



PARTS MANUAL (ANSI)

# TELEHANDLERS

MODELS SJ643 TH / SJ843 TH

190125AC March 2017

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

**This manual is based on Serial Number(s):**

SJ643 TH / SJ843 TH 87 110 001 & Above

Please refer to the website ([www.skyjack.com](http://www.skyjack.com)) for older Serial Numbers.

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# SJ643 TH / SJ843 TH

## 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 telehandler 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 telehandler 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 telehandler (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!

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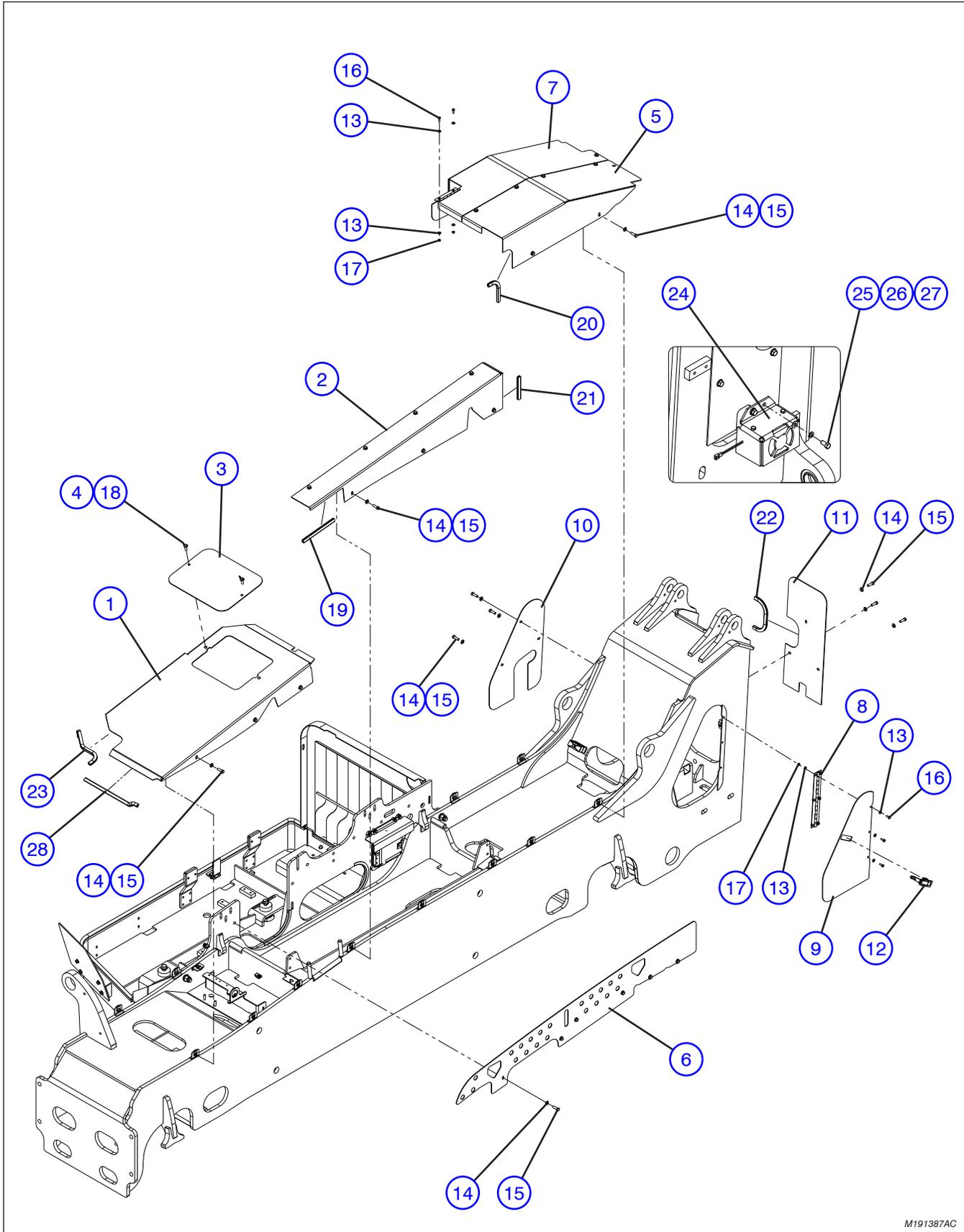
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## **RECOMMENDED SERVICE PARTS**

**Recommended Service Parts**

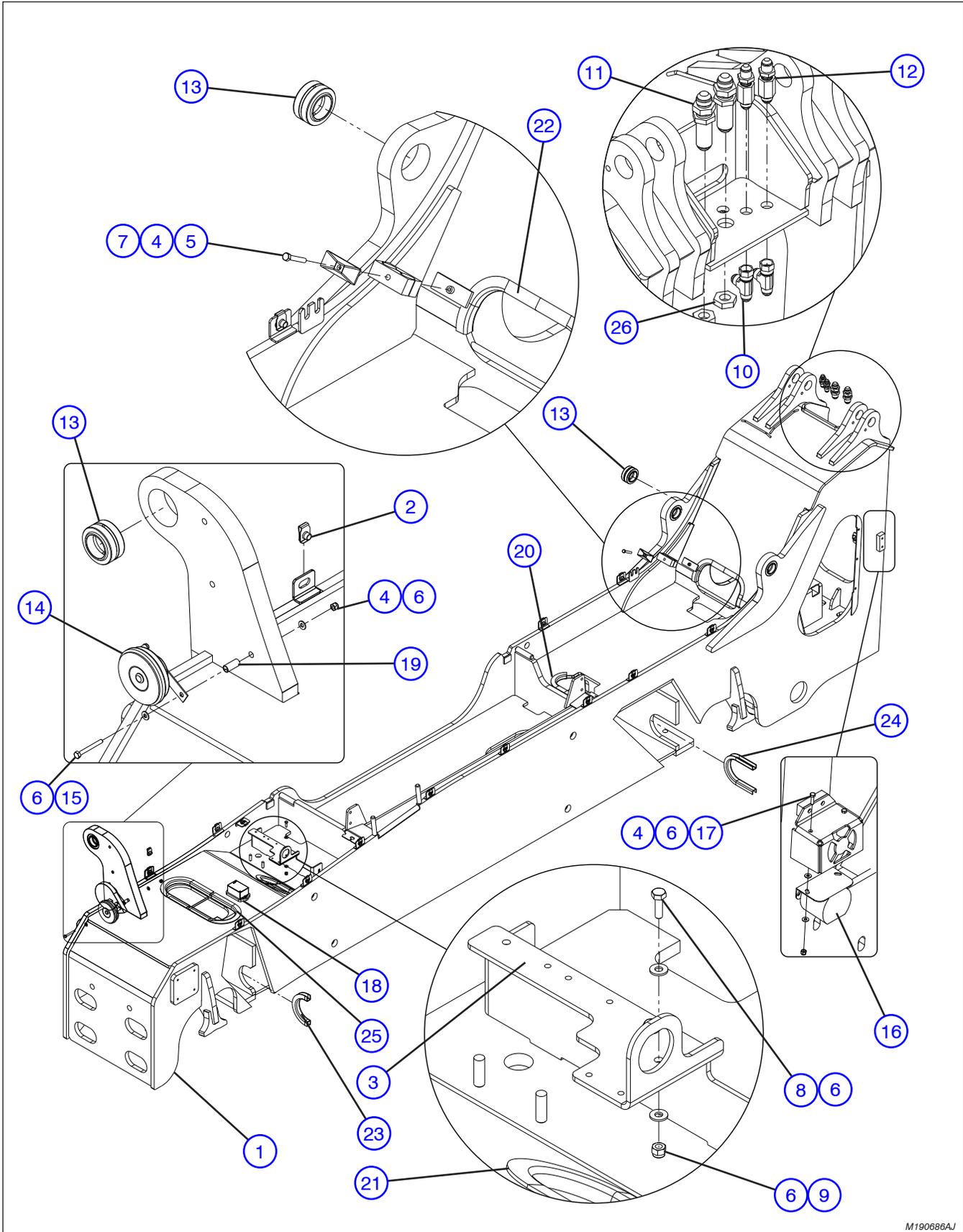
Description	Yr1 QTY	Yr2 QTY	Yr3 QTY	CPN
<b>Engine</b>				
Oil Filter	4	4	4	9-196896
Fuel Filter	4	4	4	9-164771
Fuel Filter/Water Separator	4	4	4	9-196889
Air Filter-Primary Element	2	2	2	9-197131
Air Filter-Safety Element	1	1	1	9-197132
Fan Belt	0	1	1	9-166694
Pump, Fuel	0	1	1	9-164770
Thermostat	0	1	1	9-166699
Alternator	0	0	1	9-166693
Starter	0	0	1	9-166692
<b>Transmission</b>				
Oil Filter	1	1	1	9-196743
Output Shaft Seal-Front	0	1	1	9-407637
Output Shaft Seal-Rear	0	1	1	9-407637
<b>Electrical</b>				
Battery	0	1	1	9-144676
Power Relay	1	1	1	9-921734
Relay, micro	2	2	2	9-931298
Relay	1	1	1	9-156200
Relay, Glow plug 150A	1	1	1	9-165029
Fuse-5A	2	2	2	9-156202
Fuse-10A	2	2	2	9-156203
Fuse-15A	2	2	2	9-156204
Fuse-30A	2	2	2	9-156164
Fuse-100A glow plug	1	1	1	9-165031
Ignition Switch	1	1	1	9-926721
Reverse Alarm	1	1	1	9-921172
Horn	1	1	1	9-923025
<b>Hydraulic</b>				
Hydraulic Filter-Return	1	1	1	9-157907
Seal Kit-Lift Cylinder	1	1	1	9-197097
Seal Kit-Telescope Cylinder	1	1	1	9-197103
Seal Kit-Fork Tilt Cylinder	1	1	1	9-197101
Seal Kit-Tilt Compensation Cylinder	1	1	1	9-197098
Seal Kit-Frame Level Cylinder	1	1	1	9-197099
<b>Boom</b>				
Wear Pad	2	2	2	9-191267
Wear Pad	0	2	2	9-191266
Wear Pad	6	6	6	9-191268
Wear Pad	0	2	2	9-191269

- 1.1 Sheet Metal Installation**
- 1.2 Frame subgroup**
- 1.3 Engine Cowling Assembly**
- 1.4 Fuel Tank Assembly**
- 1.5 Hydraulic Tank Assembly**



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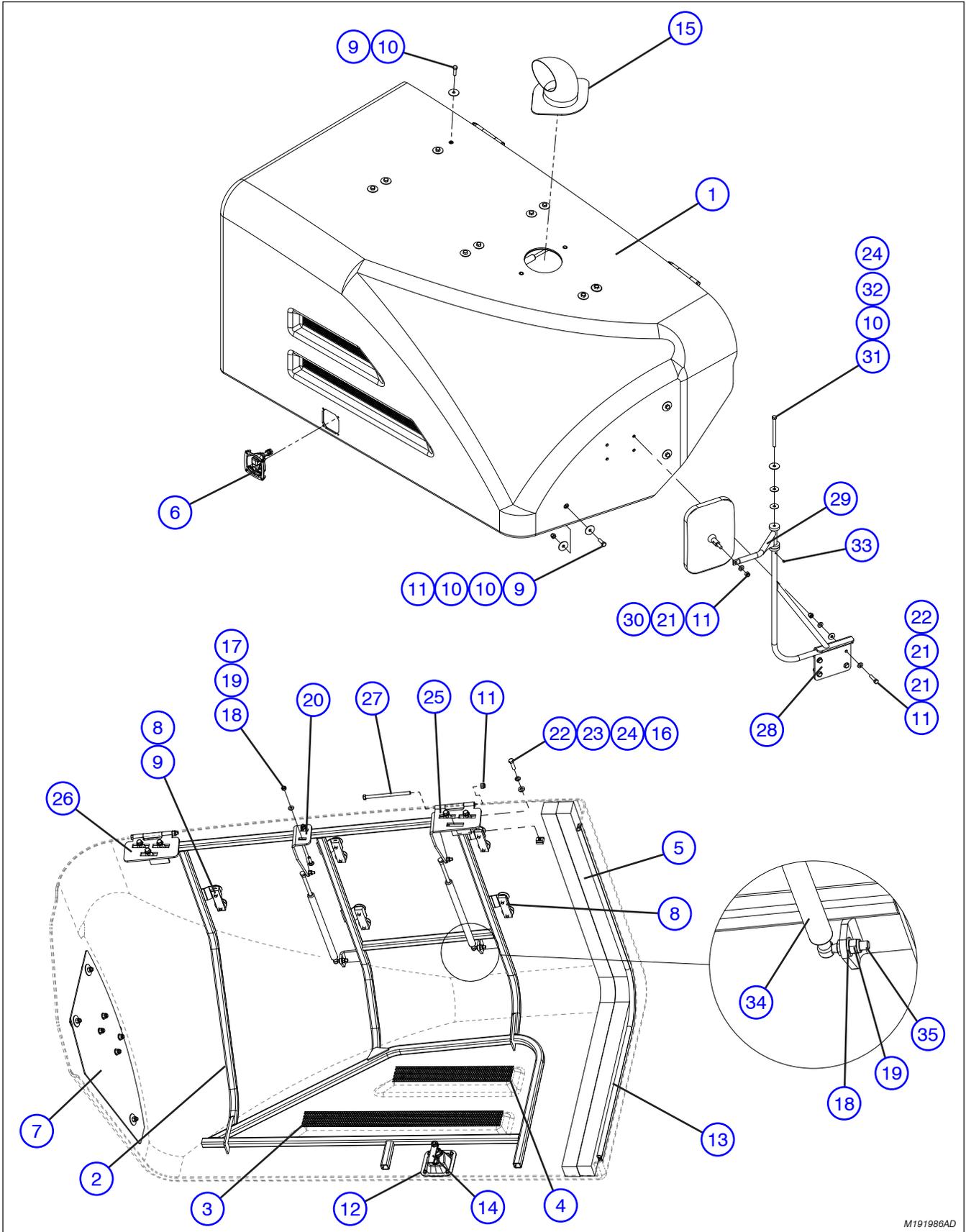
Index No.	Skyjack Part No.	Qty.	Description
-	9-191387	1	COVER SUBGROUP, TH643/TH843
1	9-191388	1	• COVER, Top front
2	9-191390	1	• COVER, TH top side
3	9-191389	1	• COVER, Battery access
4	9-159294	2	• NUT, Speed clip 3/8"-16
5	9-191391	1	• COVER, Top rear (left hand)
6	9-191400	1	• COVER, TH engine tray
7	9-191392	1	• COVER, Top rear (right hand)
8	9-137016	1	• HINGE, Instrumentation panel
9	9-191397	1	• COVER, TH left hand side
10	9-191398	1	• COVER, TH right hand side
11	9-191399	1	• COVER, TH rear
12	9-191416	1	• LATCH, TH covers
13	9-103995	12	• Washer, Flat 1/4"
14	9-125959	32	• Washer, Flat 3/8" Hard
15	9-101297	32	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 5
16	9-103856	6	• BOLT, Hex head 1/4"-20 X 3/4" grade 5
17	9-103980	6	• NUT, HEX 1/4"-20 grade 8
18	9-152535	2	• WING SCREW, 3/8" UNC X 1"
19	9-117398	9"	• PROTECTIVE TRIM
20	9-117398	7"	• PROTECTIVE TRIM
21	9-117398	6"	• PROTECTIVE TRIM
22	9-117398	12"	• PROTECTIVE TRIM
23	9-117398	13"	• PROTECTIVE TRIM
24	9-191489	1	• COVER, back-up alarm
25	9-103472	2	• WASHER, Flat 3/8"
26	9-103999	2	• WASHER, Lock 3/8'
27	9-101632	2	• BOLT, Hex head 3/8"-16 x 3/4" grade 5
28	9-117398	14.5"	• PROTECTIVE TRIM



M190686AJ

Index No.	Skyjack Part No.	Qty.	Description
-	9-190686	1	FRAME SUBGROUP, 643/843
1	9-190235	1	<ul style="list-style-type: none"> <li>• WELDMENT, 643/843 Frame</li> </ul>
2	9-159294	18	<ul style="list-style-type: none"> <li>• NUT, Speed clip 3/8"-16</li> </ul>
3	9-190688	1	<ul style="list-style-type: none"> <li>• BULKHEAD, Electrical</li> </ul>
4	9-190217	1	<ul style="list-style-type: none"> <li>• PLATE, Cover 4d</li> </ul>
5	9-190410	1	<ul style="list-style-type: none"> <li>• CLAMP, Body 428/28PP</li> </ul>
6	9-103995	8	<ul style="list-style-type: none"> <li>• WASHER, Flat 1/4"</li> </ul>
7	9-103865	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 5/16"-18 X 2" grade 5</li> </ul>
8	9-103891	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head 1/4"-20 X 7/8" grade 5</li> </ul>
9	9-115649	4	<ul style="list-style-type: none"> <li>• NUT, Lock with nylon insert 1/4"-20 grade 5</li> </ul>
10	9-106170	2	<ul style="list-style-type: none"> <li>• FITTING, Tee swivel -8 JIC</li> </ul>
11	9-197689	2	<ul style="list-style-type: none"> <li>• FITTING, Bulkhead Straight (12JIC - 12JIC) long</li> </ul>
12	9-197686	2	<ul style="list-style-type: none"> <li>• FITTING, Bulkhead Straight (08 JIC - 08 JIC) long</li> </ul>
13	9-920767	4	<ul style="list-style-type: none"> <li>• BEARING, Spherical</li> </ul>
14	9-923025	1	<ul style="list-style-type: none"> <li>• HORN, Electric 12V</li> </ul>
15	9-122006	1	<ul style="list-style-type: none"> <li>• BOLT, Hex Head 5/16"-18 x 3-1/4" grade 5</li> </ul>
16	9-921172	1	<ul style="list-style-type: none"> <li>• ALARM, Back-up rework</li> </ul>
17	9-103857	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head 1/4-20 x 1" grade 5</li> </ul>
18	(Ref).	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Tilt sensor</li> </ul> <p style="margin-left: 20px;"><a href="#">(For components, refer to Section 5.9)</a></p>
19	9-133598	1	<ul style="list-style-type: none"> <li>• SPACER, 3/8" x 1-1/8"</li> </ul>
20	9-196566	18"	<ul style="list-style-type: none"> <li>• PROTECTIVE TRIM, 1/2" to 5/8"</li> </ul>
21	9-196566	13"	<ul style="list-style-type: none"> <li>• PROTECTIVE TRIM, 1/2" to 5/8"</li> </ul>
22	9-196566	19.25"	<ul style="list-style-type: none"> <li>• PROTECTIVE TRIM, 1/2" to 5/8"</li> </ul>
23	9-196566	20.5"	<ul style="list-style-type: none"> <li>• PROTECTIVE TRIM, 1/2" to 5/8"</li> </ul>
24	9-196566	15.09"	<ul style="list-style-type: none"> <li>• PROTECTIVE TRIM, 1/2" to 5/8"</li> </ul>
25	9-196566	17.45"	<ul style="list-style-type: none"> <li>• PROTECTIVE TRIM, 1/2" to 5/8"</li> </ul>
26	9-198511	2	<ul style="list-style-type: none"> <li>• NUT, Fitting Bulkehad - 12</li> </ul>
27	9-103984	1	<ul style="list-style-type: none"> <li>• NUT, Lock with nylon insert, 5/16"-18 grade 5</li> </ul>
28	9-103996	3	<ul style="list-style-type: none"> <li>• WASHER, Flat 5/16"</li> </ul>

### 1.3 Engine Cowling Assembly

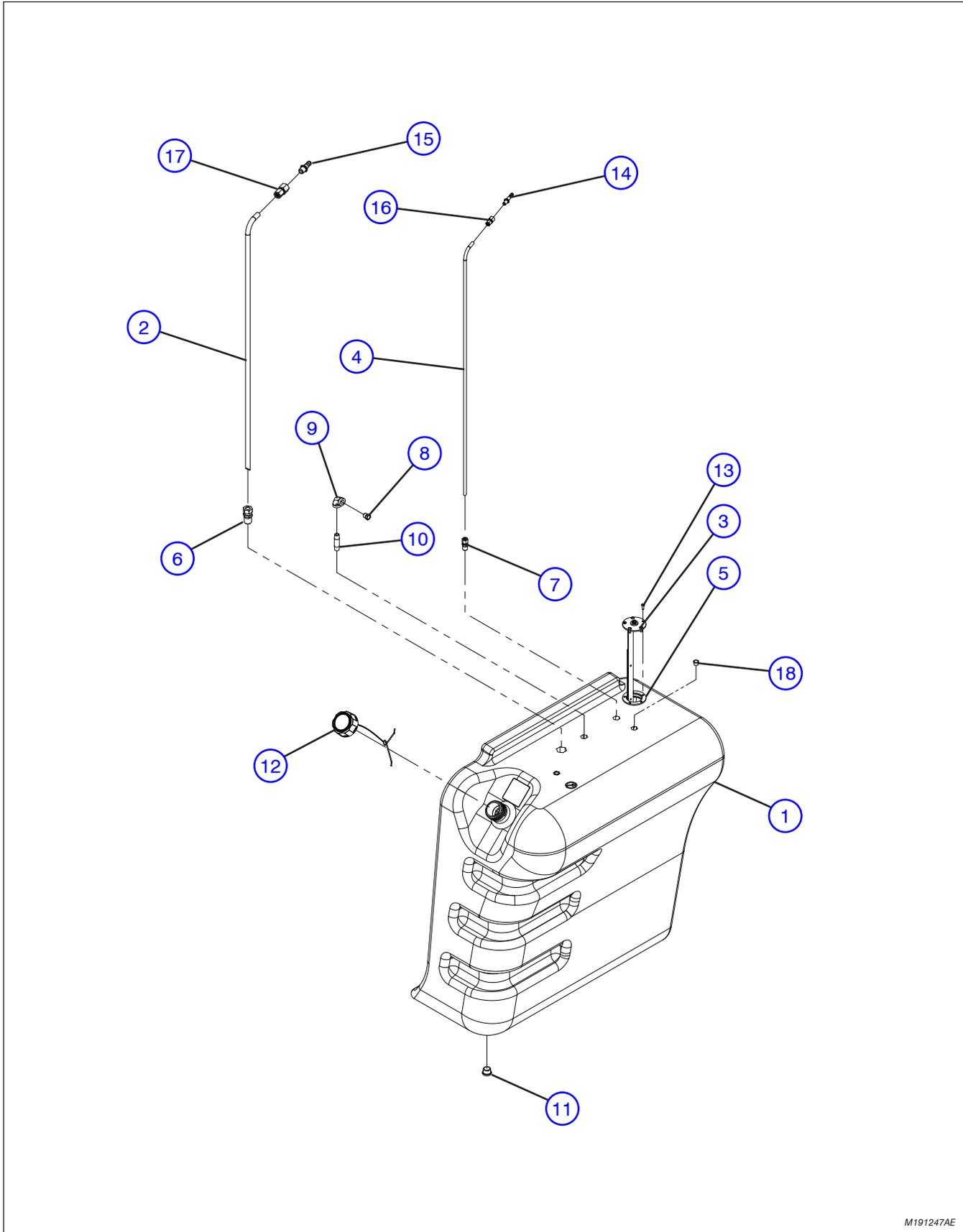


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### 1.3 Engine Cowling Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191986	1	COWLING SUBGROUP, TH
-	9-191987	1	• ASSEMBLY, COWLING TH
1	9-191906	1	• • COWLING SHELL
2	9-191976	1	• • WELDMENT, Cowling structure
3	9-190607	1	• • PLATE, Perforated
4	9-191990	1	• • PLATE, Perforated 16" long
5	9-148368	135"	• • FOAM SEAL - #1441 (2" X 2")
6	9-190462	1	• • LATCH, Compression
7	9-191989	1	• • PLATE, Cowling guard
8	9-190608	5	• • PLATE, Anti turn
9	9-101297	13	• • BOLT, Hex head 3/8"-16 X 1-1/4" grade 5
10	9-127067	24	• • WASHER, Flat 3/8" style BB
11	9-104606	12	• • NUT, Lock with nylon insert 3/8"-16 grade 5
12	9-190557	1	• • PLATE, Cowling latch
13	9-190483	60"	• SEAL, 1/4 edge X 5/8 bulb
14	9-191373	1	• PLATE, Latch
15	9-190612	1	• WELDMENT, Exhaust stack
16	9-190609	6	• NUT, 1/2" T-slot 3/8"-16
17	9-106049	2	• BOLT, Carriage bolt 5/16"-18 x 1-1/4" grade 5
18	9-103996	6	• WASHER, Flat 5/16" SAE
19	9-103984	6	• NUT, Lock with nylon insert 5/16"-18 grade 5
20	9-190926	1	• BRACKET, Gas spring MT
21	9-103472	10	• WASHER, Flat 3/8" SAE
22	9-103870	10	• BOLT, Hex head 3/8"-16 X 1-1/2" grade 5
23	9-103999	6	• WASHER, Lock 3/8"
24	9-125959	7	• WASHER, Flat 3/8" SAE hard
25	9-190927	1	• WELDMENT, Hinge cowling RH
26	9-190615	1	• WELDMENT, Hinge cowling LH
27	9-138736	2	• BOLT, Hex head 3/8"-16 X 6" grade 5
28	9-191992	1	• WELDMENT, Mirror base
29	9-191890	1	• WELDMENT, Mirror rotation
30	9-931379	1	• MIRROR
31	9-191892	2	• WASHER, Plastic 3/8" X 1-1/4"
32	9-163510	1	• BOLT, Hex head 3/8"-16 X 5" grade 5
33	9-117691	2	• SET SCREW, 1/4"-20 X 1/4"
34	9-190925	2	• GAS SPRING - TH cowling
35	9-138836	4	• STUD - Ball

1.4 Fuel Tank Assembly

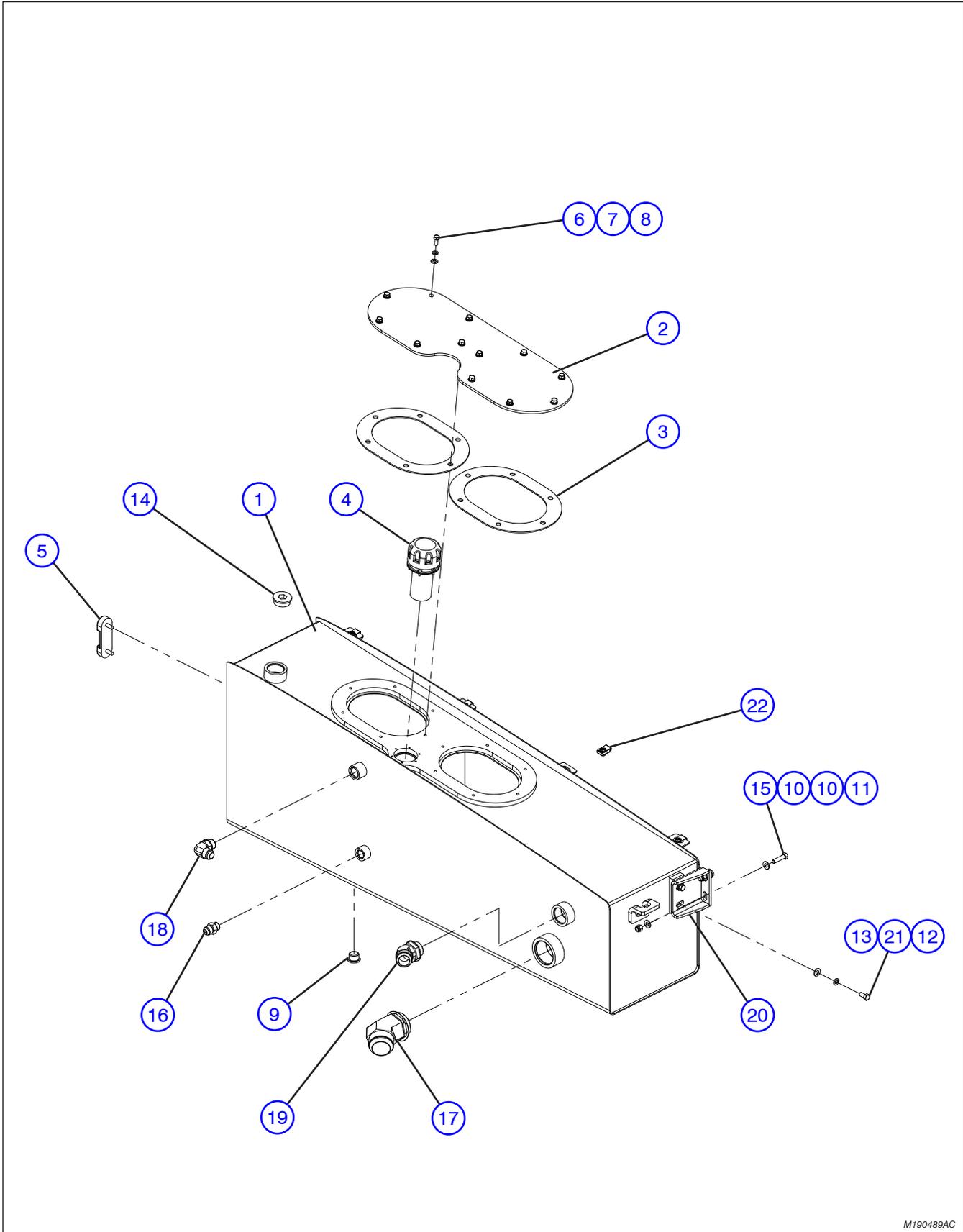


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## 1.4 Fuel Tank Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191247	1	FUEL TANK SUBGROUP
-	9-191248	1	• ASSEMBLY, TH FUEL TANK
1	9-191252	1	• • FUEL TANK, molded
2	9-190604	1	• • TUBE, Diesel fuel suction
3	9-191110	1	• • FUEL SENDER
4	9-190684	1	• • TUBE, Diesel fuel return
5	9-191253	1	• • GASKET, Fuel tank
6	9-164674	1	• • FITTING, Tube compression (1/2" OD x 1/2" NPT)
7	9-103155	1	• • FITTING, Brass tank #T68-5B, 1/4" NPT
8	9-116408	1	• • BREATHER, Vent 1/4 NPT
9	9-144325	1	• • FITTING, Fitting 90° (1/4" NPTF x 1/4" NPTF brass)
10	9-143478	1	• • FITTING, Fitting-nipple (1/4" NPT X 2" long brass)
11	9-137629	1	• • PLUG, Fitting- (10 ORB hex socket)
12	9-144410	1	• • CAP, Fuel
13	9-103962	5	• • SCREW, Round head machine 10-32 x 1/2"
14	9-191978	1	• • FITTING, Beaded hose barb 5/16" tube
15	9-191977	1	• • FITTING, Beaded hose barb 1/2" tube
16	9-191979	1	• • FITTING, Straight adapter (05 BT - 02 FP)
17	9-165716	1	• • FITTING, Straight adapter (08 BT - 06 FP)
18	9-197516	2	• PLUG, 3/8" Tapered series

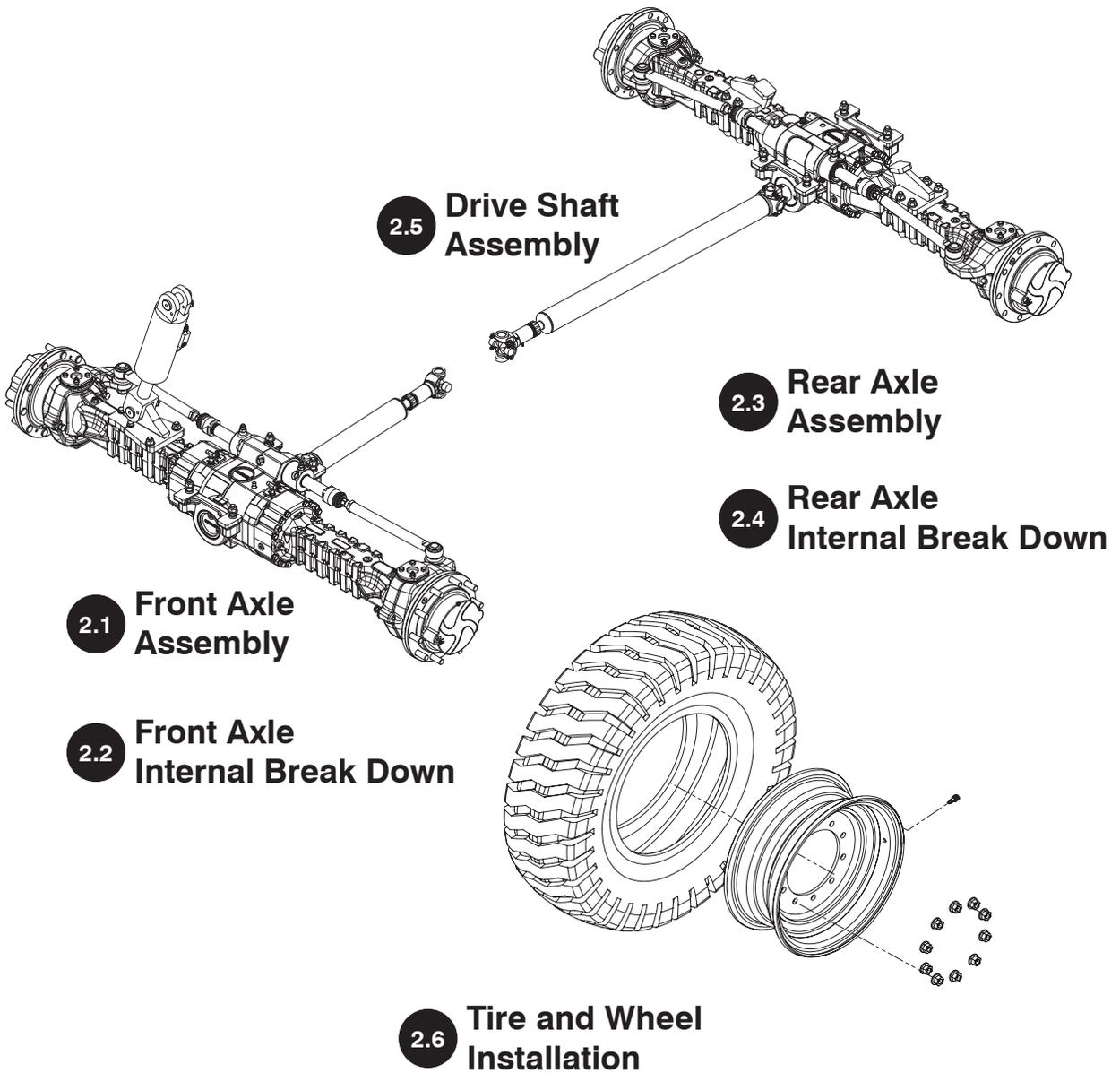
# 1.5 Hydraulic Tank Assembly



M190489AC

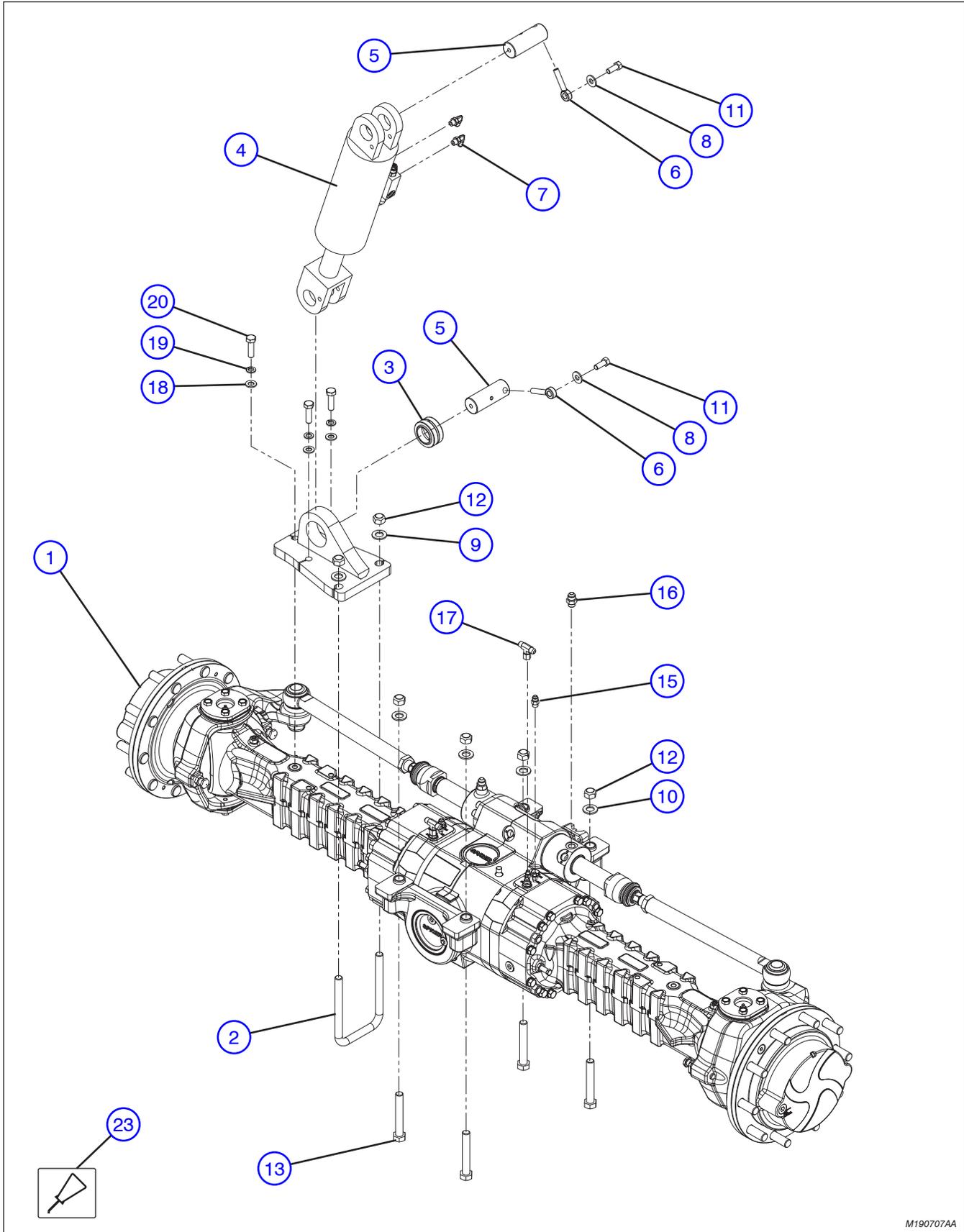
Index No.	Skyjack Part No.	Qty.	Description
-	9-190489	1	HYDRAULIC TANK SUBGROUP
-	9-190490	1	• ASSEMBLY, Hydraulic tank TH
1	9-190491	1	• • WELDMENT, Painted hydraulic tank
2	9-190506	1	• • PLATE, Access cover
3	9-191231	2	• • GASKET, TH hydraulic tank
4	9-191484	1	• • BREATHER, Hydraulic filler
5	9-103236	1	• • LEVEL INDICATOR, 3"
6	9-103996	12	• • WASHER, 11/32" ID x 3/4" OD x 3/32" zinc
7	9-103887	12	• • BOLT, Hex head 5/16"-18 x 3/4" grade 5
8	9-103404	12	• • WASHER, Lock 5/16"
9	9-117701	1	• • PLUG, Tank (3/4"-16 UNF with magnet)
10	9-125959	8	• WASHER, Flat 3/8" hard
11	9-104606	4	• NUT, Lock with nylon insert 3/8"-16 grade 5
12	9-101632	4	• BOLT, Hex Head 3/8"-16 X 3/4" grade 5
13	9-103472	4	• WASHER, Flat 3/8"
14	9-144113	2	• FITTING, Plug (20 orb hex socket)
15	9-103870	4	• BOLT, Hex head 3/8"-16 x 1-1/2" grade 5
16	9-137630	1	• FITTING, (10 ORBM TO 10 JICM)
17	9-933406	1	• FITTING, (32M ORB - JIC)
18	9-105445	1	• FITTING, 90° ( 12 JICM - 12 ORBM)
19	9-751974	1	• FITTING, 45° ( 20 JICM - 20 ORBM)
20	9-191959	2	• WELDMENT, Hydraulic tank mount
21	9-103999	4	• WASHER, Lock 3/8"
22	9-159294	4	• NUT, Speed clip 3/8"-16





M190061AA M921882AB

## 2.1 Front Axle Assembly

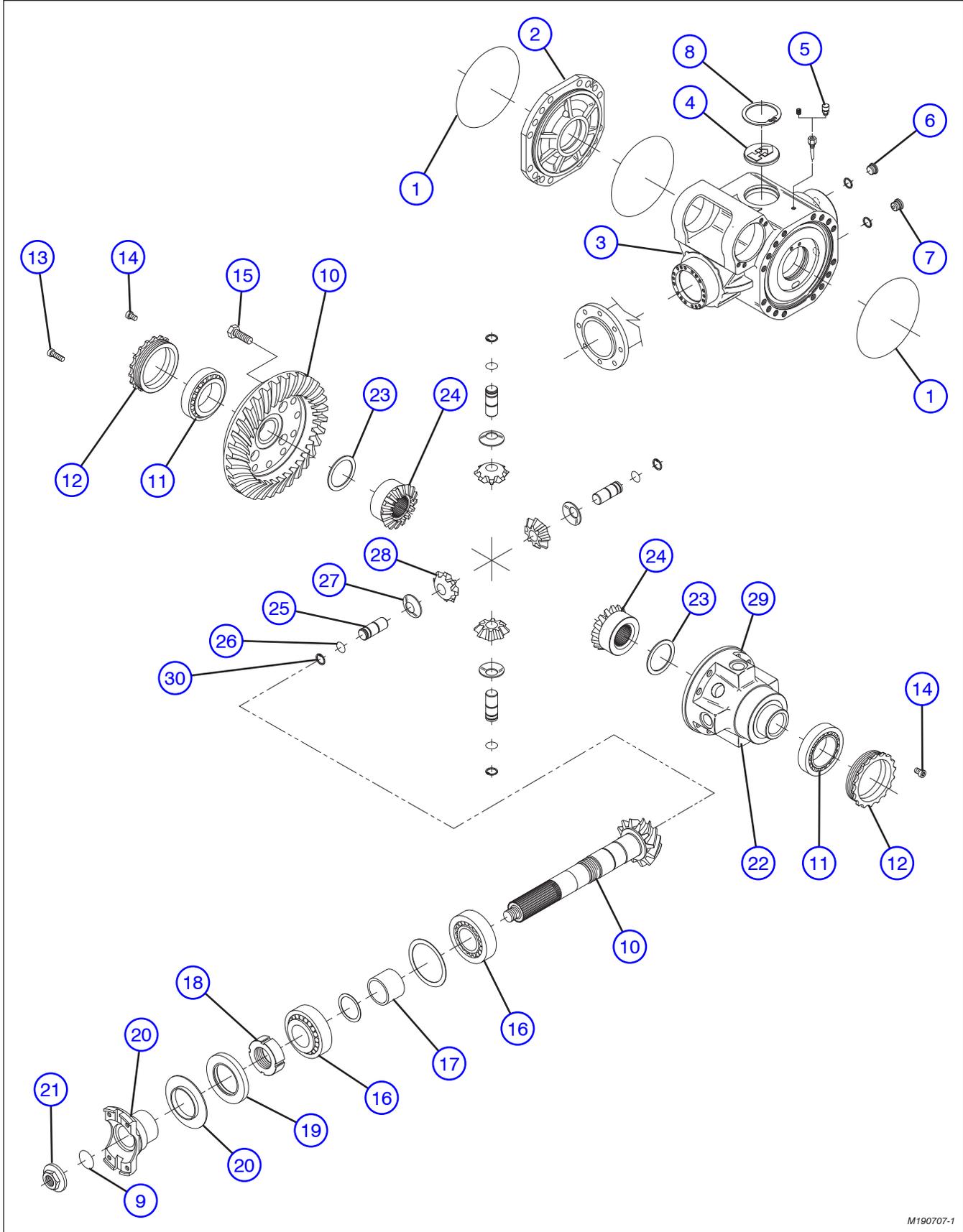


M190707AA

## 2.1 Front Axle Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-190707	1	AXLE, FRONT SUBGROUP TH 843/643
1	(Ref.)	1	<ul style="list-style-type: none"> <li>AXLE, Front 212 (For components, refer to Section 2.2)</li> </ul>
2	9-148866	1	<ul style="list-style-type: none"> <li>U-BOLT, Axle mount</li> </ul>
3	9-920767	1	<ul style="list-style-type: none"> <li>BEARING, Spherical</li> </ul>
4	9-191831	1	<ul style="list-style-type: none"> <li>CYLINDER, Frame level 115B</li> </ul>
5	9-191866	2	<ul style="list-style-type: none"> <li>PIN, 1-3/4" DIA X 4-3/4" long</li> </ul>
6	9-191232	2	<ul style="list-style-type: none"> <li>PIN, Anchor</li> </ul>
7	9-114578	2	<ul style="list-style-type: none"> <li>FITTING, 90° (06 JICM - 06 ORBM)</li> </ul>
8	9-103468	2	<ul style="list-style-type: none"> <li>WASHER, Flat 1/2" USS</li> </ul>
9	9-702194	2	<ul style="list-style-type: none"> <li>WASHER, Flat 3/4" hard high zinc</li> </ul>
10	9-103990	4	<ul style="list-style-type: none"> <li>WASHER, Flat 3/4"</li> </ul>
11	9-169942	2	<ul style="list-style-type: none"> <li>BOLT, Hex head 1/2"-13 X 1-1/4" grade 8 zinc</li> </ul>
12	9-700575	6	<ul style="list-style-type: none"> <li>NUT, Torque lock 3_4-10 grade C</li> </ul>
13	9-146773	4	<ul style="list-style-type: none"> <li>BOLT, Hex head 3/4"-10 X 5" grade 8</li> </ul>
14	9-191053	1	<ul style="list-style-type: none"> <li>WELDMENT, Frame tilt mount</li> </ul>
15	9-190364	4	<ul style="list-style-type: none"> <li>FITTING, Straight (06JIC)(M)14 mm</li> </ul>
16	9-102659	2	<ul style="list-style-type: none"> <li>FITTING, Straight (08 JICM - 08 ORBM)</li> </ul>
17	9-155022	2	<ul style="list-style-type: none"> <li>FITTING, BR TEE (06 JICM - 06JICM - 06JICF)</li> </ul>
18	9-191096	3	<ul style="list-style-type: none"> <li>WASHER, Flat M14 DIN125A zinc</li> </ul>
19	9-138738	3	<ul style="list-style-type: none"> <li>WASHER, Lock M14 plated DIN 127B</li> </ul>
20	9-191095	3	<ul style="list-style-type: none"> <li>BOLT, Hex head M14 X 2 X 50 CL10.9 zinc</li> </ul>
21	9-102027	2	<ul style="list-style-type: none"> <li>FITTING, Grease fitting, 1/8 NPT straight</li> </ul>
22	9-132565	2	<ul style="list-style-type: none"> <li>CAP, Grease GC5 (Not Shown)</li> </ul>
23	(Ref.)	-	<ul style="list-style-type: none"> <li>Oil, Hydraulic (For components, refer to Section 11.1)</li> </ul>

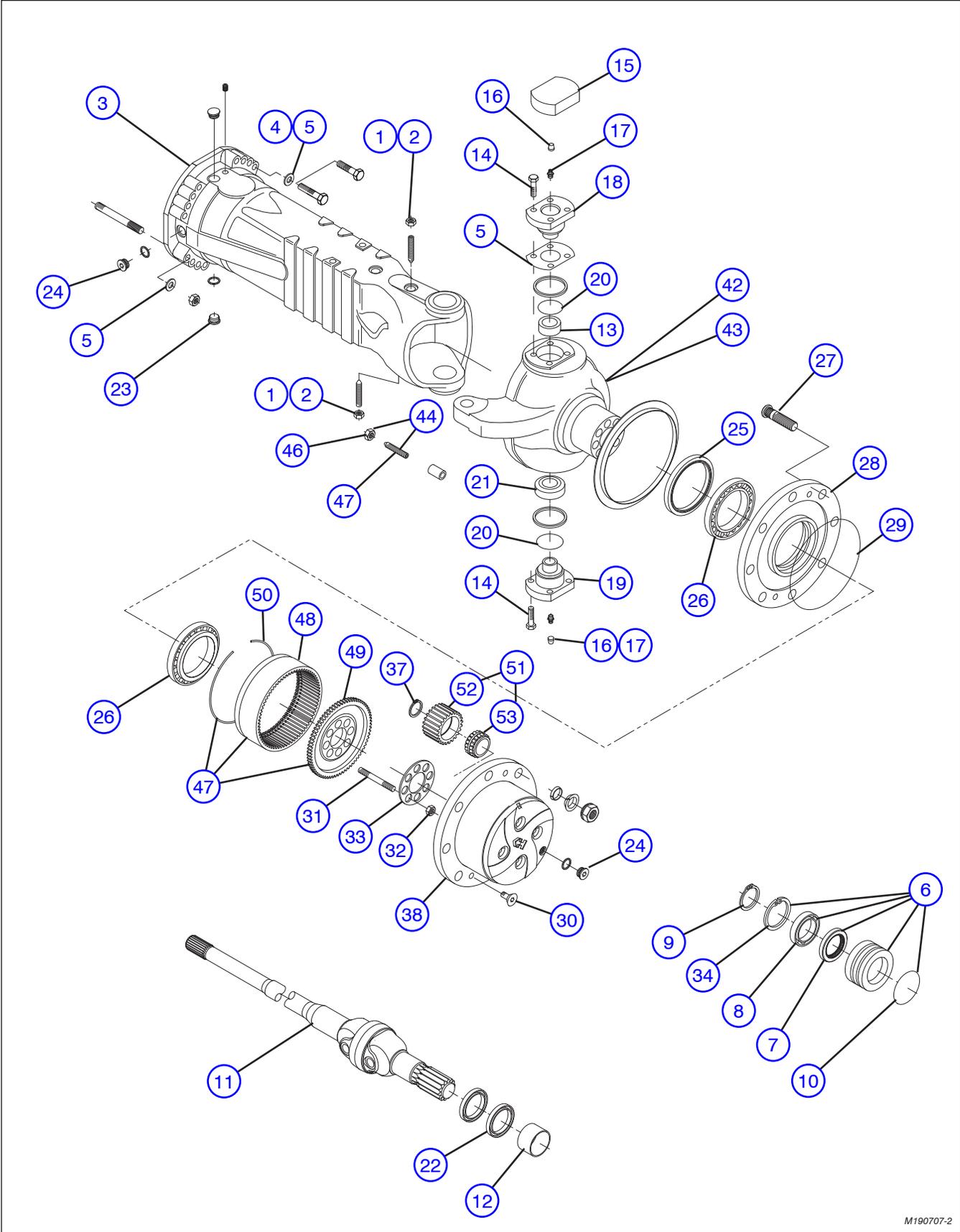
2.2 Front Axle - Internal Breakdown



M190707-1

Index No.	Skyjack Part No.	Qty.	Description
-	9-190027	1	ASSEMBLY, AXLE FRONT
-	9-151755		• CENTRAL HOUSING ASSEMBLY
1	9-140970	3	• • O-RING
2	9-170719	1	• • COVER, Central housing
3	9-196623	1	• • HOUSING
4	9-140967	1	• • PLUG
5	9-170720	1	• • VENT, Central housing
6	9-140969	1	• • PLUG, Dana
7	9-140968	1	• • PLUG, Magnet
8	9-140966	1	• • CIRCLIP
-	9-196624	1	• DIFFERENTIAL
9	9-403057	1	• • O RING,Input yoke
10	9-196625	1	• • BEVEL GEAR SET
11	9-196626	2	• • TAPER ROLLER BEARING
12	9-141068	2	• • RING NUT
13	9-140977	4	• • CYLINDER BOLT
14	9-168259	2	• • BOLT, Hex
15	9-140993	12	• • BOLT
16	9-140984	2	• • BEARING, Taper roller
17	9-404187	1	• • PACER,Pinion shaft
18	9-140980	1	• • RING NUT
19	9-196627	1	• • SEAL
20	9-196628	1	• • FLANGE
21	9-196629	1	• • NUT
22	9-196630	1	• • DIFFERENTIAL
23	9-404185	2	• • • FRICTION WASHER
24	9-196631	2	• • • DIFFERENTIAL SIDE GEAR
25	9-196632	4	• • • PIN
26	9-403069	4	• • • CIRCLIP
27	9-404186	4	• • • WASHER
28	9-196633	4	• • • DIFFERENTIAL PINION
29	9-404178	1	• • • REAR DIFFERENTIAL CARRIER
30	9-403073	4	• • • CIRCLIP

