

PARTS MANUAL

TELESCOPIC BOOMS

MODELS **SJ61T** **SJ66T**

170946AE November 2016

SKYJACK[™]

This manual is based on Serial Number(s):

SJ61T / SJ66T: 97 001 396 to 97 001 832

Please refer to the website - www.skyjack.com for older Serial Numbers.

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Telescopic Boom Series Parts Manual

General

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

Parts Ordering Information

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

Method Of Listing

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

an index number initially starts with the letter "K", for example "K1", means it's a kit. Any item(s) included in a kit will not have an index number.

Quantities (Units Per Assy.)

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

Hardware

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

How To Order Repair Parts

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

CUSTOMER _____

DEALER _____

MODEL NUMBER _____

SERIAL NUMBER _____

DATE PURCHASED _____

Use Only Skyjack Authorized Replacement Parts!

Table of Contents

1.0 PLATFORM

1.1 Platform	10
1.2 Railing Assembly	12
1.3 Platform Base Assembly (ANSI/CSA)	14
1.4 Platform Base Assembly (CE)	15
1.5 Swing Gate Assembly	16
1.6 Drop Bar Gate	17
1.7 Railing Extension (No Gate)	18
1.8 Footswitch	19
1.9 Platform Control Console	20
1.10 Boom / Turret Controller Assembly (Dual Axis)	24
1.11 Drive / Steer Controller Assembly (Single Axis)	26
1.12 Platform Terminal Strip	28

2.0 BOOM

2.1 Boom Assembly	30
2.2 Main Boom Assembly	32
2.3 Fly Boom Assembly	33
2.4 Mid Boom Assembly	34
2.5 Power Track Carrier Assembly	36
2.6 Jib Assembly - 66T	38
2.7 Rotary Actuator Mounting - 61T	40
2.8 Rotary Actuator Assembly	41
2.9 Jib Lift / Platform Rotate Valve Assemblies	42

3.0 CYLINDERS

3.1 Extension Cylinder Hardware	46
3.2 Extension Cylinder Assembly	48
3.3 Lift and Master Cylinder Hardware	50
3.4 Lift Cylinder Assembly	51
3.5 Master Cylinder Assembly	52
3.6 Slave Cylinder Assembly	53
3.7 Jib Cylinder Assembly	54
3.8 Axle Lockout Cylinder Assembly	55

4.0 TURRET

4.1 Cowling Assembly - Engine Side	58
4.2 Cowling Assembly - Control Side	60
4.3 Cowling Assembly - Center	62
4.4 High Pressure Filter Assembly	63
4.5 Turret Assembly	64
4.6 Manifold Hardware	66
4.7 Main Manifold Assembly	68
4.8 Brake Manifold Assembly	70
4.9 Pressure Reducing Manifold	72
4.10 Rotary Manifold Assembly	74
4.11 Hydraulic Tank Assembly	76
4.12 No Generator and Oil Cooler Hose Fittings	78
4.13 Turret Swing Drive Assembly	79
4.14 Fuel Tank Assembly (GM Dual Fuel Engine)	80

Table of Contents

4.15 Fuel Tank Assembly - Kubota Engine	82
4.16 Fuel Tank Assembly - Deutz Diesel Engine	84
4.17 Battery Cable Assembly	85
4.18 Battery and Lockout Switch Assembly	86
4.19 Auxiliary Pump.....	87
4.20 Base Control Box - Deutz TD2.9L Engine.....	88
4.21 Base Control Box - Deutz D2011 & GM Engines.....	92
4.22 Base Terminal Strip - Deutz TD2.9L Engine.....	96
4.23 Base Terminal Strip - Deutz D2011 & GM Engines.....	97
5.0 ELECTRICAL HARNESES	
5.1 Main Electrical Harness.....	100
5.2 Battery Cables	102
5.3 Control Cable Harnesses	104
5.4 Jib & Platform Rotate Harnesses	105
5.5 110/220V Outlet Harness	106
5.6 ECU Harnesses - Deutz D2011	107
5.7 Glow Plug Harness (Deutz TD2.9L Engine).....	108
5.8 Glow Plug Harness (Deutz D2011 Engine).....	109
5.9 Engine Interface Harness - Deutz TD2.9L Engine	110
5.10 Engine Interface Harness - Kubota WG2503	112
5.11 Engine Interface Harness - GM Engine	114
6.0 BASE	
6.1 Base Assembly	116
6.2 Counterweight Assembly	118
6.3 Axle Hardware	120
6.4 Rear Axle Assembly.....	122
6.5 Differential Assembly - Rear Axle	124
6.6 Central Housing Assembly - Rear Axle	126
6.7 Gear Box - Rear Axle	128
6.8 Hydraulic Drive Motor.....	131
6.9 Front Axle Assembly.....	132
6.10 Differential Assembly - Front Axle	134
6.11 Central Housing Assembly - Front Axle	136
6.12 Steering Assembly	137
6.13 Trunnion Assembly - Front Axle	138
6.14 Axle Drive Shaft	139
6.15 Brake Assembly - Front & Rear Axle	140
6.16 Propane Tank Assembly.....	144
6.17 Tires	146
7.0 ENGINES	
7.1 Engine Assembly - Deutz TD2.9L	148
7.2 Radiator Assembly - Deutz TD2.9L.....	152
7.3 Engine Assembly - Deutz D2011	154
7.4 Engine Assembly - GM Dual Fuel	158
7.5 Engine Assembly - Kubota WG2503.....	162
7.6 Radiator & Air Intake Assemblies - Kubota WG2503	168
7.7 Engine Tray Assembly.....	170

Table of Contents

7.8 Drive and System Pump Assembly.....	172
7.9 Engine Coupling - Deutz.....	174
7.10 Engine Coupling - Kubota WG2503.....	175

8.0 HOSE CONNECTIONS

8.1 Standard Hose Numbering System.....	178
8.2 Hydraulic Hose Connection - Cylinders.....	180
8.3 Hydraulic Hose Connection - Control Compartment.....	182
8.4 Hydraulic Hose Connection - Pumps & Swing Drive.....	184
8.5 Hydraulic Hose Connection - Base and Axles.....	186
8.6 Fuel Line Hose Connection - Deutz TD2.9L Engine.....	188
8.7 Fuel Line Hose Connection - Deutz D2011 Engine.....	190
8.8 Fuel Line Hose Connection - GM Engine.....	192
8.9 Fuel Line Hose Connection - Kubota WG2503 Engine.....	194
8.10 Turret Grease Hose Connections.....	196

9.0 OPTIONAL EQUIPMENT

9.1 Generator and Oil Cooler - 3.5kW.....	198
9.2 Generator Assembly - 3.5kW.....	200
9.3 Oil Cooler with No Generator.....	202
9.4 Oil Cooler Assembly.....	203
9.5 Hydraulic Hose Connection - Generator and Oil Cooler - 3.5kW.....	204
9.6 Generator and Oil Cooler Wiring.....	206
9.7 Generator and Oil Cooler -12 kW.....	208
9.8 Generator Assembly - 12kW.....	210
9.9 Hydraulic Hose Connection - 12kW Generator and Oil Cooler.....	212
9.10 Welder and Mounting Assembly.....	214
9.11 Glazier Package Option.....	218
9.12 Cold Start Engine Option.....	220
9.13 Arctic Package Option.....	221
9.14 Block Heater - Deutz TD2.9L.....	222
9.15 Oil Quick Drain.....	223
9.16 SGM Assembly.....	224
9.17 SGE Assembly.....	226
9.18 External Platform Railing Assembly.....	228
9.19 Flashing Light.....	229
9.20 Air Hose To Platform Option.....	230
9.21 Diesel Scrubber.....	231
9.22 Control Box Cover.....	232
9.23 Positive Air Shut-Off Valve - Deutz TD2.9L.....	234
9.25 Telematics - Morey.....	238
9.26 Telematics - ZTR.....	239

10.0 LABELS

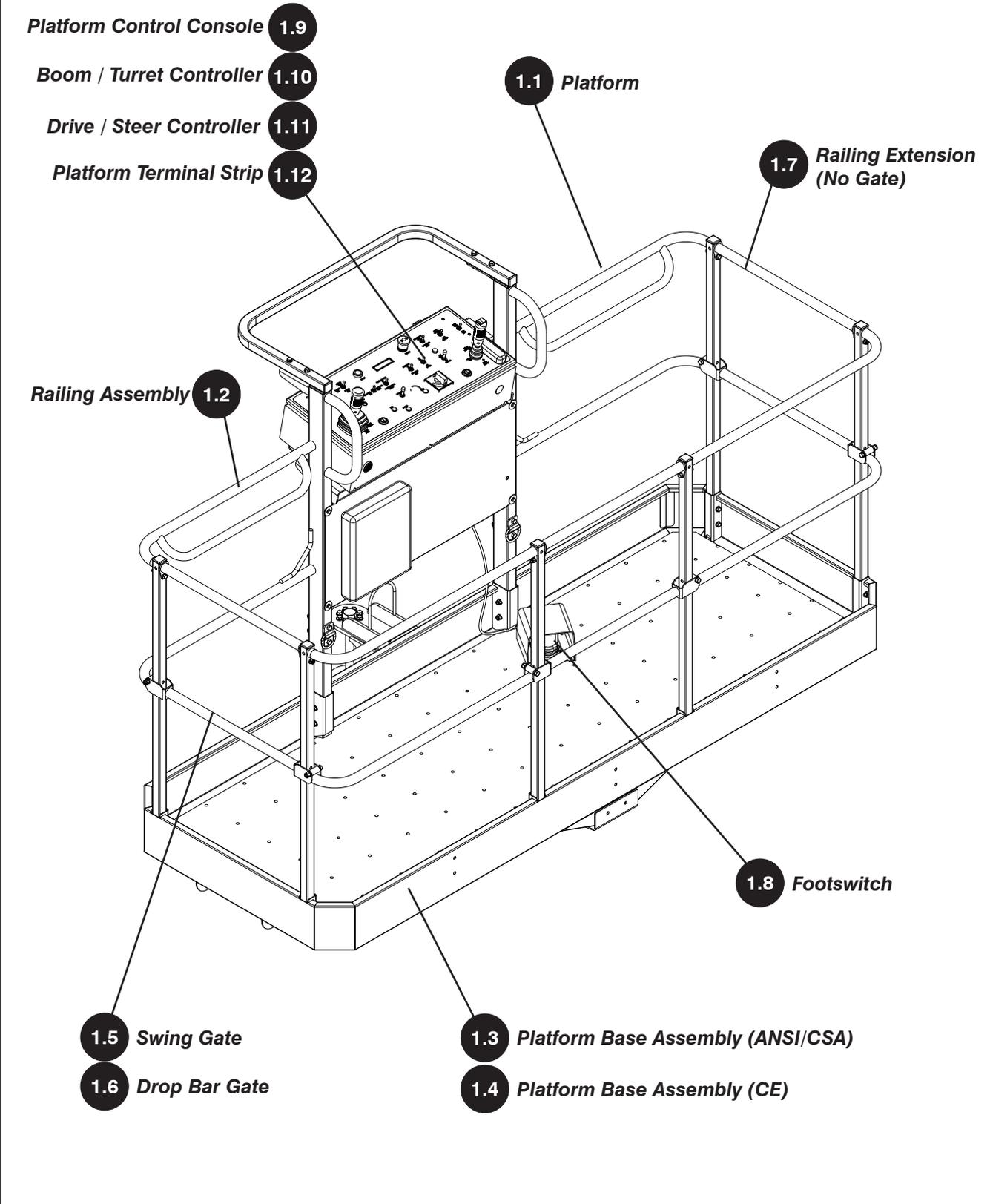
10.1 Label Kits.....	243
10.2 Labels - Platform Control Console.....	244
10.3 Labels - Front and Bottom.....	245
10.4 Labels - Engine Side.....	246
10.5 Labels - Controls Side.....	248
10.6 Labels - Controls Compartment.....	250

Table of Contents

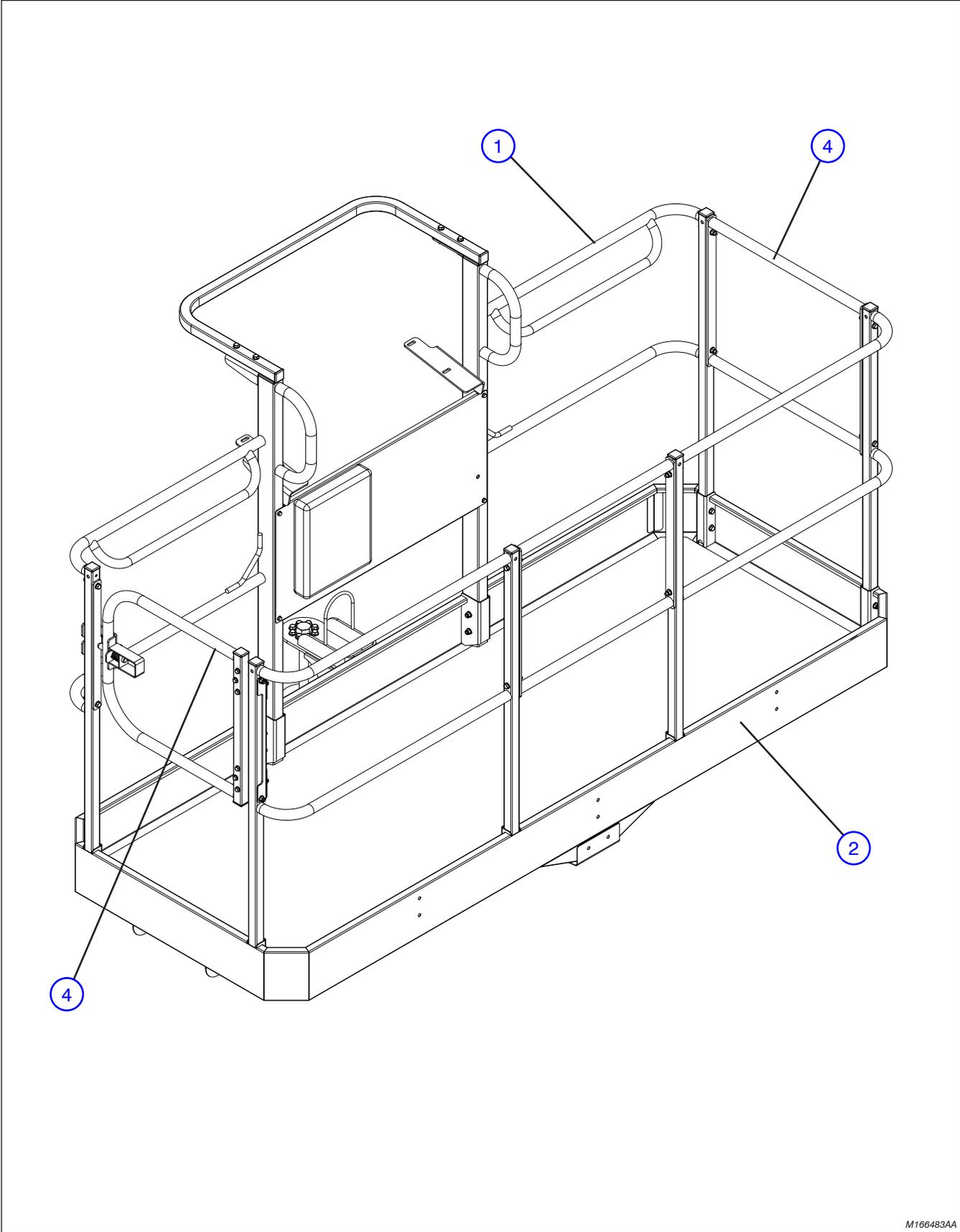
10.7 Labels - Engine Compartment	251
10.8 Labels - Platform.....	252
10.9 Labels - Engine Fuel.....	254

11.0 TABLES

11.1 Fluids	256
11.2 Grease Locations - Axle	257
11.3 Grease Locations - Gears	258
11.4 Filters	259



1.1 Platform

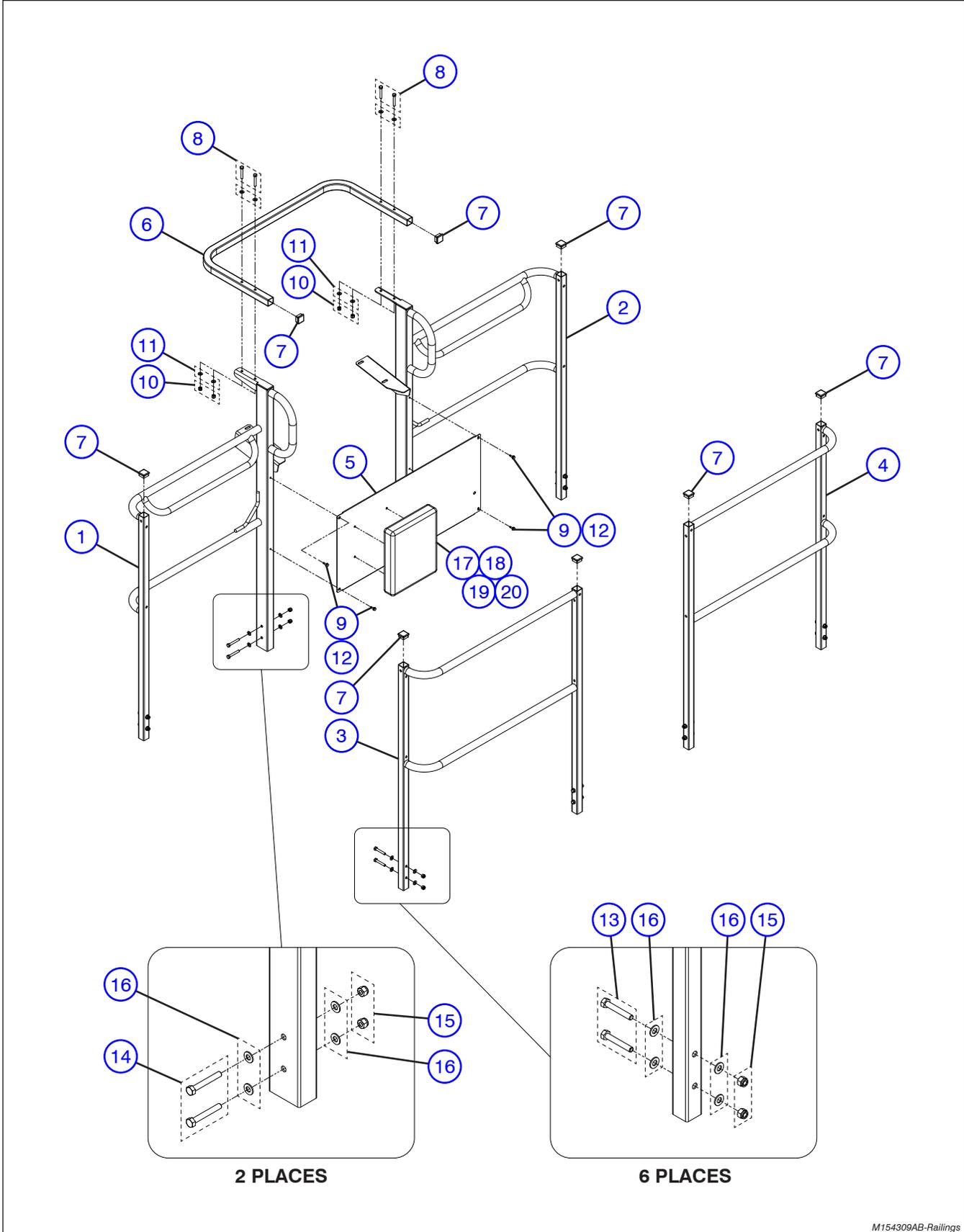


M166483AA

1.1 Platform

Index No.	Skyjack Part No.	Qty.	Description
A	166483	-	PLATFORM ASSEMBLY - 8' Swing Gate - Side (ANSI/CSA)
B	170372	-	PLATFORM ASSEMBLY - 8' Swing Gate - Side (CE)
C	166484	-	PLATFORM ASSEMBLY - 8' Swing Gate - Rear (CE)
D	166485	-	PLATFORM ASSEMBLY - 8' Drop Bar (ANSI/CSA)
E	166486	-	PLATFORM ASSEMBLY - 8' Drop Bar (CE)
F	166487	-	PLATFORM ASSEMBLY - 6' Swing Gate - Side (ANSI/CSA)
G	166488	-	PLATFORM ASSEMBLY - 6' Swing Gate - Rear (CE)
H	166489	-	PLATFORM ASSEMBLY - 6' Drop Bar (ANSI/CSA)
I	166490	-	PLATFORM ASSEMBLY - 6' Drop Bar (CE)
1	(Ref.)	-	<ul style="list-style-type: none"> RAILING ASSEMBLY (For components, refer to Section 1.2)
2	(Ref.)	-	<ul style="list-style-type: none"> PLATFORM BASE ASSEMBLY (For components, refer to Section 1.3) A, D, F, H (For components, refer to Section 1.4) B, C, E, G, I
3	(Ref.)	-	<ul style="list-style-type: none"> GATE ASSEMBLY (For components, refer to Section 1.5) A, B, C, F, G (For components, refer to Section 1.6) D, E, H, I
4	(Ref.)	-	<ul style="list-style-type: none"> RAILING EXTENSION (No Gate) (For components, refer to Section 1.7) A, B, C, F, G

1.2 Railing Assembly

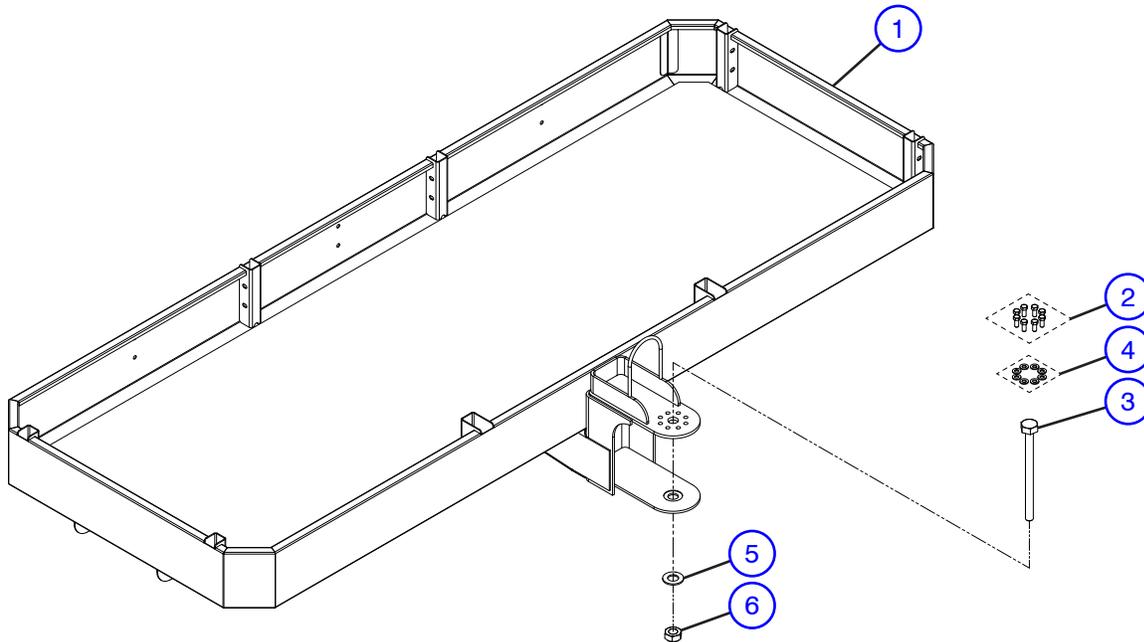


M154309AB-Railings

1.2 Railing Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	154293	-	RAILING ASSEMBLY (36" x 96")
B	154334	-	RAILING ASSEMBLY (36" x 72")
1	159581	1	• WELDMENT, Railing (Left/Front) A
	154319	1	• WELDMENT, Railing (Left/Front) B
2	159585	1	• WELDMENT, Railing (Right/Front) A
	154318	1	• WELDMENT, Railing (Right/Front) B
3	159583	1	• WELDMENT, Railing (Left/Back) A
	154321	1	• WELDMENT, Railing (Left/Back) B
4	159584	1	• WELDMENT, Railing (Right/Back) A
	154320	1	• WELDMENT, Railing (Right/Back) B
5	159586	1	• PLATE, Front guard
6	149098	1	• RAILING, Front
7	100702	8	• CAP, Plastic end
8	103865	4	• BOLT, Hex head (5/16"-18 x 2" Grade 5)
9	103632	4	• SCREW, Hex head self-tapping (1/4"-14 x 3/4")
10	103984	4	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
11	103996	8	• WASHER, Flat (5/16")
12	700598	4	• WASHER, Fender
13	103865	12	BOLT, Hex head (5/16"-18 x 2" Grade 5)
14	103866	4	BOLT, Hex head (5/16"-18 x 2 1/4" Grade 5)
15	103984	16	NUT, Hex head nylon lock (5/16"-18 Grade B)
16	103996	32	WASHER, Flat (5/16")
17	117293	1	MANUAL BOX
18	103856	4	BOLT, Hex head (1/4"-20 x 3/4" Grade 5)
19	103995	4	WASHER, Flat (1/4")
20	115649	4	NUT, Hex lock (1/4"-20 Grade 5, nylon)

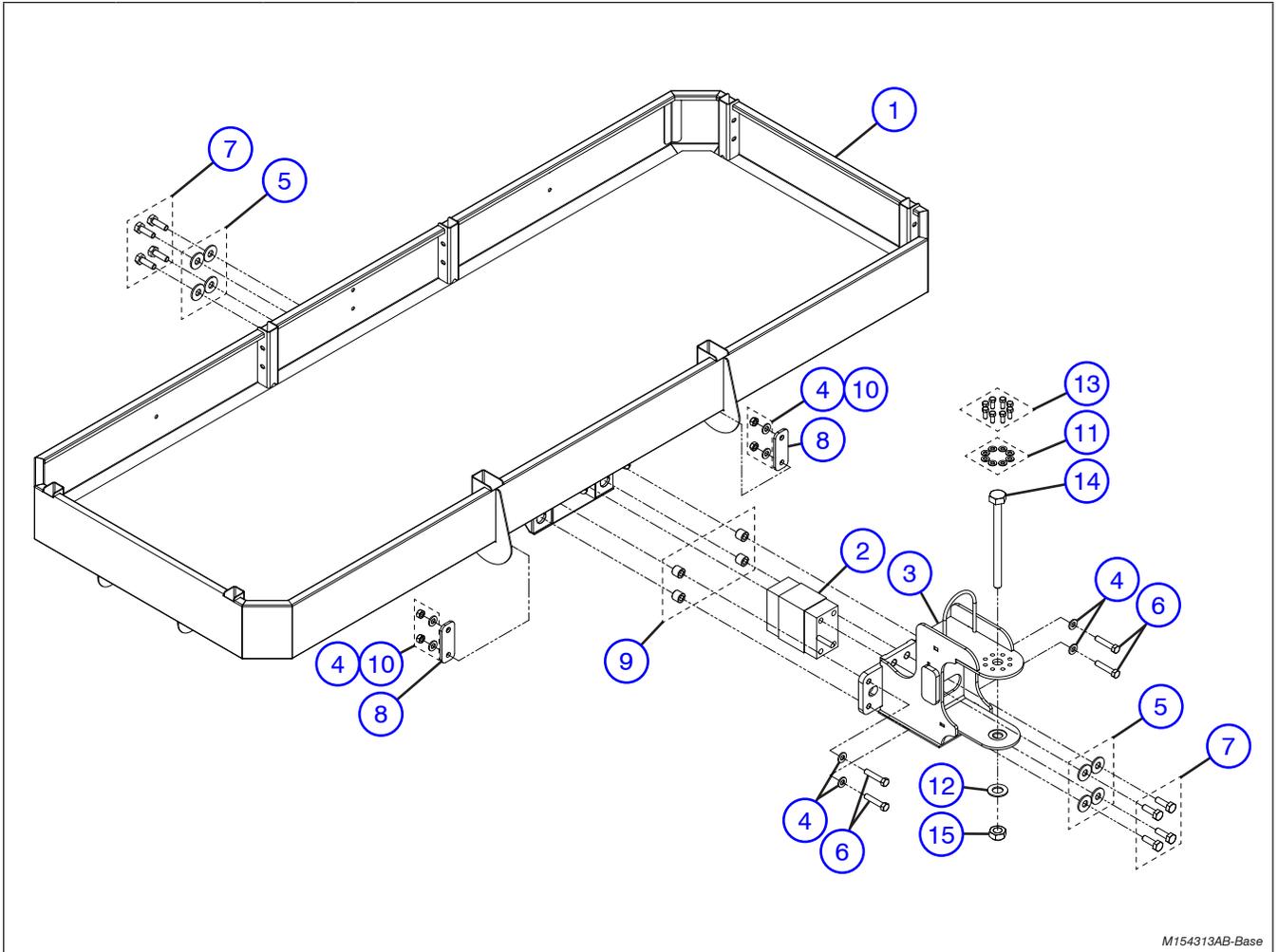
1.3 Platform Base Assembly (ANSI/CSA)



M154309AB-Base

Index No.	Skyjack Part No.	Qty.	Description
1	159431	1	WELDMENT, Platform base (36" x 96")
	154317	1	WELDMENT, Platform base (36" x 72")
2	139193	8	BOLT, Hex head patch (3/8"-16 x 7/8" Grade 8, Zinc)
3	138696	1	BOLT, Hex head (1"-8 x 10 1/2" Grade 8, Zinc)
4	125959	8	WASHER, Flat hardened (3/8")
5	102646	1	WASHER, Flat (1")
6	138559	1	NUT, Torque lock (1"-8 Grade C)

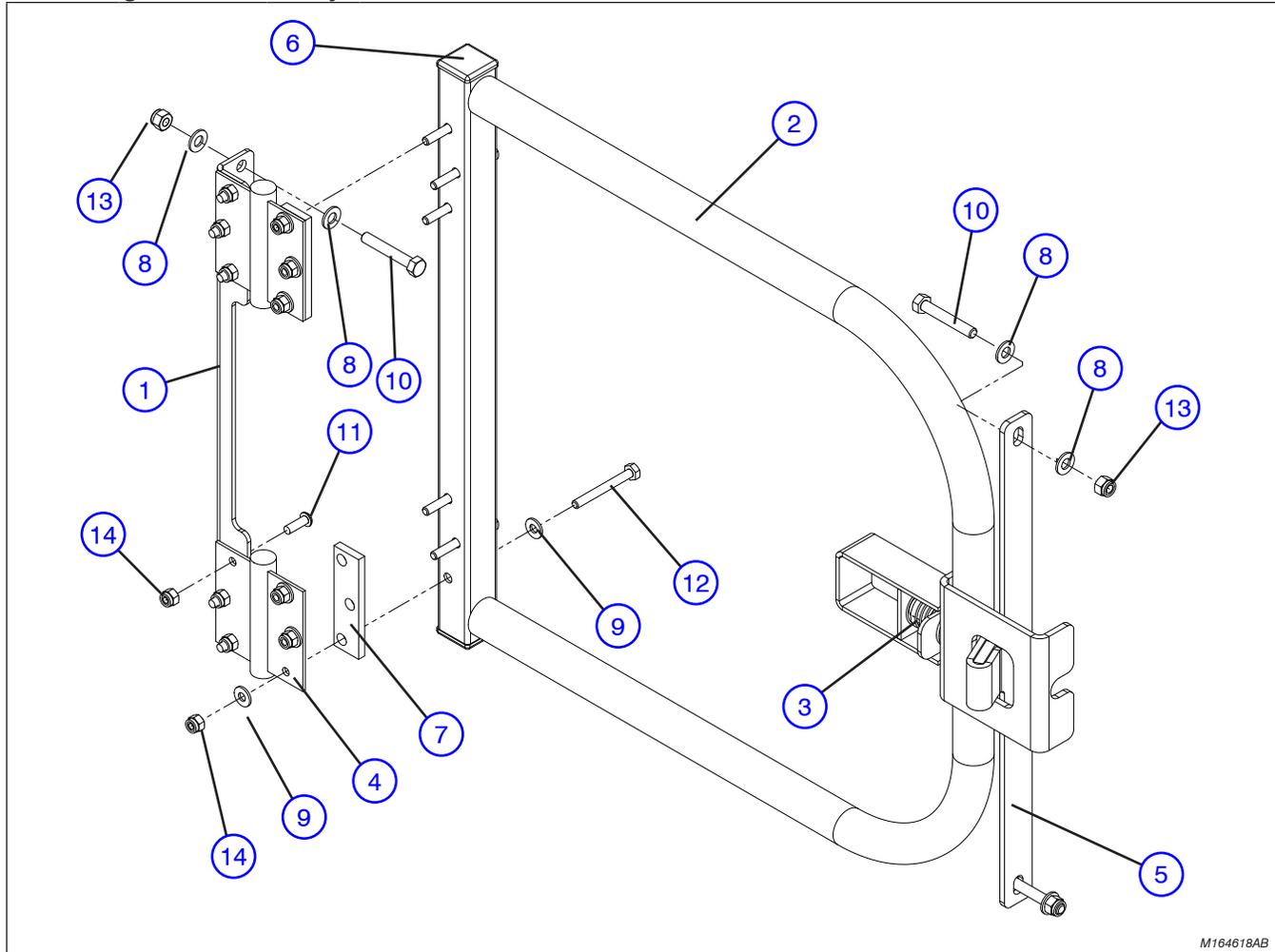
1.4 Platform Base Assembly (CE)



M154313AB-Base

Index No.	Skyjack Part No.	Qty.	Description
A	154292	-	PLATFORM BASE ASSEMBLY (36" x 96")
B	154361	-	PLATFORM BASE ASSEMBLY (36" x 72")
1	154291	1	• WELDMENT, Platform base (36" x 96")
	154310	1	• WELDMENT, Platform base (36" x 72")
2	144363	1	• LOAD CELL, Moba
3	154289	1	• MOUNT, Rotary actuator
4	104379	8	• WASHER, Flat hardened (1/2")
5	144329	8	• WASHER, Flat (M16)
6	144575	4	• BOLT, Hex head (1/2"-13 x 2 1/2" Grade 8, Zinc)
7	144502	8	• BOLT, Hex head patch (M16 x 1.5 x 45 Grade 8.8, Zinc)
8	144365	2	• WASHER, Safety
9	144574	4	• SPACER, Load cell
10	138791	4	• NUT, Torque lock (1/2"-13 Grade C)
11	125959	8	WASHER, Flat hardened (3/8")
12	102646	1	WASHER, Flat (1")
13	139193	8	BOLT, Hex head patch (3/8"-16 x 7/8" Grade 8, Zinc)
14	138696	1	BOLT, Hex head (1"-8 x 10 1/2" Grade 8, Zinc)
15	138559	1	NUT, Torque lock (1"-8 Grade C)

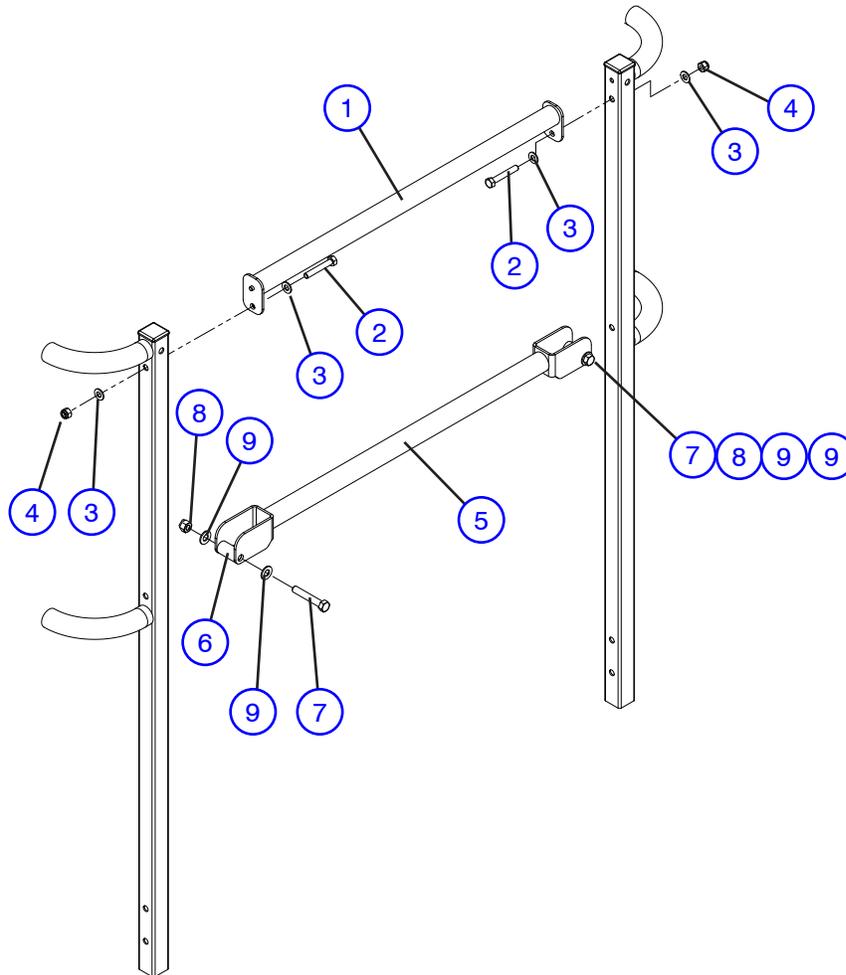
1.5 Swing Gate Assembly



M164618AB

Index No.	Skyjack Part No.	Qty.	Description
-	164618	-	SWING GATE ASSEMBLY
1	164590	1	• BRACKET, Hinge mounting
2	164619	1	• WELDMENT, Gate
3	110824	1	• LATCH, Door spring pin
4	117277	2	• HINGE, Spring
5	166287	1	• PLATE, Locking
6	100702	2	• CAP, End
7	164592	2	• TAB, Hinge
8	103996	8	• WASHER, Flat (5/16")
9	103995	12	• WASHER, Flat (1/4")
10	103865	4	• BOLT, Hex head (5/16"-18 x 2.00, Grade 5)
11	139168	6	• SCREW, Button head cap (1/4"-20 x 0.75")
12	103862	6	• BOLT, Hex head (1/4"-20 x 2.25, Grade 5)
13	103984	4	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
14	115649	12	• NUT, Hex head nylon lock (1/4"-20, Grade 5)

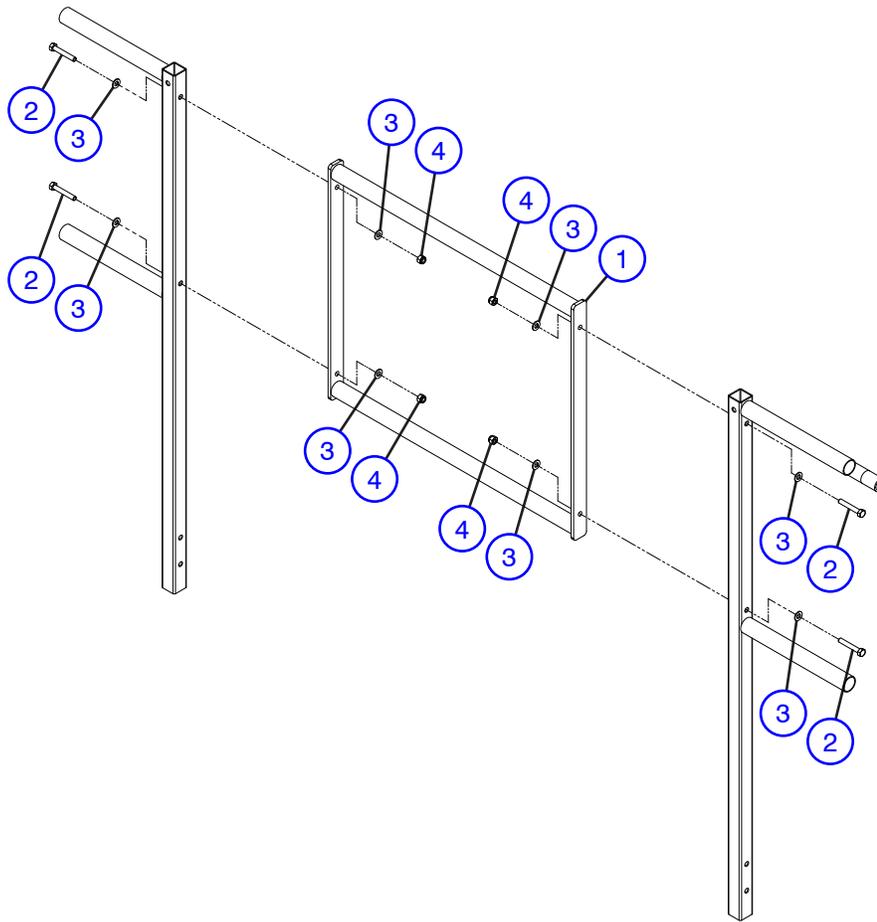
1.6 Drop Bar Gate



M160707AA

Index No.	Skyjack Part No.	Qty.	Description
-	160707	3	DROP BAR GATE ASSEMBLY
1	160708	1	• • WELDMENT, Tie bar
2	103866	2	• • BOLT, Hex head (5/16"-18 x 2.25" Grade 5)
3	103996	4	• • WASHER, Flat (5/16")
4	103984	2	• • NUT, Hex lock (5/16"-18 Grade 5, nylon)
-	162965	1	• ASSEMBLY, Drop bar
5	162958	1	• • WELDMENT, Drop bar
6	154386	2	• • SPACER, Drop bar (3/4" OD x 1 3/8")
7	103872	2	• • BOLT, Hex head (3/8"-16 x 2 1/4" Grade 5)
8	104606	2	• • NUT, Hex lock (3/8"-16 Grade 5, nylon)
9	103472	4	• • WASHER, Flat (3/8")

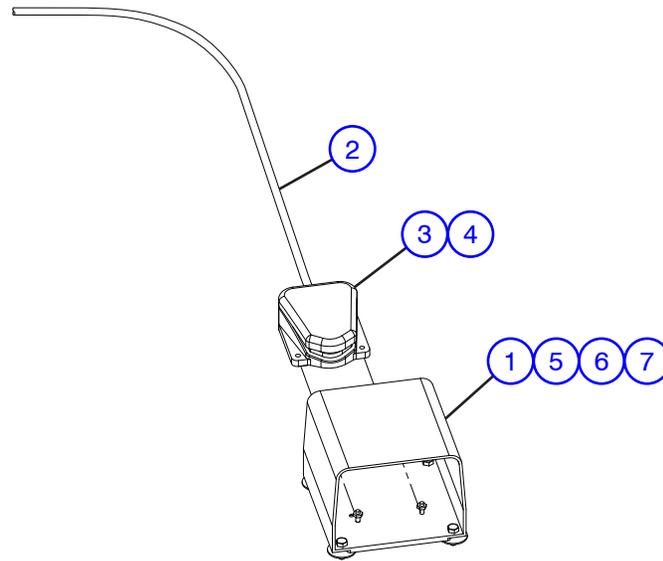
1.7 Railing Extension (No Gate)



M154313AC-Railing Ext

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	RAILING EXTENSION ASSEMBLY
1	159456	1	• WELDMENT, Railing Extension
2	103866	4	• BOLT, Hex head (5/16"-18 x 2.25" Grade 5)
3	103996	8	• WASHER, Flat (5/16")
4	103984	4	NUT, Hex head nylon lock (5/16"-18 Grade B)

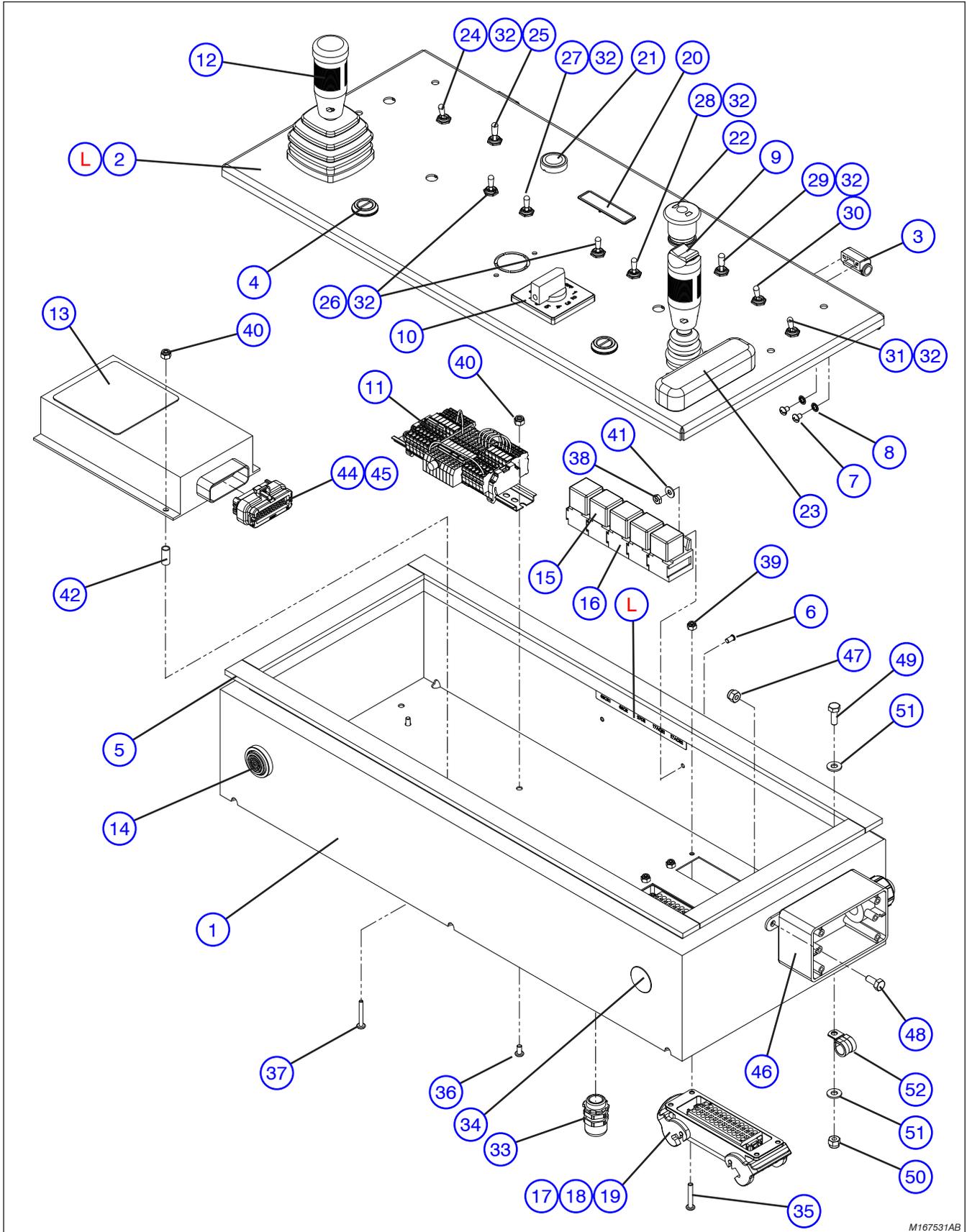
1.8 Footswitch



M154127AC

Index No.	Skyjack Part No.	Qty.	Description
-	154127	-	PLATFORM FOOTSWITCH ASSEMBLY
1	700188	1	• COVER, Footswitch
2	700187	1	• FOOTSWITCH
3	139688	2	• SCREW, Flat head machine (1/4"-20 x 1", Zinc)
4	130017	2	• NUT, K-lock (#10-32, Zinc)
5	103891	4	BOLT, Hex head (1/4"-20 x 7/8" Grade 5)
6	700598	4	WASHER, Fender
7	115649	8	NUT, Hex lock (1/4"-20 Grade 5, nylon)

1.9 Platform Control Console

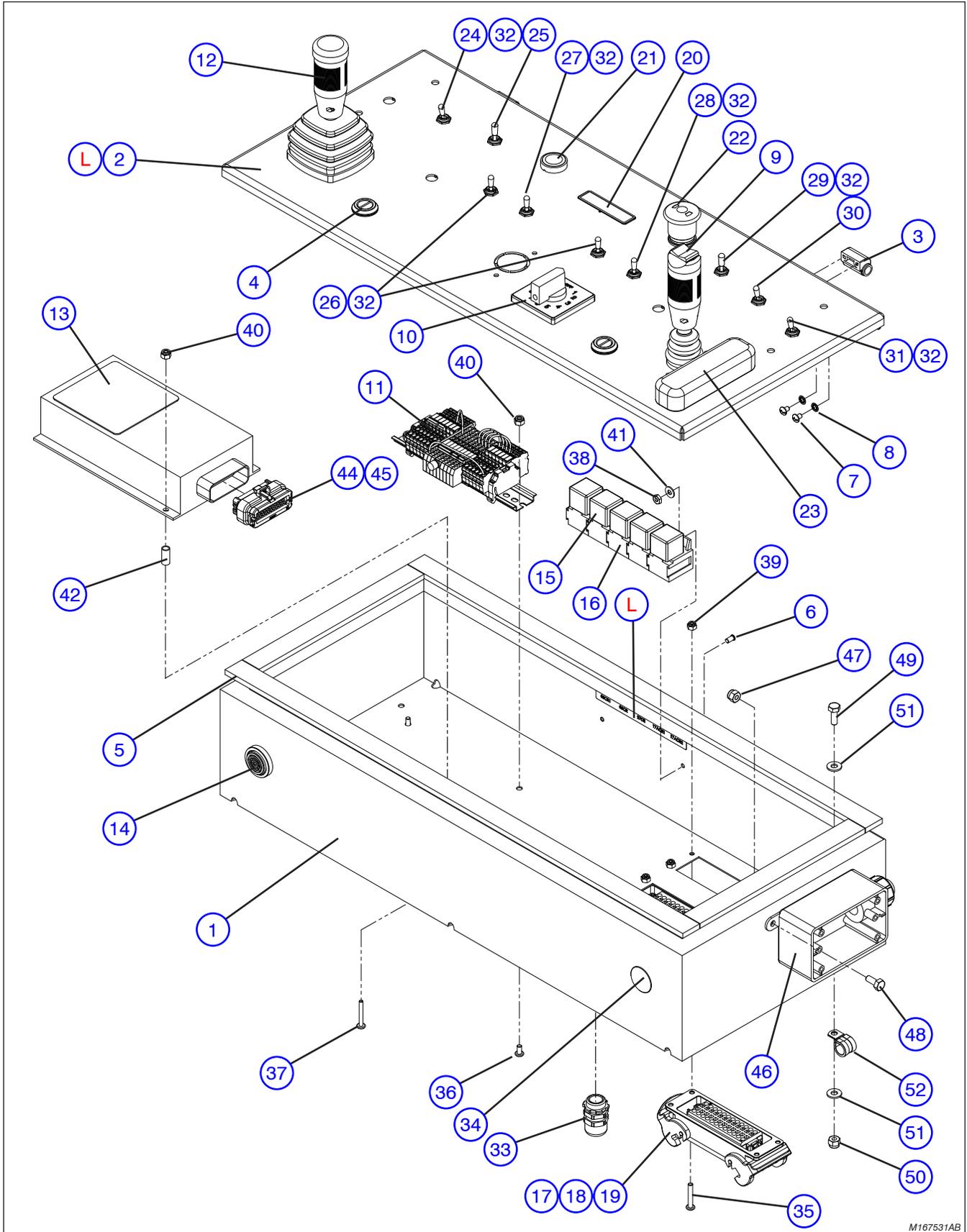


M167531AB

Index No.	Skyjack Part No.	Qty.	Description
A	167531	-	PLATFORM CONTROL BOX ASSEMBLY (61T ANSI/CSA - GM & Kubota)
B	162378	-	PLATFORM CONTROL BOX ASSEMBLY (61T ANSI/CSA - Deutz)
C	162380	-	PLATFORM CONTROL BOX ASSEMBLY (66T ANSI/CSA - GM & Kubota)
D	162382	-	PLATFORM CONTROL BOX ASSEMBLY (66T ANSI/CSA - Deutz)
E	170007	-	PLATFORM CONTROL BOX ASSEMBLY (66T CE - Deutz)
F	167529	-	PLATFORM CONTROL BOX ASSEMBLY (66T AS - Deutz)
-	154122	-	• PLATFORM CONTROL BOX
1	154123	1	• • BODY, Platform control box
2	154124	1	• • LID, Platform control box
3	149384	1	• • HINGE, Nylon - LH
	149385	1	• • HINGE, Nylon - RH
4	138715	2	• • LATCH, Slotted door
5	138334	1	• • STRIP, Weather
6	159879	2	• • STUD, Pem alum (#10-32 x 0.375")
7	103959	8	• • SCREW, Round head machine (#10-32 x 1/4")
8	163512	8	• • NUT, Lock int tooth (#10)
9	(Ref.)	-	• CONTROLLER, Drive/Steer (Single Axis) (For components, refer to Section 1.11)
10	138226	1	• CONTROLLER, Function Speed (Unidirectional)
	198762	1	• • KNOB, Rotary controller
11	(Ref.)	1	• PLATFORM CONTROL BOX TERMINAL STRIP (For components, refer to Section 1.12)
12	(Ref.)	-	• CONTROLLER, Boom Turret (Dual Axis) (For components, refer to Section 1.10)
13	164994	1	• MODULE, Controller - SCM, A, B, C, D, F
	170006	1	• MODULE, Controller - SCM, E
14	103057	1	• BEEPER, 4-28VDC Slow pulsing
15	127131	6	• RELAY, 12V (40 AMP) A, B, C, D
		8	• RELAY, 12V (40 AMP) E ,
		9	• RELAY, 12V (40 AMP) F
16	138749	6	• SOCKET, Automotive relay A, B, C, D
		8	• SOCKET, Automotive relay E
		9	• SOCKET, Automotive relay F
17	138751	2	• HOUSING, Open bottom 24 pin levered
18	138756	1	• SOCKET, 24 Pin spring (16A)
19	138755	1	• PLUG, 24 Pin spring (16A)
20	138229	1	• MODULE, Upper indicating
	139203	6	• • BULB, 12V
21	144648	1	• PUSHBUTTON, Horn A, B, C, D
	147056	1	• • LATCH, Mounting
	147054	1	• • BLOCK, NO Contact
	147058	1	• • SWITCH HEAD, Horn pushbutton
22	144647	1	• SWITCH, Emergency stop
	147056	1	• • LATCH, Mounting
	147053	2	• • BLOCK, NC Contact
	147229	1	• • SWITCH, LED Block (Red)
	147051	1	• • SWITCH HEAD, Emergency stop

Parts list continued on the following page.

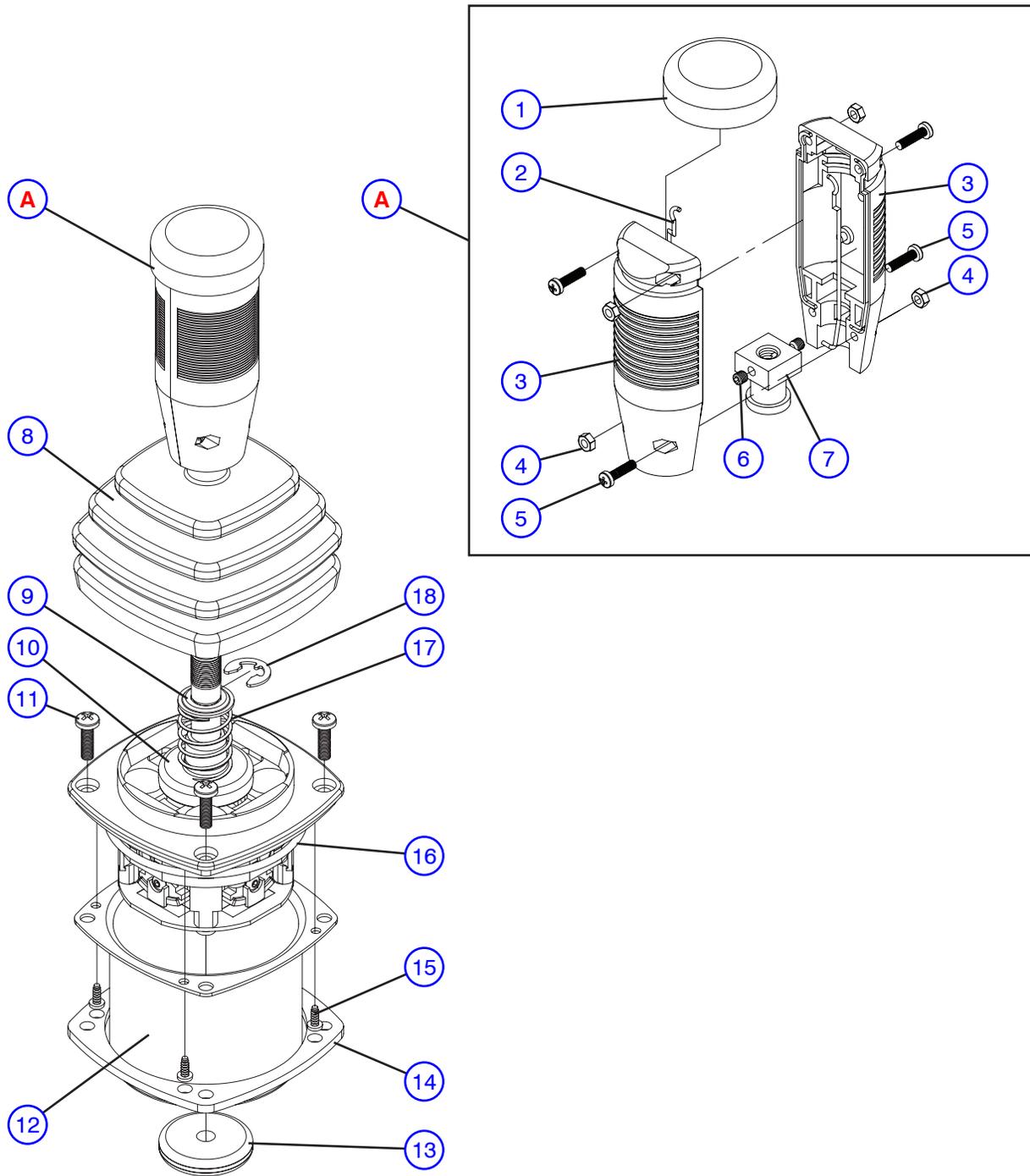
1.9 Platform Control Console (continued)



M167531AB

Index No.	Skyjack Part No.	Qty.	Description
Parts list continued from the previous page.			
23	149402	1	• HANDREST
24	115747	1	• SWITCH, Toggle A, C
25	124446	1	• SWITCH, Toggle
26	102853	2	• SWITCH, Toggle
27	102853	1	• SWITCH, Toggle A, B, C, D
	138279	1	• SWITCH, Toggle E, F
28	102853	1	• SWITCH, Toggle C, D, E, F
29	138279	1	• SWITCH, Toggle
30	115574	1	• SWITCH, Toggle
31	115747	1	• SWITCH, Toggle
32	144016	8	• SEAL, Panel bushing A, D, E, F
		7	• SEAL, Panel bushing B
		9	• SEAL, Panel bushing C
33	103036	2	• CONNECTOR, Strain relief
34	131938	2	• PLUG, Hole - snap-in (1-1/8")
35	103957	8	• SCREW, Round head machine (#8-32 x 1/2")
36	115545	2	• SCREW, Round head machine (#10-32 x 3/8")
37	122498	4	• SCREW, Round head machine (10-32 x 1.25")
38	104003	2	• NUT, Hex head (10-32)
39	138765	8	• NUT, Hex lock (#8-32 Grade 5, nylon)
40	300450	6	• NUT, Hex lock (#10-32 Grade 5, nylon)
41	104694	2	• WASHER, Flat (10)
42	128571	4	• SLEEVE, Anti-vibration
43	102921	5	• DIODE 6A (not shown)
44	138379	1	• CONNECTOR, 8-pin plug
45	165612	1	• CONNECTOR, AMP - 35 way gray
46	(Ref.)	1	• OUTLET BOX, 110V (For components, refer to Section 5.5)
47	115649	2	• NUT, Hex head nylon (0.25"-20 gr 5)
48	103892	2	• BOLT, Hex head (0.25"-20 x 0.625" gr 5)
49	103856	4	BOLT, Hex head (0.25"-20 x 0.75" gr 5)
50	115649	4	NUT, Hex head nylon (0.25"-20 gr 5)
51	103995	8	WASHER, Flat (0.25")
52	103024	1	CLIP, Single (G8)
L	(Ref.)	-	LABELS (For components, refer to Section 10.2)

1.10 Boom / Turret Controller Assembly (Dual Axis)

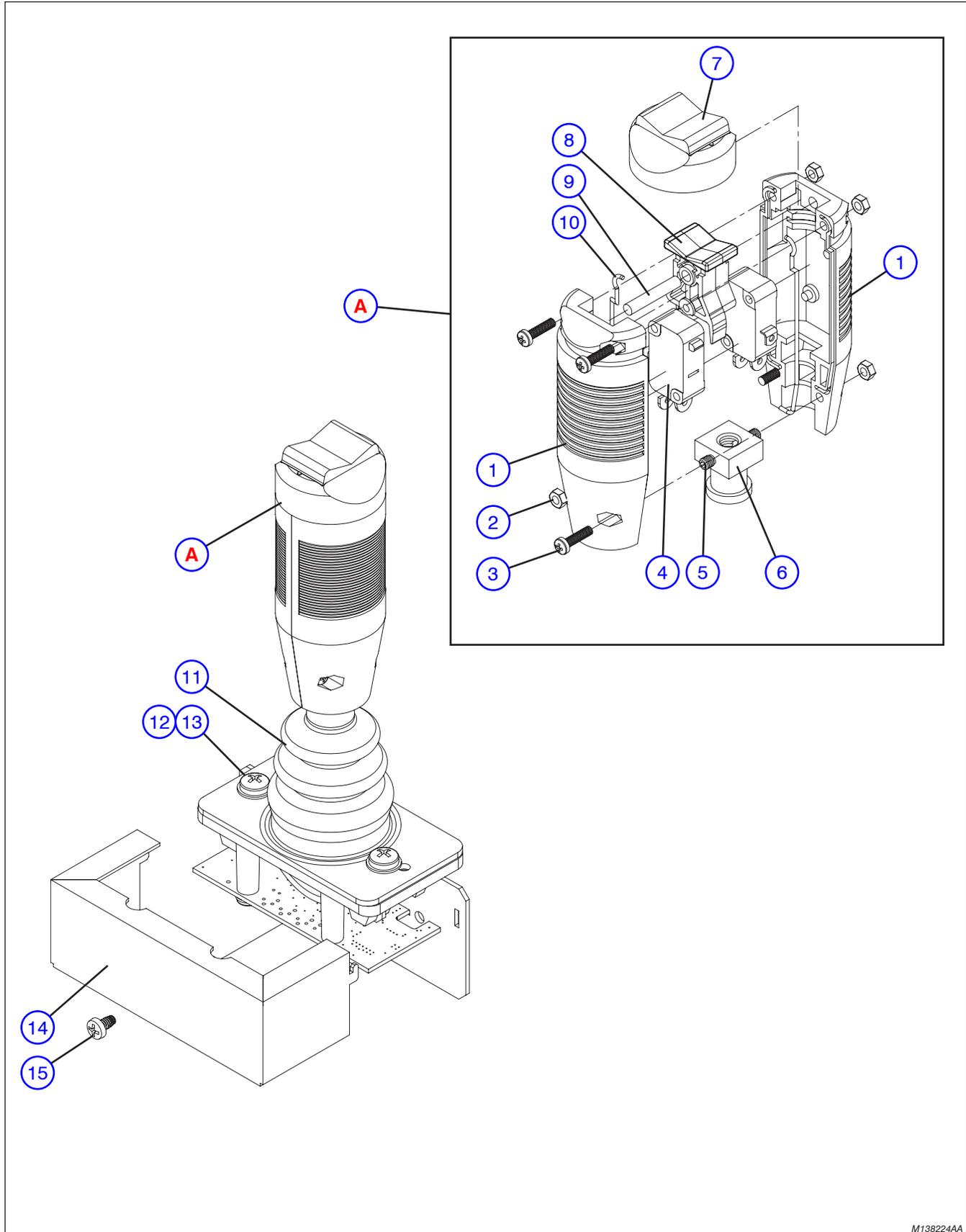


M138225AA

1.10 Boom / Turret Controller Assembly (Dual Axis)

Index No.	Skyjack Part No.	Qty.	Description
-	138225	1	BOOM / TURRET CONTROLLER ASSEMBLY (DUAL AXIS)
1	141326	1	• CAP, Rubber
2	141327	2	• GASKET
3	141325	1	• KIT, Handle
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

1.11 Drive / Steer Controller Assembly (Single Axis)

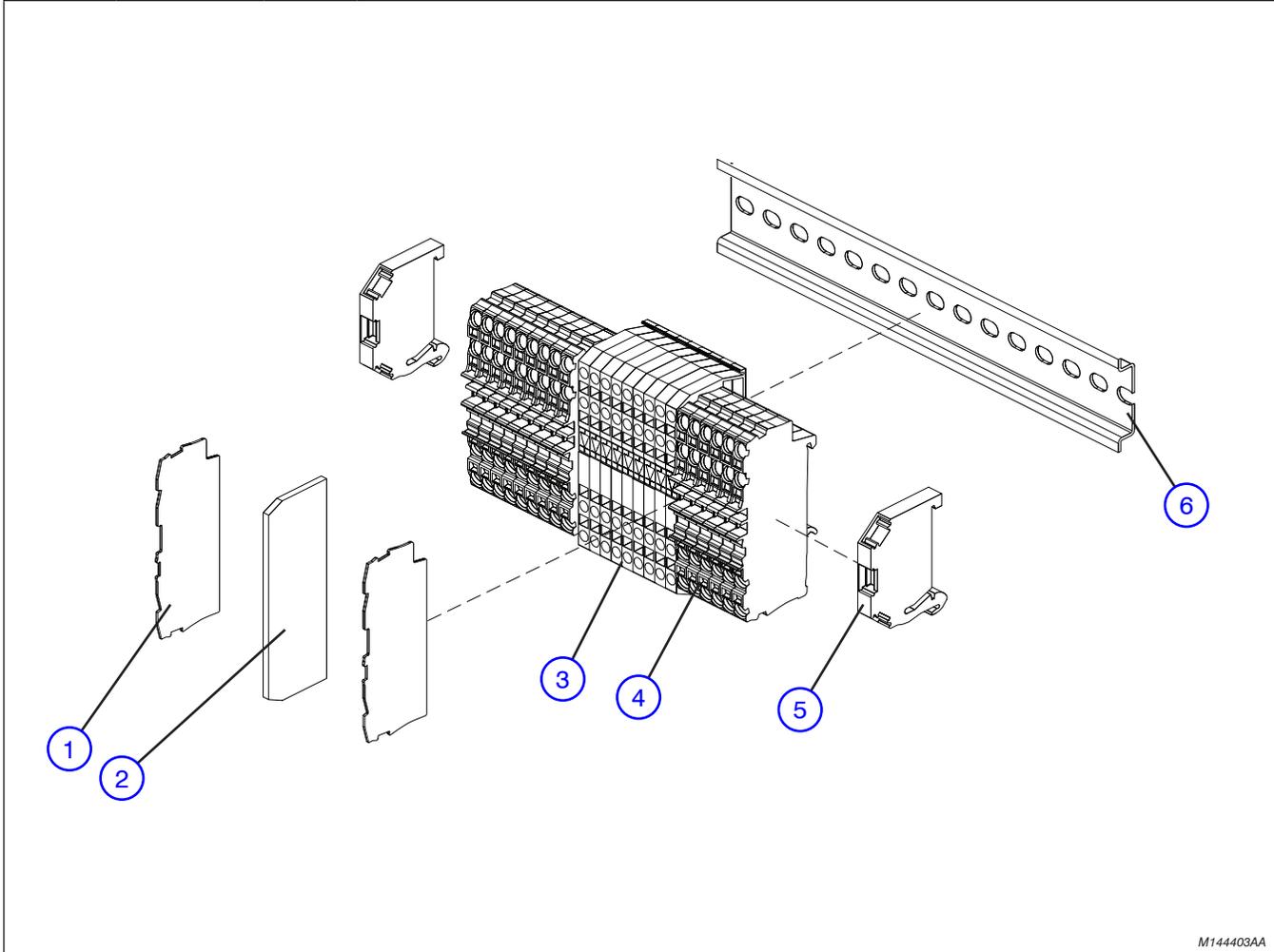


M138224AA

1.11 Drive / Steer Controller Assembly (Single Axis)

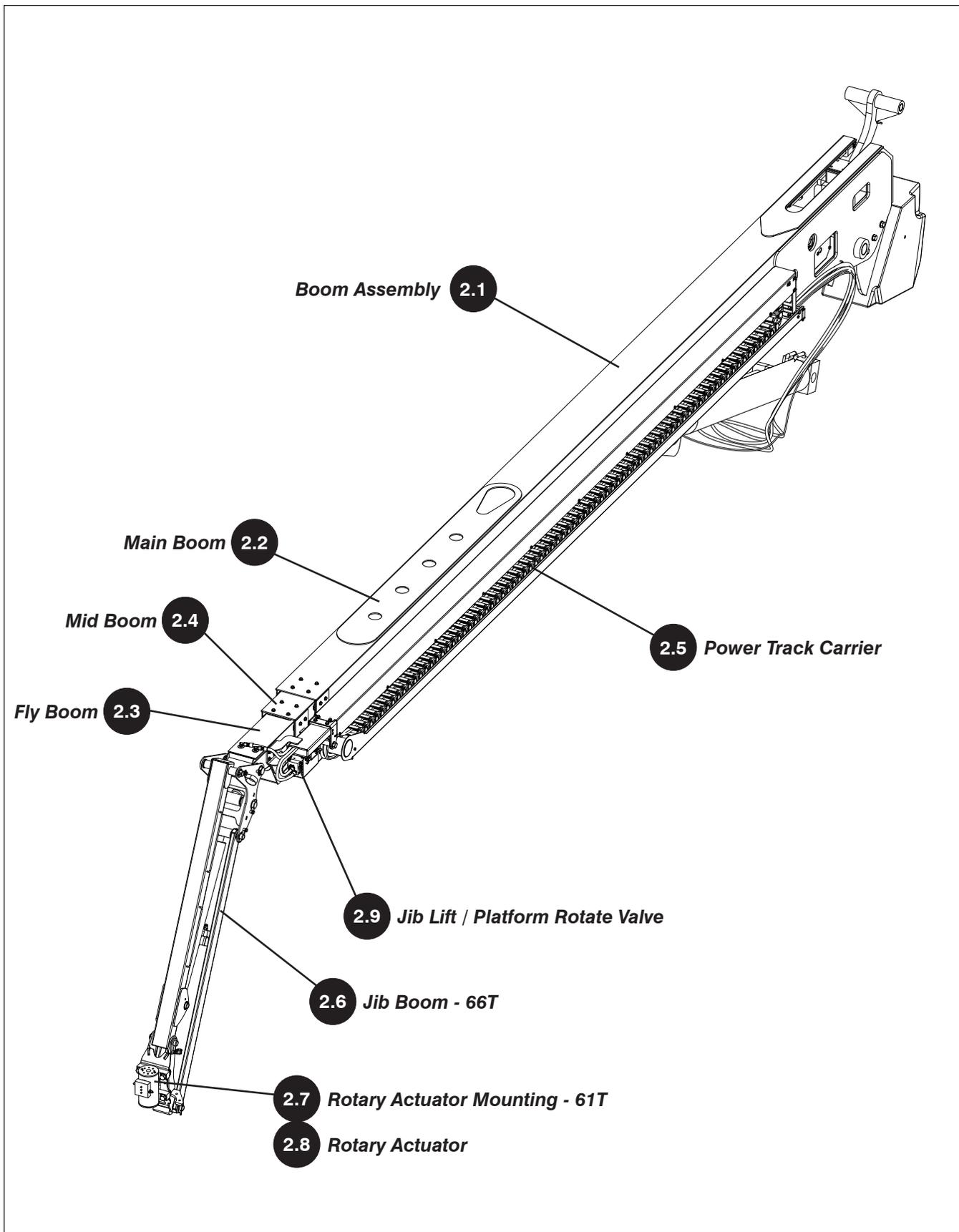
Index No.	Skyjack Part No.	Qty.	Description
-	138224	1	DRIVE / STEER CONTROLLER ASSEMBLY (SINGLE AXIS)
1	141338	1	• KIT, Handle
2	141328	4	• NUT
3	141329	4	• SCREW
4	141342	2	• MICROSWITCH
5	141331	2	• SCREW, Set
6	141343	1	• COUPLING, (8 MM)
7	141339	1	• CAP, Rubber
8	141340	1	• ROCKER
9	141341	1	• ROCKER, Axel
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

1.12 Platform Terminal Strip

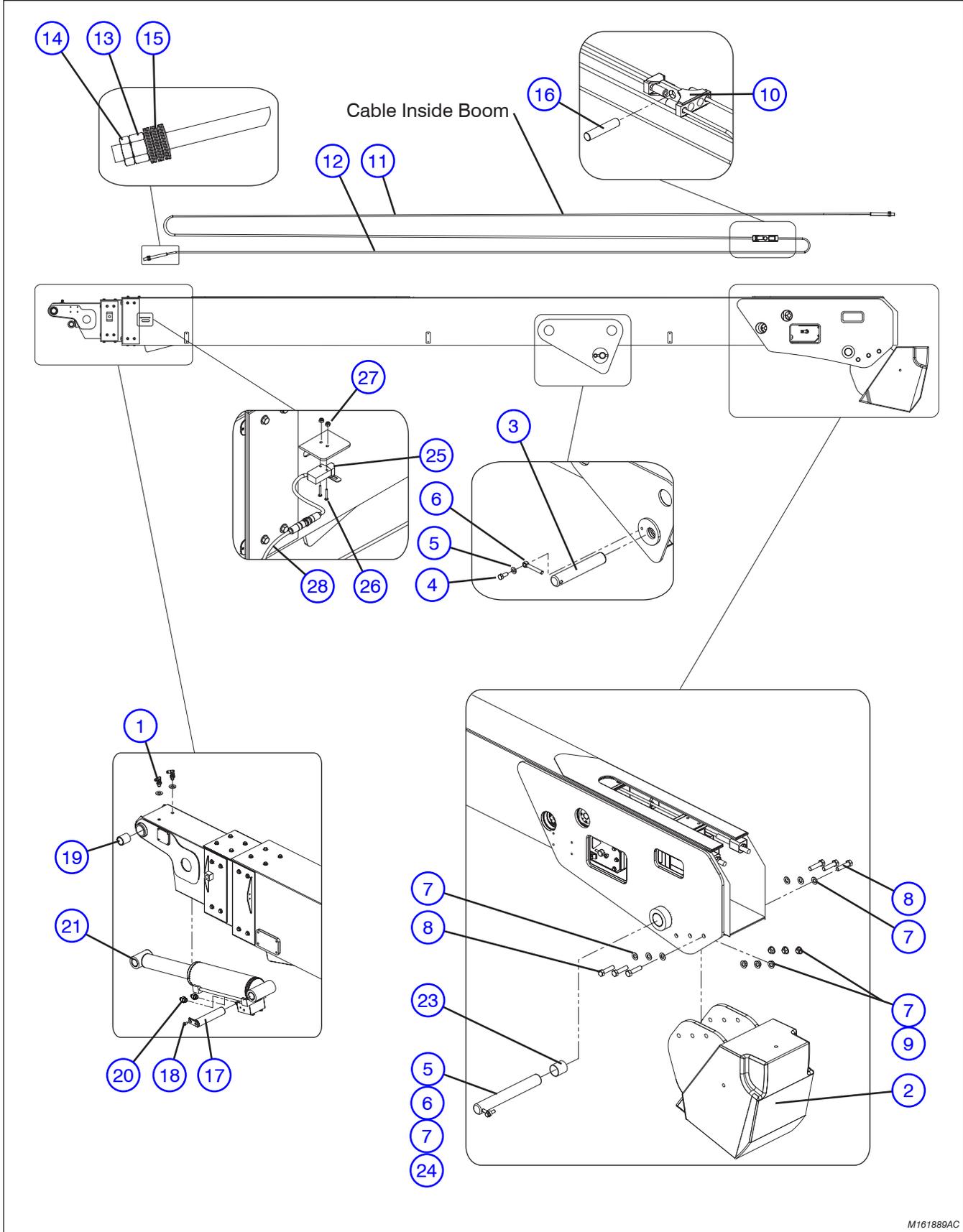


M144403AA

Index No.	Skyjack Part No.	Qty.	Description
A	138613	1	TERMINAL STRIP, Platform (ANSI/CSA)
B	144403	1	TERMINAL STRIP, Platform (CE)
1	137941	2	• END PLATE
2	707146	1	• SEPARATOR
3	707145	9	• TERMINAL BLOCK, Diode A
		10	• TERMINAL BLOCK, Diode B
4	137940	13	• TERMINAL BLOCK, Through A
		14	• TERMINAL BLOCK, Through B
5	707147	2	• END STOP
6	102874	7.25"	• DIN RAIL



2.1 Boom Assembly

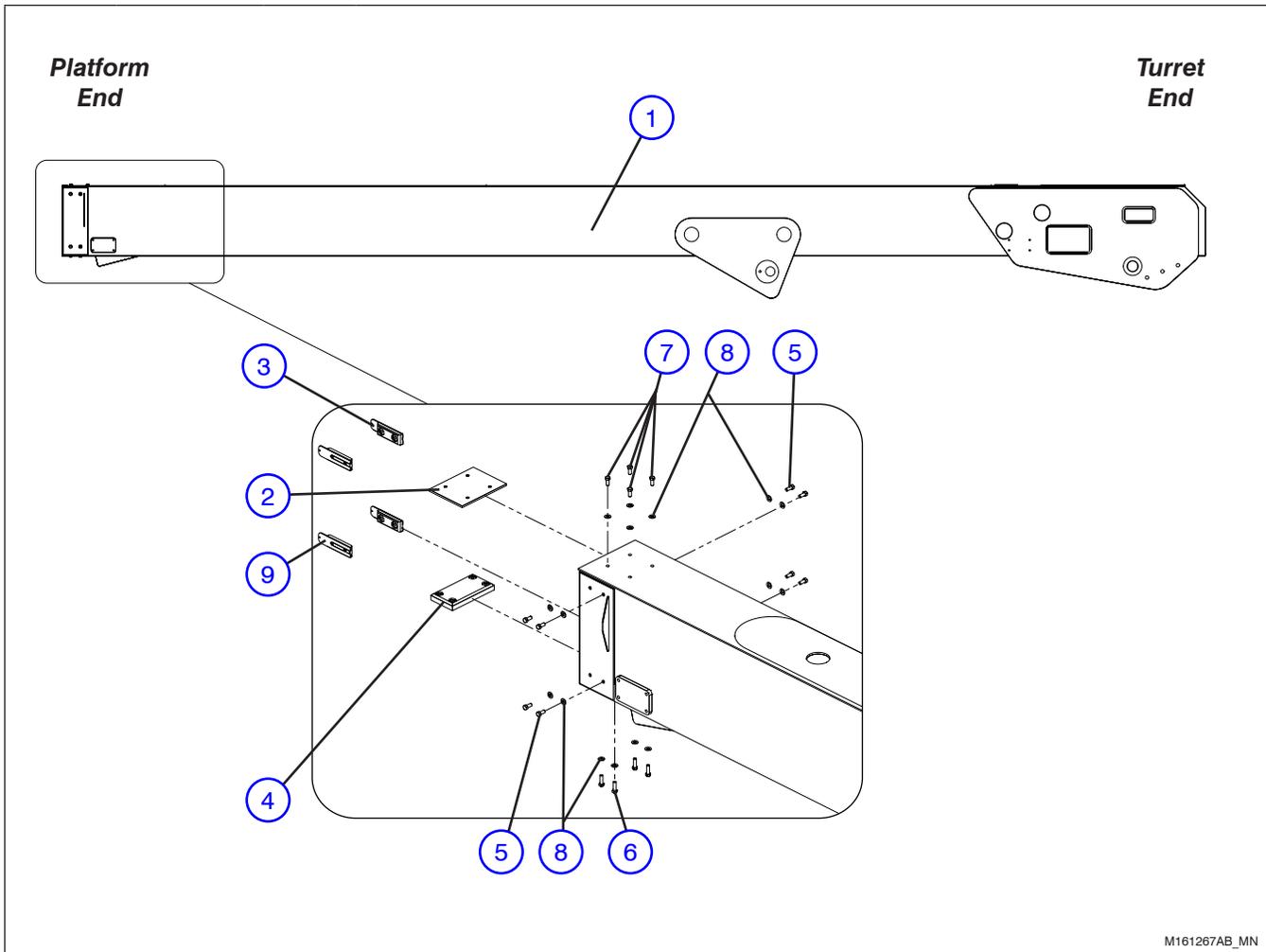


M161889AC

2.1 Boom Assembly

Index No.	Skyjack Part No.	Qty.	Description
1	138986	2	FITTING, bulkhead, 90° (06 JICM - 06 JICM)
2	146701	1	COUNTERWEIGHT, Boom
3	146725	1	PIN, Rod end (lift cylinder)
4	103899	1	BOLT, Hex head (5/8"-11 x 1 1/2" Grade 5)
5	100352	3	WASHER, Flat (5/8")
6	146898	3	PIN, KEEPER (5/8")
7	103990	13	WASHER, Flat (3/4")
8	103894	6	BOLT, Hex head (3/4"-10 x 3" Grade 8)
9	700575	6	NUT, Torque lock (3/4"-10, Grade C)
-	163621	1	WIRE ROPE ASSEMBLY
10	146832	1	• WELDMENT, Cable support
11	163651	2	• WIRE ROPE, Upper
12	163650	2	• WIRE ROPE, Lower
13	705240	4	• NUT, Hex head (0.75"-10 Grade 5)
14	100252	4	• NUT, Hex head jam (0.75"-10 Grade 5)
15	158208	48	• SPRING, DISC (3/8")
16	146727	1	PIN, Cable
17	144688	1	PIN WELDMENT, Slave cylinder
18	704642	1	SCREW, Flat head cap (5/16"-18 x 3/4" Grade 5)
19	101564	2	BUSHING, Fiberglide (1.75" ID x 1.5" long)
20	103070	2	FITTING, Straight (06 JICM - 08 ORBM)
21	(Ref.)	1	CYLINDER, Slave (For components, refer to Section 3.6)
22	146713	1	WELDMENT, Link
23	147461	2	BUSHING, Fiberglide (2.5" ID x 2.6875" OD x 2.5" long)
24	162939	1	PIN, Main
-	163724	1	LIMIT SWITCH ASSEMBLY
25	160018	1	• SWITCH, Limit
26	112248	2	• SCREW, Round head machine (8-32 x 1.00")
27	138765	2	• NUT, Hex head nylon lock (8-32, Grade 5)
28	163727	1	• CORD

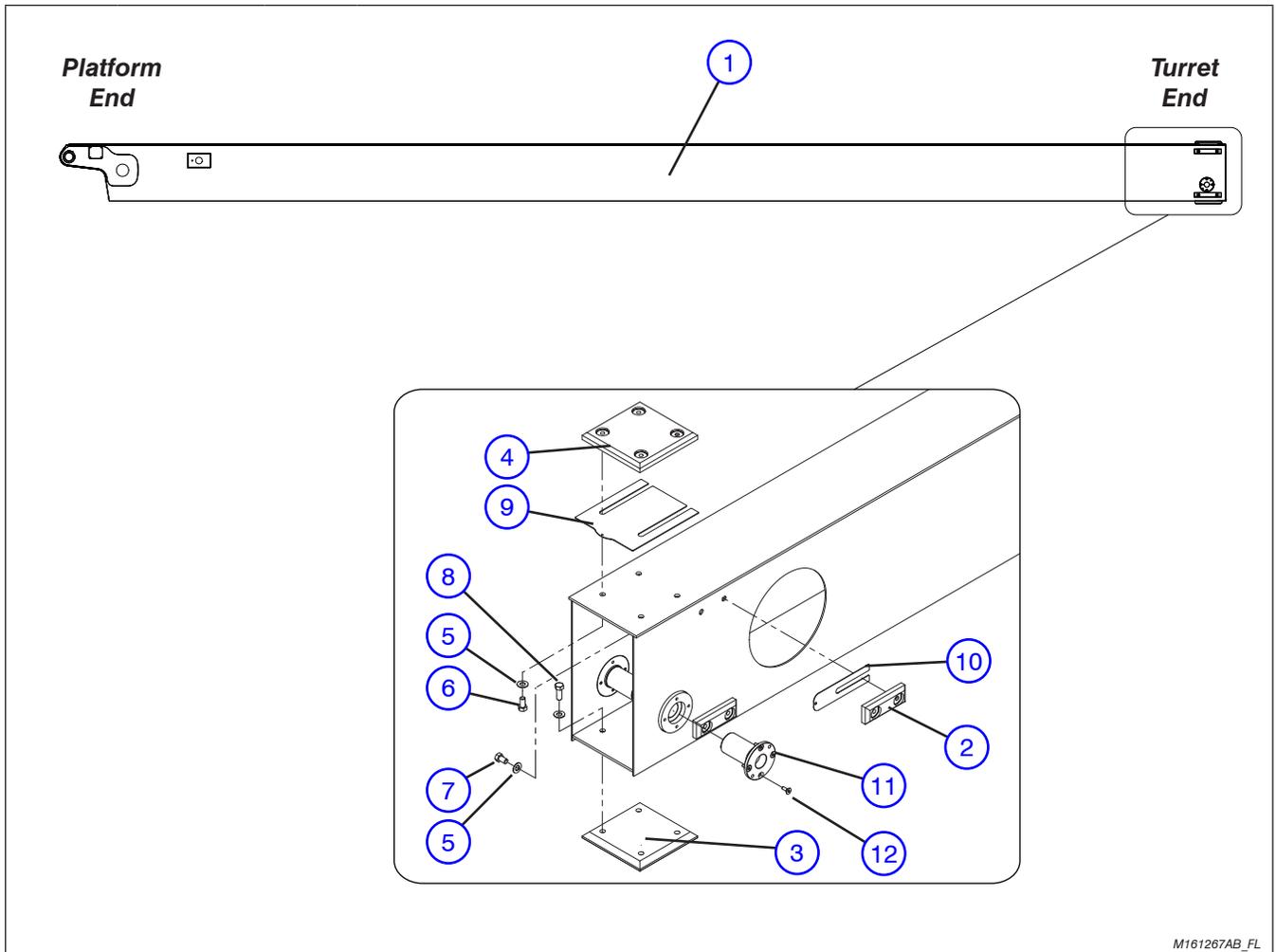
2.2 Main Boom Assembly



M161267AB_MN

Index No.	Skyjack Part No.	Qty.	Description
1	161264	1	WELDMENT, Main boom
2	146789	1	PAD, Top (Main boom)
3	146788	4	PAD, Side (Main boom)
4	146790	1	PAD, Bottom (Main boom)
5	300437	8	BOLT, Hex head (0.375"-16 x 0.875" Grade 5)
6	101297	4	BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
7	101632	4	BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
8	103472	16	WASHER, Flat (0.375")
9	147559	AR	SHIM, 12 Gauge
	147560	AR	SHIM, 14 Gauge
	159234	AR	SHIM, 18 Gauge
	150956	AR	SHIM, 21 Gauge

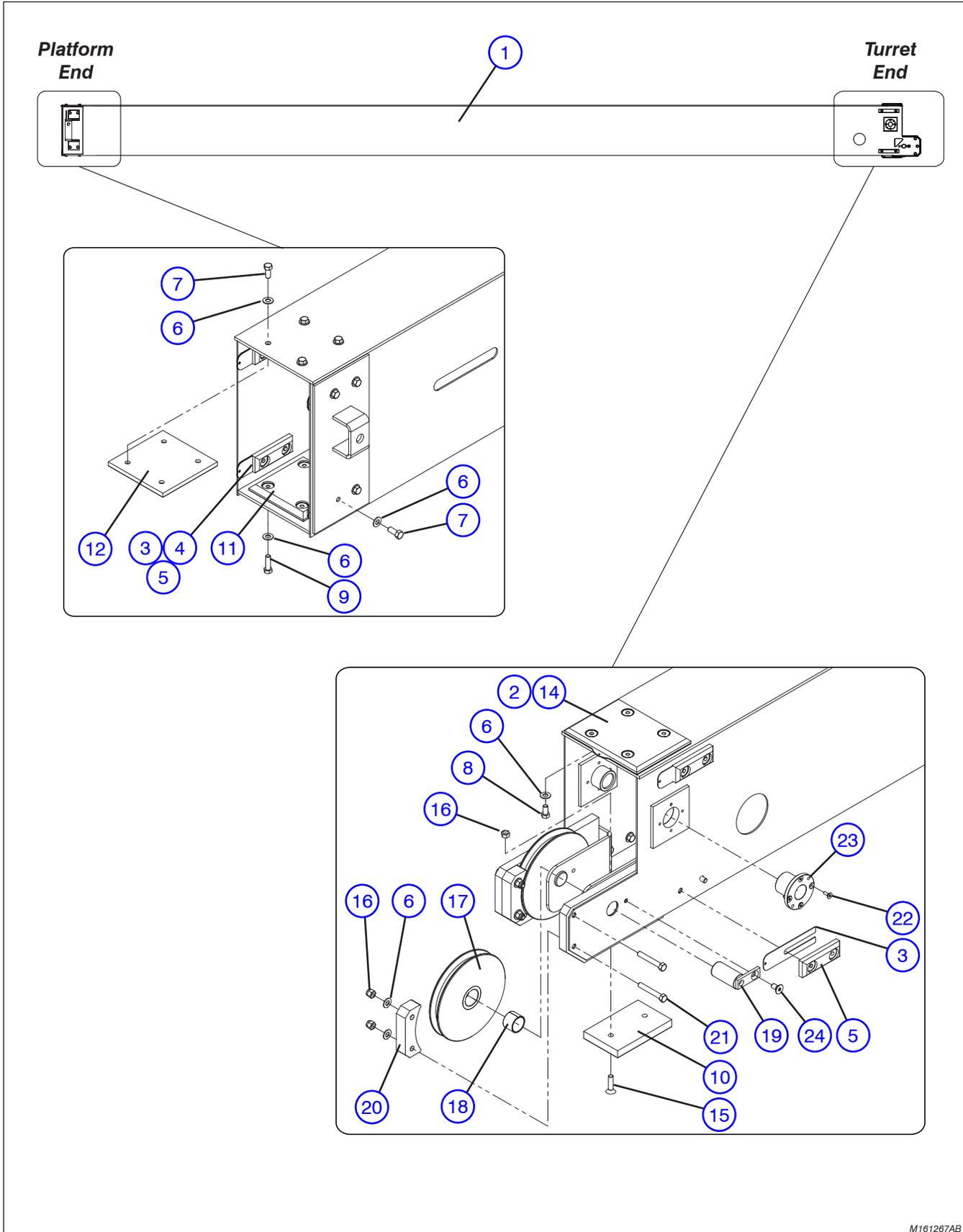
2.3 Fly Boom Assembly



M161267AB_FL

Index No.	Skyjack Part No.	Qty.	Description
1	161266	1	WELDMENT, Fly boom
2	146788	4	PAD, Side
3	161755	1	PAD, Bottom
4	147447	1	PAD, Top
5	103472	16	WASHER, Flat (0.375")
6	101632	4	BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
7	138464	8	BOLT, Hex head (0.375"-16 x 0.625" Grade 5)
8	103473	4	BOLT, Hex head (0.375"-16 x 1.00" Grade 5)
9	147568	AR	SHIM, 16 Gauge (top)
	147569	AR	SHIM, 21 Gauge (top)
10	159234	AR	SHIM, 18 Gauge (side)
	150956	AR	SHIM, 21 Gauge (side)
11	146774	2	PIN, Flange (fly boom)
12	110853	8	SCREW, Flat head cap (0.25"-20 x 0.625", Grade C)

