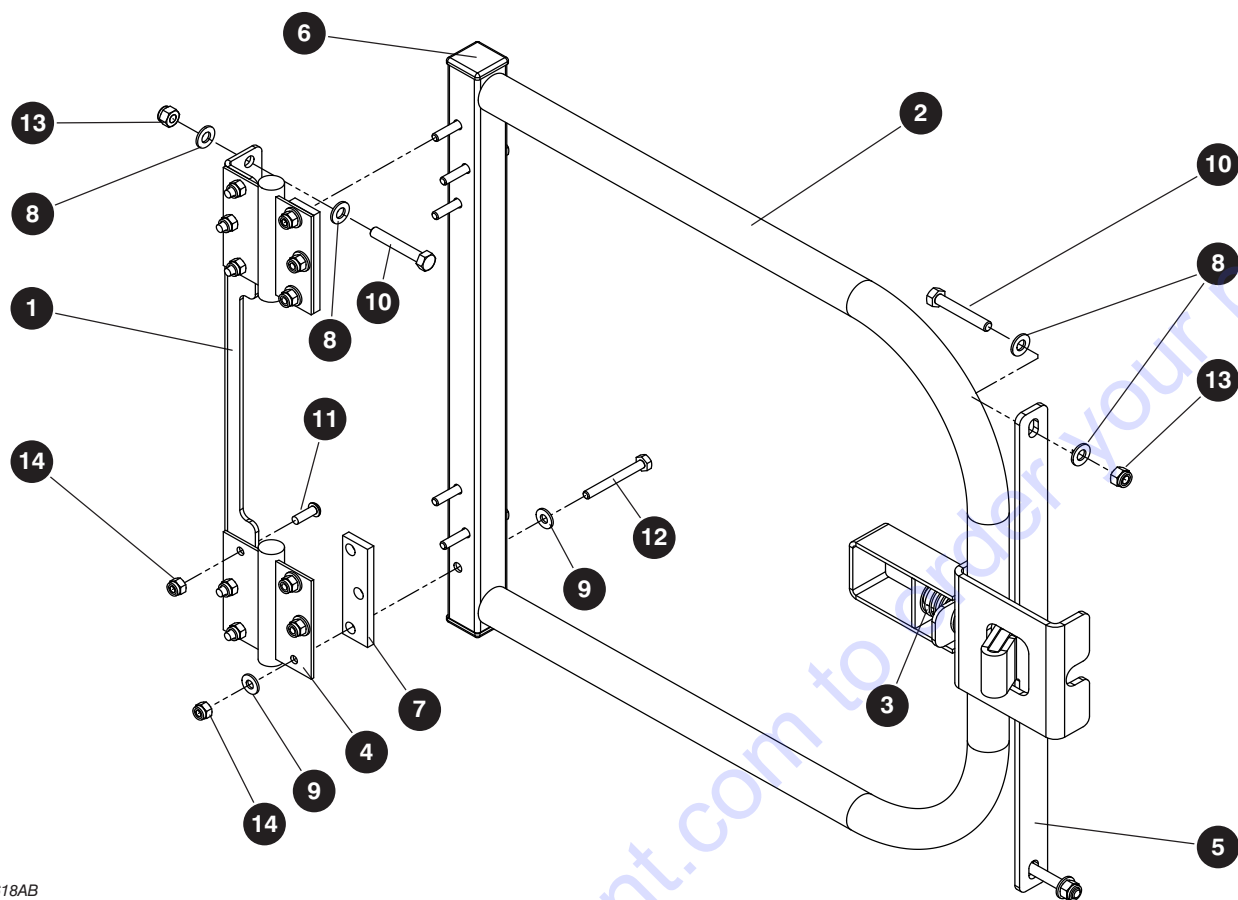
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1.4 Platform Base

Index No.	Skyjack Part No.	Qty.	Description
1	218664	1	• PLATFORM BASE - 6' platform
	218678	1	• PLATFORM BASE - 5' platform
2	218368	1	• LOAD CELL, CAN MOBA
3	168230	1	• MOUNT, Rotary Actuator
4	104379	8	• WASHER, Flat hardened (1/2")
5	144329	8	• WASHER, Flat hardened (M16)
6	144575	4	• BOLT, Hex head (1/2"-13 x 2-1/2" gr 8)
7	144502	8	• BOLT, Hex head (M16 x 1.5 x 45 gr 8.8)
8	144365	2	• WASHER, Safety
9	144574	4	• SPACER, Load cell
10	138791	4	• NUT, Torque lock (1/2"-13 gr C)

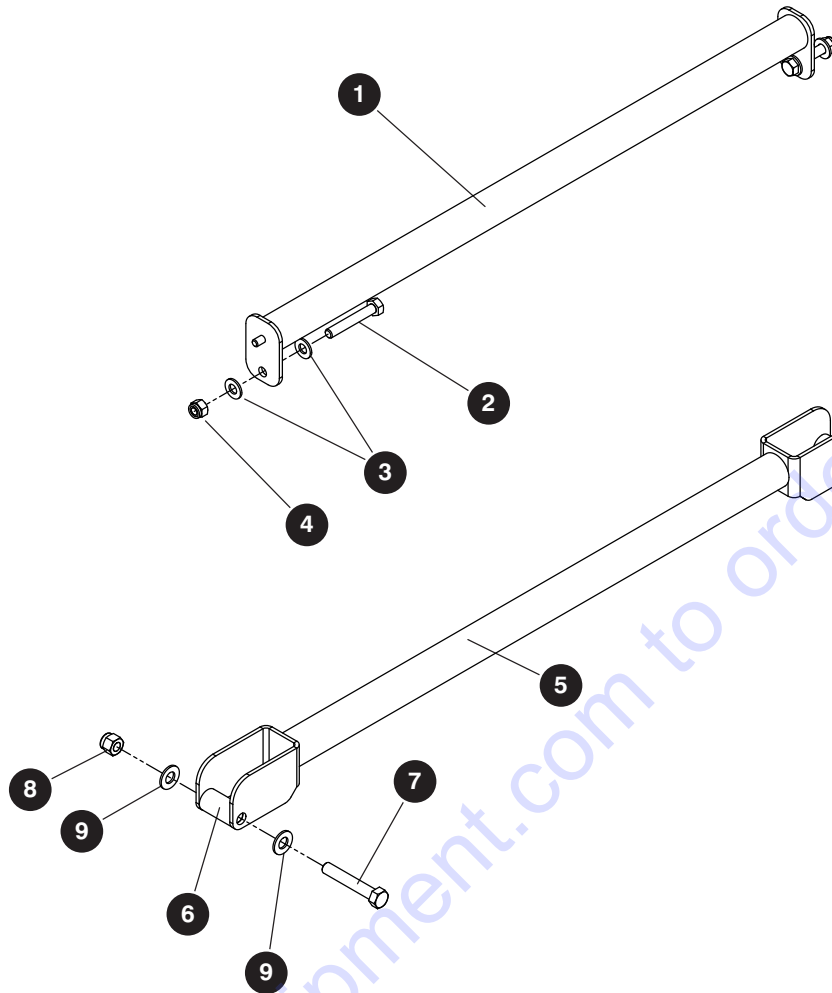
1.5 Swing Gate



M164618AB

Index No.	Skyjack Part No.	Qty.	Description
A	164589	1	SWING GATE ASSEMBLY (30" x 60")
B	164618	1	SWING GATE ASSEMBLY (30" x 72")
1	164590	1	• BRACKET, Hinge mounting
2	164593	1	• WELDMENT, Gate A
	164619	1	• WELDMENT, Gate B
3	110824	1	• PIN LATCH, Door spring
4	209527	2	• HINGE, Spring
5	166288	1	• PLATE, Locking A
5	166287	1	• PLATE, Locking B
6	100702	2	• CAP, End
7	164592	2	• TAB, Hinge
8	103996	10	• WASHER, Flat (5/16")
9	103995	12	• WASHER, Flat (1/4")
10	103865	5	• BOLT, Hex head (5/16"-18 x 2.00", Grade 5)
11	139168	6	• BOLT, Button head cap screw (1/2"-20 x 0.75", Grade 5)
12	103862	6	• BOLT, Hex head (1/4"-20 x 2.25", Grade 5)
13	103984	5	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
14	115649	12	• NUT, Hex head nylon lock (1/4"-20, Grade 5)

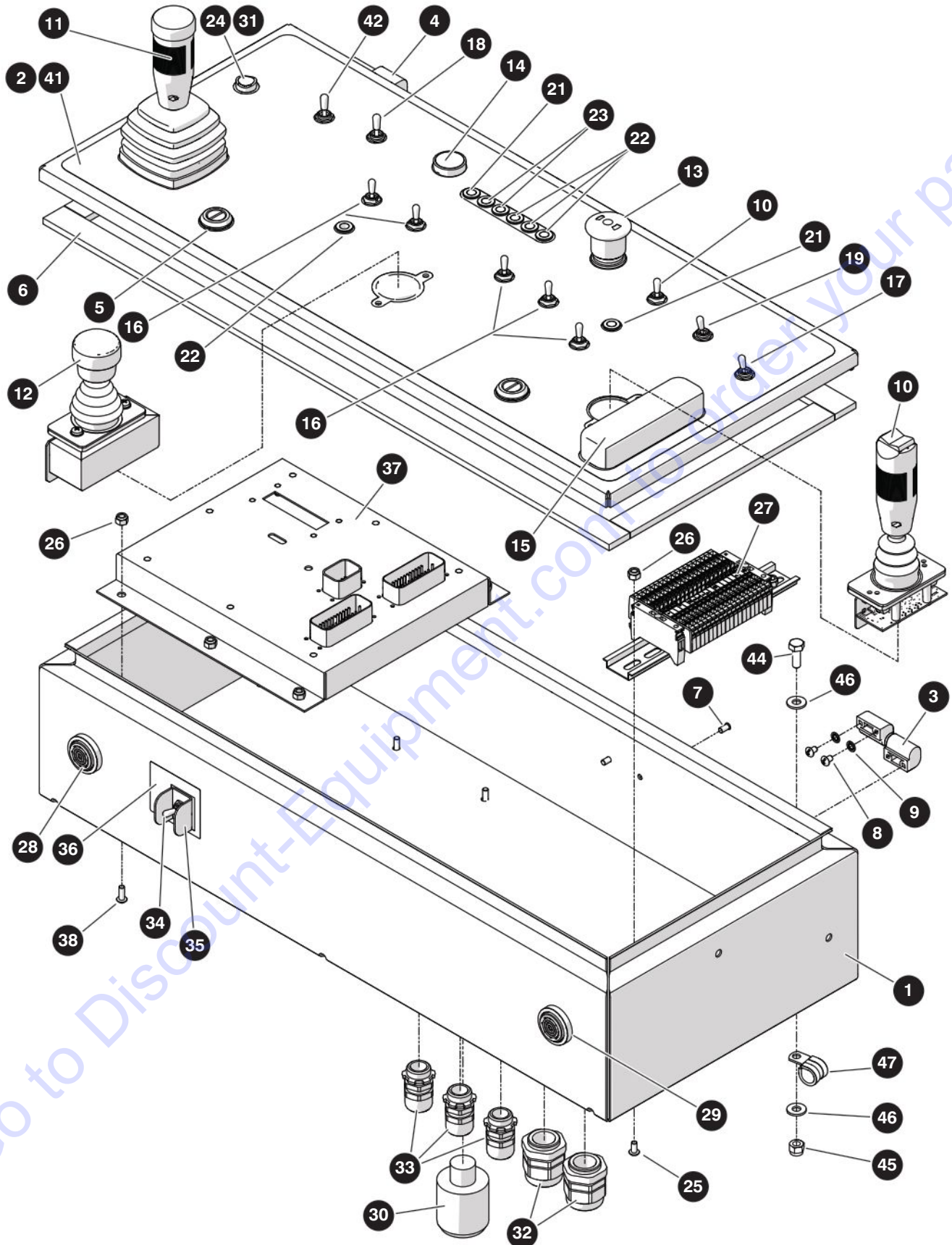
1.6 Drop Bar



M160707AC

Index No.	Skyjack Part No.	Qty.	Description
-	160707	1	DROP GATE ASSEMBLY
1	160708	1	• WELDMENT, Tie bar
2	103865	2	• BOLT, Hex head (5/16"-18 x 2.00", Grade 5)
3	103996	4	• WASHER, Flat (5/16")
4	103984	2	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
-	162965	1	• DROP BAR ASSEMBLY
5	162958	1	• • WELDMENT, Drop bar
6	154386	2	• • SPACER (3/8" ID x 0.75" OD x 1.375" long)
7	103872	2	• • BOLT, Hex head (3/8"-16 x 2.25", Grade 5)
8	104606	2	• • NUT, Hex head nylon lock (3/8"-16, Grade 5)
9	103472	4	• • WASHER, Flat (3/8")

1.7 Platform Control Box



M218375AF

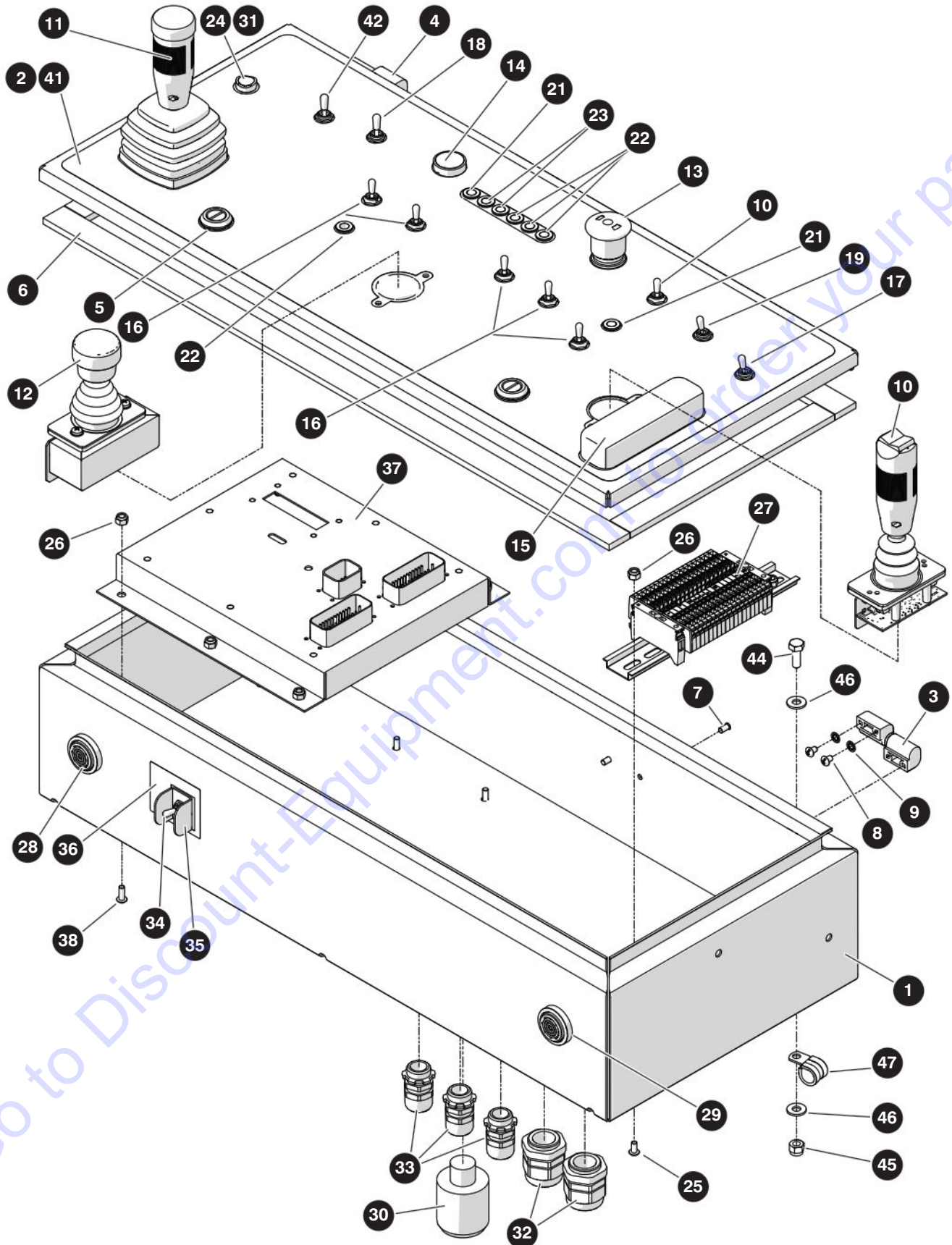
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SJ46 AJ+

1.7 Platform Control Box

Index No.	Skyjack Part No.	Qty.	Description
-	218375	1	PLATFORM CONTROL BOX
-	218345	1	• CONTROL BOX, Platform
1	218346	1	• • BODY, Control box
2	218421	1	• • LID, Control box
3	149384	1	• • HINGE, Nylon (Left hand)
4	149385	1	• • HINGE, Nylon (Right hand)
5	138715	2	• • LATCH, Slotted door
6	138334	1	• • WEATHER STRIP, Cut
7	159879	2	• • STUD, Aluminum (#10-32 x 3/8")
8	103959	8	• • SCREW, Round head machine (#10-24 x 1/4")
9	163512	8	• • WASHER, Lock (#10)
10	(Ref.)	1	• CONTROLLER, Drive / Steer (For components, refer to 1.9 Drive / Steer Controller)
11	(Ref.)	1	• CONTROLLER, Boom / Turret (For components, refer to 1.8 Boom / Turret Controller)
12	(Ref.)	1	• CONTROLLER, Riser (For components, refer to 1.10 Riser Controller)
13	144647	1	• SWITCH ASSEMBLY, PLATFORM E-STOP
	147056	1	• • LATCH, Mounting
	147229	1	• • SWITCH, LED Block (Red)
	147053	2	• • BLOCK, NC Contact
	147051	1	• • SWITCH HEAD, Emergency stop
14	144648	1	• SWITCH ASSEMBLY, HORN PUSHBUTTON
	147056	1	• • LATCH, Mounting
	147054	1	• • BLOCK, NO Contact
	147058	1	• • SWITCH HEAD, Horn pushbutton
15	149402	1	• HANDREST
16	102853	6	• SWITCH, Toggle (1NT1-7)
17	115747	1	• SWITCH, Toggle (1NT1-3)
18	124446	1	• SWITCH, Toggle (2NT1-50)
19	115574	1	• SWITCH, Toggle (1NT1-2)
20	144016	9	• SEAL, Panel bushing (not shown)
21	213303	2	• LIGHT, LED - green
22	213307	4	• LIGHT, LED - amber
23	213308	2	• LIGHT, LED - red
24	166087	1	• PUSHBUTTON, Yellow
25	115545	2	• SCREW, Round head machine (#10-32 x 3/8")
26	300450	8	• NUT, Hex lock (#10-32 Grade 5, nylon)
27	(Ref.)	1	• PLATFORM TERMINAL STRIP (For components, refer to 1.11 Platform Terminal Strip)
28	103057	1	• BEEPER, 4-28VDC Slow pulsing
29	144387	1	• ALARM, Overload
30	166110	1	• ALARM/FLASHER, 12V red light
31	166086	1	• BODY, Contact block - N/O yellow LED 12-24 V
32	116266	2	• CONNECTOR, Strain relief (PG21)
33	103036	3	• CONNECTOR, Strain relief (1/2")
34	218481	1	• SWITCH, Toggle (1NT1-3D)

1.7 Platform Control Box



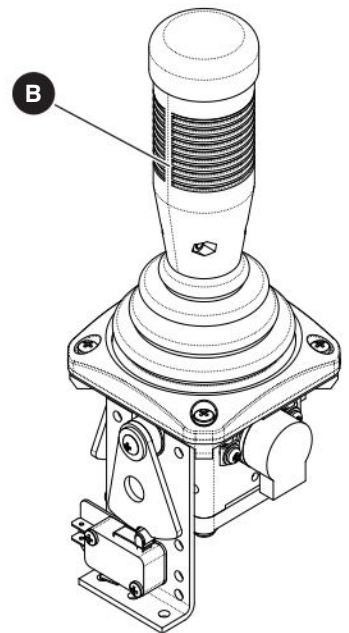
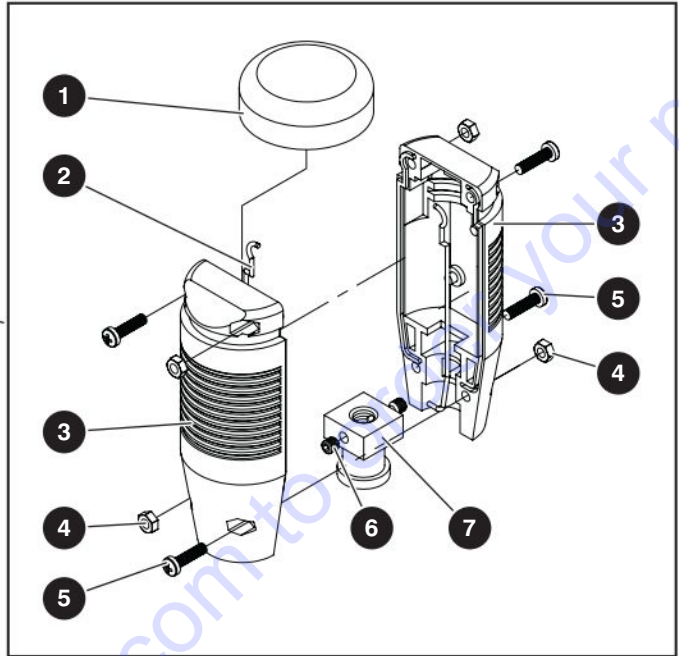
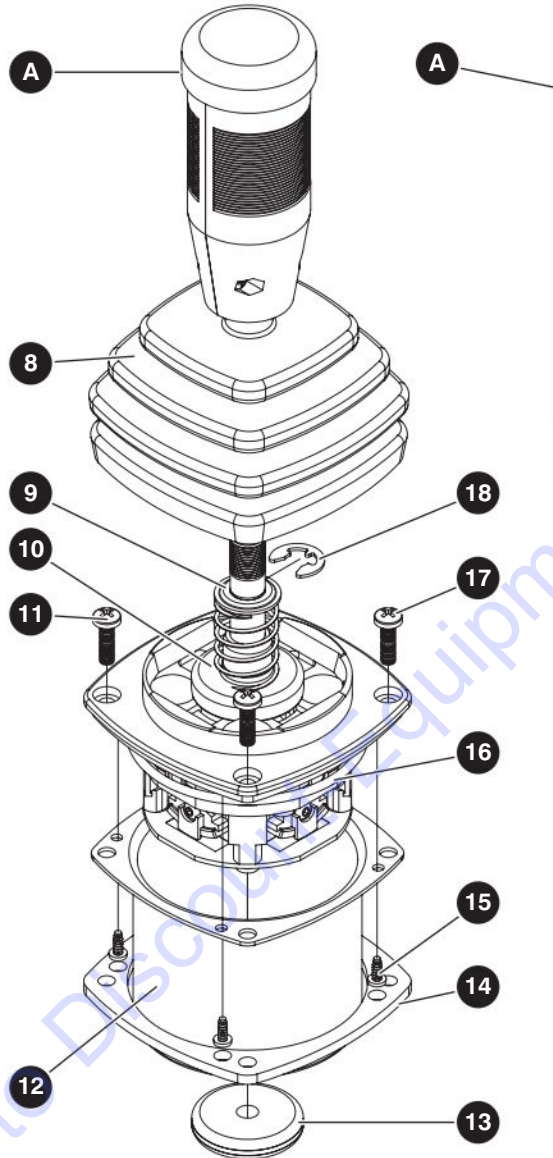
M218375AF

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1.7 Platform Control Box

Index No.	Skyjack Part No.	Qty.	Description
35	111181	1	• GUARD, Toggle switch
36	231398	1	• LABEL, Override switch
37	218382	1	• MODULE, Slave
	218277	1	• • SERVICE TOOL
	218276	1	• • • HARNESS, SMB1 to peak
	218278	1	• • • ADAPTER, PCAN-USB
38	103962	6	• SCREW, Round head machine (#10-32 x 1/2")
39	103855	2	• BOLT, Hex head (1/4"-20 x 1/2" Grade 5)
40	103995	2	• WASHER, Flat (1/4")
41	(Ref.)	1	• LABEL, Platform controls (For components, refer to 10.7 Labels - Platform)
42	115747	1	SWITCH, Toggle (dual fuel) - Kubota engine
43	144016	1	SEAL, Panel bushing (not shown) - Kubota engine
44	103856	4	BOLT, Hex head (1/4"-20 x 3/4" gr 5)
45	115649	4	NUT, Hex head nylon (1/4"-20 gr 5)
46	103995	8	WASHER, Flat (1/4")
47	103024	1	CLIP, Single (G8)

1.8 Boom / Turret Controller



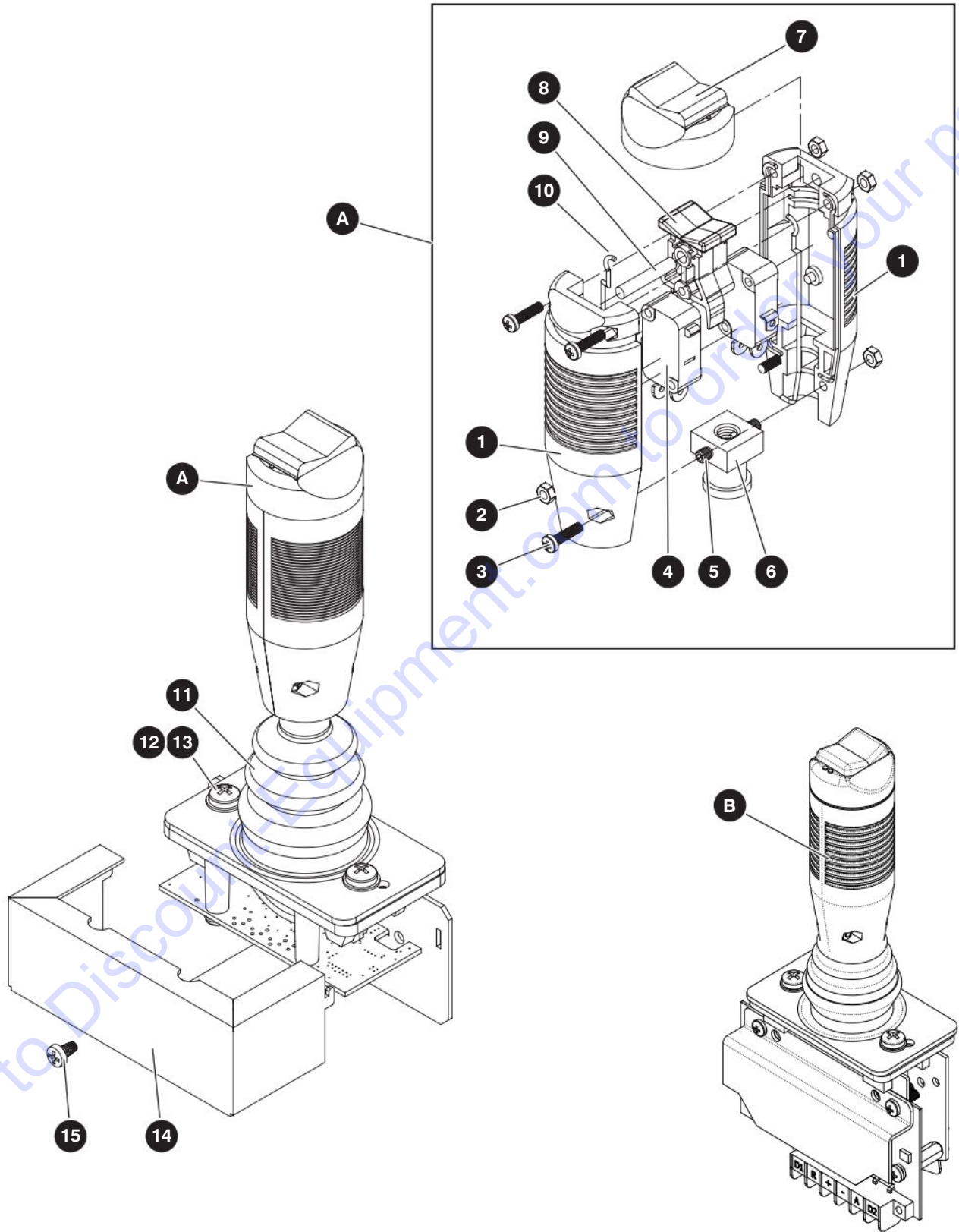
M138225AA_M220628AA

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1.8 Boom / Turret Controller

Index No.	Skyjack Part No.	Qty.	Description
A	138225	1	BOOM / TURRET CONTROLLER ASSEMBLY (DUAL AXIS)
1	141326	1	• CAP, Rubber
2	141327	2	• GASKET
3	141325	2	• HANDLE, Half
4	141328	4	• NUT
5	141329	4	• SCREW
6	141331	2	• SCREW, Set
7	141330	1	• COUPLING, (10 mm)
8	141313	1	• BOOT
9	141323	1	• WASHER, Retainer
10	141315	1	• SHOE, Spring
11	141321	4	• SCREW, Mounting (M4)
12	141316	1	• CAN, Enclosure
13	141320	1	• GROMMET, Rubber
14	141317	1	• GASKET, Mounting
15	141319	4	• SCREW
16	141318	1	• O-RING
17	141324	1	• SPRING, Compression
18	141322	1	• CLIP, Retainer
19	216879	1	• CONNECTOR, Male (4-pin) (not shown)
20	216880	1	• CONNECTOR, Female (4-pin) (not shown)
B	220628	1	RISER BOOM CONTROLLER (Single Axis) - Potentiometer style - Optional

1.9 Drive / Steer Controller



M138224AA_M220627AA

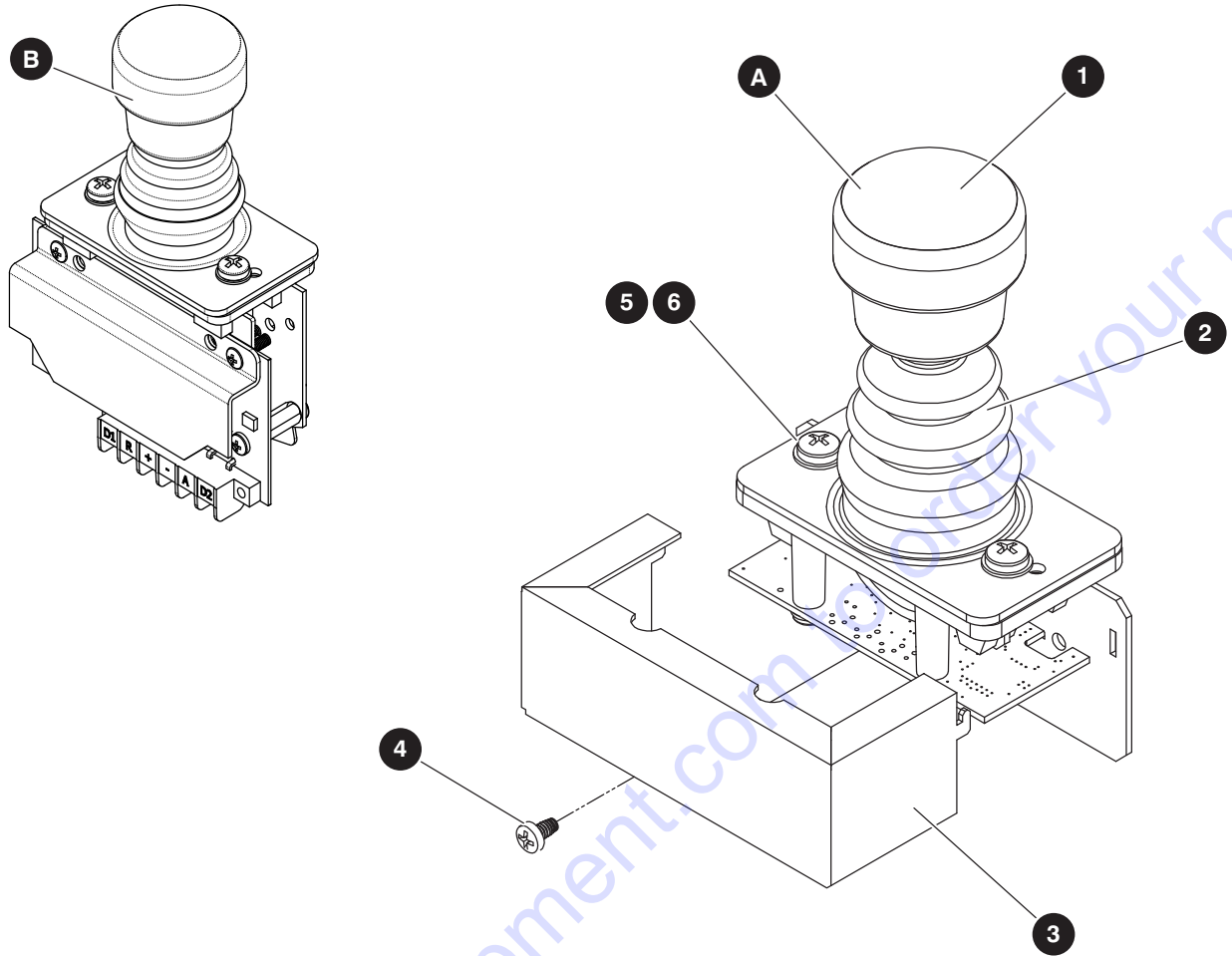
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1.9 Drive / Steer Controller

Index No.	Skyjack Part No.	Qty.	Description
A	138224	1	DRIVE / STEER CONTROLLER ASSEMBLY (SINGLE AXIS)
1	141338	2	• HANDLE, Half
2	141328	4	• NUT
3	141329	4	• SCREW
4	141342	2	• MICROSWITCH
5	141331	2	• SCREW, Set
6	141343	1	• COUPLING, (8 MM)
7	141339	1	• CAP, Rubber
8	141340	1	• ROCKER
9	141341	1	• ROCKER, Axle
10	141327	2	• GASKET
11	141334	1	• BOOT ASSEMBLY, Standard
12	141336	2	• SCREW Mounting
13	141335	2	• WASHER, Mounting
14	141333	1	• ENCLOSURE
15	141337	1	• SCREW, Enclosure
B	220627	1	DRIVE / STEER CONTROLLER (SINGLE AXIS) - Potentiometer style - Optional

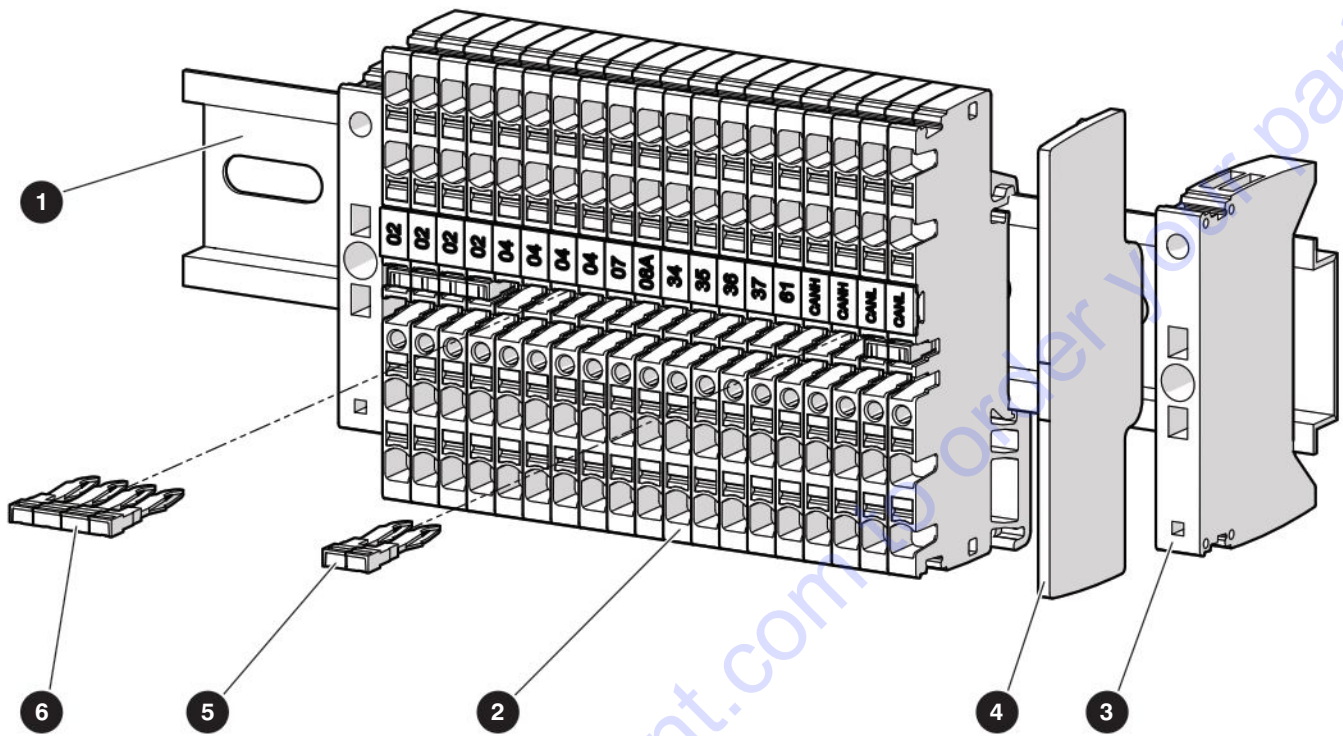
1.10 Riser Controller



M148707AA_M220626AA

Index No.	Skyjack Part No.	Qty.	Description
A	148707	1	RISER BOOM CONTROLLER (Single Axis)
1	154648	1	• CAP, Handle
2	141334	1	• BOOT ASSEMBLY, Standard
3	141333	1	• ENCLOSURE
4	141337	1	• SCREW, Enclosure
5	141336	2	• SCREW, Mount
6	141335	2	• WASHER, Mount
B	220626	1	RISER BOOM CONTROLLER (Single Axis) - Potentiometer style - Optional

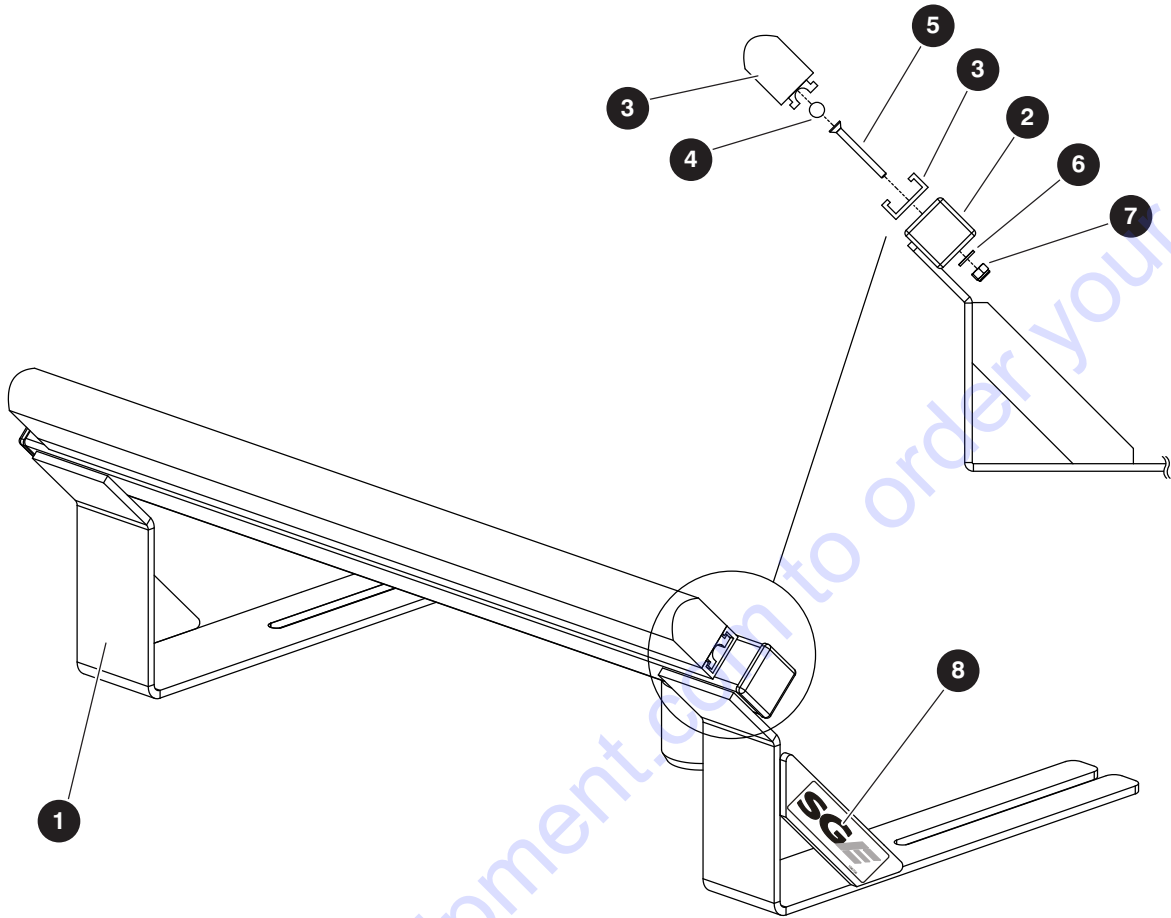
1.11 Platform Terminal Strip



M218402AD

Index No.	Skyjack Part No.	Qty.	Description
-	218402	1	PLATFORM TERMINAL STRIP
1	233337	205 mm	• RAIL
2	233338	19	• BLOCK, Terminal
3	233341	2	• PLATE, End
4	233342	1	• PLATE, Separator
5	233343	2	• JUMPER, 2-pin
6	233344	2	• JUMPER, 4-pin

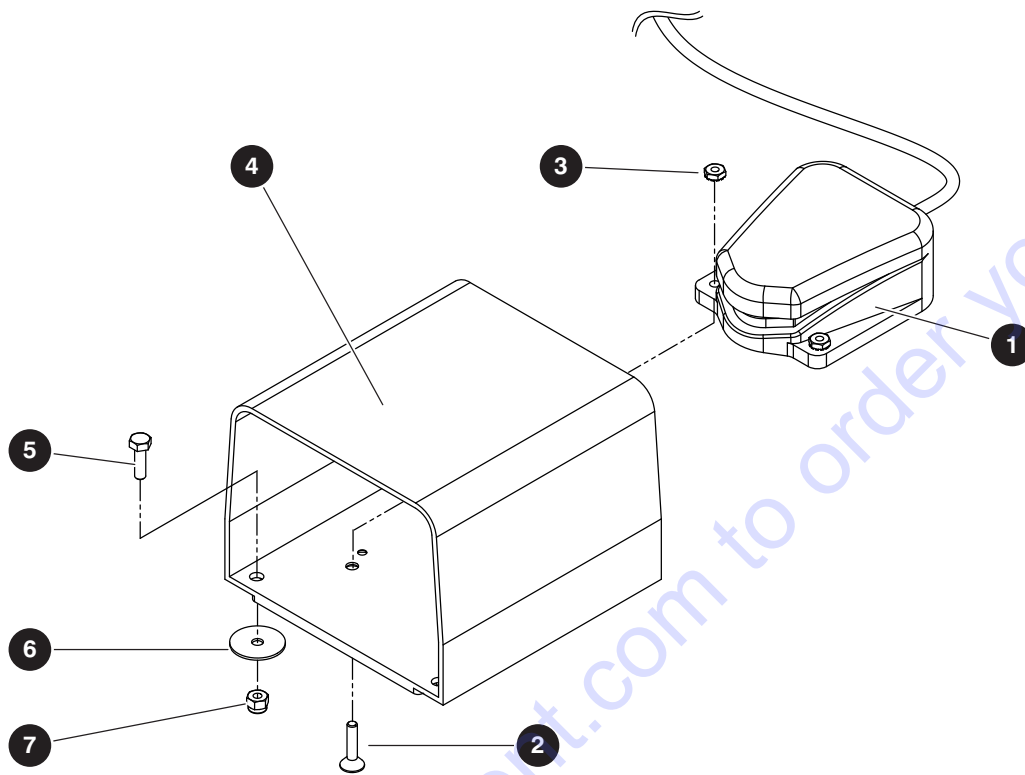
1.12 SGE



M198348AA

Index No.	Skyjack Part No.	Qty.	Description
-	198348	1	SGE
1	166101	1	• SUPPORT, Sensing edge
2	100702	2	• PLUG, Tube (1.25" x 1.25")
3	166107	1	• SENSING EDGE
4	166104	1	• ROD, Sensing edge lock
5	166105	3	• SCREW, Flat head cap (10-32 x 1.75" gr 5)
6	104694	3	• WASHER, Flat (#10)
7	300450	3	• NUT, Lock (10-32 gr 5 nylon)
8	166756	2	• LABEL, SGE
9	167218	1	• SCREW, Slotted binding head (6-32 x 0.25") (not shown)

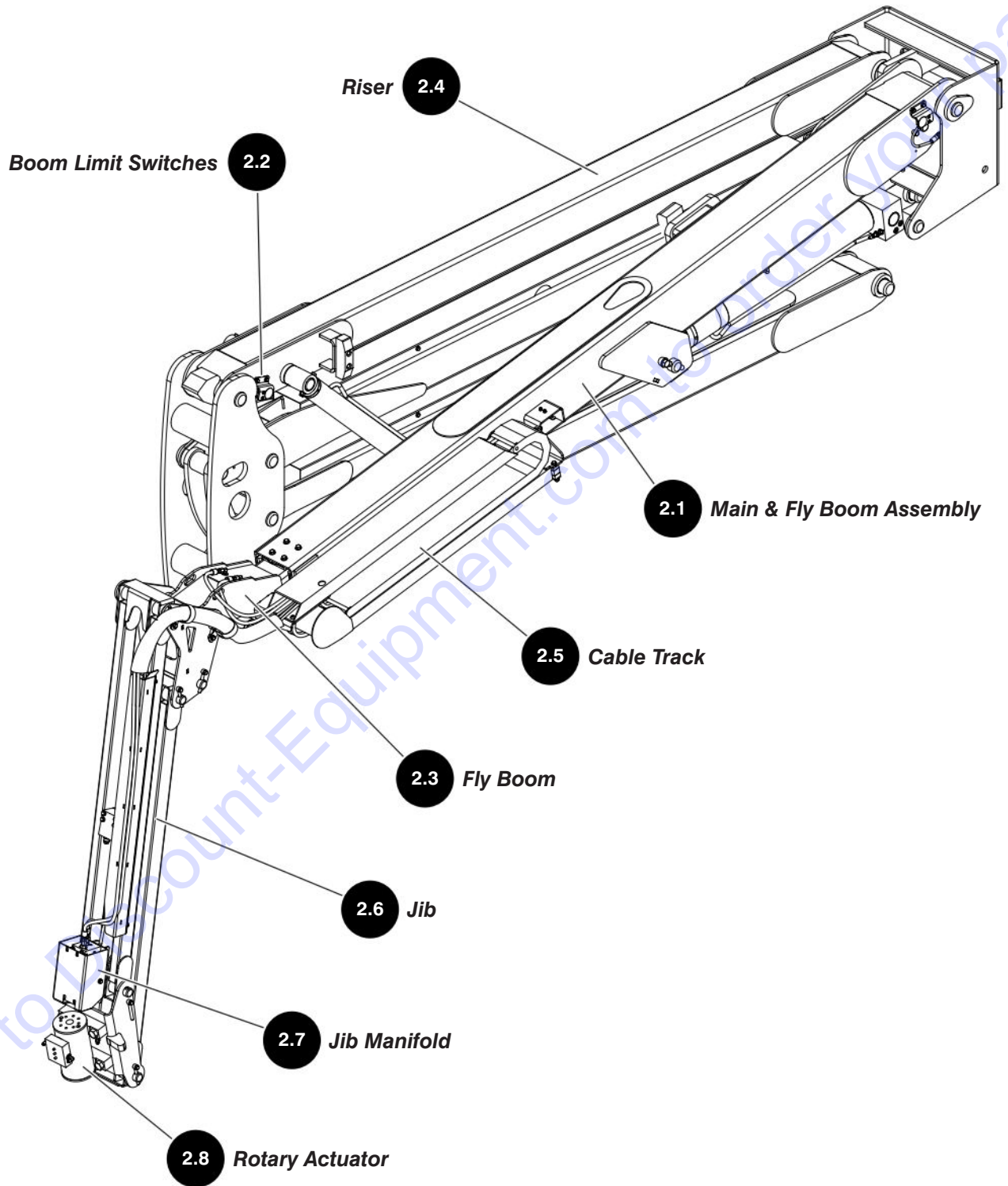
1.13 Footswitch



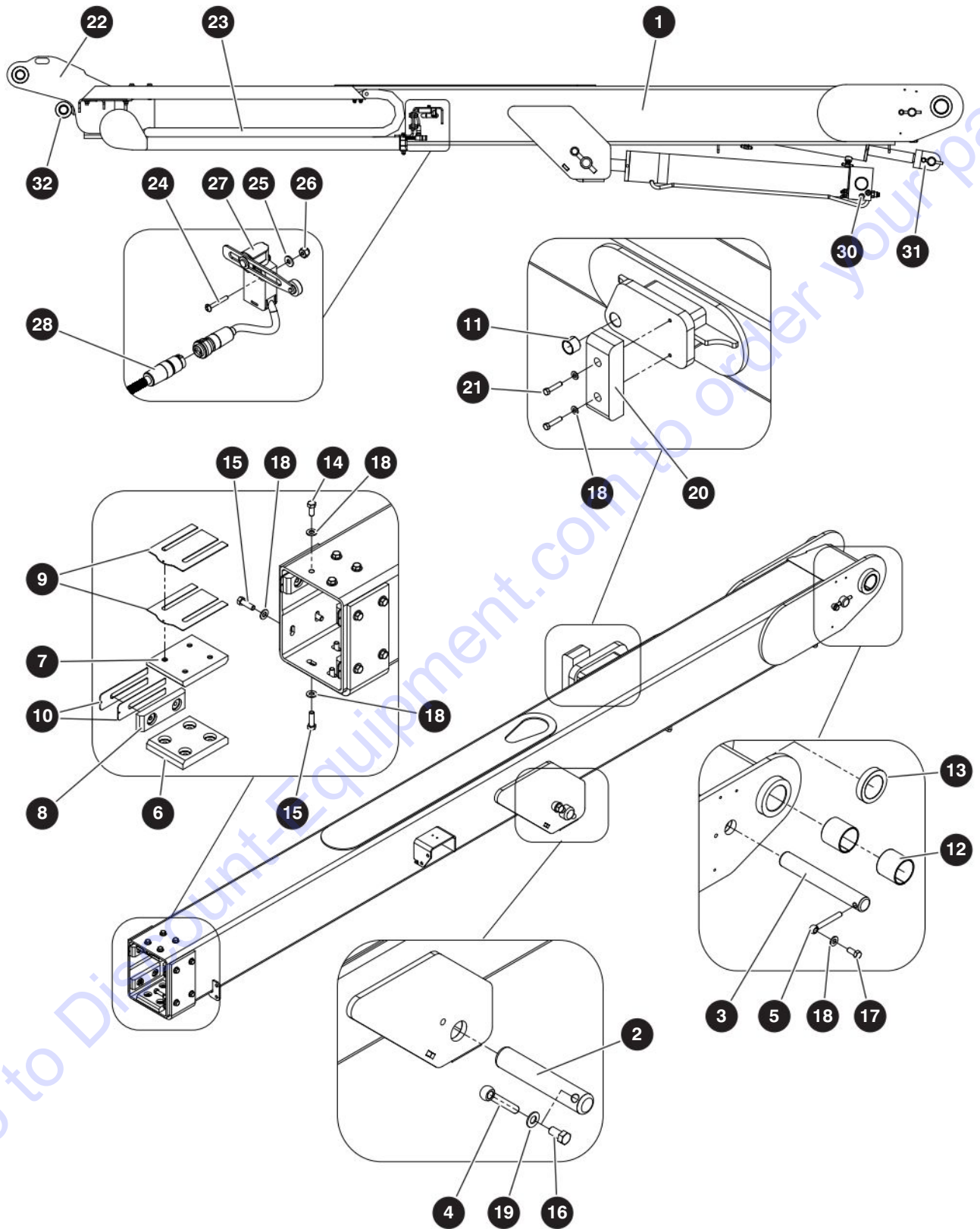
M154127AC

Index No.	Skyjack Part No.	Qty.	Description
-	154127	1	FOOTSWITCH ASSEMBLY
1	700187	1	• FOOTSWITCH
2	139688	2	• SCREW, Flat head machine (1/4"-20 x 1.00")
3	130017	2	• NUT, K-lock (#10-32, zinc)
4	700188	1	• COVER, Footswitch
5	103891	4	BOLT, Hex head (1/4"-20 x 0.87", Grade 5)
6	700598	4	WASHER, Fender
7	115649	4	NUT, Hex lock (1/4"-20 Grade 5, nylon)

Section 2 – Boom



2.1 Main & Fly Boom Assembly



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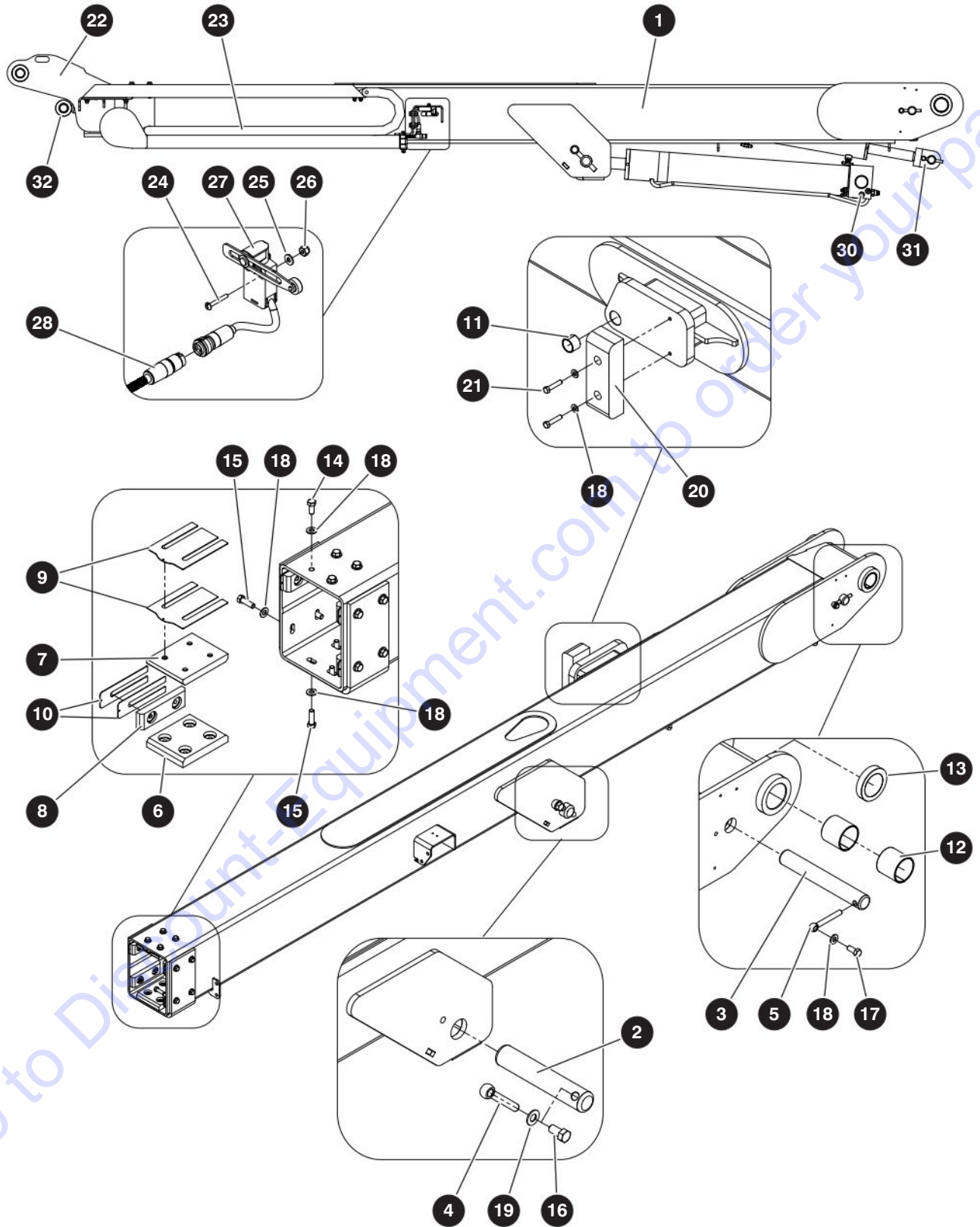
SJ46 AJ+

SKYJACK

2.1 Main & Fly Boom Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	218930	1	MAIN AND FLY BOOM ASSEMBLY
	161977	1	• MAIN BOOM ASSEMBLY
1	161981	1	• • MAIN BOOM WELDMENT
2	148843	1	• • PIN (1 3/4" diameter x 9 1/2")
3	148844	1	• • PIN (1.25" diameter x 9")
4	146898	1	• • KEEPER PIN (5/8")
5	146897	1	• • KEEPER PIN (3/8")
6	148826	1	• • PAD, Bottom
7	148827	1	• • PAD, Top
8	148828	4	• • PAD, Side
9	148829	AR	• • SHIM, 16 Gauge (top)
	148830	AR	• • SHIM, 20 Gauge (top)
10	148837	AR	• • SHIM, 16 Gauge (side)
	148838	AR	• • SHIM, 20 Gauge (side)
11	148817	2	• • BUSHING (2" ID x 2")
12	148847	1	• • BUSHING (1 1/4" ID x 1")
13	149267	2	• • SPACER (Extension cylinder)
14	300437	4	• • BOLT, Hex head (3/8"-16 x 7/8" Grade 5)
15	101297	12	• • BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
16	149015	1	• • BOLT, Hex head/patch (5/8"-16 x 7/8" Grade 8, ZP)
17	139193	1	• • BOLT, Hex head patch (3/8"-16 x 7/8" Grade 8, ZP)
18	125959	19	• • WASHER, Flat (3/8")
19	700782	1	• • WASHER, Flat (5/8")
20	152306	1	• • PAD, Wear - boom
21	103871	2	• • BOLT, Hex head (3/8"-16 x 1.75" Grade 5)
22	(Ref.)	1	• FLY BOOM ASSEMBLY (For components, refer to 2.3 Fly Boom)
23	(Ref.)	1	• E-CHAIN ASSEMBLY (For components, refer to 2.5 Cable Track)
-	161980	1	• BOOM EXTEND LIMIT SWITCH ASSEMBLY
24	112248	2	• • SCREW, Round head machine (#8-32 x 1")
25	103991	2	• • WASHER, Flat (#8)
26	138765	2	• • NUT, Hex lock (#8-32 Grade 5, nylon)
27	207016	1	• • SWITCH, Limit (with adjustable lever arm)
	207849	1	• • • BODY, Limit switch
	160009	1	• • • HEAD, Limit switch
	160011	1	• • • LEVER, Limit switch
28	207853	1	• • • CORD, Limit Switch (17 m)
29	(Ref.)	1	• EXTENSION CYLINDER (For components, refer to 3.1 Extension Cylinder)
30	(Ref.)	1	• MAIN BOOM LIFT CYLINDER (For components, refer to 3.2 Lift Cylinder)

2.1 Main & Fly Boom Assembly



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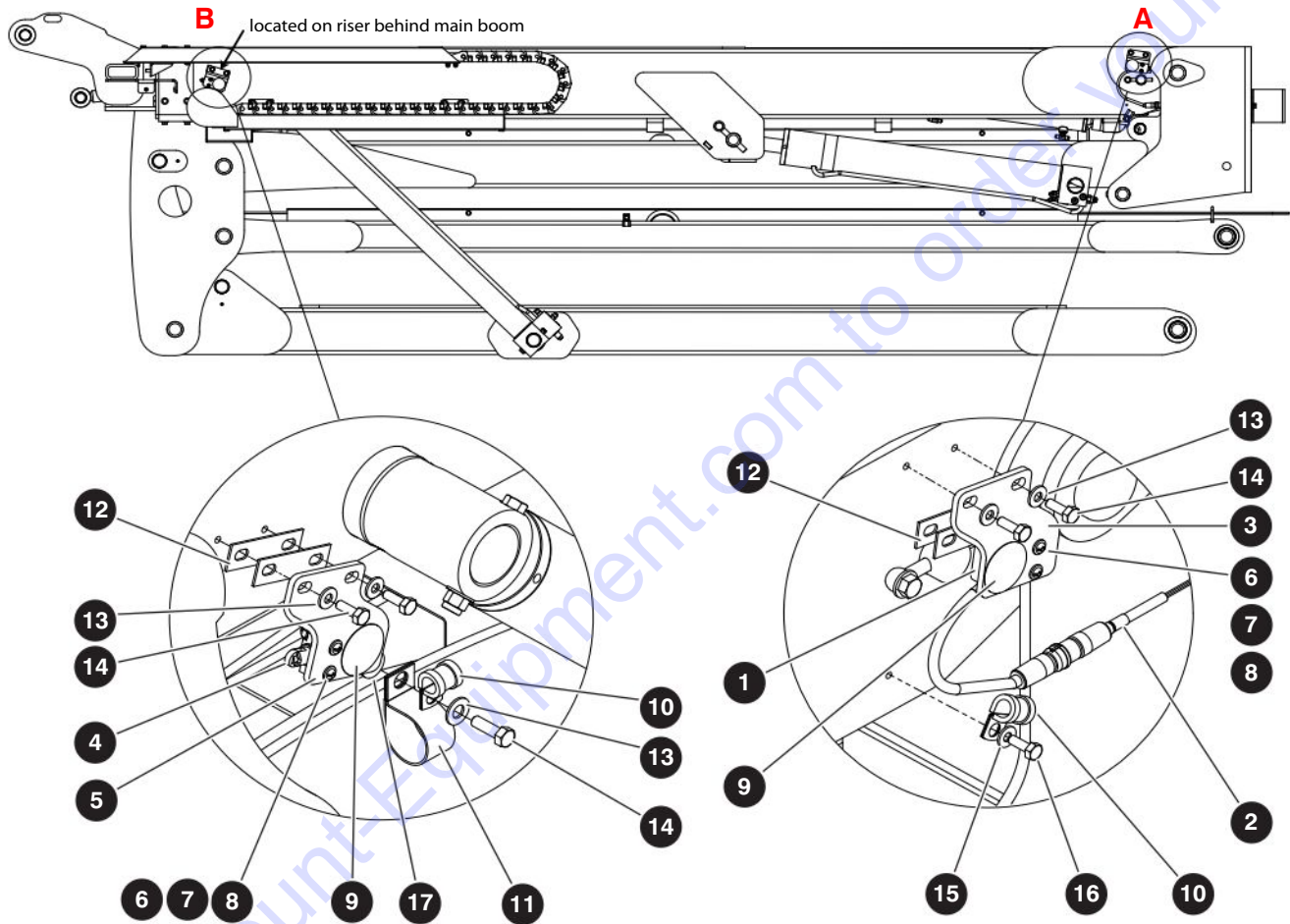
SJ46 AJ+

SKYJACK

2.1 Main & Fly Boom Assembly

Index No.	Skyjack Part No.	Qty.	Description
31	(Ref.)	1	<ul style="list-style-type: none"> • MASTER CYLINDER (For components, refer to 3.5 Master Cylinder)
32	(Ref.)	1	<ul style="list-style-type: none"> • SLAVE CYLINDER (For components, refer to 3.6 Slave Cylinder)
33	(Ref.)	1	<ul style="list-style-type: none"> • E-CHAIN HOSE KIT (Not Shown) (For components, refer to 8.2 Hydraulic Hoses - Boom)

2.2 Boom Limit Switches



M162345AB

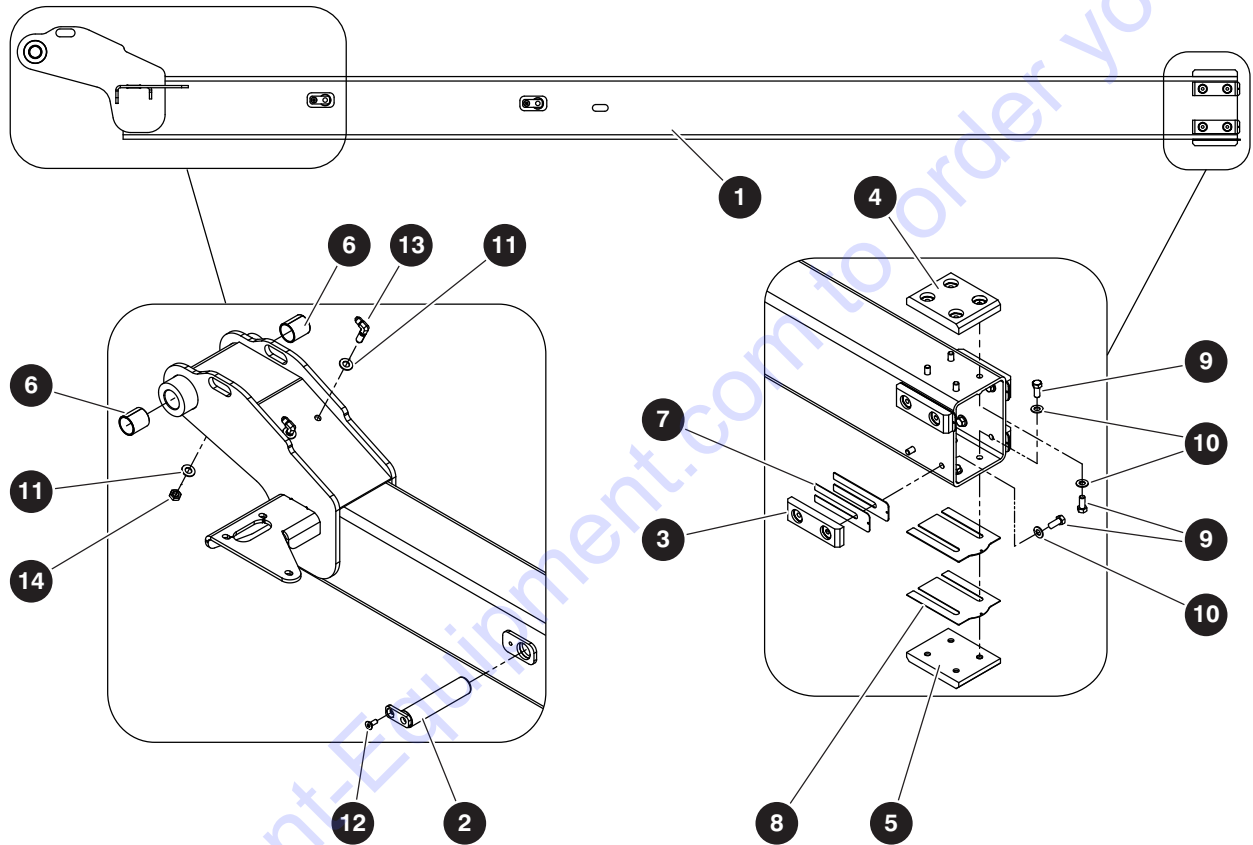
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SJ46 AJ+

2.2 Boom Limit Switches

Index No.	Skyjack Part No.	Qty.	Description
-	162345	1	LIMIT SWITCH ASSEMBLY - MAIN AND RISER BOOM
A	162362	1	• BRACKET ASSEMBLY, Limit Switch
1	207017	1	• • SWITCH ASSEMBLY, Roller plunger
2	207853	1	• • • CORD, Switch
	207849	1	• • • BODY, Limit switch
	207850		• • • HEAD, Limit switch
3	162363	1	• • BRACKET
B	162370	1	• BRACKET ASSEMBLY, Limit Switch
4	199546	1	• • SWITCH, Limit, roller plunger
	207850		• • • HEAD, Limit switch
5	162363	1	• • BRACKET
6	152294	2	• • SCREW, Round head machine (#8-32 x 1.25"), A, B
7	138765	2	• • NUT, Hex head nylon lock (#8-32, Grade 5), A, B
8	103991	4	• • WASHER, Flat (#8), A, B
9	156613	1	• • LABEL, Do not alter, A, B
10	149495	2	• CLAMP, Tube (cushioned)
11	409187	1	• CLAMP, Hose (1-1/2")
12	161053	4	• SHIM
13	103995	5	• WASHER, Flat (1/4")
14	103856	5	• BOLT, Hex head (1/4"-20 x 0.75", Grade 5)
15	103472	2	• WASHER, Flat (3/8")
16	103864	1	• BOLT, Hex head (5/16"-18 x 1.00", Grade 5)
17	103984	1	• NUT, Hex head nylon lock (5/16"-18, Grade 5)

2.3 Fly Boom



M161978AB

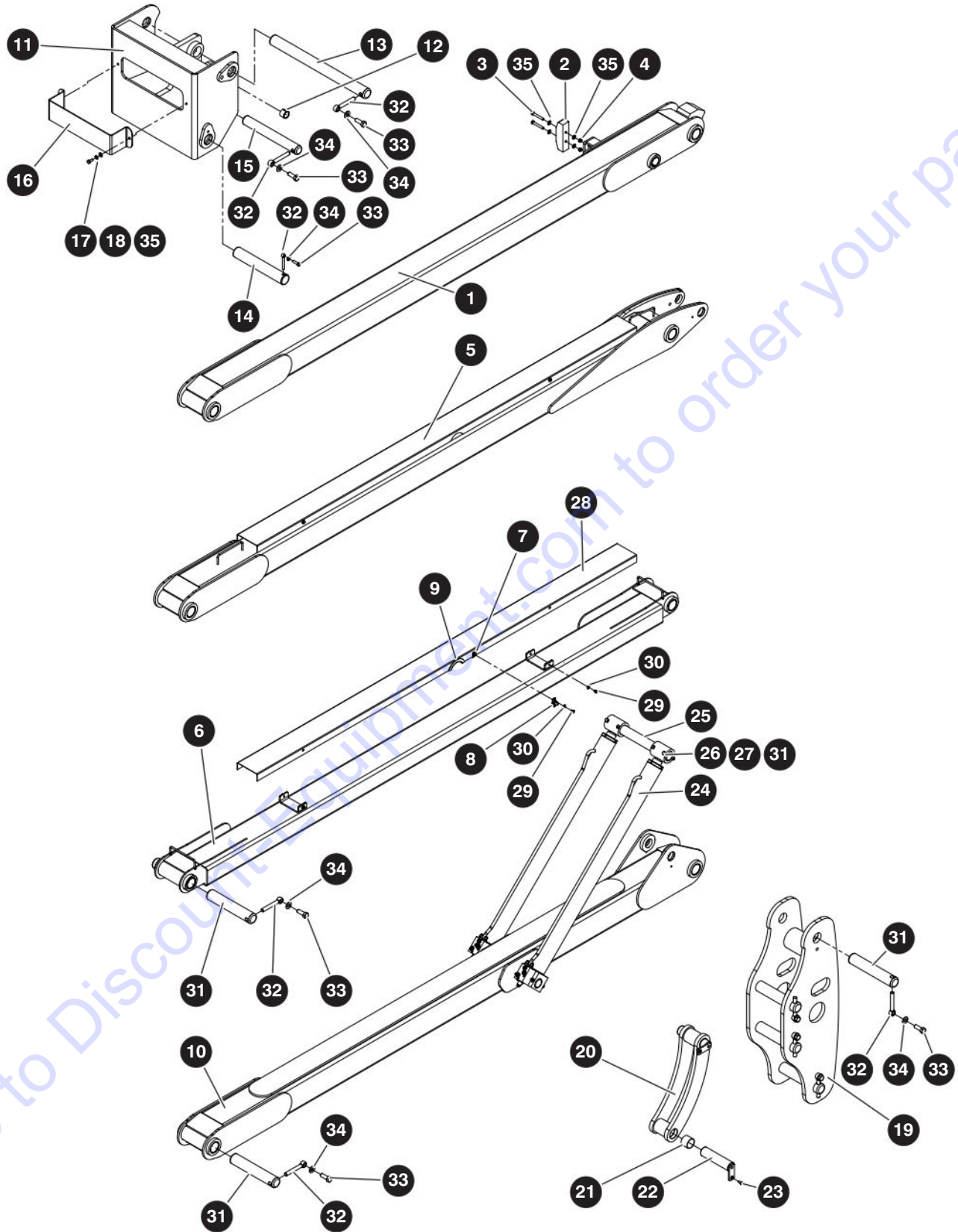
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SJ46 AJ+

2.3 Fly Boom

Index No.	Skyjack Part No.	Qty.	Description
-	218069	1	FLY BOOM
1	161986	1	• FLY BOOM WELDMENT
2	148839	2	• PIN WELDMENT (1 1/4" diameter x 5 11/16")
3	148828	4	• PAD, Side
4	148826	1	• PAD, Top
5	148827	1	• PAD, Bottom
6	125262	2	• BUSHING, CJS 2024 (1.25" ID x 1.50" lg)
7	148837	AR	• SHIM, 16 Gauge (side)
	148838	AR	• SHIM, 20 Gauge (side)
8	148829	AR	• SHIM, 16 Gauge (bottom)
	148830	AR	• SHIM, 20 Gauge (bottom)
9	300437	16	• BOLT, Hex head (3/8"-16 x 7/8" Grade 5)
10	103472	24	• WASHER, Flat (3/8")
11	119313	4	• WASHER, Flat (7/16")
12	704642	2	• SCREW, Flat head cap (5/16"-18 x 3/4" Grade 5)
13	149418	2	• FITTING, Elbow 90° bulkhead (04 JICM - 04 JICM)
14	143963	2	• FITTING, Nut bulkhead (04 JIC)

2.4 Riser



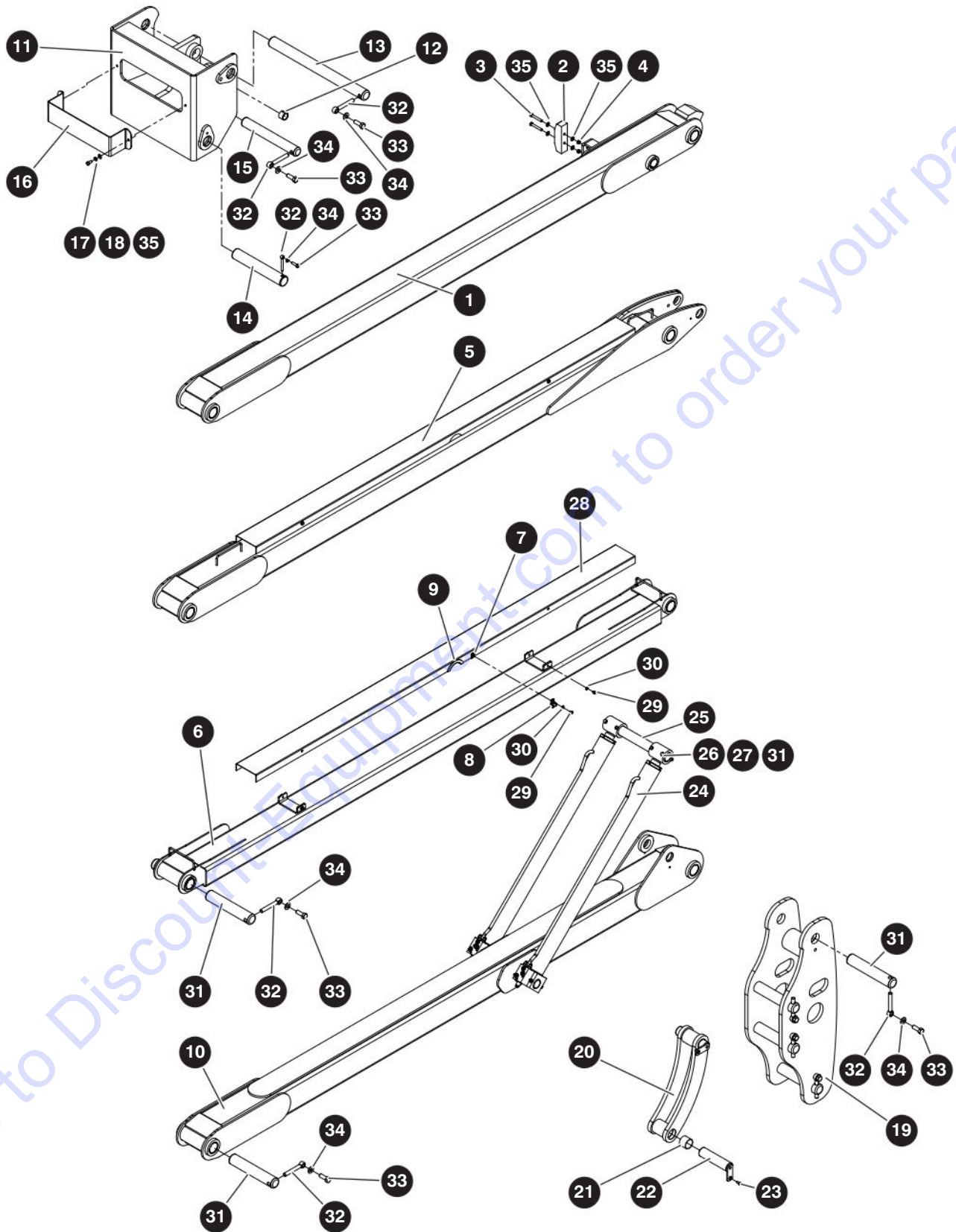
M162334AA

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2.4 Riser

Index No.	Skyjack Part No.	Qty.	Description
-	231357	1	RISER BOOM ASSEMBLY
-	162337	1	• UPPER RISER BOOM
1	162338	1	• • WELDMENT, Upper riser boom
	148861	2	• • BUSHING (1 3/4" ID x 2")
	148817	4	• • BUSHING (2" ID x 2")
2	152525	1	• • PAD, Bumper
3	103873	2	• • BOLT, Hex head (3/8"-16 x 2 1/2" Grade 5)
4	144238	2	• • NUT, Torque lock (3/8"-16, Grade C)
5	148786	1	• THIRD RISER BOOM
	148787	1	• • WELDMENT, Third riser boom
	148817	4	• • BUSHING (2" ID x 2")
-	218062	1	• SECOND RISER BOOM
6	148781	1	• • WELDMENT, Second riser boom
	148817	4	• • BUSHING (2" ID x 2")
7	152516	2	• • NUT RETAINER, J-Type (1/4"-20)
8	144129	2	• • CLIP, Single
9	117398	7.4"	• • TRIM, Protective
10	158763	1	• LOWER RISER BOOM
	158764	1	• • WELDMENT, Lower riser boom
	148861	2	• • BUSHING (1 3/4" ID x 2")
	148817	4	• • BUSHING (2" ID x 2")
-	162339	1	• UPPER PIVOT WELDMENT
11	169109	1	• • WELDMENT, Upper pivot
12	148847	1	• • BUSHING (1 1/4" ID x 1")
13	148823	1	• • PIN (2" diameter x 24.188")
14	169110	1	• • PIN (2" diameter x 12.375")
15	148824	1	• • PIN (2" diameter x 13.75")
16	148906	1	• • PLATE, Guard
17	101632	2	• • BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
18	103999	2	• • WASHER, Lock (3/8")
-	162335	1	• LOWER PIVOT
19	162336	1	• • WELDMENT, Lower pivot
-	148813	1	• RISER LINK WELDMENT
20	148814	1	• • WELDMENT, Riser link
21	101564	6	• • BUSHING (1-3/4" ID x 1")
22	152319	2	• • PIN (1.75" diameter x 7")
23	704642	2	• • SCREW, Flat head cap (5/16"-18 x 3/4" Grade 5)
-	158769	1	• RISER LIFT CYLINDER ASSEMBLY
24	(Ref.)	2	• • CYLINDER, Riser lift (For components, refer to 3.4 Riser Cylinder)
25	158770	2	• • PIN (1.75" diameter x 15.00")
26	103916	2	• • BOLT, Hex head (3/8"-16 x 3.25", Grade 5)
27	104606	4	• • NUT, Hex head nylon lock (3/8"-16, Grade 5)
28	148855	2	• COVER, Riser
29	112495	10	• BOLT, Hex head (1/4"-20 x 3/8" Grade 5)
30	103995	10	• WASHER, Flat hardened (1/4")

2.4 Riser



M162334AA

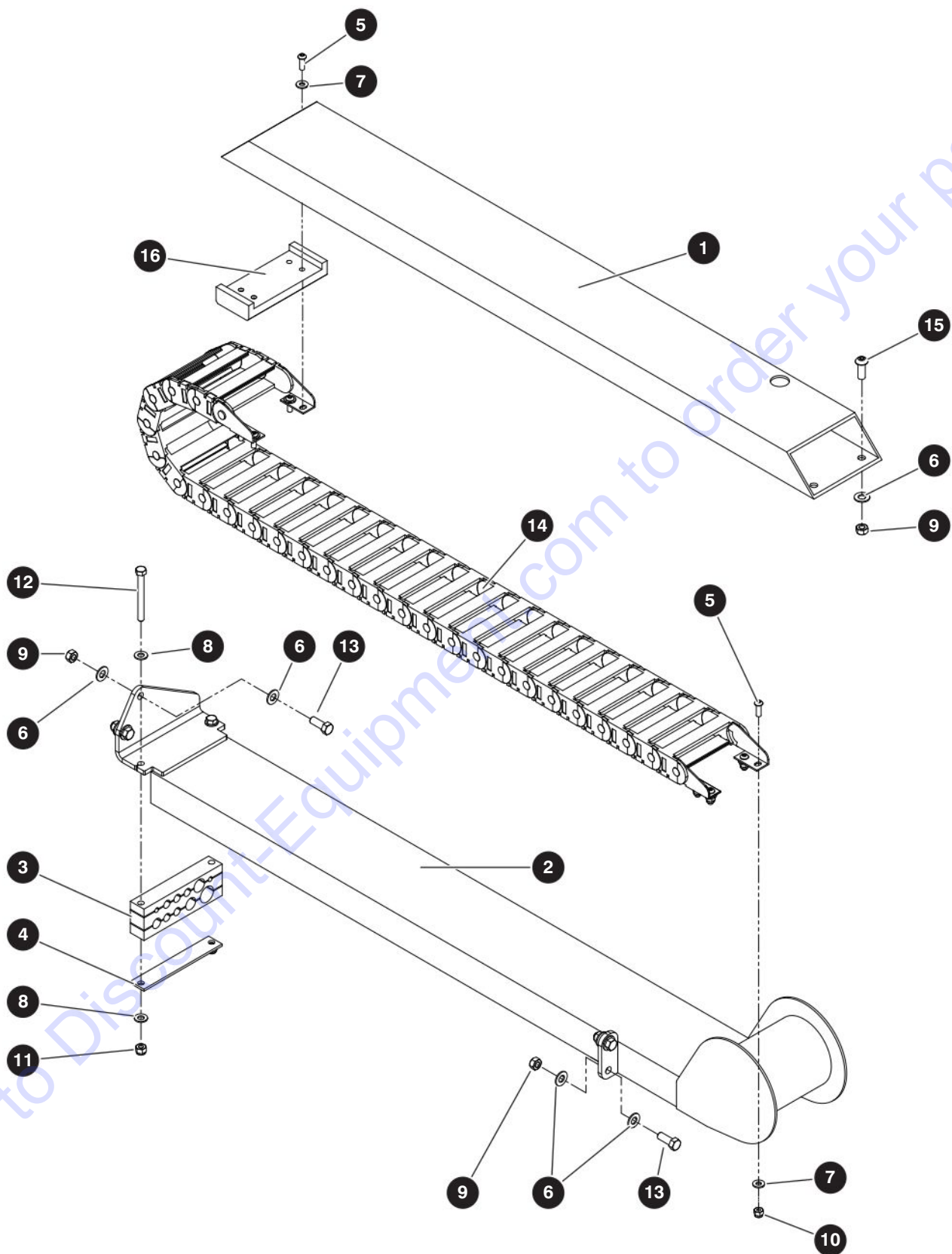
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2.4 Riser

Index No.	Skyjack Part No.	Qty.	Description
31	148819	6	• PIN (2" diameter x 11.063")
32	146898	9	• KEEPER PIN (5/8")
33	148944	9	• BOLT, Hex head patch (5/8"-11 x 1 3/4" Grade 8)
34	700782	9	• WASHER, Flat hardened (5/8")
35	103472	6	• WASHER, Flat (3/8")