2.3 Front Axle - Reduction Hub



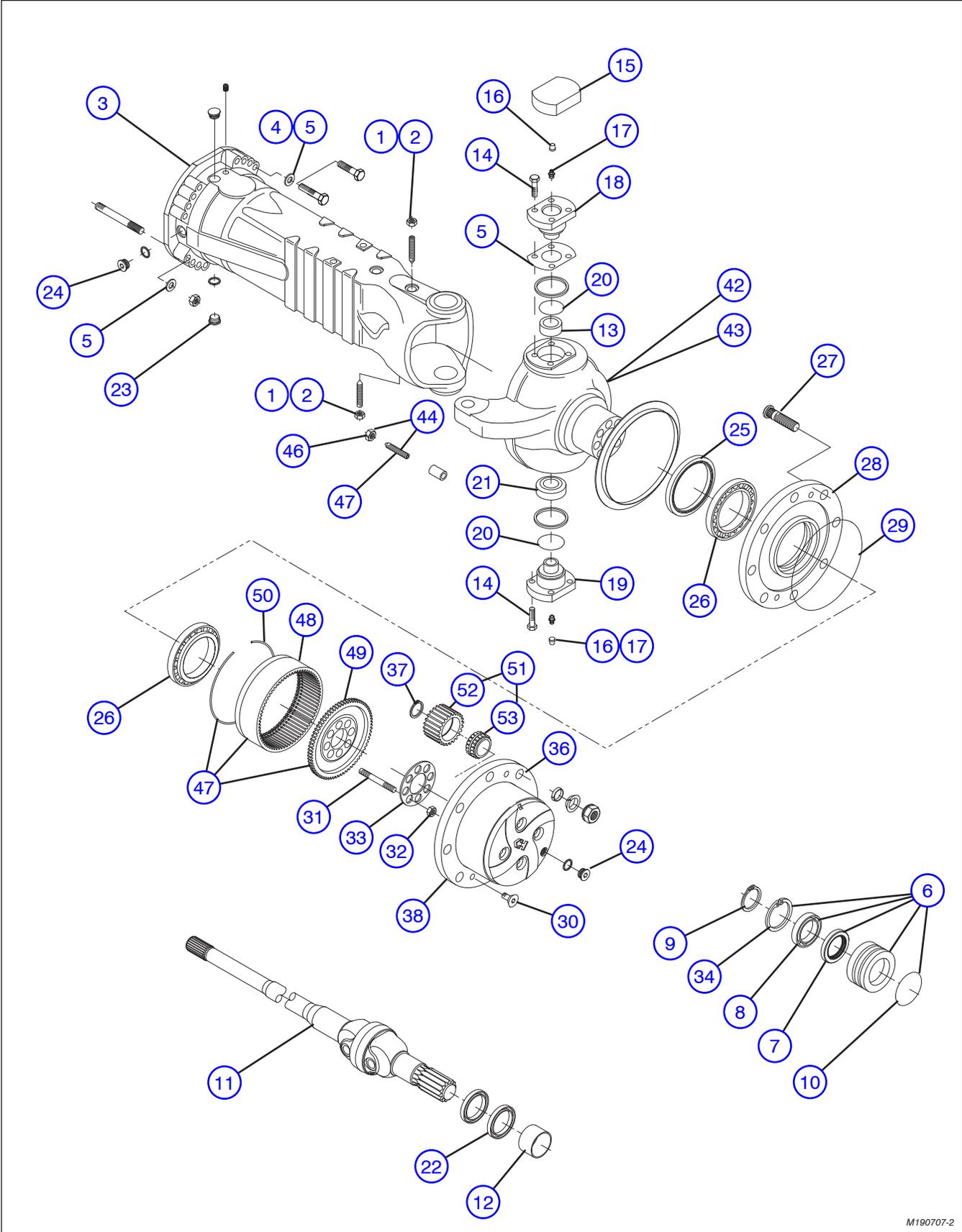
M190707-2

## 2.3 Front Axle - Reduction Hub

Index No.	Skyjack Part No.	Qty.	Description
-	9-196634	1	• REDUCTION HUB
1	9-403084	2	• • NUT, M12-1-3/4"
2	9-403127	2	• • SCREW, Set
3	9-196635	2	• • CASE, Axle
4	9-170799	24	• • BOLT
5	9-403098	8	• • WASHER
6	9-151761	2	• • REDUCTION BUSHING
7	9-151762	2	• • SEAL
8	9-141073	2	• • BALL BEARING
9	9-151763	2	• • CIRCLIP
10	9-403050	2	• • O-RING
11	9-196636	2	• • JOINT
12	9-406996	1	• • THRUST BUSHING
13	9-151765	2	• • BUSHING
14	9-196637	20	• • BOLT
15	9-406391	2	• • PLASTIC COVER
16	9-141006	4	• • PLUG
17	9-168273	2	• • FITTING, Grease
18	9-406408	2	• • PIVOT PIN (king pin upper)
19	9-406407	2	• • PIVOT PIN (king pin lower)
20	9-403063	2	• • SEAL, King pin (up&lo)
21	9-406388	2	• • ARTICULATION
22	9-406402	2	• • SEAL
23	9-140968	2	• • PLUG, Magnet
24	9-140969	4	• • PLUG
25	9-405116	2	• • SEAL
26	9-141019	4	• • BEARING
27	9-405094	20	• • WHEEL STUD
28	9-404206	2	• • HUB 212/213
29	9-405098	2	• • O-RING
30	9-141033	4	• • BOLT, Countersunk

Parts list continued on following page

2.3 Front Axle - Reduction Hub - Continued

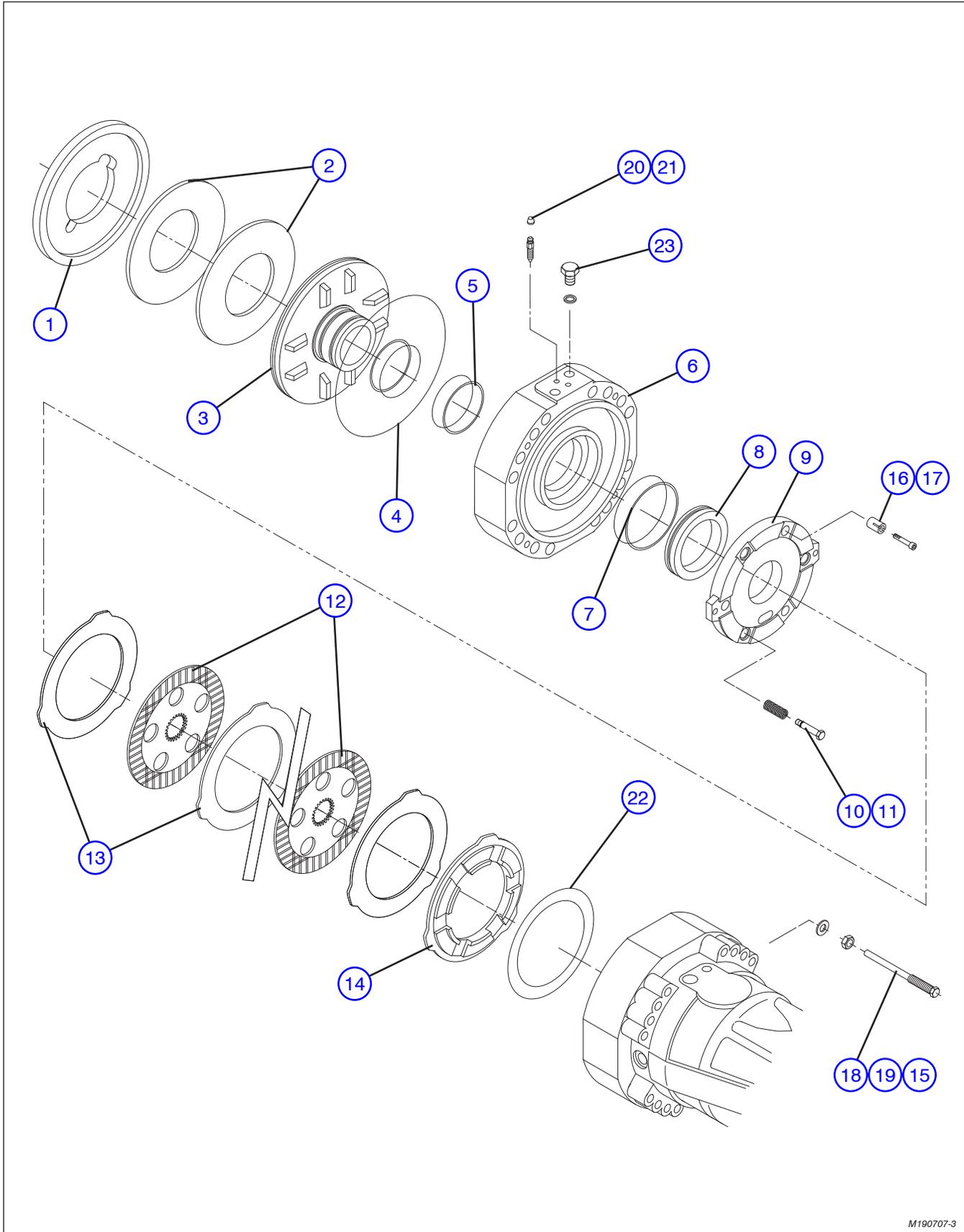


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2.2 Front Axle - Reduction Hub - Continued

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from previous page
31	9-196638	16	• • STUD
32	9-196639	16	• • NUT
33	9-141081	2	• • LOCKING PLATE
34	9-140966	2	• • CIRCLIP
35	9-406392	2	• • SHIM
36	9-196640	2	• • PLANETARY GEAR CARRIER
37	9-141028	4	• • • CIRCLIP
38	9-404207	1	• • • PLANETARY GEAR CARRIER BASE - 212/213
39	9-170835	8	• • STUD
40	9-170836	8	• • NUT
41	9-140970	2	• • O-RING
42	9-196641	1	• • STEERING CASE - Left
43	9-196642	1	• • STEERING CASE - Right
44	9-168284	4	• • BOLT, Steering adjust
45	9-168275	4	• • • BOLT
46	9-403088	4	• • • NUT
47	9-141042	2	• • KIT, Ring gear support
48	9-141023	2	• • • RING GEAR
49	9-141024	2	• • • RING GEAR SUPPORT
50	9-141022	2	• • • CIRCLIP
51	9-196643	8	• • PLANETARY GEAR
52	9-141029	8	• • • PLANETARY GEAR
53	9-141030	8	• • • BEARING

## 2.4 Front Axle - Brakes

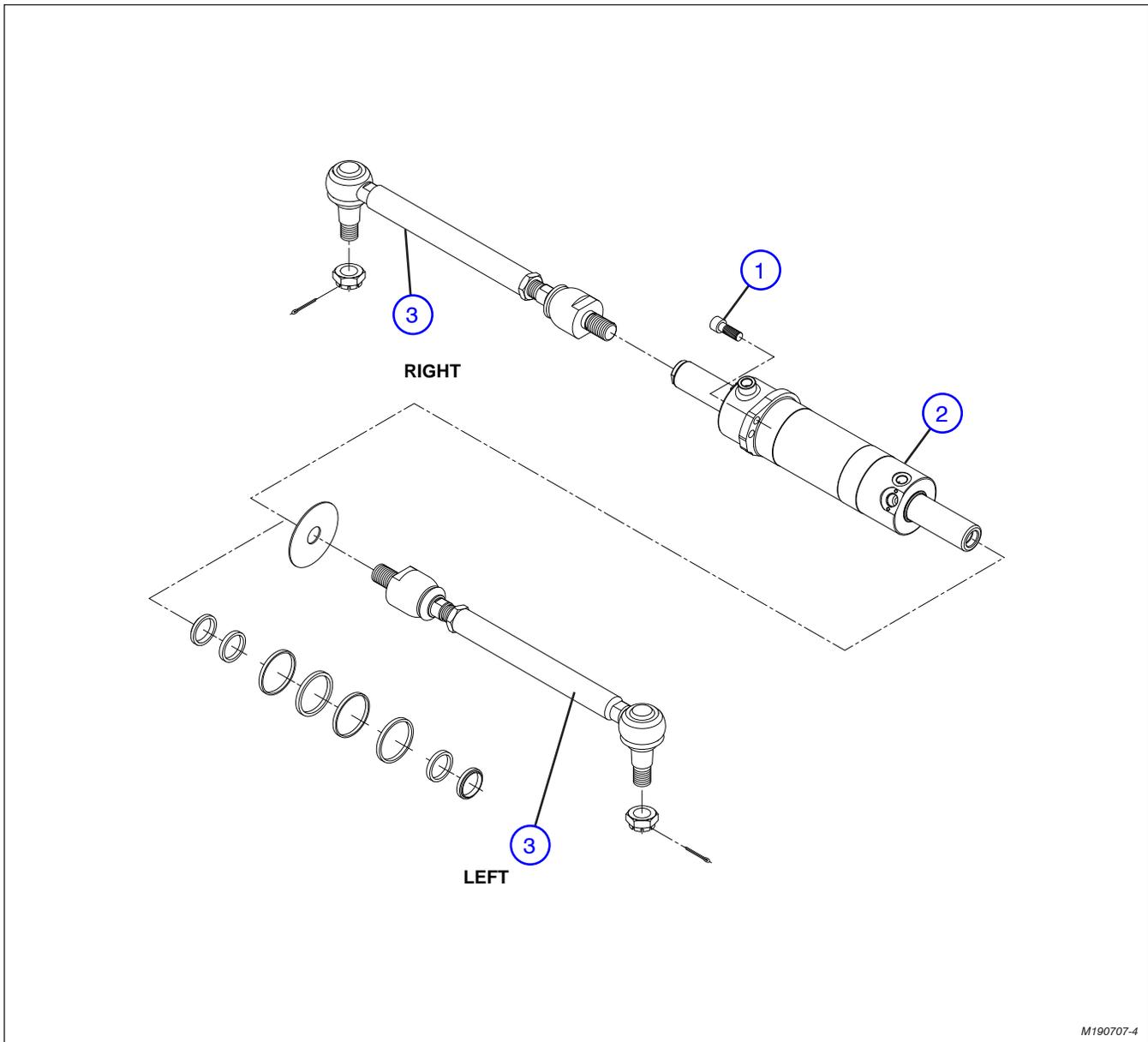


M190707-3

## 2.4 Front Axle - Brakes

Index No.	Skyjack Part No.	Qty.	Description
-	9-170837	1	• BRAKES, FRONT
1	9-196644	1	• • SPACER
2	9-170839	4	• • SPRING
3	9-170840	2	• • PISTON
4	9-170841	2	• • O-RING
5	9-196645	4	• • SEAL
6	9-170844	2	• • COVER
7	9-196646	2	• • SEAL
8	9-170847	2	• • PISTON
9	9-170848	2	• • INTERMEDIATE BRAKE DISC
10	9-168290	6	• • SPRING
11	9-170849	6	• • ADJUSTING BOLT
12	9-170850	8	• • DISC
13	9-404210	8	• • INTERMEDIATE BRAKE DISC, Park brake
14	9-170851	2	• • SPACER
15	9-168296	4	• • BOLT
16	9-170853	6	• • ADJUSTING BOLT
17	9-141098	6	• • SPRING
18	9-403087	4	• • NUT
19	9-403096	4	• • WASHER
20	9-141086	4	• • BLEEDING BOLT
21	9-141006	4	• • PLUG
22	9-196647	2	• • SHIM
23	9-168299	4	• • PLUG

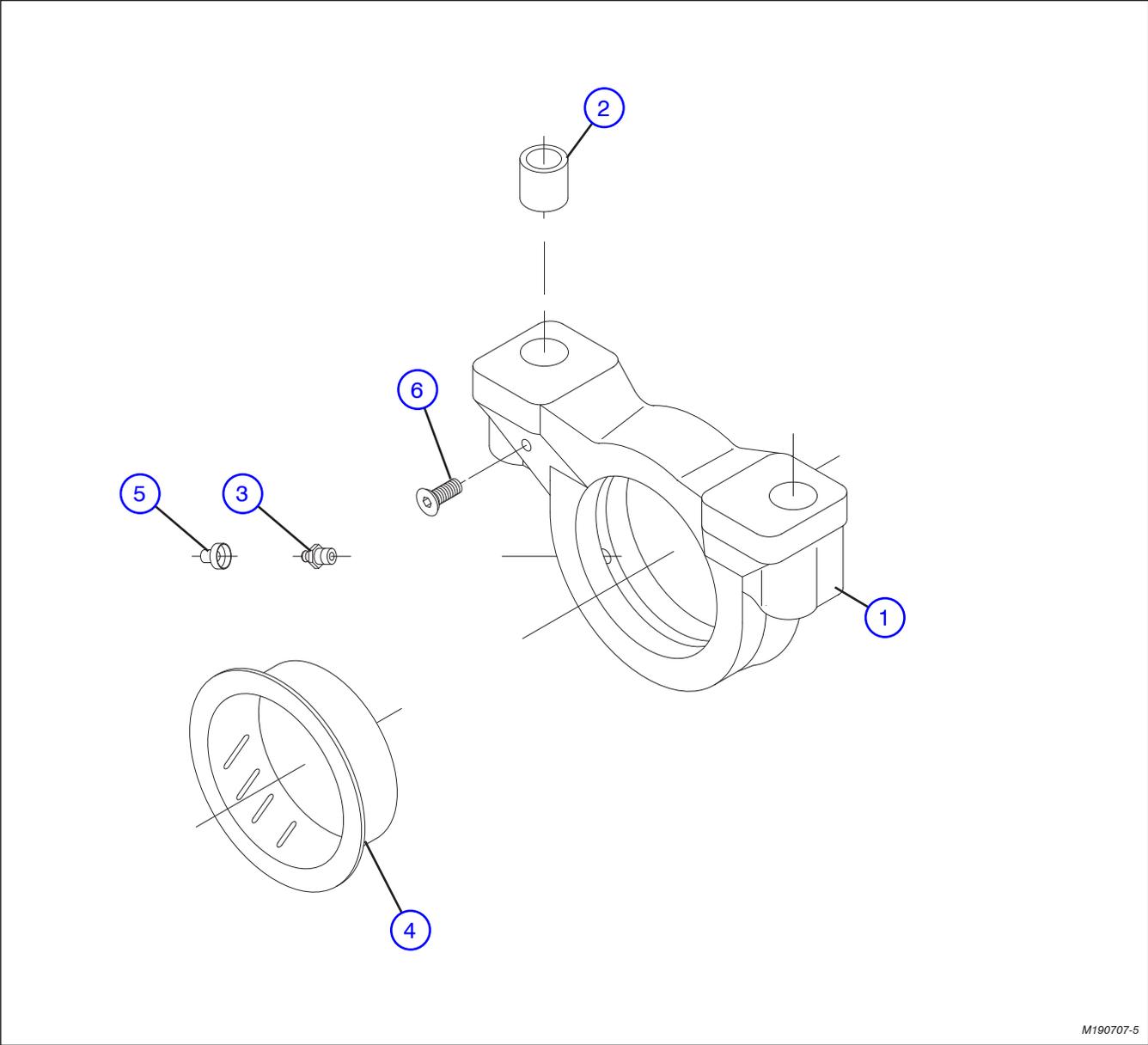
## 2.5 Front Axle - Steering



M190707-4

Index No.	Skyjack Part No.	Qty.	Description
-	9-169240	1	STEERING ASSEMBLY
1	9-195047	4	• BOLT
2	9-169241	1	• CYLINDER, STEER
3	9-196650	2	• BAR

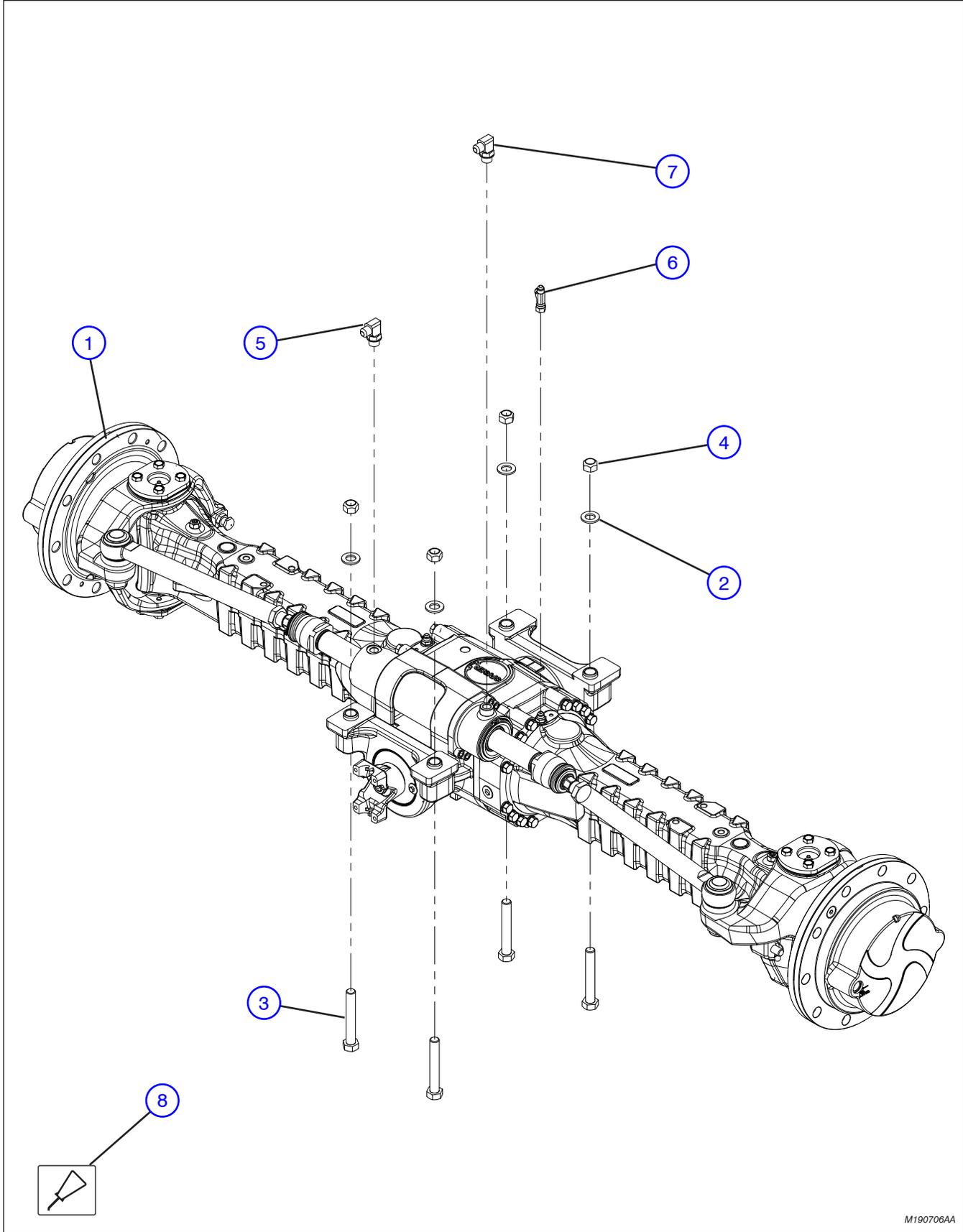
2.6 Front Axle - Trunion



M190707-5

Index No.	Skyjack Part No.	Qty.	Description
-	9-196651	1	TRUNION
1	9-196652	1	• SUPPORT
2	9-406998	2	• • REDUCTION BUSHING, Axle pivot mount
3	9-168273	1	• • FITTING, GREASE
4	9-406999	1	• • THRUST BUSHING, Axle pivot mount
5	9-141006	1	• • PLUG
6	9-196654	1	• BOLT

2.7 Rear Axle Assembly

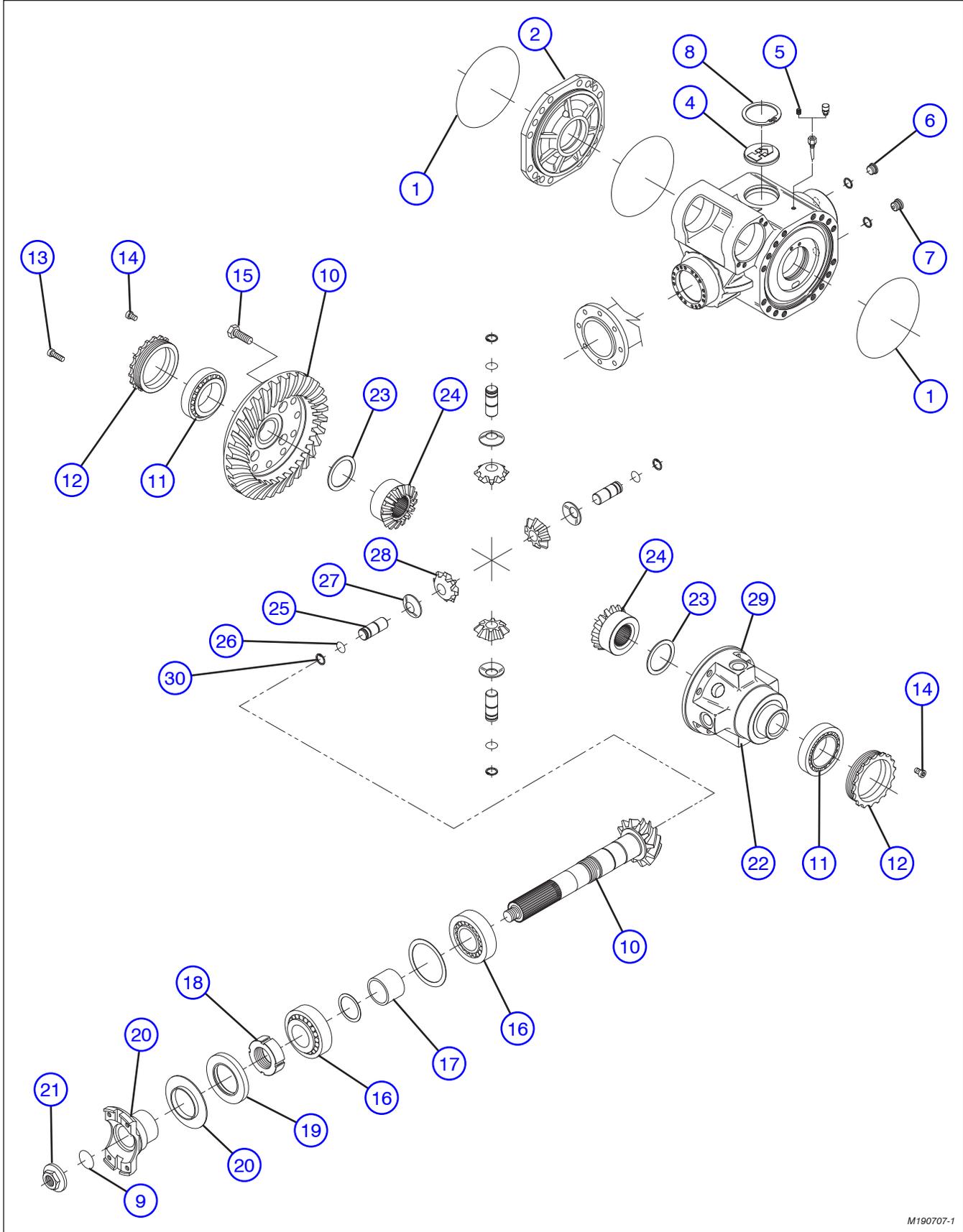


M190706AA

## 2.7 Rear Axle Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-190706	1	AXLE, REAR SUBGOUP TH 843/643
1	(Ref).	1	<ul style="list-style-type: none"> <li>AXLE, REAR 212 (For components, refer to Section 2.8)</li> </ul>
2	9-103990	4	<ul style="list-style-type: none"> <li>WASHER, Flat 3/4"</li> </ul>
3	9-146773	4	<ul style="list-style-type: none"> <li>BOLT, Hex head 3/4"-10 X 5" grade 8</li> </ul>
4	9-700575	4	<ul style="list-style-type: none"> <li>NUT, Torque lock 3/4"-10 grade C</li> </ul>
5	9-132256	2	<ul style="list-style-type: none"> <li>FITTING, 90° (08 JICM - 10 ORBM)</li> </ul>
6	9-702382	1	<ul style="list-style-type: none"> <li>Nut SWIVEL, run tee #6</li> </ul>
7	9-190364	2	<ul style="list-style-type: none"> <li>FITTING, Straight (06 JICM14mm)</li> </ul>
8	(Ref.)	2	OIL, Hydraulic (For components, refer to Section 11.1)

**2.8 Rear Axle - Internal Breakdown**

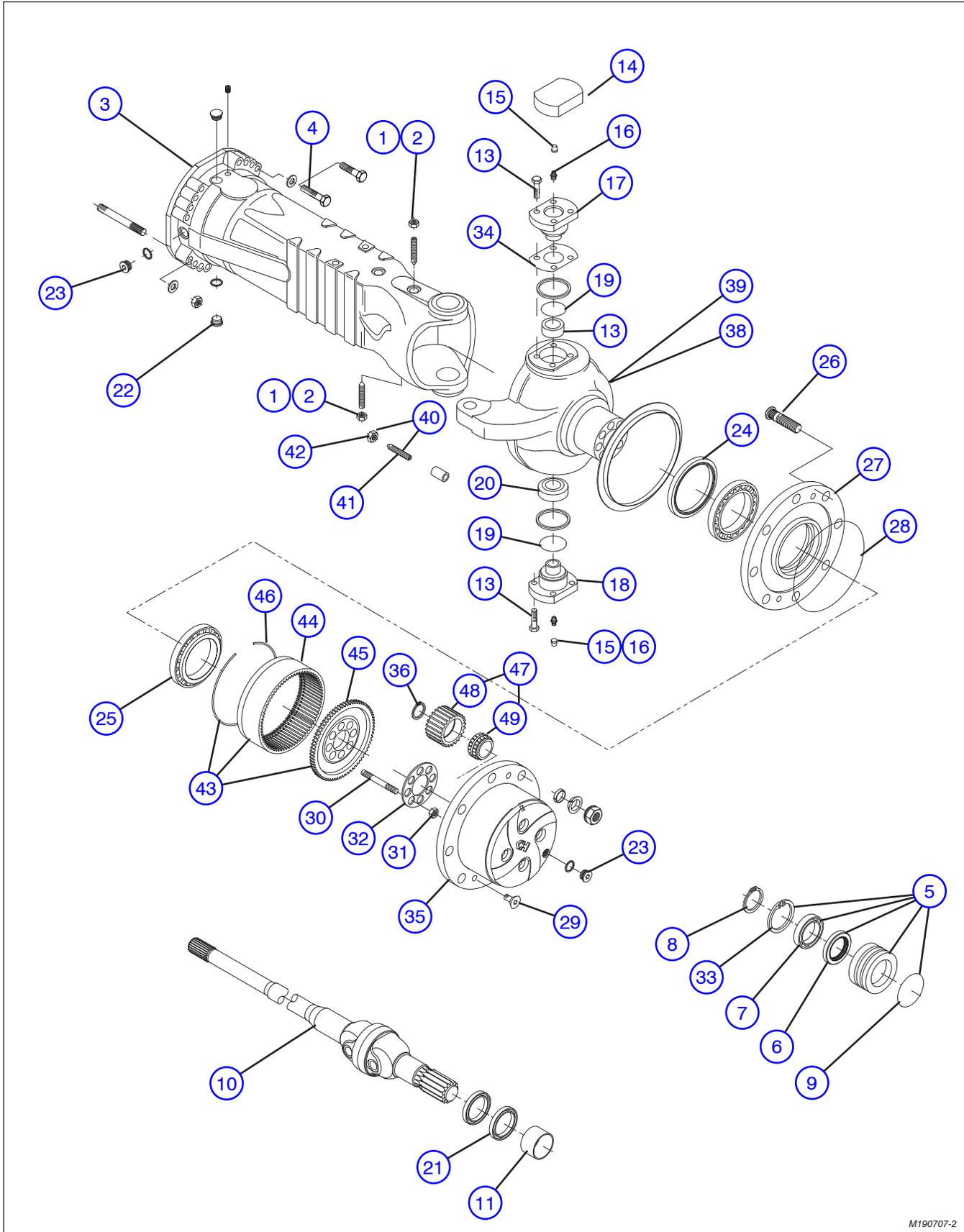


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## 2.8 Rear Axle - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
-	9-190028	1	ASSEMBLY, REAR AXLE
-	9-151755		• CENTRAL HOUSING ASSEMBLY
1	9-140970	3	• • O-RING
2	9-170719	1	• • COVER, Central housing
3	9-196623	1	• • HOUSING
4	9-140967	1	• • PLUG
5	9-170720	1	• • VENT, Central housing
6	9-140969	5	• • PLUG
7	9-140968	3	• • PLUG, Magnet
8	9-140966	3	• • CIRCLIP
-	9-196634	-	• DIFFERENTIAL
9	9-403057	1	• • O-RING
10	9-196625	1	• • BEVEL GEAR SET
11	9-196626	2	• • TAPERED BEARING
12	9-141068	2	• • RING NUT
13	9-140977	4	• • CYLINDER BOLT
14	9-168259	2	• • BOLT
15	9-140993	12	• • BOLT
16	9-140984	2	• • BEARING
17	9-404187	1	• • SPACER
18	9-140980	1	• • RING NUT
19	9-196627	1	• • SEAL
20	9-196628	1	• • FLANGE
21	9-196629	1	• • NUT
22	9-196630	1	• • DIFFERENTIAL
23	9-404185	2	• • • FRICTION WASHER
24	9-196631	2	• • • GEAR SIDE DIFFERENTIAL
25	9-196632	4	• • • PIN
26	9-403069	4	• • • CIRCLIP
27	9-404186	4	• • • WASHER
28	9-196633	4	• • • PINION DIFFERENTIAL
29	9-404178	1	• • • REAR DIFFERENTIAL CARRIER
30	9-403073	4	• • • CIRCLIP

2.9 Rear Axle - Reduction Hub

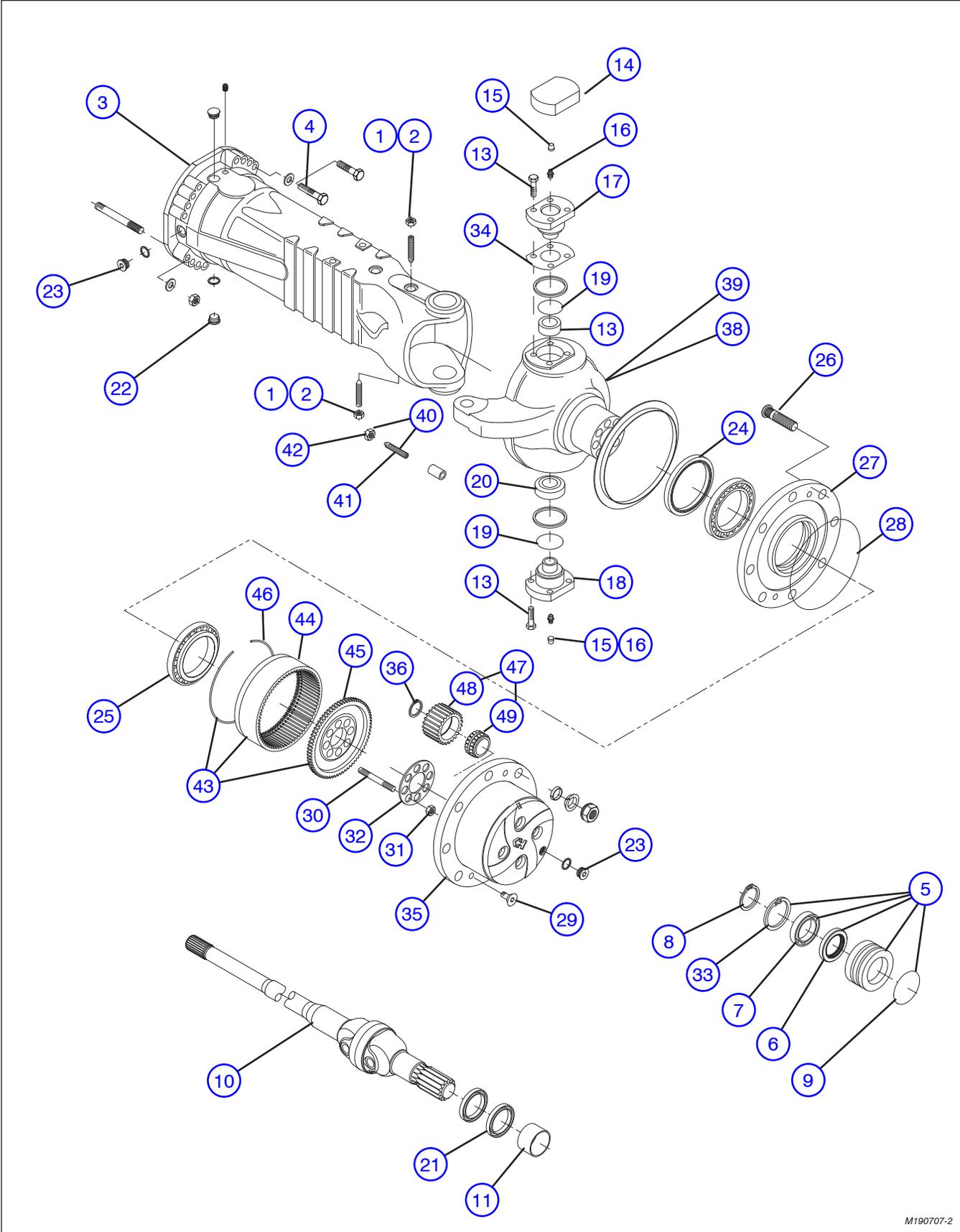


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## 2.9 Rear Axle - Reduction Hub

Index No.	Skyjack Part No.	Qty.	Description
-	9-196634	1	REDUCTION HUB
1	9-403084	2	• NUT
2	9-403127	2	• SCREW SET
3	9-196655	2	• CASE, Axle
4	9-141079	32	• BOLT
5	9-151761	2	• REDUCTION BUSHING
6	9-151762	2	• SEAL
7	9-141073	2	• BEARING
8	9-151763	2	• CIRCLIP
9	9-403050	2	• O-RING
10	9-196636	2	• JOINT
11	9-406996	1	• THRUST BUSHING
12	9-151765	2	• BUSHING
13	9-196637	20	• BOLT
14	9-406391	2	• PLASTIC COVER
15	9-141006	4	• PLUG
16	9-168273	2	• FITTING
17	9-406408	2	• PIVOT PIN
18	9-406407	2	• PIVOT PIN
19	9-403063	2	• SEAL
20	9-406388	2	• ARTICULATION
21	9-406402	2	• ASSEMBLY, Seal outer axle shaft
22	9-140968	2	• PLUG, Magnet
23	9-140969	4	• PLUG
24	9-405116	2	• SEAL, Inner hub
25	9-141019	4	• BEARING
26	9-405094	20	• WHEEL STUD
27	9-404206	2	• HUB
28	9-405098	2	• O-RING
29	9-141033	4	• BOLT
30	9-196638	16	• STUD
			<a href="#">Part list continued in the following page</a>

2.9 Rear Axle - Reduction Hub - Continued

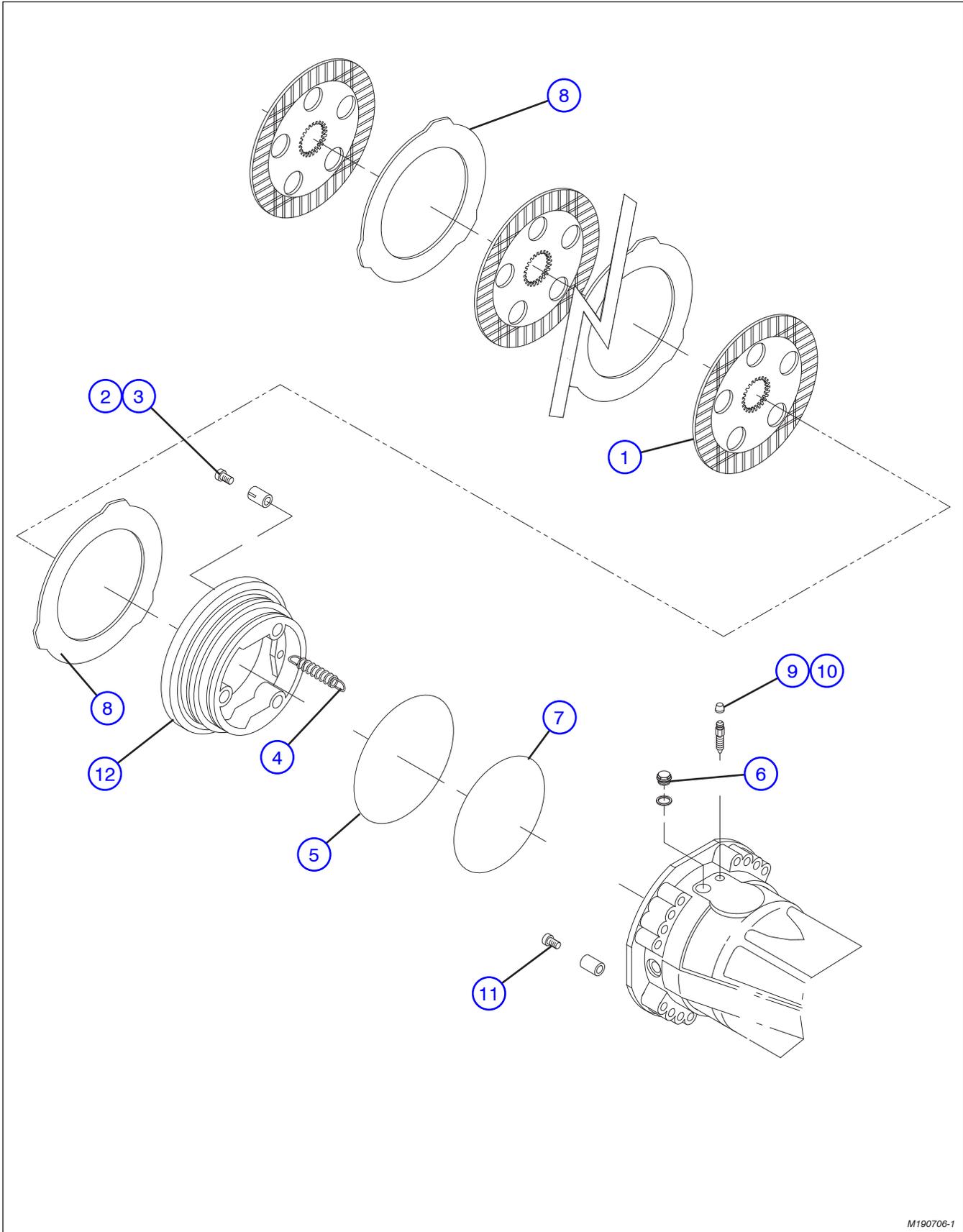


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2.9 Rear Axle - Reduction Hub - Continued

Index No.	Skyjack Part No.	Qty.	Description
			<a href="#">Parts list continued from previous page</a>
31	9-196639	16	• NUT
32	9-141081	2	• LOCKING PLATE
33	9-140966	2	• CIRCLIP
34	9-406392	2	• SHIM
35	9-196640	2	• PLANETARY GEAR CARRIER
36	9-141028	8	• • CIRCLIP
37	9-404207	2	• • PLANETARY GEAR CARRIER BASE
38	9-196641	1	• STEERING CASE - Left
39	9-196642	1	• STEERING CASE - Right
40	9-168284	4	• SUPPORT, Ring gear
41	9-168275	4	• • BOLT
42	9-403088	4	• • NUT
43	9-141042	2	• KIT, Ring gear support
44	9-141023	2	• • RING GEAR
45	9-141024	2	• • RING GEAR SUPPORT
46	9-141022	2	• • CIRCLIP
47	9-196643	8	• PLANET GEAR
48	9-141029	8	• • PLANET GEAR
49	9-141030	8	• • BEARING

2.10 Rear Axle - Brakes

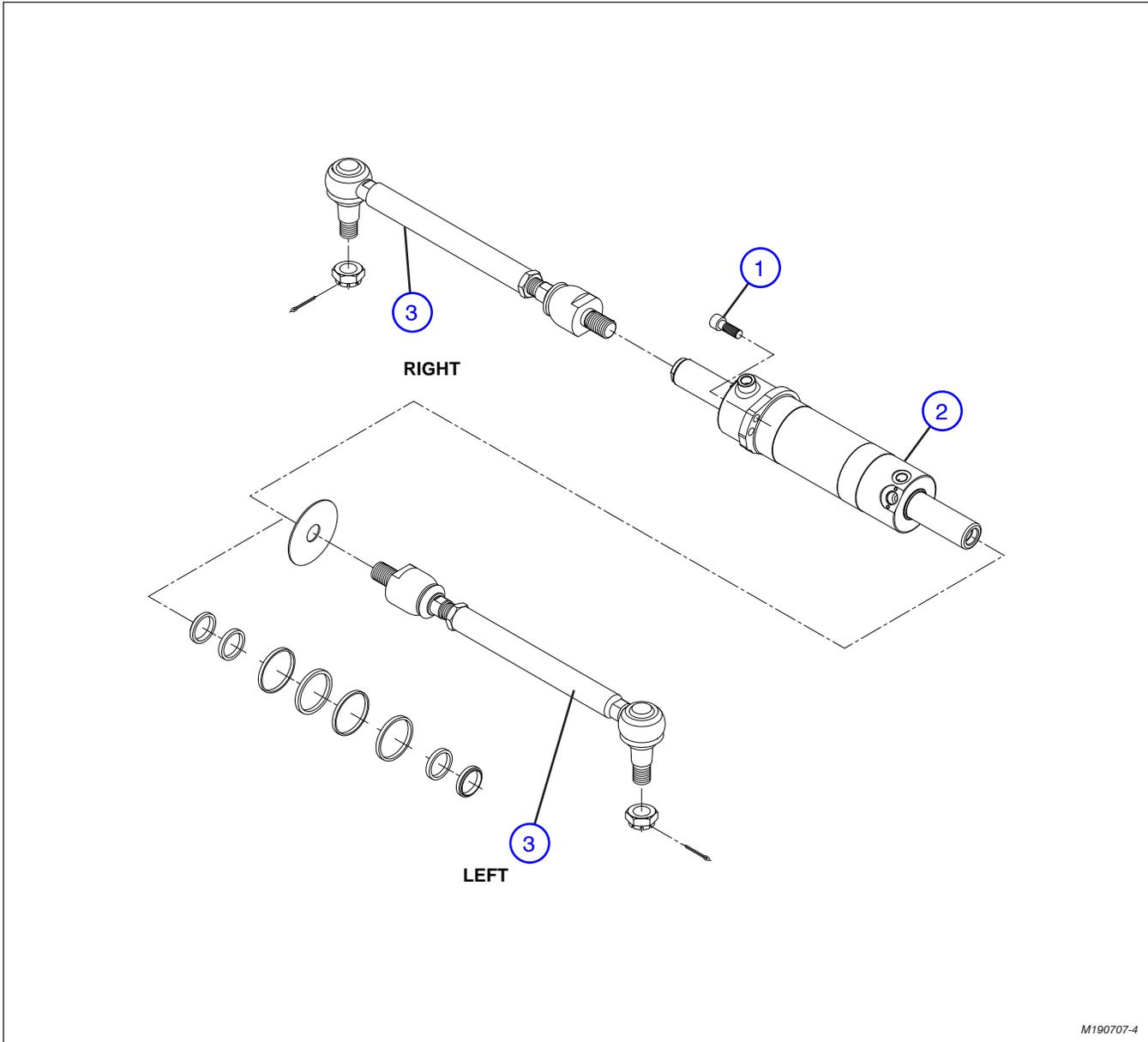


M190706-1

2.10 Rear Axle - Brakes

Index No.	Skyjack Part No.	Qty.	Description
-	9-170837	1	BRAKES, FRONT
1	9-196656	8	• DISC BRAKE
2	9-196657	6	• ADJUSTING BOLT
3	9-141098	6	• SPRING
4	9-405248	6	• SPRING
5	9-196658	2	• O - RING
6	9-168299	2	• WASHER
7	9-196659	2	• O - RING
8	9-404210	10	• INTERMEDIATE BRAKE DISC
9	9-141086	2	• BLEEDING BOLT
10	9-141006	2	• PLUG
11	9-196660	2	• PILOT BOLT
12	9-196661	2	• PISTON