2.4 Mid Boom Assembly

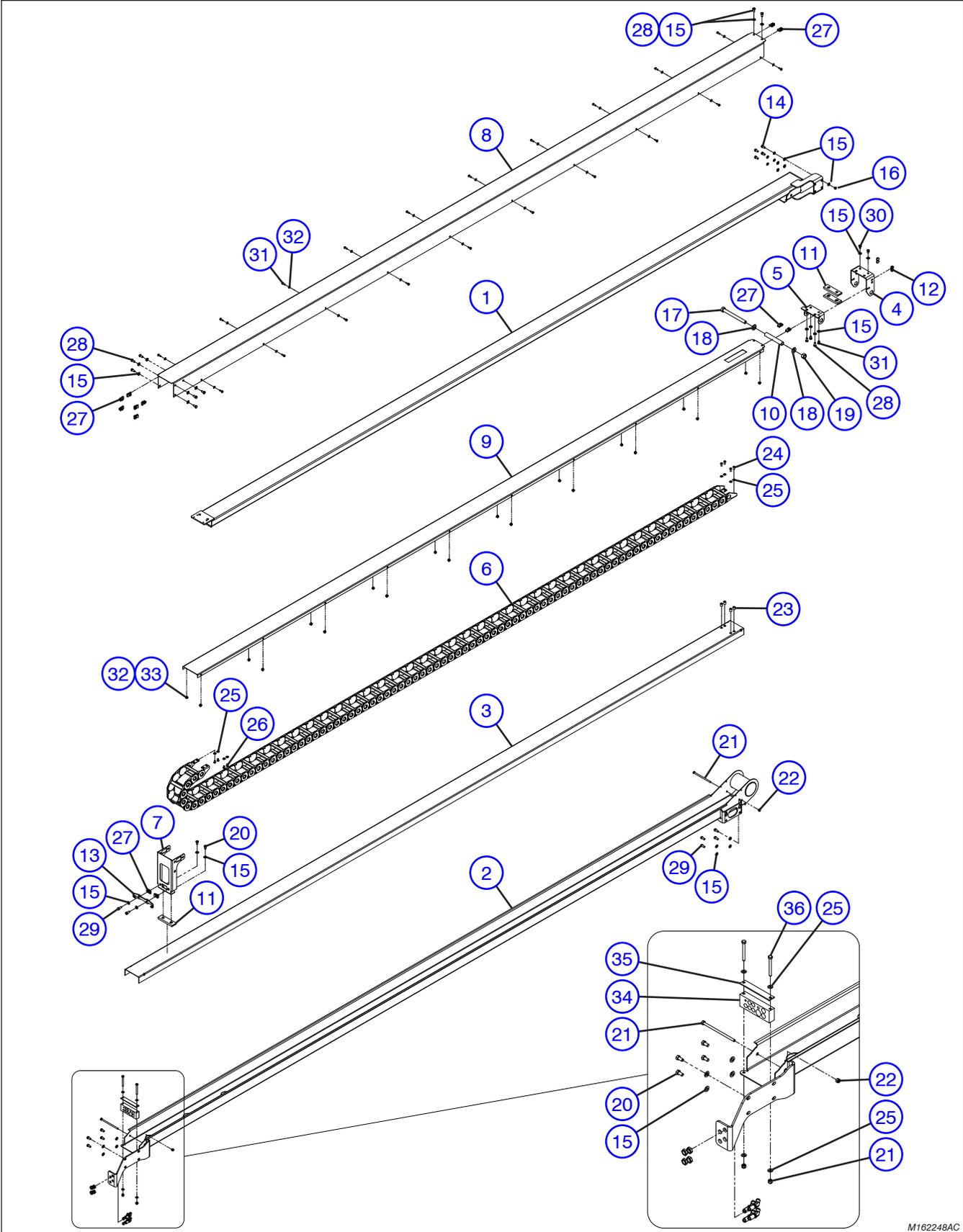


M161267AB

2.4 Mid Boom Assembly

Index No.	Skyjack Part No.	Qty.	Description
1	161265	1	WELDMENT, Mid boom
2	146789	1	PAD, Top
3	159234	AR	SHIM, 18 Gauge (side)
	150956	AR	SHIM, 21 Gauge (side)
4	147560	AR	SHIM, 14 Gauge (side)
	147559	AR	SHIM, 12 Gauge (side)
5	146788	8	PAD, Side
6	103472	24	WASHER, Flat (0.375")
7	300437	12	BOLT, Hex head (0.375"-16 x 0.875" Grade 5)
8	101632	4	BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
9	101297	4	BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
10	146787	1	PAD, Bottom
11	161755	1	PAD, Bottom (Mid boom)
12	147447	1	PAD, Top
13	138464	8	BOLT, Hex head (0.375"-16 x 0.625" Grade 5)
14	147567	AR	SHIM, 21 Gauge (Mid boom rear)
	147566	AR	SHIM, 16 Gauge (Mid boom rear)
15	144197	2	SCREW, Flat head cap (0.375"-16 x 1.50" Grade 5)
16	104606	6	NUT, Hex nylon lock (0.375"-16 Grade 5)
-	163716	2	SHEAVE ASSEMBLY
17	163715	1	• SHEAVE, Wire rope
18	148847	1	• BUSHING, CSJ 2016 (1.25" ID x1.00" long)
19	150950	2	PIN, PULLEY
20	163597	2	RETAINER, Wire rope
21	103873	4	BOLT, Hex head (0.375"-16" x 2.50" Grade 5)
22	110853	8	SCREW, Flat head cap (0.25"-20 x 0.625" Grade C)
23	146775	2	PIN, Flange
24	701620	2	SCREW, Flat head cap (0.375"-16 x 0.75" Grade C)

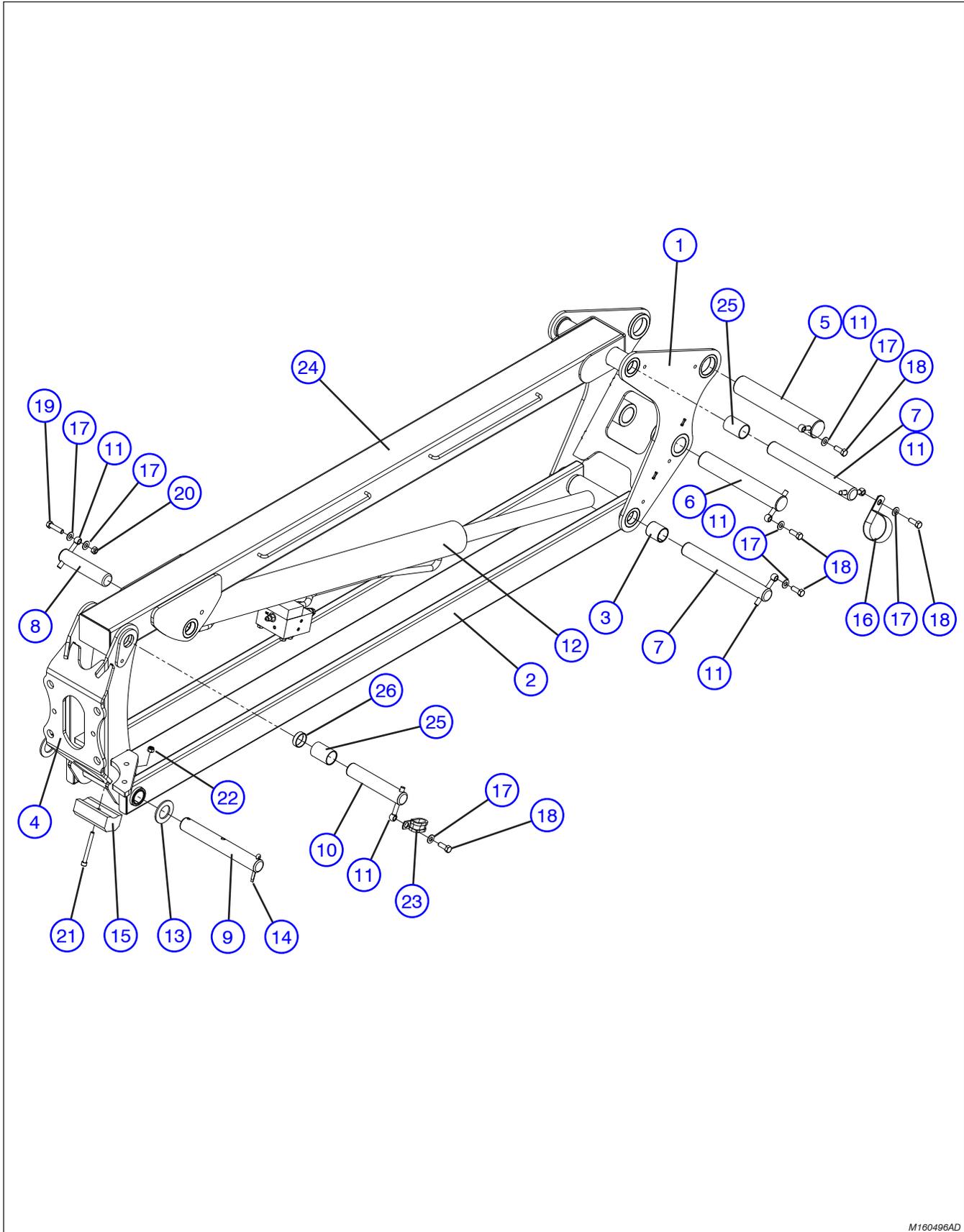
2.5 Power Track Carrier Assembly



M162248AC

Index No.	Skyjack Part No.	Qty.	Description
-	162248	1	POWER TRACK CARRIER ASSEMBLY
1	162247	1	• WELDMENT, Tube
2	162243	1	• WELDMENT, E-Chain track
3	162239	1	• FORM, E-Chain support
4	160578	1	• BRACKET, Tube guide
5	160577	1	• BRACKET, Tube guide (lower)
6	164914	1	• E-Chain
	170161	AR	• • LINK, E-Chain
	210075	AR	• • SEPARATOR, E-Chain
	195745	1	• • BRACKET SET, Mounting
7	161880	1	• BRACKET, E-Chain guide
8	162237	1	• COVER, E-Chain
9	162236	1	• COVER, E-Chain (lower)
10	160576	1	• TUBE, E-Chain guide
11	160416	3	• WEAR PAD, E-Chain
12	125433	4	• BUSHING, Slider
13	160415	1	• COVER PLATE- E-Chain retainer
14	101297	4	• BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
15	103472	32	• WASHER, Flat (3/8")
16	104606	4	• NUT, Hex head nylon lock (0.375"-16 Grade 5)
17	156724	1	• BOLT, Hex head (3/4"-10 x 8" Grade 8)
18	103990	2	• WASHER, Flat (3/4")
19	705240	1	• NUT, Hex head (3/4"-10 Grade 5)
20	138464	8	• BOLT, Hex head (3/8"-16 x 5/8" Grade 5)
21	162714	2	• BOLT, Hex head (5/16"-18 x 6" Grade 5)
22	103984	4	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
23	162464	4	• INSERT, AK Series (5/16"-18)
24	300064	4	• SCREW, Button head cap (5/16"-18 x 3/4")
25	103996	12	• WASHER, Flat (5/16")
26	103948	4	• SCREW, Button head cap (5/16"-18 x 1/2")
27	159294	12	• NUT, Speed clip (3/8"-16)
28	101632	10	• BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
29	300437	2	• BOLT, Hex head (3/8"-16 x 7/8" Grade 5)
30	152341	4	• BOLT, Hex head (3/8"-16 x 1/2" Grade 5)
31	103856	20	• BOLT, Hex head (1/4"-20 x 3/4" Grade 5)
32	103995	40	• WASHER, Flat (1/4")
33	115649	20	• NUT, Hex lock (1/4"-20 Grade 5, nylon)
34	138816	1	• CLAMP, Hose
35	710210	1	• PLATE, Hose guide
36	103867	2	• BOLT, Hex head (5/16"-18 x 3" Grade 5)

2.6 Jib Assembly - 66T

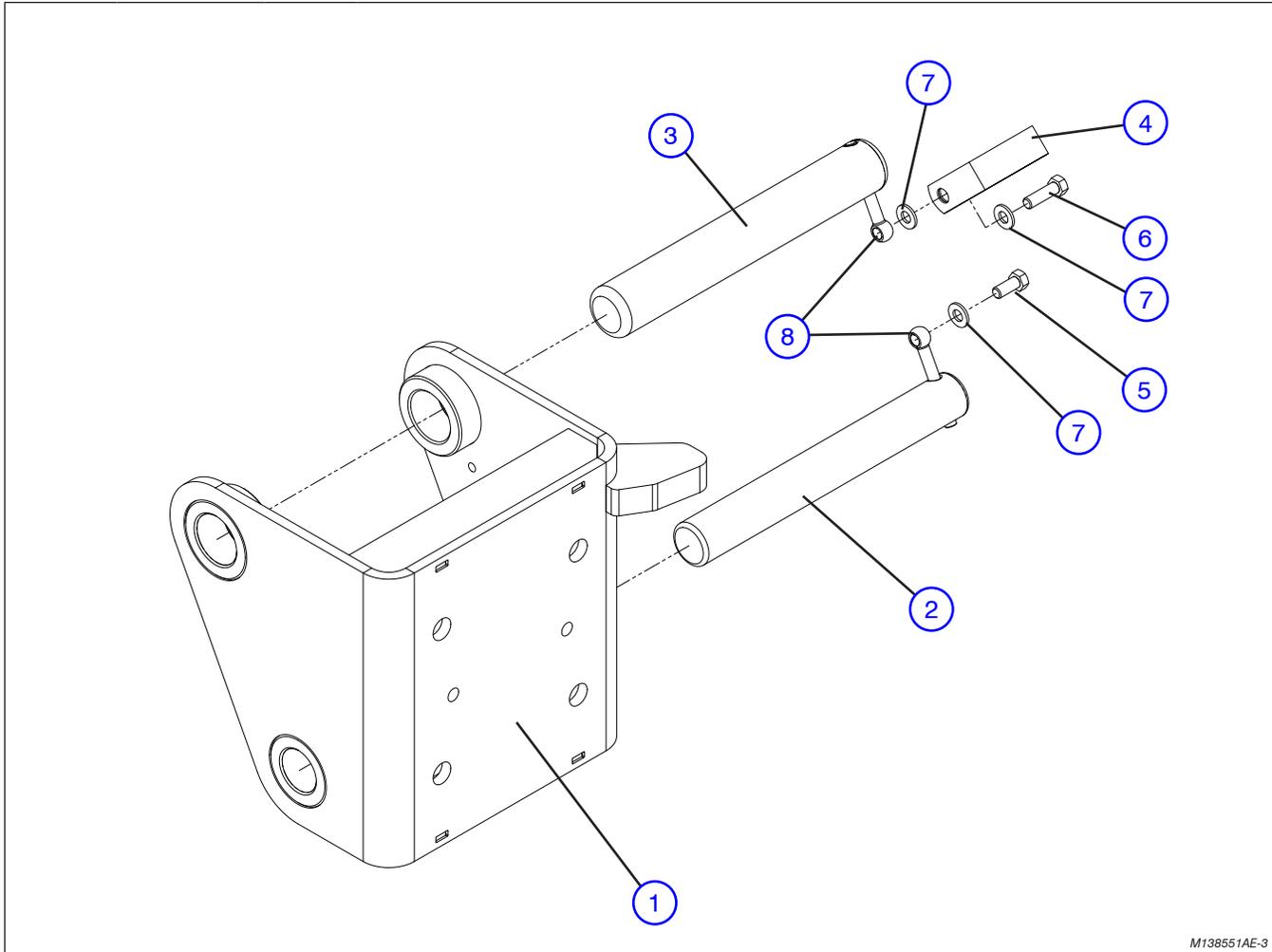


M160496AD

2.6 Jib Assembly - 66T

Index No.	Skyjack Part No.	Qty.	Description
-	160496	-	JIB ASSEMBLY (66T)
1	160497	1	• BRACKET WELDMENT, Jib
-	160499	2	• ARM ASSEMBLY, Lower
2	167846	1	• • ARM, Lower - Jib
3	125262	2	• • BUSHING, Jib
4	161956	1	• BRACKET, Rotator mount
5	160510	1	• PIN (1.75" OD x 10.063")
6	160511	1	• PIN (1.50" OD x 10.063")
7	154234	2	• PIN, Mounting bracket - jib
8	154235	1	• PIN, Mounting - jib cylinder
9	154237	1	• PIN, Mounting lower arm - rotator
10	162148	1	• PIN, Mounting top arm - rotator
11	146897	6	• PIN, Keeper
12	(Ref.)	1	• CYLINDER, Jib (For components, refer to Section 3.7)
13	122502	2	• WASHER, Flat (1-1/8" SAE)
14	103972	2	• PIN, Cotter (1/4" dia x 2" lg)
15	162144	1	• PAD, Jib
16	143987	1	• CLAMP, P Tube (2.5")
17	103472	7	• WASHER, Flat (0.375")
18	103473	5	• BOLT, Hex head (0.375"-16 x 1.00" Grade 5)
19	103870	1	• BOLT, Hex head (0.375"-16 x 1.50" Grade 5)
20	144238	1	• NUT, Torque lock (3/8"-16 Grade C)
21	162145	1	• SCREW, Socket head cap (0.312"-18 x 3.00)
22	103984	1	• NUT, Hex head nylon lock (0.312"-18 Grade 5)
23	152333	1	• CLAMP, Tube (5/8")
-	169007	1	• ARM ASSEMBLY, Upper - jib
24	160498	1	• • ARM, Upper - jib
25	125230	6	• • BUSHING, Fiberglide (1-1/4" dia x 2")
26	154239	1	• • SPACER (1.4" OD x 1.25" ID x 0.4" lg)

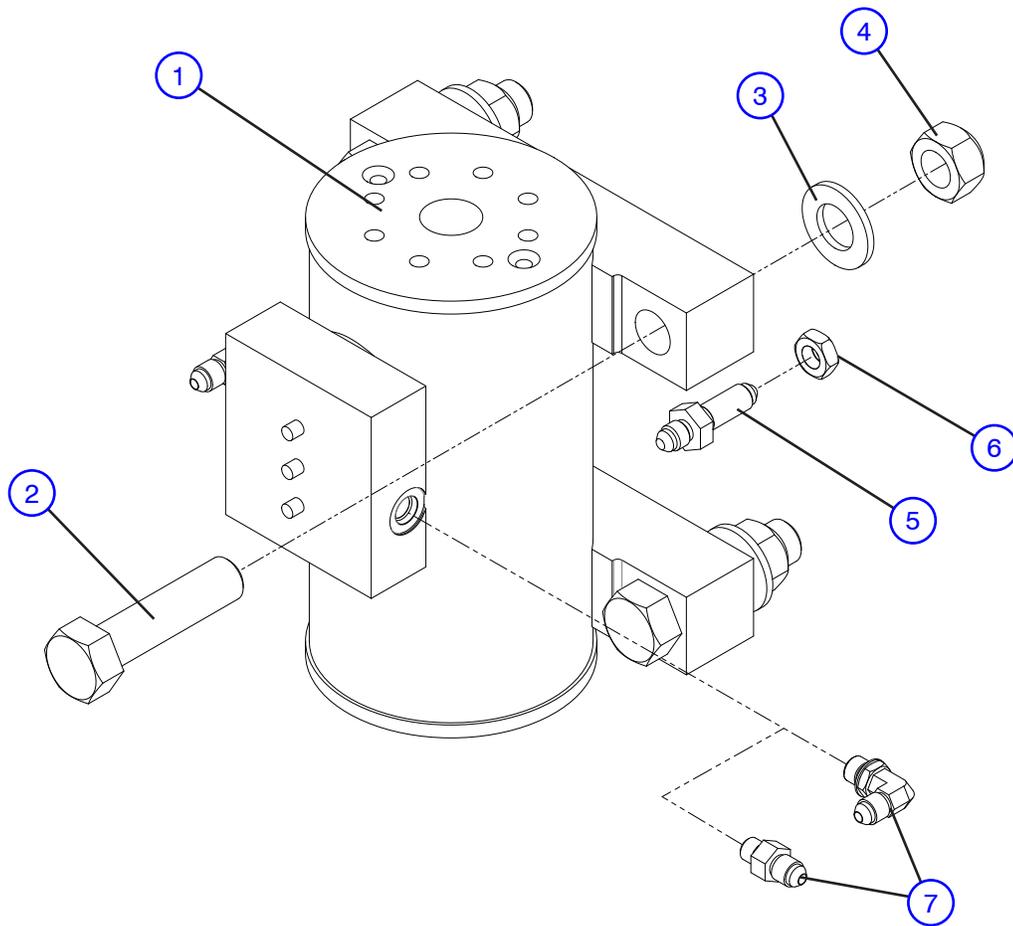
2.7 Rotary Actuator Mounting - 61T



M138551AE-3

Index No.	Skyjack Part No.	Qty.	Description
-	138551	-	ROTARY ACTUATOR MOUNTING (61T)
1	144028	1	• BRACKET, Platform Mounting
2	147584	1	• PIN, Jib
3	147585	1	• PIN, Fly boom
4	143987	1	• CLAMP (2.5")
5	139193	1	• BOLT, Hex head patch (3/8"-16 x 1 1/4" Grade 8)
6	148421	1	• BOLT, Hex head patch (3/8"-16 x 7/8" Grade 8)
7	125959	3	• WASHER, Flat hardened (3/8")
8	146897	2	• PIN, Keeper (3/8")

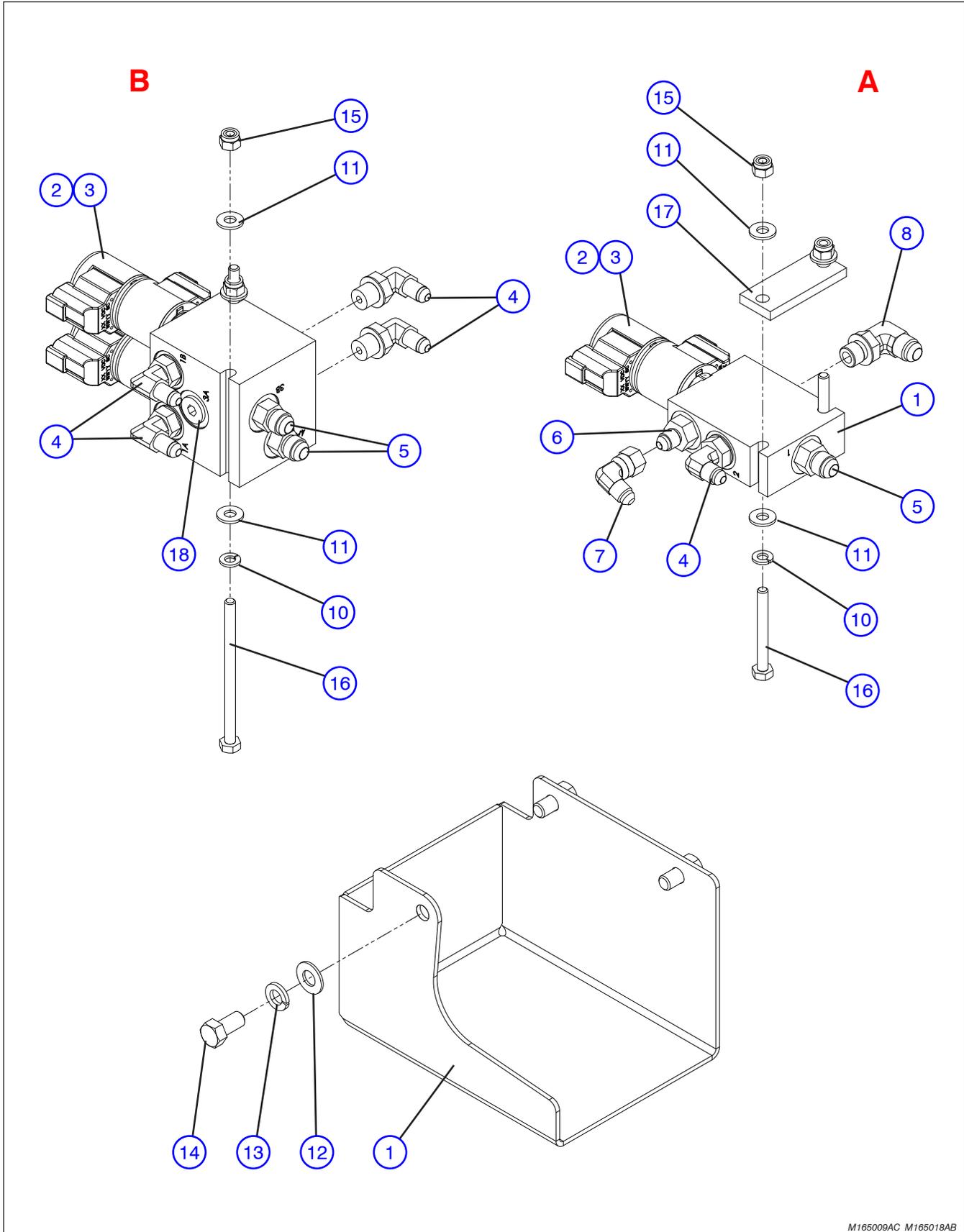
2.8 Rotary Actuator Assembly



M143988AB_M166094AB

Index No.	Skyjack Part No.	Qty.	Description
A	143988	1	ROTARY ACTUATOR ASSEMBLY (61T)
B	166094	1	ROTARY ACTUATOR ASSEMBLY (66T)
1	144710	1	• ROTARY ACTUATOR
2	103894	4	• BOLT, Hex head (3/4"-10 x 3" Grade 8)
3	702194	8	• WASHER, Flat (3/4")
4	700575	4	• NUT, Torque lock (3/4"-10, Grade C)
5	134890	2	• FITTING, Straight bulkhead (04 JICM - 04 JICM) A
6	143963	2	• FITTING, Nut bulkhead (04 JIC) A
7	125883	2	• FITTING, Elbow 90° (04 JICM - 04 ORBM) A
	126128	2	• FITTING, Straight (04 JICM - 04 ORBM) B
K	144709	1	KIT, Seal (Not Shown)

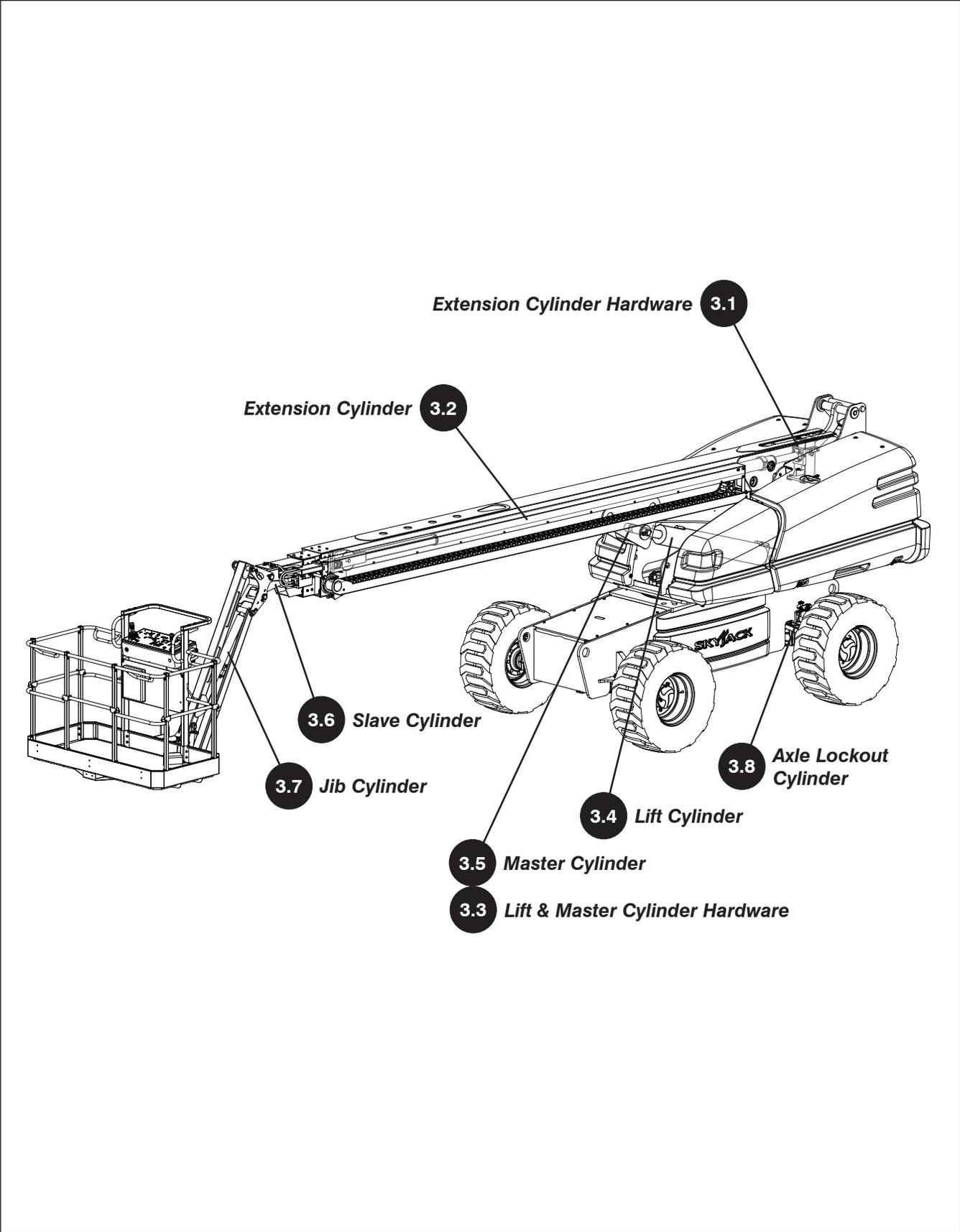
2.9 Jib Lift / Platform Rotate Valve Assemblies



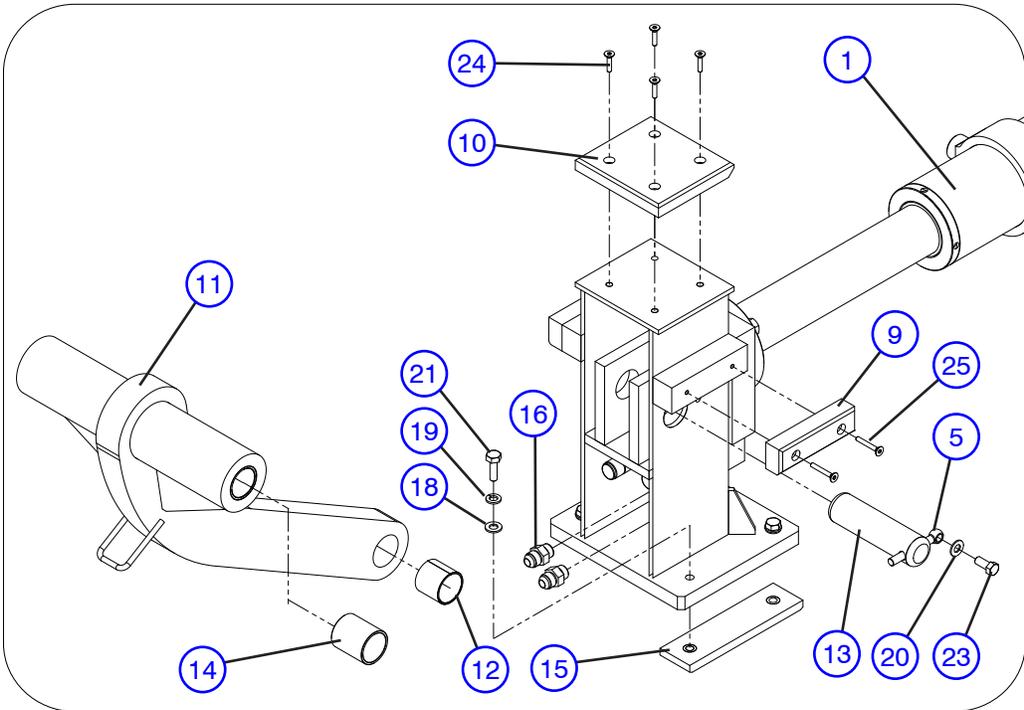
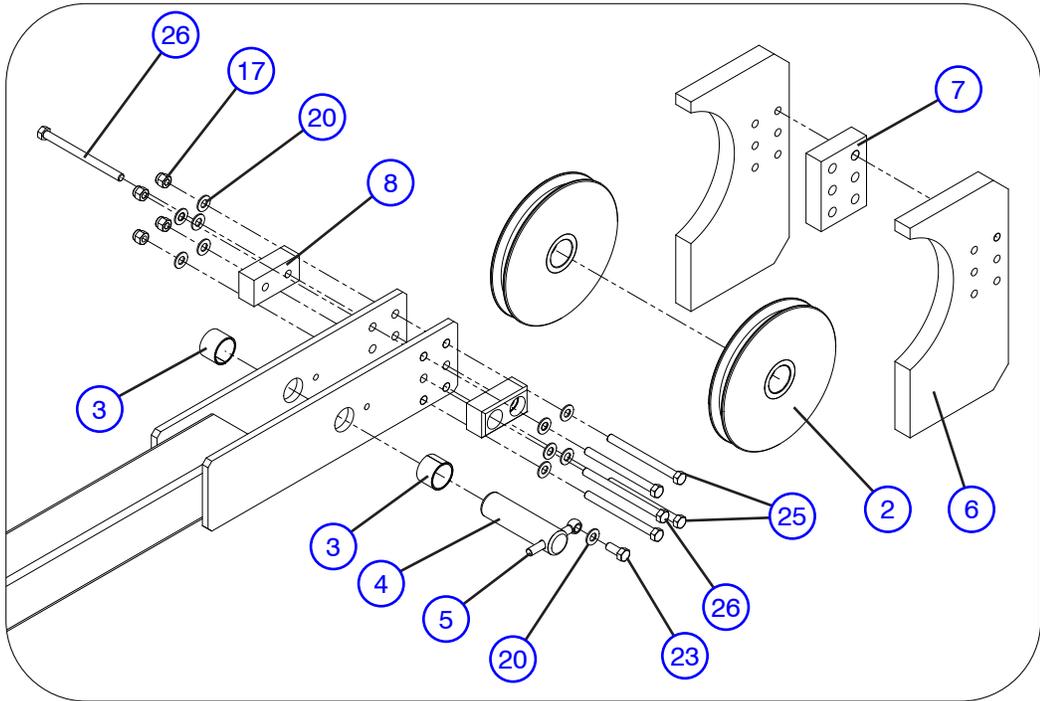
M165009AC_M165018AB

2.9 Jib Lift / Platform Rotate Valve Assemblies

Index No.	Skyjack Part No.	Qty.	Description
A	165009	1	PLATFORM ROTATE VALVE ASSEMBLY (61T)
B	165018	1	JIB/PLATFORM ROTATE VALVE ASSEMBLY (66T)
1	163541	1	• PLATFORM ROTATE VALVE ASSEMBLY A
	162497	1	• JIB LIFT/PLATFORM ROTATE VALVE ASSEMBLY B
2	159821	2	• • COIL, 12VDC ER/Z-Series, 08-size A
	159821	4	• • COIL, 12VDC ER/Z-Series, 08-size B
3	166036	1	• • HF SV08-47D-0-N-00 A
	166036	2	• • HF SV08-47D-0-N-00 B
4	129127	1	• FITTING, Elbow 90° (04JICM-06ORBM) A
	129127	4	• FITTING, Elbow 90° (04JICM-06ORBM) B
5	103069	1	• FITTING, Straight (06JICM-06ORBM) A
	103069	2	• FITTING, Straight (06JICM-06ORBM) B
6	701956	1	• FITTING, Straight (04JICM-06ORBM) A
7	702875	1	• FITTING, Elbow 90° (04JICM-04JICFSW) A
8	114578	1	• FITTING, Elbow 90° (06JICM-06ORBM) A
9	160429	1	• COVER, Jib valve
10	104000	2	• WASHER, Lock (1/4")
11	103995	4	• WASHER, Flat (1/4")
12	103472	3	• WASHER, Flat (3/8")
13	103999	3	• WASHER, Lock (3/8")
14	101632	3	• BOLT, Hex head 3/8"-16 x 3/4" Grade 5)
15	115649	2	• NUT, Hex lock (1/4"-20 Grade 5, nylon)
16	103862	2	• BOLT, Hex head (1/4"-20 x 2.25" Grade 5) A
	120738	2	• BOLT, Hex head (1/4"-20 x 4.00" Grade 5) B
17	152594	1	• SPACER A
18	104437	1	• FITTING, Plug (06ORBM hex socket) B



3.1 Extension Cylinder Hardware

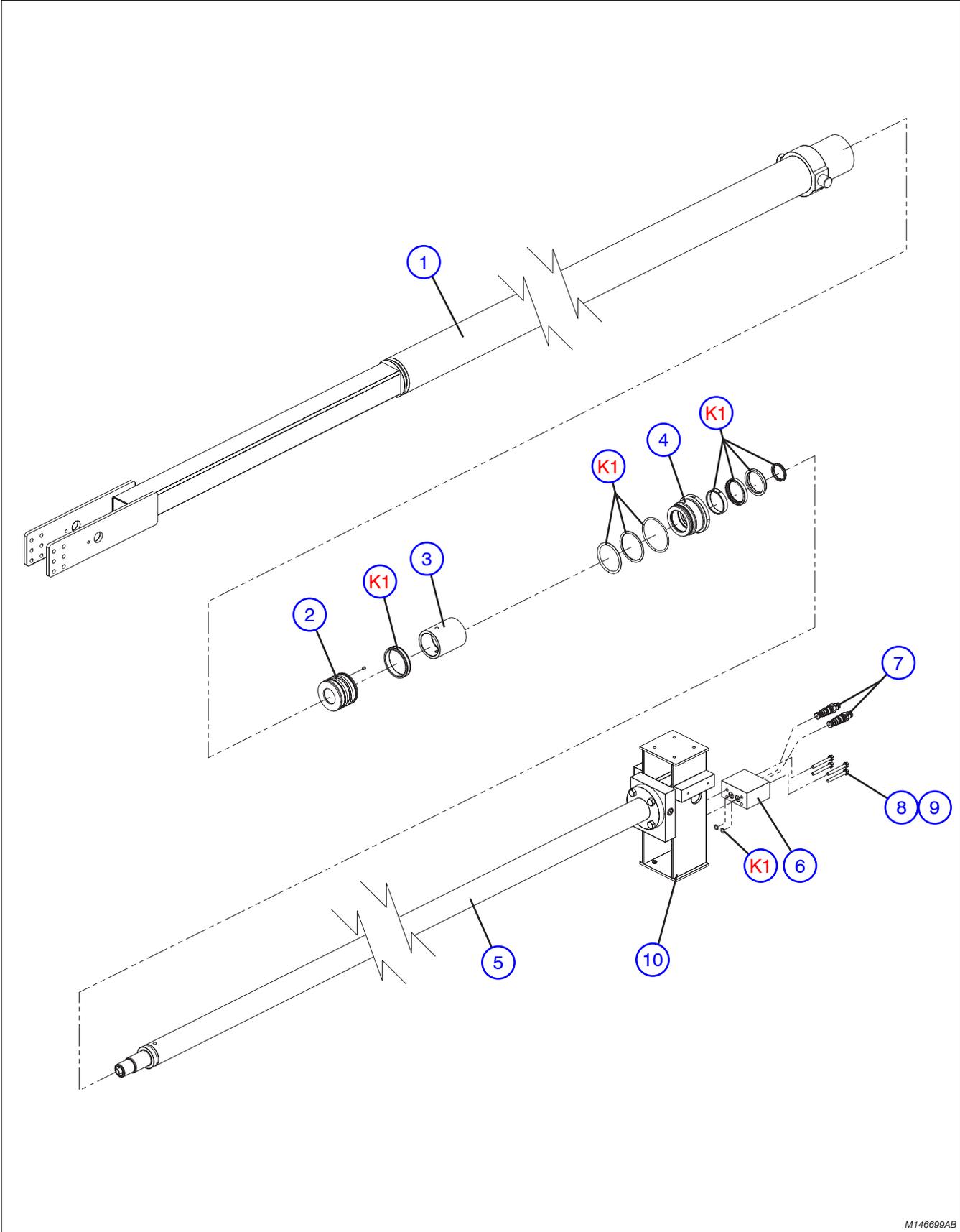


M163717AB

3.1 Extension Cylinder Hardware

Index No.	Skyjack Part No.	Qty.	Description
-	163717	1	EXTENSION CYLINDER ASSEMBLY
1	(Ref.)	1	<ul style="list-style-type: none"> EXTENSION CYLINDER ASSEMBLY (For components, refer to Section 3.2)
-	170755	2	<ul style="list-style-type: none"> SHEAVE ASSEMBLY
2	170746	1	<ul style="list-style-type: none"> SHEAVE, Wire rope
3	100071	1	<ul style="list-style-type: none"> BUSHING, Fiberglide
4	146728	1	<ul style="list-style-type: none"> PIN, Pulley 1
5	146897	2	<ul style="list-style-type: none"> PIN, Keeper (3/8")
6	158055	2	<ul style="list-style-type: none"> STOP, Cable
7	163211	1	<ul style="list-style-type: none"> SPACER
8	146779	2	<ul style="list-style-type: none"> PAD, Rod end (Extension cylinder)
9	146782	2	<ul style="list-style-type: none"> PAD, Side (Extension cylinder)
10	146783	1	<ul style="list-style-type: none"> PAD, Top (Extension cylinder)
11	146713	1	<ul style="list-style-type: none"> WELDMENT, Link
12	103216	1	<ul style="list-style-type: none"> BUSHING, Fiberglide (1.5" ID x 1.5" long)
13	146724	1	<ul style="list-style-type: none"> PIN, Link - cylinder end
14	146800	2	<ul style="list-style-type: none"> BUSHING, Fiberglide (1.5" ID x 1.75" OD x 2" long)
15	920077	2	<ul style="list-style-type: none"> PAD, Top/Bottom (Mid boom)
16	102659	2	<ul style="list-style-type: none"> FITTING, Straight (08 JICM - 08 ORBM)
17	104606	4	<ul style="list-style-type: none"> NUT, Hex lock (3/8"-16, Grade 5, nylon)
18	600315	4	<ul style="list-style-type: none"> WASHER, Flat (M10, DIN 125)
19	132497	4	<ul style="list-style-type: none"> WASHER, Lock (M10, plated DIN 127B)
20	103472	12	<ul style="list-style-type: none"> WASHER, Flat (0.375")
21	115745	4	<ul style="list-style-type: none"> BOLT, Hex head (ZP, M10 x 1.5 x 33mm, CL 8.8)
22	103913	4	<ul style="list-style-type: none"> BOLT, Hex head (3/8"-16 x 4 1/2" Grade 5)
23	125741	2	<ul style="list-style-type: none"> BOLT, Hex head (3/8"-16 x 7/8" Grade 8)
24	710256	4	<ul style="list-style-type: none"> SCREW, Flat head cap (1/4"-20 x 1", stainless steel)
25	146918	4	<ul style="list-style-type: none"> SCREW, Flat head cap (1/4"-20 x 1 1/2" Grade 5)
26	163510	2	<ul style="list-style-type: none"> BOLT, Hex head (0.375"-16 x 5.00" Grade 5)

3.2 Extension Cylinder Assembly

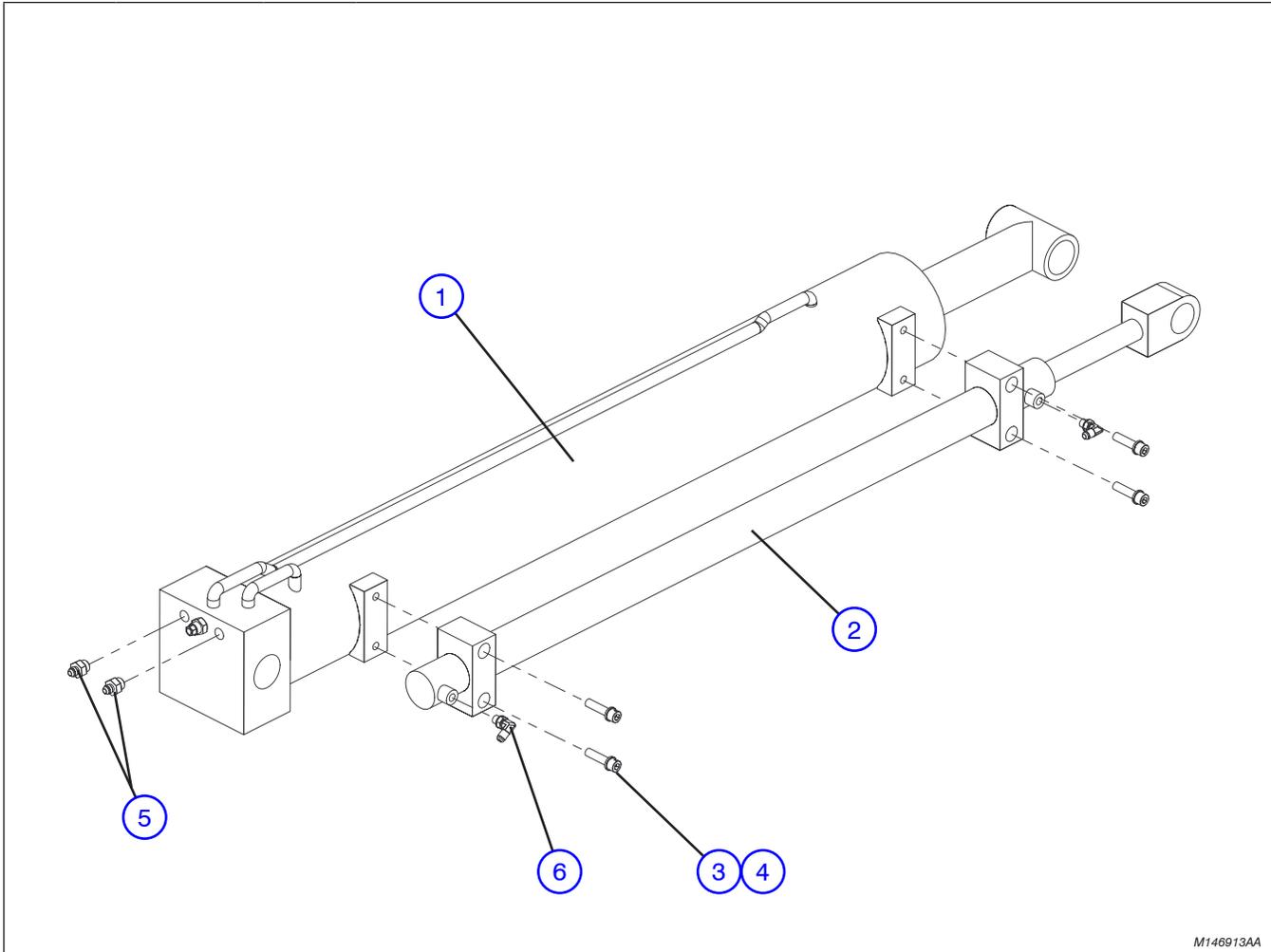


M146699AB

3.2 Extension Cylinder Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	146699	-	EXTENSION CYLINDER ASSEMBLY
1	159246	1	• WELDMENT, Tube
2	159247	1	• PISTON
3	159248	1	• SPACER
4	159249	1	• GLAND
5	159250	1	• WELDMENT, Rod
6	159251	1	• BLOCK, Manifold
7	701827	2	• VALVE, Counterbalance
8	159252	1	• SCREW, Hex head cap (5/16"-18)
9	159253	1	• WASHER, Lock (5-16")
10	194183	1	• WELDMENT, Rod attachment
K1	159255	1	KIT, Seal

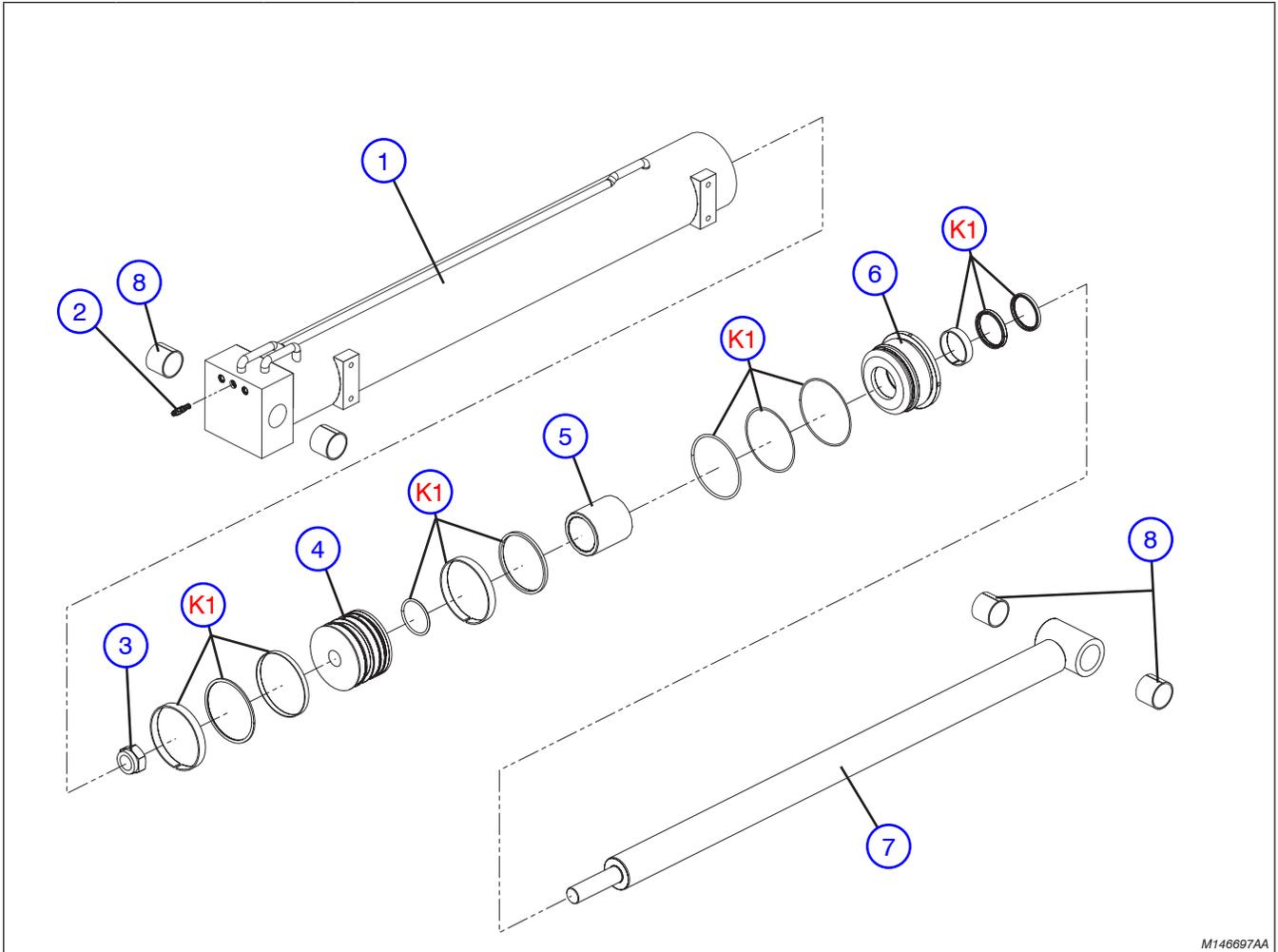
3.3 Lift and Master Cylinder Hardware



M146913AA

Index No.	Skyjack Part No.	Qty.	Description
-	146913	-	LIFT AND MASTER CYLINDER HARDWARE
1	(Ref.)	-	<ul style="list-style-type: none"> LIFT CYLINDER ASSEMBLY (For components, refer to Section 3.4)
2	(Ref.)	-	<ul style="list-style-type: none"> MASTER CYLINDER ASSEMBLY (For components, refer to Section 3.5)
3	146919	4	<ul style="list-style-type: none"> BOLT, Socket head (1/2"-13 x 2.75")
4	103470	4	<ul style="list-style-type: none"> WASHER, Lock (1/2", Grade 5)
5	103070	2	<ul style="list-style-type: none"> FITTING, Straight (06 JICM - 08 ORBM)
6	114578	2	<ul style="list-style-type: none"> FITTING, Elbow, 90° (06 JICM - 06 ORBM)

3.4 Lift Cylinder Assembly

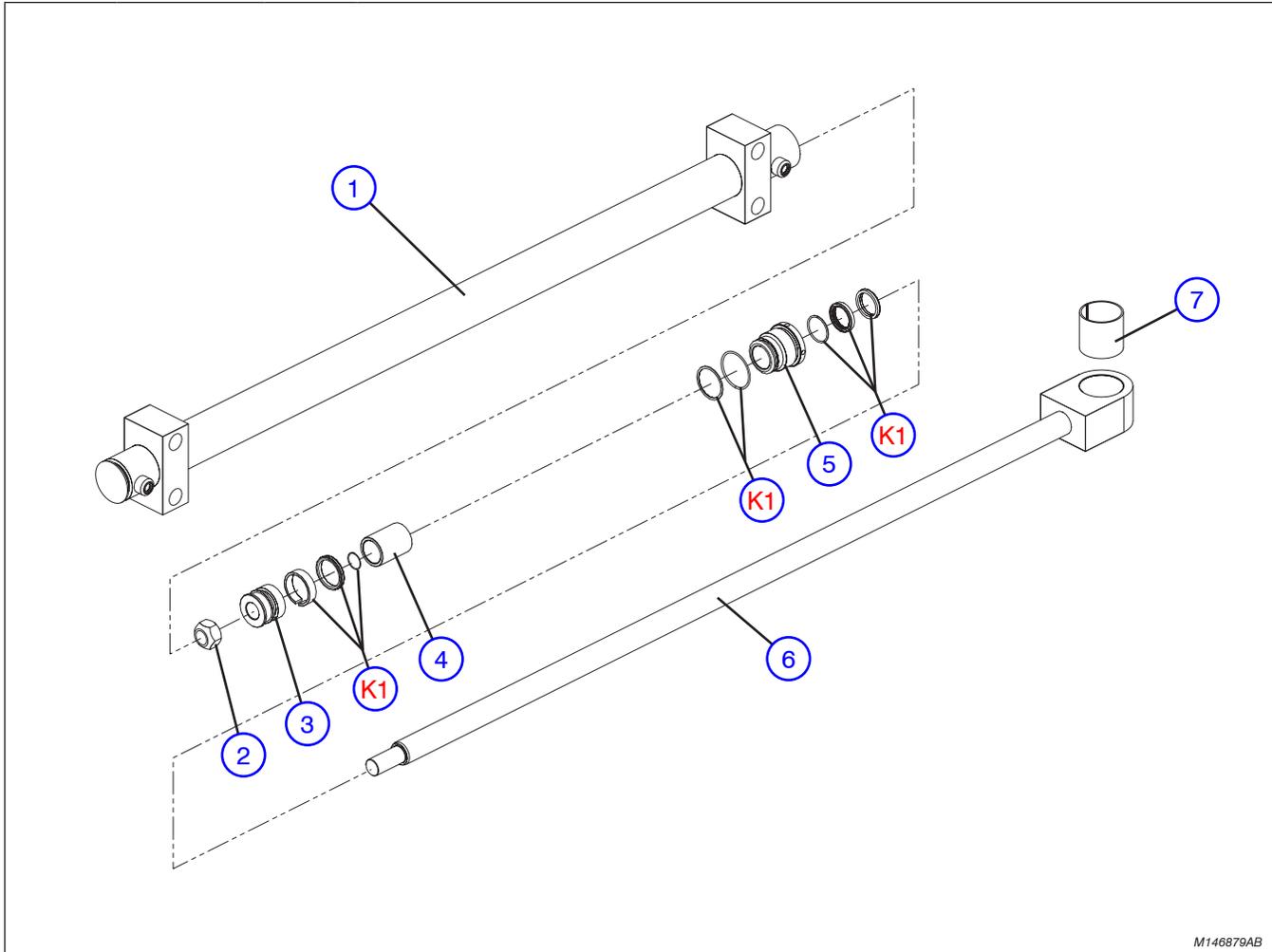


M146697AA

Index No.	Skyjack Part No.	Qty.	Description
-	146697	-	LIFT CYLINDER ASSEMBLY
1	151059	1	• WELDMENT, Tube
2	149366	1	• VALVE, Counterbalance
3	151088	1	• NUT, Rod
4	151057	1	• PISTON
5	151056	1	• SPACER
6	151058	1	• GLAND
7	151061	1	• WELDMENT, Rod
8	151060	4	• BEARING
K1	147316	1	KIT, Seal

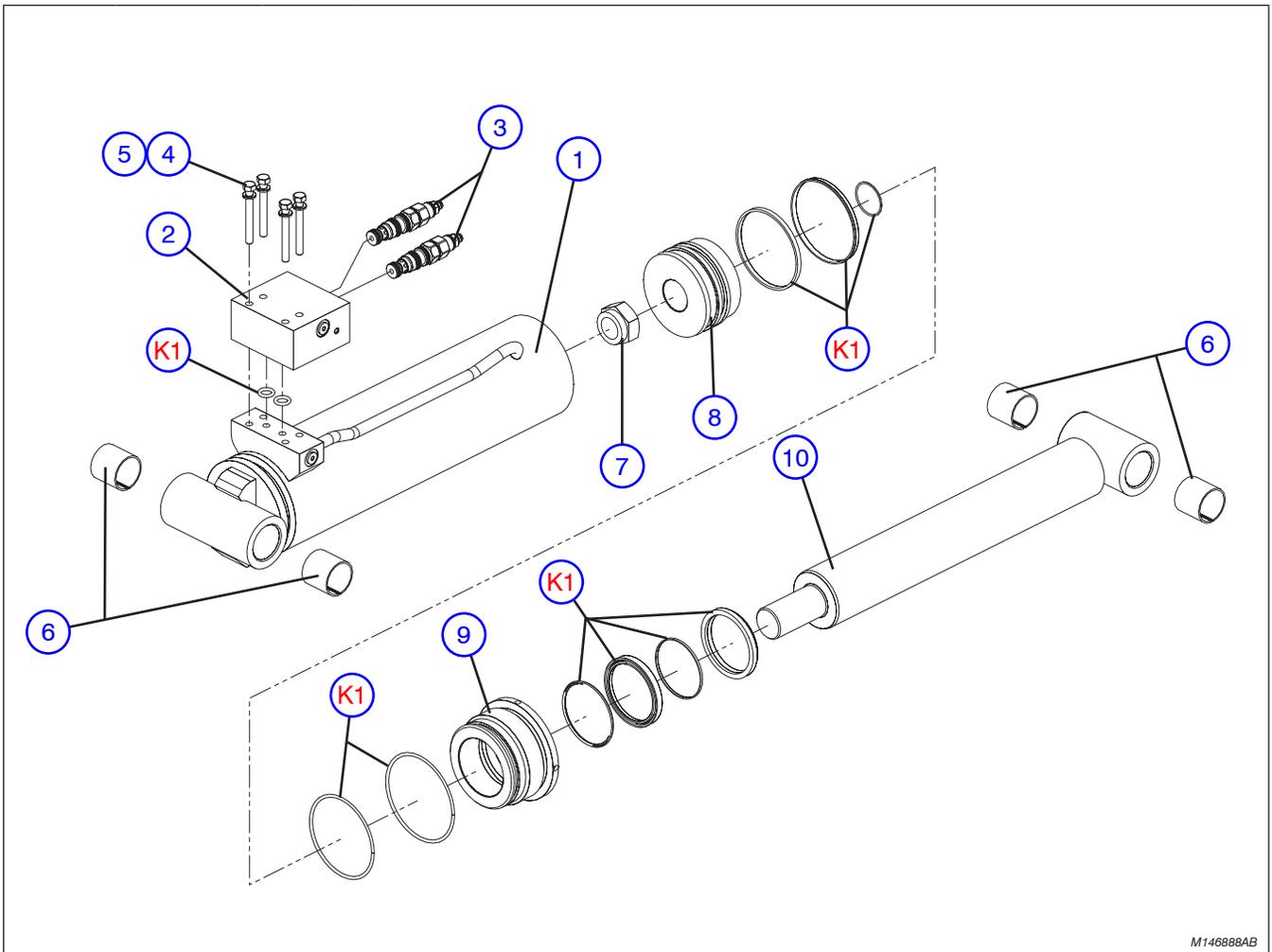
M138500AB_1

3.5 Master Cylinder Assembly



M146879AB

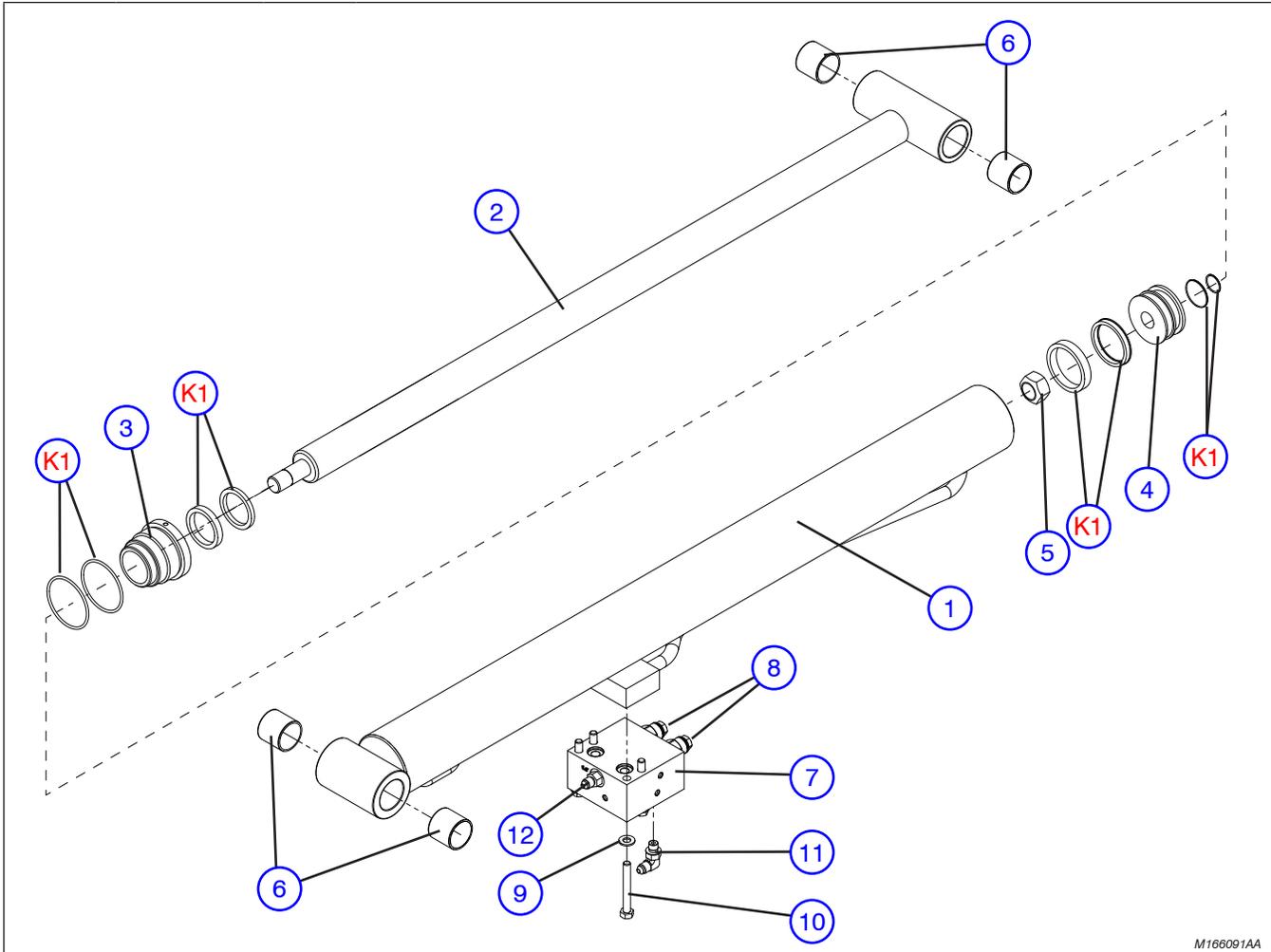
Index No.	Skyjack Part No.	Qty.	Description
-	146879	-	MASTER CYLINDER ASSEMBLY
1	159190	1	• WELDMENT, Tube
2	159191	1	• NUT, Rod
3	159192	1	• PISTON
4	159193	1	• SPACER
5	159194	1	• GLAND
6	159195	1	• WELDMENT, Rod
7	159196	1	• BEARING
K1	159197	1	KIT, Seal



M14688AB

Index No.	Skyjack Part No.	Qty.	Description
-	166948	-	SLAVE CYLINDER ASSEMBLY
1	151045	1	• WELDMENT, Tube
2	701969	1	• BLOCK, Manifold
3	166772	2	• VALVE, Counterbalance
4	151086	4	• SCREW, Head hex cap (5/16")
5	151085	4	• WASHER, Lock (5/16")
6	103216	4	• BUSHING, Fiberglass (1.5" I.D x 1.5" LG)
7	151084	1	• NUT, Rod
8	151047	1	• PISTON
9	151048	1	• GLAND
10	151046	1	• WELDMENT, Rod
K1	194335	1	KIT, Seal

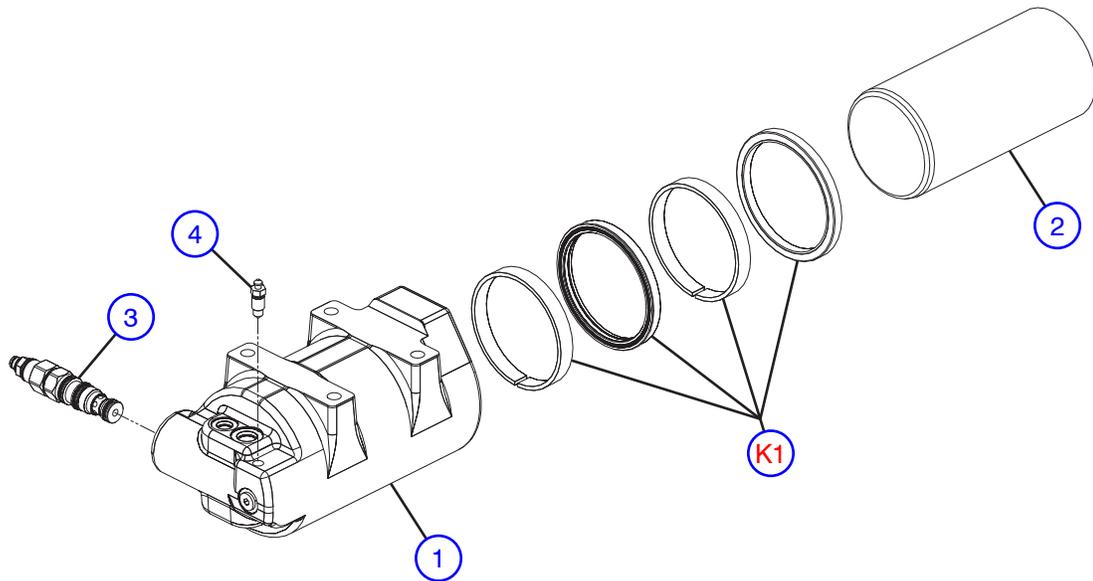
3.7 Jib Cylinder Assembly



M166091AA

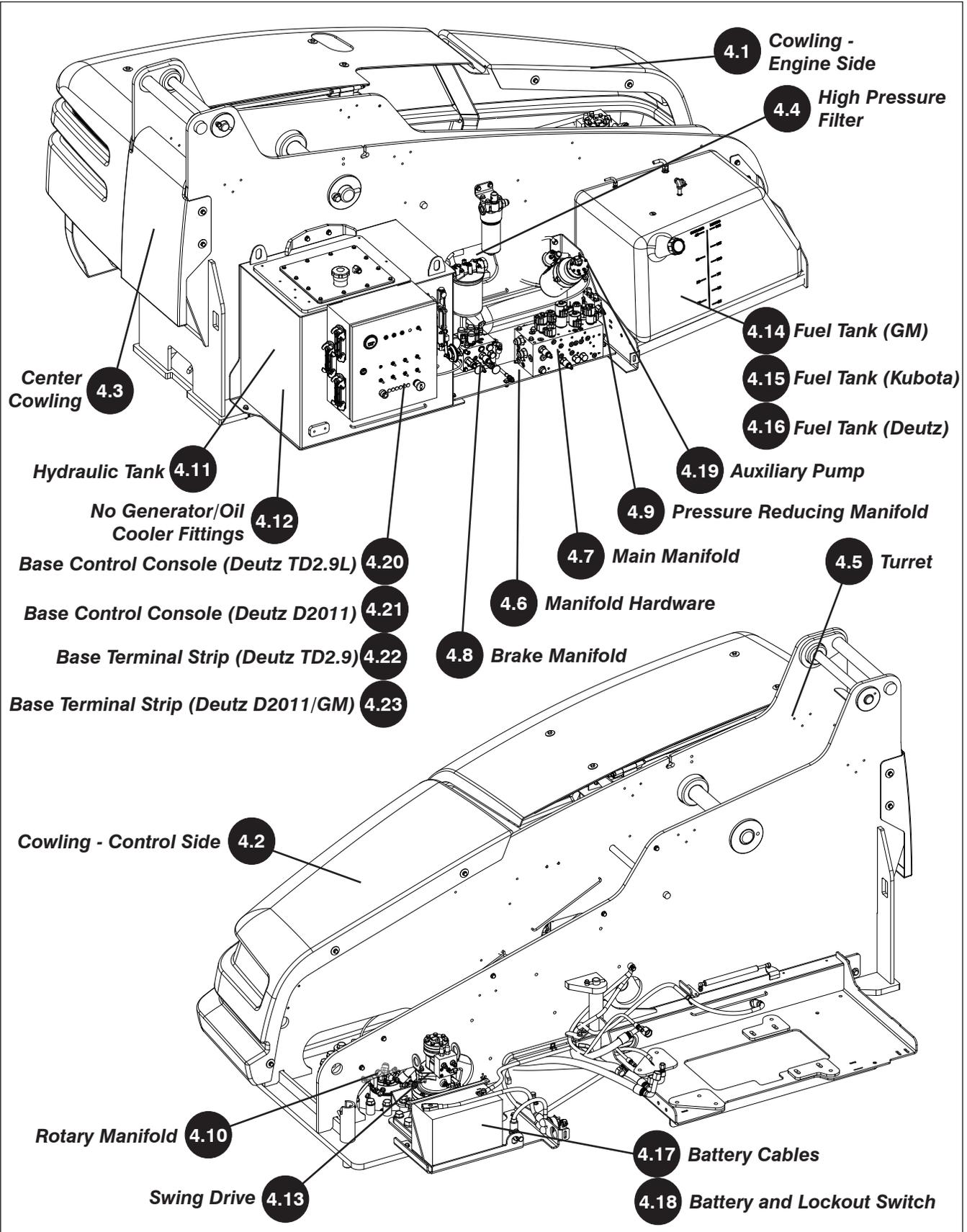
Index No.	Skyjack Part No.	Qty.	Description
-	166091	-	JIB CYLINDER ASSEMBLY
-	160037	1	• CYLINDER, Jib
1	169203	1	• • TUBE
2	169204	1	• • ROD
3	169205	1	• • PISTON
4	169206	1	• • COVER, Rod
5	169207	1	• • NUT, Rod
6	100071	4	• • BEARING
7	166092	1	• MANIFOLD, Jib Cylinder
8	149488	2	• • VALVE, Counterbalance
9	103996	4	• WASHER, Flat (5/16")
10	103884	4	• BOLT, Head hex (5/16"-16 x 2.50" gr 5)
11	125883	1	• FITTING, Elbow 90° (04JICM-04ORBM)
12	126128	1	• FITTING, Straight (04JICM-04ORBM)
K1	169208	1	KIT, Seal

3.8 Axle Lockout Cylinder Assembly

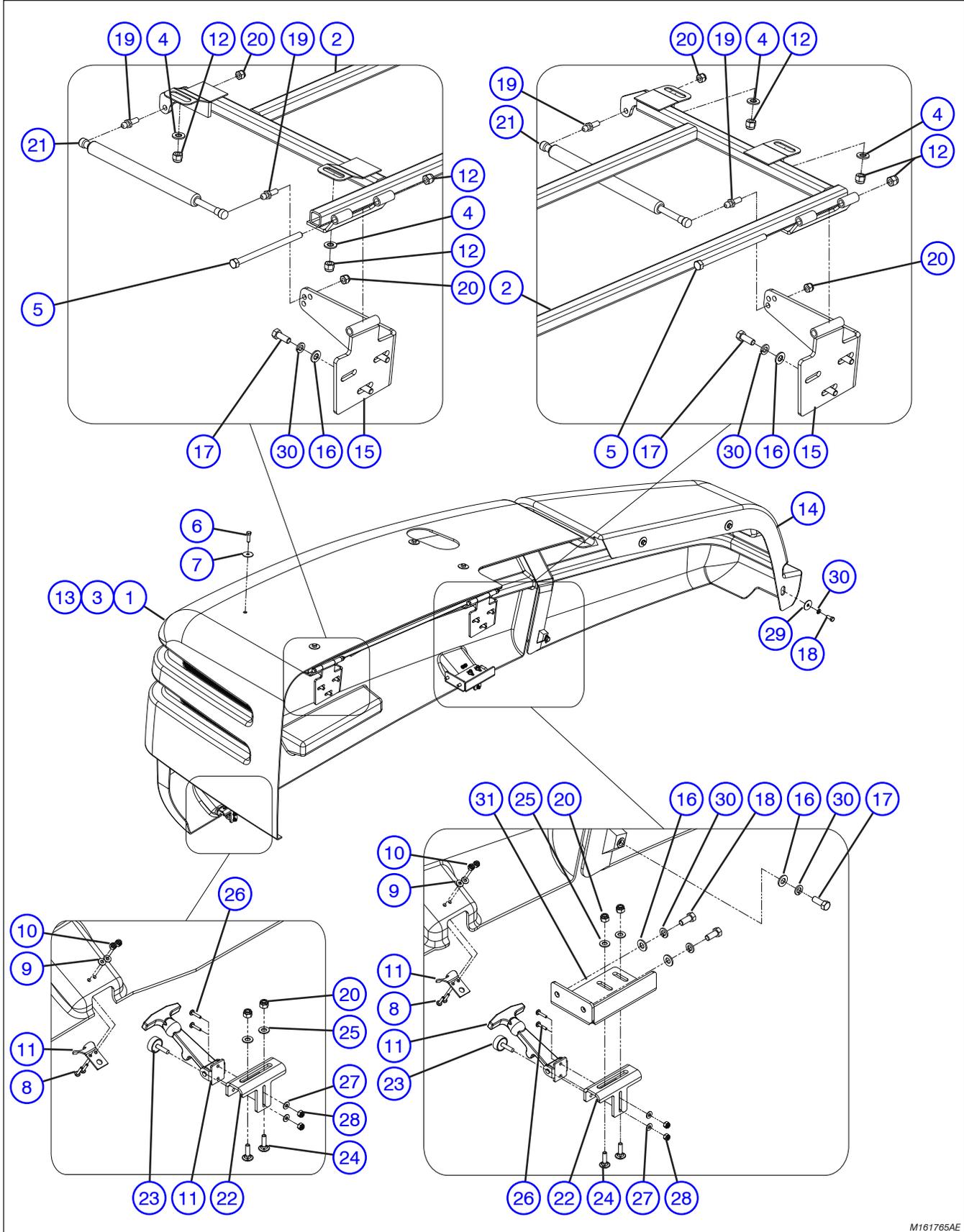


M161095AC

Index No.	Skyjack Part No.	Qty.	Description
-	161095	-	AXLE LOCKOUT CYLINDER ASSEMBLY
1	154558	1	• WELDMENT, Tube
2	154559	1	• ROD
3	160028	1	• VALVE, Counterbalance
4	154561	1	• SCREW, Bleeder
K1	154557	1	KIT, Seal



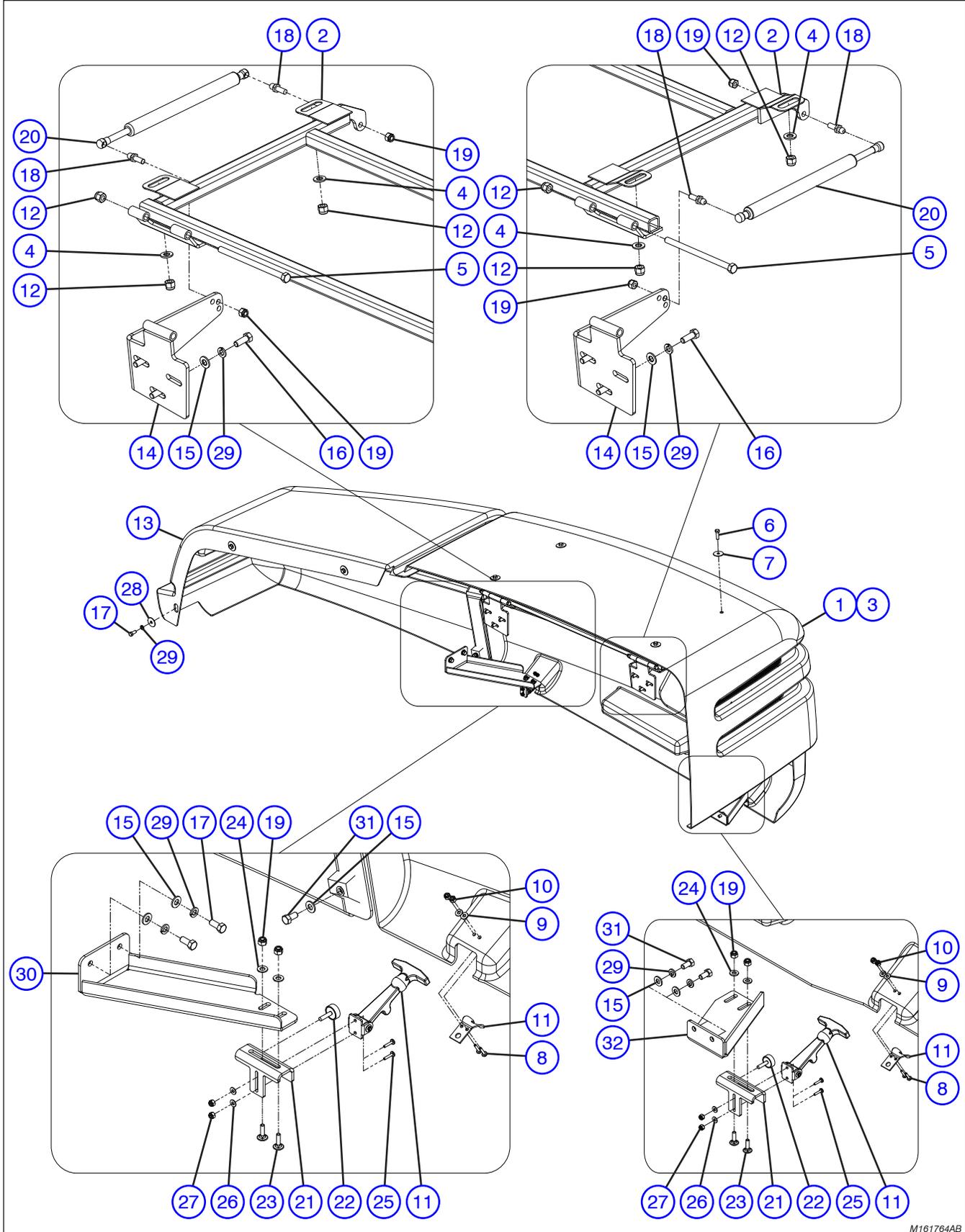
4.1 Cowling Assembly - Engine Side



M161765AE

Index No.	Skyjack Part No.	Qty.	Description
-	161765	-	ENGINE SIDE COWLING ASSEMBLY
-	161771	1	• COWLING, Engine side (Hinged)
1	161773	1	• • COWLING SHELL, Engine side (Hinged)
2	160307	1	• • WELDMENT, Cowling frame (Engine side)
3	146933	2	• • PLATE, Perforated
4	125959	4	• • WASHER, Flat hardened (3/8")
5	138736	2	• • BOLT, Hex head (3/8"-16 x 6" Grade 5)
6	101297	4	• • BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
7	127067	4	• • WASHER, Flat (3/8" Style BB)
8	138834	4	• • SCREW, Round head machine (#10-24 x 3/4", Grade 5)
9	104694	4	• • WASHER, Flat (#10)
10	126642	4	• • NUT, Hex lock (#10-24 Grade 5, nylon)
11	144002	2	• • LATCH, Flexible draw
12	104606	6	• • NUT, Hex nylon lock (3/8"-16 Grade 5)
13	148368	90"	• • FOAM, 4lb (2" x 2")
14	161772	1	• COWLING, Engine side (Fixed)
15	146882	2	• HINGE WELDMENT, Engine side
16	125959	9	• WASHER, Flat hardened (3/8")
17	103473	7	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
18	300437	5	• BOLT, Hex head (3/8"-16 x 7/8" Grade 5)
19	146903	4	• STUD, Ball (10 mm)
20	103984	8	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
21	146902	2	• GAS SPRING, Cowling
22	146812	2	• BRACKET, Latch mounting
23	144015	2	• MOUNT, Anti vibration
24	133216	4	• CARRIAGE BOLT (5/16"-18 x 1", Grade 5)
25	103996	4	• WASHER, Flat (5/16")
26	138834	4	• SCREW, Round head machine (#10-24 x 3/4", Grade 5)
27	104694	4	• WASHER, Flat (#10)
28	126642	4	• NUT, Hex lock (#10-24 Grade 5, nylon)
29	127067	3	• WASHER, Flat (3/8" Style BB)
30	103999	12	• WASHER, Lock (3/8")
31	146868	1	• BRACKET, Handle mounting

4.2 Cowling Assembly - Control Side



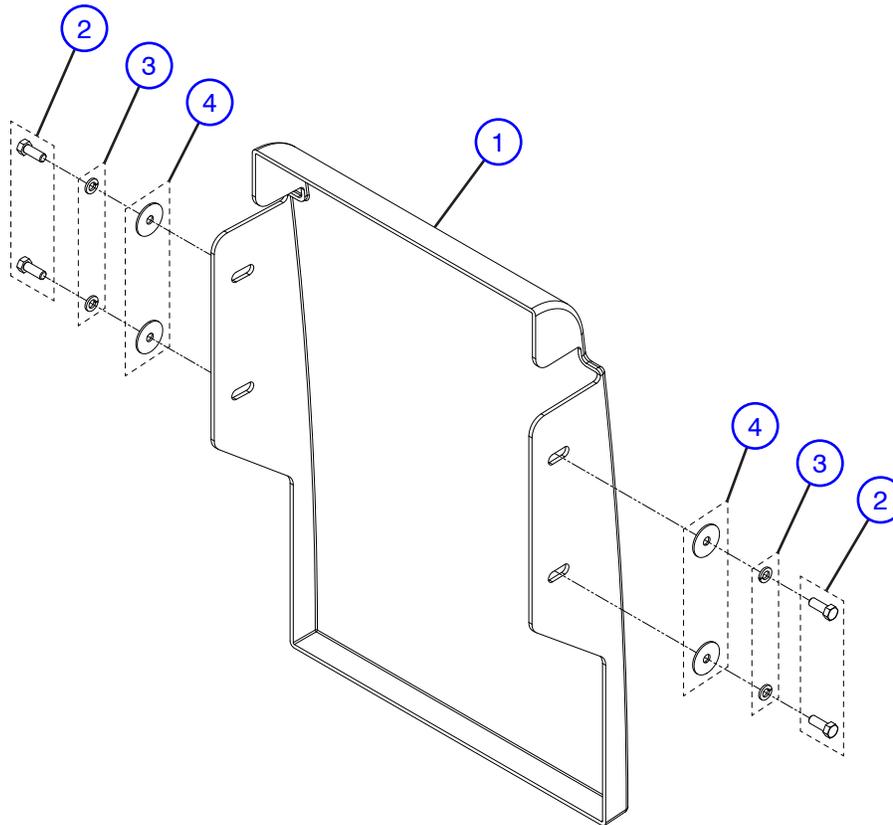
M161764AB

4.2 Cowling Assembly - Control Side

Index No.	Skyjack Part No.	Qty.	Description
-	161764	-	CONTROLS SIDE COWLING ASSEMBLY
-	161767	1	• COWLING, Controls side (Hinged)
1	161769	1	• • COWLING SHELL, Controls side (Hinged)
2	160219	1	• • WELDMENT, Cowling frame (Controls side)
3	146933	2	• • PLATE, Perforated
4	125959	4	• • WASHER, Flat hardened (3/8")
5	138736	2	• • BOLT, Hex head (3/8"-16 x 6" Grade 5)
6	101297	4	• • BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
7	127067	4	• • WASHER, Flat (3/8" Style BB)
8	138834	4	• • SCREW, Round head machine (#10-24 x 3/4", Grade 5)
9	104694	4	• • WASHER, Flat (#10)
10	126642	4	• • NUT, Hex lock (#10-24 Grade 5, nylon)
11	144002	2	• • LATCH, Flexible draw
12	104606	6	• • NUT, Hex nylon lock (3/8"-16 Grade 5)
13	161768	1	• COWLING, Controls side (Fixed)
14	146883	2	• HINGE WELDMENT, Controls side
15	125959	11	• WASHER, Flat hardened (3/8")
16	103473	6	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
17	300437	5	• BOLT, Hex head (3/8"-16 x 7/8" Grade 5)
18	146903	4	• STUD, Ball (10 mm)
19	103984	8	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
20	146902	2	• GAS SPRING, Cowling
21	146812	2	• BRACKET, Latch mounting
22	144015	2	• MOUNT, Anti vibration
23	133216	4	• CARRIAGE BOLT (5/16"-18 x 1", Grade 5)
24	103996	4	• WASHER, Flat (5/16")
25	138834	4	• SCREW, Round head machine (#10-24 x 3/4", Grade 5)
26	104694	4	• WASHER, Flat (#10)
27	126642	4	• NUT, Hex lock (#10-24 Grade 5, nylon)
28	127067	3	• WASHER, Flat (3/8" Style BB)
29	103999	13	• WASHER, Lock (3/8")
30	146928	1	• BRACKET, Handle mounting
31	101632	3	• BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
32	147440	1	• BRACKET, Tank side handle

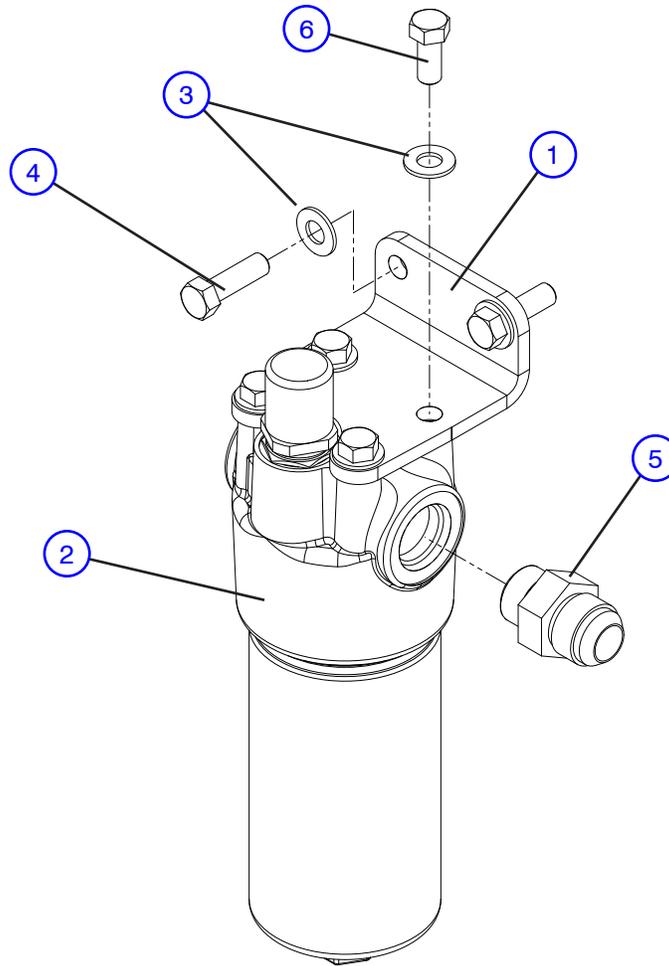
4.3 Cowling Assembly - Center

AF



M161766AB

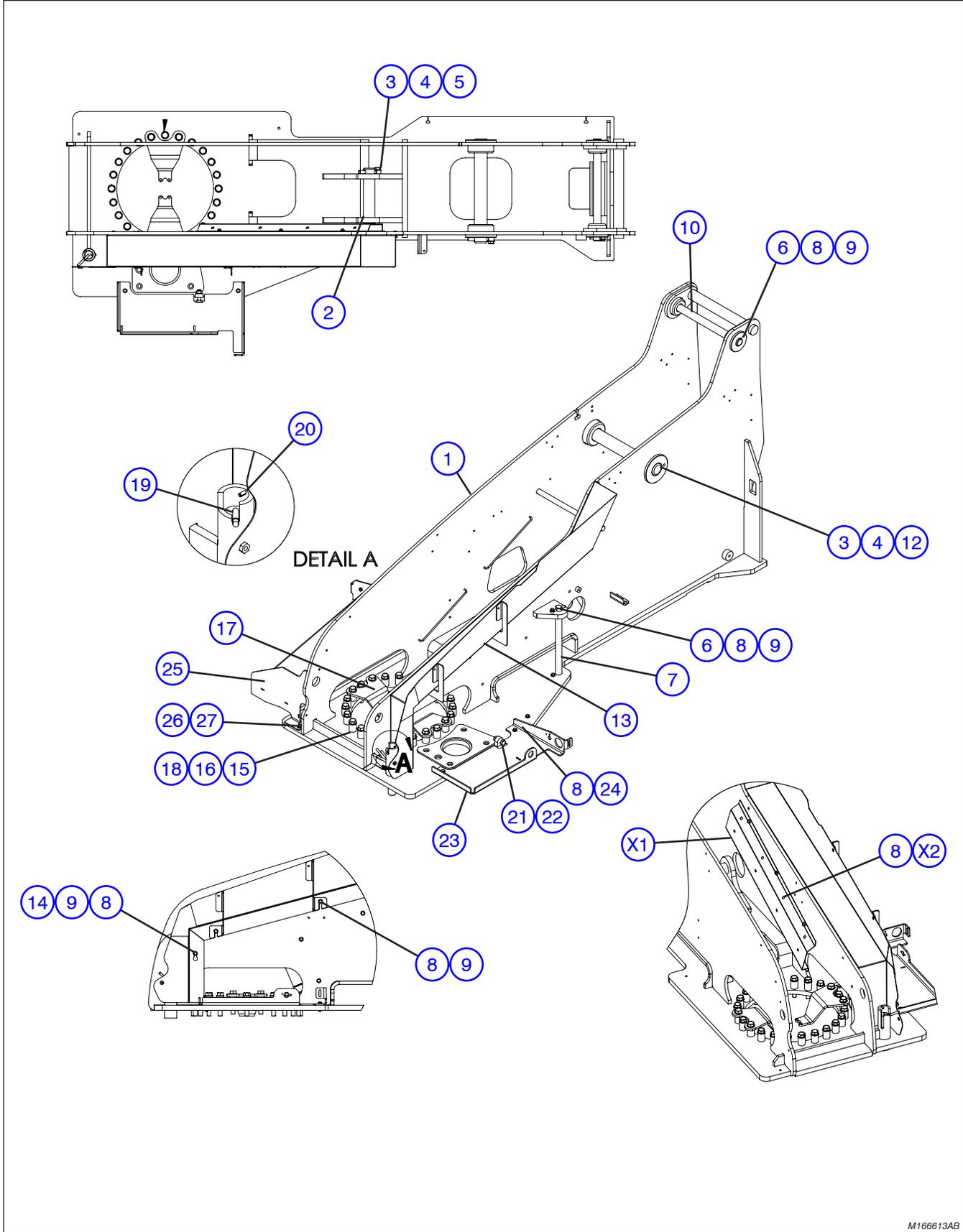
Index No.	Skyjack Part No.	Qty.	Description
-	161766	-	CENTER COWLING ASSEMBLY
1	161775	1	• COWLING, Front
2	103473	4	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
3	103999	4	• WASHER, Lock (3/8")
4	127067	4	• WASHER, Flat (3/8", style BB)