2.5 Cable Track



M161979AD

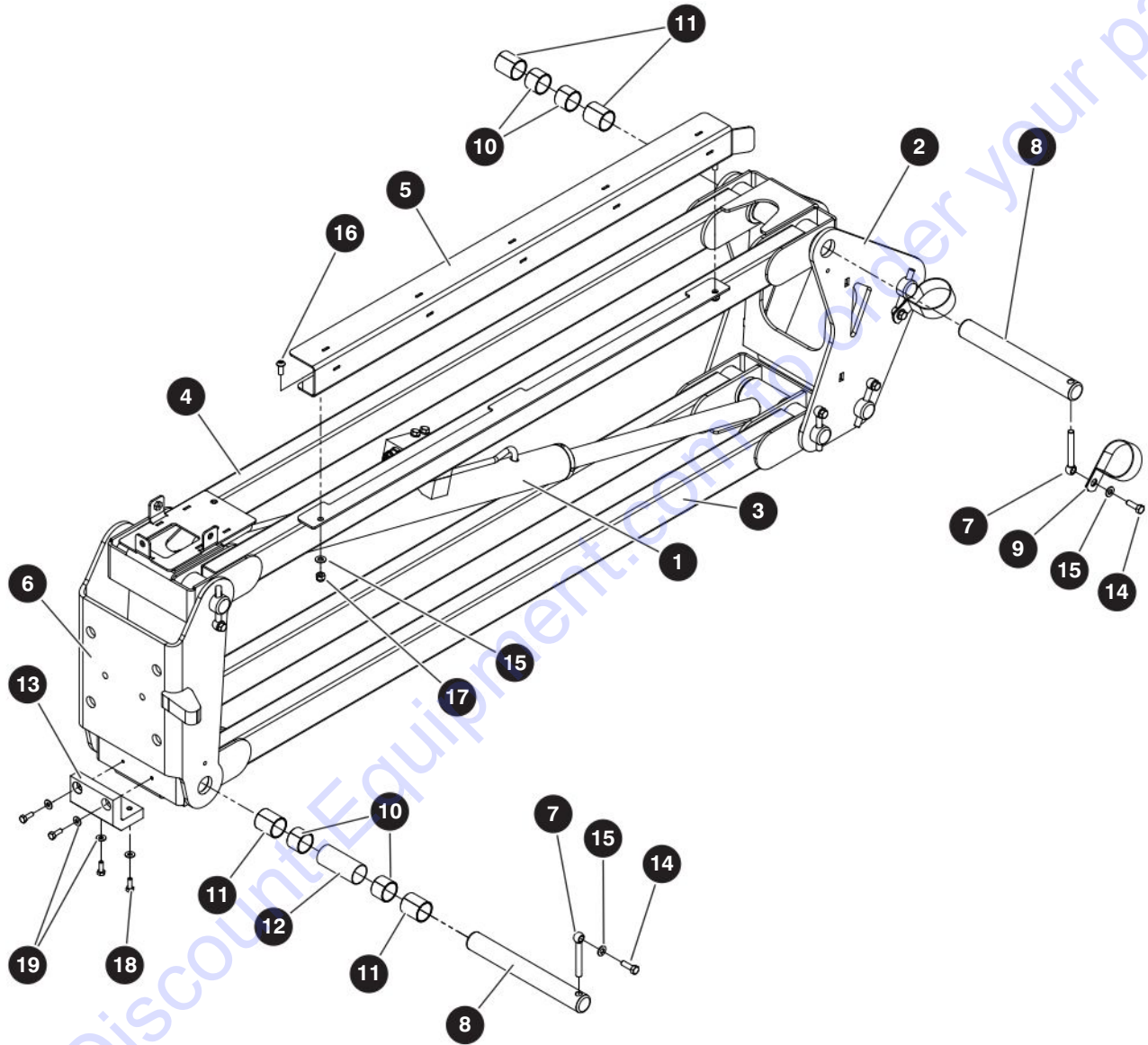
229035ABA

SJ46 AJ+

2.5 Cable Track

Index No.	Skyjack Part No.	Qty.	Description
-	231507	1	CABLE TRACK
1	161990	1	• TUBE, E-chain upper
2	161992	1	• TUBE, E-chain lower
3	231503	1	• CLAMP, Hose
4	710210	1	• PLATE, Hose guide
5	139168	8	• SCREW, Button head cap (1/4"-20 x 0.75")
6	103472	11	• WASHER, Flat (3/8")
7	103995	8	• WASHER, Flat (1/4")
8	103996	4	• WASHER, Flat (5/16")
9	144238	7	• NUT, Torque lock (3/8"-16 Grade C)
10	115649	4	• NUT, Hex head nylon lock (1/4"-20 Grade 5)
11	103984	2	• NUT, Hex head nylon lock (5/16"-18 Grade 5)
12	103867	2	• BOLT, Hex head (5/16"-18 x 3.00" Grade 5)
13	103473	4	• BOLT, Hex head (3/8"-16 x 1.00" Grade 5)
14	168334	1	• E-CHAIN, 250 series, 26 links, A
	210078	1	• • MOUNTING BRACKET SET
	210077	A/R	• • LINK, E-Chain
	210074	A/R	• • SEPARATOR, E-Chain
15	103949	3	• SCREW, Button head cap (3/8"-16 x 1.00")
16	196488	1	• PAD, Wear

2.6 Jib



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SJ46 AJ+

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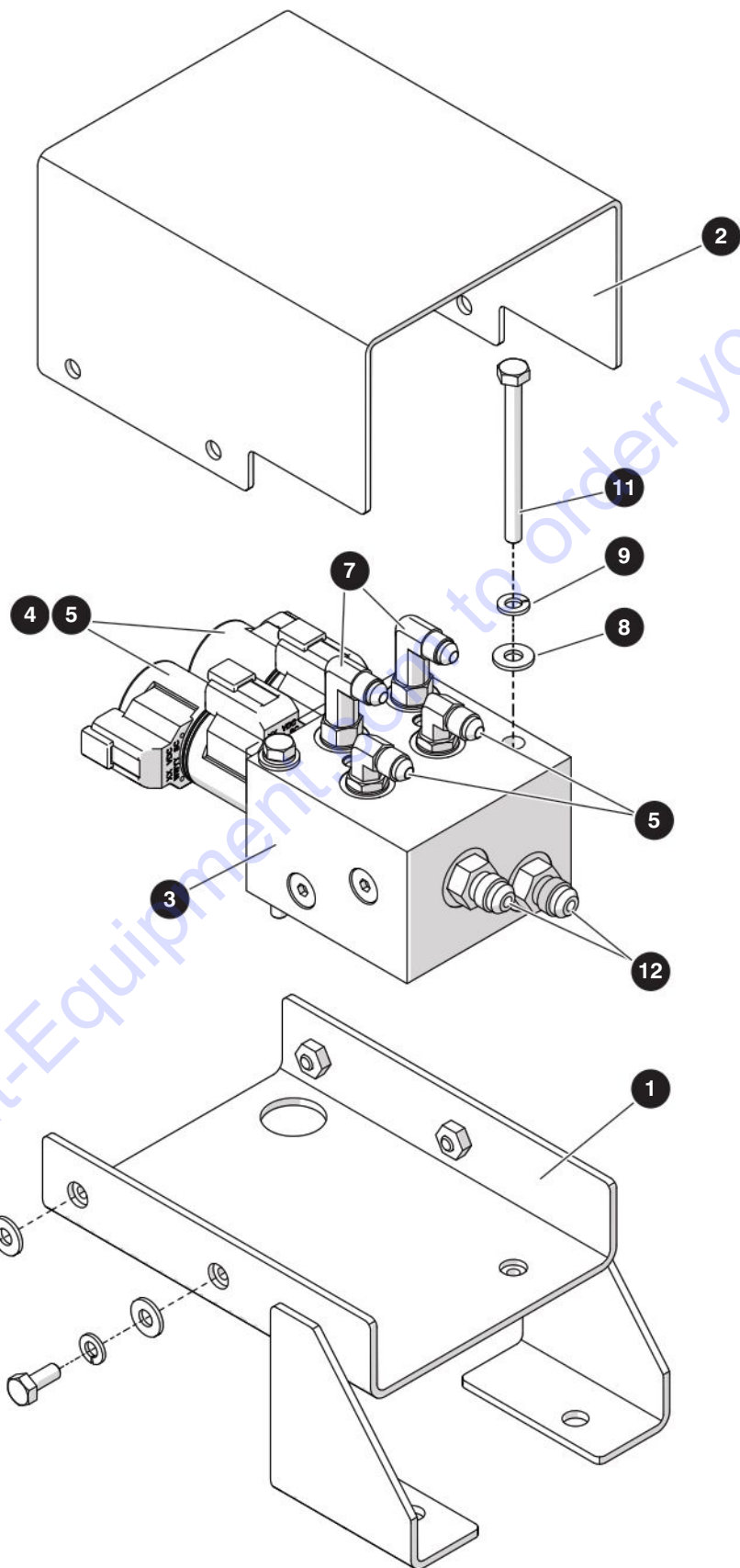
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2.6 Jib

Index No.	Skyjack Part No.	Qty.	Description
-	218053	1	JIB BOOM
1	(Ref.)	1	<ul style="list-style-type: none"> JIB CYLINDER (For components, refer to 3.7 Jib Cylinder)
2	218054	1	<ul style="list-style-type: none"> BRACKET, Jib mount
3	218059	1	<ul style="list-style-type: none"> WELDMENT, Lower arm
4	218056	1	<ul style="list-style-type: none"> WELDMENT, Upper arm
5	148891	1	<ul style="list-style-type: none"> COVER, Hose
6	167659	1	<ul style="list-style-type: none"> BRACKET, Platform mount
7	146897	6	<ul style="list-style-type: none"> KEEPER PIN (3/8")
8	148890	6	<ul style="list-style-type: none"> PIN (1 1/4" diameter x 10 3/16")
9	143987	2	<ul style="list-style-type: none"> CLAMP (2 1/2")
10	148847	8	<ul style="list-style-type: none"> BUSHING (1 1/4" ID x 1")
11	125262	8	<ul style="list-style-type: none"> BUSHING (1 1/4" ID x 1 1/2")
12	148920	2	<ul style="list-style-type: none"> SPACER
13	148936	1	<ul style="list-style-type: none"> PAD, Wear
14	148943	6	<ul style="list-style-type: none"> BOLT, Hex head patch (5/16"-18 x 1" Grade 8)
15	103996	8	<ul style="list-style-type: none"> WASHER, Flat (5/16")
16	300064	2	<ul style="list-style-type: none"> SCREW, Button head cap (5/16"-18 x 3/4")
17	103984	2	<ul style="list-style-type: none"> NUT, Hex lock (5/16"-18 Grade 5, nylon)
18	103856	4	<ul style="list-style-type: none"> BOLT, Hex head (1/4"-20 x 3/4" Grade 5)
19	103995	4	<ul style="list-style-type: none"> WASHER, Flat (1/4")

2.7 Jib Manifold



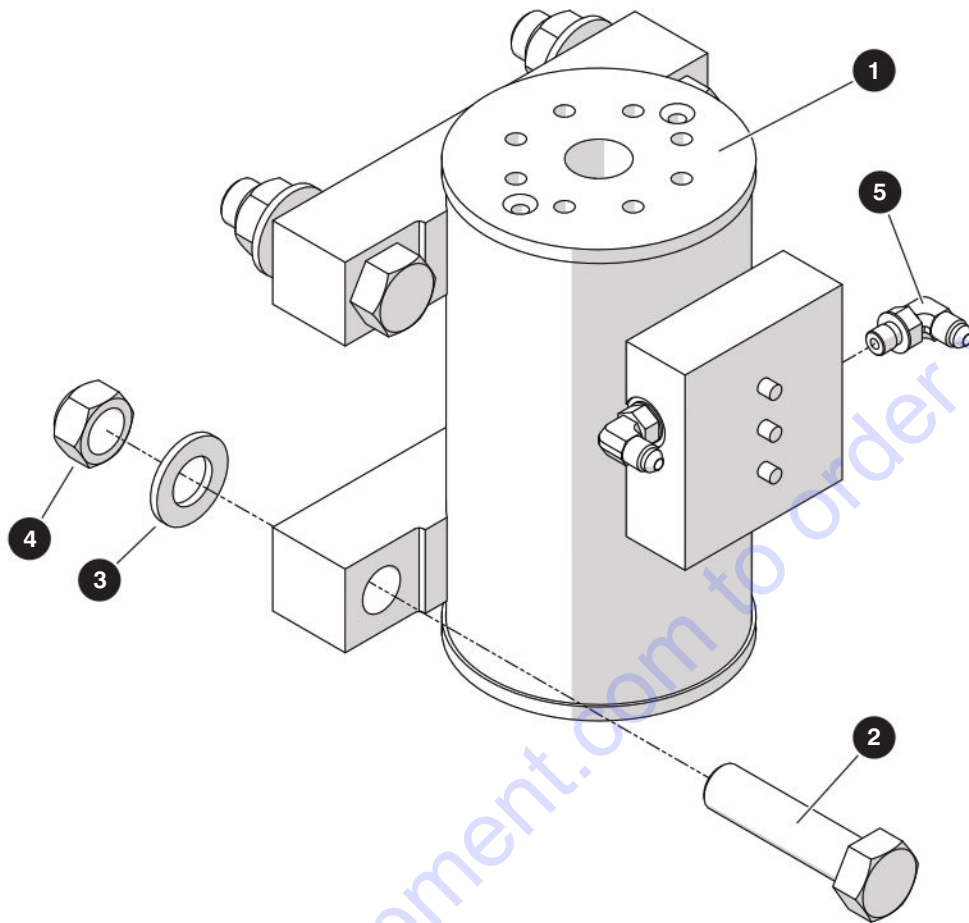
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2.7 Jib Manifold

Index No.	Skyjack Part No.	Qty.	Description
-	231510	1	JIB MANIFOLD
1	231514	1	• SUPPORT, Manifold
2	231517	1	• COVER
3	231501	1	• MANIFOLD, Jib
4	166036	2	• • VALVE
5	208881	4	• • COIL
6	125883	2	• • FITTING, 90° (04JICM-04ORBM)
7	147552	2	• • FITTING, 90° long (04JICM004ORBM)
8	103995	6	• WASHER, Flat (1/4")
9	104000	6	• WASHER, Lock (1/4")
10	103892	4	• BOLT, Hex head (0.25"-20 x 0.625" Grade 5)
11	113583	2	• BOLT, Hex head (0.25"-20 x 3.00" Grade 5)
12	701956	2	• FITTING, Straight (04 JICM - 06 ORBM)

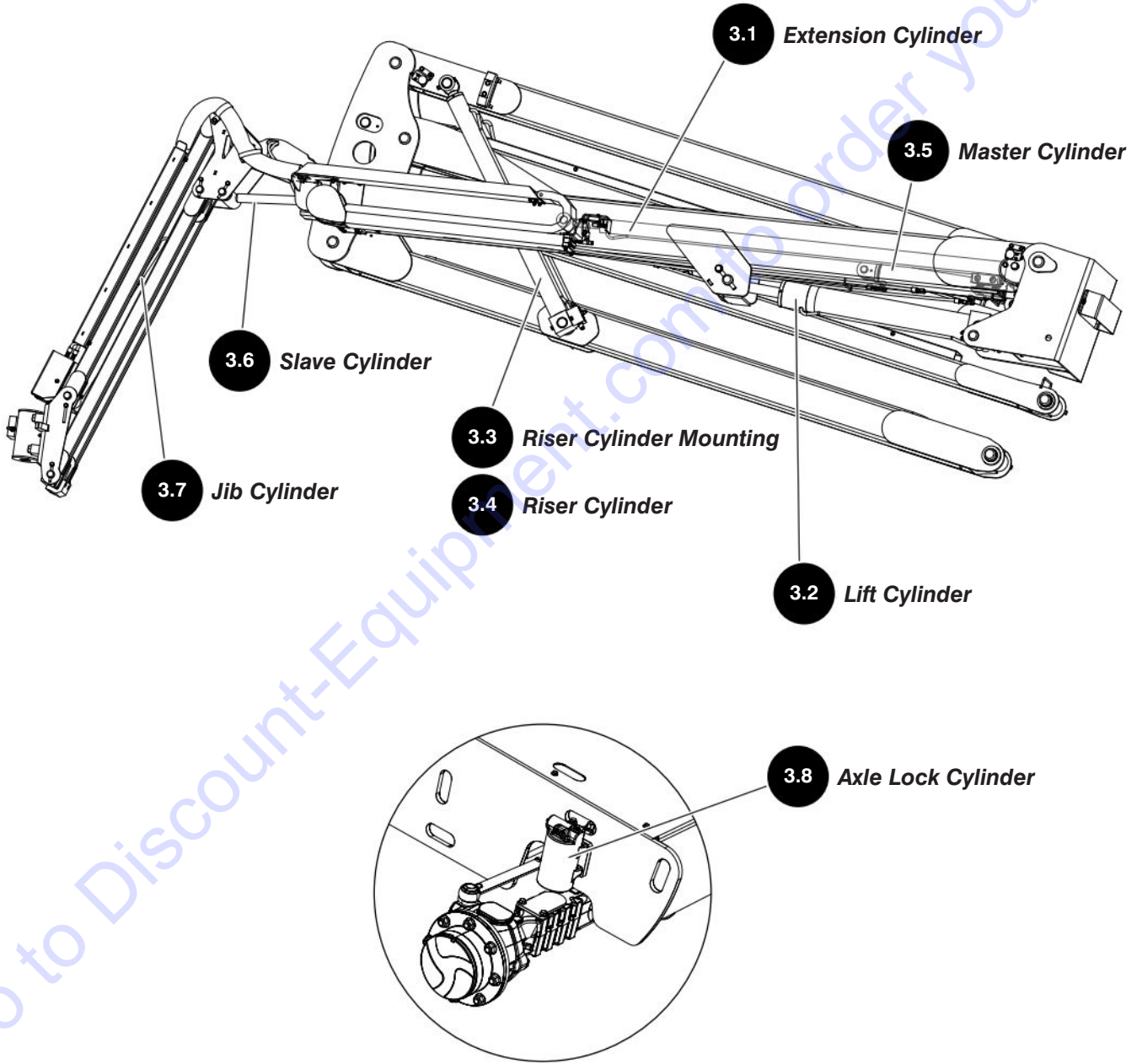
2.8 Rotary Actuator



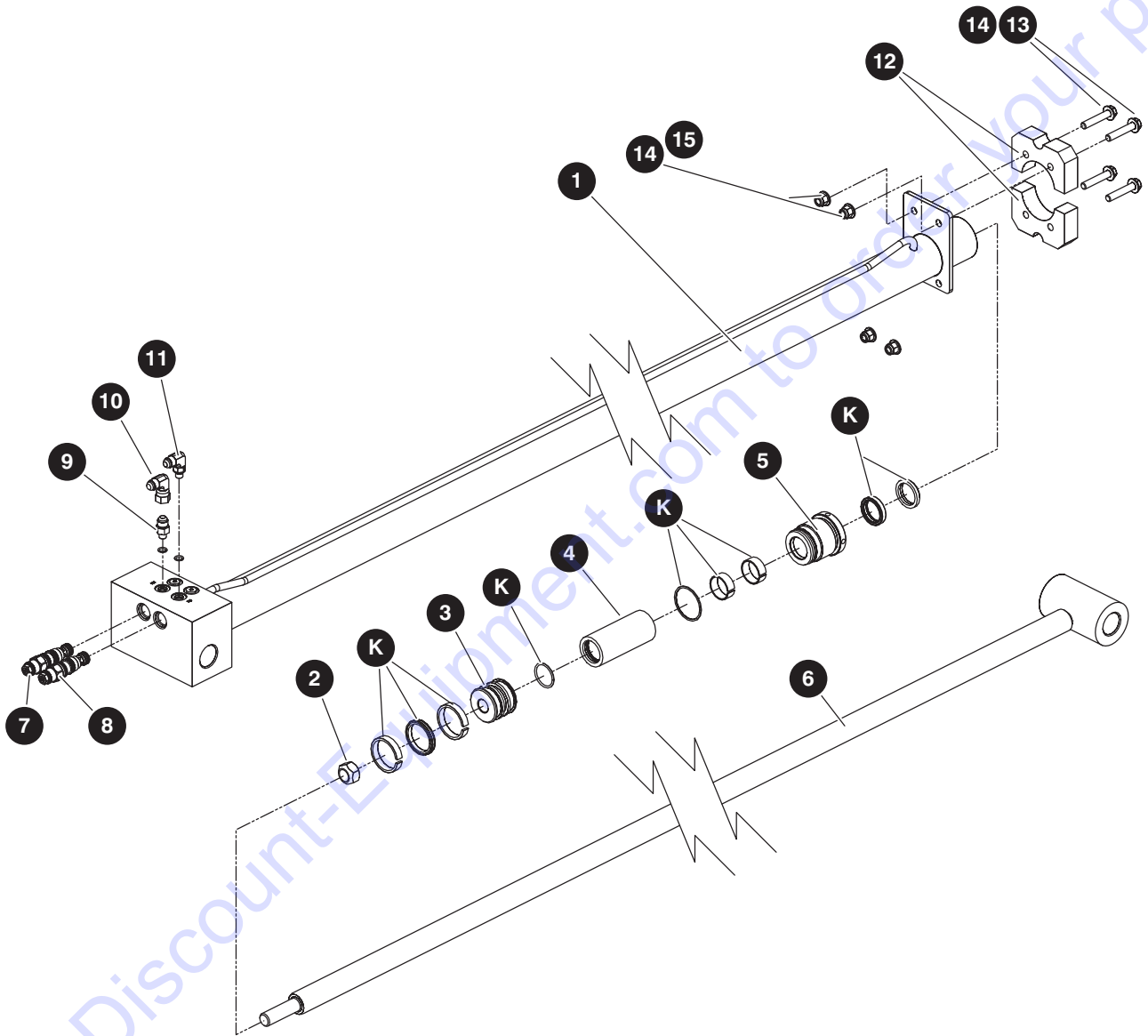
M1467687AA

Index No.	Skyjack Part No.	Qty.	Description
-	231518	1	ROTARY ACTUATOR
1	144710	1	• ACTUATOR, Rotary
2	103894	4	• BOLT, Hex head (3/4"-10 x 3" Grade 8)
3	702194	4	• WASHER, Flat (3/4")
4	700575	4	• NUT, Crownlock (3/4"-10 Grade 8)
5	125883	2	• FITTING, 90° (04 JICM - 04 ORBM)
K	144709	1	SEAL KIT

Section 3 – Cylinders



3.1 Extension Cylinder



M148700AA

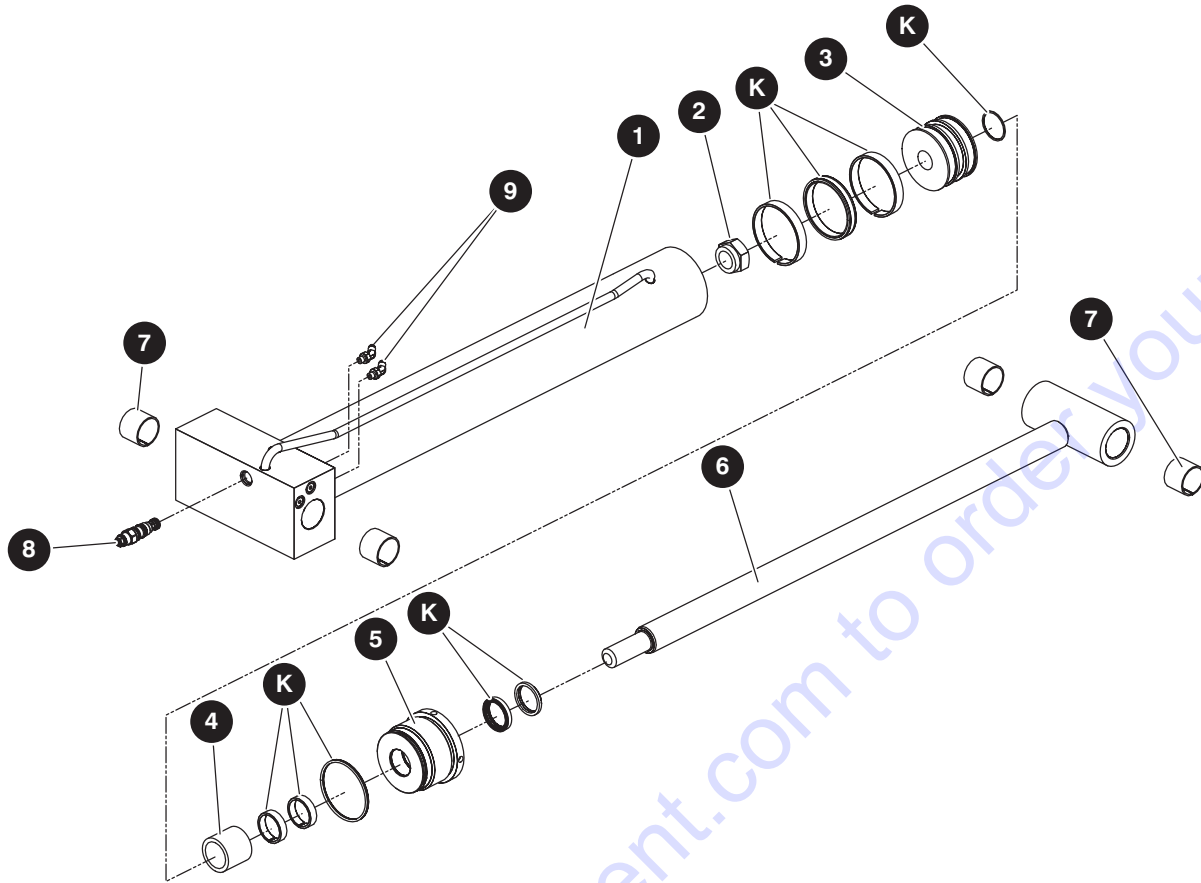
229035ABA

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3.1 Extension Cylinder

Index No.	Skyjack Part No.	Qty.	Description
-	148700	1	EXTENSION CYLINDER
-	148712	1	• EXTENSION CYLINDER
1	154547	1	• • WELDMENT, Tube
2	154539	1	• • NUT, Rod
3	154543	1	• • PISTON
4	154546	1	• • STOP SLEEVE
5	154544	1	• • GLAND
6	154548	1	• • WELDMENT, Rod
7	141453	1	• • VALVE, Counterbalance (1000 psi)
8	149228	1	• • VALVE, Counterbalance (3000 psi)
9	103069	1	• FITTING, Straight (06 JICM - 06 ORBM)
10	702761	1	• FITTING, Elbow 90° (06 JICM - 06 JICFSW)
11	114578	1	• FITTING, Elbow 90° (06 JICM - 06 ORBM)
12	152417	2	• PAD, Wear
13	103596	4	• BOLT, Hex head (3/8"-16 x 2" Grade 5)
14	103472	8	• WASHER, Flat (3/8")
15	104606	4	• NUT, Hex lock (3/8"-16 Grade 5, nylon)
K	154537	1	SEAL KIT

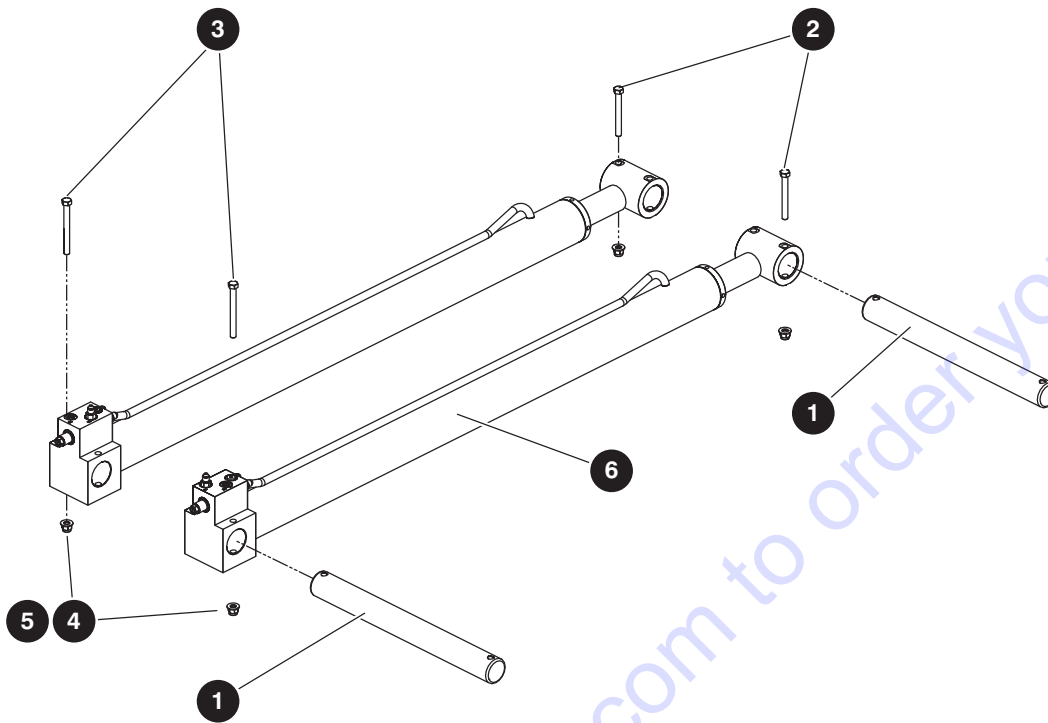
3.2 Lift Cylinder



M148627AA

Index No.	Skyjack Part No.	Qty.	Description
-	220590	1	LIFT CYLINDER
-	210452	1	• CYLINDER, LIFT
1	229055	1	• • BARREL
2	154530	1	• • NUT, Rod
3	230692	1	• • PISTON
5	154535	1	• • GLAND
6	230693	1	• • ROD
7	154533	4	• • BEARING
8	152326	1	• • VALVE, Counterbalance
9	131716	2	• FITTING, Elbow 45° (04 JICM - 04 ORBM)
K	229058	1	SEAL KIT

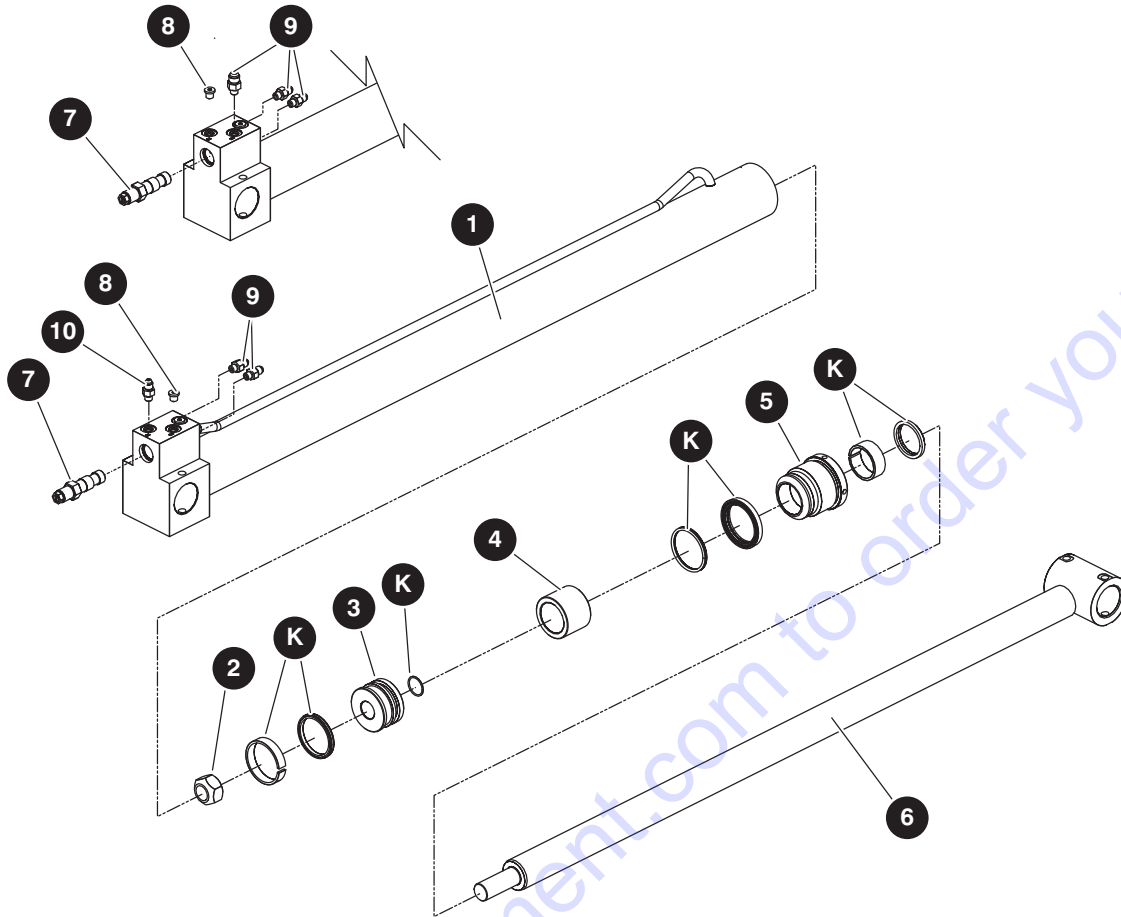
3.3 Riser Cylinder Mounting



M148619AA

Index No.	Skyjack Part No.	Qty.	Description
1	158770	2	PIN (1 3/4" diameter x 15")
2	103916	2	BOLT, Hex head (3/8"-16 x 3 1/4" Grade 5)
3	152350	2	BOLT, Hex head (3/8"-16 x 4" Grade 5)
4	103472	4	WASHER, Flat (3/8")
5	104606	4	NUT, Hex lock (3/8"-16 Grade 5, nylon)
6	(Ref.)	2	RISER CYLINDER ASSEMBLY (For components, refer to 3.4 Riser Cylinder)

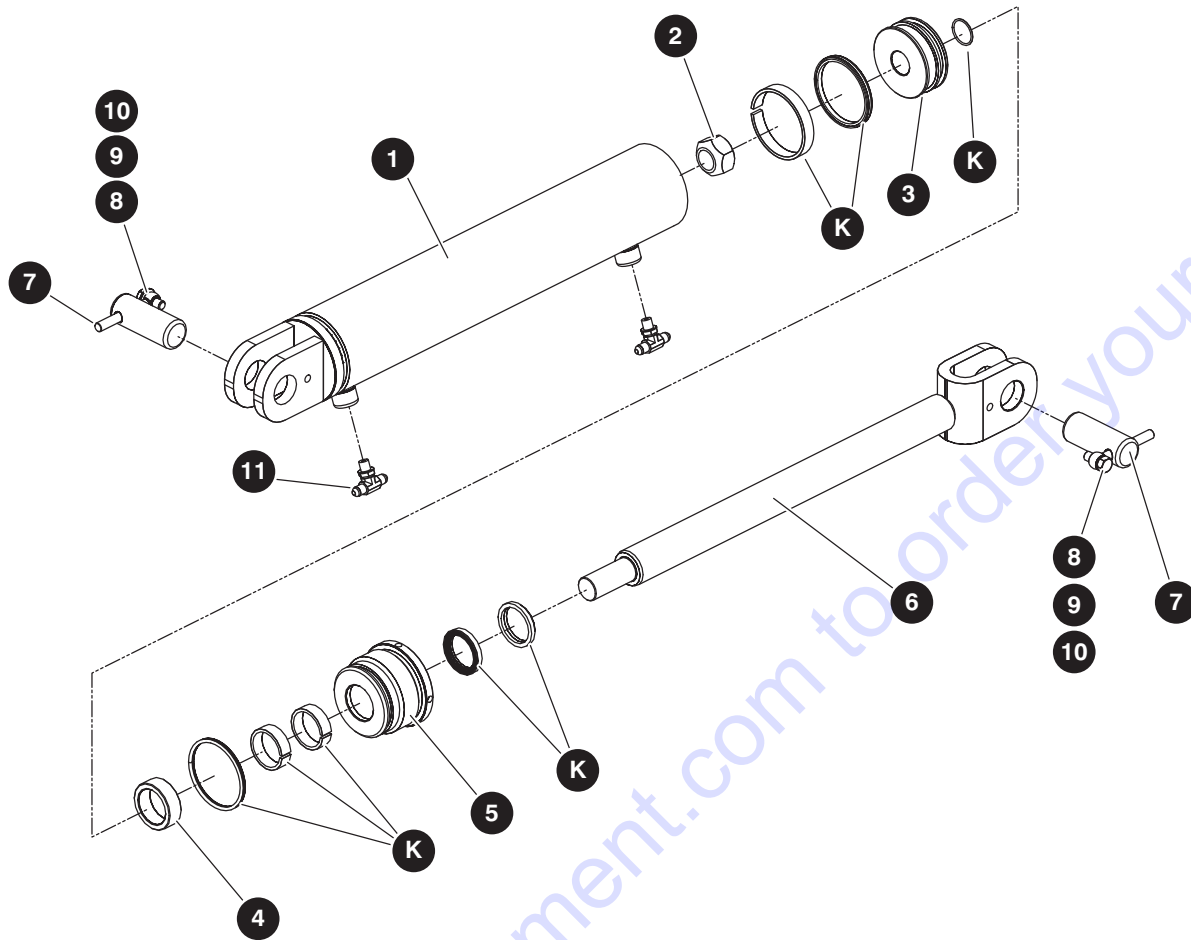
3.4 Riser Cylinder



M148710AB

Index No.	Skyjack Part No.	Qty.	Description
-	148710	2	RISER CYLINDER ASSEMBLY
1	154563	1	• WELDMENT, Tube
2	152256	1	• NUT, Rod
3	154566	1	• PISTON
4	154568	1	• TUBE STOP
5	154567	1	• GLAND
6	154564	1	• WELDMENT, Rod
7	149488	1	• VALVE, Counterbalance
8	121250	2	• PLUG, Hex socket (04 ORBM)
9	128869	5	FITTING, Straight (06 JICM - 04 ORBM)
10	126128	1	FITTING, Straight (04 JICM - 04 ORBM)
K	154562	1	SEAL KIT

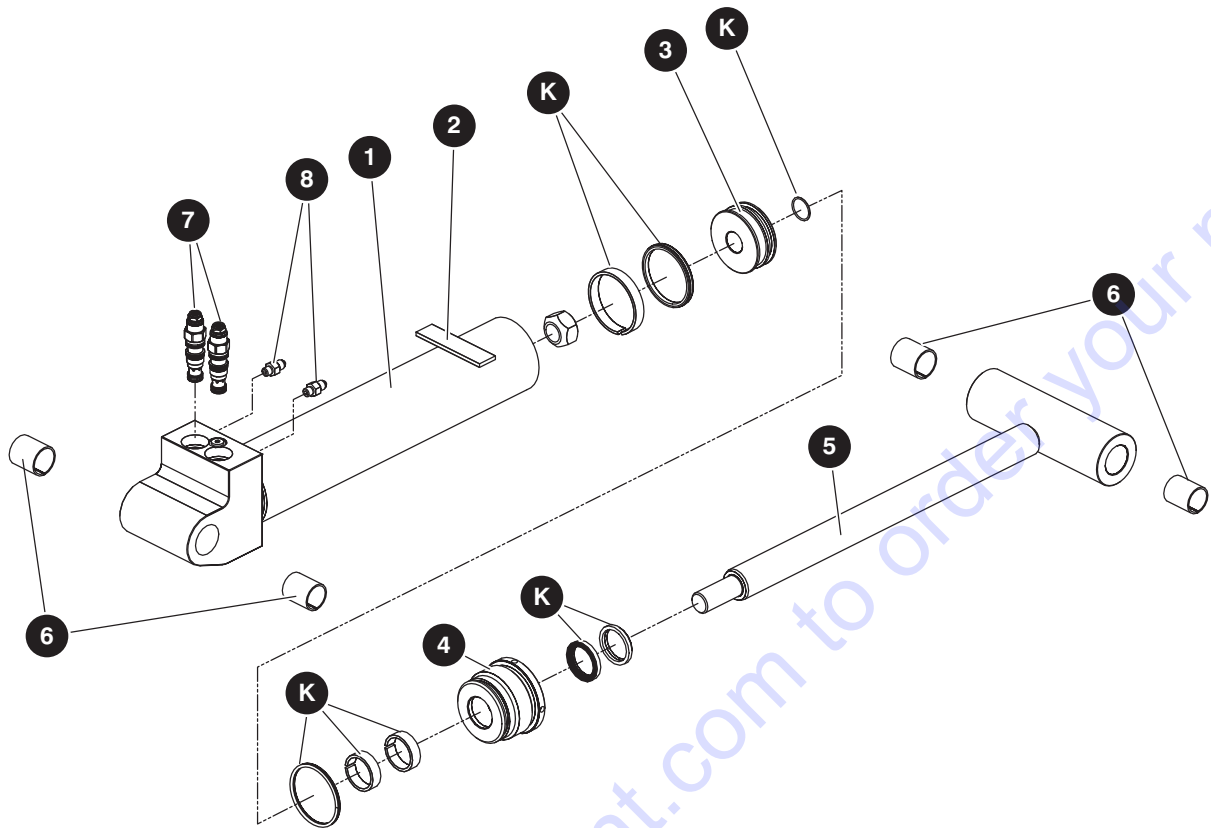
3.5 Master Cylinder



M148628AA

Index No.	Skyjack Part No.	Qty.	Description
-	148628	1	MASTER CYLINDER ASSEMBLY
-	148715	1	• MASTER CYLINDER
1	154525	1	• • WELDMENT, Tube
2	152256	1	• • NUT, Rod
3	154522	1	• • PISTON
4	154527	1	• • TUBE STOP
5	154523	1	• • GLAND
6	154526	1	• • WELDMENT, Rod
7	148846	2	• PIN (1 1/4" diameter x 3 1/8")
8	146897	2	• KEEPER PIN (3/8")
9	139193	2	• BOLT, Hex head patch (3/8"-16 x 7/8" Grade 8, ZP)
10	103472	2	• WASHER, Flat (3/8")
11	132463	2	• FITTING, Tee (04MJ04MB04MJ)
K	154524	1	SEAL KIT

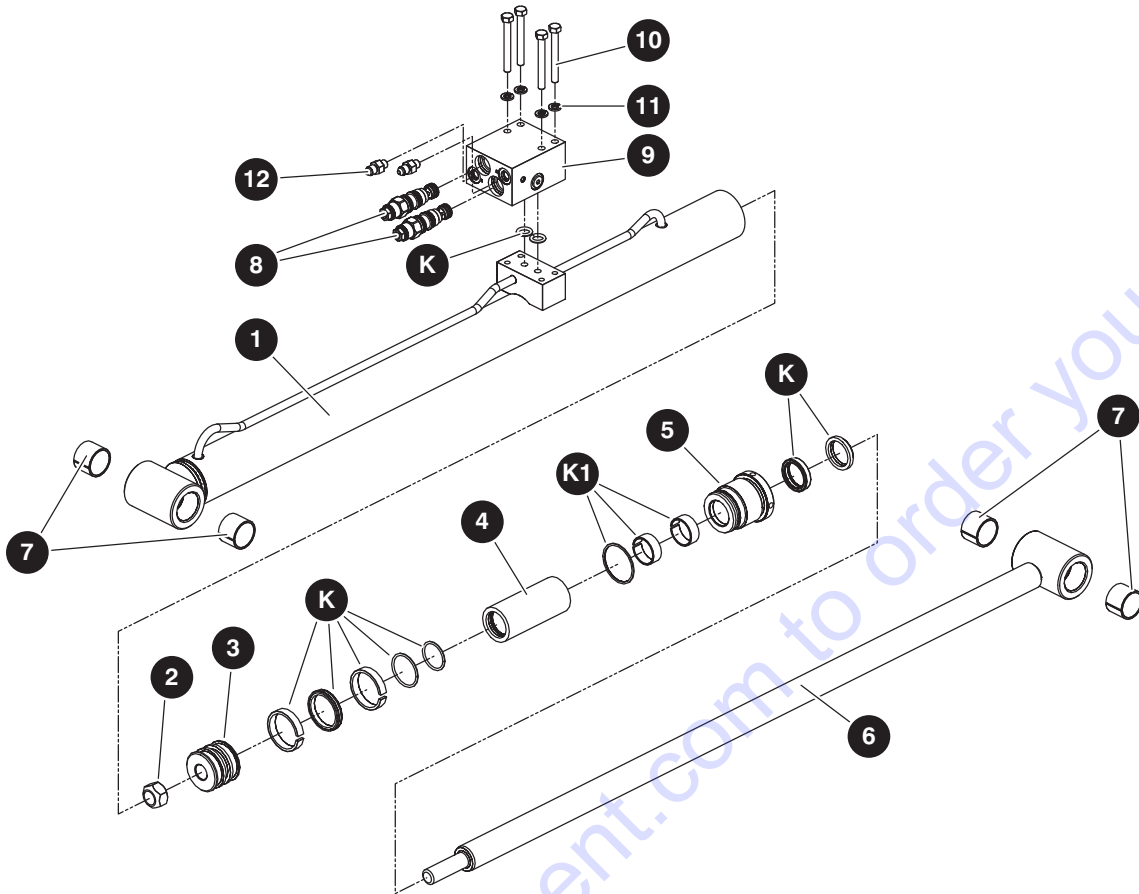
3.6 Slave Cylinder



M148629AA

Index No.	Skyjack Part No.	Qty.	Description
-	148629	1	SLAVE CYLINDER ASSEMBLY
-	148716	1	• SLAVE CYLINDER
1	152255	1	• • WELDMENT, Tube
2	152256	1	• • NUT, Rod
3	154522	1	• • PISTON
4	154523	1	• • GLAND
5	154519	1	• • WELDMENT, Rod
6	154521	4	• • BEARING
7	701827	1	• • VALVE, Counterbalance
8	126128	2	• FITTING, Straight (04 JICM - 04 ORBM)
K	152254	1	SEAL KIT

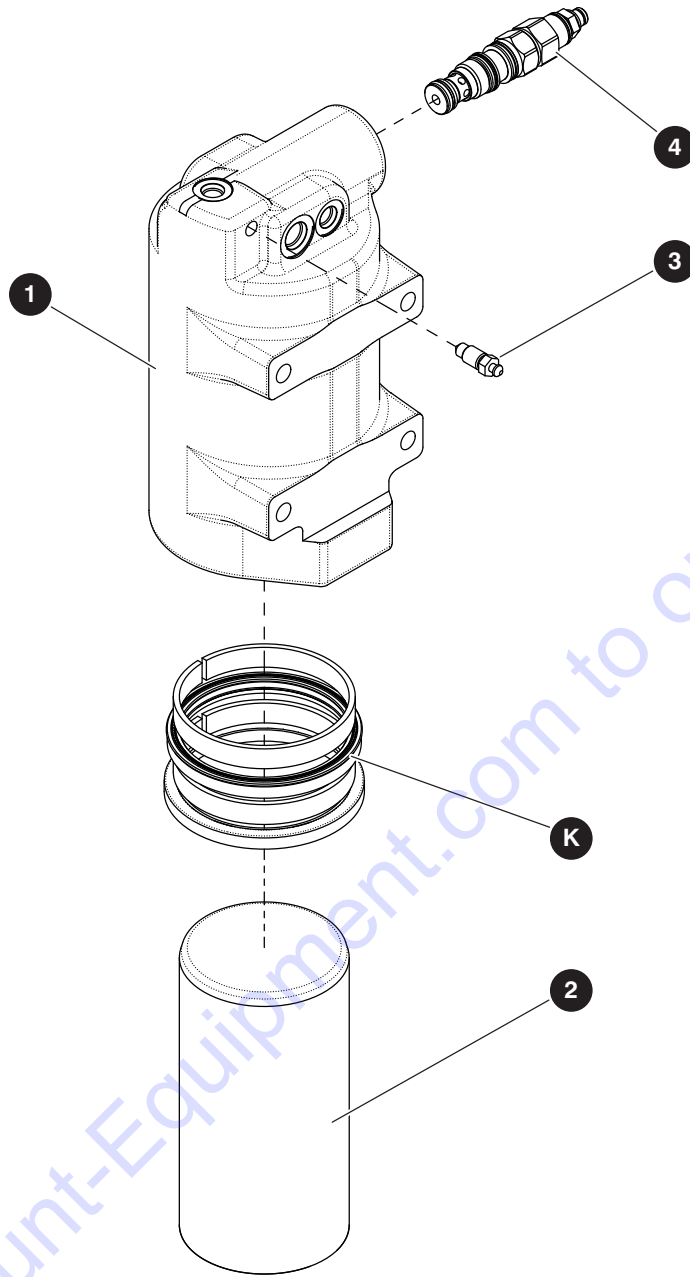
3.7 Jib Cylinder



M148714AB

Index No.	Skyjack Part No.	Qty.	Description
-	218750	1	JIB CYLINDER
1	236648	1	• BARREL
2	154539	1	• NUT, Rod
3	236650	1	• PISTON
4	154546	1	• STOP SLEEVE
5	236651	1	• GLAND
6	236649	1	• ROD
7	236652	4	• BEARING
8	236654	1	• VALVE, Counterbalance
9	154556	1	• BLOCK, Manifold
10	154554	4	• BOLT, Hex head (5/16"-18 x 2 3/4" Grade 5, zinc)
11	154555	4	• WASHER, Flat zinc (5/16")
12	126128	2	• FITTING, Straight (04 JICM - 04 ORBM)
K	236653	1	SEAL KIT

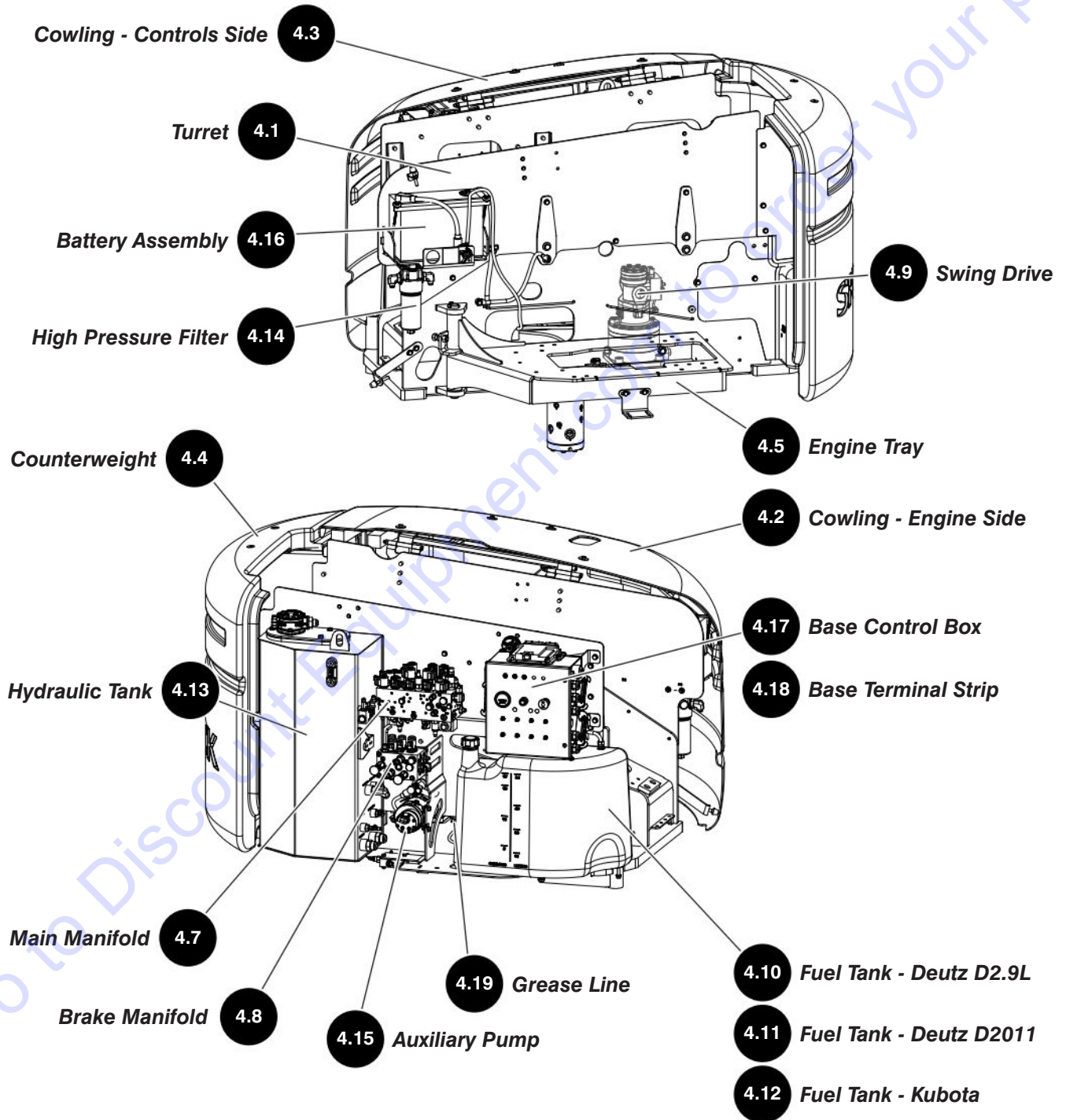
3.8 Axle Lock Cylinder



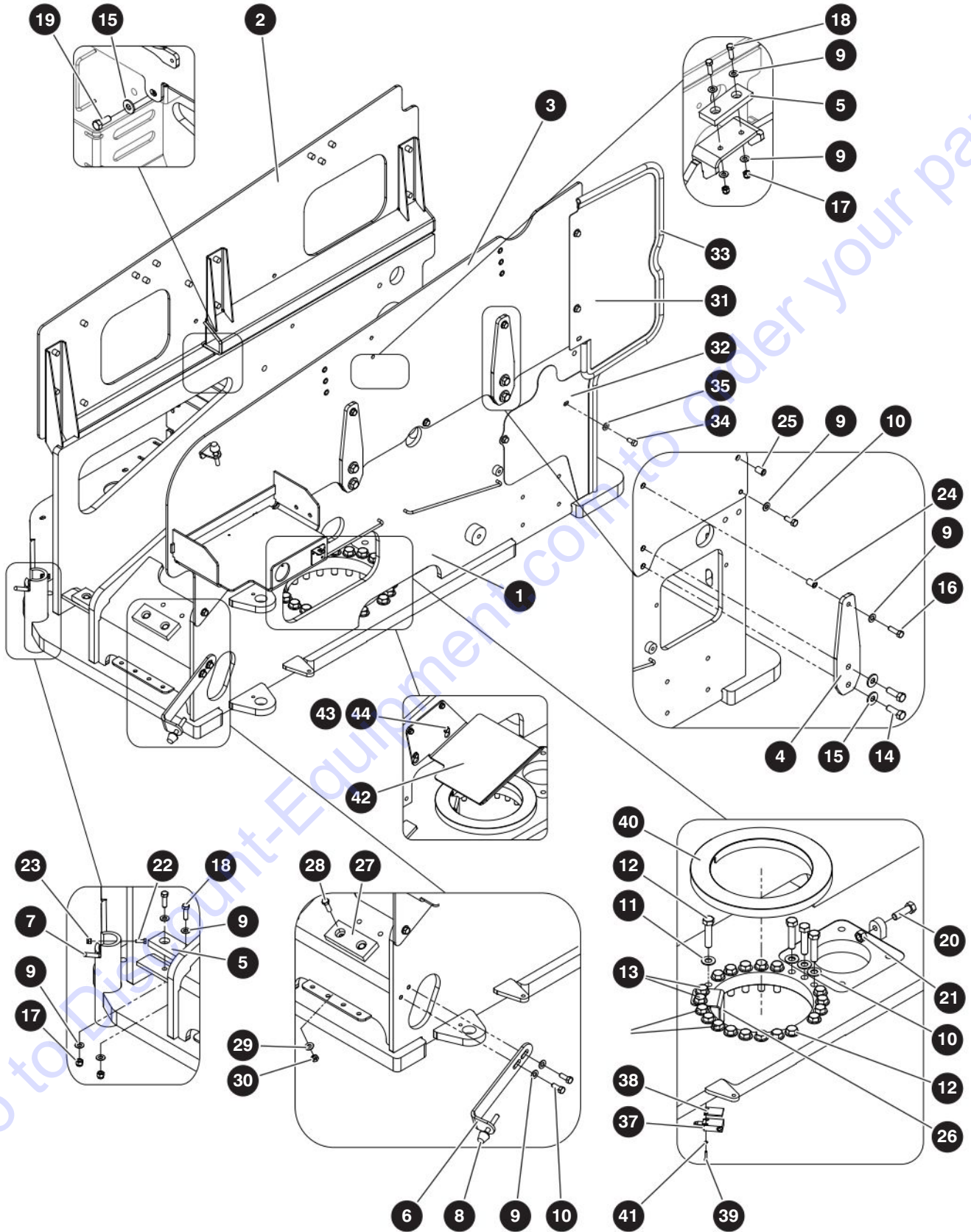
M198433AB

Index No.	Skyjack Part No.	Qty.	Description
-	212871	1	AXLE LOCK CYLINDER
1	154558	1	• BARREL
2	154559	1	• ROD
3	154561	1	• SCREW, Bleed
4	212872	1	• VALVE, Counterbalance - 4800 psi
K	154557	1	SEAL KIT, Axle lock cylinder

Section 4 – Turret



4.1 Turret



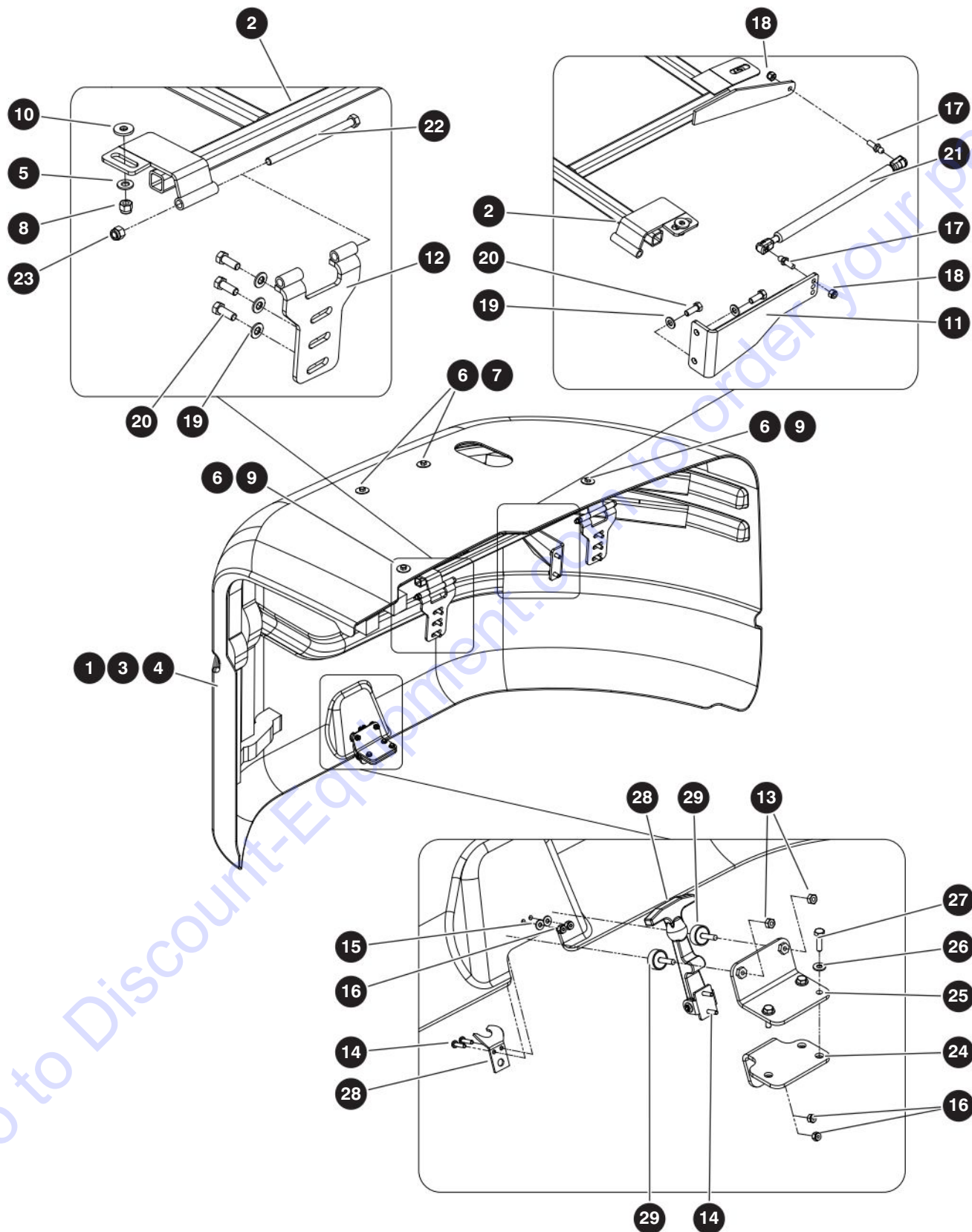
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4.1 Turret

Index No.	Skyjack Part No.	Qty.	Description
-	216668	1	TURRET ASSEMBLY
1	216669	1	• WELDMENT, Turret
2	162290	1	• PLATE, Turret - upper left
3	162291	1	• PLATE, Turret - upper right
4	162292	2	• PLATE, Stiffener - turret
5	162293	2	• PAD, Guide (5.00" x 2.00" x 0.625")
6	162294	1	• BRACKET, Bumper - lower cowling
7	159483	1	• PIN, Transportation locking
8	116494	2	• BUMPER, Engine guard
9	103472	25	• WASHER, Lock (3/8")
10	103473	15	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
11	700782	23	• WASHER, Flat hardened (5/8")
12	701762	21	• BOLT, Hex head (5/8"-11 x 4.5" Grade 8)
13	103895	2	• BOLT, Hex head (5/8"-11 x 4.5" Grade 8)
14	103907	4	• BOLT, Hex head (1/2"-13 x 1.5" Grade 5)
15	104379	5	• WASHER, Flat (0.5" hard)
16	117430	2	• BOLT, Hex head (3/8"-16 x 1.25" Grade 8)
17	104606	4	• NUT, Hex head nylon lock (3/8"-16 Grade 5)
18	101297	4	• BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
19	103910	1	• BOLT, Hex head (1/2"-13 x 1.25" Grade 8)
20	103897	1	• BOLT, Hex head (5/8"-11 x 2" Grade 5)
21	103981	1	• NUT, Hex head (5/8"-11 Grade 5)
22	103856	1	• BOLT, Hex head (1/4"-20 x 0.75" Grade 5)
23	115649	1	• NUT, Hex head nylon lock (1/4"-20 Grade 5)
24	167459	19	• INSERT, 3/8"-16 AK series (0.150"-0.312")
25	167460	7	• INSERT, 3/8"-16 AK series (0.027"-0.150")
26	216472	1	• BRACKET, Limit switch
27	162293	1	PAD, Guide (5.00" x 2.00" x 0.625")
28	101297	2	BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
29	103472	2	WASHER, Flat (0.375")
30	144238	2	NUT, Torque lock (0.375"-16 Grade C)
31	168619	1	SHROUD, Upper
32	168622	1	SHROUD, Lower
34	137625	62	SEAL, Bulb
35	101632	4	BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
36	103472	4	WASHER, Flat (0.375")
-	210399	1	DIRECTION SENSING LIMIT SWITCH ASSEMBLY
37	199486	1	• SWITCH, Limit - roller plunger (5 m)
38	211213	1	• PLATE, Limit switch - threaded
39	126499	2	• SCREW, Round head machine (8-32 x 0.875")
40	208815	1	• RING, Protector - plastic
41	122249	2	• WASHER, Lock (#8)
42	212110	1	PLATE, Cover
43	101297	4	BOLT, Hex head (0.375"-16 x 1.25" gr 5)
44	103472	8	WASHER, Flat (0.375")

4.2 Cowling - Engine Side



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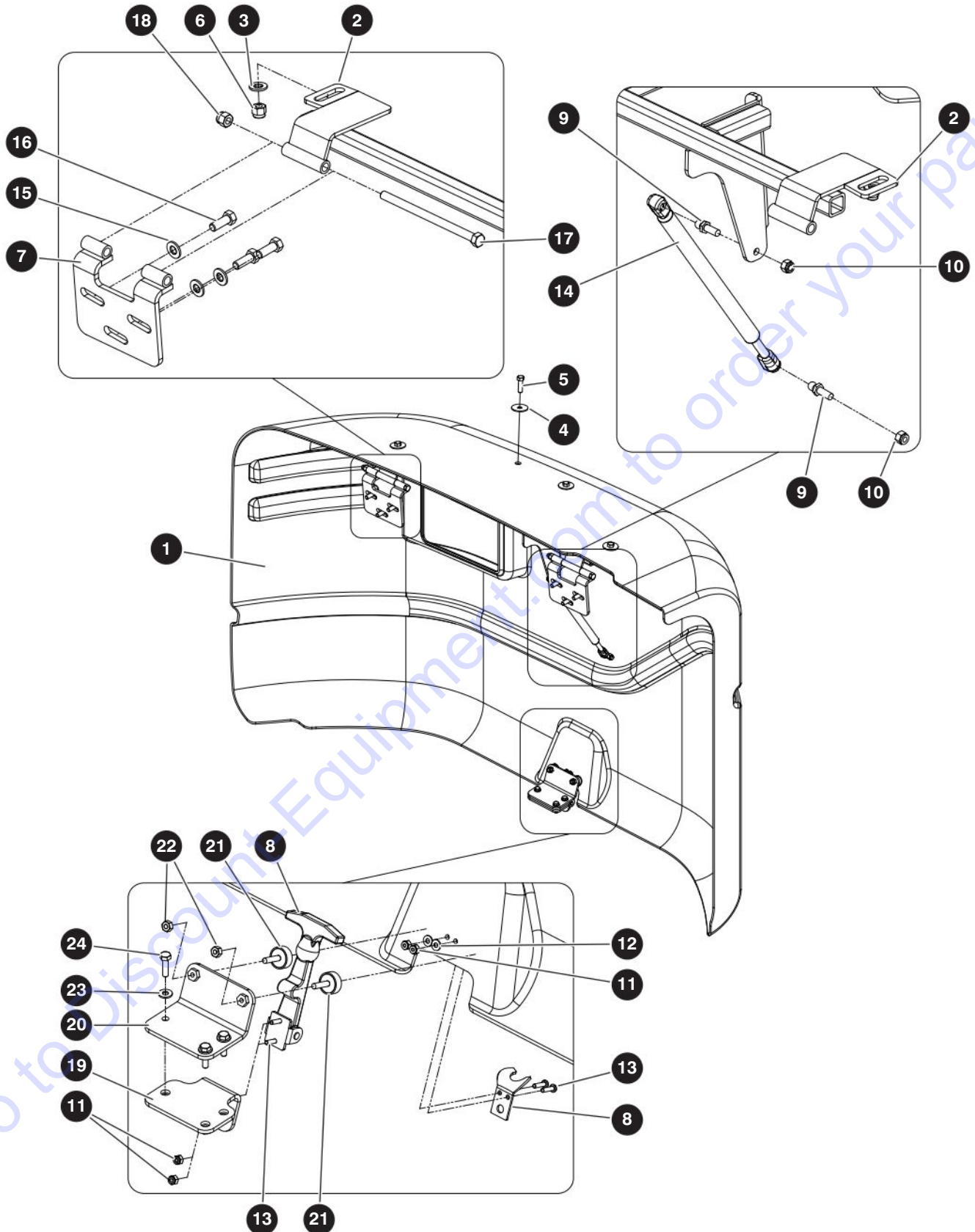
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4.2 Cowling - Engine Side

Index No.	Skyjack Part No.	Qty.	Description
-	218579	1	ENGINE SIDE COWLING
-	149259	1	• COWLING, Assembly (Engine Side)
1	149261	1	• • COWLING, Shell (Engine Side)
2	160214	1	• • WELDMENT, Cowling frame (Engine Side)
3	152426	2	• • PLATE, Perforated
4	148368	1	• • FOAM, 2" x 2" (#1441FR)
5	125959	4	• • WASHER, Flat hardened (3/8")
6	127067	4	• • WASHER, Flat (3/8" Style BB)
7	101297	2	• • BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
8	104606	4	• • NUT, Hex lock (3/8"-16 Grade 5, nylon)
9	103870	2	• • BOLT, Hex head (3/8"-16 x 1 1/2" Grade 5)
10	152416	2	• • WASHER, Rubber (1x 3/7 x 1/8 TK)
11	149360	1	• WELDMENT, Gas spring mount
12	152427	2	• WELDMENT, Hinge lower RHS
13	103980	2	• NUT, Hex head (1/4"-20 Grade 8)
14	138834	4	• SCREW, Round machine (#10-24 x 3/4")
15	104694	2	• WASHER, Flat (#10)
16	126642	4	• NUT, Hex lock (#10-24 Grade 5, nylon)
17	146903	2	• STUD, Ball (10mm)
18	103984	2	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
19	125959	10	• WASHER, Flat hardened (3/8")
20	103473	10	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
21	152431	1	• GAS SPRING, Cowling
22	138736	2	• BOLT, Hex head (3/8"-16 x 6" Grade 5)
23	104606	2	• NUT, Hex lock (3/8"-16 Grade 5, nylon)
24	149333	1	• WELDMENT, Latch mount
25	149334	1	• WELDMENT, Cowling bumper
26	103995	3	• WASHER, Flat (1/4")
27	103857	3	• BOLT, Hex head (1/4"-20 x 1" Grade 5)
28	144002	1	• LATCH, Flexible draw
29	144015	2	• MOUNT, Anti-vibration

4.3 Cowling - Controls Side



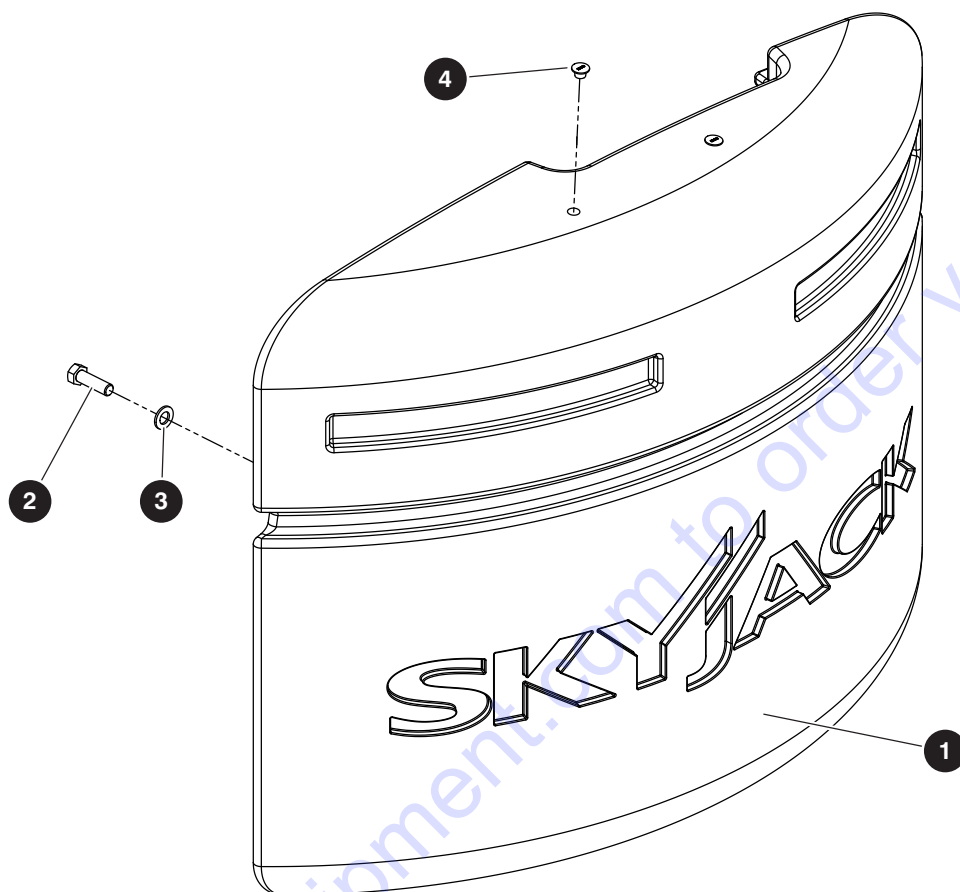
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4.3 Cowling - Controls Side

Index No.	Skyjack Part No.	Qty.	Description
-	218576	1	CONTROLS SIDE COWLING
-	149260	1	• COWLING, Assembly (Controls Side)
1	149262	1	• • COWLING, Shell (Controls Side)
2	160204	1	• • WELDMENT, Cowling frame (Controls Side)
3	125959	4	• • WASHER, Flat hardened (3/8")
4	127067	4	• • WASHER, Flat (3/8" Style BB)
5	101297	4	• • BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
6	104606	4	• • NUT, Hex lock (3/8"-16 Grade 5, nylon)
7	149483	2	• WELDMENT, Hinge lower LHS
8	144002	1	• LATCH, Flexible draw
9	146903	2	• STUD, Ball (10mm)
10	103984	2	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
11	126642	4	• NUT, Hex lock (#10-24 Grade 5, nylon)
12	104694	2	• WASHER, Flat (#10)
13	138834	4	• SCREW, Round machine (#10-24 x 3/4")
14	152431	1	• GAS SPRING, Cowling
15	125959	6	• WASHER, Flat hardened (3/8")
16	103473	6	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
17	138736	2	• BOLT, Hex head (3/8"-16 x 6" Grade 5)
18	104606	2	• NUT, Hex lock (3/8"-16 Grade 5, nylon)
19	149333	1	• WELDMENT, Latch mount
20	149334	1	• WELDMENT, Cowling bumper
21	144015	2	• MOUNT, Anti-vibration
22	103980	2	• NUT, Hex head (1/4"-20 Grade 8)
23	103995	3	• WASHER, Flat (1/4")
24	103857	3	• BOLT, Hex head (1/4"-20 x 1" Grade 5)

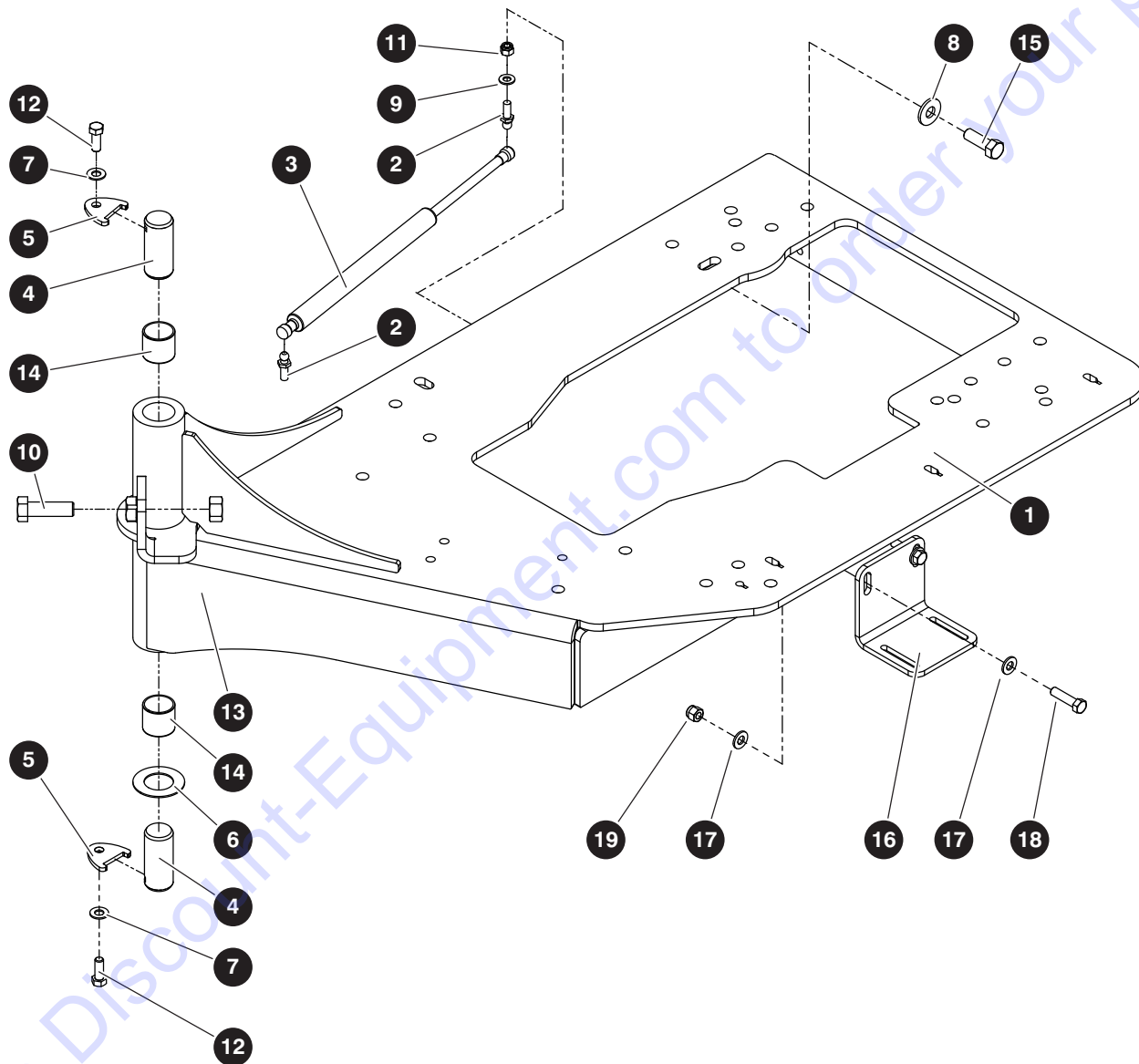
4.4 Counterweight



M169113AA

Index No.	Skyjack Part No.	Qty.	Description
-	169114	1	COUNTERWEIGHT ASSEMBLY
1	169115	1	• COUNTERWEIGHT
2	139151	4	• BOLT, Hex head (3/4"-10 x 2 1/2" Grade 8)
3	702194	4	• WASHER, Flat hardened (3/4")
4	144105	2	• PLUG, Threaded hole (3/4")

4.5 Engine Tray



M226316AA

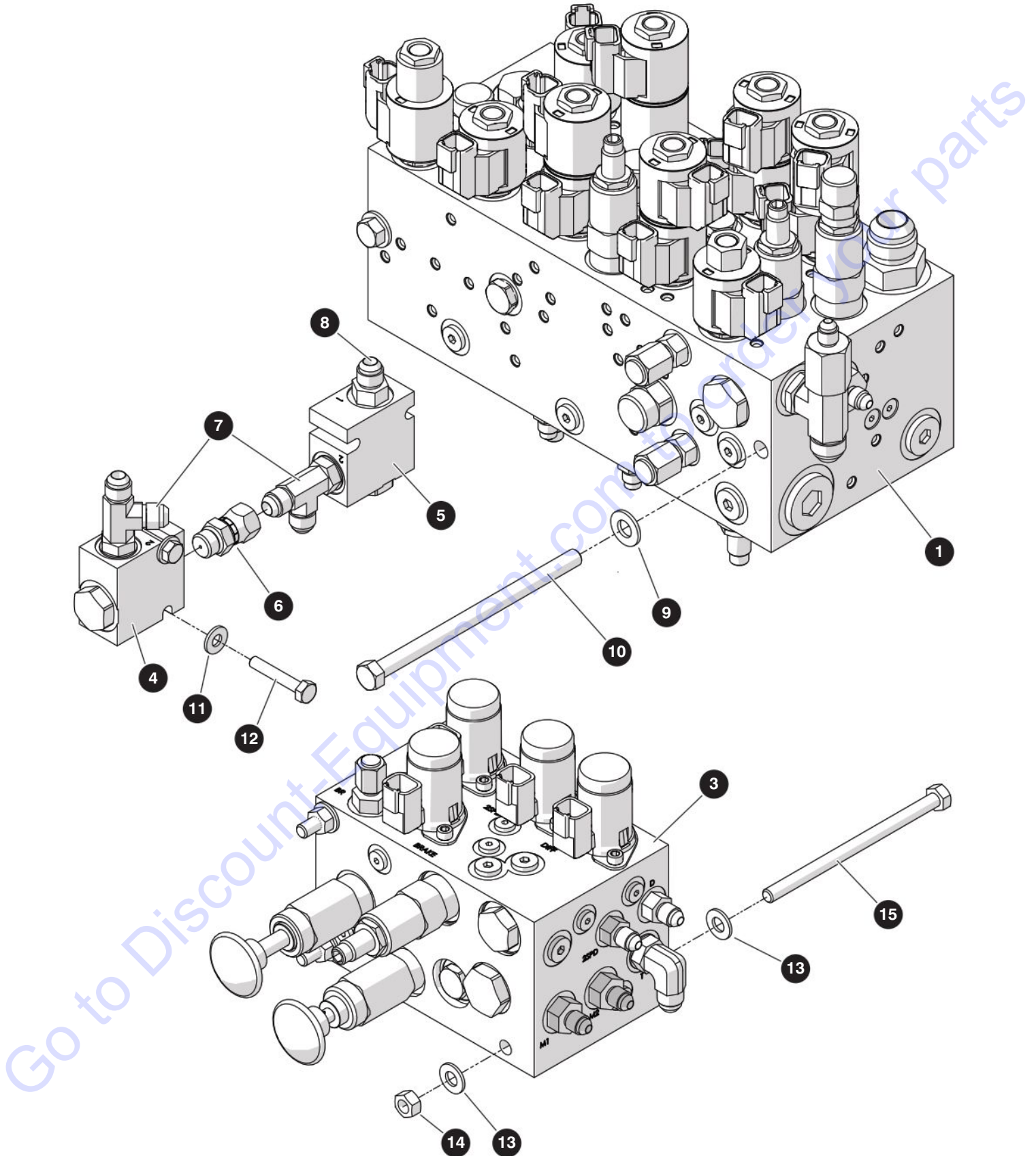
229035ABA

SJ46 AJ+

4.5 Engine Tray

Index No.	Skyjack Part No.	Qty.	Description
-	162286	1	ENGINE TRAY ASSEMBLY
1	226317	1	• ENGINE TRAY WELDMENT
2	146903	2	• STUD, Ball (10mm)
3	146902	1	• GAS SPRING
4	162319	2	• PIN, Pivot (1.25" OD x 2.875")
5	162321	2	• PLATE, Pin lock (1.25" OD x 0.188")
6	121703	1	• WASHER, Thrust - fiberglide
7	103472	2	• WASHER, Flat (3/8")
8	104379	1	• WASHER, Flat (0.50" hard)
9	103996	1	• WASHER, Flat (5/16")
10	103897	1	• BOLT, Hex head (5/8"-16 x 2.00" Grade 5)
11	103984	1	• NUT, Hex head nylon lock (5/16"-18 Grade 5)
12	103473	2	• BOLT, Hex head (3/8"-16 x 1.00" Grade 5)
13	103981	1	• NUT, Hex head (5/8"-11 Grade 5)
14	100071	2	• BUSHING, Fiberglide
15	103907	1	• BOLT, Hex head (0.50"-13 x 1.50" Grade 5)
16	169579	1	• BRACKET, Cowling mount
17	125959	4	• WASHER, Flat hardened (3/8")
18	103870	2	• BOLT, Hex head (3/8"-16 x 1.50" Grade 5)
19	104606	2	• NUT, Hex head (3/8"-16 Grade 5)

4.6 Manifold Hardware



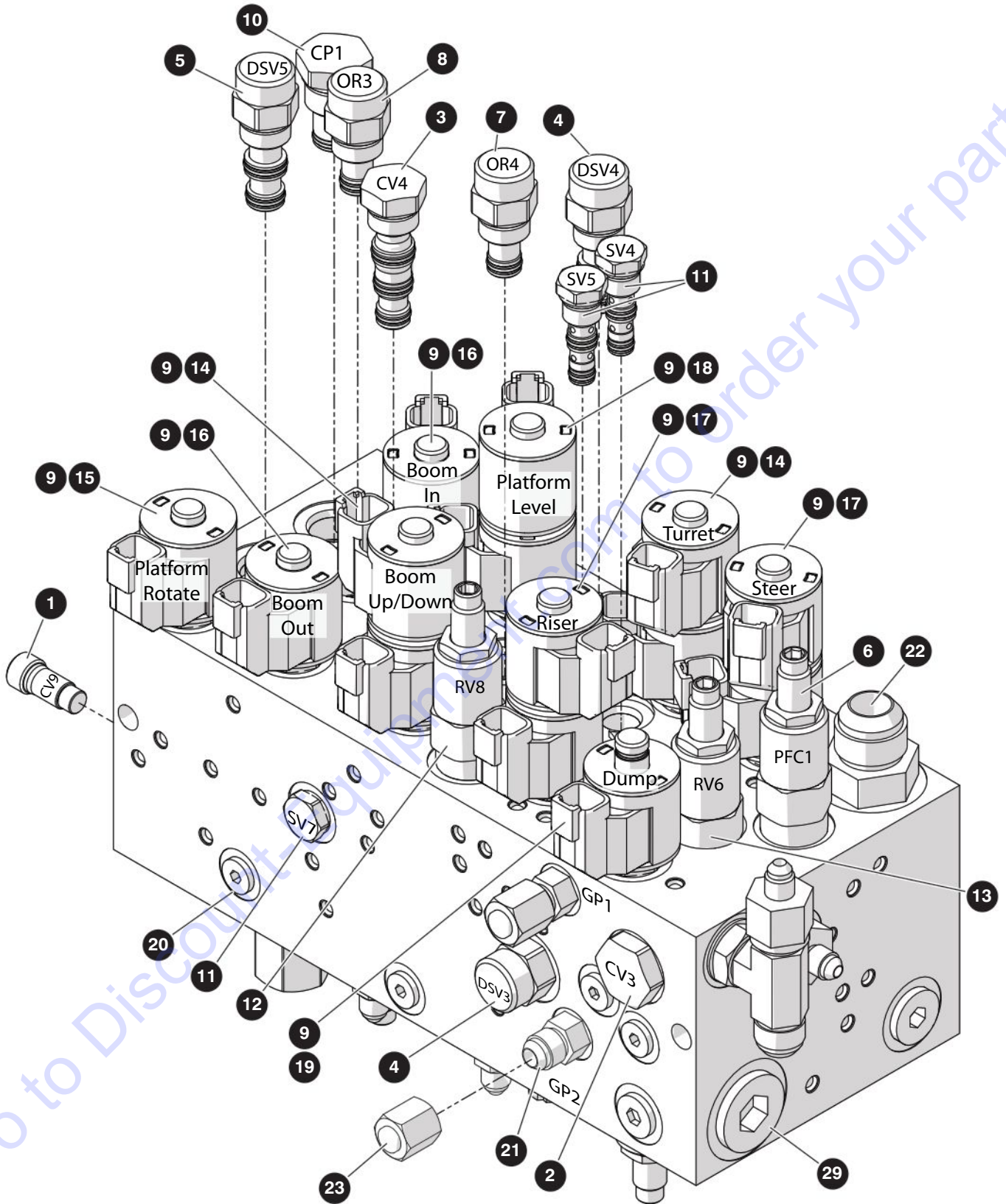
M230147AB

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4.6 Manifold Hardware

Index No.	Skyjack Part No.	Qty.	Description
-	230147	1	MANIFOLD ASSEMBLY WITH HARDWARE
1	(Ref.)	1	<ul style="list-style-type: none"> MAIN MANIFOLD (For components, refer to 4.7 Main Manifold)
3	(Ref.)	1	<ul style="list-style-type: none"> BRAKE MANIFOLD (For components, refer to 4.8 Brake Manifold)
-	213881	1	<ul style="list-style-type: none"> LINE BODY VALVE
4	163182	1	<ul style="list-style-type: none"> VALVE ASSEMBLY, Check
	166075	1	<ul style="list-style-type: none"> BLOCK, Check Valve
	159815	1	<ul style="list-style-type: none"> VALVE, Check
5	163183	1	<ul style="list-style-type: none"> VALVE ASSEMBLY, Check
	166075	1	<ul style="list-style-type: none"> BLOCK, Check Valve
	166066	1	<ul style="list-style-type: none"> VALVE, Check
6	228312	1	<ul style="list-style-type: none"> FITTING, Straight (06JIC-06ORBM, 0.67 orifice)
7	114581	2	<ul style="list-style-type: none"> FITTING, Tee (06 JICM - 06 ORBM - 06 JICM)
8	103069	1	<ul style="list-style-type: none"> FITTING, Straight (06 JICM - 06 ORBM)
9	125959	2	<ul style="list-style-type: none"> WASHER, Flat hardened (3/8")
10	138736	2	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 6.00 gr 5)
11	103995	2	<ul style="list-style-type: none"> WASHER, Flat (1/4")
12	103859	2	<ul style="list-style-type: none"> BOLT, Hex head (1/4"-20 x 1.50" Grade 5)
13	103996	8	<ul style="list-style-type: none"> WASHER, Flat (5/16")
14	100397	3	<ul style="list-style-type: none"> NUT, Hex head (5/16"-18, Grade 5)
15	138762	3	<ul style="list-style-type: none"> BOLT, Hex head (5/16"-18 x 5.00", Grade 5)