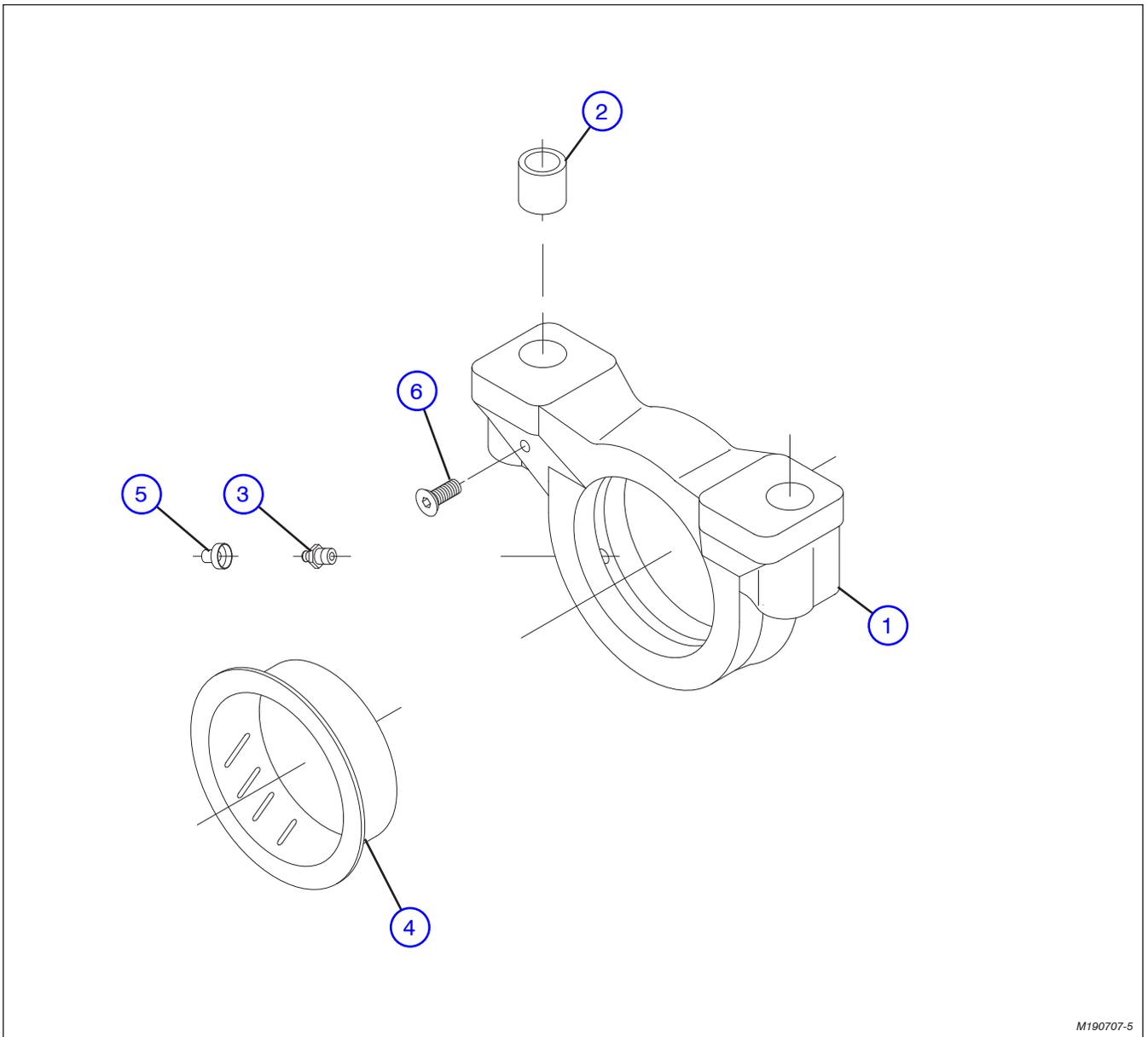
**2.11 Rear Axle - Steering**



M190707-4

Index No.	Skyjack Part No.	Qty.	Description
-	9-169240	1	STEERING ASSEMBLY
1	9-195047	4	• BOLT
2	9-169241	1	• CYLINDER, STEER
3	9-196650	2	• BAR

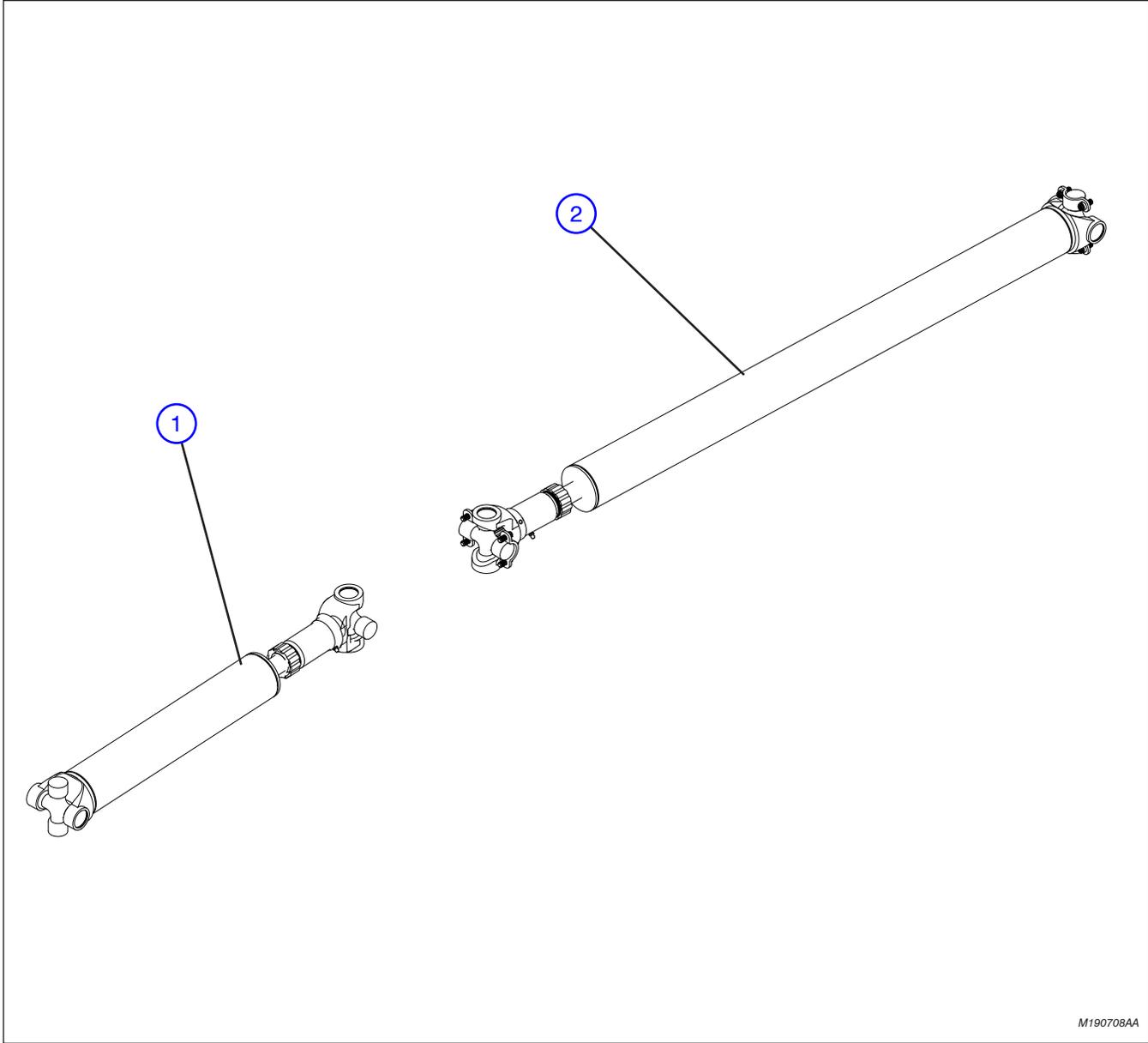
## 2.12 Rear Axle - Trunion



M190707-5

Index No.	Skyjack Part No.	Qty.	Description
-	9-196651	1	TRUNION
1	9-196652	1	• SUPPORT
2	9-406998	2	• • REDUCTION BUSHING, Axle pivot mount
3	9-168273	1	• • FITTING, GREASE
4	9-406999	1	• • THRUST BUSHING, Axle pivot mount
5	9-141006	1	• • PLUG
6	9-196654	1	• BOLT

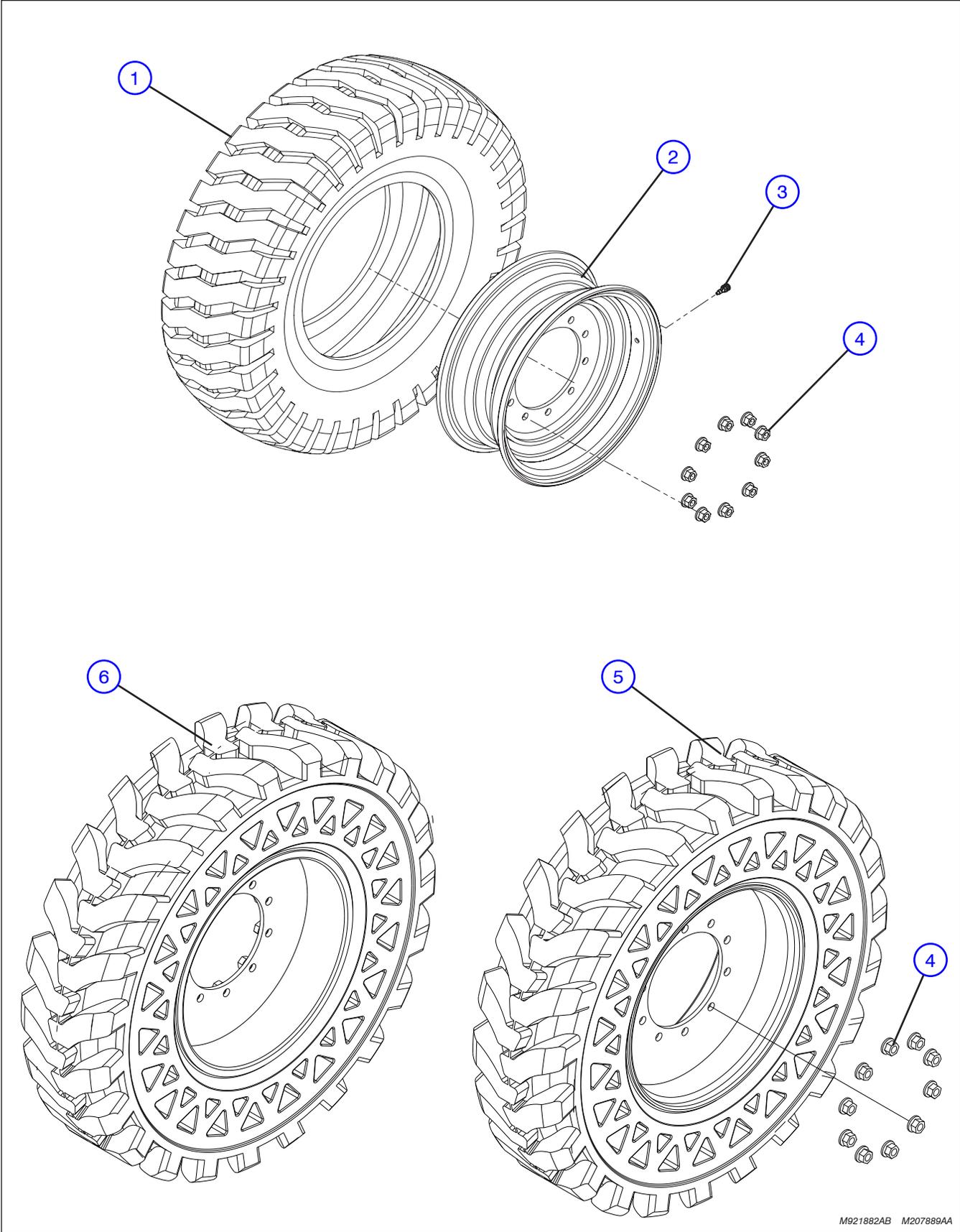
**2.13 Drive Shaft Assembly**



M190708AA

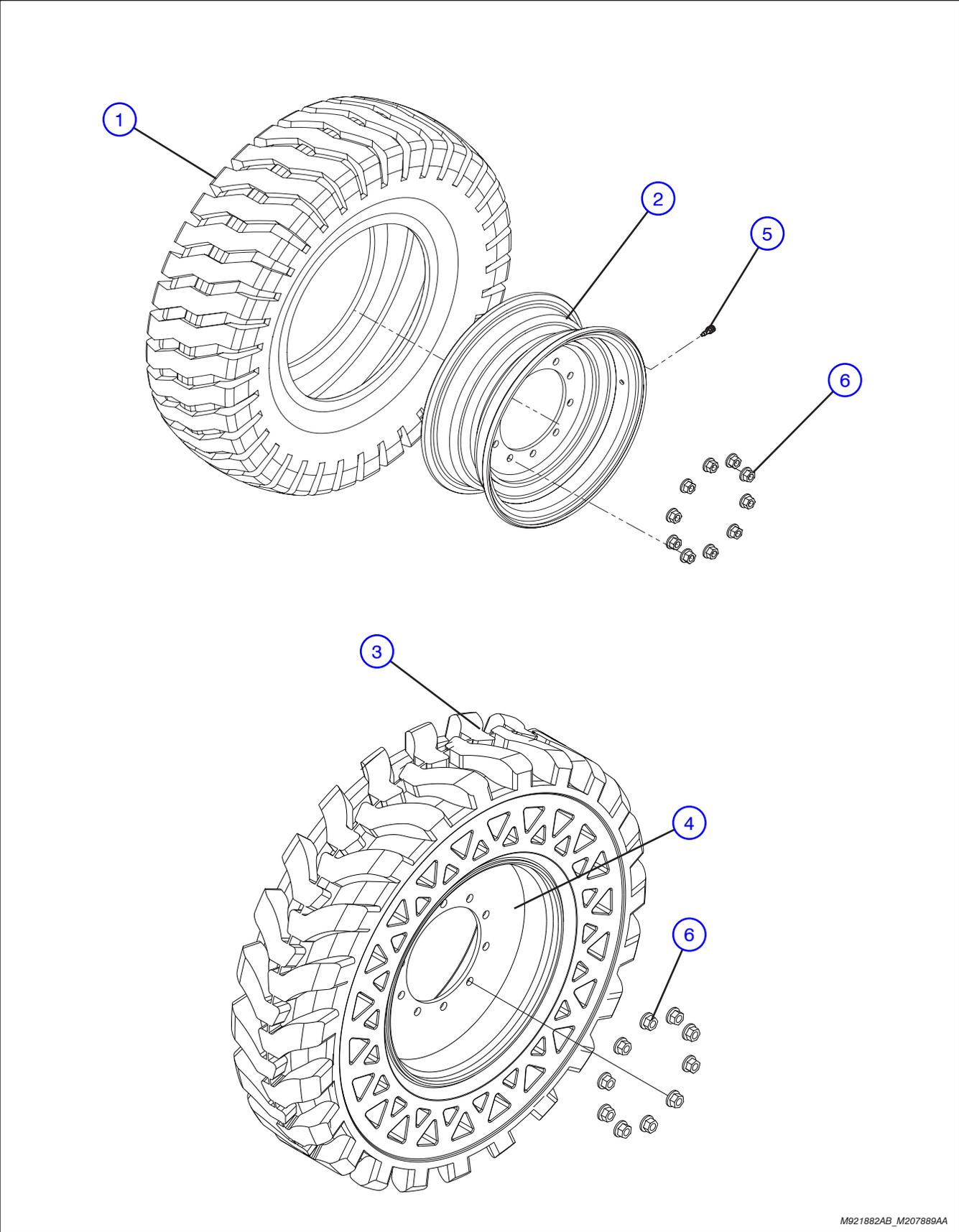
Index No.	Skyjack Part No.	Qty.	Description
-	9-190708	1	DRIVE SHAFT SUBGROUP
1	9-190381	1	• DRIVE SHAFT, Front
2	9-190382	1	• DRIVE SHAFT, Rear





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Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	9-161574	1	ASSEMBLY, TIRE - PRIMEX G3000 13 x 24 16PR G-2 (Air Filled)
	9-168080	2	• TIRE, Rim assembly LH PRIMEX G3000 13 x 24 16PR
	9-168081	2	• TIRE, Rim assembly RH PRIMEX G3000 13 x 24 16PR
<b>B</b>	9-207583	1	ASSEMBLY, TIRE - Foam Rough Terrain, Galaxy Giraffe 13-24, 14PR
	9-207579	2	• TIRE, WHEEL ASSY RH GALAXY GIRAFFE 13-24 FM 799.1
	9-207575	2	• • TIRE, WHEEL ASSY RH GALAXY GIRAFFE XLW13-24 299.1
	9-207582	2	• TIRE, WHEEL ASSY LH GALAXY GIRAFFE 13-24 FM 799.1
	9-207580	2	• • TIRE, WHEEL ASSY LH GALAXY GIRAFFE XLW 13-24
<b>C</b>	9-922099	1	TIRE, PRIMEX GRADE ROCK 13 x 24 16 PR L3 (Hard Surface, Air Filled)
	9-923400	4	• ASSEMBLY, Tire/wheel 13 x 24 L3
<b>D</b>	9-167343	1	TIRE, PRIMEX GRADE ROCK 13 x 24 16 PR L3 (Hard Surface, Foam Filled)
	9-167388	1	• ASSEMBLY, Tire/wheel 13 x 24 L3 Grade Rock XT (Hard Surface)
<b>E</b>	9-207889	1	TIRE, SOLIDAR 13.00-24
<b>F</b>	9-207918	1	TIRE, SOLIDBOSS 13.00-24
	9-207984	2	• TIRE, RH Solidboss 13.00-24
	9-207915	2	• TIRE, LH Solidboss 13.00-24
<b>G</b>	9-207605	1	ASSEMBLY, TIRE - Air Rough Terrain, Galaxy Giraffe 13-24, 14PR
	9-207575	2	• TIRE, WHEEL ASSY RH GALAXY GIRAFFE XLW13-24 299.1
	9-207580	2	• TIRE, WHEEL ASSY LH GALAXY GIRAFFE XLW 13-24
1	9-161577	1	TIRE, Primex G3000, 13 x 24 16PR G-2 <b>A</b>
	9-923402	1	TIRE, Primex grade rock 13 x 24 16 PR L3 (Hard Surface) - <b>C, D</b>
	9-207565	1	TIRE, GALAXY GIRAFFE XLW 13-24, 14PR - <b>B, G</b>
2	9-923401	4	RIM, 24.0 X 9.0 TH843 - <b>A, C, D</b>
	9-207545	1	RIM, 24.0 X 9.0, SJX43TH - <b>B, G</b>
	9-208754	1	RIM, Solidboss 13-24 - <b>F</b>
3	9-932593	4	VALVE, Air - <b>A, B, C, D, G</b>
4	9-927901	40	NUT, Wheel M22 x 1.5 - <b>A, B, C, D, E, F, G</b>
	9-207888	2	TIRE, RH Solidar 13.00-24 - <b>E</b>
5	9-208753	2	TIRE, Solidboss 13.00-24 - <b>F</b>
	9-207985	2	TIRE, LH Solidar 13.00-24 - <b>E</b>
6	9-142384	4	LABEL, Tires foam filled - <b>B, D</b>
-	9-161594	4	LABEL, Tire pressure 87 PSI / 6 BAR - <b>A, G</b>
-	9-402156	4	LABEL, Tire pressure 80 PSI - <b>C</b>



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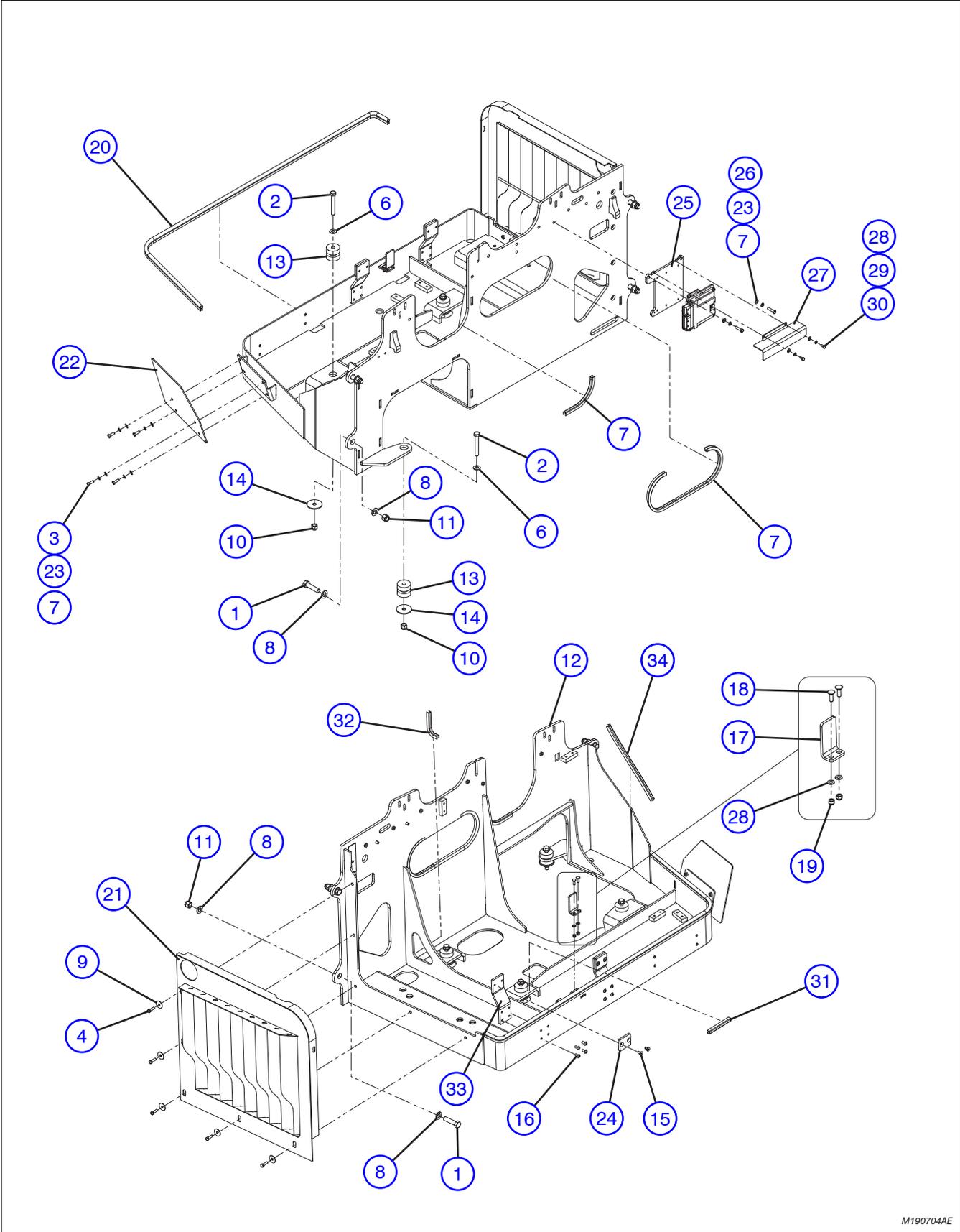
Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	9-211565	1	TIRE GROUP, NON MARKING FOAM FILL 13-24
	9-211566	2	• TIRE, WHEEL NON-MARKING RH 13-24
	9-211568	1	• • TIRE, WHEEL NON-MARKING RH 13-24
	9-211567	2	• TIRE, WHEEL NON-MARKING LH 13-24
	9-211569	1	• • TIRE, WHEEL NON-MARKING RH 13-24
<b>B</b>	9-212061	1	TIRE GROUP, SOLID NON MARKING 13-24
	9-212063	2	• TIRE, WHEEL SOLID NON-MARKING RH 13-24
	9-212062	2	• TIRE, WHEEL SOLID NON-MARKING LH 13-24
1	9-211570	1	TIRE, Non-marking 13 x 24 16PR SL G2 - <b>A</b>
2	9-207545	1	RIM, 24.0 X 9.0, SJX43TH - <b>A</b>
3	9-212064	1	TIRE, Solid Non-marking 13 x 24 - <b>B</b>
4	9-208754	1	RIM, SOLIDBOSS 13 x 24 - <b>B</b>
5	9-932593	4	VALVE, Air - <b>A</b>
6	9-927901	40	NUT, Wheel M22 x 1.5 - <b>A, B</b>
7	9-142384	4	LABEL, Tires foam filled - <b>A</b>



- 3.1 Engine Tray Assembly**
- 3.2 Engine and Transmission Installation**
- 3.3 Engine Deutz 2.9L**
- 3.4 Transmission Assembly**
- 3.5 Fuel Lines**
- 3.6 Air Intake System Installation**
- 3.7 Exhaust Installation**
- 3.8 Cooling Package Assembly**
- 3.9 Cooler - Internal Breakdown**
- 3.10 Radiator Internal breakdown**
- 3.11 Hydraulic Pump Assembly**

3.1 Engine Tray Assembly

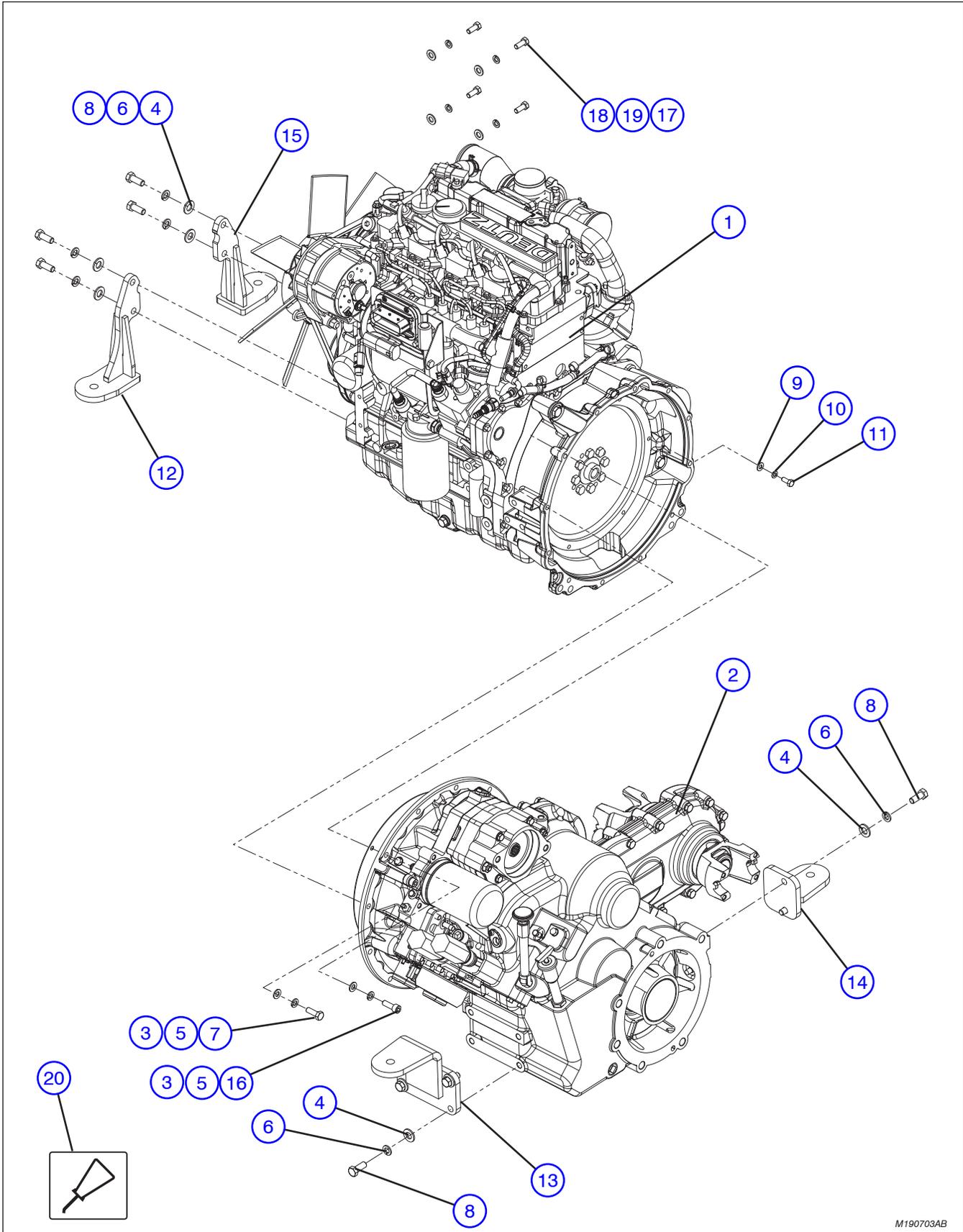
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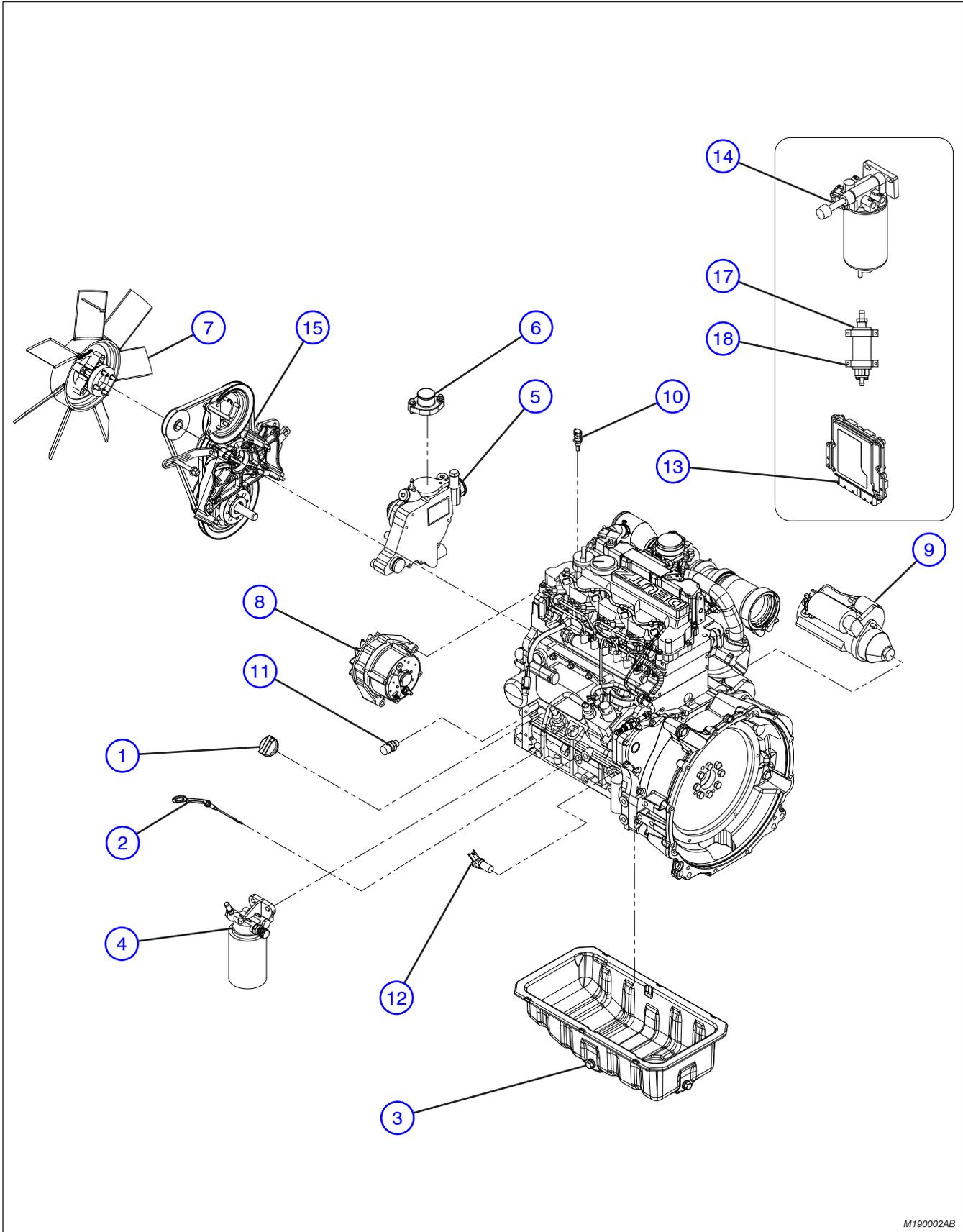
Index No.	Skyjack Part No.	Qty.	Description
-	9-190704	-	ENGINE TRAY ASSEMBLY
1	9-103894	4	• BOLT, Hex head 3/4"-10 X 3" grade 8
2	9-701762	4	• BOLT, Hex head 5/8"-11 X 4-1/2" grade 8
3	9-103473	4	• BOLT, Hex head 3/8"-16 X 1" grade 5
4	9-101297	5	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 5
5	9-702194	8	• WASHER, Flat 3/4" hard high zinc
6	9-700782	4	• WASHER, Flat 5/8" hard high zinc
7	9-196566	54"	• PROTECTIVE TRIM, 1/2-5/8"
8	9-103996	2	• WASHER, Flat 5/16" SAE
9	9-127067	5	• WASHER, Flat 3/8" style BB
10	9-111577	4	• NUT, Lock with nylon insert 5/8"-11 grade 5
11	9-700575	4	• NUT, Lock 3/4"-10 grade 8
12	9-190745	1	• WELDMENT, TH Engine tray
13	9-190749	4	• ISOLATOR, Engine
14	9-190889	4	• WASHER, Rebound
15	9-411768	4	• BOLT, Flat head cap 3/8"-16 X 3/4" grade 5
16	9-170182	8	• BOLT, Button head cap 3/8"-16 X 3/4"
17	9-190484	1	• BRACKET, Latch
18	9-133216	2	• BOLT, CARRIAGE 5/16"-18 X 1" grade 5
19	9-103984	2	• NUT, Lock with nylon insert 5/16"-18 grade 5
20	9-190483	86"	• SEAL, 1/4" edge X 5/8" bulb
21	9-191190	1	• WELDMENT, Inlet grill
22	9-191405	1	• PLATE, Cowling fender
23	9-103999	6	• WASHER, Lock 3/8"
24	9-190936	2	• PAD, Cowling hard stop
25	9-191383	1	• PLATE, ECU mounting
26	9-103472	6	• WASHER, Flat 3/8"
27	9-103870	2	• BOLT, Hex head 3/8"-16 X 1-1/2" grade 5
28	9-191351	1	• COVER, ECU
29	9-103996	2	• WASHER, Flat 5/16"
30	9-103404	2	• WASHER, Lock 5/16"
31	9-148331	2	• BOLT, Hex head 5/16"-18 X 5/8" grade 5
32	9-119922	7"	• TRIM, Protective 1/4 - 1/2"
33	9-190935	2	• BRACKET, Cowling hard stop
34	9-119922	21"	• TRIM, Protective 1/4 - 1/2"

### 3.2 Engine and Transmission Installation



Index No.	Skyjack Part No.	Qty.	Description
-	9-190703	1	ENGINE / TRANSMISSION INSTALLATION
1	(Ref.)	1	<ul style="list-style-type: none"> <li>ENGINE, Deutz TCD 2.9 L4 T4F (For components, refer to Section 3.3)</li> </ul>
2	(Ref.)	1	<ul style="list-style-type: none"> <li>ASSEMBLY, Transmission VDT12000 (For components, refer to Section 3.4)</li> </ul>
3	9-933833	10	<ul style="list-style-type: none"> <li>WASHER, Flat M10-OD 20.0</li> </ul>
4	9-933817	10	<ul style="list-style-type: none"> <li>WASHER, Flat M12 CL 200 Y</li> </ul>
5	9-130884	10	<ul style="list-style-type: none"> <li>WASHER, Lock M10 plated DIN 127B</li> </ul>
6	9-116995	10	<ul style="list-style-type: none"> <li>WASHER, Lock M12 plated DIN 127B</li> </ul>
7	9-933658	9	<ul style="list-style-type: none"> <li>BOLT, Hex head M10 X 1-1/2" X 30 mm grade 10.9 ZP</li> </ul>
8	9-933659	10	<ul style="list-style-type: none"> <li>BOLT, Hex head M12-1-3/4" X 30 mm CL 10.9</li> </ul>
9	9-103996	6	<ul style="list-style-type: none"> <li>WASHER, Flat 5/16"</li> </ul>
10	9-103404	6	<ul style="list-style-type: none"> <li>WASHER, Lock 5/16"</li> </ul>
11	9-158320	6	<ul style="list-style-type: none"> <li>BOLT, Hex head 5/16"-18 X 3/4" grade 8</li> </ul>
12	9-190875	1	<ul style="list-style-type: none"> <li>MOUNT, 2.9L engine outer</li> </ul>
13	9-190709	1	<ul style="list-style-type: none"> <li>MOUNT, Transmission - outer</li> </ul>
14	9-190712	1	<ul style="list-style-type: none"> <li>MOUNT, Transmission - inner</li> </ul>
15	9-190876	1	<ul style="list-style-type: none"> <li>MOUNT, 2.9L engine inner</li> </ul>
16	9-191757	1	<ul style="list-style-type: none"> <li>BOLT, Socket head M10-1-1/2" x 30</li> </ul>
17	9-103857	4	<ul style="list-style-type: none"> <li>BOLT, Hex head 1/4"-20 X 1" grade 5 (ECU mounting hardware)</li> </ul>
18	9-103995	4	<ul style="list-style-type: none"> <li>WASHER, Flat 1/4" (ECU mounting hardware)</li> </ul>
19	9-104000	4	<ul style="list-style-type: none"> <li>WASHER, Lock 1/4" (ECU mounting hardware)</li> </ul>
20	(Ref.)	1	<ul style="list-style-type: none"> <li>OIL, Hydraulic (For components, refer to Section 11.1)</li> </ul>

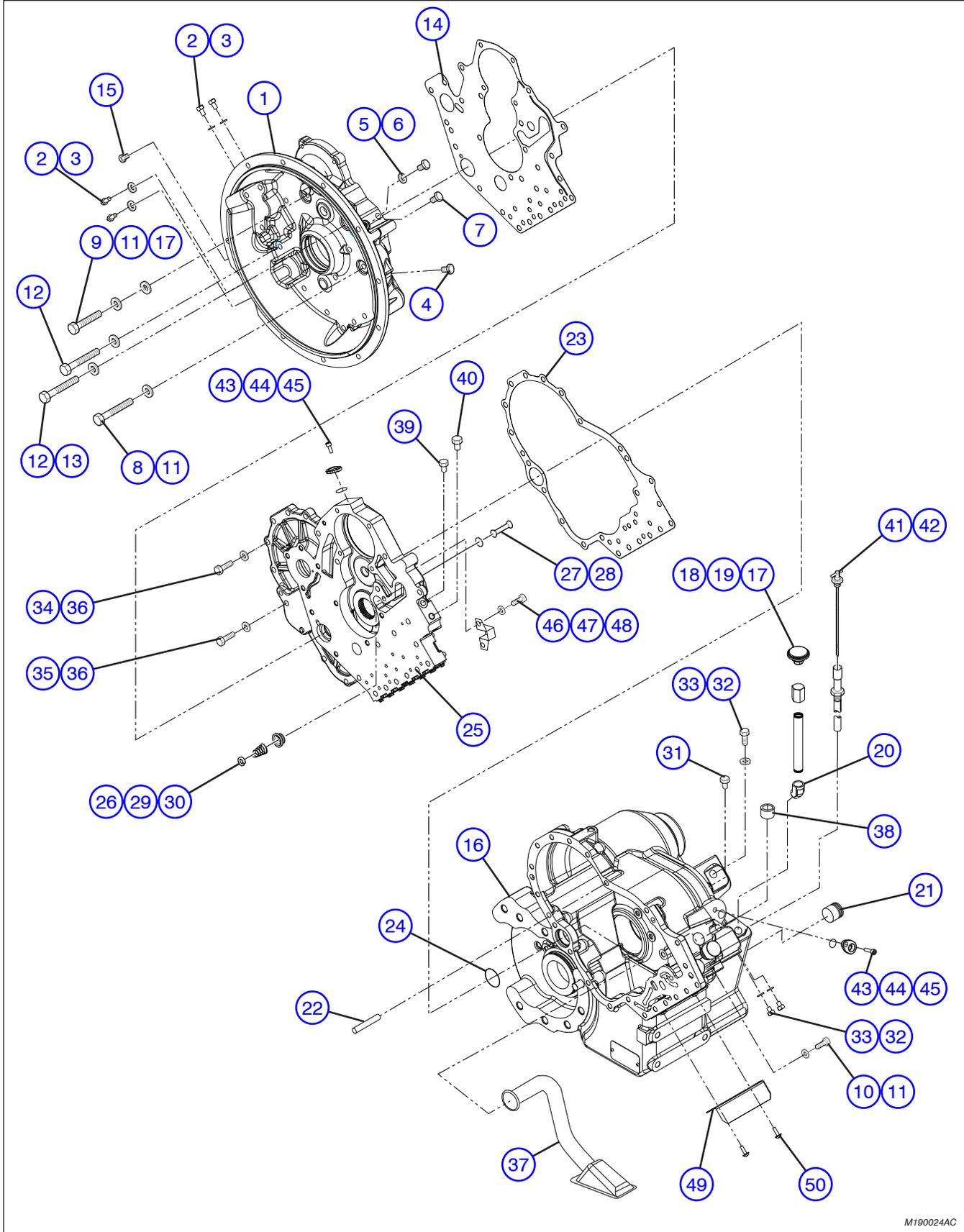
### 3.3 Engine Deutz 2.9L



M190002AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-190002	1	ASSEMBLY, ENGINE DEUTZ 2.9L
1	9-166689	1	• CAP, Filler
2	9-196870	1	• INDICATOR, Fluid level
3	9-196871	1	• PAN, Oil
4	9-196872	1	• FILTER, Fuel
-	9-164771	1	• • FILTER, Fuel Spin-on
-	9-166700	1	• • SENSOR, pressure
5	9-196880	1	• ASSEMBLY, Coolant pump
6	9-166699	1	• SWITCH, Thermostat
7	9-196882	1	• FAN
8	9-166693	1	• ALTERNATOR
9	9-166692	1	• STARTER
10	9-166702	1	• TEMPERATURE TRANSMITTER
11	9-166700	1	• SENSOR, Pressure
12	9-196886	1	• TACHO-GENERATOR
13	9-196887	1	• CONTROL UNIT
14	9-196888	1	• FILTER, Prefilter Fuel
-	9-196889	1	• • CARTRIDGE, Filter
-	9-169249	1	• • WIRE, Sensor cable
-	9-196893	1	• • PLUG, Vent
15	9-196894	1	• ASSEMBLY, V-grooved pulley
-	9-166694	1	• • BELT, V-belt
16	9-196896	1	• FILTER, Oil (Not Shown)
17	9-164770	1	• PUMP, Fuel supply
18	9-197095	2	• • CLIP

3.4 Transmission Assembly - Housing & Case Group

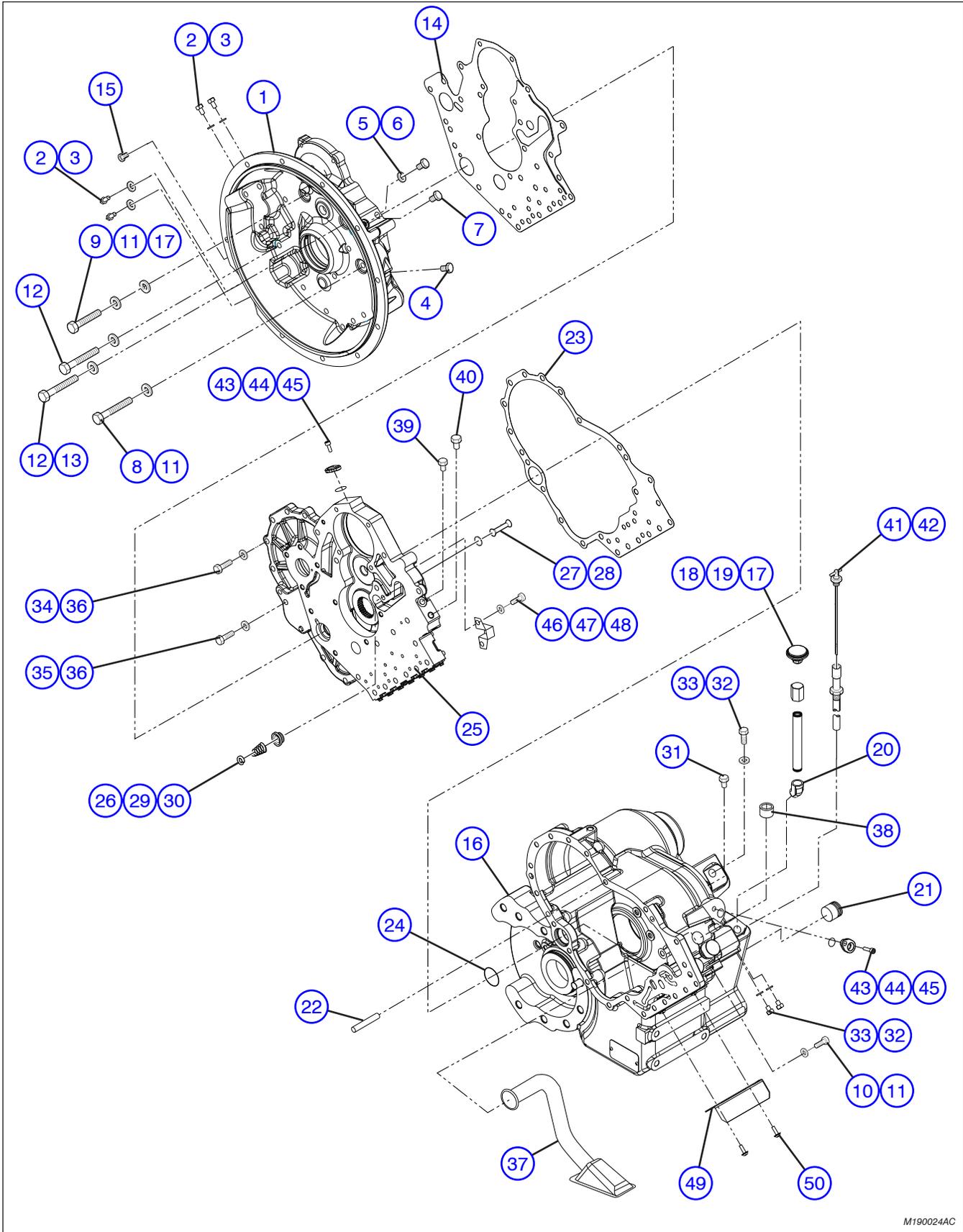


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### 3.4 Transmission Assembly - Housing & Case Group

Index No.	Skyjack Part No.	Qty.	Description
-	9-190024	1	ASSEMBLY, TRANSMISSION VDT 12000
1	9-196663	1	• HOUSING, Converter
2	9-196664	4	• PLUG
3	9-196665	4	• • O RING
4	9-196666	1	• PLUG-Regulator pressure side
5	9-196664	1	• PLUG
6	9-196665	1	• • O RING
7	9-196667	1	• PLUG
8	9-196668	6	• SCREW
9	9-196669	3	• SCREW
10	9-196670	1	• SCREW
11	9-196671	10	• WASHER, Lock
12	9-196669	13	• SCREW
13	9-196671	13	• WASHER, Lock
14	9-407606	1	• GASKET
15	9-196673	1	• SWITCH, Temperature
16	9-196675	1	• TRANSMISSION CASE
17	9-406776	1	• BREATHER-AIR
18	9-196677	1	• NIPPLE-PIPE
19	9-196678	1	• COUPLING-PIPE
20	9-196679	1	• FITTING, Elbow
21	9-406511	2	• PLUG, Magnetic drain
22	9-196681	2	• PIN
23	9-407607	1	• GASKET
24	9-406859	1	• RING, Oil supply tube seal
25	9-196684	1	• PLATE, Spacer
26	9-196685	1	• SEAT, Safety valve
27	9-196686	1	• SNAP RING, Seat
28	9-196687	1	• POPPET
29	9-196688	1	• SPRING
30	9-196689	1	• WASHER, Poppet retaining
			<a href="#">Parts list continued on following page</a>

### 3.4 Transmission Assembly - Housing & Case Group

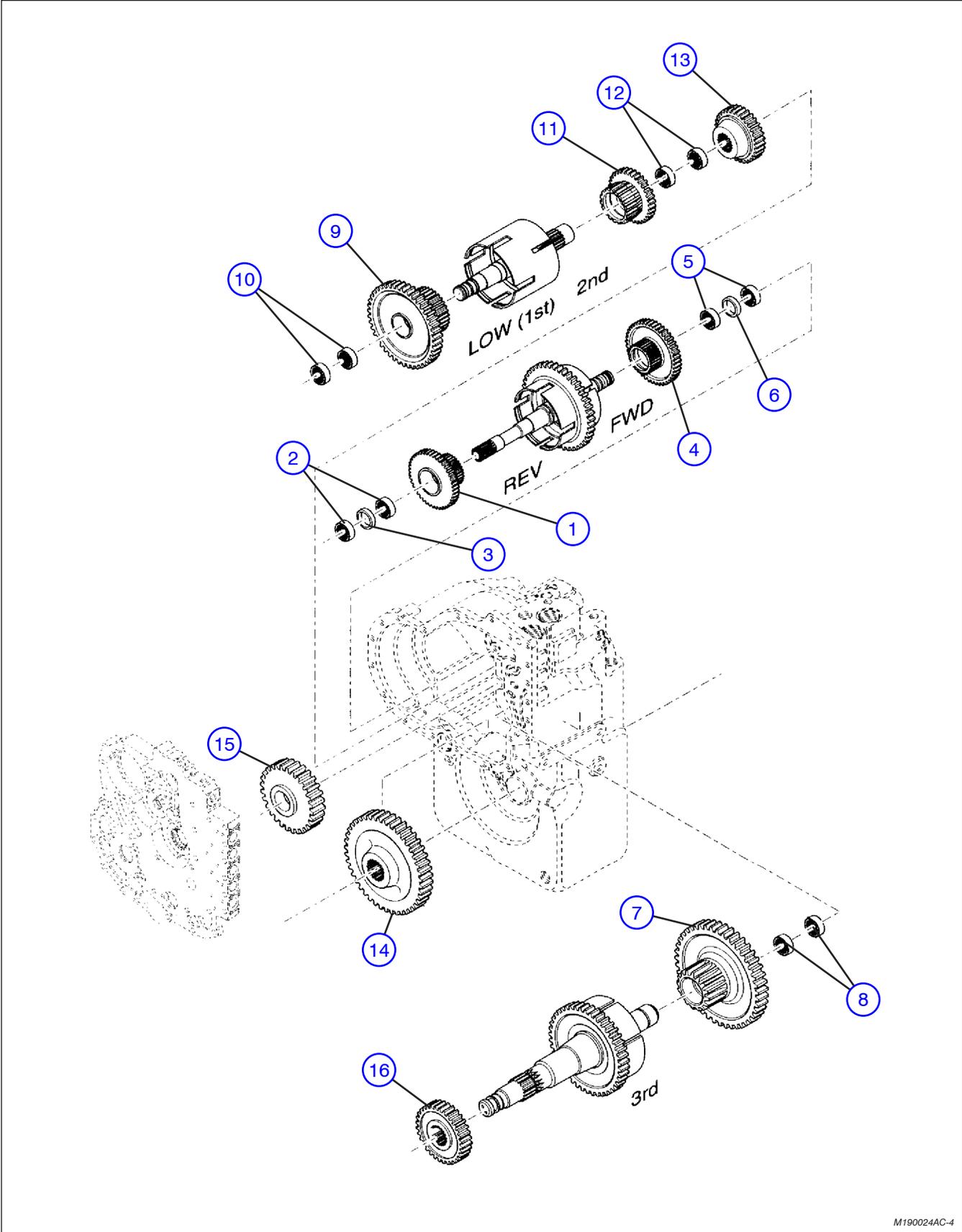


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### 3.4 Transmission Assembly - Housing & Case Group