M163117AC

Index No.	Skyjack Part No.	Qty.	Description
-	163117	-	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	6	• WASHER, Flat (3/8")
4	101297	2	• BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
5	702118	1	• FITTING, Straight (12 JICM - 12 ORBM)
6	300437	4	• BOLT, Hex head (3/8"-16 x 0.875" Grade 5)

4.5 Turret Assembly

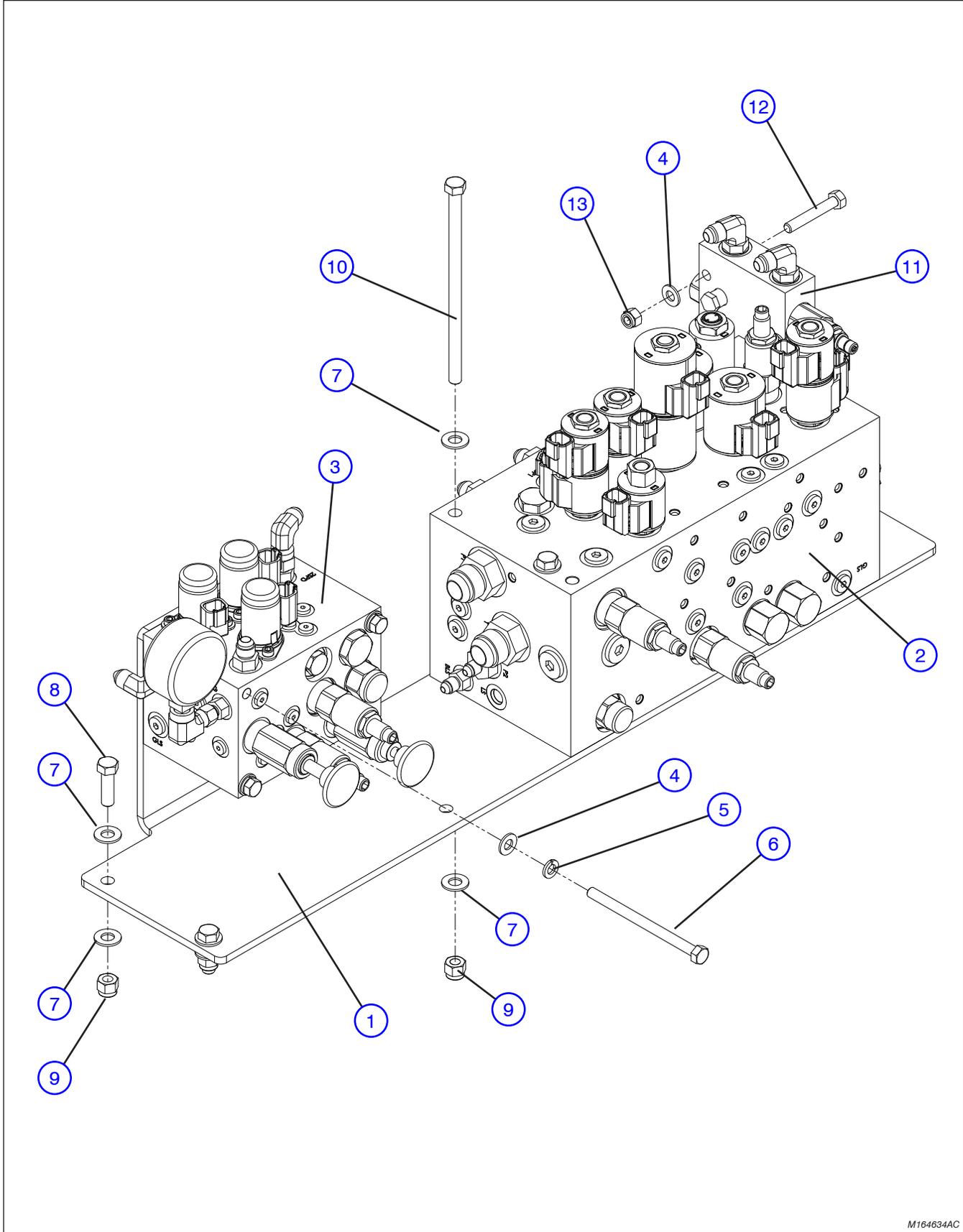


M166613AB

4.5 Turret Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	166613	1	TURRET SUBGROUP
1	169060	1	• WELDMENT, Turret
2	146726	1	• PIN, Lift cylinder (body end)
3	146898	2	• PIN, Keeper (5/8")
4	100352	2	• WASHER, Flat (5/8")
5	103898	1	• BOLT, Hex head (5/8" - 11 x 1-3/4 Grade 5)
6	146897	2	• PIN, Keeper (3/8")
7	146873	1	• PIN, Engine Tray
8	103472	19	• WASHER, Flat (3/8")
9	103473	11	• BOLT, Hex head (3/8" - 16 x 1 Grade 5)
10	162940	1	• PIN, Link, Turret end
11	162939	1	• PIN, Main
12	103900	1	• BOLT, Hex head (5/8" - 11 x 1-1/4 Grade 5)
13	146929	1	• WELDMENT, Pocket
14	103999	7	• WASHER, Lock (3/8")
15	702194	24	• WASHER, Flat hardened (3/4")
16	146887	24	• BOLT, Hex head (3/4"-10 x 4" Grade 5, zinc)
17	157897	2	• PLATE, Rotary manifold
18	159418	24	• SPACER, Slewing ring
19	159483	1	• PIN, Transportation locking
20	163177	1	• PIN, Roll 1/4" Dia. x 1"
21	103981	1	• NUT, Hex head (5/8"-11 Grade 5)
22	103897	1	• BOLT, Hex head (5/8"-11 x 2" Grade 5)
23	167255	1	• TRAY, Battery
24	103870	4	• BOLT, Hex head (3/8" - 16 x 1-1/2 Grade 5)
25	167089	1	• TRAY, Fuel tank
26	103596	2	• BOLT, Hex head (3/8"-16 x 2.00" Grade 5)
27	104606	2	• NUT, Hex head nylon lock (3/8"-16 Grade 5)

4.6 Manifold Hardware

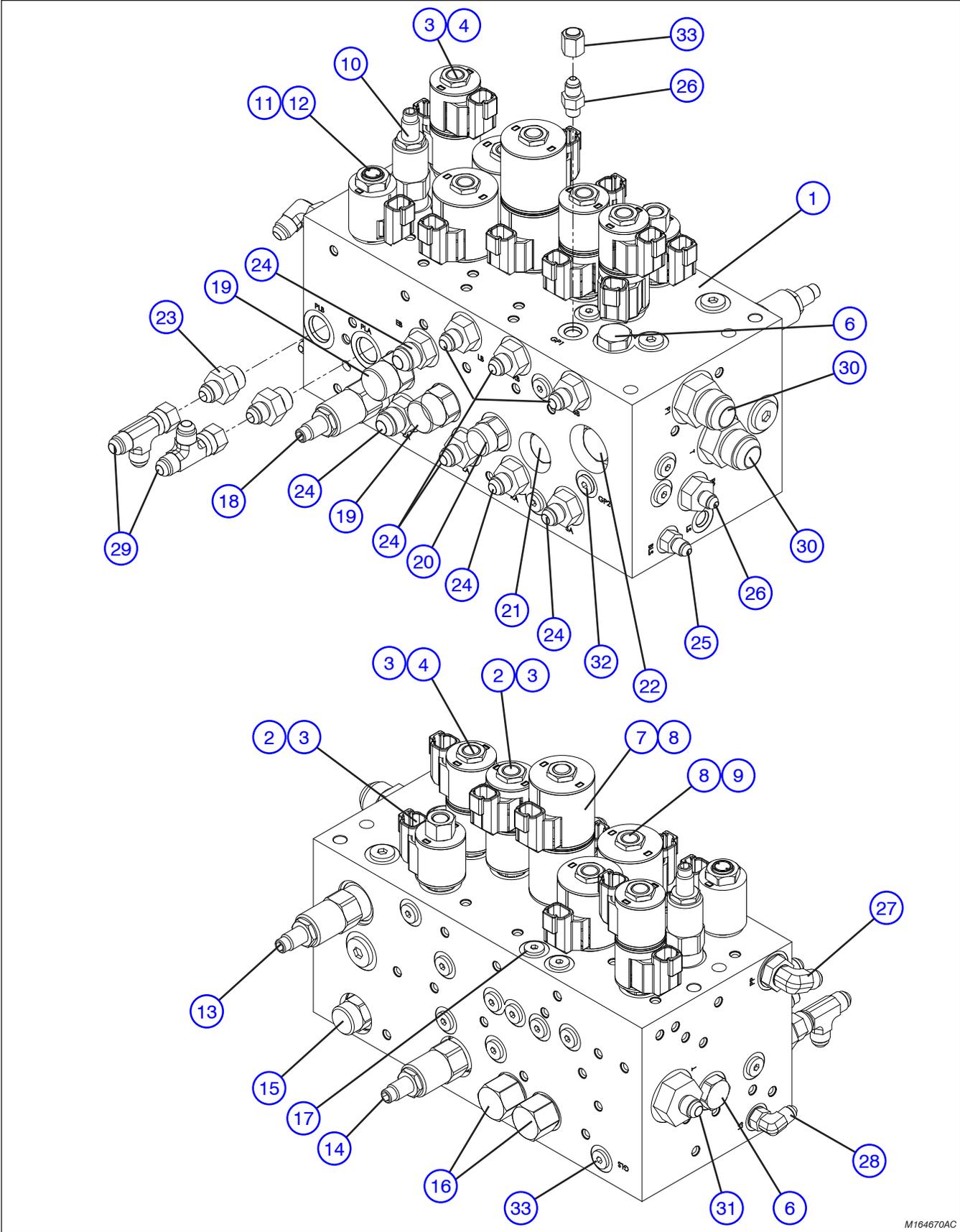


M164634AC

4.6 Manifold Hardware

Index No.	Skyjack Part No.	Qty.	Description
-	164634	-	MANIFOLD ASSEMBLY
1	164633	1	• BRACKET, Manifold mounting
2	(Ref.)	1	• MANIFOLD, Main (For components, refer to Section 4.7)
3	(Ref.)	1	• MANIFOLD, Brake (For components, refer to Section 4.8)
4	103996	5	• WASHER, Flat (0.312")
5	103404	3	• WASHER, Lock (0.312")
6	103869	3	• BOLT, Hex head (0.312"-18 x 4.5" Grade 5)
7	103472	12	• WASHER, Flat (0.375")
8	101297	3	• BOLT, Hex head (0.375"-16 x 1.25" Grade 5)
9	104606	6	• NUT, Hex head nylon lock (0.375"-16 Grade 5)
10	133369	3	• BOLT, Hex head (0.375"-16 x 7.00" Grade 5)
11	(Ref.)	1	• MANIFOLD, Pressure reducing (For components, refer to Section 4.9)
12	103865	2	• BOLT, Hex head (0.312"-18 x 2.00" Grade 5)
13	103984	2	• NUT, Hex head nylon lock (0.312"-18 Grade 5)

4.7 Main Manifold Assembly

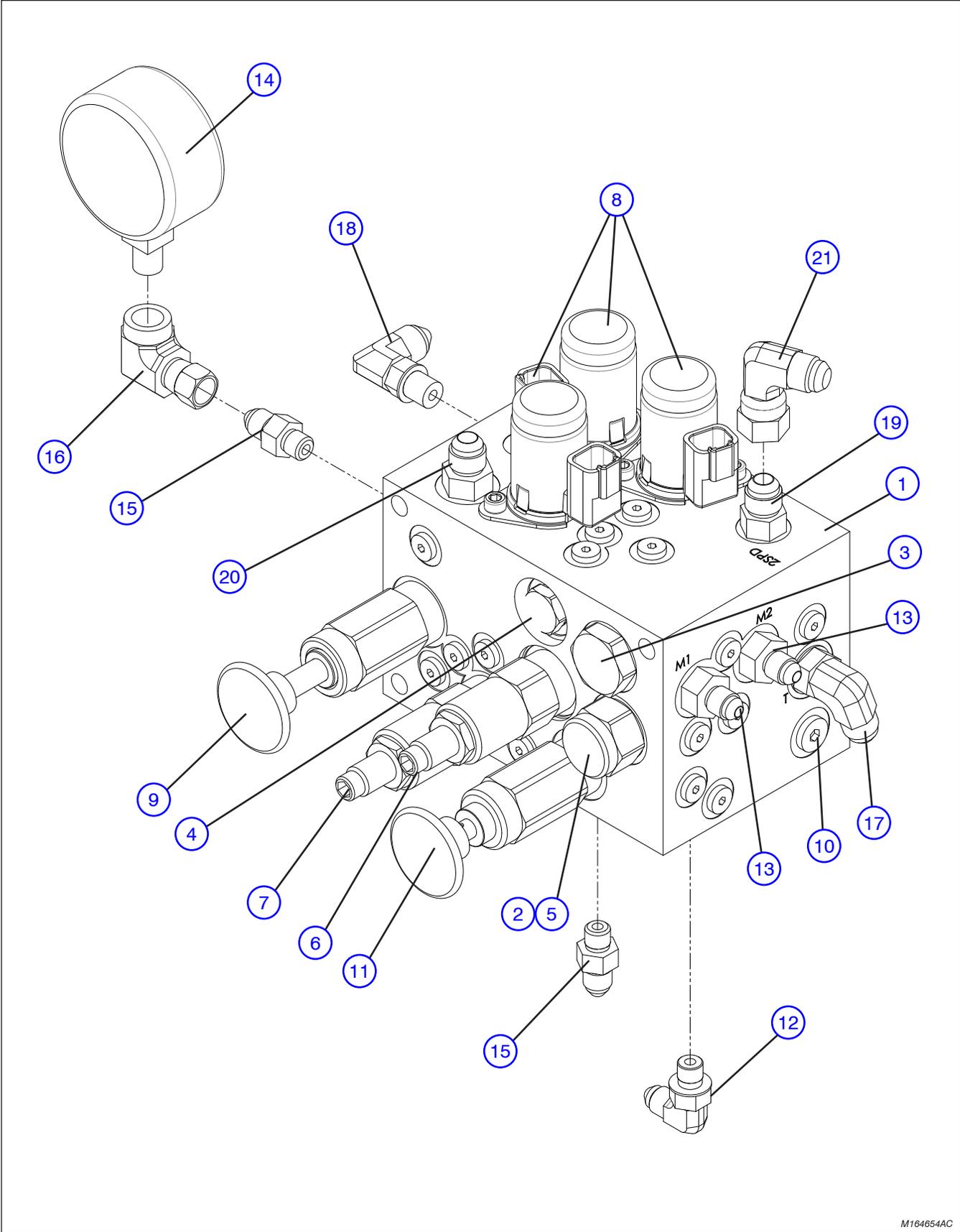


M164670AC

4.7 Main Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	164670	-	MAIN MANIFOLD ASSEMBLY
1	162843	1	• MANIFOLD, Main
2	103656	1	• • CARTRIDGE, Solenoid popp. valve
3	159819	7	• • COIL, 12V DC
4	166036	2	• • VALVE, Spool
5	166041	1	• • VALVE, Spool
6	159817	2	• • VALVE, Dual P.O. Check DC08-40
7	166052	1	• • VALVE, Spool
8	159820	4	• • COIL, 12V DC ER-Series 10-size
9	166040	2	• • VALVE, Spool
10	166047	1	• • VALVE, Relief
11	166050	1	• • VALVE, Flow control
12	166127	1	• • COIL, "EHPR", 12V DC 70-size
13	166042	1	• • VALVE, Relief
14	166049	1	• • VALVE, Relief
15	166058	1	• • REGULATOR, Pressure
16	166060	2	• • VALVE, Spool
17	159814	8	• • VALVE, Check CV04-20 (5 PSI)
18	166048	1	• • VALVE, Relief
19	166061	2	• • COMPENSATOR, Pressure
20	166062	1	• • COMPENSATOR, Pressure
21	166066	1	• • VALVE, Check
22	159813	1	• • VALVE, Check
23	103070	8	• FITTING, Straight (06 JICM - 08 ORBM)
24	102659	2	• FITTING, Straight (08 JICM - 08 ORBM)
25	126128	2	• FITTING, Straight (04 JICM - 04 ORBM)
26	131705	1	• FITTING, Straight (04 JICM - 08 ORBM)
27	102665	1	• FITTING, 90° (06 JICM - 08 ORBM)
28	125883	1	• FITTING, 90° (04 JICM - 04 ORBM)
29	103309	2	• FITTING, Tee Run (06 JICM - 06 JICM - 06 JICFS)
30	702118	2	• FITTING, Straight (12 JICM - 12 ORBM)
31	109052	1	• FITTING, Straight (06 JICM - 12 ORBM)
32	121250	2	• FITTING, Plug (04 ORBM Hex socket)
33	131286	1	• FITTING, Cap (04 JICF)
34	122420	1	QUICK DISCONNECT ASSEMBLY (CE & AS) (Not Shown)
	122385	1	• • COUPLER, Quick disconnect
	114521	1	• • CAP, Dust
	122428	1	• • FITTING, Straight (06 ORBM - 06 ORBM)

4.8 Brake Manifold Assembly

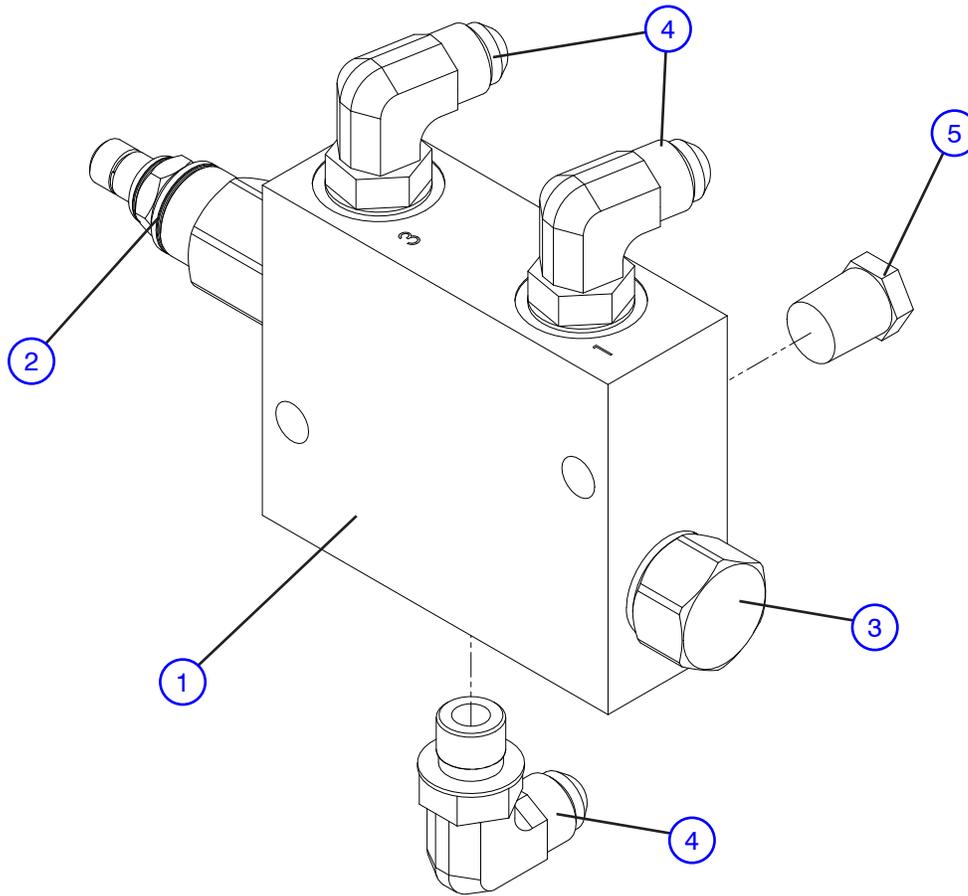


M164654AC

4.8 Brake Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	164654	1	BRAKE MANIFOLD ASSEMBLY
-	162844	1	• ASSEMBLY, Brake Manifold W/O D. Lock
1	166069	1	• • BLOCK, Manifold
2	166065	1	• • VALVE, Check
3	166053	1	• • VALVE, Shuttle
4	166054	1	• • VALVE, Shuttle
5	166073	1	• • ORIFICE, Disc (0.073")
6	166051	1	• • VALVE, Pressure reducer
7	166045	1	• • VALVE, Relief
8	159827	3	• • VALVE, Solenoid
9	159831	1	• • PUMP, Hand
10	141414	1	• • VALVE, Shuttle
11	141436	1	• • VALVE, Brake release override
12	125883	1	• FITTING, 90° (04 JICM - 04 ORBM)
13	701956	2	• FITTING, Straight (04 JICM - 06 ORBM)
14	703725	1	• GAUGE, 800 PSI
15	126128	2	• FITTING, Straight (04 JICM - 04 ORBM)
16	144728	1	• FITTING, 90° (04 NPTF - 04 JICF SW)
17	114578	1	• FITTING, 90° (06 JICM - 06 ORBM)
18	113348	1	• FITTING, 90° (06 JICM - 04 ORBM)
19	128869	1	• FITTING, Straight (06 JICM - 04 ORBM)
20	103069	1	• FITTING, Straight (06 JICM - 06 ORBM)
21	702761	2	• FITTING, 90° (06 JICM - 06JICFSW)

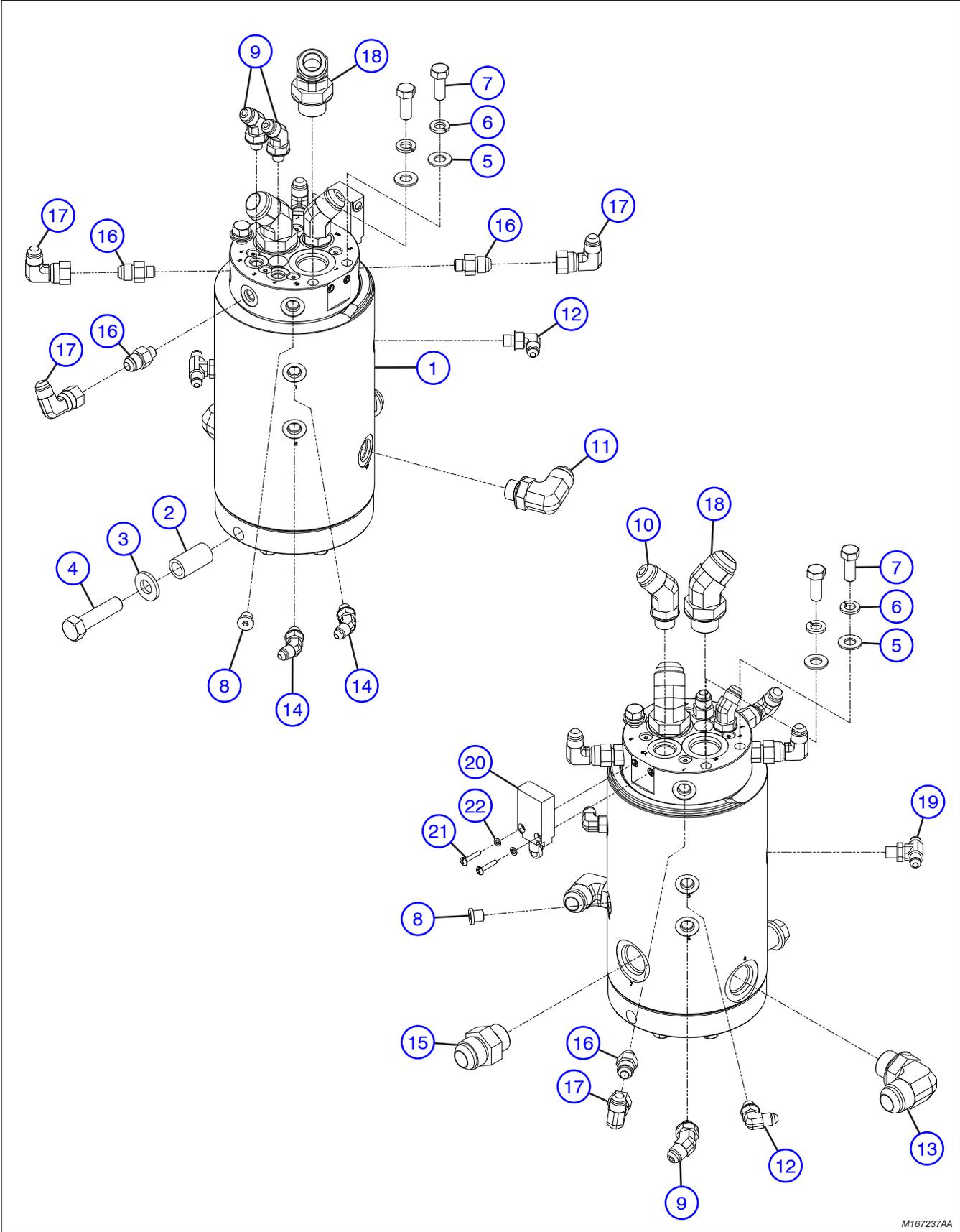
4.9 Pressure Reducing Manifold



M169008AA

Index No.	Skyjack Part No.	Qty.	Description
-	169008	1	PRESSURE REDUCING MANIFOLD ASSEMBLY
-	168158	1	• • MANIFOLD, Pressure reducing
1	138241	1	• • • BLOCK, Manifold
2	168242	1	• • • VALVE, Relief
3	168243	1	• • • VALVE, Check
4	114578	3	• • FITTING, 90° (06 JICM - 06 ORBM)
5	144628	1	• • FITTING, Hex head plug, brass (04 NPTM)

4.10 Rotary Manifold Assembly

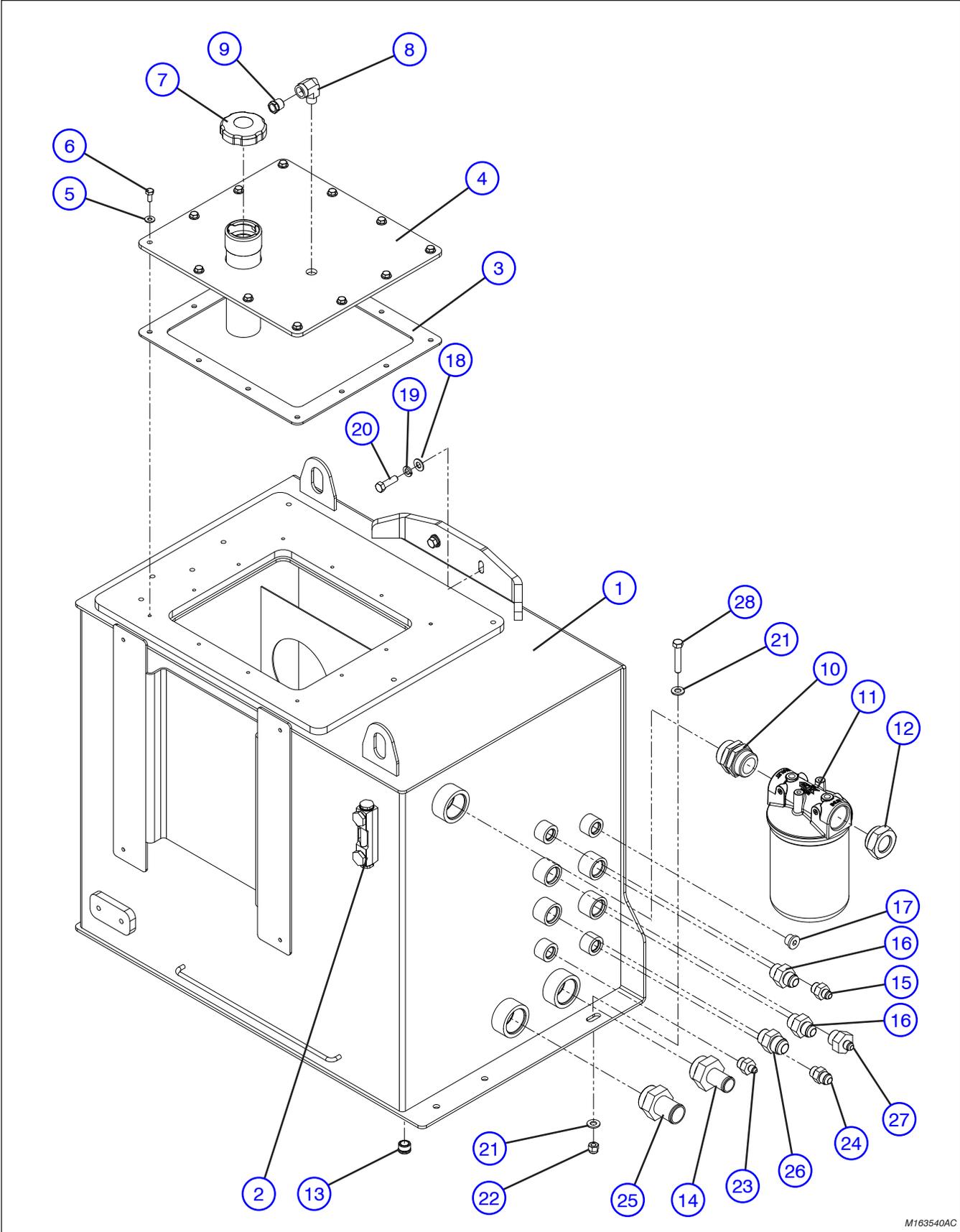


M167297AA

4.10 Rotary Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	167237	-	ROTARY MANIFOLD ASSEMBLY
1	149380	1	• MANIFOLD, Rotary
2	138956	1	• SPACER, Rotary manifold
3	104379	1	• WASHER, Flat hardened (1/2")
4	103904	1	• BOLT, Hex head (1/2"-13 x 2" Grade 5)
5	103472	4	• WASHER, Flat (3/8")
6	103999	4	• WASHER, Lock (3/8")
7	103473	4	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
8	121250	2	• FITTING, Plug (04 ORBM Hex head socket)
9	701478	3	• FITTING, Elbow, 45° (06 JICM - 04 ORBM)
10	131804	1	• FITTING, Elbow, 45° (10 JICM - 08 ORBM)
11	135243	1	• FITTING, Elbow, 90° (10 JICM - 08 ORBM)
12	125883	2	• FITTING, Elbow, 90° (04 JICM - 04 ORBM)
13	105445	1	• FITTING, Elbow, 90° (12 JICM - 12 ORBM)
14	131716	2	• FITTING, Elbow, 45° (04 JICM - 04 ORBM)
15	702118	1	• FITTING, Straight (12 JICM - 12 ORBM)
16	128869	4	• FITTING, Straight (06 JICM - 04 ORBM)
17	702761	4	• FITTING, Straight (06 JICM - 06 JICF SW)
18	131707	2	• FITTING, Elbow, 45° (12 JICM - 12 ORBM)
19	132463	1	• FITTING, Branch tee (04MJ - 04MB - 04MJ)
20	119348	1	• LIMIT SWITCH, Sealed
21	103958	2	• SCREW, Round machine (#8 - 32 x 3/4")
22	112249	2	• WASHER, Lock (#8)
K	154659	1	KIT, Seal (Rotary Manifold)

4.11 Hydraulic Tank Assembly

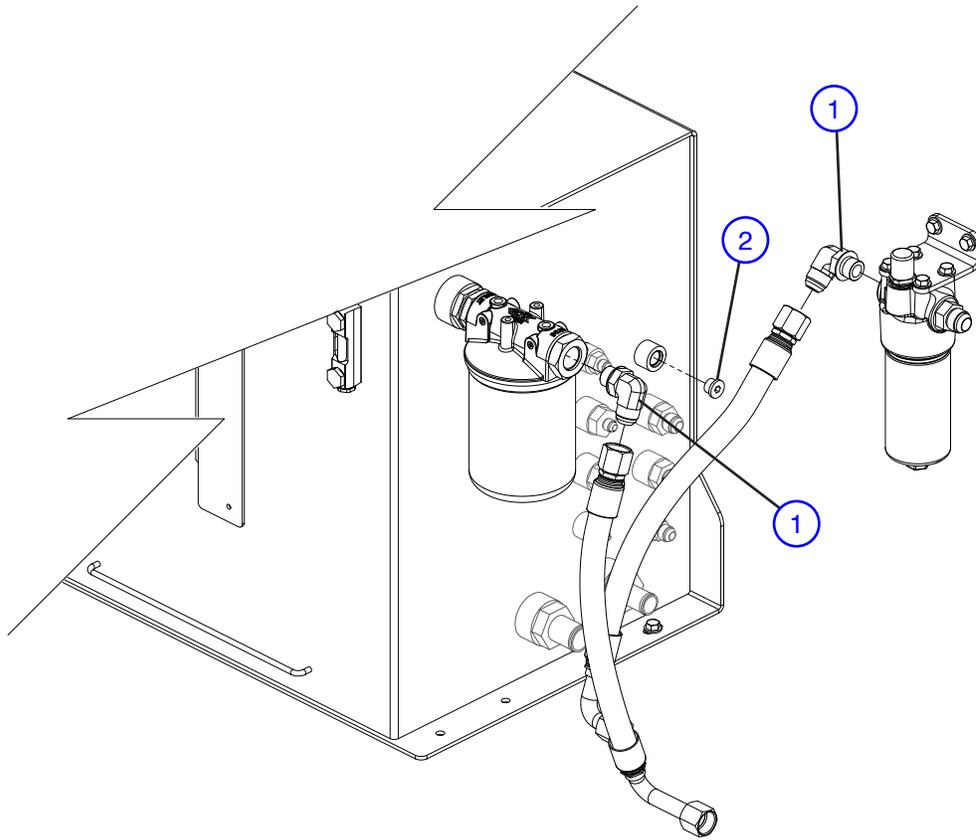


M163540AC

4.11 Hydraulic Tank Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	163540	-	HYDRAULIC TANK WITH FITTINGS ASSEMBLY
-	163539	-	• HYDRAULIC TANK ASSEMBLY
1	163524	1	• • TANK WELDMENT, Hydraulic
2	138480	1	• • GAUGE, Hydraulic level/temperature
3	147443	1	• • GASKET, Hydraulic tank
4	147417	1	• • COVER, Hydraulic tank
5	103995	12	• • WASHER, Flat (1/4")
6	103892	12	• • BOLT, Hex head (1/4"-20 x 5/8" Grade 5)
7	136361	1	• • CAP, Filler non-vented (2.281" OD)
8	144520	1	• • FITTING, 90 ° (3/8" NPTF - 3/8" NPTM)
9	137540	1	• • VENT, Breather (3/8" NPT)
10	139101	1	• FITTING, Straight (20 ORBM - 20 ORBM)
11	161933	1	• FILTER ASSEMBLY Return line
	161948	1	• • FILTER ELEMENT, Return line
12	144071	1	• FITTING, Straight (20 ORBM - 12 ORBF)
13	143980	1	• FITTING, Magnetic plug (08 ORBM)
14	147531	1	• FITTING, Straight (16 BEAD - 20 ORBM)
15	103070	1	• FITTING, Straight (06 JICM - 08 ORBM)
16	137490	2	• FITTING, Straight (10 JICM - 12 ORBM)
17	702796	1	• FITTING, Plug hex socket (08 ORBM)
18	103472	2	• WASHER, Flat (3/8")
19	103999	2	• WASHER, Lock (3/8")
20	101297	2	• BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
21	125959	4	• WASHER, Flat (3/8")
22	104606	2	• NUT, Hex head nylon lock (3/8"-16, Grade 5)
23	131705	1	• FITTING, Straight (04 JICM - 08 ORBM)
24	102659	1	• FITTING, Straight (08 JICM - 08 ORBM)
25	147532	1	• FITTING, Straight (20 BEAD - 20 ORBM)
26	702118	1	• FITTING, Straight (12 JICM - 12 ORBM)
27	109052	1	• FITTING, Straight (06 JICM - 12 ORBM)
28	103596	2	• BOLT, Hex head (3/8"-16 x 2" Grade 5)

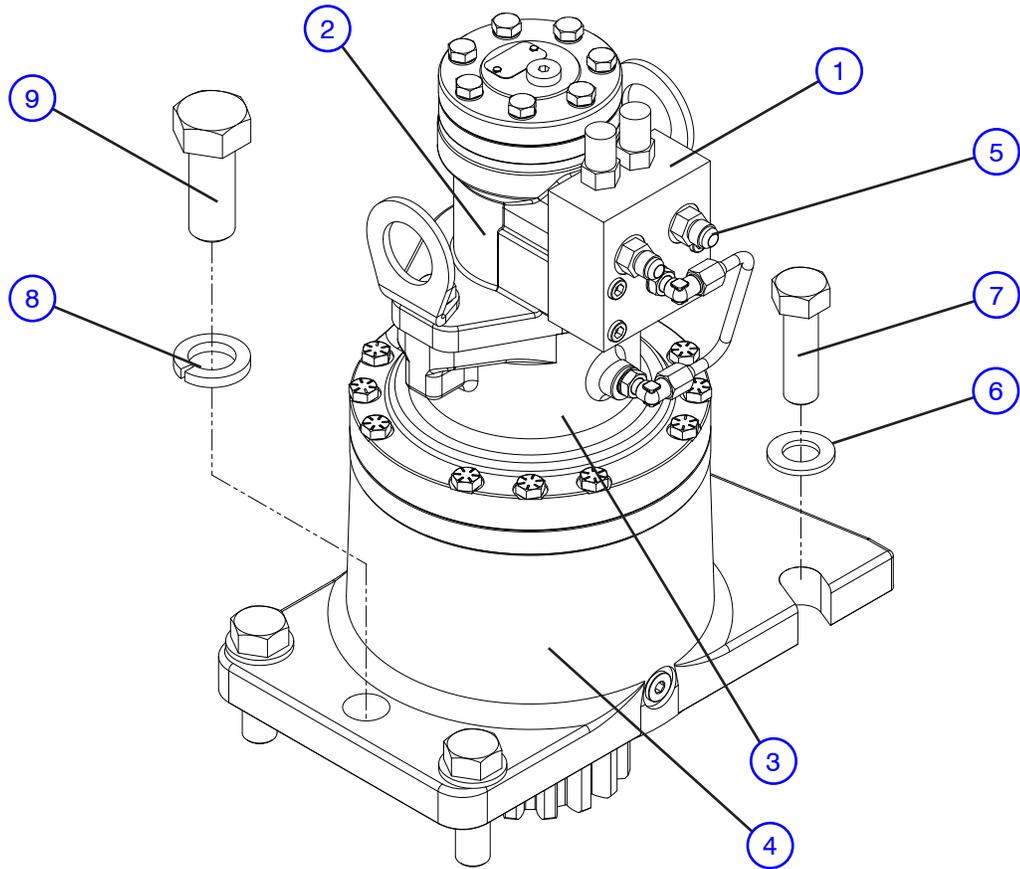
4.12 No Generator and Oil Cooler Hose Fittings



M166341AB

Index No.	Skyjack Part No.	Qty.	Description
1	105445	2	FITTING, Elbow 90° (12 JICM - 12 ORBM)
2	121250	1	FITTING, Plug hollow hex (04 ORB)

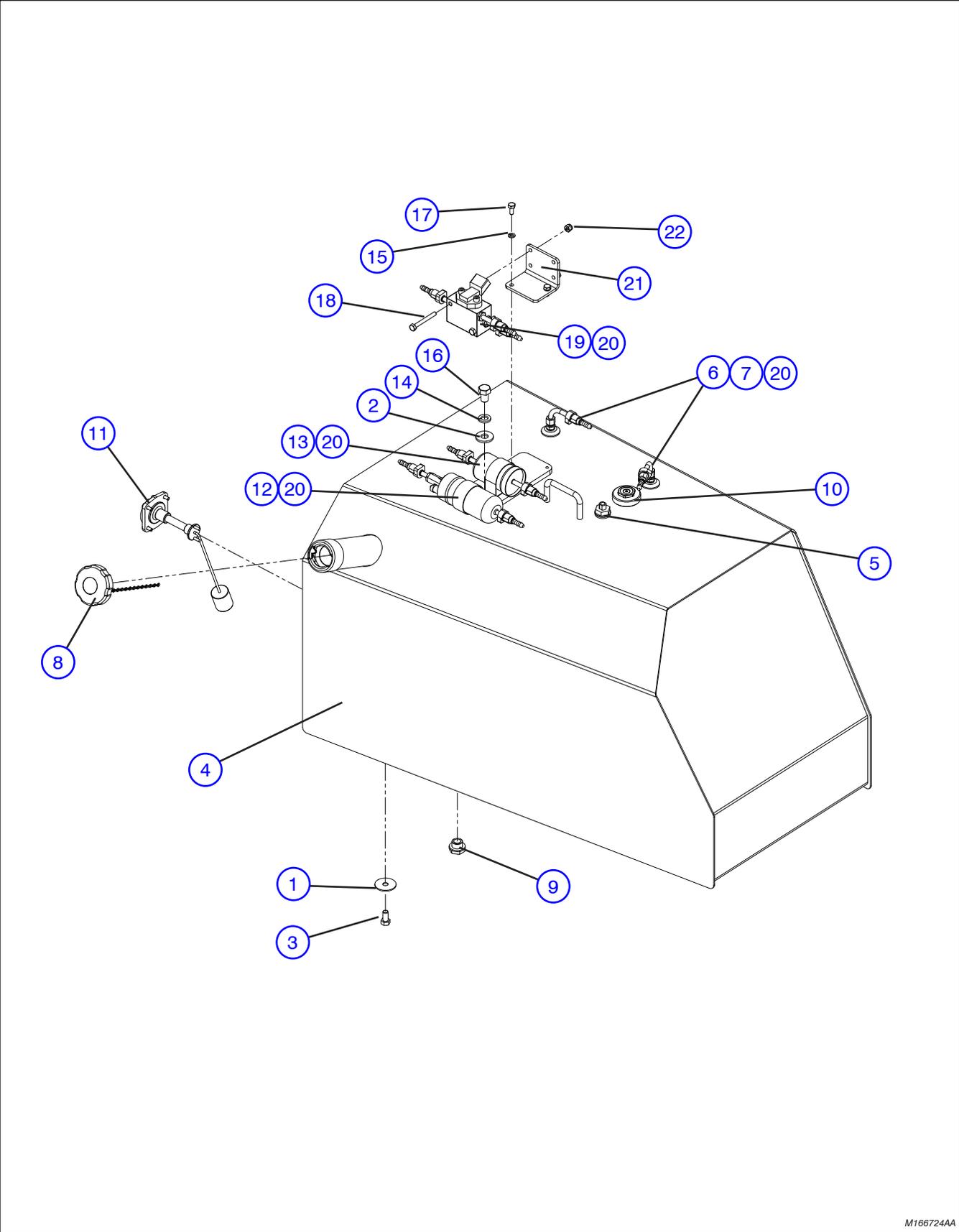
4.13 Turret Swing Drive Assembly



M167466AA

Index No.	Skyjack Part No.	Qty.	Description
-	167466	1	SWING DRIVE ASSEMBLY
-	167209	1	• SWING DRIVE, Turret rotate
1	141488	1	• • MANIFOLD, Swing drive
	141499	2	• • • VALVE, Counterbalance
2	168872	1	• • MOTOR, Hydraulic
3	168873	1	• • BRAKE, Hydraulic
4	146006	1	• • GEAR, Reduction
5	103069	2	• FITTING, Straight (06JICM-06ORBM)
6	103990	4	• WASHER, Flat (3/4")
7	100850	4	• BOLT, Hex head (3/4"-10 x 2.50" Grade 8)
8	107948	1	• WASHER, Lock (1")
9	139181	1	• BOLT, Hex head (1"-8 x 2.5" Grade 8)
K1	168874	1	SEAL KIT, Brake
K2	168875	1	SEAL KIT, Main shaft & ring gear

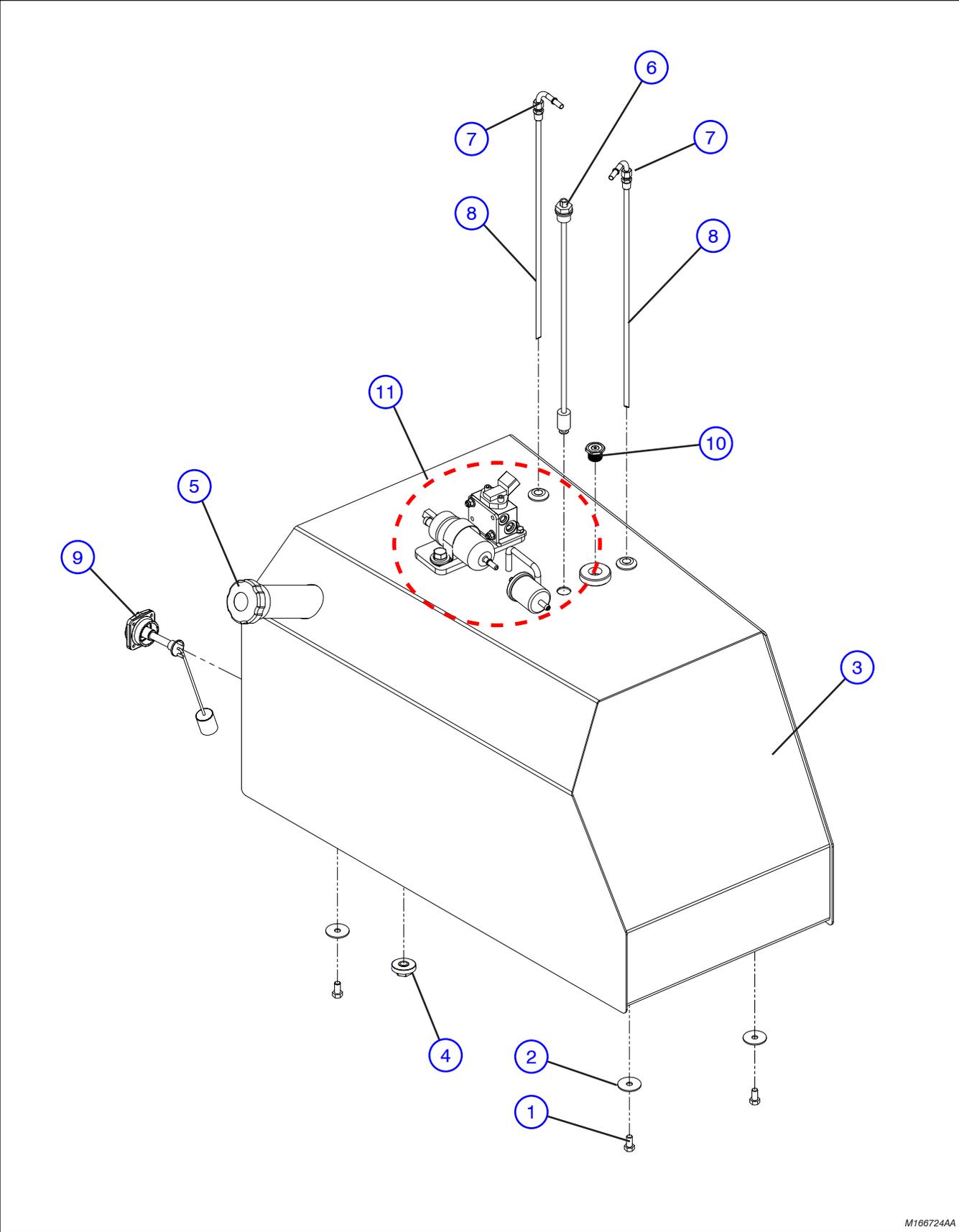
4.14 Fuel Tank Assembly (GM Dual Fuel Engine)



M166724AA

4.14 Fuel Tank Assembly - GM Dual Fuel Engine

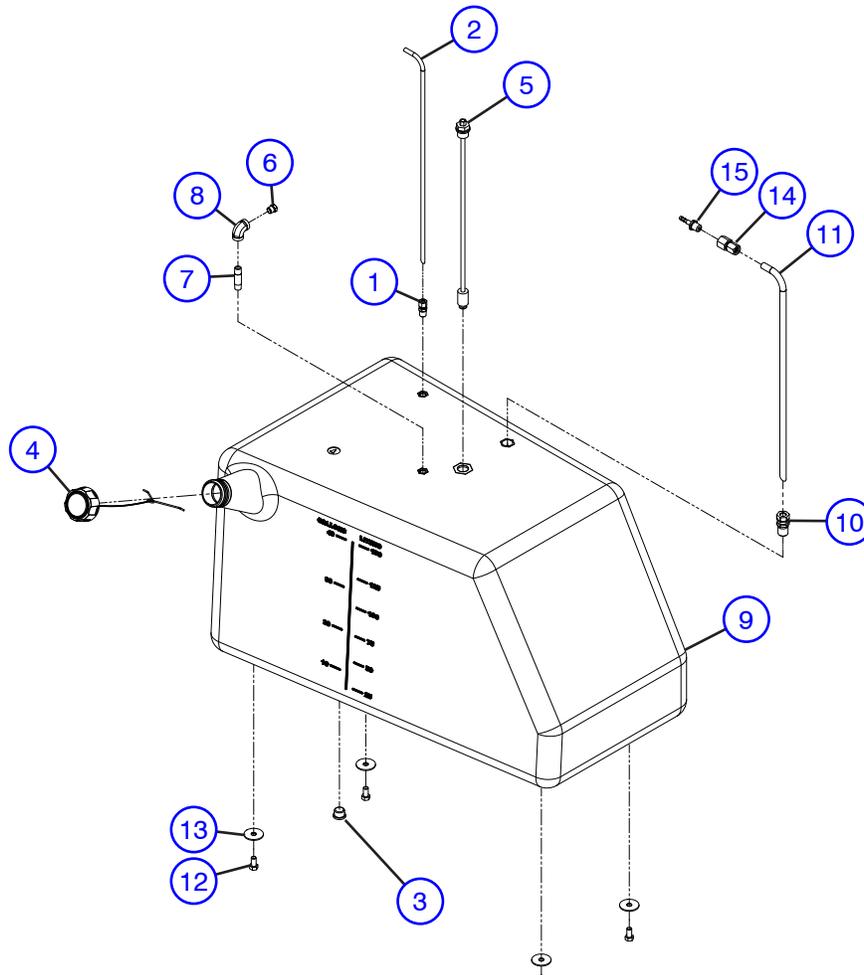
Index No.	Skyjack Part No.	Qty.	Description
-	166724	1	FUEL TANK ASSEMBLY (Gasoline, steel)
1	127067	4	• WASHER, Flat (3/8", Style BB)
2	103468	1	• WASHER, Flat (1/2")
3	138739	4	• BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
-	148478	1	• FUEL TANK ASSEMBLY
4	148479	1	• • TANK, Fuel (steel)
5	138230	1	• • SWITCH, Fuel level
6	103155	2	• • FITTING, Brass tank (#T68-5B)
7	144338	2	• • TUBE, Fuel send/return
8	136369	1	• • CAP, Fuel (filler non-vented)
9	117701	1	• • PLUG (3/4"-16UNF with magnet)
10	144392	1	• • VALVE, Dual action
11	148422	1	• • GAUGE, Level
12	(Ref.)	1	• PUMP, Fuel (For components, refer to Section 7.4)
13	(Ref.)	1	• FILTER, Fuel (For components, refer to Section 7.4)
14	103470	1	• WASHER, Lock (1/2")
15	104000	2	• WASHER, Lock (1/4")
16	116997	1	• BOLT, Hex head (1/2"-13 x 3/4" Grade 5)
17	103892	2	• BOLT, Hex head (1/4"-20 x 0.625", Grade 5)
18	103862	2	• BOLT, Hex head (1/4"-20 x 2.25" Grade 5)
19	(Ref.)	1	• MANIFOLD, Fuel (For components, refer to Section 7.4)
20	142397	9	• FITTING, Quick disconnect (straight)
21	166755	1	• BRACKET, Fuel manifold
22	115649	2	• NUT, Hex head nylon lock (1/4"-20, Grade 5)



M166724AA

Index No.	Skyjack Part No.	Qty.	Description
-	171172	1	FUEL TANK ASSEMBLY (Gasoline, steel)
1	101632	4	• BOLT, Hex head (0.375"-16 x 0.75" Grade 5)
2	127062	4	• WASHER, Flat (0.375", Style BB)
-	148478	1	• FUEL TANK ASSEMBLY
3	148479	1	• • TANK, Fuel (steel)
4	117701	1	• • PLUG (3/4-16UNF with magnet)
5	136369	1	• • CAP, Fuel (filler non-vented)
6	138230	1	• • SWITCH, Fuel level
7	103155	2	• • FITTING, Brass tank (#T68-5B)
8	144338	2	• • TUBE, Fuel send/return
9	148422	1	• • GAUGE, Level
10	144392	1	• VALVE, Dual action
11	(Ref.)	1	• FUEL PUMP, FILTER, MANIFOLD & LINES (For components, refer to Section 8.9)

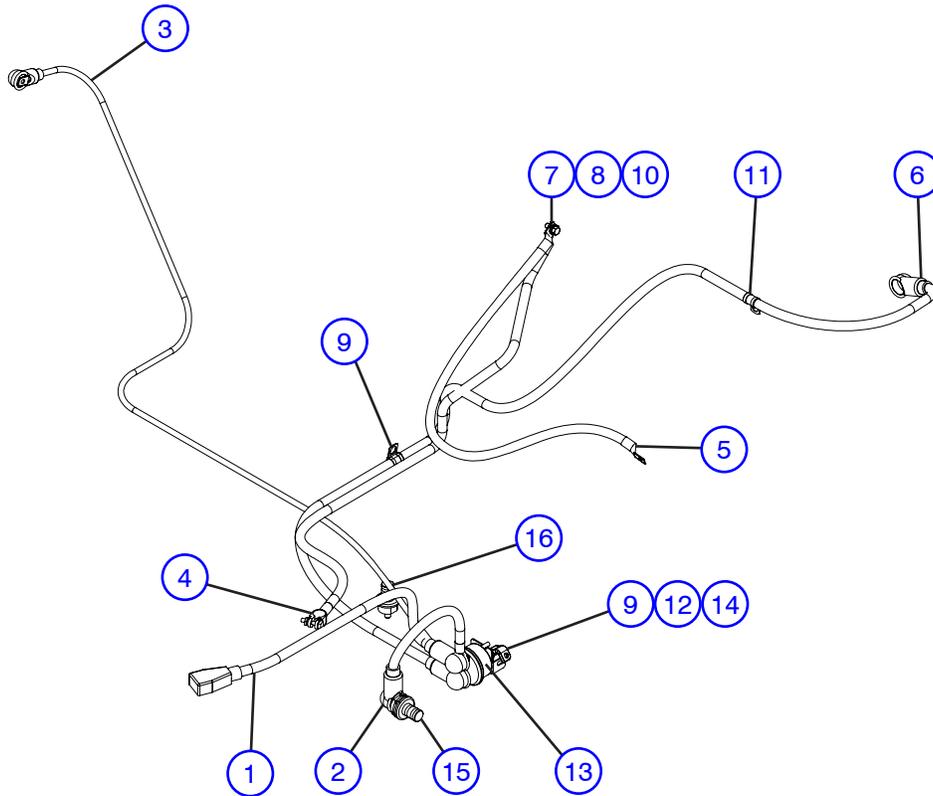
4.16 Fuel Tank Assembly - Deutz Diesel Engine



M166658AA

Index No.	Skyjack Part No.	Qty.	Description
-	166727	1	TANK ASSEMBLY, Deutz TD2.9L, A
-	166658	1	TANK ASSEMBLY, Deutz D2011, B
-	164756	1	• TANK ASSEMBLY, Diesel
1	103155	1	• • FITTING, Brass tank (#T68-5B)
2	138491	1	• • TUBE, Fuel send/return
3	137629	1	• • FITTING, Hydraulic plug (10MB)
4	144410	1	• • CAP, Fuel (Non EPA)
5	138230	1	• • SWITCH, Fuel level
6	116408	1	• • BREATHER VENT (1/4" NPT)
7	143478	1	• • FITTING, Brass nipple (1/4" NPT x 2" LG)
8	144325	1	• • FITTING, Brass 90° (1/4" NPTF x 1/4" NPTF)
9	164705	1	• • TANK, Fuel (Molded)
10	164674	1	• • FITTING, Compression tube (1/2" OD x 1/2" NPT)
11	164673	1	• • TUBE, Fuel suction
12	138739	4	• BOLT, Hex head (3/8"-16 x 3/4" Grade 5)
13	127067	4	• WASHER, Flat (3/8", Style BB)
14	165716	1	• FITTING, Straight (08 BT - 06 FP), B
15	165719	1	• FITTING, Hose barb, B

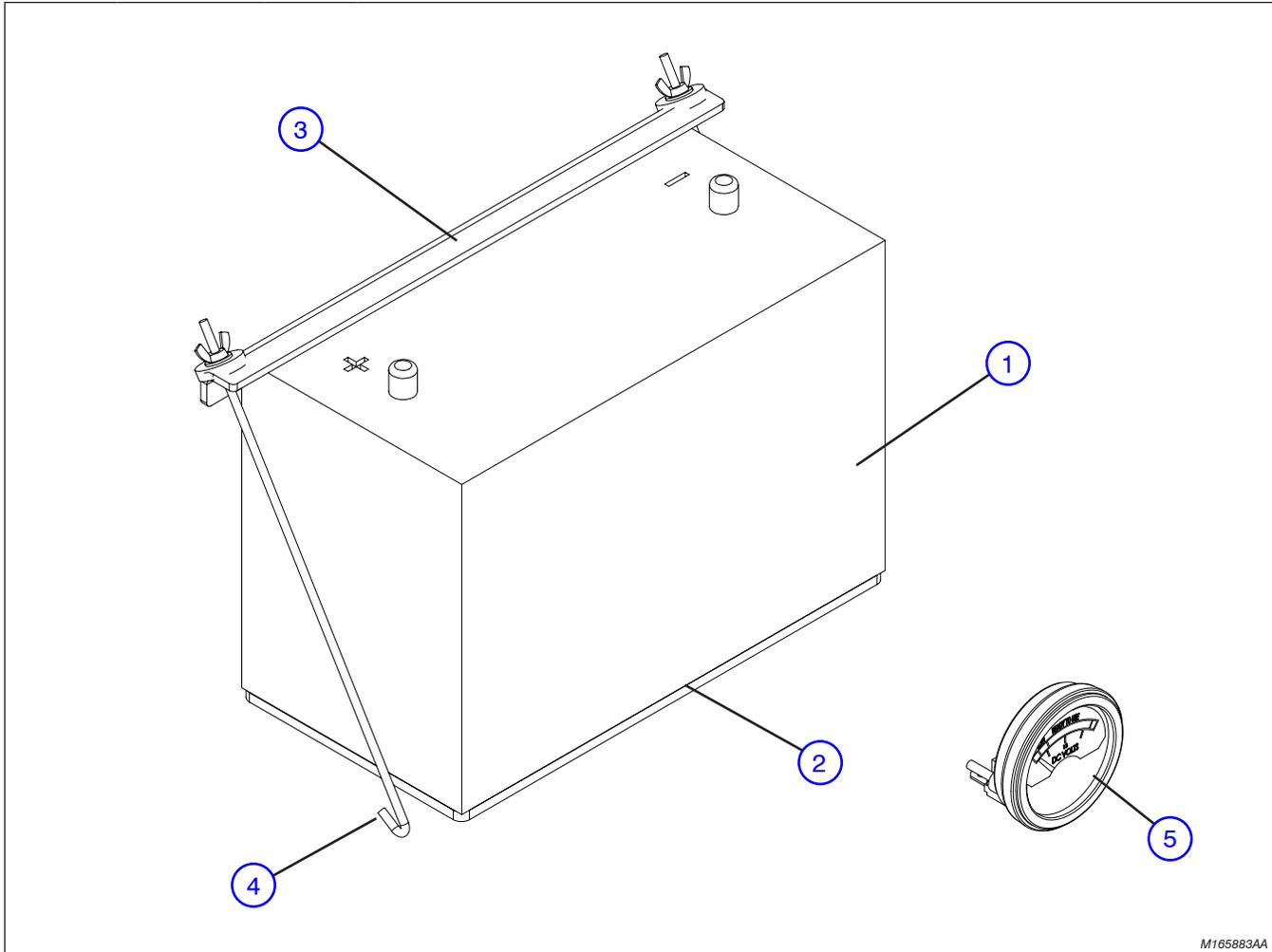
4.17 Battery Cable Assembly



M165846AC

Index No.	Skyjack Part No.	Qty.	Description
-	167617	1	BATTERY CABLE ASSEMBLY
1	147554	1	• CABLE, Battery (Positive)
2	165850	1	• ASSEMBLY, Cable (Weld #2/0.38*12*0.38, B+,B+)
3	167616	1	• CABLE, Battery (E-pump)
4	147538	1	• CABLE, Battery (Negative)
5	138703	1	• ASSEMBLY, Cable (Weld #2/0 0.38*30*0.31, 00, 00) (Flywheel housing)
6	154245	1	• ASSEMBLY, Cable (Weld #2/0 3/8*75*3/8, 03, 03) (Starter post)
7	103887	1	• BOLT, Hex head (0.32 - 18 x 0.750 Grade 5)
8	103404	1	• WASHER, Lock (0.312)
9	104185	2	• WASHER, Lock (#10)
10	103996	1	• WASHER, Flat (0.312)
11	144129	2	• CLIP, Single (S332G10)
12	108714	1	• MOUNT, Lock out switch
13	119725	1	• SWITCH, Main lockout
14	115545	2	• SCREW, Round head machine (10-32 x 0.375)
15	165874	1	• TERMINAL, Jumper (Red cap)
16	166751	1	• TERMINAL, Jumper (Black cap)

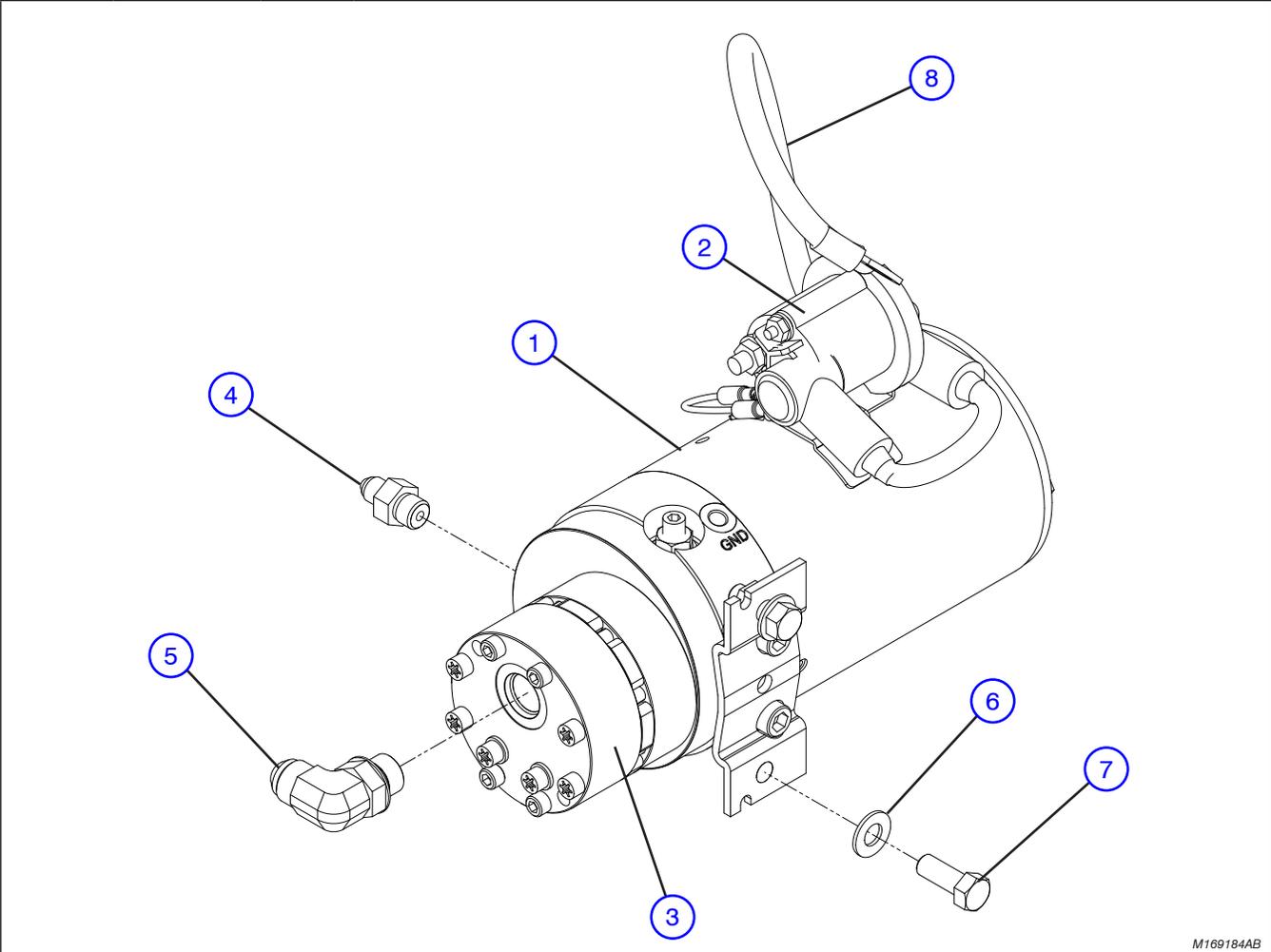
4.18 Battery and Lockout Switch Assembly



M165883AA

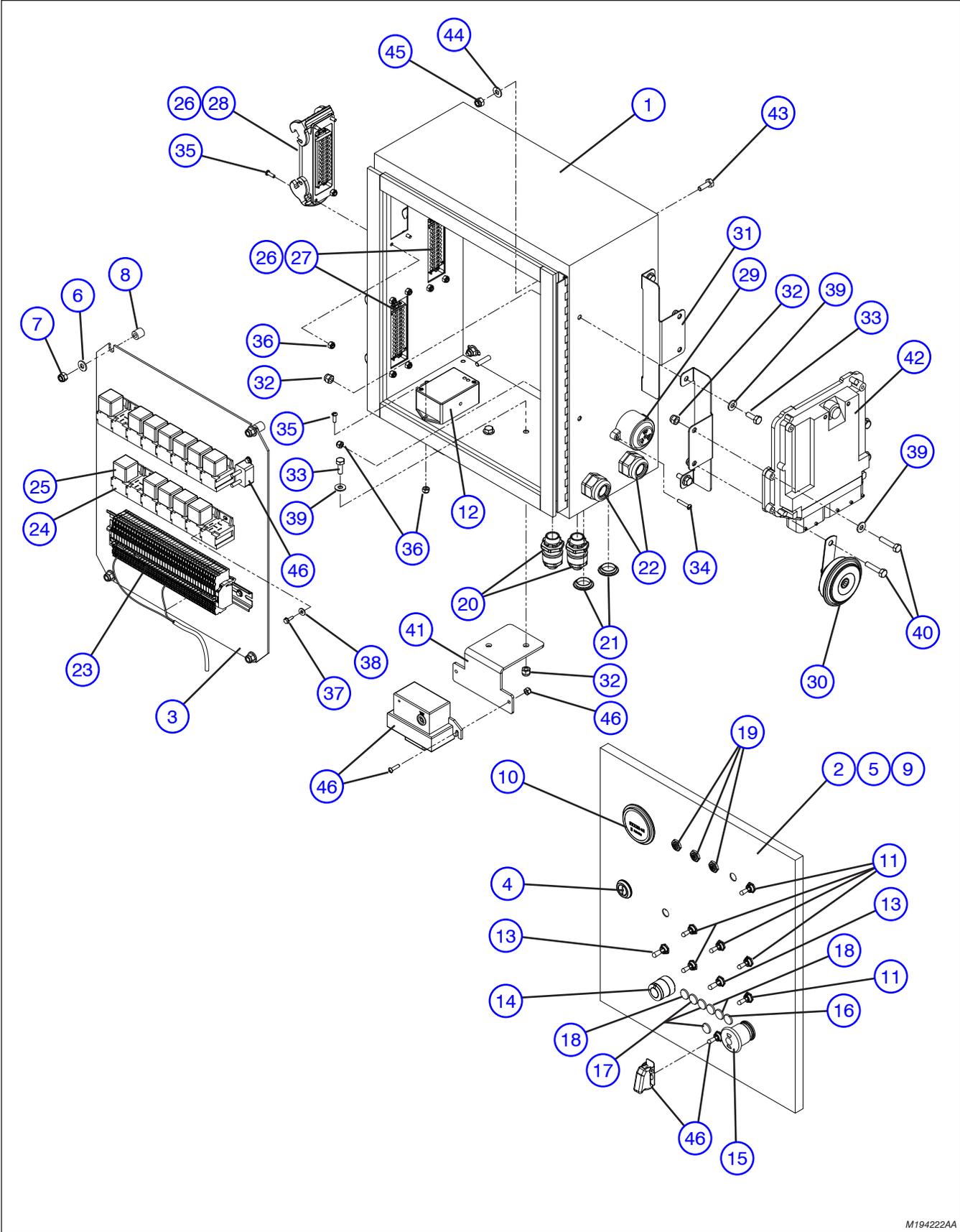
Index No.	Skyjack Part No.	Qty.	Description
-	165833	1	BATTERY ASSEMBLY
1	144676	1	• BATTERY (12V, 950 CCA)
2	157464	1	• PAD, Battery
3	150959	1	• BRACKET, Battery Retainer
4	150960	2	• HOLD DOWN, Battery
-	167620	1	CHARGE INDICATOR ASSEMBLY (CE & AS)
5	152323	1	• CHARGE INDICATOR, 12V
	152345	1	• WIRE ASSEMBLY, Charge Indicator, 03 (+)
	167619	1	• WIRE ASSEMBLY, Charge Indicator, 00 (-)

4.19 Auxiliary Pump



M169184AB

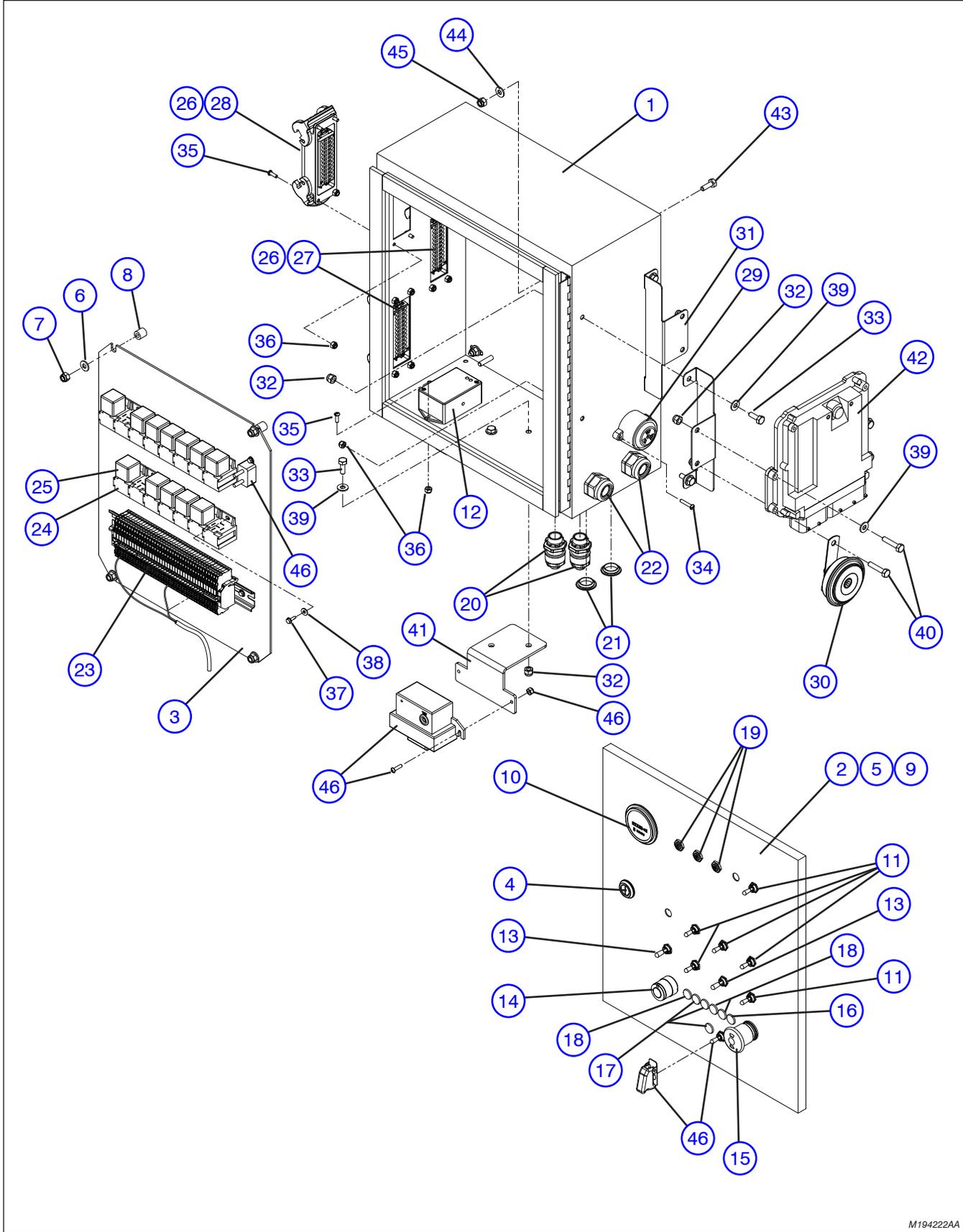
Index No.	Skyjack Part No.	Qty.	Description
-	169184	1	AUXILIARY PUMP ASSEMBLY
-	160923	1	• PUMP, Auxiliary
1	168897	1	• • MOTOR
2	168898	1	• • CONTACTOR
3	169244	1	• • PUMP
4	701956	1	• FITTING, Straight (04 JICM - 06 ORBM)
5	114583	1	• FITTING, Elbow, 90° (08 JICM - 08 ORBM)
6	103472	2	• WASHER, Lock (0.375")
7	103473	2	• BOLT, Hex head (0.375"-16 x 1.00" Grade 5)
8	148499	1	• CABLE, E-pump ground



M194222AA

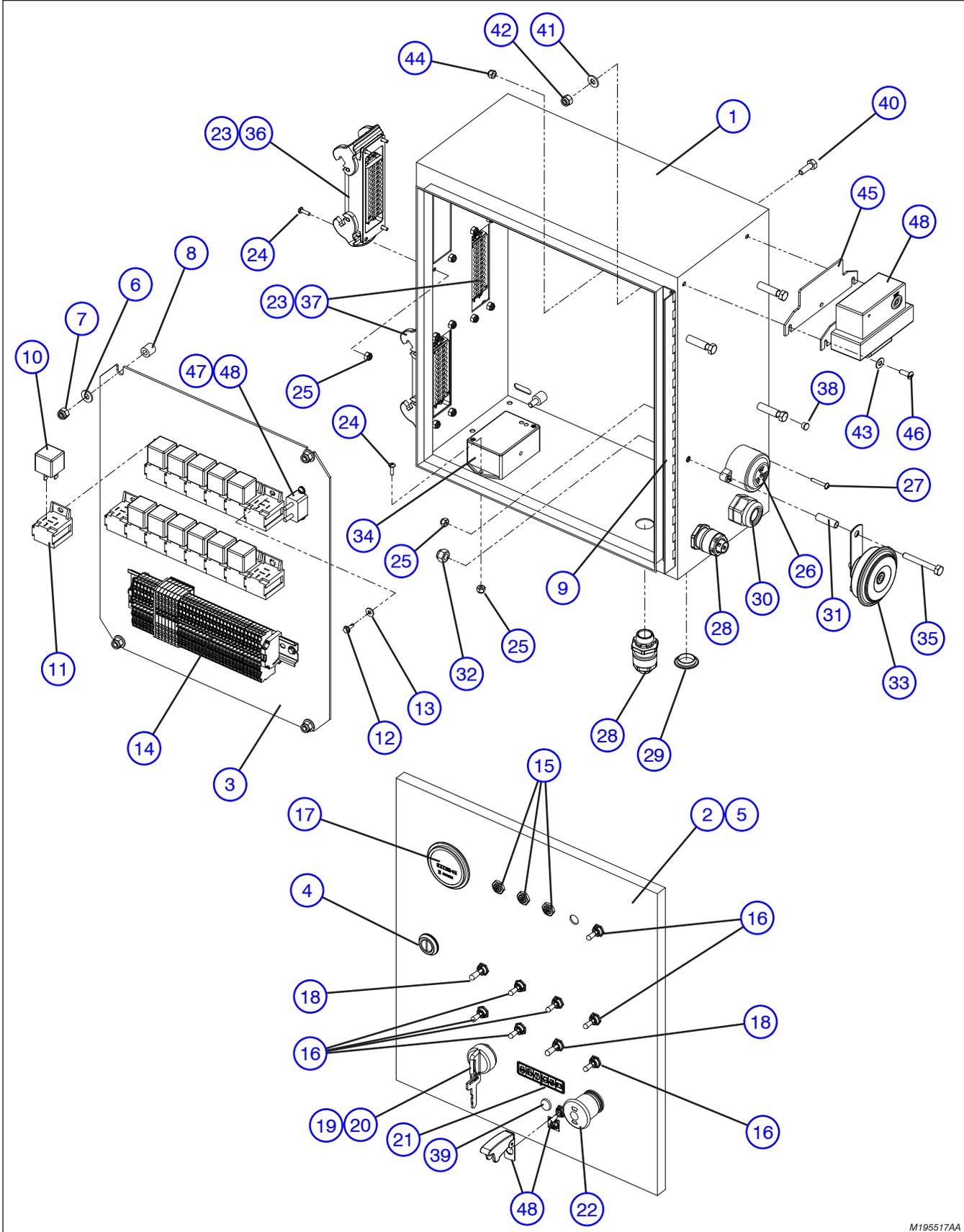
Index No.	Skyjack Part No.	Qty.	Description
A	165762	-	BASE CONTROL BOX (SJ 61T - ANSI Deutz)
B	194222	-	BASE CONTROL BOX (SJ 61T - ANSI Deutz TD2.9L with Posi-Air Option)
C	164817	-	BASE CONTROL BOX (SJ 66T - ANSI Deutz)
D	171117	-	BASE CONTROL BOX (SJ 66T - ANSI Deutz TD2.9L with Posi-Air Option)
E	165815	-	BASE CONTROL BOX (SJ 66T - CE Deutz)
-	164775	1	• CONTROL BOX, A, C, E
	171136	1	• CONTROL BOX with modification, B, D
1	164776	1	• • BODY, Control box
2	164777	1	• • DOOR, Control box
3	138713	1	• • PANEL, Control box
4	138715	1	• • LATCH, Slotted door
5	138723	1	• • WEATHER STRIP
6	103995	4	• • WASHER, Flat (1/4")
7	115649	4	• • NUT, Hex lock (1/4"-20 Grade 5, nylon)
8	138724	4	• • STANDOFF, Nylon (0.26 ID x 1/2" long)
9	138714	1	• • HINGE, Continuous
10	103336	1	• HOUR METER
11	102853	5	• SWITCH, Toggle, A, B
		6	• SWITCH, Toggle, C, D, E
12	166163	1	• SWITCH, Tilt (analog 28°)
13	138278	2	• SWITCH, Toggle
14	164833	1	• SWITCH ASSEMBLY, Key, A, B, C, D
	147056	1	• • LATCH, Mounting
	147053	1	• • BLOCK, NO Contact (red plunger)
	166141	1	• • BLOCK, NO Contact (black plunger)
	166142	1	• • BLOCK, NC Contact (yellow plunger)
	149605	1	• • SWITCH HEAD, Selector
	165828	1	• SWITCH ASSEMBLY, Key, E
	147056	1	• • LATCH, Mounting
	165829	1	• • SWITCH HEAD, Selector, Keyed, CE Type
	166141	1	• • BLOCK, NO Contact, Early Make
	166142	1	• • BLOCK, NC Contact, Early Break
15	144652	1	• SWITCH, Emergency stop red
	147056	1	• • LATCH, Mounting
	147053	1	• • BLOCK, NC Contact
	147229	1	• • SWITCH, LED block
	147051	1	• • HEAD, Emergency stop switch
16	164831	1	• INDICATOR, Light (Green)
17	164832	2	• INDICATOR, Light (Red), A, C, E
		3	• INDICATOR, Light (Red), B, D
18	133133	3	• INDICATOR, Light (Amber)
19	117325	3	• CIRCUIT BREAKER (15 AMP)
20	103041	2	• CONNECTOR, Strain relief
21	116266	2	• CONNECTOR, Heyco liquid tight
22	139128	2	• PLUG (0.88")
23	(Ref.)	1	• TERMINAL STRIP, Base (For components, refer to Section 4.22)

Parts list continued on the following page.



M194222AA

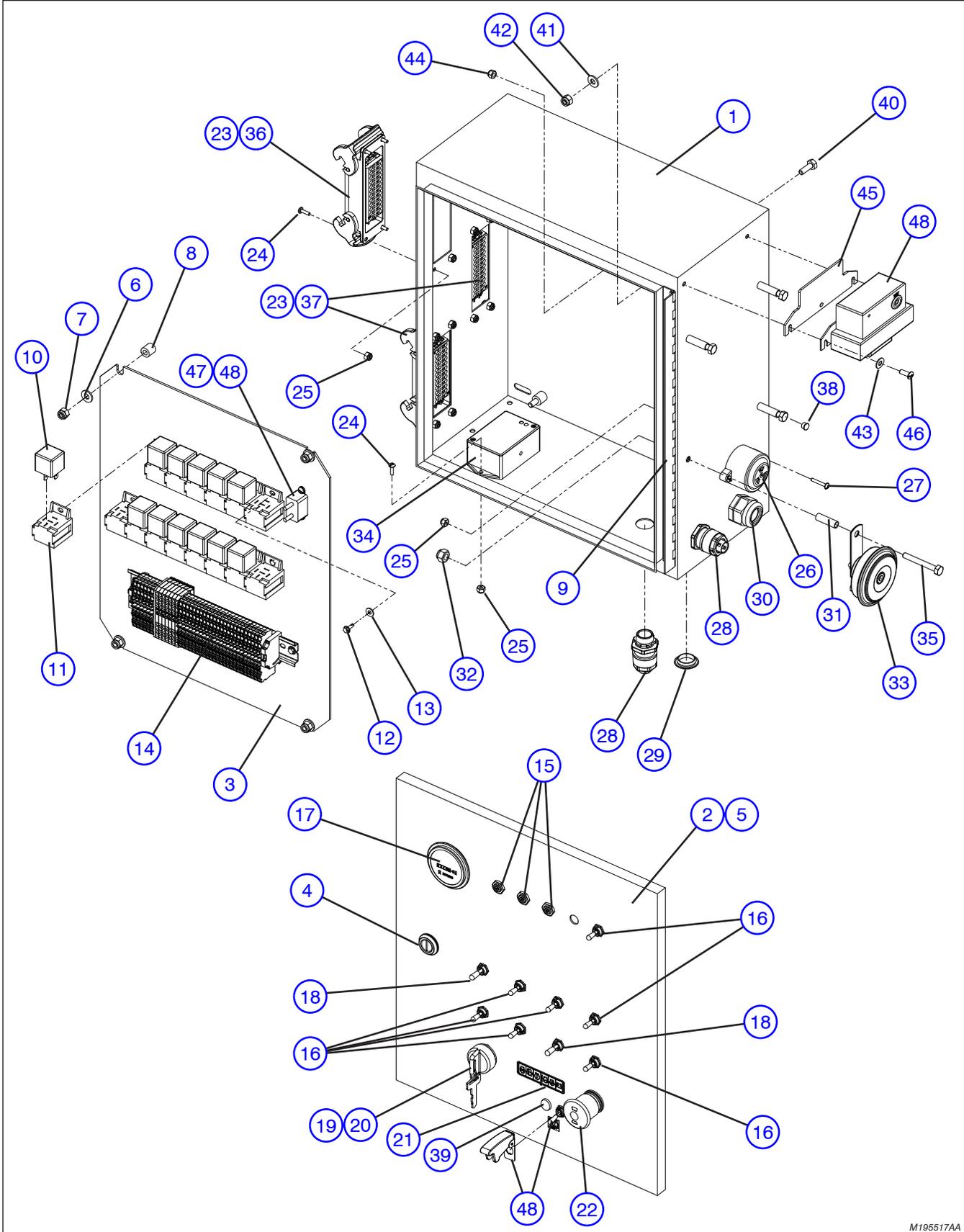
Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
24	138749	14	• SOCKET, Automotive relay, A, C, E
		15	• SOCKET, Automotive relay, B, D
25	127131	11	• RELAY, 12V (40 AMP), A, C, E
		12	• RELAY, 12V (40 AMP), B, D
26	138751	3	• HOUSING, Open bottom 24 pin levered
27	138756	2	• SOCKET, 24 Pole spring (16A)
28	138755	1	• PLUG, 24 pole spring (16A)
29	103056	1	• BEEPER (7.5 - 16 VDC), A, B, C, D
30	146652	1	• HORN (12V)
31	164844	2	• BRACKET, ECU Mounting
32	115649	8	• NUT, Hex lock (1/4"-20 Grade 5, nylon), A, C, E
		10	• NUT, Hex lock (1/4"-20 Grade 5, nylon), B, D
33	103856	4	• BOLT, Hex head (1/4"-20 x 3/4" Grade 5), A, C, E
		6	• BOLT, Hex head (1/4"-20 x 3/4" Grade 5), B, D
34	126499	2	• SCREW, Round head machine (#8-32 x 7/8")
35	103957	14	• SCREW, Round head machine (#8-32 x 1/2")
36	138765	16	• NUT, Hex lock (#8-32 Grade 5, nylon)
37	112327	6	• SCREW, Hex head self-tapping (#8-18 x 1/2")
38	103991	6	• WASHER, Flat (#8)
39	103995	7	• WASHER, Flat (1/4"), A, C, E
		9	• WASHER, Flat (1/4"), B, D
40	103858	4	• BOLT, Hex head (1/4"-20 x 1 1/4")
41	169666	1	• HOLDER, RL5 - Positive air option, B, D
42	164845	1	ECU (supplied with engine)
43	103856	4	BOLT, Hex head (0.25"-20 x 0.75" gr 5)
44	103995	4	WASHER, Flat (0.25")
45	115649	4	NUT, Hex head nylon lock (0.25"-20 gr 5)
46	(Ref.)	1	POSITIVE AIR SHUT-OFF OPTION, B, D (For components, refer to Section 9.23)



M195517AA

Index No.	Skyjack Part No.	Qty.	Description
A	165511	-	BASE CONTROL BOX (61T ANSI/CSA - Deutz D2011 engine)
B	195340	-	BASE CONTROL BOX (61T ANSI/CSA - Deutz D2011with Posi-Air Option)
C	165512	-	BASE CONTROL BOX (66T ANSI/CSA - Deutz D2011 engine)
D	195147	-	BASE CONTROL BOX (66T ANSI/CSA - Deutz D2011 with Posi-Air Option)
E	165515	-	BASE CONTROL BOX (66T CE - Deutz D2011 engine)
F	165652	-	BASE CONTROL BOX (66T AS - Deutz D2011 engine)
G	165513	-	BASE CONTROL BOX (61T ANSI/CSA - GM engine)
H	165514	-	BASE CONTROL BOX (66T ANSI/CSA - GM engine)
-	138710	1	• CONTROL BOX, A, C, E, F, G
	195146	1	• CONTROL BOX, B, D
1	138711	1	• • BODY, Base control console
2	138712	1	• • DOOR, Control console
3	138713	1	• • PANEL, Control console
4	138715	1	• • LATCH, Slotted door
5	138723	1	• • WEATHER STRIP
6	103995	4	• • WASHER, Flat (1/4")
7	115649	4	• • NUT, Hex head lock (1/4"-20 Grade 5, nylon)
8	138724	4	• • STANDOFF, Nylon (0.26" ID x 1/2")
9	138714	1	• • HINGE, Continuous
10	127131	12	• RELAY, 12V (40 AMP) A, C, H
		13	• RELAY, 12V (40 AMP) E, B, D
		14	• RELAY, 12V (40 AMP) F
		17	• RELAY, 12V (40 AMP) G
11	138749	15	• SOCKET, Automotive relay A, C, E, F, H
		16	• SOCKET, Automotive relay B, D
		10	• SOCKET, Automotive relay G
12	112327	6	• SCREW, Hex head self-tapping (#8-18 x 1/2") A, B, C, D, E, F, H
		7	• SCREW, Hex head self-tapping (#8-18 x 1/2") G
13	103991	6	• WASHER, Flat (#8) A, B, D, C, E, F, H
		7	• WASHER, Flat (#8) G
14	(Ref.)	-	• TERMINAL STRIP, Base (For components, refer to Section 4.23)
15	117325	3	• CIRCUIT BREAKER (15 AMP)
16	102853	6	• SWITCH, Toggle A, B, H
		7	• SWITCH, Toggle C, D, E, F
		5	• SWITCH, Toggle G
17	103336	1	• HOUR METER
18	138278	2	• SWITCH, Toggle
19	138277	1	• KEYSWITCH (3-position) A, B, C, D, F, G, H
	144366	1	• KEYSWITCH (3-position) E
	138137	1	• • KEY (#455)
	138136	1	• • NUT, Key switch
20	138767	1	• WASHER, Internal tooth (7/8", zinc)
21	138228	1	• MODULE, Lower indicating
	139203	6	• • BULB, 12V

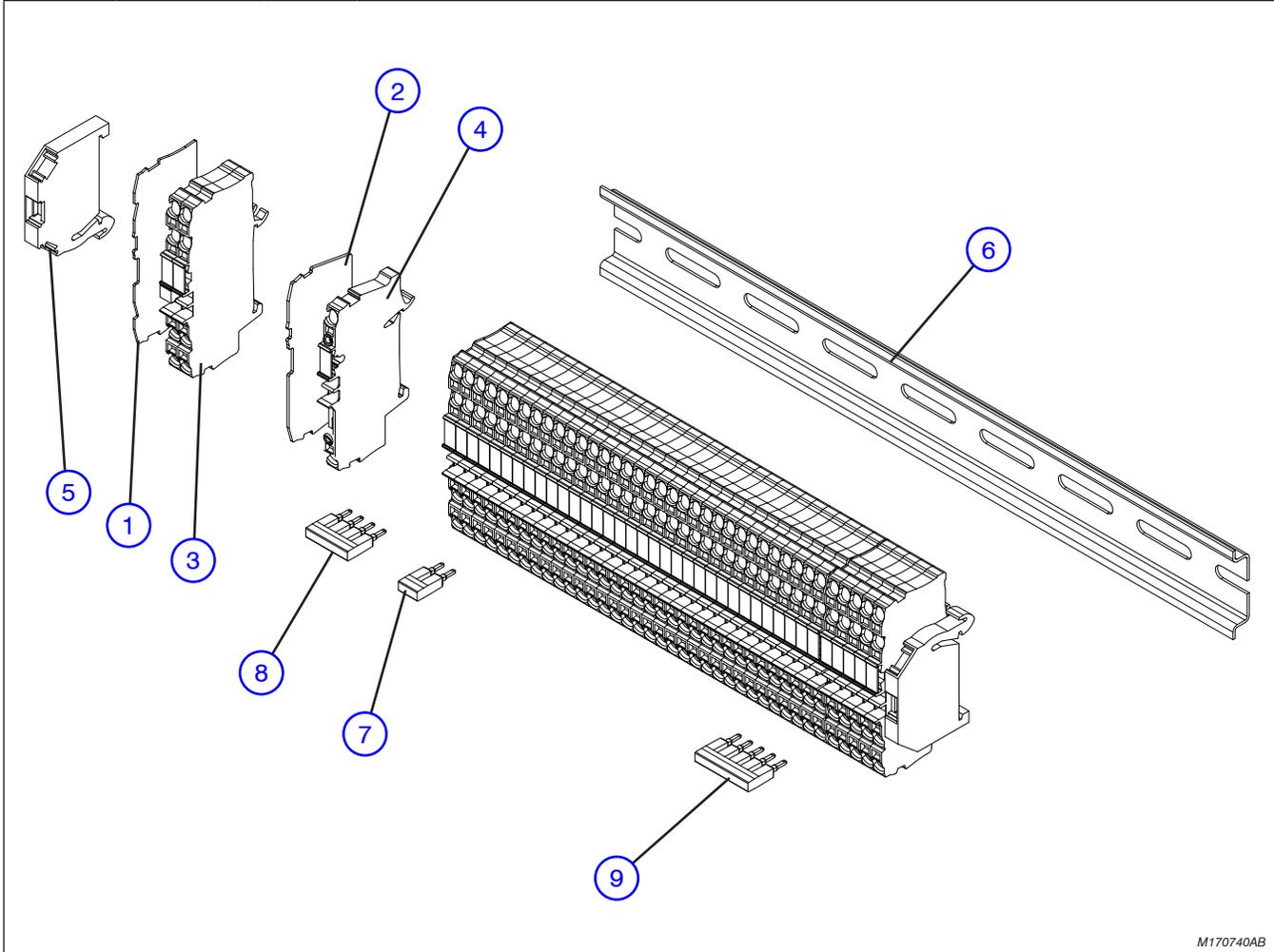
Parts list continued on the following page.