4.7 Main Manifold



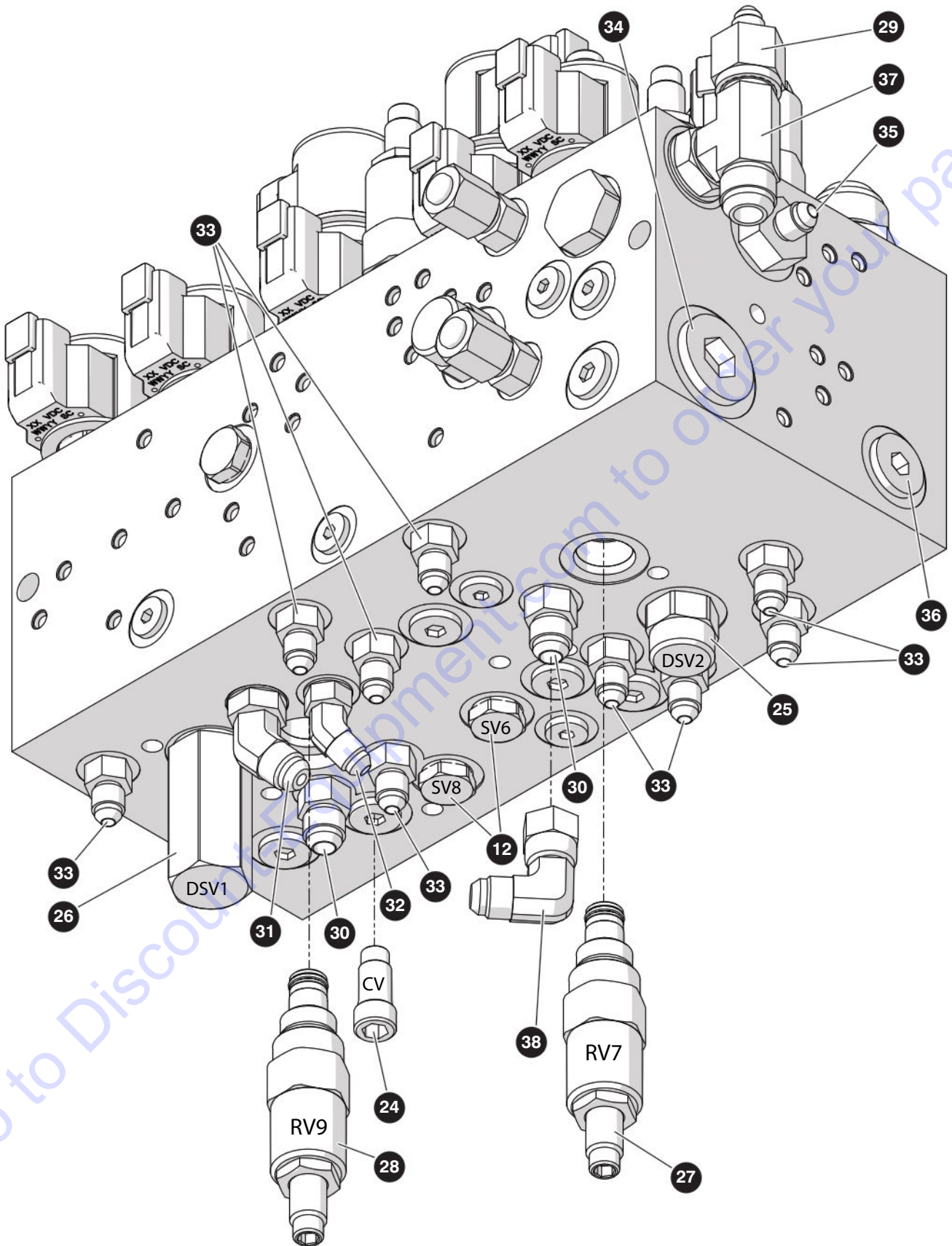
M218327AA-1

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4.7 Main Manifold

Index No.	Skyjack Part No.	Qty.	Description
-	218327	1	MAIN MANIFOLD
1	166067	1	• VALVE, Check
2	166064	1	• VALVE, Check
3	159817	1	• VALVE, Check (Pilot operated)
4	166063	2	• COMPENSATOR, Pressure
5	166062	1	• COMPENSATOR, Pressure
6	166055	1	• REGULATOR, Pressure
7	166057	1	• REGULATOR, Pressure
8	166056	1	• REGULATOR, Pressure
9	159821	14	• COIL, 12 VDC
10	231437	1	• PLUG, Cavity
11	166054	5	• VALVE, Shuttle
12	166044	1	• VALVE, Differential relief
13	166043	1	• VALVE, Differential relief
14	166041	3	• VALVE, Spool (3 position 4 way)
15	231438	1	• VALVE, Spool (2 position 2 way)
16	166037	2	• VALVE, Spool (3 way)
17	158186	1	• VALVE, Spool (3 position 4 way)
18	166036	1	• VALVE, Spool (3 position 4 way)
19	166039	1	• VALVE, Spool (2 way)
20	121250	3	• PLUG, Hex socket (04 ORBM)
21	128869	2	• FITTING, Straight (06 JICM - 06 ORBM)
22	702118	1	• FITTING, Straight (12 JICM - 12 ORBM)
23	107666	2	• FITTING, Cap (06 JICF)
			<i>The parts list is continued on the next page.</i>

4.7 Main Manifold



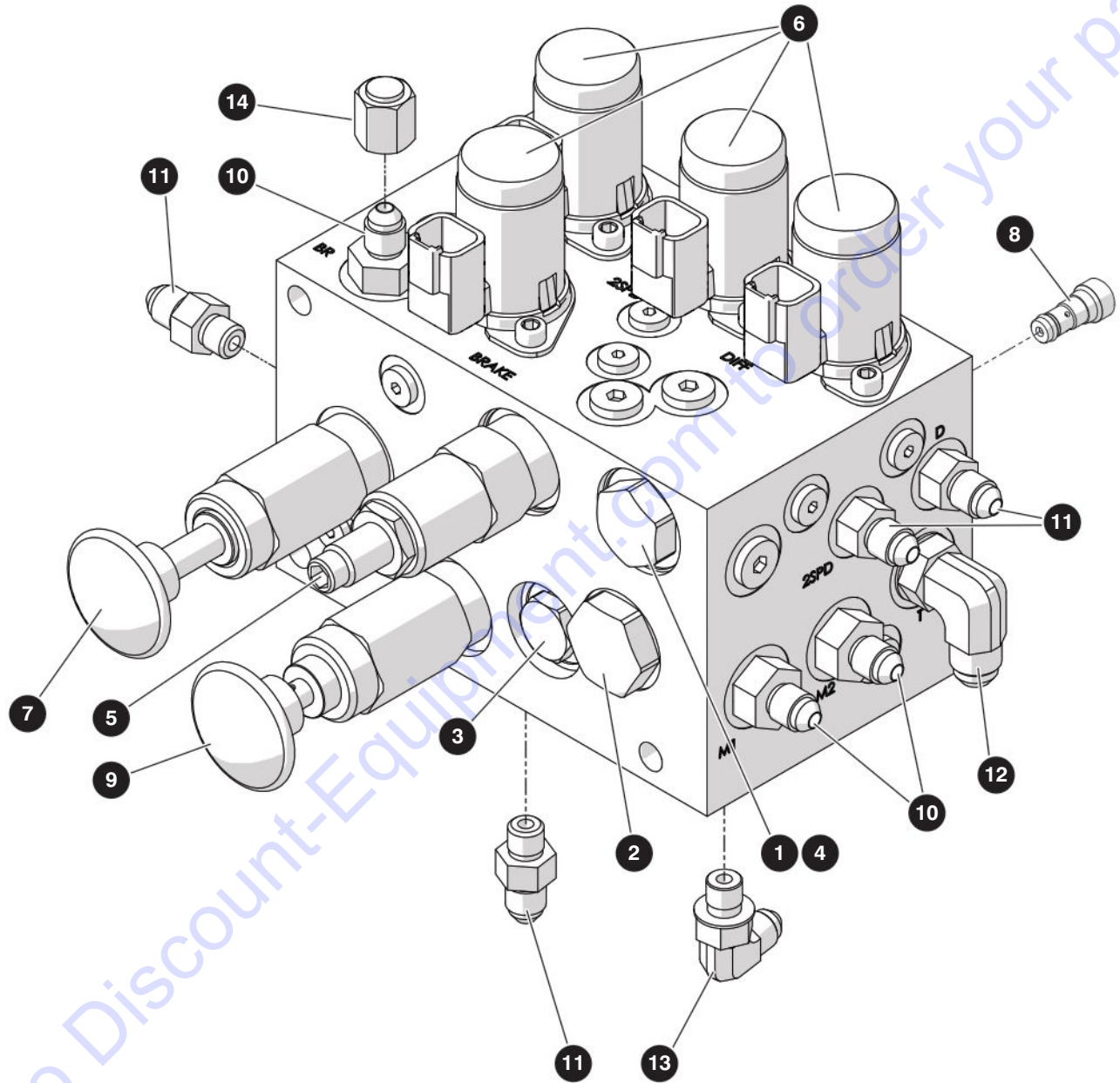
M218327AA-2

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4.7 Main Manifold

Index No.	Skyjack Part No.	Qty.	Description
			<i>The parts list is continued from the previous page.</i>
24	166067	5	• VALVE, Check
25	166062	1	• COMPENSATOR, Pressure
26	166059	1	• COMPENSATOR, Pressure
27	168975	1	• VALVE, Relief
28	159809	1	• VALVE, Relief
29	706812	1	• FITTING, Straight (08 JICF - 04 JICM)
30	128869	2	• FITTING, Straight (06 JICM - 06 ORBM)
31	701478	1	• FITTING, Elbow 45° (06 JICM - 04 ORBM)
32	131716	1	• FITTING, Elbow 45° (04 JICM - 04 ORBM)
33	126128	10	• FITTING, Straight (04 JICM - 04 ORBM)
34	111392	1	• PLUG, Hex socket (12 ORBM)
35	131705	1	• FITTING, Straight (08 ORBM - 04 JICM)
36	702796	1	• PLUG, Hex socket (08 ORBM)
37	135061	1	• FITTING, Tee (08 JICM - 08 JICM - 08 ORBM)
38	702761	1	• FITTING, Elbow 90° (06 JICM - 06 JICFSW)

4.8 Brake Manifold



M195803AC

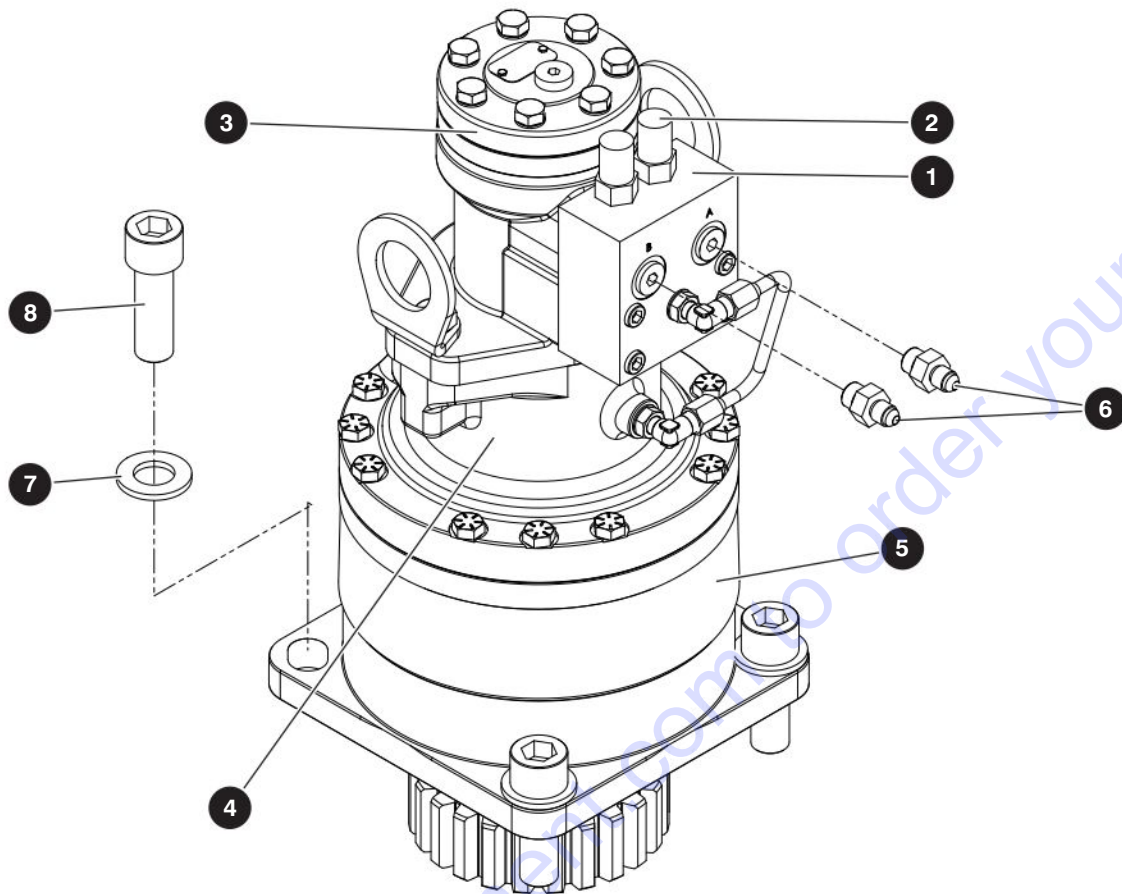
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SJ46 AJ+

4.8 Brake Manifold

Index No.	Skyjack Part No.	Qty.	Description
-	195803	1	BRAKE MANIFOLD
-	168642	1	• MANIFOLD, Brake
1	171413	1	• • VALVE, Check
2	166053	1	• • VALVE, Shuttle
3	166054	1	• • VALVE, Shuttle
4	171420	1	• • ORIFICE, Disc (0.073")
5	168754	1	• • VALVE, Pressure reducer
6	159827	4	• • VALVE, Solenoid
7	159831	1	• • PUMP, Hand
8	141414	1	• • VALVE, Shuttle
9	141436	1	• • VALVE, Brake release override
10	701956	3	• FITTING, Straight (04 JICM - 06 ORBM)
11	126128	4	• FITTING, Straight (04 JICM - 04 ORBM)
12	114578	1	• FITTING, 90° elbow (06 JICM - 06 ORBM)
13	125883	1	• FITTING, 90° elbow (04 JICM - 04 ORBM)
14	131286	1	• FITTING, Cap (04 JICF)

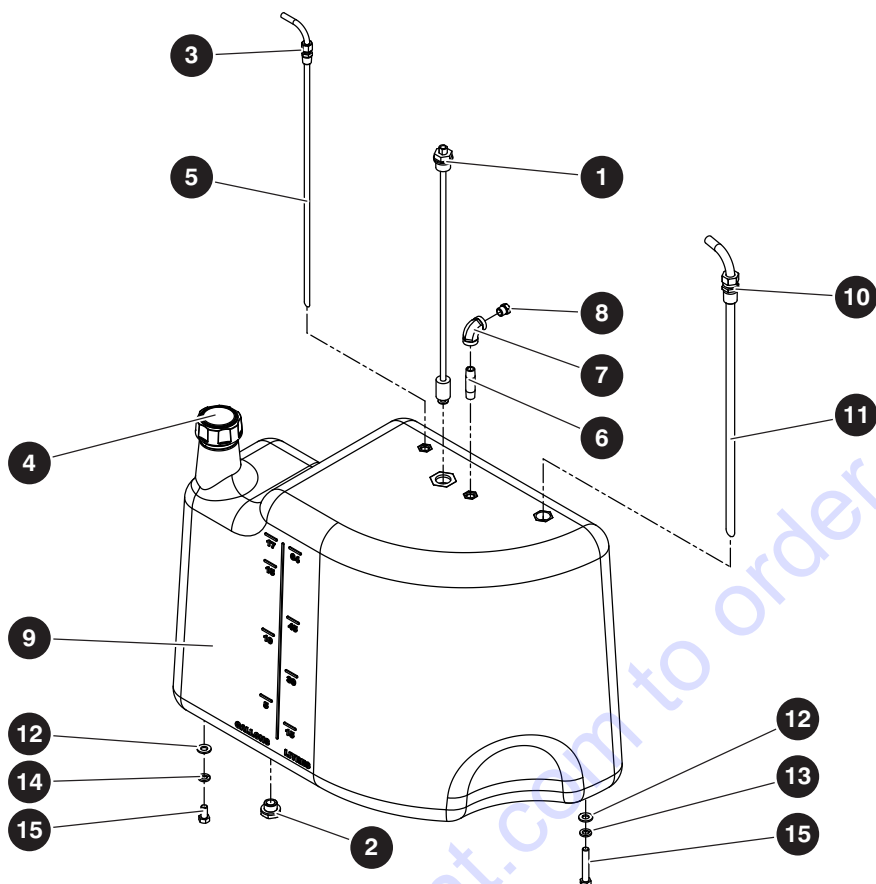
4.9 Swing Drive



M1467206AA

Index No.	Skyjack Part No.	Qty.	Description
-	167206	1	SWING DRIVE ASSEMBLY
-	167207	1	• SWING DRIVE, Turret rotate
1	154660	1	• • MANIFOLD, Swing drive
2	141499	2	• • • VALVE, Counterbalance
3	168872	1	• • MOTOR, Hydraulic
4	168873	1	• • BRAKE, Hydraulic
5	146006	1	• • GEAR, Reduction
6	701956	2	• FITTING, Straight (04 JICM - 06 ORBM)
7	702194	4	• WASHER, Flat hardened (3/4")
8	149247	4	• BOLT, Socket head cap screw (3/4"-10 x 2.25")
K1	168875	1	SEAL KIT, Main shaft & ring gear
K2	168874	1	SEAL KIT, Brake

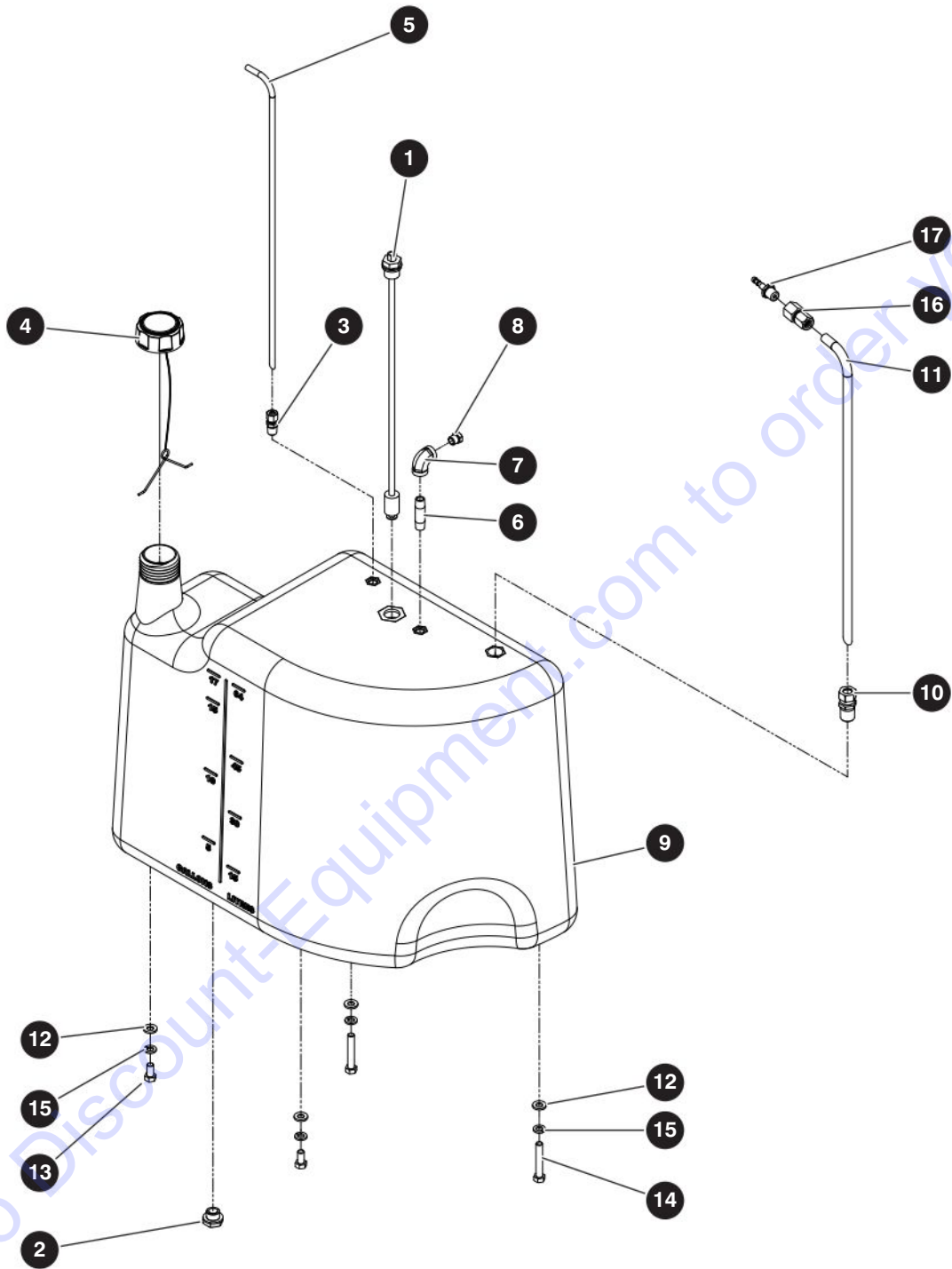
4.10 Fuel Tank - Deutz D2.9L



M165004AA

Index No.	Skyjack Part No.	Qty.	Description
-	165004	1	FUEL TANK ASSEMBLY - Deutz D2.9L
-	210465	1	• TANK ASSEMBLY - Diesel
1	138230	1	• • SWITCH, Fuel level
2	137629	1	• • FITTING, Plug hollow hex (10 ORB)
3	103155	1	• • FITTING, Brass tank (1/4" NPT)
4	144410	1	• • CAP, Fuel
5	138491	1	• • TUBE, Fuel send/return
6	143478	1	• • FITTING, Nipple (1/4" NPT x 2" brass)
7	144325	1	• • FITTING, 90° (1/4" NPTF x 1/4" NPTF brass)
8	116408	1	• • VENT, breather (1/4" NPT)
9	210466	1	• • TANK, Moulded, diesel
10	164674	1	• • FITTING, Tube compression (1/2" OD x 1/2" NPT)
11	164673	1	• • TUBE, Fuel section
12	125959	4	• WASHER, Flat (3/8")
13	103872	2	• BOLT, Hex head (3/8"-16 x 2.25", grade 5)
14	101632	2	• BOLT, Hex head (3/8"-16 x 0.75", grade 5)
15	103999	4	• WASHER, Lock (3/8")

4.11 Fuel Tank - Deutz D2011



M148660AD

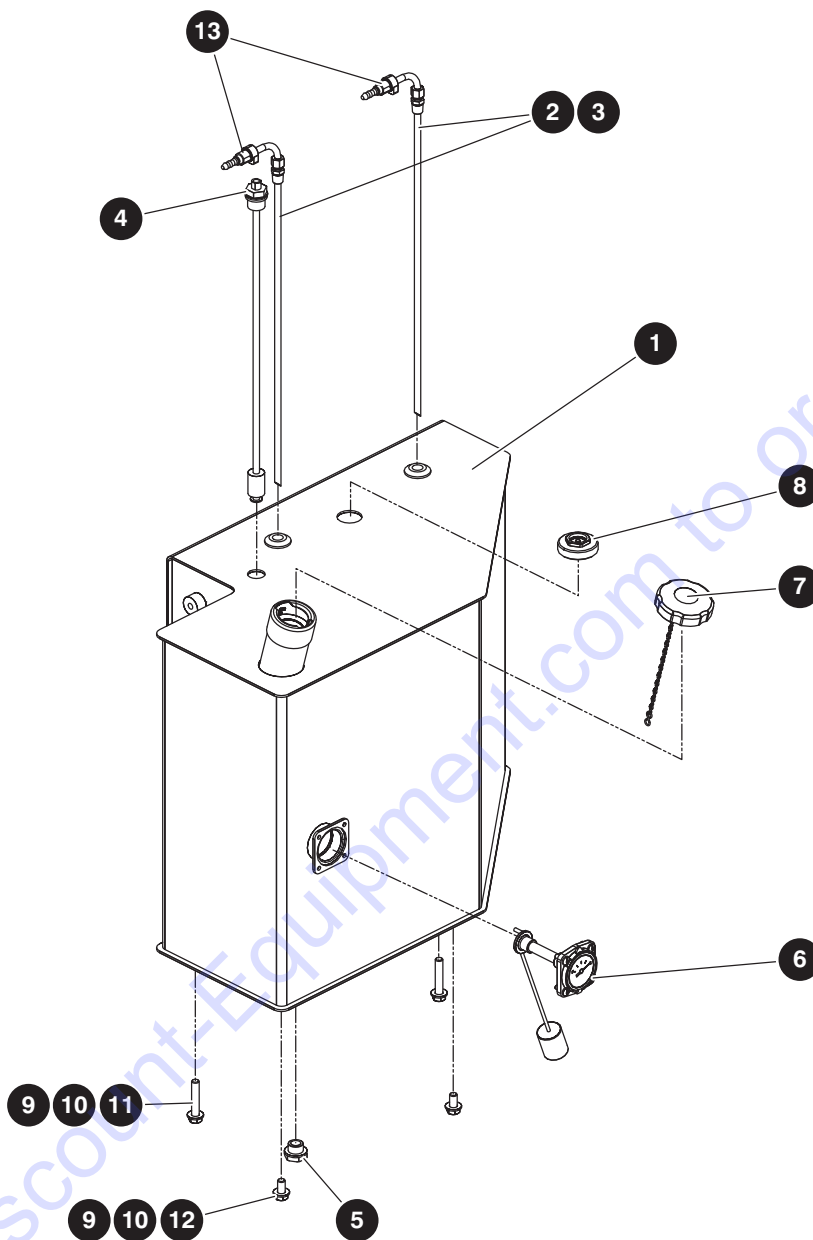
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SJ46 AJ+

4.11 Fuel Tank - Deutz D2011

Index No.	Skyjack Part No.	Qty.	Description
-	148660	1	FUEL TANK ASSEMBLY - Deutz D2011 engine
-	210465	1	• TANK ASSEMBLY, Diesel
1	138230	1	• • SWITCH, Fuel level
2	137629	1	• • FITTING, Plug hollow hex (10 ORB)
3	103155	1	• • FITTING, Brass tank (#T68-5B)
4	144410	1	• • CAP, Fuel (non EPA)
5	138491	1	• • TUBE, Fuel send/return
6	143478	1	• • FITTING, Nipple (brass, 1/4 NPT x 2")
7	144325	1	• • FITTING, Elbow 90° (brass, 1/4 NPTF x 1/4 NPTF)
8	116408	1	• • VENT, Breather (1/4 NPT)
9	210466	1	• • TANK, Fuel
10	164674	1	• • FITTING, Tube Compression (1/2" OD x 1/2" NPT)
11	164673	1	• • TUBE, Fuel suction
12	125959	4	• WASHER, Flat (3/8")
13	101632	2	• BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
14	103872	2	• BOLT, Hex head (3/8"-16 x 2 1/4" Grade 5)
15	103999	4	• WASHER, Lock (3/8")
16	165716	1	• FITTING, Straight (08 BT - 06 FP)
17	165719	1	• FITTING, Hose barb

4.12 Fuel Tank - Kubota



M148676AA

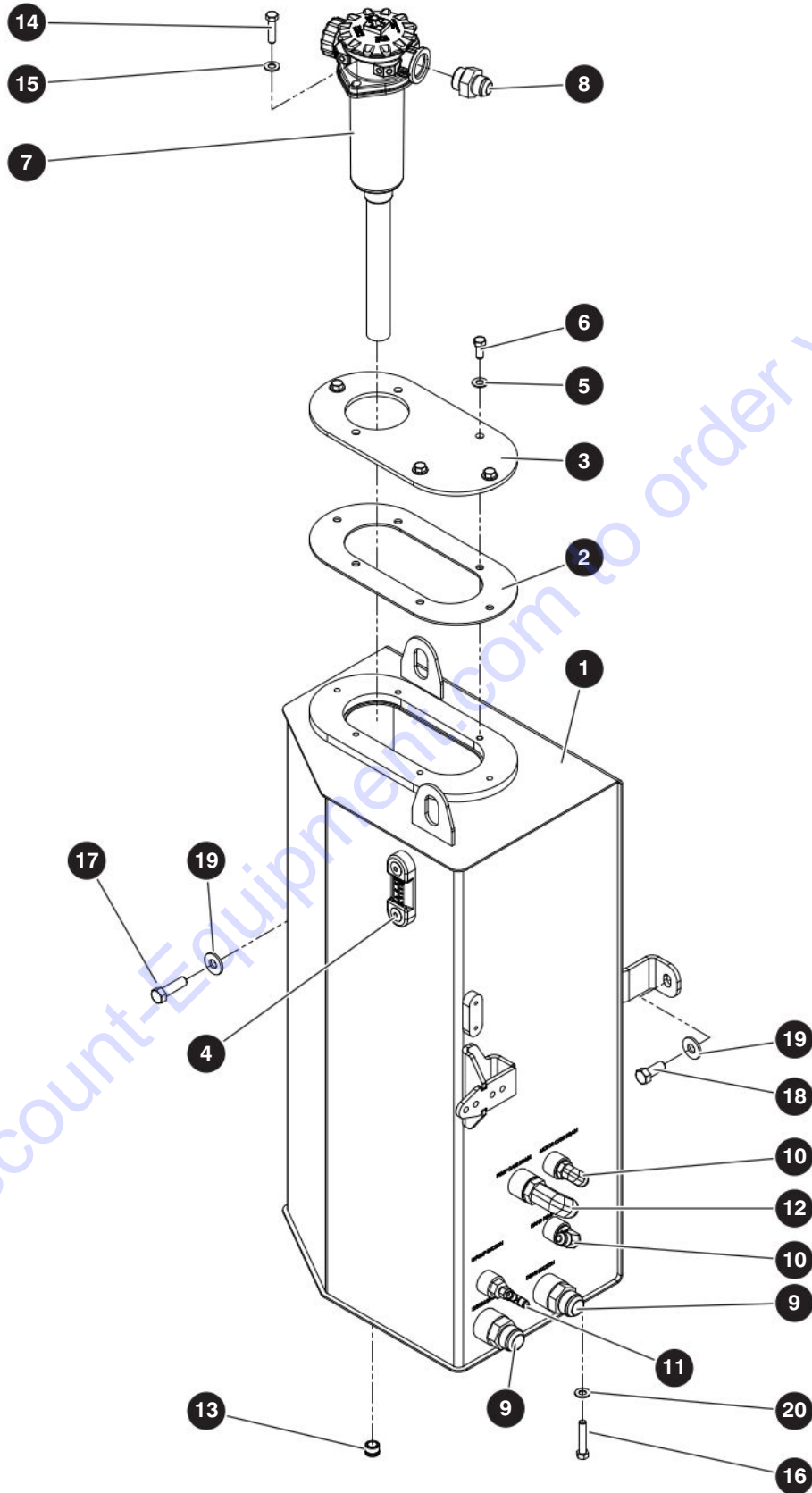
229035ABA

SJ46 AJ+

4.12 Fuel Tank - Kubota

Index No.	Skyjack Part No.	Qty.	Description
-	148676	1	FUEL TANK ASSEMBLY - Kubota WG2503 engine
-	149069	1	• FUEL TANK ASSEMBLY (Gasoline, steel)
1	149070	1	• • TANK, Fuel (steel)
2	103155	2	• • FITTING, Brass tank (#T68-5B)
3	144338	2	• • TUBE, Fuel send/return
4	138230	1	• • SWITCH, Fuel level
5	117701	1	• • PLUG (3/4"-16UNF with magnet)
6	144393	1	• • GAUGE, Level
7	136369	1	• • CAP, Fuel (filler non-vented)
8	144392	1	• • VALVE, Dual action
9	125959	4	• WASHER, Flat (3/8")
10	103999	4	• WASHER, Lock (3/8")
11	103596	2	• BOLT, Hex head (3/8"-16 x 2" Grade 5)
12	101632	2	• BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
13	142397	2	FITTING, Quick disconnect (straight)

4.13 Hydraulic Tank



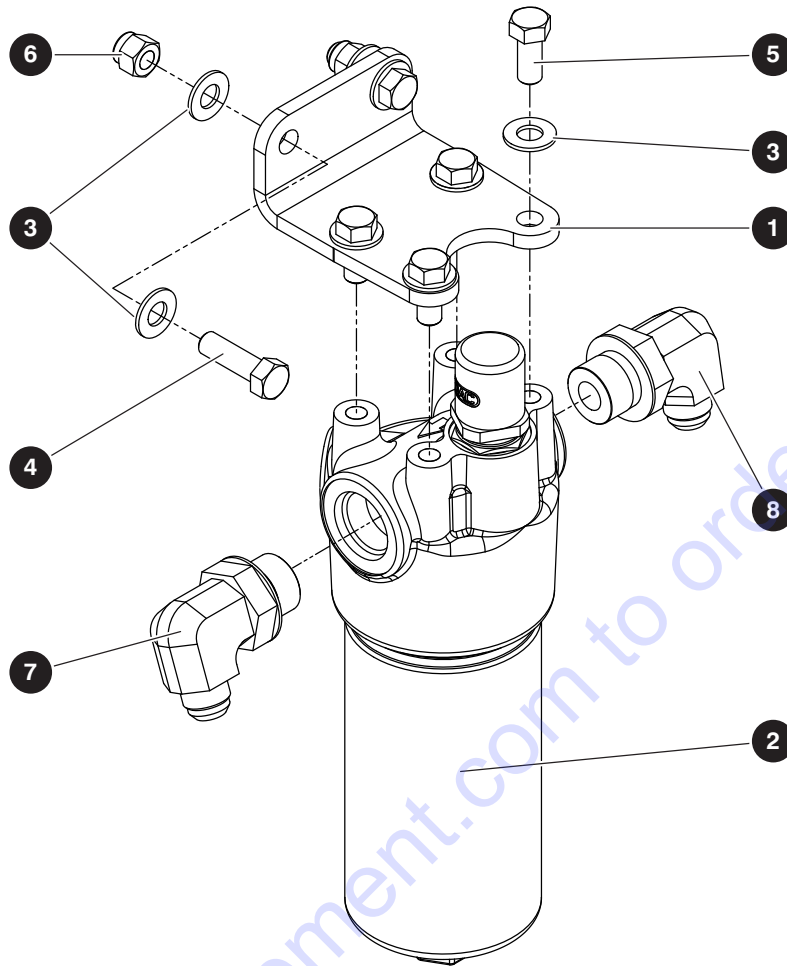
M162287AC

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4.13 Hydraulic Tank

Index No.	Skyjack Part No.	Qty.	Description
-	162287	1	HYDRAULIC TANK
-	209553	1	• HYDRAULIC TANK ASSEMBLY with fittings
-	162322	1	• • HYDRAULIC TANK ASSEMBLY
1	162323	1	• • • TANK WELDMENT, Hydraulic
2	152393	1	• • • GASKET, Hydraulic tank
3	152392	1	• • • COVER, Hydraulic tank
4	103236	1	• • • INDICATOR, Level
5	103472	4	• • • WASHER, Flat hardened (3/8")
6	300437	4	• • • BOLT, Hex head (3/8"-16 x 0.875" Grade 5)
7	161934	1	• • FILTER ASSEMBLY, Return
	161949	1	• • • ELEMENT, Return filter
	168869	1	• • • ELEMENT, Breather
	168870	1	• • • LID, Return filter
	168871	1	• • • CAP, Air element
8	702122	1	• • FITTING, Straight (12 JICM - 16 ORBM)
9	138667	2	• • FITTING, Straight (16 JICM - 16 ORBM)
10	114583	2	• • FITTING, Elbow 90° (08 JICM - 08 ORBM)
11	103070	1	• • FITTING, Straight (06 JICM - 08 ORBM)
12	139207	1	• • FITTING, Elbow 90° long (12 JICM - 12 ORBM)
13	143980	1	• • FITTING, Plug - magnetic (08 ORBM)
14	103870	2	• • BOLT, Hex head (3/8"-16 x 1 1/2" Grade 5)
15	103472	2	• • WASHER, Flat (3/8")
16	103596	2	• BOLT, Hex head (3/8"-16 x 2" Grade 5)
17	103907	1	• BOLT, Hex head (1/2"-13 x 1-1/2" Grade 8)
18	103909	1	• BOLT, Hex head (1/2"-13 x 1-1/4" Grade 8)
19	104379	2	• WASHER, Flat (1/2" hard)
20	103472	2	• WASHER, Flat (3/8")

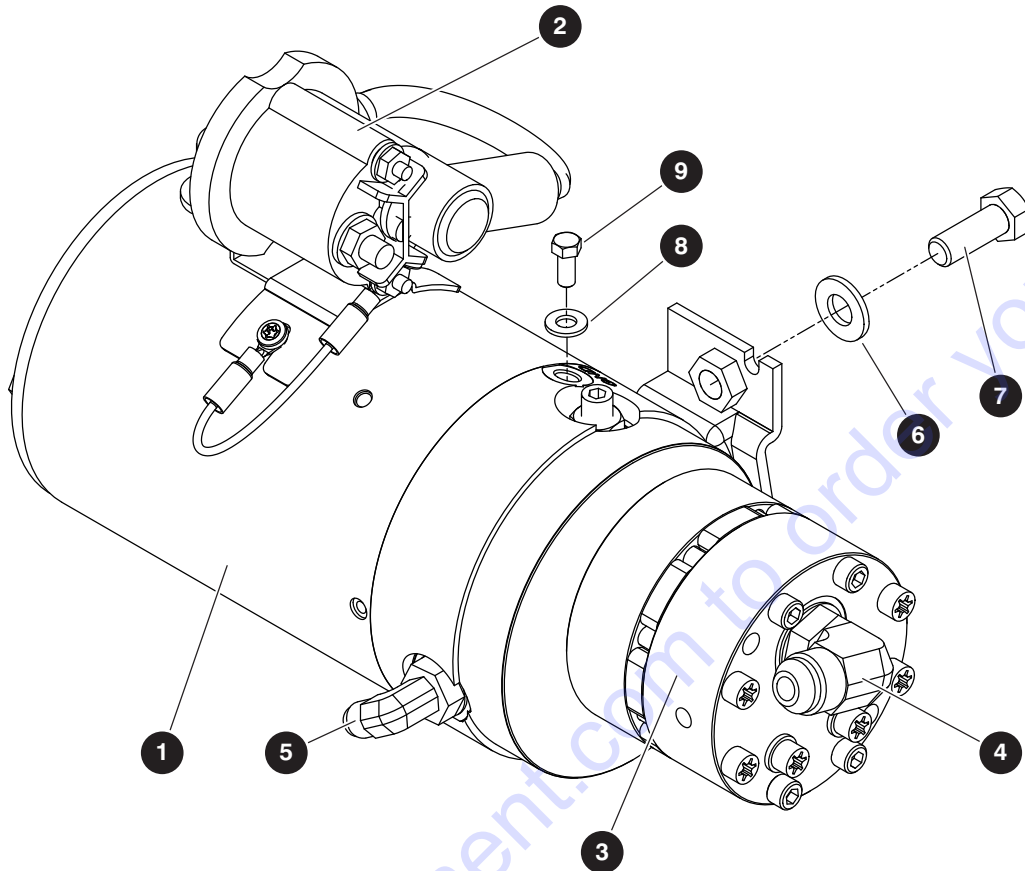
4.14 High Pressure Filter



M162288AB

Index No.	Skyjack Part No.	Qty.	Description
-	162288	-	HIGH PRESSURE FILTER ASSEMBLY
1	162327	1	• BRACKET, High pressure filter
2	161932	1	• FILTER ASSEMBLY, High pressure
	161947	1	• • ELEMENT, High pressure filter
	169246	1	• • PLUG, Indicator with seals
	204202	1	• • O-RING
	204203	1	• • O-RING, Backup
3	103472	8	• WASHER, Flat (3/8")
4	101297	2	• BOLT, Hex head (3/8"-16 x 1.25" Grade 5)
5	300437	4	• BOLT, Hex head (3/8"-16 x 0.875" Grade 5)
6	104606	2	• NUT, Hex head nylon lock (3/8"-16 Grade 5)
7	112366	1	FITTING, Elbow 90° (08 JICM - 12 ORBM) <i>(no oil cooler option)</i>
8	138981	1	FITTING, Elbow 90° (10 JICM - 12 ORBM) <i>(no oil cooler option)</i>

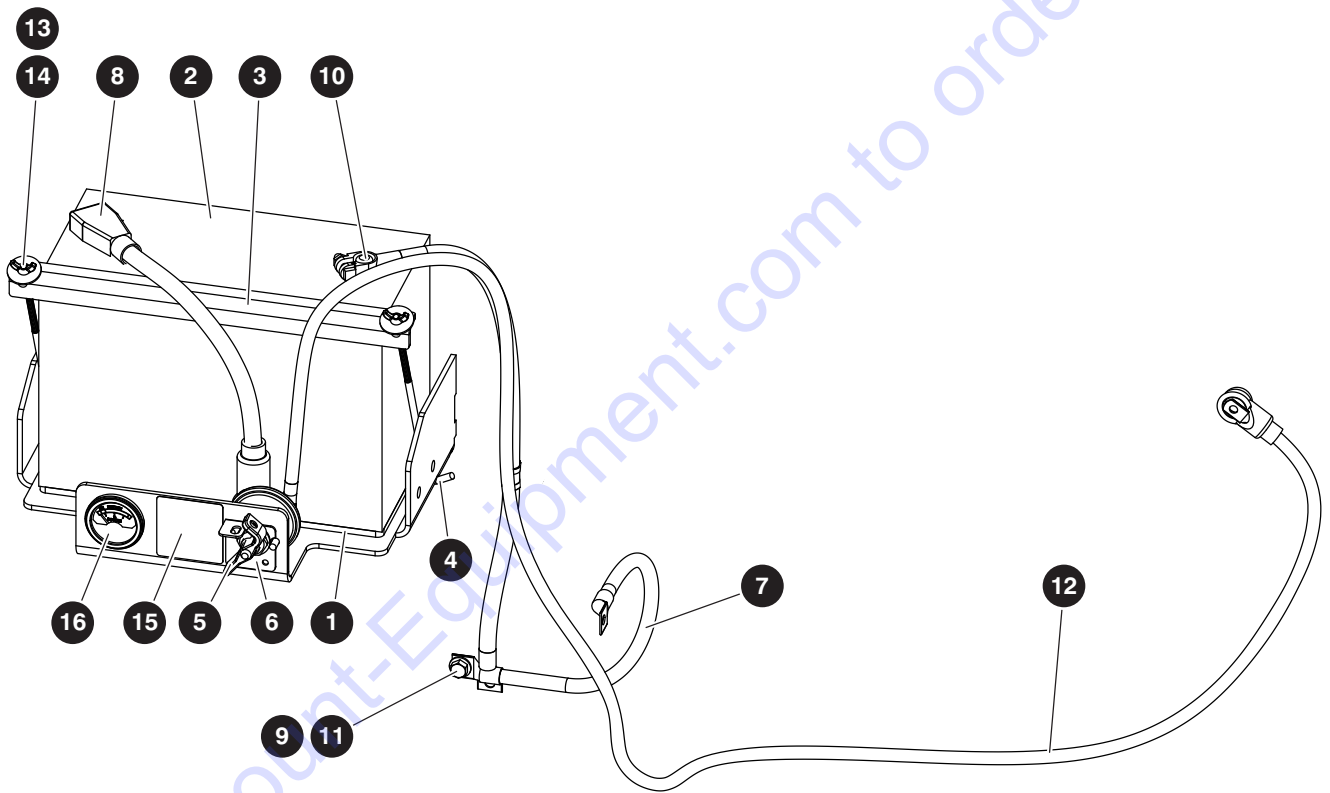
4.15 Auxiliary Pump



M167489AC

Index No.	Skyjack Part No.	Qty.	Description
-	167489	1	AUXILIARY PUMP
-	220500	1	• AUXILIARY PUMP WITH FITTINGS
-	160923	1	• • PUMP, Auxiliary
1	168897	1	• • • MOTOR
2	168898	1	• • • CONTACTOR
3	169244	1	• • • PUMP
4	114583	1	• • FITTING, Elbow, 90° (08 ORBM - 08 JICM)
5	129127	1	• • FITTING, Elbow, 90° (04 JICM - 06 ORBM)
6	125959	2	• WASHER, Flat hardened (0.375")
7	103473	2	• BOLT, Hex head (0.375"-16 x 1.00" Grade 5)
8	103404	1	• WASHER, Lock (0.312")
9	148331	1	• BOLT, Hex head (0.312"-18 x 0.625" Grade 5)

4.16 Battery Assembly



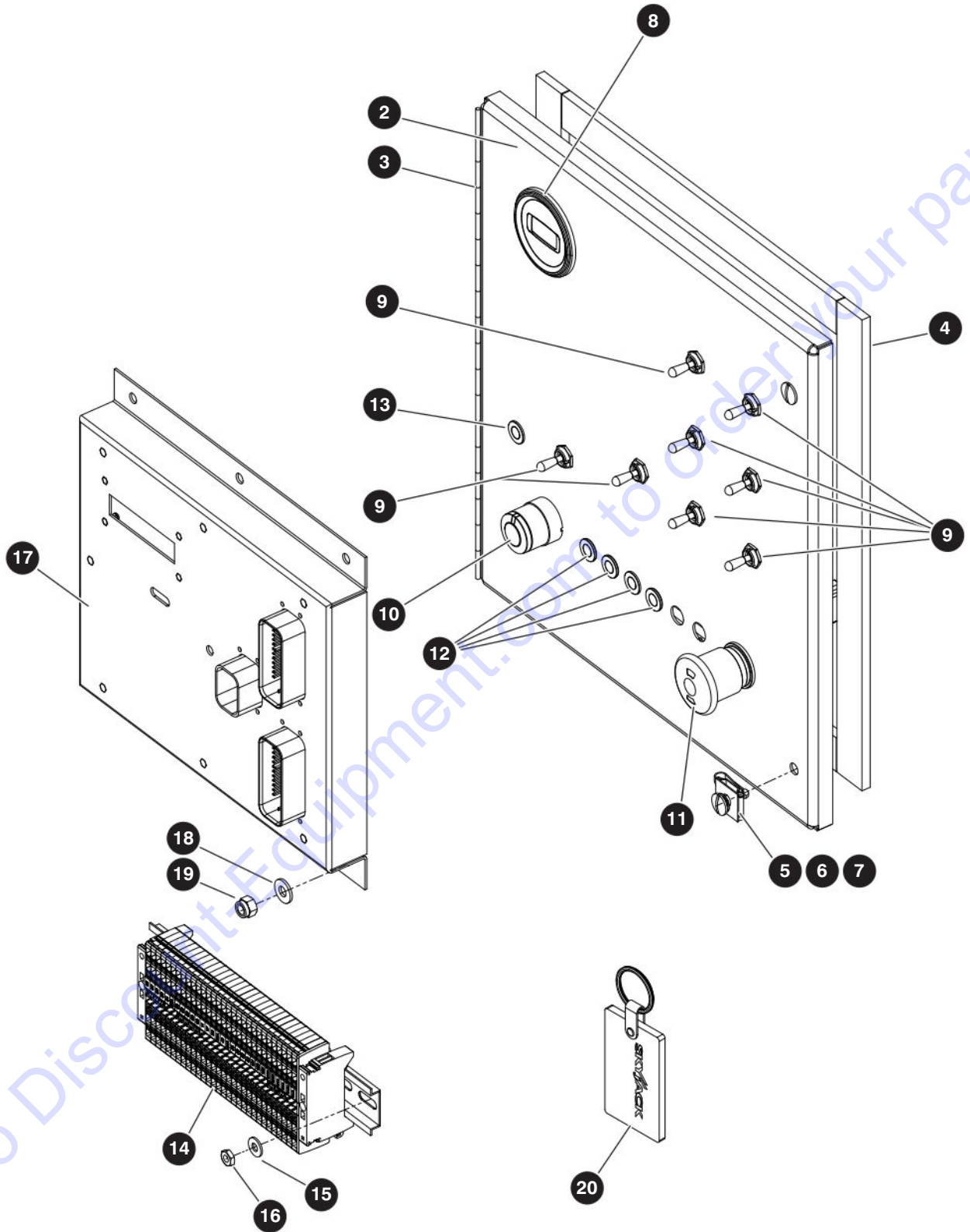
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4.16 Battery Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	167488	1	BATTERY ASSEMBLY
1	157464	1	• PAD, Battery
2	144676	1	• BATTERY (12V, 950 CCA)
3	150959	1	• BRACKET, Battery retainer
4	128572	1	• HOLD DOWN, Battery (pair)
5	119725	1	• SWITCH, Main lockout
6	108714	1	• MOUNT, Lock out switch
7	159915	1	• CABLE, Weld (#2/0 3/8" x 22 x 3/8")
8	138700	1	• CABLE, Battery
	139030	1	• • CLAMP, Battery post - positive
	139032	1	• • BOOT, Battery post - red
	139105	1	• • BOOT, Terminal - red
9	103472	1	• WASHER, Flat (3/8")
10	154243	1	• CABLE, Weld (#2/0, 21" x 3/8")
	139031	1	• • CLAMP, Battery post - negative
11	138464	1	• BOLT, Hex head (0.375"-16 x 0.650" Grade 5)
12	138704	1	• CABLE, Battery
	139106	1	• • BOOT, Terminal - red
13	103995	2	• WASHER, Flat (0.25")
14	115649	2	• NUT, Lock (0.25"-20 gr 5)
15	119674	1	• LABEL, Battery Disconnect
-	170482	1	CHARGE INDICATOR ASSEMBLY
16	152323	1	• INDICATOR, Charge
17	152344	1	• WIRE ASSEMBLY, Charge indicator (00) (not shown)
18	152345	1	• WIRE ASSEMBLY, Charge indicator (03) (not shown)

4.17 Base Control Box



M218380

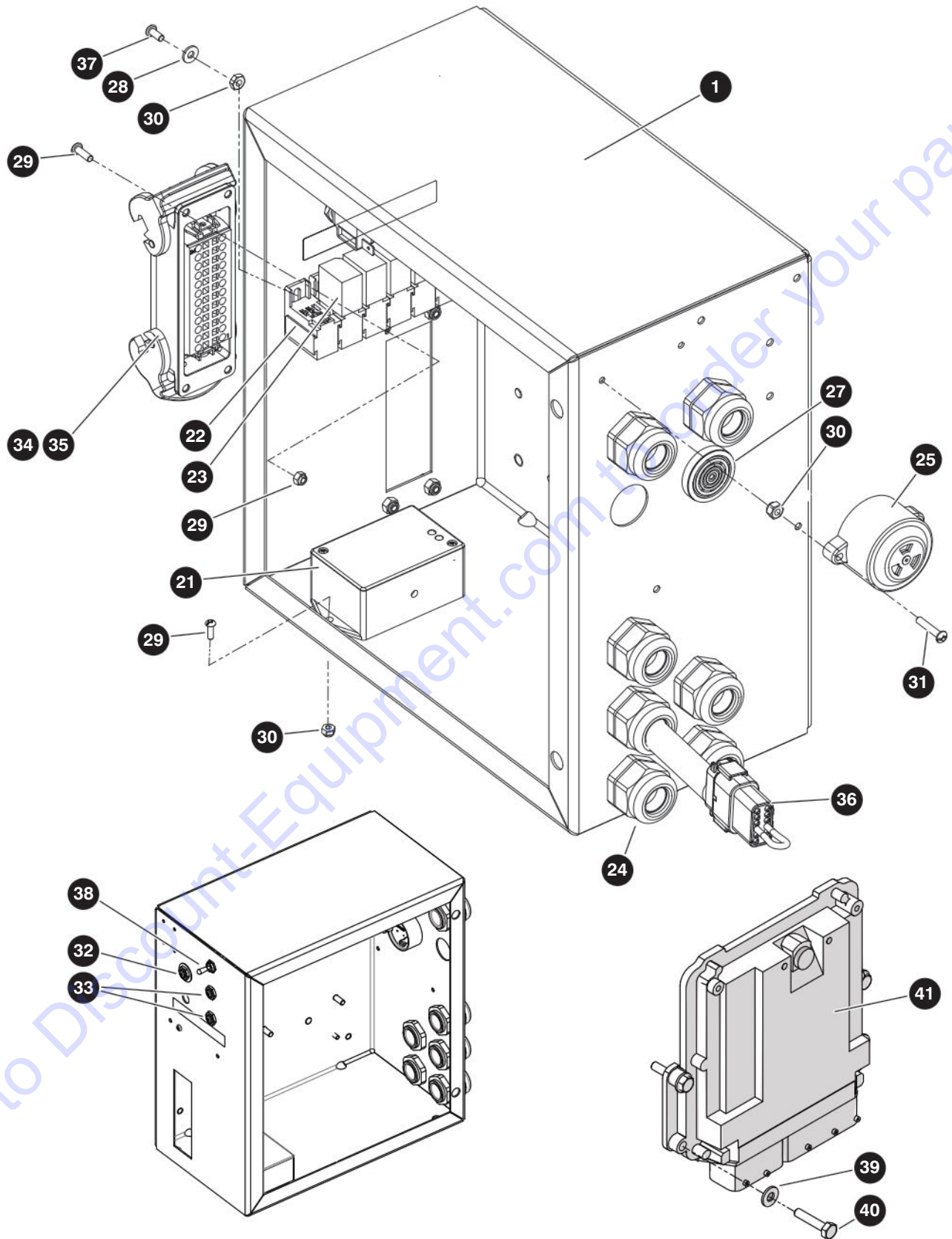
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4.17 Base Control Box

Index No.	Skyjack Part No.	Qty.	Description
-	218380	1	BASE CONTROL BOX
-	218365	1	• CONTROL BOX
1	218366	1	• • BODY, Control box
2	218243	1	• • DOOR, Control box
3	149281	1	• • HINGE, Continuous
4	149282	1	• • WEATHER STRIP
5	149437	2	• • BOLT - 1/4 turn
6	149320	2	• • RETAINER - 1/4 turn
7	149321	2	• • RECEPTACLE - 1/4 turn
8	195940	1	• HOUR METER
9	102853	8	• SWITCH, Toggle
10	218354	1	• SWITCH, Key
	147056	1	• • LATCH, Mounting
	149605	1	• • HEAD, Selector switch - keyed
	166141	1	• • BLOCK, Contact, NO (black plunger)
	166142	1	• • BLOCK, Contact, NO (yellow plunger)
	147053	1	• • BLOCK, NC Contact
11	144652	1	• SWITCH, Emergency stop
	147056	1	• • LATCH, Mounting
	147053	1	• • BLOCK, NC Contact
	147229	1	• • SWITCH, LED block
	147051	1	• • SWITCH HEAD, Emergency stop
12	213307	4	• LIGHT, LED amber - 12V
13	213308	1	• LIGHT, LED red - 12V
14	(Ref.)	1	• TERMINAL STRIP, Base (For components, refer to 4.18 Base Terminal Strip)
15	104694	2	• WASHER, Flat (#10)
16	104003	2	• NUT, Hex (10-32)
17	218381	1	• MODULE, Master
	218277	1	• • SERVICE TOOL
	218276	1	• • • HARNESS, SMB1 to peak
	218278	1	• • • ADAPTER, PCAN-USB
18	103995	6	• WASHER, Flat (1/4")
19	115649	6	• NUT, Hex lock (1/4"-20 Gr 5, nylon)
20	114710	1	KEYRING

4.17 Base Control Box



M218432AA-1

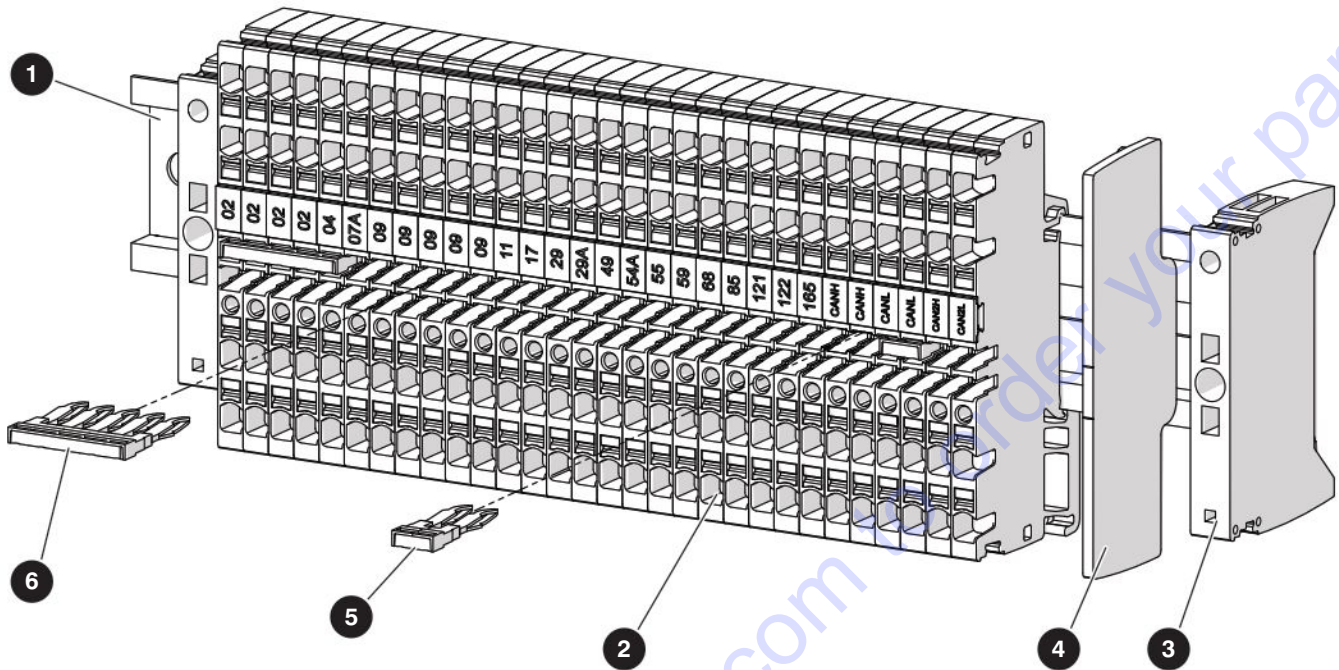
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SJ46 AJ+

4.17 Base Control Box

Index No.	Skyjack Part No.	Qty.	Description
21	149426	1	• ANGLE TRANSDUCER - DUAL AXIS
22	218997	6	• SOCKET, Micro relay
23	931298	5	• RELAY
24	116266	8	• CONNECTOR, Liquid tight (Heyco)
25	103056	1	• BEEPER (7.5 - 16 VDC)
26	146652	1	• HORN. (12V)
27	144387	1	• ALARM, Panel mount
28	103991	2	• WASHER, Flat (#8)
29	103957	6	• SCREW, Round head machine (8-32 x 1/2")
30	138765	8	• NUT, Lock (8-32 Grade5, zinc-nylon)
31	126499	2	• SCREW, Round head machine (8-32 x 7/8")
32	117326	1	• CIRCUIT BREAKER (20 AMP)
33	117325	2	• BREAKER, Circuit (15 AMP)
34	138751	1	• HOUSING - OPEN BOT. 24 POLE DBL. LEVER
35	138756	1	• SOCKET, 24 POLE SPRING 16A
36	221144	1	• HARNESS, Elevate telematics bypass
37	112327	2	• BOLT, Self tapp (#8-18 x 1/2")
38	102853	1	• SWITCH, Toggle
39	103995	8	• WASHER, Flat (1/4")
40	103857	4	• BOLT, Hex head (1/4"-20 x 1-1/4")
41	TBD	1	ECU - Deutz D2.9L

4.18 Base Terminal Strip



M218498AD

Index No.	Skyjack Part No.	Qty.	Description
-	218498	1	BASE TERMINAL STRIP
1	233337	224 mm	• RAIL
2	233338	32	• BLOCK, Terminal
3	233341	2	• PLATE, End
4	233342	1	• PLATE, Separator
5	233343	2	• JUMPER, 2-pin
6	233345	2	• JUMPER, 5-pin

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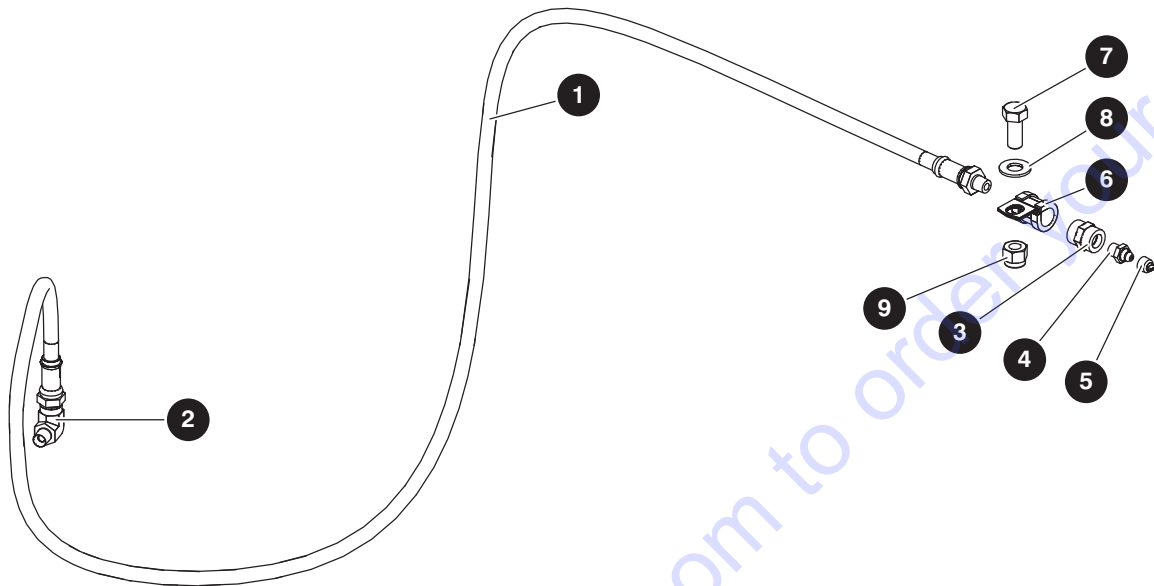
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4.19 Grease Line



M148613AB

Index No.	Skyjack Part No.	Qty.	Description
-	148613	1	GREASE LINE HOSE ASSEMBLY
1	139090	1	• LINE, Grease
2	139094	1	• FITTING, Elbow 90° (1/8 NPTM - 1/8 NPTF)
3	139095	1	• FITTING, Straight (1/8 NPTF - 1/8 NPTF)
4	102027	1	• FITTING, Straight grease (1/8 NPT)
5	132565	1	• CAP
6	144129	1	• CLIP, Single
7	300437	1	• BOLT, Hex head (3/8"-16 x 7/8", Grade 5)
8	103472	1	• WASHER, Flat (3/8")
9	104606	1	• NUT, Hex lock (3/8"-16 Grade 5, nylon)

Section 5 – Electrical Harnesses

5.1 *Main Electrical and Fuel Level Switch Harnesses*

5.2 *Battery Cables*

5.3 *Jib/Rotate Valve Harness*

5.4 *AC Outlet - 110/220V*

5.5 *Glow Plug Harness - Deutz D2.9L*

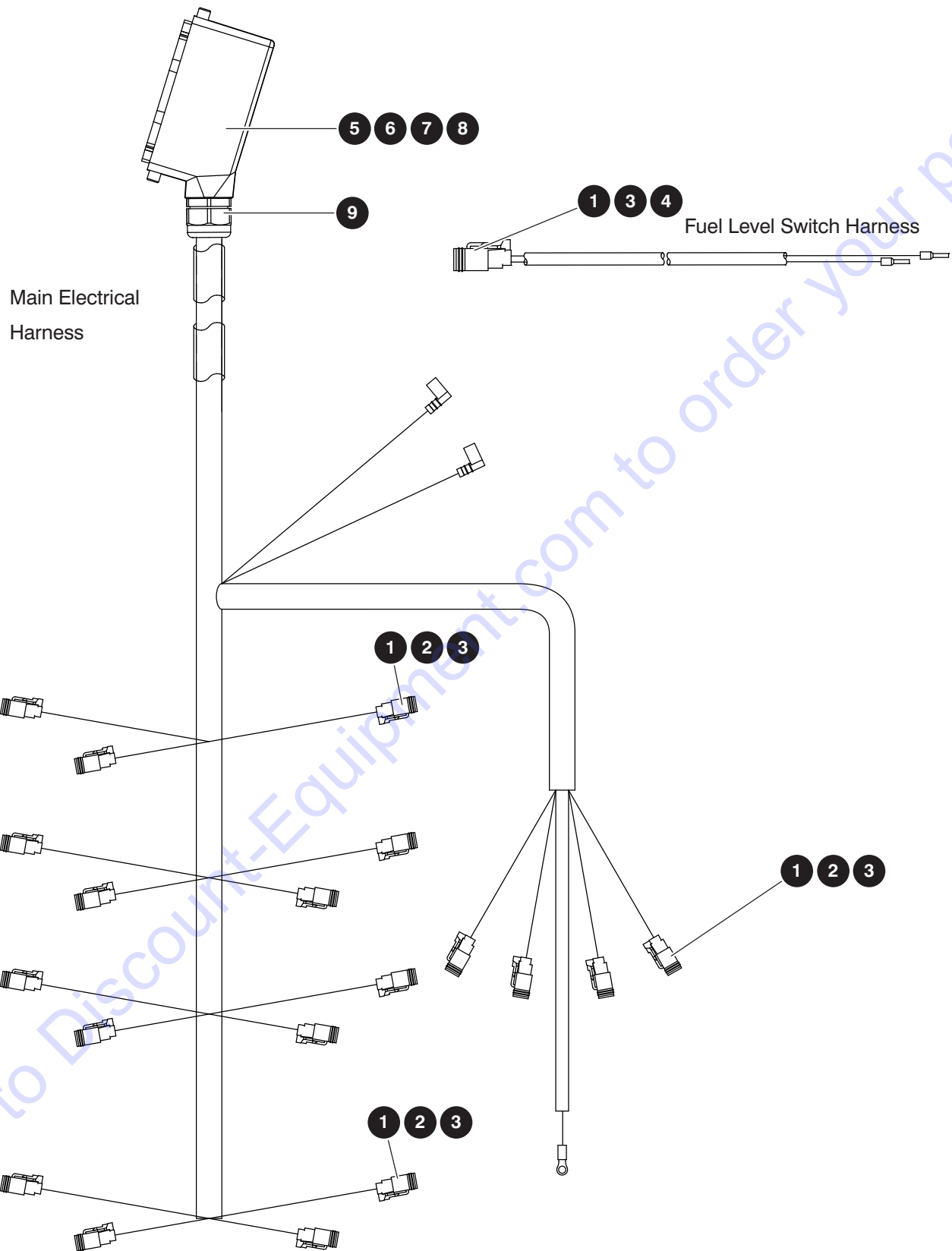
5.6 *Glow Plug Harness - Deutz D2011 Engine*

5.7 *ECU Harnesses - Deutz D2011 Engine*

5.8 *Engine Interface Harness - Deutz D2.9L*

5.9 *Engine Interface Harness - Kubota WG2503*

5.1 Main Electrical and Fuel Level Switch Harnesses



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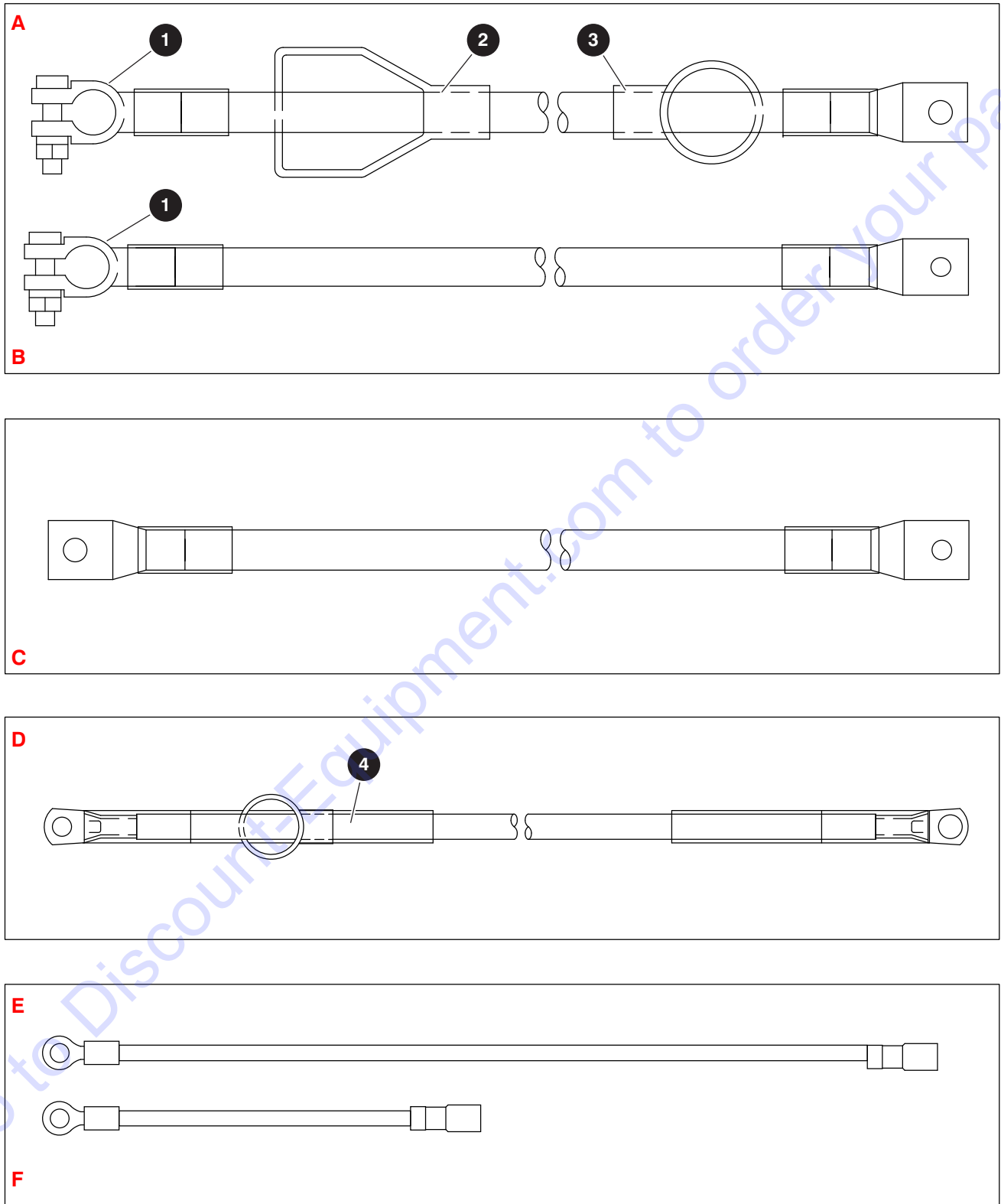
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5.1 Main Electrical and Fuel Level Switch Harnesses

Index No.	Skyjack Part No.	Qty.	Description
A	218488	1	HARNESS, Main electrical
B	218487	1	HARNESS, Fuel level switch
1	117597	19	• PLUG, Deutsch (2-pin), A
		1	• PLUG, Deutsch (2-pin), B
2	117591	38	• SOCKET, Deutsch (16/18 GA)
3	117599	19	• WEDGE, Deutsch (2-pin), A
		1	• WEDGE, Deutsch (2-pin), B
4	117590	2	• CONNECTOR, Contact (16-18)
5	138753	1	• HOOD, Side 24 pole (M32)
6	138755	1	• PLUG, 24 pole spring (16A)
7	115401	21	• FERULE (18GA)
8	138044	4	• FERULE (14GA)
9	138754	1	• STRAIN, RELIEF (M32 x 1.5)

5.2 Battery Cables



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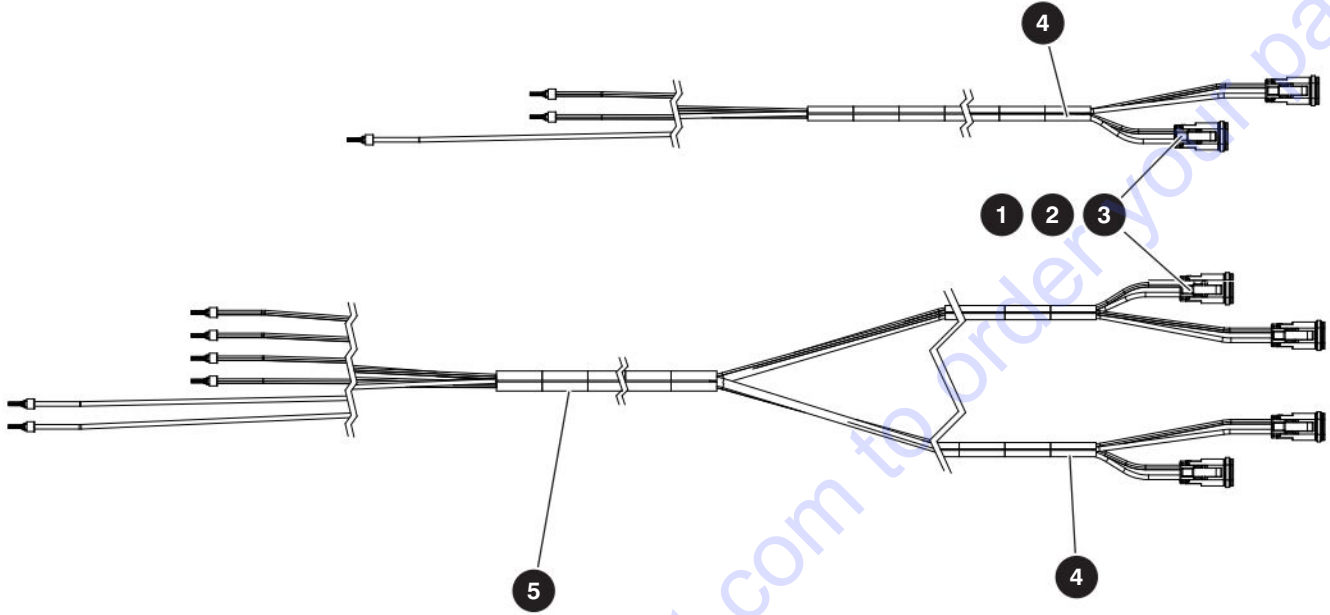
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5.2 Battery Cables

Index No.	Skyjack Part No.	Qty.	Description
A	138700	1	CABLE HARNESS (Battery positive to battery disconnect)
B	154243	1	CABLE HARNESS (Battery negative to turret ground)
C	159915	1	CABLE HARNESS (Flywheel to turret)
D	138704	1	CABLE HARNESS (Emergency pump to battery disconnect)
E	152344	1	WIRE ASSEMBLY (Charge indicator, 00)
F	152345	1	WIRE ASSEMBLY (Charge indicator, 03)
1	139030	1	• POST CLAMP, Battery (#2/0 positive), A
	139031	1	• POST CLAMP, Battery (#2/0 negative), B
2	139032	1	• POST BOOT, Battery (#2/0 red), A
3	139105	1	• TERMINAL BOOT (#2/0 red), A
4	139106	1	• TERMINAL BOOT (#1 red), D

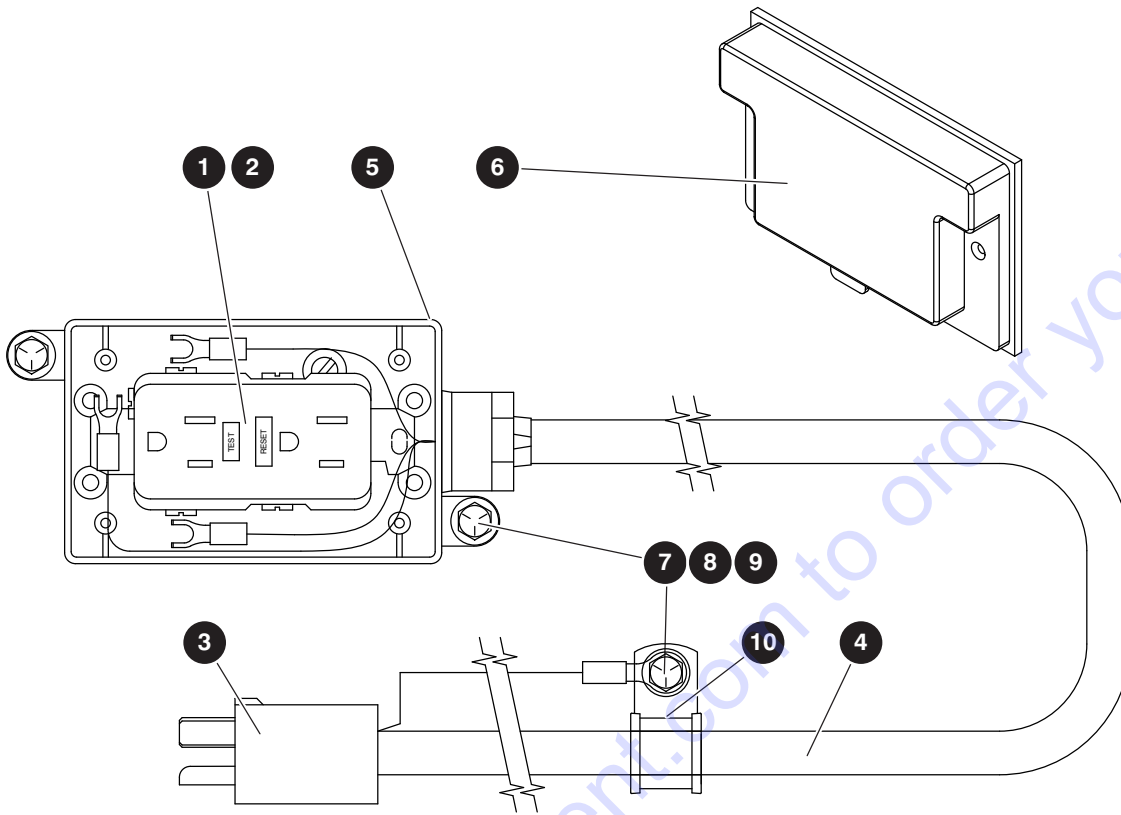
5.3 Jib/Rotate Valve Harness



M167740AB_M167698AB

Index No.	Skyjack Part No.	Qty.	Description
-	167698	1	HARNESS, Jib and platform rotate
1	117597	4	• CONNECTOR, Plug 2-pin
2	117599	4	• WEDGE, Connector plug 2-pin
3	117591	8	• SOCKET, Contact - connector plug 2-pin
4	124399	38"	• PROTECTOR, Wire (1/4")
5	111354	120"	• PROTECTOR, Wire (3/8")

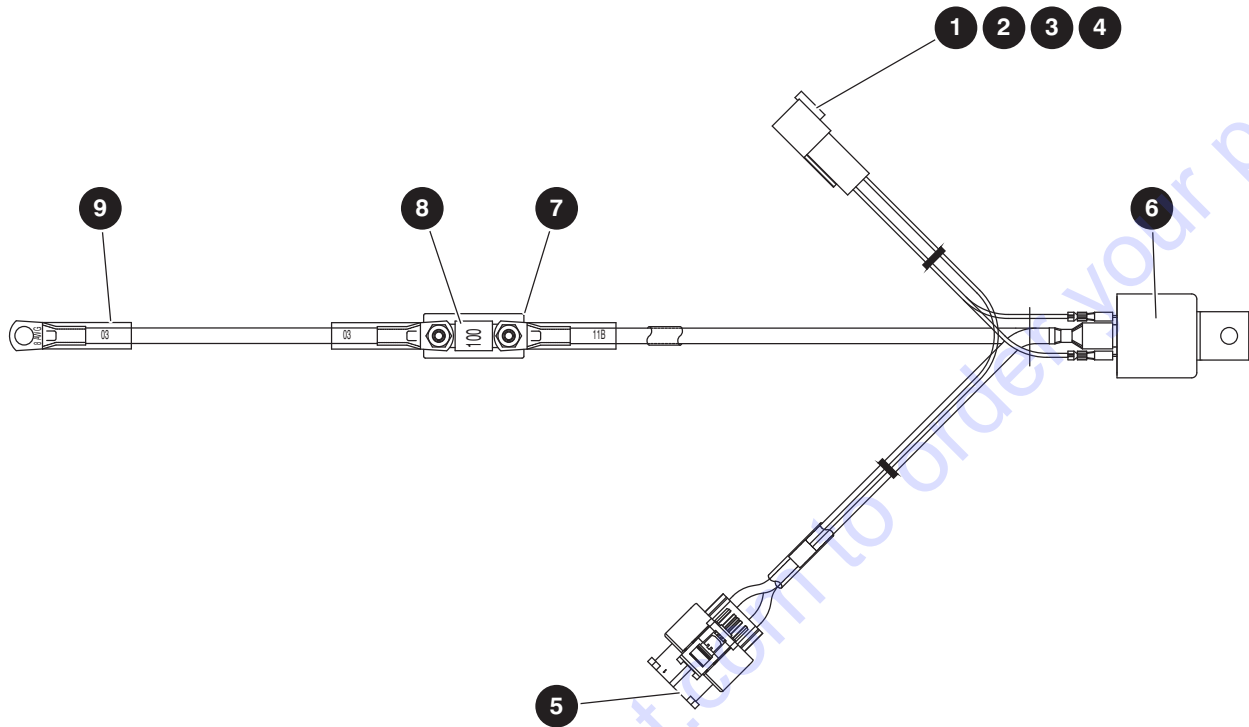
5.4 AC Outlet - 110/220V



M1448634AA

Index No.	Skyjack Part No.	Qty.	Description
-	148634	1	110V OUTLET ASSEMBLY
1	109698	1	• RECEPTACLE, GFI
2	121461	2	• BOLT, Machine round head (6-32 UNC x 3/8")
-	149492	1	• 110V CABLE ASSEMBLY
3	104208	1	• • PLUG, Male (15A - 225V)
4	103259	758"	• • CABTIRE (12/3 300V)
4	136328	1	• BOX, AC outlet
5	109699	1	• PLATE, Weatherproof cover
6	115649	3	• NUT, Hex nylon lock (1/4"-20, Grade 5)
7	103857	3	• BOLT, Hex head (1/4"-20 x 1", Grade 5)
8	103995	3	• WASHER, Flat (1/4")
9	103024	1	• CLIP, Single (G8)