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from previous page
31	9-196666	1	• PLUG
32	9-196664	3	• PLUG
33	9-196665	3	• • O RING
34	9-196690	7	• SCREW
35	9-196691	2	• SCREW
36	9-196671	9	• WASHER, Lock
37	9-196692	1	• ASSEMBLY, Suction tube
38	9-196693	1	• PLUG
39	9-196666	1	• PLUG
40	9-196667	1	• PLUG
41	9-196694	1	• ASSEMBLY, Dipstick tube
42	9-196695	1	• DIPSTICK-Cold level
43	9-407623	2	• PLUG
44	9-407630	2	• O RING
45	9-407484	2	• SCREW
46	9-196698	2	• CAPSCREW
47	9-196699	2	• WASHER
48	9-196700	1	• BAFFLE-Safety valve
49	9-196701	1	• PLATE-Solenoids protection
50	9-196702	2	• SCREW, Hex Socket button head capscrew w/flange m6x

3.5 Transmission Assembly - Gear Group

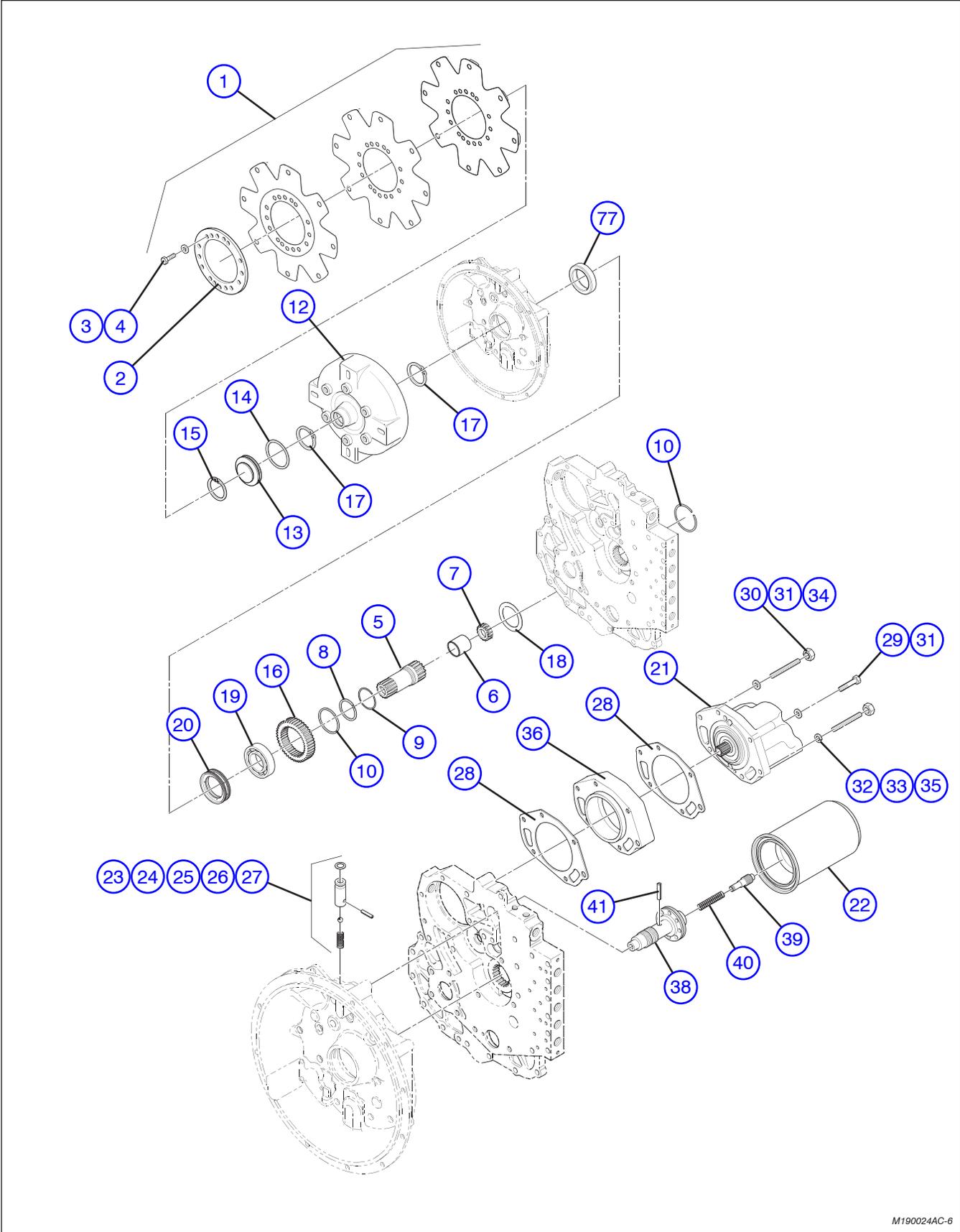


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### 3.5 Transmission Assembly - Gear Group

Index No.	Skyjack Part No.	Qty.	Description
1	9-196720	1	• ASSEMBLY, Reverse gear & bearing
2	9-406836	2	• • BEARING NEEDLE
3	9-196722	1	• • SPACER
4	9-196723	1	• ASSEMBLY, Forward gear & bearing
5	9-406836	2	• • BEARING NEEDLE
6	9-196722	1	• • SPACER
7	9-196724	1	• ASSEMBLY, 3rd clutch gear & bearing
8	9-407672	2	• • BEARING-NEEDLE
9	9-196726	1	• ASSEMBLY, 1st clutch gear & bearing
10	9-406836	2	• • BEARING NEEDLE
11	9-196727	1	• ASSEMBLY, 2nd clutch gear & bearing
12	9-406836	2	• • BEARING NEEDLE
13	9-196728	1	• GEAR, 3rd driven
14	9-196729	1	• GEAR, Output shaft
15	9-196730	1	• GEAR, Reverse idler
16	9-196731	1	• GEAR, First drive

**3.6 Transmission - Drive Plate, Torque Converter & Pump Group**

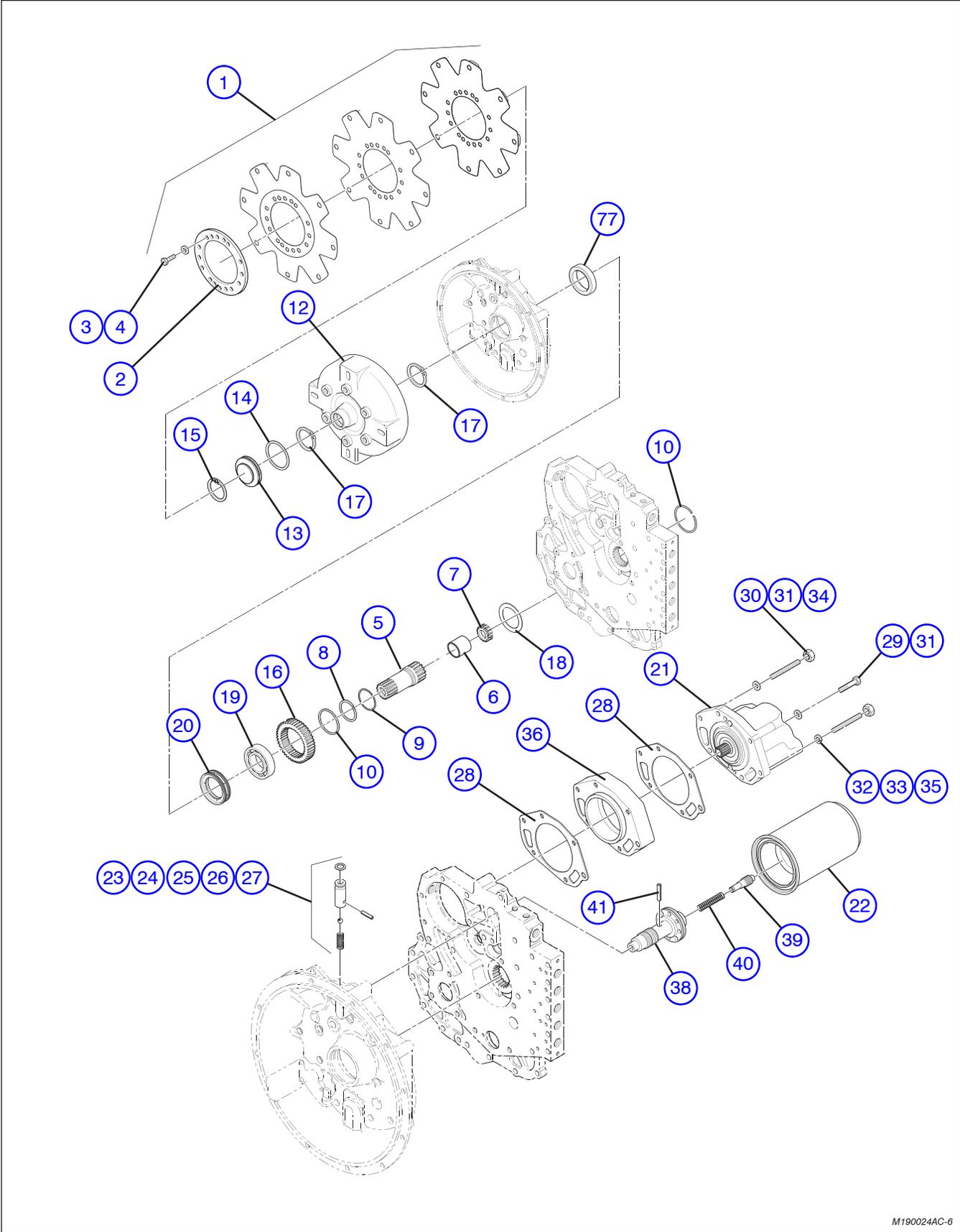


M190024AC-6

### 3.6 Transmission - Drive Plate, Torque Converter & Pump Group

Index No.	Skyjack Part No.	Qty.	Description
1	9-196866	1	• KIT, Drive plate
2	9-406861	1	• • RING, Backing
3	9-196868	6	• • CAPSCREW
4	9-407780	6	• • WASHER, Lock
5	9-196704	1	• ASSEMBLY, Stator support
6	9-196705	1	• • BUSHING
7	9-196706	1	• • BEARING
8	9-406856	1	• RING, Stator support piston
9	9-406858	1	• EXPANDER, Stator support piston ring
10	9-406853	2	• SNAP RING, Stator support
11	9-406870	1	• SEAL
12	9-196711	1	• ASSEMBLY, Torque converter
13	9-406587	1	• PLUG
14	9-408324	1	• O RING
15	9-406847	1	• SNAP RING
16	9-196714	1	• GEAR, Impeller hub
17	9-406855	2	• SNAP RING
18	9-406831	1	• WASHER
19	9-406593	1	• BEARING
20	9-196718	1	• RING-OIL DISTRIBUTOR
21	9-196742	1	• ASSEMBLY, Charge pump
22	9-196743	1	• ASSEMBLY, Hydraulic spin filter
23	9-196744	1	• ASSEMBLY, Ball check valve
24	9-196745	1	• • BALL
25	9-196746	1	• • SPRING, Check valve
26	9-196747	1	• • PIN, Check valve
27	9-406923	1	• • O RING
28	9-406854	2	• GASKET, Pump & adaptor
29	9-196749	4	• SCREW
30	9-196750	1	• STUD
			<a href="#">Parts list continued in following page</a>

**3.6 Transmission - Drive Plate, Torque Converter & Pump Group**

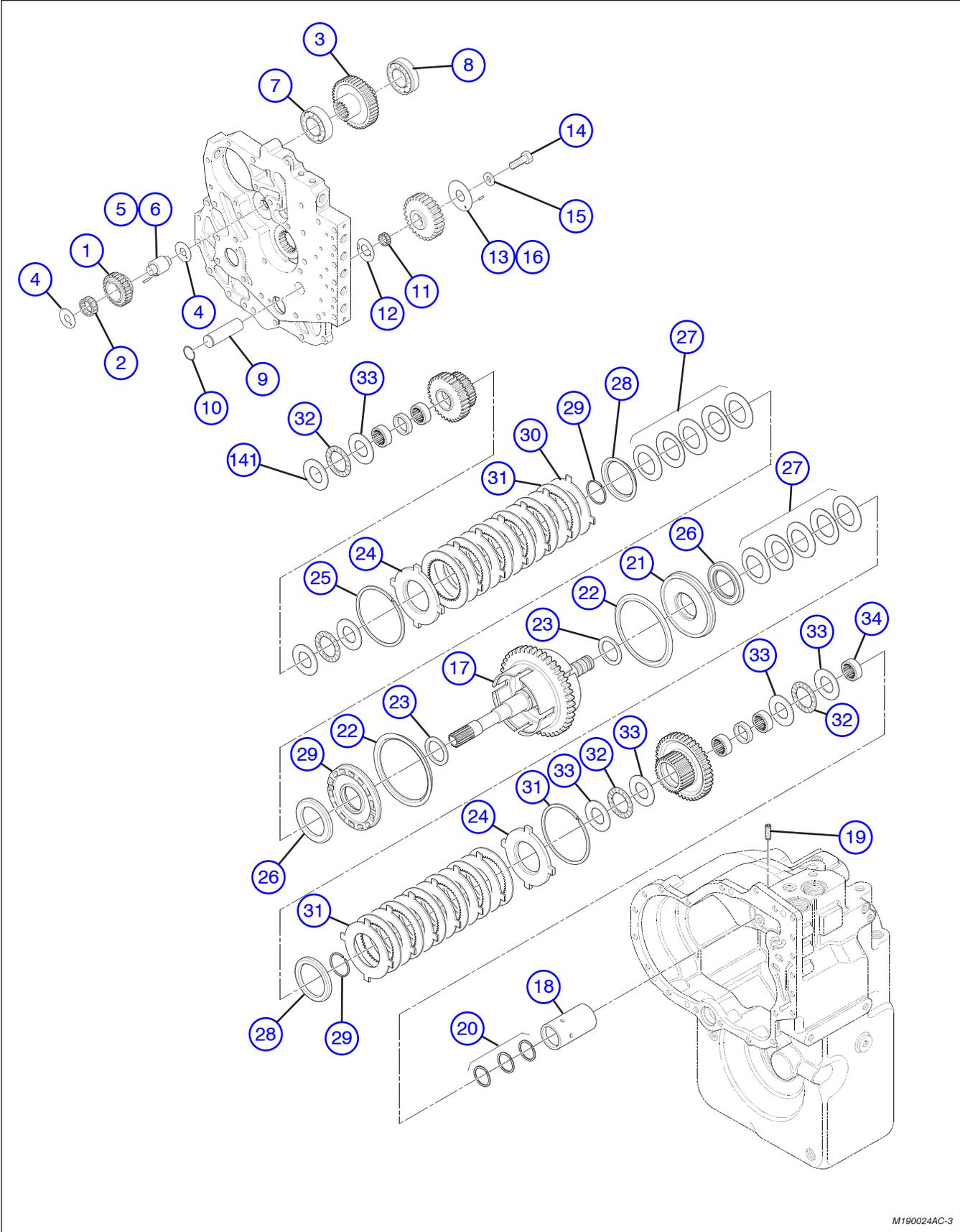


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### 3.6 Transmission - Drive Plate, Torque Converter & Pump Group

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from following page
31	9-196751	5	• WASHER, Lock
32	9-196752	1	• STUD
33	9-196671	1	• WASHER, Lock
34	9-196753	1	• NUT
35	9-196754	1	• NUT
36	9-196755	1	• ADAPTOR
37	9-196756	1	• ASSEMBLY, Regulator valve
38	9-407604	1	• • SLEEVE
39	9-196758	1	• • PISTON
40	9-196759	1	• • SPRING
41	9-196760	1	• • PIN
42	9-196761	2	• CAPSCREW (Not Shown)

**3.7 Transmission Assembly - Forward & Reverse Group**

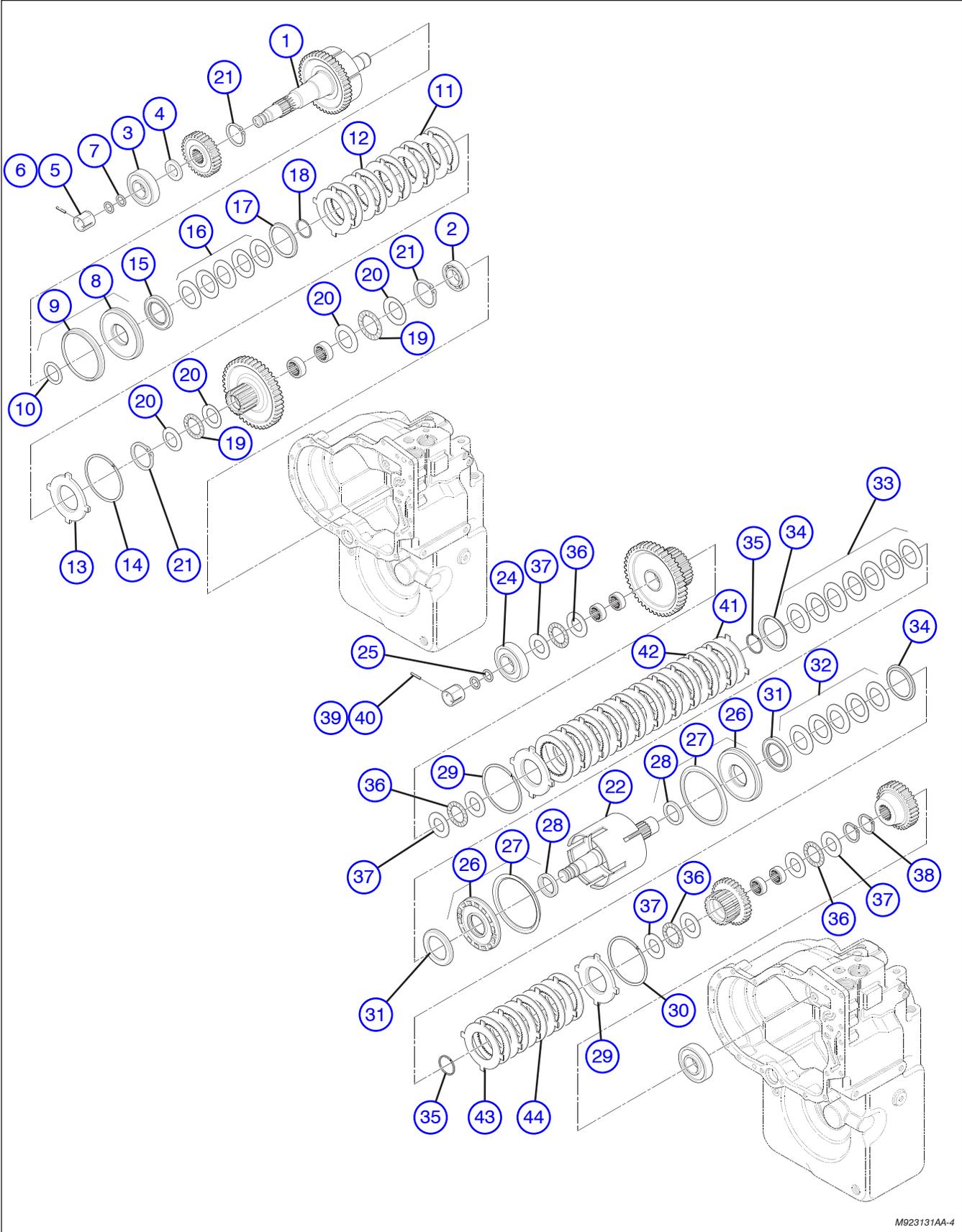


M190024AC-3

### 3.7 Transmission Assembly - Forward & Reverse Group

Index No.	Skyjack Part No.	Qty.	Description
1	9-196733	1	• GEAR, Pump drive idler
2	9-406645	1	• BEARING
3	9-196735	1	• GEAR, Pump drive
4	9-196736	2	• WASHER
5	9-196737	1	• ASSEMBLY, Pump drive shaft & pin
6	9-196738	1	• • PIN, ROLL
7	9-196739	1	• BEARING, Pump drive gear
8	9-196740	1	• BEARING, Pump drive gear
9	9-196763	1	• SHAFT-IDLER & PILOT
10	9-196764	1	• SNAP RING
11	9-406649	1	• BEARING
12	9-196766	1	• WASHER
13	9-196767	1	• PLATE
14	9-196768	1	• CAPSCREW
15	9-196769	1	• WASHER
16	9-196770	1	• ROLL PIN
17	9-196772	1	• ASSEMBLY, Turbine shaft, drum & plug
18	9-196773	1	• SLEEVE, Oil distributor
19	9-196774	1	• SCREW
20	9-406644	3	• RING
21	9-196776	2	• ASSEMBLY, Piston and seals
22	9-406826	2	• • SEAL
23	9-406822	2	• • SEAL
24	9-406837	2	• PLATE
25	9-406824	2	• SNAP RING
26	9-406834	2	• PLATE
27	9-406880	2	• ASSEMBLY, Disc spring (include 5 washers)
28	9-406850	2	• SNAP RING, Retainer
29	9-406835	2	• SNAP RING, Retainer
30	9-406829	12	• DISC, OUTER
31	9-406830	12	• DISC, INNER
32	9-406832	4	• BEARING
33	9-406833	8	• WASHER
34	9-406838	1	• BEARING

**3.8 Transmission Assembly - First, Second & Third Shaft**

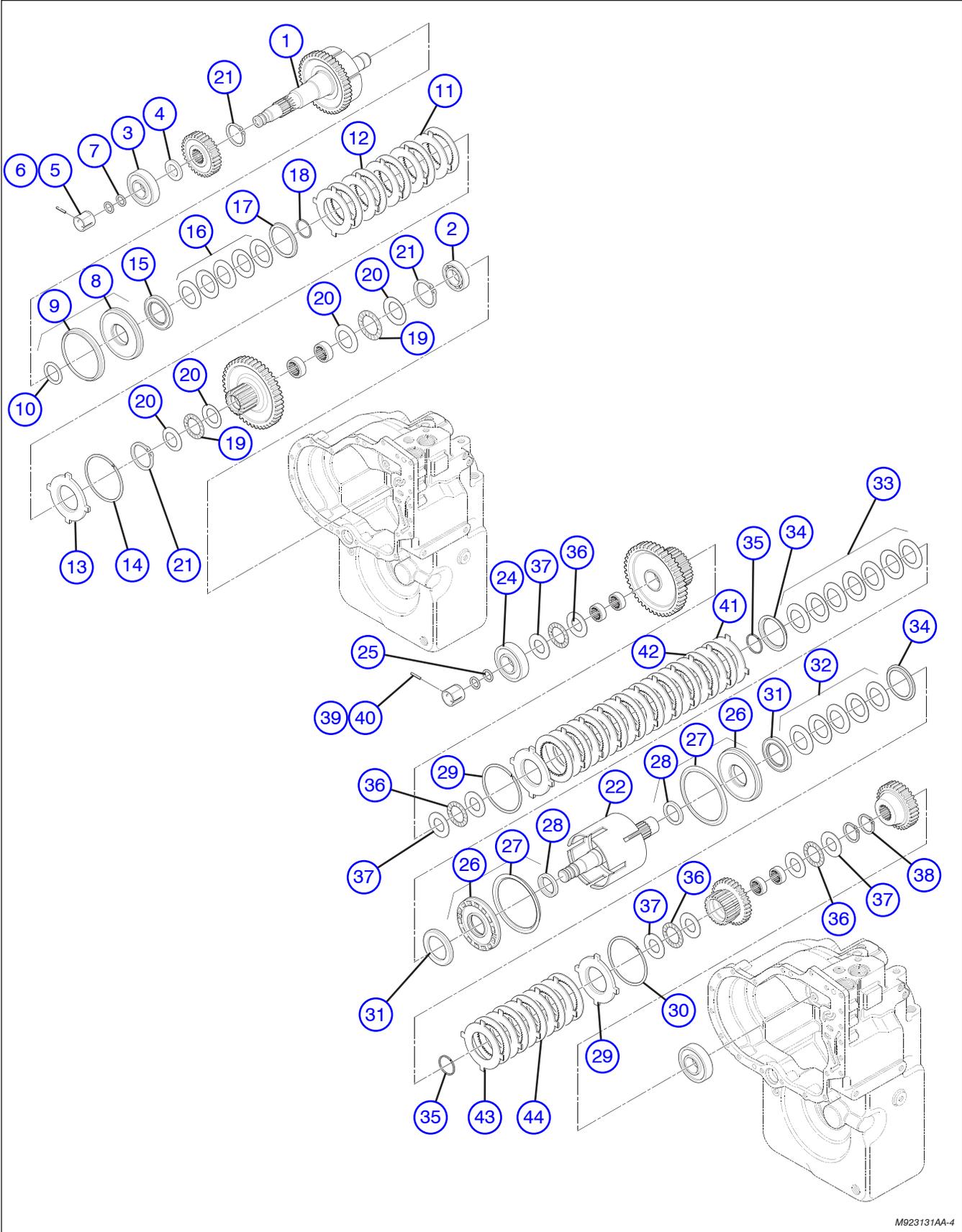


M923131AA-4

### 3.8 Transmission Assembly - First, Second & Third Shaft

Index No.	Skyjack Part No.	Qty.	Description
1	9-196791	1	• ASSEMBLY, 3rd shaft, drum and plug
2	9-407673	1	• BEARING
3	9-407655	1	• ASSEMBLY, Bearing & seal
4	9-196794	1	• WASHER
5	9-196795	1	• SLEEVE
6	9-196796	1	• SCREW
7	9-406644	2	• RING
8	9-196797	1	• ASSEMBLY, Clutch piston & seals
9	9-406826	1	• • SEAL
10	9-406822	1	• • SEAL
11	9-406829	5	• DISC-OUTER
12	9-406830	5	• DISC-INNER
13	9-406837	1	• PLATE
14	9-406824	1	• SNAP RING
15	9-406834	1	• PLATE
16	9-406880	1	• ASSEMBLY, Disc spring
17	9-406850	1	• SNAP RING, Retainer
18	9-406835	1	• SNAP RING, Retainer
19	9-196798	2	• BEARING
20	9-196799	4	• WASHER
21	9-196800	3	• SNAP RING, External
22	9-196802	1	• ASSEMBLY, 1st and 2nd shaft, drum, plug and seat
23	9-406857	1	• BEARING
24	9-407655	1	• ASSEMBLY, Bearing & seal
25	9-406644	2	• RING
26	9-196804	2	• ASSEMBLY, Piston & seals
27	9-406826	2	• • SEAL
28	9-406822	2	• • SEAL
29	9-406837	2	• PLATE
30	9-406824	2	• SNAP RING
			<a href="#">Parts list continued in following page</a>

**3.8 Transmission Assembly - First, Second & Third Shaft**

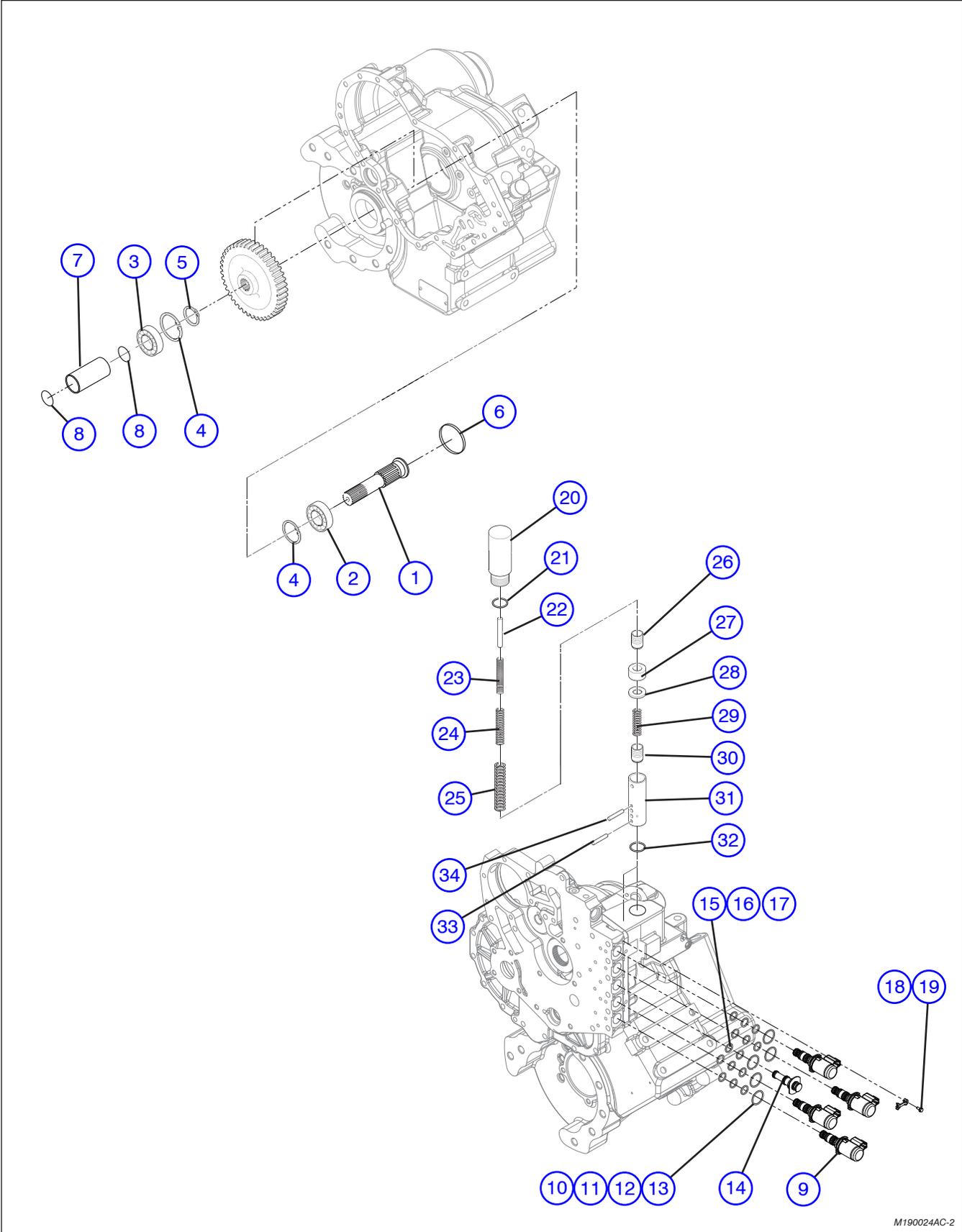


M923131AA-4

### 3.8 Transmission Assembly - First, Second & Third Shaft

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from previous page
31	9-406834	2	• PLATE
32	9-406880	1	• ASSEMBLY, Disc spring 2nd-(include 5 washers)
33	9-196805	1	• ASSEMBLY, Disc spring 1st-(include 7 washers)
34	9-406850	2	• RETAINER, Snap ring
35	9-406835	2	• SNAP RING, Retainer
36	9-406832	4	• BEARING
37	9-406833	8	• WASHER
38	9-196806	2	• SNAP RING
39	9-196807	1	• SLEEVE
40	9-196796	1	• SCREW
41	9-406829	10	• DISC, Outer 1st
42	9-406830	10	• DISC, Inner 1st
43	9-406829	5	• DISC, Outer 2nd
44	9-406830	5	• DISC, Inner 2nd

**3.9 Transmission Assembly - Output Shaft and Control Group**

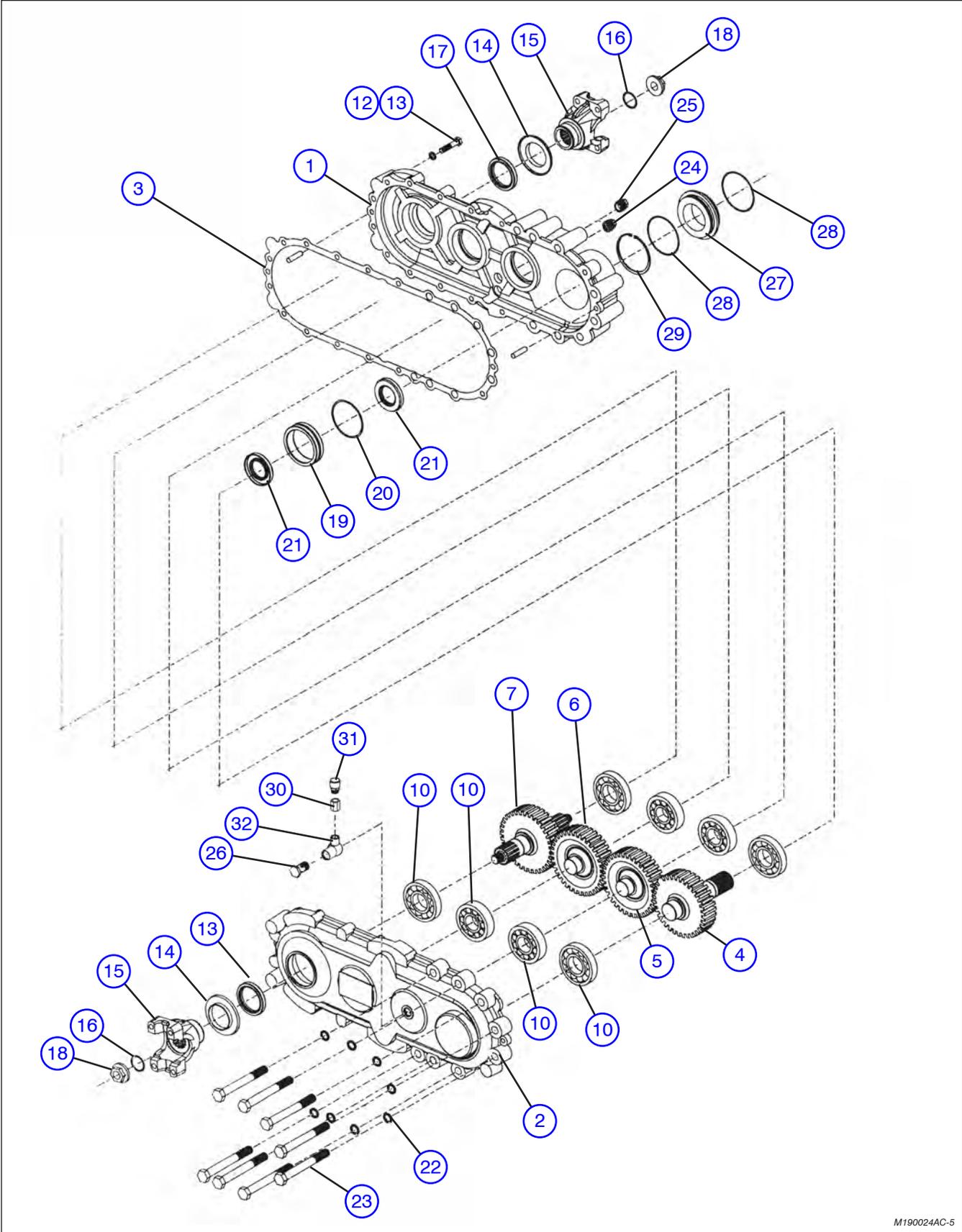


M190024AC-2

### 3.9 Transmission Assembly - Output Shaft and Control Group

Index No.	Skyjack Part No.	Qty.	Description
1	9-196809	1	• SHAFT, Output
2	9-406614	1	• BALL BEARING 210S
3	9-196811	1	• BEARING
4	9-408754	2	• RING, Snap
5	9-408020	1	• SNAP RING
6	9-196812	1	• PLUG-END
7	9-196813	1	• COUPLING, Drive
8	9-196800	2	• SNAP RING, External
9	9-407683	4	• SOLENOID, Drop in w/ deutsch connector 12V
10	9-196842	4	• • O-RING, 21.5x1.5 mm viton-
11	9-196843	4	• • O-RING, 15.1x1.60 mm viton
12	9-196844	4	• • O-RING, 14.1x1.60 mm viton
13	9-196845	4	• • O-RING, 12.1x1.60 mm viton
14	9-196846	1	• PLUG, Solenoid bore
15	9-196847	1	• • O-RING, 18.0x 2.20 mm viton
16	9-196843	1	• • O-RING, 15.1x1.60 mm viton
17	9-196845	1	• • O-RING, 12.1x1.60 mm viton
18	9-196848	6	• CLAMP
19	9-196849	12	• SCREW, With integrated washer (M4X10 class 10.9)
20	9-196851	1	• HOUSING, Modulation valve
21	9-196852	1	• O-RING
22	9-196853	1	• PIN-STOP
23	9-196854	1	• SPRING, Inner
24	9-196855	1	• SPRING, Middle
25	9-196856	1	• SPRING, Outer
26	9-196857	1	• SPOOL, Accumulator
27	9-196858	1	• RETAINER, Spring
28	9-196859	1	• SPACER, Spring
29	9-196860	1	• SPRING, Modulation valve
30	9-196861	1	• SPOOL, Regulator
31	9-196862	1	• SLEEVE, Modulation valve
32	9-408318	1	• O-RING, Sleeve
33	9-196863	1	• PIN, Lower
34	9-196864	1	• PIN, Upper

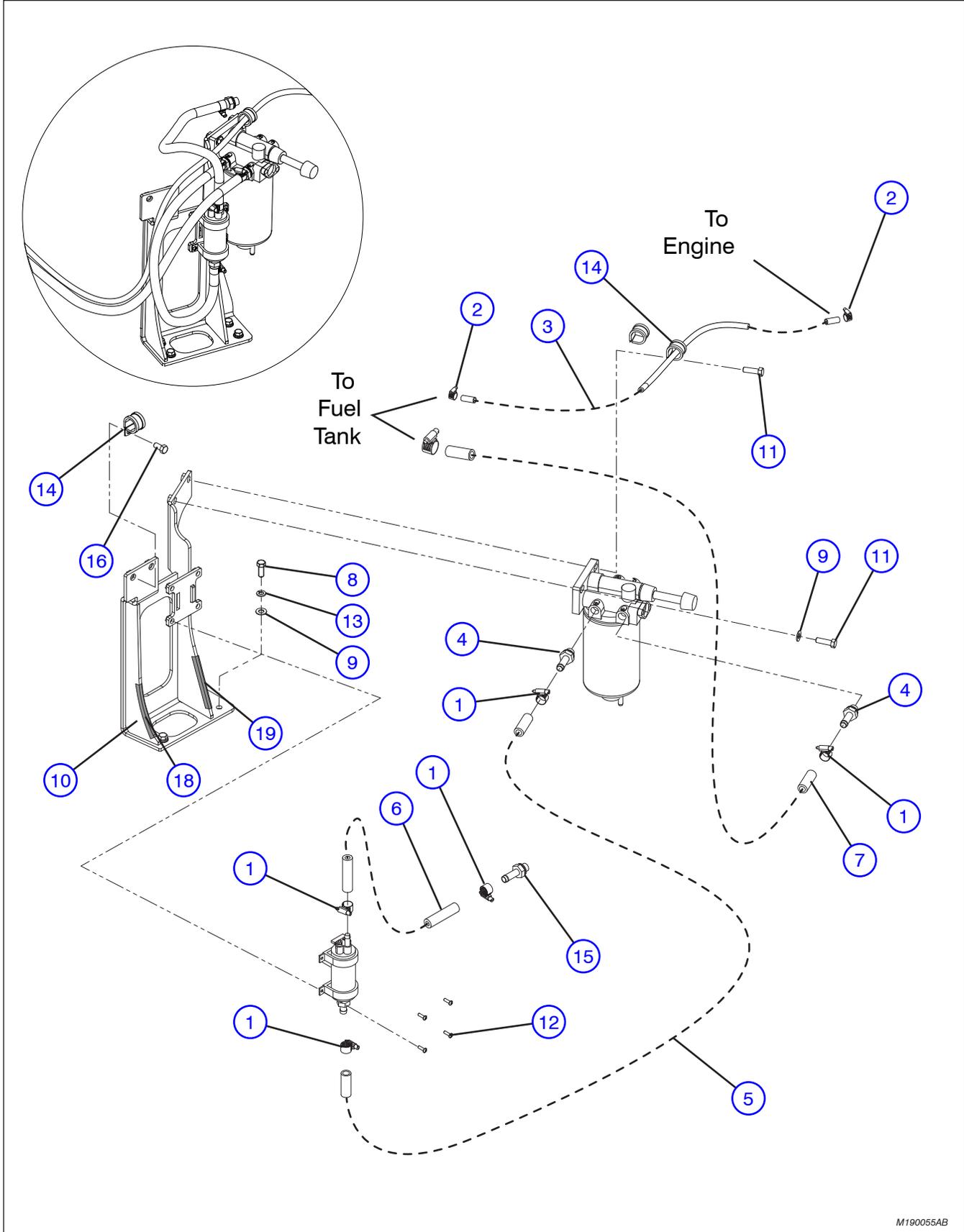
**3.10 Transmission Assembly - Drop Box**



M190024AC-5

### 3.10 Transmission Assembly - Drop Box

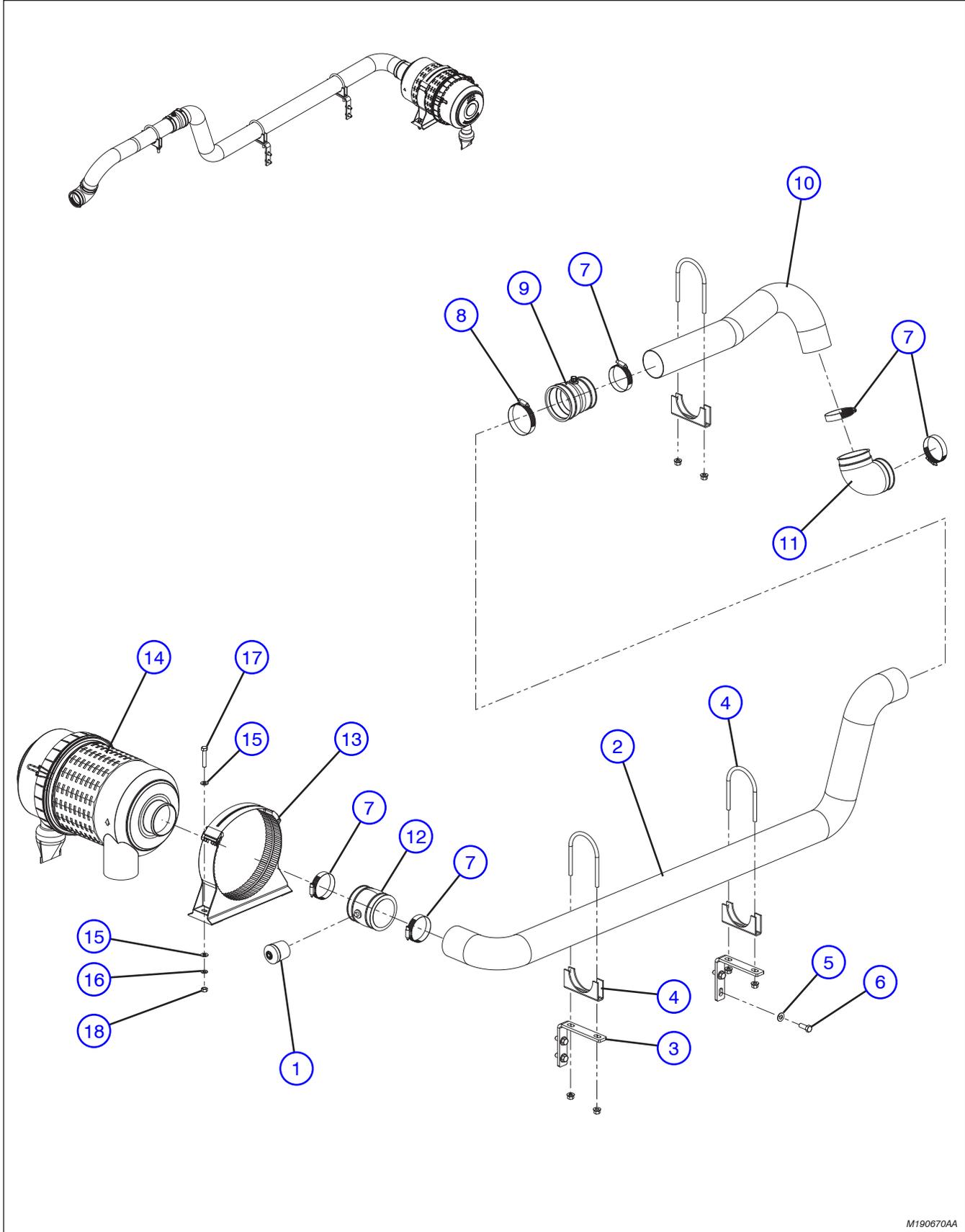
Index No.	Skyjack Part No.	Qty.	Description
1	9-196815	1	• COVER, Rear
2	9-196816	1	• COVER, Front
3	9-196817	1	• GASKET
4	9-196818	1	• SHAFT, Input dropbox 34t
5	9-196819	1	• GEAR, Idler 35t
6	9-196820	1	• GEAR, Idler 36t
7	9-196821	1	• SHAFT, Output dropbox 34t
8	9-196822	2	• BEARING
9	9-196823	2	• REAR BEARING
10	9-196824	4	• BEARING, Roller
11	9-196681	2	• PIN-ROLL
12	9-196691	13	• CAPSCREW
13	9-196671	13	• WASHER, Lock
14	9-407637	2	• OIL SEAL
15	9-196826	2	• FLANGE, Yoke 1480 without brake
16	9-406932	2	• O-RING
17	9-406685	2	• WASHER
18	9-406508	2	• NUT, Idler shaft
19	9-196829	1	• SLEEVE, Oil seal
20	9-408326	1	• O-RING
21	9-196830	2	• SEAL OIL
22	9-196831	8	• WASHER, Lock
23	9-196832	8	• SCREW, M16
24	9-407632	1	• PLUG, Magnetic drain
25	9-196834	1	• OIL LEVEL GLASS
26	9-196835	1	• PLUG
27	9-196836	1	• SLEEVE PILOT
28	9-196837	2	• O-RING
29	9-408754	1	• RING, Snap
30	9-196838	1	• ADAPTER
31	9-169159	1	• BREATHER
32	9-196839	1	• FITTING, Elbow 90° street



M190055AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-190055	1	FUEL LINES SUBGROUP, TH643/TH843
1	9-116342	6	<ul style="list-style-type: none"> <li>• CLAMP, Gear #8</li> </ul>
2	9-103321	2	<ul style="list-style-type: none"> <li>• CLAMP, Gear (SAE #4 - 1/4"-13/16")</li> </ul>
3	9-102984	165"	<ul style="list-style-type: none"> <li>• FUEL LINE, 5/16" (#47PB-B194)</li> </ul>
4	9-163222	2	<ul style="list-style-type: none"> <li>• FITTING, Fuel hose</li> </ul>
5	9-163509	28"	<ul style="list-style-type: none"> <li>• HOSE, 1/2" 300 PSI</li> </ul>
6	9-166737	25"	<ul style="list-style-type: none"> <li>• HOSE, Fuel line 300 PSI 3/8" ID</li> </ul>
7	9-163509	145"	<ul style="list-style-type: none"> <li>• HOSE, 1/2" 300 PSI</li> </ul>
8	9-103473	4	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 1" grade 5</li> </ul>
9	9-103472	5	<ul style="list-style-type: none"> <li>• WASHER, Flat 3/8"</li> </ul>
10	9-191338	1	<ul style="list-style-type: none"> <li>• WELDMENT, Fuel filter mount</li> </ul>
11	9-101297	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 1-1/4" grade 5</li> </ul>
12	9-120094	4	<ul style="list-style-type: none"> <li>• SCREW, Round head machine 10-32 X 5/8"</li> </ul>
13	9-103999	4	<ul style="list-style-type: none"> <li>• WASHER, Lock 3/8"</li> </ul>
14	9-168707	3	<ul style="list-style-type: none"> <li>• CLAMP, Loop cushioned 1" DIA (#16)</li> </ul>
15	9-164977	1	<ul style="list-style-type: none"> <li>• FITTING, Fuel hose 3/8"</li> </ul>
16	9-101632	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 3/4" grade 5</li> </ul>
17	9-102893	12	<ul style="list-style-type: none"> <li>• TIEWRAP, Cable 14.5" Black (Not Shown)</li> </ul>
18	9-119922	5	<ul style="list-style-type: none"> <li>• TRIM, Protective 1/4"-1/2"</li> </ul>
19	9-119922	5	<ul style="list-style-type: none"> <li>• TRIM, Protective 1/4"-1/2"</li> </ul>
20	9-131732	12	<ul style="list-style-type: none"> <li>• SLLEVE, Nylon hose protection HG-46 (Not Shown)</li> </ul>

**3.12 Air Intake System Installation**

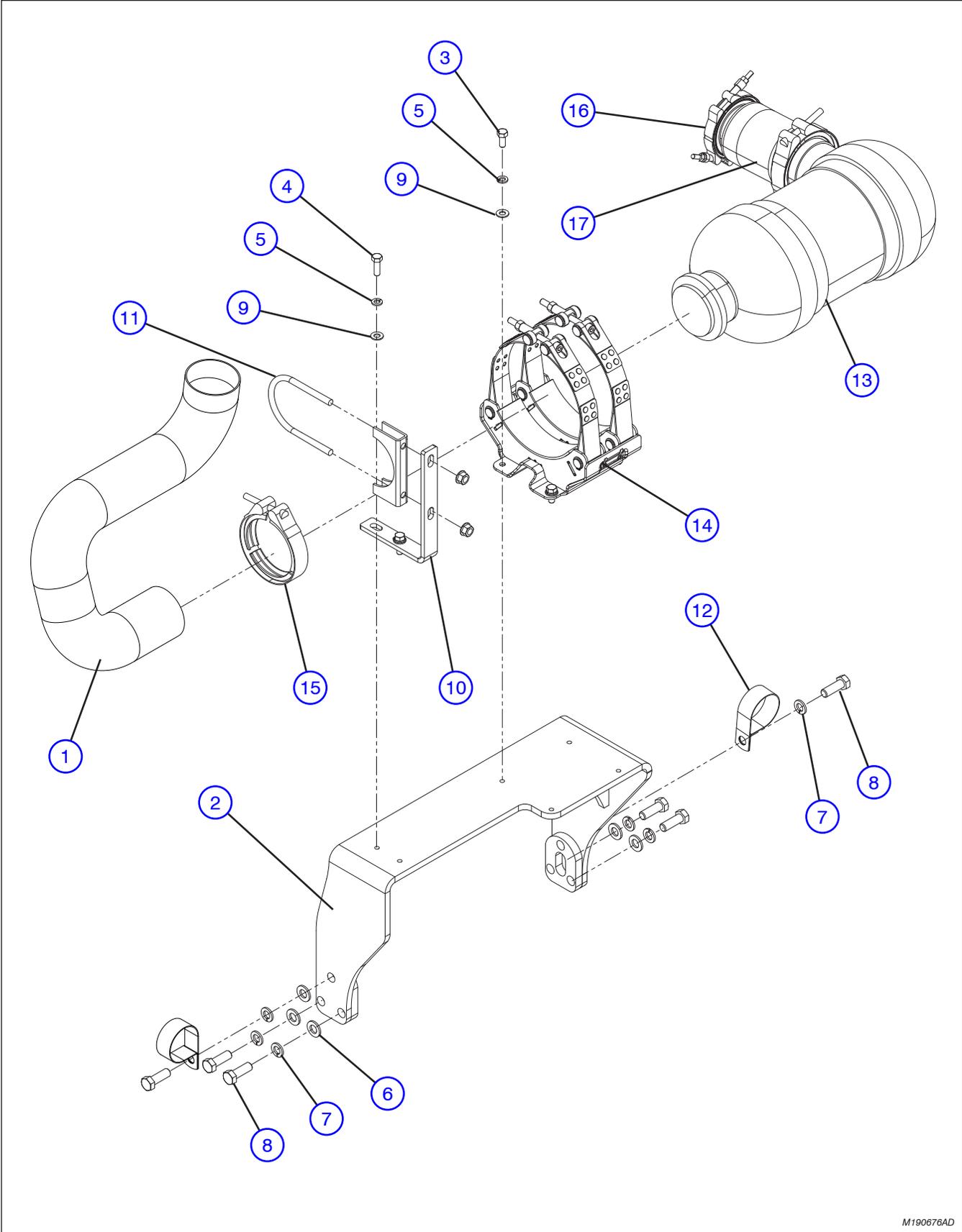


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### 3.12 Air Intake System Installation