M195517AA

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
22	144652	1	• SWITCH, Emergency stop red
	147056	1	• • LATCH, Mounting
	147053	1	• • BLOCK, NC Contact
	147229	1	• • SWITCH, LED block
	147051	1	• • HEAD, Emergency stop switch
23	138751	3	• HOUSING, Open bottom 24 pin levered
24	103957	14	• SCREW, Round head machine (#8-32 x 1/2")
25	138765	16	• NUT, Hex lock (#8-32 Grade 5, lock)
26	103056	1	• BEEPER (7.5 - 16 VDC) A, B, C, D, F, G, H
27	126499	2	• SCREW, Round head machine (#8-32 x 7/8")
28	103041	3	• CONNECTOR, Strain relief A, B, C, D, E, F, H
		2	• CONNECTOR, Strain relief G
29	139128	2	• PLUG (0.88") A, D, C, E, F, H
		3	• PLUG (0.88") B, G
30	116266	1	• CONNECTOR, Heyco liquid tight
31	163241	4	• SPACER, ECU/OEM, A, B, C, D, E, F
	128571	1	• SLEEVE, Anti-vibration, G, H
32	115649	4	• NUT, Hex lock (1/4"-20 Grade 5, nylon) A, B, C, D, E, F
		1	• NUT, Hex lock (1/4"-20 Grade 5, nylon) G, H
33	146652	1	• HORN (12V)
34	166163	1	• SWITCH, Tilt (analog 28°)
35	103861	4	• BOLT, Hex head (1/4"-20 x 2" Grade 5) A, B, C, D, E, F
	103858	1	• BOLT, Hex head (1/4"-20 x 2.25" Grade 5) G, H
36	138755	1	• PLUG, 24 Pin spring (16A)
37	138756	2	• SOCKET, 24 Pin spring (16A)
38	144264	3	• PLUG, Hole (9/32") G, H
39	164832	1	• INDICATOR, Light (red), B, D
40	103856	4	BOLT, Hex head (0.25"-20 x 0.75" gr 5)
41	103995	4	WASHER, Flat (0.25")
42	115649	4	NUT, Hex head nylon lock (0.25"-20 gr 5)
43	104694	2	WASHER, Flat (#10)
44	300450	2	NUT, Hex head nylon lock (#10-32 gr 5)
45	195404	1	BACKPLATE, PASO controller
46	120094	2	SCREW, Round head machine (#10-32 x 0.625")
47	115545	2	SCREW, Round head machine (#10-32 x 0.375")
48	(Ref.)	1	POSITIVE AIR SHUT-OFF SYSTEM (For components, refer to Section 9.24)

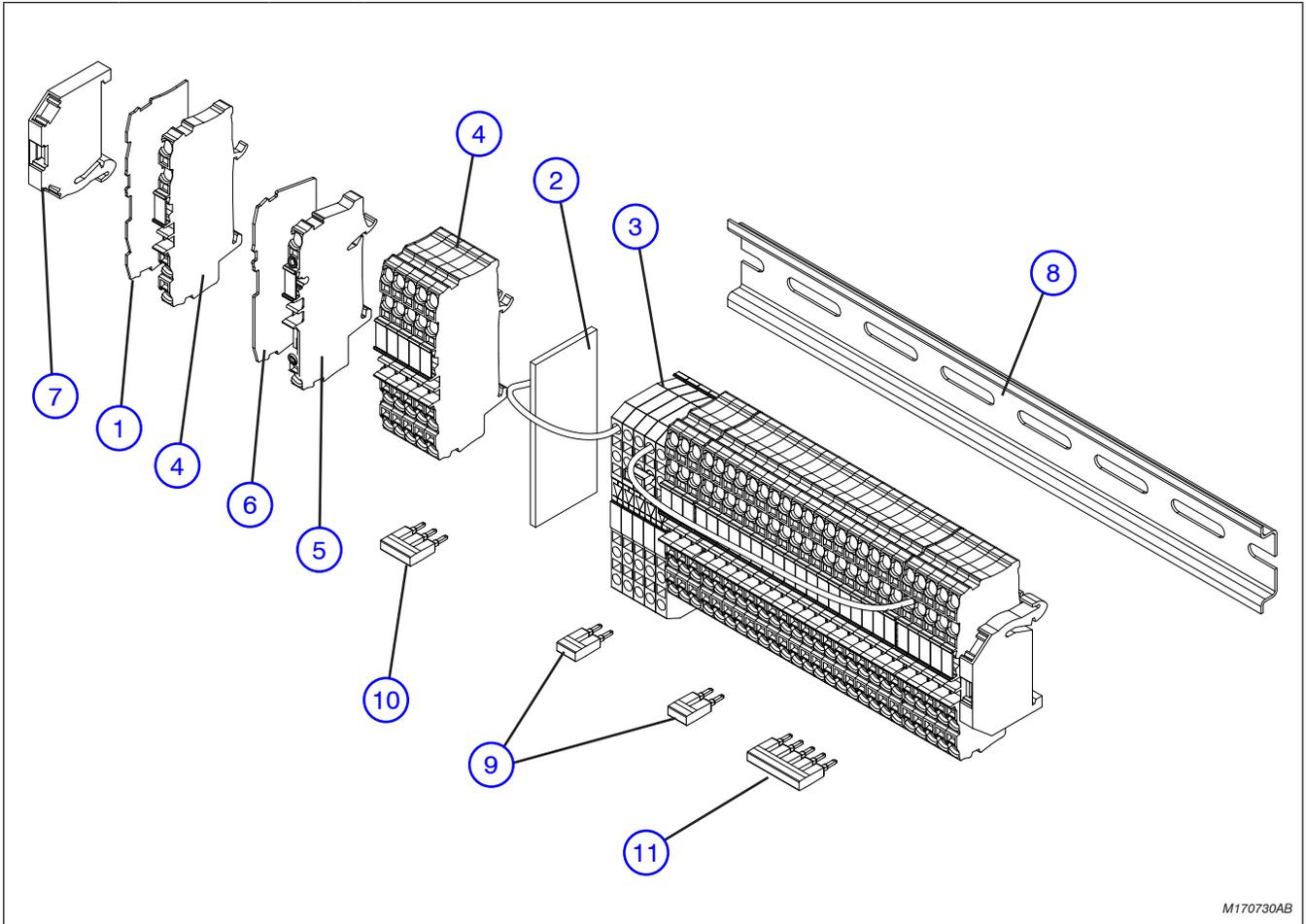
4.22 Base Terminal Strip - Deutz TD2.9L Engine



M170740AB

Index No.	Skyjack Part No.	Qty.	Description
A	164816	1	TERMINAL STRIP, Base (Deutz TD2.9L Engine - ANSI/CSA)
B	170740	1	TERMINAL STRIP, Base (Deutz TD2.9L Engine - CE)
1	137941	3	• PLATE, End
2	170606	1	• PLATE, End
3	137940	37	• TERMINAL BLOCK, Through, A
	137940	39	• TERMINAL BLOCK, Through, B
4	170927	1	• TERMINAL BLOCK, Diode
5	707147	2	• STOP, End
6	102874	11.4"	• RAIL, Din
7	137942	3	• JUMPER, 2 pin (25A), A
		1	• JUMPER, 2 pin (25A), B
8	137943	1	• JUMPER, 3 pin (25A), B
9	170928	1	• JUMPER, 5 pin (25A)

4.23 Base Terminal Strip - Deutz D2011 & GM Engines

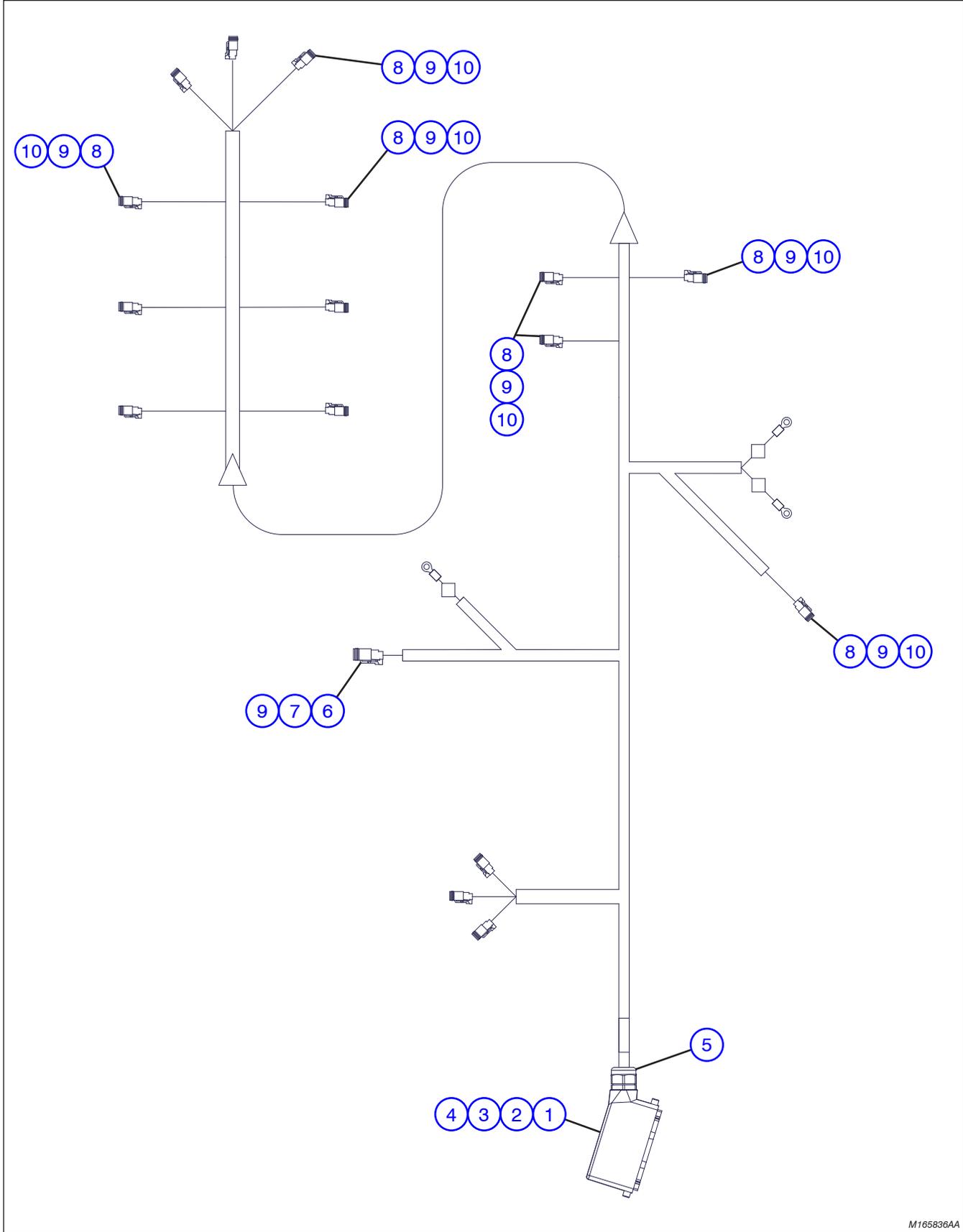


M170730AB

Index No.	Skyjack Part No.	Qty.	Description
A	138612	1	TERMINAL STRIP, Base (Deutz D2011 & GM - ANSI/CSA)
B	144402	1	TERMINAL STRIP, Base (Deutz D2011 - AS)
C	170730	1	TERMINAL STRIP, Base (Deutz D2011 - CE)
1	137941	3	• END PLATE, A, B
		5	• END PLATE, C
2	707146	1	• SEPARATOR
3	707145	7	• TERMINAL BLOCK, Diode A
		9	• TERMINAL BLOCK, Diode B
		5	• TERMINAL BLOCK, Diode C
4	137940	30	• TERMINAL BLOCK, Through, A, B
		32	• TERMINAL BLOCK, Through, C
5	170607	1	• TERMINAL BLOCK, Fuse holder, C
6	170606	1	• PLATE, End
7	707147	2	• END STOP
8	102874	10"	• DIN RAIL
9	137942	4	• JUMPER, 2 pin (25A)
10	137943	1	• JUMPER, 3 pin (25A)
11	170928	1	• JUMPER, 5 pin (25A), C
12	170626	1	FUSE, ATM - 10A (not shown), C

- 5.1 *Main Electrical Harness*
- 5.2 *Battery Cables*
- 5.3 *Control Cable Harnesses*
- 5.4 *Jib & Platform Rotate Valve Harnesses*
- 5.5 *110/220V Outlet Harness*
- 5.6 *ECU Harnesses*
- 5.7 *Glow Plug Harness (Deutz TD2.9L Engine)*
- 5.8 *Glow Plug Harness (Deutz D2011 Engine)*
- 5.9 *Engine Interface Harness (Deutz TD2.9L Engine)*
- 5.10 *Engine Interface Harness (Kubota WG2503 Engine)*
- 5.11 *Engine Interface Harness (GM Engine)*

5.1 Main Electrical Harness

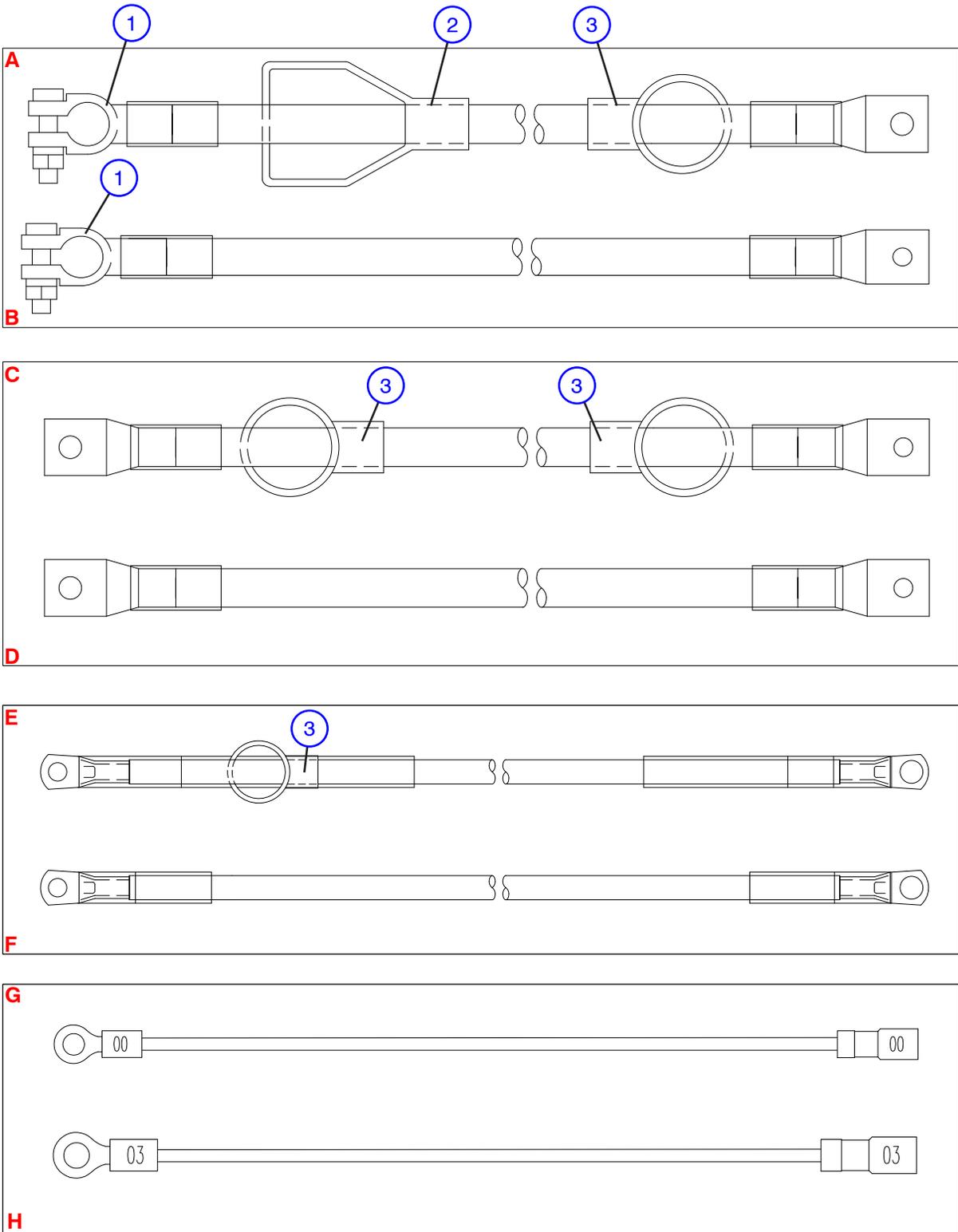


M165836AA

5.1 Main Electrical Harness

Index No.	Skyjack Part No.	Qty.	Description
-	165836	1	ELECTRICAL HARNESS, Main
1	138753	1	• HOOD, Side 24 pole (M32)
2	138755	1	• PLUG, 24 pole spring (16A)
3	121050	18	• FERULE, Red (16GA)
4	138044	4	• FERULE, Blue (14GA)
5	138754	1	• STRAIN, RELIEF (M32 x 1.5)
6	117579	1	• CONNECTOR, Plug (4-pin)
7	117581	1	• CONNECTOR, Wedge (4-pin)
8	117597	16	• PLUG, Deutsch (2 pin)
9	117591	36	• SOCKET, Deutsch solid (16/18 Gauge)
10	117599	16	• WEDGE, Deutsch (2 pin)

5.2 Battery Cables

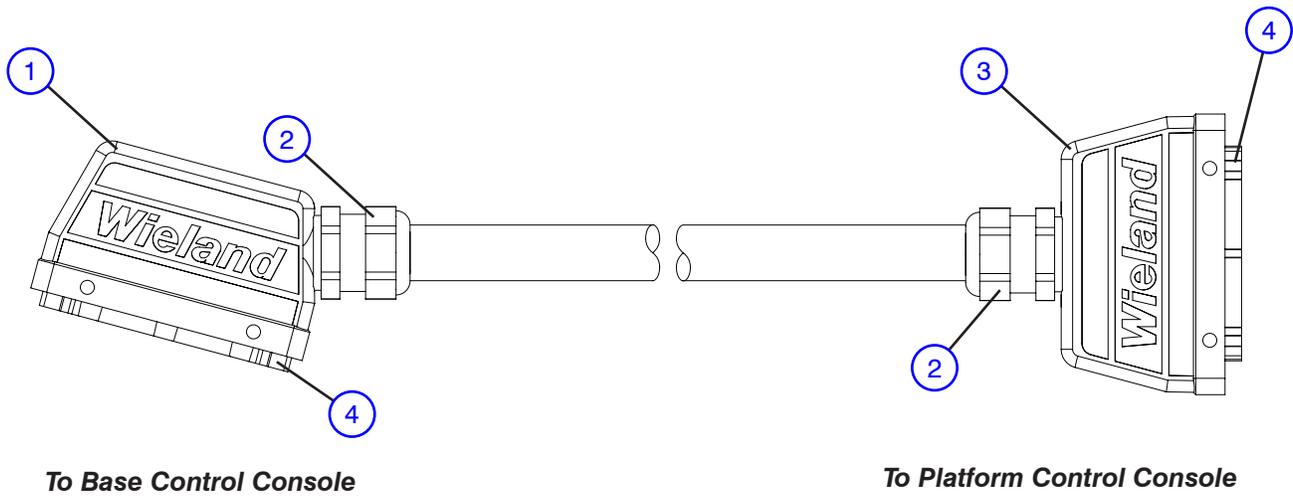


M138700AC

5.2 Battery Cables

Index No.	Skyjack Part No.	Qty.	Description
A	147554	1	CABLE HARNESS (Battery positive to main disconnect switch)
B	147538	1	CABLE HARNESS (Battery negative to chassis ground)
C	154245	1	CABLE HARNESS (Deutz - main disconnect switch to starter)
D	138703	1	CABLE HARNESS (Engine ground to chassis ground)
E	167616	1	CABLE HARNESS (Emergency pump to main disconnect switch)
F	165850	1	CABLE HARNESS (Emergency power unit to main disconnect switch)
G	157639	1	WIRE ASSEMBLY, Charge indicator - 00 (66T CE & AS)
H	152345	1	WIRE ASSEMBLY, Charge indicator - 03 (66T CE & AS)
1	139030	1	<ul style="list-style-type: none"> • POST CLAMP, Battery (#2/0 positive), A • POST CLAMP, Battery (#2/0 negative), B • POST BOOT, Battery (#2/0 red) • TERMINAL BOOT (#2/0 red), A, E • TERMINAL BOOT (#2/0 red), C, F • TERMINAL BOOT (#1 red), E
	139031	1	
2	139032	1	
3	139105	1	
	139106	1	

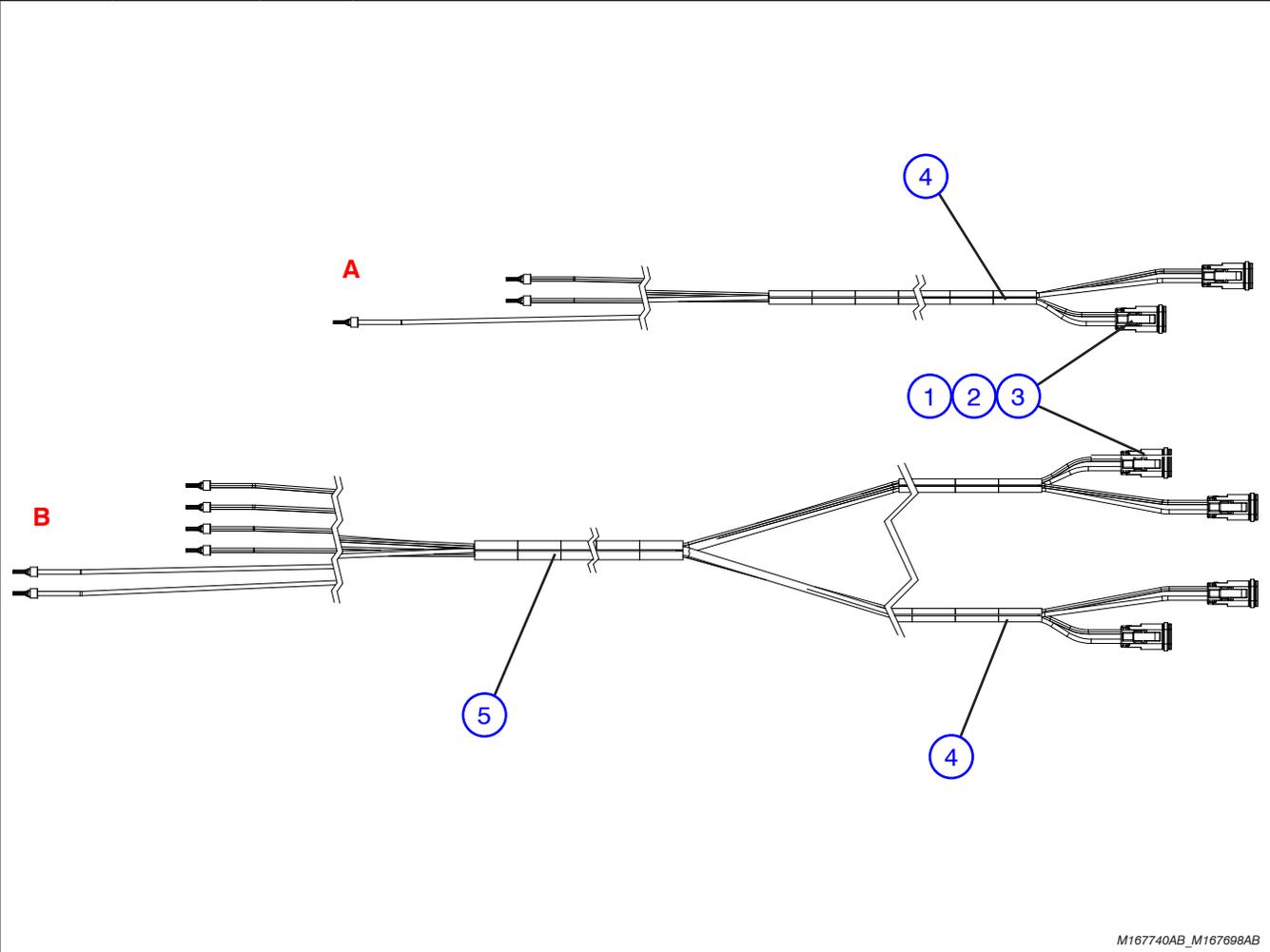
5.3 Control Cable Harnesses



M138758-A

Index No.	Skyjack Part No.	Qty.	Description
A	165528	1	CABLE HARNESS, Control "C" (61T)
	165501	1	CABLE HARNESS, Control "C" (66T)
B	165530	1	CABLE HARNESS, Control "D" (61T)
	165525	1	CABLE HARNESS, Control "D" (66T)
1	138753	1	• HOOD, Side 24 (M32)
2	138754	2	• RELIEF, Strain (M32 x 1.5)
3	138752	1	• HOOD, Top 24 pole (M32)
4	138755	2	• PLUG, 24 Pole spring (16A) A
	138756	2	• SOCKET, 24 Pole spring (16A) B

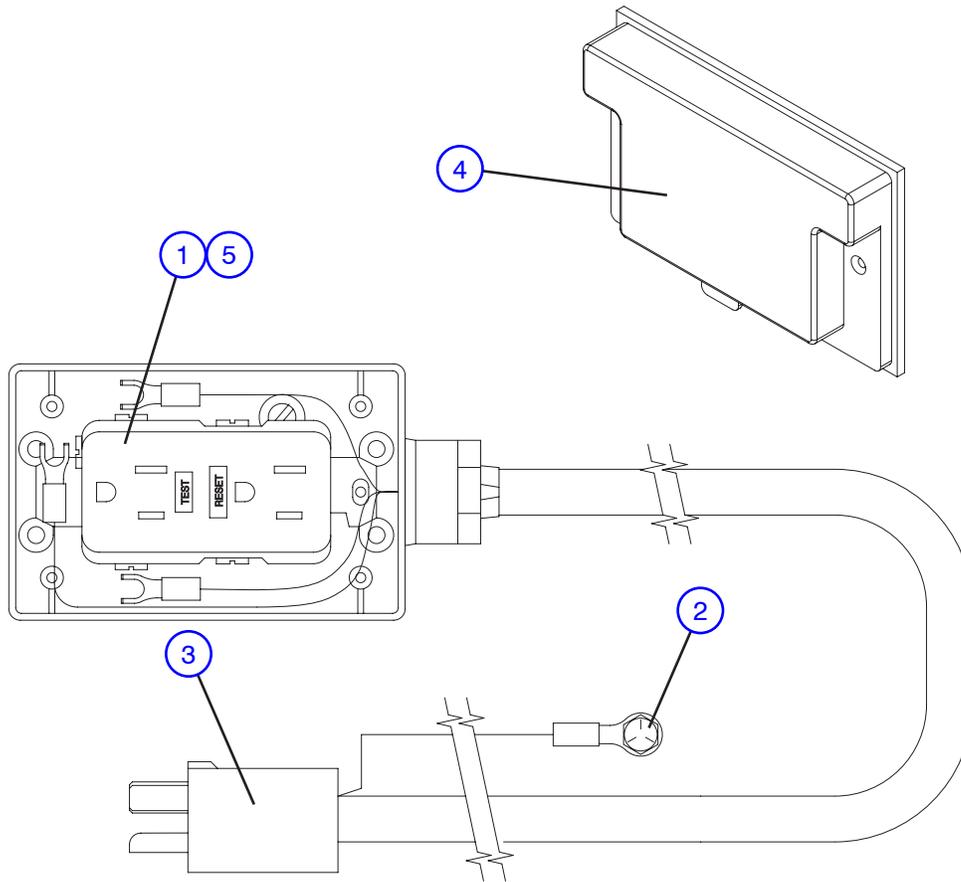
5.4 Jib & Platform Rotate Harnesses



M167740AB_M167698AB

Index No.	Skyjack Part No.	Qty.	Description
A	167740	1	HARNESS, Platform rotate (61T)
B	167698	1	HARNESS, Jib and platform rotate (66T)
1	117597	2	• CONNECTOR, Plug 2-pin A
	117597	4	• CONNECTOR, Plug 2-pin B
2	117599	2	• WEDGE, Connector plug 2-pin A
	117599	4	• WEDGE, Connector plug 2-pin B
3	117591	4	• SOCKET, Contact - connector plug 2-pin A
	117591	8	• SOCKET, Contact - connector plug 2-pin B
4	124399	139"	• PROTECTOR, Wire (1/4") A
	124399	38"	• PROTECTOR, Wire (1/4") B
5	111354	120"	• PROTECTOR, Wire (3/8") B

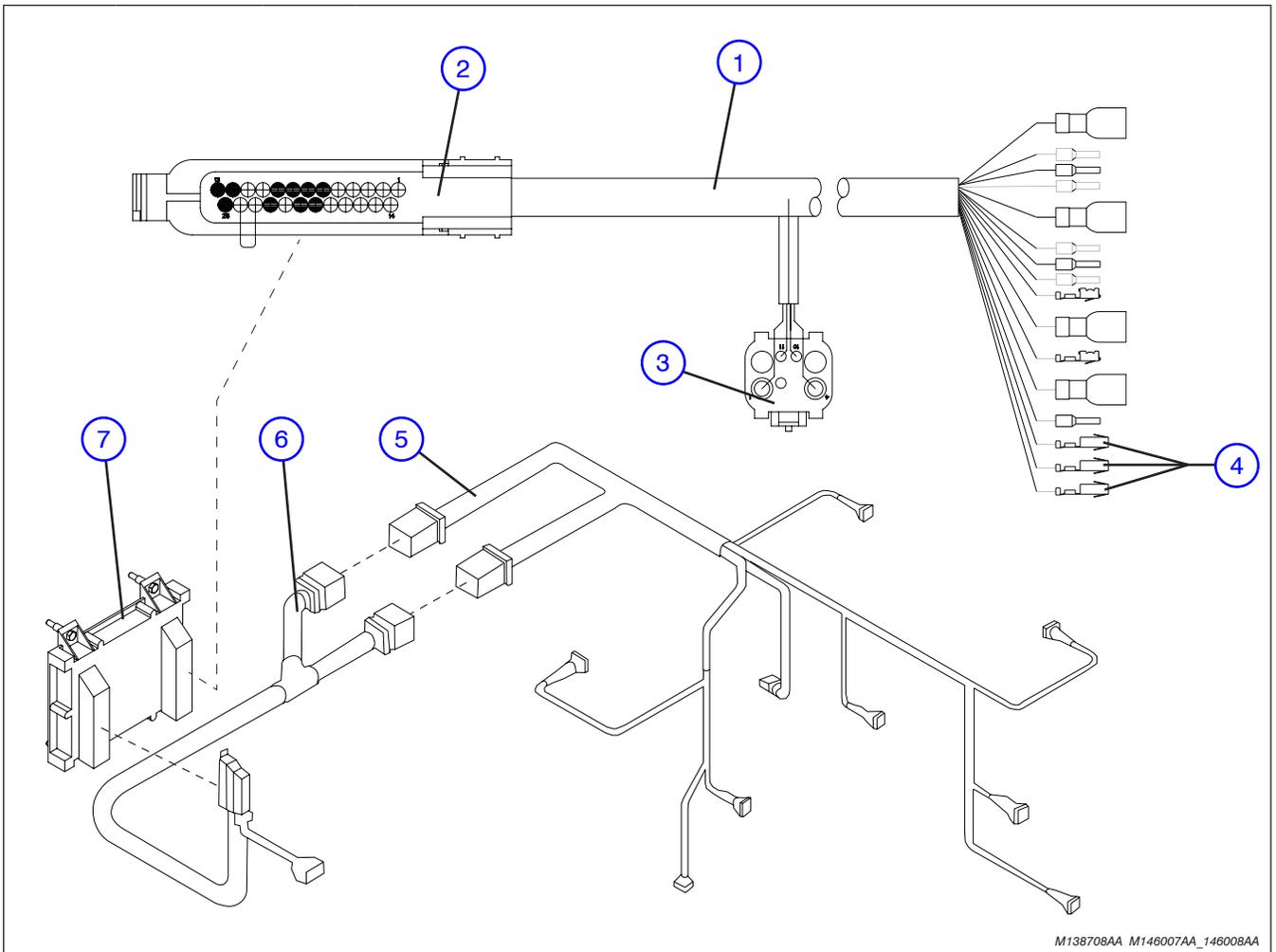
5.5 110/220V Outlet Harness



M146741AA

Index No.	Skyjack Part No.	Qty.	Description
A	146741	1	110V OUTLET CABLE ASSEMBLY (ANSI/CSA SJ61T)
B	147389	1	110V OUTLET CABLE ASSEMBLY (ANSI/CSA SJ66T)
C	147392	1	110/220V CABLE (CE)
1	109698	1	• RECEPTACLE, GFI A, B
2	112495	1	• BOLT, Hex head (1/4"-20 x 3/8" Grade 5) A, B
3	169524	1	• CABLE, 110V, A
	169525	1	• CABLE, 110V, B
	104208	1	• PLUG, 15A male (125V) A, B
4	109699	1	• PLATE, Weatherproof cover A, B
5	121461	2	• BOLT, Machine round head (#6-32 UNC x 3/8") A, B
6	(Ref.)	1	OUTLET BOX & STRAIN RELIEF (For components, refer to Section 1.6)

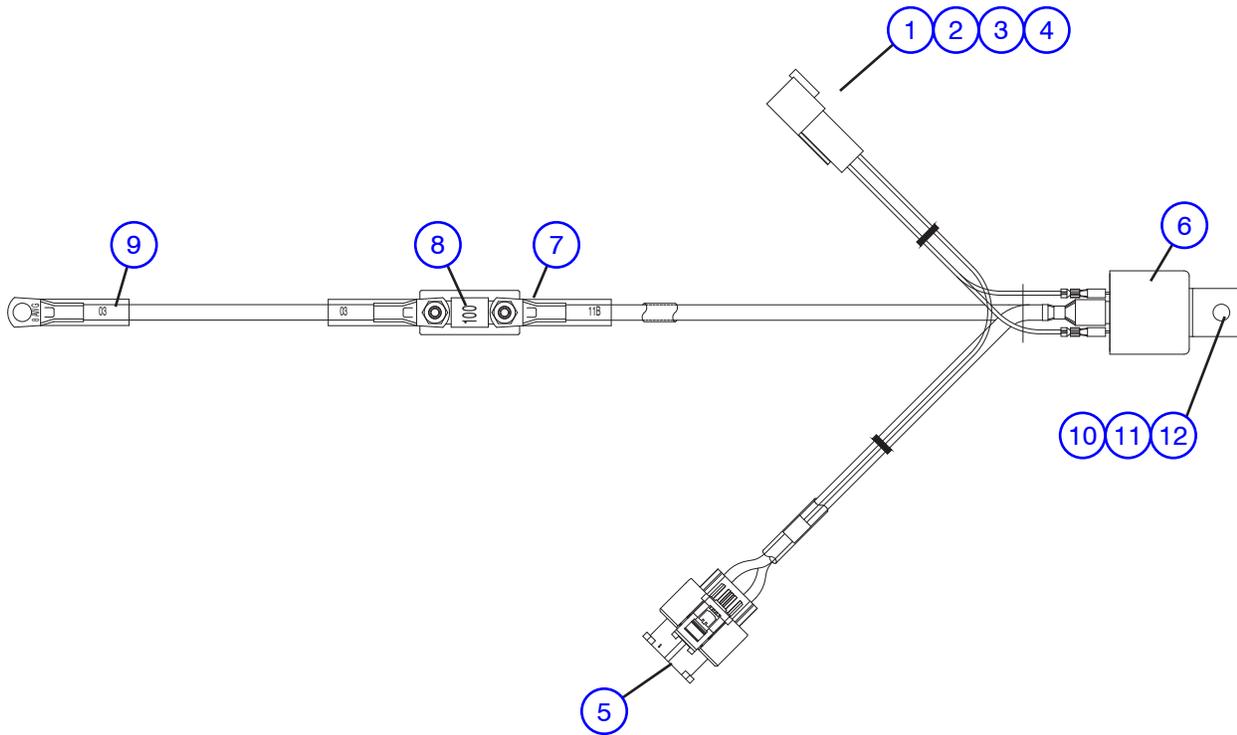
5.6 ECU Harnesses - Deutz D2011



M138708AA M146007AA_146008AA

Index No.	Skyjack Part No.	Qty.	Description
1	138708	-	HARNESS, ECU (Deutz D2011)
2	138574	1	• CONNECTOR KIT, Deutz controller
3	150975	1	• CONNECTOR KIT, Deutz engine
4	138576	1	• CONNECTOR KIT, Deutz programming
5	146007	1	HARNESS, Cable
6	146008	1	HARNESS, Interconnect Cable
7	(Ref.)	1	ENGINE CONTROL UNIT, Deutz (For components, refer to Section 4.21)

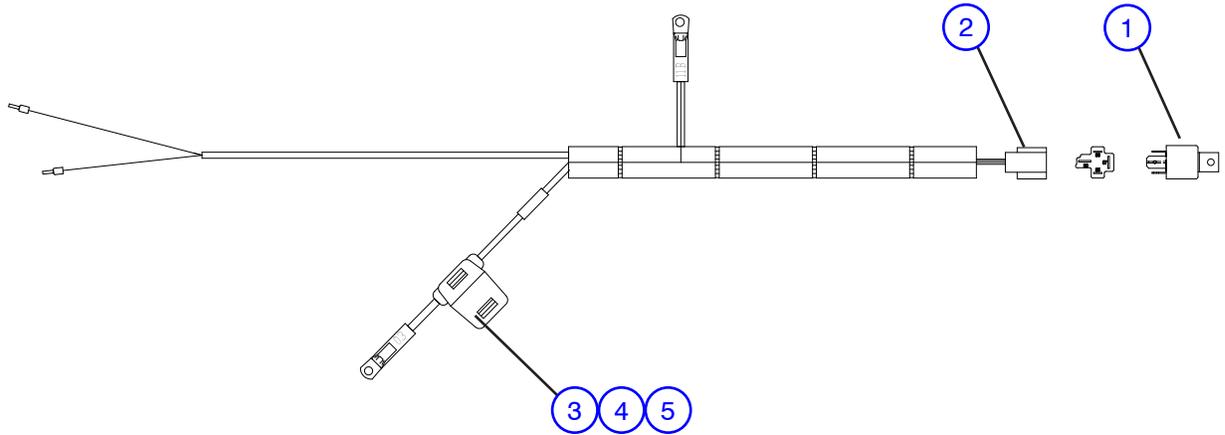
5.7 Glow Plug Harness (Deutz TD2.9L Engine)



M165022AA

Index No.	Skyjack Part No.	Qty.	Description
-	165022	1	GLOW PLUG HARNESS ASSEMBLY (Deutz TD2.9L engine)
-	165028	1	• HARNESS ASSEMBLY, Glow Plug
-	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)
8	165049	1	• • WIRE ASSEMBLY, Power (Glow plug)
10	104698	1	• SCREW, Round head machine (#10-32 x 0.75")
11	104694	2	• WASHER, Flat (#10)
12	300450	1	• NUT, Hex head (#10-32, grade 5)
13	117696	1	• BOOT, Terminal, #4 AWG (not shown)

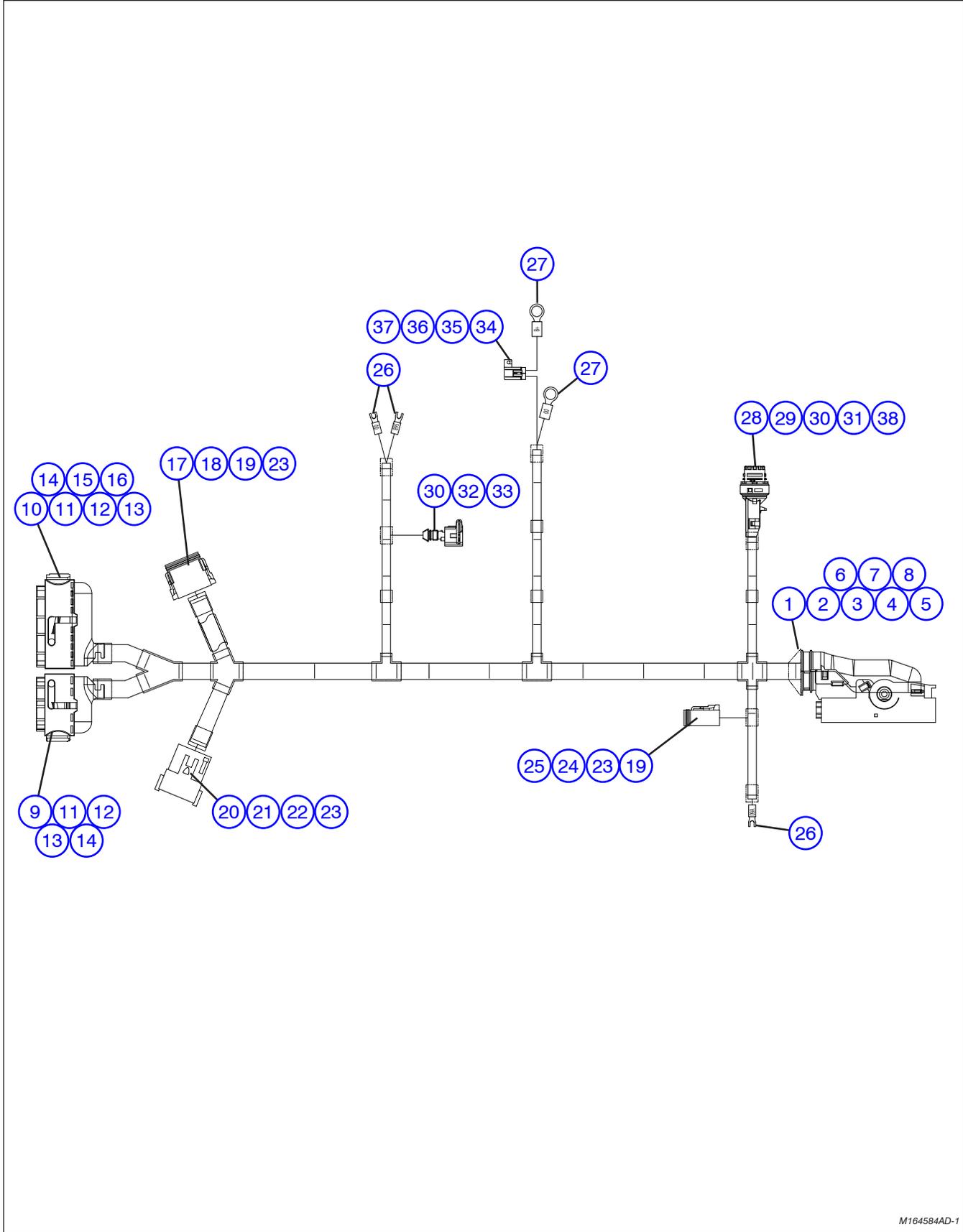
5.8 Glow Plug Harness (Deutz D2011 Engine)



M148472AD

Index No.	Skyjack Part No.	Qty.	Description
-	148472	1	HARNESS, Glow Plug (Deutz D2011 engine)
1	138844	1	• RELAY, SPST (80A 12V)
2	138845	1	• SOCKET, Relay (80A)
3	138847	1	• FUSE HOLDER, In-line
4	139195	1	• COVER, Fuse holder
5	138848	1	• FUSE (50A)

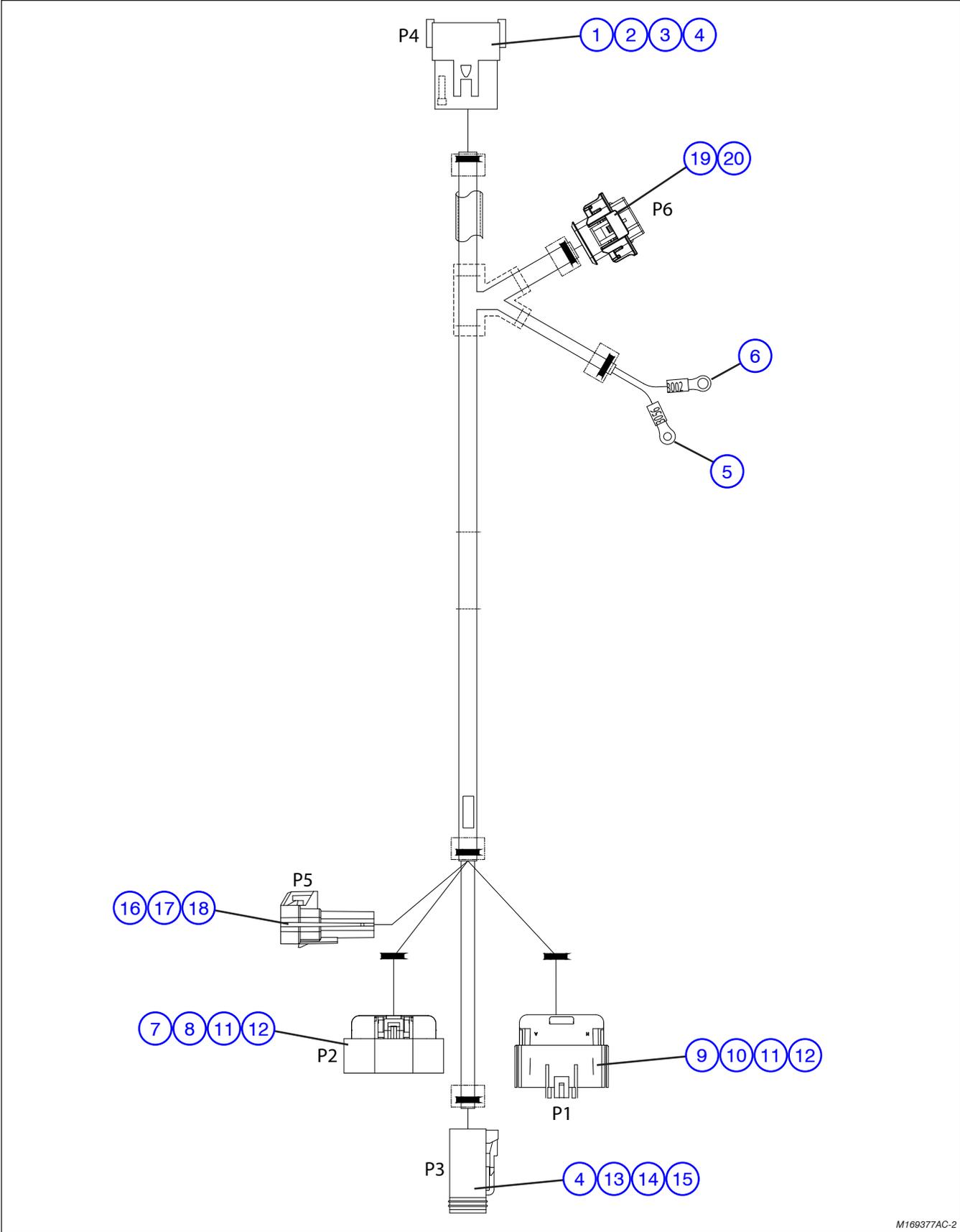
5.9 Engine Interface Harness - Deutz TD2.9L Engine



M164584AD-1

5.9 Engine Interface Harness - Deutz TD2.9L Engine

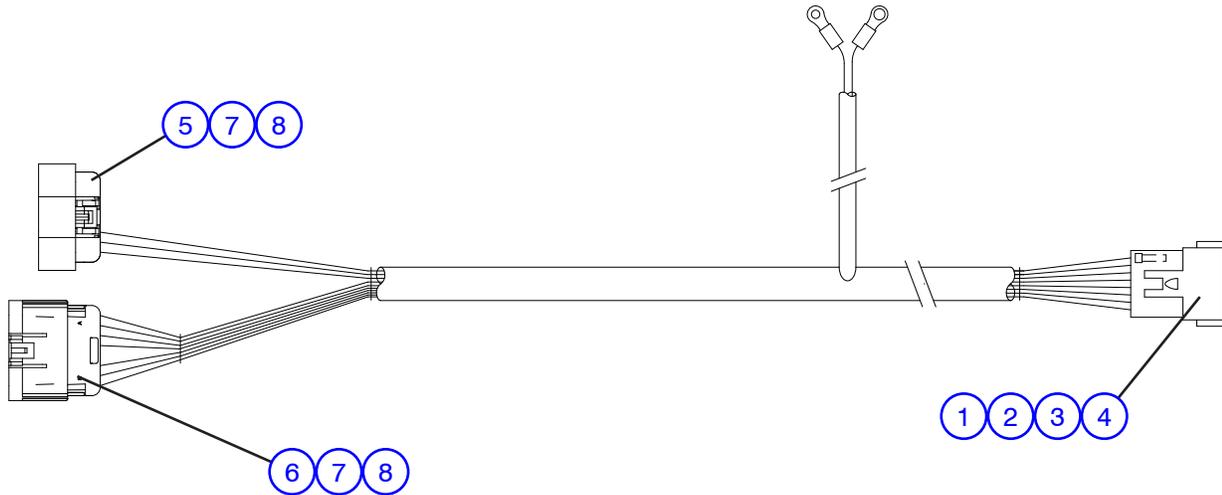
Index No.	Skyjack Part No.	Qty.	Description
-	164584	1	HARNESS, Engine interface (Deutz D2.9L)
1	164544	1	<ul style="list-style-type: none"> • ASSEMBLY, Connector (62F, AMP MCP)
2	164545	1	<ul style="list-style-type: none"> • COVER, 62-Pin Connector
3	164546	32	<ul style="list-style-type: none"> • TERMINAL, Female (1.0 - 0.5mm², MCP)
4	164547	32	<ul style="list-style-type: none"> • SEAL, Wire (Grey, 1.4 - 1.9mm, MCP)
5	164548	24	<ul style="list-style-type: none"> • PLUG, Cavity (3.6mm, MCP)
6	164549	2	<ul style="list-style-type: none"> • TERMINAL, Female (2.5 - 1.0mm², MCP)
7	164550	2	<ul style="list-style-type: none"> • SEAL, Wire (White, 2.2 - 3.0mm, MCP)
8	164551	4	<ul style="list-style-type: none"> • PLUG, Cavity (5.4mm, MCP)
9	164556	1	<ul style="list-style-type: none"> • ASSEMBLY, Connector (60F, AMP MQS)
10	164567	1	<ul style="list-style-type: none"> • ASSEMBLY, Connector (94F, AMP MQS+MCP)
11	164561	45	<ul style="list-style-type: none"> • TERMINAL, Female (0.75 - 0.5mm², MQS)
12	164562	15	<ul style="list-style-type: none"> • TERMINAL, Female (1.5 - 0.75mm², MQS)
13	164563	76	<ul style="list-style-type: none"> • PLUG, Cavity (MQS)
14	164564	12	<ul style="list-style-type: none"> • PLUG, Cavity (MQS)
15	164572	6	<ul style="list-style-type: none"> • TERMINAL, Female (2.5 - 1.0mm², MCP2.8)
16	164573	6	<ul style="list-style-type: none"> • SEAL, Wire (Yellow, 2.7 - 3.0mm, JPT/MCP)
17	117587	1	<ul style="list-style-type: none"> • CONNECTOR, Plug (12-pin)
18	117589	1	<ul style="list-style-type: none"> • CONNECTOR, Plug (12-pin wedge)
19	117591	13	<ul style="list-style-type: none"> • CONNECTOR, Contact socket (16-18)
20	117586	1	<ul style="list-style-type: none"> • CONNECTOR, Receptacle (12-pin)
21	117588	1	<ul style="list-style-type: none"> • CONNECTOR, Receptacle (12-pin wedge)
22	117590	10	<ul style="list-style-type: none"> • CONNECTOR, Contact pin (16-18)
23	117594	5	<ul style="list-style-type: none"> • CONNECTOR, Sealing plug
24	117579	1	<ul style="list-style-type: none"> • CONNECTOR, Plug (4-pin)
25	117581	1	<ul style="list-style-type: none"> • CONNECTOR, Plug (4-pin wedge)
26	109892	3	<ul style="list-style-type: none"> • TERMINAL, Lock fork (#10), 14-16GA blue)
27	156219	2	<ul style="list-style-type: none"> • TERMINAL, M8 ring (5.0mm²)
28	164579	1	<ul style="list-style-type: none"> • CONNECTOR, Circular (4F, 2.5mm)
29	164581	3	<ul style="list-style-type: none"> • TERMINAL, Female (1.0 - 0.5mm², 2.5mm circ.)
30	164578	5	<ul style="list-style-type: none"> • SEAL, Wire (Light Blue, 1.2 - 2.1mm)
31	156172	1	<ul style="list-style-type: none"> • PLUG, Cavity (JPT)
32	156163	1	<ul style="list-style-type: none"> • ASSEMBLY, Connector (2F, AMP)
33	156174	2	<ul style="list-style-type: none"> • TERMINAL, Female (1.0 - 0.5mm², JPT)
34	156127	1	<ul style="list-style-type: none"> • CONNECTOR, Fuse holder (2F, 630 M/P)
35	156118	2	<ul style="list-style-type: none"> • TERMINAL, Female (5.0 - 3.0mm², 630 M/P, pull-to-seat)
36	156164	1	<ul style="list-style-type: none"> • FUSE, ATO (30A)
37	156117	1	<ul style="list-style-type: none"> • COVER, Inline Autofuse
38	164580	1	<ul style="list-style-type: none"> • STRAIN RELIEF, Straight



M169377AC-2

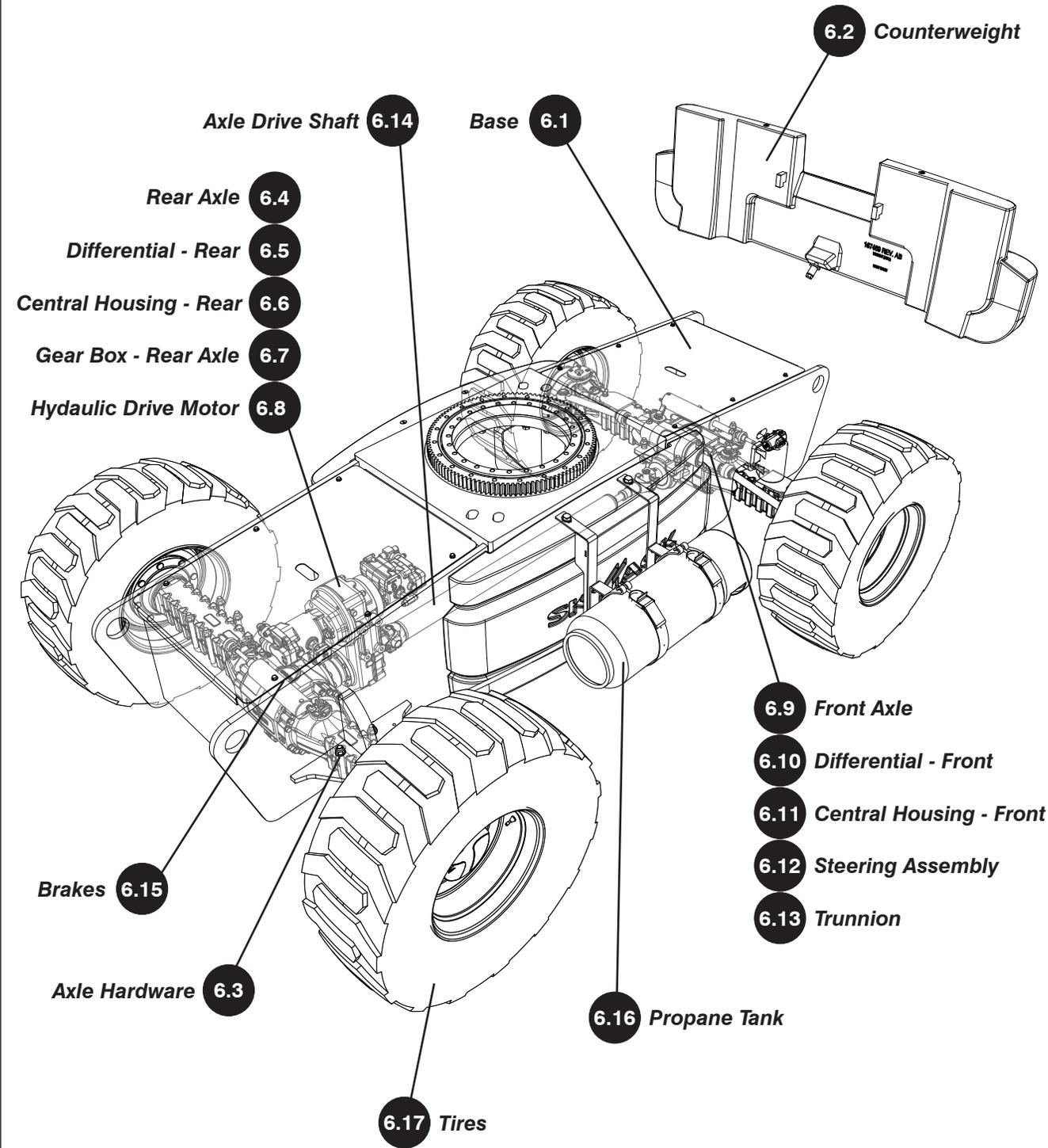
Index No.	Skyjack Part No.	Qty.	Description
-	169337	1	HARNESS, Engine interface (Kubota WG2503)
1	117586	1	• RECEPTACLE, Connector (12 pin)
2	117588	1	• RECEPTACLE, Connector (12 pin wedge)
3	117590	7	• PIN, Connector contact (16-18)
4	117594	7	• PLUG, Connector sealing
5	144337	1	• TERMINAL, Red ring #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

5.11 Engine Interface Harness - GM Engine

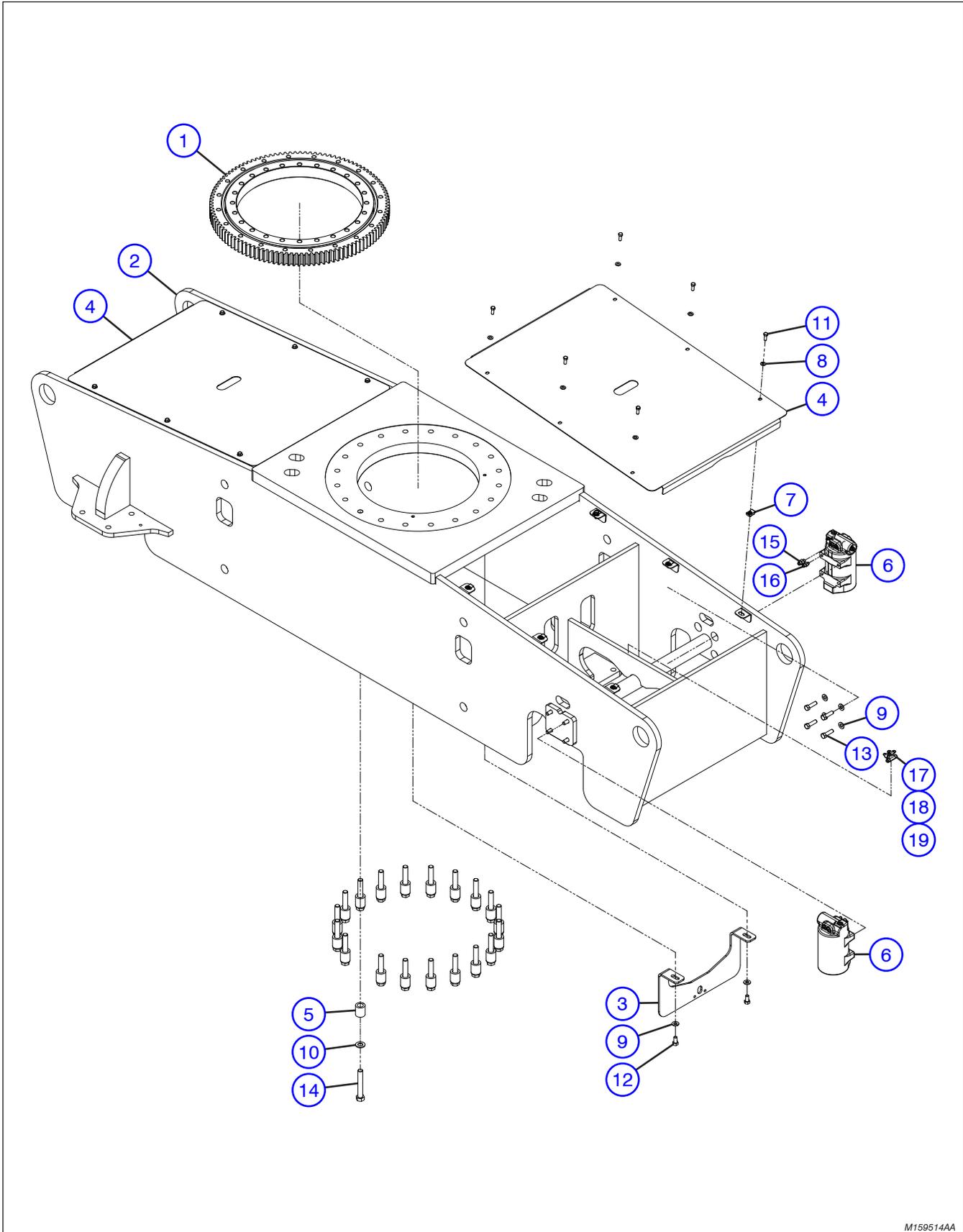


M144265AB

Index No.	Skyjack Part No.	Qty.	Description
-	144265	1	HARNESS, Engine interface (GM engine)
1	117586	1	• CONNECTOR, Receptacle (12 pin)
2	117588	1	• CONNECTOR, Receptable (12 pin wedge)
3	117590	10	• CONNECTOR, Contact (16-18)
4	117594	2	• CONNECTOR, Seal plug
5	142361	1	• HOUSING, Female (150 GT sealed 16 way)
6	142363	1	• HOUSING, Male (150 GT sealed 16 way)
7	142365	11	• SEAL, Wire (150 GT series)
8	142366	20	• PLUG, Cavity (150 GT series)



6.1 Base Assembly

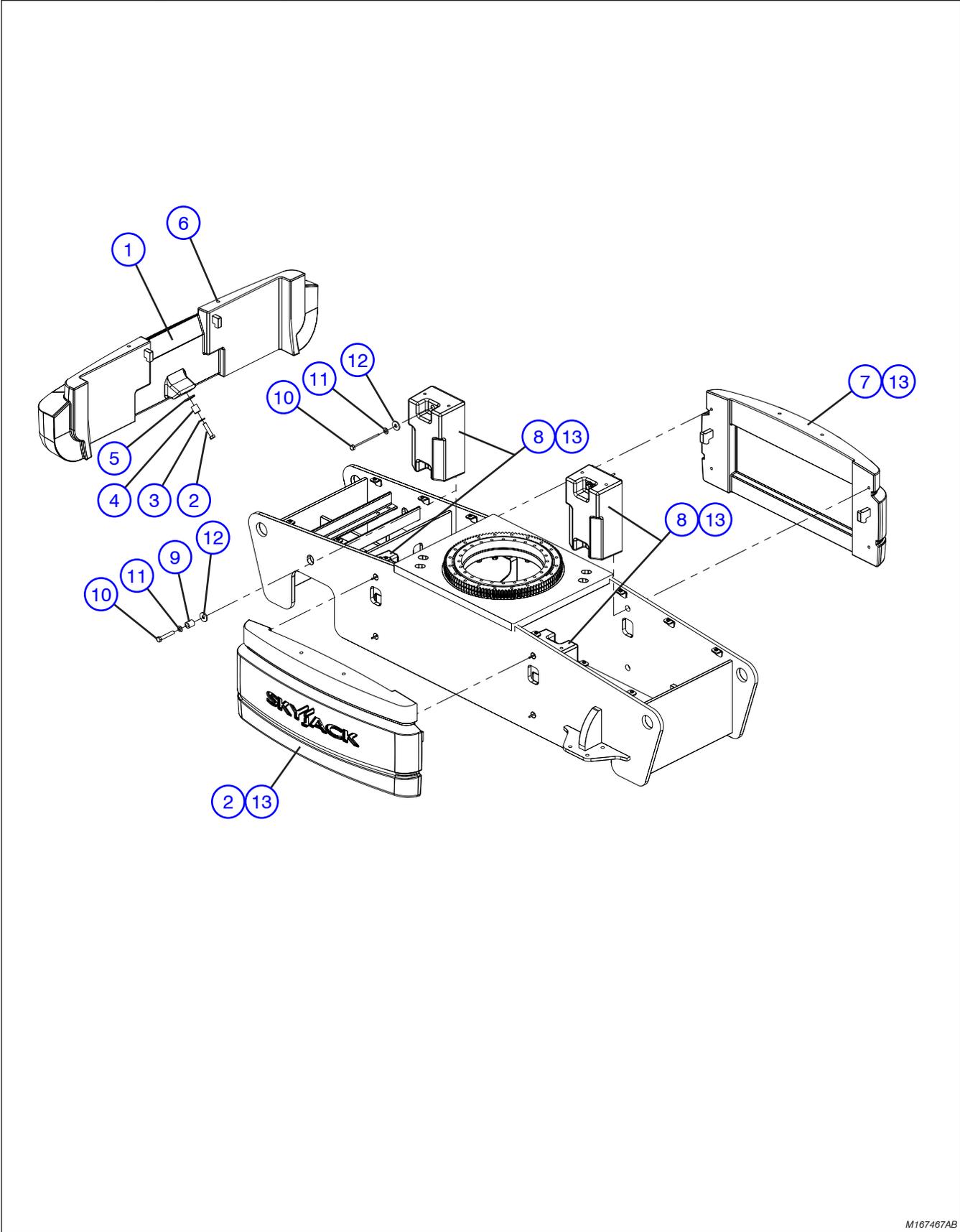


M159514AA

6.1 Base Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	159514	-	BASE ASSEMBLY
1	148446	1	• GEAR, Ring
2	169219	1	• WELDMENT, Base
3	146260	1	• RETAINER, Rotary manifold
4	146272	2	• COVER, Base
5	159418	20	• SPACER
6	(Ref.)	2	• CYLINDER, Axle lockout (For components, refer to Section 3.8)
7	159294	16	• NUT, Speed clip (3/8"-16)
8	103472	16	• WASHER, Flat (3/8")
9	104379	10	• WASHER, Flat hardened (1/2")
10	702194	20	• WASHER, Flat hardened (3/4")
11	103473	16	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
12	103911	2	• BOLT, Hex head (1/2"-13 x 1" Grade 5)
13	126361	8	• BOLT, Hex head (1/2"-13 x 1 3/4" Grade 8)
14	146773	20	• BOLT, Hex head (3/4"-10 x 5" Grade 8)
15	103069	2	• FITTING, Straight (06 JICM - 06 ORBM)
16	126128	2	• FITTING, Straight (04 JICM - 04 ORBM)
17	131697	1	• FITTING, Tee (04 JICM)
18	131704	1	• FITTING, Tee (06 JICM)
19	707041	1	• FITTING, Straight (06 JICF - 04 JICM)

6.2 Counterweight Assembly

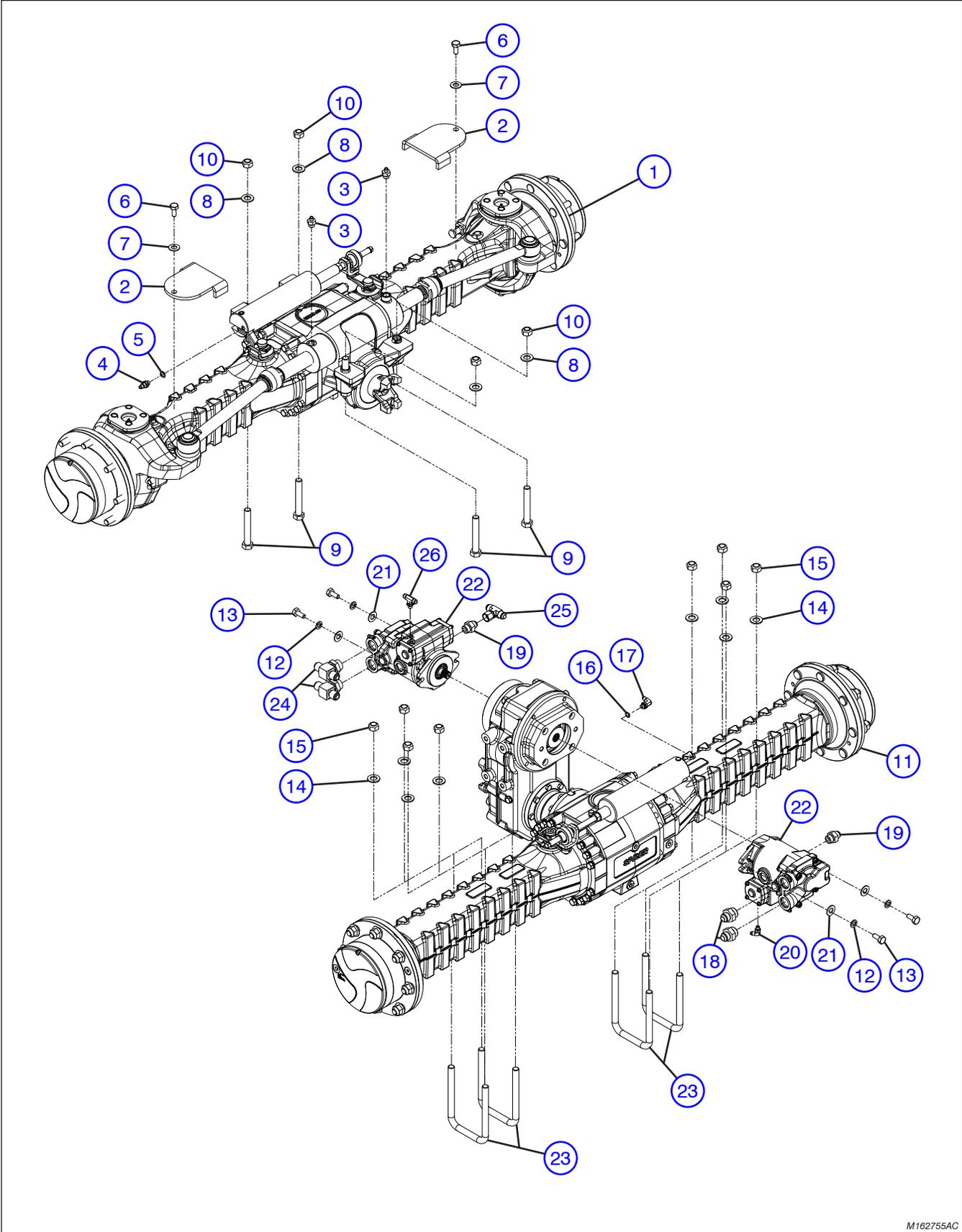


M167467AB

6.2 Counterweight Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	167564	-	COUNTERWEIGHT ASSEMBLY (61T)
B	167467	-	COUNTERWEIGHT ASSEMBLY (66T)
-	167565	1	• FRONT COUNTERWEIGHT ASSEMBLY, A
-	167468	1	• FRONT COUNTERWEIGHT ASSEMBLY, B
1	168392	1	• • COUNTERWEIGHT, Front, A
1	167469	1	• • COUNTERWEIGHT, Front, B
2	146887	1	• • BOLT, Hex head (3/4"-10 x 4" Grade 8, zinc)
3	702194	1	• • WASHER, Flat (3/4", hardened)
4	159418	1	• • SPACER
5	146983	1	• • WASHER, Counterweight
6	144105	2	• • PLUG, Hole (3/4" threaded)
-	147409	1	• FRONT COUNTERWEIGHT ASSEMBLY, A
-	147408	1	• FRONT COUNTERWEIGHT ASSEMBLY, B
7	147423	2	• • COUNTERWEIGHT, Outside
8	146982	4	• • COUNTERWEIGHT, Inside, B
9	159418	8	• • SPACER
10	138276	8	• • BOLT, Hex head (3/4"-10 x 4 1/2" Grade 8), A
10	138275	8	• • BOLT, Hex head (3/4"-10 x 8.5" Grade 8), B
11	702194	8	• • WASHER, Flat (3/4", hardened)
12	146983	8	• • WASHER, Counterweight
13	144105	4	• • PLUG, Hole (3/4" threaded), A
13	144105	12	• • PLUG, Hole (3/4" threaded), B

6.3 Axle Hardware

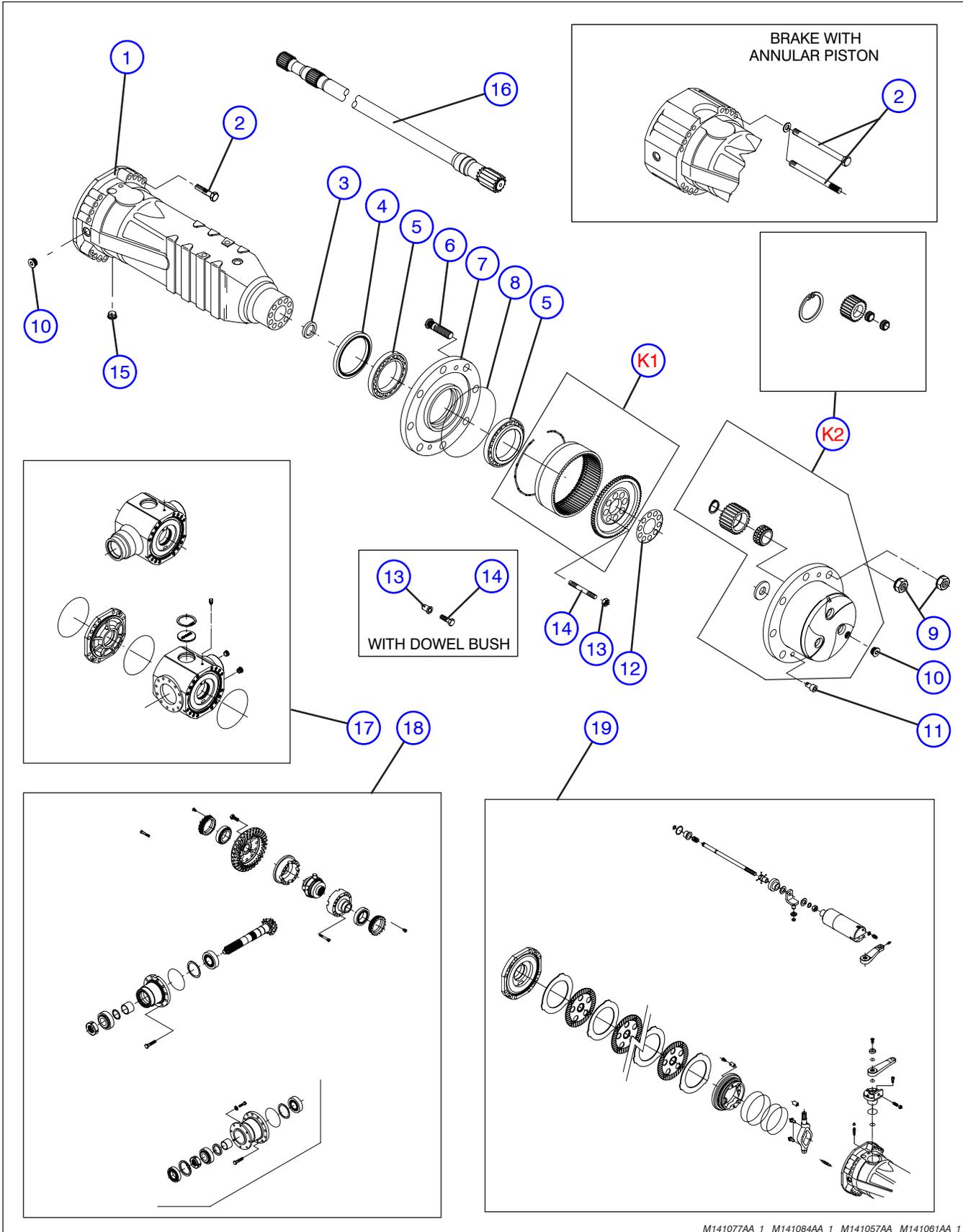


M162755AC

6.3 Axle Hardware

Index No.	Skyjack Part No.	Qty.	Description
-	153404	1	FRONT AXLE ASSEMBLY
1	(Ref.)	1	<ul style="list-style-type: none"> • AXLE, Front <p>(For components, refer to Section 6.9)</p>
2	153602	2	<ul style="list-style-type: none"> • PLATE, Wear pad
3	131705	2	<ul style="list-style-type: none"> • FITTING, Straight (04JICM-08ORBM)
4	149195	1	<ul style="list-style-type: none"> • FITTING, Straight (04JICM-04BSPPM)
5	139126	1	<ul style="list-style-type: none"> • SEAL, British bonded
6	138734	2	<ul style="list-style-type: none"> • BOLT, Hex head (ZP, M14-2.0 x 30mm Grade 8.8)
7	700782	2	<ul style="list-style-type: none"> • WASHER, Flat hardened (5/8")
8	103990	4	<ul style="list-style-type: none"> • WASHER, Flat (3/4")
9	146773	4	<ul style="list-style-type: none"> • BOLT, Hex head (3/4"-10 x 5" Grade 8)
10	700575	4	<ul style="list-style-type: none"> • NUT, Torque lock (3/4"-10, Grade C)
-	162755	1	REAR AXLE ASSEMBLY
11	(Ref.)	1	<ul style="list-style-type: none"> • AXLE, Rear <p>(For components, refer to Section 6.4)</p>
12	138738	4	<ul style="list-style-type: none"> • WASHER, Lock (M14 Plated, DIM 127B)
13	138734	4	<ul style="list-style-type: none"> • BOLT, Hex head (ZP, M14-2.0 x 30mm Grade 8.8)
14	702194	8	<ul style="list-style-type: none"> • WASHER, Flat (0.750 Hardened)
15	700575	8	<ul style="list-style-type: none"> • NUT, Torque lock (3/4"-10, Grade C)
16	139126	1	<ul style="list-style-type: none"> • SEAL, British bonded
17	144128	1	<ul style="list-style-type: none"> • FITTING, 90 (04 JICM - 04 BSPPM)
18	702122	2	<ul style="list-style-type: none"> • FITTING, Straight (12 JICM - 16 ORBM)
19	137490	2	<ul style="list-style-type: none"> • FITTING, Straight (10 JICM - 12 ORBM)
20	113348	1	<ul style="list-style-type: none"> • FITTING, 90 (06 JICM - 04 ORBM)
21	700782	4	<ul style="list-style-type: none"> • WASHER, Flat hardened (5/8")
22	163596	2	<ul style="list-style-type: none"> • MOTOR, Axle Drive 2 Speed
	170933	1	<ul style="list-style-type: none"> • SEAL KIT, Axle drive motor
23	148866	4	<ul style="list-style-type: none"> • U-BOLT, Axle mount
24	164566	2	<ul style="list-style-type: none"> • FITTING, Tee (12 JICM - 12 JICM - 16 ORBM)
25	164565	1	<ul style="list-style-type: none"> • FITTING, Tee (10 JICM - 10 JICM - 10 JICF)
26	165618	1	<ul style="list-style-type: none"> • FITTING, Tee (06 JICM - 06 JICM - 04 ORBM)

6.4 Rear Axle Assembly

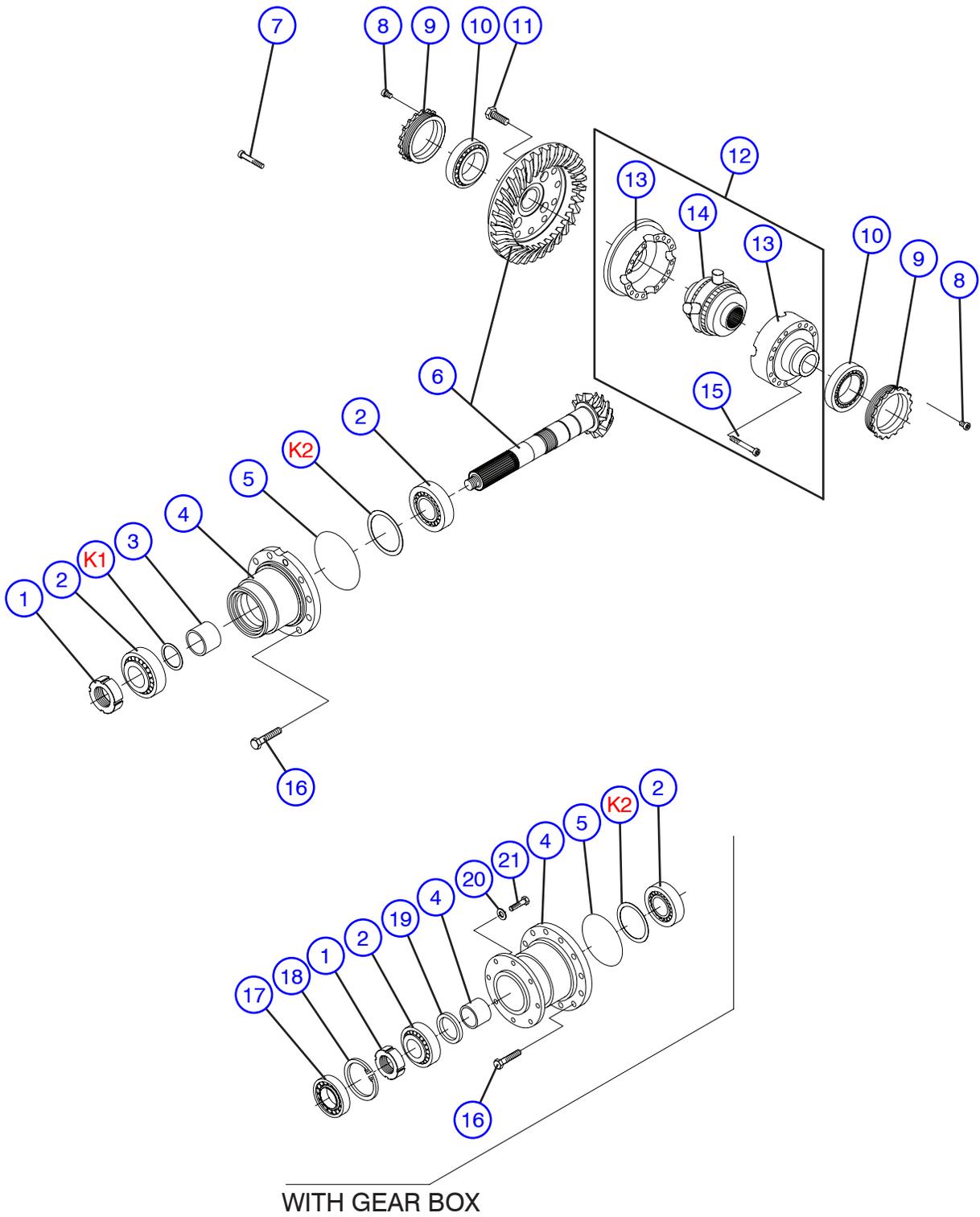


M141077AA_1 M141084AA_1 M141057AA M141061AA_1

6.4 Rear Axle Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	138218	-	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	141031	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.)	-	• CENTRAL HOUSING ASSEMBLY (For components, refer to Section 6.6)
18	(Ref.)	-	• DIFFERENTIAL ASSEMBLY (For components, refer to Section 6.5)
19	(Ref.)	-	• BRAKES - REAR AXLE (For components, refer to Section 6.15)
K1	141042	2	KIT, Ring gear support
K2	141034	2	KIT, Planet gear carrier

6.5 Differential Assembly - Rear Axle

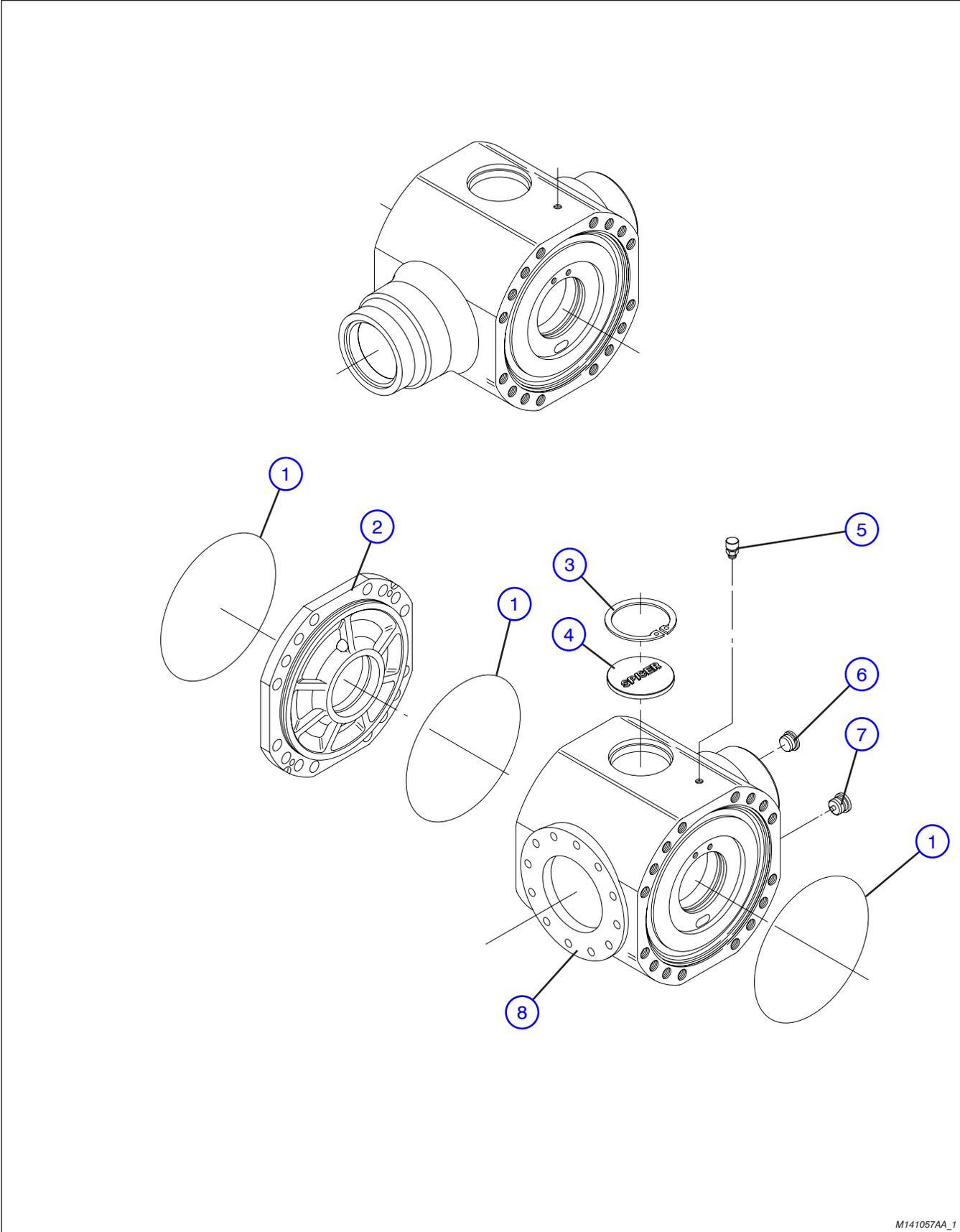


M141061AA_1

6.5 Differential Assembly - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
1	140980	1	RING NUT
2	140984	2	BEARING, Taper roller
3	141062	1	SPACER
4	141063	1	COVER
5	141064	1	O-RING
6	141065	1	GEAR SET, Bevel
7	140977	4	BOLT
8	141069	2	BOLT
9	141068	2	NUT, Ring
10	140987	2	BEARING, Taper roller
11	140993	12	BOLT
12	141066	1	DIFFERENTIAL, NoSPIN
13	141071	1	• CARRIER, Differential
14	141070	1	• DIFFERENTIAL, NoSPIN
15	141067	16	• BOLT
16	141072	12	BOLT, Hexagon
17	141073	1	BEARING, Ball
18	140966	1	CIRCLIP
19	141074	1	SEAL
20	141075	8	WASHER, Spring
21	141076	8	BOLT, Hexagon
K1	140982	1	KIT, Shim
K2	140983	1	KIT, Shim