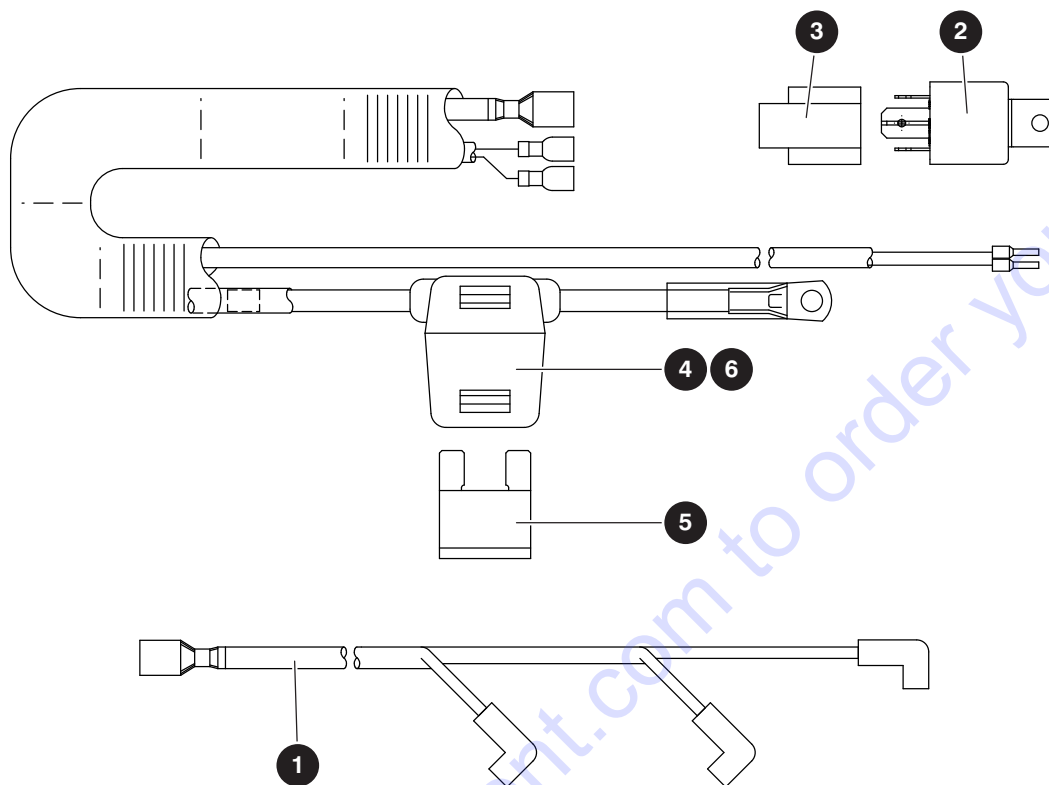
5.5 Glow Plug Harness - Deutz D2.9L



M165028AB

Index No.	Skyjack Part No.	Qty.	Description
-	165028	1	HARNESS ASSEMBLY, Glow Plug - Deutz D2.9L Engine
-	165048	1	• HARNESS, Glow plug
1	117578	1	• • RECEPTACLE, Connector (4 pin)
2	117580	1	• • RECEPTACLE, Connector (4 pin wedge)
3	117590	3	• • CONTACT PIN, Connector (16-18)
4	117594	1	• • SEALING PLUG, Connector
5	165050	1	• • CONNECTOR, (2F TYCO BNG1)
6	165029	1	• RELAY, 150A (12V SPST)
7	165030	1	• HOLDER, Fuse (Inline)
8	165031	1	• FUSE, Bolt-down (100A)
9	165049	1	• WIRE ASSEMBLY, Power (Glow plug)

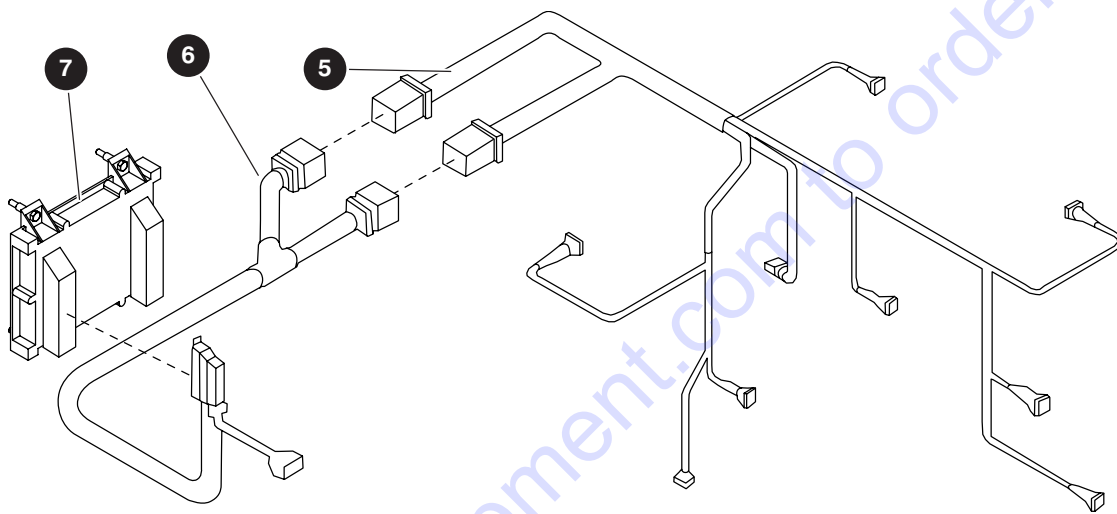
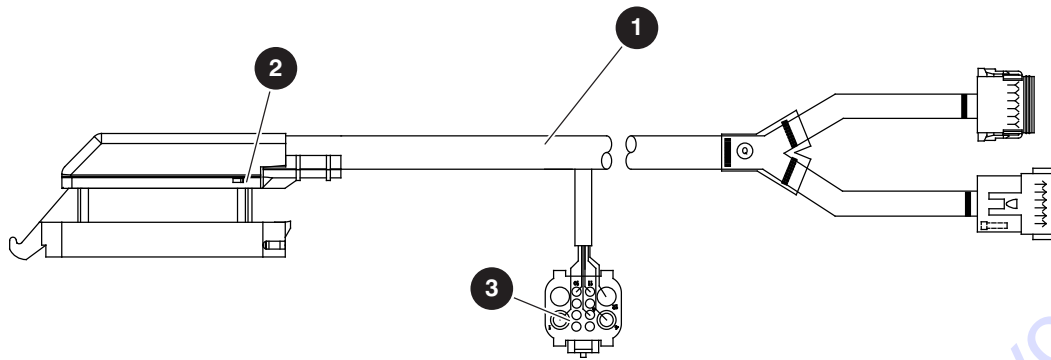
5.6 Glow Plug Harness - Deutz D2011 Engine



M148653AA

Index No.	Skyjack Part No.	Qty.	Description
-	148653	1	GLOW PLUG HARNESS - Deutz D2011
1	139199	1	• HARNESS, Glow plug, Deutz
-	149439	1	• HARNESS, Relay - glow plug
2	138844	1	• • RELAY, 80A 12C SPST
3	138845	1	• • SOCKET, 80A relay
4	138847	1	• • FUSE HOLDER, Inline
5	138848	1	• • FUSE, 50A
6	139195	1	• • COVER, Fuse holder

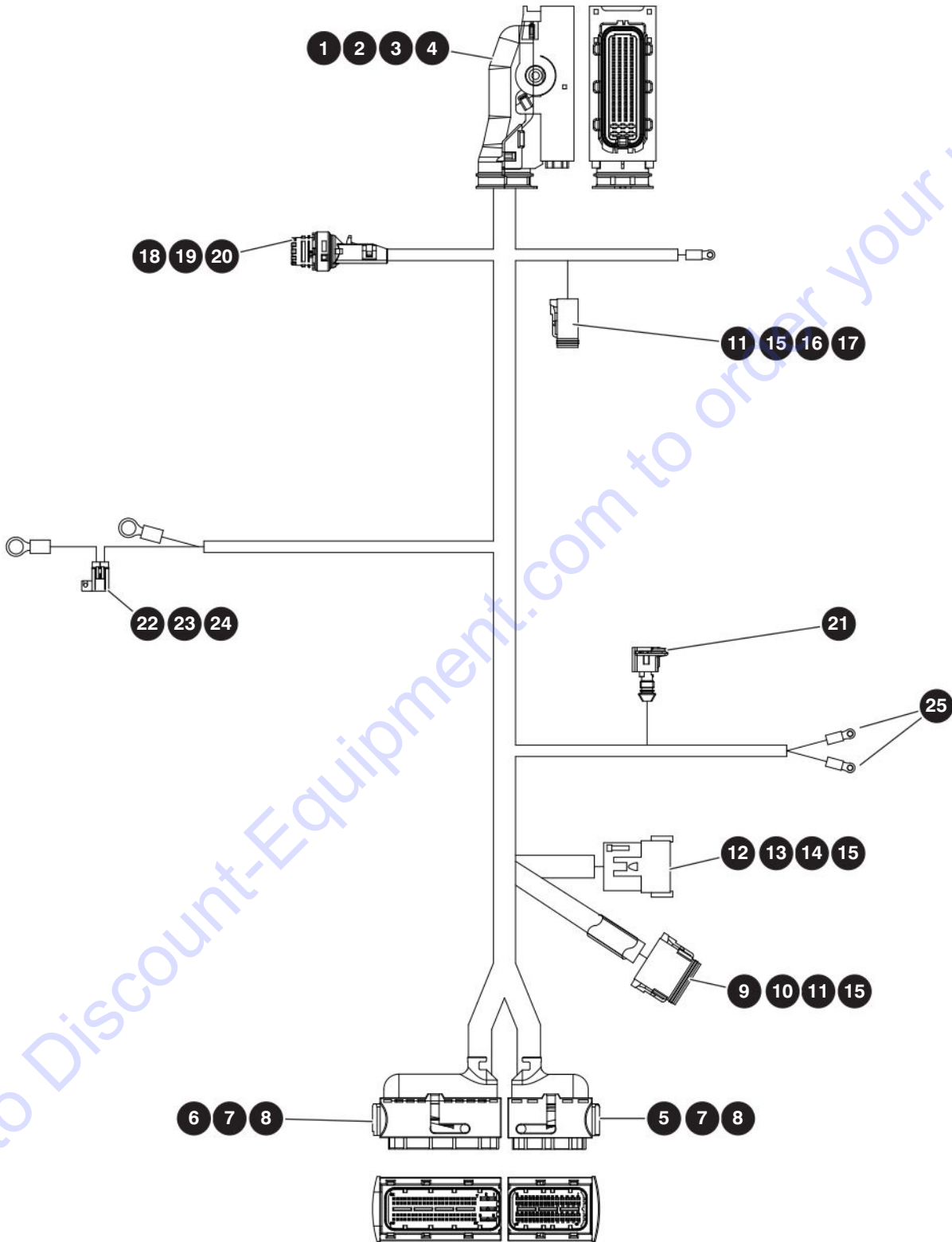
5.7 ECU Harnesses - Deutz D2011 Engine



M146007AA_146008AA

Index No.	Skyjack Part No.	Qty.	Description
1	148927	1	HARNESS, ECU - Deutz D2011
2	138574	1	• CONNECTOR KIT, Deutz controller
3	150975	1	• CONNECTOR KIT, Universal
4	138576	1	• CONNECTOR KIT, Deutz programming (not shown)
5	146007	1	HARNESS, Cable
6	146008	1	HARNESS, Interconnect Cable
7	(Ref.)	1	ENGINE CONTROL UNIT, Deutz

5.8 Engine Interface Harness - Deutz D2.9L



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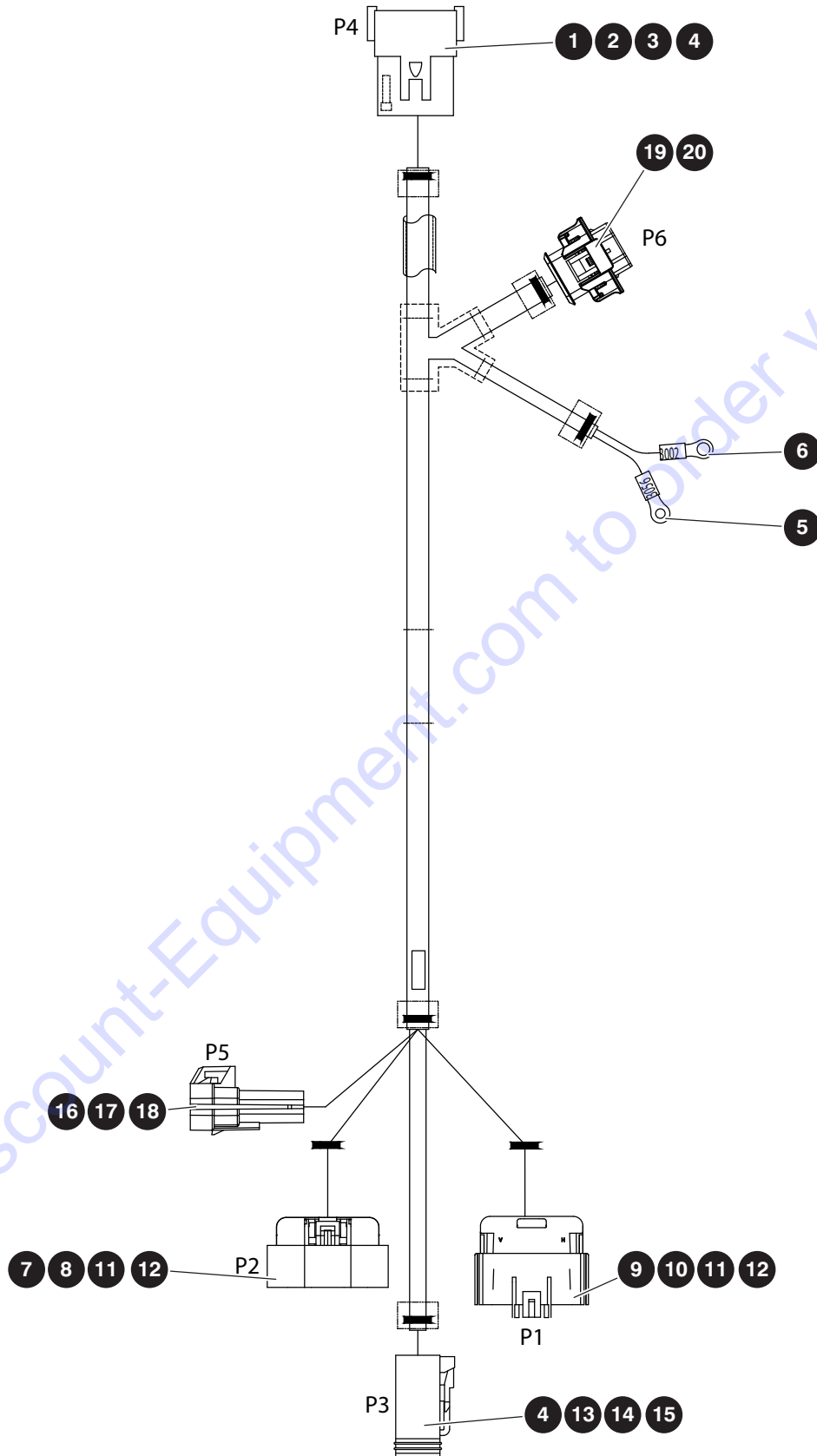
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5.8 Engine Interface Harness - Deutz D2.9L

Index No.	Skyjack Part No.	Qty.	Description
-	195624	1	HARNESS, Engine interface - Deutz D2.9L
1	164544	1	<ul style="list-style-type: none"> • CONNECTOR, (62F AMP MCP)
2	164545	1	<ul style="list-style-type: none"> • COVER, Connector (62 pin)
3	164548	24	<ul style="list-style-type: none"> • PLUG, Cavity (3.6mm MCP)
4	164551	4	<ul style="list-style-type: none"> • PLUG, Cavity (5.4mm MCP)
5	164556	1	<ul style="list-style-type: none"> • CONNECTOR, (60F AMP MQS)
6	164567	1	<ul style="list-style-type: none"> • CONNECTOR, (94F AMP MQS+MCP)
7	164563	77	<ul style="list-style-type: none"> • PLUG, Cavity (MQS)
8	164564	12	<ul style="list-style-type: none"> • PLUG, Cavity (MQS)
9	117587	1	<ul style="list-style-type: none"> • PLUG, Connector (12 pin)
10	117589	1	<ul style="list-style-type: none"> • PLUG, Connector (12 pin wedge)
11	117591	3	<ul style="list-style-type: none"> • SOCKET, Connector contact (16-18)
12	117586	1	<ul style="list-style-type: none"> • RECEPTACLE, Connector (12 pin)
13	117588	1	<ul style="list-style-type: none"> • RECEPTACLE, Connector (12 pin wedge)
14	117590	10	<ul style="list-style-type: none"> • PIN, Connector contact (16-18)
15	117594	5	<ul style="list-style-type: none"> • PLUG, Connector sealing
16	117579	1	<ul style="list-style-type: none"> • PLUG, Connector (4 pin)
17	117581	1	<ul style="list-style-type: none"> • PLUG, Connector (4 pin wedge)
18	164579	1	<ul style="list-style-type: none"> • CONNECTOR, Circular (4F 2.5mm)
19	164580	1	<ul style="list-style-type: none"> • STRAIN RELIEF (Straight)
20	156172	1	<ul style="list-style-type: none"> • PLUG, Cavity (JPT)
21	156163	1	<ul style="list-style-type: none"> • CONNECTOR, (2F AMP)
22	156127	1	<ul style="list-style-type: none"> • CONNECTOR, Fuse holder (2F 630 M/P)
23	156164	1	<ul style="list-style-type: none"> • FUSE, 30A (ATO)
24	156117	1	<ul style="list-style-type: none"> • COVER, Autofuse (Inline)
25	105359	2	<ul style="list-style-type: none"> • TERMINAL, Spade (14-16 GA Blue), A

5.9 Engine Interface Harness - Kubota WG2503



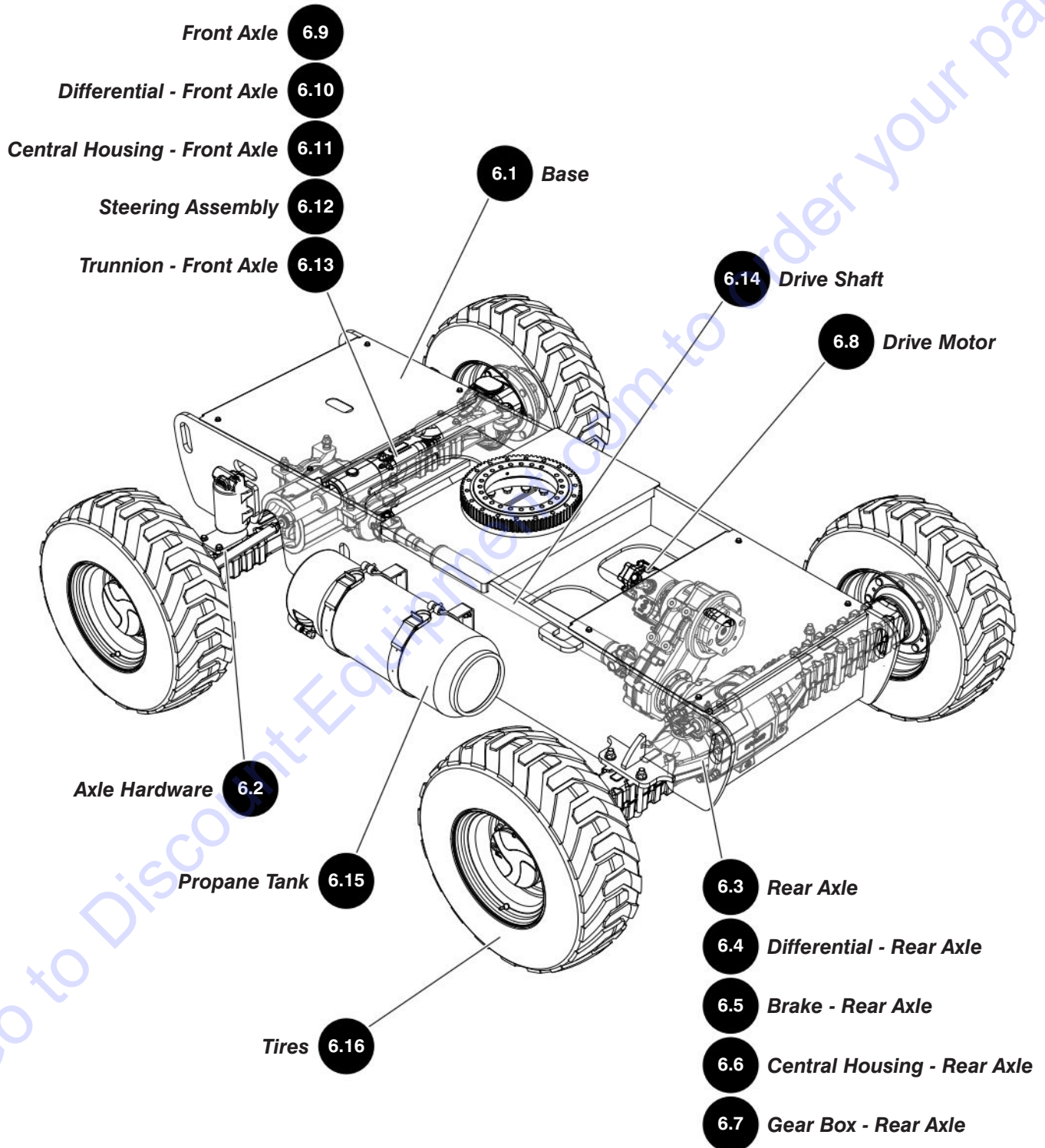
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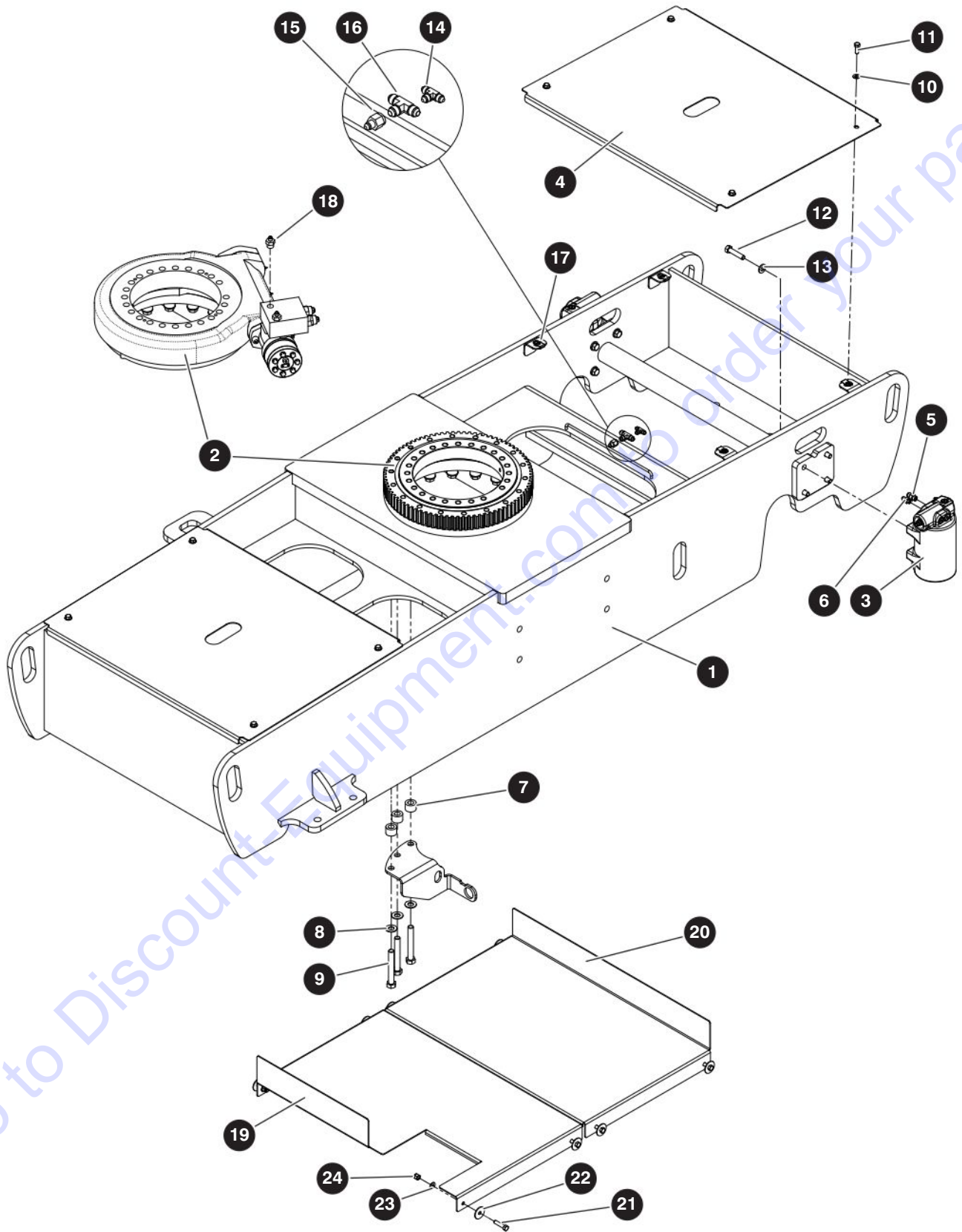
5.9 Engine Interface Harness - Kubota WG2503

Index No.	Skyjack Part No.	Qty.	Description
-	169377	1	HARNESS, Engine interface - Kubota WG2503
1	117586	1	• RECEPTACLE, Connector (12 pin)
2	117588	1	• RECEPTACLE, Connector (12 pin wedge)
3	117590	7	• PIN, Connector contact (16-18)
4	117594	7	• PLUG, Connector sealing
5	144337	1	• TERMINAL, Red ring #8
6	119752	1	• TERMINAL, Red ring #10
7	142361	1	• HOUSING, Female (150 GT sealed 16 way)
8	142362	4	• TERMINAL, Female (150 GT series)
9	142363	1	• HOUSING, Male (150 GT sealed 16 way)
10	142364	8	• TERMINAL, Male (150 GT series)
11	142365	12	• SEAL, Wire (150 GT series)
12	142366	20	• PLUG, Cavity (150 GT series)
13	117591	4	• SOCKET, Connector contact (16-18)
14	156180	1	• CONNECTOR, 6F DT
15	156194	1	• WEDGE, Plug
16	166481	1	• CONNECTOR, 4M 150 M/P
17	156260	4	• TERMINAL, Male sealed (0.8-0.5 mm ²) 150 MP
18	163679	1	• TPA, 4W M/P
19	170221	1	• CONNECTOR, 4M Kompakt 1.1m
20	170222	4	• TERMINAL, Female sealed (1.0-0.5 mm ²) BDK2.8

Section 6 – Base



6.1 Base



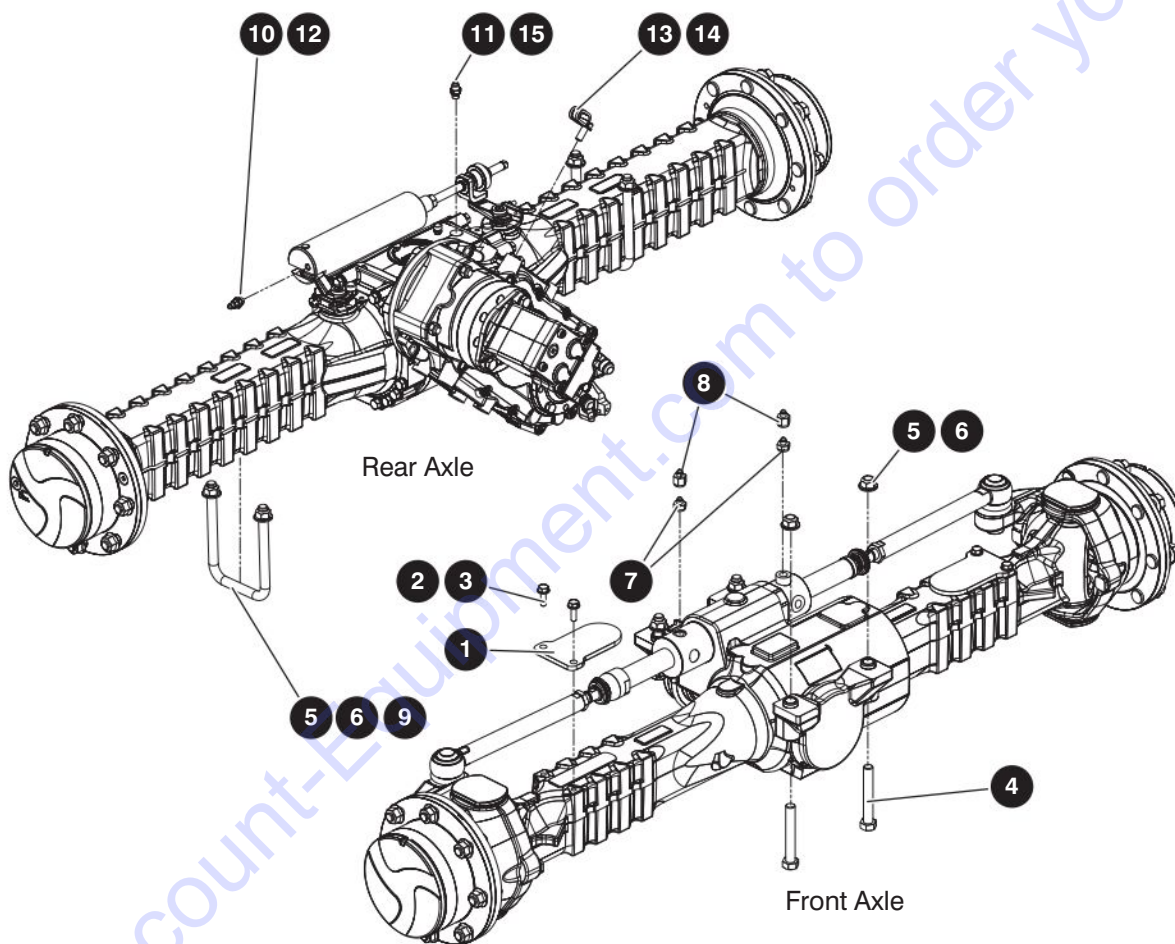
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6.1 Base

Index No.	Skyjack Part No.	Qty.	Description
-	231439	1	BASE ASSEMBLY
1	210405	1	• WELDMENT, Base
2	216673	1	• GEAR, Worm
	213546	1	• • MOTOR, Hydraulic - worm gear
	213545	1	• • SEAL KIT, Worm gear
	207357	1	• • SHIM KIT, Worm gear
3	(Ref.)	2	• AXLE LOCK CYLINDER ASSEMBLY (For components, refer to 3.8 Axle Lock Cylinder)
4	161172	2	• COVER, Chassis
5	103069	2	• FITTING, Straight (06 JICM - 06 ORBM)
6	126128	2	• FITTING, Straight (04 JICM - 04 ORBM)
8	149024	18	• SPACER
8	700782	18	• WASHER, Flat hardened (5/8")
9	701762	18	• BOLT, Hex head (5/8"-11 x 4.5", Grade 8)
10	103472	8	• WASHER, Flat (3/8")
11	103473	8	• BOLT, Hex head (3/8"-16 x 1.00", Grade 5)
12	207654	8	• BOLT, Hex head patch (1/2"-13 x 2.25", Grade 8)
13	104379	8	• WASHER, Flat hardened (1/2")
14	131697	1	• FITTING, Tee (04 JICM - 04 JICM - 04 JICM)
15	707041	1	• FITTING, Straight (06 JICF - 04 JICM)
16	131704	1	• FITTING, Tee (06 JICM - 06 JICM - 06 JICM)
17	159294	8	• NUT, Speed clip (3/8"-16)
18	701956	2	• FITTING, Straight (04 JICM - 08 ORBM)
-	210408	1	HOSE TRAY ASSEMBLY
19	208638	1	• PLATE, Botton rear
20	208639	1	• PLATE, Bottom front
21	208945	8	• BOLT, Hex head (0.375"-16 x 1.625 gr 5)
22	127067	8	• WASHER, Flat (0.375" BB)
23	103472	8	• WASHER, Flat (0.375")
24	104606	8	• NUT, Lock (0.375"-16 gr 5 nylon)

6.2 Axle Hardware



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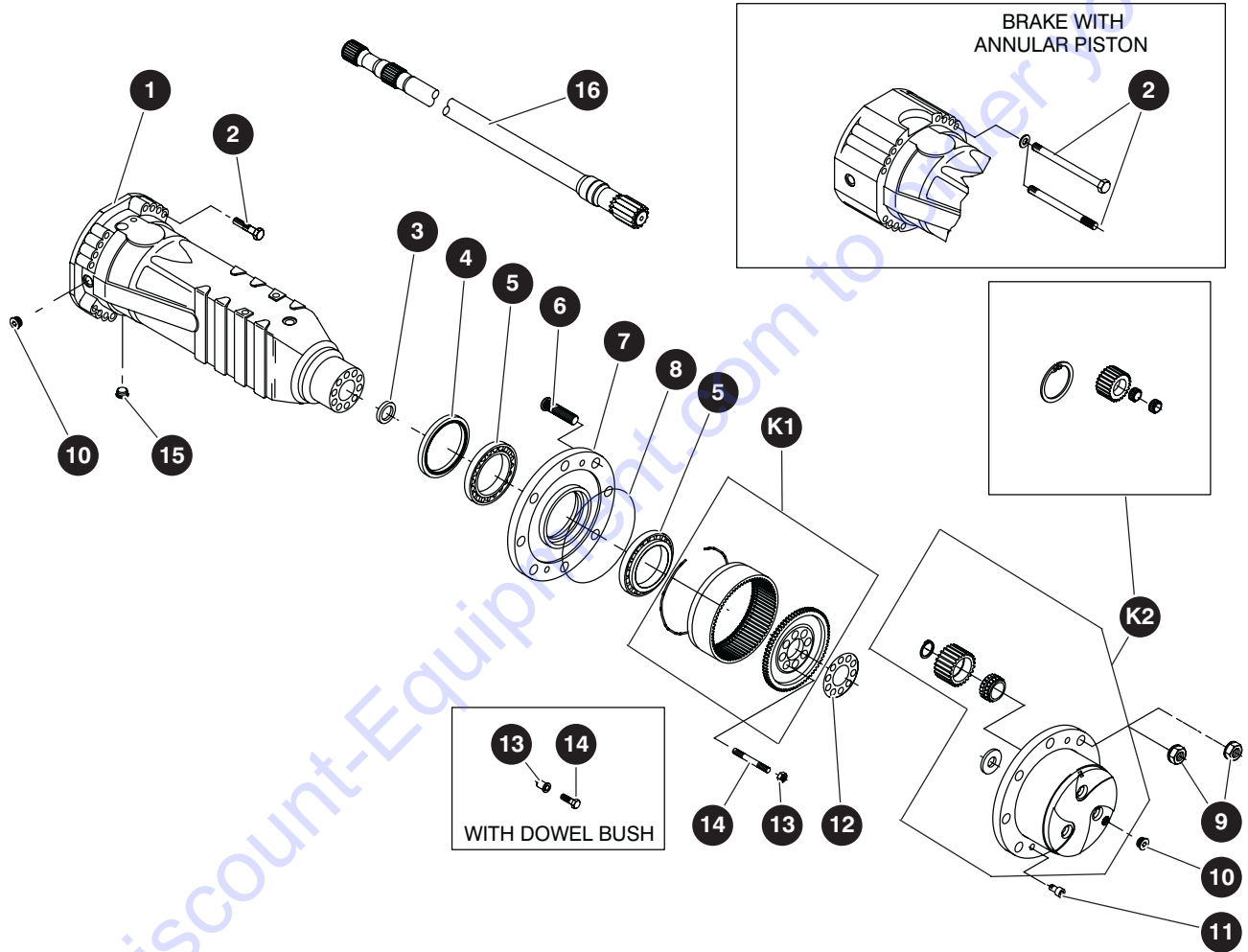
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6.2 Axle Hardware

Index No.	Skyjack Part No.	Qty.	Description
1	231407	2	PLATE, Wear pad
2	149419	4	BOLT, Hex head (M12 x 1.75 x 25mm, Grade 8.8)
3	104379	4	WASHER, Flat hardened (1/2")
4	146773	4	BOLT, Hex head (3/4"-10 x 5", Grade 8)
5	702194	8	WASHER, Flat hardened (3/4")
6	700575	8	NUT, Torque lock (3/4"-10, Grade C)
7	152304	2	FITTING, Straight (08 JICM - M18 DIN 3852-1)
8	706812	2	FITTING, Straight (08 JICF - 04 JICM)
9	148866	2	U-BOLT, Axle mount
10	144128	1	FITTING, 90° (04 JICM - 04 BSPPM)
11	149181	1	FITTING, Straight (06 JICM - M14 ISO6149)
12	139126	1	SEAL, British bonded (04BSPPM)
13	152333	1	CLAMP, Tube (5/8" cus double 17/32 hole)
14	138734	1	BOLT, Hex head (M14 x 2 x 30 mm, grade 8.8)
17	702875	1	FITTING, Straight (04JICM-04JICFS)

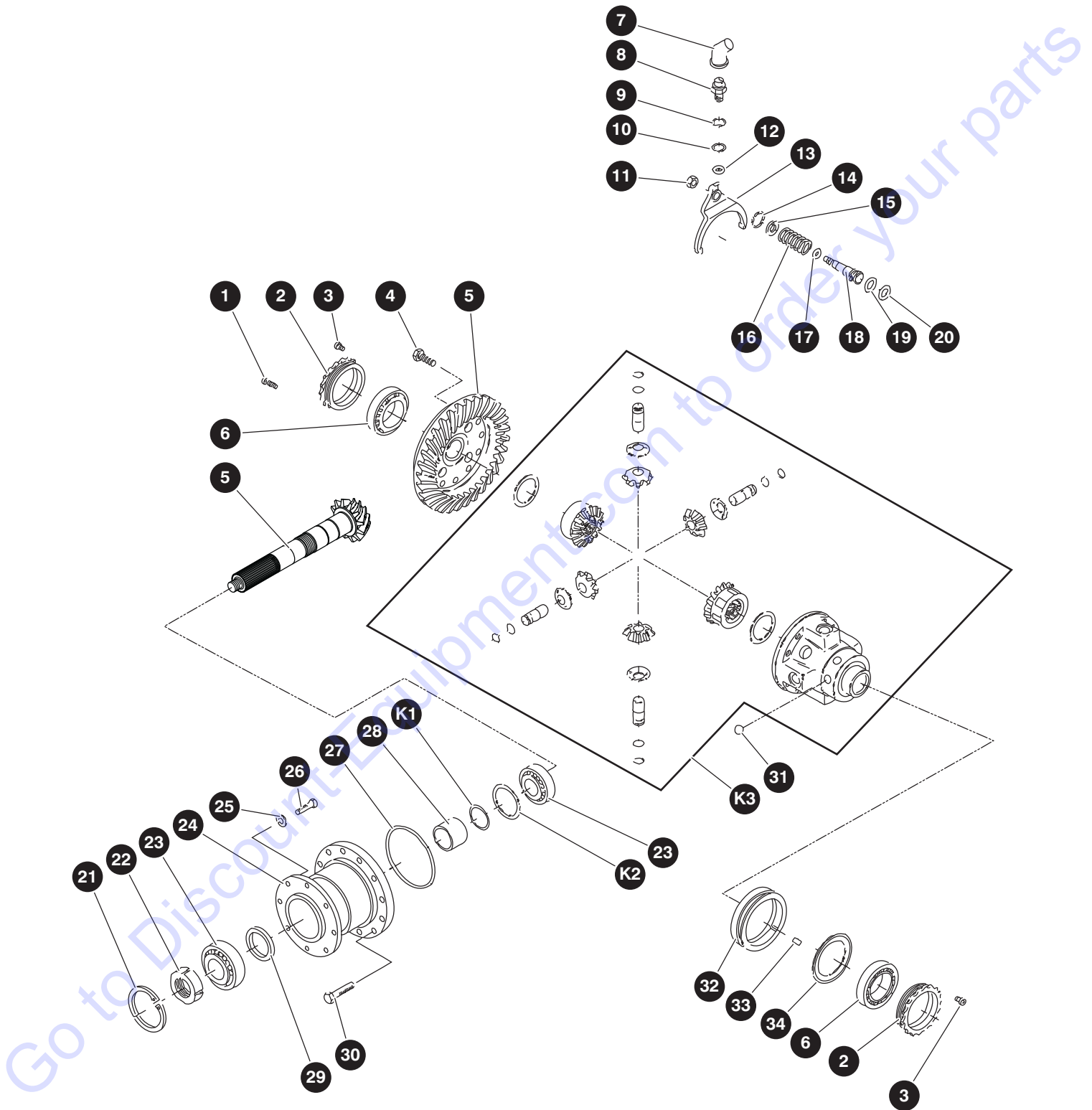
6.3 Rear Axle



6.3 Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
-	148916	1	REAR AXLE ASSEMBLY (with gear box)
1	141078	2	• CASE, Axle
2	141079	32	• BOLT
3	141082	2	• SEAL
4	141018	2	• SEAL
5	141019	4	• BEARING
6	141021	16	• STUD, Wheel
7	141020	2	• HUB, Wheel
8	140970	2	• O-RING
9	154590	16	• NUT
10	140969	4	• PLUG
11	141033	4	• BOLT, Countersunk
12	141081	2	• PLATE, Locking
13	141027	16	• NUT
14	141026	16	• STUD
15	140968	2	• PLUG, Magnet
16	141080	2	• SHAFT, Half
17	(Ref.)	2	• DIFFERENTIAL ASSEMBLY (For components, refer to 6.4 Differential - Rear Axle)
18	(Ref.)	1	• BRAKES - REAR AXLE (For components, refer to 6.5 Brake - Rear Axle)
19	(Ref.)	1	• CENTRAL HOUSING ASSEMBLY (For components, refer to 6.6 Central Housing - Rear Axle)
K1	141042	2	KIT, Ring gear support
K2	141034	2	KIT, Planet gear carrier

6.4 Differential - Rear Axle



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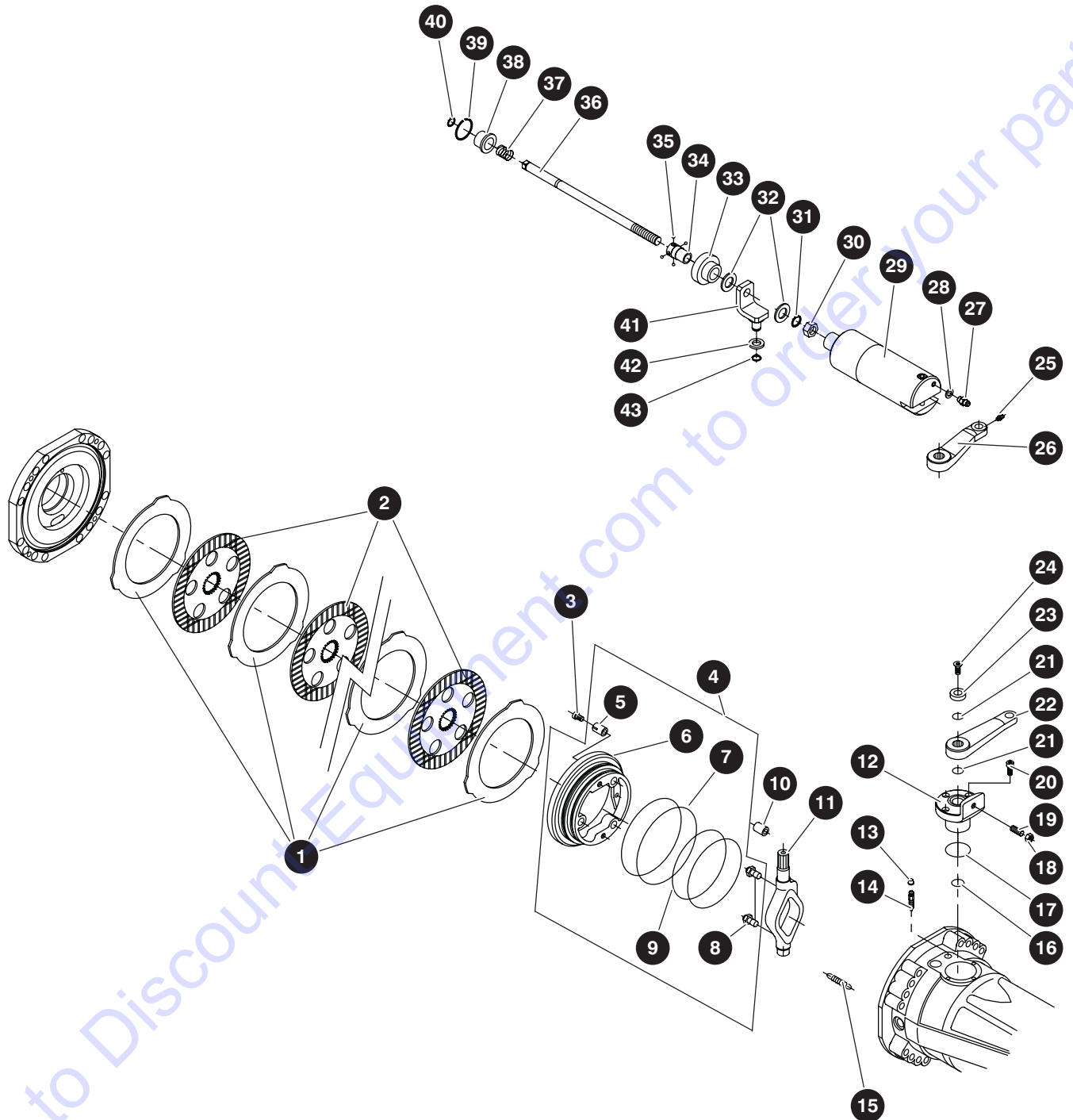
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6.4 Differential - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
1	140977	4	BOLT
2	141068	2	NUT, Ring
3	151768	2	BOLT
4	140993	12	BOLT
5	141065	1	GEAR SET, Bevel
6	140987	2	BEARING, Taper roller
7	154576	1	BOOT
8	154577	1	SWITCH, Security
9	154589	1	WASHER, Seal
10	154578	1	WASHER, Seal
11	154580	1	NUT
12	154579	1	O-RING
13	154588	1	SELECTOR FORK
14	154587	1	CIRCLIP
15	154586	1	PLUG
16	154585	1	SPRING
17	154571	1	CIRCLIP
18	154584	1	PISTON
19	154583	1	O-RING
20	154575	1	RING
21	140966	1	CIRCLIP
22	140980	1	RING NUT
23	140984	2	BEARING, Taper roller
24	141063	1	COVER
25	141075	8	WASHER, Spring
26	141076	8	BOLT, Hexagon
27	141064	1	O-RING
28	141062	1	SPACER
29	141074	1	SEAL
30	141072	12	BOLT, Hexagon
31	154574	6	BALL, Detent
32	154582	1	SELECTOR
33	154572	1	KEY
34	154581	1	SHEET
K1	140982	1	KIT, Shim
K2	140983	1	KIT, Shim
K3	154573	1	KIT, Differential position

6.5 Brake - Rear Axle



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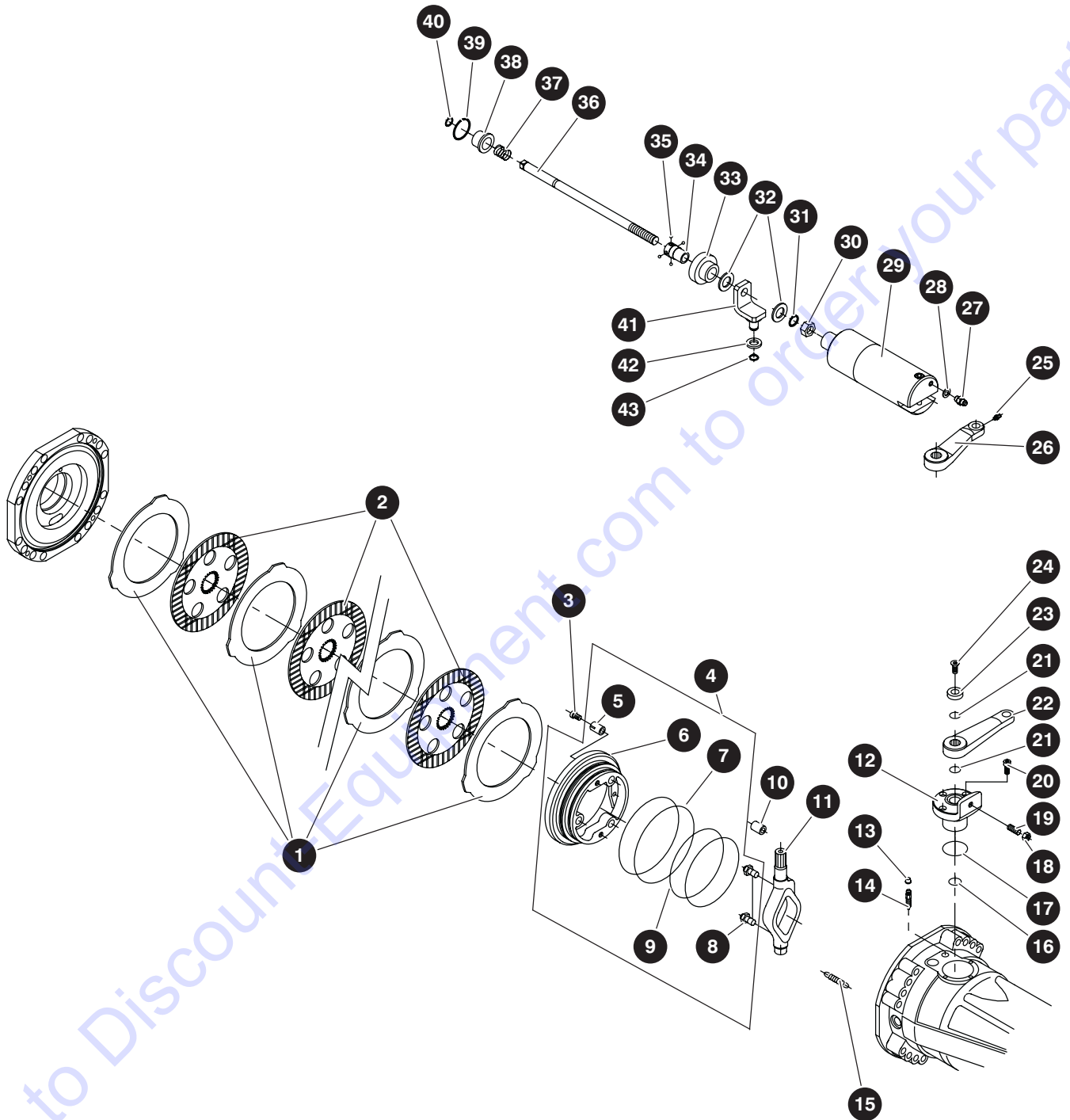
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SKYJACK

6.5 Brake - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
1	141096	10	BRAKE DISC, Intermediate
2	141108	8	DISC, Brake
3	141097	6	BOLT, Adjusting
4	151757	1	PISTON (Right)
	151758	1	PISTON (Left)
5	141098	3	• SPRING
6	141109	1	• PISTON (Right)
	141099	1	• PISTON (Left)
7	141101	1	• O-RING
8	151759	2	• PUSHER
9	141107	1	• O-RING
10	141102	2	DOWEL
11	141085	1	LEVER (Right)
	141103	1	LEVER (Left)
12	141089	2	BUSHING, Reduction
13	141006	2	PLUG
14	141086	2	BOLT, Bleeding
15	141104	6	SPRING
16	141129	2	O-RING
17	141088	2	O-RING
18	141091	2	NUT
19	141090	2	BOLT
20	141087	6	BOLT
21	141092	2	O-RING
22	141093	1	LEVER
23	141094	2	WASHER
24	141095	2	BOLT, Countersunk
25	141112	1	FITTING, Grease
26	141110	1	LEVER
27	139126	1	SEAL, British bonded
28	149195	1	FITTING, Elbow 90° (04 JICM - 04 BSPPM)
29	141123	1	CYLINDER, Wheel
30	141122	1	NUT
31	141121	1	CIRCLIP
32	141113	2	WASHER
33	141119	1	BUSHING, Reduction
34	141124	1	BUSHING, Reduction
35	141118	4	BALL, Detend
36	141117	1	CAM, Brake
37	141116	1	SPRING
38	141115	1	BUSHING, Reduction

6.5 Brake - Rear Axle



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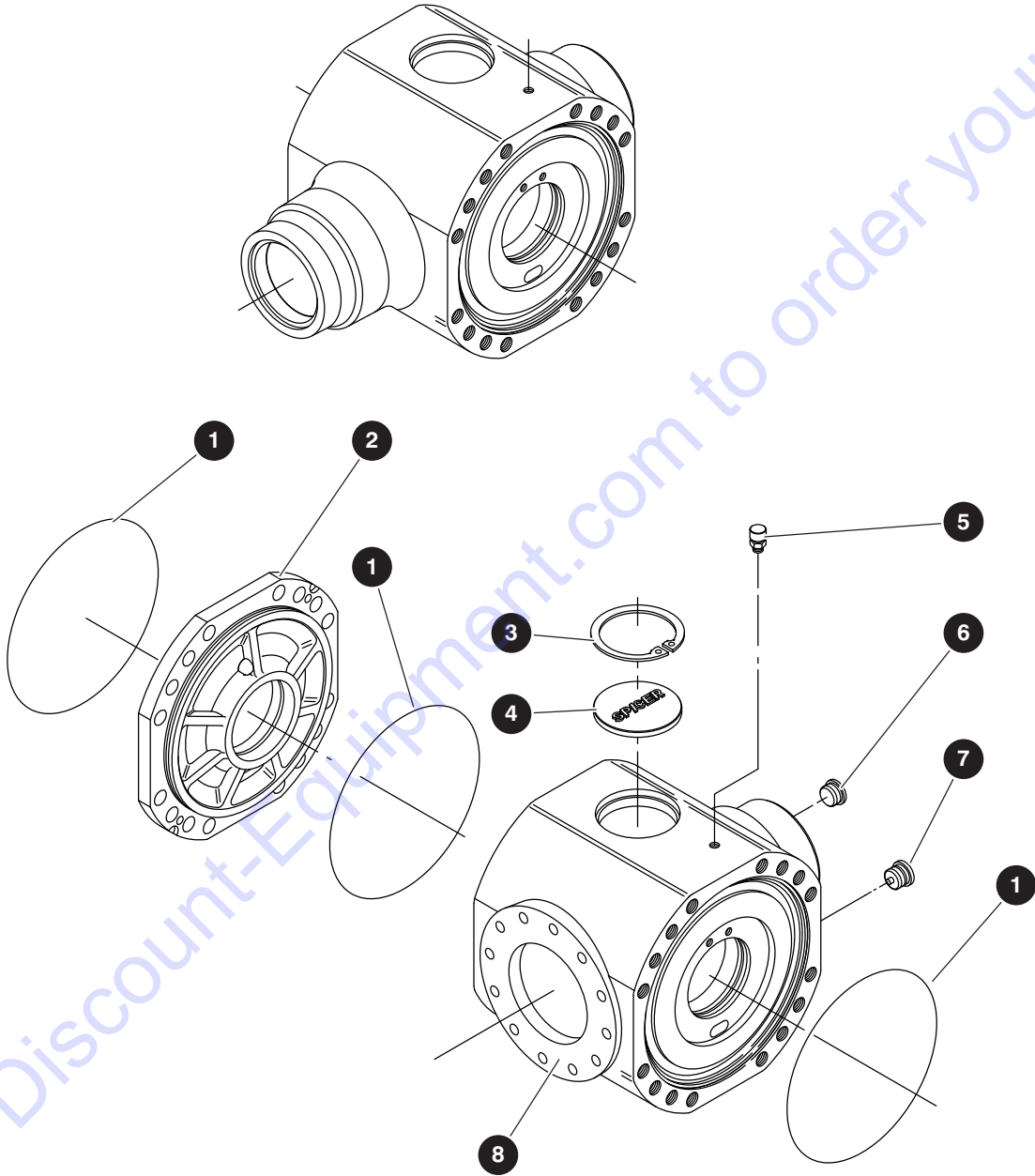
SJ46 AJ+

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6.5 Brake - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
39	141114	1	RING, Snap
40	141111	1	CIRCLIP
41	141120	1	SUPPORT
42	141126	1	SPACER
43	141125	1	CIRCLIP
K1	408688	1	KIT, Seal (Brake cylinder) (Not Shown)

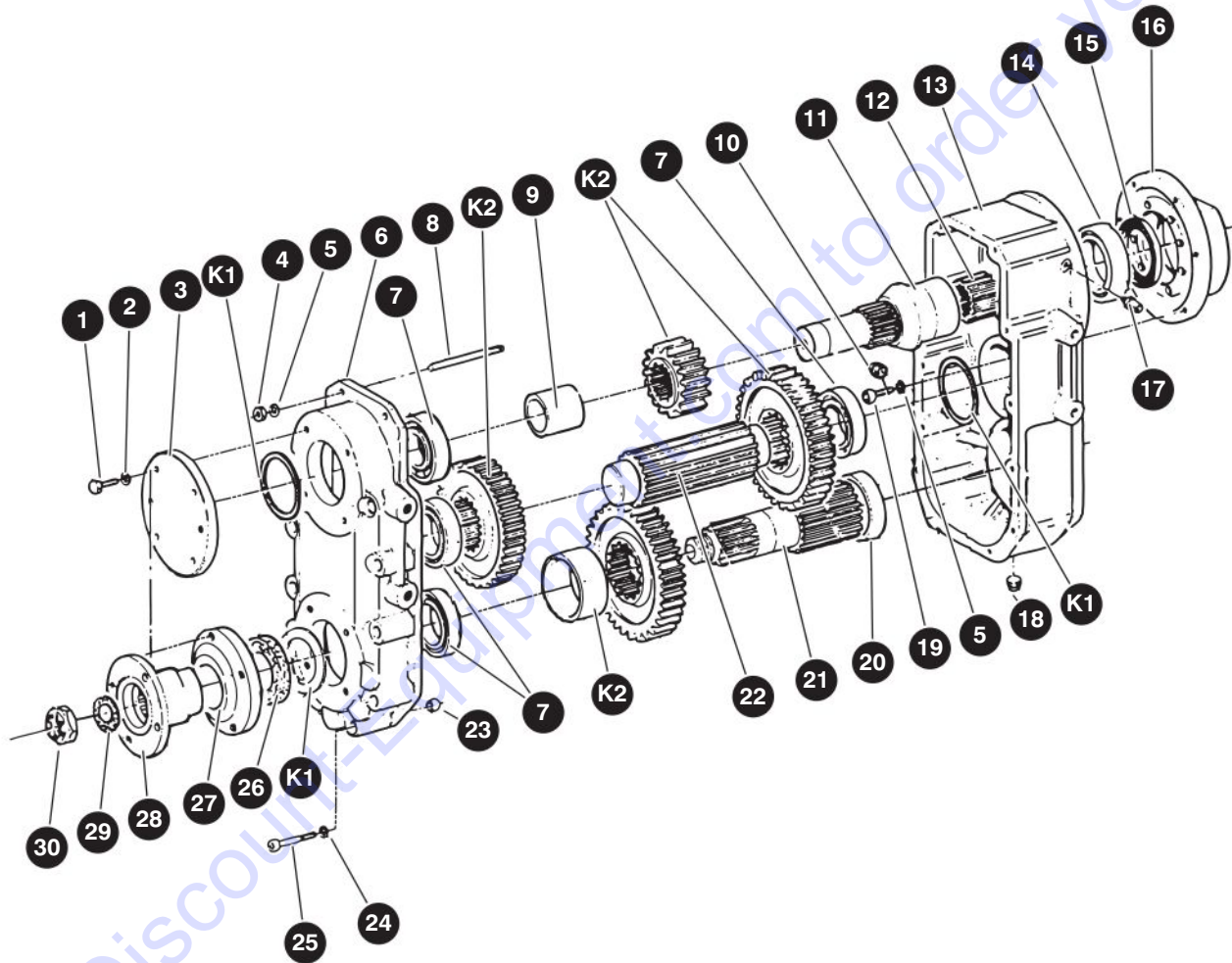
6.6 Central Housing - Rear Axle



6.6 Central Housing - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
-	154602	1	CENTRAL HOUSING - Rear Axle
1	140970	3	• O-RING
2	141054	1	• COVER, Intermediate
3	140966	1	• CIRCLIP
4	140967	1	• PLUG
5	141059	1	• VENT
6	140969	1	• PLUG
7	140968	1	• PLUG, Magnet
8	154570	1	• HOUSING

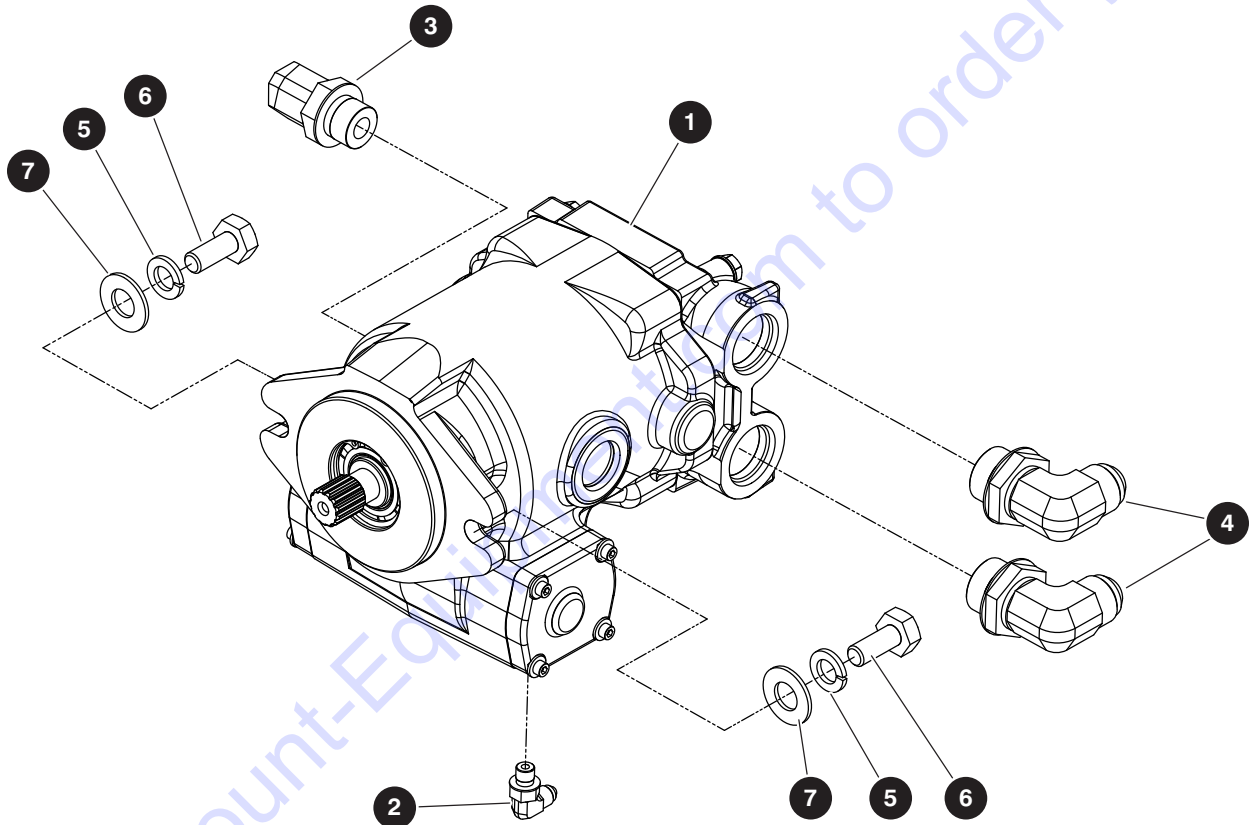
6.7 Gear Box - Rear Axle



6.7 Gear Box - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
-	154591	1	BOX, Gear
1	141072	4	• BOLT, Hex
2	141373	4	• WASHER, Spring
3	154592	1	• COVER
4	141363	2	• NUT
5	141364	4	• WASHER, Spring
6	154593	1	• HOUSING
7	141137	3	• BEARING, Ball
8	141367	2	• STUD
9	141378	1	• SPACER
10	141143	1	• PLUG
11	154594	2	• SHAFT, Input
12	154595	2	• BUSHING
13	154596	1	• COVER
14	141366	1	• BEARING, Ball
15	141370	1	• SEAL
16	141371	1	• COVER
17	141134	1	• VENT
18	141144	1	• PLUG, Magnet
19	141383	4	• BOLT
20	141375	1	• SPACER
21	141376	1	• SHAFT, Output
22	141377	1	• SHAFT
23	141379	2	• BUSHING, Reduction
24	141380	10	• WASHER, Spring
25	141381	10	• BOLT
26	141149	1	• SEAL
27	141374	1	• COVER
28	141151	1	• FLANGE
29	141152	1	• O-RING
30	141372	1	• NUT
K1	140994	2	KIT, Shim
K2	141385	1	KIT, Gear

6.8 Drive Motor



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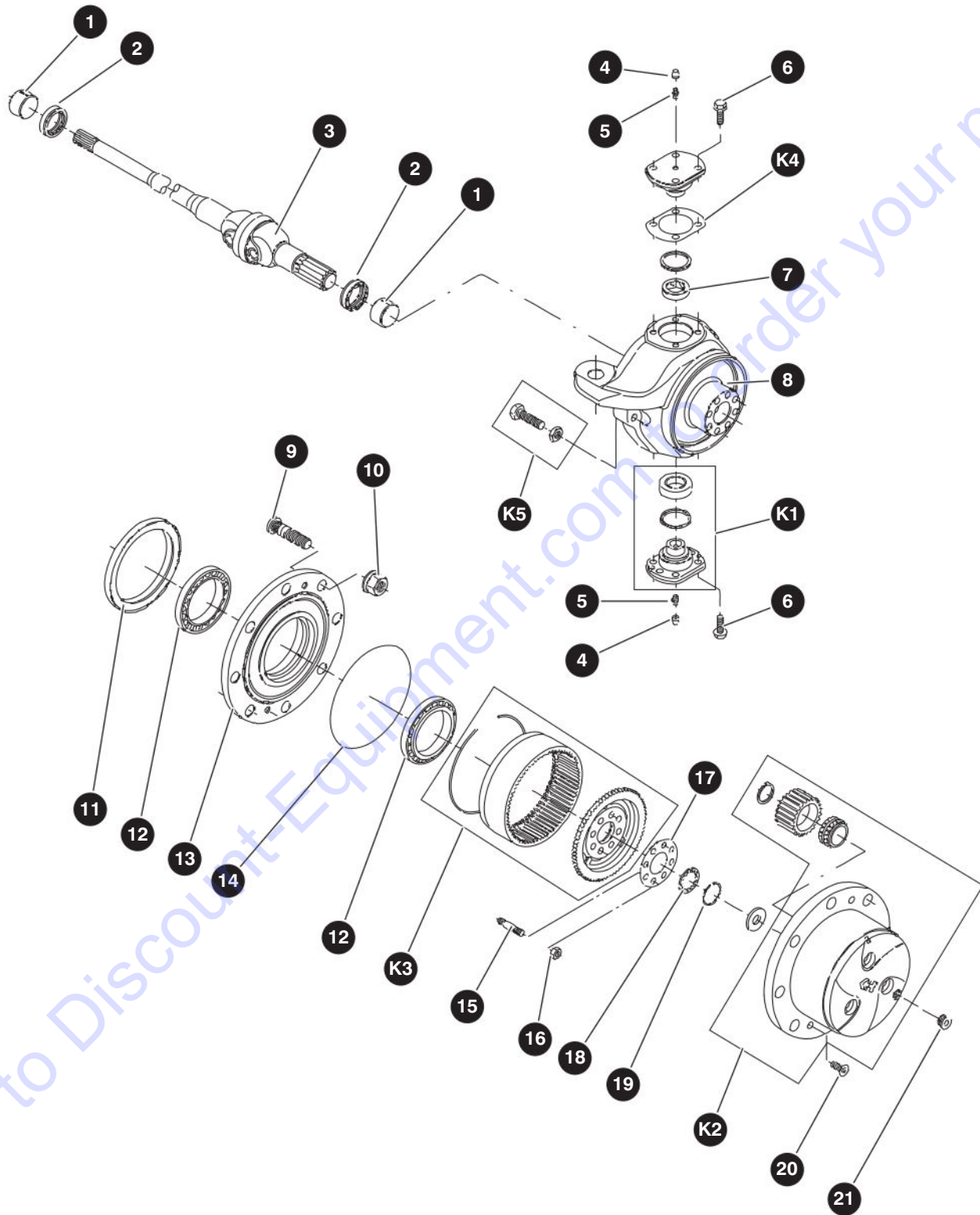
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6.8 Drive Motor

Index No.	Skyjack Part No.	Qty.	Description
-	161762	1	DRIVE MOTOR ASSEMBLY
1	161964	1	• MOTOR, Hydraulic drive
2	125883	1	• FITTING, Elbow, 90° (04 JICM - 04 ORBM)
3	112366	1	• FITTING, Elbow, 90° (08 JICM - 12 ORBM)
4	710124	2	• FITTING, Elbow, 90° (12 JICM - 16 ORBM)
5	138738	2	• WASHER, Lock (M14)
6	138734	2	• BOLT, Hex head (M14 x 2 x 30mm, ZP, Grade 8.8)
7	700782	2	• WASHER, Flat hardened (5/8")

6.9 Front Axle



M148701AA_HR

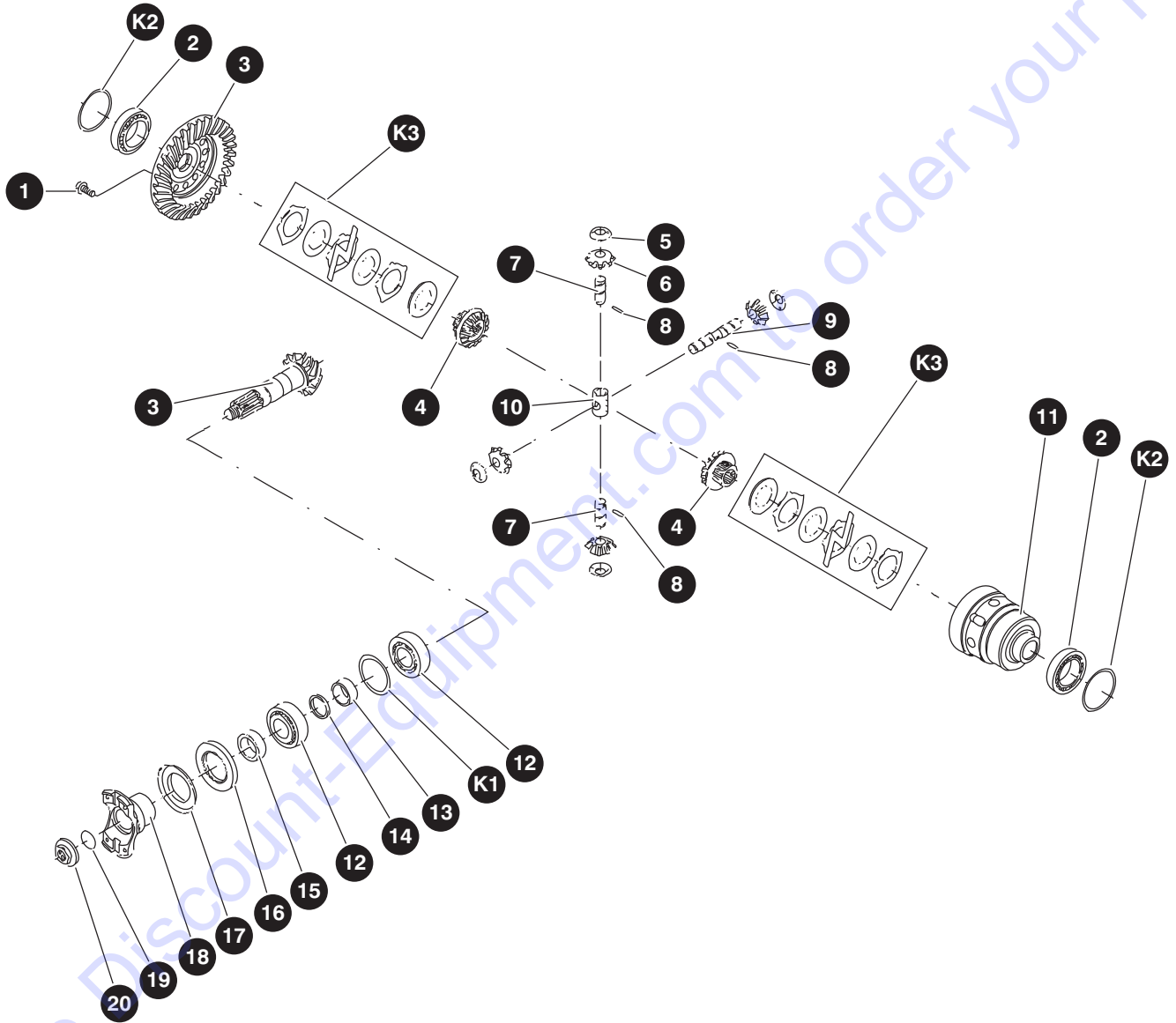
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6.9 Front Axle

Index No.	Skyjack Part No.	Qty.	Description
-	148701	1	FRONT AXLE ASSEMBLY
1	154624	2	• BUSHING, Thrust
2	154625	4	• SEAL
3	154626	2	• JOINT
4	141006	4	• PLUG
5	141014	4	• FITTING, Grease
6	140993	20	• BOLT
7	151765	2	• BUSHING
8	154630	1	• CASE, Steering (Left)
	154629	1	• CASE, Steering (Right)
9	154632	16	• STUD, Wheel
10	141168	16	• NUT
11	154631	2	• SEAL
12	154638	4	• BEARING
13	154639	2	• HUB, Wheel
14	140970	2	• O-RING
15	154637	16	• STUD
16	154636	16	• NUT
17	154634	2	• PLATE, Locking
18	154635	2	• SPACER
19	141036	2	• CIRCLIP
20	141033	4	• BOLT, Countersunk
21	140969	2	• PLUG
K1	154628	2	• KIT, Pivot pin
K2	141034	2	• KIT, Planet gear carrier
K3	154633	2	• KIT, Ring gear support
K4	154627	2	• KIT, Shim
K5	141017	4	• KIT, Steering adjust bolt

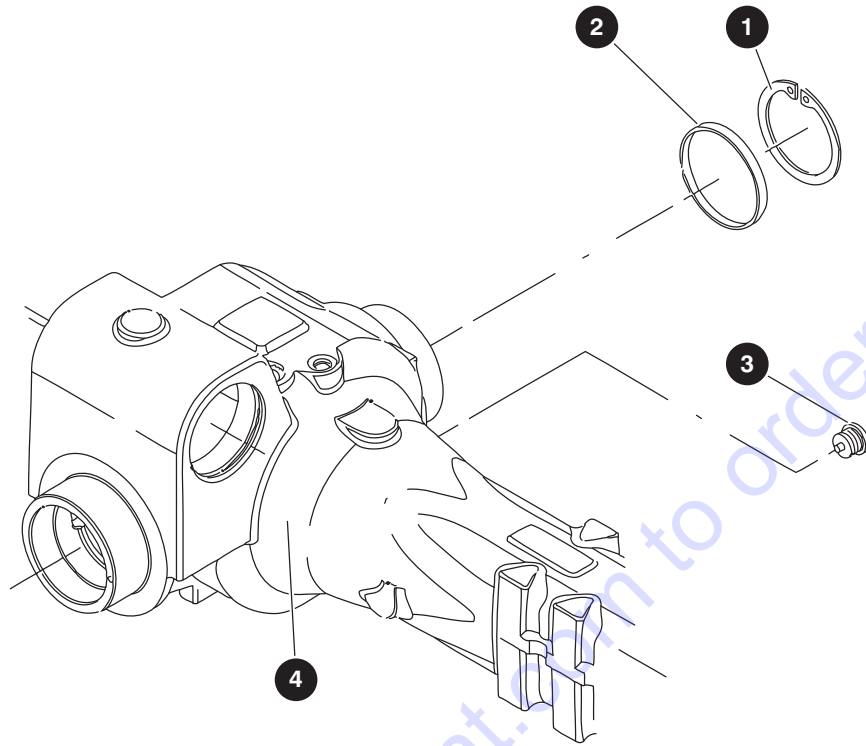
6.10 Differential - Front Axle



6.10 Differential - Front Axle

Index No.	Skyjack Part No.	Qty.	Description
1	154612	12	BOLT
2	154613	2	BEARING, Taper roller
3	154611	1	GEAR SET, Bevel
4	154617	2	DIFFERENTIAL SIDE GEAR
5	154619	4	WASHER, Friction
6	154618	4	DIFFERENTIAL PINION
7	154620	2	PIN
8	154621	3	DOWEL
9	154622	1	PIN
10	154623	1	SHAFT RETAINER
11	154614	1	DIFFERENTIAL CARRIER
12	154604	2	BEARING
13	154605	1	SPACER
14	154609	1	RING
15	154608	1	SPACER
16	140976	1	SEAL
17	154607	1	COVER PLATE
18	154603	1	FLANGE
19	154606	1	O-RING
20	141372	1	NUT
K1	154610	1	KIT, Shim
K2	154615	2	KIT, Shim
K3	154616	2	KIT, Clutch disc

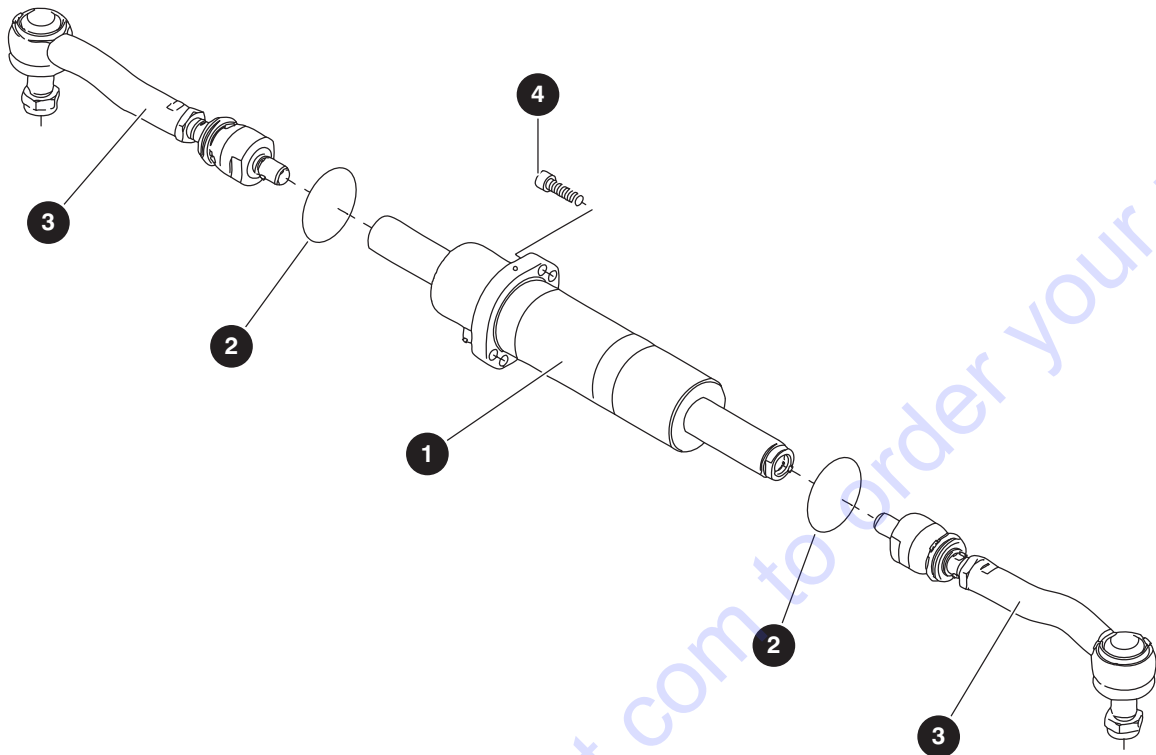
6.11 Central Housing - Front Axle



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Index No.	Skyjack Part No.	Qty.	Description
-	154599	1	CENTRAL HOUSING ASSEMBLY
1	140966	1	• CIRCLIP
2	140967	1	• PLUG
3	154600	1	• PLUG, Magnet
4	154601	1	CASE, Axle

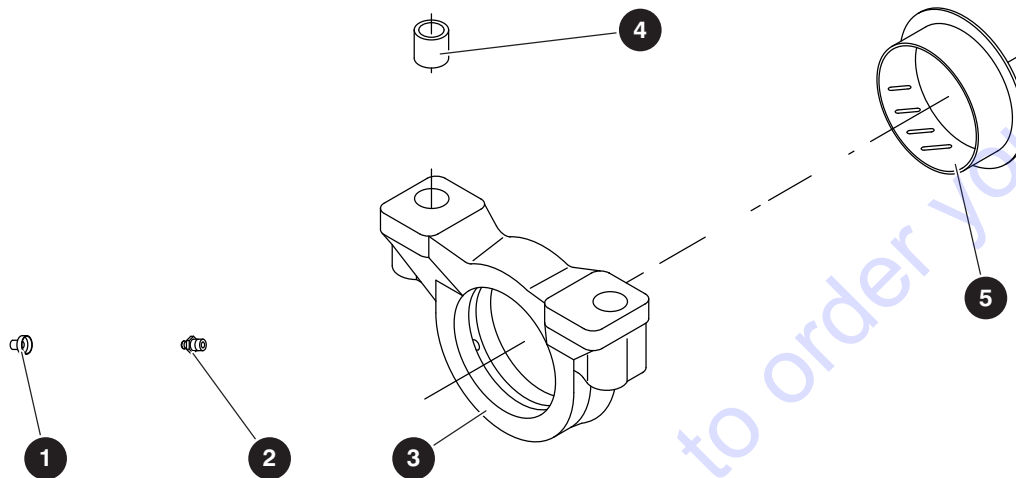
6.12 Steering Assembly



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Index No.	Skyjack Part No.	Qty.	Description
-	154640	1	STEERING ASSEMBLY
1	154641	1	• CYLINDER
2	154642	4	• RING
3	154643	2	• TIE ROD, Articulated
4	154644	4	• BOLT
K	168050	1	KIT, Seal (Steer Cylinder) (not shown)

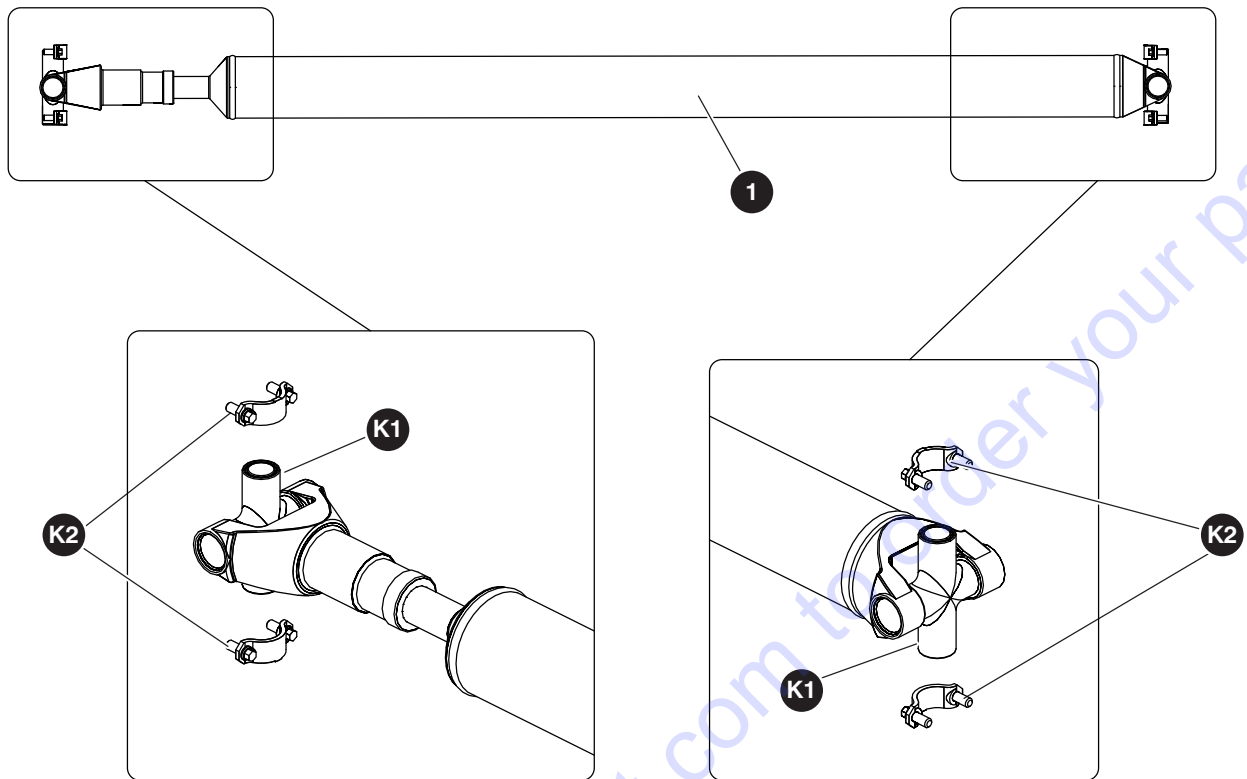
6.13 Trunnion - Front Axle



M148701AA_T

Index No.	Skyjack Part No.	Qty.	Description
-	154647	2	SUPPORT
1	141006	2	• PLUG
2	141014	2	• FITTING, Grease
3	154646	2	• SUPPORT
4	141048	4	• BUSHING, Reduction
5	154645	2	• BUSHING, Thrust