Index No.	Skyjack Part No.	Qty.	Description
-	9-190670	1	ASSEMBLY, AIR INTAKE
1	9-190384	1	• INDICATOR, Service
2	9-190637	1	• TUBE, Air intake DEUTZ TCD 3.6 T4F
3	9-190480	2	• BRACKET, Exhaust support
4	9-928271	3	• CLAMP, Exhaust 3"
5	9-103472	4	• WASHER, Flat 3/8" SAE
6	9-103473	4	• BOLT, Hex head 3/8"-16 X 1" grade 5
7	9-138666	3	• CLAMP, Gear (SAE # 54)
8	9-163193	3	• CLAMP, Hose 3.00"
9	9-190638	1	• CONNECTOR, Reducing c/w port
10	9-190675	1	• TUBE, Air intake DEUTZ TCD 2.9 T4F
11	9-163248	1	• CONNECTOR, 90-EP300
12	9-190639	1	• CONNECTOR, Straight c/w port
13	9-190641	1	• BRACKET, Mounting - EP400
14	9-190640	1	• AIR CLEANER, Europiclón 400
-	9-197131	1	• • FILTER, Primary (Not shown)
-	9-197132	1	• • FILTER, Secondary (Not Shown)
15	9-103996	4	• WASHER, Flat 5/16"
16	9-103404	1	• WASHER, Lock 5/16"
17	9-103885	2	• BOLT, Hex head 5/16"-18 X 1-3/4" grade 5
18	9-100397	2	• NUT, Hex 5/16"-18 grade 5

**3.13 Exhaust Installation**

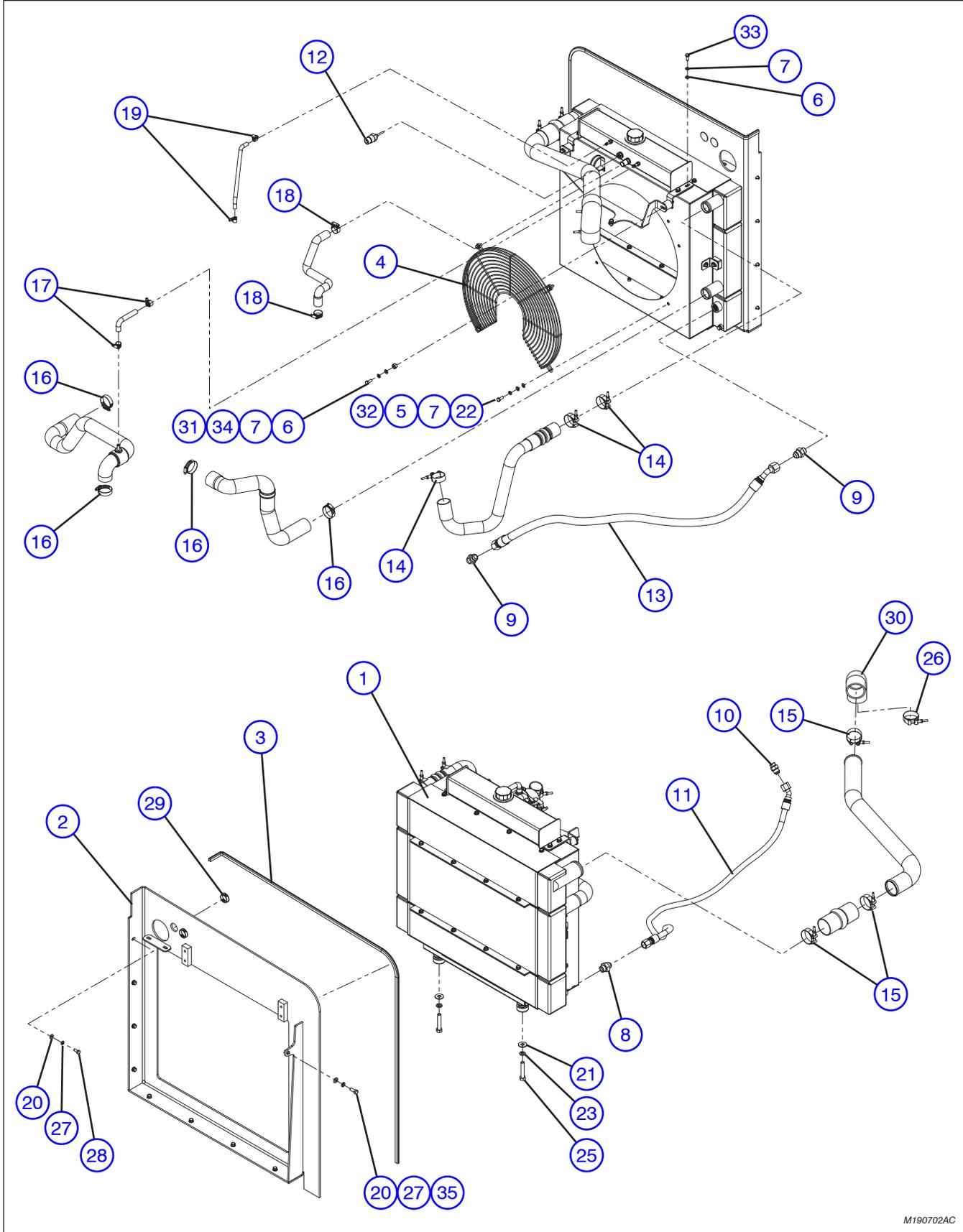


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### 3.13 Exhaust Installation

Index No.	Skyjack Part No.	Qty.	Description
-	9-190676	1	ASSEMBLY, Exhaust
1	9-191995	1	• TUBE, Exhaust tail 2.9L
2	9-190772	1	• WELDMENT, DOC bracket, 2.9 liters engine
3	9-103887	4	• BOLT, Hex head 5/16"-18 X 3/4" grade 5
4	9-103864	2	• BOLT, Hex head 5/16"-18 X 1" grade 5
5	9-103404	6	• WASHER, Lock 5/16"
6	9-933817	4	• WASHER, Flat M12 CL 200 Y
7	9-116995	6	• WASHER, Lock M12 plated DIN 127B
8	9-149419	6	• BOLT, Hex head M12 X 1-3/4" X 35mm grade 8.8 ZP
9	9-103996	6	• WASHER, Flat 5/16"
10	9-191996	1	• BRACKET, Tail pipe support
11	9-928271	1	• CLAMP, Exhaust 3.00
12	9-171177	2	• CLAMP, Loop vinyl coated 2"
13	9-197093	1	CATALYTIC CONVERTER
14	9-197133	1	BRACKET
15	9-190481	2	CLAMP, V-band 3"
16	9-190518	1	CLAMP, Turbo, Deutz
17	9-170956	1	COMPENSATOR

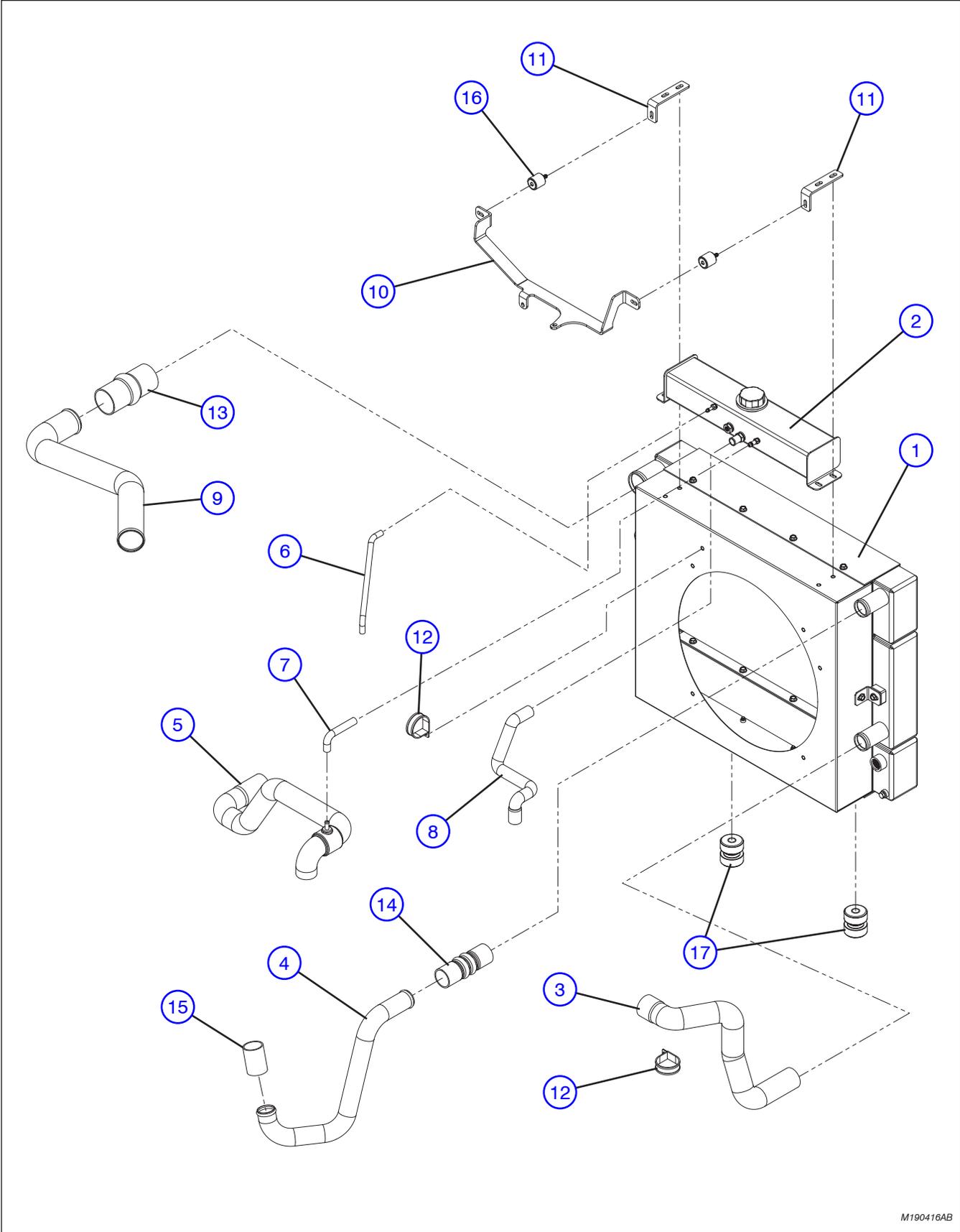
3.14 Cooling Package Assembly



M190702AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-190702	1	ASSEMBLY, COOLER DEUTZ 2.9L
1	(Ref.)	1	• COOLER, (TOC-RAD-CAC) DEUTZ TCD2.9 (For components, refer to Section 3.15)
2	9-190776	1	• BAFFLE, 2.9L DEUTZ T4F
3	9-119922	77"	• TRIM, Protective 1/4-1/2"
4	9-191285	1	• GUARD, Fan 18"
5	9-933655	4	• BOLT, Hex head M8 - 1-1/4" X 25 CL 8.8 YE
6	9-933832	10	• WASHER, Flat M8 -16.0
7	9-116218	12	• WASHER, Lock M8 plated DIN 127B
8	9-137490	1	• FITTING, (12 ORBM - 10 JICM)
9	9-702118	2	• FITTING, (12 ORBM - 12 JICM)
10	9-137630	1	• FITTING, (10 ORBM - 10 JICM)
11	H321000500	1	• HOSE, Transmission to oil cooler
12	9-165058	1	• SENSOR, Coolant level
13	H311200600	1	• HOSE, Oil cooler to transmission
14	9-190696	3	• CLAMP, T-Bolt 1.870 DIA - 2.120 DIA
15	9-164171	2	• CLAMP, T-Bolt 2.50-2.78
16	9-133222	4	• CLAMP, Gear # 32
17	9-116342	2	• CLAMP, Gear #8
18	9-102854	2	• CLAMP, Gear #12
19	9-103321	2	• CLAMP, Gear (SAE #4 - 1/4"-13/16")
20	9-103472	9	• Washer, Flat 3/8"
21	9-103468	2	• WASHER, Flat 1/2" USS
22	9-166164	4	• WASHER, Flat 5/16" USS
23	9-103470	2	• WASHER, Lock 1/2" grade 5
24	9-101297	5	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 5
25	9-103469	2	• BOLT, Hex head 1/2"-13 X 3-2/4" grade 5
26	9-149493	2	• CLAMP, T-bolt (2.81 - 3.09)
27	9-103999	9	• WASHER, Lock 3/8"
28	9-103473	4	• BOLT, Hex head 3/8"-16 X 1" grade 5
29	9-197539	2	• PLUG, Snap-in for 1-3/8" hole
30	9-191337	1	• ELBOW, 90° Air intake DEUTZ 2.9L T4F
31	9-933696	2	• NUT, Nut hex nylon lock M8-1.25
32	9-933735	8	• WASHER, M10
33	9-133174	6	• BOLT, Hex head M8-1-1/4" x 20 grade 8.8 ZP
34	9-933660	2	• BOLT, Hex head M8 X 1-1/4" X 16mm grade 8.8
35	9-122257	1	• BOLT, Button head 3/8"-16 x 1-1/4"

3.15 Cooler - Internal Breakdown

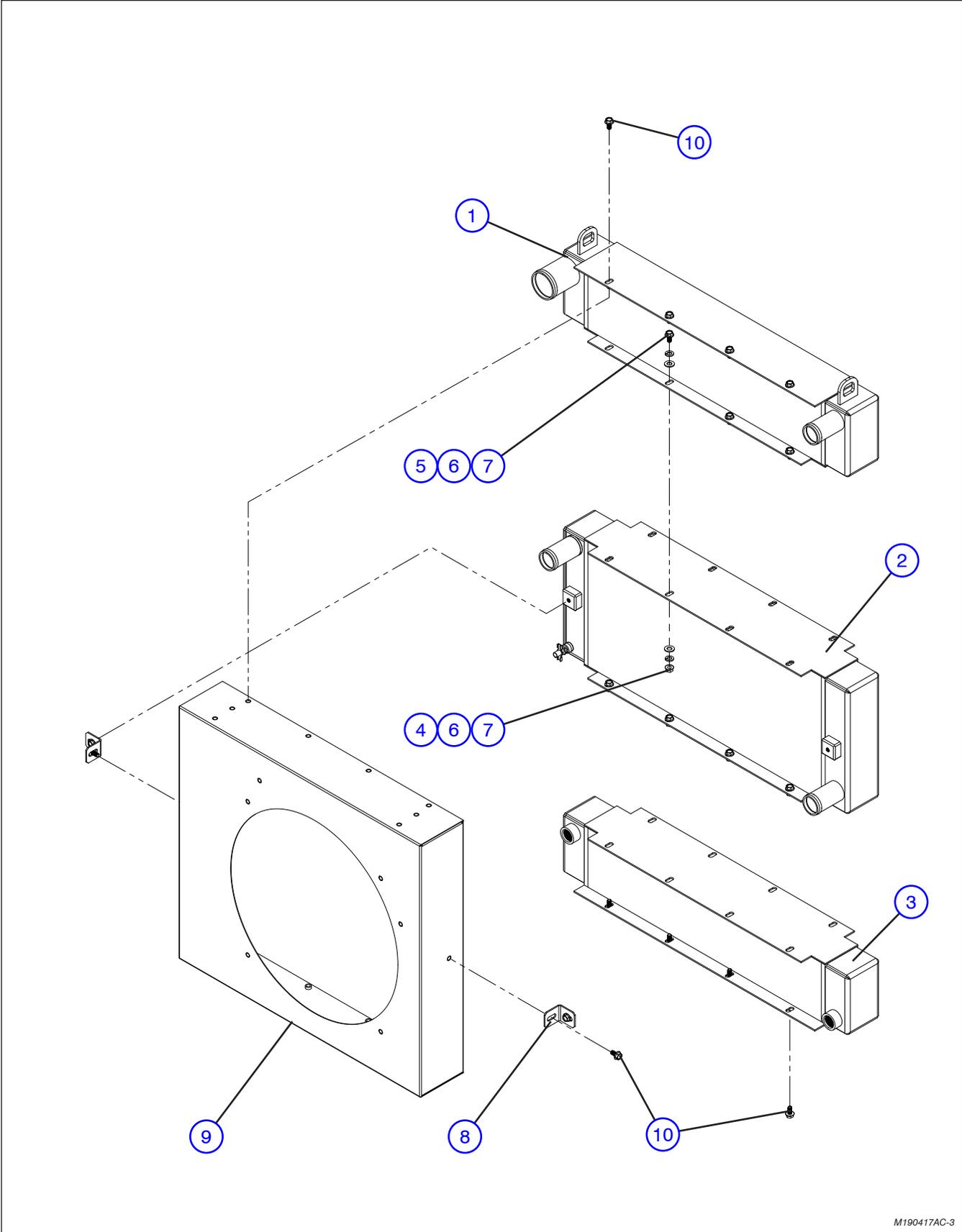


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### 3.15 Cooler - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
-	9-190416	1	COOLER (TOC - RAD - CAC) DEUTZ TCD 2.9
1	(Ref).	1	<ul style="list-style-type: none"> <li>ASSEMBLY, Radiator DEUTZ TCD2.9 (For components, refer to Section 3.16)</li> </ul>
2	9-190418	1	<ul style="list-style-type: none"> <li>TANK, De-gas DEUTZ TCD2.9</li> </ul>
3	9-190434	1	<ul style="list-style-type: none"> <li>HOSE, Lower 20R4, 42 mm X 48 mm RCP-14-055</li> </ul>
4	9-191245	1	<ul style="list-style-type: none"> <li>PIPING, CAC 44.5 mm OD RCP-14-055</li> </ul>
5	9-190433	1	<ul style="list-style-type: none"> <li>HOSE, Upper 20R4 42 mm X 44.5 mm RCP-14-055</li> </ul>
6	9-190436	1	<ul style="list-style-type: none"> <li>HOSE, Vent 280 mm</li> </ul>
7	9-190435	1	<ul style="list-style-type: none"> <li>HOSE, Vent 129 mm</li> </ul>
8	9-190437	1	<ul style="list-style-type: none"> <li>HOSE, De-gas return 20R4 22 mm X 19 mm</li> </ul>
9	9-191244	1	<ul style="list-style-type: none"> <li>PIPING, CAC 63.5 mm OD RCP-14-055</li> </ul>
10	9-191755	1	<ul style="list-style-type: none"> <li>BRACKET, Upper rad support</li> </ul>
11	9-190422	2	<ul style="list-style-type: none"> <li>MOUNT, Upper</li> </ul>
12	9-190427	2	<ul style="list-style-type: none"> <li>CLAMP, Tube/hose, loop/offset 55 mm OD</li> </ul>
13	9-190429	1	<ul style="list-style-type: none"> <li>COUPLING, CAC Bump 63.5 mm ID</li> </ul>
14	9-190424	1	<ul style="list-style-type: none"> <li>COUPLING, CAC 45 mm ID X 152.40 mm</li> </ul>
15	9-190426	1	<ul style="list-style-type: none"> <li>COUPLING, CAC 44.45 mm ID X 70 mm</li> </ul>
16	9-190430	2	<ul style="list-style-type: none"> <li>ISOLATOR, 32 mm X 32 mm, M8-1-1/2"</li> </ul>
17	9-190428	2	<ul style="list-style-type: none"> <li>ISOLATOR, 46.4 mm 51.21 mm 1/2"-13</li> </ul>

3.16 Radiator - Internal Breakdown



M190417AC-3

### 3.16 Radiator - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
-	9-190417	1	ASSEMBLY, RADIATOR 2.9L DEUTZ 74 HP
-	9-197163	1	• ASSEMBLY, COOLING PACKAGE
1	9-197160	1	• • CHARGE-AIR COOLER
2	9-197161	1	• • RADIATOR
3	9-197162	1	• • OIL COOLER
4	9-933625	16	• • NUT, Hex M8-1-1/4"
5	9-136667	16	• • BOLT HEX-HEAD M8 x 1-1/4" x 30 mm grade 8.8 zinc
6	9-933831	16	• • WASHER, Flat M8 OD 16
7	9-116218	16	• • WASHER, Lock M8
8	9-197165	2	• BRACKET
9	9-197164	1	• ASSEMBLY, Fan shroud
10	9-197176	12	• SCREW, Flange 1-1/4" - 16



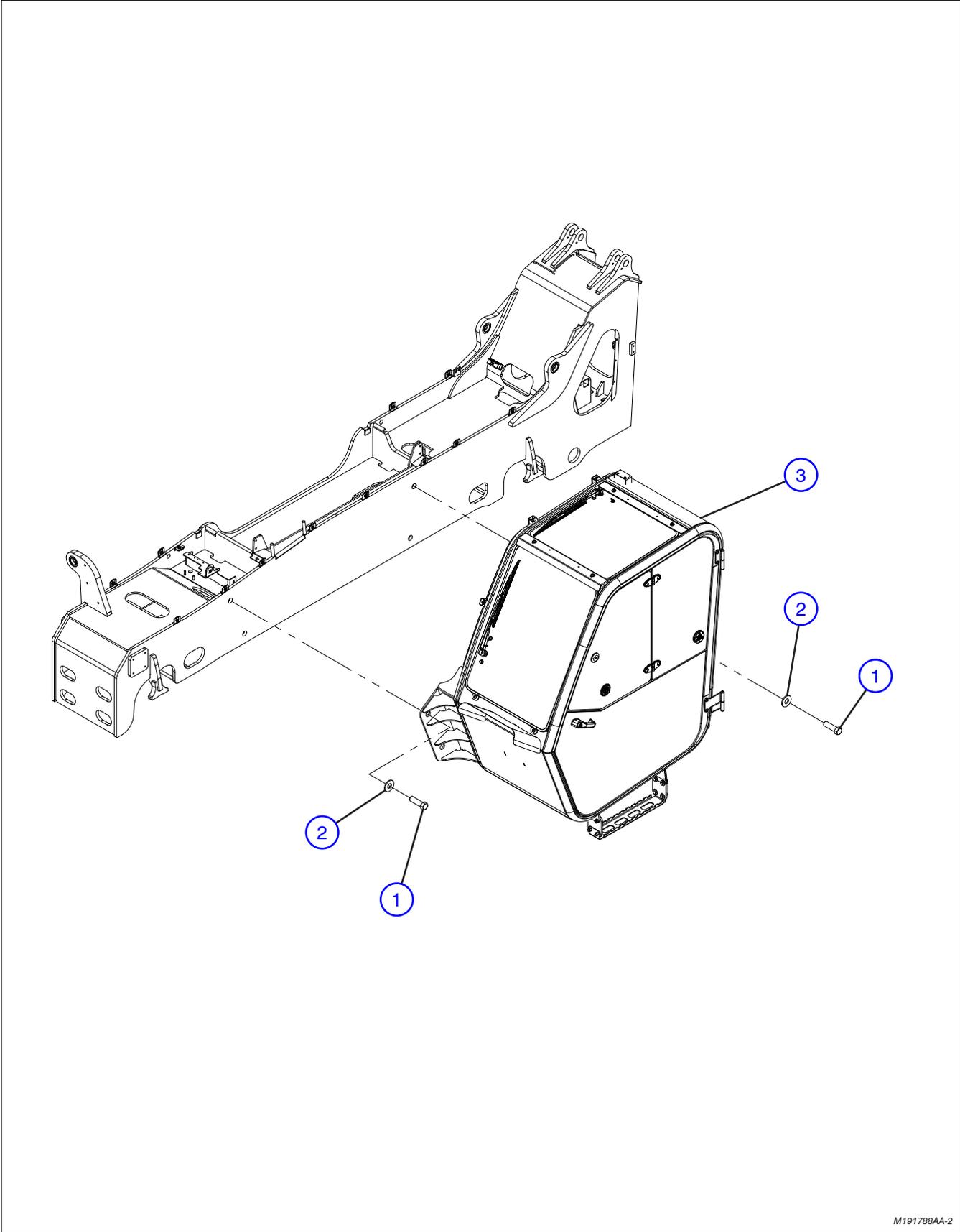
### 3.17 Hydraulic Pump Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-190807	1	ASSEMBLY, HYDRAULIC PUMP
1	9-190264	1	• PUMP
2	9-131707	1	• FITTING, 45° (12 JICM - 12 ORBM)
3	9-131716	1	• FITTING, 45° (04 JICM - 04 ORBM)
4	9-932906	1	• ADAPTER
5	9-930923	1	• FLANGE, Split
6	9-104379	2	• WASHER, Flat 1/2" hard
7	9-103907	2	• BOLT, Hex head 1/2"-13 X 1-1/2" grade 5
8	9-103470	2	• WASHER, Lock 1/2" grade 5
9	9-159878	1	• O-RING, 2-045
10	9-190888	1	• TUBE, Suction #32
11	9-191846	1	• CLAMP, Hose Mikalor 59-63
12	9-196903	1	O-ring (End Pilot Cover)
13	9-196918	1	Compensator Kit
14	9-196919	2	• O-ring (Compensator/Housing)
15	9-196920	1	• O-ring (Secondary Compensator/Housing)
16	9-196921	4	• Screw, Cap (Compensator Mounting)
17	9-196933	1	• Cover, Tamper Proof (Compensator Adj. Screws)



<b>Cab Installation</b>	<b>4.1</b>	<b>4.11 Steering Console Assembly</b>
<b>Open Cab Assembly</b>	<b>4.2</b>	<b>4.12 Main Relay Assembly</b>
<b>Open Cab Side Window Assembly</b>	<b>4.3</b>	<b>4.13 Fuse and Power Assembly</b>
<b>Right Hand Console Assembly</b>	<b>4.4</b>	<b>4.14 Enclosed Cab Assembly</b>
<b>Joystick Control Assembly</b>	<b>4.5</b>	<b>4.15 Door Assembly</b>
<b>Joystick Control Internal Break Down</b>	<b>4.6</b>	<b>4.16 Cab with Heat Installation</b>
<b>Front Console Assembly</b>	<b>4.7</b>	<b>4.17 Air Conditioner</b>
<b>LH Dash Panel Assembly</b>	<b>4.8</b>	<b>4.18 A/C Compressor Installation</b>
<b>Flip Chart Assembly</b>	<b>4.9</b>	<b>4.19 A/C Condenser Installation</b>
<b>RH Dash Panel Assembly</b>	<b>4.10</b>	<b>4.20 A/C and Heater Harness</b>

4.1 Cab Installation

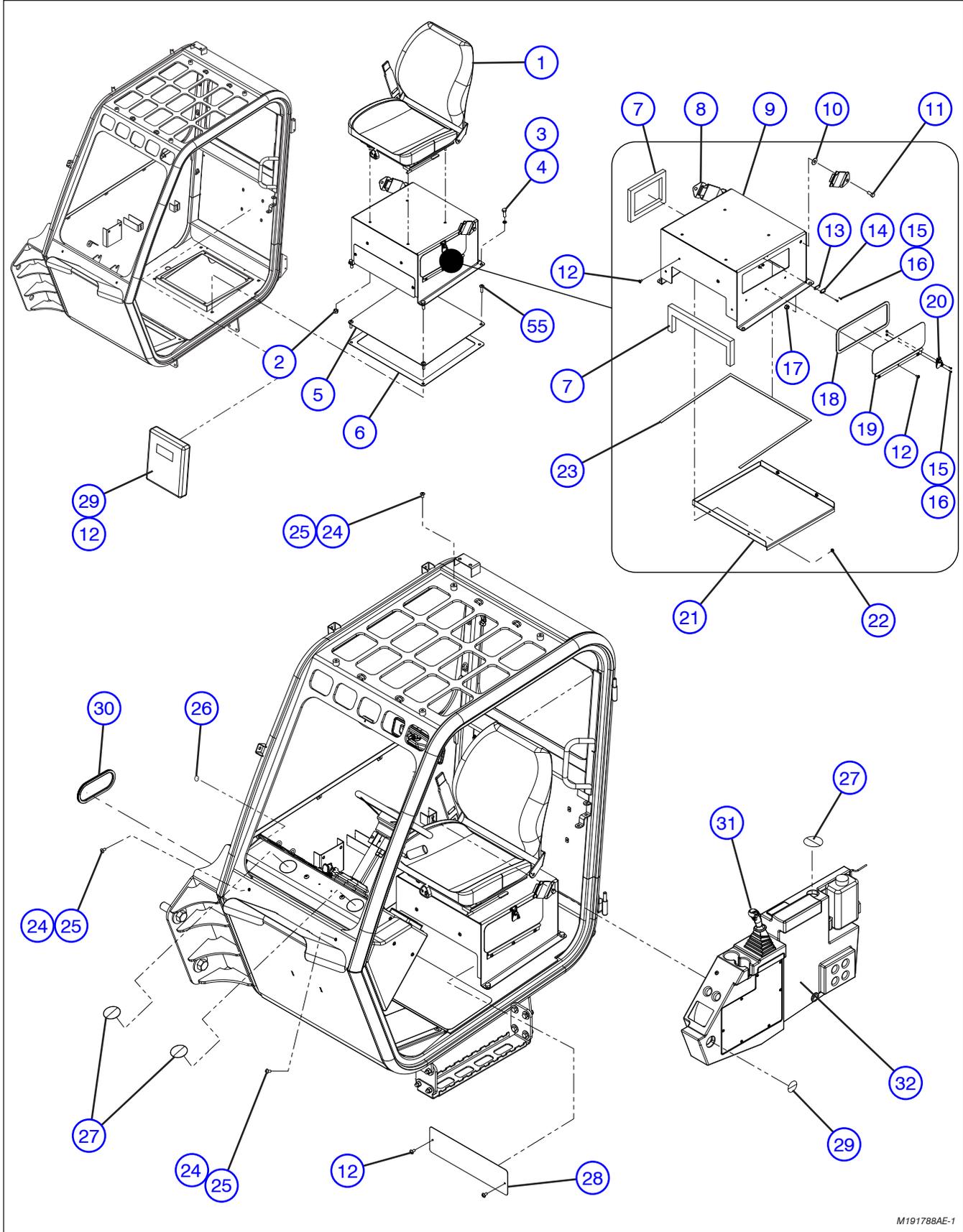


M191788AA-2

**4.1 Cab Installation**

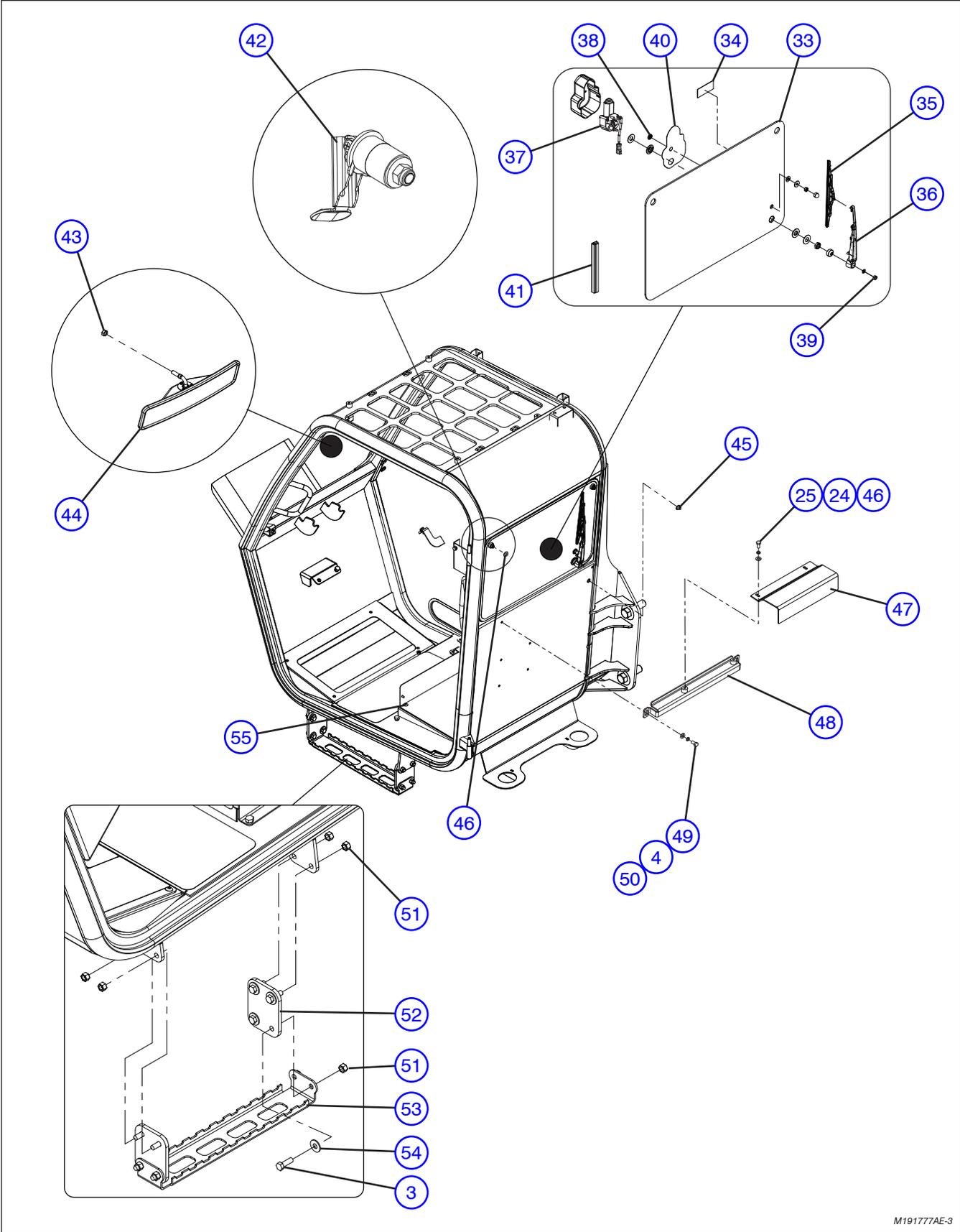
Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	9-191788	1	OPEN CAB SUBGROUP
<b>B</b>	9-191789	1	ENCLOSED CAB SUBGROUP
1	9-191783	4	<ul style="list-style-type: none"> <li>• BOLT, Hex head 1-1/4"-7 x 4" grade 8</li> </ul>
2	9-923687	4	<ul style="list-style-type: none"> <li>• WASHER, Flat - 1-5/16"ID x 3" OD x 1/4" Hard</li> </ul>
3	(Ref.)	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Open cab rops &amp; fops - <b>A</b> (For components, refer to Section 4.2)</li> </ul>
	(Ref.)	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Enclosed cab - <b>B</b> (For components, refer to Section 4.14)</li> </ul>

4.2 Open Cab Assembly



M191788AE-1

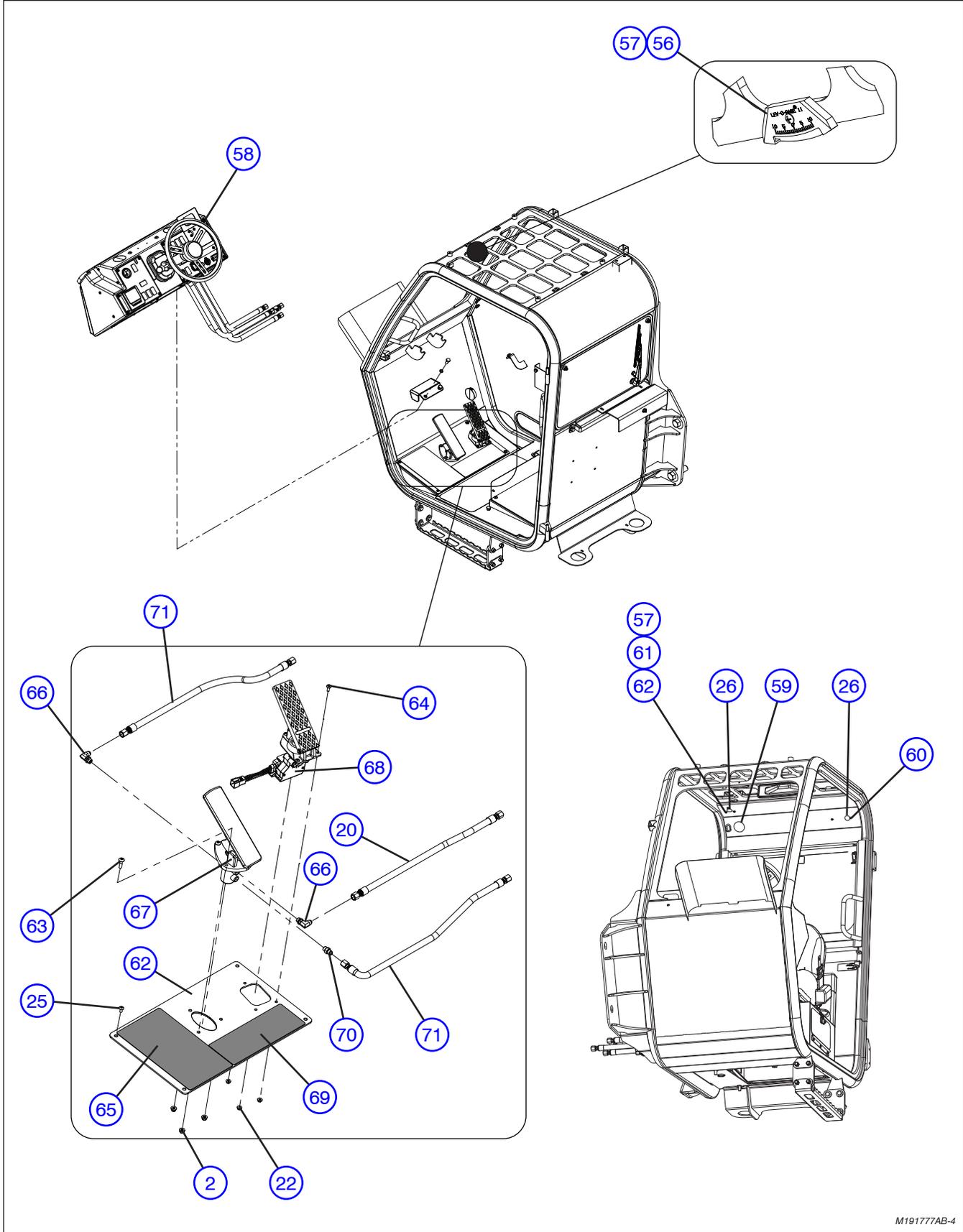
Index No.	Skyjack Part No.	Qty.	Description
-	9-191777	1	ASSEMBLY, OPEN CAB ROPS & FOPS
1	9-190534	1	• SEAT, Criod
-	9-207639	1	• • BELT, Seat
2	9-191574	7	• NUT, Hex 3/8"-16 NC SER flanged
3	9-103907	12	• SCREW, Hex head cap 1/2"-13 NC X 1-1/2" grade 5
4	9-103470	10	• WASHER, Lock, hel spring, 1/2"
5	9-191569	1	• COVER PANEL, NON-HVAC
6	9-191524	1	• GASKET, Foam seal
-	9-191580	1	• ASSEMBLY, SEAT RISER
7	9-191518	1	• • FOAM SEAL, Soft psa
8	9-191564	2	• • TETHER, Seat belt
9	9-191502	1	• • WELDMENT
10	9-191313	2	• • WASHER, Flat 7/16" type A
11	9-191531	2	• • SCREW, Hex head 7/16" - 14 NC X 1" grade 5
12	9-191548	13	• • SCREW, Machine 1/4"-20 NC X 1/2" torx
13	9-191563	1	• • LATCH, Padlockable
14	9-191747	1	• • SPACER, Catch latch
15	9-191753	4	• • SCREW, Phillips TMS 6-32 UNC X 1/2" SS
16	9-924972	4	• • NUT, Lock with nylon insert # 6
-	9-191587	1	• • ASSEMBLY, Tool door
17	9-191534	2	• • • NUT, Hex, Lock with nylon insert 7/16" - 14 NC
18	9-191518	1	• • • SEAL, Foam PSA
19	9-191506	1	• • • WELDMENT, Tool door
20	9-191562	1	• • • LATCH, Lockable
21	9-191539	1	• • PANEL, Tool shelf
22	9-168208	7	• • NUT, Hex 1/4" - 20 NC
23	9-191547	1	• • SEAL, Rubber 31 X 1/2"
24	9-103999	10	• WASHER, Lock, hel spring, 3/8"
25	9-191542	12	• SCREW, Machine 3/8"-16 NC x 3/4" BH Torx
26	9-191515	3	• PLUG, Hole 1"
27	9-191514	4	• PLUG, Hole 2-1/2"
28	9-191744	1	• PANEL, Seat Riser
29	9-117293	1	• MANUAL BOX
30	9-191511	1	• TRIM, Edge
31	(Ref.)	1	ASSEMBLY, Joystick (For components, refer to Section 4.5)
32	(Ref.)	1	ASSEMBLY, Right hand console (For components, refer to Section 4.4)
			Parts List continued in following page



M191777AE-3

Index No.	Skyjack Part No.	Qty.	Description
<a href="#">Part list continued from previous page</a>			
-	9-191590	1	• ASSEMBLY, REAR WINDOW WITH WIPER
33	9-191530	1	• • WINDOW, Rear
34	9-191553	1	• • DECAL, Emergency exit
35	9-191554	1	• • WIPER, Blade. 300 mm
36	9-191555	1	• • WIPER, Arm 260 mm
37	9-191556	1	• • WIPER, Motor LH park
38	9-191557	1	• • MOUNT, M8 hardware
39	9-191558	1	• • MOUNT, M16 hardware
40	9-191559	1	• • WIPER, Window sticker
41	9-191566	1	• • SEAL, Bubble 90° rear
42	9-191520	2	• • LATCH, Swell anchor
43	9-933625	1	• NUT, HEX, M8 X 1 .25, DIN 934
44	9-191521	1	• MIRROR HEAD, Stud mount
45	9-191525	1	• FITTING, Wiper hose
46	9-103472	6	• WASHER, Flat 3/8" Type A ,W SER
47	9-196167	1	• PANEL, Tank Cover
48	9-191932	1	• WELDMENT, Retainer, fuel tank
49	9-103911	2	• SCREW, Hex head cap 1/2"-13 NC X 1" grade 5
50	9-191536	2	• WASHER, Flat 1/2" type A,N SER
-	9-191581	1	• ASSEMBLY, STEP
51	9-702507	11	• • NUT, Lock hex 1/2"- 13 NC
52	9-191526	2	• • BELTING, Step bar
53	9-191745	1	• • PANEL, Step
54	9-137241	8	• • WASHER, Flat 1/2" type A,W SER
55	9-191677	4	• SCREW, Machine 5/16"-18 NC x 1/2" TH Torx
<a href="#">Part list continued in following page</a>			

4.2 Open Cab Assembly - Continued

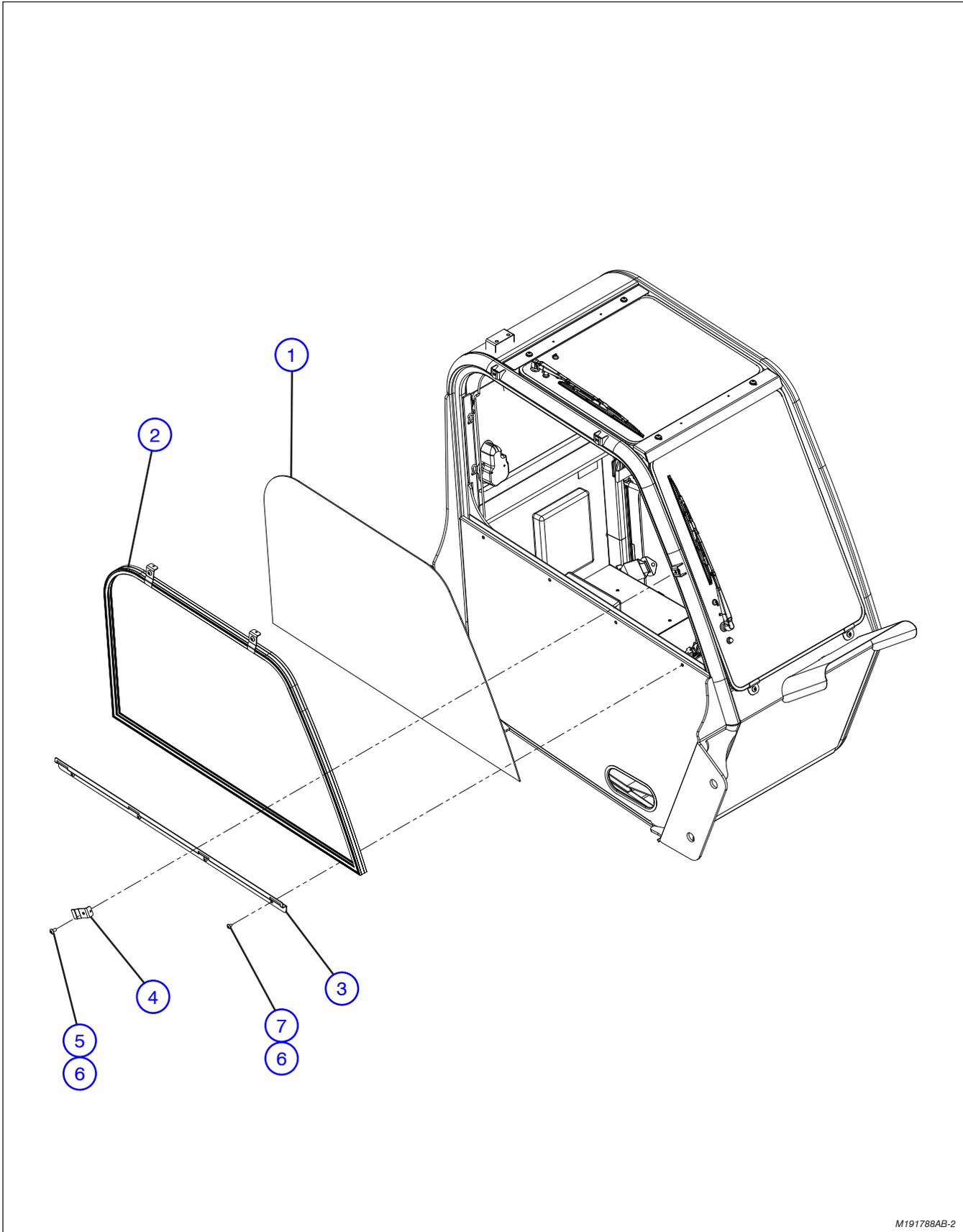


M191777AB-4

4.2 Open Cab Assembly - Continued

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page
56	9-928355	1	• LEVEL INDICATOR
57	9-138834	4	• SCREW, Machine #10-24 NC X 3/4" philips
58	(Ref.)	1	• ASSEMBLY, Dash front (For components, refer to Section 4.7)
59	9-191512	1	• HOLE PLUG, Plastic, 2.09" DIA
60	9-103957	2	• SCREW, Machine #8-32 NC x 1/2" philips
61	9-104185	3	• WASHER, Lock, hel spring, 3/16"
-	9-191582	1	• ASSEMBLY, FLOOR PEDALS
62	9-191746	1	• • PLATE, Pedal mounting
63	9-191543	3	• • SCREW, Machine, 5/16"-18 NC x 1.25 TH TRX
64	9-191550	3	• • SCREW, Machine, 1/4"-20 NC x 3/4" TH TORX
65	9-191529	1	• • TAPE, Anti-skid PSA
66	9-114578	2	• • FITTING, 90° (06 JICM - 06 ORBM)
67	9-926370	1	• • BRAKE PEDAL, Hydraulic
68	9-152201	1	• • PEDAL, Throttle
69	9-191546	1	• • TAPE, Anti-ski d psa
70	9-103069	1	• • FITTING - Straight (06 JICM - 06 ORBM)
71	H310601260	3	• • HOSE, Brake line port T ( 3/8" / 100R17 x 126" long)