6.6 Central Housing Assembly - Rear Axle

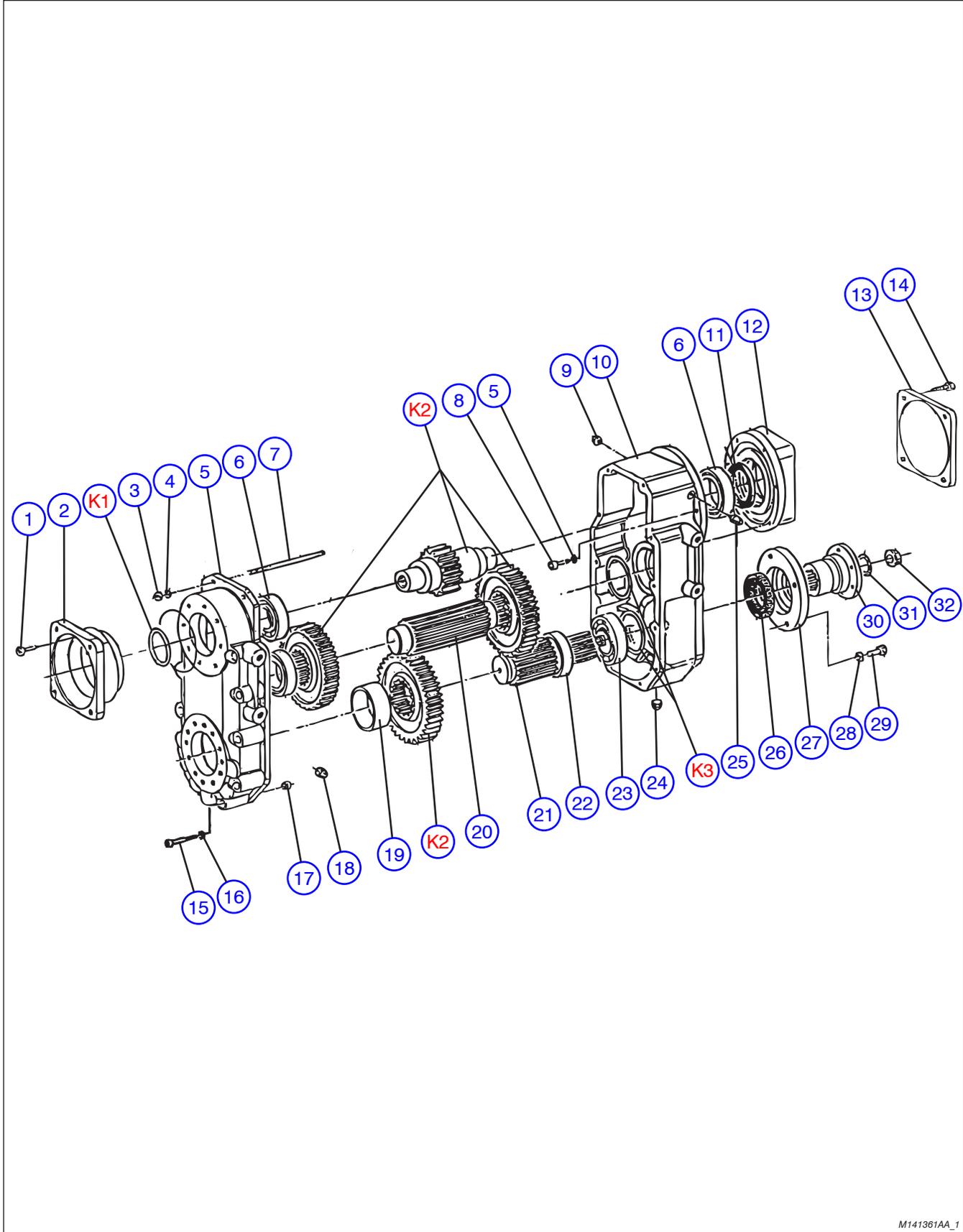


M141057AA_1

6.6 Central Housing Assembly - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
-	141057	-	CENTRAL HOUSING ASSEMBLY
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	141058	1	• HOUSING

6.7 Gear Box - Rear Axle

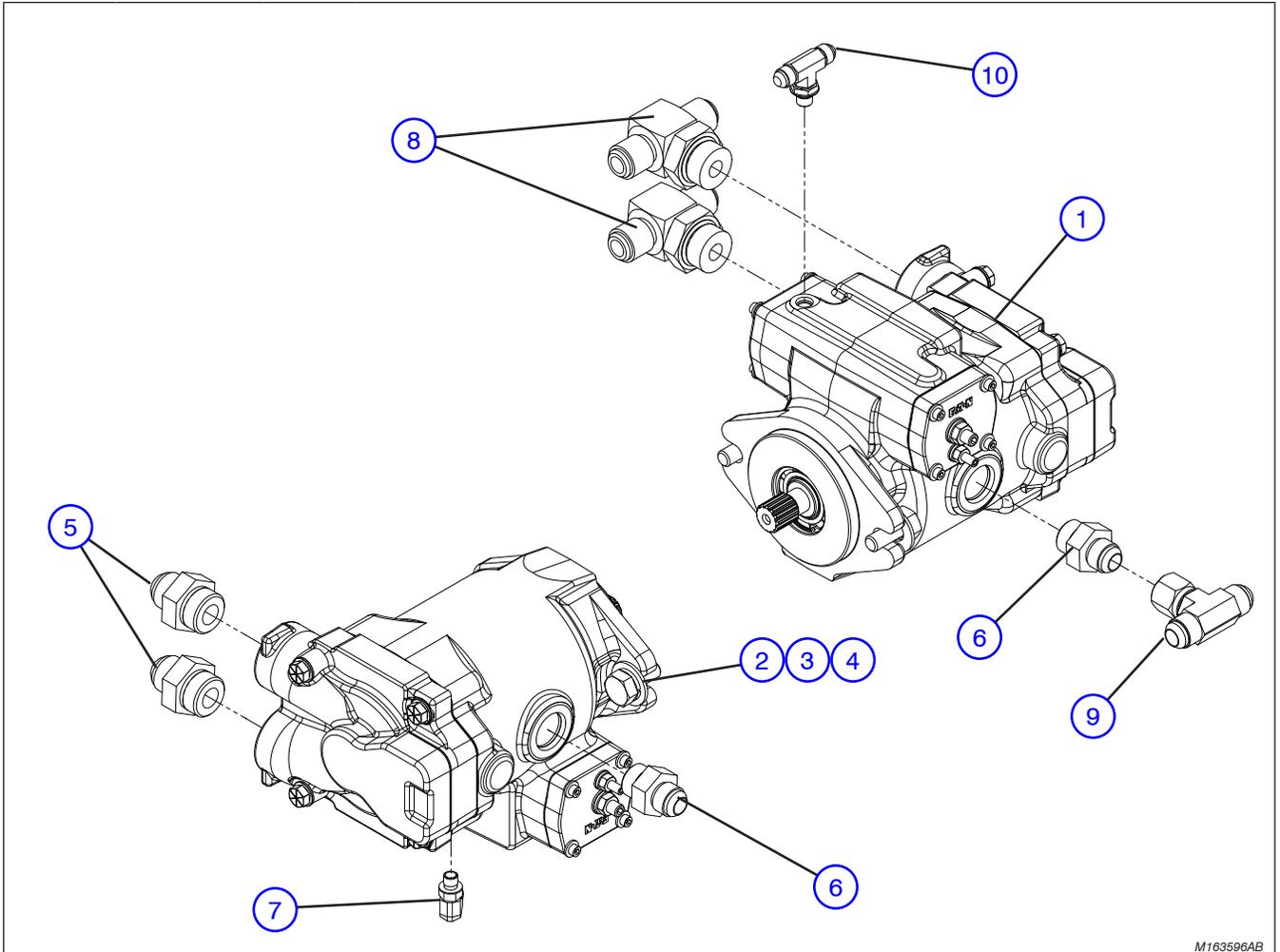


M141361AA_1

6.7 Gear Box - Rear Axle

Index No.	Skyjack Part No.	Qty.	Description
-	141361	-	BOX, Gear
1	141362	6	• BOLT
2	141157	1	• COVER
3	141363	2	• NUT
4	141364	6	• WASHER, Spring
5	141365	1	• HOUSING
6	141366	2	• BEARING, Ball
7	141367	2	• STUD
8	141383	4	• BOLT
9	141368	2	• BOLT, Grub
10	141369	1	• COVER
11	141370	2	• SEAL
12	141371	1	• COVER
13	141384	1	• COVER
14	141158	4	• BOLT
15	141381	10	• BOLT
16	141380	10	• WASHER, Spring
17	141379	2	• BUSHING, Reduction
18	141143	1	• PLUG
19	141378	1	• SPACER
20	141377	1	• SHAFT
21	141376	1	• SHAFT, Output
22	141375	1	• SPACER
23	141137	1	• BEARING, Ball
24	141144	1	• PLUG, Magnet
25	141134	1	• VENT
26	141149	1	• SEAL
27	141374	1	• COVER
28	141373	4	• WASHER, Spring
29	141072	4	• BOLT, Hex
30	141151	1	• FLANGE
31	141152	1	• O-RING
32	141372	1	• NUT
K1	141382	1	KIT, Shim
K2	141385	1	KIT, Gear
K3	140994	2	KIT, Shim

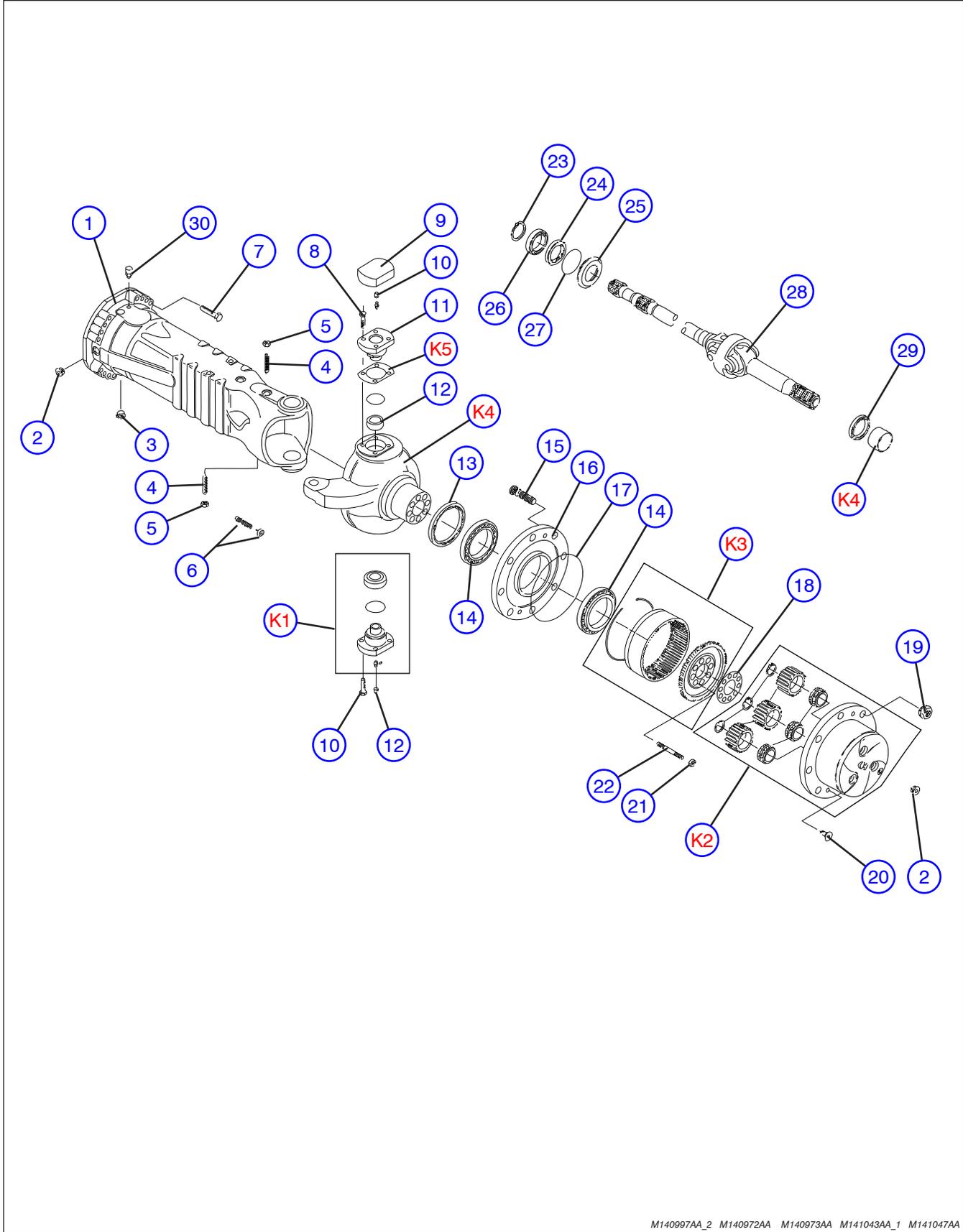
6.8 Hydraulic Drive Motor



M163596AB

Index No.	Skyjack Part No.	Qty.	Description
1	163596	2	MOTOR, Hydraulic drive
2	138738	4	WASHER, Lock (M14)
3	138734	4	BOLT, Hex head (M14 x 2 x 30mm, ZP, Grade 8.8)
4	700782	4	WASHER, Flat hardened (5/8")
5	702122	2	FITTING, Straight (12 JICM - 16 ORBM)
6	137490	2	FITTING, Straight (10 JICM - 12 ORBM)
7	113348	1	FITTING, 90° (06 JICM - 04 ORBM)
8	164566	2	FITTING, Branch tee (12 JICM - 12 JICM - 16 ORBM)
9	164565	1	FITTING, Branch tee (10 JICM - 10 JICM - 10 JICF)
10	165618	1	FITTING, Branch tee (06 JICM - 06 JICM - 04 ORBM)
K	170933	1	SEAL KIT, Drive motor

6.9 Front Axle Assembly

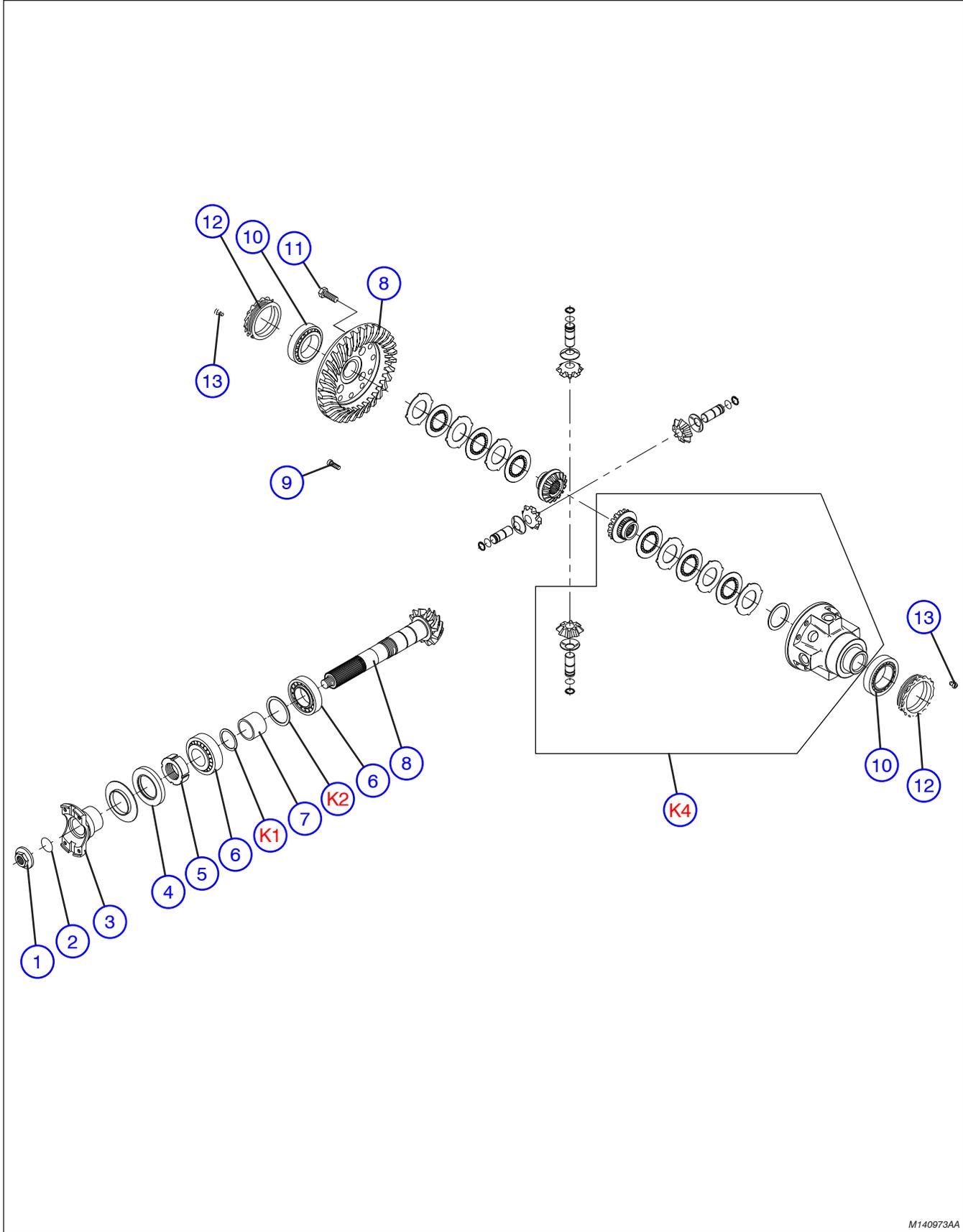


M140997AA_2 M140972AA M140973AA M141043AA_1 M141047AA

6.9 Front Axle Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	146176	-	FRONT AXLE ASSEMBLY
1	151760	1	• CASE, Axle
2	140969	4	• PLUG
3	140986	2	• PLUG, Magnet
4	141170	2	• BOLT
5	141169	2	• NUT
6	141017	4	• BOLT, Steering adjust
	141015	1	• • NUT
	141016	1	• • BOLT
7	141079	32	• BOLT
8	141005	20	• BOLT
9	141007	2	• COVER
10	141006	4	• PLUG
11	141004	2	• PIN, Pivot
12	151765	2	• BUSHING
13	141018	2	• SEAL
14	141019	2	• BEARING
15	141021	16	• STUD, Wheel
16	141020	2	• HUB, Wheel
17	140970	2	• O-RING
18	141081	2	• PLATE, Locking
19	151766	16	• NUT
20	141033	4	• BOLT, Countersunk
21	141027	16	• NUT
22	141026	16	• STUD
23	151763	2	• CIRCLIP
24	151762	2	• SEAL
25	151760	2	• BUSHING, Reduction
26	141073	2	• BALL BEARING
27	141171	2	• O-RING
28	151764	2	• JOINT, Double universal
29	141040	2	• SEAL
30	169159	1	• VENT
K1	141012	2	• KIT, Pivot pin
K2	151767	2	• KIT, Planet gear carrier
K3	141042	2	• KIT, Ring gear support
K4	141010	1	• KIT, Steering case (Right axle)
	141011	1	• KIT, Steering case (Left axle)
K5	141003	2	• KIT, Shim

6.10 Differential Assembly - Front Axle

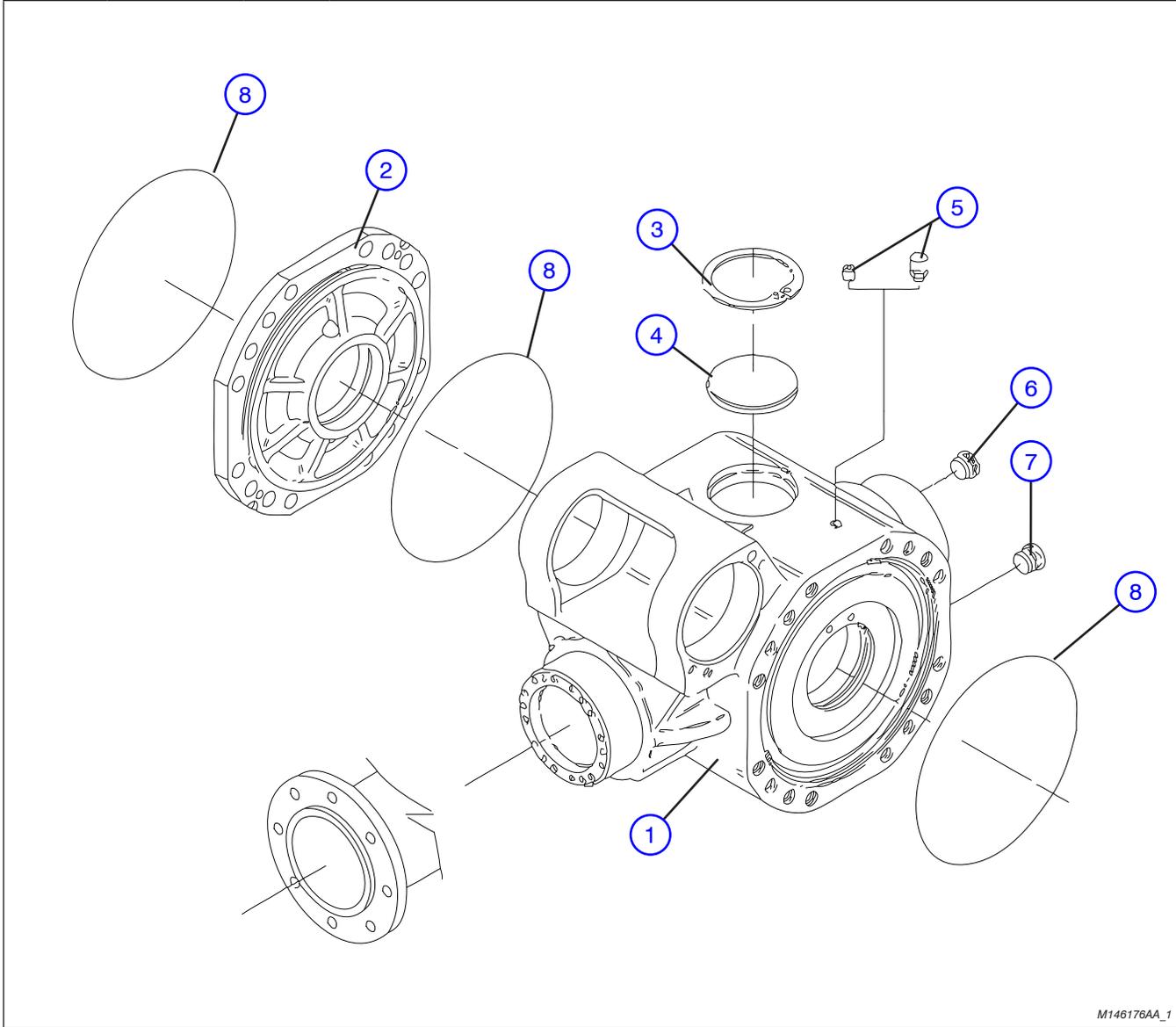


M140973AA

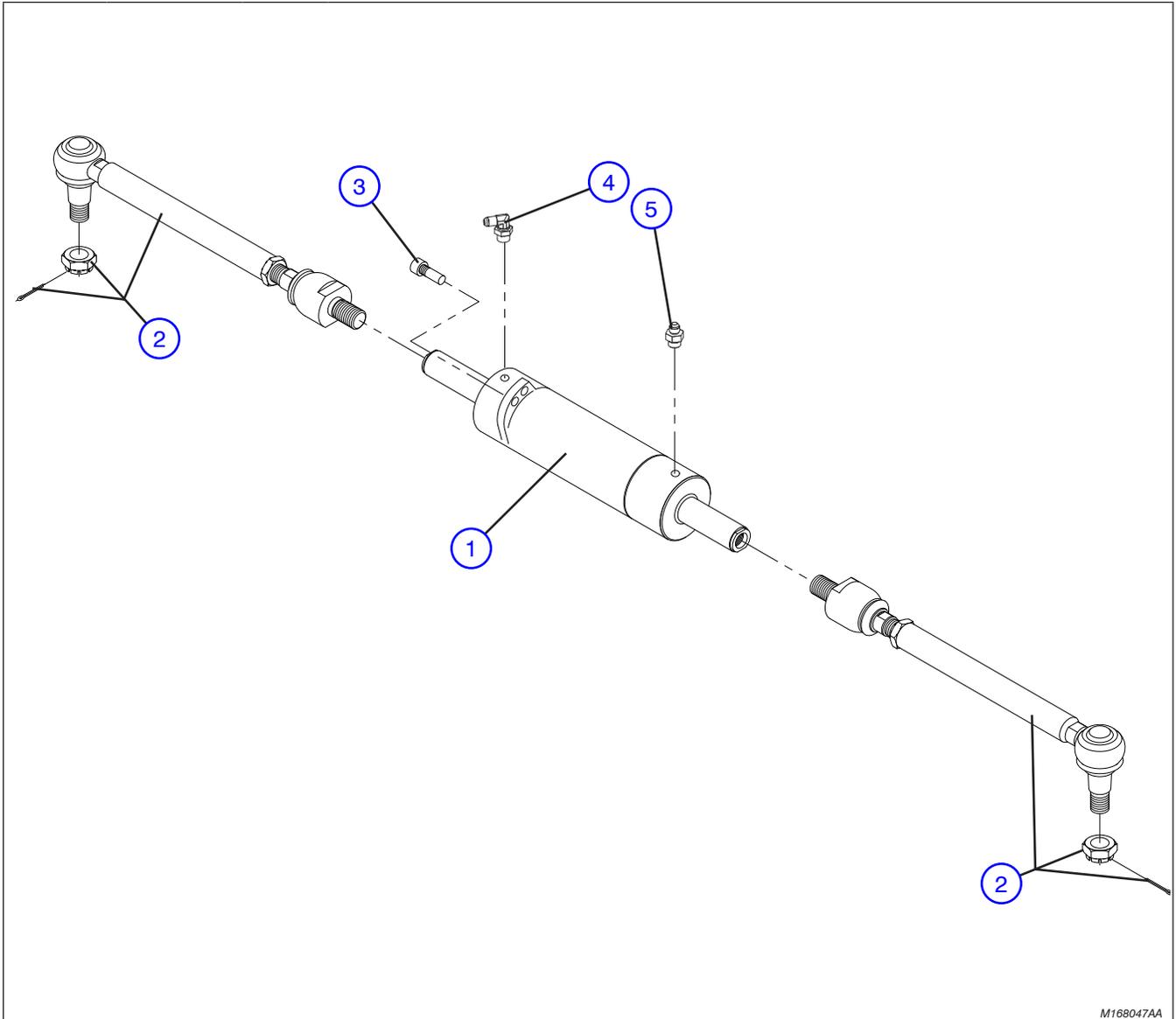
6.10 Differential Assembly - Front Axle

Index No.	Skyjack Part No.	Qty.	Description
1	140974	1	NUT
2	140979	1	O-RING
3	140975	1	FLANGE
4	140976	1	SEAL
5	140980	1	NUT, Ring
6	140984	2	BEARING, Taper roller
7	140981	1	SPACER
8	140985	1	GEAR SET, Bevel
9	140977	4	BOLT
10	140987	2	BEARING, Taper roller
11	140993	12	BOLT
12	141068	2	RING NUT
13	151768	2	BOLT
K1	140982	1	KIT, Shim
K2	140983	1	KIT, Shim
K3	140994	2	KIT, Shim
K4	140996	1	KIT, Limited slip differential

6.11 Central Housing Assembly - Front Axle



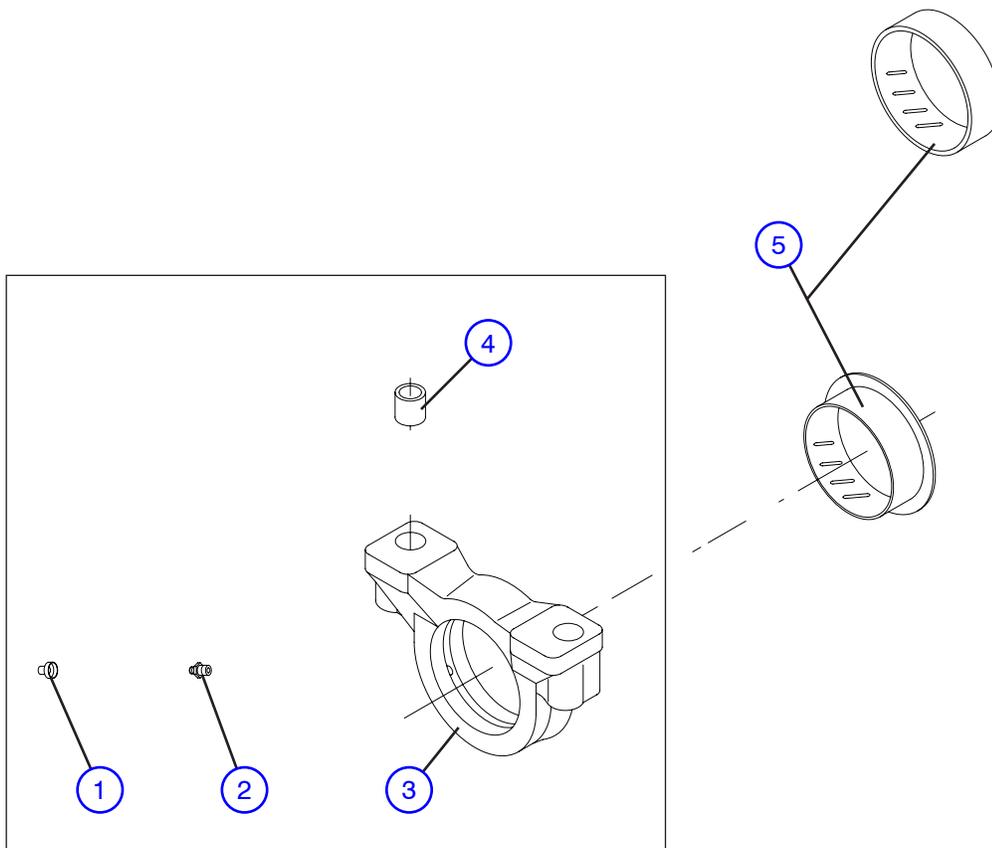
Index No.	Skyjack Part No.	Qty.	Description
-	151755	-	CENTRAL HOUSING ASSEMBLY
1	151756	1	• HOUSING
2	141054	1	• COVER, Intermediate
3	140966	1	• CIRCLIP
4	140967	1	• PLUG
5	141059	1	• VENT
6	140969	1	• PLUG
7	140968	1	• PLUG, Magnet
8	140970	3	• O-RING



M168047AA

Index No.	Skyjack Part No.	Qty.	Description
A	169240	-	STEERING ASSEMBLY (please contact Skyjack for assistance)
B	168047	-	STEERING ASSEMBLY (please contact Skyjack for assistance)
1	169241	1	• CYLINDER, Steer, A
	168048	1	• CYLINDER, Steer, B
2	166243	2	• TIE ROD, Articulated, A
	168049	2	• TIE ROD, Articulated, B
3	195047	4	• BOLT, A
	141044	4	• BOLT, B
4	102665	1	FITTING, Elbow 90° (6-8, o-ring)
5	103070	1	FITTING, Straight (06 JICM - 08 ORBM)
K	169242	1	KIT, Seal (Steer Cylinder), A
	141251	1	KIT, Seal (Steer Cylinder), B

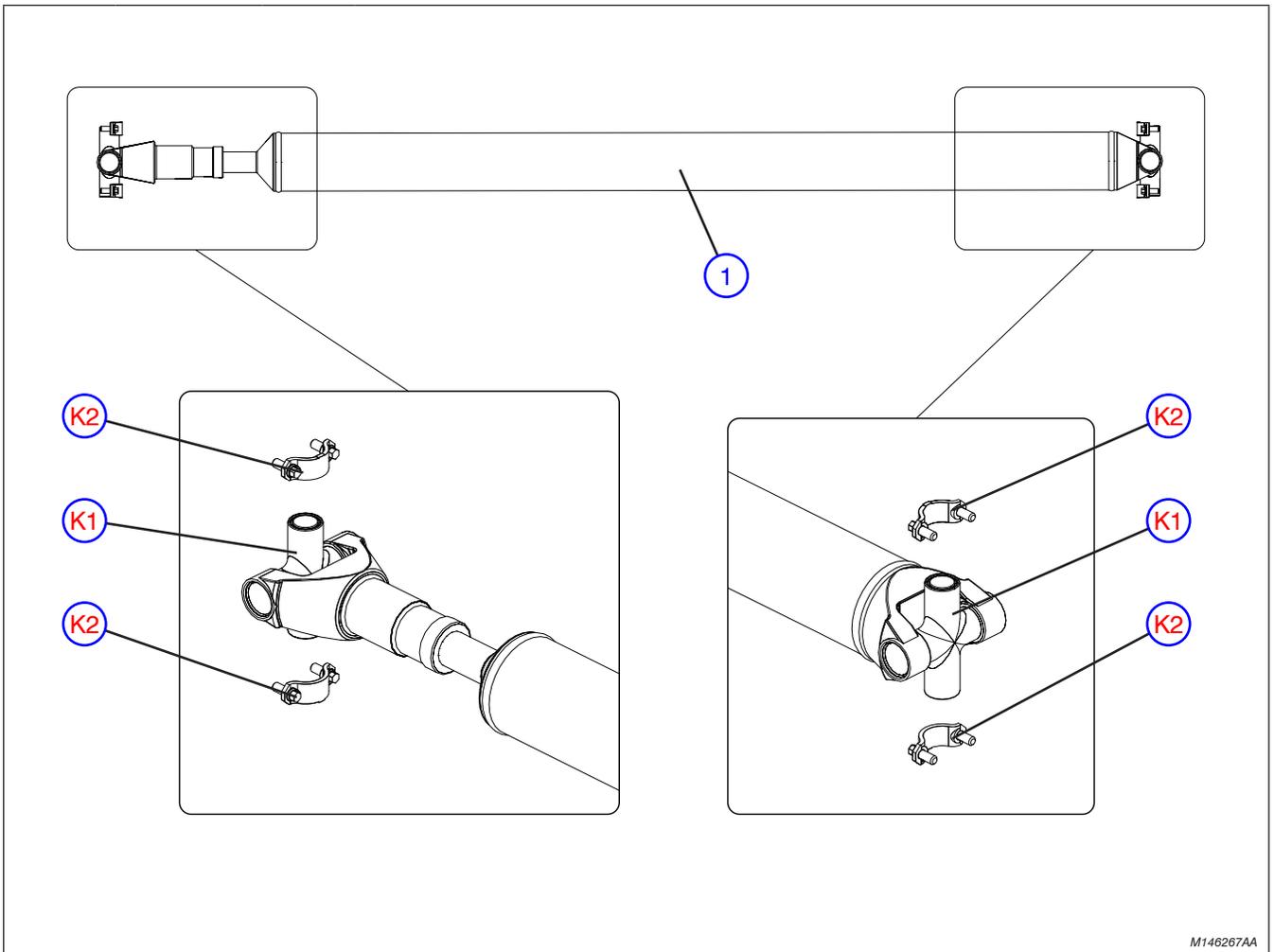
6.13 Trunnion Assembly - Front Axle



M141047AA_2

Index No.	Skyjack Part No.	Qty.	Description
-	141052	2	SUPPORT
1	141006	2	• PLUG
2	141014	2	• FITTING, Grease
3	141050	2	• SUPPORT
4	141048	4	• BUSHING, Reduction
5	141049	2	BUSHING, Thrust

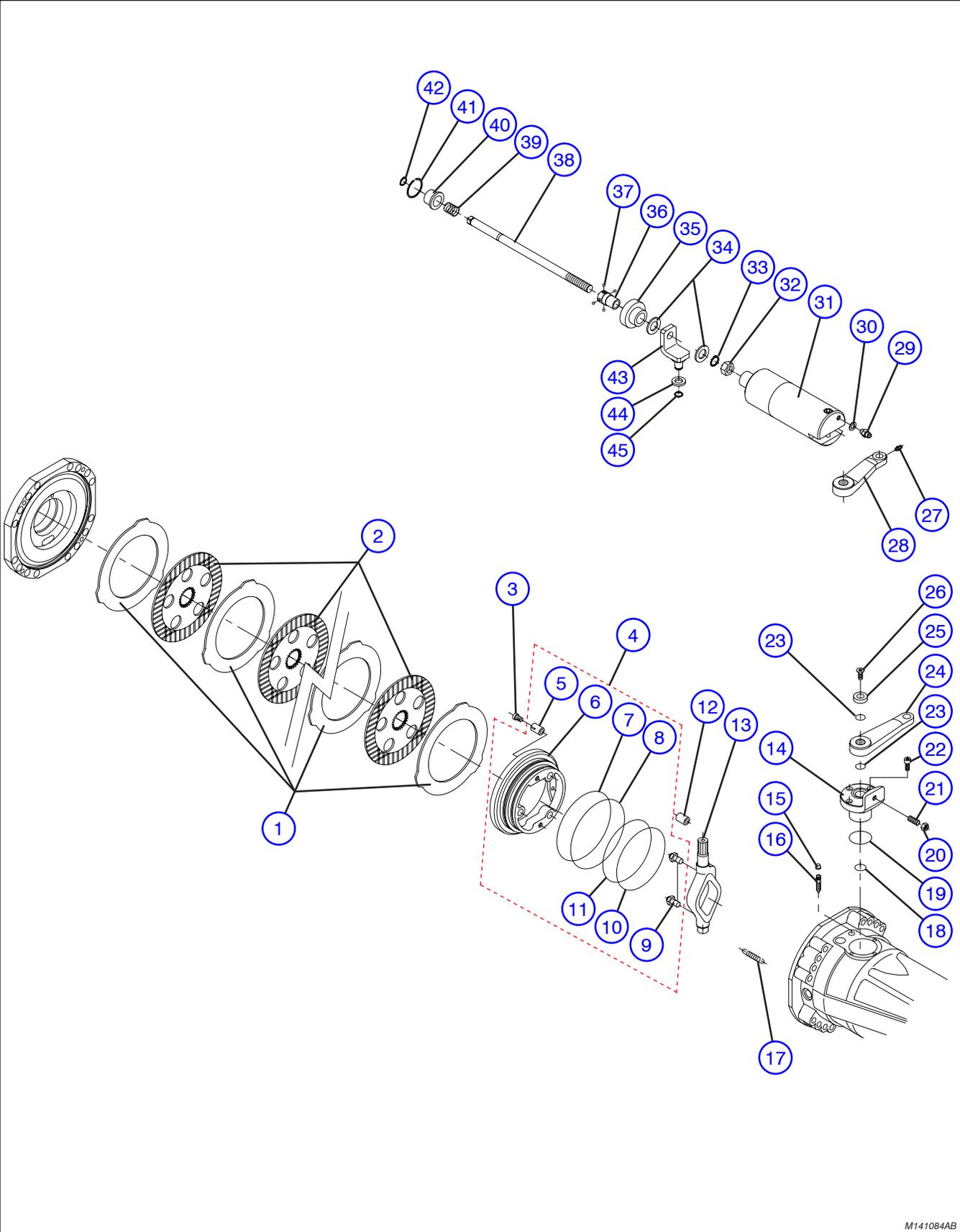
6.14 Axle Drive Shaft



M146267AA

Index No.	Skyjack Part No.	Qty.	Description
1	138980	1	SHAFT, Drive
K1	127195	2	KIT, Universal joint
K2	138731	2	KIT, Universal joint strap

6.15 Brake Assembly - Front & Rear Axle

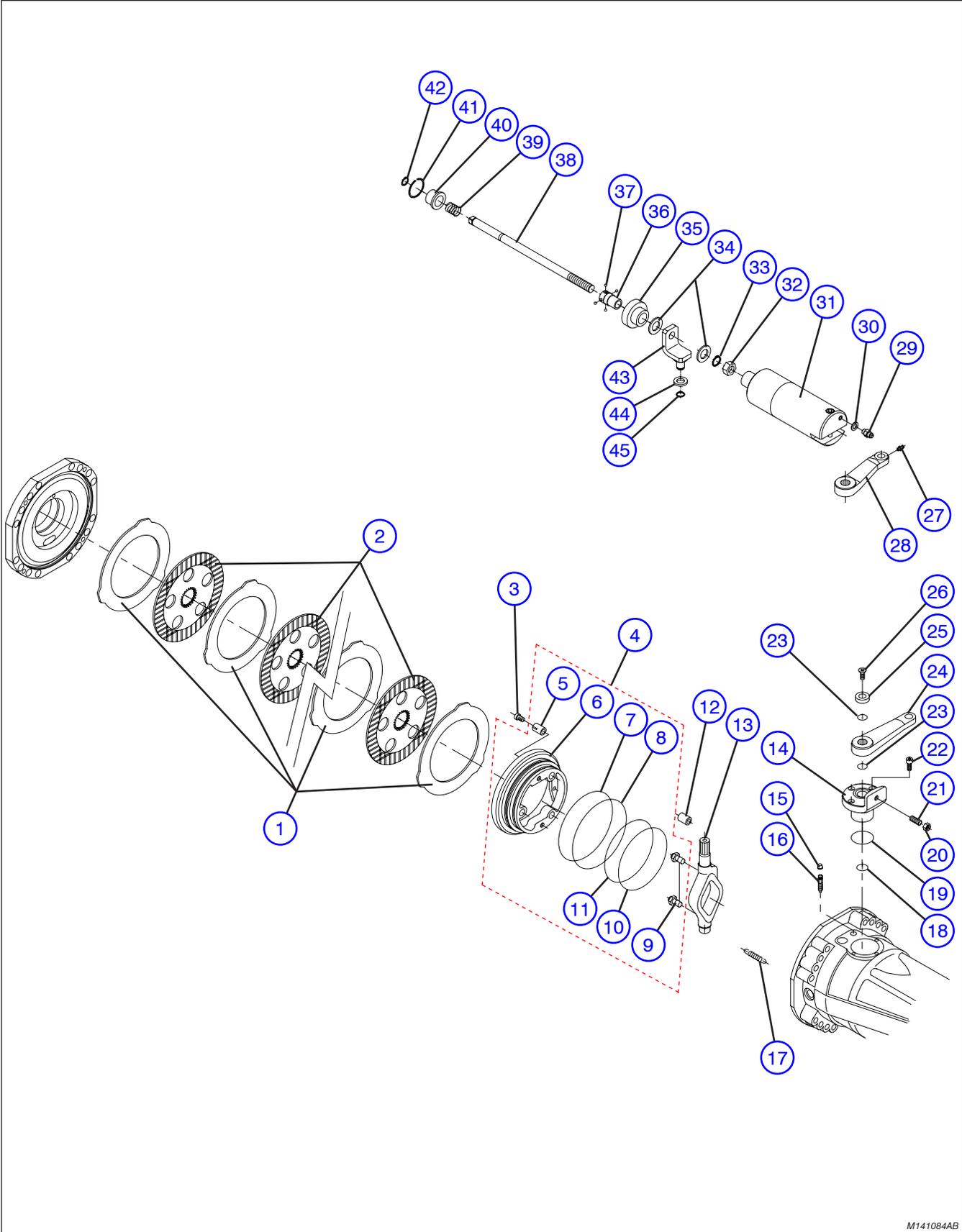


M141084AB

6.15 Brake Assembly - Front & 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 front axle)
	151758	1	PISTON (Left front axle)
	141127	1	PISTON (Right rear axle)
	141128	1	PISTON (Left rear axle)
5	141098	3	• SPRING
6	141109	1	• PISTON (Right)
	141099	1	• PISTON (Left)
7	141100	1	• RING, Back-up
8	141101	1	• O-RING
9	151759	2	• PUSHER (Front axle)
	141105	2	• PUSHER (Rear axle)
10	141106	1	• RING, BACK-UP
11	141107	1	• O-RING
12	141102	2	DOWEL
13	141085	1	LEVER (Right)
	141103	1	LEVER (Left)
14	141089	2	BUSHING, Reduction
15	141006	2	PLUG
16	141086	2	BOLT, Bleeding
17	141104	6	SPRING
18	141129	2	O-RING
19	141088	2	O-RING
20	141091	2	NUT
21	141090	2	BOLT
22	141087	6	BOLT
23	141092	2	O-RING
24	141093	1	LEVER
25	141094	2	WASHER
26	141095	2	BOLT, Countersunk
27	141112	1	FITTING, Grease
28	141110	1	LEVER
29	139126	1	SEAL, British bonded
30	138985	1	FITTING, Straight (06 JICM - 04 BSPPM)
31	141123	1	CYLINDER, Wheel
32	141122	1	NUT
33	141121	1	CIRCLIP
34	141113	2	WASHER
35	141119	1	BUSHING, Reduction
36	141124	1	BUSHING, Reduction
37	141118	4	BALL, Detent
			Parts list continued on the following page.

6.15 Brake Assembly - Front & Rear Axle (Continued)

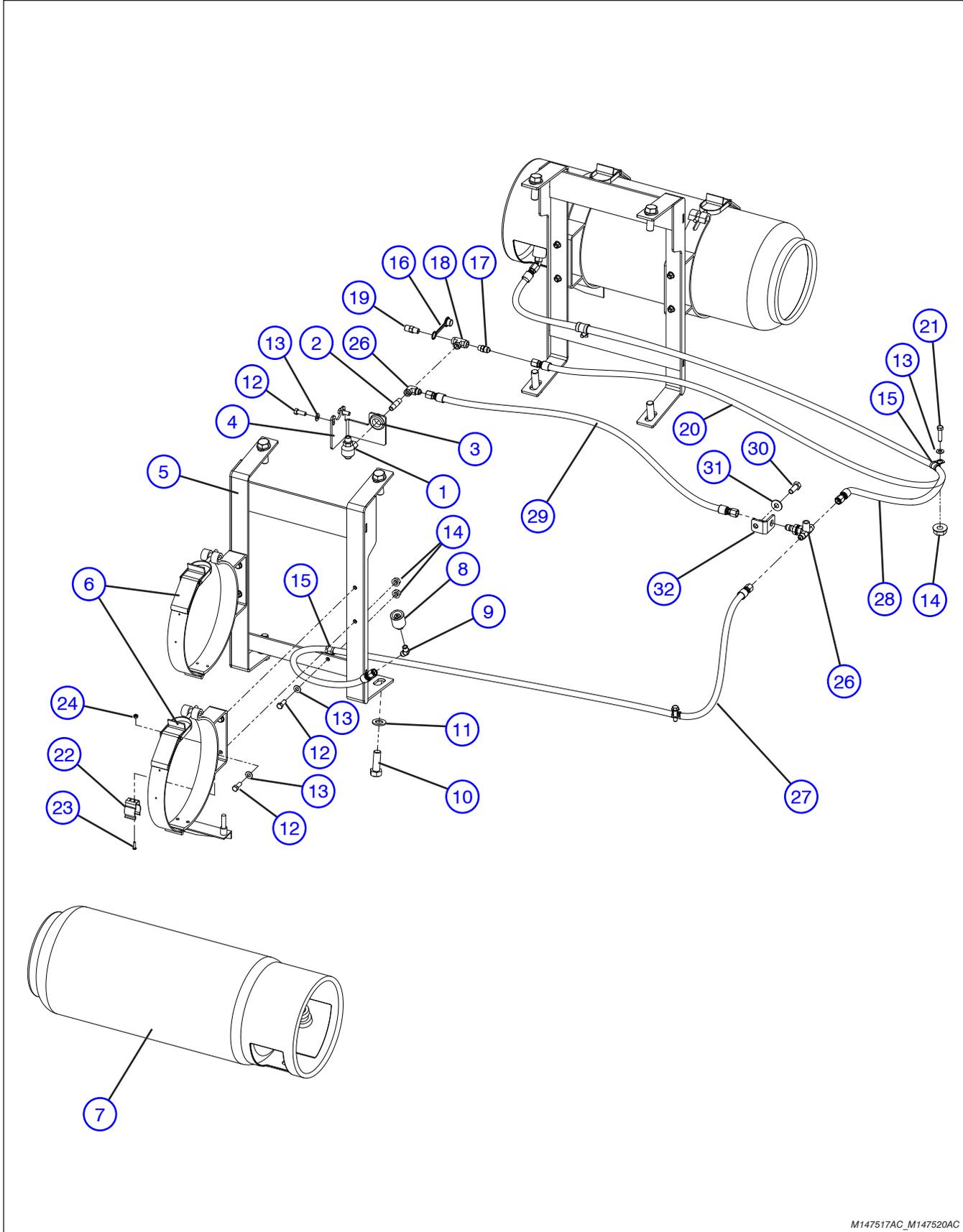


M141084AB

6.15 Brake Assembly - Front & Rear Axle (Continued)

Index No.	Skyjack Part No.	Qty.	Description
Parts list continued from the previous page.			
38	141117	1	CAM, Brake
39	141116	1	SPRING
40	141115	1	BUSHING, Reduction
41	141114	1	RING, Snap
42	141111	1	CIRCLIP
43	141120	1	SUPPORT
44	141126	1	SPACER
45	141125	1	CIRCLIP

6.16 Propane Tank Assembly

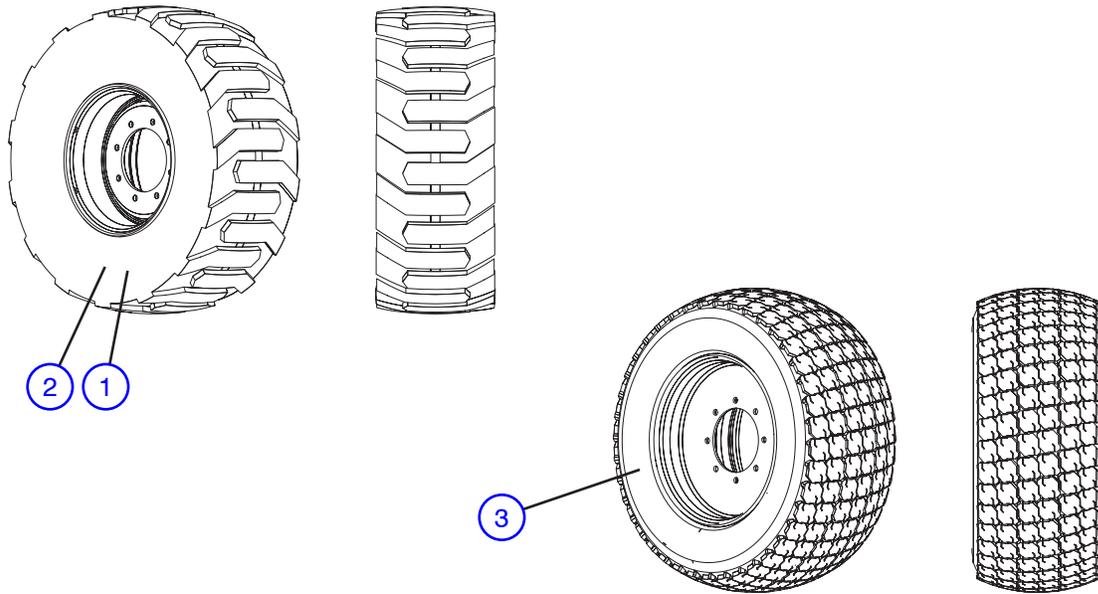


M147517AC_M147520AC

6.16 Propane Tank Assembly

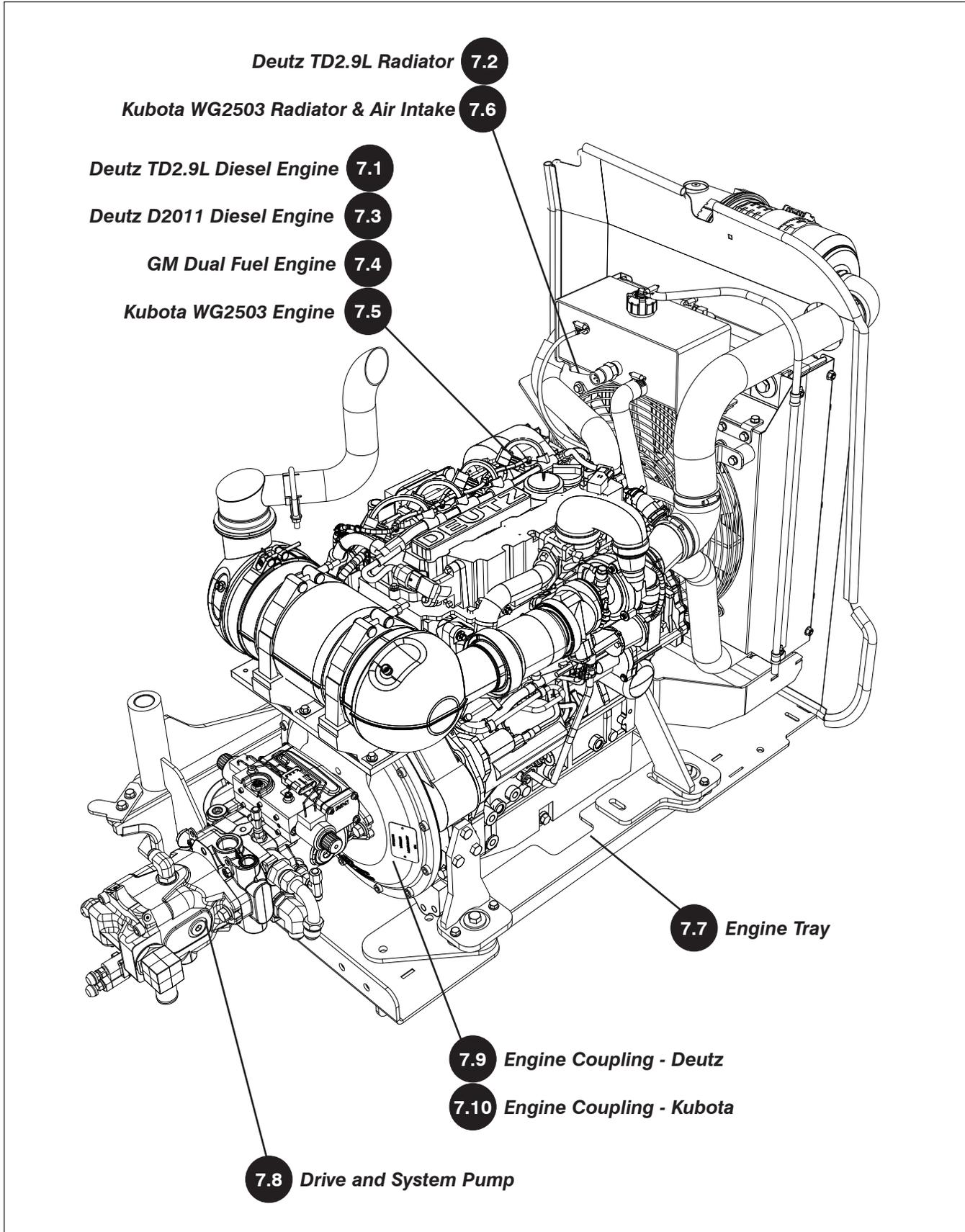
Index No.	Skyjack Part No.	Qty.	Description
A	147519	-	SINGLE PROPANE TANK ASSEMBLY
B	147520	-	DUAL PROPANE TANK ASSEMBLY (Optional)
1	702239	1	<ul style="list-style-type: none"> • FITTING, Elbow, 90° swivel (06 NPTM - 04 NPTF)
2	143478	1	<ul style="list-style-type: none"> • FITTING, Nipple (04 NPTM - 2 lg brass)
3	144294	1	<ul style="list-style-type: none"> • GROMMET (1" x 1.375" x 0.188")
4	161077	1	<ul style="list-style-type: none"> • BRACKET, Propane fitting retainer
5	147514	1	<ul style="list-style-type: none"> • WELDMENT, Propane tank bracket, A
		2	<ul style="list-style-type: none"> • WELDMENT, Propane tank bracket, B
6	144295	1	<ul style="list-style-type: none"> • MOUNTING, Propane bottle (pair), A
		2	<ul style="list-style-type: none"> • MOUNTING, Propane bottle (pair), B
7	702253	1	<ul style="list-style-type: none"> • BOTTLE, Propane (43.5#), A
		2	<ul style="list-style-type: none"> • BOTTLE, Propane (43.5#), B
8	103006	1	<ul style="list-style-type: none"> • QUICK COUPLING, Female tank, A
		2	<ul style="list-style-type: none"> • QUICK COUPLING, Female tank, B
9	103159	1	<ul style="list-style-type: none"> • FITTING, Elbow, 45° (06 SAE 45M - 04 NPTM), A
		2	<ul style="list-style-type: none"> • FITTING, Elbow, 45° (06 SAE 45M - 04 NPTM), B
10	138673	4	<ul style="list-style-type: none"> • BOLT, Hex head (3/4"-10 x 2 1/4" Grade 5), A
		8	<ul style="list-style-type: none"> • BOLT, Hex head (3/4"-10 x 2 1/4" Grade 5), B
11	103990	4	<ul style="list-style-type: none"> • WASHER, Flat (3/4"), A
		8	<ul style="list-style-type: none"> • WASHER, Flat (3/4"), B
12	103473	7	<ul style="list-style-type: none"> • BOLT, Hex head (3/8"-16 x 1" Grade 5), A
		12	<ul style="list-style-type: none"> • BOLT, Hex head (3/8"-16 x 1" Grade 5), B
13	103472	8	<ul style="list-style-type: none"> • WASHER, Flat (3/8"), A
		14	<ul style="list-style-type: none"> • WASHER, Flat (3/8"), B
14	112601	8	<ul style="list-style-type: none"> • NUT, Hex flange (3/8"-16), A
		14	<ul style="list-style-type: none"> • NUT, Hex flange (3/8"-16), B
15	144129	2	<ul style="list-style-type: none"> • CLIP, Single, A
		4	<ul style="list-style-type: none"> • CLIP, Single, B
16	111622	1	<ul style="list-style-type: none"> • CAP, Rain, A
17	103156	1	<ul style="list-style-type: none"> • FITTING, Straight (06 SAE45M - 04 NPTF steel), A
18	132919	1	<ul style="list-style-type: none"> • FITTING, Branch tee (04 NPTF steel), A
19	300799	1	<ul style="list-style-type: none"> • Valve, Relief (propane), A
20	147549	1	<ul style="list-style-type: none"> • HOSE, Propane (45 SAE x 113", type III), A
21	103870	1	<ul style="list-style-type: none"> • BOLT, Hex head (3/8"-16 x 1 1/2" Grade 5), A
		2	<ul style="list-style-type: none"> • BOLT, Hex head (3/8"-16 x 1 1/2" Grade 5), B
22	137235	1	<ul style="list-style-type: none"> • CLIP, Gripper (1.5"-2.5 diameter), A
		2	<ul style="list-style-type: none"> • CLIP, Gripper (1.5"-2.5 diameter), B
23	138834	2	<ul style="list-style-type: none"> • SCREW, Round head machine (#10-24 x 3/4"), A
		4	<ul style="list-style-type: none"> • SCREW, Round head machine (#10-24 x 3/4"), B
24	126642	2	<ul style="list-style-type: none"> • NUT, Hex lock (#10-24 Grade 5, nylon), A
		4	<ul style="list-style-type: none"> • NUT, Hex lock (#10-24 Grade 5, nylon), B
25	123062	1	<ul style="list-style-type: none"> • FITTING, Shuttle tee, B
26	144334	1	<ul style="list-style-type: none"> • FITTING, Elbow 90° (06 SAE45M - 04 NPTF), B
27	147547	1	<ul style="list-style-type: none"> • HOSE, Propane (45 SAE x 83", type III), B
28	147544	1	<ul style="list-style-type: none"> • HOSE, Propane (45 SAE x 76", type III), B
29	103098	1	<ul style="list-style-type: none"> • HOSE, Propane (45 SAE x 42", type III), B
30	103909	1	<ul style="list-style-type: none"> • BOLT, Hex head (1/2"-13 x 1 1/4" Grade 5), B
31	103468	1	<ul style="list-style-type: none"> • WASHER, Lock (1/2"), B
32	147546	1	<ul style="list-style-type: none"> • BRACKET, Shuttle tee, B

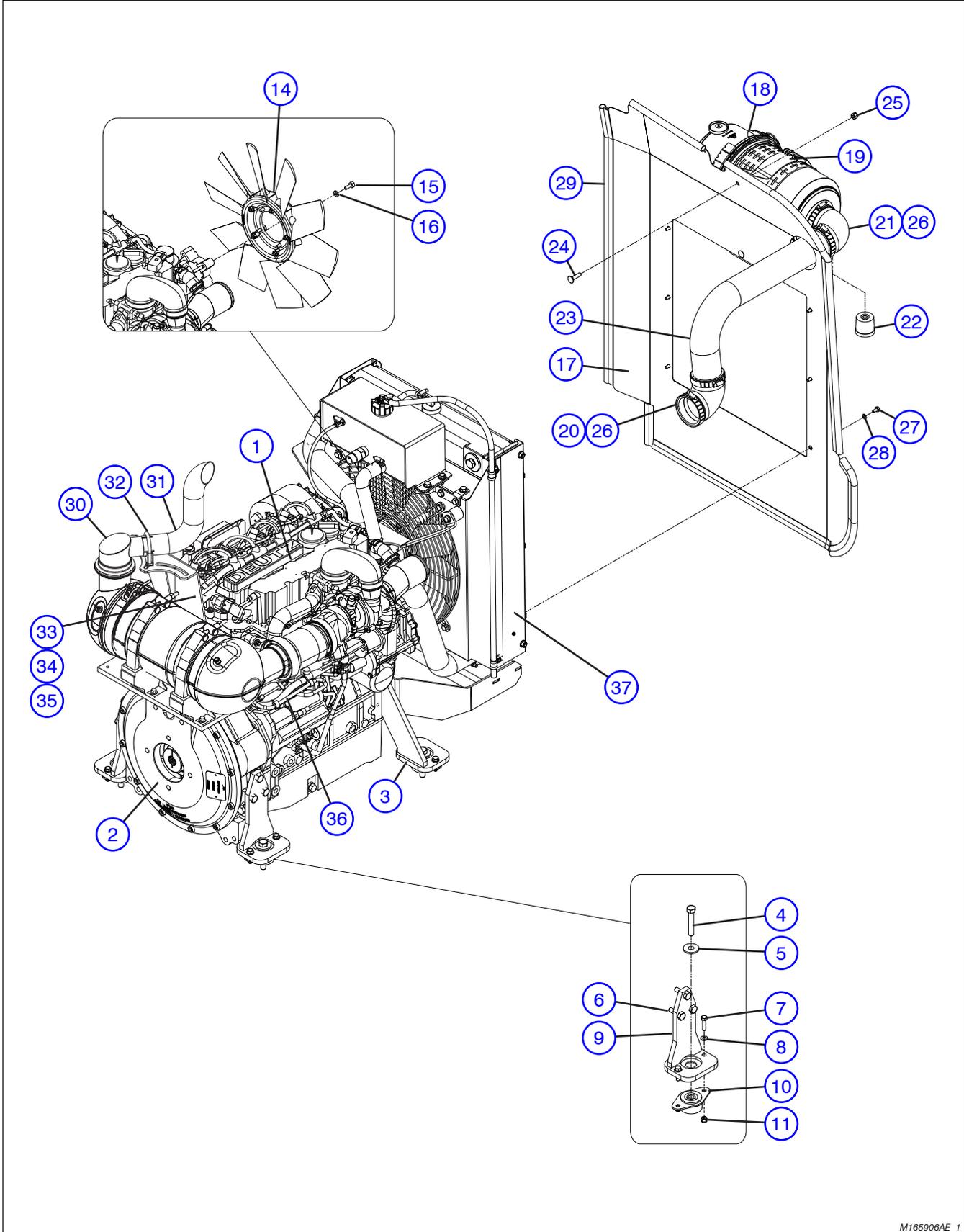
6.17 Tires



M146205AA

Index No.	Skyjack Part No.	Qty.	Description
1	146177	2	WHEEL ASSEMBLY, Left hand (Air tire)
	146178	2	WHEEL ASSEMBLY, Right hand (Air tire)
	160911	1	• RIM (11 3/4" x 19 1/2")
	148483	1	• TIRE (15" x 19 1/2" - 14 ply)
	143996	1	• VALVE STEM, Carlisle (TR-501)
2	167462	2	WHEEL ASSEMBLY, Left hand (Foam filled tire)
	167463	2	WHEEL ASSEMBLY, Right hand (Foam filled tire)
	160911	1	• RIM (11 3/4" x 19 1/2")
	148483	1	• TIRE (15" x 19 1/2" - 16 PR)
	143996	1	• VALVE STEM, Carlisle (TR-501)
3	162400	1	• FOAM FILL (40/60 rubber crumb)
	168517	4	WHEEL ASSEMBLY (High flotation tire)
	168516	1	• RIM (24.5" x 15" - 1.804" offset)
	168077	1	• TIRE, OTR Sandmaster (18-625 - 16 PR)
	144309	1	• VALVE STEM, OTR
4	141580	4	VALVE STEM, Green (Air tires with sealant)
5	139635	5.9L	SEALANT, Tire (Air tires with sealant)
L1	141848	1	LABEL, Tire sealant (Air tires with sealant)

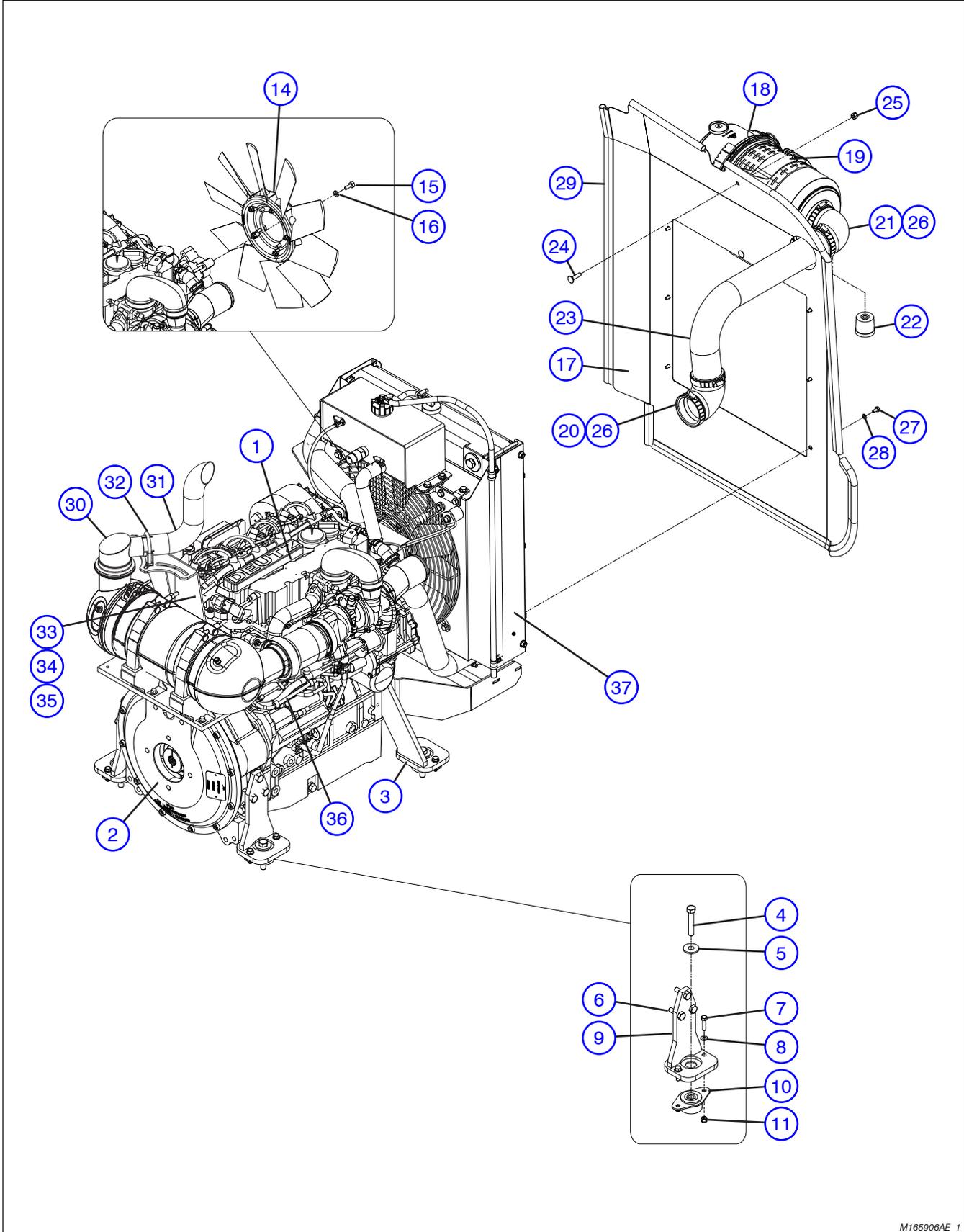




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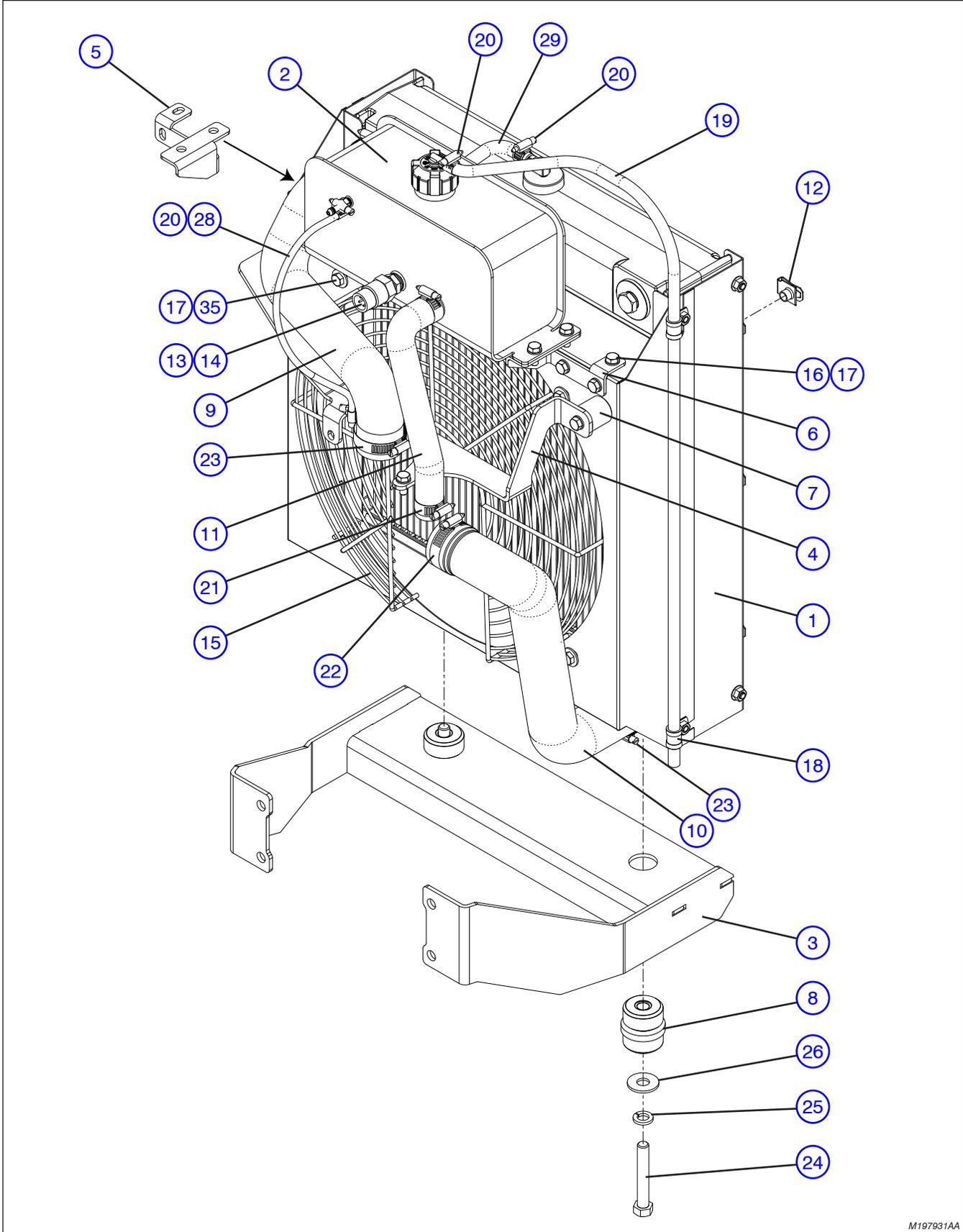
Index No.	Skyjack Part No.	Qty.	Description
-	165906	1	ENGINE ASSEMBLY (Deutz TD2.9L)
1	171943	1	• ENGINE, Diesel (Deutz TD2.9L)
	147072	1	• • FILTER, Oil
	164770	1	• • PUMP, Fuel
	164771	1	• • FILTER, Fuel
	164772	1	• • PRE-FILTER, Fuel
	169249	1	• • • CABLE, Sensor - pre-filter
	166689	1	• • CAP, Oil 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
	166695	1	• • GASKET SET
	166696	1	• • PUMP, Coolant
	166697	1	• • TURBOCHARGER
	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
	166705	1	• • SENSOR, Intake air temperature
	164845	1	• • ECU
	194080	1	• • DOC
	199169	1	• • OUTLET, DOC
-	167211	1	• ENGINE COUPLINGS
2	(Ref.)	1	• • ENGINE COUPLING ASSEMBLY (For components, refer to Section 7.9)
-	167210	1	• • ENGINE MOUNTS - Deutz D2.9L
3	163049	1	• • • MOUNT, Front RH
	163047	1	• • • MOUNT, Front LH
4	103469	4	• • • BOLT, Hex head (1/2"-13 x 3.25", Grade 5)
5	163200	4	• • • WASHER, Snubbing, engine mount
6	149419	10	• • • BOLT, Hex head (M12 x 1.75" x 35mm, Grade 8.8)
7	112532	8	• • • BOLT, Hex head (5/16"-18 x 1.25", Grade 5)
8	103996	8	• • • WASHER, Flat (5/16")
9	163051	2	• • • MOUNT, Rear engine
10	163028	4	• • • MOUNT, Vibration - Deutz
11	103984	8	• • • NUT, Hex nylon lock (5/16"-18, Grade 5)
12	103468	4	• • • WASHER, Flat (1/2" SAE AA)
13	702507	4	• • • NUT, Hex nylon lock (1/2"-13, Grade 5)
-	165900	1	• FAN INSTALL ASSEMBLY
14	163223	1	• • FAN, Deutz (17")
15	133174	4	• • BOLT, Hex head (M8 x 1.25 x 20mm Grade 5, ZP)
16	116218	4	• • WASHER, Lock (M8)

Parts list continued on the following page.



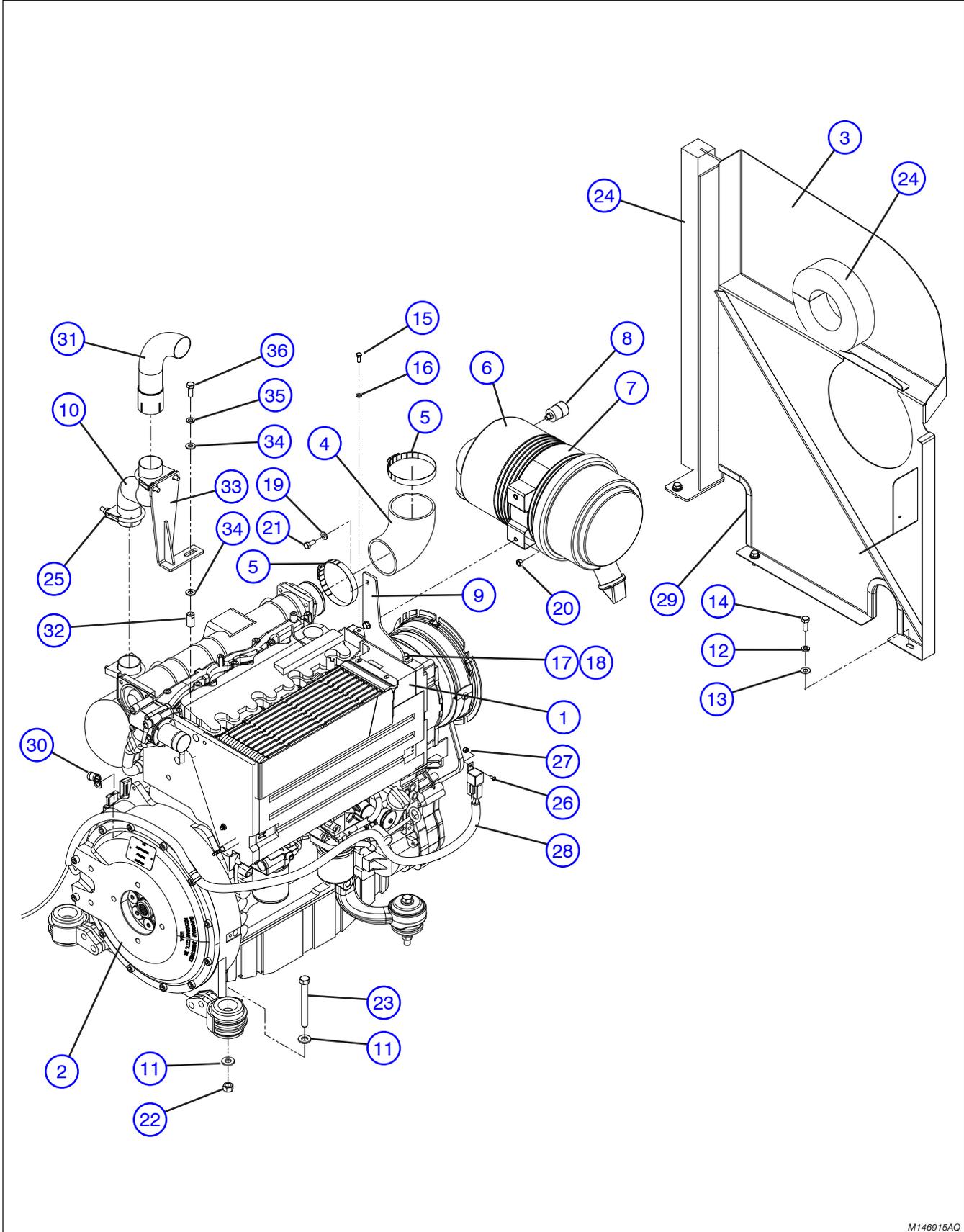
M165906AE_1

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
-	165903	1	• AIR INTAKE ASSEMBLY
17	164543	1	• • AIR DAM, Deutz
18	163243	1	• • AIR CLEANER
	165949	1	• • • ELEMENT, Primary
	165950	1	• • • ELEMENT, Secondary
	194405	1	• • • CAP, Air cleaner
19	163245	1	• • BRACKET, Air cleaner
20	163248	1	• • CONNECTOR, 90°
21	163249	1	• • CONNECTOR, 90°
22	163250	1	• • INDICATOR, Service
23	168345	1	• • TUBE, Air intake
24	106049	2	• • BOLT, Carriage (5/16"-18 x 1 1/4" Grade 5)
25	103984	2	• • NUT, Hex lock (5/16"-18 Grade 5, Nylon)
26	121869	4	• • GEAR CLAMP, SAE No. 40, 2 1/16" - 3"
27	103892	6	• • BOLT, Hex head (1/4"-20 x 5/8" Grade 5)
28	104000	6	• • WASHER, Lock (1/4")
29	149357	120"	• • SEAL, Bulb
-	165905	1	• EXHAUST ASSEMBLY
30	164525	1	• • ADAPTER, Exhaust
31	164553	1	• • TAILPIPE, Deutz
32	148377	1	• • CLAMP, Exhaust (2")
33	194346	1	• • BRACKET, Exhaust
34	133174	3	• • BOLT, Hex head (M8-1.25 x 20 gr 8.8)
35	133232	3	• • WASHER, Flat (M8)
36	165602	1	• CABLE, Alternator
37	(Ref.)	1	• RADIATOR



M197931AA

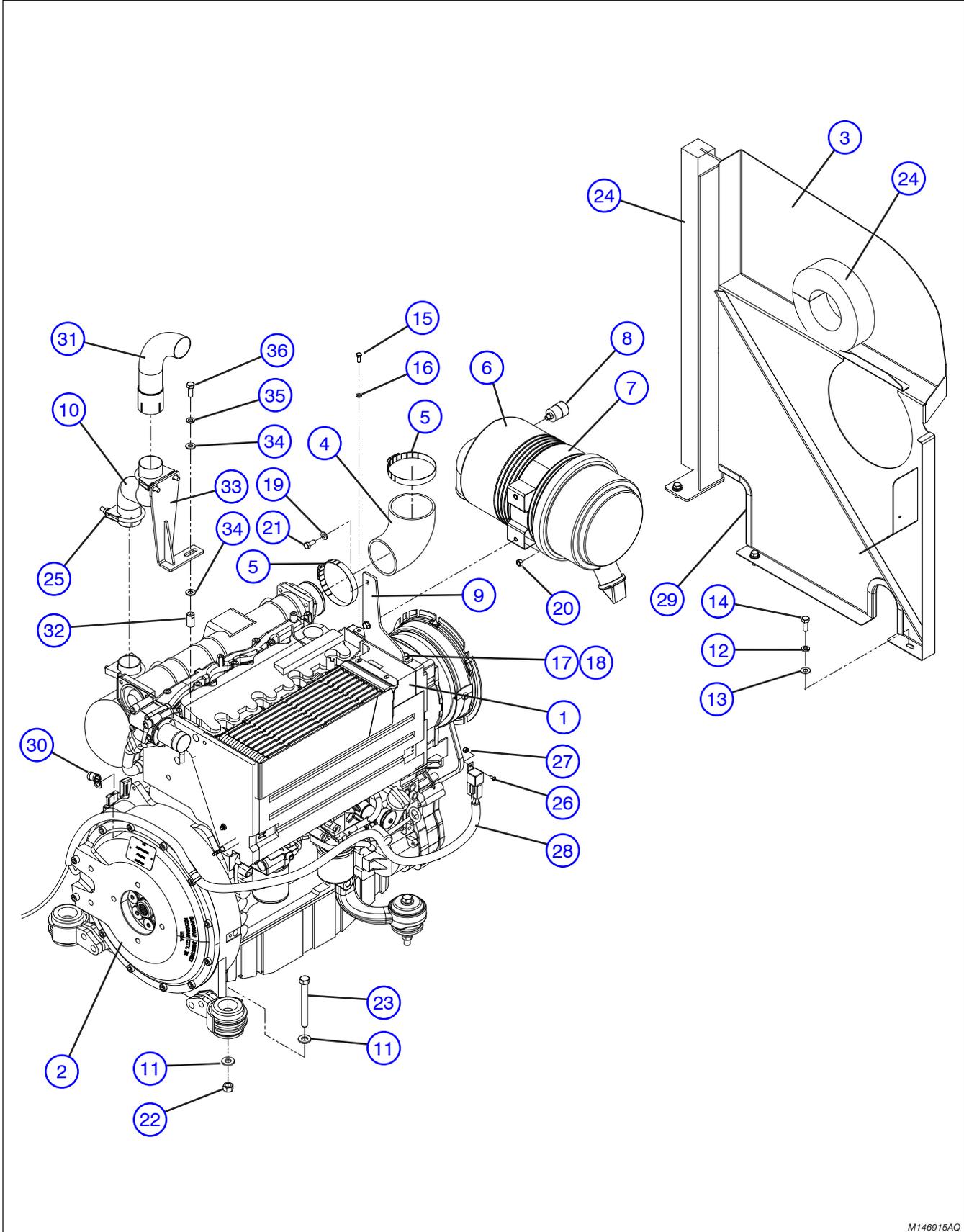
Index No.	Skyjack Part No.	Qty.	Description
-	165587	1	RADIATOR ASSEMBLY, Deutz TD2.9L
1	163229	1	• RADIATOR, Deutz TD2.9L
	210168	1	• • SHROUD, Fan
2	163230	1	• RESERVOIR, Overflow, Deutz TD2.9L
-	163231	1	• KIT, Radiator, Deutz TD2.9L
3	194839	1	• • MOUNT, Radiator
4	194841	1	• • BRACKET, Upper radiator support
5	210223	1	• • MOUNT, Degas
6	210224	1	• • MOUNT, Degas
7	190430	2	• • ISOLATOR, Upper
8	132945	2	• • ISOLATOR, Lower
9	207694	1	• • HOSE, Radiator - return
10	207695	1	• • HOSE, Radiator - lower
11	207696	1	• • HOSE, Radiator - upper
12	149496	6	• NUT, Speed clip (1/4"-20 x 1/2" L)
13	165058	1	• SENSOR, Coolant level
14	166949	1	• WASHER, M16 Sealing
15	163394	1	• GUARD, Fan 17"
16	133174	17	• BOLT, Hex head (M8 x 1 1/4" x 20mm Grade 5 Zinc DIN933)
17	133232	13	• WASHER, Flat (M8 DIN126)
18	144129	2	• CLIP, Single (S332G10)
19	102984	40"	• FUEL LINE, 5/16" #4PB-B194
20	103321	3	• CLAMP, Gear (SAE #4, 1/4" - 5/8")
21	142415	2	• CLAMP, Gear (SAE #20, 3/4" - 1 3/4")
22	133222	1	• CLAMP, Gear (SAE #32, 1 9/16" - 2 1/2")
23	104528	3	• CLAMP, Gear (SAE #28, 1 5/16" - 2 1/4")
24	108818	2	• BOLT, Hex head (1/2"-13 x 2 3/4" Grade 5)
25	103470	2	• WASHER, Lock (1/2" Grade 5)
26	137241	1	• WASHER, Fender (1/2" ID)
27	166164	4	• WASHER, Flat (5/16" Standard)
28	160366	13"	• FUEL LINE, 3/16"
29	166737	6"	• FUEL LINE, 5/16"



M146915AQ

Index No.	Skyjack Part No.	Qty.	Description
-	146915	1	ENGINE ASSEMBLY
1	167739	1	• ENGINE, Diesel (Deutz)
	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
	127187	1	• • STARTER
	151769	1	• • EXHAUST, Silencer
	151770	1	• • V-BELT, Narrow
	147071	1	• • FILTER, Fuel
	147072	1	• • FILTER, Oil
	157659	1	• • DIPSTICK
	168055	1	• • SOLENOID, Fuel
	168365	1	• • ALTERNATOR
	168366	1	• • SWITCH, Oil temperature
	168367	1	• • SENDER, Temperature
	194225	1	• • WIRE, Starter
2	(Ref.)	1	• ENGINE COUPLING ASSEMBLY (For components, refer to Section 7.9)
3	146988	1	• WELDMENT, Baffle
4	138508	1	• ELBOW, 90° Reducer (air intake)
5	138665	2	• CLAMP, Gear (SAE NO. 56)
6	703312	1	• AIR CLEANER, Engine
	704560	1	• • FILTER, Primary
	706549	1	• • FILTER, Secondary
7	703315	1	• BAND, Air cleaner mounting
8	139091	1	• INDICATOR, Air restriction
9	147550	1	• BRACKET, Air filter
10	147511	1	• STACK, Exhaust
11	104379	8	• WASHER, Flat hardened (1/2")
12	103472	4	• WASHER, Flat (3/8")
13	103999	4	• WASHER, Lock (3/8")
14	103473	4	• BOLT, Hex head (3/8"-16 x 1" Grade 5)
15	104608	1	• BOLT, Hex head (M6 x 1mm x 16mm Grade 9.8)
16	600190	1	• WASHER, Flat (M6)
17	133174	1	• BOLT, Hex head (M8 x 1.25mm x 22mm Grade 5, zinc)
18	600184	1	• WASHER, Flat (M8)
19	103996	2	• WASHER, Flat (5/16")
20	100397	2	• NUT, Hex head (5/16"-18 Grade 5)
21	103887	3	• BOLT, Hex head (5/16"-18 x 3/4" Grade 5)
22	123856	4	• NUT, Hex head (1/2"-13 Grade 8)
23	111420	4	• BOLT, Hex head (1/2"-13 x 4 1/2" Grade 5)
24	148368	53"	• FOAM (2" x 2")
25	148377	2	• CLAMP, Exhaust pipe (2")
26	115545	1	• SCREW, Round head machine (10-32 x 3/8")
27	300450	1	• NUT, Hex lock (#10-32, Grade 5, nylon)

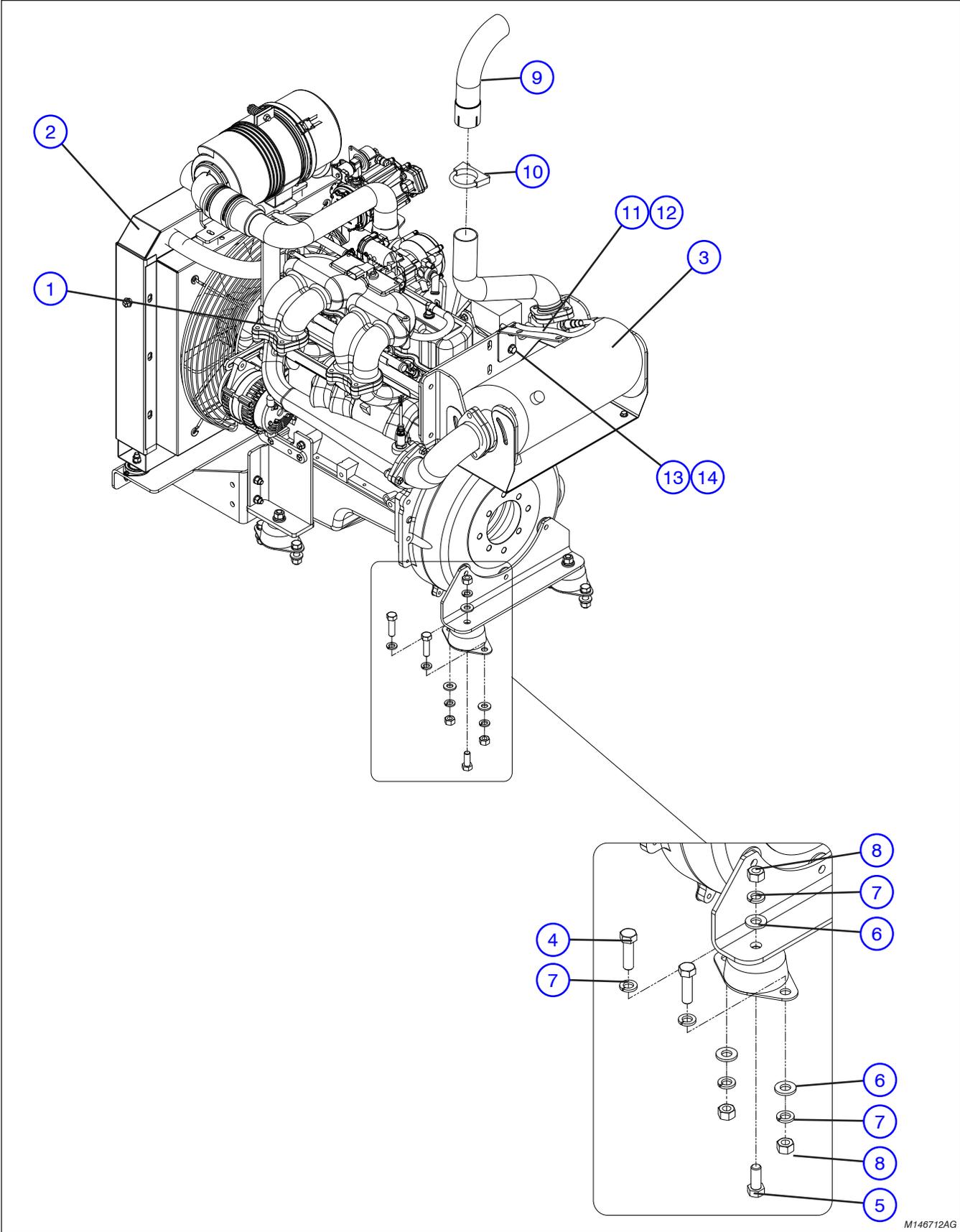
Parts list continued on the following page.