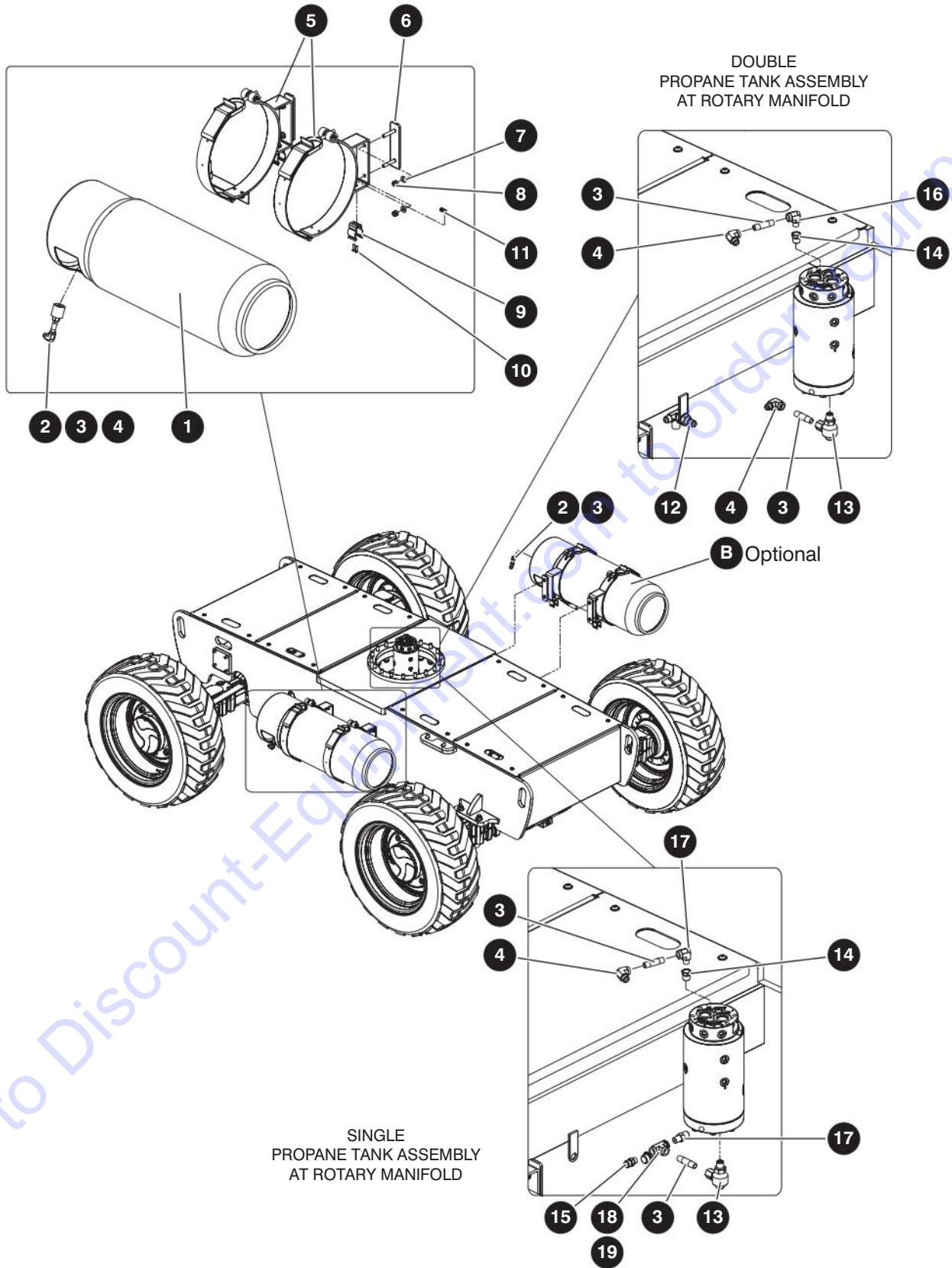
6.14 Drive Shaft



M146267AA

Index No.	Skyjack Part No.	Qty.	Description
1	148962	1	SHAFT, Drive
K1	216872	2	U-JOINT
K2	138731	2	STRAP KIT, U-joint

6.15 Propane Tank



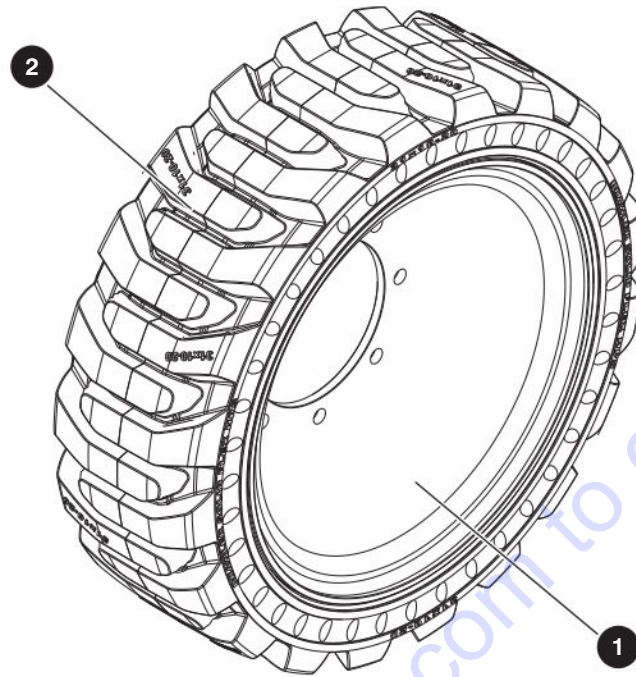
M148680AA

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6.15 Propane Tank

Index No.	Skyjack Part No.	Qty.	Description
A	211433	1	SINGLE PROPANE TANK - 44 lb (Standard)
B	211431	1	DOUBLE PROPANE TANK - 44 lb
1	702253	1	• BOTTLE, Propane (43.5#), A
	702253	2	• BOTTLE, Propane (43.5#), B
2	103006	1	• QUICK COUPLING, Female tank, A
	103006	2	• QUICK COUPLING, Female tank, B
3	143478	3	• NIPPLE, Brass (1/4 NPT x 2"), A
4	144334	2	• FITTING, Elbow 90° (06 SAE 45M - 04 NPTF), A
	144334	4	• FITTING, Elbow 90° (06 SAE 45M - 04 NPTF), B
5	144295	1	• MOUNTING, Propane bottle, A
	144295	2	• MOUNTING, Propane bottle, B
	221768	2	• • BRACKET, Propane tank
	221769	2	• • LATCH
	221770	1	• • PIN, Locating
	221771	2	• • SCREW, Sem
6	149029	2	• RETAINER, Propane mount, A
	149029	4	• RETAINER, Propane mount, B
7	125959	4	• WASHER, Flat hardened (3/8"), A
	125959	8	• WASHER, Flat hardened (3/8"), B
8	104606	4	• NUT, Hex lock (3/8"-16 Grade 5, nylon), A
	104606	8	• NUT, Hex lock (3/8"-16 Grade 5, nylon), B
9	137235	2	• CLIP, Gripper (1.5"-2.5 diameter), A
	137235	4	• CLIP, Gripper (1.5"-2.5 diameter), B
10	138834	4	• SCREW, Round head machine (#10-24 x 3/4"), A
	138834	8	• SCREW, Round head machine (#10-24 x 3/4"), B
11	126642	4	• NUT, Hex lock (#10-24 Grade 5, nylon), A
	126642	8	• NUT, Hex lock (#10-24 Grade 5, nylon), B
12	123062	1	• SHUTTLE TEE, B
13	702239	1	• FITTING, 90° live swivel (04 NPTF - 06 NPTM)
14	100385	1	• FITTING, Straight (06 MP - 04 FP)
15	103156	1	• FITTING, Straight (06 SAE 45M - 04 NPTM), A
16	103164	1	• FITTING, Straight (06 SAE 45M - 04 NPTF)
17	300799	1	• VALVE RELIEF, A
18	111622	1	• CAP, Rain (for H123 valve), A
19	132919	1	• FITTING, Tee (4 NPTF), A
20	(Ref.)	1	• HOSE ASSEMBLIES (not shown) (For components, refer to 8.7 Fuel Lines - Kubota WG2503)

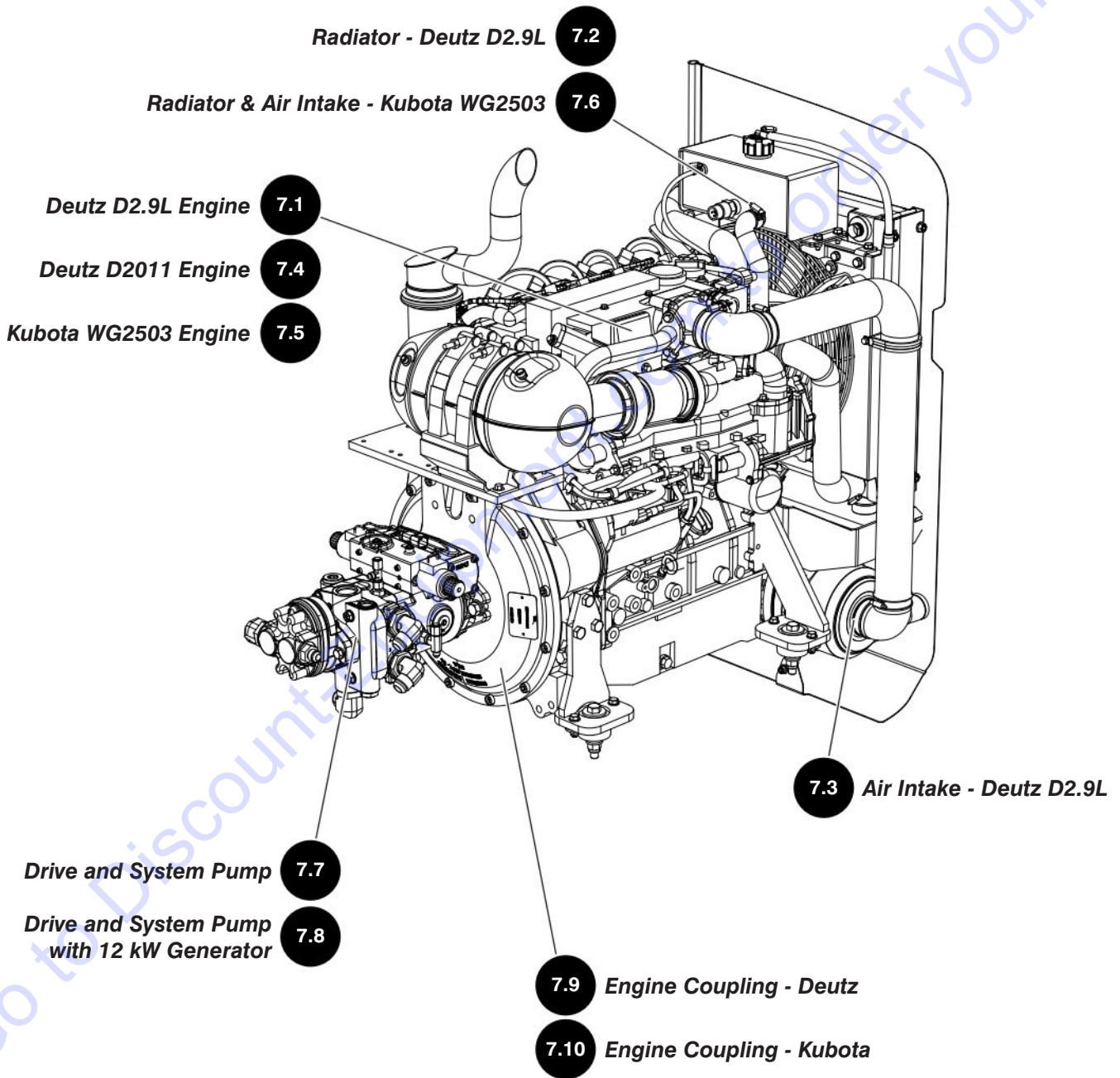
6.16 Tires



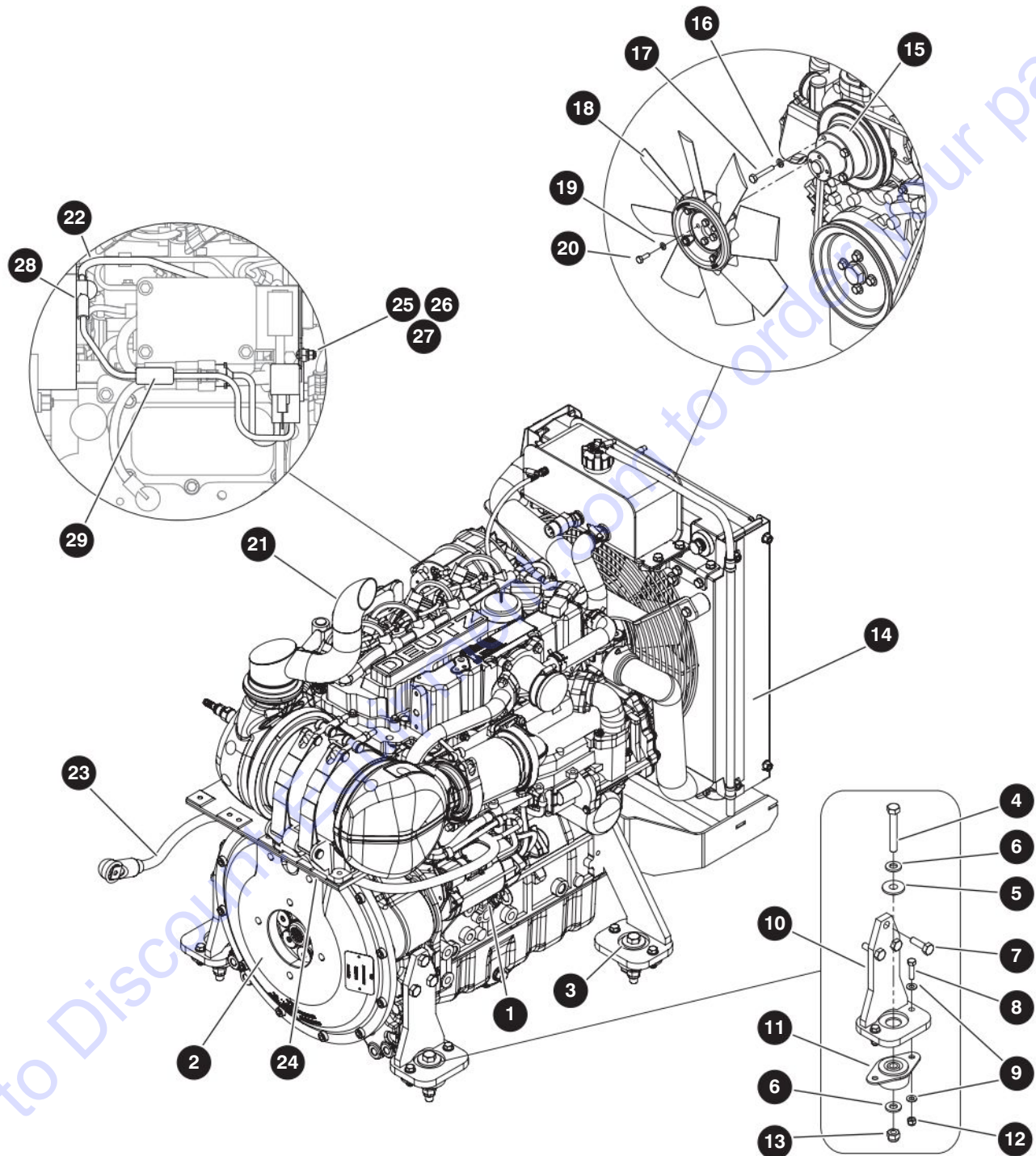
M222306AA

Index No.	Skyjack Part No.	Qty.	Description
A	222306	2	WHEEL ASSEMBLY, Left hand - Solid
	222307	2	WHEEL ASSEMBLY, Right hand - Solid
B	222078	2	WHEEL ASSEMBLY, Left hand - Solid, Non-marking
	222079	2	WHEEL ASSEMBLY, Right hand - Solid, Non-marking
1	215993	1	• RIM (7-1/2 " x 20", 2-1/2" offset)
2	215998	1	• TIRE, Brawler solid (31 x 10-20), A
	222080	1	• TIRE, Brawler solid (31 x 10-20), B

Section 7 – Engines



7.1 Deutz D2.9L Engine



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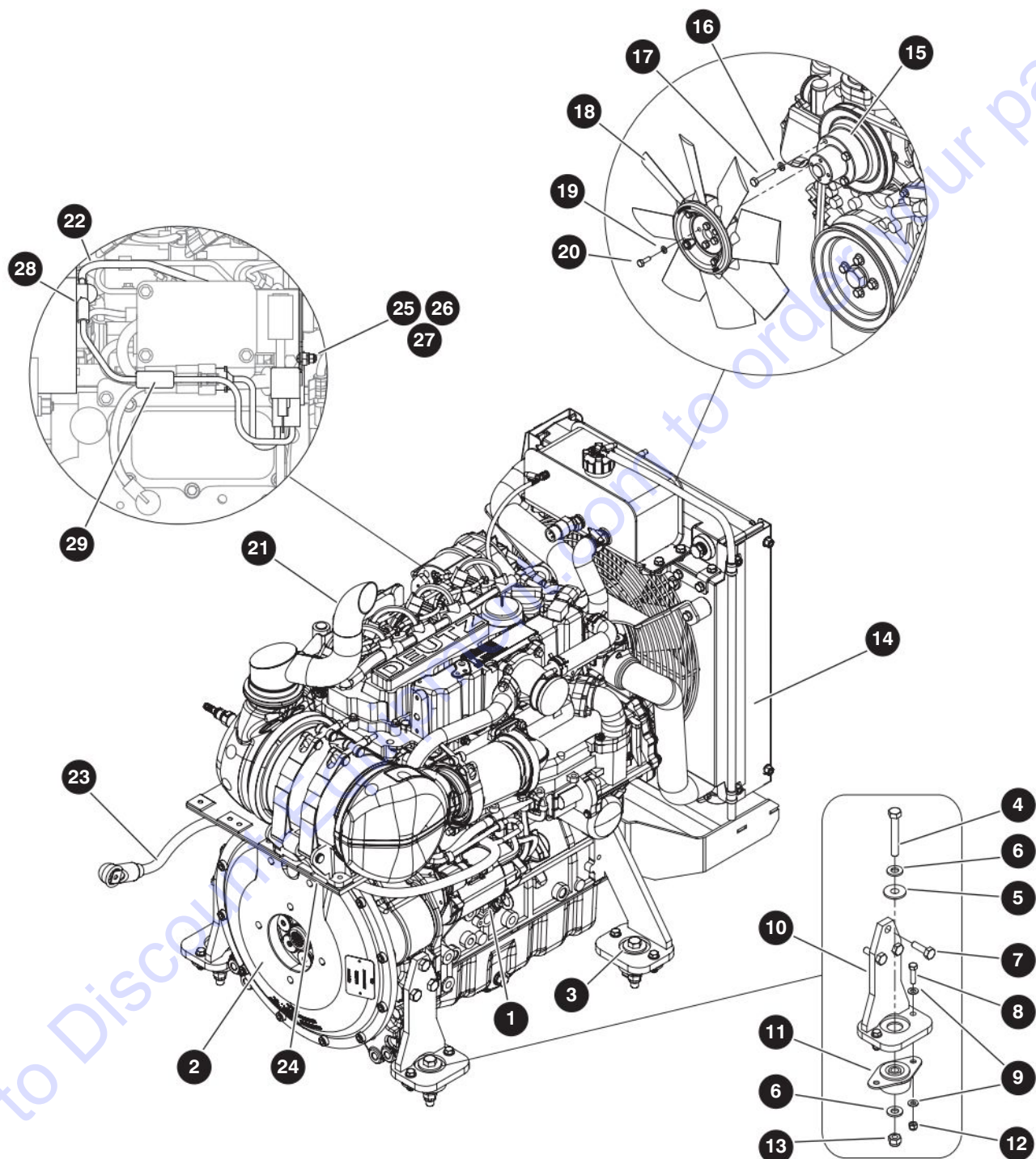
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7.1 Deutz D2.9L Engine

Index No.	Skyjack Part No.	Qty.	Description
-	167654	1	ENGINE ASSEMBLY - Deutz D2.9L
1	213095	1	• ENGINE, Diesel - Deutz
	166689	1	• • CAP, Oil filler
	166690	1	• • DIPSTICK
	166691	1	• • PLUG, Oil pan drain
	166692	1	• • STARTER, 3.2kW
	166693	1	• • ALTERNATOR
	166694	1	• • BELT, Alternator and water pump
	164770	1	• • PUMP, Fuel
	164771	1	• • FILTER, Fuel
	164772	1	• • PRE-FILTER, Fuel
	147072	1	• • FILTER, Oil
	166695	1	• • GASKET SET
	166696	1	• • PUMP, Coolant
	166698	1	• • PLUG, Glow
	166699	1	• • THERMOSTAT
	166700	1	• • SENSOR, Fuel pressure
	166701	1	• • SENSOR, Mag pick-up
	166702	1	• • SENSOR, Coolant temperature
	166703	1	• • SENSOR, Oil pressure
	166704	1	• • SENSOR, Intake air pressure
	164845	1	• • ECU
	170956	1	• • COMPENSATOR
	170957	1	• • CLIP, Compensator
	170958	1	• • NUT, Compensator
	170959	1	• • CLIP, Compensator
		1	• • DOC
		1	• • BRACKET, Mounting - DOC
	170961	1	• • GASKET, Compensator
2	(Ref.)	1	• ENGINE COUPLING ASSEMBLY (For components, refer to 7.9 Engine Coupling - Deutz)
3	163047	1	• MOUNT, Front LH
	163049	1	• MOUNT, Front RH
4	103469	4	• BOLT, Hex head (1/2"-13 x 3.25", Grade 5)
5	163200	4	• WASHER, Snubbing, engine mount
6	104379	4	• WASHER, Flat hardened (1/2")
7	149419	10	• BOLT, Hex head (M12 x 1.75" x 35mm, Grade 8.8)
8	112532	8	• BOLT, Hex head (5/16"-18 x 1.25", Grade 5)
9	103996	16	• WASHER, Flat (5/16")
10	163051	2	• MOUNT, Rear engine
11	163028	4	• MOUNT, Vibration - Deutz
12	103984	8	• NUT, Hex hylon lock (5/16"-18, Grade 5)
13	702507	4	• NUT, Hex head nylon lock (1/2"-13, Grade 5)
14	165038	1	• RADIATOR ASSEMBLY - D2.9L (For components, refer to 7.2 Radiator - Deutz D2.9L)

7.1 Deutz D2.9L Engine



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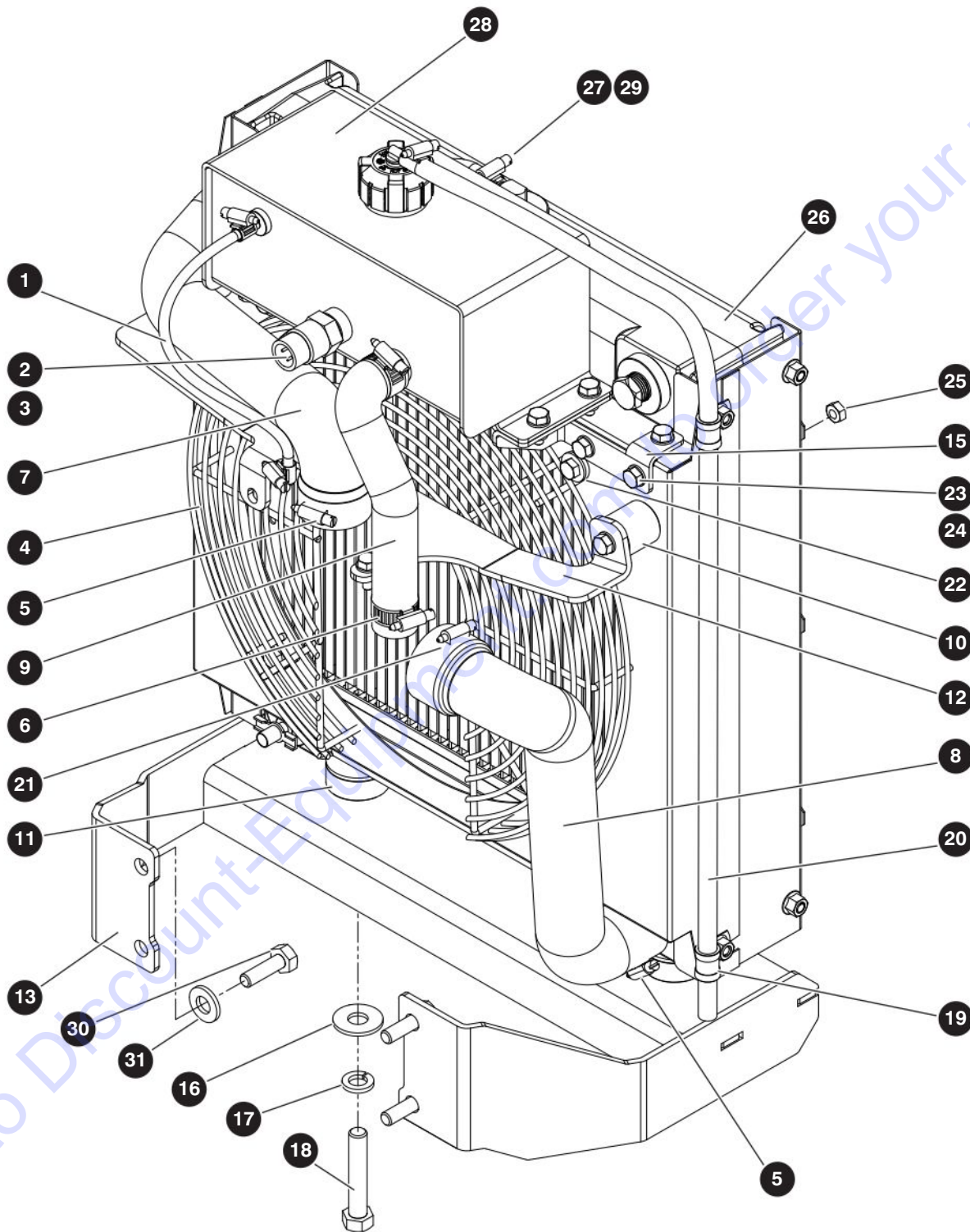
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7.1 Deutz D2.9L Engine

Index No.	Skyjack Part No.	Qty.	Description
-	165072	1	• FAN ASSEMBLY
15	163225	1	• • ADAPTER, Fan 14"
16	116218	4	• • WASHER, Lock (M8 plated)
17	139769	4	• • BOLT, Hex head (M8 x 1.25" x 45mm, Grade 8.8)
18	163224	1	• • FAN, 14" dia. - Deutz D2.9L
19	104000	4	• • WASHER, Lock (1/4")
20	103856	4	• • BOLT, Hex head (1/4"-20 x 0.75", Grade 5)
21	164925	1	• EXHAUST PIPE
22	165602	1	• CABLE, Alternator
23	165678	1	• CABLE ASSEMBLY (#2/0, 3/8" x 33" x 5/16" (03, 03))
24	144129	1	• CLIP, Single (S332G10)
-	165022	1	GLOW PLUG HARNESS ASSEMBLY
25	104698	1	• SCREW, Round head machine (#10-32 x 0.75")
26	104694	2	• WASHER, Flat (#10)
27	300450	1	• NUT, Hex head (#10-32, grade 5)
28	117696	1	• BOOT, Terminal, #4 AWG
29	(Ref.)	1	• HARNESS ASSEMBLY, Glow plug (For components, refer to 5.5 Glow Plug Harness - Deutz D2.9L)

7.2 Radiator - Deutz D2.9L



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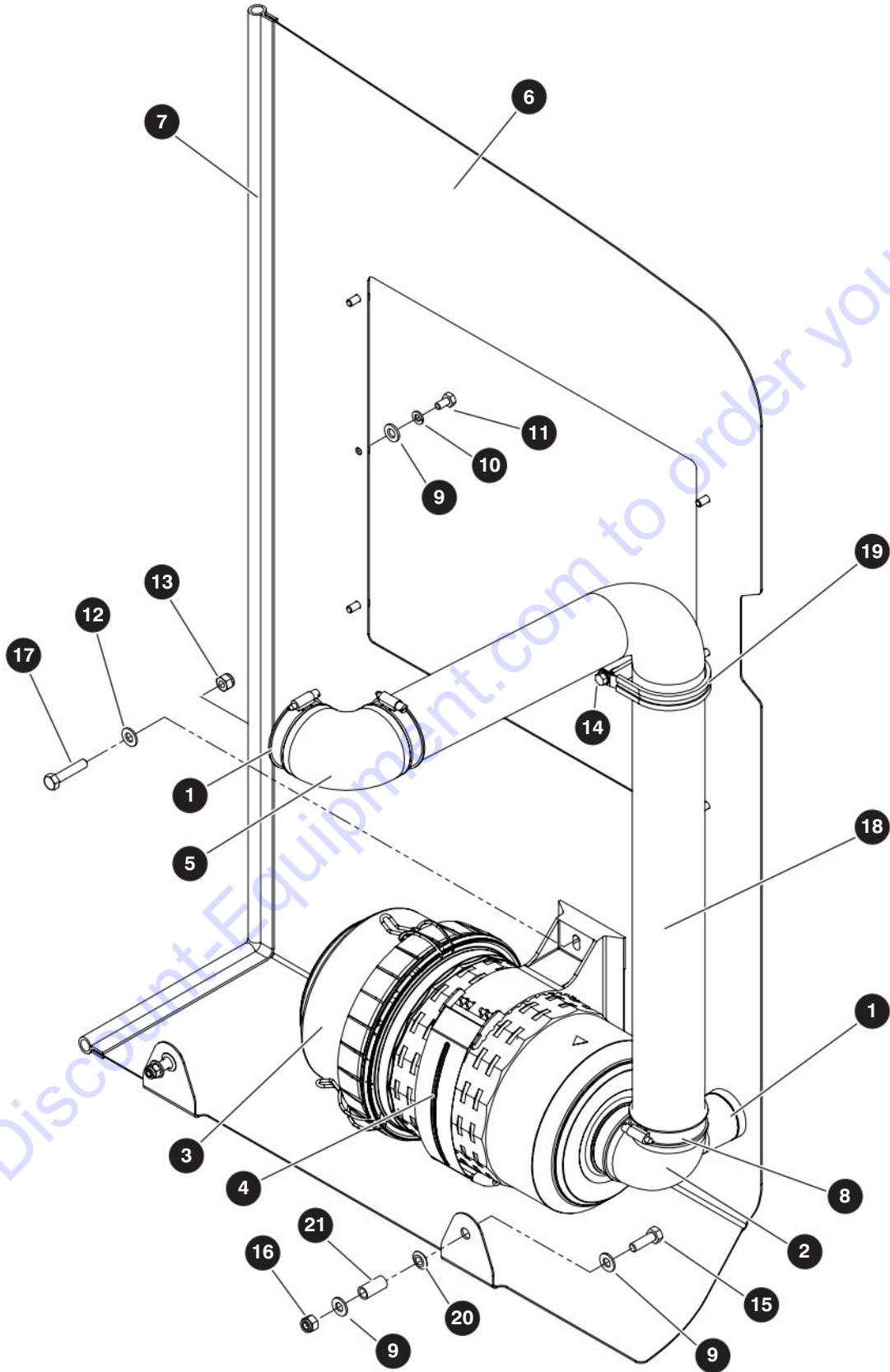
SJ46 AJ+

SKYJACK

7.2 Radiator - Deutz D2.9L

Index No.	Skyjack Part No.	Qty.	Description
-	165038	1	RADIATOR ASSEMBLY
1	160366	11"	• HOSE, Fuel Line (3/16")
2	165058	1	• SENSOR, Coolant level
3	166949	1	• WASHER, Sealing (M16)
4	163395	1	• GUARD, Fan
5	133222	1	• CLAMP, Gear (SAE No. 32, 1-9/16" - 2-1/2")
6	142415	2	• CLAMP, Gear (SAE No. 20, 3/4" - 1-3/4")
-	163228	1	• KIT, Radiator - Deutz D2.9L
7	170934	1	• • HOSE, Radiator - upper
8	170935	1	• • HOSE, Radiator - lower
9	170951	1	• • HOSE, Radiator - return
10	190430	2	• • ISOLATOR, 32 X 32, MB-1.25
11	190428	2	• • ISOLATOR, 46.4MM, 51.21MM, 1/2-13
12	224571	1	• • BRACKET, Upper radiator support
13	224572	1	• • BRACKET, Radiator mount
14	210223	1	• • BRACKET, Degas mount (not shown, opposite to item 15)
15	210224	1	• • BRACKET, Degas mount
16	137241	2	• WASHER, Fender (1/2" ID)
17	103470	2	• WASHER, Lock (1/2", Grade 5)
18	108818	2	• BOLT, Hex head (1/2"-13 x 2.75", Grade 5)
19	144129	2	• CLIP, Single (S332G10)
20	102984	34"	• LINE, Fuel (5/16" ID)
21	104528	3	• CLAMP, Gear (SAE No. 28, 1-5/16" - 2-1/4")
22	166164	4	• WASHER, Flat (5/16")
23	133174	17	• BOLT, Hex head (M8 x 1.25 x 20mm, Grade 5)
24	133232	13	• WASHER, Flat (M8)
25	149496	6	• NUT, Speed clip (1/4"-20 x 0.5L)
26	163226	1	• RADIATOR, Deutz D2.9L
	212384	1	• • SHROUD, Fan
27	103321	5	• CLAMP, Gear (SAE No. 4, 1/4" - 5/8")
28	163227	1	• RESERVOIR, Coolant, Degas TK - Deutz D2.9L
29	166737	3.75"	• LINE, Fuel (3/8" ID)
30	933666	3	BOLT, Hex head (M12 x 1.75" x 35mm, Grade 10.9)
31	104379	3	WASHER, Flat hardened (1/2")

7.3 Air Intake - Deutz D2.9L



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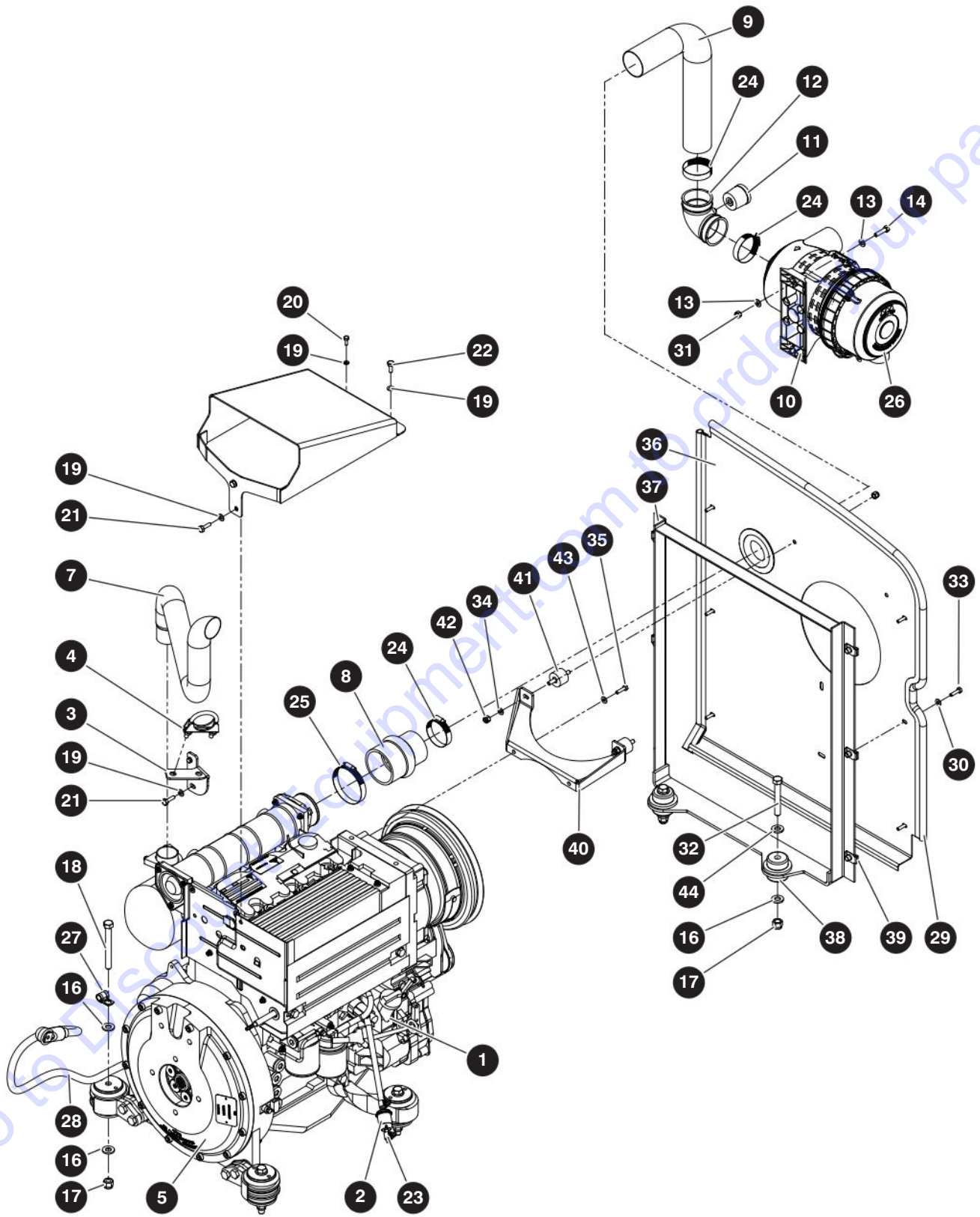
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7.3 Air Intake - Deutz D2.9L

Index No.	Skyjack Part No.	Qty.	Description
-	167655	1	AIR INTAKE ASSEMBLY - Deutz D2.9L
1	163250	1	• INDICATOR, Service
2	163247	1	• CONNECTOR, 90° Service indicator E200
3	163242	1	• CLEANER, Air E200
	165947	1	• • ELEMENT, Primary
	165948	1	• • ELEMENT, Secondary
4	163244	1	• BRACKET, Air cleaner E200
5	163246	1	• CONNECTOR, 90° E200
6	167657	1	• PLATE, Shroud
7	137625	69"	• TRIM, Rubber
8	121869	4	• CLAMP, Gear (2-5/8" - 3")
9	103995	6	• WASHER, Flat (1/4")
10	104000	6	• WASHER, Lock (1/4")
11	103856	6	• BOLT, Hex head (1/4"-20 x 0.75", Grade 5)
12	103996	8	• WASHER, Flat (5/16")
13	103984	4	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
14	103632	1	• BOLT, Hex head self tapping screw (1/4"-14 x 0.75")
15	103858	2	• BOLT, Hex head (1/4"-20 x 1.25", Grade 8)
16	115649	2	• NUT, Hex head nylon lock (1/4"-20, Grade 5)
17	103886	2	• BOLT, Hex head (5/16"-18 x 1.50, Grade 5)
18	164893	1	• TUBE, Air intake - Deutz D2.9L
19	123715	1	• CLAMP, Clip
20	100616	2	• GROMMET, Rubber (5/16" x 9/16" x 1/8")
21	128571	2	• SLEEVE, Anti-vibration mount

7.4 Deutz D2011 Engine



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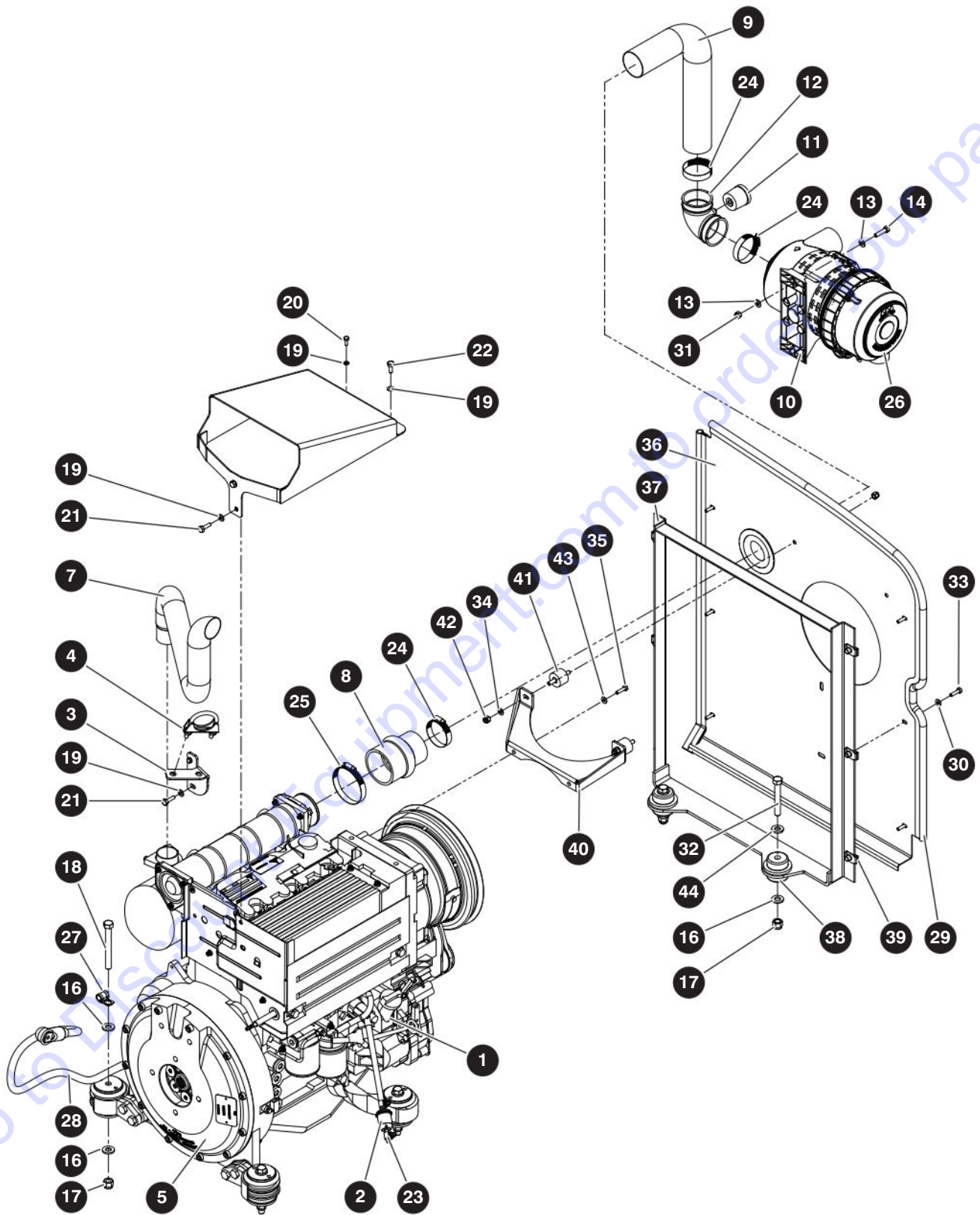
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7.4 Deutz D2011 Engine

Index No.	Skyjack Part No.	Qty.	Description
-	167239	1	ENGINE ASSEMBLY - Deutz D2011
1	167801	1	• ENGINE, Diesel (Deutz D2011 L03i)
	127181	1	• • PUMP, Fuel injection
	127182	1	• • CAP, Filler
	127183	1	• • FLYWHEEL
	127184	1	• • CONNECTOR, Plug-in
	127185	1	• • CONNECTOR, Plug-in
	127186	1	• • CABLE, Interconnect
	204249	1	• • STARTER
	127188	1	• • EXHAUST, Silencer
	127189	1	• • V-BELT, Narrow
	147071	1	• • FILTER, Fuel
	147072	1	• • FILTER, Oil
	157647	1	• • ACTUATOR, Engine shutdown
	157748	1	• • DIPSTICK
	233339	1	• • PAN, Oil
	233340	1	• • COOLER, Oil
2	139254	1	• FILTER, In-line fuel
3	152424	1	• SUPPORT, Exhaust stack
4	136030	1	• CLAMP, Exhaust (1.875" diameter)
5	(Ref.)	1	• ENGINE COUPLING ASSEMBLY (For components, refer to 7.9 Engine Coupling - Deutz)
6	167254	1	• DEFLECTOR, Air
7	167216	1	• STACK, Exhaust
8	149208	1	• REDUCER, Air intake
9	167498	1	• TUBE, Air intake
10	163244	1	• BRACKET, Air cleaner
11	163250	1	• INDICATOR, Service
12	163247	1	• CONNCTOR, 90°
13	103996	4	• WASHER, Flat (5/16")
14	103885	2	• BOLT, Hex head (5/16"-18 x 1.25" Grade 5)
15	103906	2	• BOLT, Hex head (1/2"-13 x 1.75" Grade 5)
16	104379	14	• WASHER, Flat hardened (1/2")
17	702507	8	• NUT, Hex head nylon lock (1/2"-13 Grade 5)
18	111420	4	• BOLT, Hex head (1/2"-13 x 4.50" Grade 5)
19	133232	7	• WASHER, Flat (M8 DIN125)
20	104608	2	• BOLT, Hex head (M6 x 1 x 16mm, Grade 9.8)
21	133869	3	• BOLT, Hex head (ZP, M8 x 1.25 x 25mm, Grade 8.8)
22	133174	1	• BOLT, Hex head (ZP, M8 x 1.25 x 20mm, Grade 8.8)
23	116342	3	• CLAMP, Gear (SAE No. 8, 7/16" - 1")
24	121869	3	• CLAMP, Gear (SAE No. 40, 2-1/6" - 3")
25	138666	1	• CLAMP, Gear (SAE No. 54, 3-1/6" - 4")
26	163242	1	• AIR CLEANER
	165947	1	• • FILTER ELEMENT, Primary
	165948	1	• • FILTER ELEMENT, Secondary

7.4 Deutz D2011 Engine



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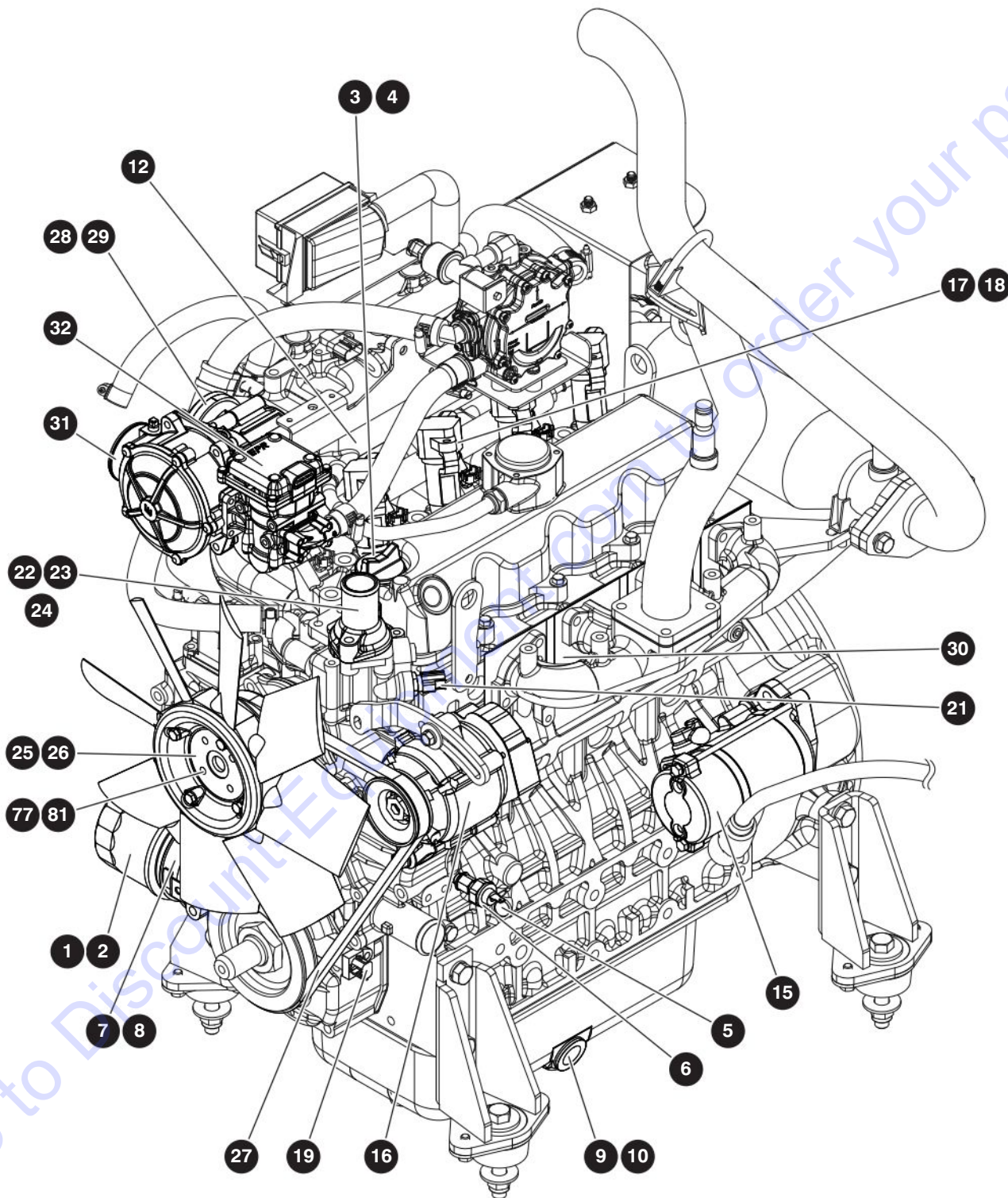
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7.4 Deutz D2011 Engine

Index No.	Skyjack Part No.	Qty.	Description
27	144129	1	• CLIP, Single (S332G10)
28	154244	1	• CABLE ASSEMBLY (#2/0 3/8" x 52.5" x 5/16" - 03, 03)
29	137625	100"	• SEAL, Bulb
30	103995	6	• WASHER, Flat (0.25" SAE)
31	103984	2	• NUT, Hex head nylon lock (0.313"-18 gr 5)
32	125525	2	• BOLT, Hex head (0.50"-13 x 3.50" gr 5)
33	103857	6	• BOLT, Hex head (0.25"-20 x 1.00" gr 5)
34	933832	2	• WASHER, Flat (M8 - OD16.0)
35	933655	2	• BOLT, Hex head (M8 - 1.25 x 25 CL8.8)
36	195700	1	• PLATE, Air dam
37	195701	1	• FRAME, Air dam
38	147634	2	• MOUNT, Vibration
39	149496	6	• NUT, Speed clip (0.25"-20 x 0.50 lg)
40	195702	1	• BRACKET, Upper - air dam
41	163961	2	• ISOLATOR, Rubber (M8 stud)
42	933696	4	• NUT, Hex head nylon lock (M8-1.25)
43	116218	2	• WASHER, Lock (M8 plated DIN 127B)
44	212939	2	• WASHER, Flat (0.50" style BB)

7.5 Kubota WG2503 Engine



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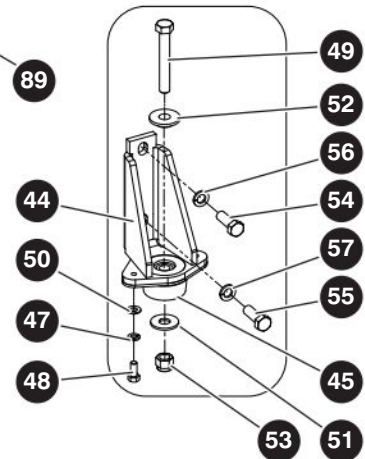
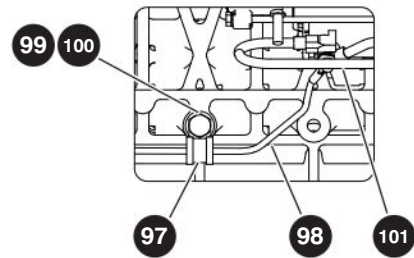
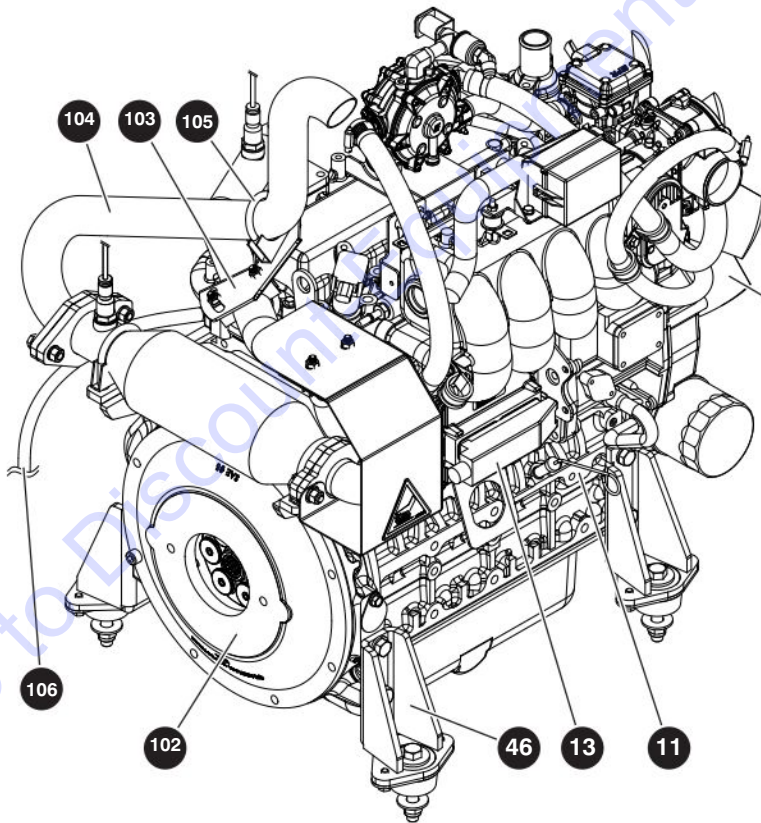
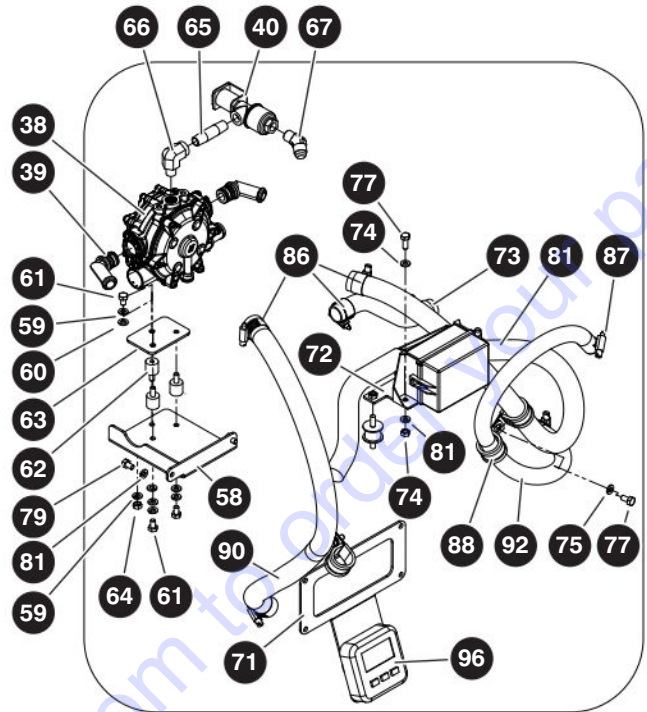
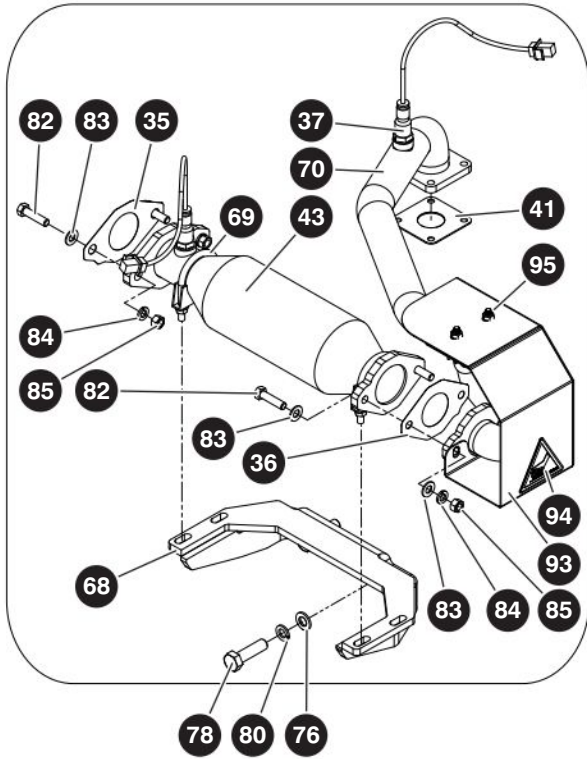
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SKYJACK

7.5 Kubota WG2503 Engine

Index No.	Skyjack Part No.	Qty.	Description
-	171223	1	ENGINE ASSEMBLY - Kubota WG2503
-	221959	1	• ENGINE, Dual fuel - Kubota
-	221958	1	• • ENGINE, Kubota WG2503
1	194642	1	• • • SCREEN, Oil pump pick-up
2	194643	1	• • • CARTRIDGE, Oil filter
3	164644	1	• • • CAP, Oil fill
4	194645	1	• • • O-RING, Oil FILL CAP
5	194646	1	• • • PLUG, Oil gauge
6	194647	1	• • • SWITCH, Oil
7	194648	1	• • • COOLER, Oil
8	194649	1	• • • SEAL, Oil cooler
9	194650	1	• • • PLUG, Oil pan
10	194651	1	• • • O-RING, Oil pan plug
11	194652	1	• • • DIPSTICK (shown on next page)
12	194653	4	• • • INJECTOR
13	194654	1	• • • ECU (shown on next page)
14	194655	1	• • • HARNESS, Wire (not shown)
15	194656	1	• • • STARTER
16	194657	1	• • • ALTERNATOR
17	194658	4	• • • PLUG, Spark
18	194659	4	• • • COIL, Ignition
19	194660	1	• • • SENSOR, Camshaft speed
20	194661	1	• • • SENSOR, Crankshaft speed (not shown)
21	194662	1	• • • SENSOR, Water temp
22	194663	1	• • • THERMOSTAT
23	194664	1	• • • GASKET, Thermostat
24	194697	1	• • • COVER, Thermostat
25	170411	1	• • • FAN
26	194665	1	• • • PULLEY, Fan
27	194666	1	• • • BELT, Fan
28	194667	1	• • • BODY, Throttle
29	194668	1	• • • GASKET, Throttle body
30	194669	1	• • • GASKET, Exhaust manifold
31	194698	1	• • • MIXER
32	194699	1	• • • REGULATOR

7.5 Kubota WG2503 Engine



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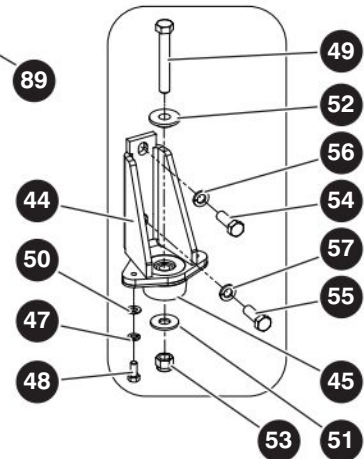
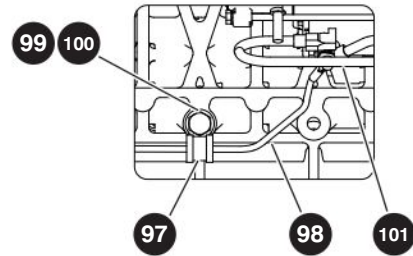
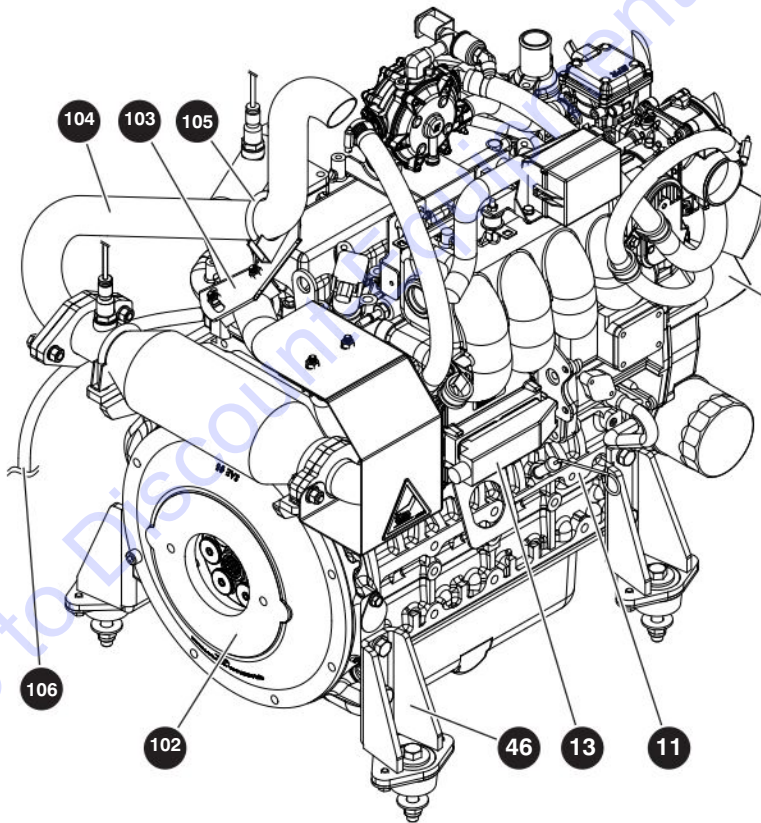
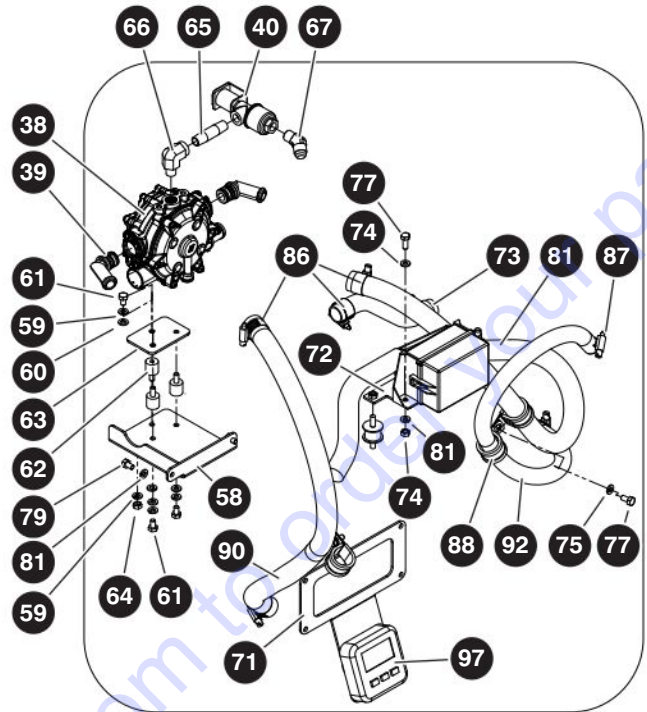
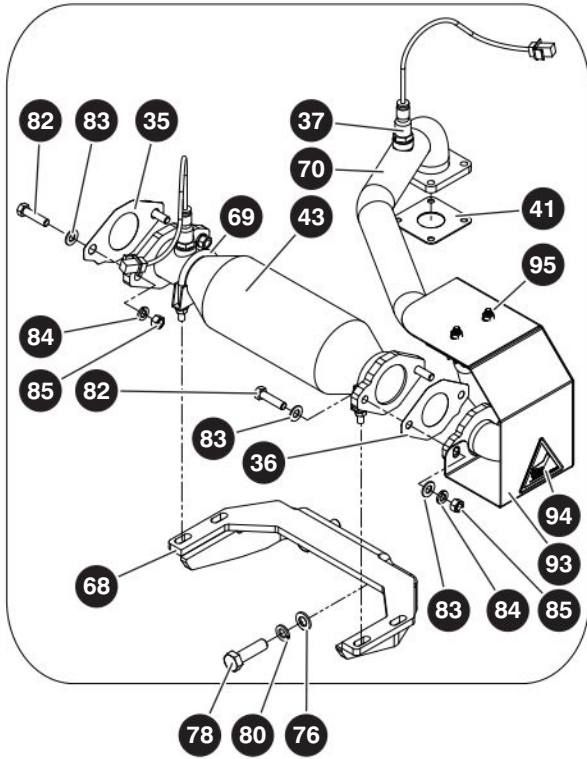
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7.5 Kubota WG2503 Engine

Index No.	Skyjack Part No.	Qty.	Description
-	171262	1	• • KIT, Engine - Kubota WG2503
33	164881	1	• • • PUMP, Fuel (not shown) (For components, refer to 8.7 Fuel Lines - Kubota WG2503)
34	164883	1	• • • MANIFOLD, Fuel pressure (not shown) (For components, refer to 8.7 Fuel Lines - Kubota WG2503)
35	164886	1	• • • GASKET, Cat 1
36	164885	1	• • • GASKET, Cat 2
37	164880	2	• • • SENSOR, O2
38	164887	1	• • • REGULATOR, LP
39	164888	2	• • • CONNECTOR, Vaporizer
40	164889	1	• • • VALVE, LP lock off
41	170416	1	• • • GASKET, Exhaust
42	136118	1	• • • FILTER, Fuel (not shown) (For components, refer to 8.7 Fuel Lines - Kubota WG2503)
43	164896	1	• • CONVERTER, Catalytic
-	168706	1	• ENGINE MOUNTS
44	169606	2	• • MOUNT, Engine - rear
45	132028	4	• • MOUNT, Vibration
46	169605	2	• • MOUNT, Engine - front
47	103404	8	• • WASHER, Lock (0.312")
48	103887	8	• • BOLT, Hex head (0.312"-18 x 0.75" gr 5)
49	125525	4	• • BOLT, Hex head (0.50"-13 x 3.50" gr 5)
50	103996	8	• • WASHER, Flat (0.312")
51	137241	4	• • WASHER, Flat (0.50" AA)
52	163200	4	• • WASHER, Snubbing
52	702507	4	• • NUT, Hex head nylon lock (0.50"-13)
54	166767	4	• • BOLT, Hex head (M12 x 1.25 x 32 gr 8.8)
55	166821	4	• • BOLT, Hex head (M14 x 1.50 x 35 gr 8.8)
56	116995	4	• • WASHER, Lock (M12)
57	137838	4	• • WASHER, Lock (M14)
-	170434	1	• ENGINE ACCESSORIES
-	221961	1	• • VAPORIZER, WG2503
58	221960	1	• • • BRACKET, Vaporizer
59	121758	4	• • • WASHER, Lock (M6)
60	933834	4	• • • WASHER, Flat (M6)
61	600723	3	• • • BOLT, Hex head (M6 x 1 x 10mm gr 8.8)
62	165927	3	• • • MOUNT, Vibration
63	170399	1	• • • PLATE, Vaporizer
64	800354	1	• • • NUT, Hex head (M6-1.00)
65	143478	1	• • • FITTING, Nipple - brass (0.25" NPT x 2.00")
66	103164	1	• • • FITTING, 90° elbow (04 NPTF - 04 NPTM)
67	103159	1	• • • FITTING, 45° elbow (06 SAE45M - 04 NPTM)
68	169599	1	• • BRACKET, Catalytic converter
69	148377	2	• • CLAMP, Exhaust pipe (2")
70	169568	1	• • PIPE, Exhaust
71	170436	1	• • BRACKET, Display
72	170435	1	• • PLATE, Fuse box
73	165930	9"	• • HOSE, Vapour (0.75")

7.5 Kubota WG2503 Engine



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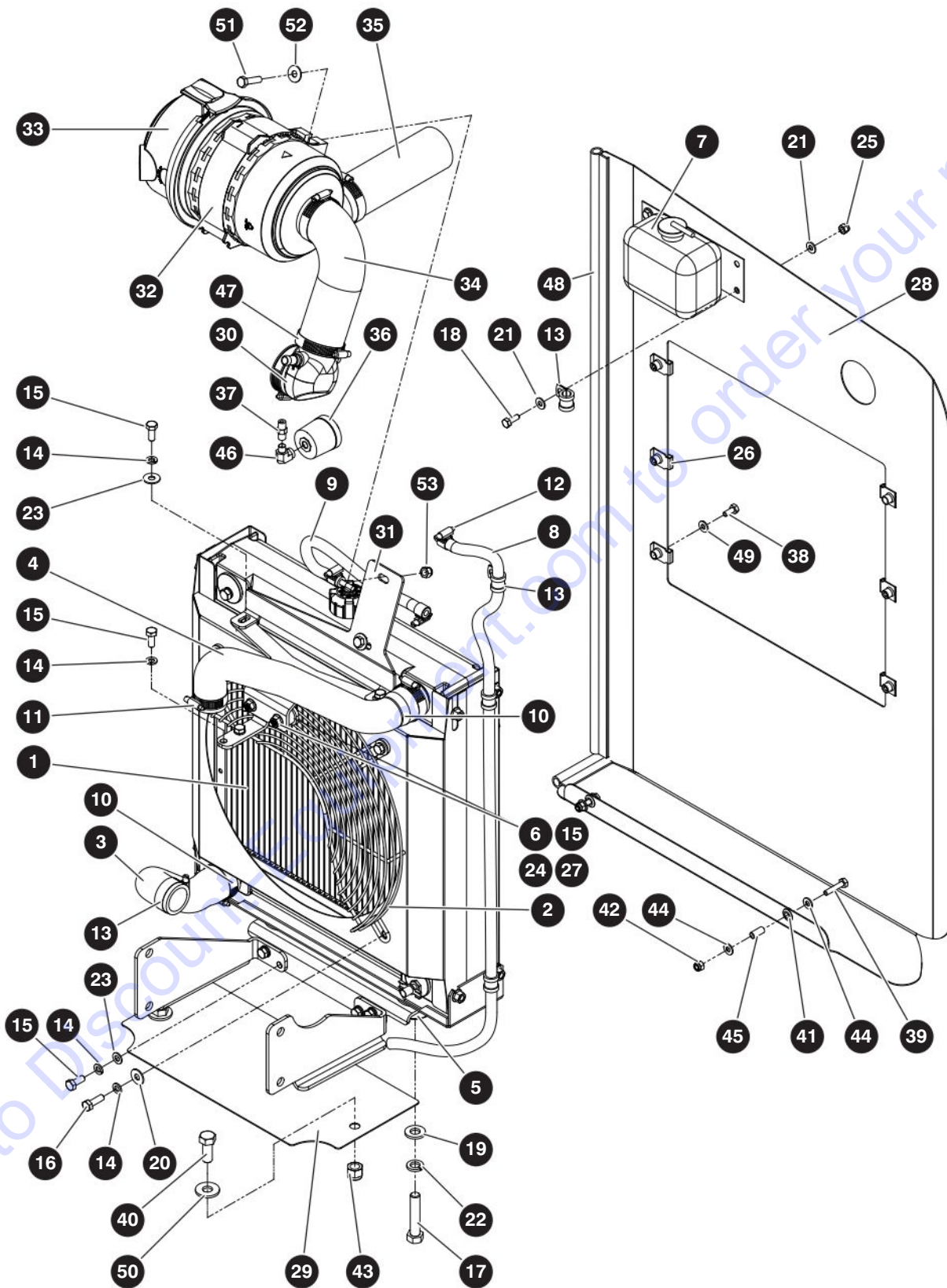
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7.5 Kubota WG2503 Engine

Index No.	Skyjack Part No.	Qty.	Description
74	800354	2	• • NUT, Hex head (M6-1.00)
75	933834	4	• • WASHER, Flat (M6)
76	600426	2	• • WASHER, Flat (M12)
77	104608	8	• • BOLT, Hex head (M6 x 1 x 16mm gr 9.8)
78	166767	2	• • BOLT, Hex head (M12 x 1.25 x 35mm gr 8.8)
79	600723	3	• • BOLT, Hex head (M6 x 1 x 10mm gr 8.8)
80	116995	2	• • WASHER, Lock (M12)
81	121758	9	• • WASHER, Lock (M6)
82	103870	4	• • BOLT, Hex head (0.375"-16 x 1.50" gr 5)
83	103472	8	• • WASHER, Flat (0.375")
84	103999	4	• • WASHER, Lock (0.375")
85	103978	4	• • WASHER, Nut (0.375"-16 gr 5)
86	103320	7	• • CLAMP, Hose (1.00")
87	102854	2	• • CLAMP, Hose (0.75")
88	168707	3	• • CLAMP, Loop (1")
89	170411	1	• • FAN, Kubota (13.5" dia)
90	925229	25"	• • HOSE (0.625")
91	925229	30"	• • HOSE (0.625")
92	163509	23"	• • HOSE (300 psi)
93	171120	1	• • SHIELD, Heat
94	169537	1	• • LABEL, Hot surface
95	102287	1	• • CLAMP, U-bolt (1.75" x 2.875")
96	166739	1	• • DISPLAY, Engine parameter
97	144129	2	• • CLAMP, Cushion
98	209197	1	• • HARNESS, Alternator
	209198	1	• • • CABLE, Alternator
	209199	1	• • • CABLE, Starter
	165030	1	• • • HOLDER, Fuse
	198387	1	• • • FUSE, Bolt-down (60 A)
99	123713	2	• • BOLT, Hex head (M12 x 1.25 x 16 mm gr 9.8)
100	933817	2	• • WASHER, Flat (M12)
101	134373	1	• • STUD, Extension - starter
102	(Ref.)	1	• BELL HOUSING (For components, refer to 7.10 Engine Coupling - Kubota)
103	171222	1	• BRACKET, Tail pipe
104	171094	1	• PIPE, Tail
105	102287	2	• CLAMP, U-bolt (1.75" x 2.875")
106	165678	1	• CABLE ASSEMBLY - Weld (#2/0 3/8" x 33" x 5/16" (03,03))
107	198346	1	• HARNESS, Power relay (not shown)

7.6 Radiator & Air Intake - Kubota WG2503



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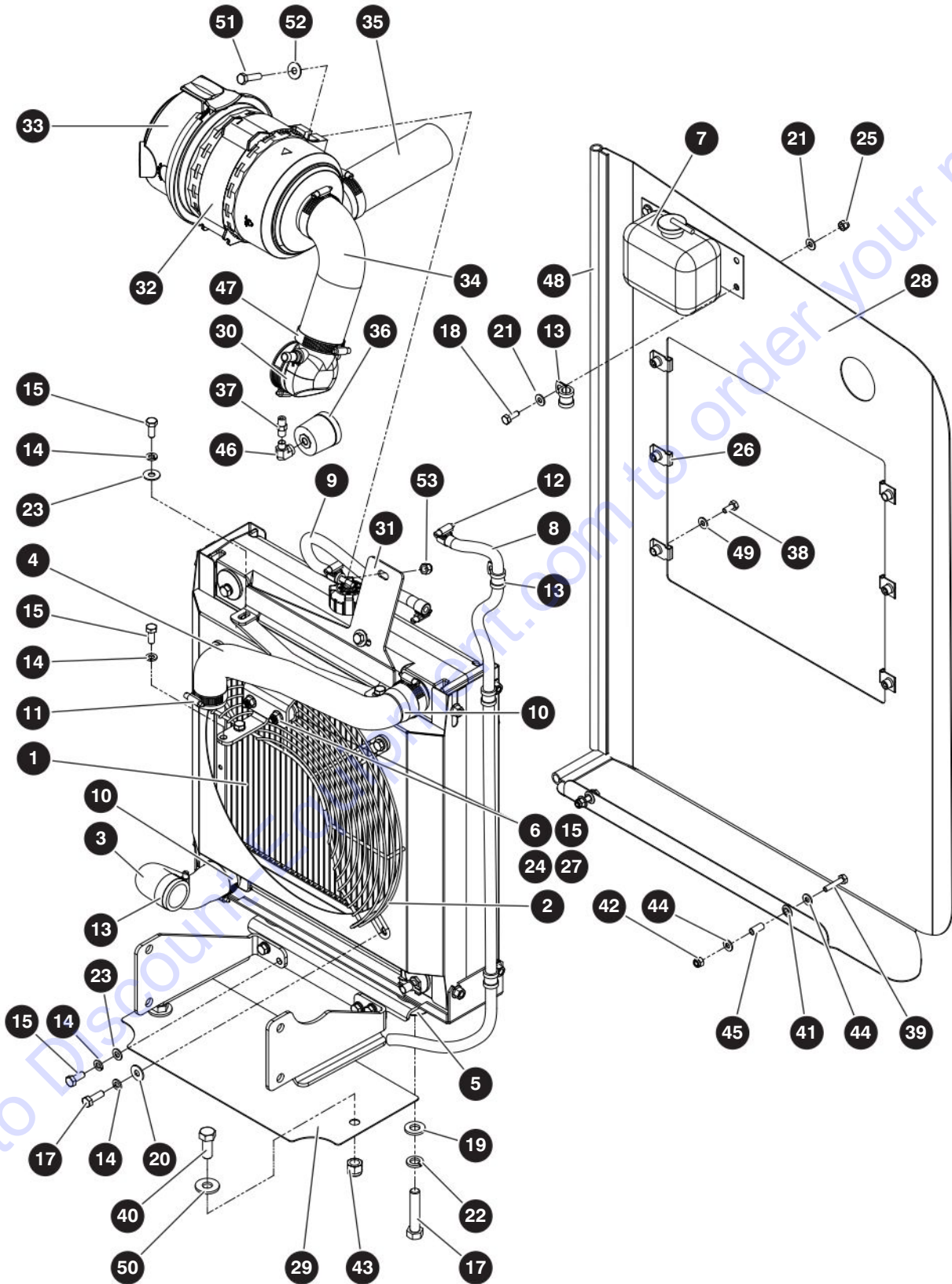
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SKYJACK

7.6 Radiator & Air Intake - Kubota WG2503

Index No.	Skyjack Part No.	Qty.	Description
-	168708	1	RADIATOR ASSEMBLY
1	168423	1	• RADIATOR, Kubota WG2503
2	169273	1	• GUARD, Fan
-	168424	1	• BRACKET KIT, Radiator
3	194635	1	• • HOSE, Lower
4	194636	1	• • HOSE, Upper
5	194637	2	• • ISOLATOR (46.4 mm x 51.21 mm, 0.50"-13))
6	194638	4	• • ISOLATOR (25 mm x 19 mm, M8-1.25)
7	147142	1	• RESERVOIR, Coolant
8	102984	35"	• LINE, Fuel (0.3125")
9	102984	12"	• LINE, Fuel (0.3125")
10	133222	2	• CLAMP, Hose (2.00")
11	104528	2	• CLAMP, Hose (1.75")
12	163521	3	• CLAMP, Hose (0.63")
13	149495	3	• CLAMP, Tube (0.50")
14	116218	11	• WASHER, Lock (M8)
15	133174	10	• BOLT, Hex head (M8-1.25 x 20 gr 8.8)
16	933655	3	• BOLT, Hex head (M8-1.25 x 25 gr 8.8)
17	103901	2	• BOLT, Hex head (0.50"-13 x 2.50" gr 5)
18	103856	1	• BOLT, Hex head (0.25"-20 x 0.75" gr 5)
19	104379	2	• WASHER, Flat (0.50" SAE hardened)
20	166164	5	• WASHER, Flat (0.312" USS)
21	103995	2	• WASHER, Flat (0.0.25")
22	103470	2	• WASHER, Lock (0.50" gr 5)
23	133232	4	• WASHER, Flat (M8)
24	933832	2	• WASHER, Flat (M8 - OD 16.0)
25	115649	1	• NUT, Hex head nylon lock (0.25"-20 gr 5)
26	149496	6	• NUT, Speed clip (0.25"-20 x 0.50")
27	933696	2	• NUT, Hex head nylon lock (M8-1.25)
-	170812	1	AIR INTAKE ASSEMBLY
28	170814	1	• BAFFLE, Kubota
29	170813	1	• TRAY, Baffle plate
30	168990	1	• TUBE, Side port
31	170815	1	• BRACKET, Breather
32	164757	1	• BAND, Mounting - air cleaner
33	164760	1	• CLEANER, Air - EP100
	195293	1	• • ELEMENT, Primary
	195294	1	• • ELEMENT, Secondary
34	170778	1	• HOSE, Intake - clean side
35	170777	1	• HOSE, Intake - dirty side
36	163250	1	• INDICATOR, Service
37	406292	1	• ADAPTER, Pipe nipple (451)
38	103892	6	• BOLT, Hex head (0.25"-20 x 0.625" gr 5)
39	103858	2	• BOLT, Hex head (0.25"-20 x 1.25" gr 5)

7.6 Radiator & Air Intake - Kubota WG2503



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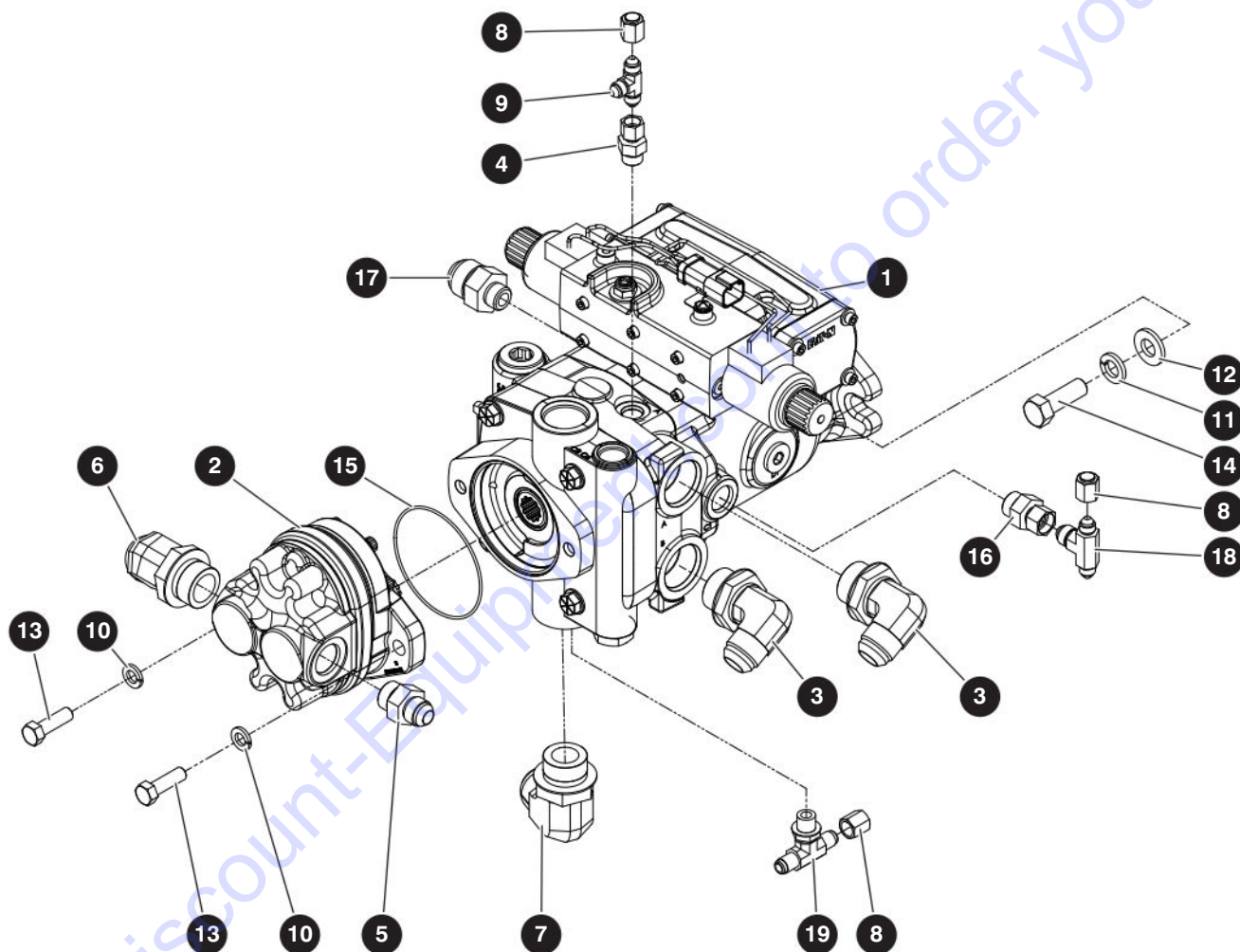
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SKYJACK

7.6 Radiator & Air Intake - Kubota WG2503

Index No.	Skyjack Part No.	Qty.	Description
40	103909	2	• BOLT, Hex head (0.50"-13 x 1.25" gr 5)
41	100616	2	• GROMMET, Rubber (0.3125" x 0.5625" x 0.125")
42	115649	2	• NUT, Hex head nylon lock (0.25"-20 gr 5)
43	702507	2	• NUT, Hex head nylon lock (0.50"-13 gr 5)
44	103995	4	• WASHER, Flat (0.25")
45	128571	2	• SLEEVE, Anti-vibration
46	139094	1	• FITTING, 90° elbow (0.125" NPTM - 0.125" NPTF)
47	121869	3	• CLAMP, Hose (2.50")
48	137625	42"	• TRIM, Rubber
49	103995	6	• WASHER, Flat (0.25")
50	104379	2	• WASHER, Flat (0.50" hard)
51	112532	2	• BOLT, Hex head (0.312"-18 x 1.25" gr 5)
52	166164	2	• WASHER, Flat (0.312" USS)
53	103984	2	• NUT, Hex head nylon lock (0.313"-18 gr 5)