### 4.3 Open Cab Side Window Assembly

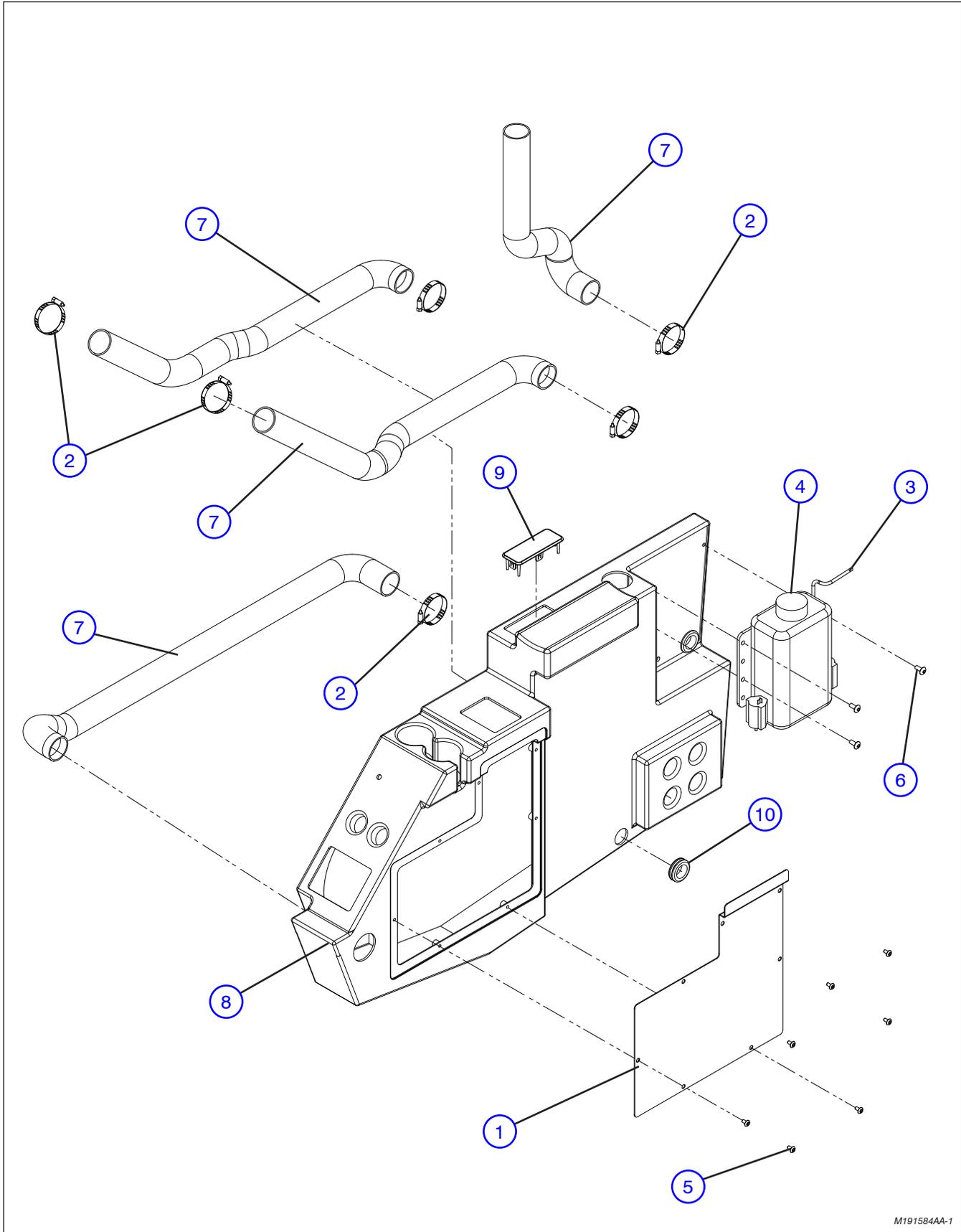


M191788AB-2

### 4.3 Open Cab Side Window Assembly

Index No.	Skyjack Part No.	Qty.	Description
1	9-191708	1	WINDOW, RH
2	9-191709	1	SEAL, Bubble (loop side)
3	9-191711	1	RETAINER , Window side
4	9-191710	3	CLIP, Window
5	9-159294	3	NUT, U-clip, 3/8"-16 UNC
6	9-191542	7	SCREW, Machine 3/8" - 16 NC X 3/4" Torx
7	9-103999	4	WASHER, Lock 3/8"
	(Ref).		Enclosed Cab (For components, refer to Section 4.14)

4.4 Right Hand Console Assembly

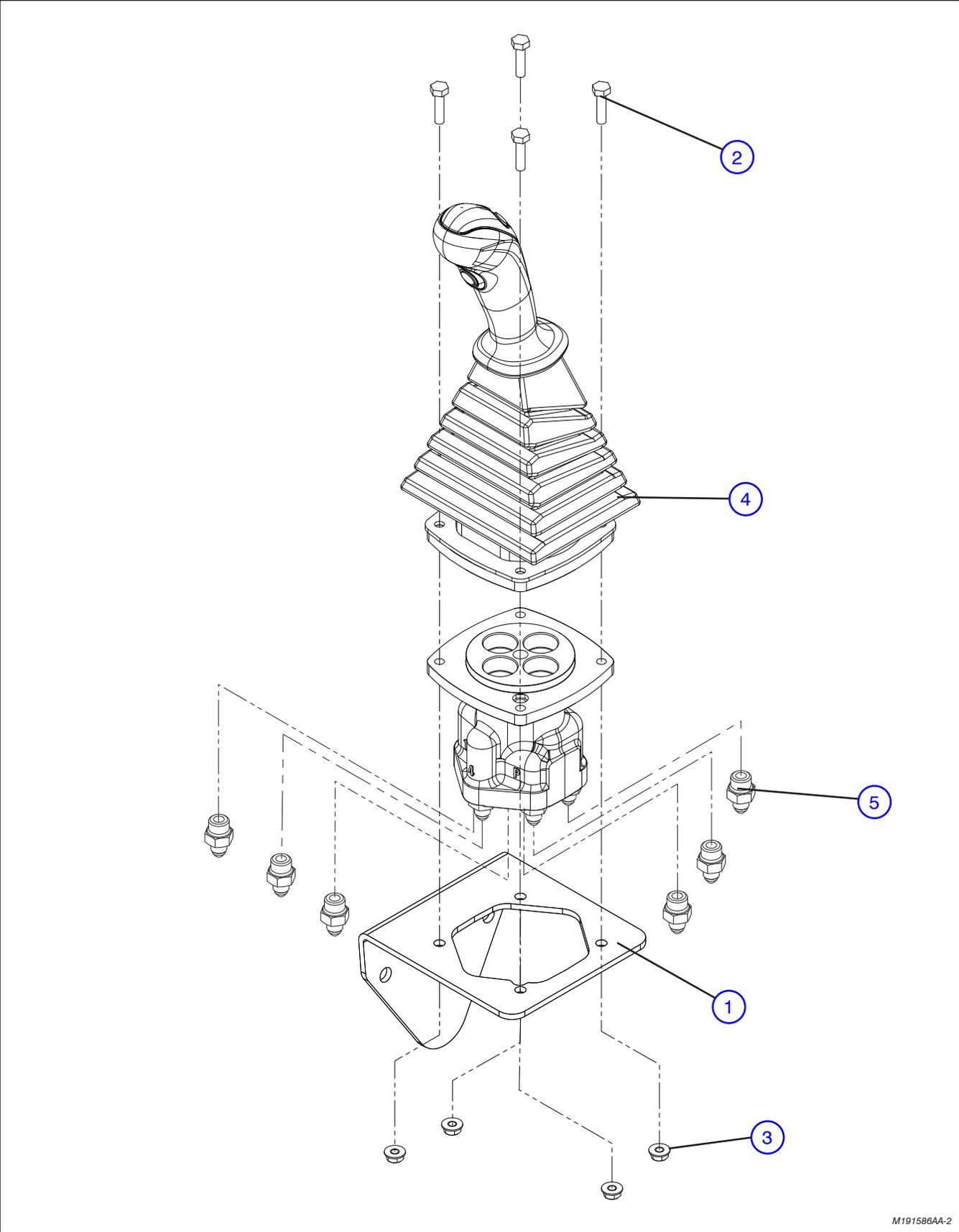


M191584AA-1

#### 4.4 Right Hand Console Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191584	1	ASSEMBLY, CONSOLE RH
1	9-191578	1	<ul style="list-style-type: none"> <li>• PANEL, Cover</li> </ul>
2	9-191532	6	<ul style="list-style-type: none"> <li>• CLAMP, Hose, #40 2-1/16" - 3"</li> </ul>
3	9-191510	1	<ul style="list-style-type: none"> <li>• WASHER, Hose</li> </ul>
4	9-191513	1	<ul style="list-style-type: none"> <li>• KIT, Windshield washer, 12V 4QT</li> </ul>
5	9-191548	7	<ul style="list-style-type: none"> <li>• MSCR, 1/4"-20 NC x 1/2" TH TORX</li> </ul>
6	9-191573	3	<ul style="list-style-type: none"> <li>• MSCR, 5/16"-18 NC x 3/4" TH TRX</li> </ul>
7	9-191523	4	<ul style="list-style-type: none"> <li>• HOSE, Air duct, 2" ID</li> </ul>
8	9-191527	1	<ul style="list-style-type: none"> <li>• PLASTIC, Molded RH console</li> </ul>
9	9-191492	1	<ul style="list-style-type: none"> <li>• HOLE PLUG, HVAC Controller</li> </ul>
10	9-191748	2	<ul style="list-style-type: none"> <li>• GROMMET, 125 ID X 1-1/2" hole</li> </ul>

4.5 Joystick Control Assembly

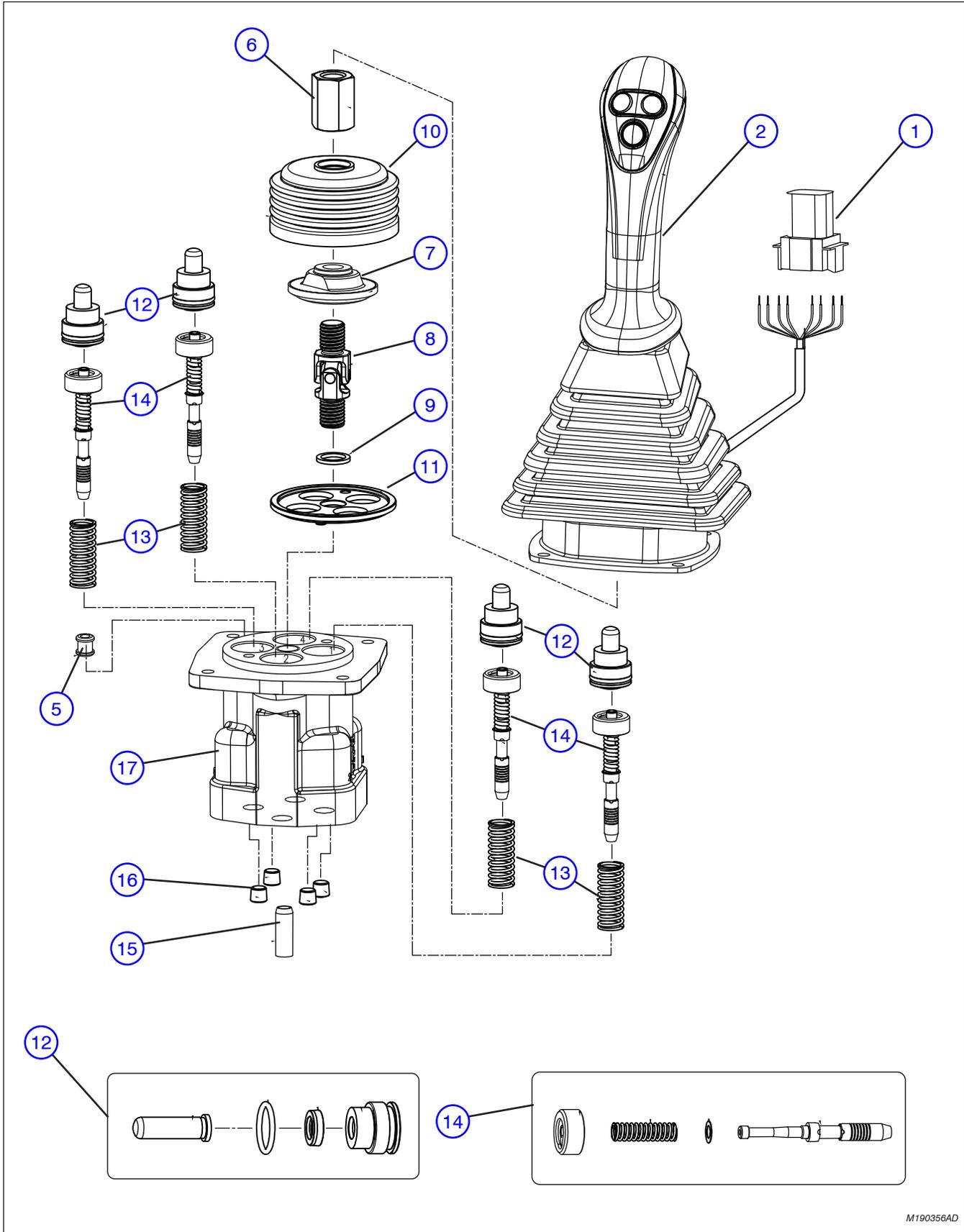


M191586AA-2

**4.5 Joystick Control Assembly**

Index No.	Skyjack Part No.	Qty.	Description
-	9-191586	1	ASSEMBLY, JOYSTICK
1	9-191743	1	<ul style="list-style-type: none"> <li>• PANEL, Inner joystick</li> </ul>
2	9-103857	4	<ul style="list-style-type: none"> <li>• SCREW, Hex head 1/4"-20 NC x 1" grade 5</li> </ul>
3	9-168208	4	<ul style="list-style-type: none"> <li>• NUT, Hex 1/4"-20 NC serrated flange</li> </ul>
4	(Ref)	1	<ul style="list-style-type: none"> <li>• JOYSTICK, Hydraulic (For components, refer to Section 4.6)</li> </ul>
-	(Ref.)	-	Joystick Hoses (For components, refer to Section 7.10)
5	9-701956	6	FITTING, (06 ORBM x 04 JICM)

### 4.6 Joystick Control - Internal Break Down

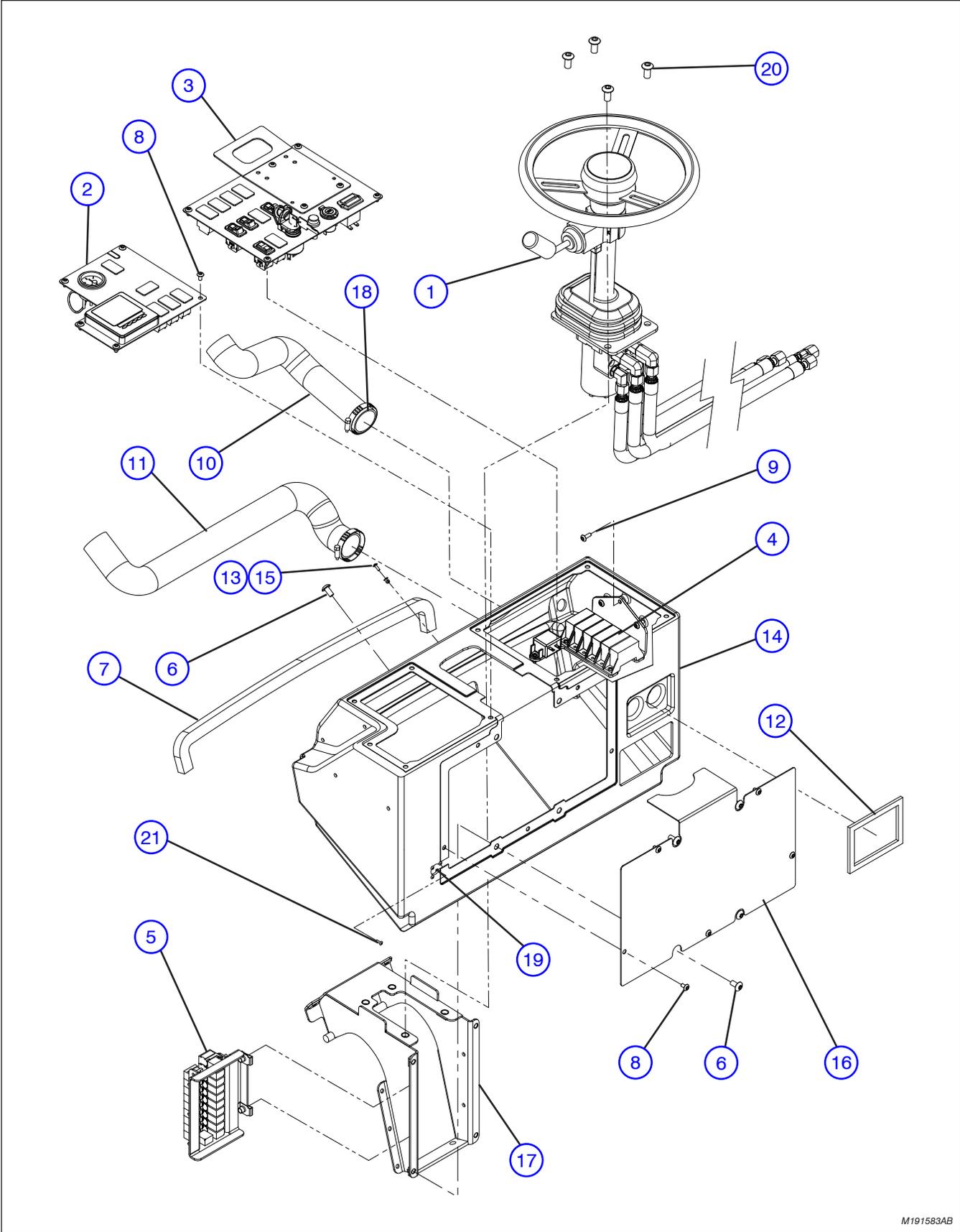


M190356AD

#### 4.6 Joystick Control - Internal Break Down

Index No.	Skyjack Part No.	Qty.	Description
-	9-190356	1	ASSEMBLY, JOYSTICK
1	9-196994	1	• ASSEMBLY, Connector
2	9-196995	1	• ASSEMBLY, Handle
3	9-196996	1	• NUT (Not shown)
4	9-196997	6	• CAP (Not shown)
5	9-196998	1	• BUSHING
6	9-196999	1	• HEX NUT
7	9-197000	1	• SWASH PLATE
8	9-197001	1	• ASSEMBLY, Joint
9	9-197002	1	• SPACER
10	9-197003	1	• INNER BOOTS
11	9-197004	1	• PLATE
12	9-197005	4	• PLUG KIT
13	9-197006	4	• SPRING
14	9-197007	4	• SPOOL KIT
15	9-197008	1	• BUSHING
16	9-197009	4	• PLUG
17	9-197010	1	• CASE

4.7 Front Console Assembly

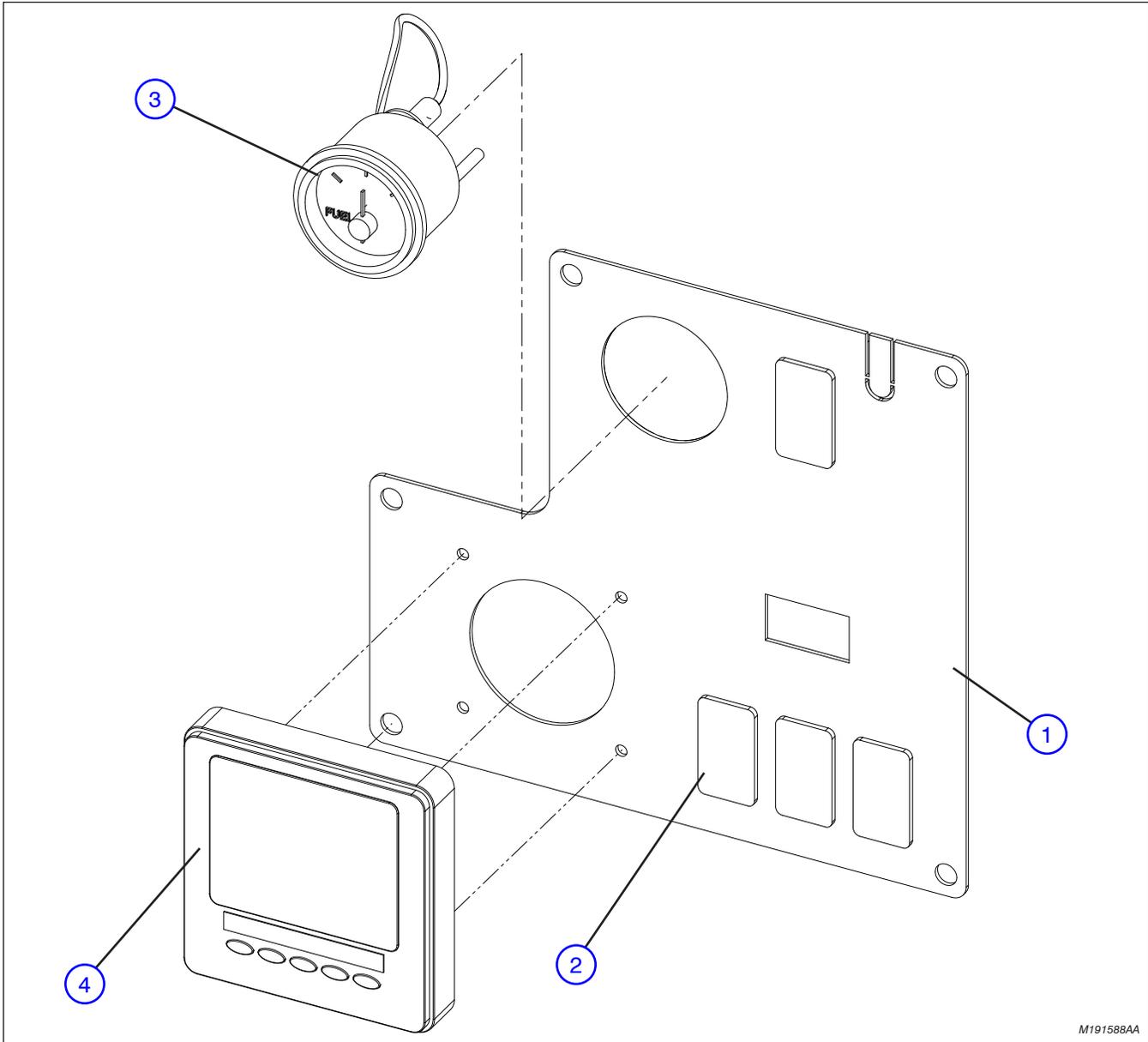


M191583AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-191583	1	ASSEMBLY, DASH FRONT
1	(Ref).	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Steering console (For components, refer to Section 4.11)</li> </ul>
2	(Ref).	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, LH dash panel (For components, refer to Section 4.8)</li> </ul>
3	(Ref).	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, RH dash panel (For components, refer to Section 4.10)</li> </ul>
4	(Ref).	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Fuse and power (For components, refer to Section 4.13)</li> </ul>
5	(Ref).	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, RELAY MAIN COMMON (For components, refer to Section 4.12)</li> </ul>
6	9-191542	6	<ul style="list-style-type: none"> <li>• SCREW, Machine 3/8" 16 nc x 3/4" bh tor x</li> </ul>
7	9-191518	1	<ul style="list-style-type: none"> <li>• FOAM SEAL</li> </ul>
8	9-191548	14	<ul style="list-style-type: none"> <li>• SCREW, Machine 1/4" 20 NC x 1/2" TH TOR X</li> </ul>
9	9-191550	7	<ul style="list-style-type: none"> <li>• SCREW, Machine 1/4" 20 NC x 3/4" TH TOR X</li> </ul>
10	9-191523	1	<ul style="list-style-type: none"> <li>• HOSE, Duct 2</li> </ul>
11	9-191523	1	<ul style="list-style-type: none"> <li>• HOSE, Duct 2</li> </ul>
12	9-191518	1	<ul style="list-style-type: none"> <li>• FOAM SEAL</li> </ul>
13	9-191575	2	<ul style="list-style-type: none"> <li>• SCREW, Phillips TMS, 8 32 UNC x 1/2" - 18 BS</li> </ul>
14	9-191560	1	<ul style="list-style-type: none"> <li>• DASH PANEL, Plastic</li> </ul>
15	9-191545	2	<ul style="list-style-type: none"> <li>• NUTSERT</li> </ul>
16	9-191570	1	<ul style="list-style-type: none"> <li>• PLATE, Dash cover</li> </ul>
17	9-191519	1	<ul style="list-style-type: none"> <li>• WELDMENT, Steering</li> </ul>
18	9-191532	2	<ul style="list-style-type: none"> <li>• CLAMP, HOSE, #40 2 - 1/16" - 3"</li> </ul>
19	9-168208	4	<ul style="list-style-type: none"> <li>• NUT, Hex 1/4" 20 NC ser flng</li> </ul>
20	9-191538	4	<ul style="list-style-type: none"> <li>• SCREW, Machine 1/2" 13 nc x 1" bh soc</li> </ul>
21	9-191753	4	<ul style="list-style-type: none"> <li>• SCREW, Phillips TMS 6-32 UNC X 1/2" SS</li> </ul>

4.8 LH Dash Panel Assembly

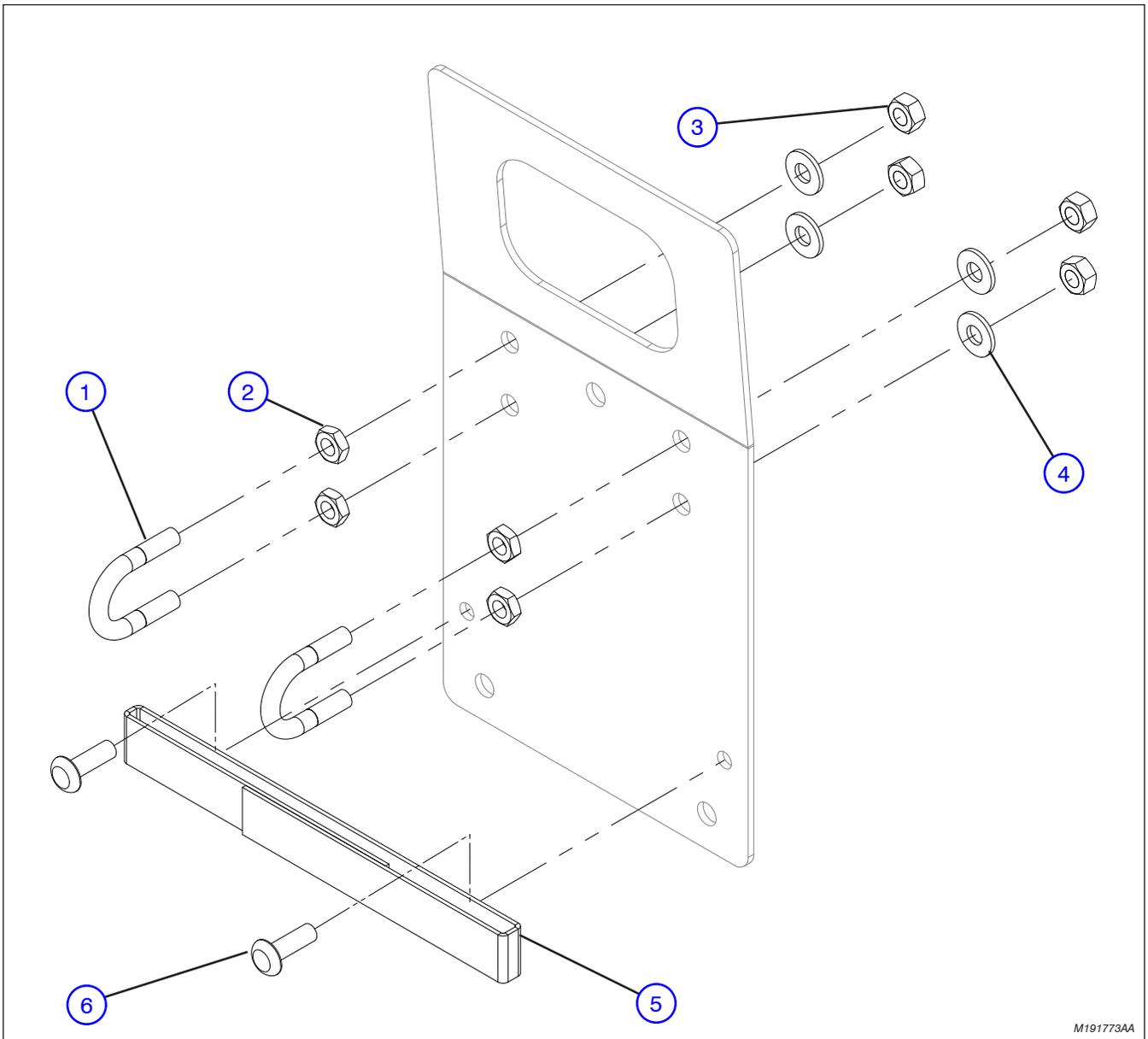
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M191588AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-191588	1	ASSEMBLY, LH DASH PANEL
1	9-191500	1	• PANEL, LH console
2	9-920689	5	• PLUG, Blank plug
3	9-407726	1	• GAUGE, Fuel
4	9-191471	1	• MODULE, Engine Data Display

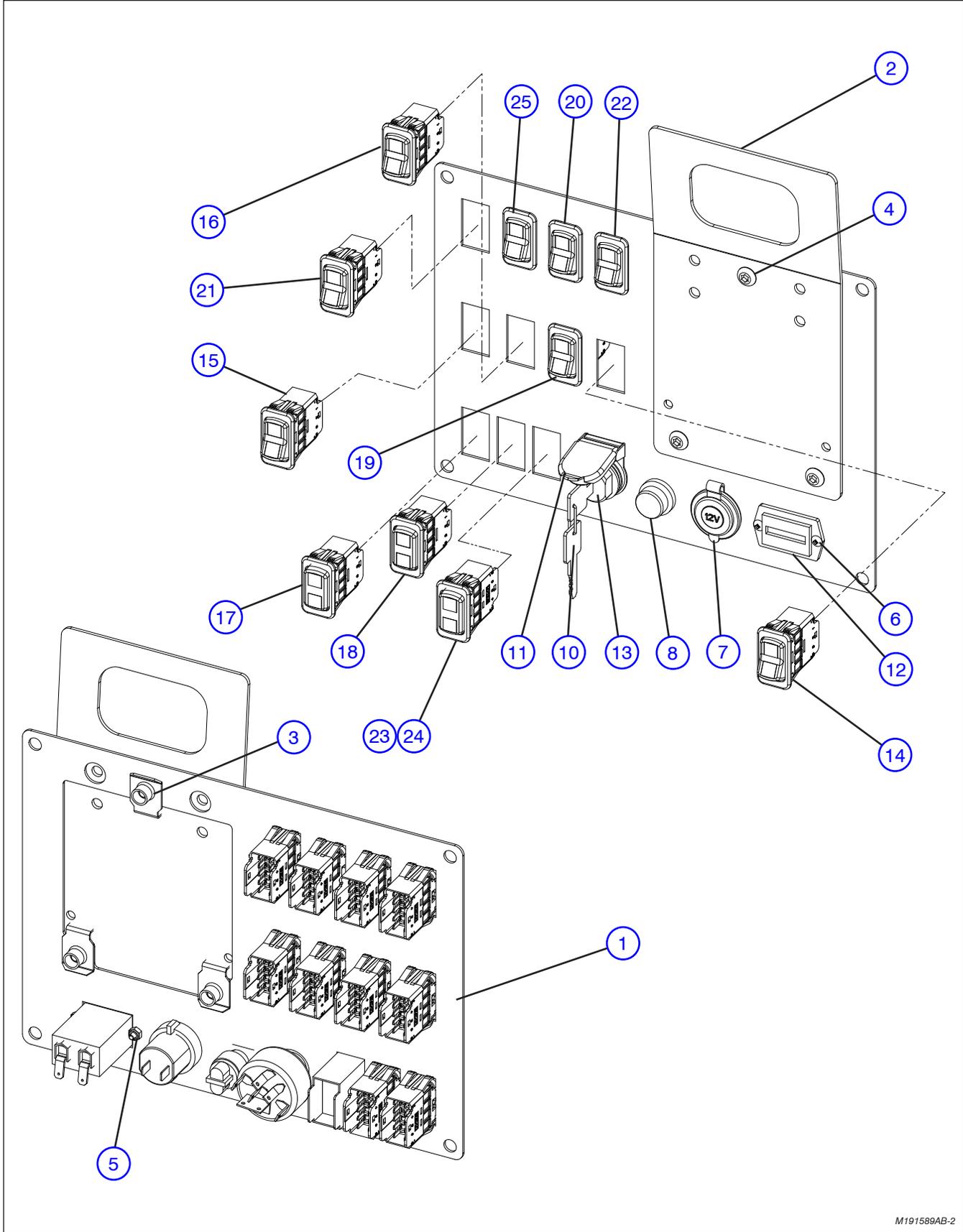
## 4.9 Flip Chart Assembly



M191773AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-191773	1	ASSEMBLY, FLIP CHART
1	9-191279	2	• BOLT, U (1/4"-20 X 3/8") pipe
2	9-103983	4	• NUT, Hex head jam 1/4"-20 grade 5
3	9-103980	4	• NUT, Hex head 1/4"-20 grade 8
4	9-103995	4	• WASHER, Flat 1/4" SAE
5	9-921485	1	• STRAP, Hook and loop
6	9-924935	2	• RIVET
-	(Ref.)	1	LOAD CHART BOOKLET (For components, refer to Section 10.2)

4.10 RH Dash Panel Assembly

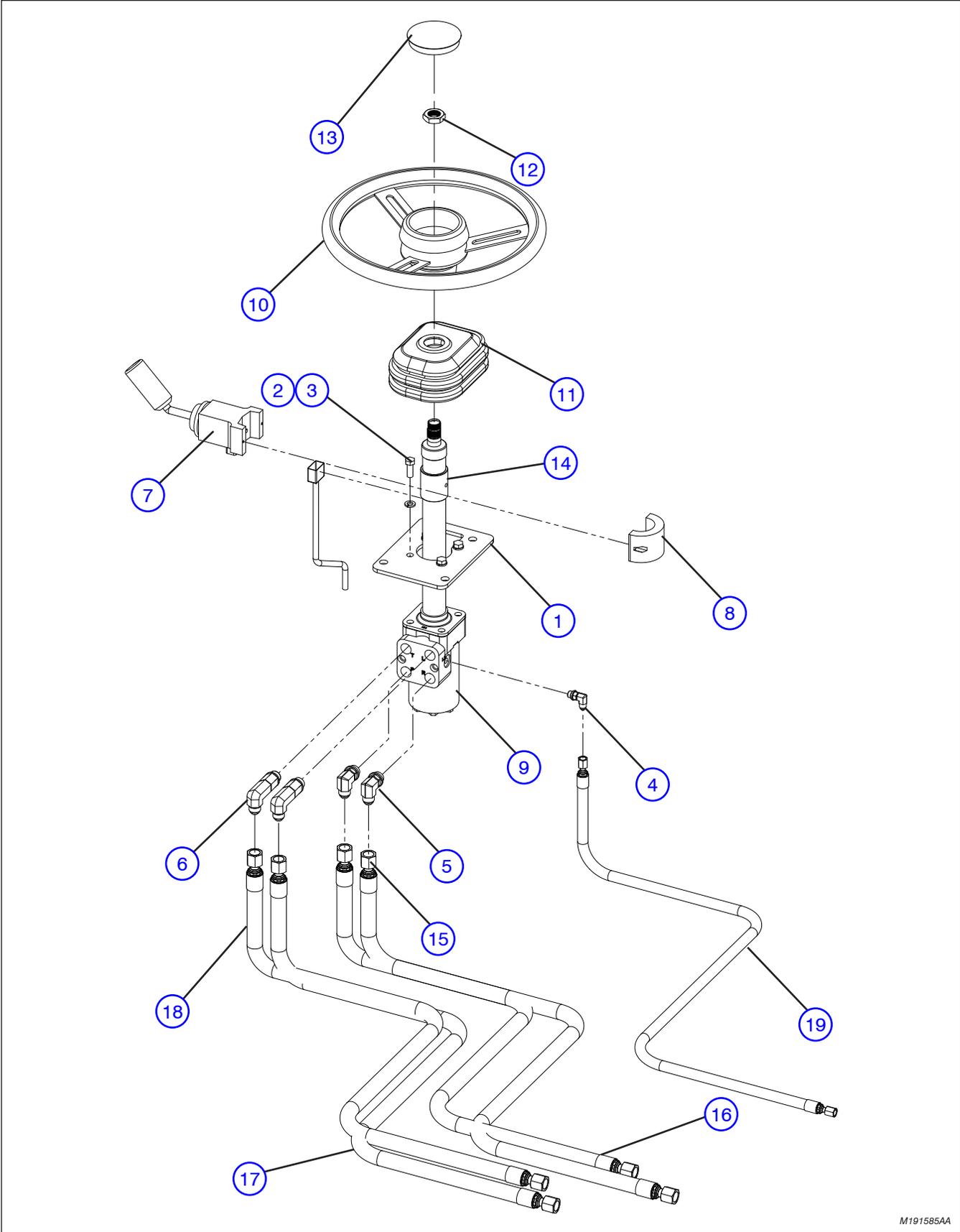


M191589AB-2

#### 4.10 RH Dash Panel Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191589	1	ASSEMBLY, RH DASH PANEL
1	9-191501	1	• PANEL, Console RH
2	9-191318	1	• PLATE, Flip-chart mount
3	9-149496	3	• NUT, U-clip, 1/4"-20 UNC
4	9-191548	3	• SCREW, Machine 1/4"-20 NC x 1/2" th torx
5	9-924972	2	• NUT, Hex lock with nylon insert, # 6
6	9-191753	2	• SCREW, Phillips TMS 6-32 UNC x 1/2" SS
7	9-922915	1	• POWER PORT, 12V
8	9-405339	1	• BUTTON, Horn
9	9-920689	6	• BLANK PLUG, Waytek 43242 (Not shown)
10	9-926721	1	• SWITCH, Ignition
11	9-925191	1	• COVER, Ignition
12	9-927910	1	• HOUR METER
13	9-926722	1	• NUT, Ignition
14	9-191454	1	• SWITCH, Park Brake
15	9-191457	1	• SWITCH, Steer Mode
16	9-191459	1	• SWITCH, Rear Wiper / washer
17	9-191462	1	• INDICATOR, Tansmission Oil Temp / R.A.S.
18	9-191830	1	• INDICATOR, Glow Plug / Frame Level and boom Interlock
19	(Ref.)	1	SWITCH, Front / Top Wiper/Washer (enclosed cab only)
20	(Ref.)	2	SWITCH, Road lights (For components, refer to Section 9.3)
21	(Ref.)	1	SWITCH, Boom Lights (For components, refer to Section 9.6)
22	(Ref.)	1	SWITCH, Positive Air shut off (For components, refer to Section 9.8)
23	(Ref.)	1	INDICATOR, Positive Air Shutoff (For components, refer to Section 9.8)
24	(Ref.)	1	INDICATOR, Reserve Brake (For components, refer to Section 9.11)
25	(Ref.)	1	SWITCH, Work lights (For components, refer to Section 9.1)

4.11 Steering Console Assembly

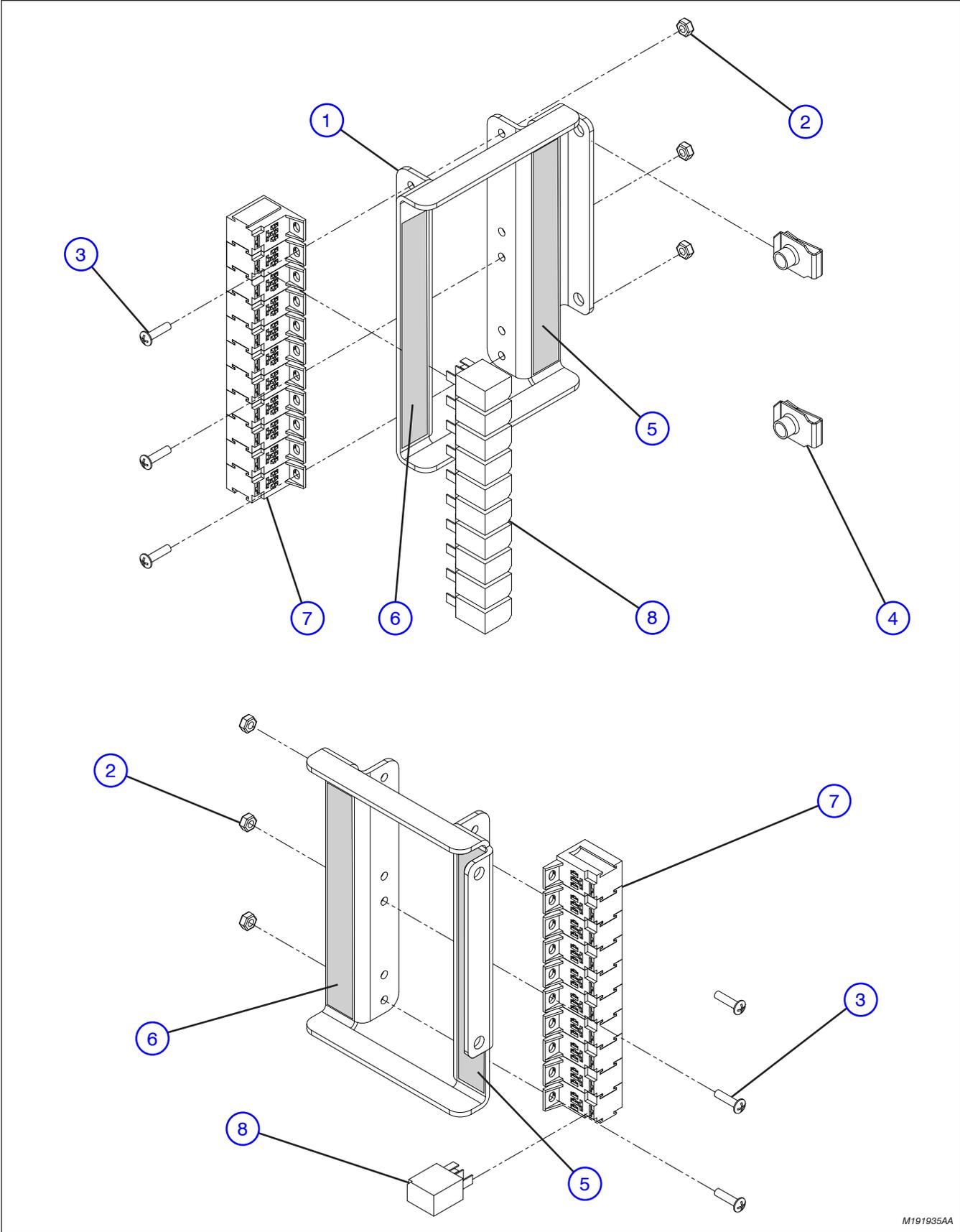


M191585AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-191585	1	ASSEMBLY, STEERING CONSOLE
1	9-191502	1	• PLATE, Steering mount
2	9-103999	4	• WASHER, Lock, hel spring 3/8"
3	9-103473	4	• SCREW, Hex head 3/8"-16 NC X 1" grade 5
4	9-125883	1	• FITTING, Hydraulic 90°
5	9-114583	2	• FITTING, 90°
6	9-702798	2	• FITTING, 90° Extra long
7	9-926377	1	• SHIFTER, Transmission
8	9-921721	1	• SHIFTER, Clamp
9	9-406450	1	• VALVE, Orbital Steering
-	9-209323	1	• • SEAL KIT, Orbital steering unit
10	9-404849	1	• STEERING WHEEL
11	9-191493	1	• BOOT, Column
12	9-405037	1	• NUT, Steering wheel
13	9-411375	1	• CAP, Steering wheel
14	9-191845	1	• COULMN SHAFT
15	H310801240	1	• STEERING LINE R
16	H310801460	1	• STEERING LINE p
17	H310801290	1	• STEERING LINE L
18	H310801380	1	• STEERING LINE T
19	H310401310	1	• STEERING LINE LS

4.12 Main Relay Assembly

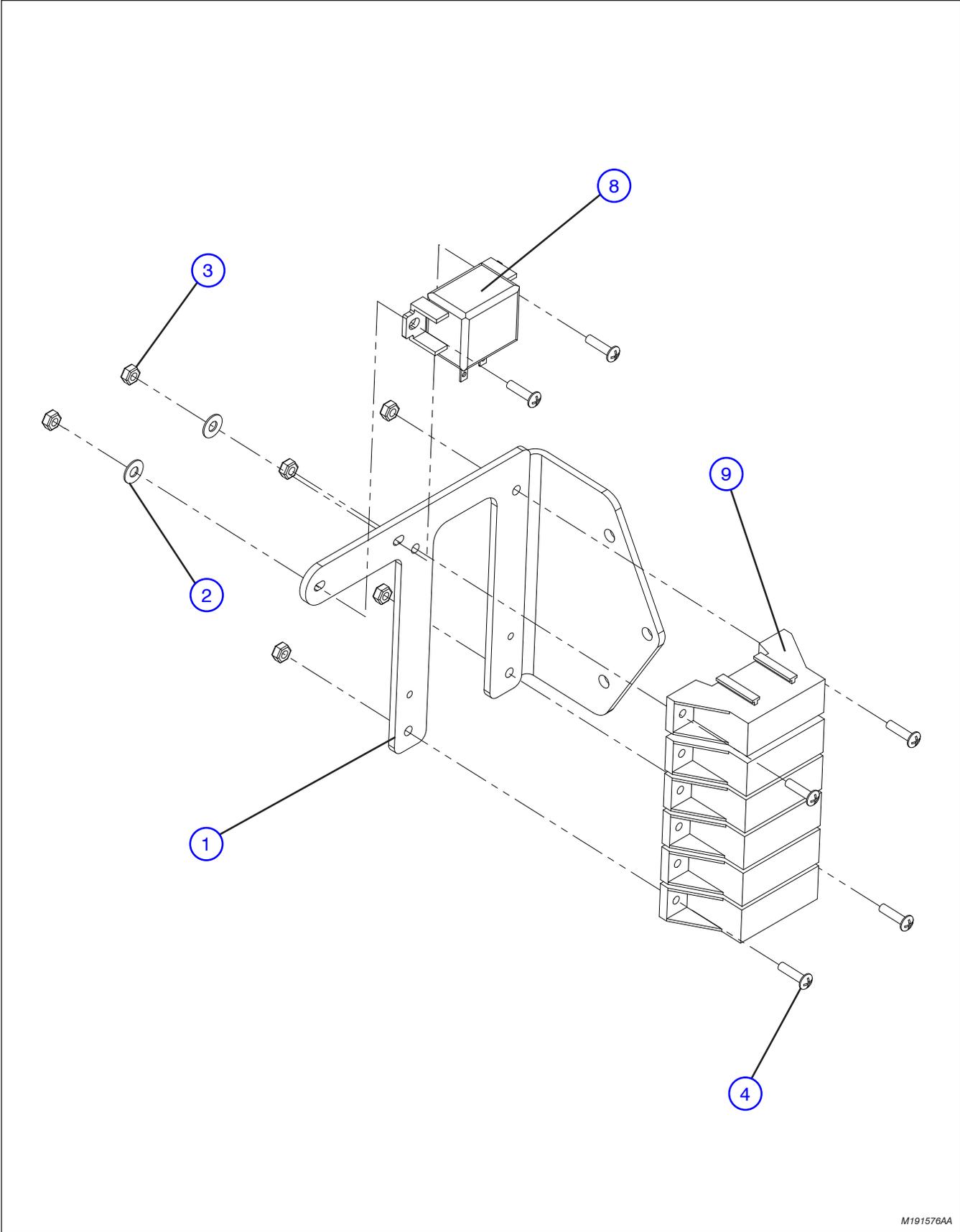
AB



M191935AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-191935	1	ASSEMBLY, RELAY MAIN COMMON
1	9-191912	1	• BRACKET, Relay mount bank
2	9-126642	6	• NUT, Hex Lock with nylon insert #10-24 NC
3	9-138834	6	• SCREW, Machine #10-24 NC x 3/4" PH Phillips
4	9-149496	2	• NUT, U-clip
5	9-196231	1	• DECAL, Relay ID RH
6	9-196232	1	• DECAL, Relay ID LH
7	9-156166	21	• MOUNT, Micro Relay
8	9-931298	11	• RELAY, Micro 20A

4.13 Fuse and Power Assembly

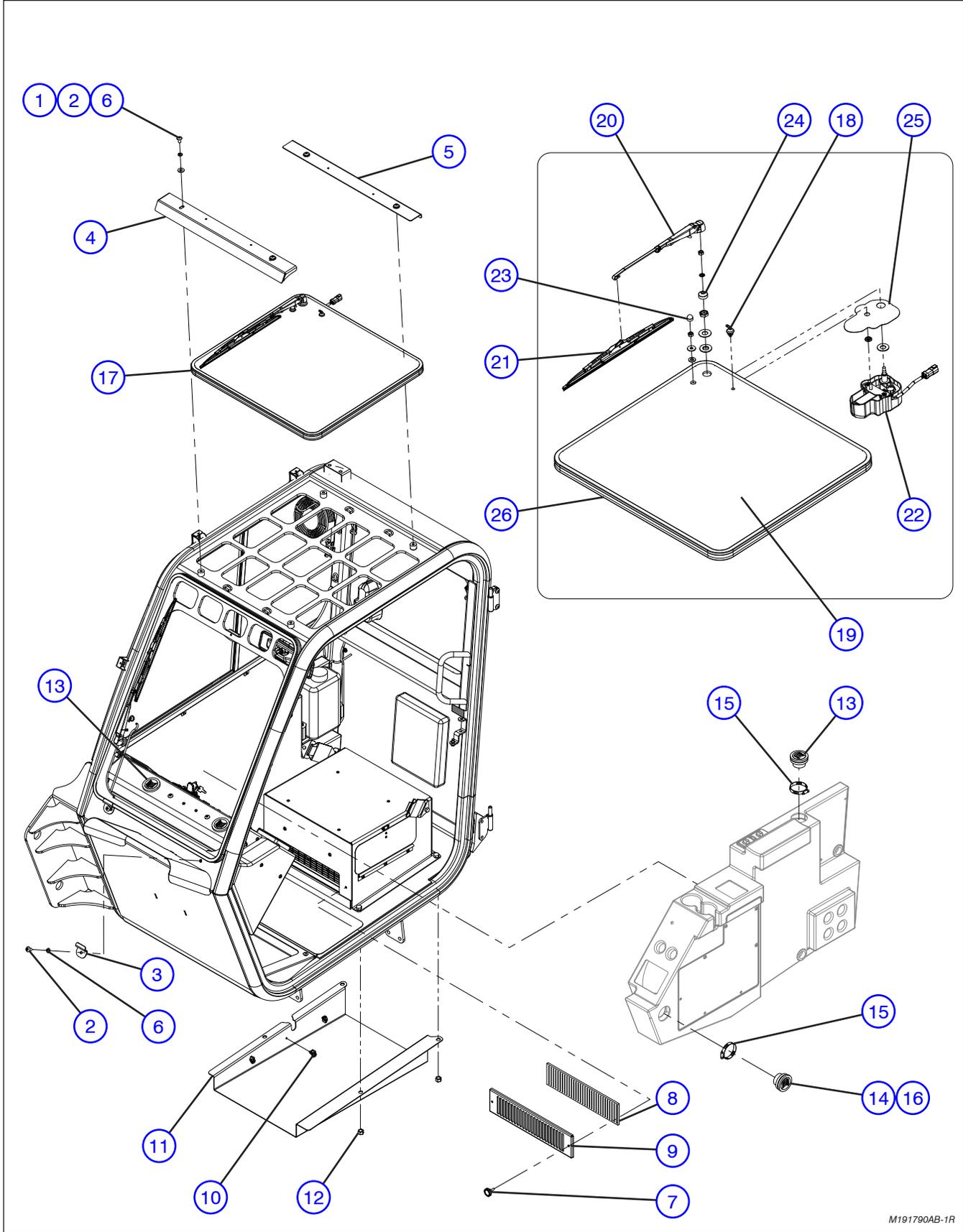


M191576AA

### 4.13 Fuse and Power Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191576	1	ASSEMBLY, FUSE AND POWER
1	9-191571	1	<ul style="list-style-type: none"> <li>• MOUNT BRACKET, Fuse/Relay</li> </ul>
2	9-191686	2	<ul style="list-style-type: none"> <li>• WASHER, Flat 3/16" Type A</li> </ul>
3	9-126642	6	<ul style="list-style-type: none"> <li>• NUT, Hex lock with nylon insert #10-24 NC</li> </ul>
4	9-138834	6	<ul style="list-style-type: none"> <li>• SCREW, Machine #10-24 NC x 3/4" PH Phillips</li> </ul>
5	9-156203	2	<ul style="list-style-type: none"> <li>• FUSE, 10 AMP red (Not Shown)</li> </ul>
6	9-156164	1	<ul style="list-style-type: none"> <li>• FUSE, 30 AMP LT grn (Not Shown)</li> </ul>
7	9-156202	1	<ul style="list-style-type: none"> <li>• FUSE, 5 AMP TAN (Not Shown)</li> </ul>
8	9-921734	1	<ul style="list-style-type: none"> <li>• POWER RELAY</li> </ul>
9	9-156103	6	<ul style="list-style-type: none"> <li>• FUSE HOLDER</li> </ul>