M146915AQ

Index No.	Skyjack Part No.	Qty.	Description
<p>Parts list continued from the previous page.</p>			
28	(Ref.)	1	<ul style="list-style-type: none"> • HARNESS, Glow Plug (Deutz diesel engine)
<p>(For components, refer to Section 5.8)</p>			
29	117398	19"	<ul style="list-style-type: none"> • TRIM, Protective
30	144129	2	<ul style="list-style-type: none"> • CLIP, Single (S332G10)
31	153962	1	<ul style="list-style-type: none"> • PIPE, Exhaust (2")
32	171886	1	<ul style="list-style-type: none"> • SPACER, Exhaust bracket
33	170407	1	<ul style="list-style-type: none"> • BRACKET, Exhaust stack
34	933817	2	<ul style="list-style-type: none"> • WASHER, Flat (M12)
35	116995	1	<ul style="list-style-type: none"> • WASHER, Lock (M12)
36	933791	1	<ul style="list-style-type: none"> • BOLT, Hex head cap screw (M12 x 1.75 gr 8.8)

7.4 Engine Assembly - GM Dual Fuel

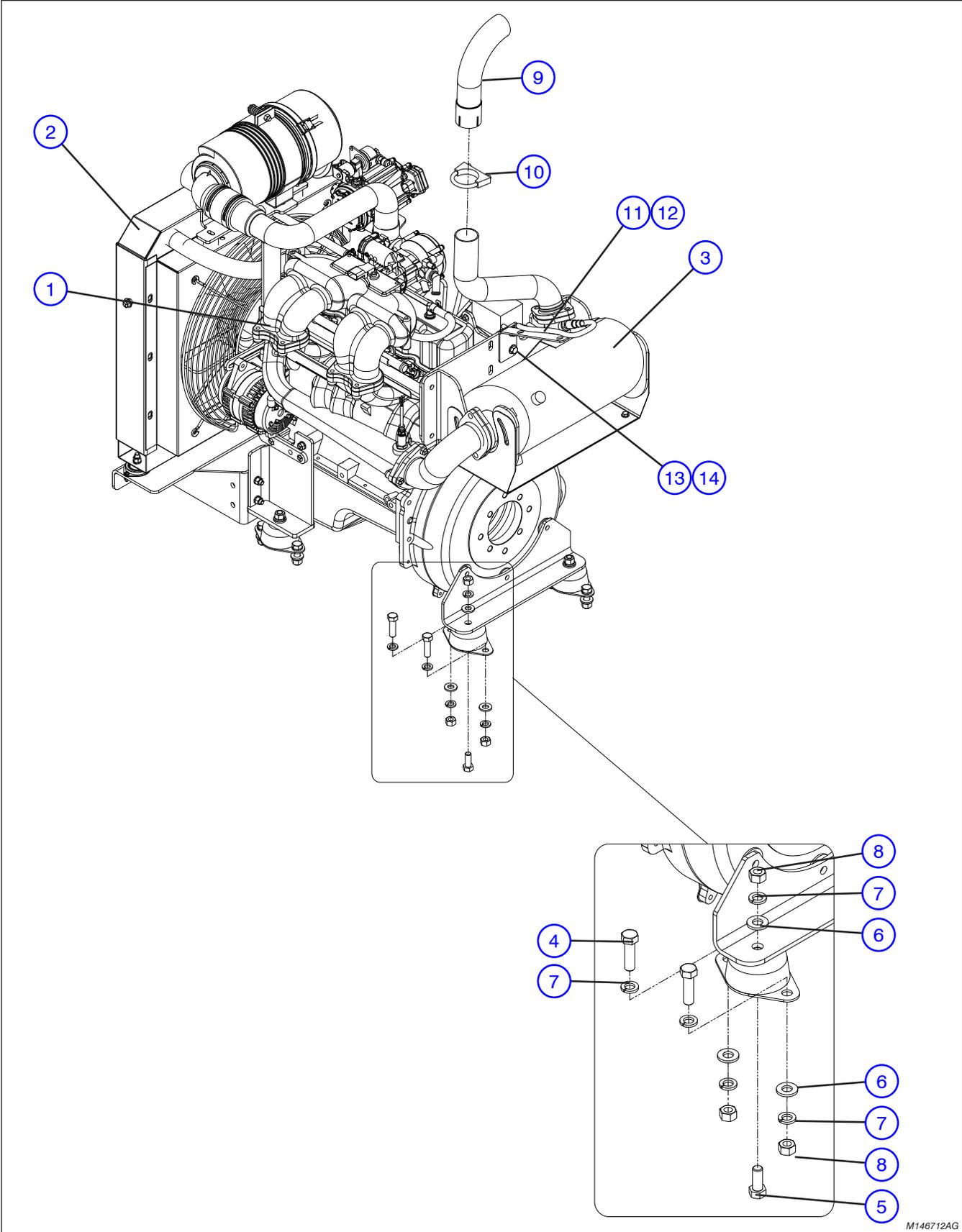


M146712AG

Index No.	Skyjack Part No.	Qty.	Description	
1	158233	1	ENGINE, Dual fuel	
	157623	1	• PUMP, Fuel	
	142301	1	• FILTER, Fuel	
	142303	1	• MANIFOLD, Fuel	
	147120	1	• FILTER, Oil	
	147121	1	• PLUGS, Spark	
	147122	1	• SWITCH, Pressure	
	157624	1	• VALVE, Oil Drain	
	157625	1	• STARTER	
	147184	1	• BELT	
	147185	1	• ALTERNATOR	
	147186	1	• BODY, Throttle	
	157626	1	• VALVE, Lock off	
	159093	1	• SENSOR, Oxygen	
	159092	1	• REGULATOR	
	157627	1	• MIXER	
	147191	1	• SENSOR, T Map	
	147192	1	• WIRE SET, Spark plug	
	147194	1	• BOTTLE, Over flow	
	147195	1	• FILTER, Air cleaner assembly	
	751678	1	• • ELEMENT, Outer air filter	
	751677	1	• • ELEMENT, Inner air filter	
	194250	1	• EPR, Programmed	
	152212	1	• HEAT SHIELD, Fuel Rail	
	2	151773	1	• RADIATOR ASSEMBLY
		151774	1	• • RADIATOR (3.0L)
		151771	1	• • HOSE, Upper
		152177	1	• • HOSE, Lower (with spring)
		152178	2	• • CLAMP, Hose (S-28, 2")
		152179	2	• • ISOLATOR (TPC62372)
		152180	2	• • CLAMP, Hose (S-20, 1.5")
		142323	2	• • ISOLATOR, Radiator
		152181	1	• • SUPPORT, Radiator (3.0L)
		152182	1	• • MOUNT, Radiator upper (3.0L)
		152183	6	• • BOLT, Hex head (5/16"-18 x 0.75" Grade 5)
		101297	4	• • BOLT, Hex head (3/8"-16 x 1.25" Grade 5)
		103596	2	• • BOLT, Hex head (3/8"-16 x 2.00" Grade 5)
		103404	6	• • WASHER, Lock (5/16")
		103996	6	• • WASHER, Flat (5/16")
		103999	4	• • WASHER, Lock (3/8")
		103472	8	• • WASHER, Flat (3/8")
		104694	4	• • WASHER, Flat (#10)
		104185	4	• • WASHER, Lock (#10)
		103978	4	• • NUT (3/8"-16)
		152184	2	• • NUT, Lock with plastic insert (3/8"-16)
		104003	4	• • NUT, Hex head (#10-32)
		152185	4	• • SCREW, Slot head (#10-32 x 0.75")

Parts list continued on the following page.

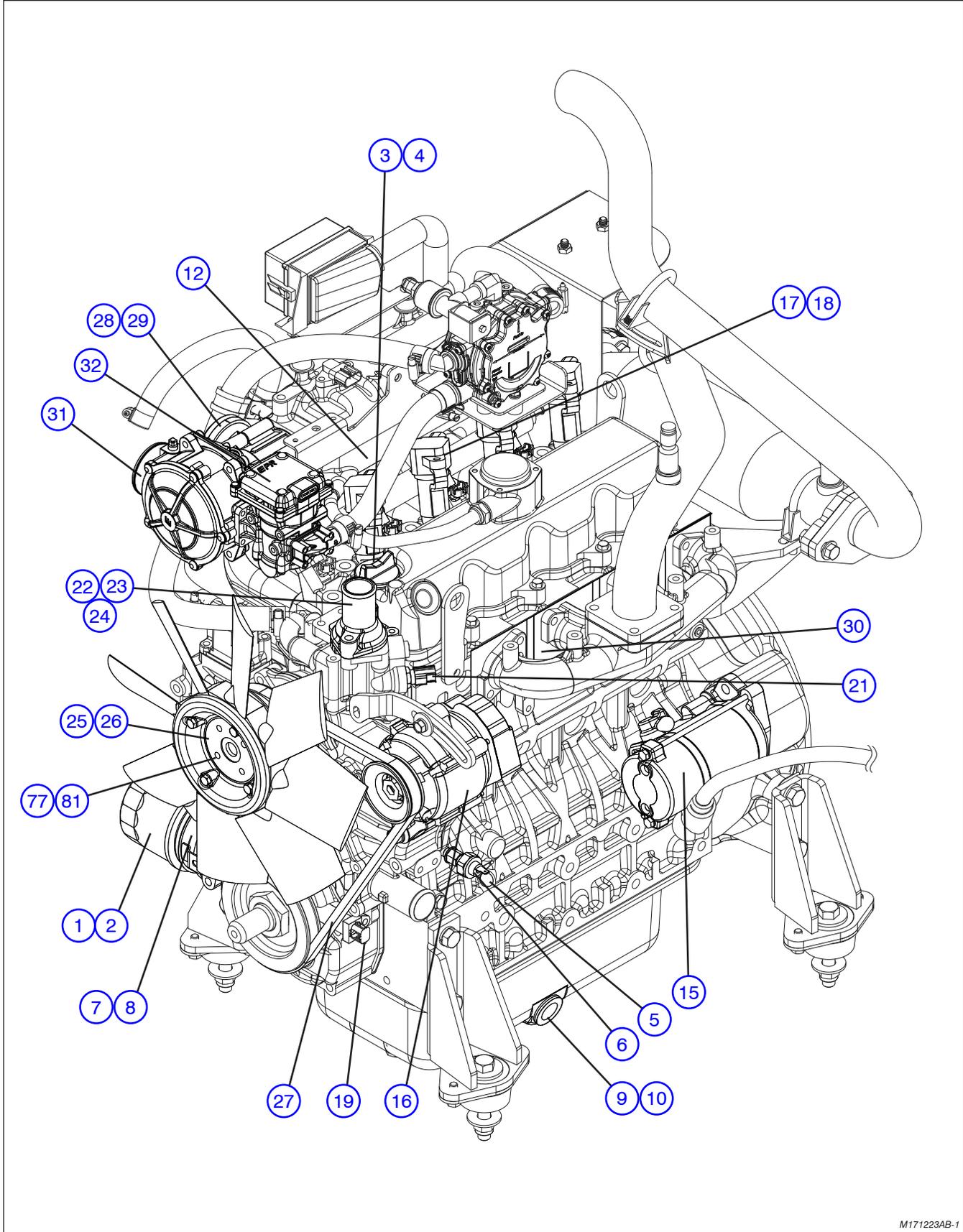
7.4 Engine Assembly - GM Dual Fuel (continued)



M146712AG

7.4 Engine Assembly - GM Dual Fuel (continued)

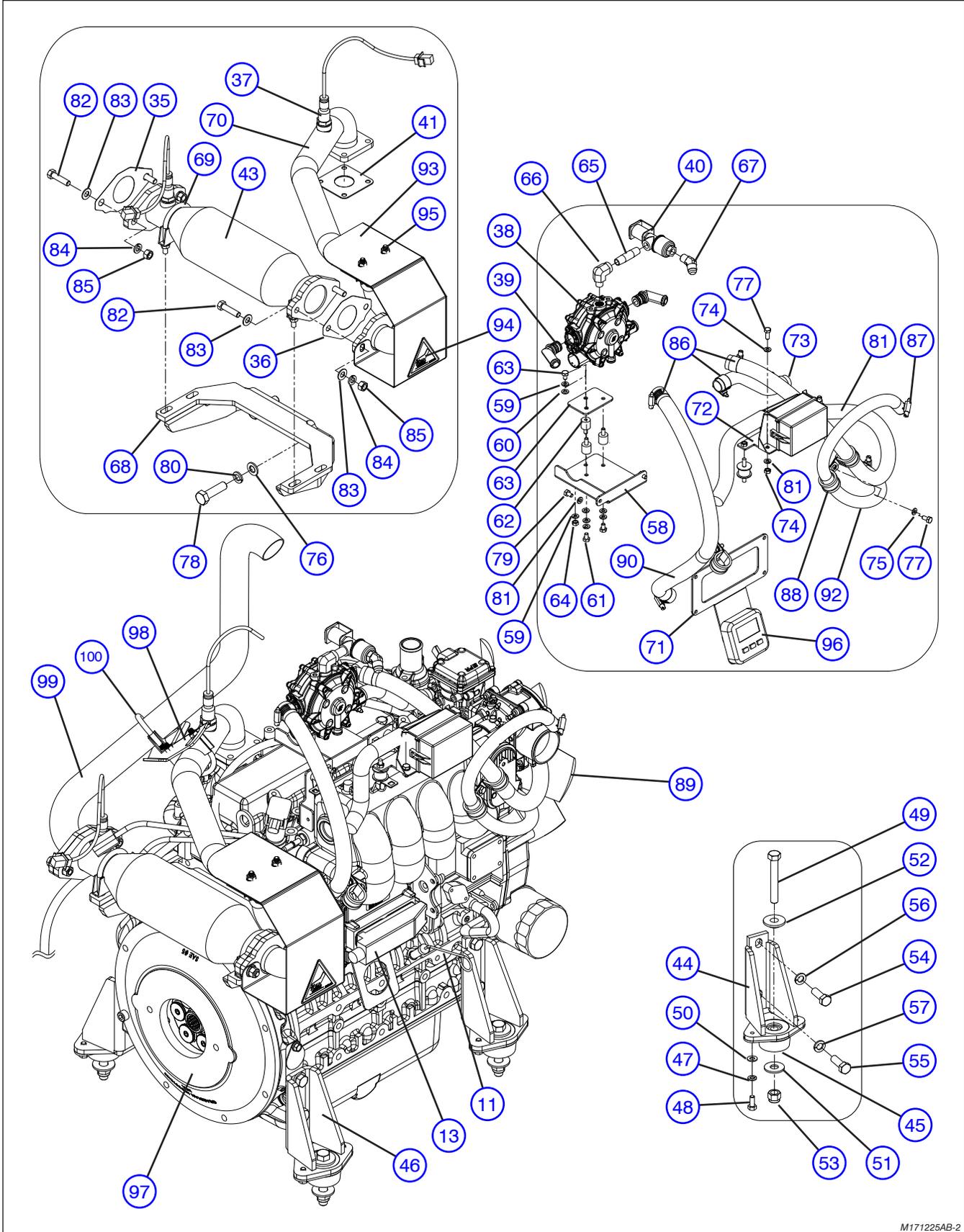
Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
	152186	2	• • NUT, Rivet (5/16"-18)
	152187	1	• • STICKER, Radiator PGS
3	159094	1	• CATALYST MUFFLER ASSEMBLY
	152189	1	• • FLANGE, Exhaust
	152190	1	• • GASKET, Exhaust
	159091	1	• • MUFFLER, Catalyst (3.0L)
	152192	1	• • FLANGE, Hi-temp exhaust (2.5"OD)
	152193	1	• • FLANGE, Hi-temp exhaust (2.0"OD)
	152194	1	• • SEAL, Hi-temp exhaust (2.5"OD)
	152195	1	• • SEAL, Hi-temp exhaust (2"ID)
	152196	1	• • BRACKET, Catalyst muffler
	152197	2	• • BRACKET, Side Catalyst muffler
	152198	1	• • TUBE, Exhaust
	152214	1	• • PIPE, Tail
	103473	6	• • BOLT, Hex head (3/8"-16 x 1" Grade 5)
	101297	6	• • BOLT, Hex head (3/8"-16 x 1 1/4" Grade 5)
	103870	8	• • BOLT, Hex head (3/8"-16 x 1 1/2" Grade 5)
	103999	12	• • WASHER, Lock (3/8")
	103472	19	• • WASHER, Flat (3/8")
	152200	10	• • WASHER, Flat (3/8", USS)
	103978	10	• • NUT (3/8"-16)
4	103906	8	BOLT, Hex head (1/2"-13 x 1 3/4" Grade 5)
5	103909	4	BOLT, Hex head (1/2"-13 x 1 1/2" Grade 5)
6	104379	12	WASHER, Flat hardened (1/2")
7	103470	20	WASHER, Lock (1/2", Grade 5)
8	103471	12	NUT, Hex head (1/2"-13 Grade 5)
9	153962	1	PIPE, Exhaust (2")
10	148377	1	CLAMP, Exhaust pipe (2")
11	165916	1	BRACKET, Engine wire protector
12	165603	1	SLEEVE, Thermal protection
13	101297	2	BOLT, Hex head (3/8"-16 x 1.25", Grade 5)
14	103472	2	WASHER, Flat (#/8")



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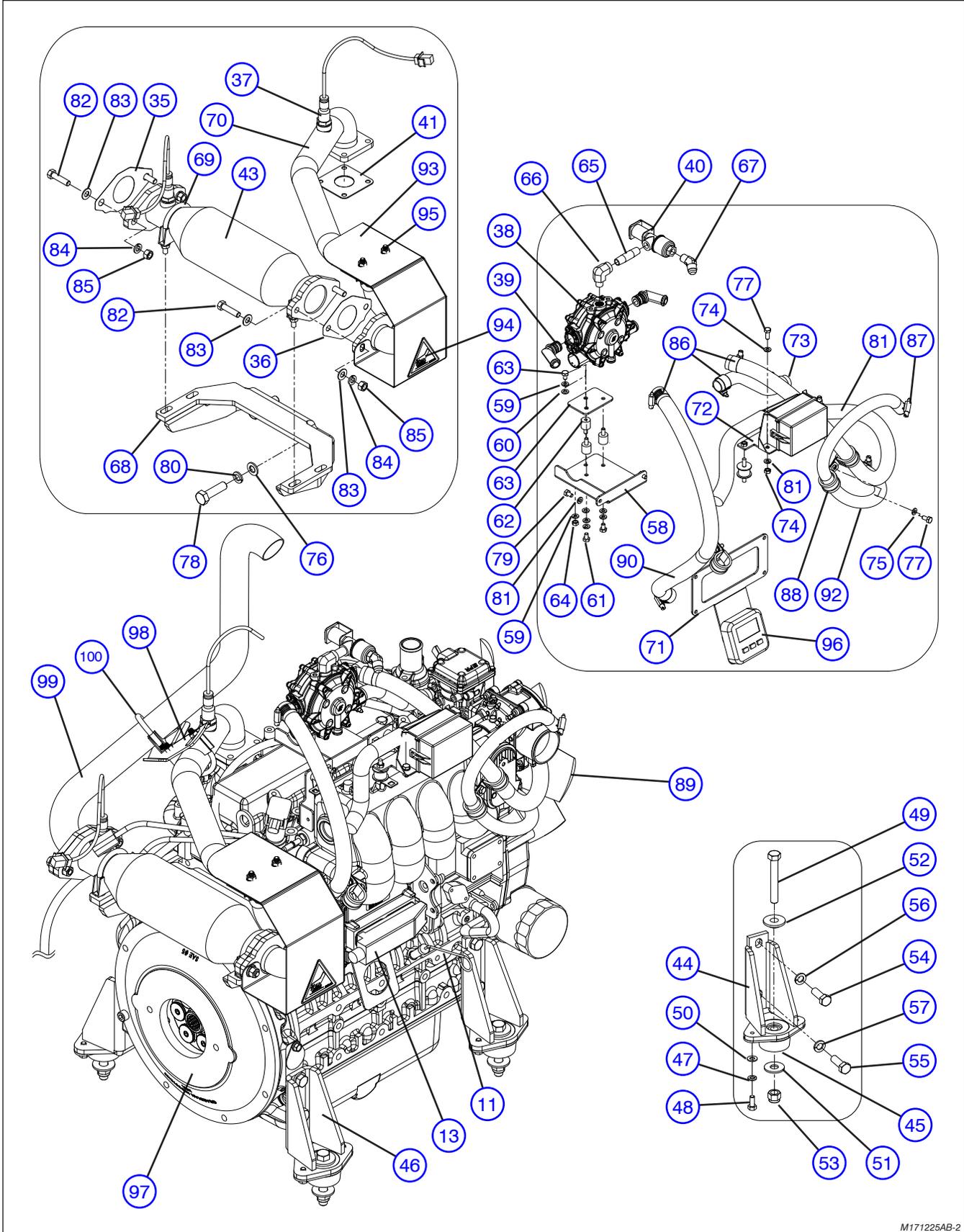
Index No.	Skyjack Part No.	Qty.	Description
-	171225	-	ENGINE ASSEMBLY - Kubota WG2503 (ANSI/CSA)
-	168381	1	• ENGINE, Dual fuel - Kubota
-	171261	1	• • ENGINE, Kubota WG2503
1	194642	1	• • • FILTER, Oil
2	194643	1	• • • CARTRIDGE, Oil filter
3	164644	1	• • • CAP, Oil fill
4	194645	1	• • • O-RING, Oil 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

Parts list continued on the following page.



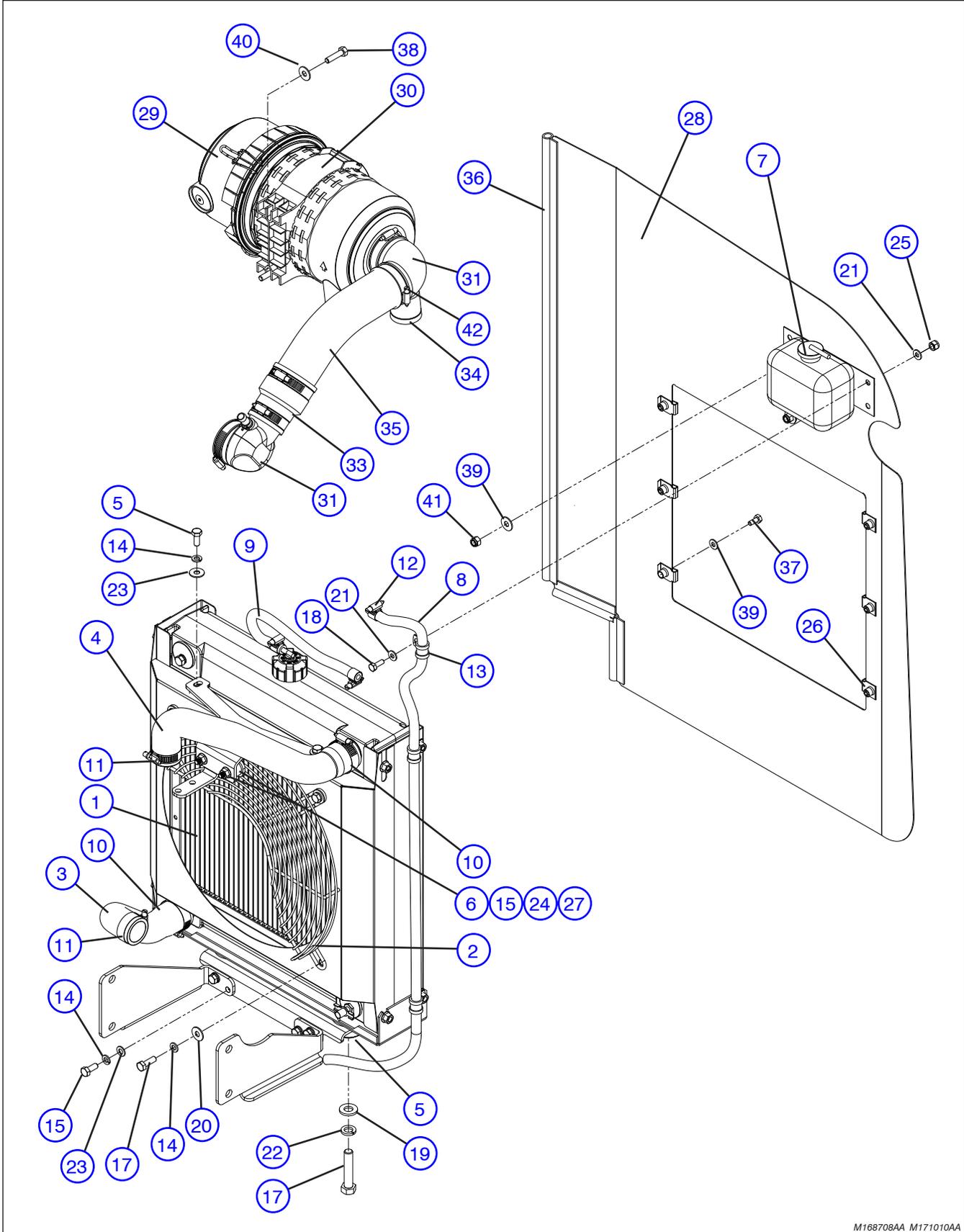
M171225AB-2

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
-	171262	1	• • KIT, Engine - Kubota WG2503
33	164881	1	• • • PUMP, Fuel (not shown) (For components, refer to Section 8.9)
34	164883	1	• • • MANIFOLD, Fuel pressure (not shown) (For components, refer to Section 8.9)
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 Section 8.9)
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
-	168711	1	• • VAPORIZER, WG2503
58	169595	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
			Parts list continued on the following page.



M171225AB-2

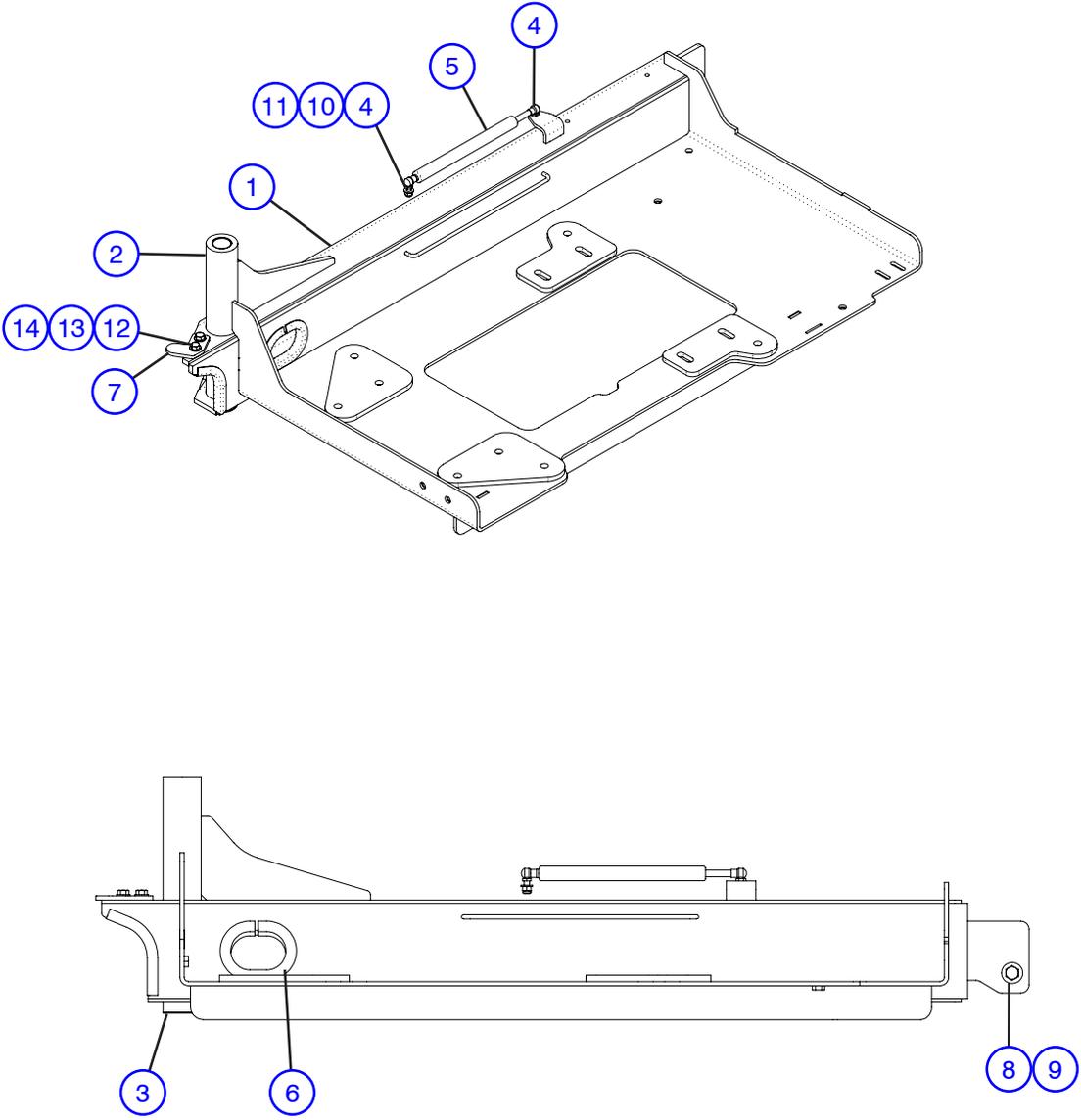
Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
72	170435	1	• • PLATE, Fuse box
73	165930	9"	• • HOSE, Vapour (0.75")
74	800354	2	• • NUT, Hex head (M6-1.00)
75	933834	4	• • WASHER, Flat (M6)
76	600426	2	• • WASHER, Flat (M12)
77	104608	8	• • BOLT, Hex head (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	(Ref.)	1	• BELL HOUSING (For components, refer to Section 7.10)
98	171222	1	• BRACKET, Tail pipe
99	171070	1	• PIPE, Tail
100	102287	2	• CLAMP, U-bolt (1.75" x 2.875")
			Parts list continued on the following page.



M168708AA_M171010AA

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 (0.025")
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)
-	171010	1	AIR INTAKE ASSEMBLY
28	171004	1	• BAFFLE, Kubota
29	163242	1	• CLEANER, Air - EP200
	165947	1	• • ELEMENT, Primary
	165948	1	• • ELEMENT, Secondary
30	169773	1	• BRACKET, Air cleaner
31	163247	1	• CONNECTOR, 90° service
32	168990	1	• TUBE, Side port
33	163508	1	• COUPLING, Flex (1.75"-2.50")
34	163250	1	• INDICATOR, Service
35	167809	1	• TUBE, Air intake
36	137625	41"	• TRIM, Rubber
37	103892	6	• BOLT, Hex head (0.25"-20 x 0.625" gr 5)
38	112532	2	• BOLT, Hex head (0.312"-18 x 1.25" gr 5)
39	103995	6	• WASHER, Flat (0.25")
40	166164	4	• WASHER, Flat (0.312" USS)
41	103984	2	• NUT, Hex head nylon lock (0.313"-18 gr 5)
42	121869	2	• CLAMP, Hose (2.50")

7.7 Engine Tray Assembly

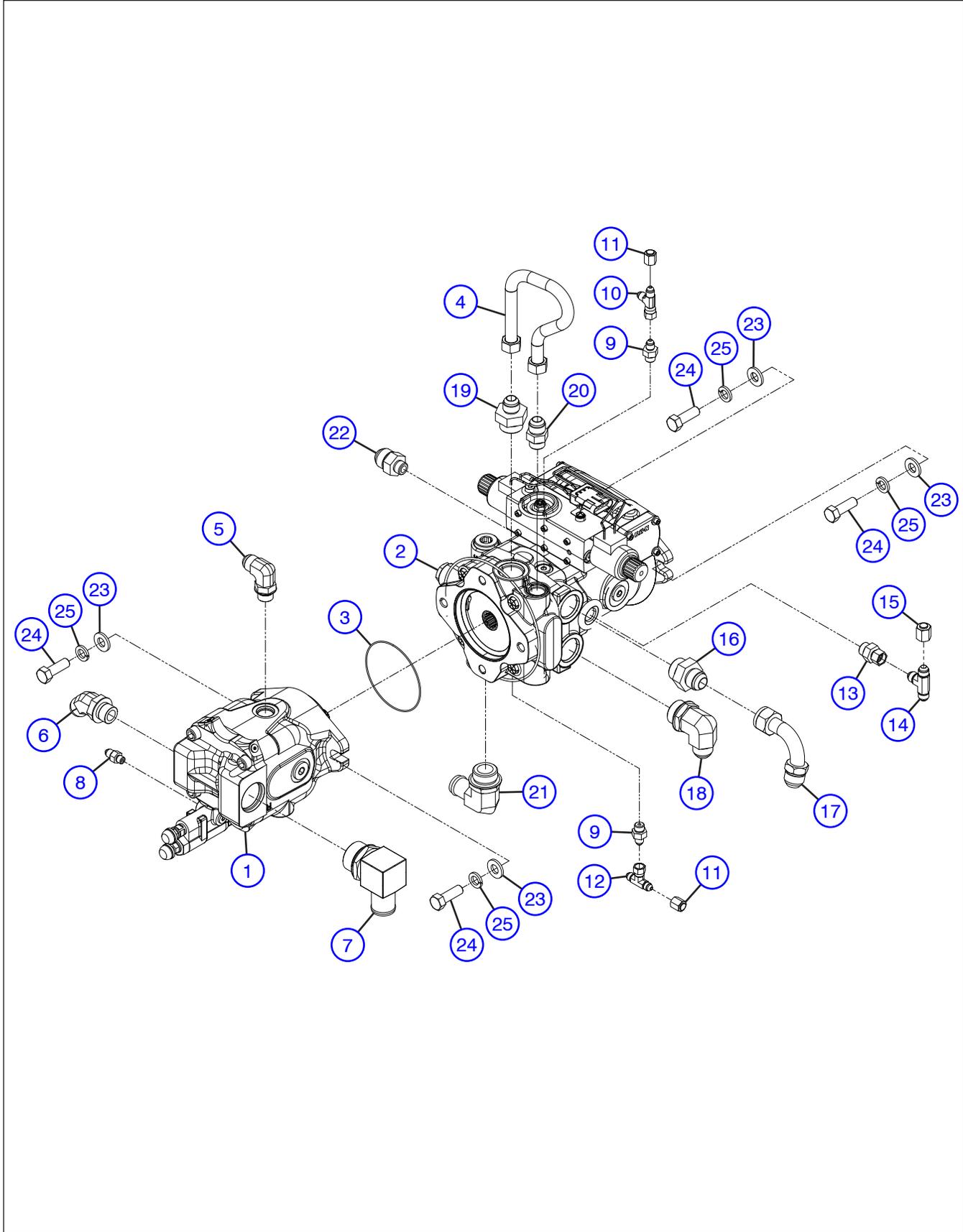


M165666AA

7.7 Engine Tray Assembly

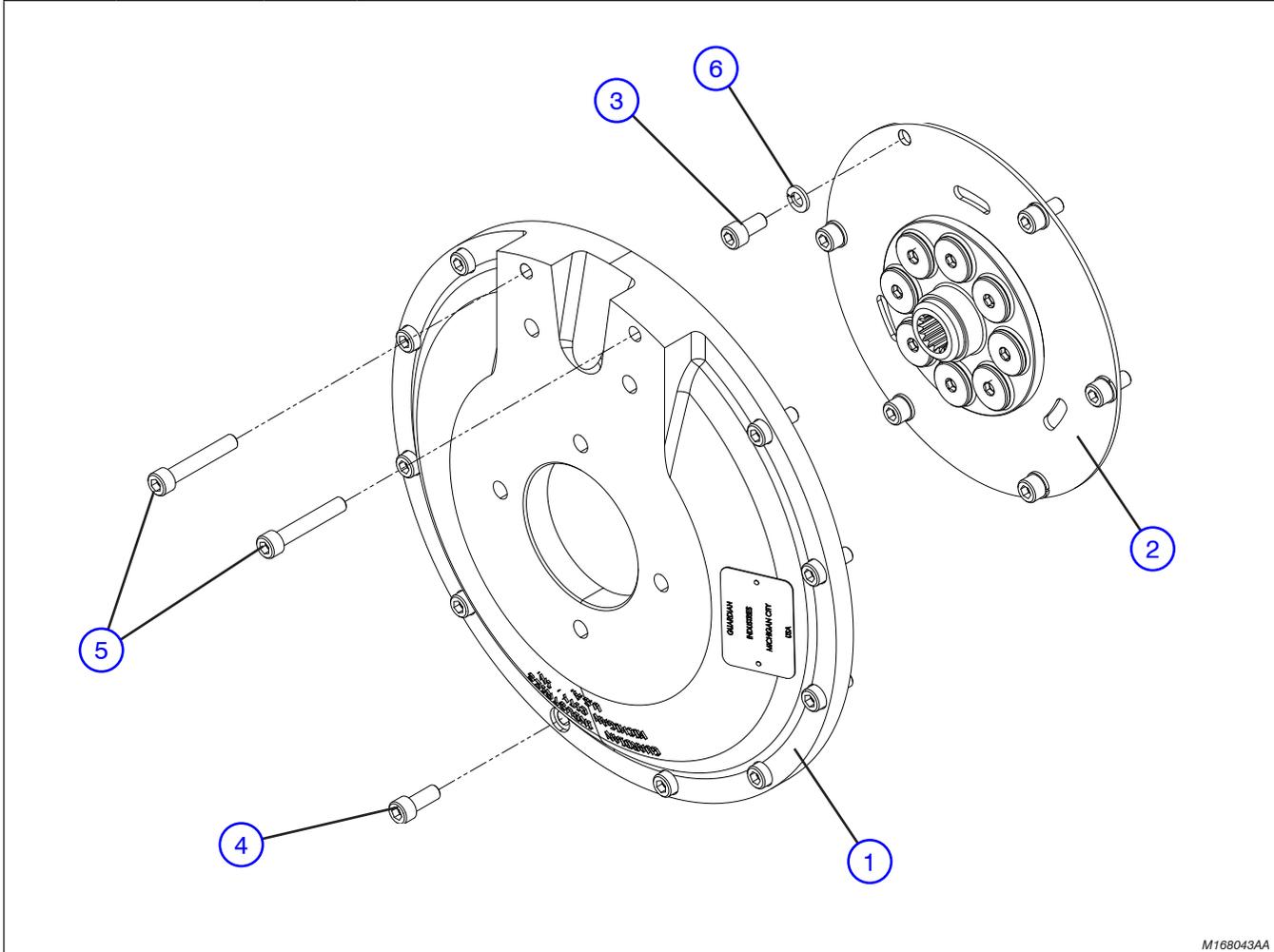
Index No.	Skyjack Part No.	Qty.	Description
-	165666	1	ENGINE TRAY ASSEMBLY
1	164542	1	• WELDMENT, Tray
2	100071	2	• BUSHING, Fiberglide
3	121703	1	• THRUST WASHER, Fiberglide
4	146903	2	• STUD, Ball (10mm)
5	146902	1	• GAS SPRING
6	119922	24.5"	• TRIM, Protective (1/4"-1/2", Bulk)
7	167256	1	• STOP, Engine tray
8	103468	1	• WASHER, Flat (1/2")
9	103911	1	• BOLT, Hex head (1/2"-13 x 1" Grade 5)
10	103996	2	• WASHER, Flat (5/16")
11	103984	2	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
12	103472	4	• WASHER, Flat (3/8")
13	103870	2	• BOLT, Hex head (3/8"-16 x 1 1/2" Grade 5)
14	104606	2	• NUT, Hex lock (3/8"-16 Grade 5, nylon)

7.8 Drive and System Pump Assembly



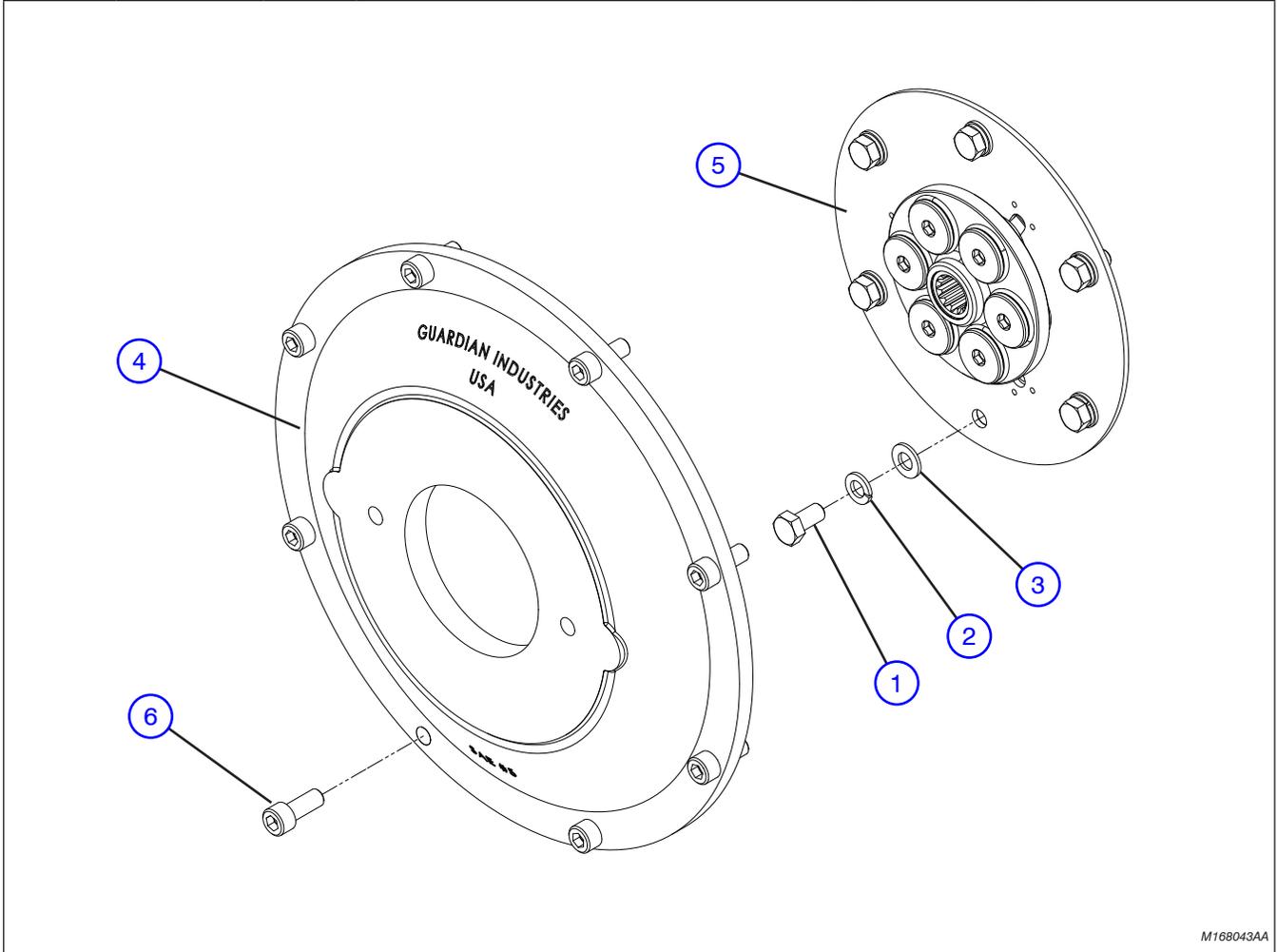
Index No.	Skyjack Part No.	Qty.	Description
-	162661	-	DRIVE AND SYSTEM PUMP ASSEMBLY
1	163595	1	• PUMP, System
2	169006	1	• PUMP, Drive (for serial number 97 001 472 & above) - A
	154119	1	• PUMP, Drive (for serial number 97 001 471 & below) - B
	170926	1	• • SHIM
	170952	1	• • O-RING
	170953	1	• • SPRING
	170954	1	• • PLUG
	170955	1	• • POPPET
3	159878	1	• O-RING, 2-045
4	159875	1	• TUBE, Pump, B
5	135091	1	• FITTING, Elbow, 90° (10 JICM - 10 ORBM)
6	131707	1	• FITTING, Elbow, 45° (12 JICM - 12 ORBM)
7	162869	1	• FITTING, Elbow, 90° (20 BEAD - 20 ORBM)
8	126128	1	• FITTING, Straight (04 JICM - 04 ORBM)
9	701956	2	• FITTING, Straight (04 JICM - 06 ORBM)
10	707917	1	• FITTING, Tee (04 JICM - 04 JICM - 04 JICFS)
11	131286	2	• FITTING, Cap (04 JICF)
12	160792	1	• FITTING, Tee (04 JICFS - 04 JICFS - 04 JICM)
13	162043	1	• FITTING, Straight (08 ORBM - 06 JICFS)
14	131704	1	• FITTING, Tee (06 JICM)
15	107666	1	• FITTING, Cap (06 JICF)
16	702122	1	• FITTING, Straight (12 JICM - 16 ORBM)
17	139159	1	• FITTING, 90° (12JICM - 12JICF SW)
18	710124	1	• FITTING, Elbow, 90° (12 JICM - 16 ORBM)
19	160801	1	• FITTING, Straight (10 JICM - 16 ORBM), B
20	137630	1	• FITTING, Straight (10 JICM - 10 ORBM), B
21	138983	1	• FITTING, Elbow, 90° (16 BEAD - 16 ORBM)
22	702118	1	• FITTING, Straight (12 JICM - 12 ORBM), A
	144279	1	• FITTING, Straight (08 ORBM - 12 JICM), B
23	104379	4	• WASHER, Flat hardened (1/2")
24	103907	4	• BOLT, Hex head (1/2"-13 x 1 1/2" Grade 5)
25	103470	4	• WASHER, Lock (1/2" Grade 5)
K1	160637	1	SEAL KIT, Drive Pump
K2	160638	1	SEAL KIT, System Pump

7.9 Engine Coupling - Deutz



M168043AA

Index No.	Skyjack Part No.	Qty.	Description
-	168043	1	ENGINE COUPLING ASSEMBLY - Deutz D2011 and TD2.9L
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)

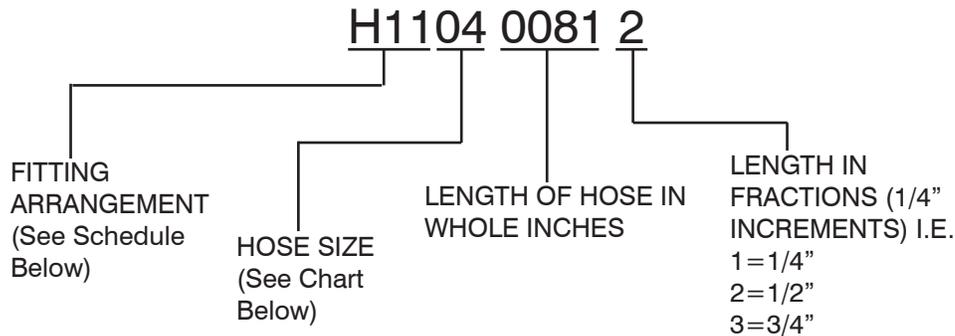


M168043AA

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)

- 8.1 *Standard Hose Numbering System*
- 8.2 *Hydraulic Hose Connection - Cylinders*
- 8.3 *Hydraulic Hose Connection - Control Compartment*
- 8.4 *Hydraulic Hose Connection - Pumps & Swing Drive*
- 8.5 *Hydraulic Hose Connection - Base and Axles*
- 8.6 *Fuel Line Hose Connection - Deutz TD2.9L Engine*
- 8.7 *Fuel Line Hose Connection - Deutz D2011 Engine*
- 8.8 *Fuel Line Hose Connection - GM Engine*
- 8.9 *Turret Grease Hose Connections*

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. A medium length 90° JIC, female swivel fitting for the other end. The Hose must meet or exceed 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

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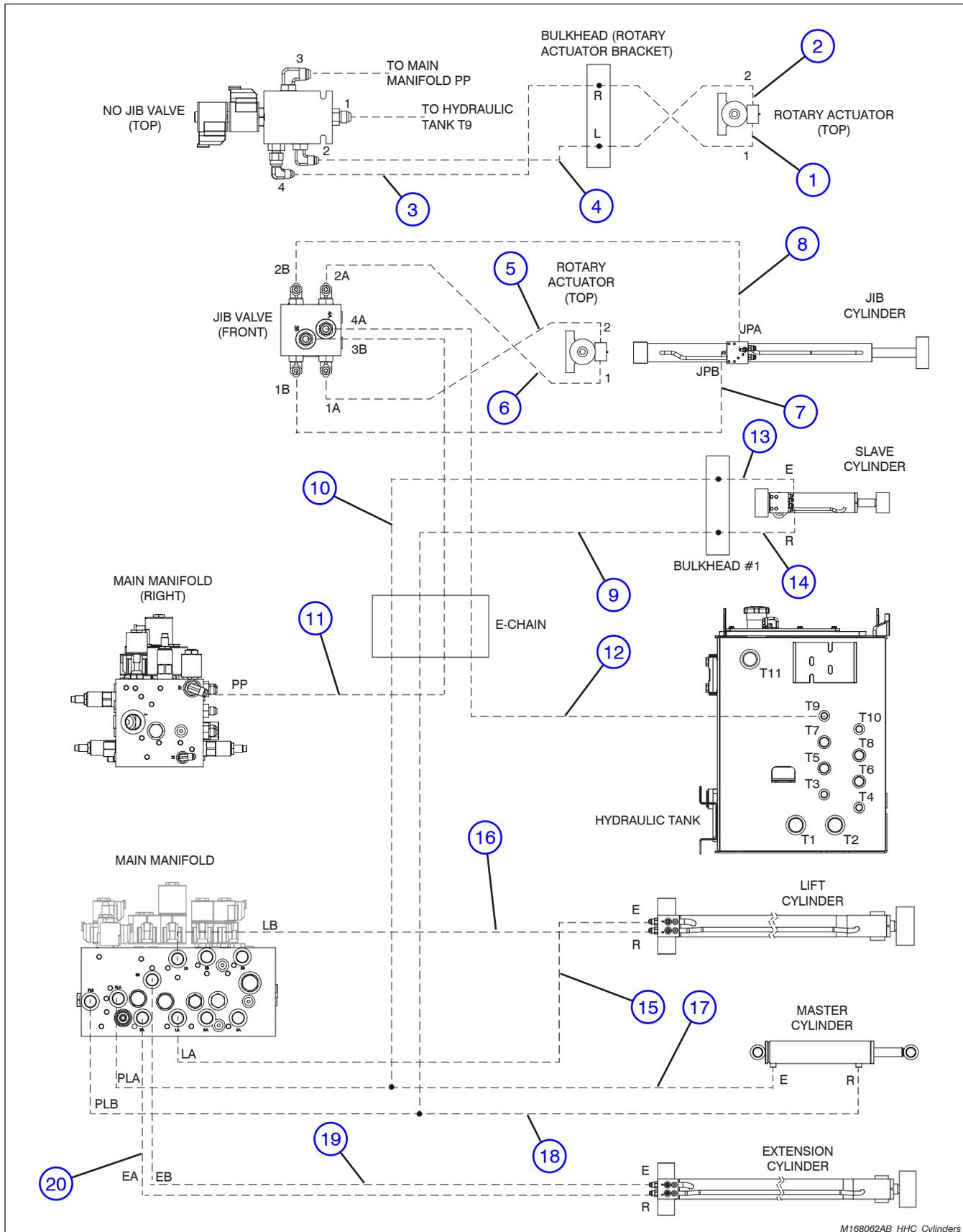
8.1 Standard Hose Numbering System

Fitting Arrangement Schedule (Continued from the previous page)

HOSE PREFIX	HOSE END FITTING	HOSE END FITTING	S.A.E. HOSE SPECIFICATION
H16	NO FITTING	NO FITTING	100R4
H17	NO FITTING	NO FITTING	300 PSI
H18	REUSABLE, FEMALE, 37° JIC, SWIVEL	NO FITTING	300 PSI
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
H26	SHORT 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H27	LONG 90°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H28	FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
H29	SHORT 45°, FEMALE, 37° JIC, SWIVEL	FEMALE, 37° JIC, SWIVEL	100R17
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

8.2 Hydraulic Hose Connection - Cylinders

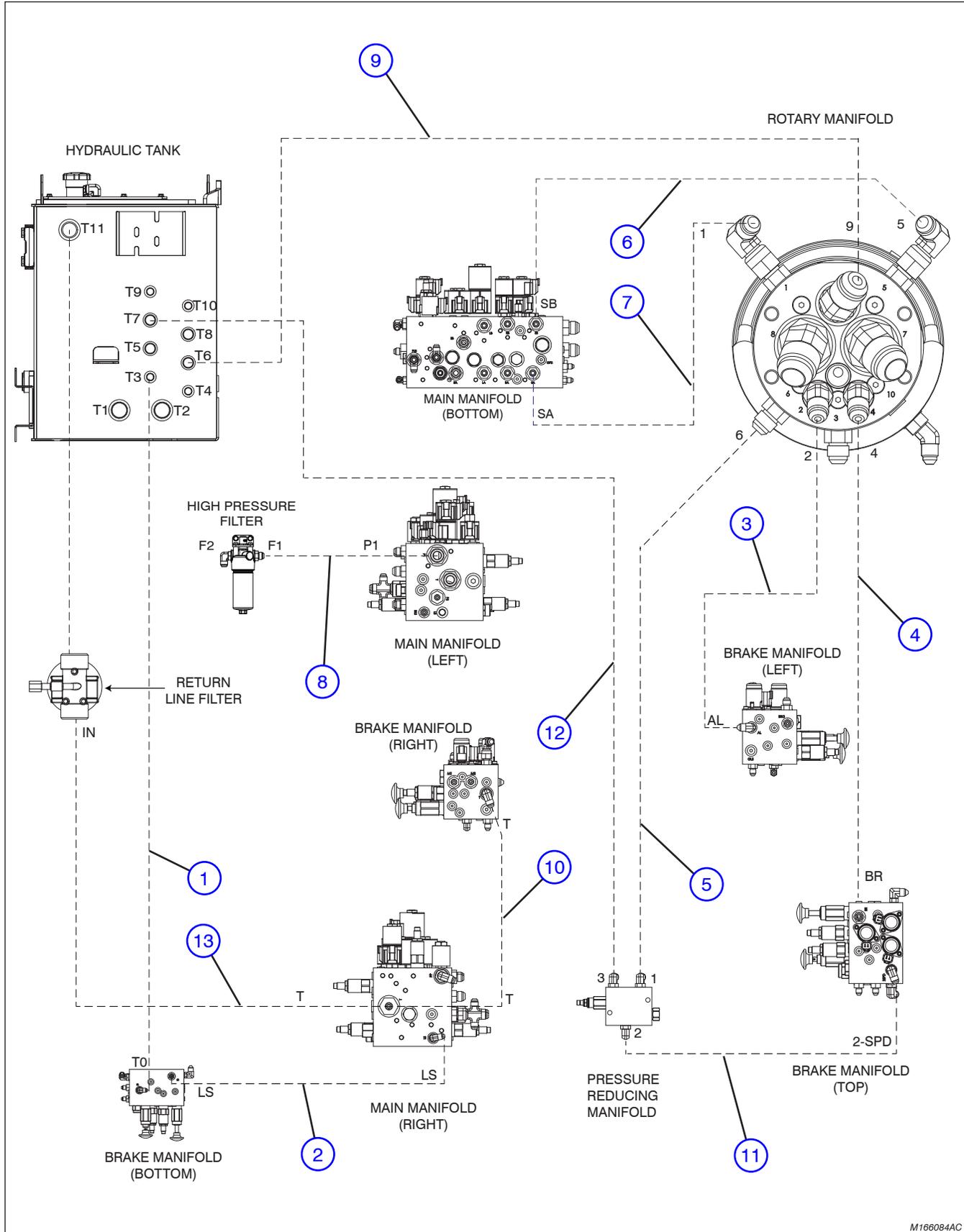
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M168062AB_HHC_Cylinders

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
	147388	NO JIB HOSE KIT (61T)			
1	H0604 0012 0	Rotary Actuator	1	R	Bulkhead (Actuator Bracket)
2	H0604 0012 0	Rotary Actuator	2	L	Bulkhead (Actuator Bracket)
3	H0304 0032 0	Platform Rotate Manifold	4	R	Bulkhead (Actuator Bracket)
4	H0304 0036 0	Platform Rotate Manifold	2	L	Bulkhead (Actuator Bracket)
	166095	JIB HOSE KIT (66T)			
5	H3404 0102 0	Rotary Actuator	2	1A	Jib/Platform Rotate Manifold
6	H3404 0112 0	Rotary Actuator	1	2A	Jib/Platform Rotate Manifold
7	H3101 0090 0	Jib Cylinder	JPB	1B	Jib/Platform Rotate Manifold
8	H3104 0090 0	Jib Cylinder	JPA	2B	Jib/Platform Rotate Manifold
	164714	BOOM HOSE KIT			
9	H3106 0808 0	Slave Cylinder	R	PLA	Main Manifold
10	H3106 0808 0	Slave Cylinder	E	PLB	Main Manifold
11	H3106 0808 0	Jib Manifold	3B	PP	Main Manifold
12	H3106 0828 0	Jib Manifold	4A	T9	Hydraulic Tank
	-	SLAVE CYLINDER			
13	H0306 0025 0	Bulkhead (Fly Boom)	-	E	Slave Cylinder
14	H0306 0025 0	Bulkhead (Fly Boom)	-	R	Slave Cylinder
	166084	TURRET HOSE KIT (kit also includes hoses from 8.3 and 8.4)			
15	H3406 0049 0	Main Manifold	LA	E	Lift Cylinder
16	H3406 0049 0	Main Manifold	LB	R	Lift Cylinder
17	H3406 0064 0	Main Manifold	PLA	E	Master Cylinder
18	H3406 0111 0	Main Manifold	PLB	R	Master Cylinder
19	H3108 0165 0	Main Manifold	EB	E	Extend Cylinder
20	H3108 0165 0	Main Manifold	EA	R	Extend Cylinder

8.3 Hydraulic Hose Connection - Control Compartment

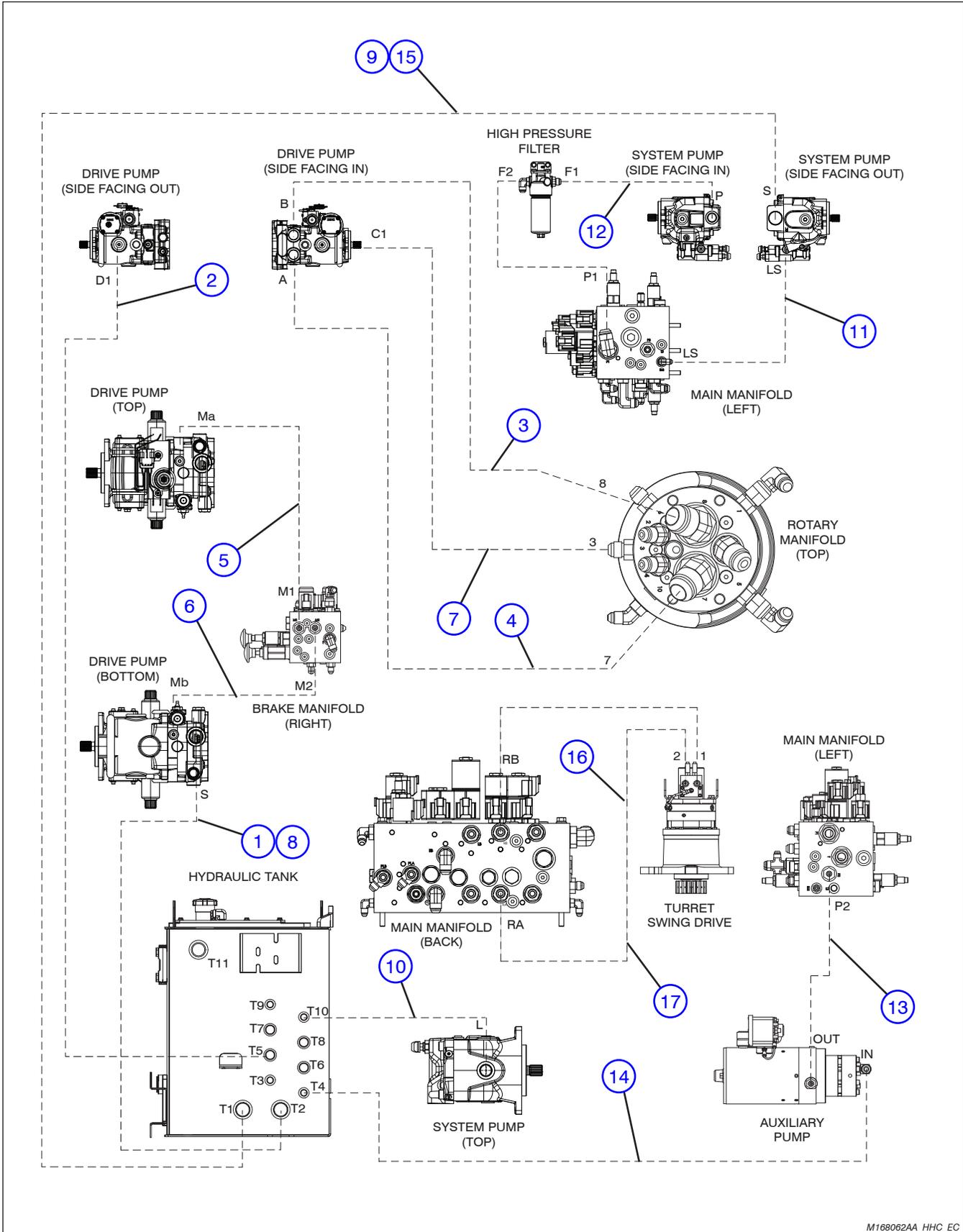


M166084AC

8.3 Hydraulic Hose Connection - Control Compartment

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
	166084	TURRET HOSE KIT (kit also includes hoses from 8.2 and 8.4)			
1	H5404 0016 0	Brake Manifold	T0	T3	Hydraulic Tank
2	H5404 0010 0	Brake Manifold	LS	LS	Main Manifold
3	H5106 0057 0	Brake Manifold	AL	2	Rotary Manifold
4	H5406 0062 0	Brake Manifold	BR	4	Rotary Manifold
5	H5106 0042 0	Pressure Reducing Manifold	1	6	Rotary Manifold
6	H5206 0052 0	Main Manifold	SB	5	Rotary Manifold
7	H5206 0052 0	Main Manifold	SA	1	Rotary Manifold
8	H5412 0022 0	Main Manifold	P1	F2	Pressure Filter
9	H3610 0056 0	Rotary Manifold	9	T6	Hydraulic Tank
10	H5406 0034 0	Brake Manifold	T	T	Main Manifold
11	H5206 0023 0	Brake Manifold	2SPD	2	Pressure Reducing Manifold
12	H5106 0030 0	Pressure Reducing Manifold	3	T7	Hydraulic Tank
	166341	NO GENERATOR/OIL COOLER HOSE KIT			
13	H5612 0019 0	Main Manifold	T	P2	Return Filter

8.4 Hydraulic Hose Connection - Pumps & Swing Drive

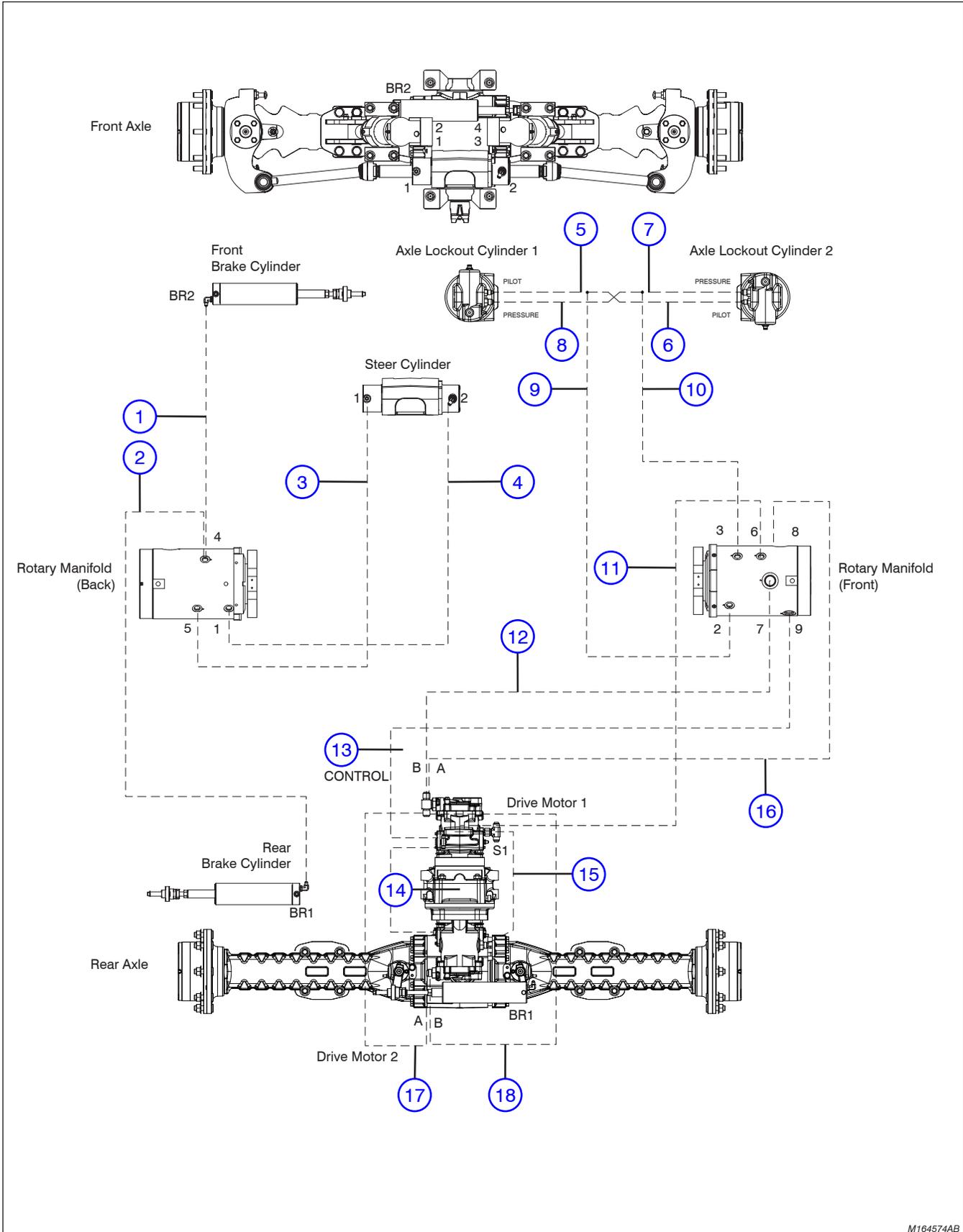


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8.4 Hydraulic Hose Connection - Pumps & Swing Drive

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
	164658	DRIVE PUMP HOSE KIT			
1	H1616 0053 0	Drive Pump (Suction)	S	T2	Hydraulic Tank
2	H3412 0063 0	Drive Pump	D1	T5	Hydraulic Tank
3	H1912 0051 0	Drive Pump	B	8	Rotary Manifold
4	H1112 0056 0	Drive Pump	A	7	Rotary Manifold
5	H4004 0061 0	Drive Pump	Ma	M1	Brake Manifold
6	H4004 0054 0	Drive Pump	Mb	M2	Brake Manifold
7	H3106 0063 0	Drive Pump	C1	3	Rotary Manifold
8	139177	Hose Clamp (33-37)			
	164659	SYSTEM PUMP HOSE KIT			
9	H1620 0073 0	System Pump (Suction)	S	T1	Hydraulic Tank
10	H3210 0062 0	System Pump (Case Drain)	L	T10	Hydraulic Tank
11	H0104 0048 0	Sytem Pump	LS	LS	Main Manifold
12	H3412 0060 0	System Pump	P	F1	Pressure Filter
13	H5404 0020 0	Auxiliary Pump	OUT	P2	Main Manifold
14	H5108 0031 0	Auxiliary Pump	IN	T4	Hydraulic Tank
15	114326	Hose Clamp (40-43)			
	166084	TURRET HOSE KIT (kit also includes hoses from 8.2 and 8.3)			
16	H3406 0064 0	Main Manifold	RB	1	Swing Drive
17	H3406 0064 0	Main Manifold	RA	2	Swing Drive

8.5 Hydraulic Hose Connection - Base and Axles

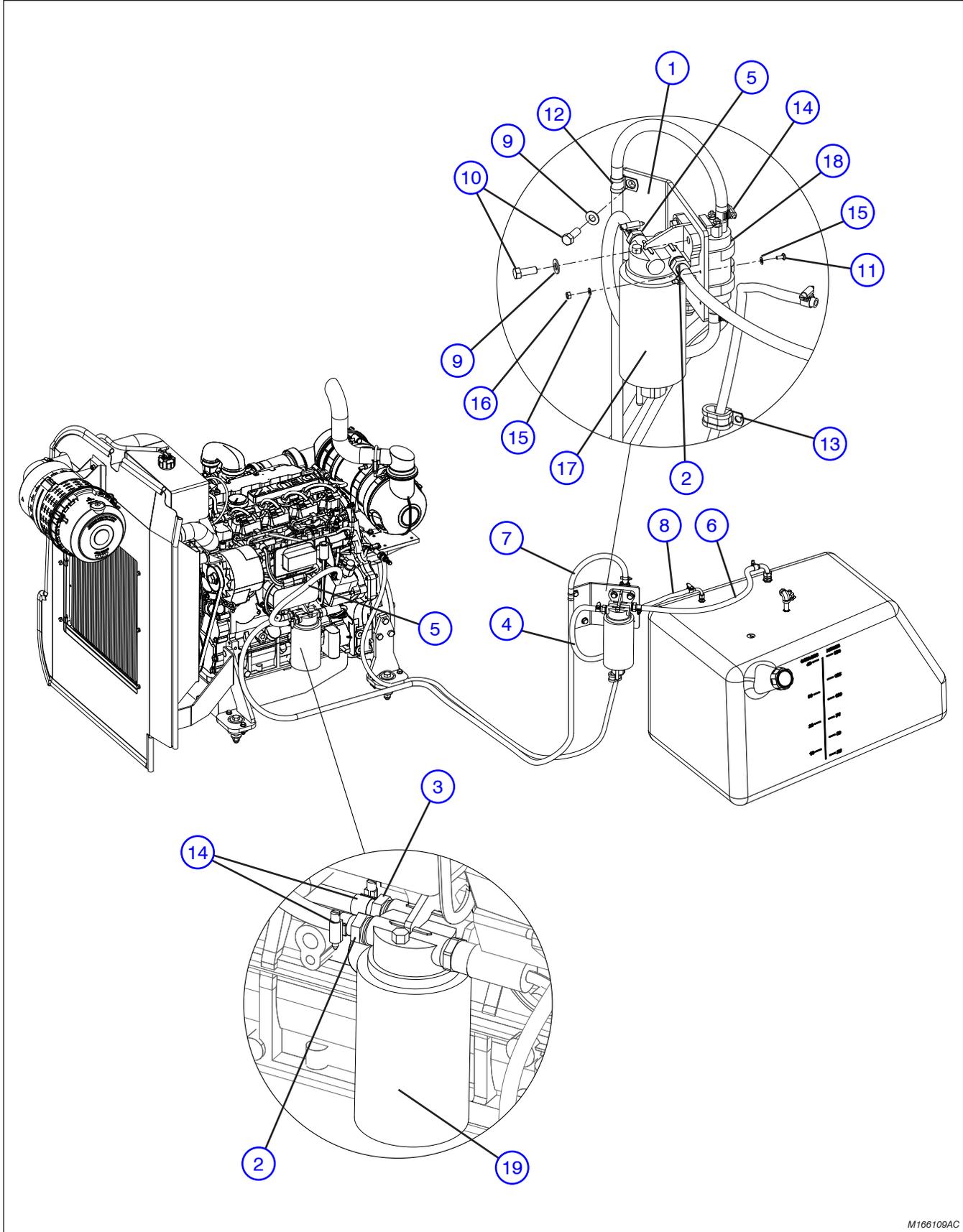


M164574AB

8.5 Hydraulic Hose Connection - Base and Axles

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
	164574	CHASSIS HOSE KIT			
1	H5404 0057 0	Front Brake Cylinder	BR2	4	Rotary Manifold
2	H5204 0058 0	Rear Brake Cylinder	BR1	4	Rotary Manifold
3	H5404 0046 0	Steer Cylinder	1	5	Rotary Manifold
4	H5404 0046 0	Steer Cylinder	2	1	Rotary Manifold
5	H5104 0018 0	Axle Lock Cylinder 1 Pilot	-	-	Axle Lock Pilot Tee
6	H5104 0018 0	Axle Lock Cylinder 2 Pilot	-	-	Axle Lock Pilot Tee
7	H5106 0018 0	Axle Lock Cylinder 1 Pressure	-	-	Axle Lock Pressure Tee
8	H5106 0018 0	Axle Lock Cylinder 1 Pressure	-	-	Axle Lock Pressure Tee
9	H5104 0056 0	Axle Lock Pilot Tee	-	2	Rotary Manifold
10	H5104 0056 0	Axle Lock Pressure Teeo	-	3	Rotary Manifold
11	H5206 0027 0	Rotary Manifold	6	S1	Drive Motor 1
12	H0212 0023 0	Rotary Manifold	7	B	Drive Motor 1
13	H5110 0028 0	Rotary Manifold	9	CTRL	Drive Motor 1
14	H5410 0017 0	Drive Motor 1	CTRL	CTRL	Drive Motor 2
15	H5406 0021 0	Drive Motor 1	S1	S1	Drive Motor 2
16	H0412 0025 0	Rotary Manifold	8	A	Drive Motor 1
17	H1112 0024 2	Drive Motor 1	B	A	Drive Motor 2
18	H1112 0024 2	Drive Motor 1	A	B	Drive Motor 2

8.6 Fuel Line Hose Connection - Deutz TD2.9L Engine

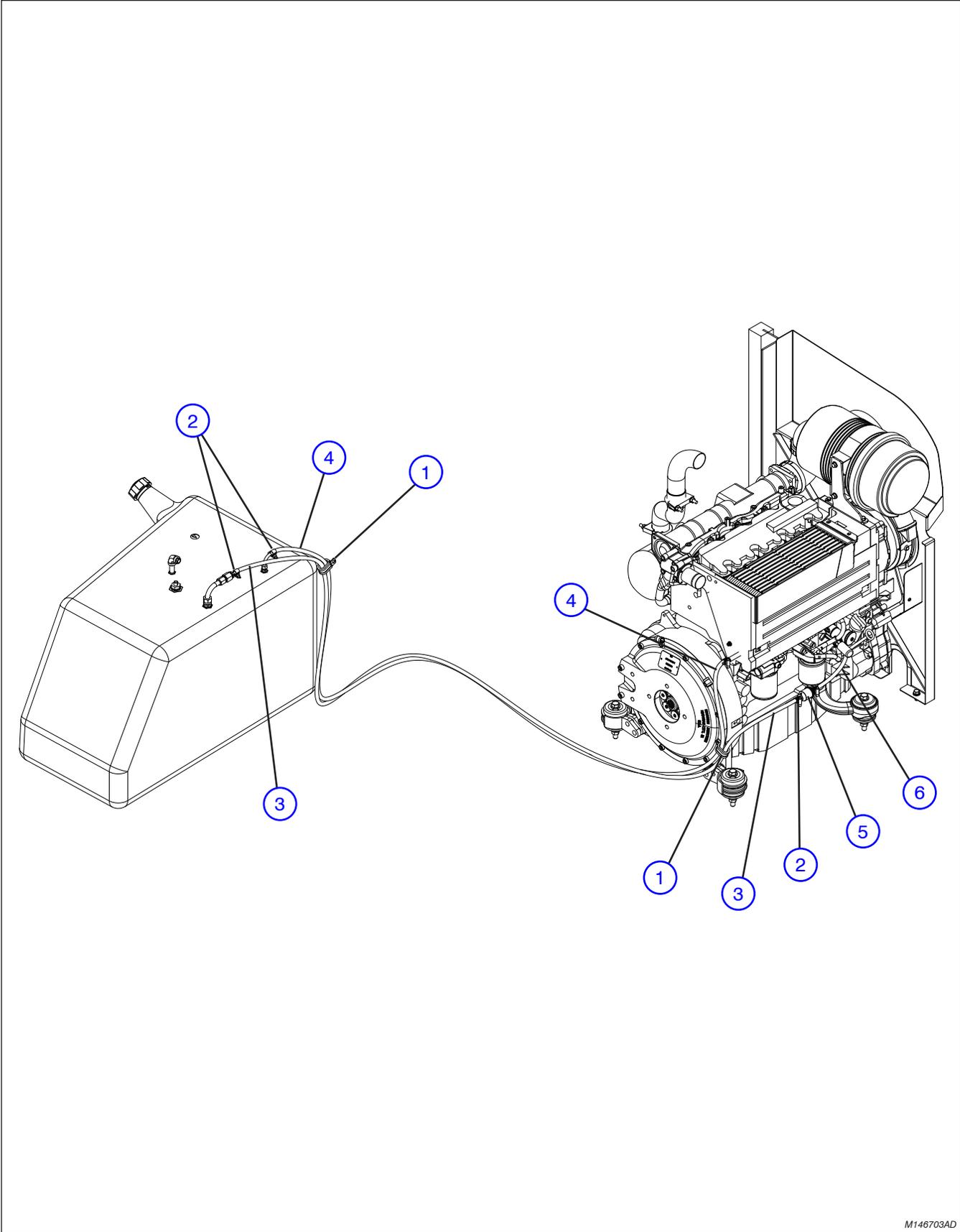


M166109AC

8.6 Fuel Line Hose Connection - Deutz TD2.9L Engine

Index No.	Skyjack Part No.	Qty.	Description
-	166109	1	FUEL HOSE ASSEMBLY, Deutz Diesel TD2.9L
1	166108	1	• BRACKET, Fuel assembly
2	163222	3	• FITTING, Fuel hose
3	164977	1	• FITTING, Fuel hose (3/8")
4	163509	20"	• HOSE, Fuel line (1/2" ID)
5	163509	21"	• HOSE, Fuel line (1/2" ID)
6	163509	22"	• HOSE, Fuel line (1/2" ID)
7	166737	105"	• HOSE, Fuel line rubber (3/8" ID)
8	102984	87"	• HOSE, Fuel line (5/16" ID)
9	103472	4	• WASHER, Flat (3/8")
10	103473	4	• BOLT, Hex head (3/8" - 6 x 1" Grade 5)
11	104698	4	• SCREW, Round head machine (#10-32 x 0.75")
12	144129	1	• CLIP, Single S332G10
13	103078	1	• CLIP, Double S344G10
14	163521	10	• CLAMP, Gear hose (5/8")
15	104694	8	• WASHER, Flat (#10)
16	300450	4	• NUT, Hex head mylon lock (#10-32 Grade 5)
17	(Ref.)	1	PREFILTER, Fuel (supplied with engine) (For components, refer to Section 7.1)
18	(Ref.)	1	PUMP, Fuel (supplied with engine) (For components, refer to Section 7.1)
19	(Ref.)	1	FILTER, Fuel (supplied with engine) (For components, refer to Section 7.1)

8.7 Fuel Line Hose Connection - Deutz D2011 Engine

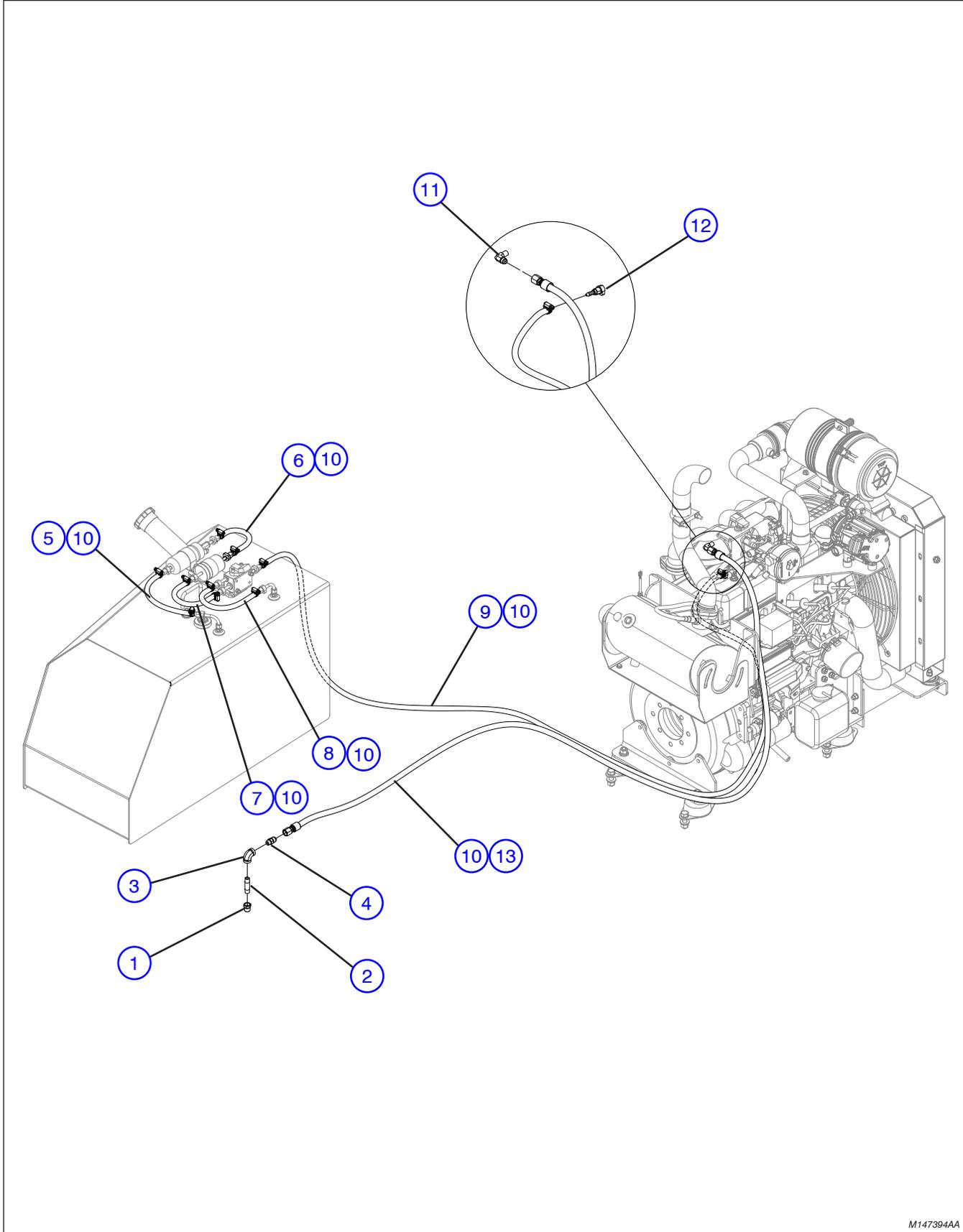


M146703AD

8.7 Fuel Line Hose Connection - Deutz D2011 Engine

Index No.	Skyjack Part No.	Qty.	Description
-	146703	-	FUEL LINE ASSEMBLY, Deutz D2011 Diesel Engine
1	103078	2	• CLAMP, Double lock cushioned (G10)
2	103321	6	• CLAMP, Gear (SAE #4, 1/4"-13/16")
3	102984	120"	• HOSE, Fuel line (5/16" ID)
4	102984	110"	• HOSE, Fuel line (5/16" ID)
5	139254	1	• FILTER, In-line fuel
6	102984	9"	• HOSE, Fuel line (5/16" ID)

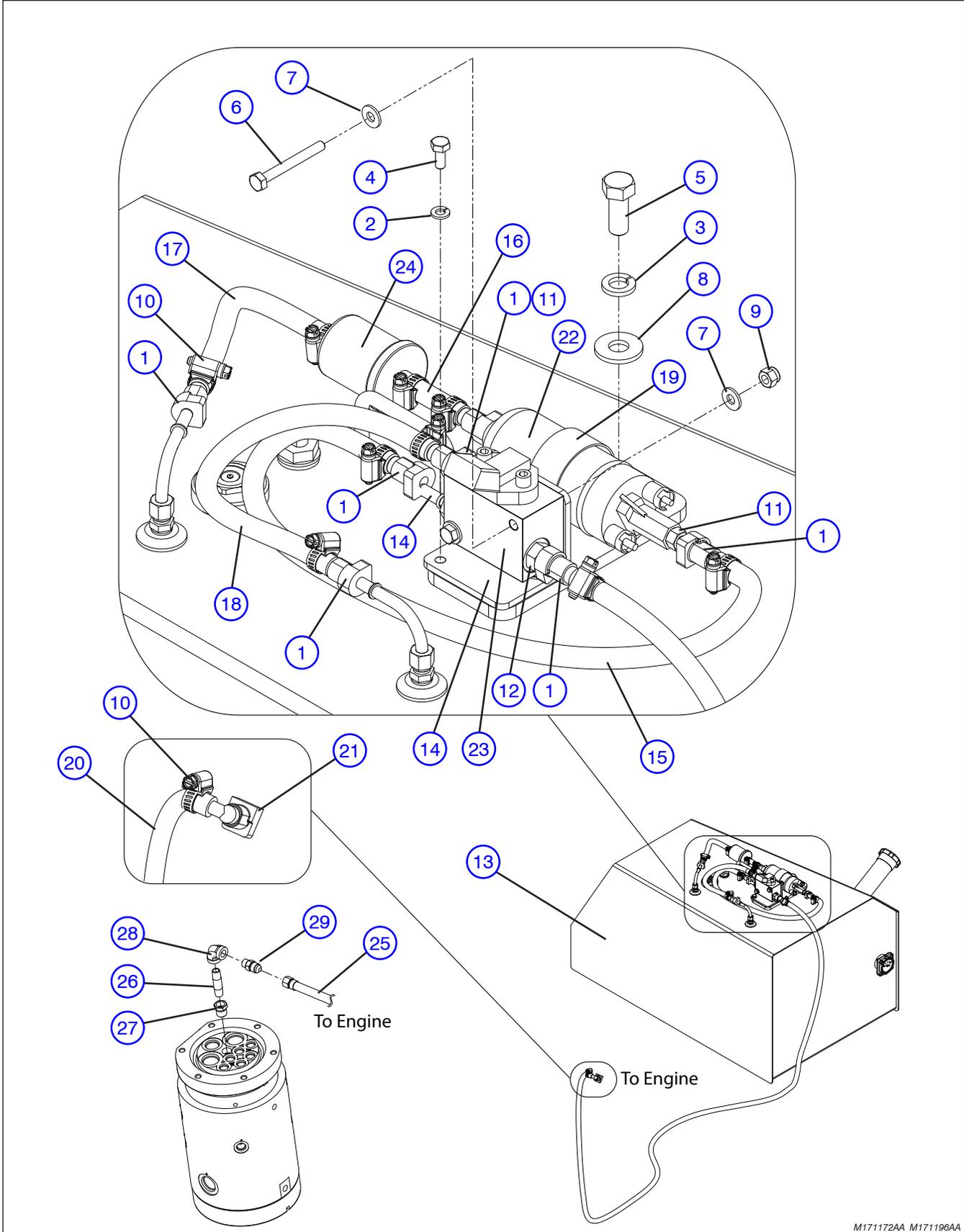
8.8 Fuel Line Hose Connection - GM Engine



M147394AA

8.8 Fuel Line Hose Connection - GM Engine

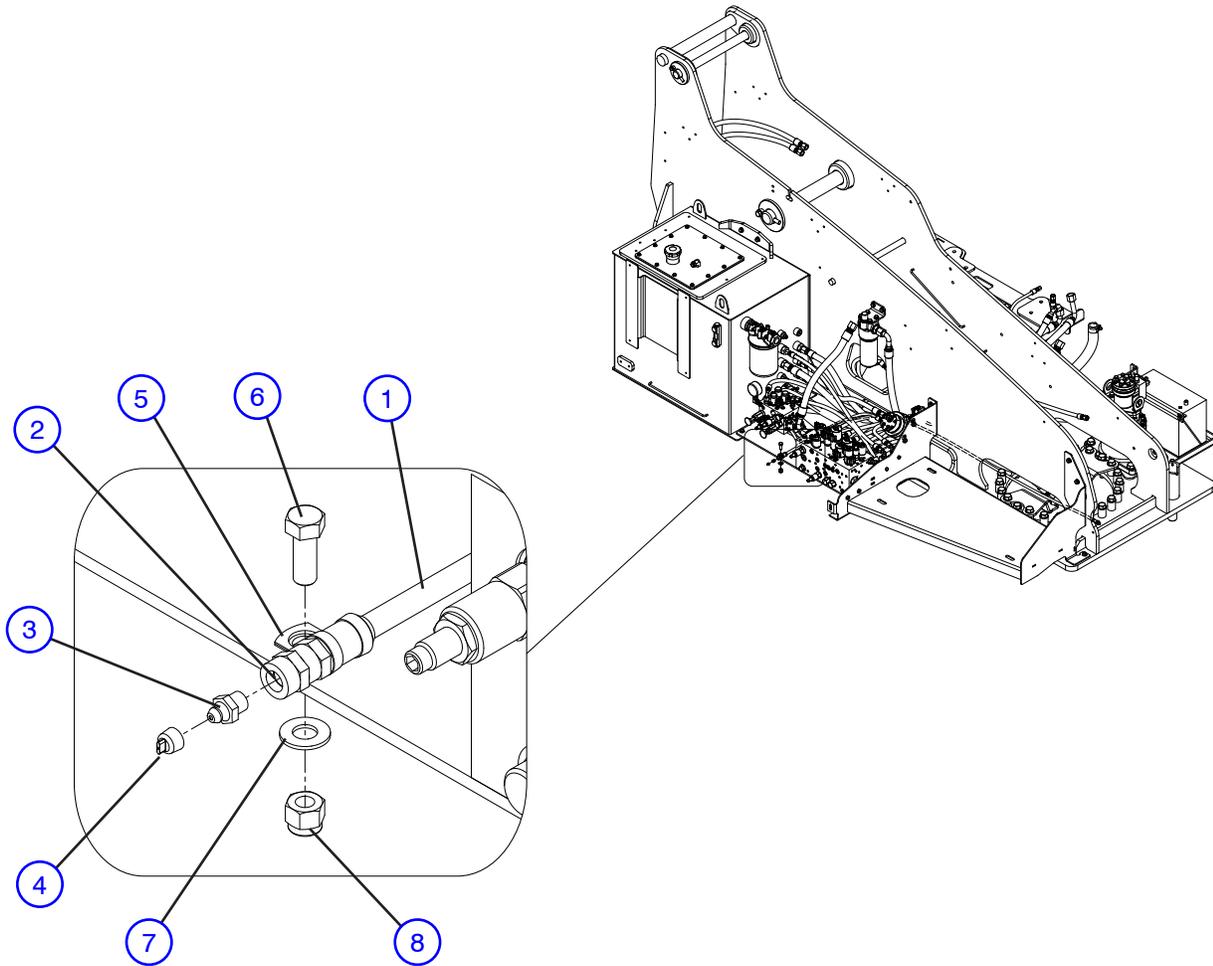
Index No.	Skyjack Part No.	Qty.	Description
-	147394	-	FUEL LINE ASSEMBLY, GM Dual Fuel Engine
1	103156	1	• FITTING, Straight (06 SAEM - 04NPTM brass)
2	144325	1	• FITTING, Elbow, 90° (04 NPTF - 04 NPTF brass)
3	100385	1	• FITTING, Straight (05 NPTF - 05 NPTM)
4	143478	1	• FITTING, Nipple (04 NPTM x 2.00" lg brass)
5	142405	14"	• LINE, Fuel (5/16" Setiflex II)
6	142405	11"	• LINE, Fuel (5/16" Setiflex II)
7	142405	11"	• LINE, Fuel (5/16" Setiflex II)
8	142405	14"	• LINE, Fuel (5/16" Setiflex II)
9	142405	120"	• LINE, Fuel (5/16" Setiflex II)
10	103321	6	• CLAMP, Gear (SAE #4, 1/4"-13/16")
11	144369	10	• QUICK CONNECT, Fuel (3/5" X 5/16" line)
12	103158	1	• FITTING, Elbow, 90° (06 SAEM - 04 NPTF brass)
13	144327	1	• HOSE, Propane (45 SAE x 103" type III)
-	(Ref.)	1	PROPANE TANKS, HOSES & FITTINGS (For components, refer to Section 6.16)