7.7 Drive and System Pump



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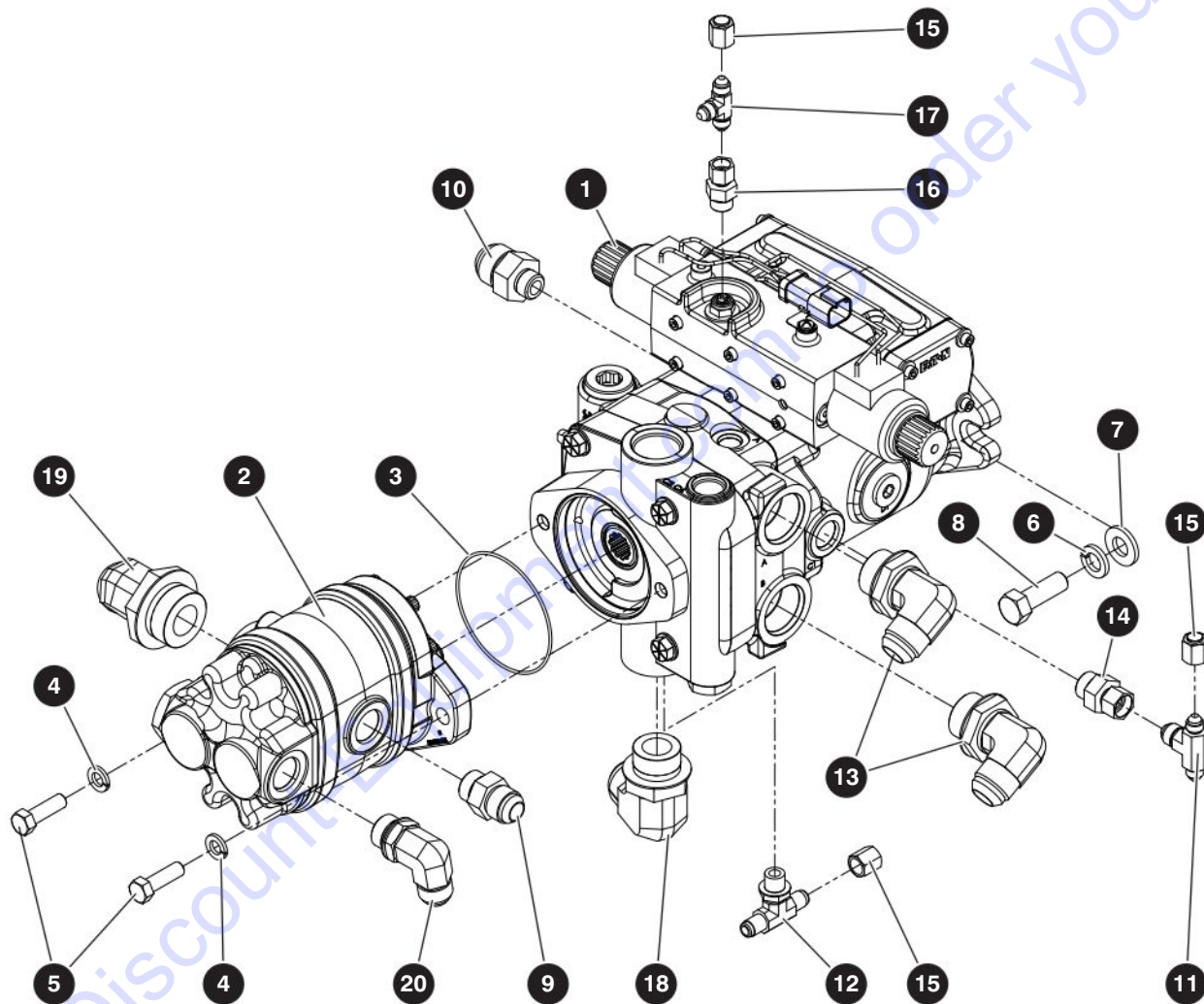
SJ46 AJ+

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7.7 Drive and System Pump

Index No.	Skyjack Part No.	Qty.	Description
-	161760	1	DRIVE AND SYSTEM PUMP ASSEMBLY <i>for units with no generator, or a 3.5 kW generator</i>
1	170599	1	• PUMP, Drive
2	161963	1	• PUMP, System
3	710124	2	• FITTING, Elbow 90° (12 JICM - 16 ORBM)
4	160885	1	• FITTING, Straight (06 ORBM - 04 JICFS)
5	137630	1	• FITTING, Straight (10 JICM - 10 ORBM)
6	149318	1	• FITTING, Elbow 45° (16 JICM - 16 ORBM)
7	707040	1	• FITTING, Elbow 90° (16 JICM - 16 ORBM)
8	131286	3	• CAP (04 JICF)
9	131697	1	• FITTING, Run tee (04 JICM)
10	103999	2	• WASHER, Lock (3/8")
11	103470	2	• WASHER, Lock (1/2", Grade 5)
12	104379	2	• WASHER, Flat (1/2")
13	101297	2	• BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
14	103907	2	• BOLT, Hex head (1/2"-13 x 1 1/2" Grade 5)
15	162387	1	• O-RING
16	162043	1	• FITTING, Straight (08 ORBM - 06 JICFS)
17	702118	1	• FITTING, Straight (12 JICM - 12 ORBM)
18	162044	1	• FITTING, Tee (04 JICM - 04 JICM - 06 JICM)
19	148490	1	• FITTING, Tee (06 SAEM - 04 JICM - 04 JICM)
K1	160637	1	SEAL KIT, Drive Pump

7.8 Drive and System Pump with 12 kW Generator



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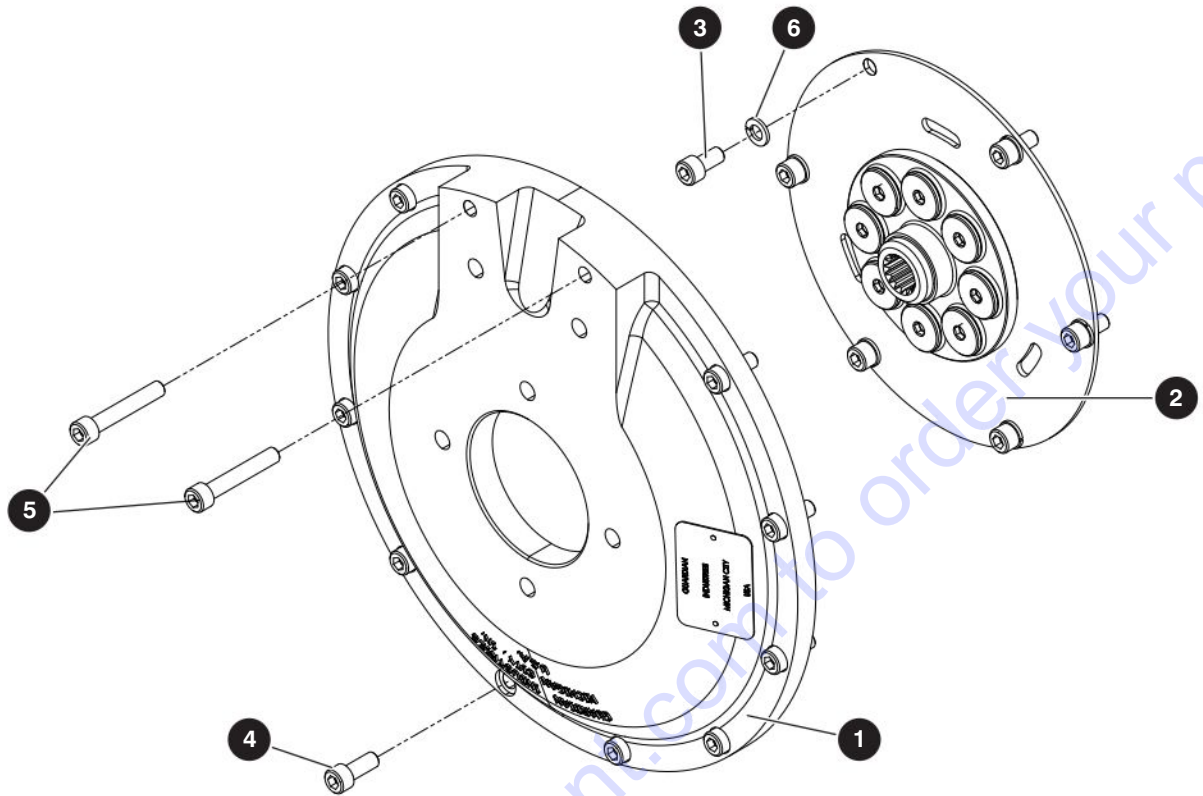
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SKYJACK

7.8 Drive and System Pump with 12 kW Generator

Index No.	Skyjack Part No.	Qty.	Description
-	165046	1	DRIVE AND SYSTEM PUMP ASSEMBLY - <i>for units with a 12 kW generator</i>
1	170599	1	• PUMP, Drive
2	162330	1	• PUMP, Tandem gear SJ46AJ
3	162387	1	• O-RING (3.25" ID x 1/16")
4	103999	2	• WASHER, Lock (3/8")
5	101297	2	• BOLT, Hex head (3/8"-16 x 1-1/4" Grade 5)
6	103470	2	• WASHER, Lock (1/2" Grade 5)
7	104379	2	• WASHER, Flat (1/2" Hardened)
8	103907	2	• BOLT, Hex head (1/2"-13 x 1-1/2" Grade 5)
9	137630	1	• FITTING, Straight (10 JICM - 10 ORBM)
10	702118	1	• FITTING, Straight (12 JICM - 12 ORBM), A
	144279	1	• FITTING, Straight (08 ORBM - 12 JICM), B
11	162044	1	• FITTING, Tee (04 JICM - 04 JICM - 06 JICM)
12	148490	1	• FITTING, Branch Tee (06 SAEM - 04 JICM - 04 JICM)
13	710124	2	• FITTING, 90° (12 JICM - 16 ORBM)
14	162043	1	• FITTING, Straight (08 ORBM - 06 JICFS)
15	131286	3	• FITTING, Cap (04 JICF)
16	160885	1	• FITTING, Straight (06 ORBM - 04 JICFS)
17	131697	1	• FITTING, Tee (04 JICM - 04 JICM - 04 JICM)
18	707040	1	• FITTING, 90° (16 JICM - 16 ORBM)
19	165074	1	• FITTING, 45° (16 JICM - 20 ORBM)
20	135091	1	• FITTING, 90° (10 JICM - 10 ORBM)
K1	160637	1	SEAL KIT, Drive Pump

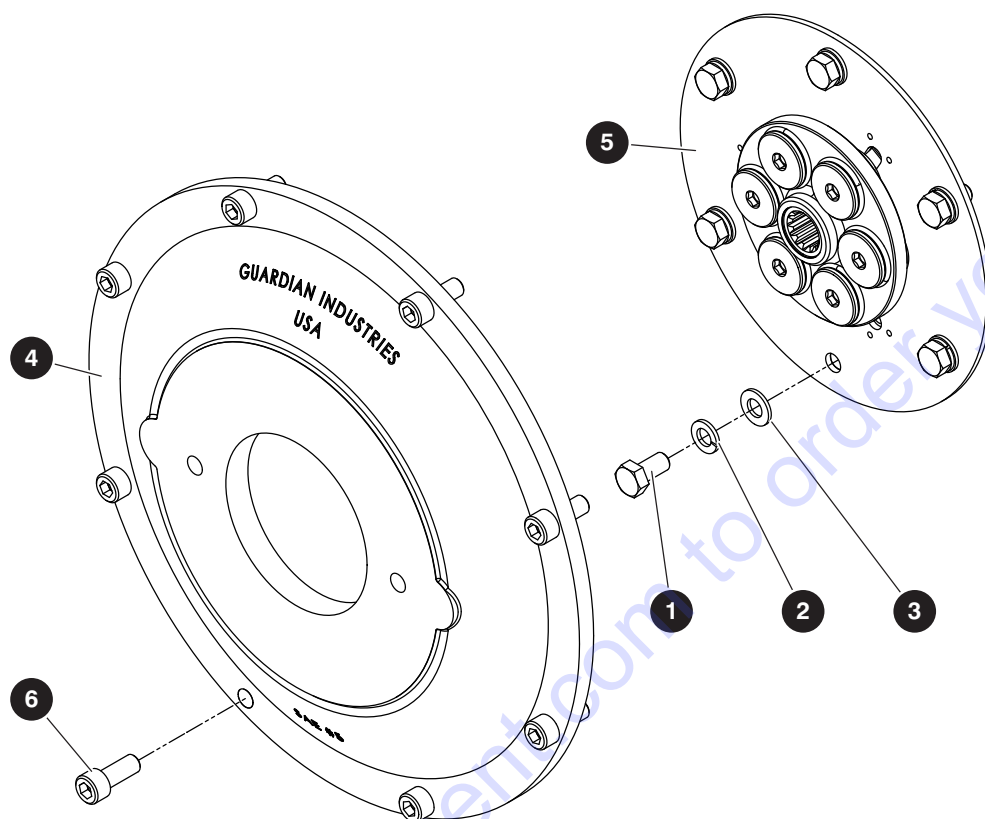
7.9 Engine Coupling - Deutz



M168043AA

Index No.	Skyjack Part No.	Qty.	Description
-	168043	1	ENGINE COUPLING ASSEMBLY - Deutz
1	152332	1	• HOUSING
2	168034	1	• COUPLING, Flywheel
3	168042	6	• BOLT, Socket head cap screw (M10 x 1.50 x 20mm, Grade 8.8)
4	168053	10	• BOLT, Socket head cap screw (M10 x 1.50 x 25mm, Grade 8.8)
5	152335	2	• BOLT, Socket head cap screw (M10 x 1.50 x 60mm, Grade 8.8)
6	132497	6	• WASHER, Lock (M10)

7.10 Engine Coupling - Kubota



M170745AA

Index No.	Skyjack Part No.	Qty.	Description
-	170745	1	BELL HOUSING ASSEMBLY - Kubota WG2503
1	103848	6	• BOLT, Hex head (M10 x 1.25 x 20mm, Grade 8.8)
2	132497	6	• WASHER, Lock (M10)
3	600315	6	• WASHER, Flat (M10)
-	168628	1	• HOUSING ASSEMBLY
4	194719	1	• • HOUSING, Bell
5	194720	1	• • COUPLING, Spline
6	168053	8	• BOLT, Socket head cap screw (M10 x 1.50 x 25mm, Grade 8.8)

Section 8 – Hose Connections

8.1 *Standard Hose Numbering System*

8.2 *Hydraulic Hoses - Boom*

8.3 *Hydraulic Hoses - Turret*

8.4 *Hydraulic Hoses - Base*

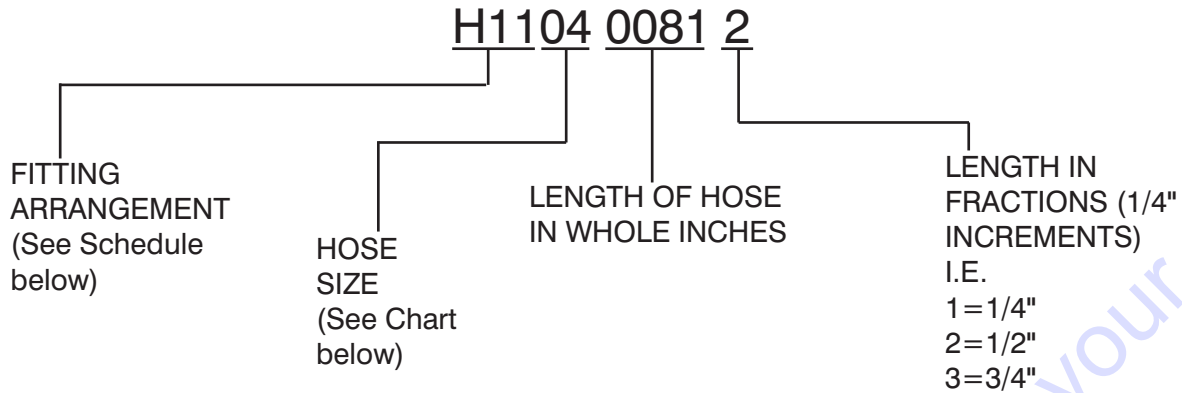
8.5 *Fuel Lines - Deutz D2.9L*

8.6 *Fuel Lines - Deutz D2011*

8.7 *Fuel Lines - Kubota WG2503*

8.8 *Propane Lines - Kubota WG2503*

8.1 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"

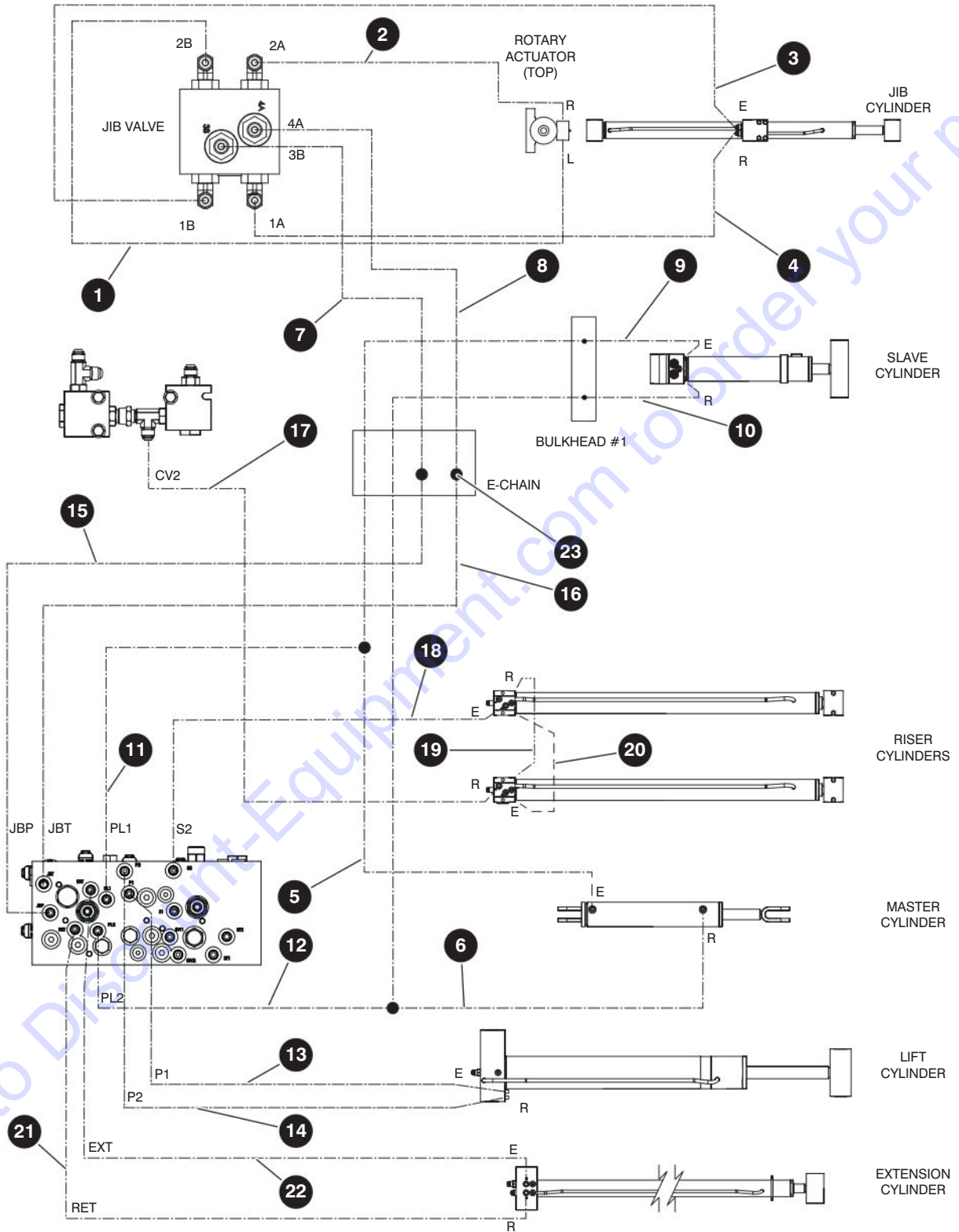
Fitting Arrangement Schedule

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

8.1 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

8.2 Hydraulic Hoses - Boom



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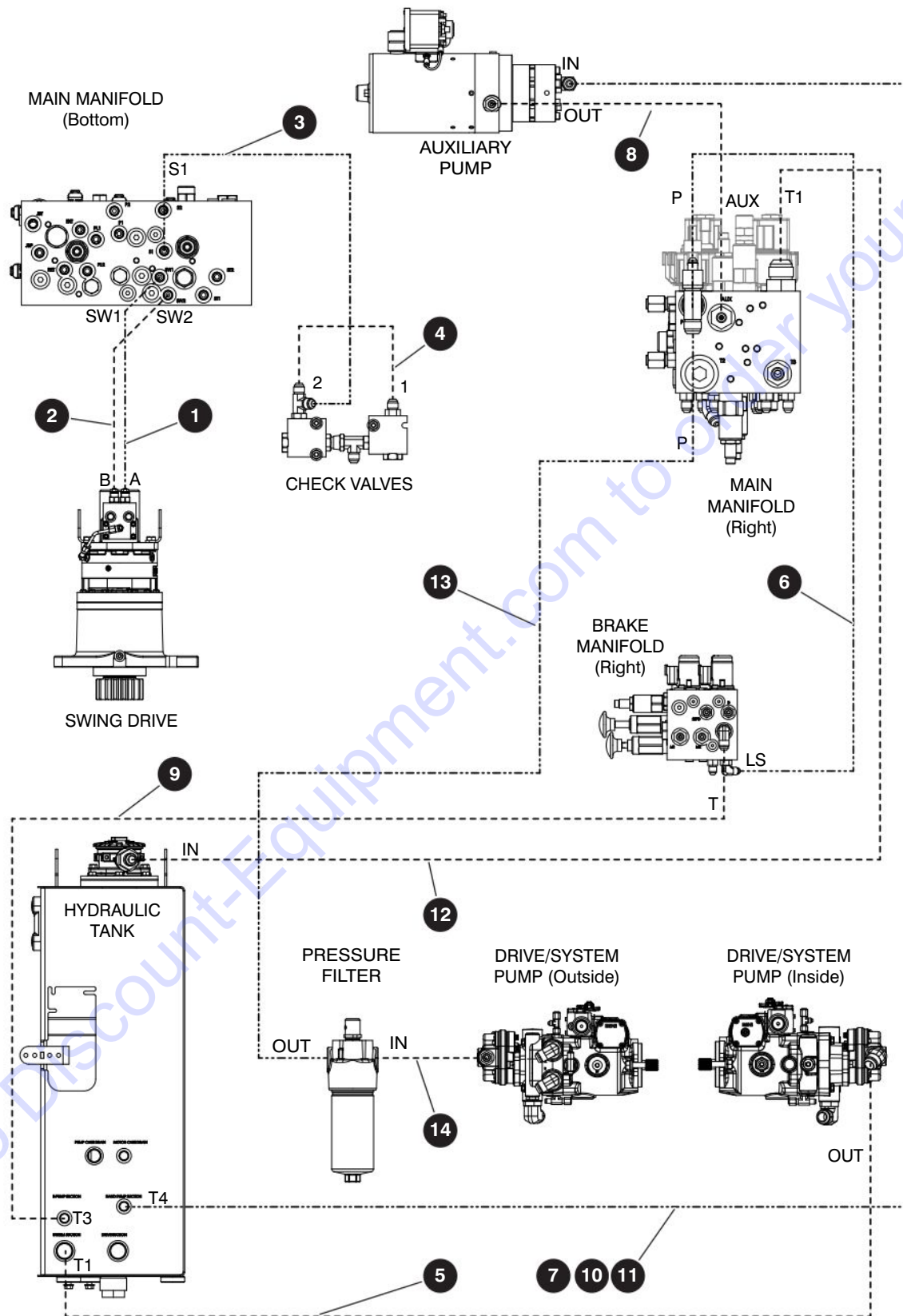
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8.2 Hydraulic Hoses - Boom

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	218924	JIB HOSE KIT			
1	H3104 0096 0	Jib Manifold	2B	L	Rotart Actuator
2	H3104 0102 0	Jib Manifold	2A	R	Rotart Actuator
3	H3104 0077 0	Jib Manifold	1B	E	Jib Cylinder
4	H3104 0077 0	Jib Manifold	1A	R	Jib Cylinder
-	218929	BOOM HOSE KIT			
5	H3104 0219 0	Master Cylinder	E	-	Bulkhead 1 (Fly Boom)
6	H3104 0230 0	Master Cylinder	R	-	Bulkhead 1 (Fly Boom)
7	H3104 0210 0	Jib Manifold	3B	-	Union
8	H3104 0210 0	Jib Manifold	4A	-	Union
9	H3104 0028 2	Slave Cylinder	E	-	Bulkhead 1 (Fly Boom)
10	H3104 0028 2	Slave Cylinder	R	-	Bulkhead 1 (Fly Boom)
-	149103	RISER HOSE KIT			
11	H3104 0380 0	Main Manifold	PL1	E	Master Cylinder
12	H3104 0360 0	Main Manifold	PL2	R	Master Cylinder
13	H3104 0380 0	Main Manifold	P1	E	Boom Lift Cylinder
14	H3104 0374 0	Main Manifold	P2	R	Boom Lift Cylinder
15	H3104 0392 0	Main Manifold	JBP	-	Union
16	H3104 0392 0	Main Manifold	JBT	-	Union
17	H3206 0144 0	Check Valve	CV2	E	Riser Cylinder - RH
18	H3104 0144 0	Main Manifold	S2	R	Riser Cylinder - LH
19	H3106 0031 0	Riser Cylinder LH - Return	R	R	Riser Cylinder RH - Return
20	H3106 0031 0	Riser Cylinder LH - Return	E	E	Riser Cylinder RH - Return
21	H3106 0346 0	Main Manifold	RET	R	Extension Cylinder
22	H3106 0346 0	Main Manifold	EXT	E	Extension Cylinder
Index No.	Skyjack Part No.	Qty.	Description		
23	134835	2	FITTING, Straight (04 JICM - 04 JICM) (component of Riser Hose Kit)		
24	131732	48"	SLEEVE, Nylon hose protection (componen of E-Chain Hose Kit) (not shown)		
25	126128	2	FITTING (4 SAE - 04 JIC) (not shown)		

8.3 Hydraulic Hoses - Turret



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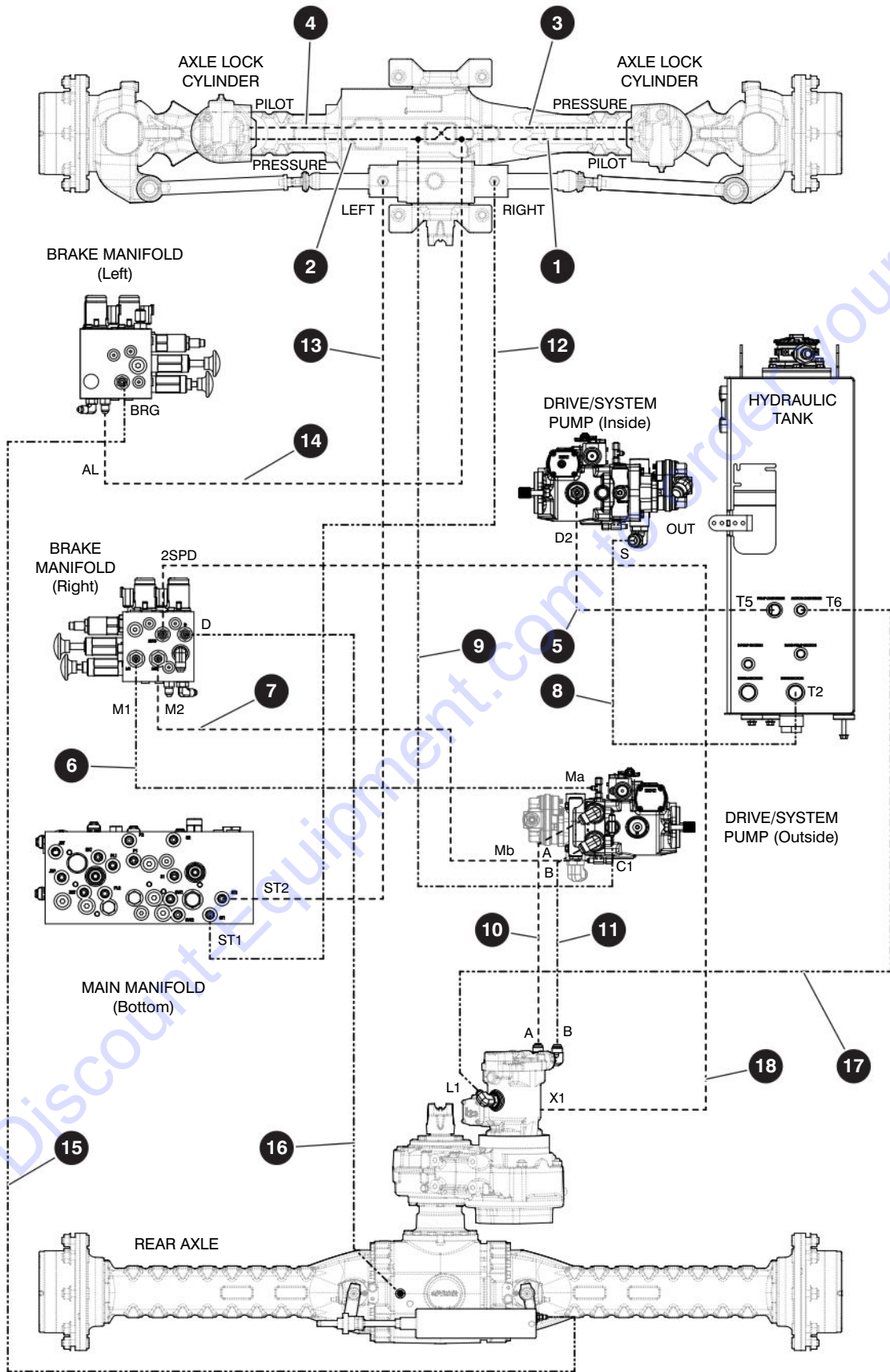
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8.3 Hydraulic Hoses - Turret

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	211209	TURRET HOSE KIT			
1	H3404 0054 0	Main Manifold	SW1	A	Swing Drive
2	H3404 0054 0	Main Manifold	SW2	B	Swing Drive
3	H3206 0012 2	Main Manifold	S1	2	Check Valve
4	H3106 0016 0	Check Valve	1	2	Check Valve
-	166841	SYSTEM & AUXILIARY PUMP HOSE KIT			
5	H3916 0059 0	System Pump (Suction)	OUT	T1	Hydraulic Tank
6	H3204 0042 0	Main Manifold	P	LS	Brake Manifold
7	H1708 0007 0	Hydraulic Tank (H.P. Suction)	T4	IN	Auxiliary Pump
8	H3404 0034 0	Auxiliary Pump	OUT	AUX	Main Manifold
9	H5106 0018 0	Brake Manifold	T	T3	Main Manifold
10	144087	Straight Fitting (08 BARB - 08 JICFS)			
11	144094	Hose Clamp (19-21 Mikalor)			
-	166752	NO OIL COOLER HOSE KIT			
12	H5112 0030 0	Return Filter	IN	T1	Main Manifold
13	H5108 0086 0	Pressure Filter	OUT	P	Main Manifold
14	H5410 0039 0	Pressure Filter	IN	-	System Pump

8.4 Hydraulic Hoses - Base



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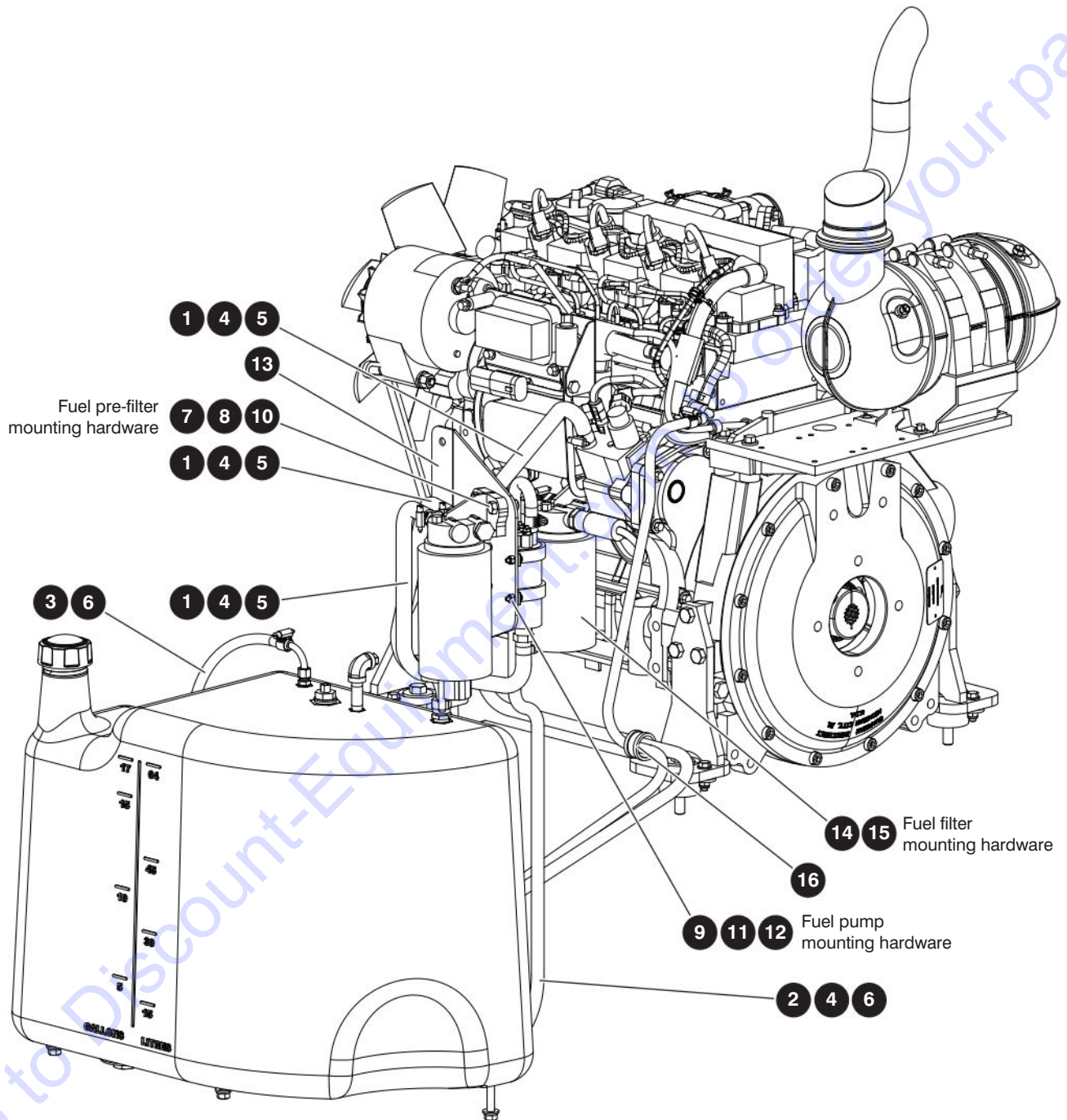
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8.4 Hydraulic Hoses - Base

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	211212	CHASSIS HOSE KIT			
1	H3104 0031 0	Axle Lock - Pilot Right	-	-	Axle Lock - Pilot Tee
2	H3106 0031 0	Axle Lock - Pressure Left	-	-	Axle Lock - Pressure Tee
3	H3106 0031 0	Axle Lock - Pressure Right	-	-	Axle Lock - Pressure Tee
4	H3104 0031 0	Axle Lock - Pilot Left	-	-	Axle Lock - Pilot Tee
-	211210	DRIVE PUMP HOSE KIT			
5	H3712 0062 0	Drive Pump	D2	T5	Hydraulic Tank (P. Case Drain)
6	H4004 0080 0	Drive Pump	Ma	M1	Brake Manifold
7	H4004 0080 0	Drive Pump	Mb	M2	Brake Manifold
8	H3816 0057 0	Drive Pump	S	T2	Hydraulic Tank (Drive Suction)
9	H3104 0122 0	Drive Pump	C1	-	Axle Lock - Pressure Tee
10	H0412 0152 0	Drive Pump	A	A	Drive Motor
11	H0412 0152 0	Drive Pump	B	B	Drive Motor
-	211209	TURRET HOSE KIT (with hoses from 8.5)			
12	H3204 0120 0	Steering Cylinder	R	ST1	Main Manifold
13	H3204 0120 0	Steering Cylinder	L	ST2	Main Manifold
14	H3404 0103 0	Axle Lock - Pilot Tee	-	AL	Brake Manifold
15	H3404 0149 0	Rear Axle - Brake	-	BRG	Brake Manifold
16	H3404 0147 0	Rear Axle - Diff Lock	-	D	Brake Manifold
17	H3108 0118 0	Motor	L1	T6	Hydraulic Tank
18	H3404 0111 0	Motor	X1	2SPD	Brake Manifold

Index No.	Skyjack Part No.	Qty.	Description
19	140914	140"	SLEEVE, Nylon (part of drive pump hose kit)
20	140914	140"	SLEEVE, Nylon (part of drive pump hose kit)
21	131732	24"	SLEEVE, Nylon (part of drive pump hose kit)
22	131732	19"	SLEEVE, Nylon (part of drive pump hose kit)
23	131732	13"	SLEEVE, Nylon (part of drive pump hose kit)
24	131732	13"	SLEEVE, Nylon (part of turret hose kit)

8.5 Fuel Lines - Deutz D2.9L



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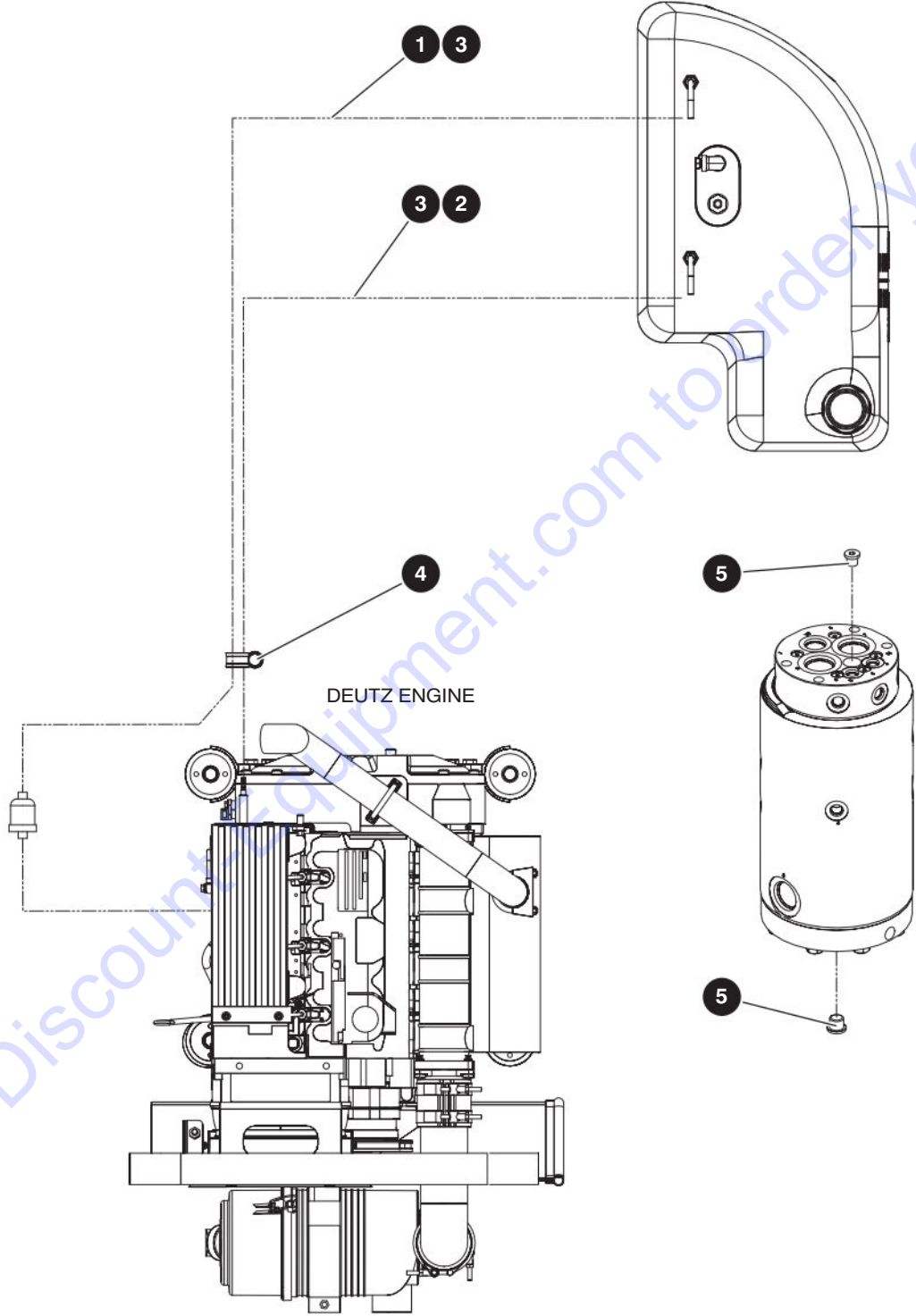
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8.5 Fuel Lines - Deutz D2.9L

Index No.	Skyjack Part No.	Qty.	Description
-	169761	1	FUEL SYSTEM ASSEMBLY - Deutz D2.9L
1	163509	58"	• HOSE, Fuel line (1/2" ID)
2	166737	113"	• HOSE, Fuel line (3/8" ID)
3	102984	80"	• HOSE, Fuel line (5/16" ID)
4	163521	10	• CLAMP, Gear (#10)
5	163222	3	• FITTING, Fuel hose
6	164977	1	• FITTING, Fuel line (3/8")
7	101297	2	• BOLT, Hex head (3/8" x 1.25", grade 5)
8	103472	8	• WASHER, Flat (3/8")
9	104694	8	• WASHER, Flat (#10-32)
10	104606	4	• NUT, Lock nylon (3/8"-16, grade 5)
11	300450	4	• NUT, Machine (#10-32)
12	104698	4	• BOLT, Machine (#10-32 x 0.75")
13	169678	1	• BRACKET, Fuel prefilter
14	103870	2	• BOLT, Hex head (3/8" x 1.50", grade 5)
15	600315	2	• WASHER, Flat (M10)
16	133319	1	• CLAMP, Cushioned loop (#18)

8.6 Fuel Lines - Deutz D2011

DIESEL
FUEL TANK



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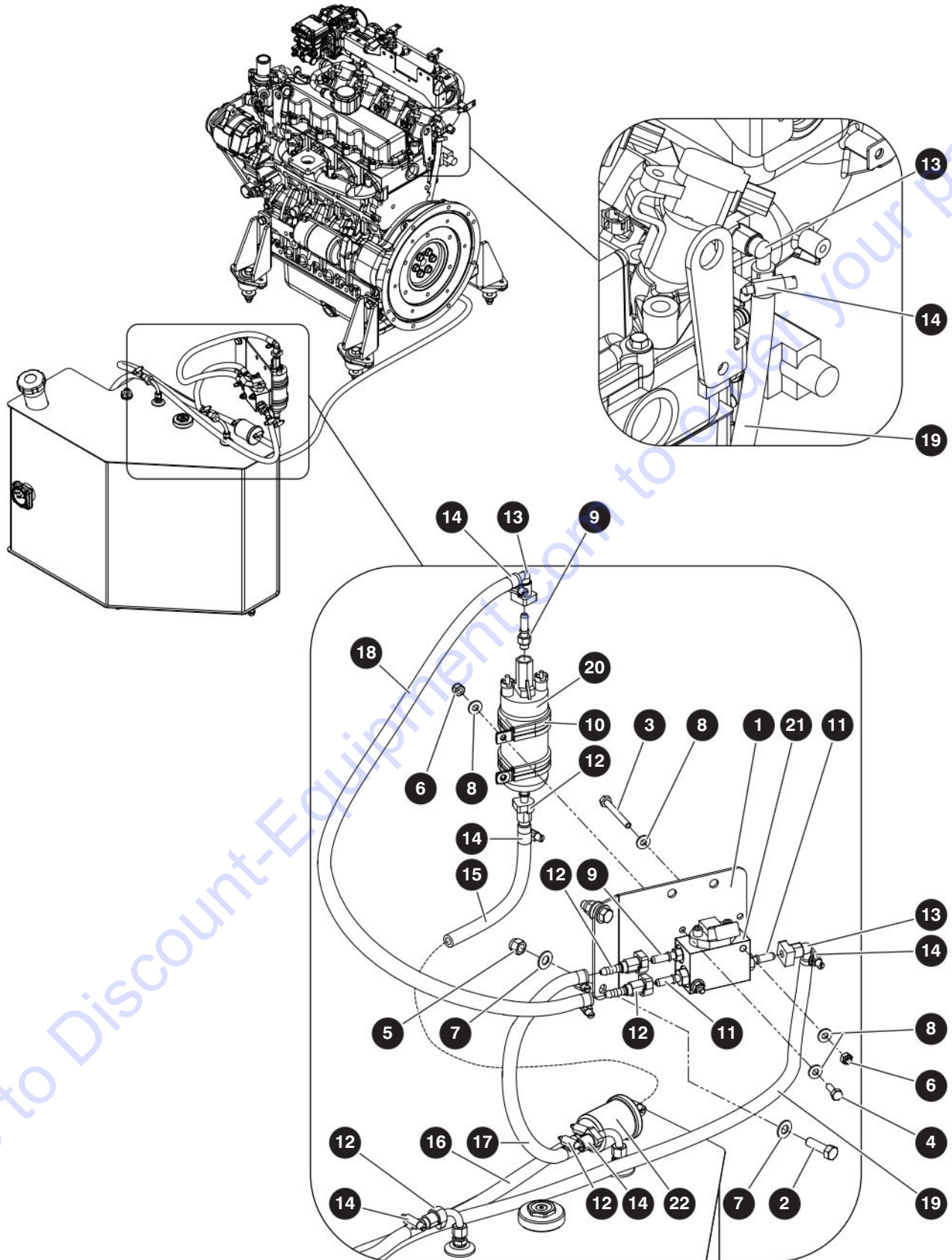
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8.6 Fuel Lines - Deutz D2011

Index No.	Skyjack Part No.	Qty.	Description
-	148652	1	FUEL LINE ASSEMBLY - Deutz D2011
1	102984	102"	<ul style="list-style-type: none"> • HOSE, Fuel line (5/16" ID)
2	102984	92"	<ul style="list-style-type: none"> • HOSE, Fuel line (5/16" ID)
3	103321	4	<ul style="list-style-type: none"> • CLAMP, Gear (SAE #4, 1/4"-13/16")
4	103078	1	<ul style="list-style-type: none"> • CLIP, Double
5	139171	2	<ul style="list-style-type: none"> • PLUG, Hex (06 ORBM)

8.7 Fuel Lines - Kubota WG2503



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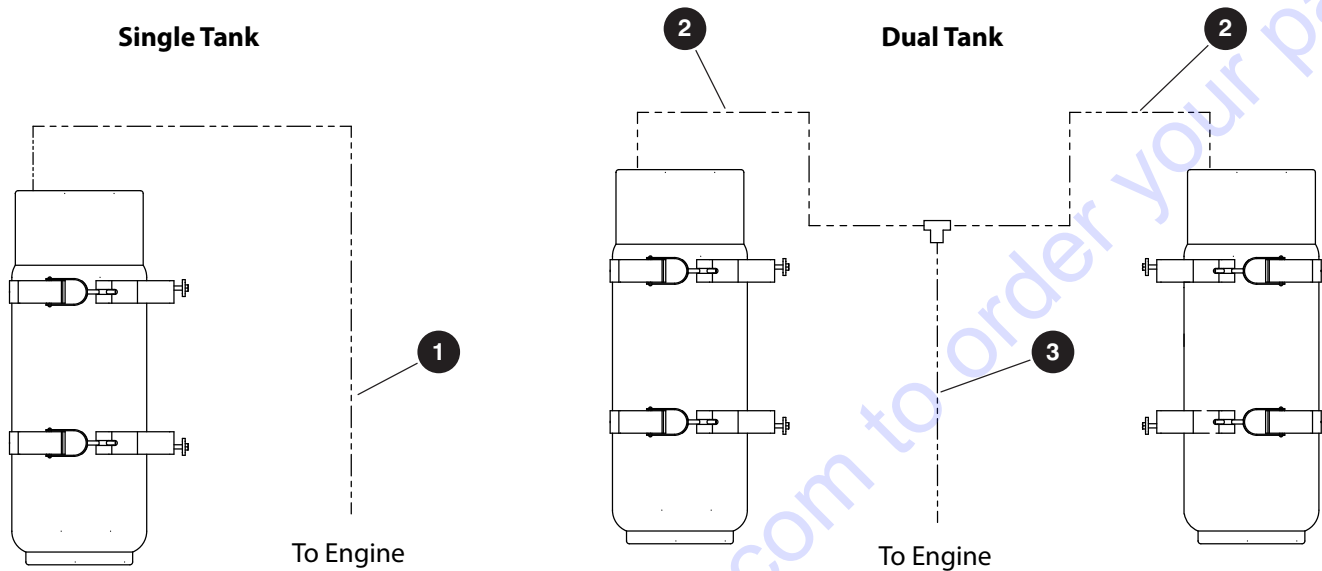
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8.7 Fuel Lines - Kubota WG2503

Index No.	Skyjack Part No.	Qty.	Description
-	171199	1	FUEL LINE ASSEMBLY - <i>Kubota WG2503 Dual Fuel</i>
1	169678	1	• BRACKET, Fuel prefilter
2	101297	2	• BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
3	103862	2	• BOLT, Hex head (0.25"-20 x 2.25" Grade 5)
4	104606	1	• BOLT, Hex head (0.25"-20 x 0.75" Grade 5)
5	104606	2	• NUT, Hex head nylon lock (0.375"-16 gr 5)
6	115649	3	• NUT, Hex head nylon lock (0.25"-20 gr 5)
7	103472	4	• WASHER, Flat (0.375")
8	103995	6	• WASHER, Flat (0.25")
9	170571	2	• QUICK CONNECT, Stem (8mm tube, SAE #3)
10	124433	2	• CLAMP, Loop cushioned (2" dia)
11	170572	2	• QUICK CONNECT, Stem (8mm tube, SAE #6)
12	142397	5	• QUICK CONNECT, Straight
13	142398	3	• QUICK CONNECT, 90° elbow
14	103321	10	• CLAMP, Gear
15	142405	8"	• HOSE, Fuel line (5/16 EP SAE 30R9)
16	142405	22"	• HOSE, Fuel line (5/16 EP SAE 30R9)
17	142405	14"	• HOSE, Fuel line (5/16 EP SAE 30R9)
18	142405	24"	• HOSE, Fuel line (5/16 EP SAE 30R9)
19	142405	64"	• HOSE, Fuel line (5/16 EP SAE 30R9)
20	164881	1	PUMP, Fuel
21	164883	1	MANIFOLD, Fuel pressure
22	136118	1	FILTER, Fuel

8.8 Propane Lines - Kubota WG2503

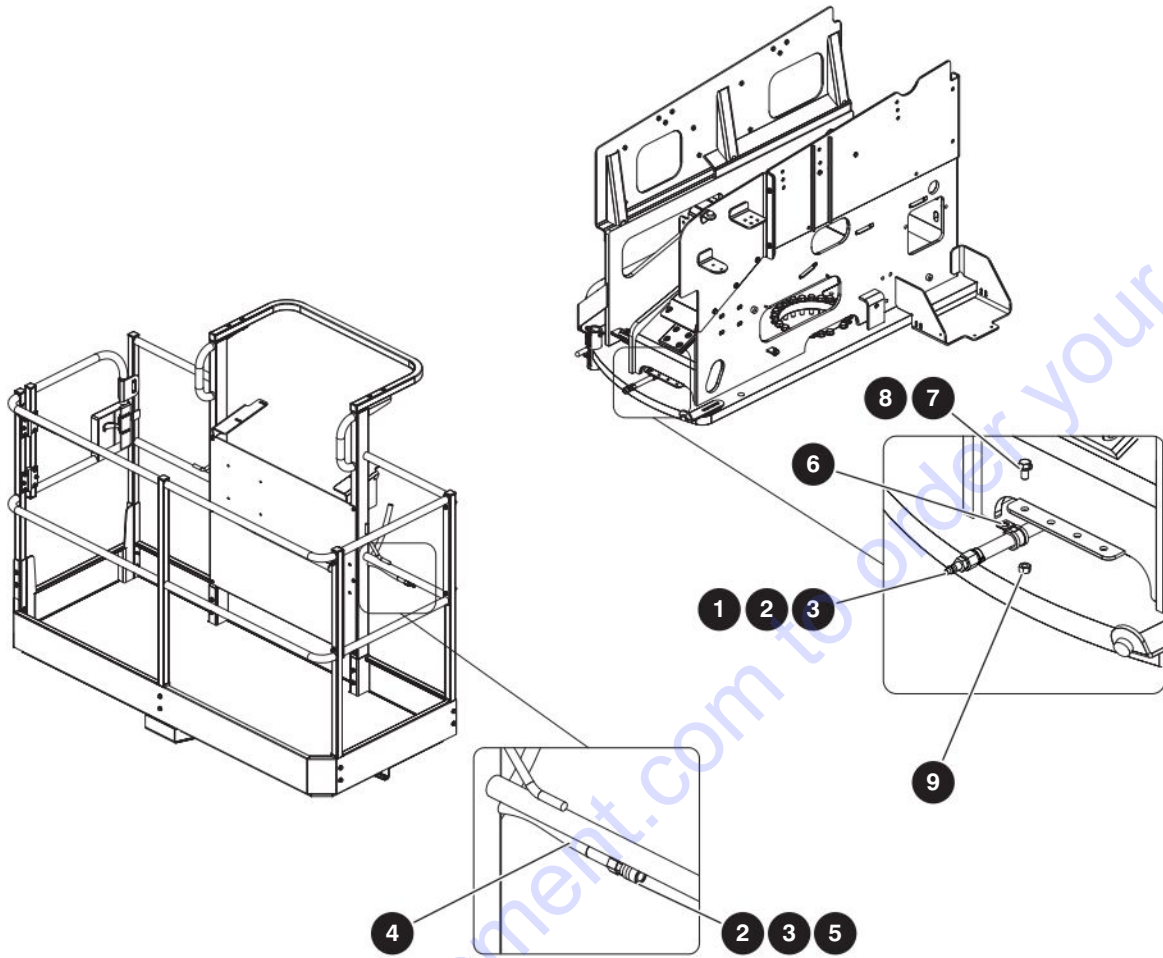


Index No.	Skyjack Part No.	Qty.	Description
1	211434	1	HOSE, Propane (156")
2	103098	1	HOSE, Propane (42")
3	211429	1	HOSE, Propane (135")
4	144327	1	HOSE, Propane (103")
5	152264	1	HOSE, Propane (30")

Section 9 – Optional Equipment

- 9.1 Air Hose To Platform
- 9.2 Flashing Light
- 9.3 Oil Quick Drain
- 9.4 Diesel Scrubber
- 9.5 Block Heater
- 9.6 Cold Start
- 9.7 Arctic Package
- 9.8 Load Circuit Manifold - Deutz D2.9L
- 9.9 Load Circuit Hose Kit - Deutz D2.9L
- 9.10 Oil Cooler (No Generator)
- 9.11 Hydraulic Hoses - Oil Cooler (No Generator)
- 9.12 Oil Cooler Wiring
- 9.13 Generator & Oil Cooler - 3.5kW
- 9.14 Generator - 3.5 kW
- 9.15 Hydraulic Hoses - 3.5 kW Generator & Oil Cooler
- 9.16 Generator Wiring - 3.5kW
- 9.17 Generator & Oil Cooler Assembly - 12 kW
- 9.18 Generator & Oil Cooler - 12 kW
- 9.19 Generator - 12 kW
- 9.20 Generator Manifold - 12 kW
- 9.21 Circuit Breaker & Wiring - 12 kW Generator
- 9.22 Hydraulic Hoses - 12 kW Generator & Oil Cooler
- 9.23 Welder & Mount
- 9.24 Glazier Tray
- 9.25 Control Box Cover
- 9.26 Positive Air Shutoff - Deutz D2.9L
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- 9.28 Pipe Rack
- 9.29 Work Lights
- 9.30 Tool Caddy
- 9.31 Half-Height Platform Mesh
- 9.32 External Railing
- 9.33 Elevate Telematics
- 9.34 Elevate Telematics Subscription

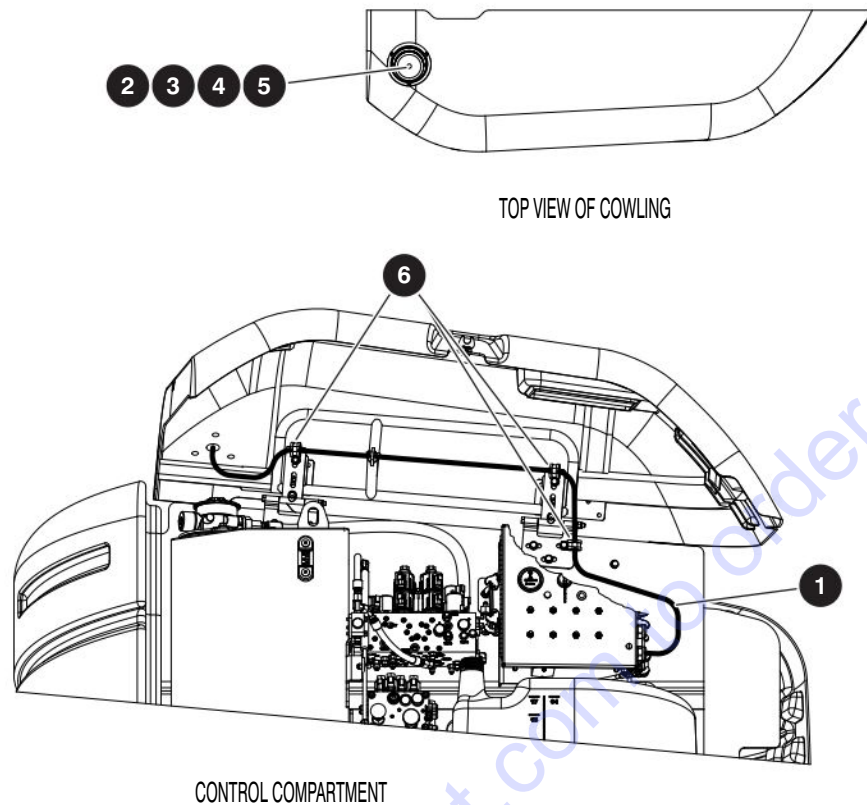
9.1 Air Hose To Platform



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Index No.	Skyjack Part No.	Qty.	Description
-	148598	1	AIR HOSE TO PLATFORM
1	107883	1	• FITTING, Male disconnect (16.1262)
2	109050	2	• FITTING, Hose barb (Brass)
3	107886	2	• CLAMP
4	107884	734"	• HOSE, Air (1/2" diameter)
5	107882	1	• FITTING, Female disconnect (#B22E)
6	152402	1	• CLAMP, Tube
7	101632	1	• BOLT, Hex head (3/8"-16 x 3/4 Grade 5)
8	103472	1	• WASHER, Flat (3/8")
9	103978	1	• NUT, Hex head (3/8"-16 Grade 5)

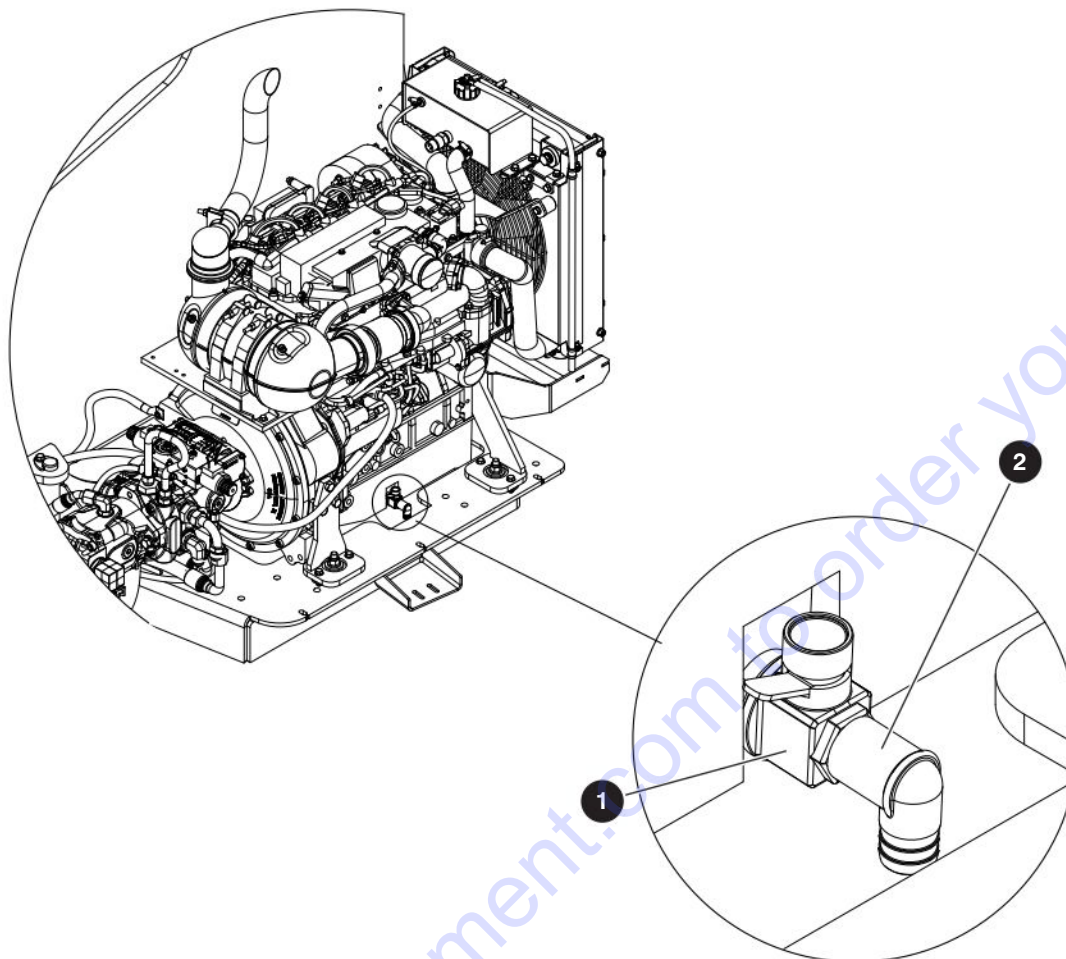
9.2 Flashing Light



M148528AA

Index No.	Skyjack Part No.	Qty.	Description
-	148528	1	FLASHING AMBER LIGHT OPTION
1	152585	1	• HARNESS, Flash amber light
	117591	2	• • CONNECTOR, Contact socket (16/18 GA)
	117599	1	• • CONNECTOR, Wedge (2 pin)
	117597	1	• • CONNECTOR (2 pin)
2	144078	1	• FLASHING AMBER LIGHT ASSEMBLY
	143971	1	• • STROBE LIGHT, Amber (12/24 VDC)
	144215	1	• • • FLASH TUBE
	117596	1	• • CONNECTOR, Receptacle (2 pin)
	117590	2	• • CONNECTOR, Contact pin (16/18 GA)
	117598	1	• • WEDGE, Receptacle (2 pin)
	124399	4"	• • SPLIT LOOM (1/4")
3	122498	3	• SCREW, Round head machine (#10-32 x 1 1/4")
4	300450	3	• LOCKNUT, Hex (#10-32 UNF, nylon insulated)
5	104694	3	• WASHER, Flat (#10 SAE)
6	102972	3	• CLIP, Double (G8)

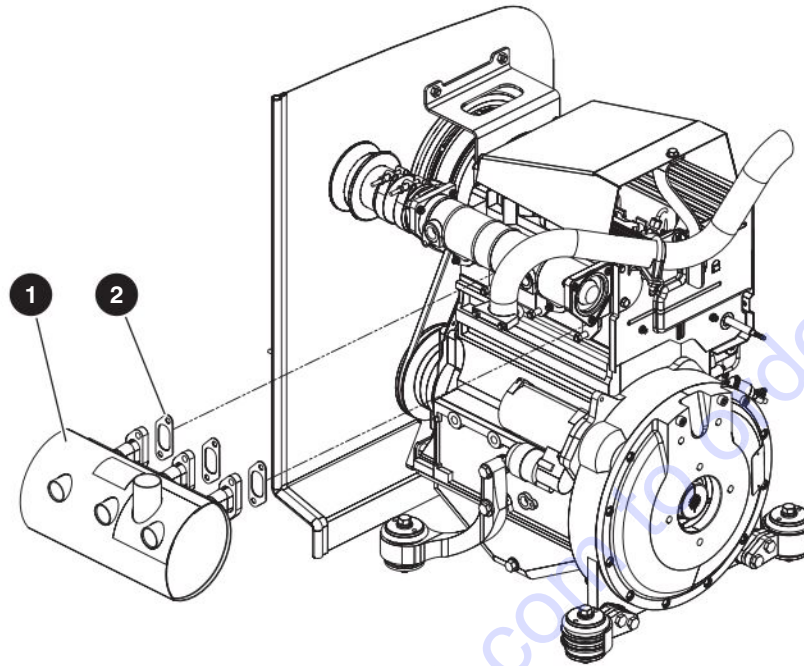
9.3 Oil Quick Drain



M169469AA

Index No.	Skyjack Part No.	Qty.	Description
A	169469	1	OIL QUICK DRAIN - Deutz Engines
B	171265	1	OIL QUICK DRAIN - Kubota Engines
1	167431	1	• VALVE, Oil drain, A
	170731	1	• VALVE, Oil drain, B
2	167432	1	• ELBOW, 90° oil drain, A

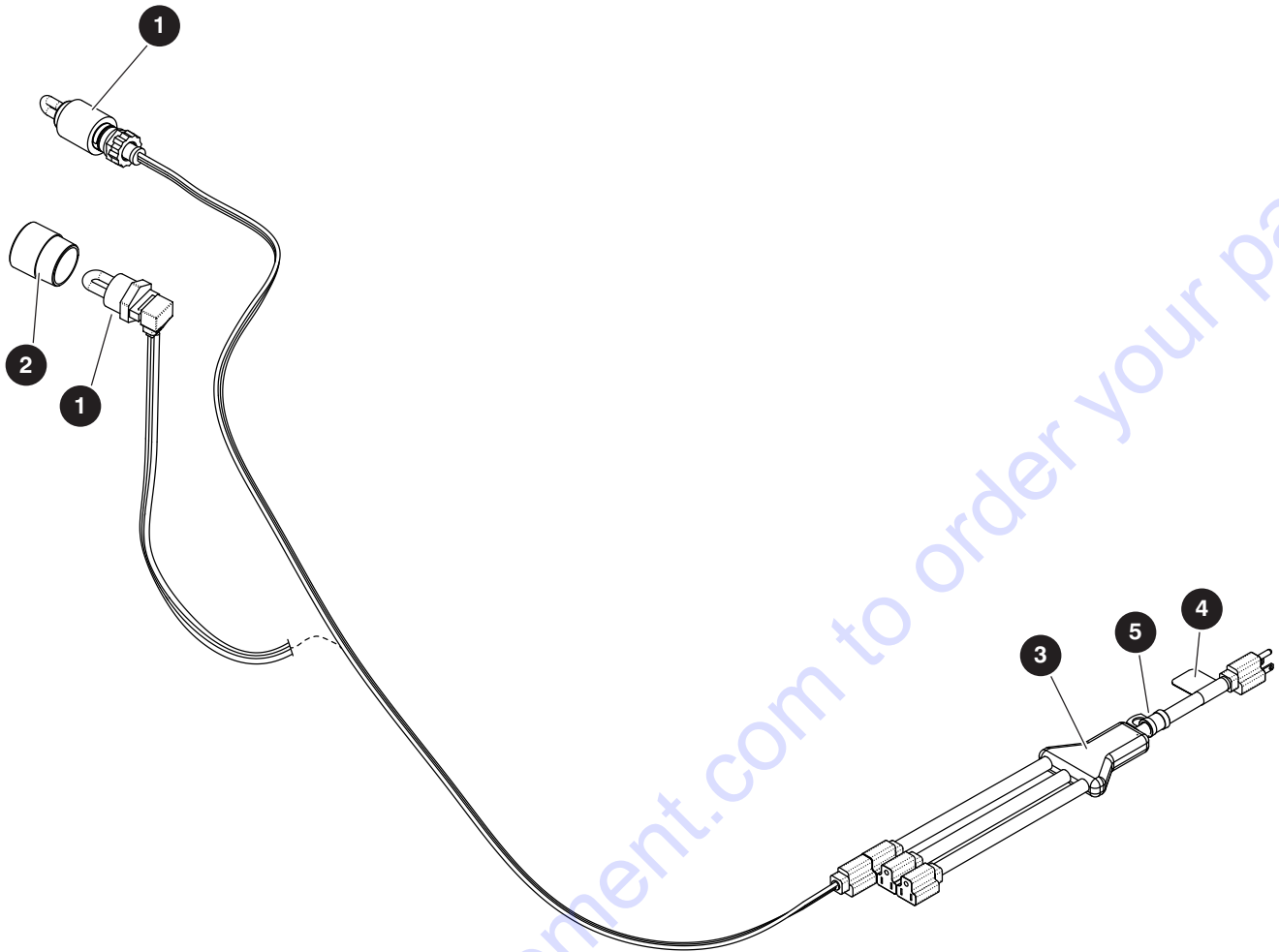
9.4 Diesel Scrubber



M144297AA

Index No.	Skyjack Part No.	Qty.	Description
-	149115	1	DIESEL SCRUBBER - Deutz D2011
1	152603	1	• MUFFLER, Catalytic
2	144299	3	• GASKET

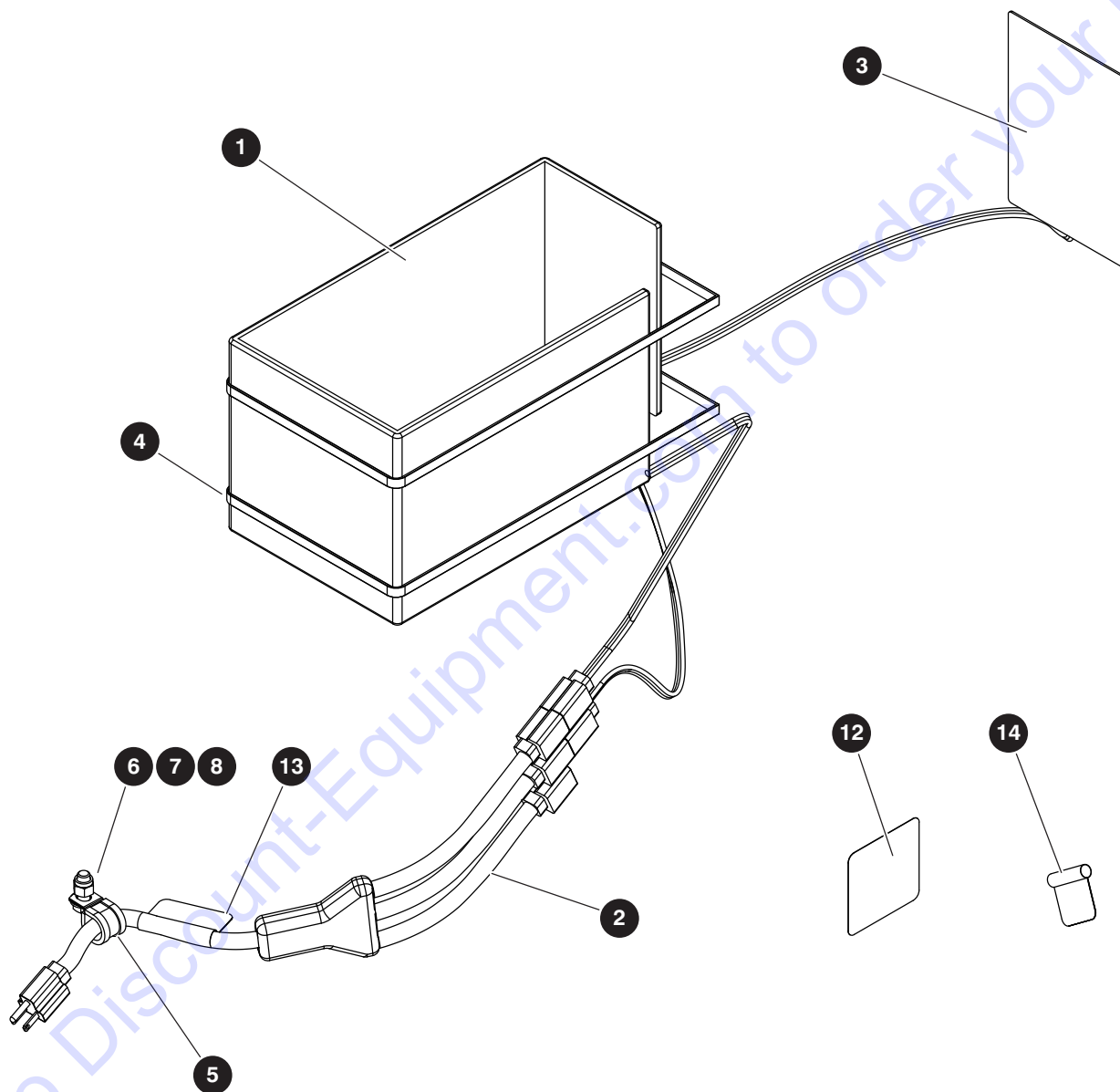
9.5 Block Heater



M171564AA_M170738AA

Index No.	Skyjack Part No.	Qty.	Description
A	171564	1	BLOCK HEATER - Deutz TD2.9L engine
B	213417	1	BLOCK HEATER - Kubota WG2503 engine
1	165559	1	• HEATER, Block (120V) - Deutz TD/D2.9L, A
	170738	1	• HEATER, Block - Kubota WG2503, B
2	170073	1	• ADAPTER, B
3	159888	1	• CORD, "W"
4	168880	1	• LABEL, Block heater
5	144129	1	• CLIP, Single (S332G10)

9.6 Cold Start



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9.6 Cold Start

Index No.	Skyjack Part No.	Qty.	Description
A	230161	1	COLD START OPTION - Deutz D2.9
B	230159	1	COLD START OPTION - Deutz D2011
C	171127	1	COLD START OPTION - Kubota WG2503
1	703290	1	• BLANKET, Battery
2	159888	1	• CORD, "W"
3	164762	1	• HEATER, Pad - 500W
4	144727	2	• TIEWRAP, Cable (43.3")
5	152402	2	• CLAMP, Tube (Cushioned)
6	103473	2	• BOLT, Hex head (3/8"-16 x 1.00, grade 5)
7	103472	3	• WASHER, Flat, 3/8"
8	104606	1	• NUT, Hex head nylon lock (3/8"-16, grade 5)
11	(Ref.)	1	• LOAD CIRCUIT ASSEMBLY (not shown), B (For components, refer to 9.8 Load Circuit Manifold - Deutz D2.9L)
12	143593	1	• LABEL, Shell Telus T46 (located on hydraulic tank)
13	146021	1	• LABEL, Hydraulic oil/battery warmer (located on W cord)
14	146162	1	• LABEL, Cold weather factory oil (located on dipstick), B, C

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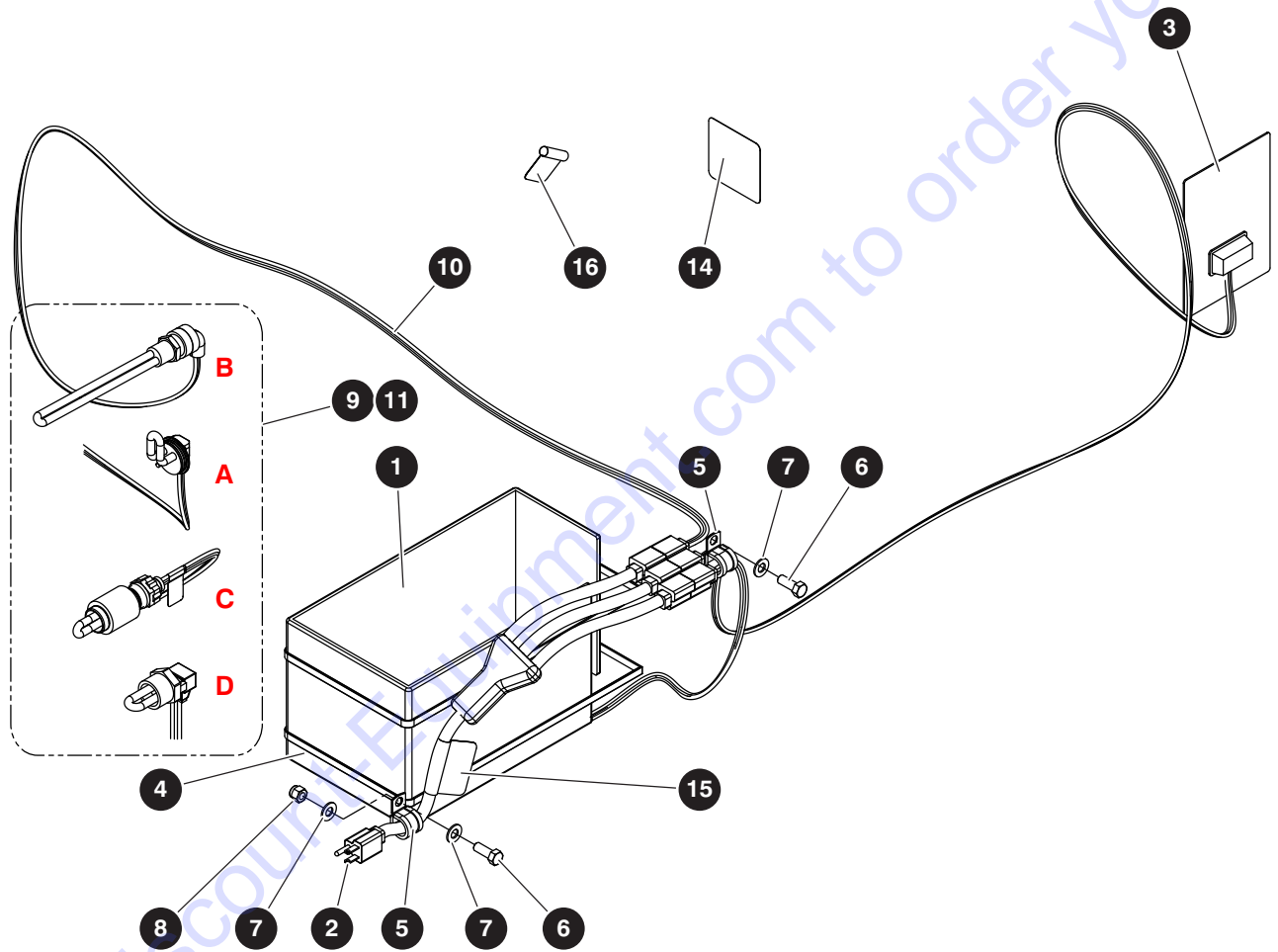
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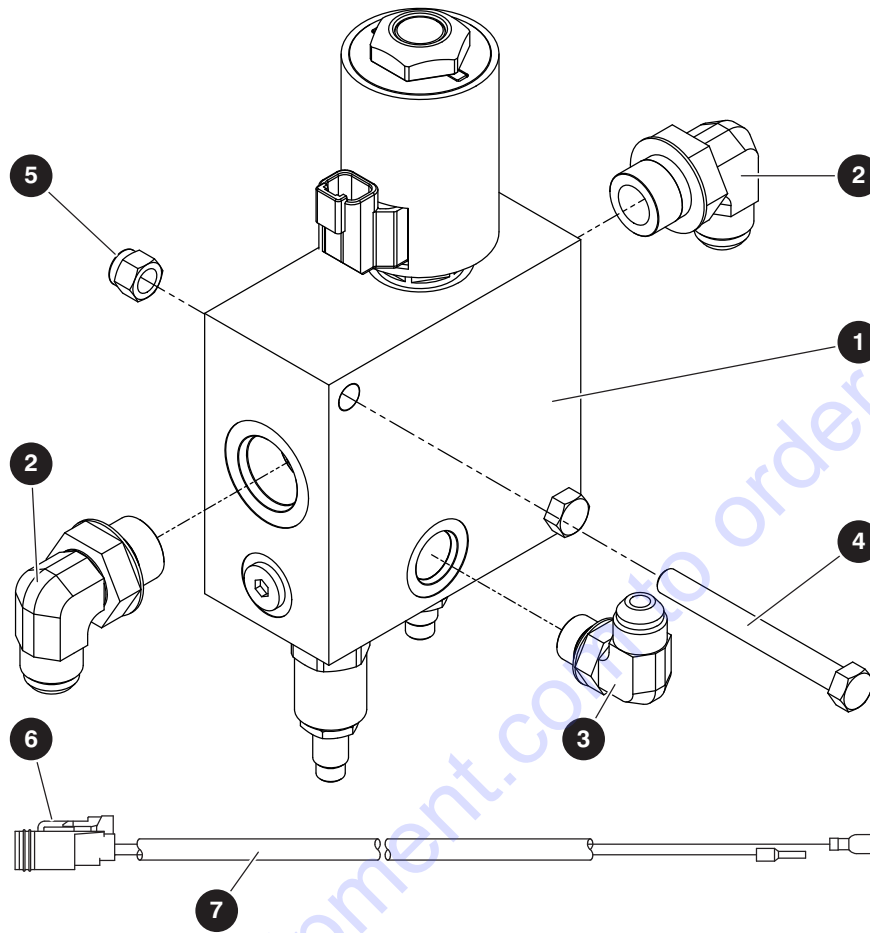
9.7 Arctic Package



9.7 Arctic Package

Index No.	Skyjack Part No.	Qty.	Description
A	167854	1	ARCTIC PACKAGE OPTION - Deutz D2011
B	167860	1	ARCTIC PACKAGE OPTION - Deutz D2.9L
C	171132	1	ARCTIC PACKAGE OPTION - Kubota WG2503
1	703290	1	• BLANKET, Battery
2	159888	1	• CORD, "W"
3	164762	1	• HEATER, Pad - 500W
4	144727	2	• TIEWRAP, Cable (43.3")
5	152402	2	• CLAMP, Tube (Cushioned)
6	103473	2	• BOLT, Hex head (3/8"-16 x 1.00, grade 5)
7	103472	3	• WASHER, Flat, 3/8"
8	104606	1	• NUT, Hex head nylon lock (3/8"-16, grade 5)
9	144642	1	• HEATER, Oil pan, A
	165559	1	• HEATER, Block, B
	170072	1	• HEATER, Block, C
10	166299	1	• CORD, Oil pan heater, A
11	170073	1	• ADAPTER, Block heater, C
12	(Ref.)	1	• LOAD CIRCUIT MANIFOLD (not shown), B (For components, refer to 9.8 Load Circuit Manifold - Deutz D2.9L)
13	(Ref.)	1	• LOAD CIRCUIT HOSE KIT (not shown), B (For components, refer to 9.9 Load Circuit Hose Kit - Deutz D2.9L)
14	144632	1	• LABEL, Hydraulic oil heater/battery warmer (Located on W-Cord)
15	144633	1	• LABEL, Arctic hydraulic oil (Located on hydraulic tank)
16	144635	1	• LABEL, Arctic engine oil (Located on oil dipstick), A, B

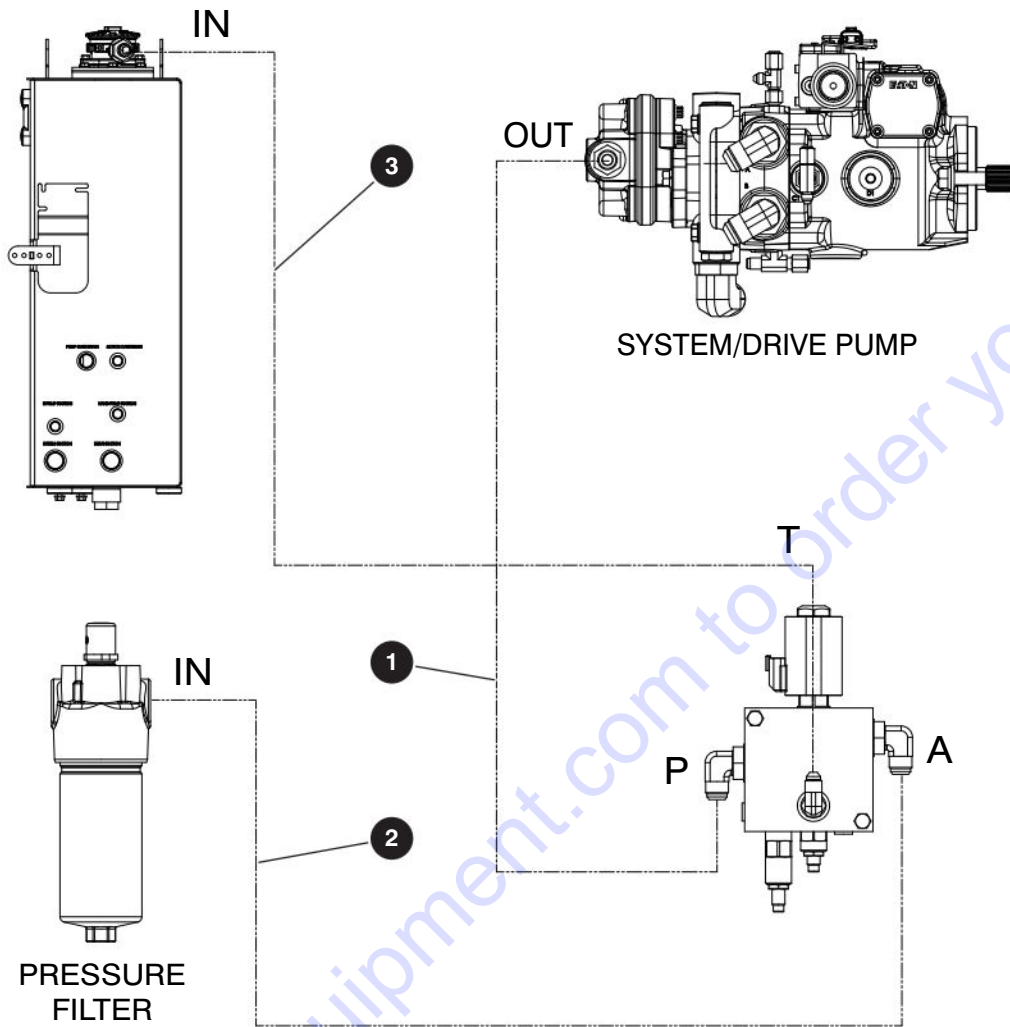
9.8 Load Circuit Manifold - Deutz D2.9L



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Index No.	Skyjack Part No.	Qty.	Description
-	194701	1	LOAD CIRCUIT MANIFOLD - Cold & Arctic Packages with Deutz D2.9L
-	209445	1	• MANIFOLD ASSEMBLY, Load circuit
1	208620	1	• • MANIFOLD, Load circuit
	195033	1	• • • VALVE, Needle
	195035	1	• • • VALVE, Relief (3250 psi)
	195036	1	• • • VALVE, Spool (SV12-34)
	168450	1	• • • COIL, 12V DC
2	138981	2	• • FITTING, 90° (10JICM-12ORBM)
3	114583	1	• • FITTING, 90° (08JICM-08ORBM)
4	103915	2	• BOLT, Hex head (0.375"-16 X 3.50" gr 5)
5	104606	2	• NUT, Hex head nylon lock (0.375"-16 gr 5)
6	218989	1	HARNESS, Load circuit