4.14 Enclosed Cab Assembly

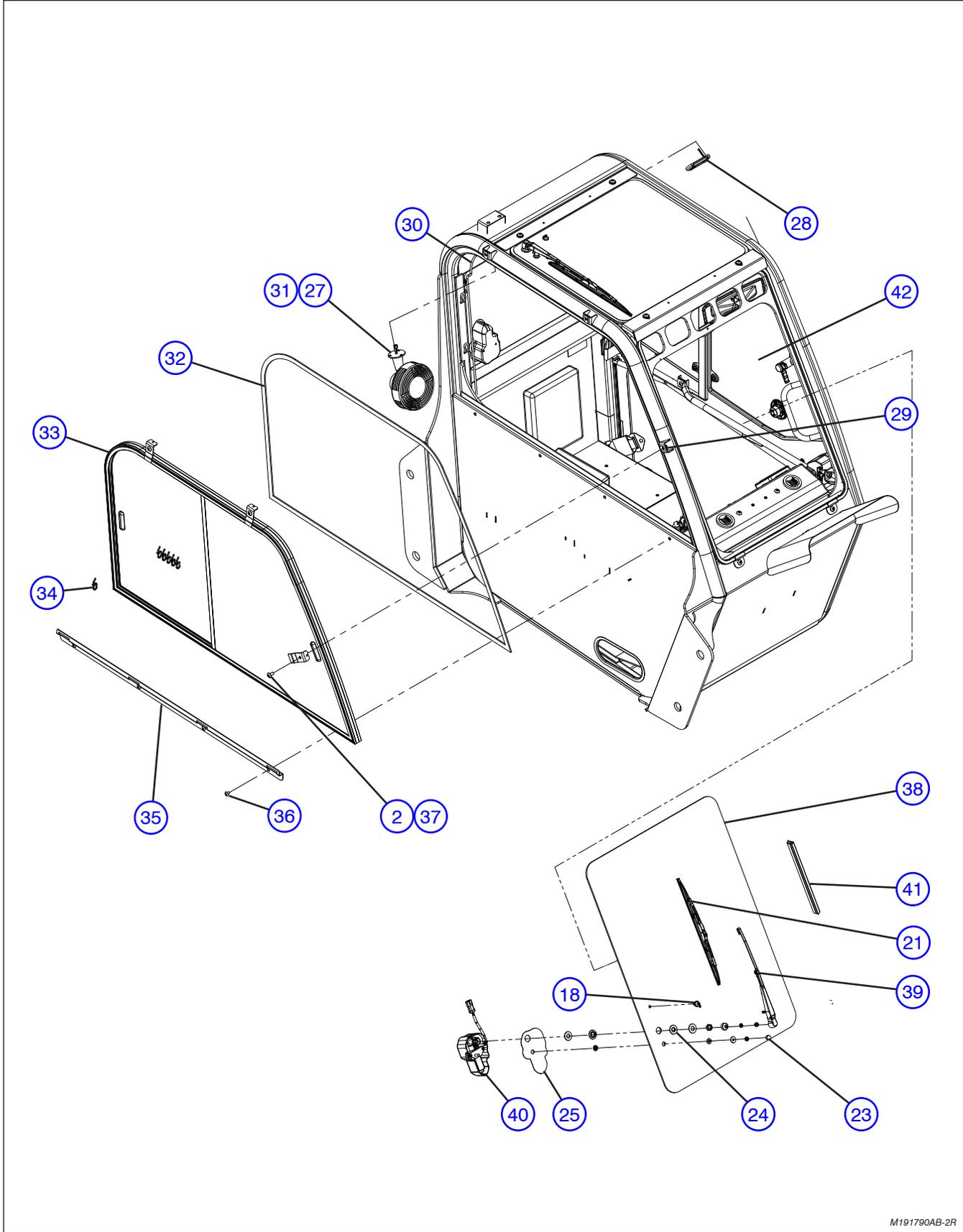


M191790AB-1R

#### 4.14 Enclosed Cab Assembly

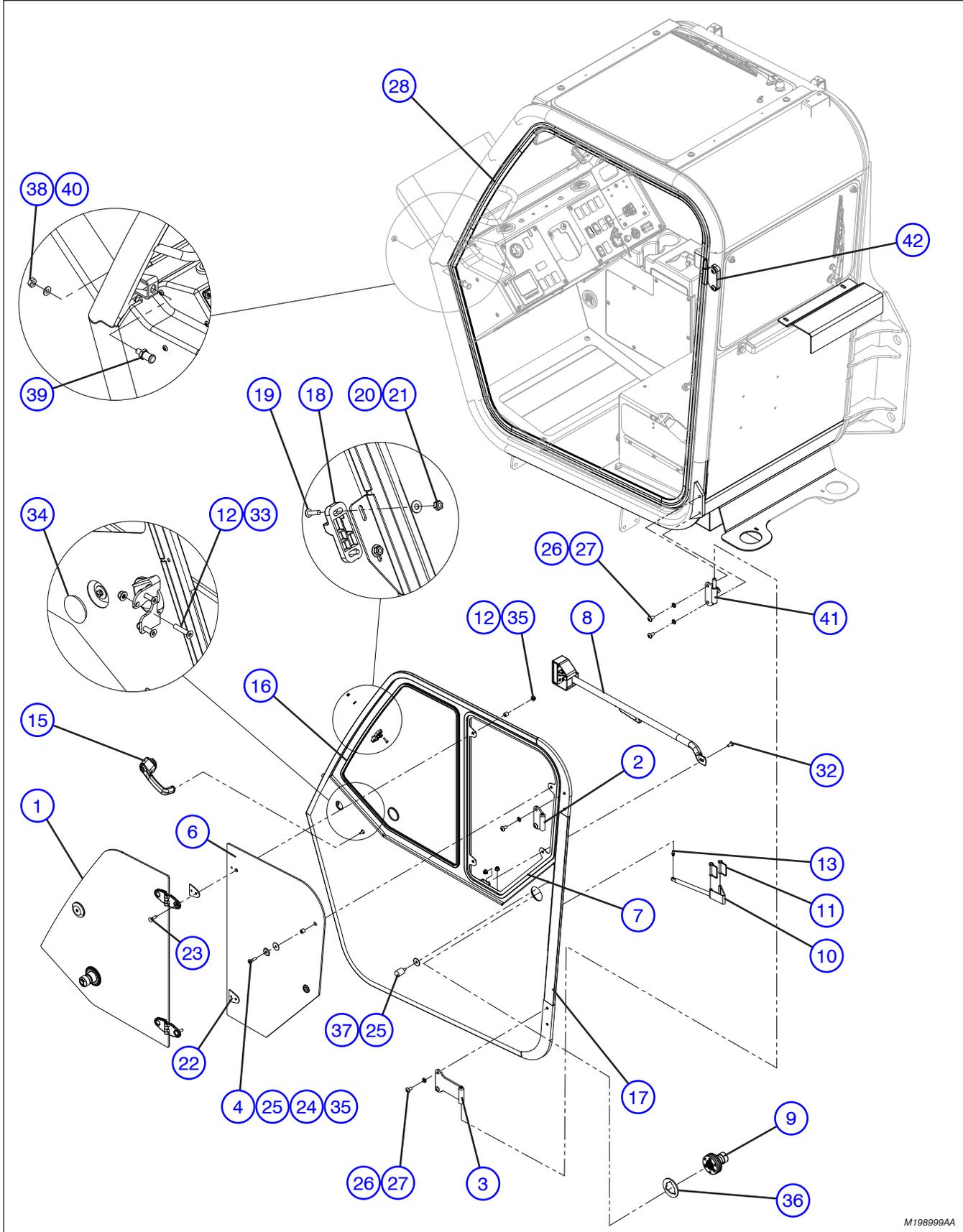
Index No.	Skyjack Part No.	Qty.	Description
-	9-191789	1	ASSEMBLY, ENCLOSED CAB SUBGROUP
-	9-191790	1	ASSEMBLY, Enclosed cab
1	9-103472	4	• WASHER, Flat 3/8"
2	9-191542	9	• SCREW, Machine 3/8"-16 NC x 3/4" BH torx
3	9-191666	2	• RETAINER, Front window lo
4	9-191651	1	• RETAINER, Front upper window
5	9-191653	1	• PLATE, Retainer top
6	9-103999	6	• WASHER, Lock hel spring 3/8"
7	9-191692	2	• KNOB, Black, 1-1/4" DIA 1/4" x 3/4"
8	9-921521	1	• FILTER, HVAC
9	9-191649	1	• PANEL, Screen intake
10	9-191549	3	• ROSEBUD CLIP, 413- 500" duct
11	9-191650	1	• COVER PANEL, Hose -A
12	9-702507	4	• NUT, Hex Lock with nylon insert, 1/2"-13 NC - B -B
13	9-191706	3	• LOUVER, Round, 2.79" W / 2.0 hose
14	9-191706	1	• LOUVER, Round, 2.79"
15	9-191532	4	• CLAMP, Hose,
16	9-191928	1	• ADAPTER, 90°
17	9-191684	1	• ASSEMBLY, Top window
18	9-191525	1	• • FITTING, Wiper hose
19	9-191660	1	• • WINDOW, Top
20	9-191660	1	• • WIPER, Arm wet
21	9-191670	1	• • WIPER, Blade j- hook
22	9-191556	1	• • WIPER, Motor LH park
23	9-191557	1	• • MOUNT, M8 hardware
24	9-191558	1	• • MOUNT, M16 hardware
25	9-191559	1	• • WIPER, Window sticker
26	9-191678	1	• • BUBBLE SEAL, 90° top
			<a href="#">Part list continued in following page</a>

4.14 Enclosed Cab Assembly - Continued

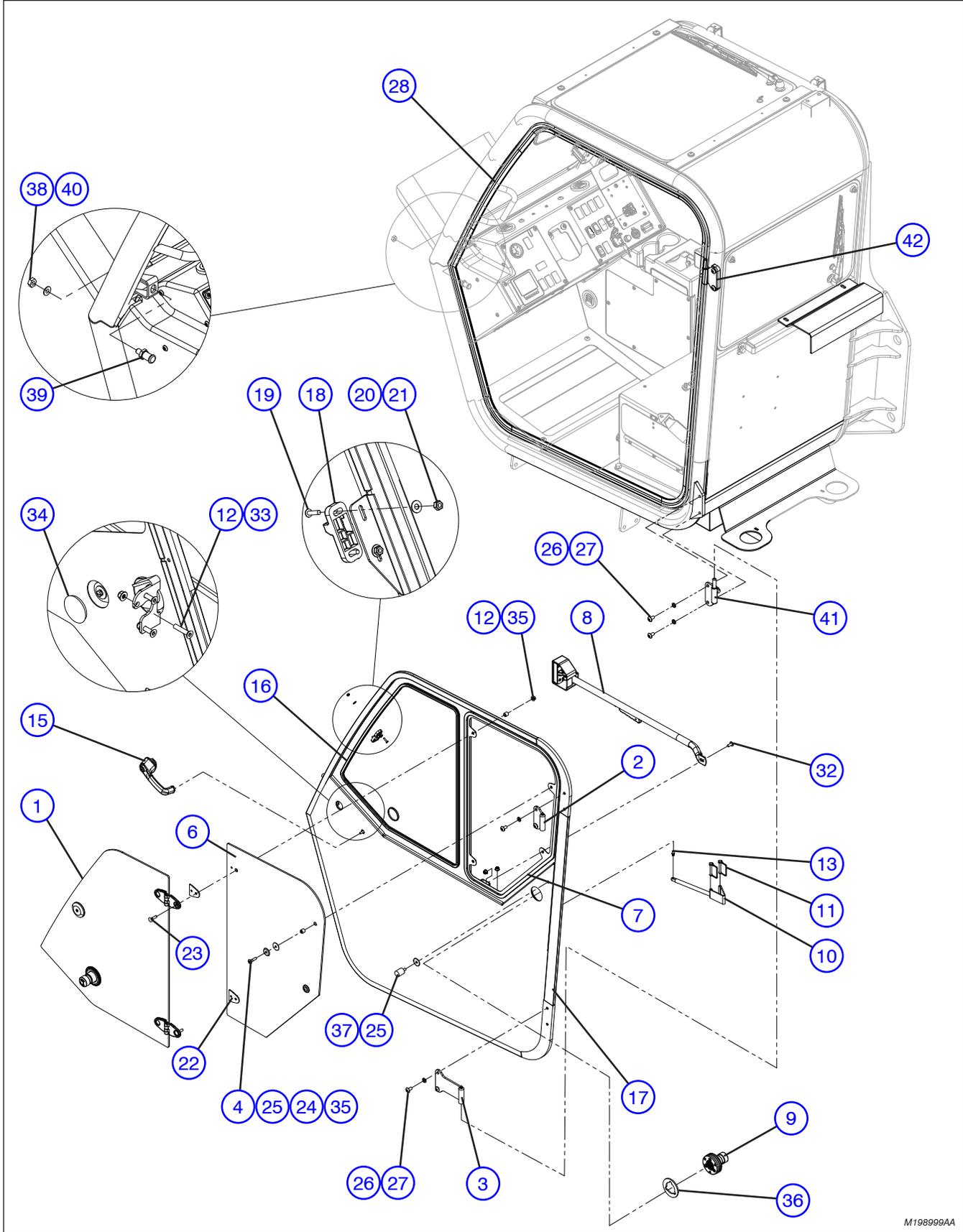


M191790AB-2R

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page
27	9-191680	1	• ASSEMBLY, Fan with terminals
28	9-191658	1	• DOME LIGHT, Oval with switch
29	9-191665	3	• CLIP, Window slider
30	9-191510	3	• HOSE, Washer
31	9-191694	1	• GASKET, Defroster fan
32	9-191697	1	• SEAL, Rubber strip
33	9-191663	1	• SLIDER WINDOW
-	9-211680	1	• • LATCH
34	9-191540	6	• WIRE TIE, Nylon, black, 7-1/2" long
35	9-191652	1	• RETAINER, Window slider lo
36	9-191677	4	• SCREW, Machine 3./8"-18 NC X 1/2" TH TRX -A
37	9-159294	3	• NUT, U-clip 3/8"-16 UNC
-	9-191683	1	• FRONT WINDOW WITH WIPER
38	9-191659	1	• • WINDOW, Front
39	9-191671	1	• • WIPER, Arm wet
40	9-191672	1	• • WIPER, Motor 315 LH park
41	9-191679	1	• • BUBBLE SEAL, 90° front
42	(Ref).	1	• ASSEMBLY, Door (For components, refer to Section 4.15)



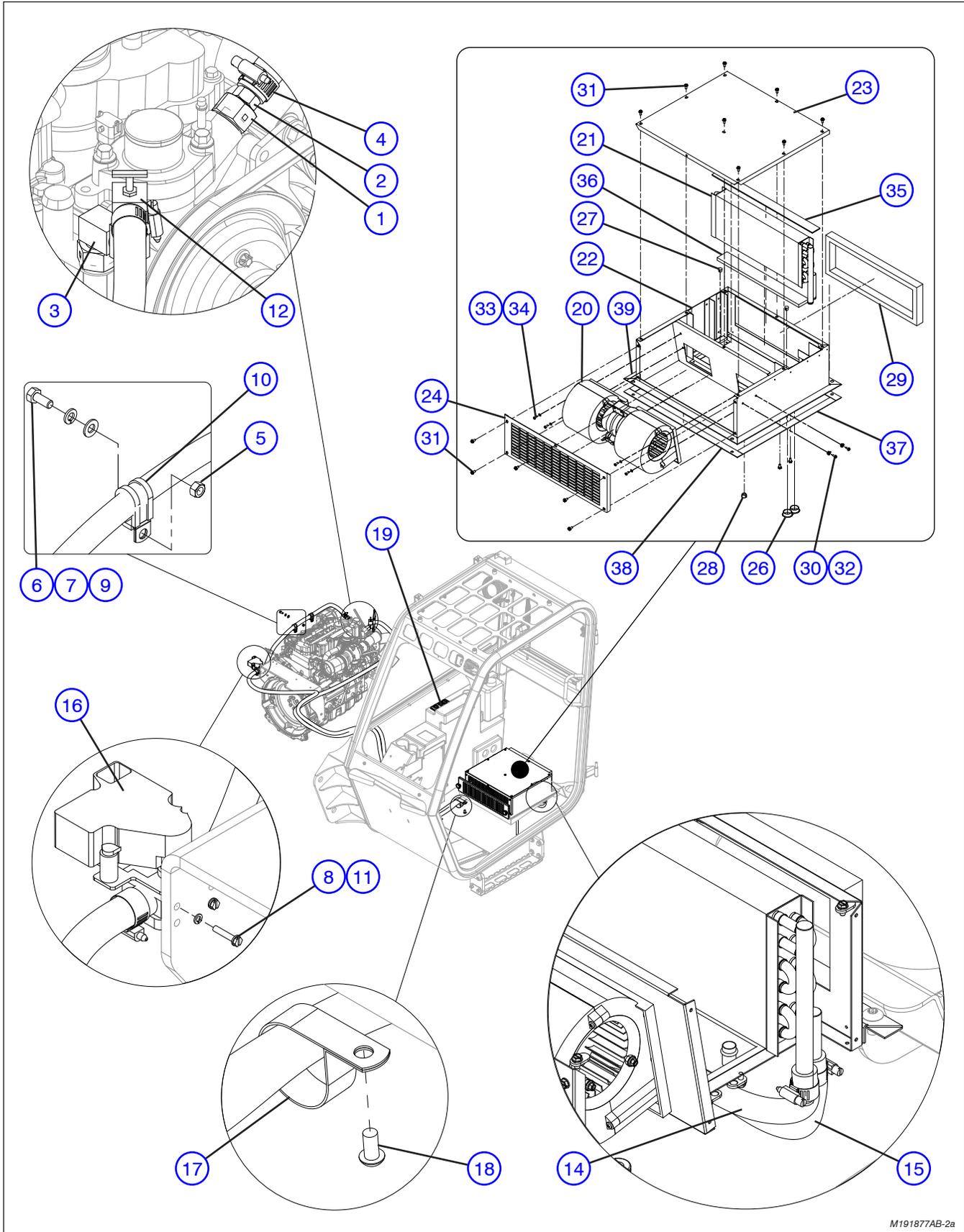
Index No.	Skyjack Part No.	Qty.	Description
-	9-198999	1	ASSEMBLY, DOOR LH
1	9-191946	1	• ASSEMBLY, Door window
2	9-191655	1	• WELDMENT, Door hinge top
3	9-191656	1	• WELDMENT, Door hinge bottom
4	9-191543	2	• SCREW, Machine 5/16-18 NC x 1-1/4" TH TRX
5	9-191561	1	• PROTECTIVE TRIM, Urethane
6	9-204275	1	• WINDOW, Upper rear door
7	9-204285	1	• SEAL, Bubble PSA 96" long
8	9-191701	1	• LATCH HANDLE, Dip round
9	9-191668	1	• WINDOW, Hold-open
10	9-191749	1	• STRAP, Door restraint
11	9-191699	2	• PIN, 5/16" x 2" With keeper
12	9-191574	9	• NUT HEX, 5/16"-18 nc flanged
13	9-191689	1	• BALL STUD
14	9-191691	1	• GAS SPRING, 20 psi x 17.2 "" ext stroke
15	9-191751	1	• HANDLE, Outside p/b key code 250
16	9-191561	1	• PROTECTIVE TRIM, Urethane
17	9-191654	1	• WELDMENT, LH door frame
18	9-191704	1	• HANDLE, L-Window stay 2-Pos
19	9-138834	2	• SCREW, Machine #10-24 NC X 3/4" PH Phillips
20	9-191686	2	• WASHER, flat 3/16" type a, w ser
21	9-126642	2	• NUT, Hex lock with nylon insert, #10-24 NC
22	9-191750	2	• SPACER, Seal gasket
23	9-106049	2	• BOLT. Carriage, 5/16"-18 x 1-1/4"
24	9-191698	2	• WASHER, Flat rubber EPDM
25	9-191705	3	• WASHER, Fender 11/32 ID X 1-1/4"
26	9-103999	8	• WASHER, Lock 3/8"
27	9-191542	8	• SCREW, 3/8"-16 NC x 3/4" BH TORX
28	9-191921	1	• BUBBLE SEAL, 90, Loop
29	9-103472	1	• WASHER Flat 3/8" type a, w ser
30	9-104000	1	• WASHER, Lock 1/4"
			<a href="#">Part list continued in following page</a>



M198999AA

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page
31	9-933627	1	• SCREW, Head head M6 x 25 X 1" grade 8
32	9-191573	1	• SCREW, Machine 5/16"-18 NC x 3/4" TH TRX
33	9-143728	3	• SCREW, Machine 5/16"-18 NC x 1-1/2" fh soc
34	9-191512	1	• PLUG HOLE, Plastic, 2-3/32" DIA
35	9-204283	4	• SPACER NYLON
36	9-191933	1	• SPACER, Window hold open
37	9-191918	1	• BUMPER, Neoprene 1" DIA
38	9-191702	1	NUT, Hex jam, M12 X 1.0 F
39	9-191703	1	STRIKER, Stud. 17 mm
40	9-191536	1	WASHER, Flat 1/2" type A, N SER
41	9-191927	1	WELDMENT, Hinge, bottom
42	9-191926	1	WELDMENT, Hinge upper

4.16 Cab with Heat Installation

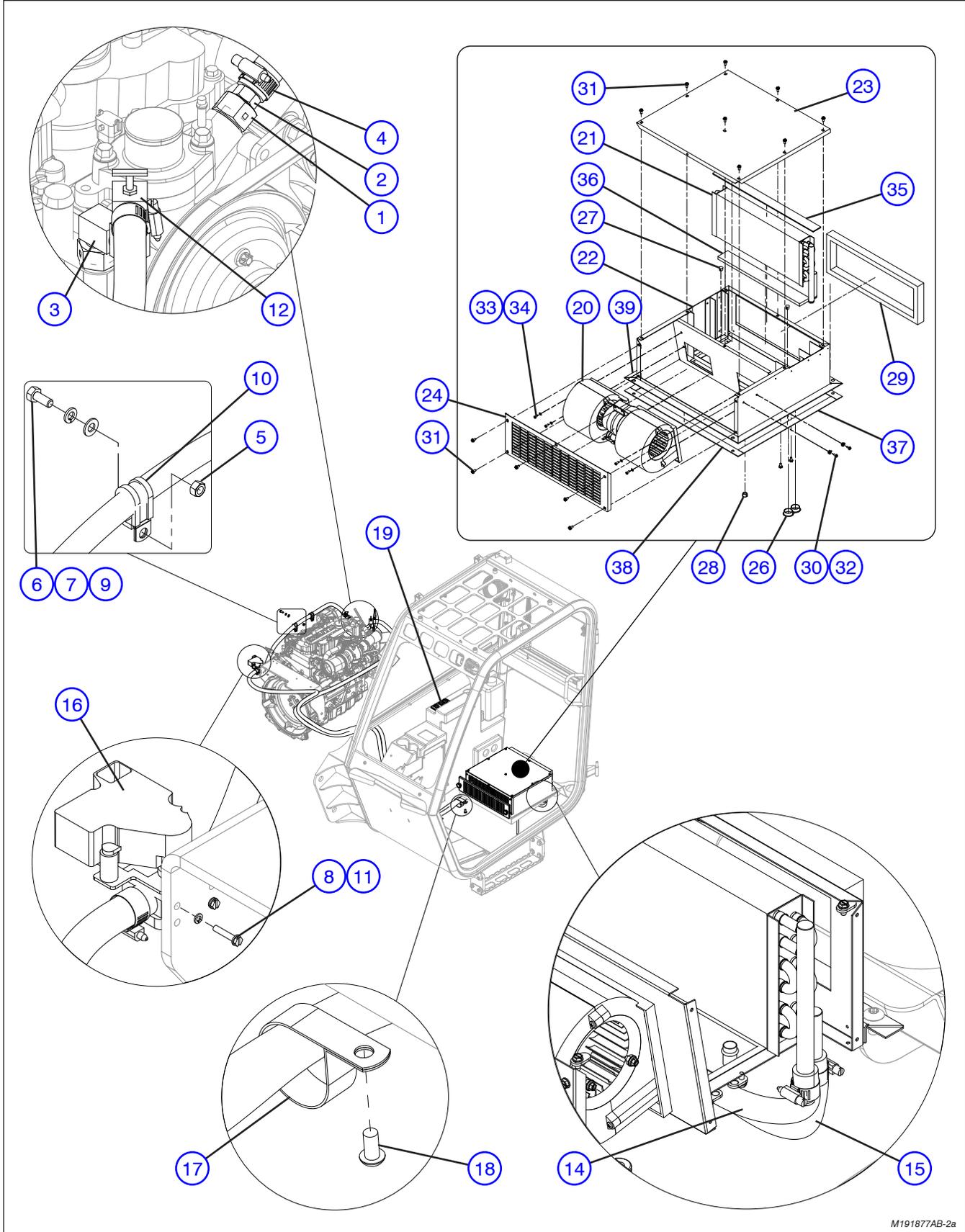


M191877AB-2a

#### 4.16 Cab with Heat Installation

Index No.	Skyjack Part No.	Qty.	Description
-	9-191877	1	ASSEMBLY, HEATER SUBGROUP/HOSES INSTALATION
1	9-191772	2	• ADAPTER, M22 x 1-1/2" to 3/8" NPT with O-ring
2	9-191771	1	• HOSE FITTING, 3/8" NPT, 5/8" hose
3	9-413158	2	• FITTING, Extruded 90° street elbow - 3/8" pipe
4	9-142359	6	• CLAMP, Gear #10
5	9-103078	2	• CLAMP, Loop cushion double g10
6	9-103996	1	• Washer, Flat 5/16"
7	9-103404	1	• WASHER, Lock 5/16"
8	9-112249	2	• WASHER, Lock #8
9	9-103887	1	• BOLT, Hex head 5/16"-18 x 3/4" grade 5
10	9-100397	1	• NUT, Hex 5/16"-18 grade 5
11	9-191882	2	• SCREW, Tapping 8-18 x 7/8" hex head, zinc
12	9-930936	1	• VALVE
13	9-407024	33	• HOSE, HEATER 5/8"
14	9-407024	139	• HOSE, HEATER 5/8"
15	9-407024	154	• HOSE, HEATER 5/8"
16	9-922724	1	• VALVE, Motorized heater
17	9-143987	2	• CLAMP, Loop cushion (#40)
18	9-170182	2	• BOLT, Button head cap screw 3/8"-16 x 3/4"
-	9-191682	1	ASSEMBLY, HEATER UNIT
19	9-191491	1	• CONTROLER, HVAC
-	9-922749	1	• HEATER UNIT
20	9-197011	1	• • BLOWER 12V
21	9-197012	1	• • HEATER COIL
22	9-197013	1	• • CASING
23	9-197014	1	• • COVER
24	9-197015	1	• • FRONT COVER
25	9-197016	1	• • WIRING HS.(Not shown)
26	9-197017	2	• • PLUG ,Snap-in hole 1"
27	9-197018	2	• • PLUG, Hole 3/8"
28	9-197019	1	• • PLUG, Hole 1/2"
29	9-197020	1	• • CC FOAM 5/8"x1"; L=970
30	9-197021	2	• • NUT, Lock #8-32
			<a href="#">Part list continued in following page</a>

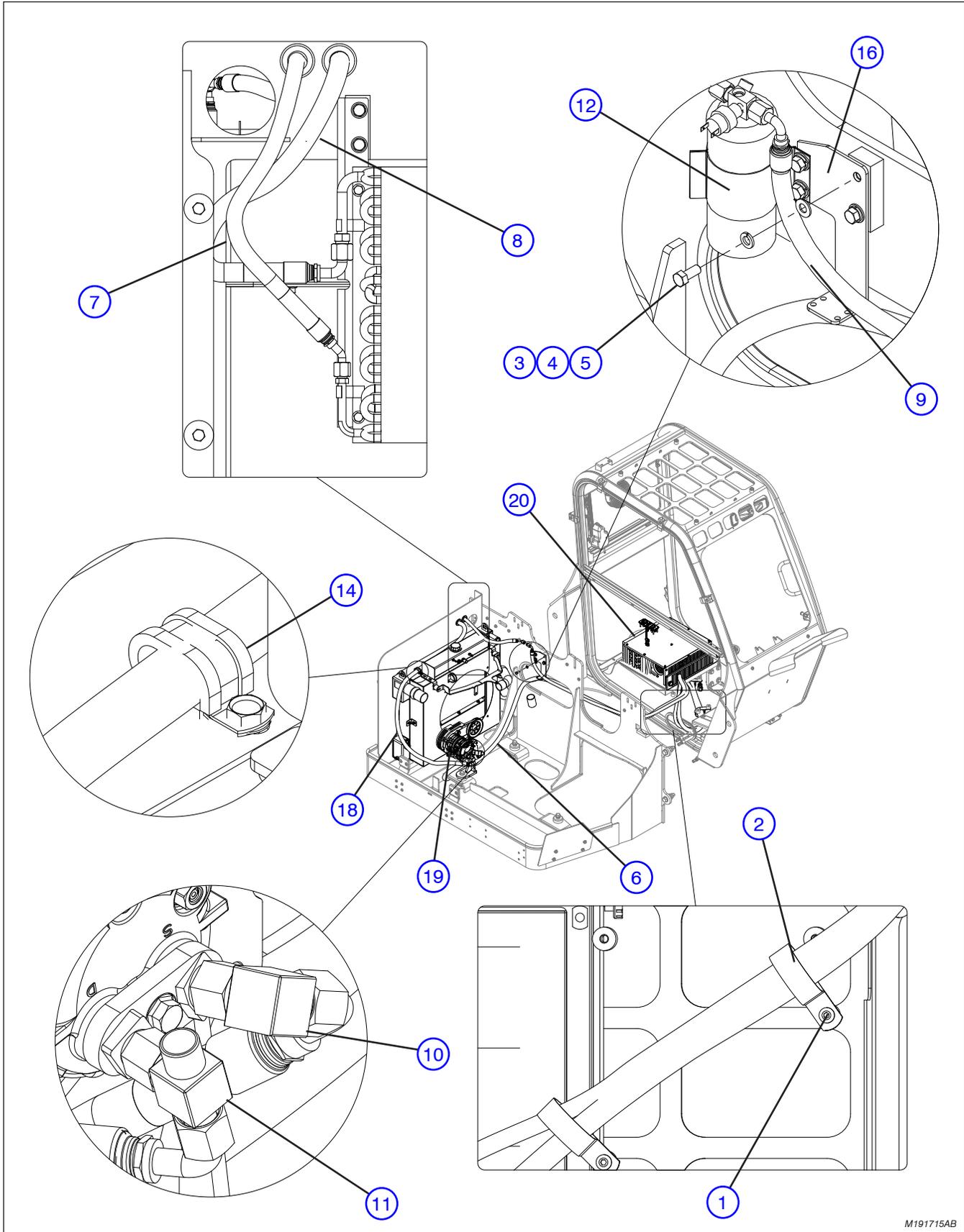
4.16 Cab with Heat Installation - Continued



M191877AB-2a

4.16 Cab with Heat Installation - Continued

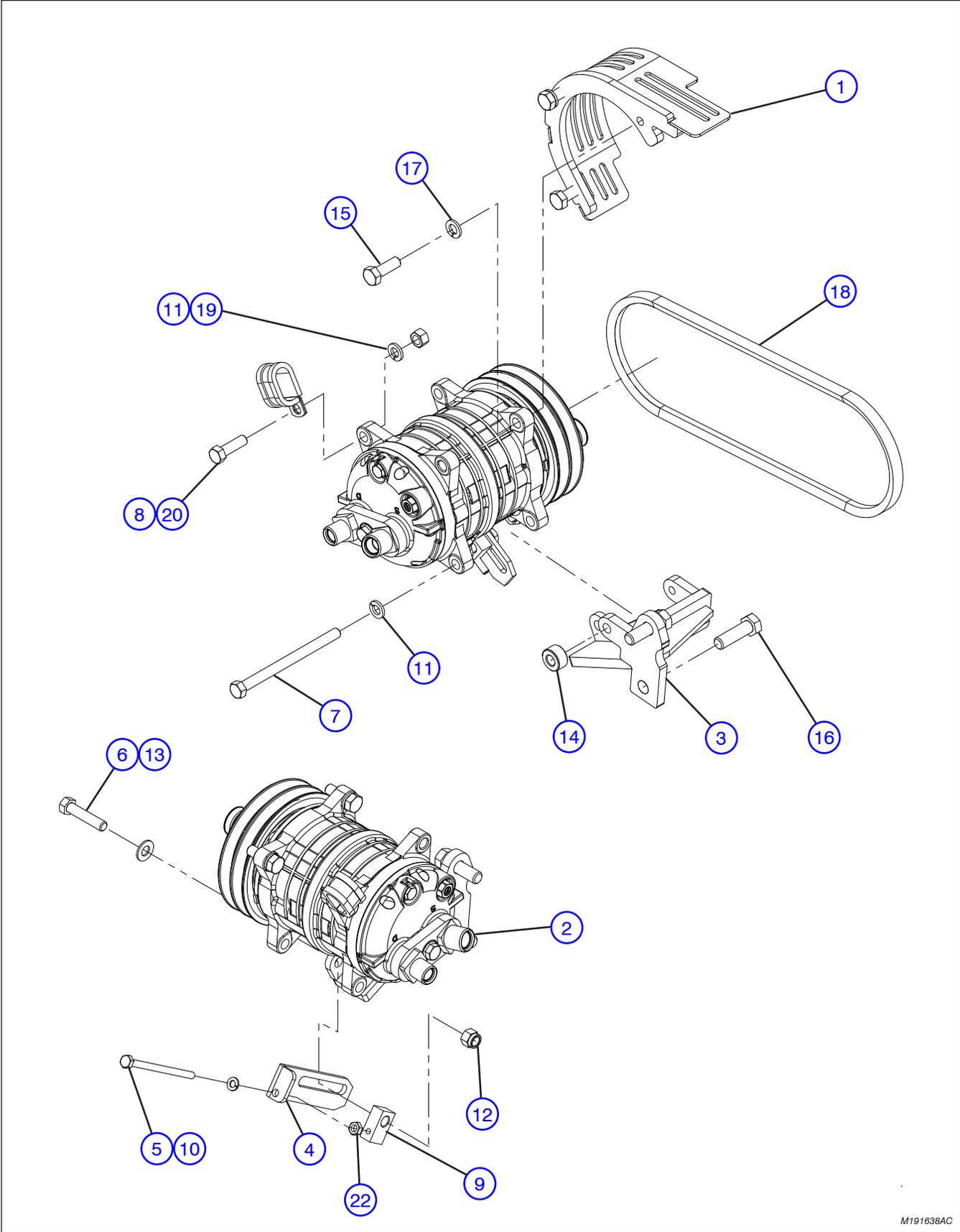
Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page
31	9-197022	15	• • SCREW #10-32 x 3/8"
32	9-197023	2	• • SCREW #8-32 x 3/8"
33	9-197024	4	• • SCREW #8-32 x 3/8"
34	9-197025	4	• • WASHER, Lock #8
35	9-197026	1	• • FOAM 1/4"x1 1/4"; 415
36	9-197027	1	• • FOAM 3/8"x1 5/8"; 338
37	9-197028	2	• • FOAM 1/16x1";383.5 mm
38	9-197028	2	• • FOAM 1/16"x1"; 470 mm
39	9-197029	1	• • FOAM 3/16x1/2";390 mm



M191715AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-191713	1	ASSEMBLY, A/C OPTION
-	9-191715	1	• ASSEMBLY, A/C hose hardware instalation
1	9-170182	2	• • BOLT, Button Head Cap Screw 3/8"-16 x 3/4"
2	9-143987	2	• • CLAMP, Loop cushion #40
3	9-300437	2	• • BOLT, Hex head 3/8"-16 X 7/8" grade 5
4	9-103472	2	• • WASHER, Flat 3/8"
5	9-103999	2	• • WASHER, Lock 3/8"
6	9-191283	1	• • ASSEMBLY, Refrigerant hose #10
7	9-191280	1	• • ASSEMBLY, Refrigerant hose #6
8	9-191282	1	• • ASSEMBLY, Refrigerant hose #8
9	9-191281	1	• • ASSEMBLY, Refrigerant hose #6
10	9-164139	1	• • COUPLER - #10 - 90° O-ring
11	9-164138	1	• • VALVE, A/C service - #8 - O-ring discharge
12	9-920079	1	• • BRACKET, Drier/binary
-	9-207486	1	• • • SWITCH, Pressure
13	9-102891	20	• • TIEWRAP CABLE, 7 1/4" black (Not Shown)
14	9-103078	1	• • CLAMP, Loop cushion double G10
15	9-171444	48	• • WRAP, Spiral 1" DIA (Not Shown)
16	9-191859	1	• • WELDMENT, A/C Dryer bracket
17	(Ref.)	1	• • HARNESS, A/C (Not Shown) (For components, refer to Section 4.20)
18	(Ref.)	1	• ASSEMBLY, A/C condenser (For components, refer to Section 4.19)
19	(Ref.)	1	• ASSEMBLY, A/C compressor (For components, refer to Section 4.18)
20	9-921101	1	• ASSEMBLY, A/C 12V kit

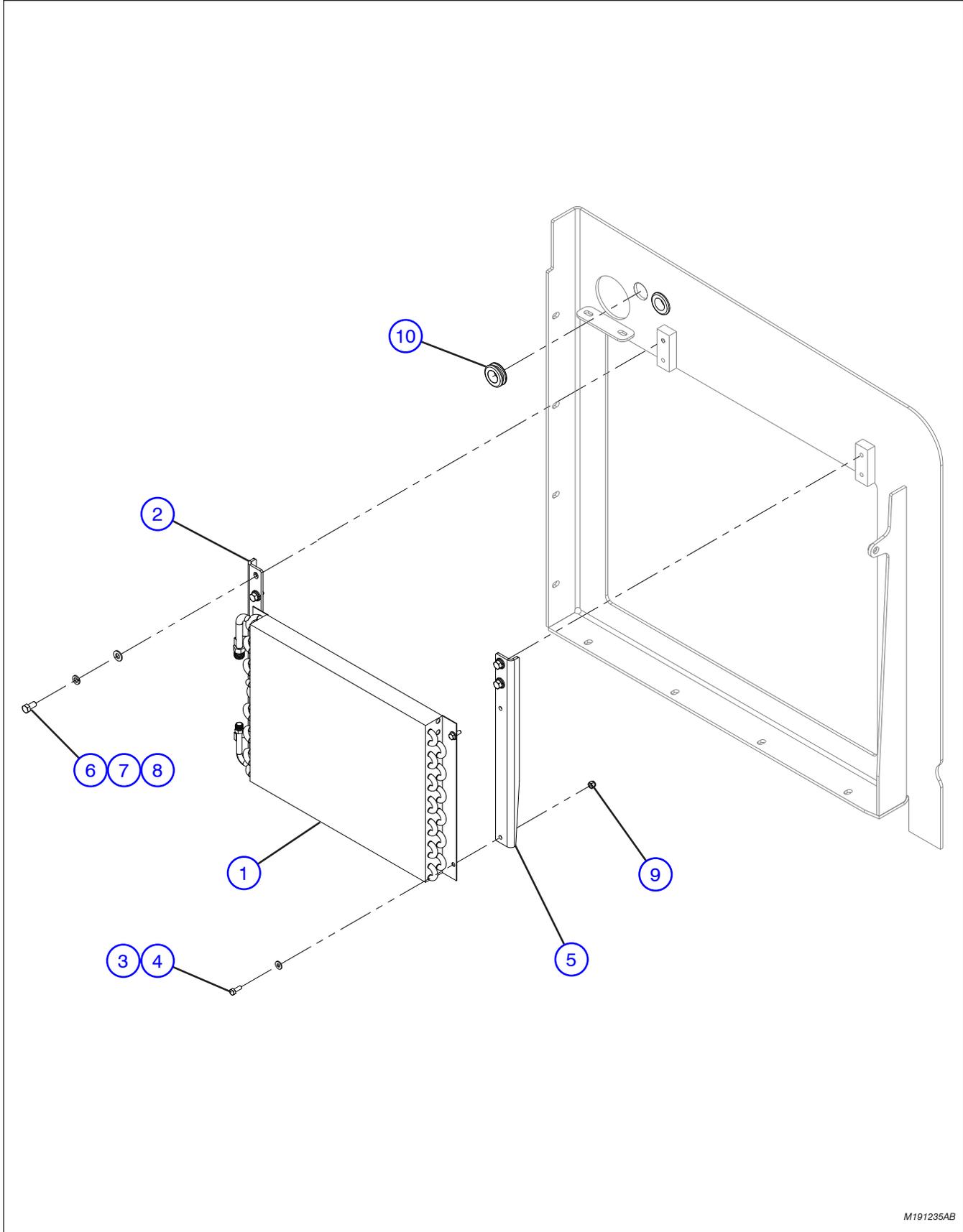
4.18 A/C Compressor Installation



M191638AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-191638	1	ASSEMBLY, A/C COMPRESSOR INSTALLATION
1	9-191856	1	<ul style="list-style-type: none"> <li>• WELDMENT, A/C pully guard</li> </ul>
2	9-163903	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, A/C compressor</li> </ul>
3	9-191220	1	<ul style="list-style-type: none"> <li>• WELDMENT, A/C compressor bracket</li> </ul>
4	9-191226	1	<ul style="list-style-type: none"> <li>• PLATE, Belt tensioner</li> </ul>
5	9-120738	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 1/4"-20 X 4" grade 5</li> </ul>
6	9-103871	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 1.750 grade 5</li> </ul>
7	9-163510	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 5" grade 5</li> </ul>
8	9-101297	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 1-1/4" grade 5</li> </ul>
9	9-191227	1	<ul style="list-style-type: none"> <li>• BLOCK, Belt tensioner</li> </ul>
10	9-104000	1	<ul style="list-style-type: none"> <li>• WASHER, Lock 1/4"</li> </ul>
11	9-103999	2	<ul style="list-style-type: none"> <li>• WASHER, Lock 3/8"</li> </ul>
12	9-104606	1	<ul style="list-style-type: none"> <li>• NUT, Lock with nylon insert 3/8"-16 grade 5</li> </ul>
13	9-103472	1	<ul style="list-style-type: none"> <li>• WASHER, Flat 3/8"</li> </ul>
14	9-191225	1	<ul style="list-style-type: none"> <li>• SPACER</li> </ul>
15	9-115745	3	<ul style="list-style-type: none"> <li>• BOLT, Hex head M10 X 1-1/2" x 30mm CL 8.8 ZP</li> </ul>
16	9-191640	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head M12 x 1-3/4" x 40mm CL10.9</li> </ul>
17	9-130884	2	<ul style="list-style-type: none"> <li>• WASHER, Lock M10-plated DIN 127B</li> </ul>
18	9-191238	1	<ul style="list-style-type: none"> <li>• V-BELT, A34</li> </ul>
19	9-103978	1	<ul style="list-style-type: none"> <li>• NUT, Hex 3/8"-16 grade 5</li> </ul>
20	9-103078	1	<ul style="list-style-type: none"> <li>• CLAMP, Loop cushion double G10</li> </ul>
21	9-922004	1	<ul style="list-style-type: none"> <li>• DECAL, Refridgerant charge (Not shown)</li> </ul>
22	9-103983	1	<ul style="list-style-type: none"> <li>• NUT, Hex head jam 1/4"-20 grade 5</li> </ul>

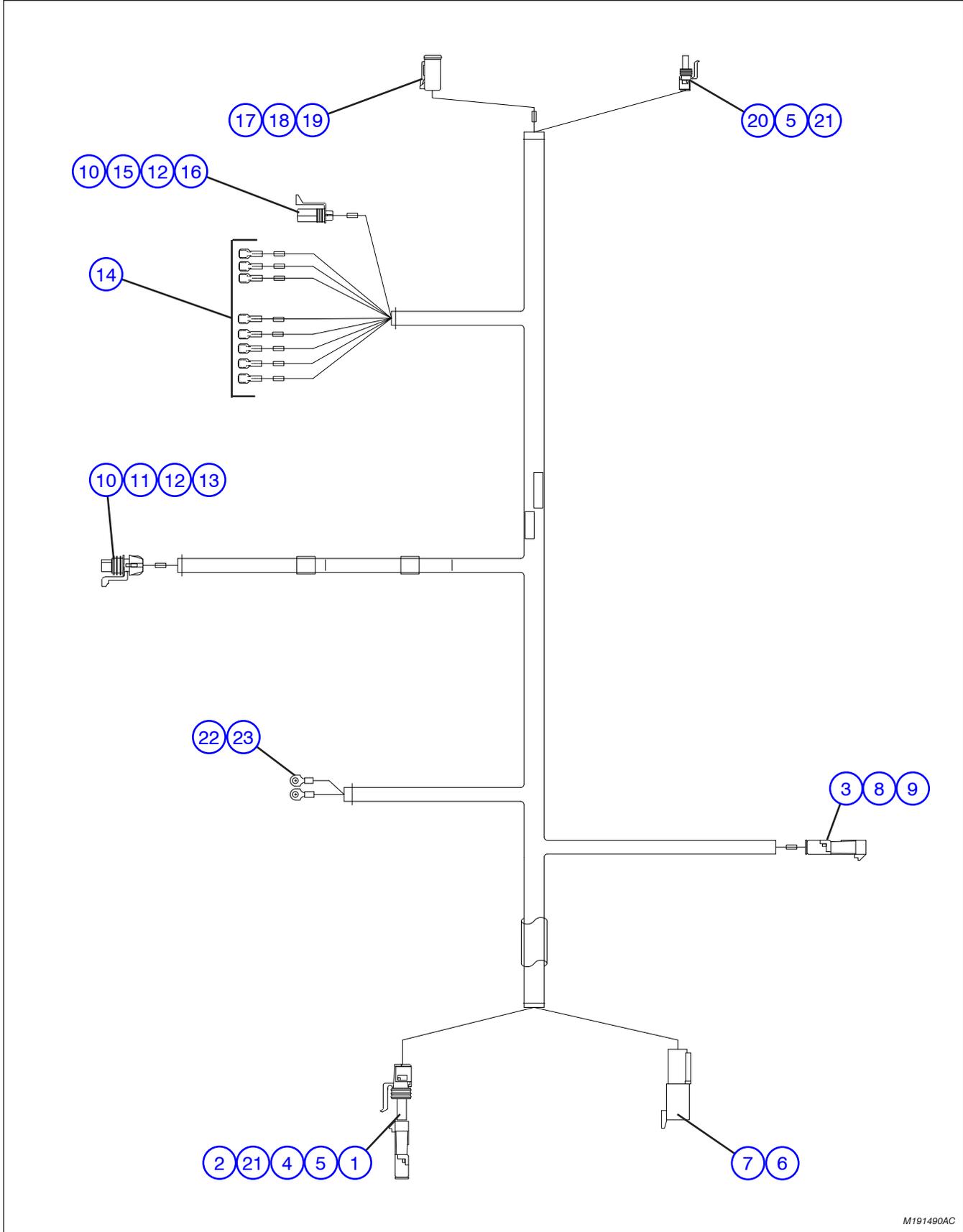
4.19 A/C Condenser Installation



M191235AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-191235	1	ASSEMBLY, A/C CONDENSER
1	9-921525	1	• ASSEMBLY, AC condenser
2	9-191237	1	• BRACKET, A/C condenser left
3	9-103995	4	• WASHER, Flat 1/4"
4	9-103856	4	• BOLT, Hex head 1/4"-20 x 3/4" grade 5
5	9-191236	1	• BRACKET, A/C condenser right
6	9-125959	4	• WASHER Flat 3/8" hard
7	9-101632	4	• BOLT, Hex head 3/8"-16 x 3/4" grade 5
8	9-103999	4	• WASHER, Lock 3/8"
9	9-115649	4	• NUT, Lock 1/4"-20 grade 5 - nylon insert
10	9-191284	2	• GROMMET, Rubber 1" ID x 1-3/8" OD x 1/4" TK