M171172AA_M171196AA

Index No.	Skyjack Part No.	Qty.	Description
-	171172	-	FUEL TANK ASSEMBLY - Kubota WG2503
1	142397	7	• QUICK CONNECT, Straight
2	104000	2	• WASHER, Lock (0.25")
3	103470	1	• WASHER, Lock (0.50")
4	103892	2	• BOLT, Hex head (0.25"-20 x 0.625" gr 5)
5	103909	4	• BOLT, Hex head (0.50"-13 x 1.25" gr 5)
6	103862	4	• BOLT, Hex head (0.25"-20 x 2.25" gr 5)
7	103995	4	• WASHER, Flat (0.25")
8	103468	1	• WASHER, Flat (0.50")
9	115649	2	• NUT, Hex head nylon lock (0.25"-20 gr 5)
10	103321	10	• CLAMP, Gear
11	170571	2	• QUICK CONNECT (SAE #3)
12	170572	2	• QUICK CONNECT (SAE #6)
13	(Ref.)	1	• TANK, Gasoline - steel (For components, refer to Section 4.15)
14	166755	1	• BRACKET, Fuel manifold
15	142405	24"	• FUEL LINE, 5/16"
16	142405	2.25"	• FUEL LINE, 5/16"
17	142405	8"	• FUEL LINE, 5/16"
18	142405	14"	• FUEL LINE, 5/16"
19	171177	1	• CLAMP, Loop
20	142405	120"	• FUEL LINE, 5/16"
21	142398	1	• QUICK CONNECT, 90 elbow°
22	164881	1	PUMP, Fuel
23	164883	1	MANIFOLD, Fuel pressure
24	136118	1	FILTER, Fuel
-	171196	1	PROPANE LINE ASSEMBLY
25	144327	1	• HOSE, Propane
26	143478	1	• FITTING, Nipple (04NPTM- x 2.00" lg)
27	100385	1	• FITTING, Straight (04NPTF-06NPTM)
28	144325	1	• FITTING, 90° elbow (04NPTF-04NPTF)
29	103156	1	• FITTING, Straight (06JICM-04NPTM)

8.10 Turret Grease Hose Connections



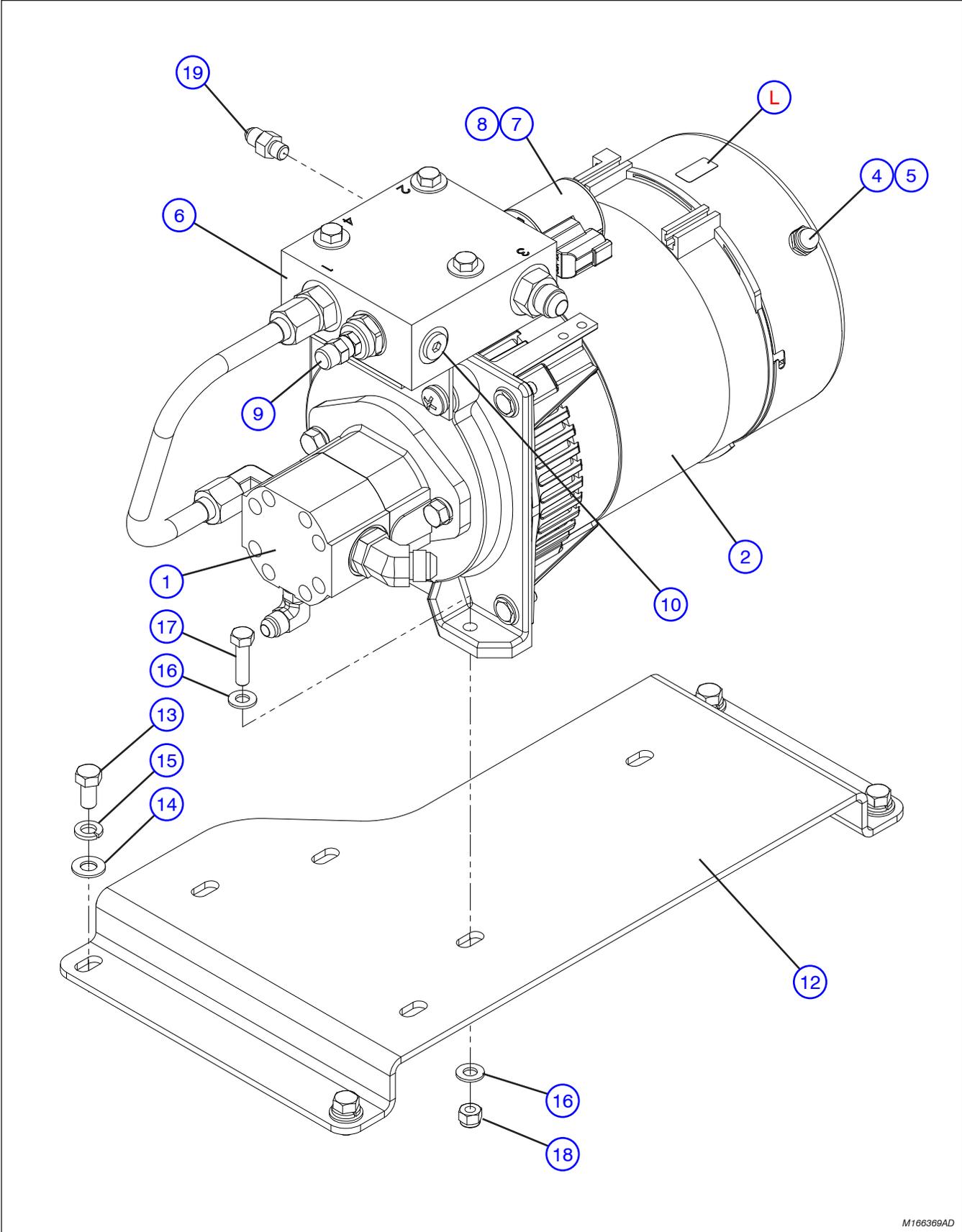
M164655AB

Index No.	Skyjack Part No.	Qty.	Description
-	164655	-	TURRET GREASE LINE ASSEMBLY
1	164656	1	HOSE, Grease line (108")
2	139095	1	FITTING, Straight (1/8 NPTF - 1/8 NPTF)
3	102027	1	FITTING, Straight grease (1/8 NPT)
4	132565	1	CAP, Grease (GC5)
5	144129	1	CLIP, Single
6	103473	1	BOLT, Hex head (0.375"-16 x 1.00" Grade 5)
7	103472	1	WASHER, Flat (0.375")
8	104606	1	NUT, Hex head nylon lock (0.375"-16 Grade 5)

- 9.1 Generator and Oil Cooler - 3.5kW
- 9.2 Generator Assembly - 3.5kW
- 9.3 Oil Cooler with No Generator
- 9.4 Oil Cooler Assembly
- 9.5 Hydraulic Hose Connection - Generator and Oil Cooler - 3.5kW
- 9.6 Generator and Oil Cooler Wiring
- 9.7 Generator and Oil Cooler - 12kW
- 9.8 Generator Assembly - 12kW
- 9.9 Hydraulic Hose Connection - Generator and Oil Cooler - 12kW
- 9.10 Welder and Mounting Assembly
- 9.11 Glazier Package Option
- 9.12 Cold Start Engine Option
- 9.13 Arctic Package Option
- 9.14 Block Heater - Deutz TD2.9L
- 9.15 Oil Quick Drain
- 9.16 SGM Assembly
- 9.17 SGE Assembly
- 9.18 External Platform Railing Assembly
- 9.19 Flashing Light
- 9.20 Air Hose to Platform Option
- 9.21 Diesel Scrubber
- 9.22 Control Box Cover
- 9.23 Positive Air Shut-Off Valve - TD2.9L
- 9.24 Positive Air Shut-Off Valve - D2011
- 9.25 Telematics - Morey
- 9.26 Telematics - ZTR

9.1 Generator and Oil Cooler - 3.5kW

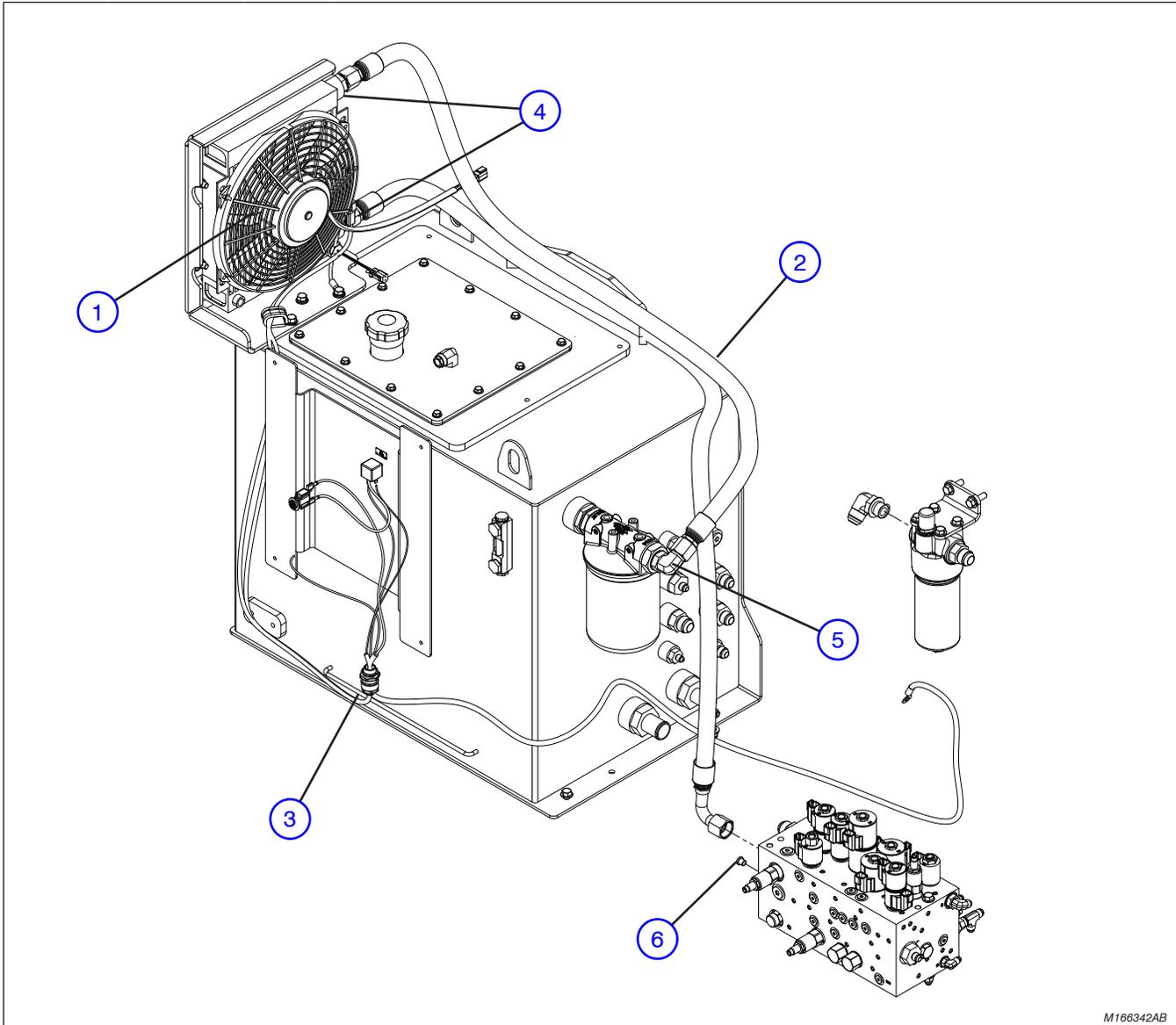
Index No.	Skyjack Part No.	Qty.	Description
A	166343	-	GENERATOR AND OIL COOLER ASSEMBLY, 3.5kW 60hz (ANSI/CSA)
B	166344	-	GENERATOR AND OIL COOLER ASSEMBLY, 3.5kW 50hz (CE & AS)
1	(Ref.)	1	<ul style="list-style-type: none"> OIL COOLER ASSEMBLY (For components, refer to Section 9.4)
2	(Ref.)	1	<ul style="list-style-type: none"> GENERATOR ASSEMBLY (For components, refer to Section 9.2)
3	(Ref.)	1	<ul style="list-style-type: none"> GENERATOR HOSE KIT (For components, refer to Section 9.5)
4	(Ref.)	1	<ul style="list-style-type: none"> WIRING ASSEMBLIES (For components, refer to Section 9.6)
5	103070	1	<ul style="list-style-type: none"> FITTING, Straight (06JICM-08ORBM)
6	702118	1	<ul style="list-style-type: none"> FITTING, Straight (12JICM-12ORBM)
7	144116	1	<ul style="list-style-type: none"> FITTING, Run tee (12JICM-12ORBM-12JICM)
8	105445	1	<ul style="list-style-type: none"> FITTING, Elbow 90° (12JICM-12ORBM)
9	707277	1	<ul style="list-style-type: none"> FITTING, Branch tee (12JICM-12JICM-12ORBM)
10	703412	2	<ul style="list-style-type: none"> FITTING, Straight (12JICF-08JICM)
11	702120	1	<ul style="list-style-type: none"> FITTING, Elbow 45° (12JICM-12JICF)
12	144474	1	<ul style="list-style-type: none"> FITTING, Straight (04JICM-04ORBM x 0.028 port)



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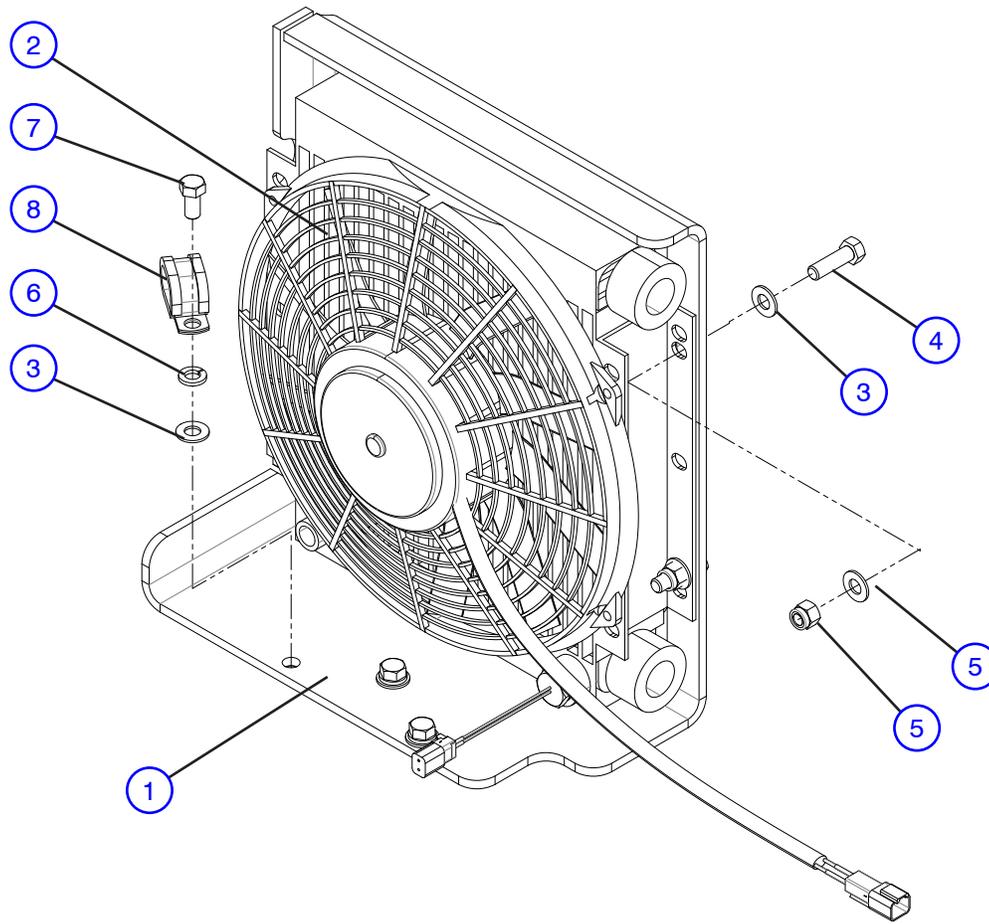
Index No.	Skyjack Part No.	Qty.	Description
A	166369	-	GENERATOR ASSEMBLY - 3.5kW 60Hz (ANSI/CSA)
B	166452	-	GENERATOR ASSEMBLY - 3.5kW 50Hz (CE & AS)
-	166448	1	• GENERATOR, 3.5kW - 60Hz, A
	166450	1	• GENERATOR, 3.5kW - 50Hz, B
1	171419	1	• • MOTOR, Hydraulic - 5 cc
2	197773	1	• • ALTERNATOR, Generator - 60 Hz, A
	197774	1	• • ALTERNATOR, Generator - 50 Hz, B
3	197775	1	• • CORD, GFI (not shown)
4	117325	1	• • BREAKER, Circuit - 15 amp
5	162508	1	• • BOOT, Circuit breaker
-	168618	1	• • MANIFOLD, Generator - 3.5 kW
6	197769	1	• • • BLOCK, Manifold
7	168056	1	• • • VALVE, Solenoid
8	168057	1	• • • COIL, Solenoid
9	171450	1	• • • VALVE, Flow control
10	197770	1	• • • VALVE, Check
11	204105	1	• • CAPACITOR (not shown)
12	166364	1	• BRACKET, Generator mounting
13	101632	4	• BOLT, Hex head (0.375"-16 x 0.75", Grade 5)
14	103472	4	• WASHER, Flat (0.375")
15	103999	4	• WASHER, Lock (0.375")
16	103996	5	• WASHER, Flat (0.312")
17	112532	3	• BOLT, Hex head (0.312"-18 x 1.25", Grade 5)
18	103984	3	• NUT, Hex head (0.312"-18, Grade 5)
19	144474	1	• FITTING, Straight (04 JICM - 04 ORBM x 0.025 port)
L	117390	1	• LABEL, Push to reset generator

9.3 Oil Cooler with No Generator



M166342AB

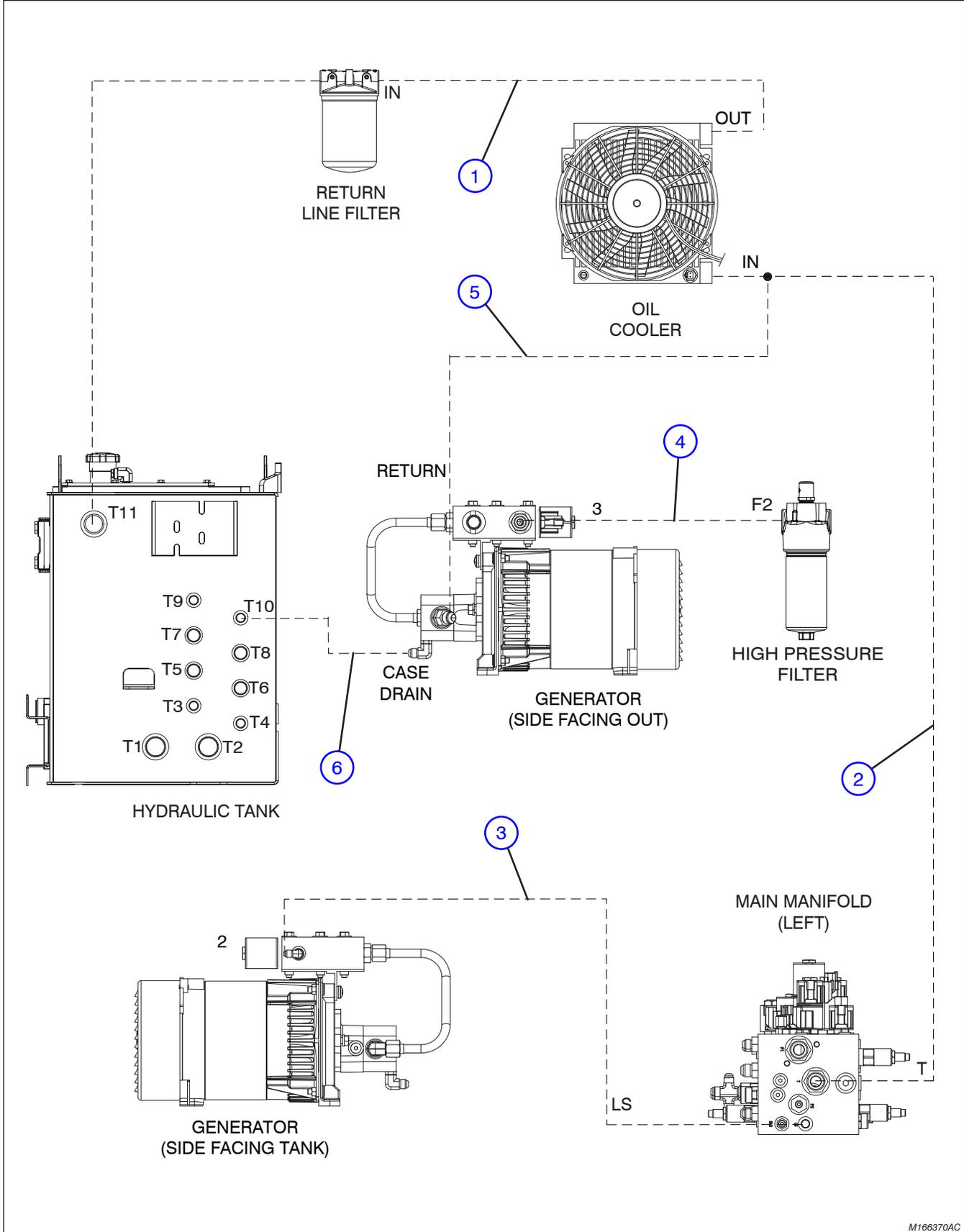
Index No.	Skyjack Part No.	Qty.	Description
-	166342	-	OIL COOLER WITH NO GENERATOR
1	(Ref.)	1	<ul style="list-style-type: none"> OIL COOLER ASSEMBLY (For components, refer to Section 9.4)
2	(Ref.)	1	<ul style="list-style-type: none"> OIL COOLER HOSE KIT (For components, refer to Section 9.5)
3	(Ref.)	1	<ul style="list-style-type: none"> WIRING ASSEMBLIES (not shown) (For components, refer to Section 9.6)
4	702118	2	<ul style="list-style-type: none"> FITTING, Straight (12JICM-12ORBM)
5	105445	2	<ul style="list-style-type: none"> FITTING, Elbow 90° (12JICM-12ORBM)
6	121250	1	<ul style="list-style-type: none"> FITTING, Plug (04 ORBM hex socket)



M166352AB

Index No.	Skyjack Part No.	Qty.	Description
-	166352	-	OIL COOLER ASSEMBLY
1	162329	1	• BRACKET, Generator mounting
2	160800	1	• COOLER Hydraulic oil 12VDC
	169245	1	• • THERMOSTAT, Oil Cooler
	207428	1	• • FAN, Vented - 12V
3	103472	11	• WASHER, Flat (0.375")
4	101297	4	• BOLT, Hex head (0.375"-16 x 1.25" gr 5)
5	104606	4	• NUT, Hex head nylon lock (0.375"-16 gr 5)
6	103999	3	• WASHER, Lock (0.375")
7	101632	3	• BOLT, Hex head (0.375"-16 x 0.75" gr 5)
8	103078	1	• CLIP, Double (S344G10)

9.5 Hydraulic Hose Connection - Generator and Oil Cooler - 3.5kW

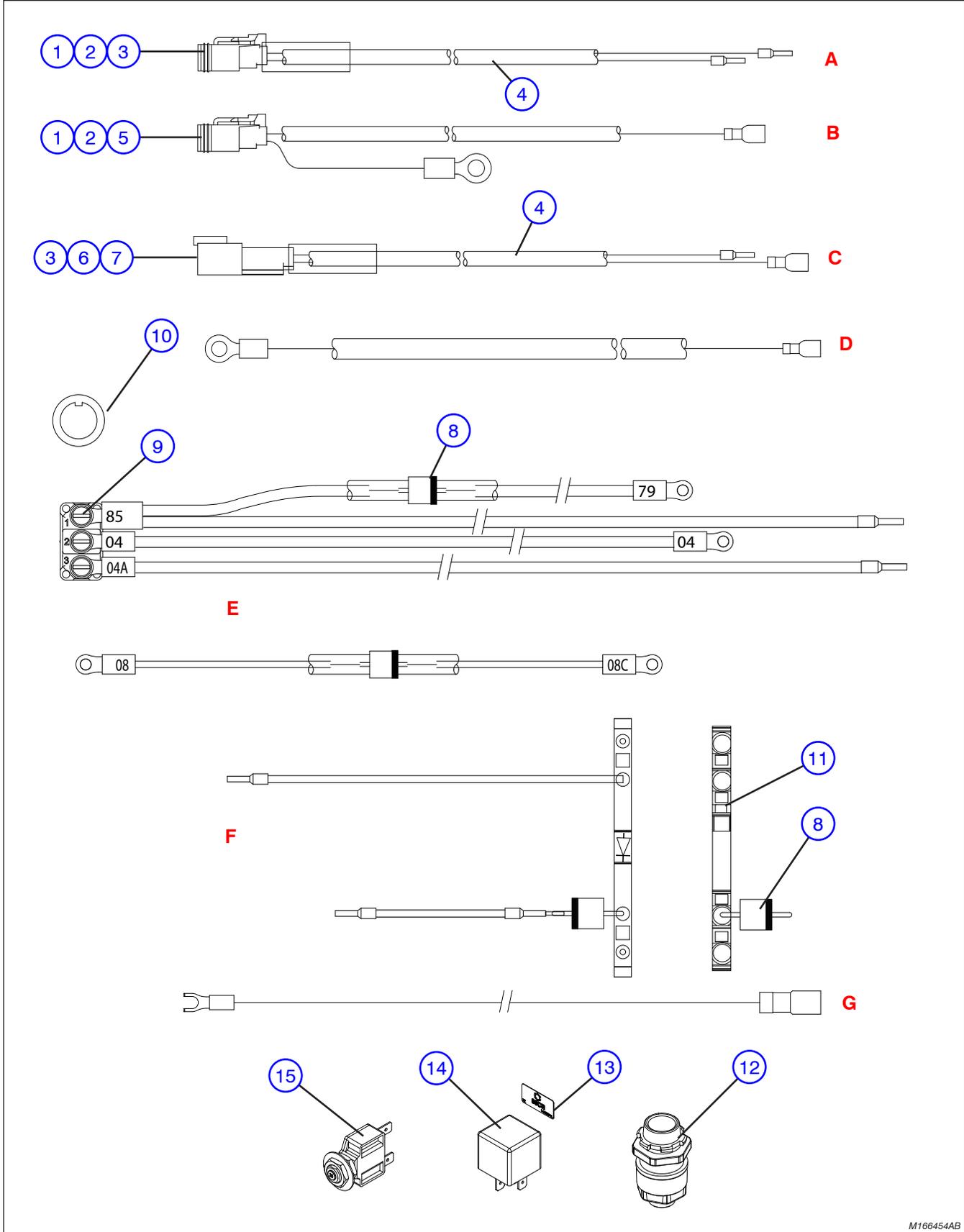


M166370AC

9.5 Hydraulic Hose Connection - Generator and Oil Cooler - 3.5kW

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	166353	OIL COOLER HOSE KIT (NO GENERATOR)			
1	H5112 0060 0	Oil Cooler	OUT	IN	Return Filter
2	H5412 0068 0	Main Manifold	T	IN	Oil Cooler
-	166370	GENERATOR WITH OIL COOLER HOSE KIT - 3.5kW			
1	H5212 0056 0	Oil Cooler	OUT	IN	Return Filter
2	H5412 0078 0	Main Manifold	T	IN	Oil Cooler
3	H5404 0060 0	Generator Manifold	2	LS	Main Manifold
4	H5408 0036 0	High Pressure Filter	F2	3	Generator Manifold
5	H5408 0020 0	Generator Motor (Return)	-	IN	Oil Cooler
6	H5406 0025 0	Generator Motor (Case Drain)	-	T10	Hydraulic Tank

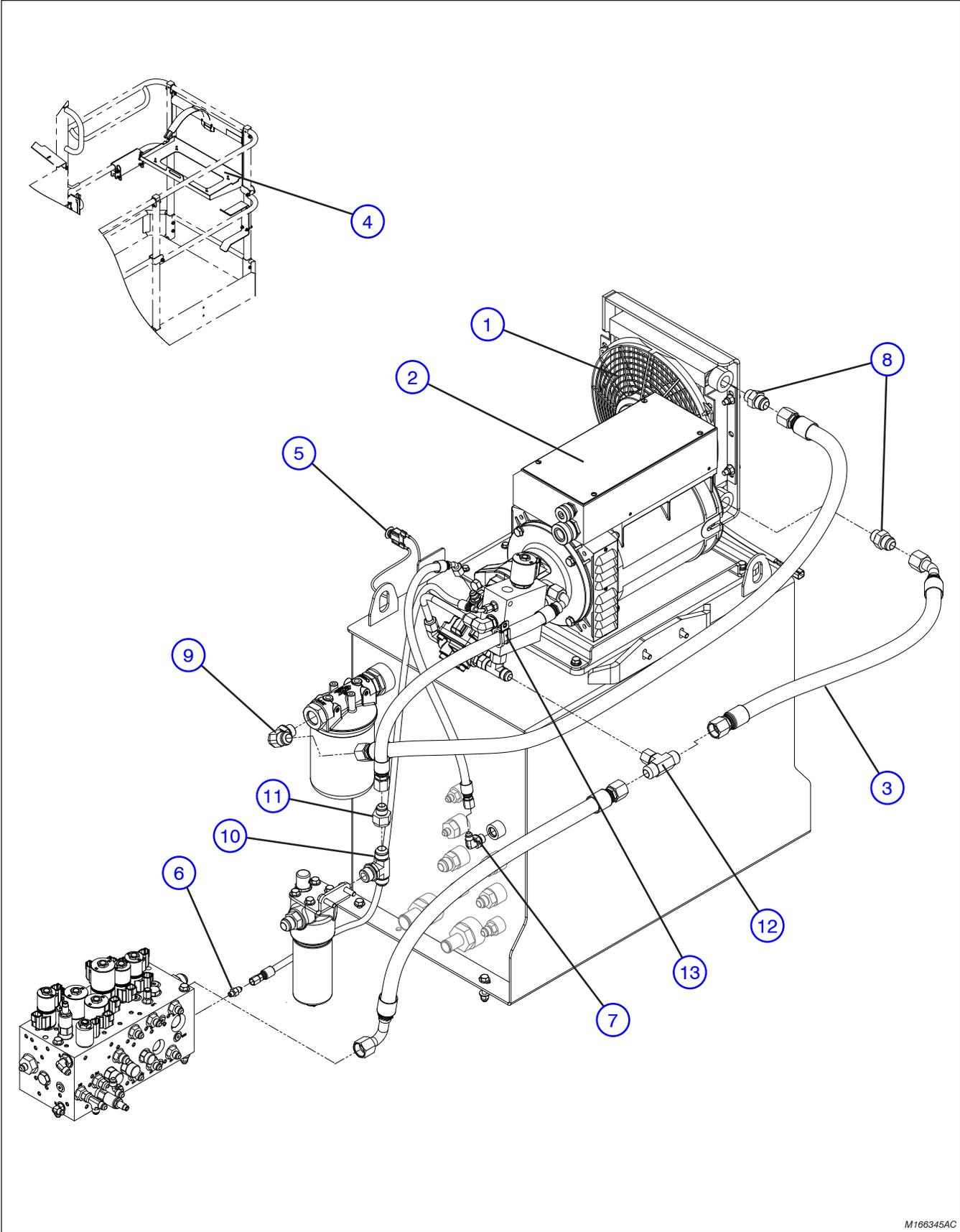
9.6 Generator and Oil Cooler Wiring



M166454AB

Index No.	Skyjack Part No.	Qty.	Description
-	166454	-	GENERATOR AND OIL COOLER WIRING ASSEMBLY - 3.5kW
-	166458	-	GENERATOR AND OIL COOLER WIRING ASSEMBLY - 12kW
-	166354	-	OIL COOLER ONLY WIRING ASSEMBLY - No Generator
-	169566	-	GENERATOR WIRING ASSEMBLY - Platform control box
-	166385	-	GENERATOR WIRING ASSEMBLY - Base control box
A	144068	1	• HARNESS, Generator manifold
B	148484	1	• HARNESS, Cooler fan
C	148485	1	• HARNESS, Cooler temperature sensor
D	144074	1	• HARNESS, Oil cooler power
E	169584	1	• GENERATOR WIRE ASSEMBLY (Platform control console)
F	159937	1	• GENERATOR WIRE ASSEMBLY (Base control console)
G	144637	1	• OIL COOLER RELAY WIRE
H	166560	1	• WELDER POWER CABLE (61T with 12kw generator only)
	166565	1	• WELDER POWER CABLE (66T with 12kw generator only)
1	117597	1	• • PLUG, 2 Pin connector
2	117599	1	• • PLUG, 2 Pin wedge connector
3	117590	1	• • CONTACT SOCKET, Connector (16/18 GA)
4	103256	86"	• • CABTIRE (18/2) A
		83"	• • CABTIRE (18/2) C
5	117593	2	• • CONTACT SOCKET, Connector (14-16)
6	117596	1	• • RECEPTACLE, 2 Pin connector (Deutsch)
7	117598	1	• • RECEPTACLE, 2 Pin wedge connector (Deutsch)
8	102921	2	• • DIODE, E
		1	• • DIODE, F
9	144266	1	• • SWITCH, Toggle, E
10	144016	1	• • SEAL, Panel bushing (Toggle switch), E
11	137940	1	• • BLOCK, Terminal (4 COND. - through), F
12	103041	2	• CONNECTOR, Strain relief
13	144193	1	• LABEL, Cooler relay 86CR (Oil Cooler)
	169494	1	• LABEL, Generator relay 57ACR1 (Generator)
14	127131	1	• RELAY, 12V 40amp
15	117326	1	• BREAKER, Circuit 20amp

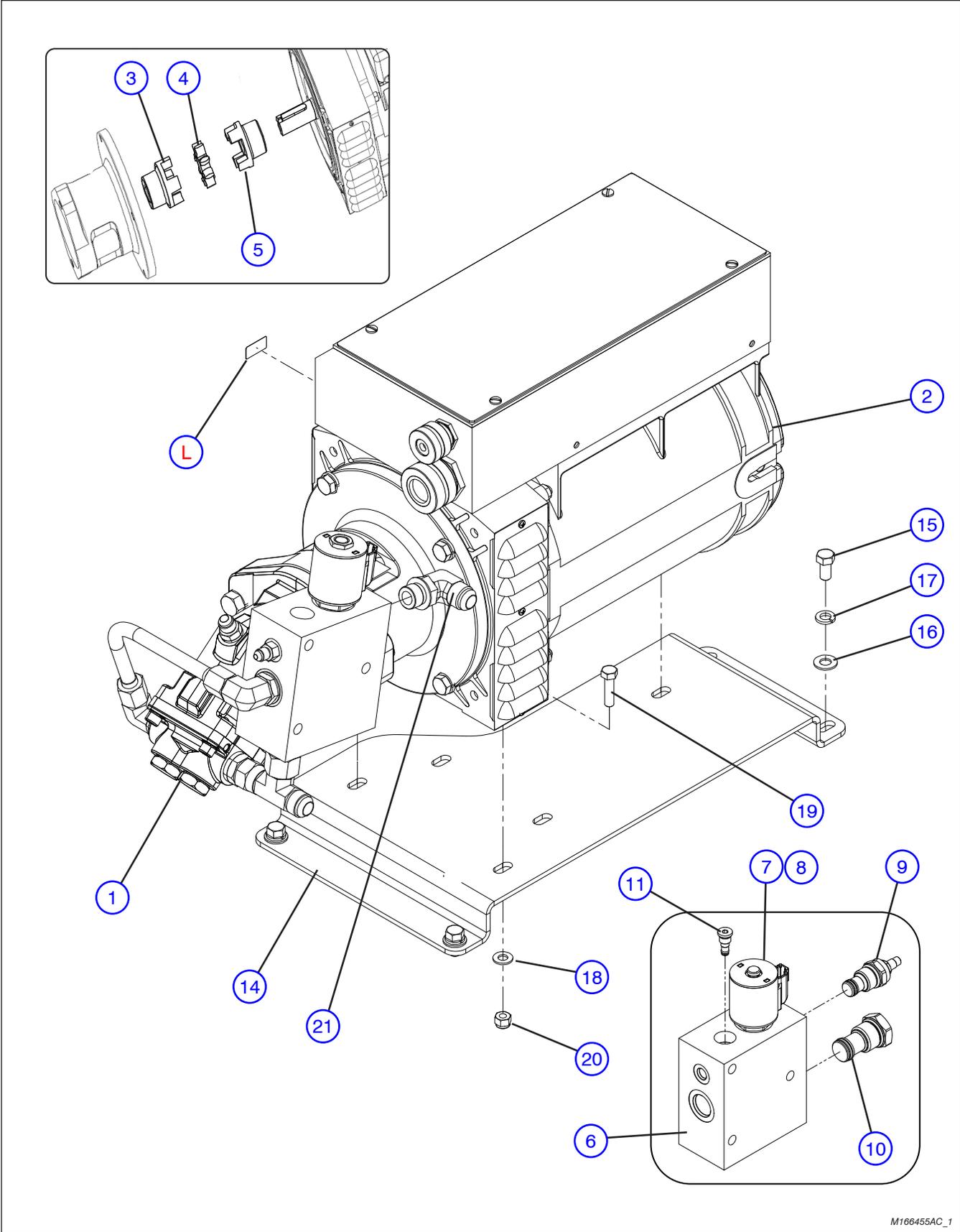
9.7 Generator and Oil Cooler -12 kW



M166345AC

9.7 Generator and Oil Cooler - 12kW

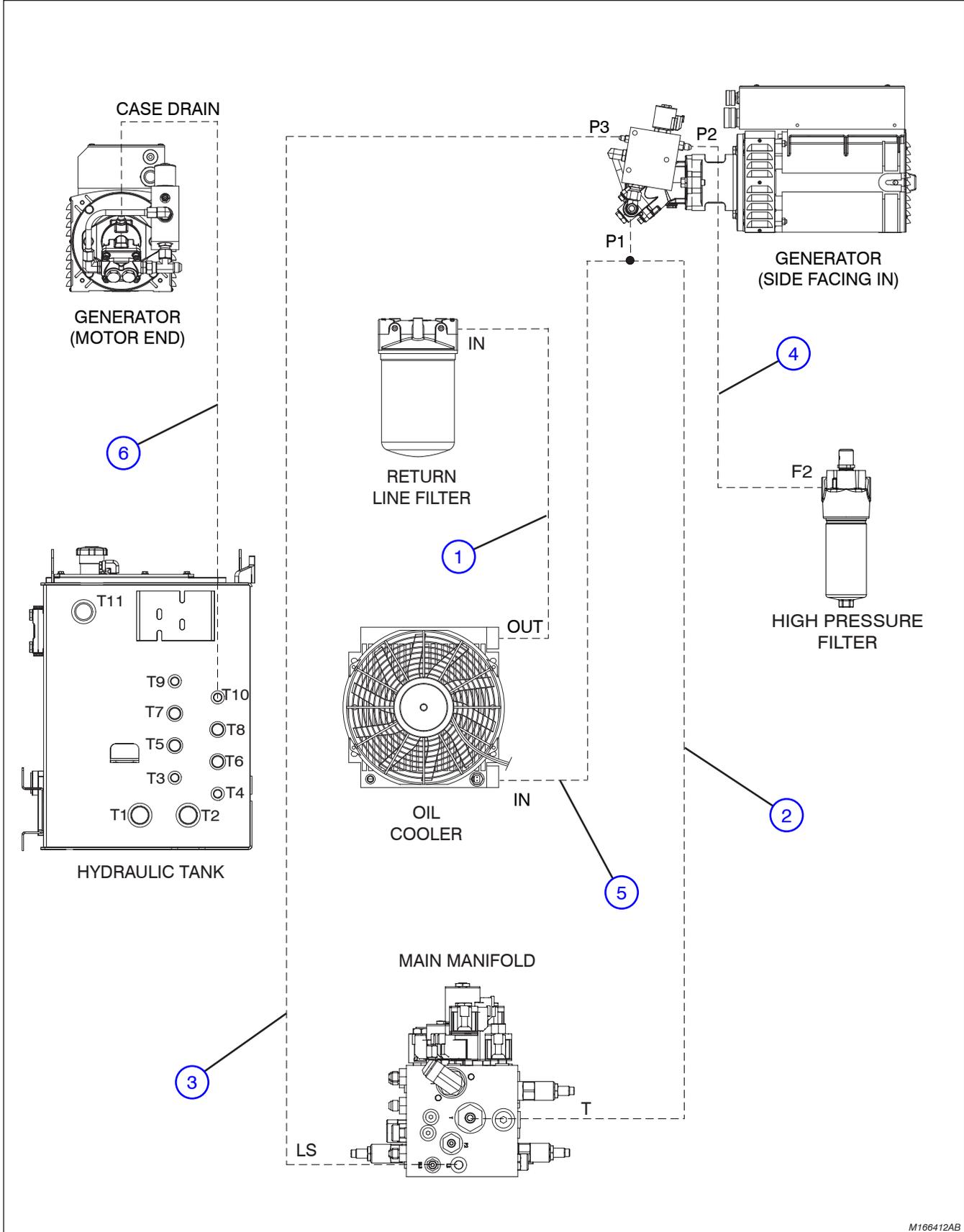
Index No.	Skyjack Part No.	Qty.	Description
A	166345	-	GENERATOR AND OIL COOLER ASSEMBLY, 12kW 60hz (61T ANSI/CSA)
B	166346	-	GENERATOR AND OIL COOLER ASSEMBLY, 12kW 60hz (66T ANSI/CSA)
1	(Ref.)	1	<ul style="list-style-type: none"> OIL COOLER ASSEMBLY (For components, refer to Section 9.4)
2	(Ref.)	1	<ul style="list-style-type: none"> GENERATOR ASSEMBLY - 12kW (For components, refer to Section 9.8)
3	(Ref.)	1	<ul style="list-style-type: none"> GENERATOR HOSE KIT - 12kW (For components, refer to Section 9.9)
4	(Ref.)	1	<ul style="list-style-type: none"> WELDER MOUNT (For components, refer to Section 9.10)
5	(Ref.)	1	<ul style="list-style-type: none"> WIRING ASSEMBLIES (For components, refer to Section 9.6)
6	126128	1	<ul style="list-style-type: none"> FITTING, Straight (04JICM-04ORBM)
7	102665	1	<ul style="list-style-type: none"> FITTING, Elbow 90° (06JICM-08ORBM)
8	702118	2	<ul style="list-style-type: none"> FITTING, Straight (12JICM-12ORBM)
9	105445	1	<ul style="list-style-type: none"> FITTING, Elbow 90° (12JICM-12ORBM)
10	707277	1	<ul style="list-style-type: none"> FITTING, Branch tee (12JICM-12JICM-12ORBM)
11	139153	1	<ul style="list-style-type: none"> FITTING, Straight (12JICF-10JICM)
12	166468	1	<ul style="list-style-type: none"> FITTING, Branch tee (12JICM-12JICM-12JICF SW)
13	103078	1	<ul style="list-style-type: none"> CLIP, Double



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Index No.	Skyjack Part No.	Qty.	Description
-	166455	-	GENERATOR ASSEMBLY - 12kW (ANSI/CSA)
-	160764	1	• GENERATOR, 12kW
1	195467	1	• • MOTOR, Hydraulic - 12 cc
	195595	1	• • SEAL KIT, Generator - 12 kW
2	197781	1	• • ALTERNATOR, Generator
3	197779	1	• • COUPLING, Motor
4	197780	1	• • INSERT, Coupling
5	197781	1	• • COUPLING, Alternator
-	197764	1	• • MANIFOLD, Generator
6	197767	1	• • • BLOCK, Manifold
7	168058	1	• • • VALVE, Solenoid
8	168057	1	• • • COIL, Solenoid
9	171450	1	• • • VALVE, Flow control
10	168058	1	• • • VALVE, Check (12)
11	197770	1	• • • VALVE, Check (04)
12	198971	1	• • BREAKER, GFCI DIN rail - 15A (not shown)
13	198972	1	• • BREAKER, 3 pole DIN rail - 40A (not shown)
14	166364	1	• BRACKET, Generator mounting
15	101632	4	• BOLT, Hex head (0.375"-16 x 0.75", Grade 5)
16	103472	4	• WASHER, Flat (0.375")
17	103999	4	• WASHER, Lock (0.375")
18	103996	5	• WASHER, Flat (0.312")
19	112532	3	• BOLT, Hex head (0.312"-18 x 1.25", Grade 5)
20	103984	3	• NUT, Hex head (0.312"-18, Grade 5)
21	135091	1	• FITTING, Elbow 90° (10 JICM - 10 ORBM)
L	117390	1	• LABEL, Push to reset generator

9.9 Hydraulic Hose Connection - 12kW Generator and Oil Cooler

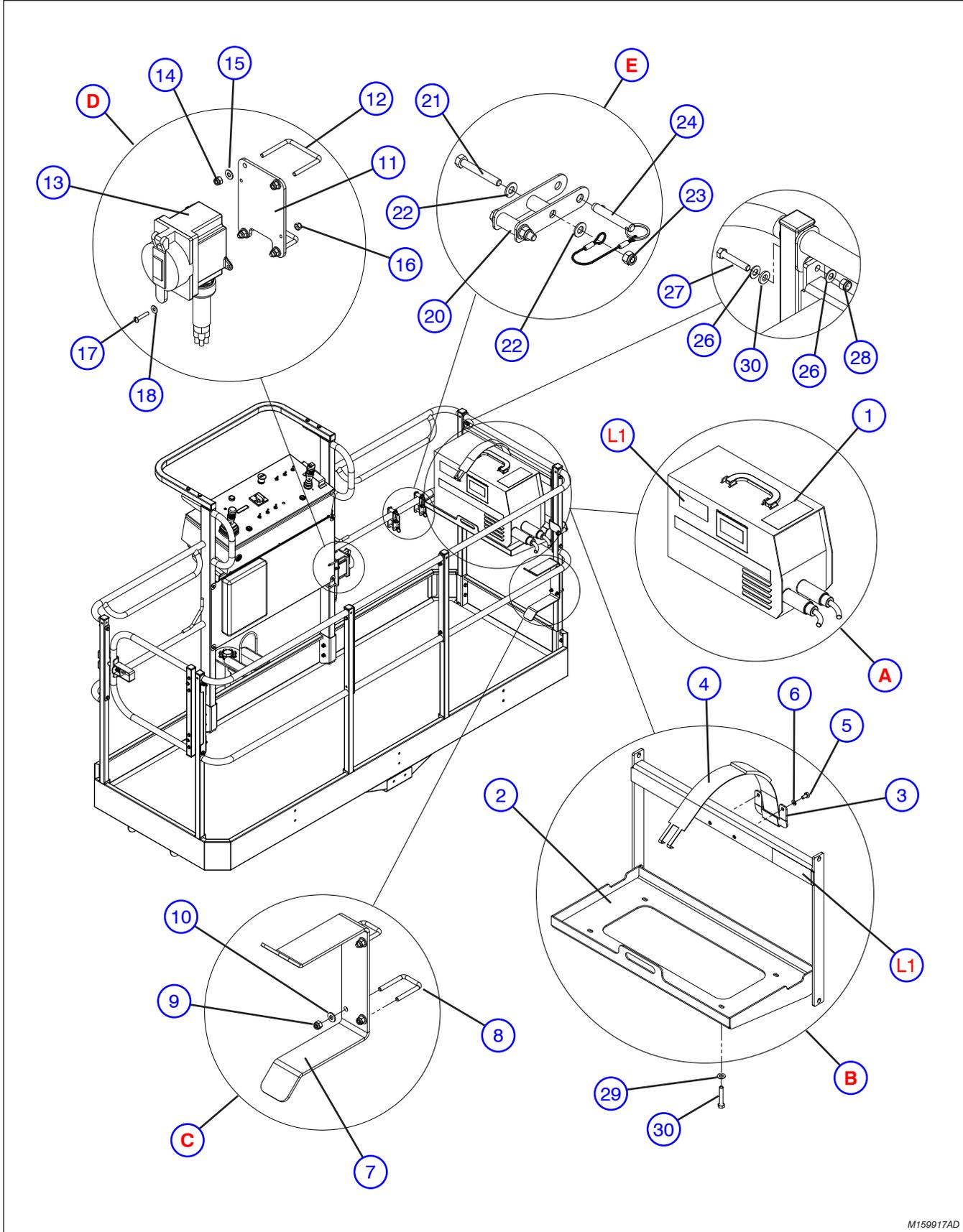


M166412AB

9.9 Hydraulic Hose Connection - 12kW Generator and Oil Cooler

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	166457	GENERATOR WITH OIL COOLER HOSE KIT - 12kW			
1	H5112 0060 0	Oil Cooler	OUT	IN	Return Filter
2	H5412 0036 0	Main Manifold	T	P1	Generator Manifold (Return)
3	H5404 0054 0	Generator Manifold	P3	LS	Main Manifold
4	H5410 0025 0	High Pressure Filter	F2	P2	Generator Manifold
5	H5212 0032 0	Generator Manifold (Return)	P1	IN	Oil Cooler
6	H5206 0026 0	Generator Motor (Case Drain)	-	T10	Hydraulic Tank

9.10 Welder and Mounting Assembly

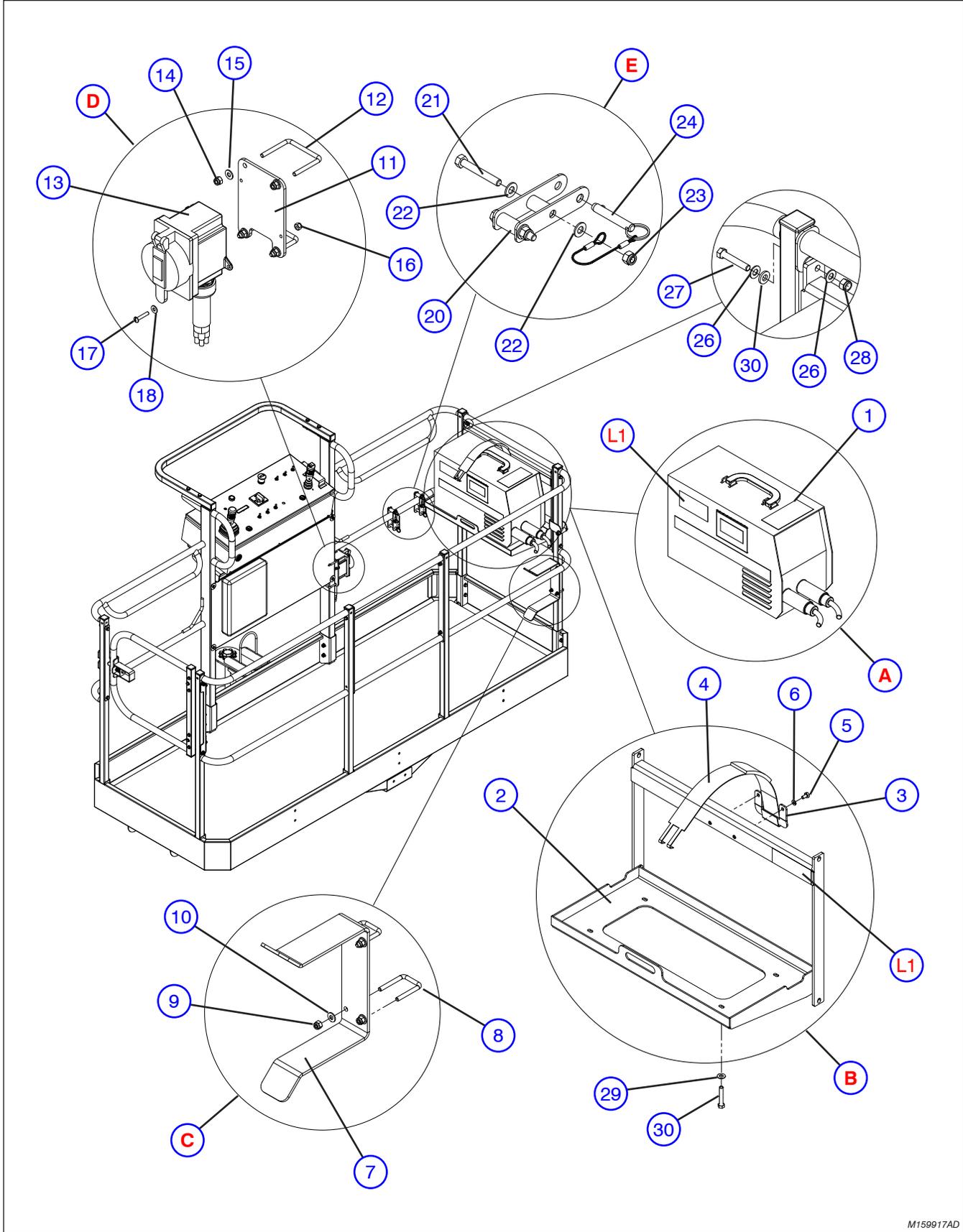


M159917AD

9.10 Welder and Mounting Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	148383	1	WELDER ASSEMBLY
1	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)
L1	147112	1	• LABEL, Welder weight (90 lbs)
-	159917	1	MOUNTING ASSEMBLY, 12kW Welder
B	159948	1	• WELDER TRAY ASSEMBLY
2	159955	1	• • TRAY, Welder
3	137814	1	• • PLATE, Strap
4	103020	1	• • STRAP
5	103855	2	• • BOLT, Hex head (1/4"-20 x 0.50", Grade 5)
6	104000	2	• • WASHER, Lock (1/4")
L1	147112	1	• • LABEL, Welder weight pictorial
C	144218	1	• BRACKET ASSEMBLY
7	144220	1	• • BRACKET, Welding cables
8	144219	2	• • U BOLT, Welder bracket
9	115649	4	• • NUT, Hex lock (1/4"-20 Grade 5, nylon)
10	103995	4	• • WASHER, Flat (1/4")
D	144221	1	• RECEPTACLE ASSEMBLY
11	144222	1	• • PLATE, Receptacle mounting
12	144223	2	• • U BOLT, Receptacle mounting
13	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
14	115649	4	• • NUT, Hex lock (1/4"-20 Grade 5, nylon)
15	103995	4	• • WASHER, Flat (1/4")
16	300450	2	• • NUT, Hex lock (#10-32 Grade 5, nylon)
17	105621	2	• • SCREW, Round head machine (#10-32 x 1")
18	104694	2	• • WASHER, Flat (#10)
			Parts list continued on the following page.

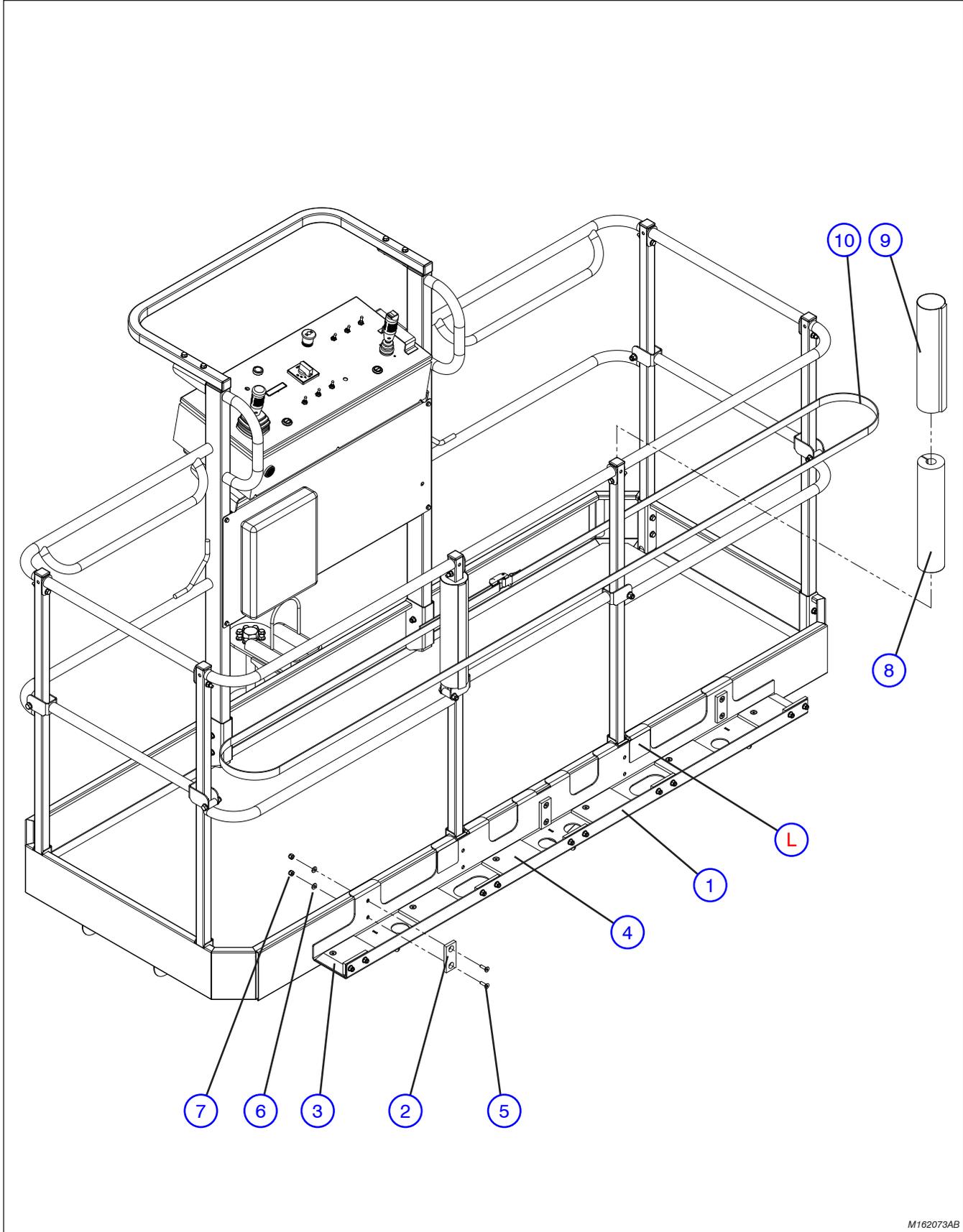
9.10 Welder and Mounting Assembly



M159917AD

Index No.	Skyjack Part No.	Qty.	Description
Parts list continued from the previous page.			
E	168530	1	• HANGER ASSEMBLY
19	169160	2	• • BRACKET, Welder cable
20	159947	2	• • SPACER, Welder tray
21	103866	2	• • BOLT, Hex head (5/16"-18 x 2 1/4 Grade 5)
22	103996	4	• • WASHER, Flat (5/16")
23	103984	2	• • NUT, Hex lock nylon lock (5/16"-18 Grade 5)
24	124548	1	• • PIN, Quick release
25	103996	8	• WASHER, Flat (5/16")
26	103884	4	• BOLT, Hex head (5/16"-18 x 2.50", Grade 5)
27	103984	4	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
28	103995	4	• WASHER, Flat (1/4")
29	103857	4	• BOLT, Hex head (1/4"-20 x 1.00" Grade 5)
30	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)

9.11 Glazier Package Option

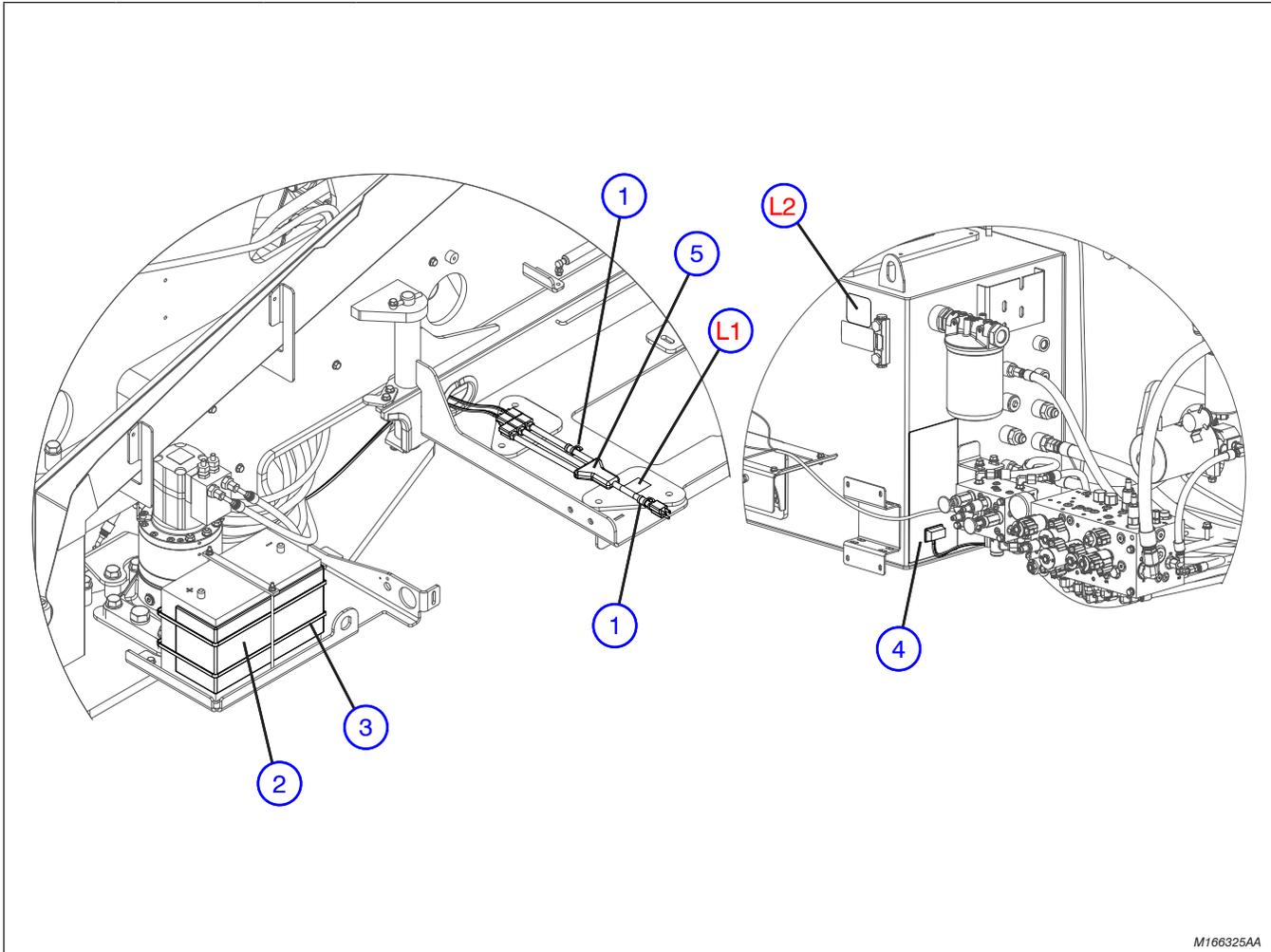


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9.11 Glazier Package Option

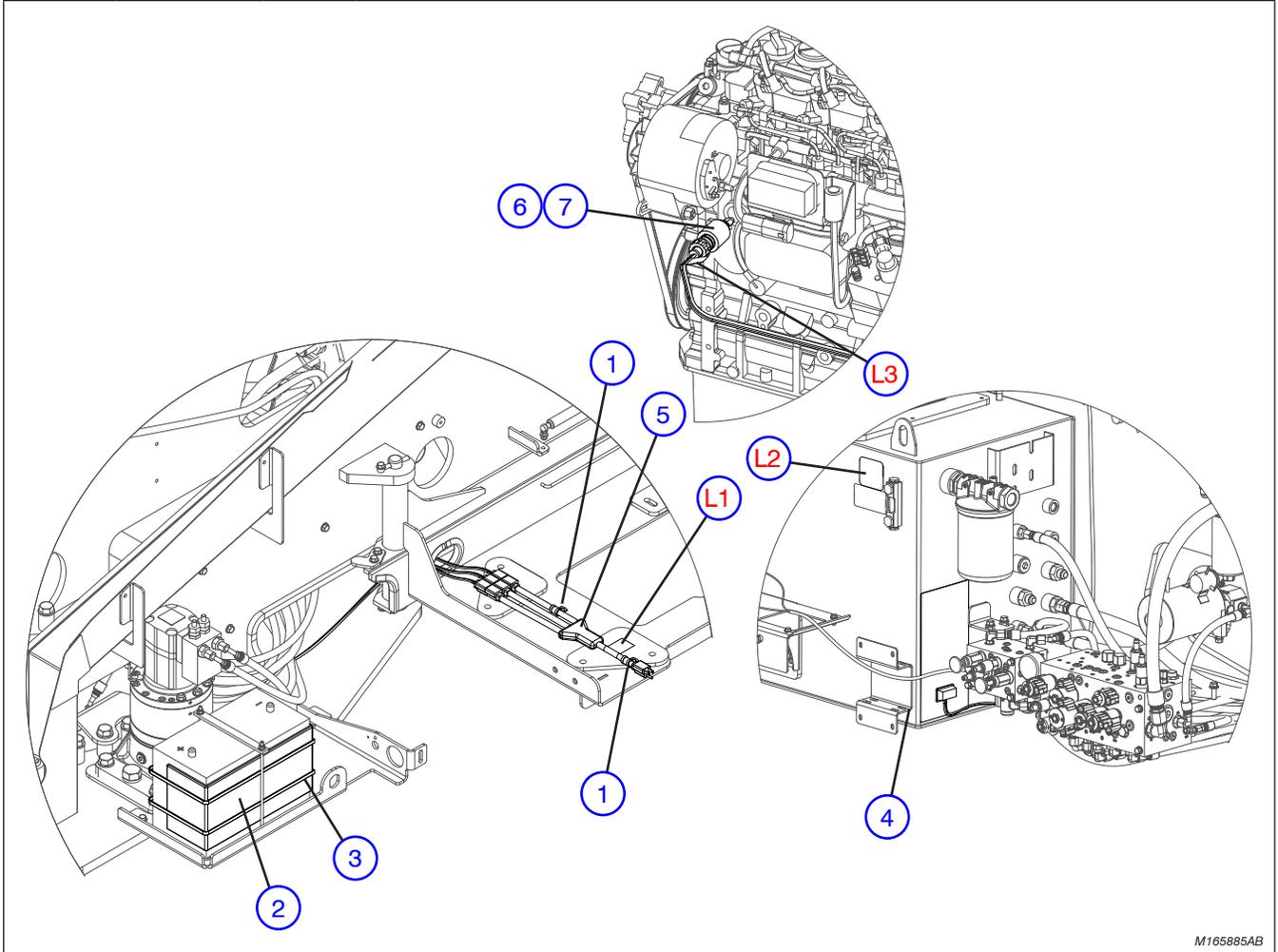
Index No.	Skyjack Part No.	Qty.	Description
-	162073	-	GLAZIER RACK ASSEMBLY (ANSI/CSA)
-	159898	1	• ASSEMBLY, Glazier Rack
-	154404	1	• • ASSEMBLY, Glazier tray
1	154402	1	• • • WELDMENT, Glazier tray
2	154401	8	• • • PAD, Wear - side tray
3	154399	2	• • • PAD, Wear - end tray
4	154400	4	• • • PAD, Wear - in tray
5	162116	28	• • • SCREW, Flat socket head cap (5/16"-18 x 1.00", Grade 5)
6	103996	28	• • • WASHER, Flat (5/16")
7	103984	28	• • • NUT, Hex head nylon lock (5/16"-18, Grade 5)
8	144491	2	• • FOAM, Support
9	144604	2	• • COVER, Bumper
10	144613	1	• • STRAP, Glazier kit
L	151182	2	• • LABEL, Panel cradle capacity
-	162026	1	• INSTRUCTIONS, Glazier package (not shown)

9.12 Cold Start Engine Option



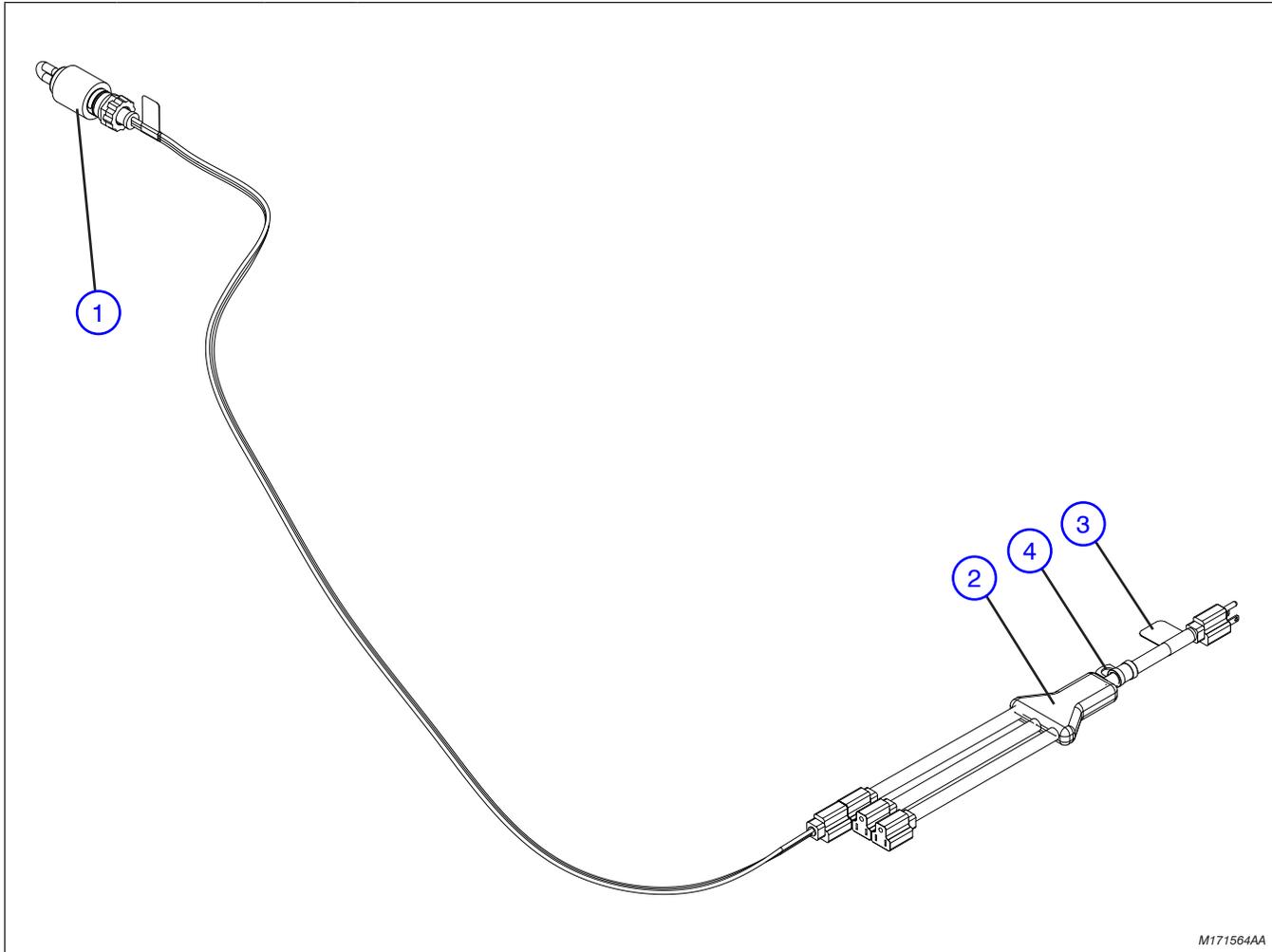
M166325AA

Index No.	Skyjack Part No.	Qty.	Description
-	166325	1	COLD START WARMING KIT
1	144129	2	• CLIP, Single (S332G10)
2	703290	1	• BLANKET, Battery
3	144727	2	• TIE WRAP, Cable (43.3")
4	166261	1	• HEATER, Pad (1000W)
5	159888	1	• CORD, "W" (12/13AWG 15A x 2' long)
L1	146021	1	LABEL, Hydraulic oil/battery warmer cord
L2	143593	1	LABEL, Hydraulic oil Tellus T46
L3	146162	1	LABEL, Cold weather factory oil (on engine oil dipstick) (Deutz engines)



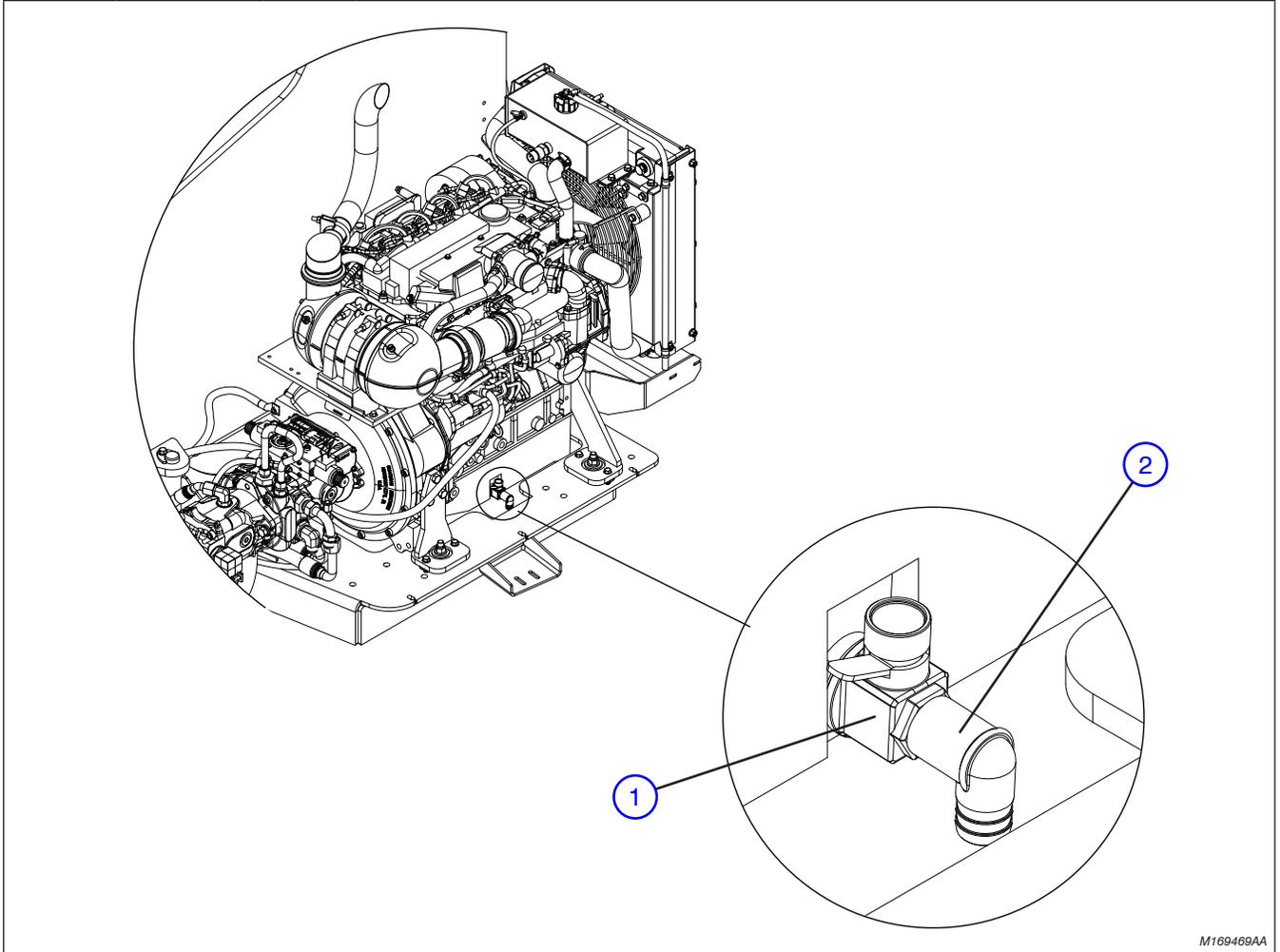
Index No.	Skyjack Part No.	Qty.	Description
-	166325	1	COLD START WARMING KIT
1	144129	2	• CLIP, Single (S332G10)
2	703290	1	• BLANKET, Battery
3	144727	2	• TIE WRAP, Cable (43.3")
4	166261	1	• HEATER, Pad (1000W)
5	159888	1	• CORD, "W" (12/13AWG 15A x 2' long)
6	165559	1	HEATER, Block (Deutz TD2.9 engine)
	144642	1	HEATER, Oil pan (Deutz D2011 engine)
	144671	1	HEATER, Block (GM engine)
	170072	1	HEATER, Block (Kubota engine)
7	170073	1	ADAPTER, Block heater (Kubota engine)
L1	144632	1	LABEL, Hydraulic oil/battery warmer
L2	144633	1	LABEL, Arctic hydraulic oil
L3	144635	1	LABEL, Arctic engine oil (Deutz engines)

9.14 Block Heater - Deutz TD2.9L



M171564AA

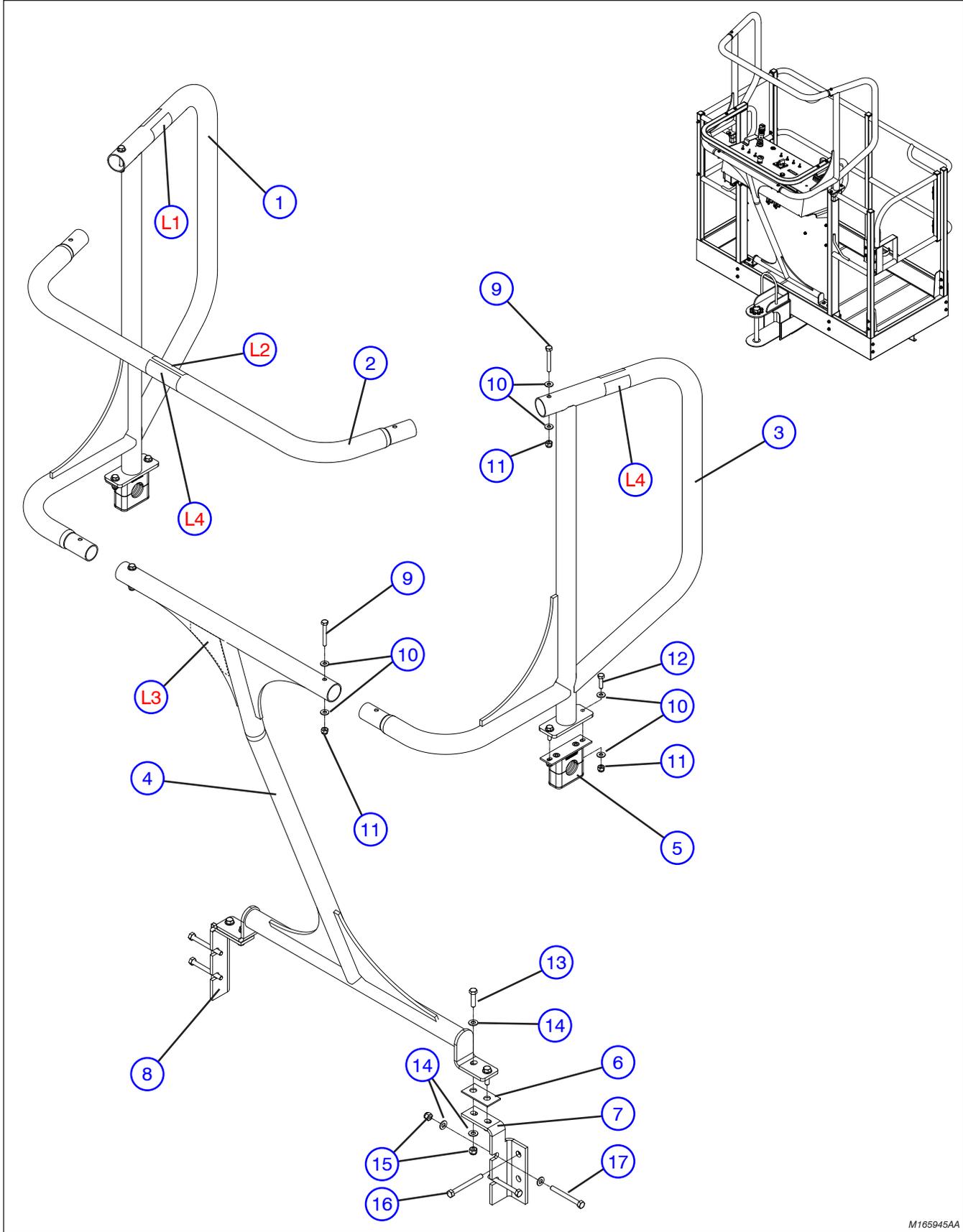
Index No.	Skyjack Part No.	Qty.	Description
-	171564	1	BLOCK HEATER - Deutz TD2.9L engine
1	165559	1	• HEATER, Block (120V) - Deutz TD/D2.9L
2	159888	1	• CORD, "W"
3	168880	1	• LABEL, Block heater
4	144129	1	• CLIP, Single (S332G10)



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

9.16 SGM Assembly

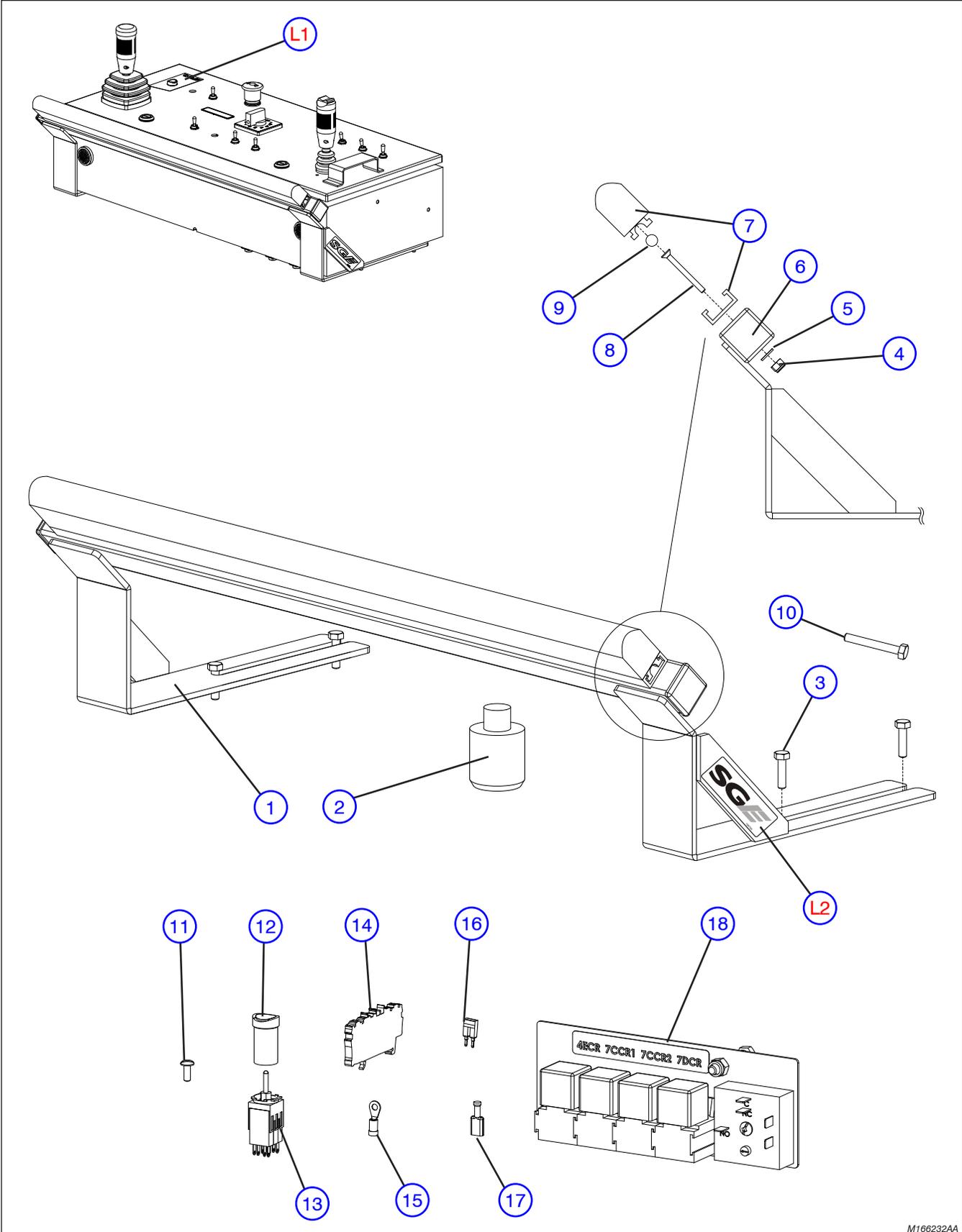


M165945AA

9.16 SGM Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	165945	1	SGM ASSEMBLY (Secondary Guarding)
-	166585	1	SGM ASSEMBLY
1	166587	1	• WELDMENT, Structure, RH
2	166589	1	• TUBE
3	166586	1	• WELDMENT, Structure LH
4	166588	1	• WELDMENT, Structure, Mid
5	166708	2	• PIPE CLAMP KIT, 1.25" O.D. tube
6	166603	8	• SHIM (0.063")
7	166599	1	• BRACKET, Base, mount, LH
8	166600	1	• BRACKET, Base, mount, RH
9	103861	4	• BOLT, Hex head (1/4"-20 x 2.00", Grade 5)
10	103995	16	• WASHER, Flat (1/4")
11	115649	8	• NUT, Hex head nylon lock (1/4"-20, Grade 5)
12	103857	4	• BOLT, Hex head (1/4"-20 x 1.00", Grade 5)
13	112532	4	• BOLT, Hex head (5/16"-18 x 1.25", Grade 5)
14	166164	16	• WASHER, Flat (5/16" USS)
15	103984	8	• NUT, Hex head nylon lock (5/16"-18, Grade 5)
16	103868	4	• BOLT, Hex head (5/16"-18 x 3.50", Grade 5)
17	166829	4	• BOLT, Hex head (5/16"-18 x 2.75", Grade 5)
-	166817	1	LABEL ASSEMBLY SGM
L1	137988	2	• LABEL, Crush/pinch hazard
L2	166790	1	• LABEL, Capacity reduction SGM (small)
L3	166811	1	• LABEL, Capacity reduction SGM
L4	166808	3	• LABEL, SGM (black/grey)
-	165946	1	INSTALLATION INSTRUCTION, SGM (not shown)