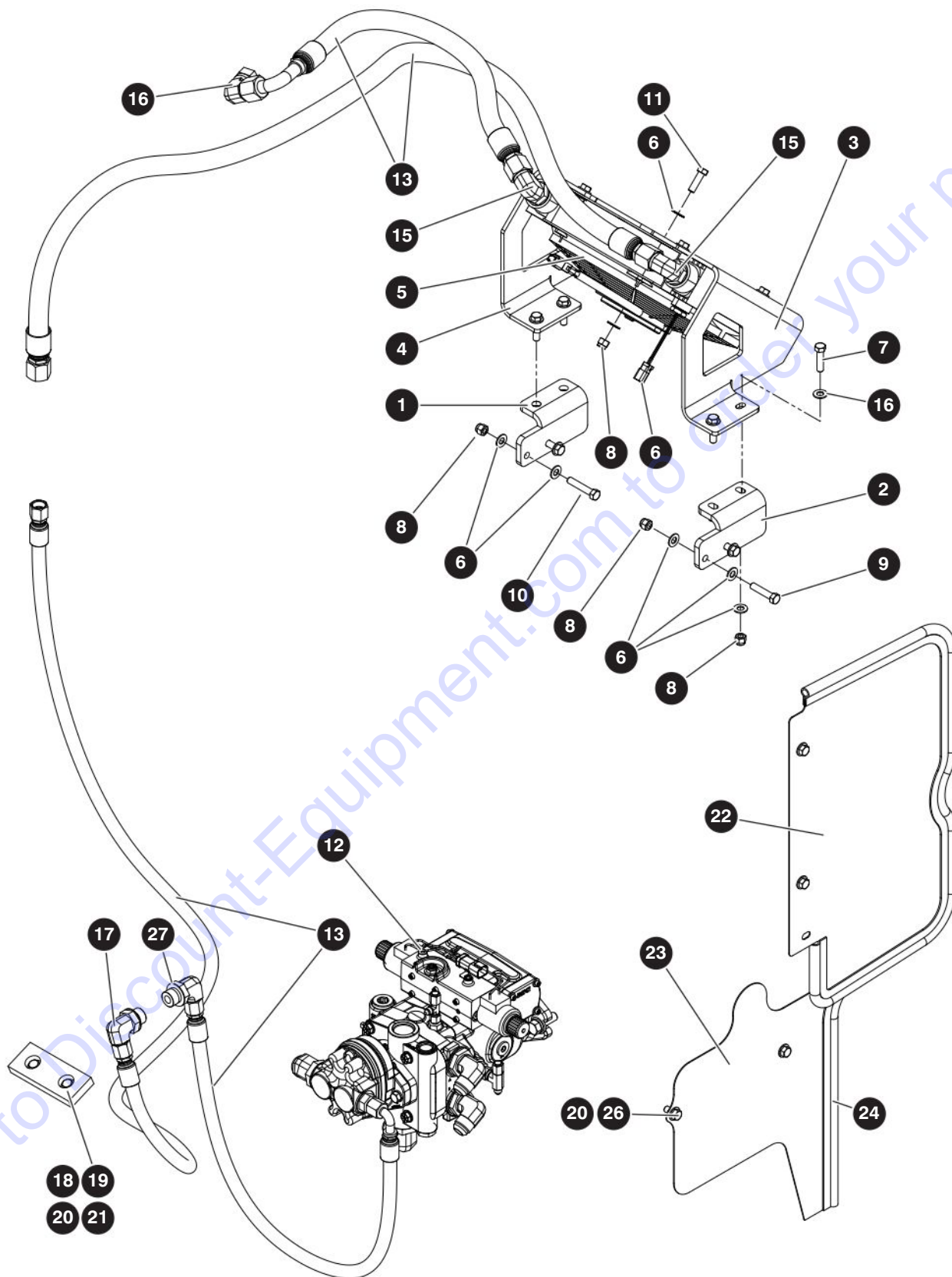
9.9 Load Circuit Hose Kit - Deutz D2.9L



M194976AB

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	194976	LOAD CIRCUIT HOSE KIT - <i>Cold & Arctic Packages with Deutz D2.9L engine</i>			
1	H5410 0020 0	System Pump	OUT	P	Load Circuit Manifold
2	H5110 0043 0	High Pressure Filter	IN	A	Load Circuit Manifold
3	H540801200	Hydraulic Tank	IN	T	Load Circuit Manifold

9.10 Oil Cooler (No Generator)



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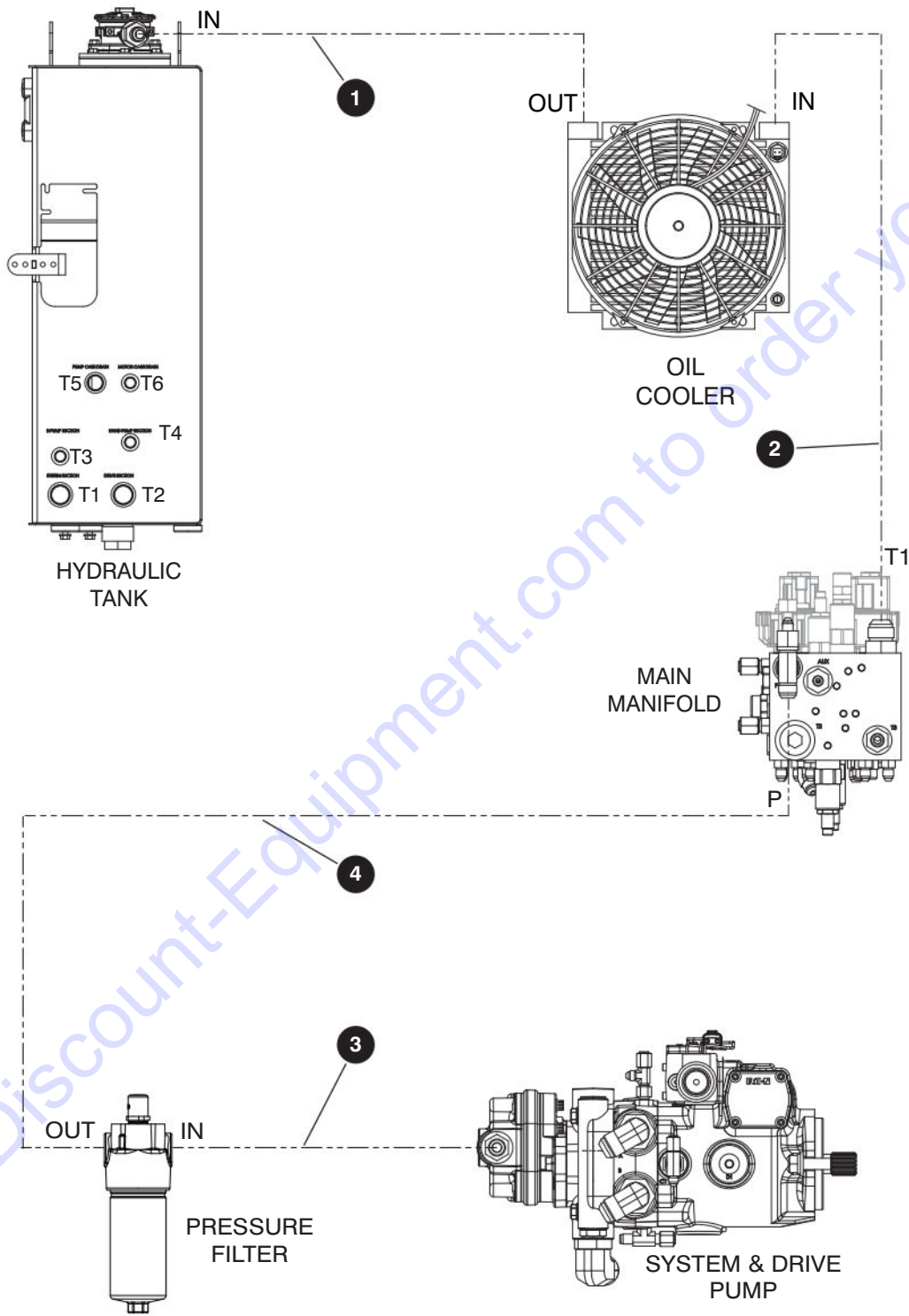
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9.10 Oil Cooler (No Generator)

Index No.	Skyjack Part No.	Qty.	Description
-	166729	1	OIL COOLER ASSEMBLY (No Generator)
-	166736	1	• OIL COOLER ASSEMBLY
1	162962	1	• • BRACKET, Mount
2	162967	1	• • BRACKET, Mount
3	162964	1	• • BRACKET, Oil cooler mount RH
4	162963	1	• • BRACKET, Oil cooler mount LH
5	160800	1	• • OIL COOLER, 12V DC
6	103472	26	• • WASHER, Flat (0.375")
7	103870	4	• • BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
8	104606	12	• • NUT, Hex head nylon lock (0.375"-16 Grade 5)
9	103871	2	• • BOLT, Hex head (0.375"-16 x 1.75" Grade 5)
10	103596	2	• • BOLT, Hex head (0.375"-16 x 2.00" Grade 5)
11	101297	6	• • BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
12	(Ref.)	1	• DRIVE/SYSTEM PUMP (For components, refer to 7.7 Drive and System Pump)
13	(Ref.)	1	• OIL COOLER HOSE KIT (For components, refer to 9.11 Hydraulic Hoses - Oil Cooler (No Generator))
14	(Ref.)	1	• OIL COOLER WIRING (not shown) (For components, refer to 9.12 Oil Cooler Wiring)
15	105445	2	• FITTING, Elbow 90° (12 JICM - 12 ORBM)
16	703284	1	• FITTING, Elbow 90° (12 JICM - 12 JICFSW)
17	112366	1	• FITTING, Elbow 90° (08 JICM - 12 ORBM)
18	162293	1	• PAD, Guide (5.00" x 2.00" x 0.625")
19	101297	2	• BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
20	103472	2	• WASHER, Flat (0.375")
21	144238	2	• NUT, Torque lock (0.375"-16 Grade C)
22	168619	1	• SHROUD, Upper
23	168622	1	• SHROUD, Lower
24	137625	62"	• SEAL, Bulb
25	101632	4	• BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
26	103472	4	• WASHER, Flat (0.375")
27	138981	1	• FITTING, Elbow 90° (10 JICM - 12 ORBM)

9.11 Hydraulic Hoses - Oil Cooler (No Generator)



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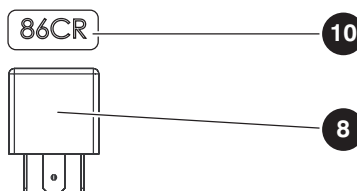
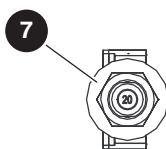
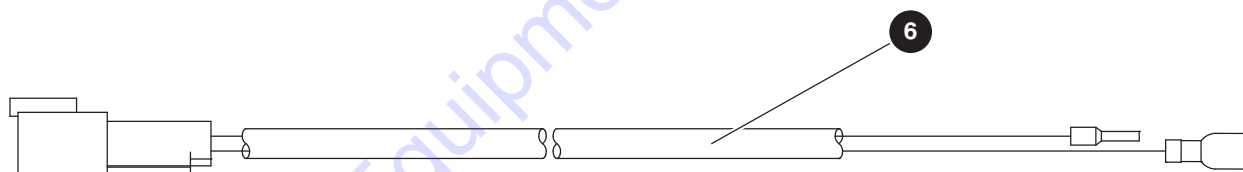
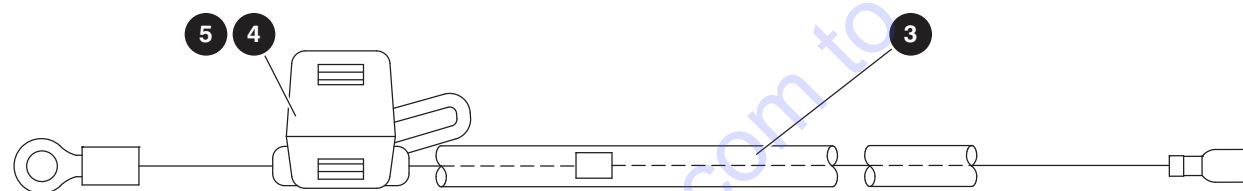
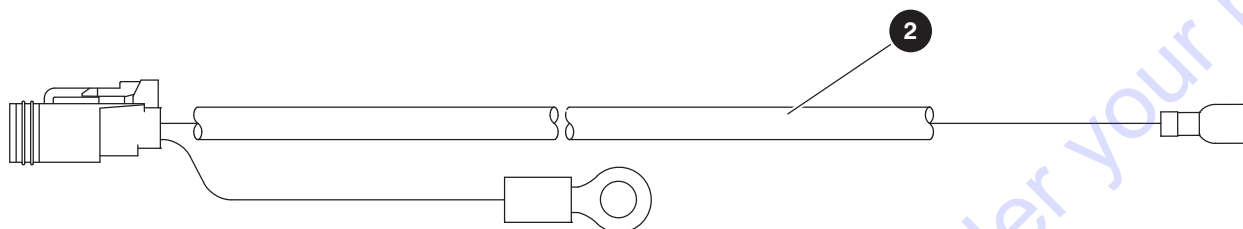
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9.11 Hydraulic Hoses - Oil Cooler (No Generator)

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	166743	OIL COOLER HOSE KIT			
1	H5412 0027 0	Oil Cooler	OUT	IN	Return Filter (Hydraulic Tank)
2	H5112 0067 0	Oil Cooler	IN	T1	Main Manifold
3	H5410 0039 0	Pressure Filter	IN	-	System Pump
4	H5108 0086 0	Pressure Filter	OUT	P	Main Manifold

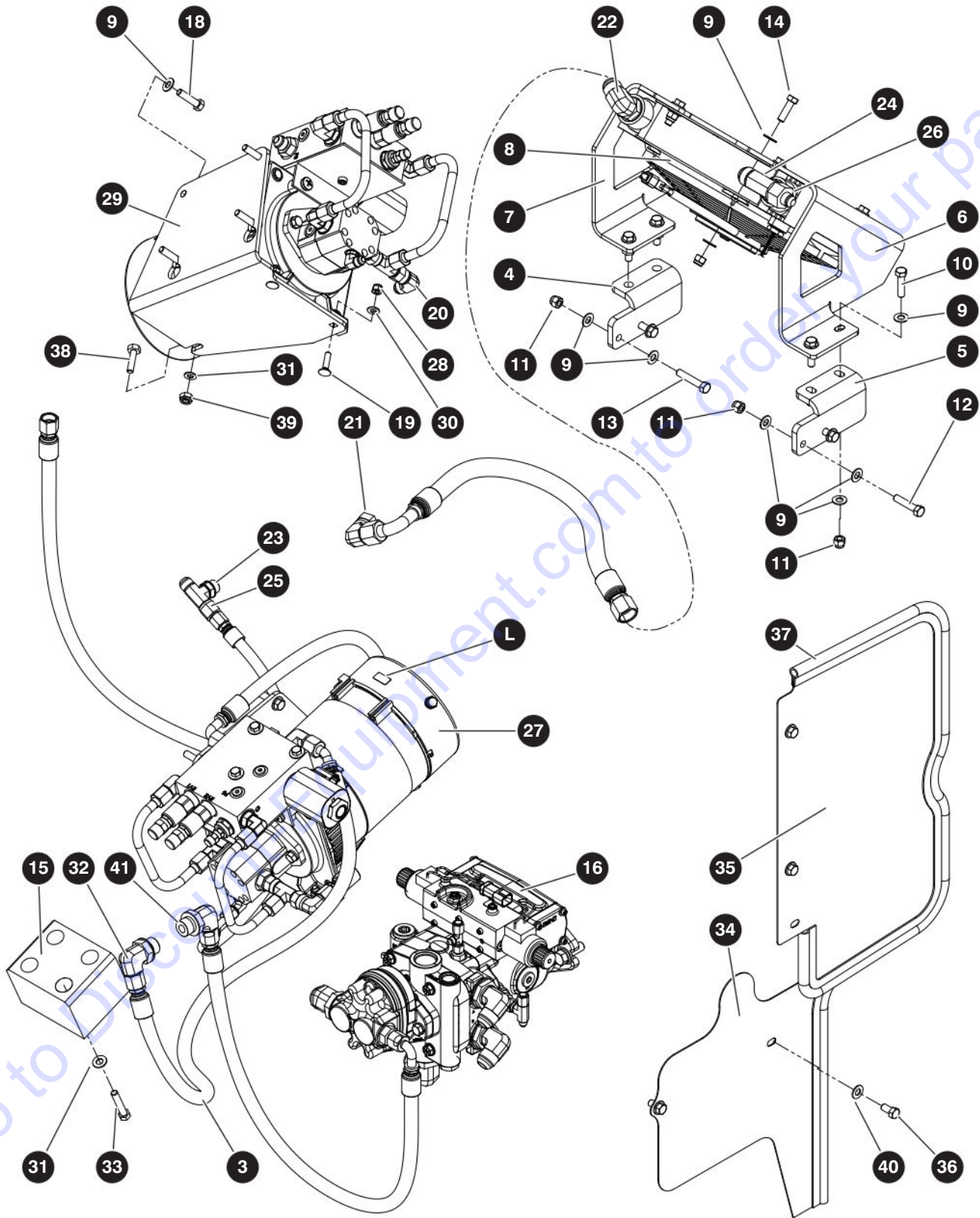
9.12 Oil Cooler Wiring



9.12 Oil Cooler Wiring

Index No.	Skyjack Part No.	Qty.	Description
-	231337	1	OIL COOLER WIRING
1	163087	1	• WIRE ASSEMBLY (Cooler relay)
2	152419	1	• HARNESS, Cooler fan
	117597	1	• • CONNECTOR, Plug (2-pin)
	117599	1	• • CONNECTOR, Plug wedge (2-pin)
	117593	2	• • CONNECTOR, Contact socket (14/16)
3	144074	1	• HARNESS, Oil cooler
4	121504	1	• • FUSE, 20 AMP
5	119293	1	• • FUSE Holder with cover
6	231338	1	• HARNESS, Cooler temperature sensor
	117596	1	• • CONNECTOR, Receptacle (2-pin)
	117598	1	• • CONNECTOR, Receptacle wedge (2-pin)
	117590	1	• • CONNECTOR, Contact pin (16/18)
7	117326	1	• BREAKER, Circuit (20 AMP)
8	931298	1	• RELAY, 12V (40AMP)
9	116266	1	• CONNECTOR, Strain relief
10	144193	1	• LABEL, Relay - cooler 86CR
11	235625	1	• WIRE, 02

9.13 Generator & Oil Cooler - 3.5kW



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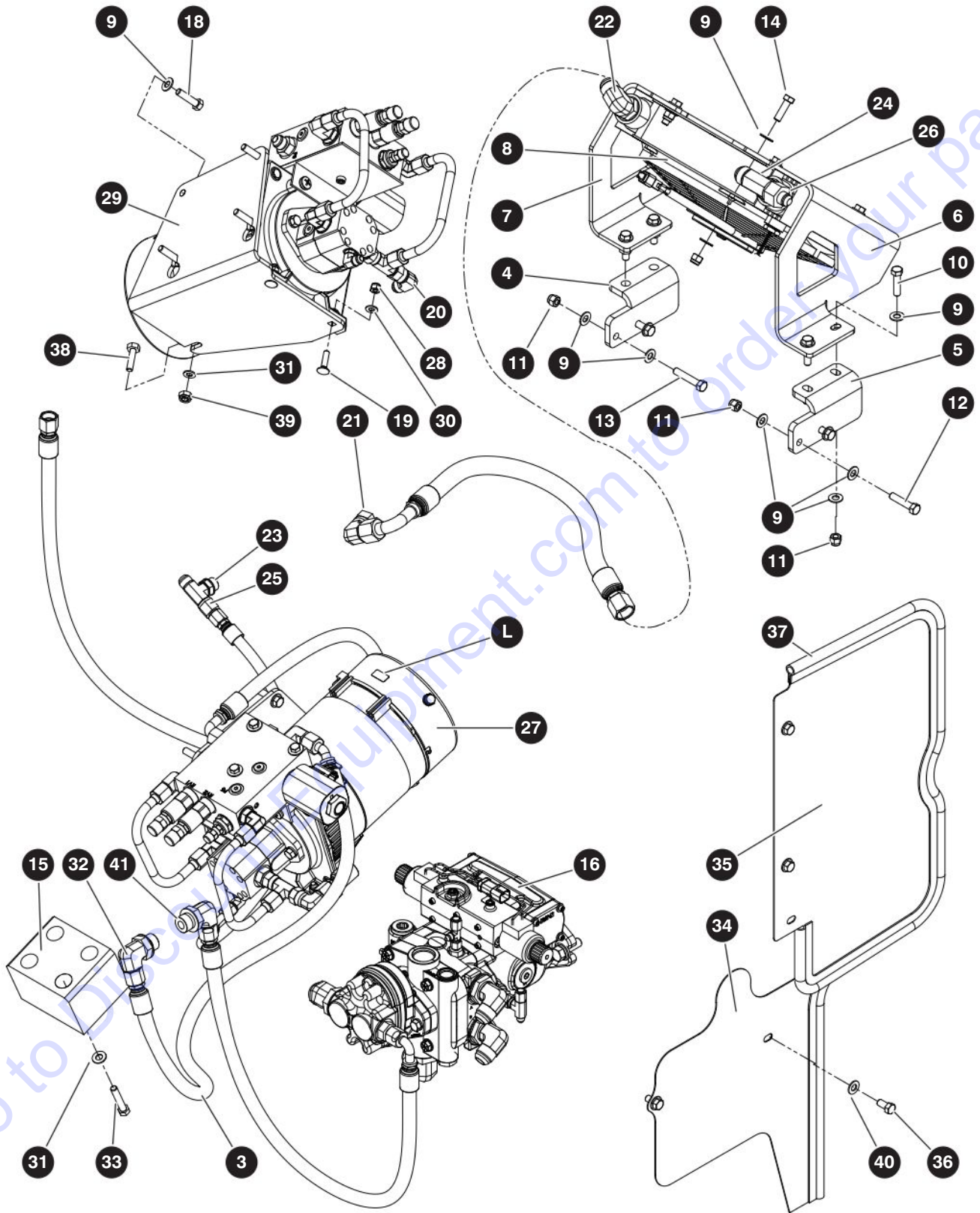
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9.13 Generator & Oil Cooler - 3.5kW

Index No.	Skyjack Part No.	Qty.	Description
-	218467	1	GENERATOR & OIL COOLER ASSEMBLY - 3.5kW
1	(Ref.)	1	<ul style="list-style-type: none"> OIL COOLER WIRING (not shown) (For components, refer to 9.12 Oil Cooler Wiring)
2	(Ref.)	1	<ul style="list-style-type: none"> GENERATOR WIRING - 3.5kW (not shown) (For components, refer to 9.16 Generator Wiring - 3.5kW)
3	(Ref.)	1	<ul style="list-style-type: none"> GENERATOR HOSE KIT (For components, refer to 9.15 Hydraulic Hoses - 3.5 kW Generator & Oil Cooler)
-	166736	1	<ul style="list-style-type: none"> OIL COOLER ASSEMBLY
4	162962	1	<ul style="list-style-type: none"> BRACKET, Mount
5	162967	1	<ul style="list-style-type: none"> BRACKET, Mount
6	162964	1	<ul style="list-style-type: none"> BRACKET, Oil cooler mount RH
7	162963	1	<ul style="list-style-type: none"> BRACKET, Oil cooler mount LH
8	160800	1	<ul style="list-style-type: none"> OIL COOLER, 12V DC
	169245	1	<ul style="list-style-type: none"> THERMOSTAT, Oil cooler
9	103472	26	<ul style="list-style-type: none"> WASHER, Flat (0.375")
0	103870	4	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
11	104606	12	<ul style="list-style-type: none"> NUT, Hex head nylon lock (0.375"-16 Grade 5)
12	103871	2	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 1.75" Grade 5)
13	103596	2	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 2.00" Grade 5)
14	101297	6	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
15	152593	1	<ul style="list-style-type: none"> PAD, Wear (5.00" X 4.00" X 3.329")
16	(Ref.)	1	<ul style="list-style-type: none"> DRIVE/SYSTEM PUMP (For components, refer to 7.7 Drive and System Pump)
17	(Ref.)	1	<ul style="list-style-type: none"> UPPER CONTRL BOX WIRING - 3.5kW generator (not shown) (For components, refer to 9.16 Generator Wiring - 3.5kW)
18	103870	4	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
19	106049	2	<ul style="list-style-type: none"> BOLT, Carriage (0.313"-18 x 1.25" Grade 5)
20	702856	1	<ul style="list-style-type: none"> FITTING, Elbow 90° (08 JICM - 08 JICFSW)
21	703284	1	<ul style="list-style-type: none"> FITTING, Elbow 90° (12 JICM - 12 JICFSW)
22	105445	1	<ul style="list-style-type: none"> FITTING, Elbow 90° (12 JICM - 12 ORBM)
23	135061	1	<ul style="list-style-type: none"> FITTING, Branch tee (08 JICM - 08 JICM - 08 ORBM)
24	707277	1	<ul style="list-style-type: none"> FITTING, Branch tee (12 JICM - 12 JICM - 12 ORBM)
25	110498	1	<ul style="list-style-type: none"> FITTING, Straight (08 JICM - 06 ORBM)
26	703412	1	<ul style="list-style-type: none"> FITTING, Straight (12 JICF - 08 JICM)
27	(Ref.)	1	<ul style="list-style-type: none"> GENERATOR (3.5kW - 60Hz AC) (For components, refer to 9.14 Generator - 3.5 kW)
28	103984	2	<ul style="list-style-type: none"> NUT, Hex head nylon lock (0.313"-18 Grade 5)
29	166735	1	<ul style="list-style-type: none"> PLATE, Generator mount
30	103996	2	<ul style="list-style-type: none"> WASHER, Flat (0.312")
31	103472	9	<ul style="list-style-type: none"> WASHER, Flat (0.375")
32	112366	1	<ul style="list-style-type: none"> FITTING, Elbow 90° (08 JICM - 12 ORBM)
33	103596	4	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 2.00" Grade 5)
34	168622	1	<ul style="list-style-type: none"> SHROUD, Generator - lower
35	168619	1	<ul style="list-style-type: none"> SHROUD, Generator - upper
36	101632	4	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
37	137625	62"	<ul style="list-style-type: none"> SEAL, Bulb

9.13 Generator & Oil Cooler - 3.5kW



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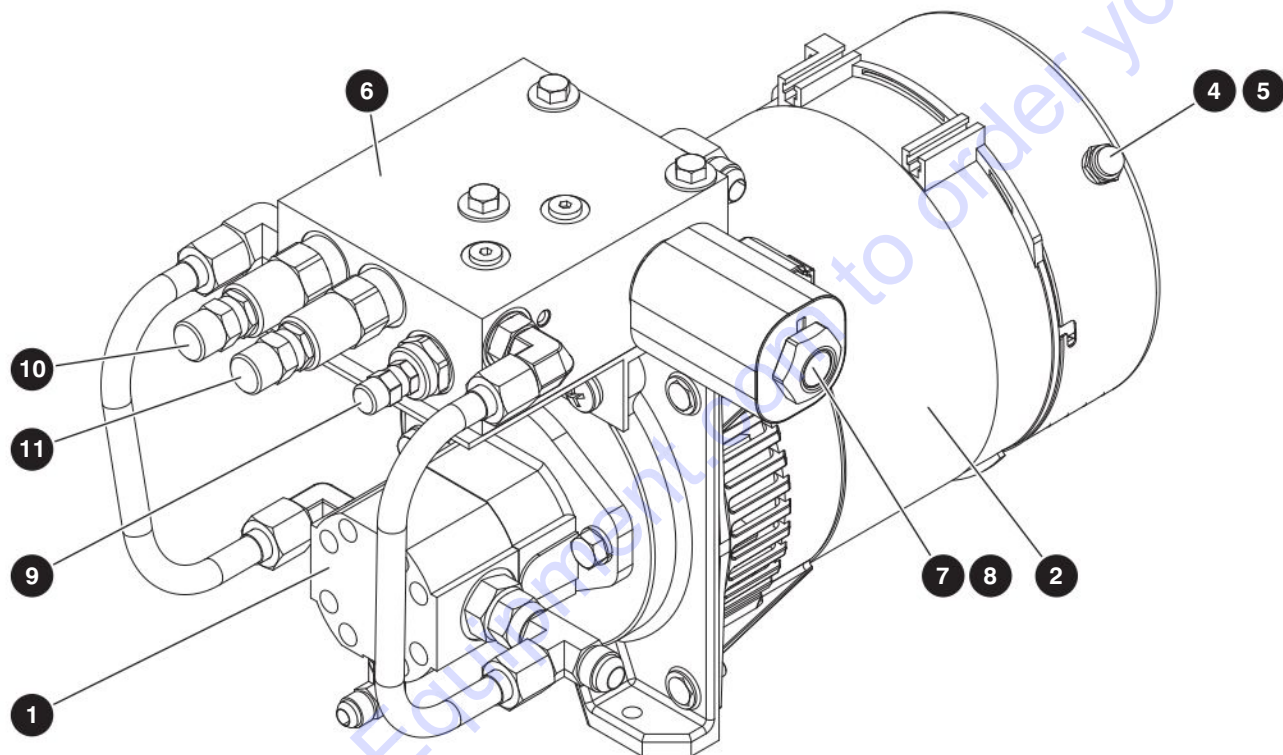
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9.13 Generator & Oil Cooler - 3.5kW

Index No.	Skyjack Part No.	Qty.	Description
38	136665	1	<ul style="list-style-type: none"> • BOLT, Hex head (M10 x 1.25 x 35mm Grade 8.8) • NUT, Hex head nylon lock (M10-1.25 Grade 8.8) • WASHER, Flat (0.375") • FITTING, Elbow 90° (08 JICM - 12 ORBM) • LABEL, Push to reset generator
39	144260	1	
40	103472	4	
41	138981	1	
L	117390	1	

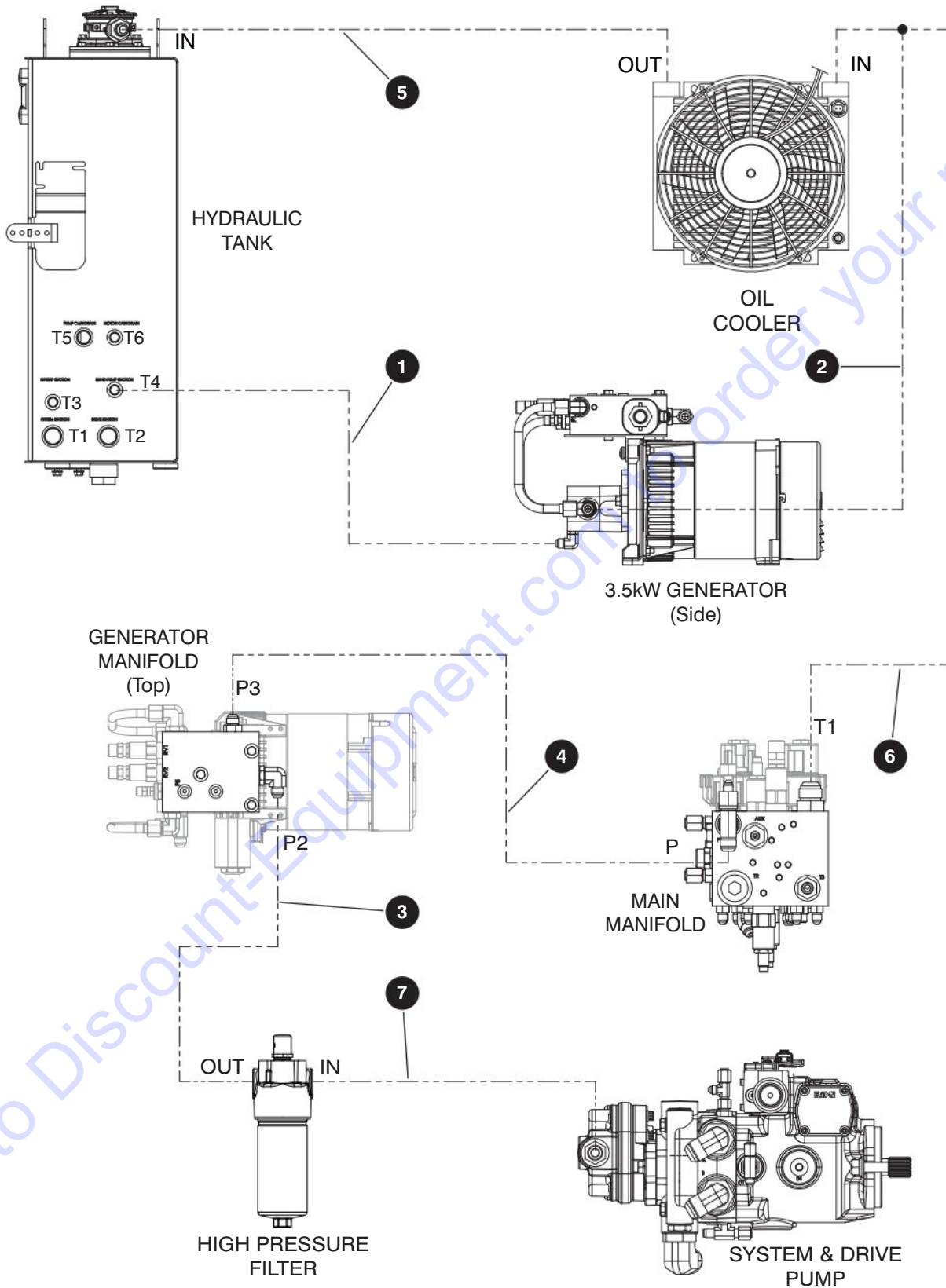
9.14 Generator - 3.5 kW



9.14 Generator - 3.5 kW

Index No.	Skyjack Part No.	Qty.	Description
-	195504	1	GENERATOR (3.5 kW - 60 Hz AC)
1	171419	1	• MOTOR, Hydraulic - 5 cc
2	197772	1	• ALTERNATOR, Generator - 60 Hz
3	197775	1	• CORD, GFI (not shown)
4	117325	1	• BREAKER, Circuit - 15 amp
5	162508	1	• BOOT, Circuit breaker
-	197765	1	• MANIFOLD, Generator - 3.5 kW
6	197768	1	• • BLOCK, Manifold
7	168448	1	• • VALVE, Solenoid
8	168450	1	• • COIL, Solenoid
9	169407	1	• • VALVE, Flow control
10	195600	1	• • VALVE, Relief (3250 psi)
11	195596	1	• • VALVE, Relief (400 psi)

9.15 Hydraulic Hoses - 3.5 kW Generator & Oil Cooler



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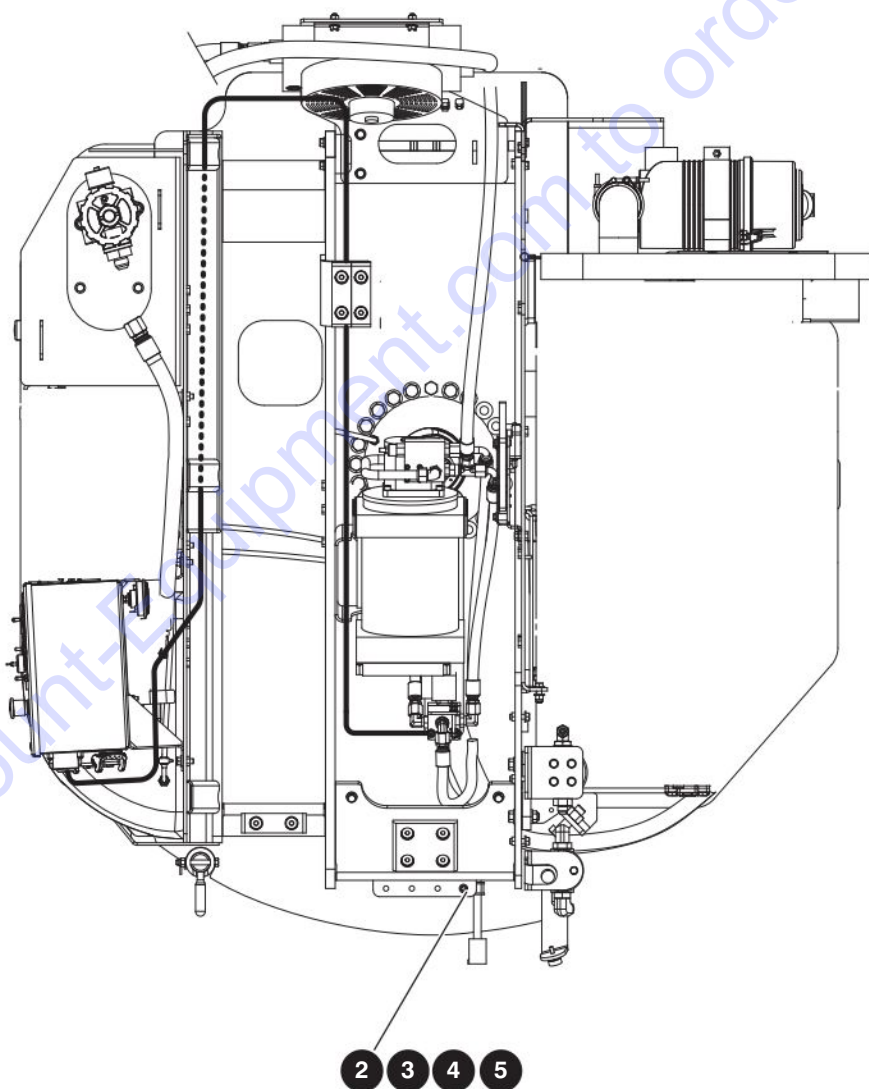
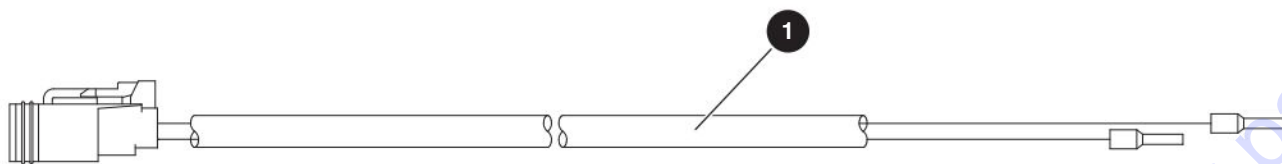
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9.15 Hydraulic Hoses - 3.5 kW Generator & Oil Cooler

Index No.	Hose P/N	From		To		
		Description	Port	Port	Description	
-	166734	3.5kW GENERATOR & OIL COOLER HOSE KIT				
1	H5406 0037 0	Generator (Case Drain)	-	T4	Hydraulic Tank	
2	H5408 0053 0	Oil Cooler	IN	-	Generator (Return)	
3	H5208 0050 0	Pressure Filter	OUT	P2	Generator Manifold (Pressure)	
4	H5408 0061 0	Generator Manifold (Auxiliary)	P3	P	Main Manifold	
5	H5412 0027 0	Oil Cooler	OUT	IN	Return Filter (Hydraulic Tank)	
6	H5112 0067 0	Oil Cooler	IN	T1	Main Manifold	
7	H5410 0039 0	Pressure Filter	IN	-	System Pump	

9.16 Generator Wiring - 3.5kW



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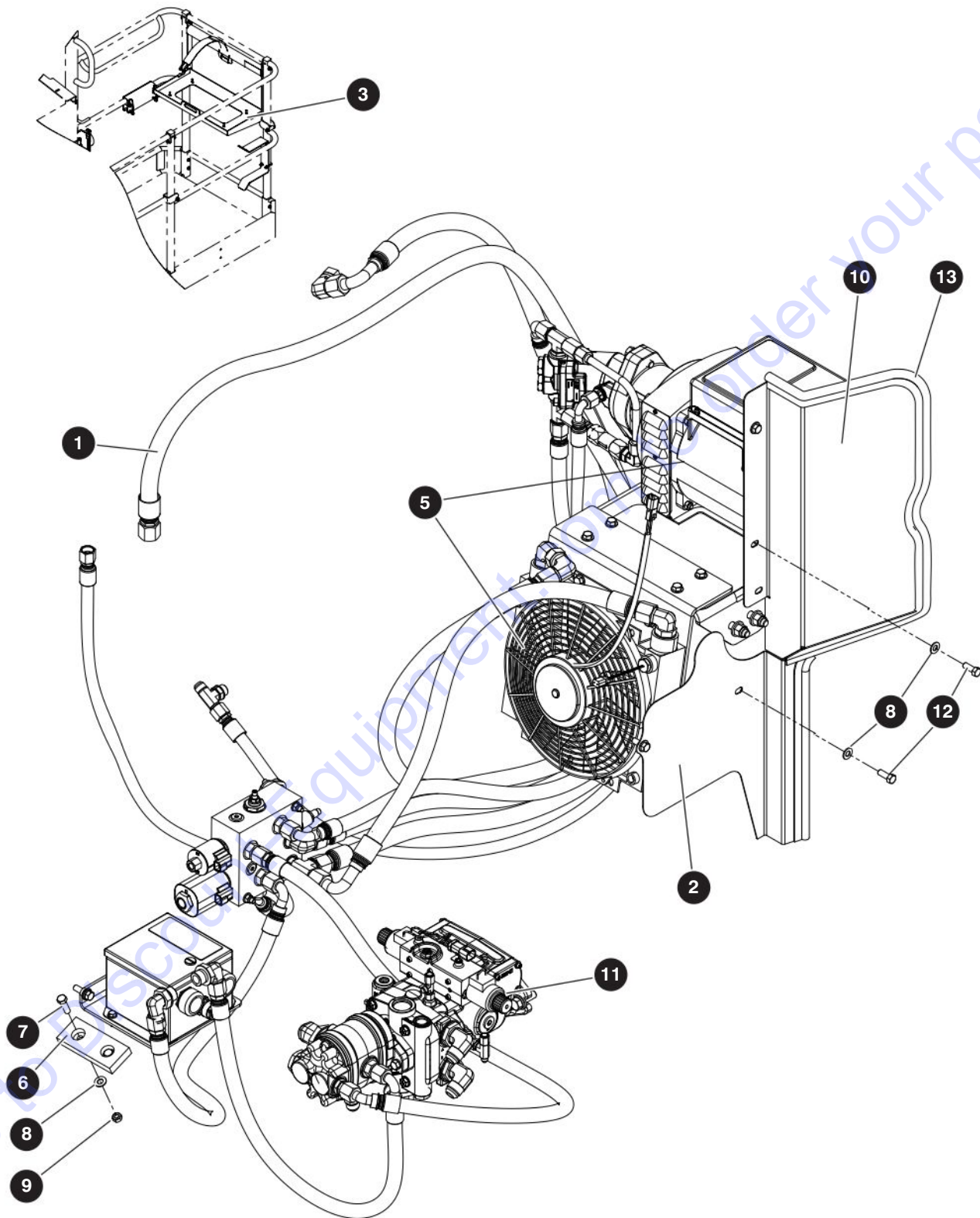
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9.16 Generator Wiring - 3.5kW

Index No.	Skyjack Part No.	Qty.	Description
-	231341	1	GENERATOR WIRE KIT - 3.5 kW
1	152582	1	• HARNESS, Generator valve
	117597	1	• • CONNECTOR, Plug (2-pin)
	117599	1	• • CONNECTOR, Plug wedge (2-pin)
	117591	2	• • CONNECTOR, Contact socket (16/18)
2	103024	1	• CLIP, Single (G8)
3	103857	1	• BOLT, Hex head cap (1/4"-20 X 1" Grade 5)
4	103995	1	• WASHER, Flat (1/4")
5	115649	1	• NUT, Hex lock (1/4"-20 Grade 5, nylon)

9.17 Generator & Oil Cooler Assembly - 12 kW



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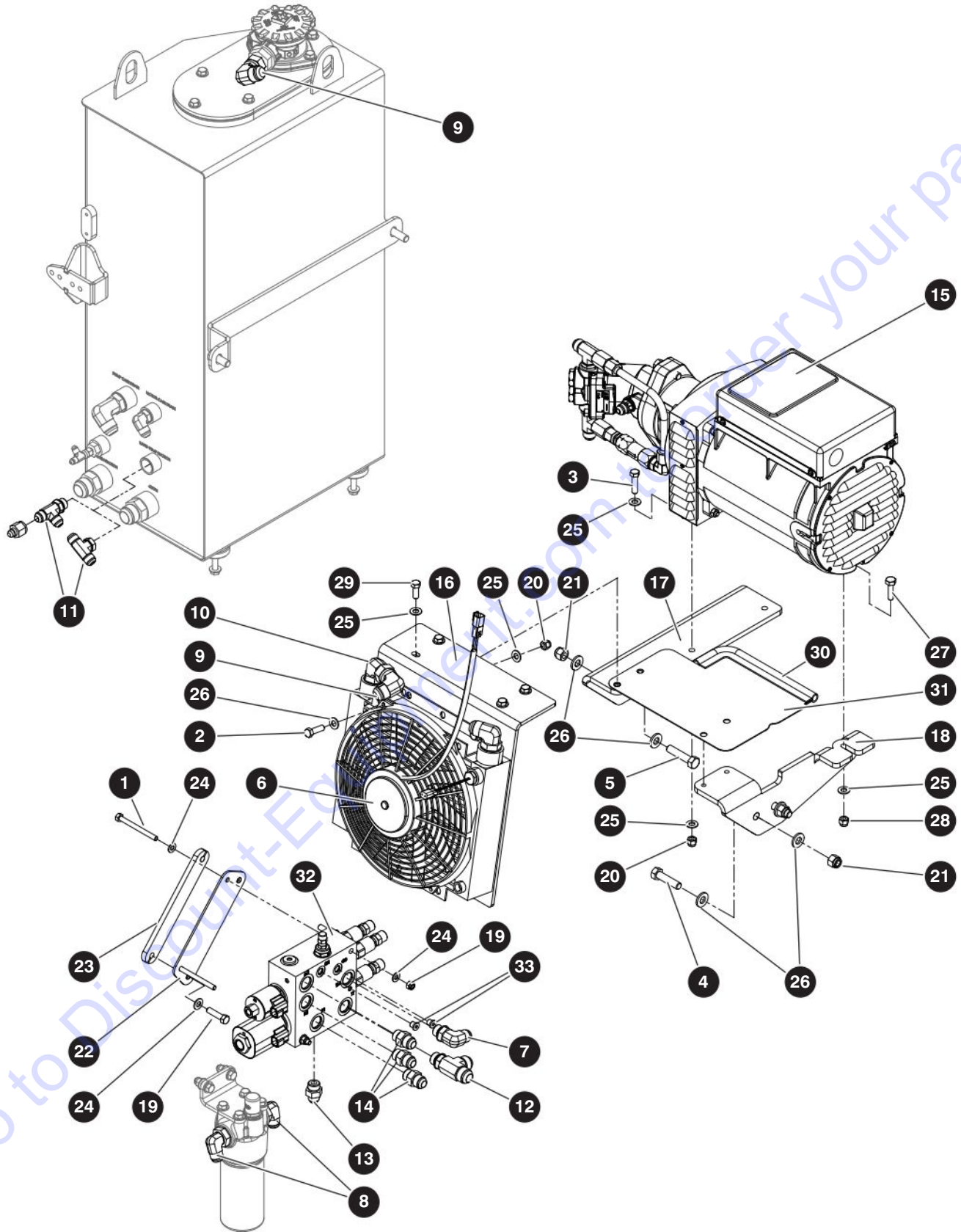
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9.17 Generator & Oil Cooler Assembly - 12 kW

Index No.	Skyjack Part No.	Qty.	Description
-	218468	1	12 KW GENERATOR ASSEMBLY - <i>with Welder Option</i>
1	(Ref.)	1	<ul style="list-style-type: none"> • HOSE KIT, 12kW Generator (For components, refer to 9.22 Hydraulic Hoses - 12 kW Generator & Oil Cooler)
2	(Ref.)	1	<ul style="list-style-type: none"> • PUMP ASSEMBLY (For components, refer to 7.8 Drive and System Pump with 12 kW Generator)
3	(Ref.)	1	<ul style="list-style-type: none"> • WELDER MOUNTING ASSEMBLY (For components, refer to 9.23 Welder & Mount)
4	(Ref.)	1	<ul style="list-style-type: none"> • WIRING ASSEMBLY - 12kW Generator (not shown) (For components, refer to 9.12 Oil Cooler Wiring) (For components, refer to 9.22 Generator Wiring - 12 kW)
5	(Ref.)	1	<ul style="list-style-type: none"> • GENERATOR AND OIL COOLER ASSEMBLY - 12kW (For components, refer to 9.18 Generator & Oil Cooler - 12 kW)
6	162293	1	<ul style="list-style-type: none"> • PAD, Guide (5.00" x 2.00" x 0.625")
7	101297	2	<ul style="list-style-type: none"> • BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
8	103472	6	<ul style="list-style-type: none"> • WASHER, Flat (0.375")
9	144238	2	<ul style="list-style-type: none"> • NUT, Torque lock (3/8"-16 Grade C)
10	168616	1	<ul style="list-style-type: none"> • SHROUD, Generator - upper
11	168617	1	<ul style="list-style-type: none"> • SHROUD, Generator - lower
12	103473	4	<ul style="list-style-type: none"> • BOLT, Hex head (0.375-16" x 1.00" Grade 5)
13	137625	58"	<ul style="list-style-type: none"> • SEAL, Bulb

9.18 Generator & Oil Cooler - 12 kW



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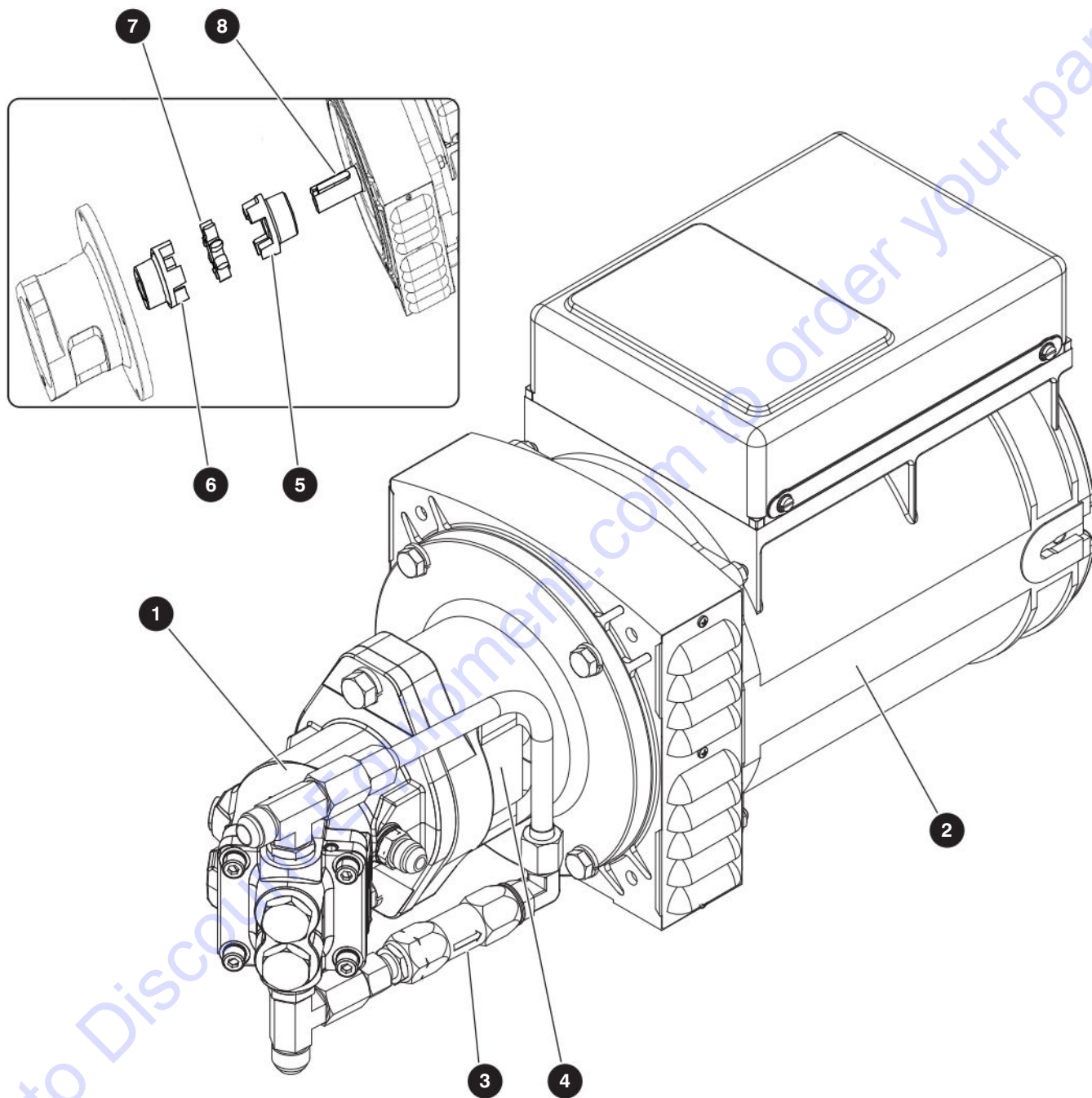
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9.18 Generator & Oil Cooler - 12 kW

Index No.	Skyjack Part No.	Qty.	Description
-	166842	1	12 kW GENERATOR AND OIL COOLER
1	103868	2	• BOLT, Hex head (0.312"-18 x 3.50" Grade 5)
2	101297	4	• BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
3	103870	4	• BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
4	139007	2	• BOLT, Hex head (0.50"-13 x 2.00" Grade 8)
5	106447	2	• BOLT, Hex head (0.50"-13 x 2.25" Grade 8)
6	160800	1	• COOLER, Hydraulic oil 12VDC
7	135091	1	• FITTING, Elbow 90° (10 JICM - 10 ORBM)
8	138981	2	• FITTING, Elbow 90° (10 JICM - 12 ORBM)
9	703284	2	• FITTING, Elbow 90° (12 JICM -12 JICFSW)
10	105445	2	• FITTING, Elbow 90° (12 JICM - 12 ORBM)
11	135061	1	• FITTING, Branch Tee (08 JICM - 08 JICM - 08 ORBM)
12	166843	1	• FITTING, Run Tee (12 JICM - 10 ORBM - 12 JICM)
13	103071	1	• FITTING, Straight (08 JICM - 10 ORBM)
14	137630	3	• FITTING, Straight (10 JICM - 10 ORBM)
15	(Ref.)	1	• GENERATOR, Hydraulic (For components, refer to 9.19 Generator - 12 kW)
16	166788	1	• MOUNT, Cooler angle
17	166789	1	• MOUNT, Generator LH
18	166787	1	• MOUNT, Generator RH
19	103984	2	• NUT, Hex head nylon lock (0.313"-18 Grade 5)
20	104606	6	• NUT, Hex head nylon lock (0.375"-16 Grade 5)
21	702507	4	• NUT, Hex head nylon lock (0.500"-13 Grade 5)
22	166797	1	• PLATE, Manifold mount
23	166796	1	• PLATE, Manifold spacer
24	103996	4	• WASHER, Flat (0.312")
25	103472	19	• WASHER, Flat (0.375")
26	104379	8	• WASHER, Flat hardened (0.5")
27	136665	1	• BOLT, Hex head (M10 x 1.25 x 35mm Grade 8.8)
28	144260	1	• NUT, Hex head nylon lock (M10-1.25 Grade 8.8)
29	103473	4	• BOLT, Hex head (0.375"-16 x 1.00 Grade 5)
30	137625	11"	• SEAL, Bulb
31	169141	1	• COVER, Cooler
32	169526	1	• MANIFOLD, Welder generator (For components, refer to 9.20 Generator Manifold - 12 kW)
33	121250	3	• FITTING, Plug hollow hex (04 ORBM)

9.19 Generator - 12 kW



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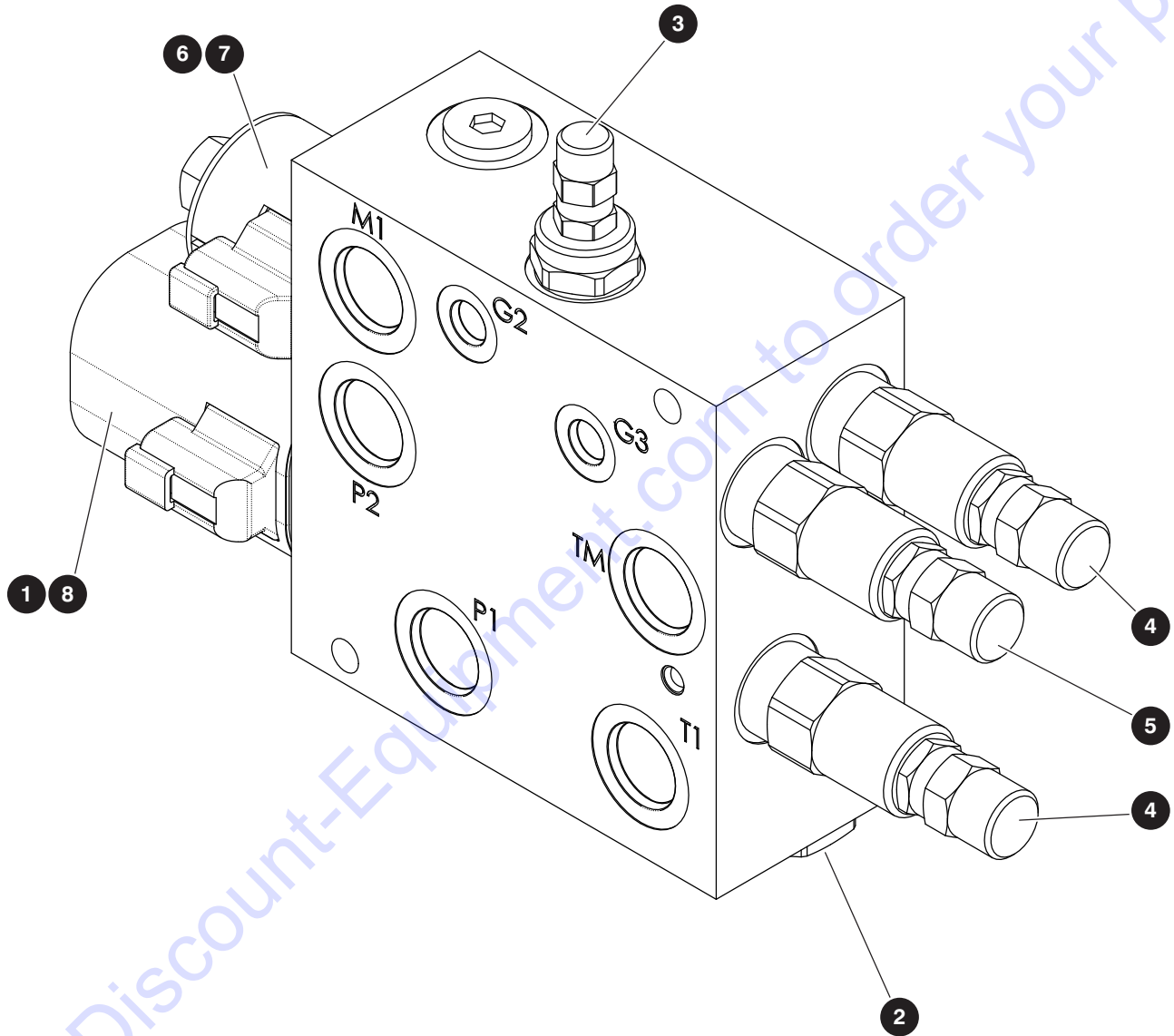
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9.19 Generator - 12 kW

Index No.	Skyjack Part No.	Qty.	Description
-	166844	1	GENERATOR, Hydraulic, 12KVA, 11cc
1	195467	1	• MOTOR, Hydraulic - 12 cc
2	197774	1	• ALTERNATOR, Generator - 60 Hz
3	197771	1	• VALVE, Check
4	197778	2	• COVER, Mount
5	197779	1	• COUPLING, Alternator
6	197780	1	• COUPLING, Motor
7	197781	1	• INSERT, Coupling
8	197782	1	• KEY, Alternator drive

9.20 Generator Manifold - 12 kW



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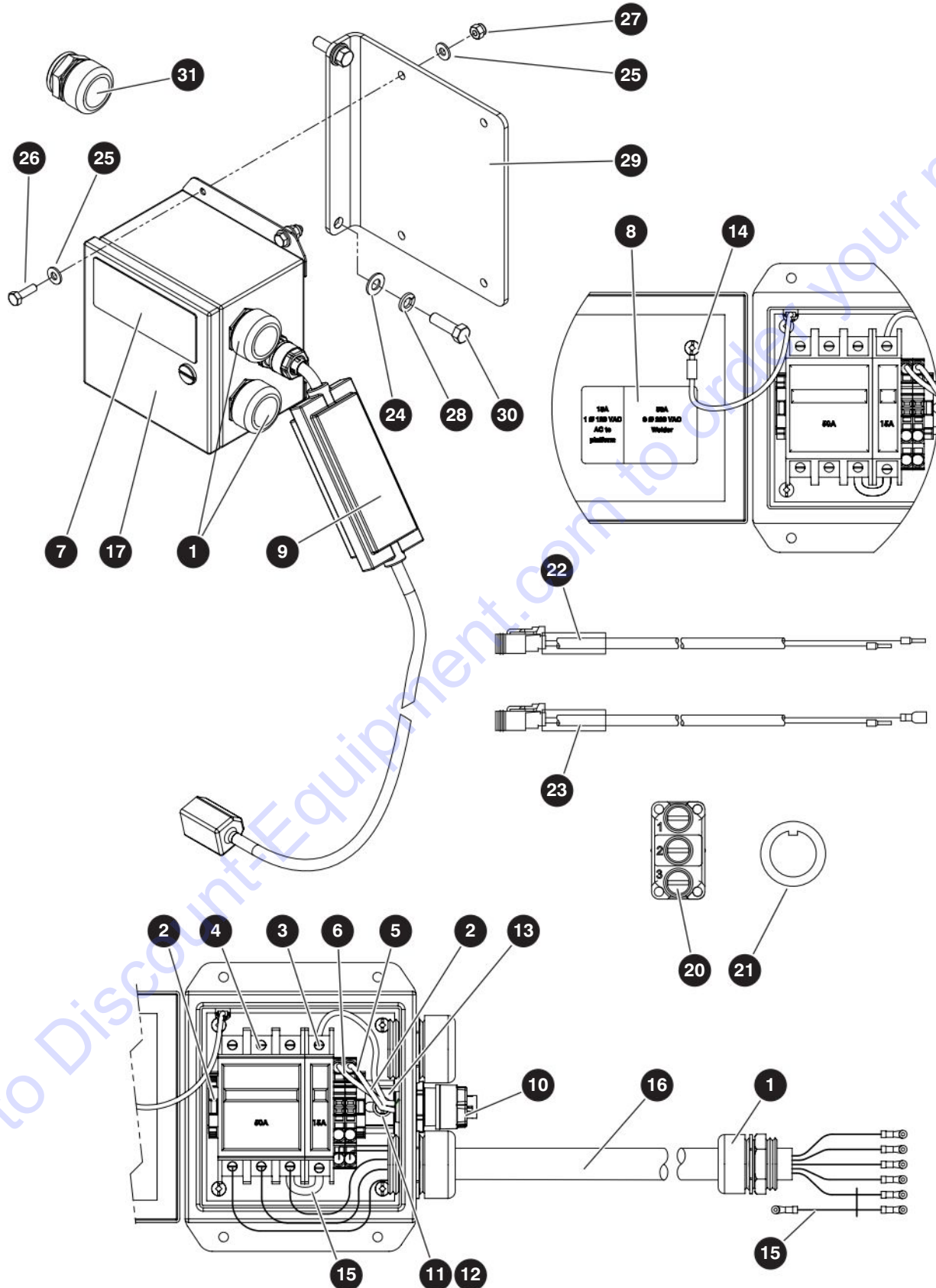
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9.20 Generator Manifold - 12 kW

Index No.	Skyjack Part No.	Qty.	Description
-	169526	1	MANIFOLD, Generator - 12 kW
1	168448	1	<ul style="list-style-type: none"> • VALVE, Spool
2	168059	1	<ul style="list-style-type: none"> • VALVE, Check
3	169407	1	<ul style="list-style-type: none"> • VALVE, Flow control
4	169408	2	<ul style="list-style-type: none"> • VALVE, Relief
5	169409	1	<ul style="list-style-type: none"> • VALVE, Relief
6	224570	1	<ul style="list-style-type: none"> • VALVE, Solenoid poppet
7	212554	1	<ul style="list-style-type: none"> • COIL, Solenoid "ER" (size 10, 12 VDC)
8	212470	1	<ul style="list-style-type: none"> • COIL, Solenoid "ER" (size 12, 12 VDC)

9.21 Circuit Breaker & Wiring - 12 kW Generator



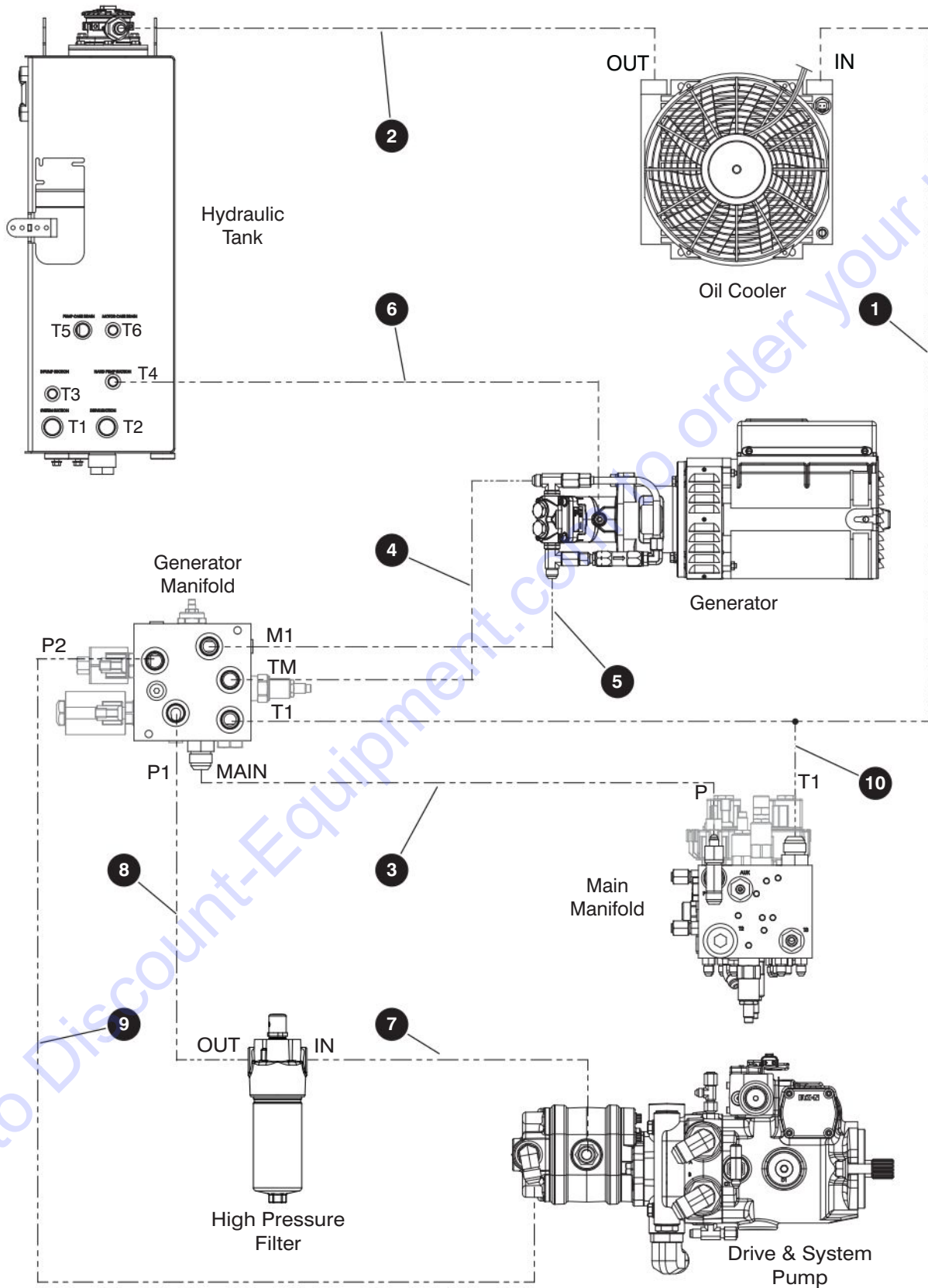
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9.21 Circuit Breaker & Wiring - 12 kW Generator

Index No.	Skyjack Part No.	Qty.	Description
-	231339	1	GENERATOR ELECTRICAL ASSEMBLY - 12kW
-	167376	1	• CIRCUIT BREAKER BOX ASSEMBLY
1	702613	2	• • CONNECTOR, Strain relief 1-18" straight
2	707147	2	• • STOP, End
3	141630	1	• • CIRCUIT BREAKER, 15A 1 pole
4	141631	1	• • CIRCUIT BREAKER, 50A 3 pole
5	144184	1	• • TERMINAL BLOCK, 3 cond 8 AWG ground
6	144185	1	• • TERMINAL BLOCK, 3 cond 8 AWG through
7	141692	1	• • LABEL, Hazardous voltage
8	141704	1	• • LABEL, 50A Welder
9	144177	1	• • CABLE ASSEMBLY, 110V, generator
10	103041	1	• • CONNECTOR, Strain relief (blue)
11	104694	2	• • WASHER, Flat (#10)
12	155545	4	• • SCREW, Round head machine (#10-32 x 0.375")
13	163666	1	• • RAIL, Din
14	144176	1	• • WIRE ASSEMBLY, Ground
15	144178	2	• • WIRE SET, Jumper, generator
16	167427	1	• • CABLE ASSEMBLY, Generator to control box
17	163665	1	• • ENCLOSURE, Electrical
18	163660	1	• CABLE, Welder
19	(Ref.)	1	• OIL COOLER WIRING (For components, refer to 9.12 Oil Cooler Wiring)
-	198382	1	• TOGGLE SWITCH, Platform control box
20	115747	1	• • SWITCH, Toggle (1NT1-3)
21	144016	1	• • SEAL, Panel bushing
-	236109	1	• 12kW GENERATOR WIRING
22	163093	1	• • HARNESS, Generator valve - 02
	117597	1	• • • PLUG, Connector 2-pin
	117599	1	• • • WEDGE, Connector plug 2-pin
	117591	2	• • • SOCKET, Connector contact
23	236109	1	• • HARNESS, Generator valve - 85B
	117597	1	• • • PLUG, Connector 2-pin
	117599	1	• • • WEDGE, Connector plug 2-pin
	117591	2	• • • SOCKET, Connector contact
24	103472	2	• WASHER, Flat (0.375")
25	103995	8	• WASHER, Flat (0.25")
26	103891	4	• BOLT, Hex head (0.25"-20 x 0.875" Grade 5)
27	115649	4	• NUT, Hex head nylon lock (0.25"-20 Grade 5)
28	103999	2	• WASHER, Lock (0.375")
29	167324	1	• BRACKET, Breaker mount
30	117430	2	• BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
31	702613	1	• CONNECTOR, Strain relief (1-18" straight)

9.22 Hydraulic Hoses - 12 kW Generator & Oil Cooler



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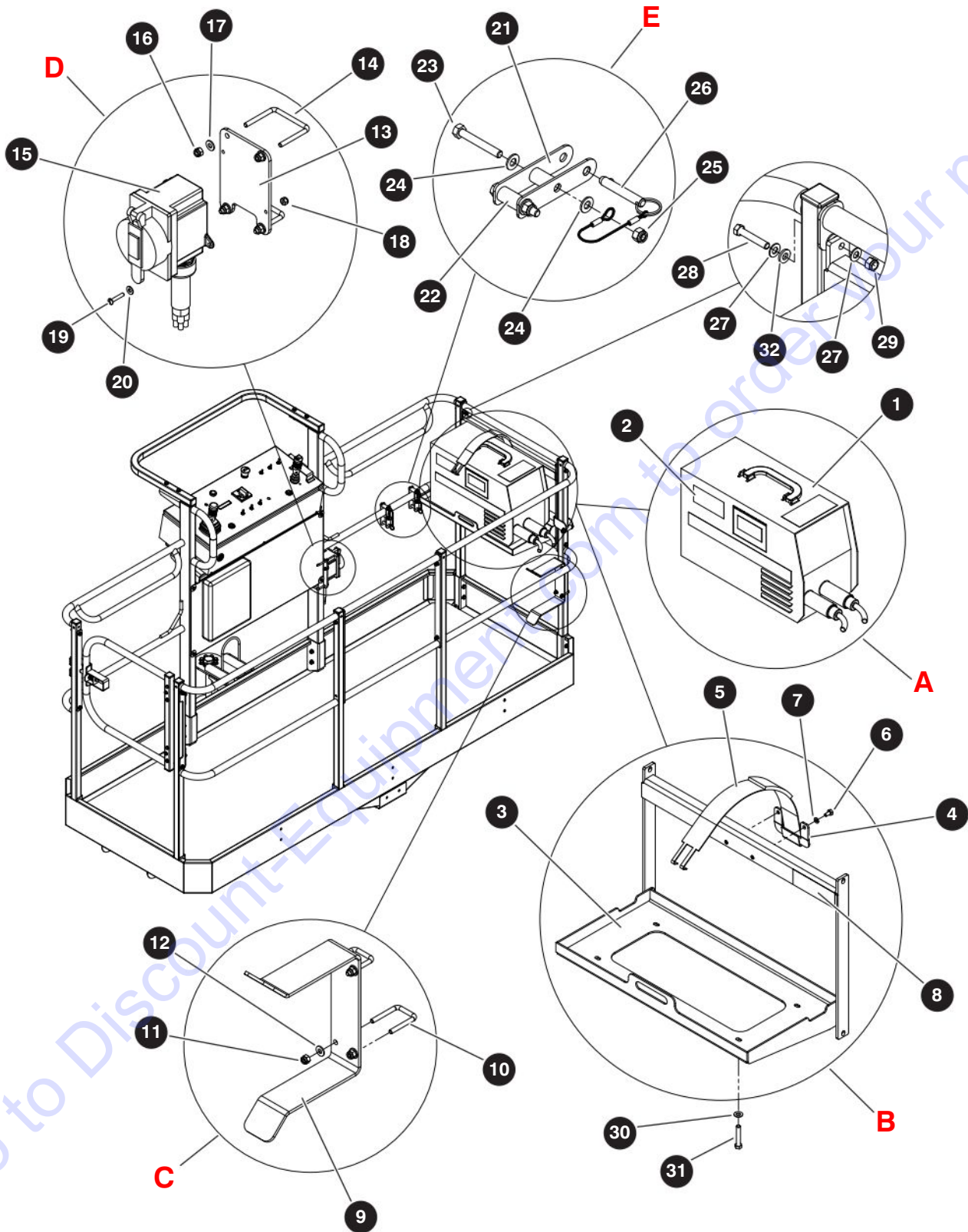
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9.22 Hydraulic Hoses - 12 kW Generator & Oil Cooler

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	166799	12 kW GENERATOR & OIL COOLER HOSE KIT			
1	H5412 0036 0	Generator Manifold	T1	IN	Oil Cooler
2	H5412 0096 0	Return Filter	-	OUT	Oil Cooler
3	H5112 0115 0	Generator Manifold	MAIN	P	Main Manifold
4	H5410 0066 0	Generator Manifold	TM	-	Generator (Return)
5	H5410 0062 0	Generator Manifold	M1	-	Generator (Pressure)
6	H5408 0061 0	Hydraulic Tank	T4	-	Generator (Case Drain)
7	H5410 0039 0	System Pump	-	IN	Pressure Filter
8	H5410 0045 0	Generator Manifold	P1	OUT	Pressure Filter
9	H5110 0053 0	Generator Manifold	P2	-	System Pump
10	H5208 0046 0	Generator Manifold	T1	T1	Main Manifold

9.23 Welder & Mount



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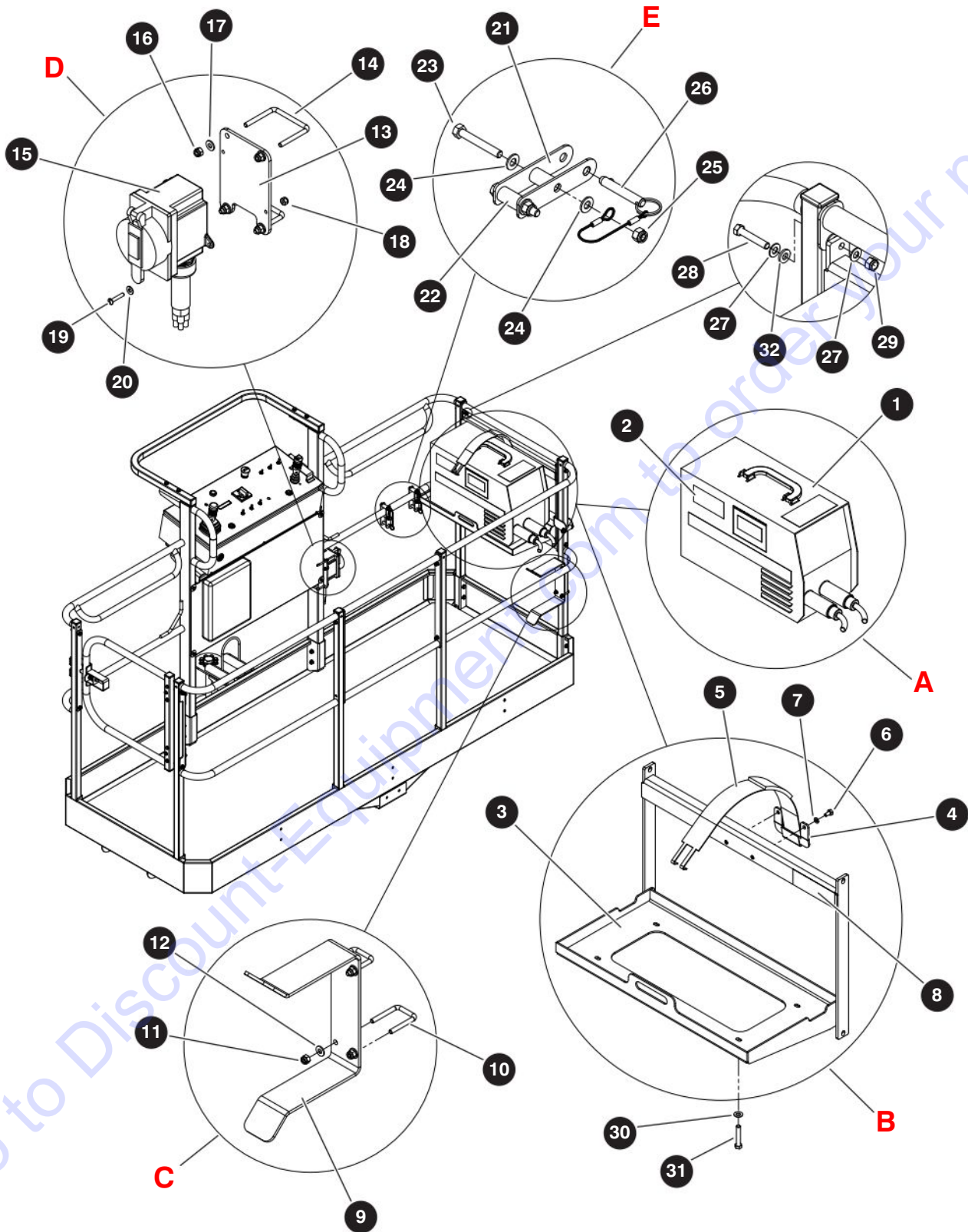
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9.23 Welder & Mount

Index No.	Skyjack Part No.	Qty.	Description
A 1	148383	1	WELDER ASSEMBLY - 12 kW generator
	138811	1	• WELDER (275A)
	138813	1	• CABLE, Electrode (14')
	144376	1	• • ELECTRODE HOLDER (400A)
	144573	168"	• • CABLE
	138814	1	• CABLE, Work (14')
	144377	1	• • GROUND CLAMP (400A)
	144573	168"	• • CABLE
	144374	1	• PLUG, Locking (50A / 250V / 3P)
	144603	2	• CLAMP, Cushioned loop (0.875" diameter)
2	147112	1	• LABEL, Welder weight (90 lbs)
-	159917	1	MOUNTING ASSEMBLY, 12kW Welder
B 3 4 5 6 7 8	159948	1	• WELDER TRAY ASSEMBLY
	159955	1	• • TRAY, Welder
	137814	1	• • PLATE, Strap
	103020	1	• • STRAPS (pair)
	103855	2	• • BOLT, Hex head (1/4"-20 x 0.50", Grade 5)
	104000	2	• • WASHER, Lock (1/4")
	147112	1	• • LABEL, Welder weight (90 lbs)
	C 9 10 11 12	144218	1
144220		1	• • BRACKET, Welding cables
144219		2	• • U BOLT, Welder bracket
115649		4	• • NUT, Hex lock (1/4"-20 Grade 5, nylon)
103995		4	• • WASHER, Flat (1/4")
D 13 14 15 16 17 18 19 20	144221	1	• RECEPTACLE ASSEMBLY
	144222	1	• • PLATE, Receptacle mounting
	144223	2	• • U BOLT, Receptacle mounting
	141614	1	• • ELECTRICAL COMPONENTS ASSEMBLY
	139835	1	• • • FD BOX, 50A Receptacle
	139832	1	• • • RECEPTACLE, Single locking
	139836	1	• • • COVER, Weather resistant
	144367	1	• • • STRAIN RELIEF, 1-18" straight
	115649	4	• • NUT, Hex lock (1/4"-20 Grade 5, nylon)
	103995	4	• • WASHER, Flat (1/4")
	300450	2	• • NUT, Hex lock (#10-32 Grade 5, nylon)
	105621	2	• • SCREW, Round head machine (#10-32 x 1")
104694	2	• • WASHER, Flat (#10)	

9.23 Welder & Mount



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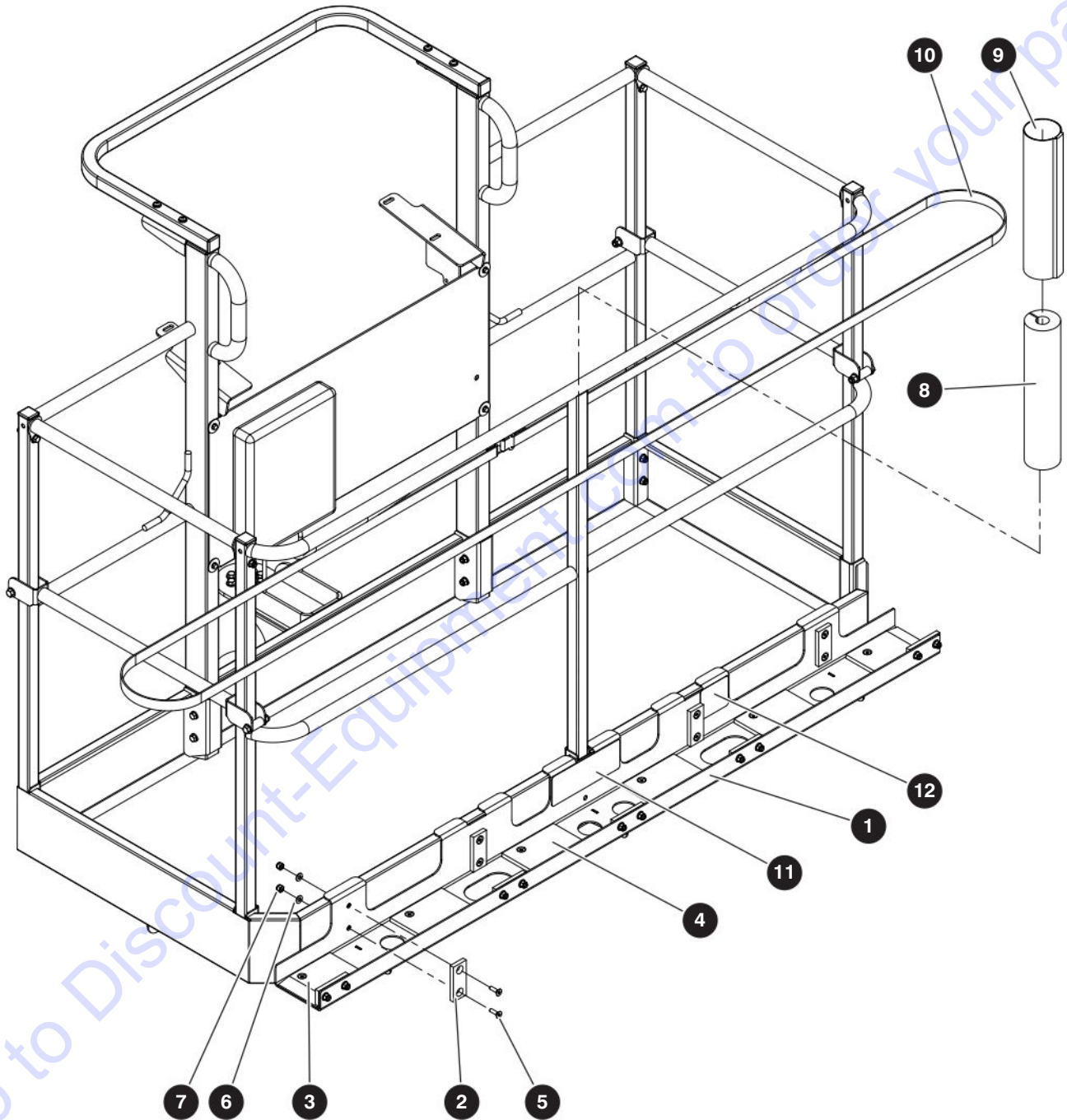
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9.23 Welder & Mount

Index No.	Skyjack Part No.	Qty.	Description
E	168530	2	• HANGER ASSEMBLY
21	169160	2	• • BRACKET, Welder cable
22	159947	2	• • SPACER, Welder tray
23	103866	2	• • BOLT, Hex head (5/16"-18 x 2 1/4 Grade 5)
24	103996	4	• • WASHER, Flat (5/16")
25	103984	2	• • NUT, Hex lock nylon lock (5/16"-18 Grade 5)
26	124548	1	• • PIN, Quick release
27	103996	8	• WASHER, Flat (5/16")
28	103884	4	• BOLT, Hex head (5/16"-18 x 2.50", Grade 5)
29	103984	4	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
30	103995	4	• WASHER, Flat (1/4")
31	103857	4	• BOLT, Hex head (1/4"-20 x 1.00" Grade 5)
32	159960	2	• SPACER, Nylon (0.403" ID x 0.75" OD, x 0.312" long) (drop bar entrance)
	168336	2	• SPACER, Nylon (0.394" ID x 0.75" OD, x 0.125" long)

9.24 Glazier Tray



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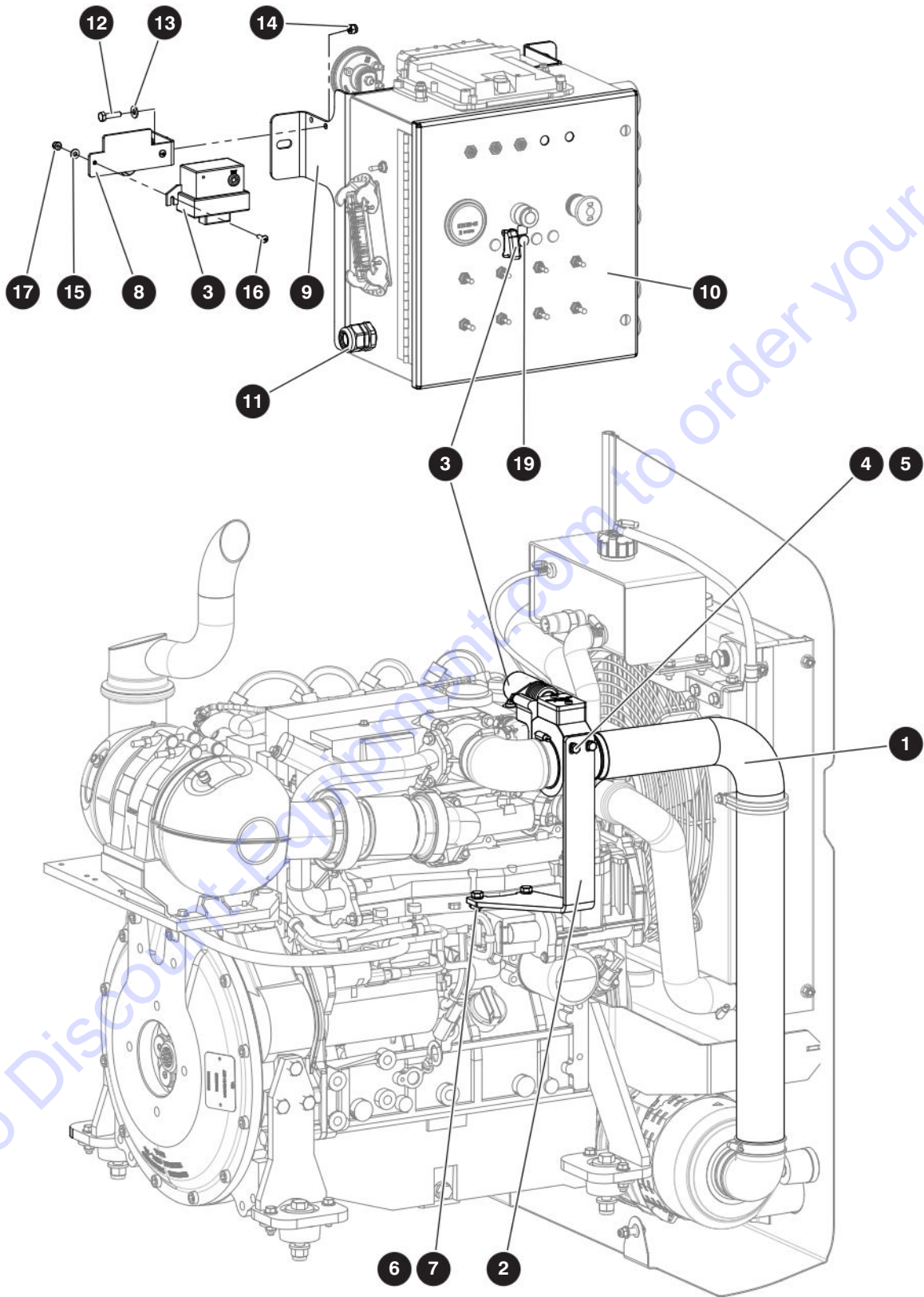
9.24 Glazier Tray

Index No.	Skyjack Part No.	Qty.	Description
-	169156	1	GLAZIER FIELD KIT
-	169157	1	• GLAZIER PACKAGE ASSEMBLY
-	169158	1	• • GLAZIER TRAY ASSEMBLY
1	154402	1	• • • TRAY WELDMENT, Glazier
2	154401	9	• • • PAD, Side tray
3	154399	2	• • • PAD, End tray
4	154400	4	• • • PAD, In tray
5	162116	30	• • • BOLT, Flat head cap screw (5/16"-18 x 1.00", Grade 5)
6	103996	30	• • • WASHER, Flat (5/16")
7	103984	30	• • • NUT, Hex head nylon lock (5/16-18, Grade 5)
8	144491	1	• • FOAM, Support
9	144604	1	• • COVER, Bumper
10	144613	1	• • STRAP, Glazier kit
11	172630	1	• • LABEL, Panel cradle capacity
12	171238	1	• • LABEL, Panel option weight
13	162026	1	• INSTRUCTION, Glazier package operation and installation (not shown)

9.25 Control Box Cover

Index No.	Skyjack Part No.	Qty.	Description
-	216918	1	CONTROL BOX COVER
-	216917	1	• COVER ASSEMBLY, Control box
1	216919	1	• • COVER, Control box
2	104698	2	• • SCREW, Round machine (#10-32 x 1")
3	300450	2	• • NUT, Hex lock (#10-32 Grade 5, nylon)
4	104694	2	• • WASHER, Flat (#10)
5	154305	2	• • BUSHING, Flanged (0.25" ID x 0.1875")
6	137653	1	• • HANDLE, Pull
7	144015	2	• • MOUNT, Anti-vibration
8	115649	2	• • NUT, Hex lock (0.25"-20 Grade 5, nylon)
9	103995	2	• • WASHER, Flat (0.25")
10	103996	2	• WASHER, Flat (0.3125")
11	103858	2	• BOLT, Hex head (0.25"-20 x 1.25" Grade 5)
12	159960	4	• SPACER, (0.75" OD)
13	103995	16	• WASHER, Flat (0.25")
14	115649	10	• NUT, Hex lock (0.25"-20 Grade 5, nylon)
15	139168	8	• SCREW, Button head cap (0.25"-20 x 0.75")
16	159956	4	• WASHER, Rubber (0.25")
17	103891	2	• BOLT, Hex head (0.25"-20 x 0.875" Grade 5)
18	103984	2	• NUT, Hex lock (0.3125"-18 Grade 5, nylon)
19	154323	1	• BRACKET, Gas spring
20	162101	1	• GAS SPRING, Control box cover
21	162048	1	• PLATE, Right side cover
22	216921	1	• PLATE, Back cover
23	162049	1	• PLATE, Left side cover
24	162123	2	• STUD, Ball (10 mm x 0.54")
25	300450	4	• NUT, Hex head nylon lock (10-32, Grade 5)
26	104694	4	• WASHER, Flat (10)
27	104698	4	• SCREW, Round head machine (10-32 x 0.75")
28	216675	1	• HASP, Double hinge (3.25")
29	168336	3	• SPACER, Nylon (0.394" ID x 0.75" OD x 0.125" long)
30	124031	3	• SCREW, Flat head (10-32 x 0.50")
31	104185	3	• WASHER, Lock (10)
32	104003	3	• NUT, Hex (10-32)
33	162032	1	• INSTRUCTION, Control box cover installation (not shown)

9.26 Positive Air Shutoff - Deutz D2.9L



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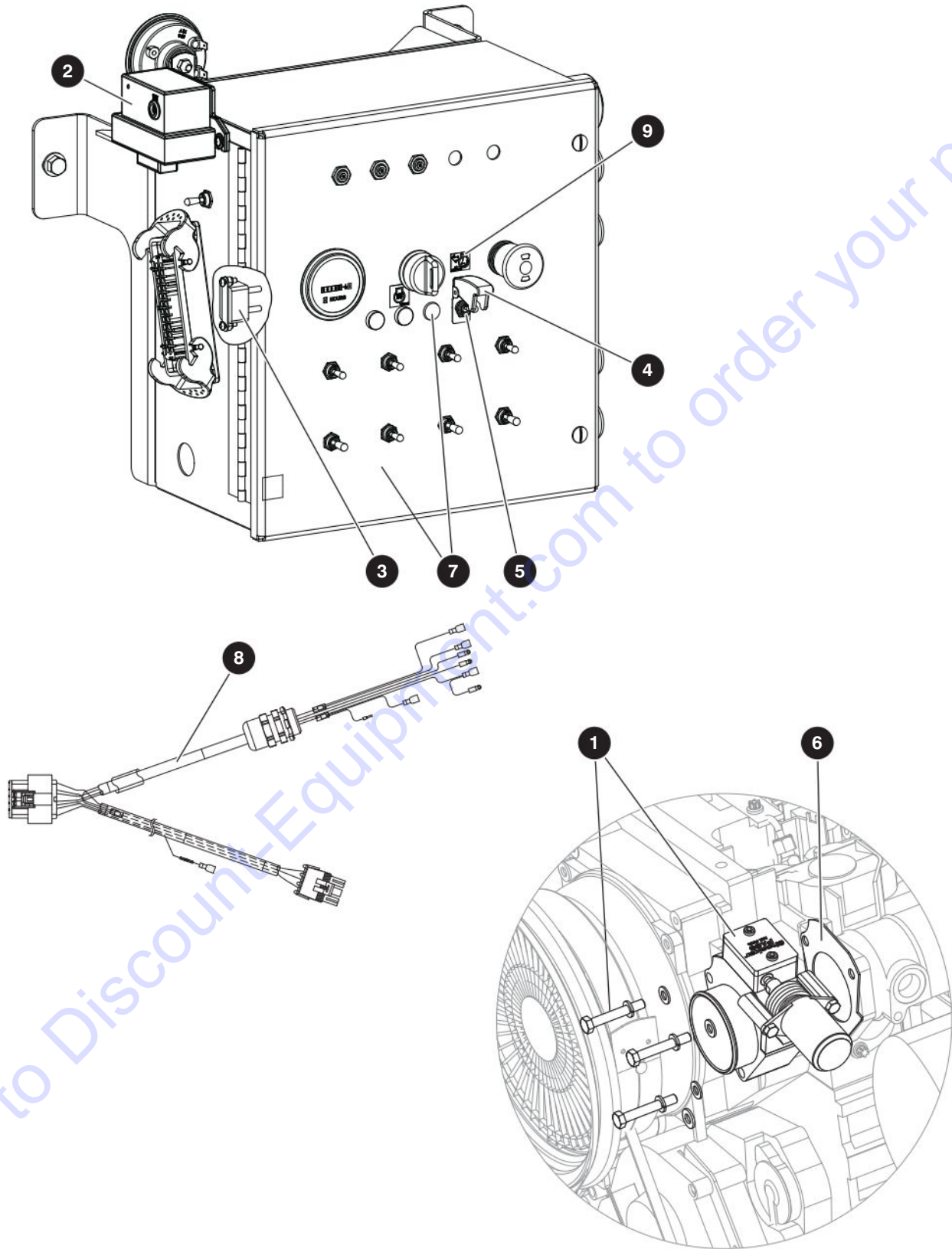
SJ46 AJ+

SKYJACK

9.26 Positive Air Shutoff - Deutz D2.9L

Index No.	Skyjack Part No.	Qty.	Description
-	169645	1	POSITIVE AIR SHUTOFF VALVE - Deutz D2.9L
-	169648	1	• ENGINE MODIFICATION - DEUTZ D2.9L
-	169649	1	• • MODIFICATION, Intake assembly
1	169650	1	• • • TUBE, Intake (modified)
2	169647	1	• • HOLDER, positive air shutoff
3	169646	1	• • PASS 2500, D2.9L
	115574	1	• • • SWITCH, Toggle (1NT1-2)
4	103856	2	• • BOLT, Hex head (0.25"-20 x 0.75", grade 5)
5	104000	2	• • WASHER, Lock (0.25")
6	116218	2	• • WASHER, Lock (M8 plated DIN 127B)
7	133174	2	• • BOLT, Hex head (M8 x 1.25 x 20mm, grade 5)
-	169651	1	• BASE CONTROLS MODIFICATION - D2.9L
8	169652	1	• • HOLDER, RL5- positive air option
9	169660	1	• • MODIFICATION, Lower control box mount
10	169653	1	• • MODIFICATION, Lower control box door
11	116266	1	• • CONNECTOR, Strain relief (PG21)
12	103857	2	• • BOLT, Hex head (0.25"-20 x 1.00", grade 5)
13	103995	2	• • WASHER, Flat (0.25")
14	115649	2	• • NUT, Hex head nylon lock (0.25"-20, grade 5)
15	104694	2	• • WASHER, Flat (#10)
16	120094	2	• • SCREW, Round head machine (10-32 x 0.625")
17	300450	2	• • NUT, Hex head nylon lock (10-32, grade 5)
18	169654	1	• • WIRING ASSEMBLY, PASV (not shown)
	169655	1	• • • HARNESS, PASV Deutz T4
	127131	1	• • • • RELAY, 12V 40 amp
	138749	1	• • • • SOCKET, Relay
	156114	1	• • • • CONNECTOR, 3F W/P
19	164832	1	• • • • LIGHT, Indicator 12V red
	169656	1	• • • HARNESS, PASV Secondary
	169657	1	• • • HARNESS, PASV Ground
	169658	1	• • • HARNESS, PASV RMP source
20	169923	1	• • LABEL, Positive air shutoff (not shown)

9.27 Positive Air Shutoff - Deutz D2011



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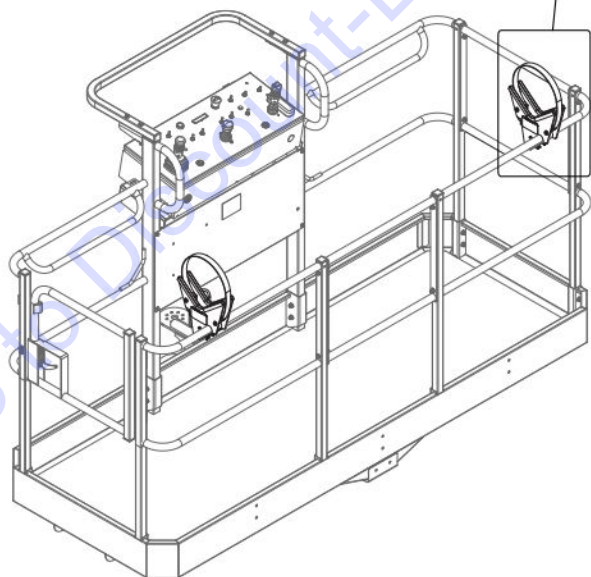
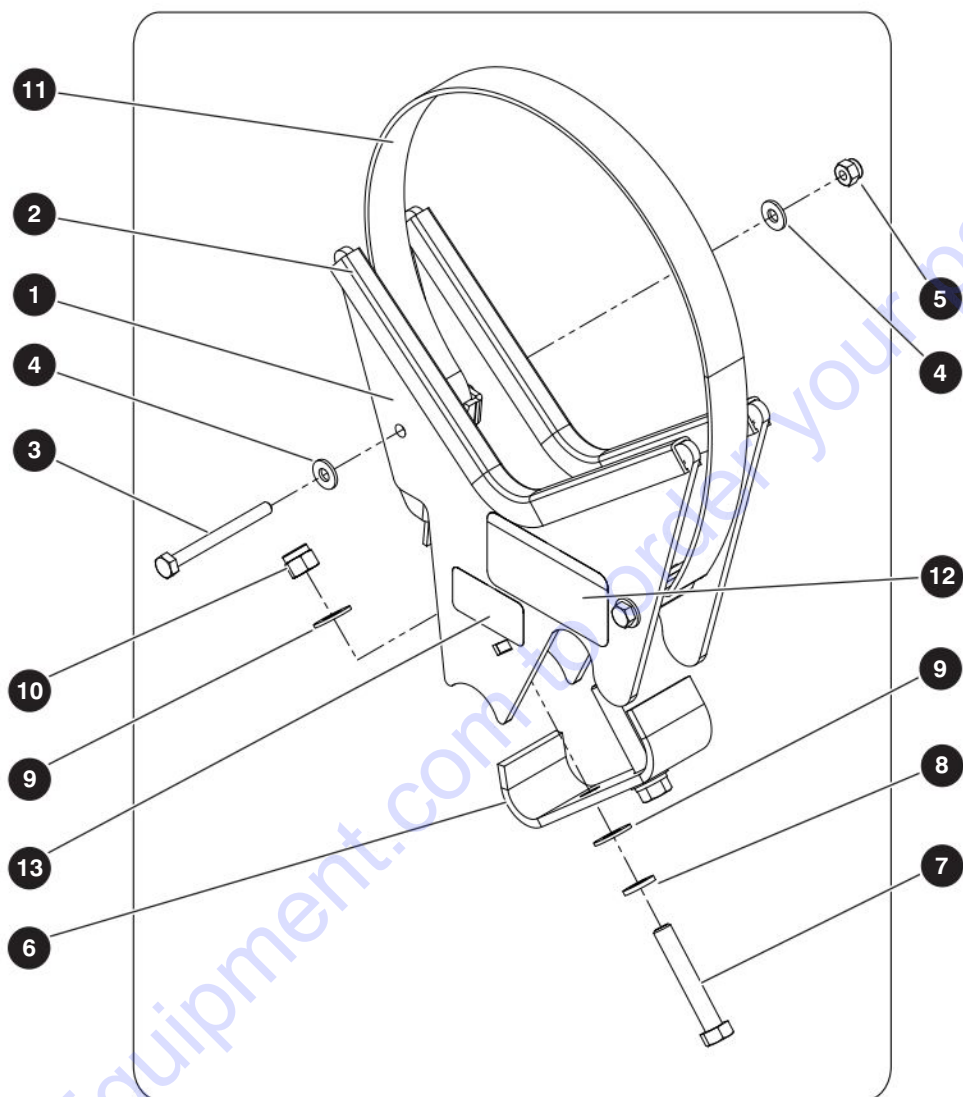
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9.27 Positive Air Shutoff - Deutz D2011

Index No.	Skyjack Part No.	Qty.	Description
-	195417	1	POSITIVE AIR SHUTOFF INSTALLATION - <i>Deutz D2011</i>
1	195326	1	<ul style="list-style-type: none"> • VALVE, PASO
2	171821	1	<ul style="list-style-type: none"> • LIMITER, Automatic rev
3	171899	1	<ul style="list-style-type: none"> • BREAKER, Circuit - automatic
4	171826	1	<ul style="list-style-type: none"> • COVER, Toggle safety (red)
5	115574	1	<ul style="list-style-type: none"> • SWITCH, Toggle (1NT1-2)
6	195379	1	<ul style="list-style-type: none"> • GASKET, PASO - Deutz D2011
7	(Ref.)	1	BASE CONTROLS with Positive Air Shut-Off Option (For components, refer to 4.17 Base Control Box)
8	195144	1	<ul style="list-style-type: none"> • HARNESS, Positive air shutoff
9	169923	1	<ul style="list-style-type: none"> • LABEL, Positive air shutoff

9.28 Pipe Rack



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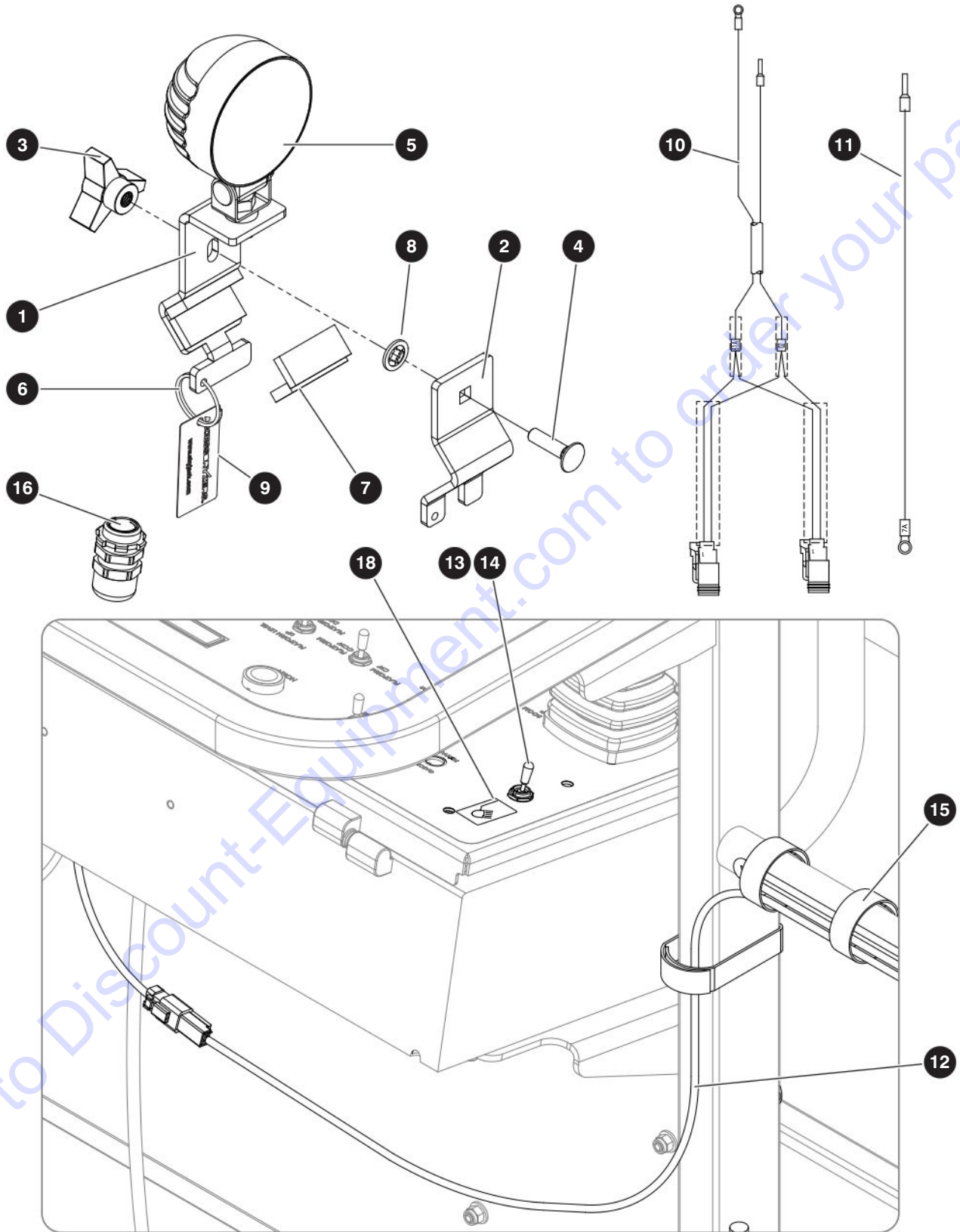
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9.28 Pipe Rack

Index No.	Skyjack Part No.	Qty.	Description
-	148559	1	PIPE RACK
-	149112	1	• PIPE RACK ASSEMBLY
1	144495	1	• • WELDMENT, PIPE RACK
2	117398	48"	• • TRIM, Protective
3	144501	4	• • BOLT, Hex head (0.25"-20 x 2.75", Grade 5)
4	103995	8	• • WASHER, Flat (0.25")
5	115649	4	• • NUT, Hex head nylon lock (0.25"-20, Grade 5)
6	144499	2	• • PLATE, Pipe rack bottom
7	103872	4	• • BOLT, Hex head (0.375"-16 x 2.25", Grade 5)
8	103999	4	• • WASHER, Lock (0.375")
9	103472	4	• • WASHER, Flat (0.375")
10	104606	2	• • NUT, Hex head nylon lock (0.375"-16)
11	144500	2	• • STRAP, Pipe rack
12	172383	2	• • LABEL, Pipe rack capacity
13	171239	2	• • LABEL, Capacity reduction
14	162725	1	• INSTRUCTION, Pipe rack installation (not shown)

9.29 Work Lights



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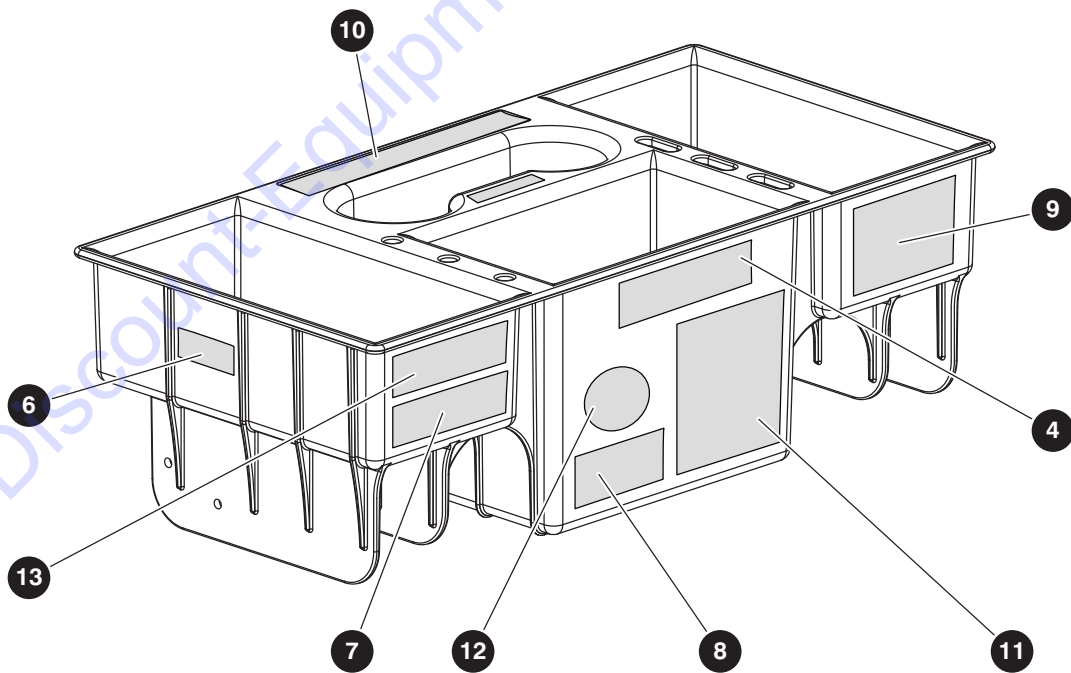
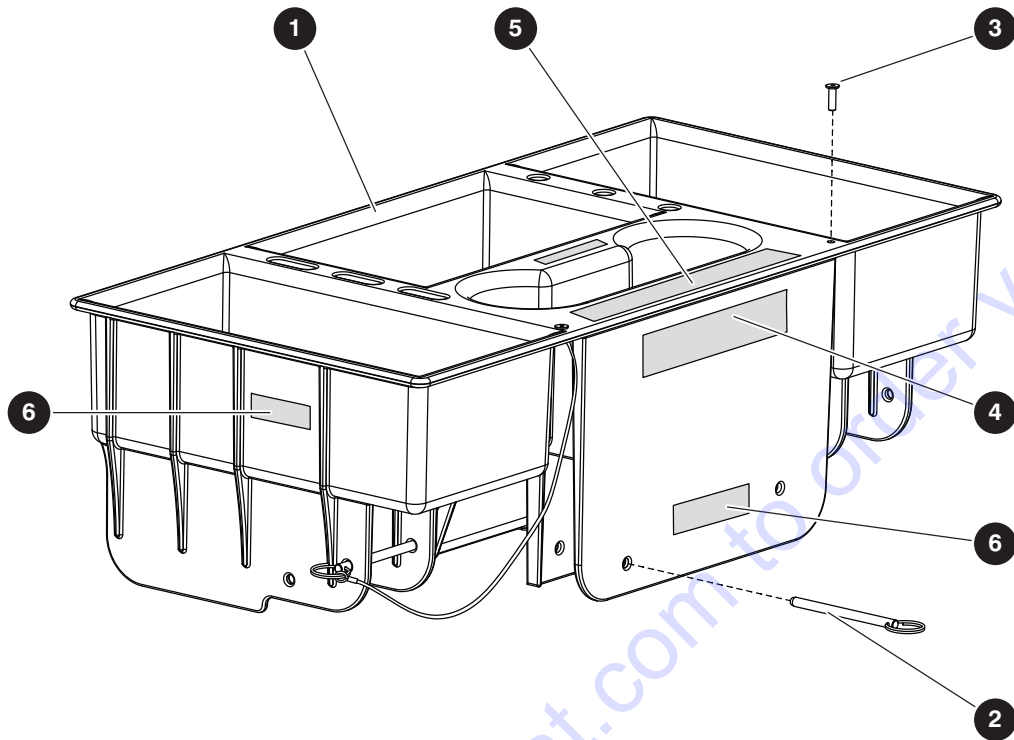
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SKYJACK

9.29 Work Lights

Index No.	Skyjack Part No.	Qty.	Description
-	207504	1	PLATFORM WORK LIGHTS FIELD KIT
-	165134	1	• WORK LIGHTS ASSEMBLY
-	208789	1	• • WORK LIGHTS ASSEMBLY
1	207672	2	• • • BRACKET, Inner - work light
2	207669	2	• • • BRACKET, Outer - work light
3	169005	2	• • • KNOB, Three arm (0.3125" threaded insert)
4	106049	2	• • • BOLT, Carriage (0.3125"-18 x 1.25" gr 5)
5	171888	2	• • • LAMP, Work
6	160320	2	• • • RING, Retaining
7	103628	14"	• • • RUBBER, Self seal
8	208790	2	• • • WASHER, Self-retaining
9	208935	2	• • • TAG, Accessoryzers
-	169002	1	• • WORK LIGHT ELECTRICAL ASSEMBLY
10	168634	1	• • • WIRE ASSEMBLY, Work light (toggle to e-stop and harness)
11	168635	1	• • • WIRE ASSEMBLY, Work light (terminal block to harness)
12	168637	2	• • • HARNESS, Work light
13	115574	1	• • • SWITCH, Toggle (1NT1-2)
14	144016	1	• • • SEAL, Toggle switch
15	149599	10	• • • TIE, Cable - velcro
16	103036	1	• • • CONNECTOR, Strain relief
17	168636	1	• • • WIRING DIAGRAM, Work light (not shown)
18	172305	1	• LABEL, Work light
19	208829	1	• INSTALLATION INSTRUCTION, Work lights (not shown)

9.30 Tool Caddy



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SKYJACK

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"/>

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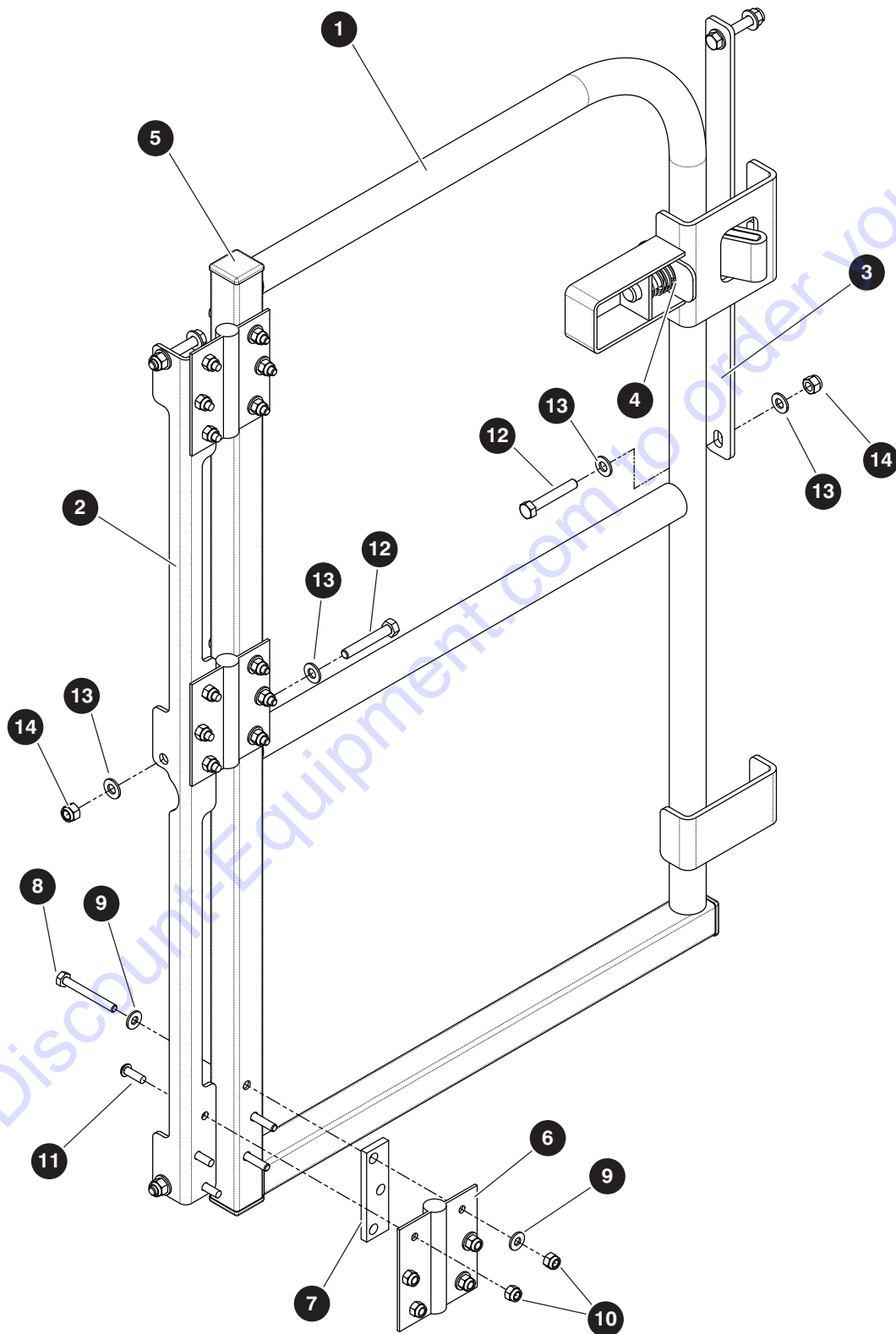
Click on this link: <http://www.discount-equipment.com/category/5443-parts/> and choose one of the options to help get the right parts and equipment you are looking for. Please have the machine model and serial number available in order to help us get you the correct parts. If you don't find the part 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.

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9.30 Tool Caddy

Index No.	Skyjack Part No.	Qty.	Description
-	211271	1	TOOL CADDY KIT
-	204334	1	• TOOL CADDY ASSEMBLY
1	198945	1	• • TOOL CADDY TRAY, Plastic (Std)
2	198965	2	• • PIN, Quick release 1/4x3.2 LG with Lanyard
3	116161	2	• • RIVET, Pop (0.1875" x 0.565")
4	172293	2	• • LABEL, Skyjack logo, 5" white
5	172294	1	• • LABEL, Skyjack logo, 3" white
6	168421	3	• • LABEL, Lock pin in place
7	172245	1	• • LABEL, Tool caddy weight
8	172246	1	• • LABEL, Tool caddy pin location
9	172247	1	• • LABEL, Tool caddy location
10	172292	1	• • LABEL, Accessoryzers, 8" white
11	172298	1	• • LABEL, Tool caddy models serial numbers
12	172299	1	• • LABEL, Do not block exit/entrance
13	172297	1	• • LABEL, Drive slowly when tool caddy is installed
14	204306	1	• INSTRUCTIONS, Tool caddy installation (not shown)

9.31 Half-Height Platform Mesh



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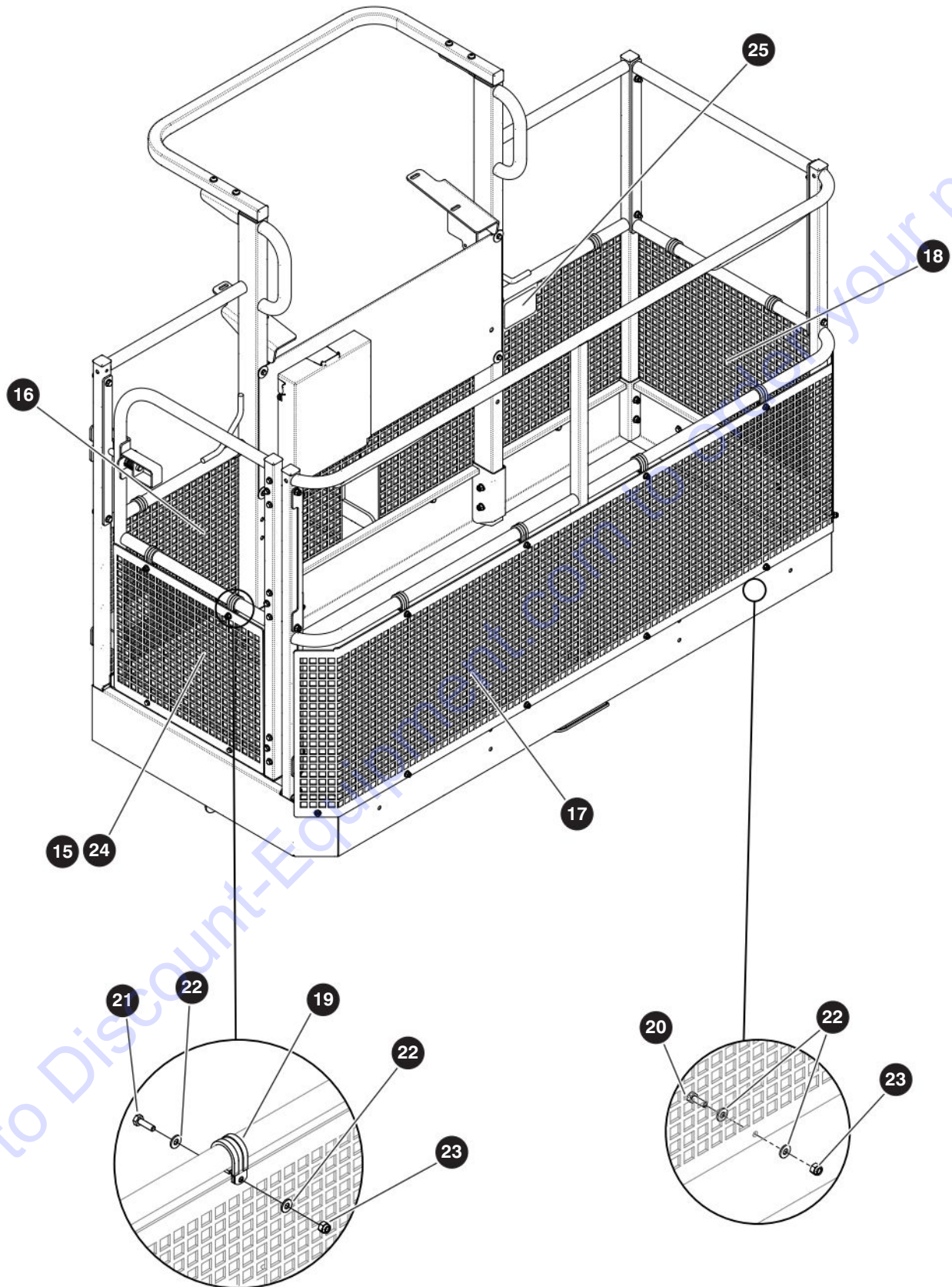
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SKYJACK

9.31 Half-Height Platform Mesh

Index No.	Skyjack Part No.	Qty.	Description
A	211779	1	• HALF HEIGHT MESH KIT for 6' / 1.83 m Side Entry Platform
B	211780	1	• HALF HEIGHT MESH KIT for 5' / 2.44 m Side Entry Platform
-	211364	1	• MESH ASSEMBLY, Side entry 6' / 2.44 m platform, A
-	211211	1	• MESH ASSEMBLY, Side entry 5' / 2.44 m platform, B
-	211359	1	• • FULL SWING GATE
1	209032	1	• • • GATE, Swing - full
2	211375	1	• • • BRACKET, Mounting - hinge
3	166287	1	• • • PLATE, Locking
4	110824	1	• • • LATCH, Pin - door spring
	105312	1	• • • • BED, Latch
	109377	1	• • • • PIN, Latch (0.625" x 4.187")
	105307	1	• • • • HANDLE, Latch
	103107	1	• • • • SPRING, Compression
	100950		• • • • PIN, Spring (0.125" x 1.00")
5	100702	3	• • • PLUG, Tube (1.25" x 1.25")
6	209527	3	• • • HINGE, Spring
7	164592	3	• • • TAB, Hinge
8	103862	9	• • • BOLT, Hex head (0.25"-20 x 2.25" gr 5)
9	103995	18	• • • WASHER, Flat (0.25")
10	115649	18	• • • NUT, Lock (0.25"-20 gr 5 nylon)
11	139168	9	• • • BOLT, Button head cap screw (0.25"-20 x 0.75")
12	103865	5	• • • BOLT, Hex head (0.312"-18 x 2.00" gr 5)
13	103996	10	• • • WASHER, Flat (0.312")
14	103984	5	• • • NUT, Lock (0.313"-18 gr 5 nylon)
			Parts list continued on the next page.

9.31 Half-Height Platform Mesh



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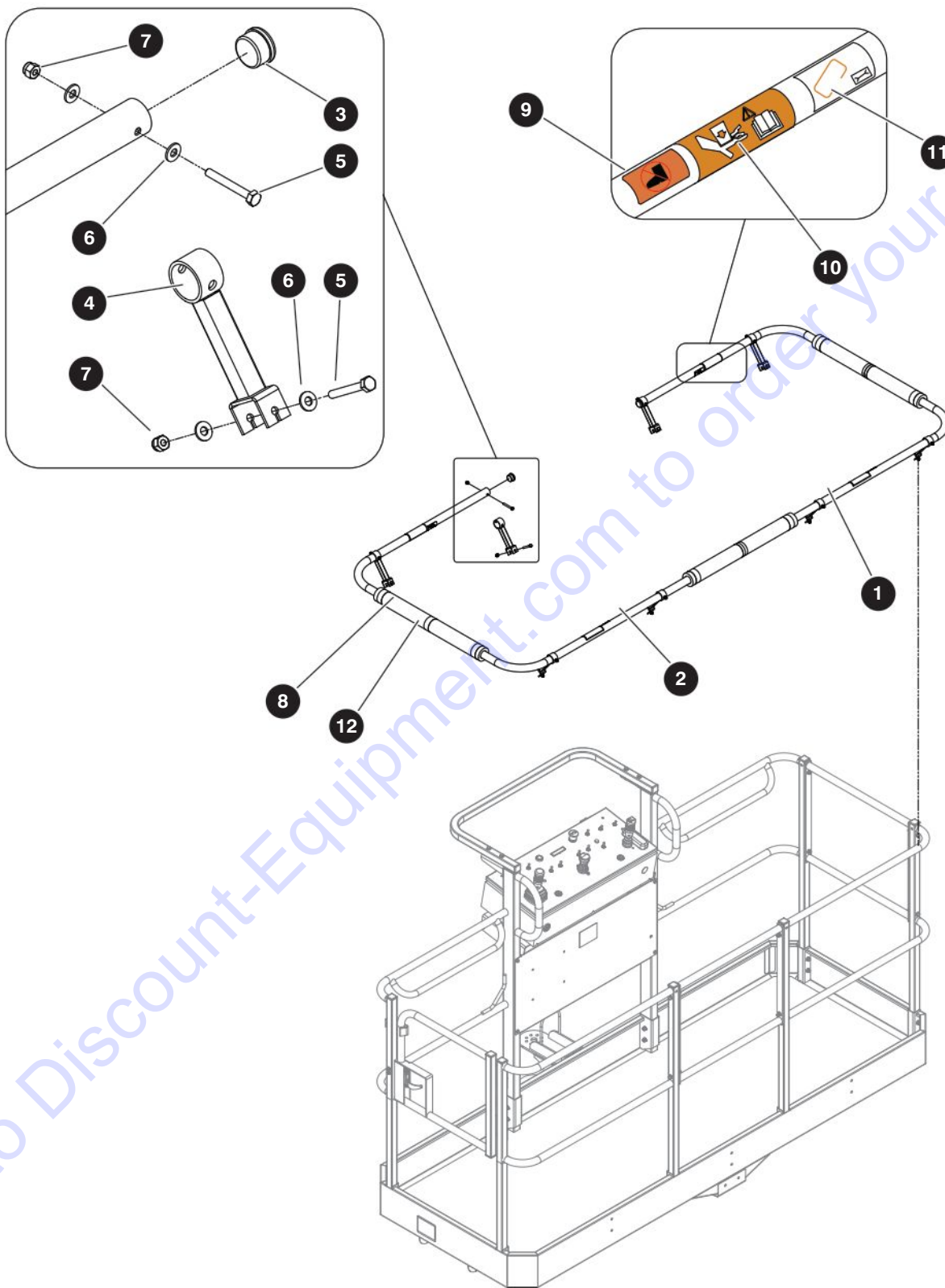
SJ46 AJ+

SKYJACK

9.31 Half-Height Platform Mesh

Index No.	Skyjack Part No.	Qty.	Description
A	211779	1	• HALF HEIGHT MESH KIT for 6' / 1.83 m Side Entry Platform
B	211780	1	• HALF HEIGHT MESH KIT for 5' / 2.44 m Side Entry Platform
Parts list continued from the previous page.			
15	208942	1	• • MESH, Gate
16	211608	1	• • MESH, Front - 30" x 72" / 0.76 m x 1.83 m platform, A
	211610	1	• • MESH, Front - 30" x 60" / 0.76 m x 1.52 m platform, B
17	211606	1	• • MESH, Rear - 30" x 72" / 0.76 m x 1.83 m platform, A
	211609	1	• • MESH, Rear - 30" x 60" / 0.76 m x 1.52 m platform, B
18	211605	1	• • MESH, Side - 30" / 0.76 m platform, A, B
19	209030	12	• • CLAMP, Loop - cushioned (#19), A, B
20	103891	12	• • BOLT, Hex head (0.25"-20 x 0.875" gr 5), A, B
21	103856	12	• • BOLT, Hex head (0.25"-20 x 0.75" gr 5), A, B
22	103995	48	• • WASHER, Flat (0.25"), A, B
23	115649	24	• • NUT, Lock (0.25"-20 gr 5 nylon), A, B
24	103632	2	• • BOLT, Self-tapping hex head (0.25"-14 x 0.75")
25	172519	1	• • LABEL, Mesh weight (25 kg/55 lb)
26	211727	1	• INSTRUCTION, Half height platform mesh installation (not shown)

9.32 External Railing



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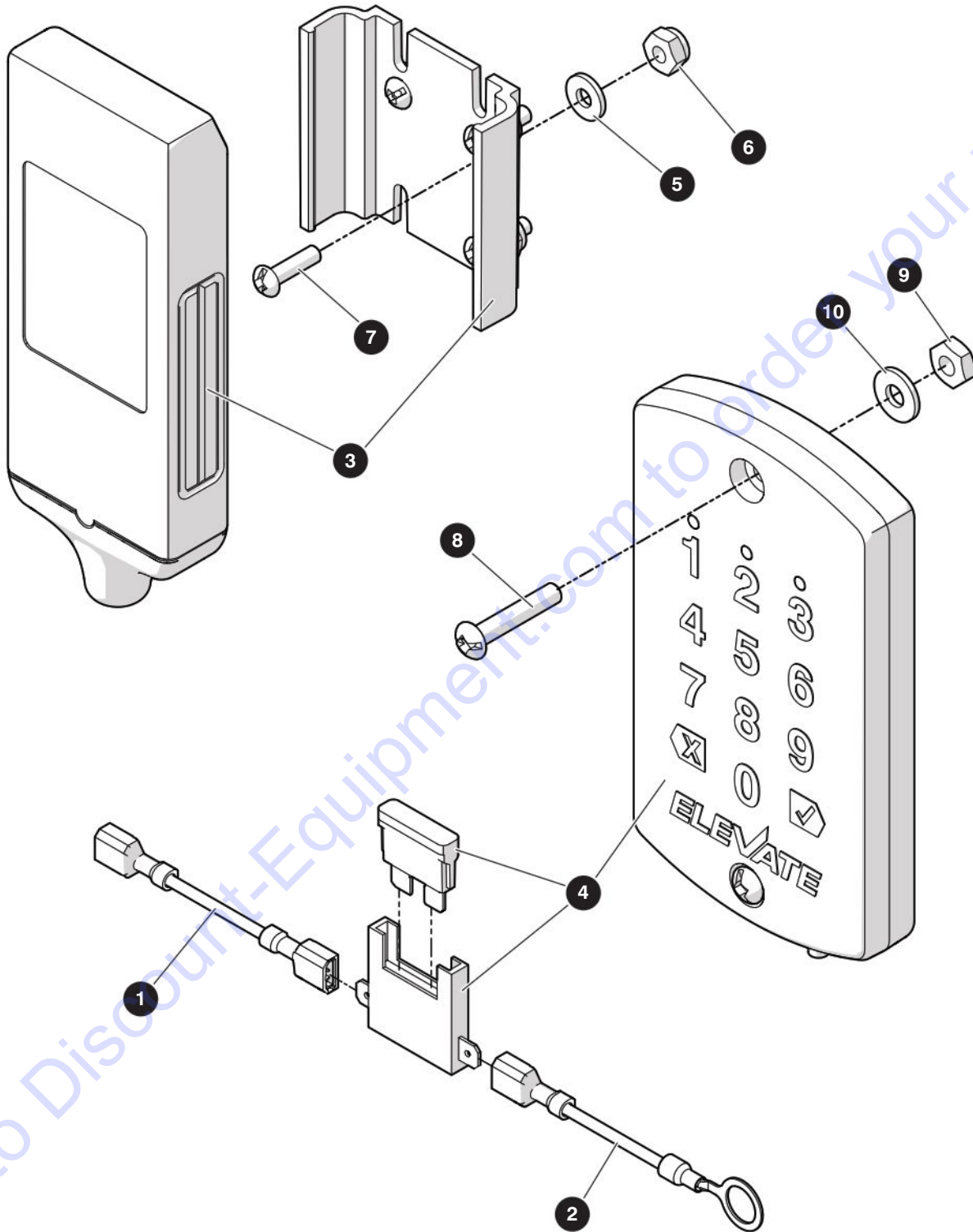
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SKYJACK

9.32 External Railing

Index No.	Skyjack Part No.	Qty.	Description
-	152575	1	EXTERNAL RAILING FIELD KIT - <i>for 6' platforms only</i>
-	152574	1	• EXTERNAL RAILING ASSEMBLY
1	152573	1	• • TUBE, External railing (right)
2	152572	1	• • TUBE, External railing (left)
3	144048	2	• • PLUG, Round end
4	144747	8	• • WELDMENT, External railing stand-off
5	103861	16	• • BOLT, Hex head (0.25"-20 x 2" Grade 5)
6	103995	32	• • WASHER, Flat (0.25")
7	115649	16	• • NUT, Hex head nylon lock (0.25"-20 Grade 5)
8	104183	6'	• • PAD, Entry railing
9	115543	6	• • LABEL, Warning no step
10	137988	6	• • LABEL, Hazard crush/pinch point
11	171237	6	• • LABEL, External railing weight
12	119803	1	• • LABEL, Caution tape (108' roll)
13	162030	1	• INSTRUCTION, External railing installation (not shown)

9.33 Elevate Telematics



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SKYJACK

9.33 Elevate Telematics

Index No.	Skyjack Part No.	Qty.	Description
			 NOTE A subscription is required to use the Elevate Telematics option. Refer to "Elevate Telematics Subscription" on page 262.
A	236118	1	ELEVATE TELEMATICS WITH KEYPAD INSTALLATION KIT
B	236169	1	ELEVATE TELEMATICS WITHOUT KEYPAD INSTALLATION KIT
-	218453	1	• ELEVATE TELEMATICS INSTALLATION KIT, A
	218454	1	• ELEVATE TELEMATICS INSTALLATION KIT, B
-	236134	1	• • ELEVATE TELEMATICS ASSEMBLY, A
	236135	1	• • ELEVATE TELEMATICS ASSEMBLY, B
1	221149	1	• • • WIRE ASSEMBLY, B+
2	220577	1	• • • WIRE ASSEMBLY, B+
3	213098	1	• • • TELEMATICS, Elevate GPS ME501-4
4	213099	1	• • • TELEMATICS, Elevate keypad, A
5	191833	4	• • • WASHER, Flat (#6)
6	196306	4	• • • NUT, Lock (6-32 gr 5 nylon)
7	114678	4	• • • SCREW, Round head machine (6-32 x 1/2")
8	126499	2	• • • SCREW, Round head machine (8-32 x 7/8"), A
9	103986	2	• • • NUT, Hex (8-32), A
10	103991	2	• • • WASHER, Flat (#8), A
11	102892	20	• TIE, Cable (5-3/8") (not shown)
12	221111	1	• INSTRUCTION, Operating - Elevate telematics (not shown), A
13	236117	1	• INSTRUCTIONS, Elevate telematics installation (not shown)

9.34 Elevate Telematics Subscription

Index No.	Skyjack Part No.	Qty.	Description
			 NOTE One of the following subscriptions is required to use the Elevate Telematics option.
1	221153	1	SUBSCRIPTION, Elevate telematics - Monitoring (12 months)
2	221647	1	SUBSCRIPTION, Elevate telematics - Engage (12 months)
3	221348	1	SUBSCRIPTION, Elevate telematics - Engage + Access (12 months)
4	221154	1	SUBSCRIPTION, Elevate telematics - Monitoring (36 months)
5	221650	1	SUBSCRIPTION, Elevate telematics - Engage (36 months)
6	221651	1	SUBSCRIPTION, Elevate telematics - Engage + Access (36 months)
7	221155	1	SUBSCRIPTION, Elevate telematics - Monitoring (60 months)
8	221654	1	SUBSCRIPTION, Elevate telematics - Engage (60 months)
9	221655	1	SUBSCRIPTION, Elevate telematics - Engage + Access (60 months)

Section 10 – Labels

10.1 *Label Kit*

10.2 *Labels - Front and Back*

10.3 *Labels - Engine Side*

10.4 *Labels - Controls Side*

10.5 *Labels - Controls Compartment*

10.6 *Labels - Engine Compartment*

10.7 *Labels - Platform*

10.1 Label Kit

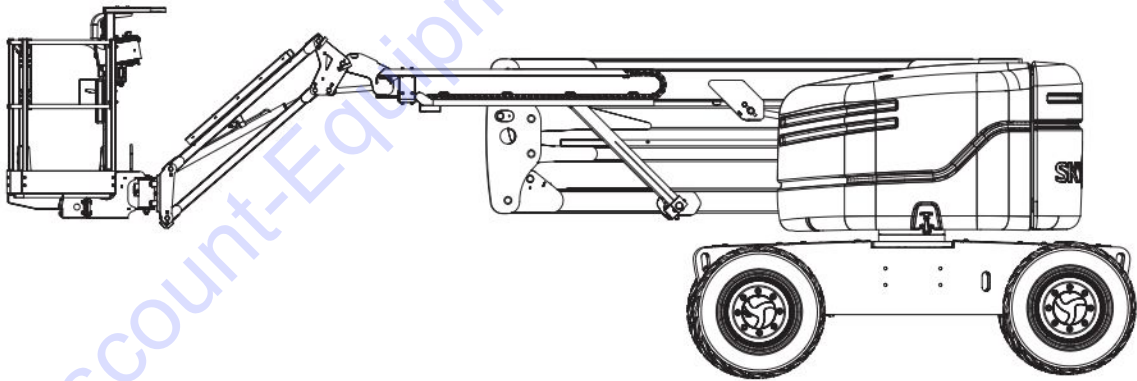
The following label kits contain all of the labels required for a complete standard machine, with the exception of:

- Serial number plates
- Base control box labels
- Engine- and fuel-specific labels
- Safety tape

Contact Discount-equipment to order those labels individually.

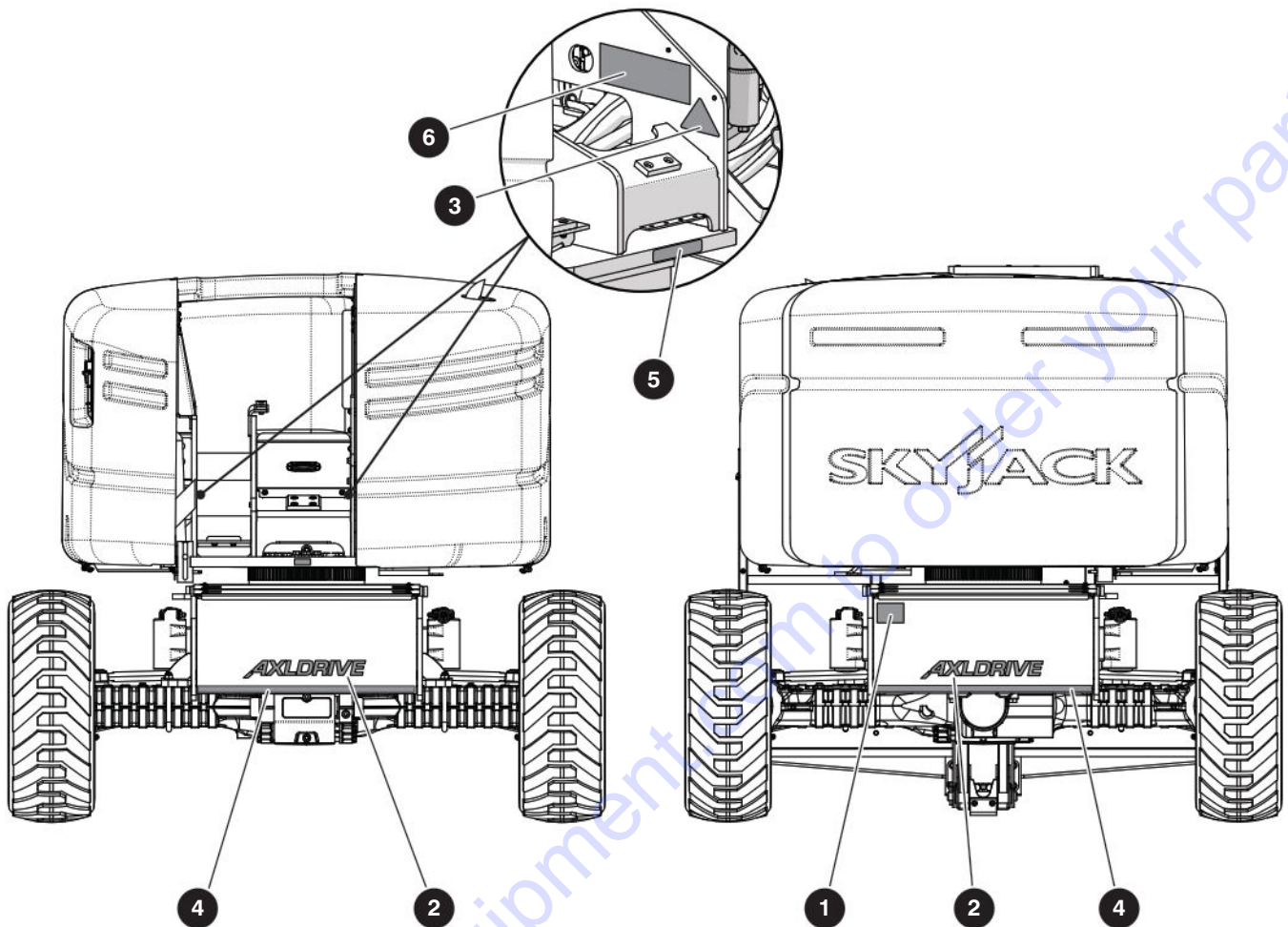
Supply the model number, country and language when ordering label kits.

Index No.	Skyjack Part No.	Qty.	Description
1	TBD	1	LABEL KIT, SJ46 AJ+



SKYJACKTM

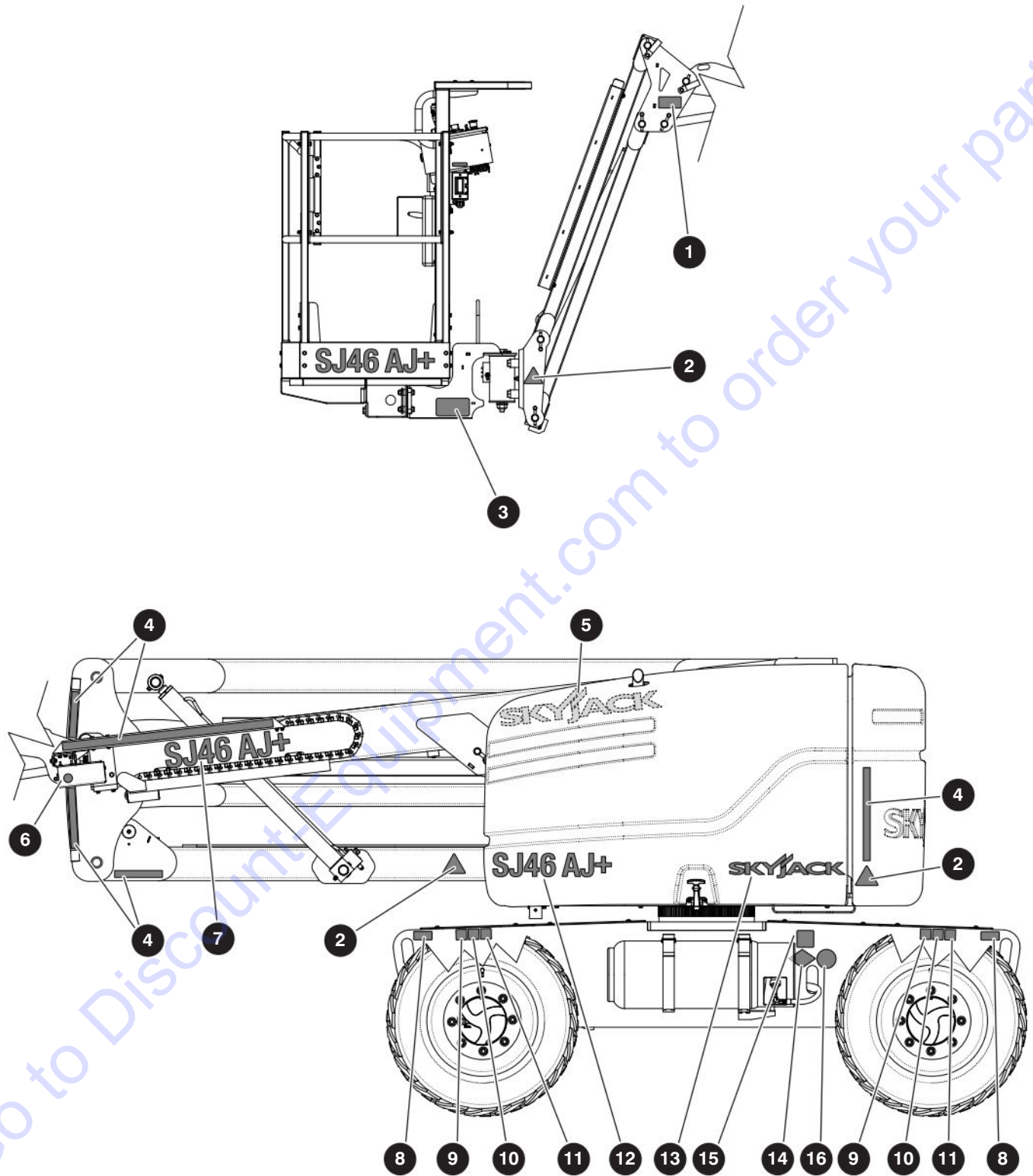
10.2 Labels - Front and Back



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Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	1	LABEL, Serial plate (please consult Discount-equipment)
2	173302	2	LABEL, Axle drive
3	223640	2	LABEL, Body crush
4	119803	60"	TAPE, Caution - 1"
5	138211	1	LABEL, Connect AC supply
6	172680	2	LABEL, Maintenance stand

10.3 Labels - Engine Side



M173506AB_M173504AB_ES

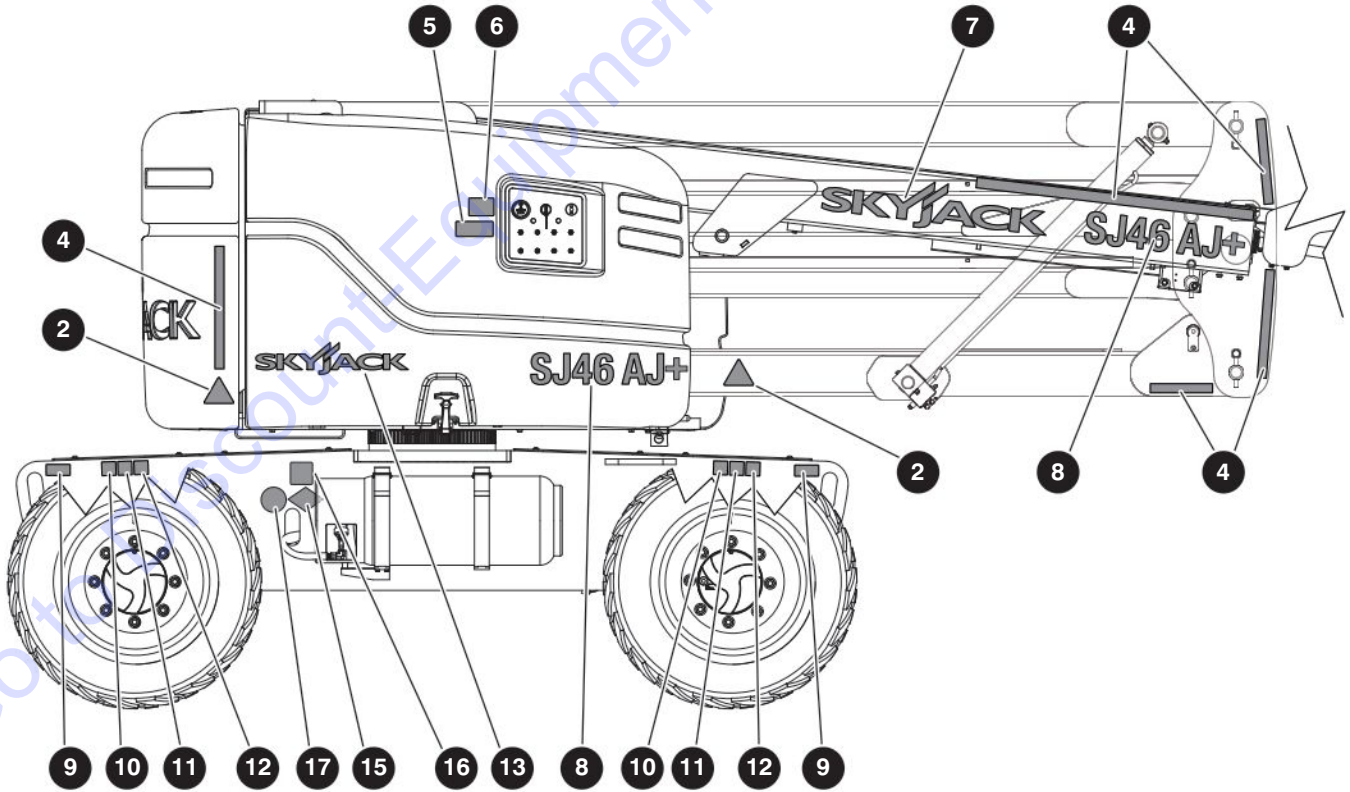
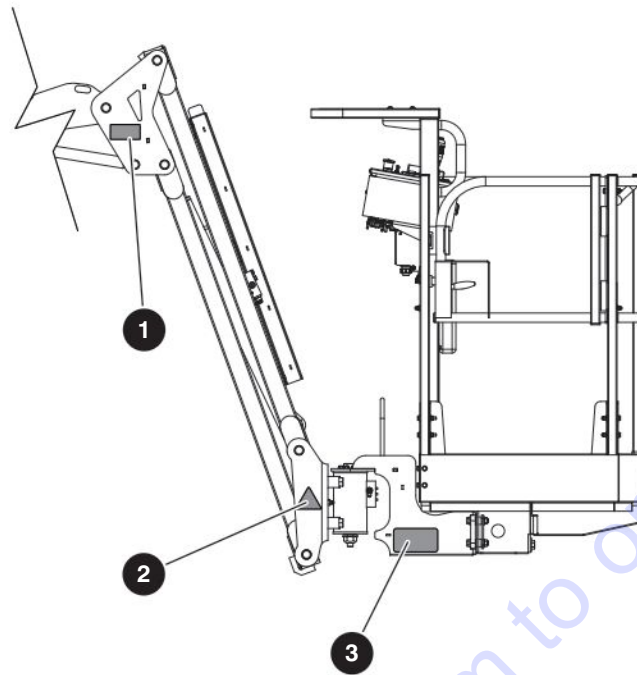
229035ABA

SJ46 AJ+

10.3 Labels - Engine Side

Index No.	Skyjack Part No.	Qty.	Description
1	137988	1	LABEL, Crush/Pinch point
2	223640	3	LABEL, Body crush
3	147111	1	LABEL, Transportation tie down points
4	119803	78"	TAPE, Caution - 1"
5	158555	1	LABEL, Skyjack logo
6	156613	1	LABEL, Do not alter
7	173574	1	LABEL, SJ46 AJ+ (24")
8	124767	2	LABEL, Tie down/lift lugs
9	124631	2	LABEL, Wheel info
10	173742	2	LABEL, Wheel load 3000 kg/6600 lb
11	173202	2	LABEL, Tip over hazard
12	173575	2	LABEL, SJ46 AJ+ (19)
13	158554	1	LABEL, Skyjack logo (20")
14	120390	1	LABEL, Propane - Kubota engine
15	103023	1	LABEL, LPG fuel - Kubota engine
16	138146	1	LABEL, No smoking - Kubota engine

10.4 Labels - Controls Side



M173506AB_M173504AB_CS

229035ABA

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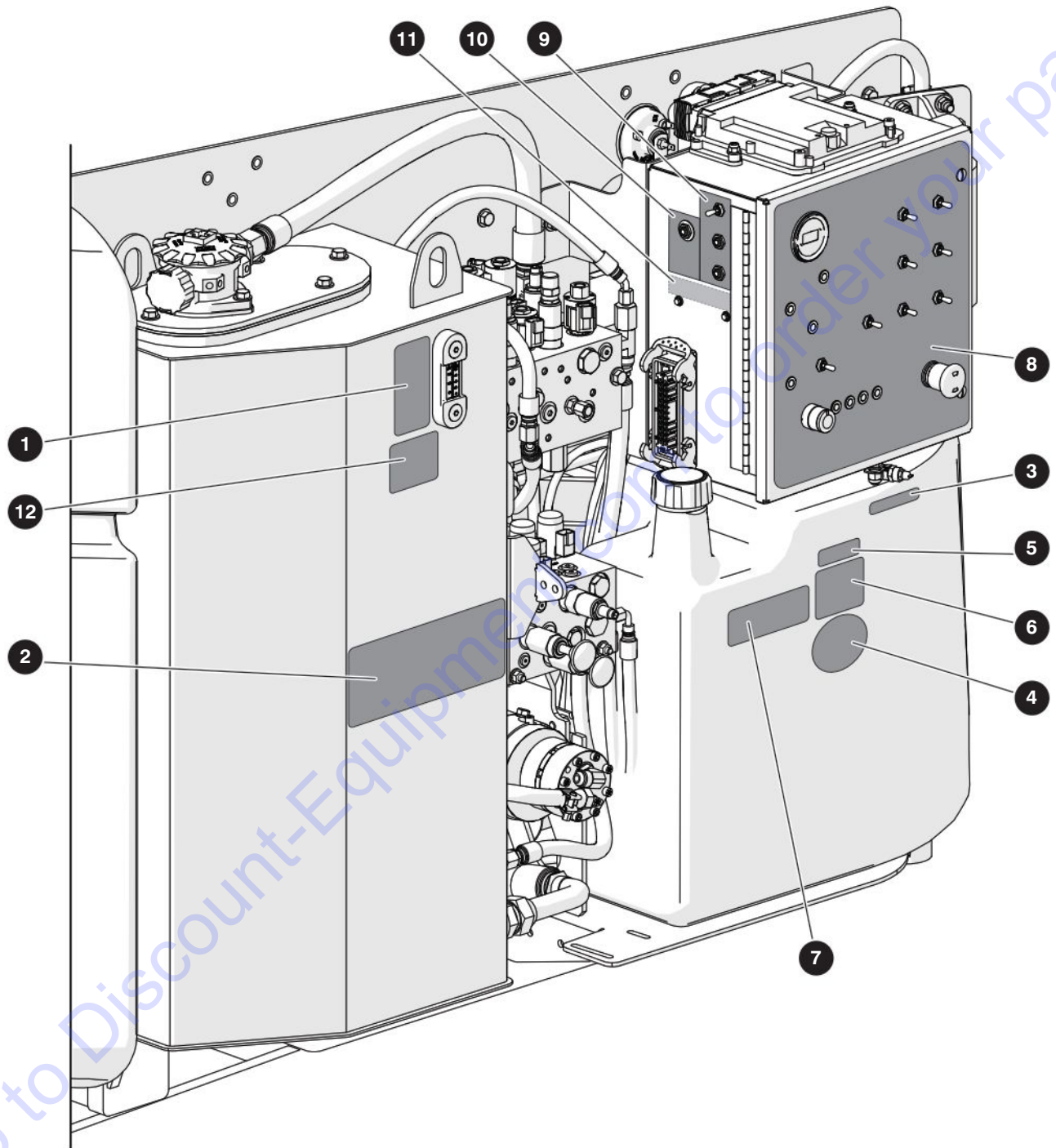
SJ46 AJ+

SKYJACK

10.4 Labels - Controls Side

Index No.	Skyjack Part No.	Qty.	Description
1	137988	1	LABEL, Crush/Pinch point
2	223640	3	LABEL, Body crush
3	147111	1	LABEL, Transportation tie down points
4	119803	78"	TAPE, Caution - 1"
5	172656	1	LABEL, Annual inspection
6	172695	1	LABEL, Warning annual inspection
7	158555	1	LABEL, Skyjack logo (29")
8	173575	2	LABEL, SJ46 AJ+ (19")
9	124767	2	LABEL, Tie down/lift lugs
10	124631	2	LABEL, Wheel info
11	173742	2	LABEL, Wheel load 3000 kg/6600 lb
12	173202	2	LABEL, Tip over hazard
13	158554	1	LABEL, Skyjack logo (20")
15	120390	1	LABEL, Propane - Kubota engine
16	103023	1	LABEL, LPG fuel - Kubota engine
17	138146	1	LABEL, No smoking - Kubota engine

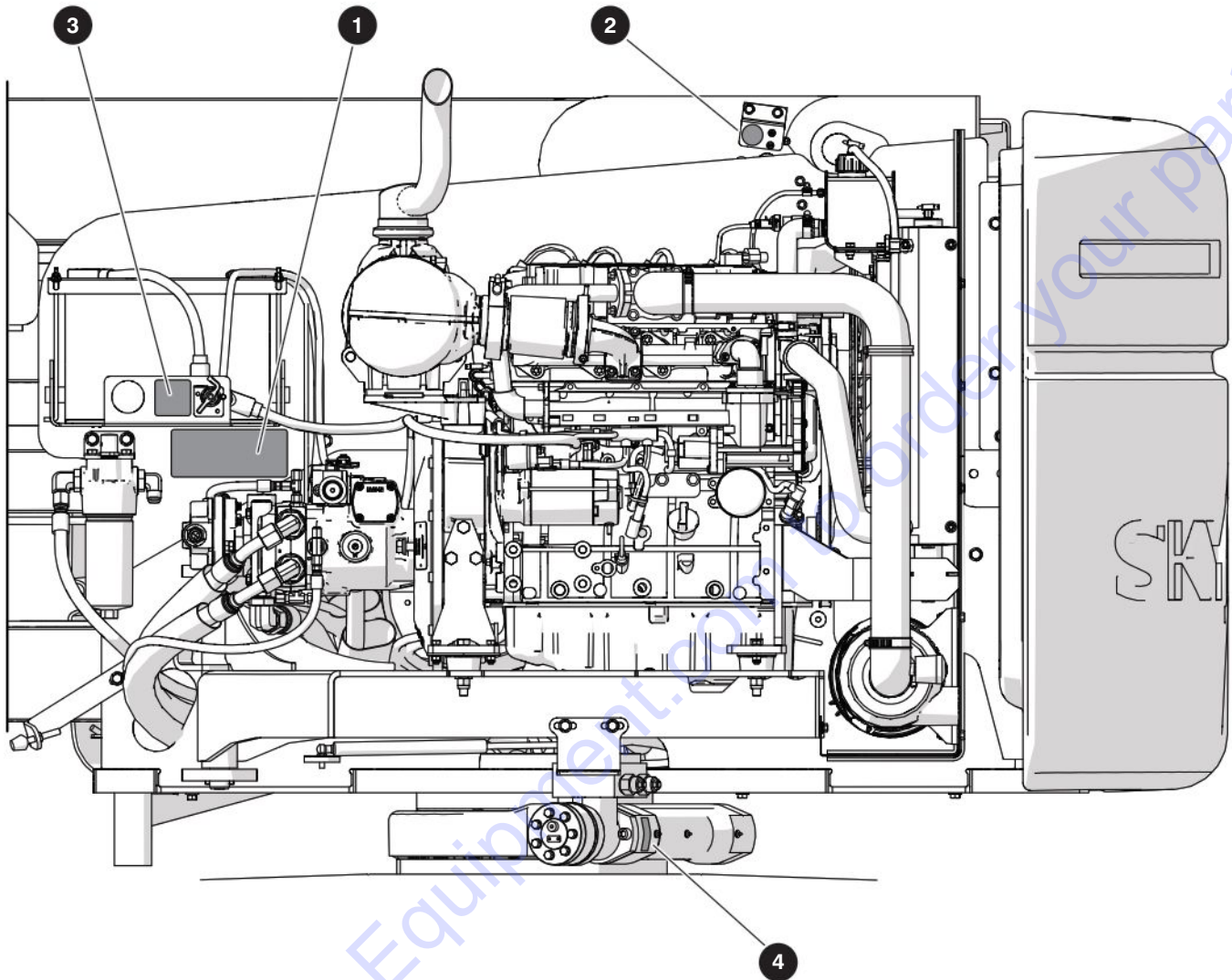
10.5 Labels - Controls Compartment



10.5 Labels - Controls Compartment

Index No.	Skyjack Part No.	Qty.	Description
1	146016	1	LABEL, Hydraulic oil level (min/max)
2	223638	1	LABEL, Winch/tow procedure
3	172512	1	LABEL, Grease point, Mobilgrease 462 Moly
4	138146	1	LABEL, No smoking
5	149502	1	LABEL, Low sulfur fuel - Deutz D2011
6	102962	1	LABEL, Diesel fuel - Deutz D2011
	162852	1	LABEL, Ultra low sulfur diesel fuel only - Deutz D2.9L
	132400	1	LABEL, Unleaded gasoline only - Kubota
7	168457	1	LABEL, Open fuel cap slowly - Kubota
8	218265	1	LABEL, Base control box
9	218362	1	LABEL, Side - CB1 & CB2
10	218636	1	LABEL, Side - CB3 & CB4
11	218364	1	LABEL, Relays
	218431	1	LABEL, Relays - with Positive air shut-off option
12	102961	1	LABEL, ATF Dexron - Standard and cold weather options
	144633	1	LABEL, Arctic hydraulic oil - Arctic weather option

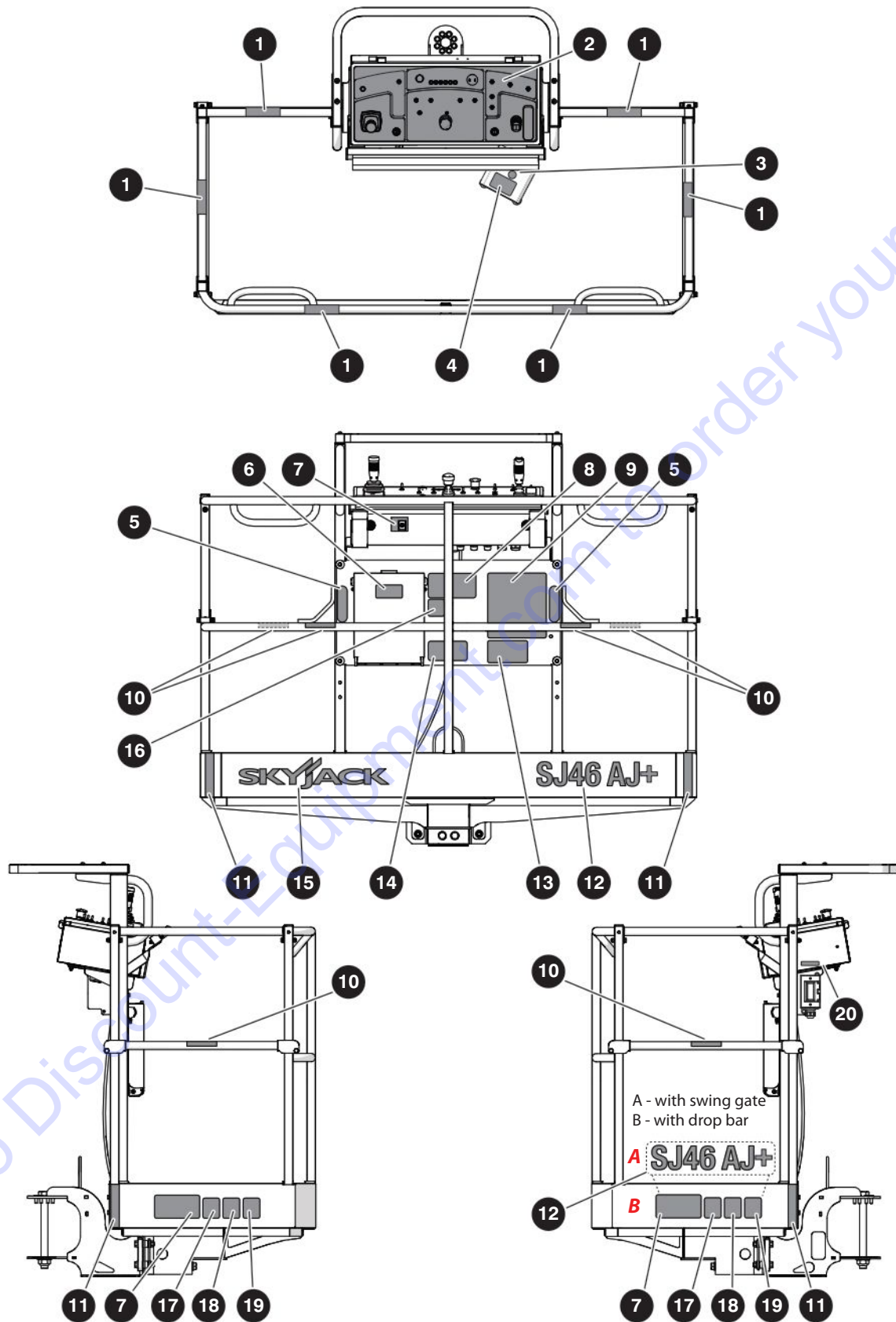
10.6 Labels - Engine Compartment



M173506AA_EC

Index No.	Skyjack Part No.	Qty.	Description
1	223638	1	LABEL, Winch/tow procedure
2	156613	1	LABEL, Do not alter
3	119674	1	LABEL, Battery disconnect switch
4	172512	1	LABEL, Grease point, Mobilgrease 462 Moly

10.7 Labels - Platform



10.7 Labels - Platform

Index No.	Skyjack Part No.	Qty.	Description
1	137988	6	LABEL, Crush/Pinch point
2	218299	1	LABEL, Platform Control box
3	156613	1	LABEL, Do not alter
4	143638	1	LABEL, Footswitch enable (on/off)
5	172639	2	LABEL, Harness anchorage
6	123628	1	LABEL, Manual box
7	231398	1	LABEL, Glazier/pipe rack override switch
8	173608	2	LABEL, Platform capacity (300 kg kg/600 lb), A
	173608	3	LABEL, Platform capacity (300 kg kg/600 lb), B
9	173192	1	LABEL, Danger/warning booms
10	115543	6	LABEL, Warning no step
11	119803	24"	LABEL, Caution tape
12	173575	1	LABEL, SJ46AJ (12"), A
	173575	2	LABEL, SJ46AJ (12"), B
13	147043	1	LABEL, AWPT "Click It!"
14	173081	1	LABEL, California proposition 65
15	158554	1	LABEL, Skyjack logo
16	173202	1	LABEL, Tip over hazard
17	159513	1	LABEL, Daily inspection, A
	159513	2	LABEL, Daily inspection, B
18	172693	1	LABEL, Non-insulated, A
	172693	2	LABEL, Non-insulated, B
19	124362	1	LABEL, Warning do not wear jewelry, A
	124362	2	LABEL, Warning do not wear jewelry, B
20	138211	1	LABEL, Connect AC supply

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