9.17 SGE Assembly

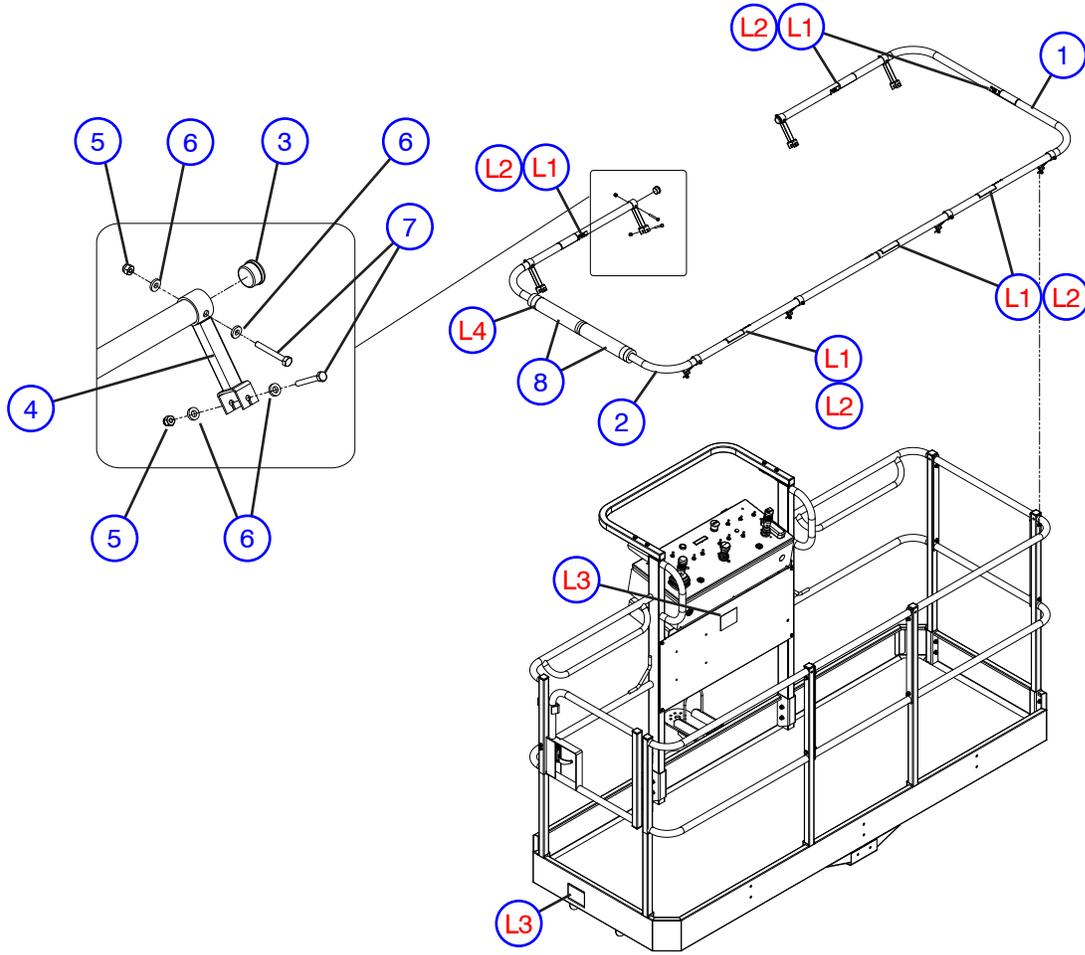


M166232AA

9.17 SGE Assembly

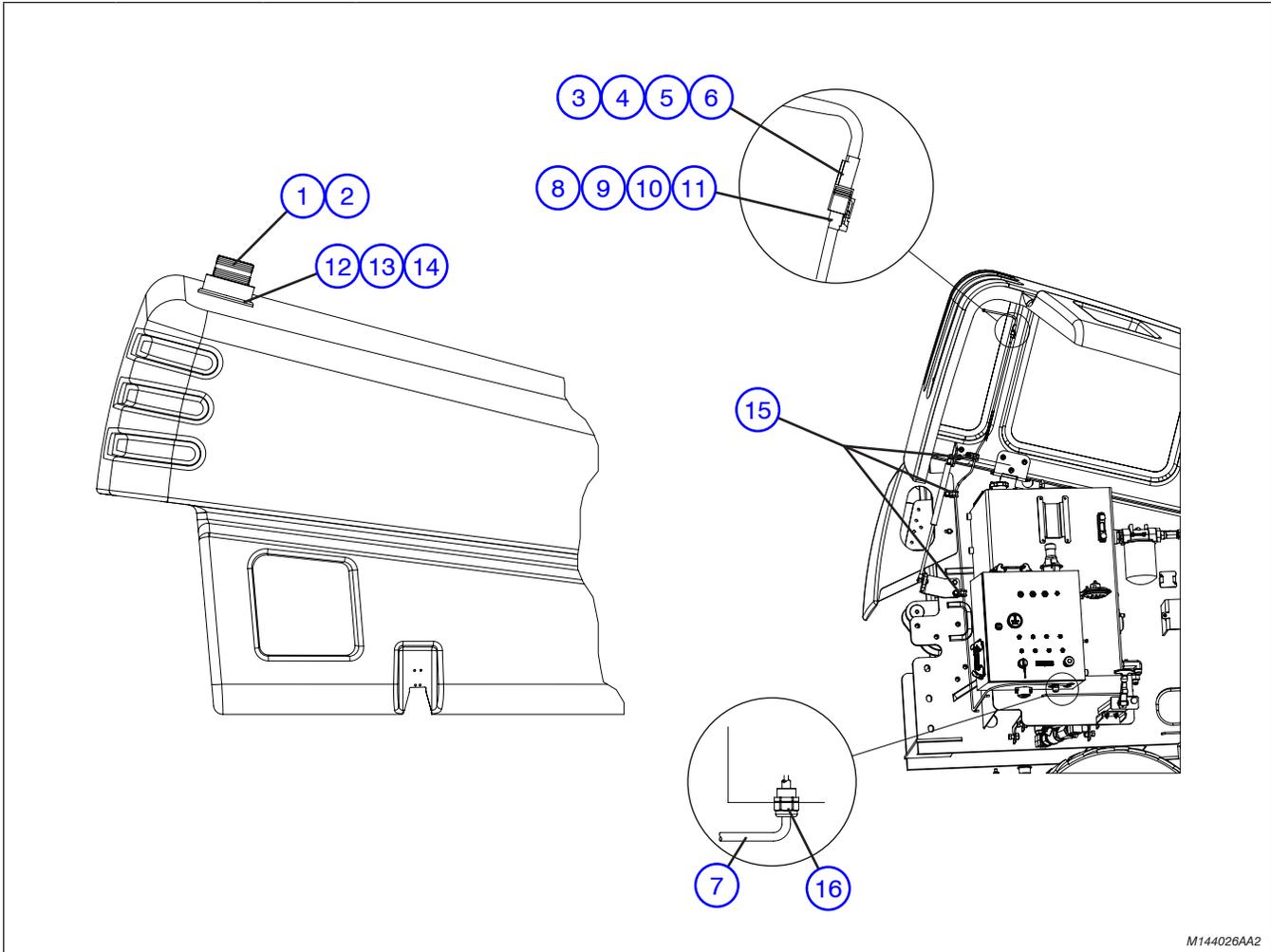
Index No.	Skyjack Part No.	Qty.	Description
-	166232	1	SGE ASSEMBLY (Secondary Guarding)
-	166106	1	SGE ASSEMBLY
1	166101	1	• SUPPORT ASSEMBLY, Sensing edge
2	166110	1	• ALARM/FLASHER, 12V, red LED
3	103857	4	• BOLT, Hex head (1/4"-20 x 1.00, Grade 5)
4	300450	3	• NUT, Hex head nylon lock (10-32, Grade 5)
5	104694	3	• WASHER, Flat (#10)
6	100702	2	• CAP, Plastic End
7	166107	1	• EDGE, Sensing with countersunk rail
8	166105	3	• BOLT, Flat head cap screw (10-32 x 1.75". Grade 5)
9	166104	1	• ROD, Sensing edge lock
10	103861	2	• BOLT, Hex head (1/4"-20 x 2.00, Grade 5) (ANSI/CSA)
11	167218	1	• SCREW, Machine slotted binding head (6-32 x 0.25")
-	166085	1	• ELECTRICAL ASSEMBLY, SGE
12	166087	1	• • PUSH BUTTON OPERATOR, Yellow flush spring return
13	166086	1	• • CONTACT BLOCK BODY, N/O, yellow LED 12-24V
14	137940	4	• • BLOCK, Terminal
15	102955	1	• • TERMINAL, Ring 14-16GA, #6 blue
16	137942	2	• • JUMPER, 2 pin
17	105359	2	• • TERMINAL, Female spade 14-16GA, insulated blue
18	166018	1	• • RELAY ASSEMBLY
	166112	1	• • • PLATE, Relay mounting
	138749	4	• • • SOCKET, Automotive relay
	164683	1	• • • TIMER, Delay on make 0.1-10.0 s
	127131	4	• • • RELAY
	163241	2	• • • SPACER
	103860	2	• • • BOLT, Hex head (0.25-20" x 1.75", Grade 5)
	115649	2	• • • NUT, Hex head nylon lock (0.25"-20, Grade 5)
	104003	3	• • • NUT, Hex head (10-32)
	115545	2	• • • SCREW, Socket head cap (10-32 x 0.375")
	105621	1	• • • SCREW, Round head machine (10-32 x 1.00")
	166026	1	• • • LABEL, Relay - secondary guarding
19	166032	1	• • WIRE ASSEMBLY, SGE (not shown)
20	166786	1	• • WIRE KIT, SGE Base control (not shown)
21	113719	8	• • TIEWRAP, 3-5/8" long black (not shown)
L1	166139	1	• LABEL, SGE (reset button)
L2	166756	2	• LABEL, SGE
-	167257	1	INSTALLATION INSTRUCTIONS, SGE (not shown) (ANSI/CSA)
-	165063	1	INSTALLATION INSTRUCTIONS, SGE (not shown) (CE & AS)

9.18 External Platform Railing Assembly



M144780AD

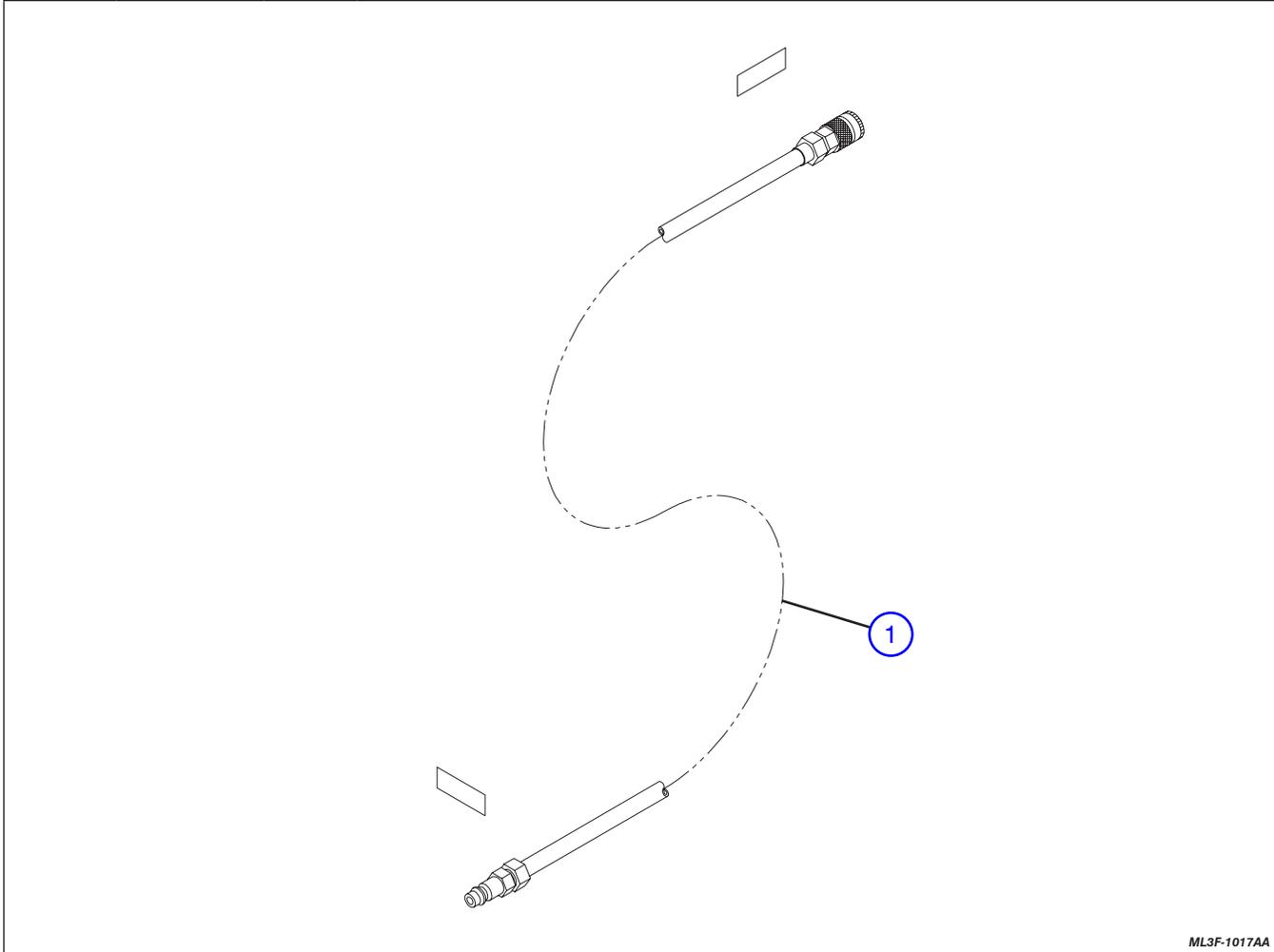
Index No.	Skyjack Part No.	Qty.	Description
-	163409	-	EXTERNAL PLATFORM RAILING ASSEMBLY (96" x 36")
1	144706	1	• TUBE, External railing (Right)
2	144712	1	• TUBE, External railing (Left)
3	144048	2	• PLUG, Round end
4	144747	8	• WELDMENT, External railing stand-off
5	115649	16	• NUT, Hex head (1/4"-20 Grade 5, nylon)
6	103995	32	• WASHER, Flat (1/4")
7	103861	16	• BOLT, Hex head (1/4"-20 x 2" Grade 5)
8	104183	2	• PAD, Entry railing (1')
L1	115543	6	• LABEL, Warning no step
L2	137988	6	• LABEL, Hazard crush/pinch point
L3	144722	2	• LABEL, Capacity (475 lb/2 person)
L4	119803	1	• LABEL, Caution tape



M144026AA2

Index No.	Skyjack Part No.	Qty.	Description
-	148353	-	FLASHING LIGHT ASSEMBLY
1	144078	1	• ASSEMBLY, Flashing amber light
2	143971	1	• • STROBE LIGHT, Amber (12/24 VDC)
	144215	1	• • • FLASH TUBE
3	117596	1	• • • CONNECTOR RECEPTACLE (2 pin)
4	117590	2	• • • CONNECTOR CONTACT PIN (16/18 GA)
5	117598	1	• • • WEDGE, Receptacle (2 pin)
6	124399	4"	• • • SPLIT LOOM (1/4 inch)
7	144079	1	• HARNESS, Flashing amber light
8	117597	1	• • PLUG, Connector (2 pin)
9	117591	2	• • SOCKET, Connector contact (16/18 GA)
10	117599	1	• • WEDGE, Plug (2 pin)
11	103256	120	• • CABTIRE, SJ (18/2)
12	122498	3	• SCREW, Machine round head (10-32 x 1-1/4")
13	300450	3	• NUT, Lock nylon insert (10-32)
14	104694	3	• WASHER, Flat (10-32)
15	102972	3	• CLIP, Double (G8)
16	103041	1	• CONNECTOR, Strain relief (blue)

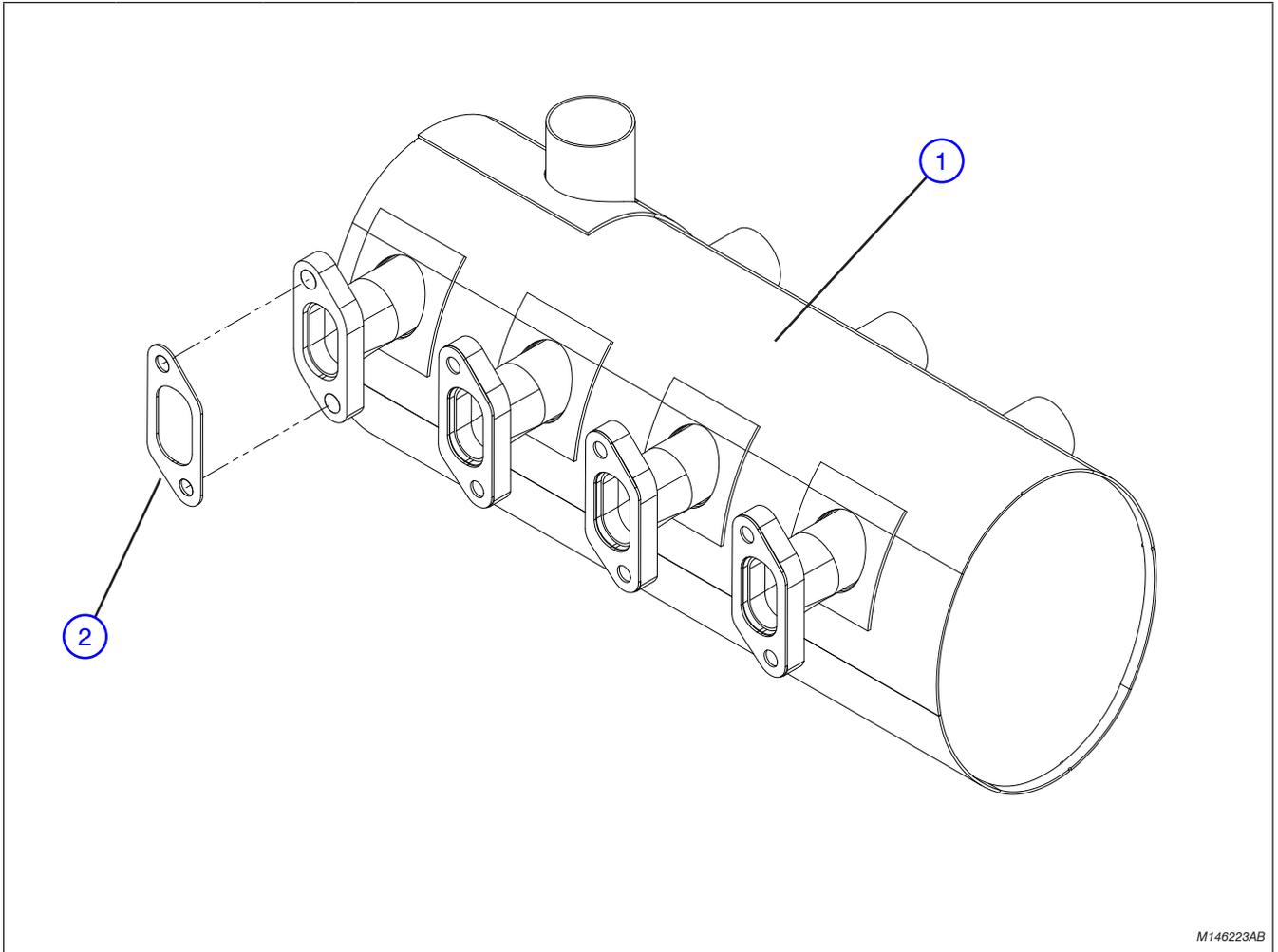
9.20 Air Hose To Platform Option



ML3F-1017AA

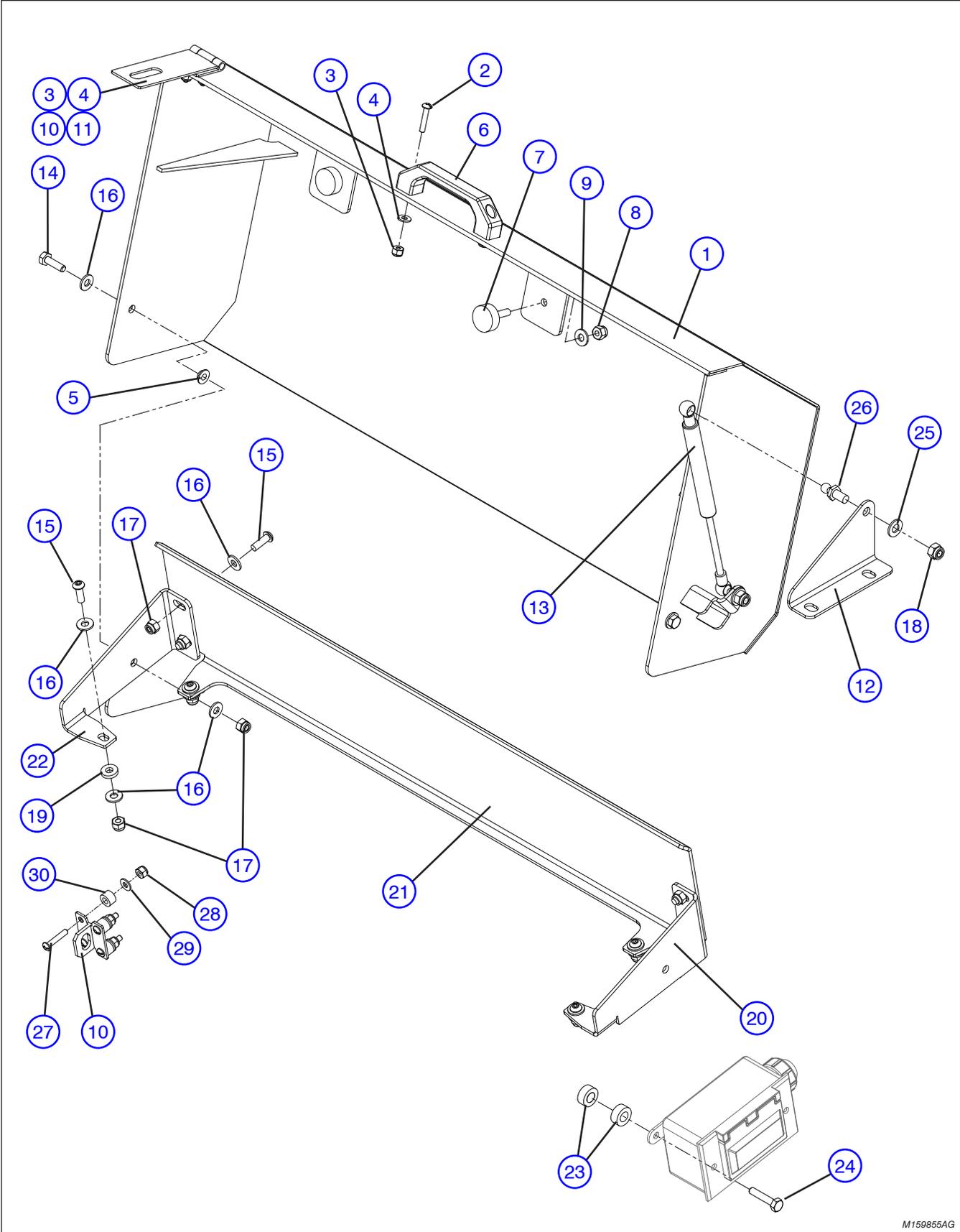
Index No.	Skyjack Part No.	Qty.	Description
A	146735	-	AIR HOSE TO PLATFORM (SJ 61T)
B	147420	-	AIR HOSE TO PLATFORM (SJ 66T)
1	107882	1	<ul style="list-style-type: none"> • FITTING, Female disconnect (#B22E) • FITTING, Male disconnect (16.1262) • HOSE, Air (1/2" diameter) A • HOSE, Air (1/2" diameter) B • FITTING, Hose barb (Brass)
	107883	1	
	107884	960"	
	109050	1032"	
		2	

9.21 Diesel Scrubber



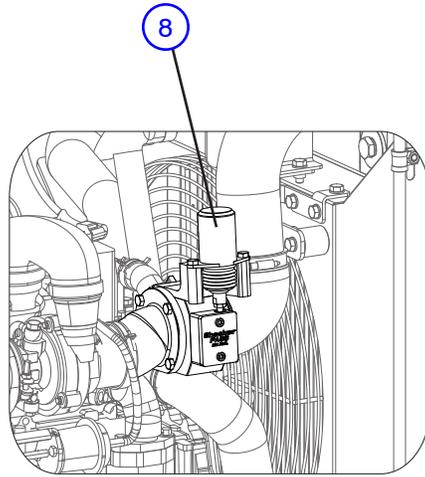
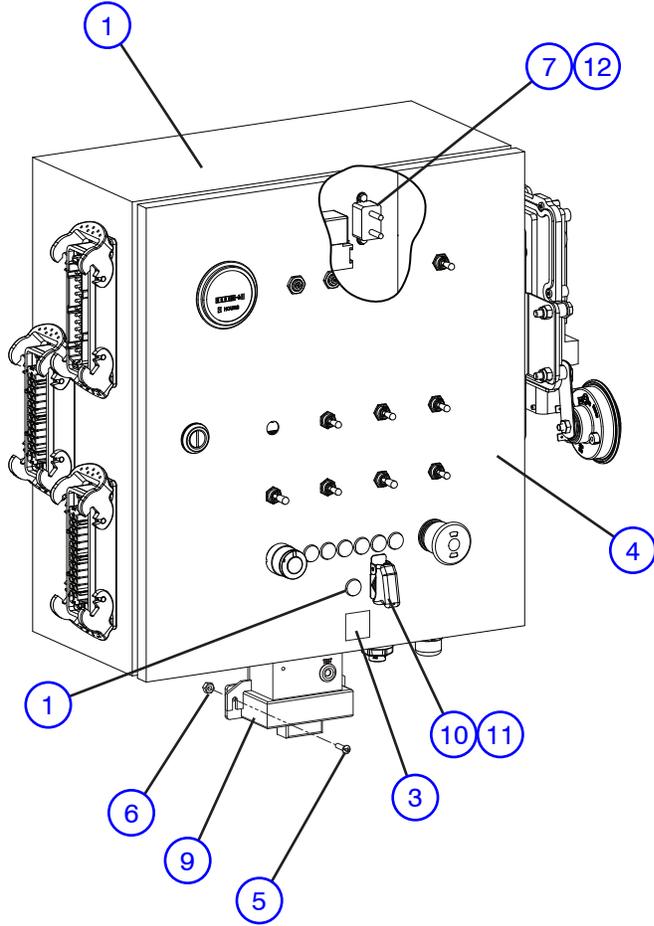
M146223AB

Index No.	Skyjack Part No.	Qty.	Description
-	146223	1	DIESEL SCRUBBER (Deutz D2011)
1	148419	1	• MUFFLER, Diesel Scrubber
2	144299	4	• GASKET, Catalytic muffler

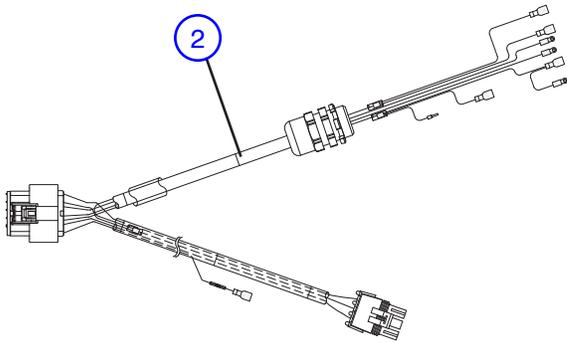


M159855AG

Index No.	Skyjack Part No.	Qty.	Description
-	159855	-	CONTROL BOX COVER
-	159863	1	• COVER ASSEMBLY, Control box
1	159907	1	• • COVER, Control box
2	105621	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 (1/4" ID x 3/16")
6	137653	1	• • HANDLE, Pull
7	144015	2	• • MOUNT, Anti-vibration
8	115649	2	• • NUT, Hex lock (1/4"-20 Grade 5, nylon)
9	103995	2	• • WASHER, Flat (1/4")
10	157052	1	• • HASP, Padlock
11	167202	3	• • SCREW, Flat head machine (#10-32 x 0.75")
12	154323	1	• BRACKET, Gas spring
13	162101	1	• GAS SPRING, Control box cover
14	103891	2	• BOLT, Hex head (1/4"-20 x 7/8" Grade 5)
15	139168	8	• SCREW, Button head cap (1/4"-20 x 3/4")
16	103995	16	• WASHER, Flat (1/4")
17	115649	10	• NUT, Hex lock (1/4"-20 Grade 5, nylon)
18	103984	2	• NUT, Hex lock (5/16"-18 Grade 5, nylon)
19	159956	4	• WASHER, Rubber (1/4")
20	162048	1	• PLATE, Right side cover
21	162050	1	• PLATE, Back cover
22	162049	1	• PLATE, Left side cover
23	159960	4	• SPACER, (3/4" OD)
24	103858	2	• BOLT, Hex head (1/4"-20 x 1 1/4" Grade 5)
25	103996	2	• WASHER, Flat (5/16")
26	162123	2	• STUD, Ball (10mm x 0.54")
27	105621	4	• SCREW, Round head machine (#10-32 x 1.00")
28	300450	4	• NUT, Hex head nylon lock (#10-32, Grade 5)
29	104694	4	• WASHER, Flat (#10)
30	190020	4	• SPACER, Plastic (0.50" OD x 0.3125" long x 0.26" ID)
31	162078	1	• INSTRUCTION, Installation (not shown)

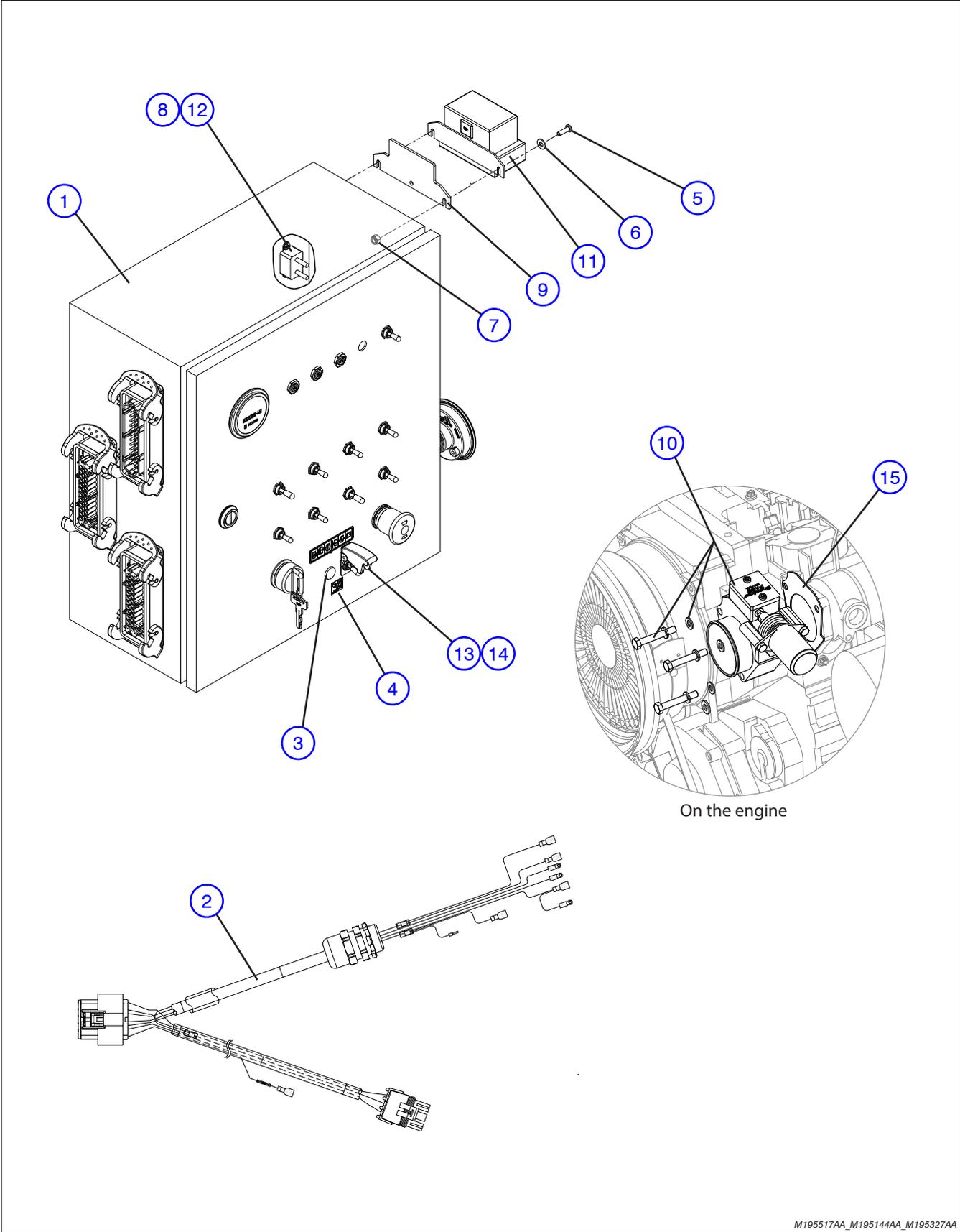


On the engine



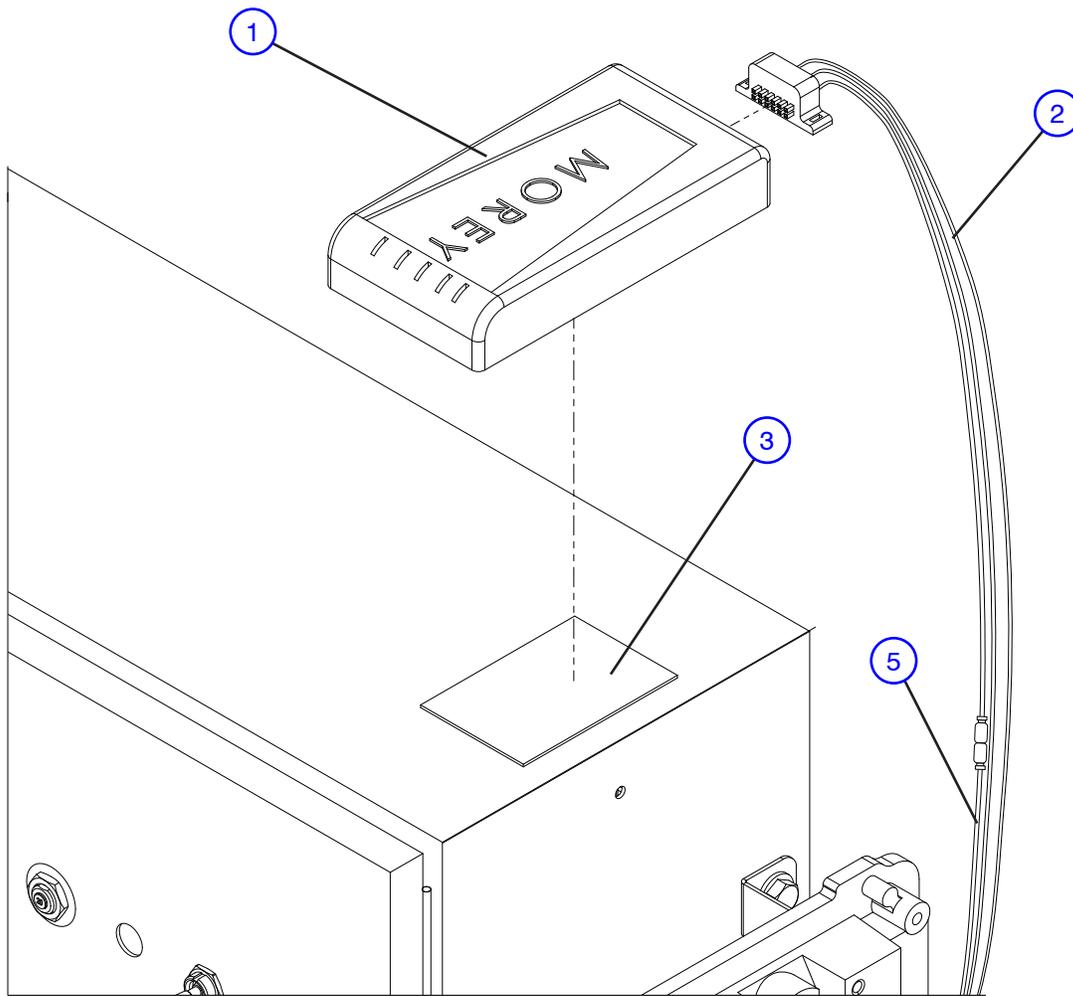
M194222AA_M192007AA_M194146ABAA

Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	1	BASE CONTROLS FOR POSITIVE AIR SHUT-OFF (ANSI/CSA Deutz TD2.9L) (For components, refer to Section 4.20)
2	192007	1	• HARNESS, Positive air shut-off option
3	169923	1	• LABEL, Positive air shutoff switch
4	(Ref.)	1	• LABELS, Base controls & relays (For components, refer to Section 10.6)
-	194146	-	POSITIVE AIR SHUT-OFF VALVE
5	116192	2	• SCREW, Round head machine (8-32 x 0.625")
6	138765	2	• NUT, Hex head nylon lock (8-32 gr 5)
7	112327	2	• BOLT, Self-tapping (8-18 x 0.50")
8	168544	1	• SHUTOFF SYSTEM, Positive air - DZTA2.9T4-12VAR
9	171821	1	• • LIMITER, Automatic rev - R5
10	171826	1	• • COVER, Toggle safety (red)
11	115574	1	• • SWITCH, Toggle (1NT1-2)
12	171899	1	• • CIRCUIT BREAKER, Auto reset (20 amp)



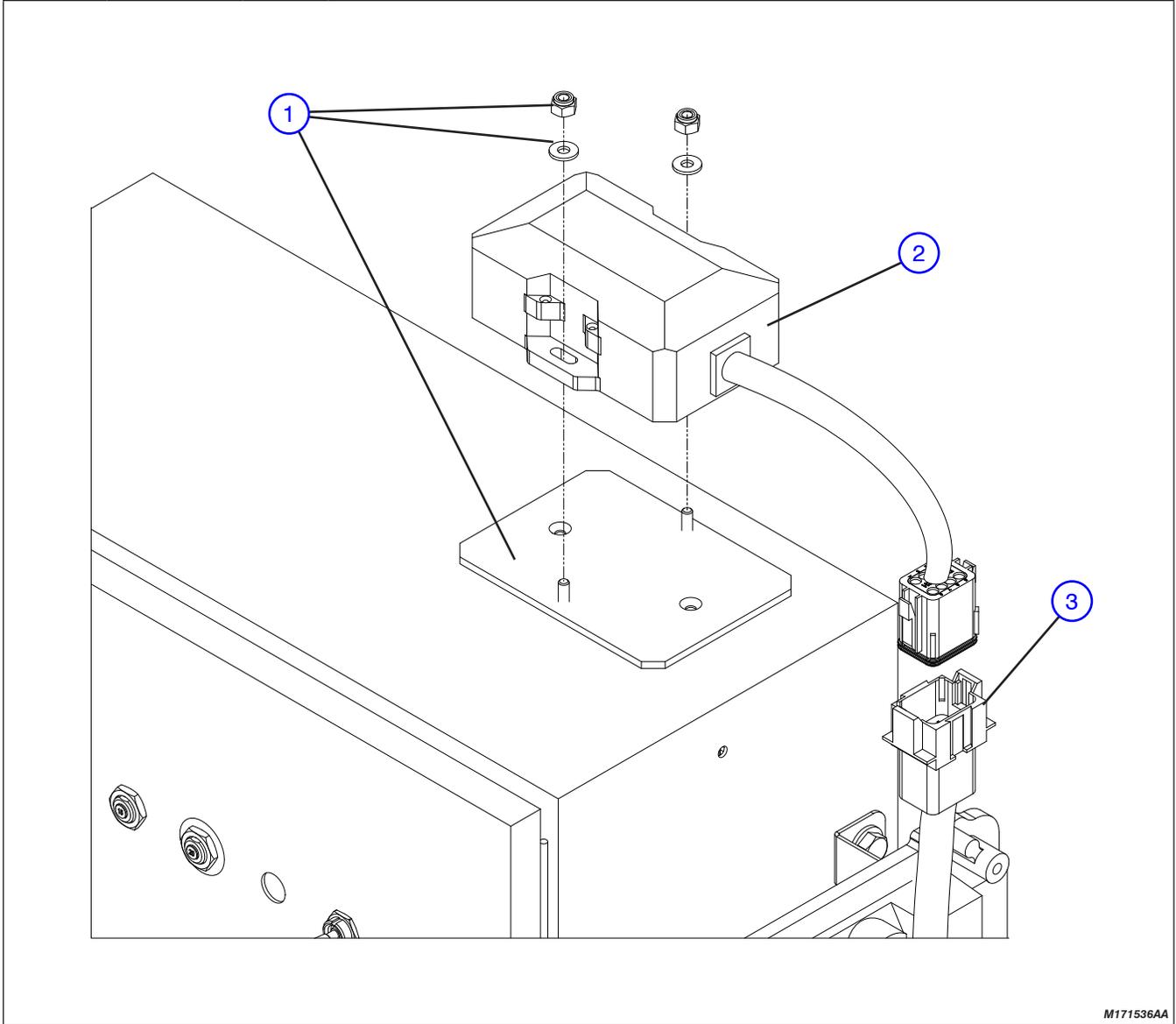
M195517AA_M195144AA_M195327AA

Index No.	Skyjack Part No.	Qty.	Description
A	195515	1	BASE CONTROLS WITH POSI-AIR SHUT-OFF (61T Deutz D2011 ANSI/CSA)
B	195517	1	BASE CONTROLS WITH POSI-AIR SHUT-OFF (66T Deutz D2011 ANSI/CSA)
1	195340	1	<ul style="list-style-type: none"> • BASE CONTROL BOX WITH MODIFICATIONS, A • BASE CONTROL BOX WITH MODIFICATIONS, B (For components, refer to Section 4.21)
	195147	1	
2	195144	1	<ul style="list-style-type: none"> • • HARNESS, Positive air shut-off option
3	164832	1	<ul style="list-style-type: none"> • • INDICATOR, Light (red)
4	169923	1	<ul style="list-style-type: none"> • LABEL, Positive air shut-off
5	120094	2	<ul style="list-style-type: none"> • SCREW, Round head machine (10-32 x 0.625")
6	104694	2	<ul style="list-style-type: none"> • WASHER, Flat (#10)
7	300450	4	<ul style="list-style-type: none"> • NUT, Hex head nylon lock (10-32, grade 5)
8	115545	2	<ul style="list-style-type: none"> • SCREW, Round head machine (#10-32 x 0.375")
9	195404	1	<ul style="list-style-type: none"> • BACKPLATE, PASO controller
-	195327	1	POSITIVE AIR SHUT-OFF SYSTEM (Deutz D2011 ANSI/CSA)
10	195326	1	<ul style="list-style-type: none"> • VALVE, Positive air shut-off - Deutz 2011
11	171821	1	<ul style="list-style-type: none"> • LIMITER, Automatic rev - R5
12	171899	1	<ul style="list-style-type: none"> • CIRCUIT BREAKER, Auto reset (20 amp)
13	171826	1	<ul style="list-style-type: none"> • COVER, Toggle safety (red)
14	115574	1	<ul style="list-style-type: none"> • SWITCH, Toggle (1NT1-2)
15	195379	1	<ul style="list-style-type: none"> • GASKET, PASO - Deutz D201



M171536AA

Index No.	Skyjack Part No.	Qty.	Description
-	194007	-	TELEMATICS, Morey MC-3
1	167761	1	• TELEMATICS, Morey MC-3
2	167764	1	• HARNESS, Telematics - Morey (3 wire)
3	194008	1	• TAPE, VHB
-	171670	1	• WIRING, Telematics - Morey
4	171671	1	• • HARNESS, To master disconnect
5	127131	1	• • RELAY, 12 V, 40 amp (not shown)



M171536AA

Index No.	Skyjack Part No.	Qty.	Description
-	171102	-	TELEMATICS, ZTR
1	170994	1	• MOUNTING KIT, M6 ZTR telematics
2	170995	1	• TELEMATICS, M6 ZTR with deutsch connector
3	171104	1	• HARNESS ASSEMBLY, Telematics - ZTR
	127131	1	• • RELAY, 12 V, 40 amp (not shown)
	171989	1	• • HARNESS, Telematics

10.1 *Label Kit*

10.2 *Labels - Platform Control Console*

10.3 *Labels - Front and Bottom*

10.4 *Labels - Engine Side*

10.5 *Labels - Controls Side*

10.6 *Labels - Controls Compartment*

10.7 *Labels - Engine Compartment*

10.8 *Labels - Platform*

10.9 *Labels - Engine Fuel*

Label Kits

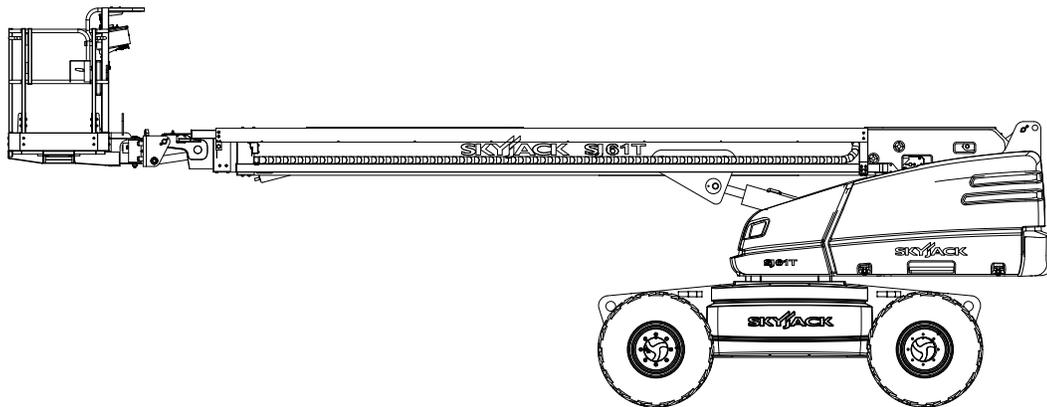
The following label kit is for models SJ 61T and 66T. It contains labels that are common to both machines.

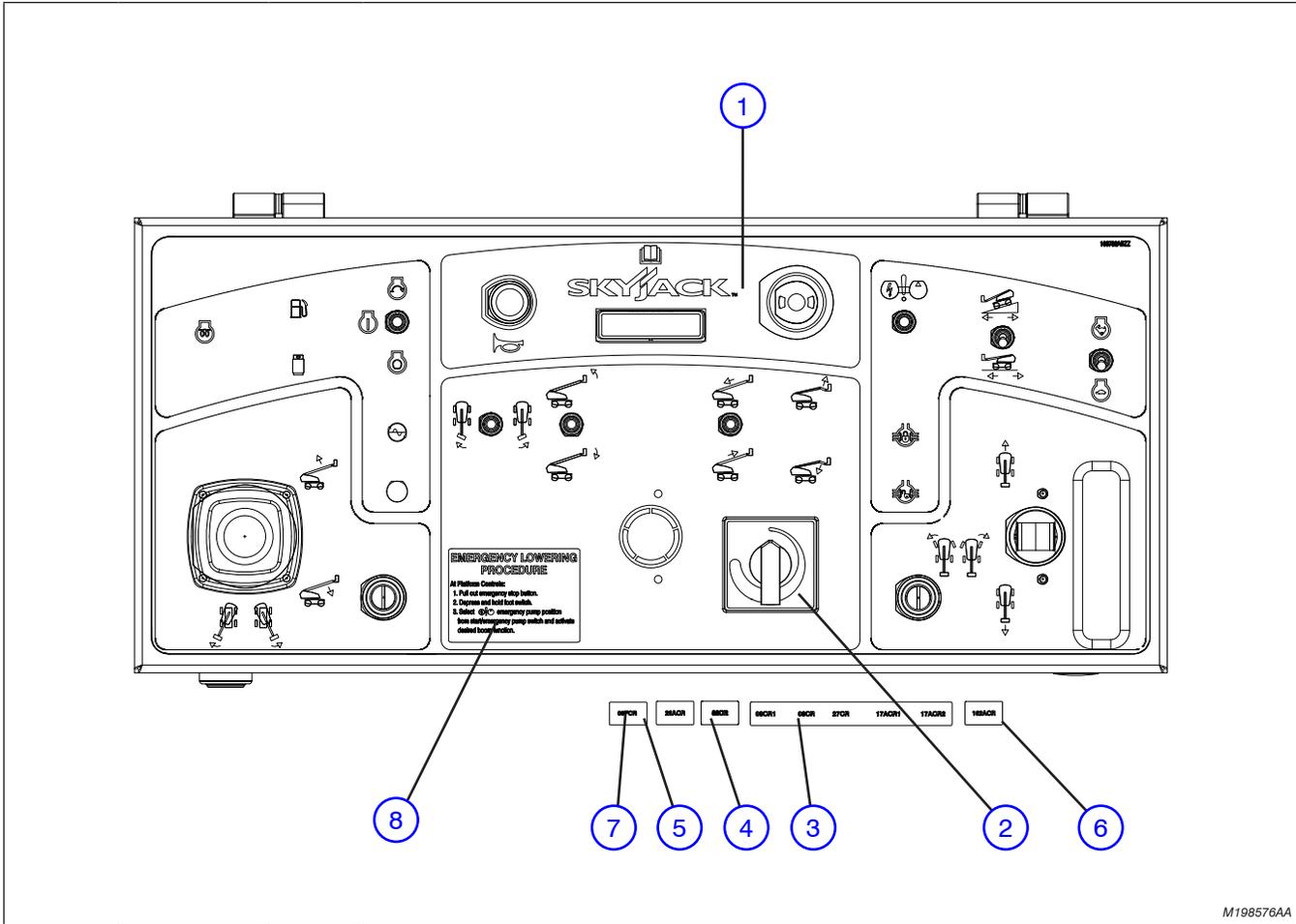
It excludes:

- Serial numbers
- Platform capacities
- Model designations
- Control consoles

Supply model number, country and language when ordering complete machine labels.

Label Kits		
MODELS	ANSI/CSA	CE
	Part 166307	Part 166308
SJ 61T	97,000,918 & Above	97,000,918 & Above
SJ 66T	97,000,918 & Above	97,000,918 & Above

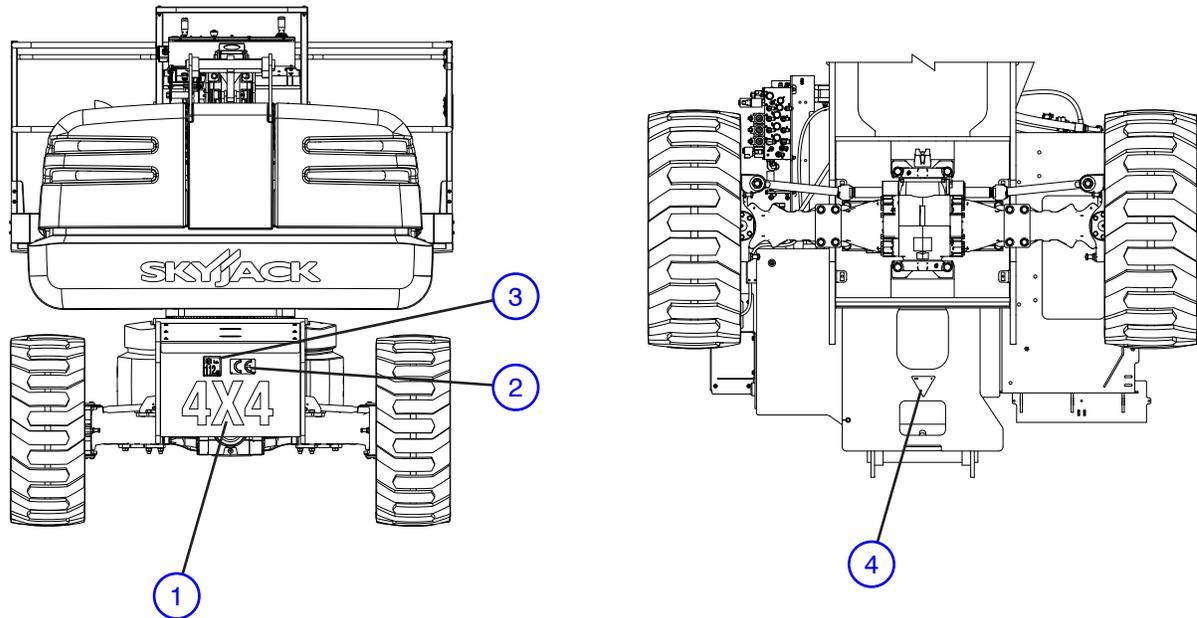




M198576AA

Index No.	Skyjack Part No.	Qty.	Description
A	168012	1	LABEL ASSEMBLY, Platform Controls (ANSI/CSA)
B	198571	1	LABEL ASSEMBLY, Platform Controls (CE)
C	198576	1	LABEL ASSEMBLY, Platform Controls (AS)
1	166782	1	• LABEL, Platform control box
2	142428	1	• LABEL, Boom rotary pot
3	165039	1	• LABEL, Relay names
4	144416	1	• LABEL, Relay 82CR, B, C
5	169725	1	• LABEL, Relay 26ACR, C
6	195177	1	• LABEL, Relay 165CR, A
7	172214	1	• LABEL, Relay 162ACR, B, C
7	196461	1	• LABEL, Relay 08FCR
8	143813	1	LABEL, Emergency lowering at platform control (ANSI/CSA)
8	147156	1	LABEL, Emergency lowering at platform control (CE & AS)

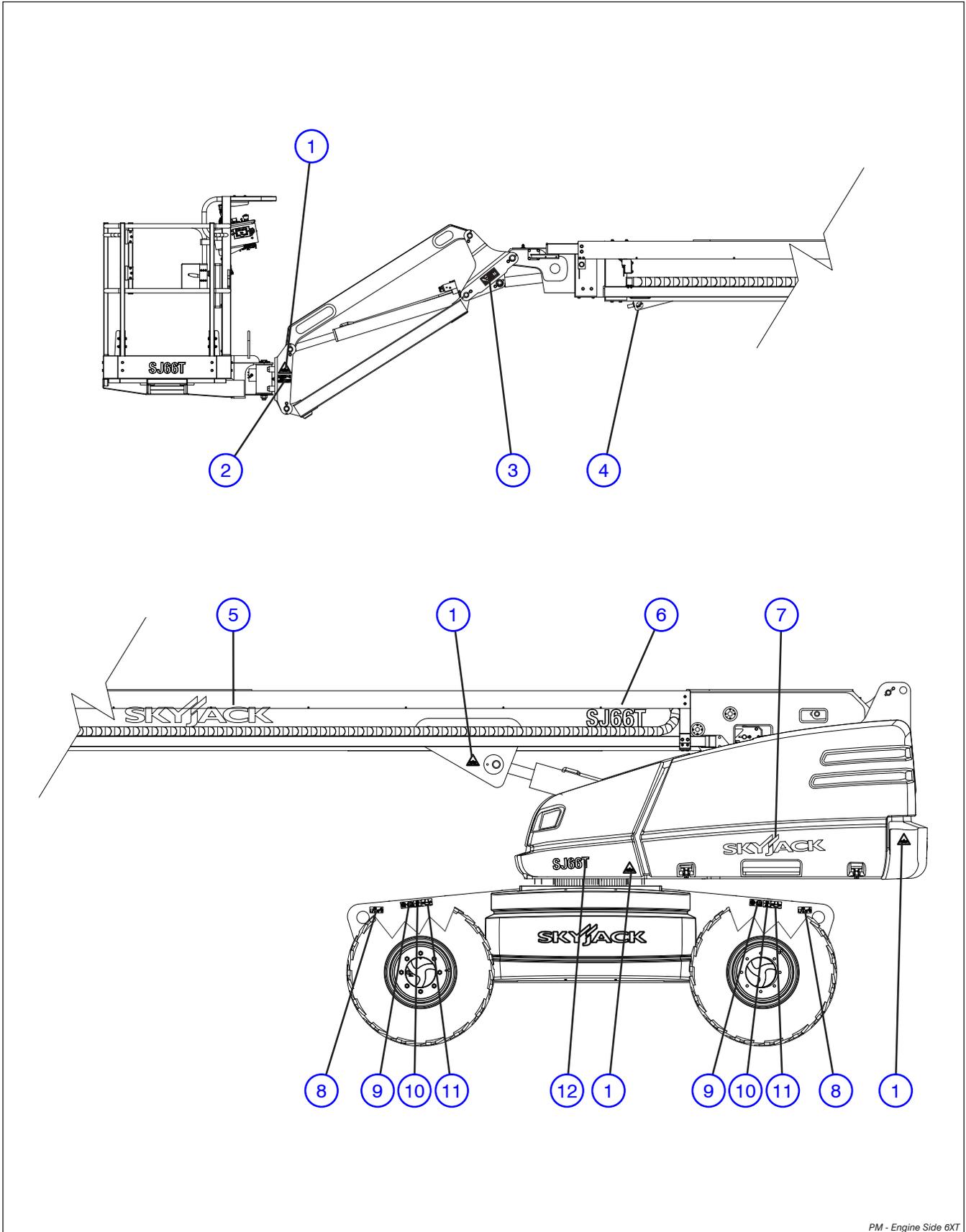
10.3 Labels - Front and Bottom



PM - Front and Bottom 6XT

Index No.	Skyjack Part No.	Qty.	Description
1	159509	2	LABEL, "4X4" (Front & Back)
2	117023	2	LABEL, "CE" mark (CE) (Front & Back)
3	150976	2	LABEL, Sound power level (CE&AS) (Front & Back)
4	137988	1	LABEL, Crush/Pinch point

10.4 Labels - Engine Side

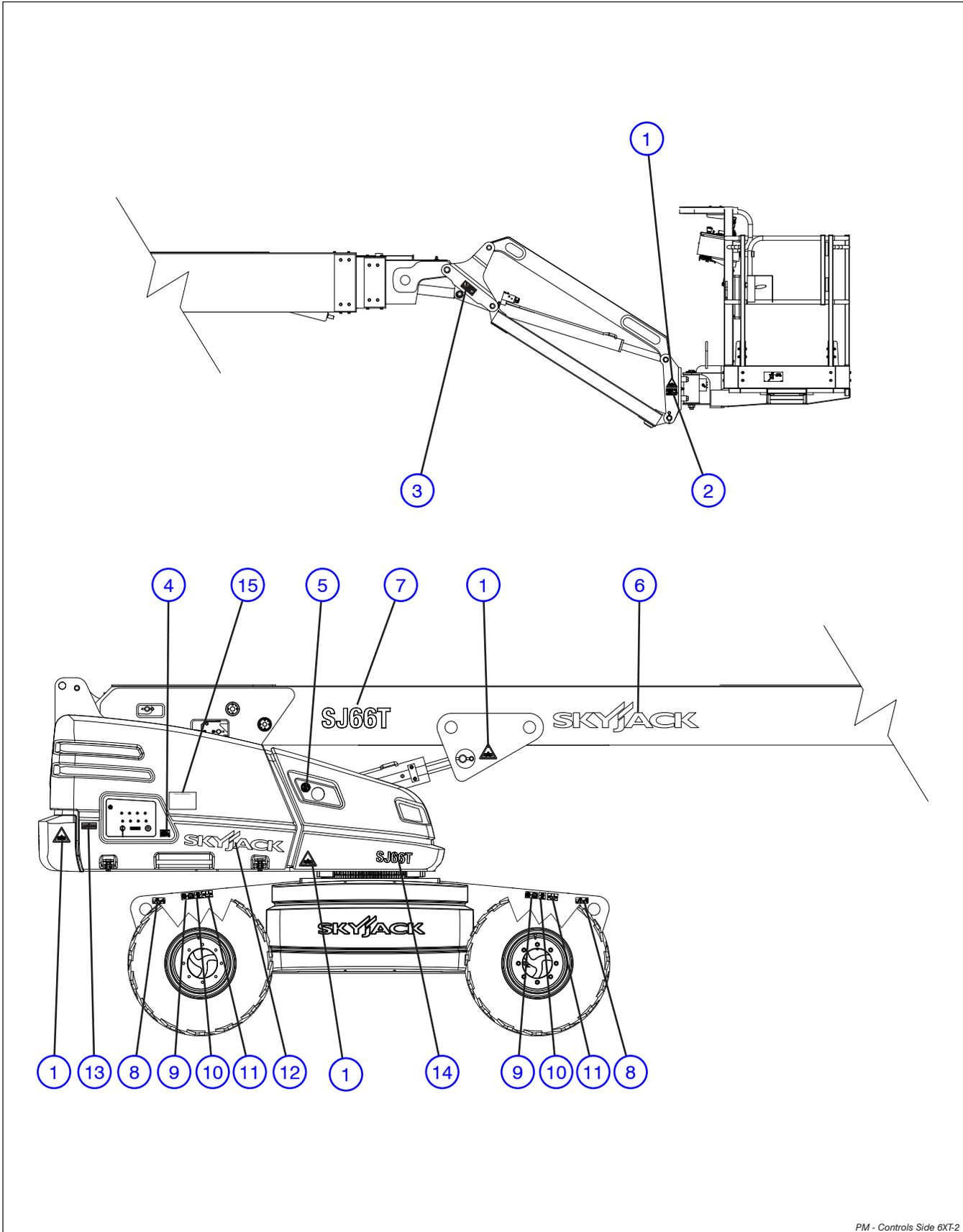


PM - Engine Side 6XT

10.4 Labels - Engine Side

Index No.	Skyjack Part No.	Qty.	Description
1	139314	4	LABEL, Body crush
2	147111	1	LABEL, Transportation tie down points (CE/AS)
3	137988	1	LABEL, Crush/Pinch point
4	156613	1	LABEL, Do not alter
5	164767	1	LABEL, Skyjack (63")
6	164644	1	LABEL, SJ61T (25") (Not included in kit)
	164648	1	LABEL, SJ66T (25") (Not included in kit)
7	158555	1	LABEL, Skyjack logo
8	124767	2	LABEL, Tie down/lift lugs
9	124631	2	LABEL, Wheel info
10	169384	2	LABEL, Wheel load (5600kg/12360lb) (Model 61T) (not included in kit)
	169383	2	LABEL, Wheel load (6300kg/13900lb) (Model 66T) (not included in kit)
11	149551	2	LABEL, Tire pressure (95 psi) (Standard air tires) (Not included in kit)
	169350	2	LABEL, Tire pressure (100 psi) (High floatation air tires) (Not included in kit)
	142384	2	LABEL, Foam fill only (Foam tires) (Not included in kit)
12	164645	1	LABEL, SJ61T (10") (Model 61T) (Not included in kit)
	164647	1	LABEL, SJ66T (10") (Model 66T) (Not included in kit)

10.5 Labels - Controls Side



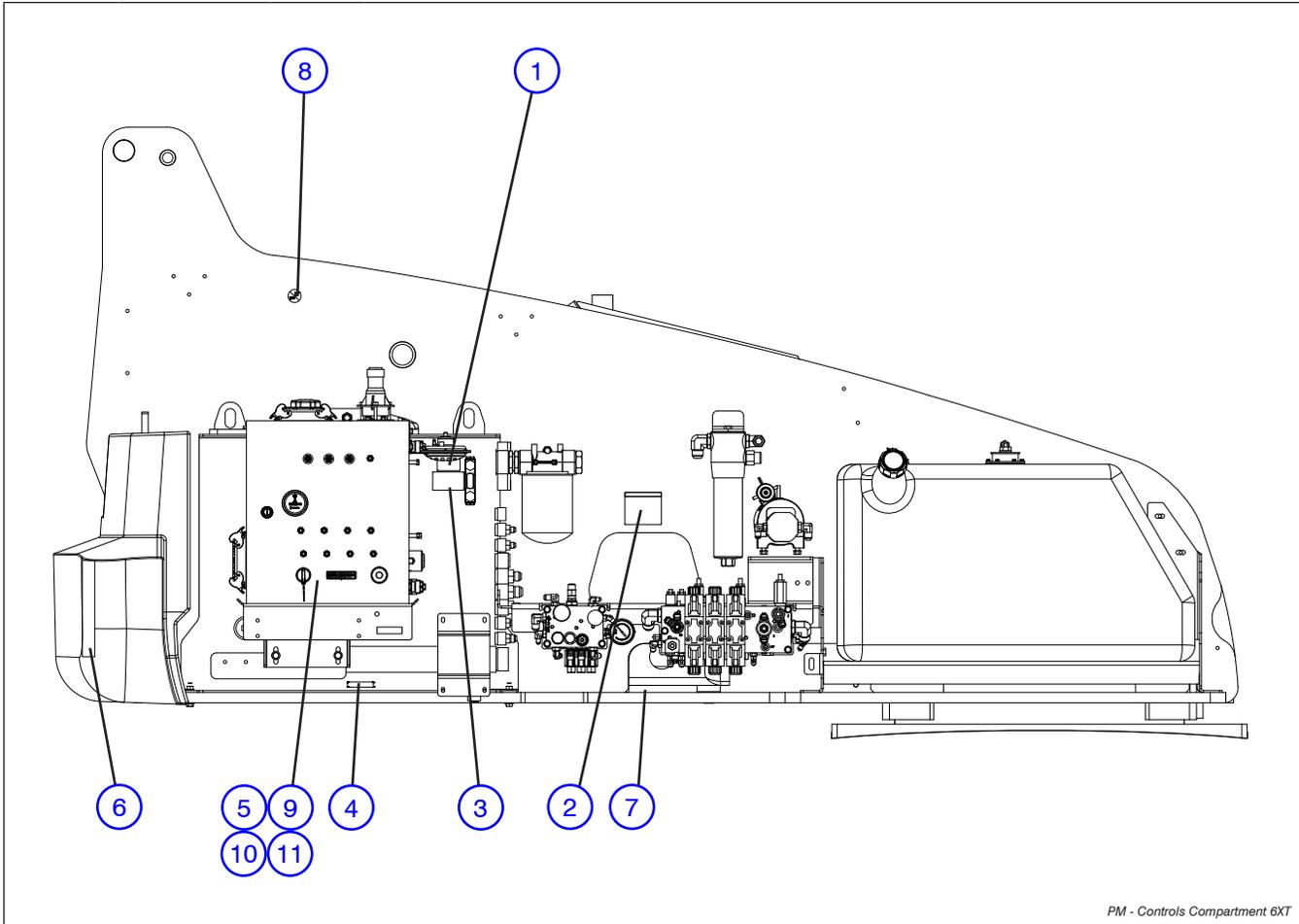
PM - Controls Side 6XT-2

10.5 Labels - Controls Side

Index No.	Skyjack Part No.	Qty.	Description
1	139314	4	LABEL, Body crush
2	147111	1	LABEL, Transportation tie down points (CE/AS)
3	137988	1	LABEL, Crush/Pinch point
4	143760	1	LABEL, Emergency lowering at base controls (ANSI/CSA/AS)
	147100	1	LABEL, Emergency lowering at base controls (CE)
5	138146	1	LABEL, No smoking
6	164767	1	LABEL, Skyjack (63")
7	164644	1	LABEL, SJ61T (25") (Not included in kit)
	164648	1	LABEL, SJ66T (25") (Not included in kit)
8	124767	2	LABEL, Tie down/lift lugs
9	124631	2	LABEL, Wheel info
10	169384	2	LABEL, Wheel load (5600kg/12360lb) (Model 61T) (not included in kit)
	169383	2	LABEL, Wheel load (6300kg/13900lb) (Model 66T) (not included in kit)
11	149551	2	LABEL, Tire pressure (95 psi) (Standard air tires) (Not included in kit)
	169350	2	LABEL, Tire pressure (100 psi) (High floatation air tires) (Not included in kit)
	142384	2	LABEL, Foam fill only (Foam tires) (Not included in kit)
12	158555	1	LABEL, Skyjack logo
13	156441	1	LABEL, Annual inspection
14	164645	1	LABEL, SJ61T (10") (Not included in kit)
	164647	1	LABEL, SJ66T (10") (Not included in kit)
15	161631	1	LABEL, Power line clearance (AS)

10.6 Labels - Controls Compartment

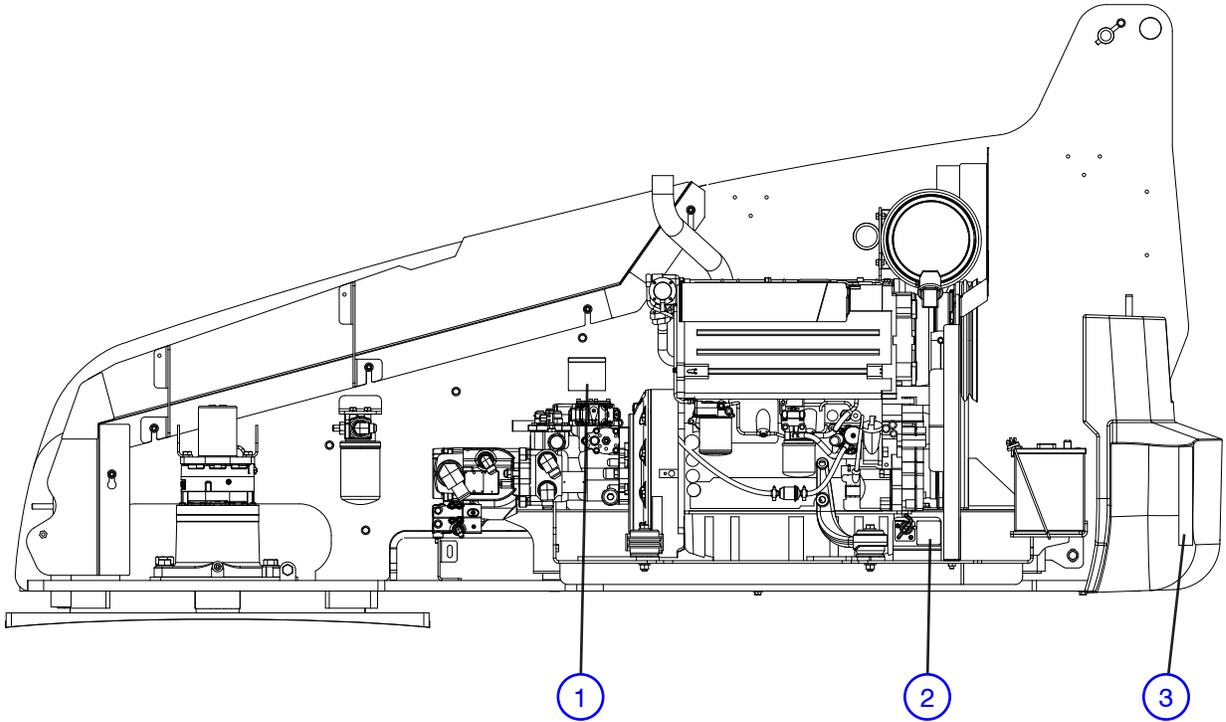
AC



PM - Controls Compartment 6XT

Index No.	Skyjack Part No.	Qty.	Description
1	143593	1	LABEL, Hydraulic oil Tellus T46
2	161139	1	LABEL, Caution winch/tow procedure
3	146016	1	LABEL, Hydraulic oil level (Min/Max)
4	138211	1	LABEL, Connect AC supply
5*	148384	1	LABEL, Base control (Deutz D2011 or GM engines - ANSI/CSA & AS)
	170770	1	LABEL, Base control (Deutz D2011 engine - CE)
	164820	1	LABEL, Base control (Deutz TD2.9L engine - ANSI/CSA)
	194142	1	LABEL, Base control (Deutz TD2.9L engine with Posi-Air Option - ANSI/CSA)
	171003	1	LABEL, Base control (Deutz TD2.9L engine - CE)
6*	119803	11.5"	LABEL, Caution tape (CE & AS)
7	152230	1	LABEL, Grease point
8	156613	1	LABEL, Do not alter
9*	165809	1	LABEL, Upper relays (Deutz D2011 or GM engines - ANSI/CSA & AS)
	170768	1	LABEL, Upper relays (Deutz D2011 engine - CE)
	164821	1	LABEL, Upper relays (Deutz TD2.9L engine - ANSI/CSA)
	170967	1	LABEL, Upper relays (Deutz TD2.9L engine - CE)
10*	165810	1	LABEL, Lower relays (Deutz D2011 or GM engines - ANSI/CSA & AS)
	170769	1	LABEL, Lower relays (Deutz D2011 engine - CE)
	164822	1	LABEL, Lower relays (Deutz TD2.9L engine - ANSI/CSA & CE)
11*	194143	1	LABEL, Relay 403 ACR ((Deutz TD2.9L with Posi-Air Option - ANSI/CSA)
*			Labels with an * are not included in the label kit

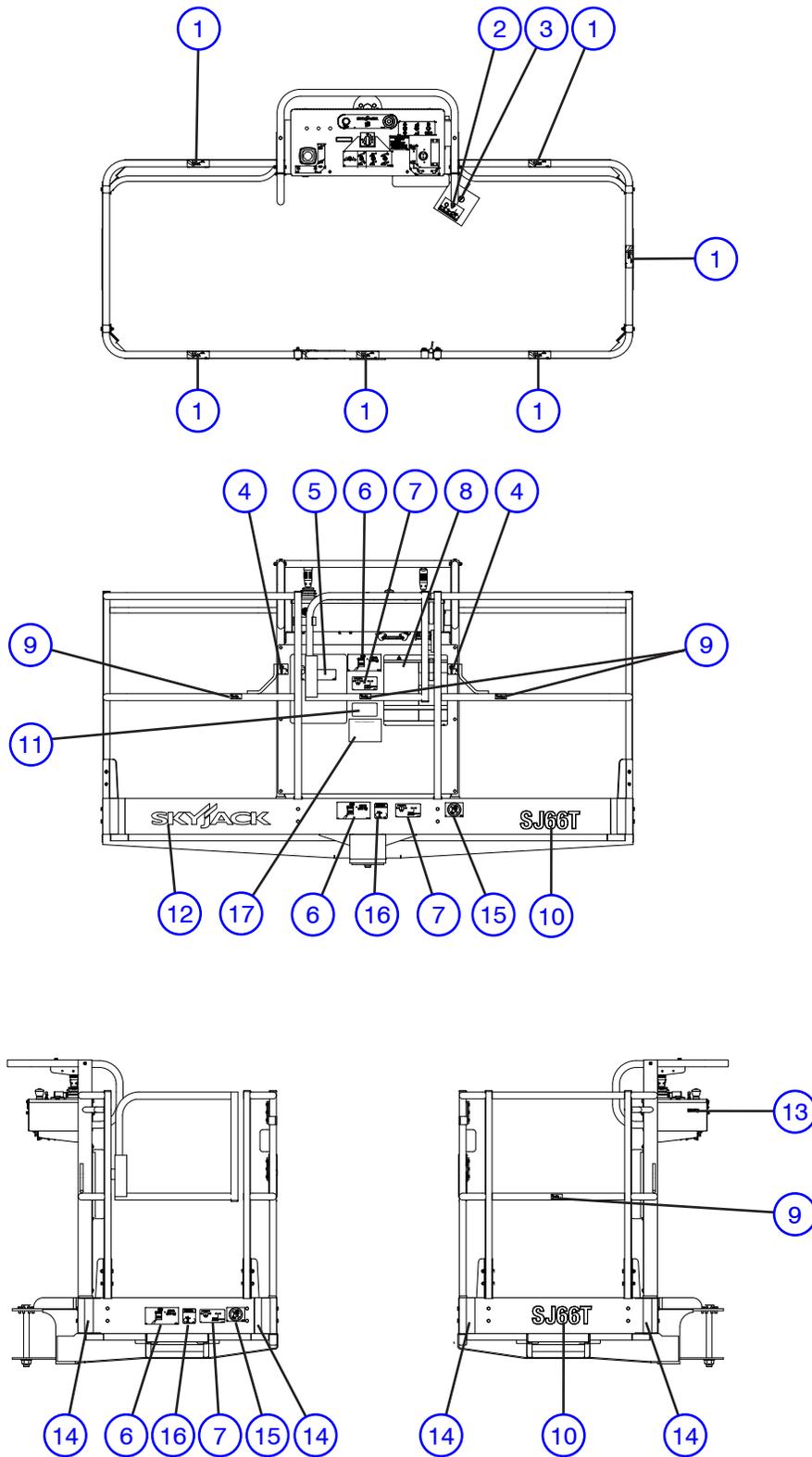
10.7 Labels - Engine Compartment



PM - Engine Compartment 6XT

Index No.	Skyjack Part No.	Qty.	Description
1	161139	1	LABEL, Caution winch/tow procedure
2	119674	1	LABEL, Battery disconnect switch
3	119803	11.5"	LABEL, Caution tape (CE&AS) (not included in kit)

10.8 Labels - Platform

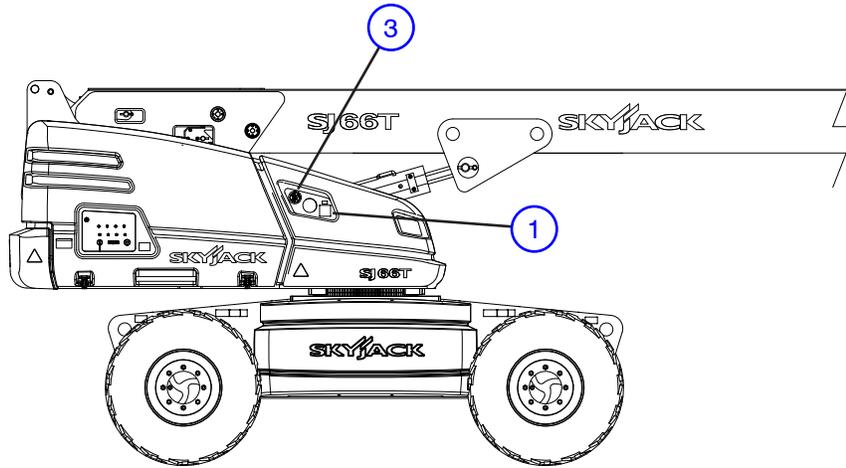


PM - Operator Platform 6XT-2

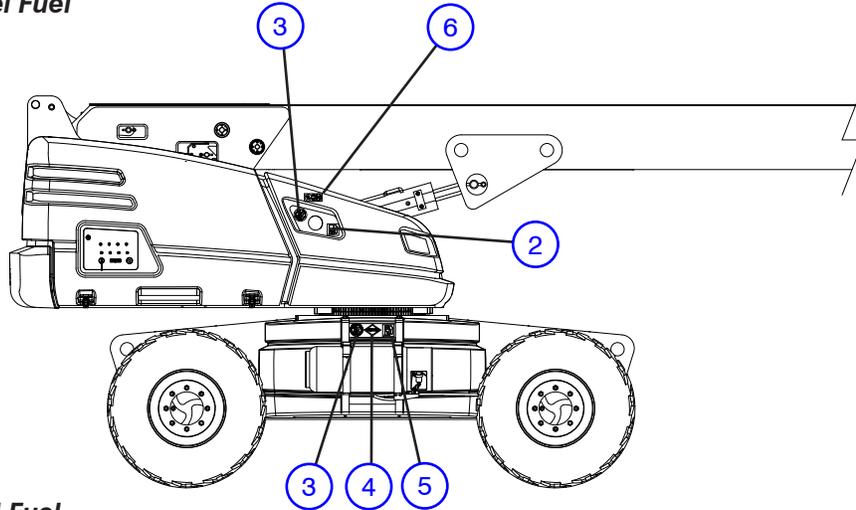
10.8 Labels - Platform

Index No.	Skyjack Part No.	Qty.	Description
1	137988	6	LABEL, Crush/Pinch point
2	143638	1	LABEL, Footswitch enable (on/off)
3	156613	1	LABEL, Do not alter
4	130018	2	LABEL, Harness anchorage
5	123628	1	LABEL, Manual box
6	139689	2	LABEL, Platform capacity (500 lb/227 kg) (with single side gate entrance)
	139689	4	LABEL, Platform capacity (500 lb/227 kg) (with three drop bar entrances) (Platform capacity labels are not included in kit)
7	124465	2	LABEL, Horizontal load rating (with single side gate entrance)
	124465	4	LABEL, Horizontal load rating (with three drop bar entrances)
8	159500	1	LABEL, Danger/warning booms
9	115543	6	LABEL, Warning no step
10	164645	2	LABEL, SJ61T (10") (with single side gate entrance) (Not included in kit)
	164645	1	LABEL, SJ61T (10") (with three drop bar entrances) (Not included in kit)
	164647	2	LABEL, SJ66T (10") (with single side gate entrance) (Not included in kit)
	164647	1	LABEL, SJ66T (10") (with three drop bar entrances) (Not included in kit)
11	147043	1	LABEL, AWPT "Click It!"
12	158554	1	LABEL, Skyjack logo
13	138211	1	LABEL, Connect AC supply
14	119803	26"	LABEL, Caution tape (CE&AS) (not included in kit)
15	124362	1	LABEL, Warning do not wear jewelry (with single side gate entrance)
	124362	3	LABEL, Warning do not wear jewelry (with three drop bar entrances)
16	159513	1	LABEL, Daily maintenance checklist (with single side gate entrance)
	159513	3	LABEL, Daily maintenance checklist (with three drop bar entrances)
17	114252	1	LABEL, California proposition 65 warning (ANSI/CSA)
	161631	1	LABEL, Power line clearance (AS)

10.9 Labels - Engine Fuel



Diesel Fuel



Dual Fuel

M163653AA_M148462AB

Index No.	Skyjack Part No.	Qty.	Description
1	162852	1	LABEL, Ultra low sulfur diesel fuel only
2	132400	1	LABEL, Unleaded fuel only
3	138146	2	LABEL, No smoking (Single propane tank)
		3	LABEL, No smoking (Dual propane tanks)
4	120390	1	LABEL, Propane Pictorial (Single propane tank)
		2	LABEL, Propane Pictorial (Dual propane tanks)
5	103023	1	LABEL, LPG fuel (Single propane tank)
	103023	2	LABEL, LPG fuel (Dual propane tanks)
6	168457	1	LABEL, Open fuel cap slowly

11.1 *Fluids*

11.2 *Grease Locations - Axle*

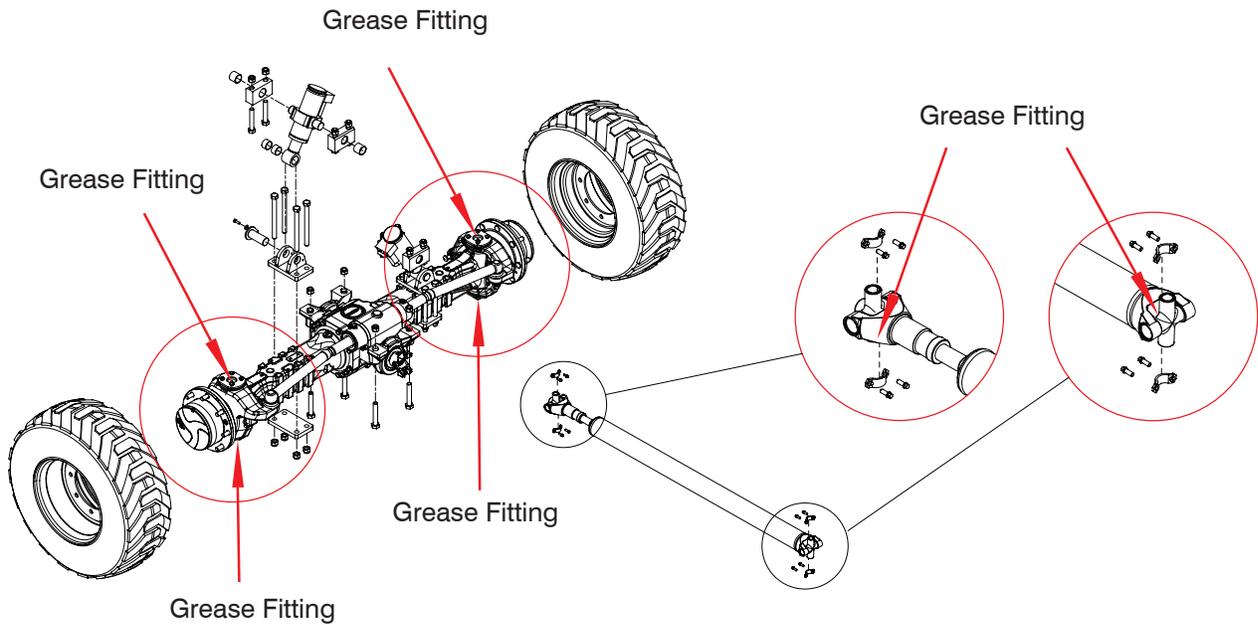
11.3 *Grease Locations - Gears*

11.4 *Filters*

11.1 Fluids

MODEL				SJ 61T	SJ 66T
Hydraulic Oil	Hydraulic Oil Cooler Option	Ambient Temperature Limits	100°F to 115°F (+38°C to +45°C)	Oil cooler option recommended	
	Standard		-15°F to 100°F	Shell Tellus T48	
	Factory Fill		(-26°C to +38°C)	Esso/Mobil UNIVIS HVI 26	
	Arctic Oil Option		- 40°F to 100°F (- 40°C to +38°C)	Petro-Canada HYDREX EXTREME	
	Apporved Alternates		-15°F to 100°F (-26°C to +38°C)	Mobilfluid 424, Esso UNIVIS N46, Chevron Rycon MV	
			- 40°F to 80°F (- 40°C to +27°C)	Mobil DTE 13M, Esso UNIVIS N22 Petro-Canada HYDREX MV Arctic 17	
			Hydraulic Tank Capacity		61 gal (223.3 L)
Axle	Oil	Recommended Type		LS 80W-90 GL5	
		Capacity		0.25 gal (0.94 L)	0.25 gal (0.94 L)
		Skjack Part Number		134612	
Swing Drive	Oil	Recommended Type		LS 80W-90 GL5	
		Skjack Part Number		134612	
Engine - Deutz TD2.9L	Engine Type		Deutz TD2.9L		
	RPM Settings		900 Low / 1600 / 2600 High		
	Gross Intermittent HP		55.4 kW / 75 Hp		
	Horsepower @ 2600 rpm (intermittent)		55.4 kW / 75 Hp		
	Fuel Type		Diesel		
	Fuel Tank Capacity		47 gal (170.3 L)		
	Standard Oil Factory Fill	Ambient Temperature Limits	0°F to 115°F (- 18°C to +45°C)	SAE 15W-40 API CF/CG/CH-6	
	Cold Lube Oil Option		- 20°F to 90°F (- 29°C to +32°C)	SAE 5W-30 API CF/CG/CH-6	
	Arctic Lube Oil Option		- 40°F to 115°F (- 40°C to +45°C)	SAE 0W-40 API CF/CG/CH-6	
	Apporved Alternates		-	See Engine Manual	
Lube Oil Sump Capacity			2.64 gal (10.0 L)		
Engine - Deutz D2011L04i	Engine Type		Deutz D2011L04i		
	RPM Settings		1600 Low / 2100 / 2675 High		
	Gross Intermittent HP		48 kW / 65 Hp		
	Horsepower @ 2600 rpm (intermittent)		48 kW / 65 Hp		
	Fuel Type		Diesel		
	Fuel Tank Capacity		47 gal (170.3 L)		
	Standard Oil Factory Fill	Ambient Temperature Limits	0°F to 115°F (- 18°C to +45°C)	SAE 15W-40 API CF/CG/CH-6	
	Cold Lube Oil Option		- 20°F to 90°F (- 29°C to +32°C)	SAE 5W-30 API CF/CG/CH-6	
	Arctic Lube Oil Option		- 40°F to 115°F (- 40°C to +45°C)	SAE 0W-40 API CF/CG/CH-6	
	Apporved Alternates		-	See Engine Manual	
Lube Oil Sump Capacity			2.64 gal (10.0 L)		
Engine - GM	Engine Type		3.0L GM Dual Fuel		
	RPM Settings		902 Low / 1600 / 2675 High		
	Gross Intermittent HP		48 kW / 62 Hp		
	Horsepower @ 2600 rpm (intermittent)		47 kW / 60 Hp		
	Fuel Type - Dual		Gasoline/Propane		
	Fuel Tank Capacity		47 gal (170.3 L)		
	Standard Oil Factory Fill	Ambient Temperature Limits	- 40°F to 115°F (- 40°C to +45°C)	SAE 5W-30 API SL	
	Apporved Alternates		-	See Engine Manual	
	Lube Oil Capacity		1.19 gal (4.5 L)		
	Standard Coolant	Ambient Temperature Limits	- 20°F to 115°F (- 29°C to +45°C)	GM 50/50 Extended Life Coolant	
Arctic Coolant Option	- 40°F to 115°F (- 40°C to +45°C)		GM 60/40 Extended Life Coolant		
	Coolant Capacity		3.0 gal (11.4 L)		

192AA

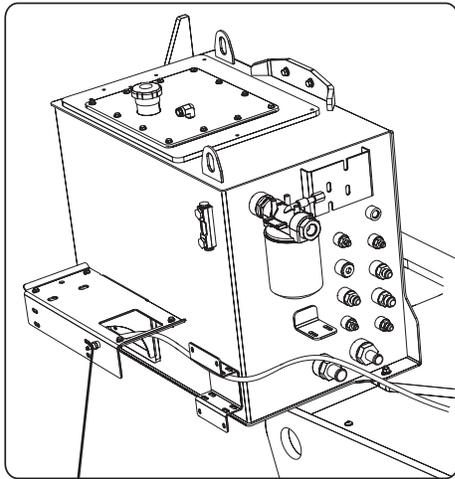


*GREASE	
Model	Recommended Grease Type
SJ40T / 45T SJ61T / 66T	Mobil Mobilux EP2
	Texaco Multifax EP2
	Sun Prestige 742 EP
	Shell Alvania EP2
	Exxon Ronex WB

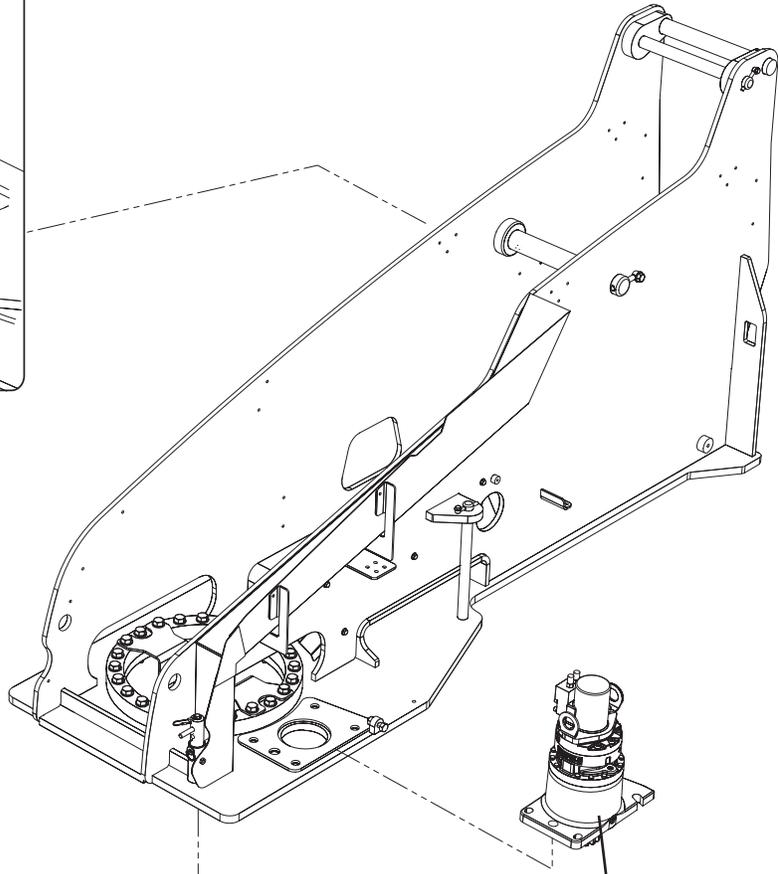
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* Refer to Service and Maintenance manual for greasing frequency and procedures.

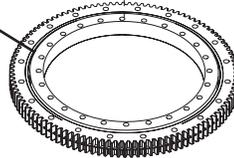
11.3 Grease Locations - Gears



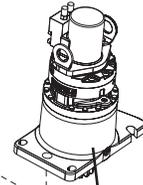
To Turret Rotation Bearing



Turret Rotation Gear



Turret Swing Gear



*GREASE	
Model	Recommended Grease Type
SJ40T / 45T SJ61T / 66T	Mobil Mobiltac C
	Texaco Crater 2X or 3X
	Sun Gear Compound 407
	Shell Cardium EP
	Exxon Surret Fluid 30

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* Refer to Service and Maintenance manual for greasing frequency and procedures.

	Filter Type	Part Number
Hydraulic	High Pressure	161932
	High Pressure Element	161947
	In-Line Hydraulic Tank Return	161933
	In-Line Hydraulic Tank Return Element	161948
Deutz D2.9L	Air Cleaner Primary Element	165949
	Air Cleaner Secondary Element	165950
	Engine Oil	147072
	Fuel	164771
	Fuel Pre-Filter	164772
Deutz D2011	Air Cleaner Primary Element	704560
	Air Cleaner Secondary Element	706549
	Engine Oil	147072
	Fuel	147071
	In-Line Fuel	139254
GM 3.0L	Air Cleaner Primary Element	751678
	Air Cleaner Secondary Element	751677
	Engine Oil	147120
	Fuel	142301
Kubota WG2503	Air Cleaner Primary Element	165947
	Air Cleaner Secondary Element	165948
	Engine Oil	194642
	Engine Oil Filter Cartridge	194643
	Fuel	136118

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