4.20 A/C and Heater Harness



M191490AC

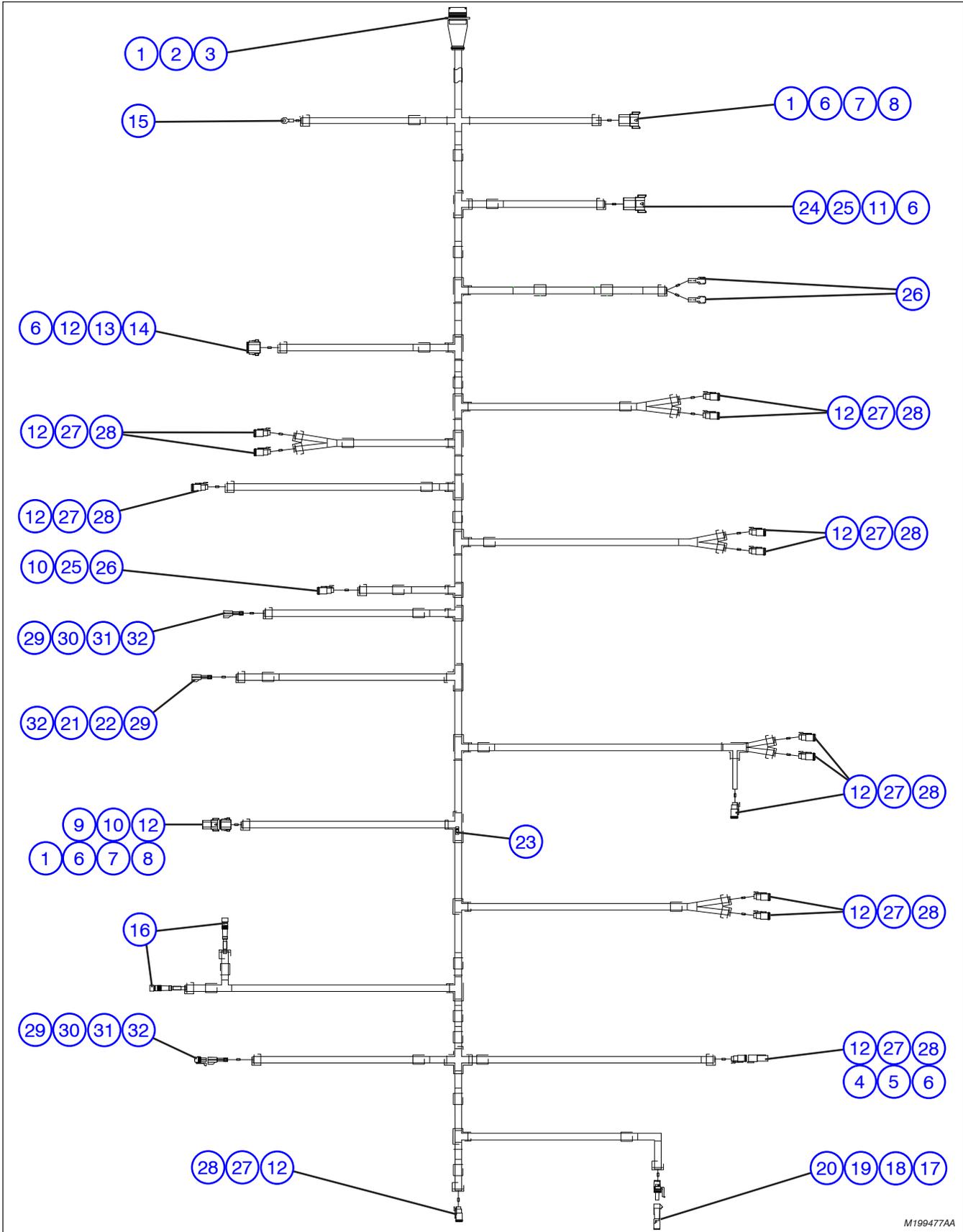
#### 4.20 A/C and Heater Harness

Index No.	Skyjack Part No.	Qty.	Description
-	9-191490	1	HARNESS, A/C AND HEATER
1	9-156106	1	• CONNECTOR 1M, W/P
2	9-156108	1	• CONNECTOR 1F, W/P
3	9-156147	1	• WIRE SEAL, Gray (3.5-2.8 mm), 280 M/P
4	9-156104	1	• PLUG CAVITY 1W, 280 M/P & W/P
5	9-156137	1	• TERMINAL, Female sealed (2.0-1.0 mm <sup>2</sup> ), W/P
6	9-156168	1	• PIN, Solid (8-10 AWG)
7	9-156181	1	• ASSEMBLY, Connector 1M, DTHD
8	9-156105	1	• CONNECTOR 2M, W/P
9	9-156139	2	• TERMINAL, Male sealed (2.0-1.0 mm <sup>2</sup> ), W/P
10	9-156146	6	• WIRE SEAL, Red (2.9-2.0 mm), 150 M/P
11	9-156298	1	• CONNECTOR 6F, 150 M/P
12	9-124365	6	• TERMINAL, Female sealed (1.0-0.5 mm <sup>2</sup> ), 150 M/P
13	9-156299	1	• TERMINAL, position assurance 6W 150 M/P
14	9-105359	8	• TERMINAL, Female disc. (10-12AWG)
15	9-156124	1	• TERMINAL, position assurance 3W 150 M/P
16	9-156131	1	• CONNECTOR 3F, 150 M/P
17	9-156187	1	• ASSEMBLY, Connector 4F, DTP
18	9-156158	4	• SOCKET (10-12 AWG), Formed
19	9-156199	1	• WEDGE, Socket
20	9-124036	1	• CONNECTOR 2F, W/P
21	9-156170	4	• WIRE SEAL (2.1-1.2 mm), Light blue
22	9-156222	1	• TERMINAL, M10 ring (5.0 mm <sup>2</sup> )
23	9-156259	1	• TERMINAL, M10 ring (3.0-2.0 mm <sup>2</sup> )



- 5.1 Chassis Harness Assembly
- 5.2 Engine Harness Assembly
- 5.3 Console Harness Assembly
- 5.4 Glow Plug Harness Assembly
- 5.5 Battery Assembly
- 5.6 Battery Cables Assembly
- 5.7 Harness, Enclose Cab Assembly
- 5.8 Tilt Sensor Assembly
- 5.9 Jumper Harness Assembly

5.1 Chassis Harness Assembly

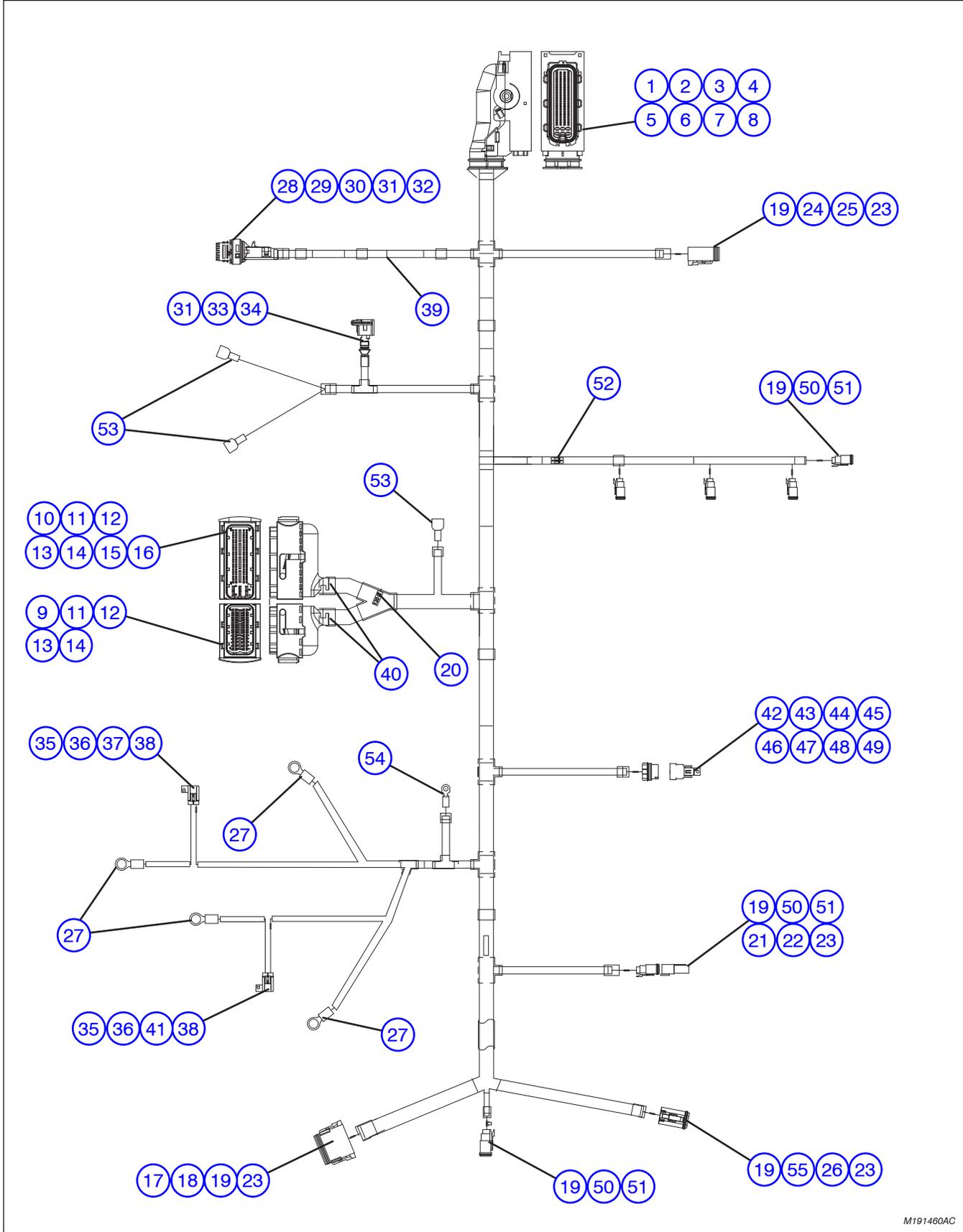


M199477AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-199477	1	ASSEMBLY, TH CHASSIS HARNESS
1	9-156155	40	• PIN (16-20 AWG), SOLID
2	9-156189	1	• CONNECTOR ASSEMBLY 34M, HD34
3	9-156195	1	• STRAIN RELIEF, STRAIGHT
4	9-117596	1	• CONNECTOR ASSEMBLY 2M, DT
5	9-117598	1	• WEDGE, PIN W2P
6	9-117594	18	• SEALING PLUG
7	9-117578	2	• CONNECTOR RECEPTACLE 4PIN
8	9-117580	2	• WEDGE, W4P
9	9-117579	1	• CONNECTOR ASSEMBLY 4F, DT
10	9-117581	1	• WEDGE, SOCKET
11	9-117590	6	• CONNECTOR - CONTACT PIN 16-18
12	9-117591	40	• SOCKET (16-18 AWG), SOLID
13	9-117583	1	• CONNECTOR ASSEMBLY 8F, DT
14	9-117585	1	• WEDGE, PLUG
15	9-156259	1	• TERMINAL, M10 RING (3.0-2.0 mm <sup>2</sup> )
16	9-190577	2	• CABLE, SENSOR TH
17	9-156105	1	• CONNECTOR 2M, W/P
18	9-124036	1	• CONNECTOR 2F, W/P
19	9-156137	2	• TERMINAL FEMALE SEALED (2.0-1.0 mm <sup>2</sup> ), W/P
20	9-156147	2	• WIRE SEAL GRAY (3.5-2.8 mm), 280 M/P
21	9-190340	1	• CONNECTOR 3M, 280 M/P
22	9-190341	1	• TPA, 3W 280 M/P
23	9-102921	1	• DIODE T6A40L
24	9-117582	1	• CONNECTOR ASSEMBLY 8M, DT
25	9-117584	1	• W8P WEDGE, PLUG
26	9-114595	2	• TERMINAL, FEMALE DISC. INSULATED (22-18 GA)
27	9-117597	15	• CONNECTOR ASSEMBLY 2F, DT
28	9-117599	15	• WEDGE, SOCKET W2S
29	9-156120	2	• TERMINAL MALE (1.0-0.8 mm <sup>2</sup> ), 280 M/P
30	9-156144	2	• CONNECTOR 2M, 280 M/P
31	9-156145	2	• TPA, 2W 280 M/P
32	9-124369	2	• WIRE SEAL GREEN (2.9-2.0 mm), 280 M/P

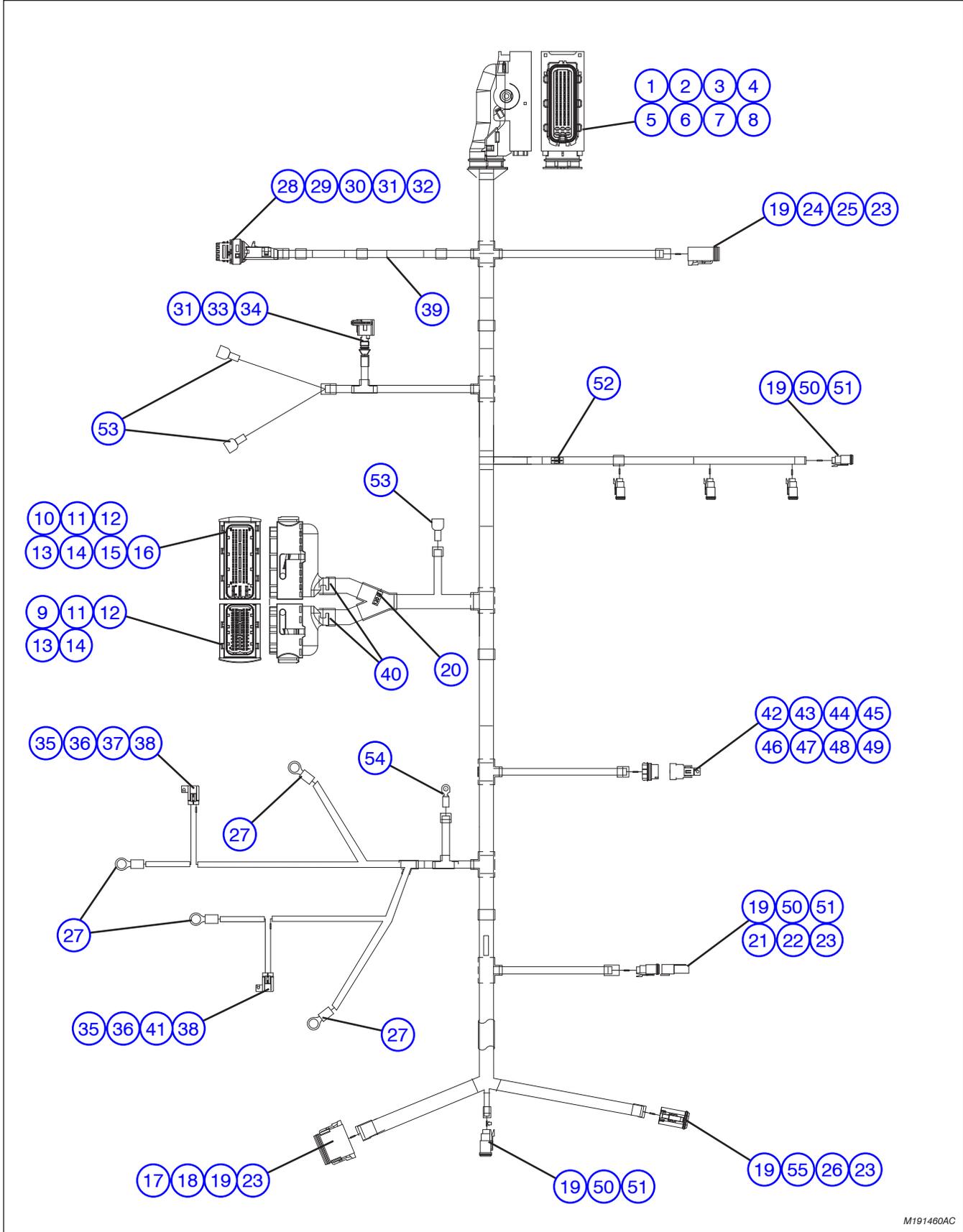
5.2 Engine Harness Assembly

AC



M191460AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-209177	1	ASSEMBLY, ENGINE HARNESS
1	9-164544	1	• CONNECTOR, 62F, AMP MCP
2	9-164545	1	• COVER, 62 pin connector
3	9-164546	32	• TERMINAL, Female (1.0-0.5mm <sup>2</sup> ), MCP
4	9-164547	32	• WIRE SEAL, Grey (1.4-1.9mm), MCP
5	9-164548	24	• CAVITY, Plug 3.6mm, MCP
6	9-164549	2	• TERMINAL, Female (2.5-1.0mm <sup>2</sup> ), MCP
7	9-164550	2	• WIRE SEAL, White (2.2-3.0mm), MCP
8	9-164551	4	• CAVITY, Plug 5.4mm, MCP
9	9-164556	1	• CONNECTOR, 60F, AMP MQS
10	9-164567	1	• CONNECTOR, 94F, AMP MQS+MCP
11	9-164561	45	• TERMINAL, Female (0.75-0.5 mm <sup>2</sup> ), MQS
12	9-164562	15	• TERMINAL, Female (1.5-0.75mm <sup>2</sup> ), MQS
13	9-164563	76	• CAVITY PLUG, MQS
14	9-164564	12	• CAVITY PLUG, MQS
15	9-164572	6	• TERMINAL, Female (2.5-1.0mm <sup>2</sup> ), MCP2.8
16	9-164573	6	• WIRE SEAL, Yellow (2.7-3.0mm), JPT/MCP
17	9-117587	1	• CONNECTOR, Plug 12-pin
18	9-117589	1	• CONNECTOR, Plug 12-pin wedge
19	9-117591	34	• CONNECTOR, Contact socket 16-18
20	9-163021	1	• RESISTOR
21	9-117596	1	• CONNECTOR, 2M, DT
22	9-117598	1	• WEDGE, Pin W2P
23	9-117594	4	• CONNECTOR, Sealing plug
24	9-117579	1	• CONNECTOR, Plug 4-pin
25	9-117581	1	• CONNECTOR, Plug 4-pin wedge
26	9- 117585	1	• WEDGE, Socket
27	9-156219	4	• TERMINAL, M8 Ring (5.0 mm <sup>2</sup> )
28	9-164579	1	• CONNECTOR, 4F 2.5mm circular
29	9-164580	1	• STRAIN RELIEF, Straight
30	9-164581	3	• TERMINAL, Female (1.0-0.5mm <sup>2</sup> ), 2.5mm circular.
			<a href="#">Part list continued on the following page</a>

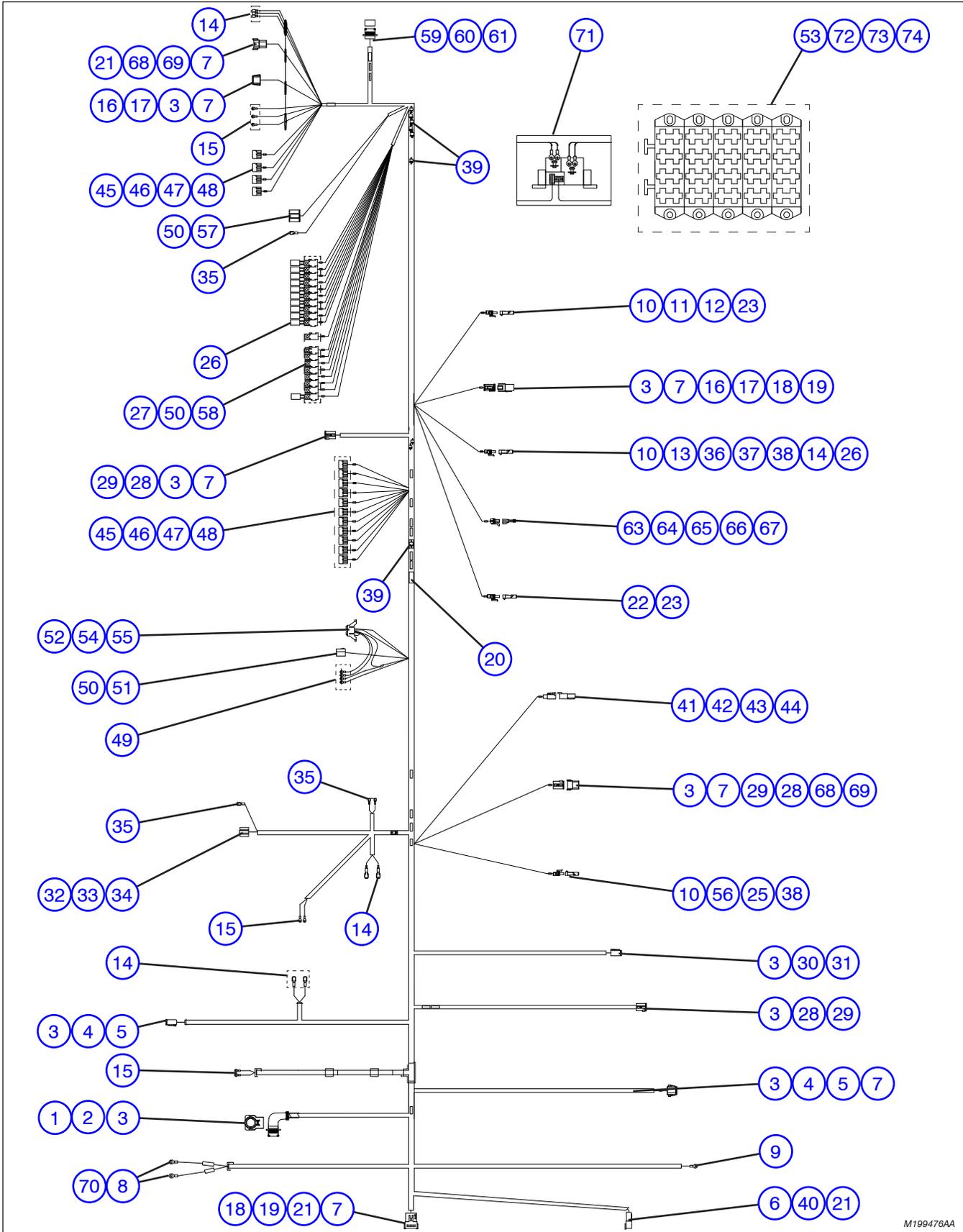


M191460AC

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page
31	9-164578	5	• WIRE SEAL (1.2-2.1mm), LT. blue
32	9-156172	1	• CAVITY PLUG, JPT
33	9-156163	1	• CONNECTOR, 2F, AMP
34	9-156174	2	• TERMINAL, Female (1.0-0.5 mm <sup>2</sup> ), JPT
35	9-156127	2	• CONNECTOR 2F, 630 M/P Fuse holder
36	9-156118	4	• TERMINAL, Female (5.0-3.0 mm <sup>2</sup> ), 630 M/P Pull-to-seat
37	9-156164	1	• FUSE, 30A
38	9-156117	2	• COVER, Inline autofuse
39	9-113719	51	• TIEWRAP 3 5/8 Long black
40	9-102891	3	• TIEWRAP 7 1/4 Long black
41	9-121504	1	• FUSE, 20A
42	9-156104	4	• PLUG CAVITY 1W, 280 M/P & W/P
43	9-156132	1	• CONNECTOR 5F, 280 M/P
44	9-156133	1	• TPA, 5W 280 M/P
45	9-156134	2	• TERMINAL, Female sealed (5.0-3.0 mm <sup>2</sup> ), 280M/P tangless
46	9-156142	2	• TERMINAL, Female sealed (2.0-1.0 mm <sup>2</sup> ), 280 M/P tangless
47	9-156147	2	• WIRE SEAL, Gray (3.5-2.8 mm), 280 M/P
48	9-124369	2	• WIRE SEAL, Green - "15324982"
49	9-156200	1	• RELAY
50	9-117597	6	• CONNECTOR, 2F, DT
51	9-117599	6	• WEDGE, Socket
52	9-102921	1	• DIODE, T6A40L
53	9-105359	3	• TERMINAL, Female 14-16GA incl. blue
54	9-156221	1	• TERMINAL, M10 ring (2x 1.0-0.8mm <sup>2</sup> )
55	9-117583	1	• CONNECTOR, 8F, DT

5.3 Console Harness Assembly

AB

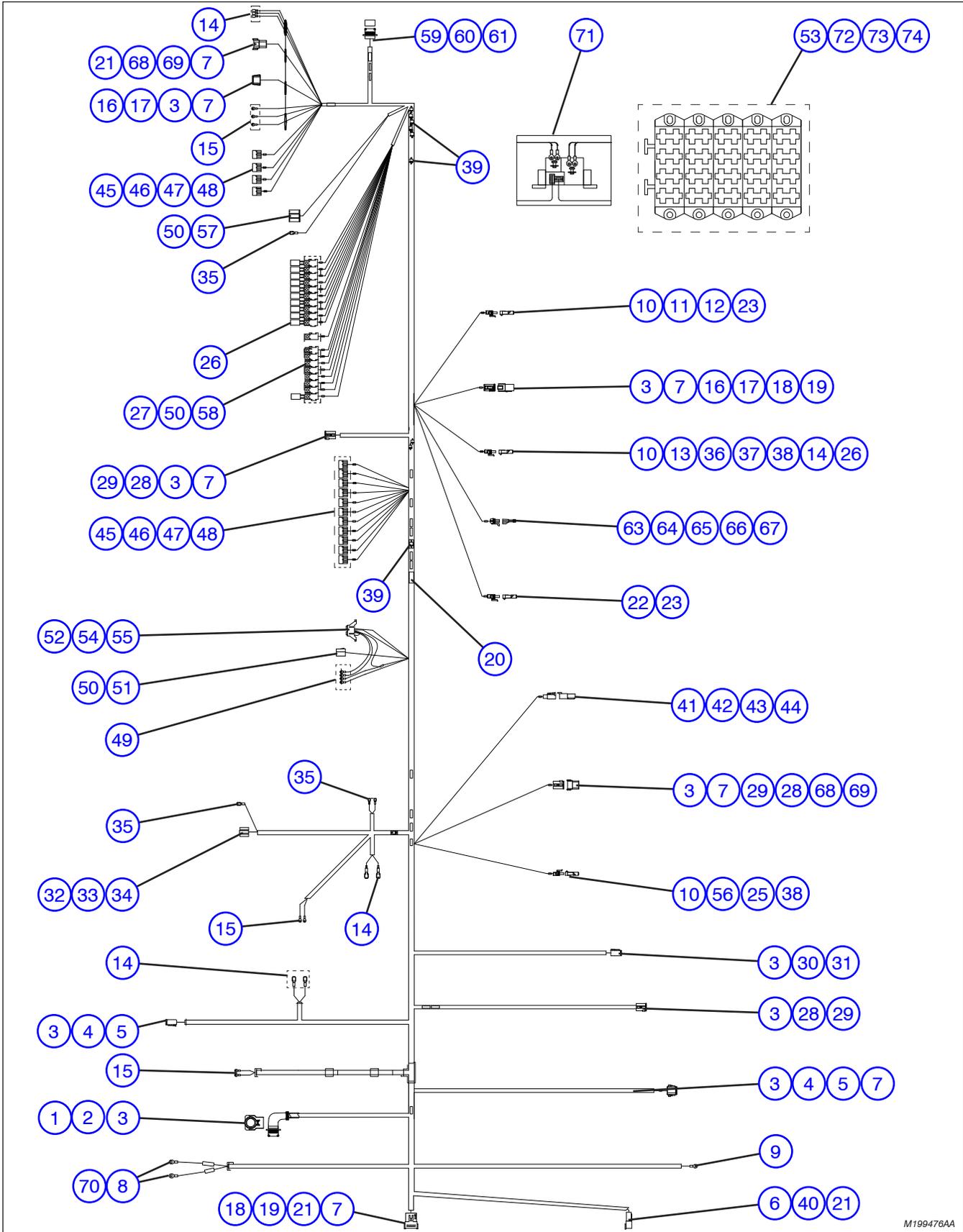


M199476AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-199476	1	HARNESS, CONSOLE UNIVERSAL
1	9-156190	1	• CONNECTOR ASSEMBLY 34F, HD34
2	9-156196	1	• STRAIN RELIEF, 90 DEG
3	9-117591	72	• SOCKET (16-18 AWG), SOLID
4	9-117579	2	• CONNECTOR ASSEMBLY 4F, DT
5	9-117581	2	• WEDGE, SOCKET
6	9-117596	1	• CONNECTOR ASSEMBLY 2M, DT
7	9-117594	48	• SEALING PLUG
8	9-190376	2	• WIRE-GREY FUSIBLE LINK 14 AWG
9	9-156222	1	• TERMINAL, M10 RING (5.0 mm <sup>2</sup> )
10	9-156104	8	• PLUG CAVITY 1W, 280 M/P & W/P
11	9-156106	1	• CONNECTOR 1M, W/P
12	9-156108	1	• CONNECTOR 1F, W/P
13	9-156137	2	• TERMINAL FEMALE SEALED (2.0-1.0 mm <sup>2</sup> ), W/P
14	9-105359	7	• TERMINAL, FEMALE DISC. INSULATED (14-16 GA)
15	9-102936	7	• TERMINAL, 14-16AWG, #10 RING BLUE
16	9-117587	1	• CONNECTOR - PLUG 12-PIN
17	9-117589	1	• CONNECTOR - PLUG 12-PIN WEDGE
18	9-117586	2	• CONNECTOR RECEPTACLE 12-PIN
19	9-117588	2	• CONNECTOR RECEPTACLE 12-PIN WEDGE
20	9-164855	2	• RESISTOR 1.0K 1/2 WATT AXIAL LEAD
21	9-117590	17	• CONNECTOR - CONTACT PIN 16-18
22	9-156109	1	• CONNECTOR 4F, W/P
23	9-156137	6	• TERMINAL FEMALE SEALED (2.0-1.0 mm <sup>2</sup> ), W/P
24	9-156259	1	• TERMINAL, M10 RING (3.0-2.0 mm <sup>2</sup> )
25	9-124036	1	• CONNECTOR ASSEMBLY 2F, W/P
26	9-931298	11	• RELAY, MINI ISO
27	9-156166	19	• SOCKET, RELAY
28	9-117583	2	• CONNECTOR ASSEMBLY 8F, DT
29	9-117585	2	• WEDGE, SOCKET
30	9-156180	1	• CONNECTOR ASSEMBLY 6F, DT
31	9-156194	1	• WEDGE, PLUG
32	9-156101	1	• CONNECTOR 6F, 56 SERIES
33	9-156135	3	• TERMINAL FEMALE (2.0-1.0 mm <sup>2</sup> ), 56 SERIES
34	9-156136	1	• TERMINAL FEMALE (2x 2.0-1.0 mm <sup>2</sup> ), 56 SERIES
35	9-114595	5	• TERMINAL, FEMALE DISC. INSULATED (22-18 GA)
			<a href="#">Part list continued in following page</a>

5.3 Console Harness Assembly - Continued

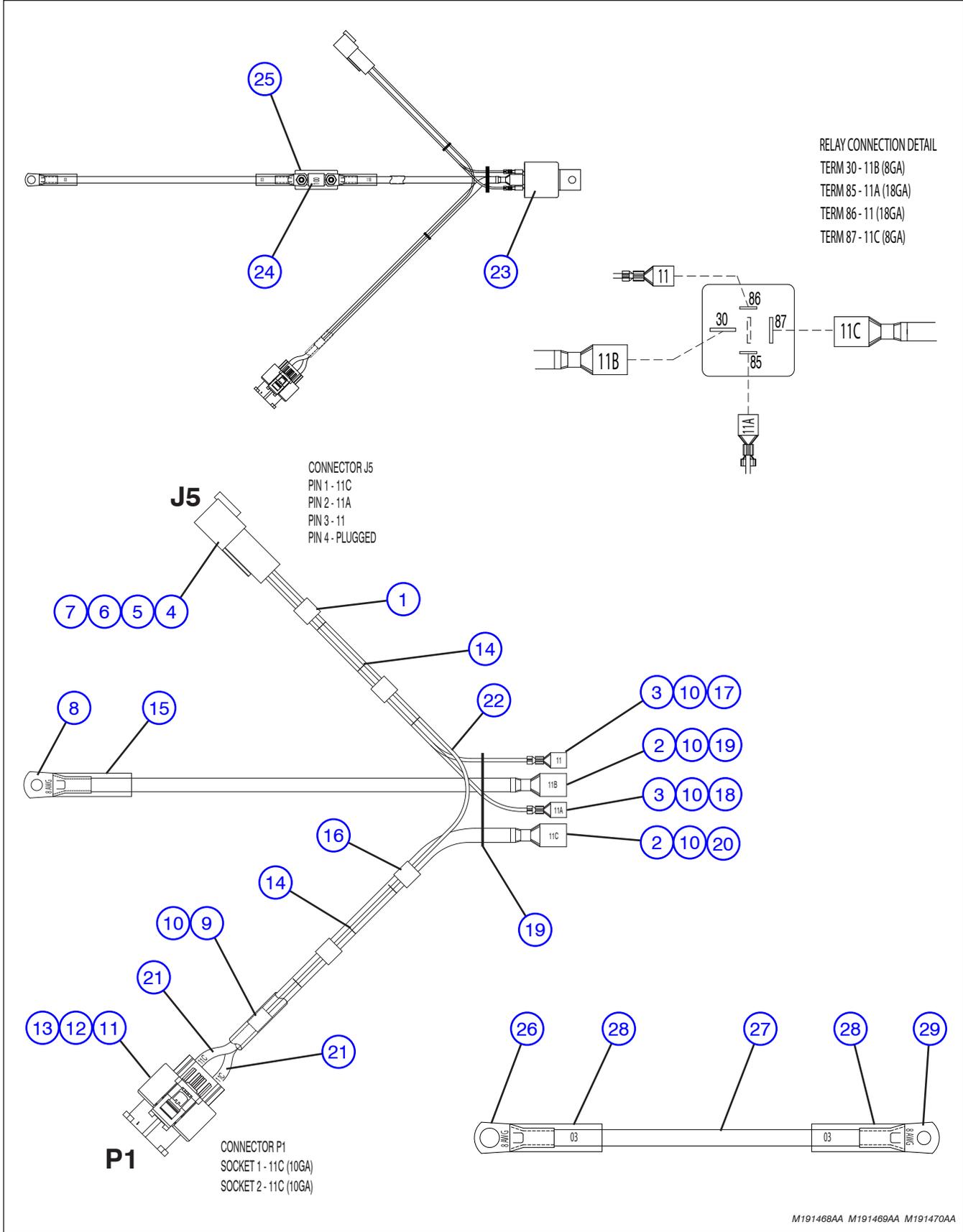
AB



M199476AA

Index No.	Skyjack Part No.	Qty.	Description
36	9-156113	1	• CONNECTOR 3M, W/P
37	9-156114	1	• CONNECTOR 3F, W/P
38	9-156138	3	• TERMINAL FEMALE SEALED (3.0-2.0 mm <sup>2</sup> ), W/P
39	9-102921	10	• DIODE T6A40L
40	9-117598	1	• WEDGE, PIN W2P
41	9-156157	1	• SOCKET (8-10 AWG), SOLID
42	9-156182	1	• CONNECTOR ASSEMBLY 1F, DTHD
43	9-156181	1	• CONNECTOR ASSEMBLY 1M, DTHD
44	9-156168	1	• PIN (8-10 AWG), SOLID
45	9-156162	15	• SOCKET, 10-WAY
46	9-164551	65	• CAVITY PLUG, JPT
47	9-156173	6	• TERMINAL FEMALE (2.5-1.5 mm <sup>2</sup> ), JPT
48	9-156174	66	• TERMINAL FEMALE (1.0-0.5 mm <sup>2</sup> ), JPT
49	9-156215	4	• TERMINAL, M5 RING (5.0 mm <sup>2</sup> )
50	9-126808	35	• TERMINAL FEMALE (2.0-0.8 mm <sup>2</sup> ), FASTIN-FASTON
51	9-156160	1	• CONNECTOR 2F, AMP
52	9-156102	25	• TERMINAL FEMALE (5.0-3.0 mm <sup>2</sup> ), PACK-CON
53	9-156103	5	• FUSEBLOCK
54	9-156110	12	• TERMINAL FEMALE (2.0-1.0 mm <sup>2</sup> ), PACK-CON
55	9-156111	1	• TERMINAL FEMALE (0.8-0.5 mm <sup>2</sup> ), PACK-CON
56	9-156105	1	• CONNECTOR 2M, W/P
57	9-156165	1	• SOCKET, RELAY
58	9-199144	48	• TERMINAL, 0.187 SRS FASTIN-ON RCPT PH-BR
59	9-164860	1	• CONNECTOR ASSEMBLY, 12F CANNON TRIDENT
60	9-164861	1	• CABLE CLAMP, CANNON TRIDENT
61	9-164862	4	• TERMINAL FEMALE, 18-16GA GOLD CANNON TRIDENT
62	9-163021	2	• RESISTOR
63	9-156125	6	• PLUG CAVITY 1W, 150 M/P
64	9-156129	2	• TPA, 5W 150 M/P
65	9-156130	1	• CONNECTOR 5M, 150 M/P
66	9-156143	1	• CONNECTOR 5F, 150 M/P
67	9-124365	4	• FEMALE TERMINAL SEALED (1.0-0.5 mm <sup>2</sup> ), 150 M/P
68	9-117584	2	• W8P WEDGE, PLUG
69	9-117582	2	• CONNECTOR ASSEMBLY 8M, DT
70	9-156219	2	• TERMINAL, M8 RING (5.0 mm <sup>2</sup> )
71	9-921734	1	• POWER RELAY W/DIODES
72	9-156202	2	• FUSE, ATO, 5A
73	9-156203	8	• FUSE, ATO, 10A
74	9-156204	1	• FUSE, ATO, 15A

5.4 Glow Plug Harness Assembly

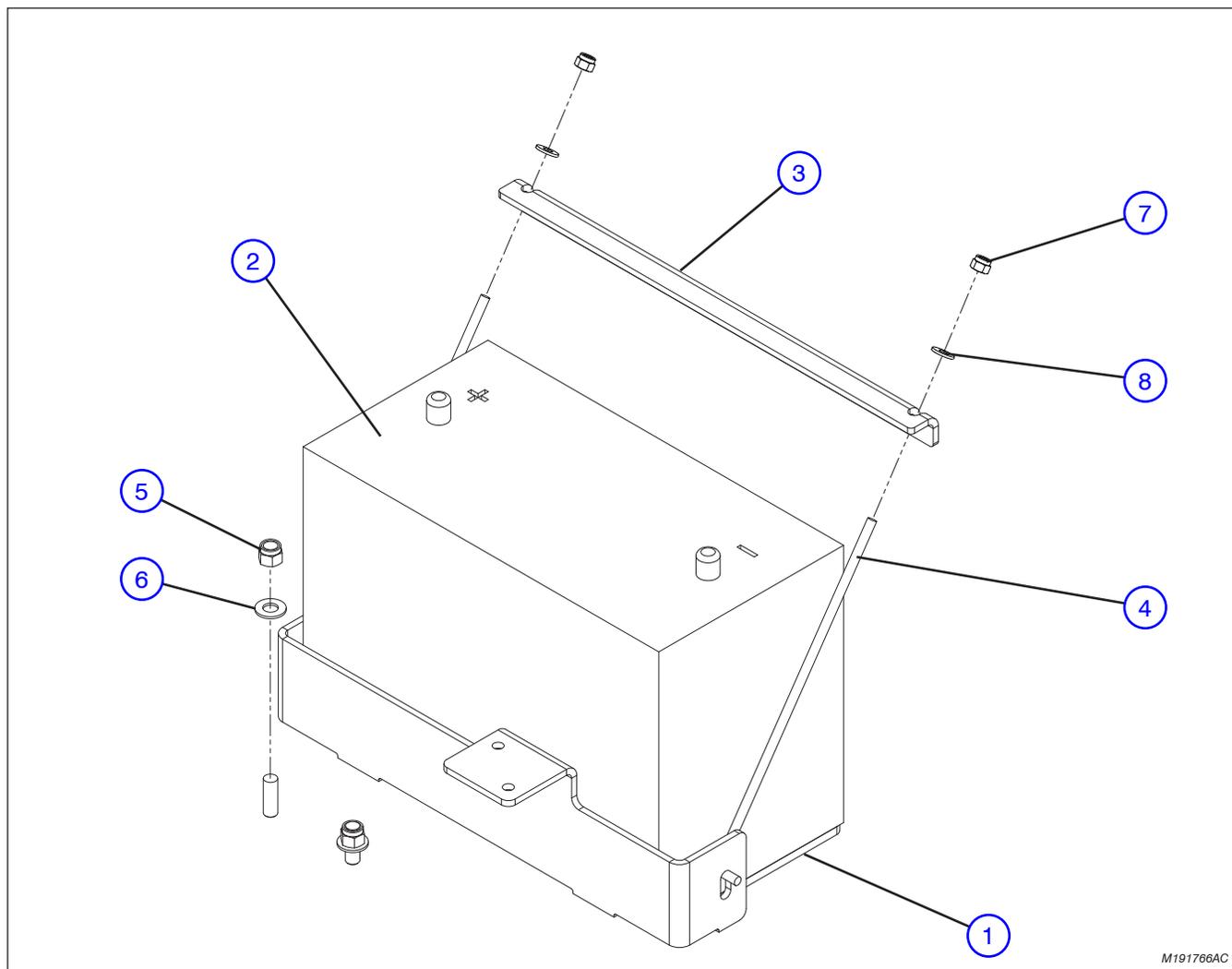


M191468AA M191469AA M191470AA

## 5.4 Glow Plug Harness Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191468	1	ASSEMBLY, GLOW PLUG HARNESS
-	9-191469	1	• HARNESS, Glow plug relay TCD 2.9L
1	9-124399	76	• • WIRE Protector
2	9-138846	2	• • TERMINAL, 8-10 AWG non-insulated
3	9-126808	2	• • TERMINAL, 14-18 AWG L
4	9-117578	1	• • CONNECTOR, Receptacle 4-pin
5	9-117580	1	• • CONNECTOR, Receptacle 4-pin wedge
6	9-117590	3	• • CONNECTOR, Contact pin 16-18
7	9-117594	1	• • CONNECTOR, Sealing plug
8	9-166531	1	• • TERMINAL, 8 AWG #10 ring non-insulated
9	9-139158	1	• • SPLICE, Parallel 6 AWG non-insulated
10	9-113584	6.5	• • HEATSHRINK, 1/2" black
11	9-165050	1	• • CONNECTOR, 2F tyco
12	9-165051	2	• • TERMINAL, Female
13	9-165052	2	• • WIRE SEAL, Orange
14	9-113719	30	• • TIEWRAP, 3-5/8" black
15	9-166530	1.5	• • HEATSHRINK, 1/2" white
16	9-120748	76	• • WIRE PROTECTOR,
17	9-802043	78	• • WIRE, Black 18 AWG (11)
18	9-802043	78	• • WIRE, Black 18 AWG (11A)
19	9-126134	7	• • WIRE, Red TEW 8 AWG (11B)
20	9-126134	76	• • WIRE, Red TEW 8 AWG (11C)
21	9-105787	6	• • WIRE, Red TEW 10 AWG 07 BC (11C)
22	9-124396	154	• • WIRE, Red TEW 18 AWG (11C)
23	9-165029	1	• RELAY, 150A 12V SPST
24	9-165030	1	• HOLDER, Fuse inline MIDI
25	9-165031	1	• FUSE, 100A bolt-down
-	9-191470	1	• ASSEMBLY, Glow plug power wire
26	9-165035	1	• • TERMINAL, 8AWG 5/16" ring non-insulated
27	9-126134	72"	• • WIRE, Red TEW 8AWG
28	9-166530	3	• • HEATSHRINK, 1/2" white
29	9-166531	1	• • TERMINAL, 8AWG #10 ring non-insulated

## 5.5 Battery Assembly



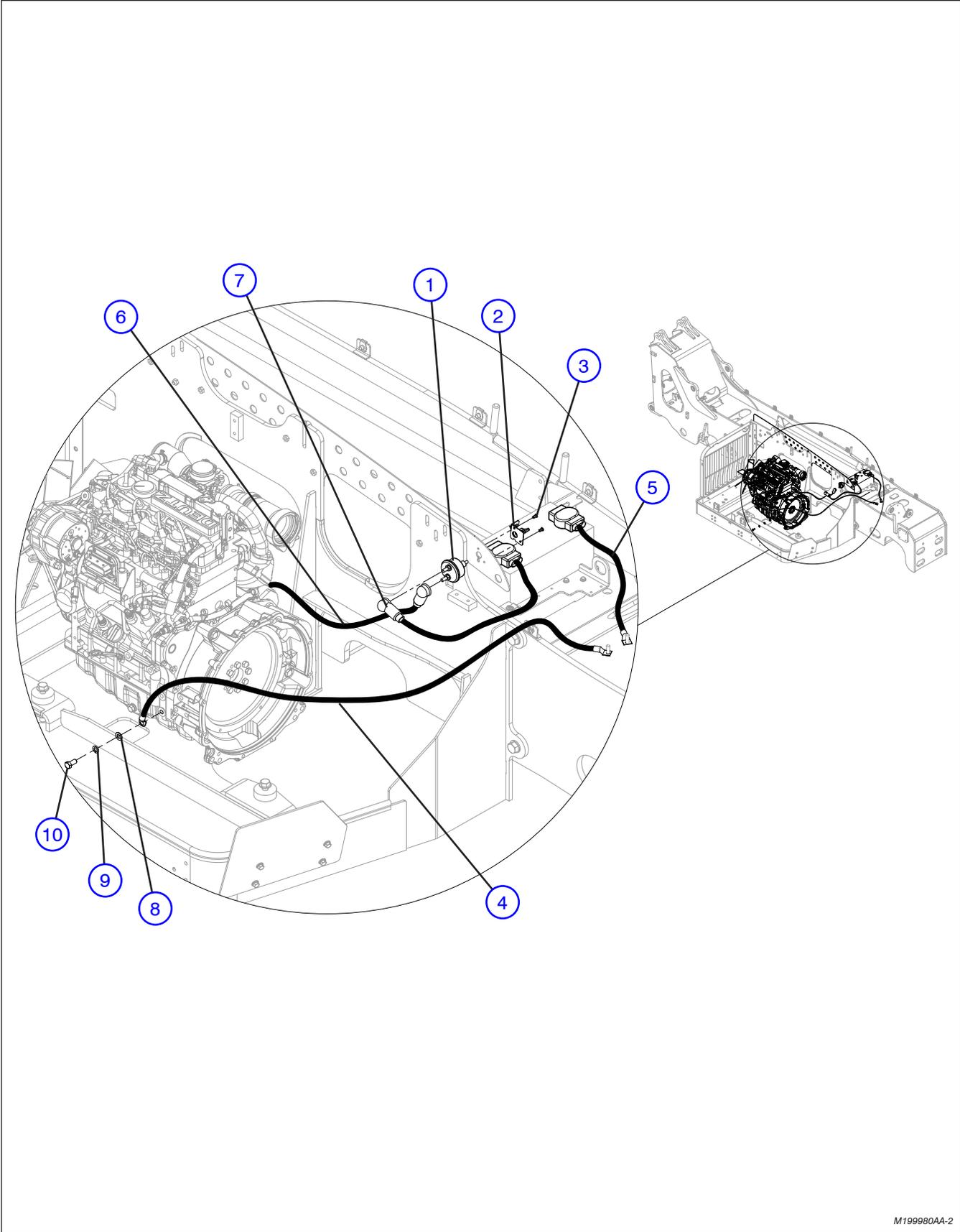
M191766AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-191766	1	ASSEMBLY, BATTERY
1	9-157464	1	• PAD, Battery
2	9-144676	1	• BATTERY, 950 CCA 195 RC 12V post
3	9-150959	1	• BRACKET, Arctic battery retainer
4	9-128572	1	• BATTERY hold down
5	9-104606	2	• NUT, Lock with nylon insert 3/8"-16 grade 5
6	9-103472	2	• WASHER, Flat 3/8" SAE
7	9-115649	2	• NUT, Lock 1/4"-20 grade 5, nylon insert
8	9-103995	2	• WASHER, Flat 1/4"



5.6 Battery Disconnect Assembly

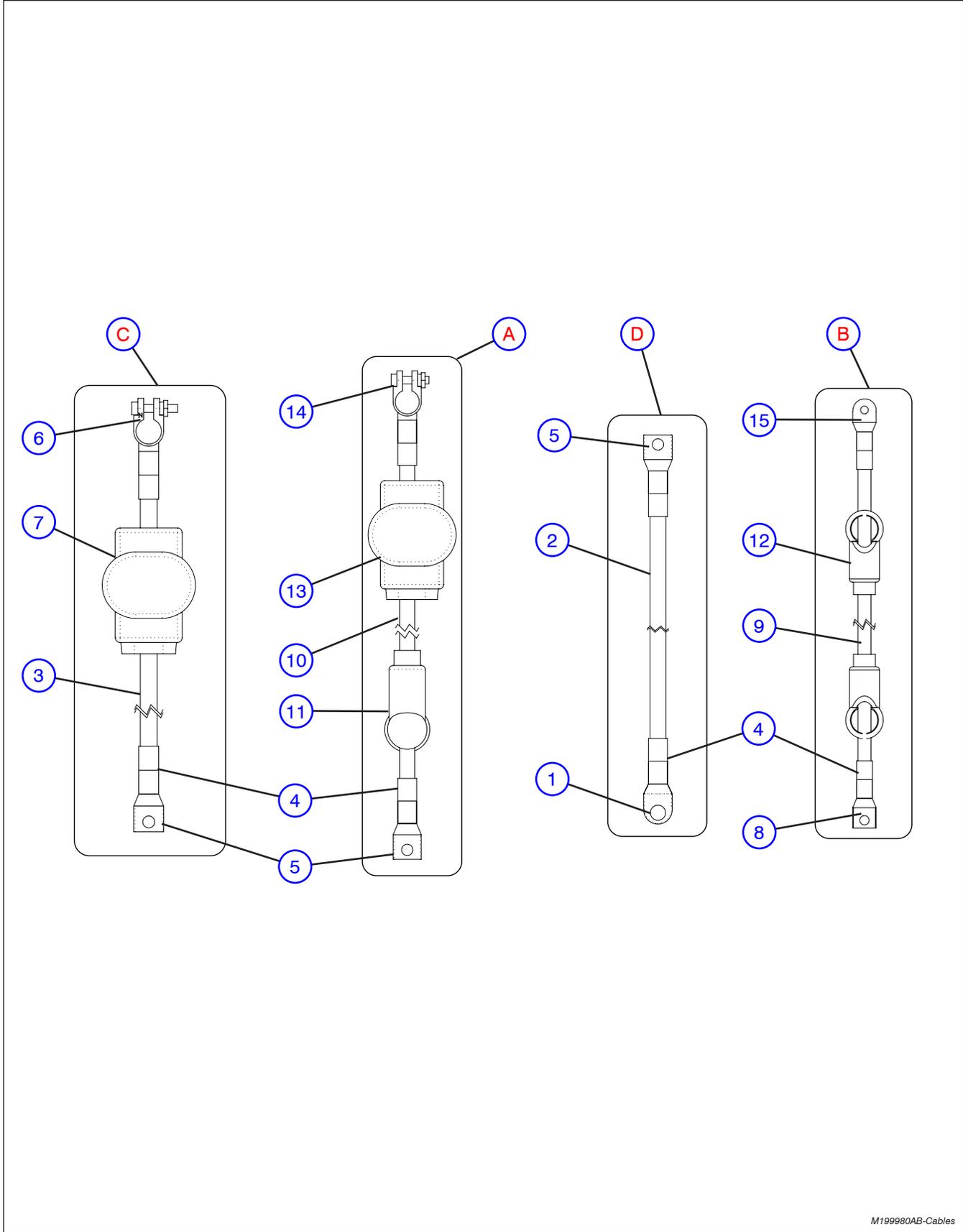
AB



M199980AA-2

## 5.6 Battery Disconnect Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-199980	1	ASSEMBLY, BATTERY DISCONNECT
1	9-119725	1	<ul style="list-style-type: none"> <li>• SWITCH - MAIN LOCKOUT</li> </ul>
2	9-108714	1	<ul style="list-style-type: none"> <li>• MOUNT, Lock-out switch</li> </ul>
3	9-157756	2	<ul style="list-style-type: none"> <li>• RIVET, 3/16" x 0.45 long, steel</li> </ul>
4	(Ref.)	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Cable weld # 2/0 3/8" x 72" x 1/2" (00,00) (For components, refer to Section 5.7)</li> </ul>
5	(Ref.)	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Cable weld # 2/0 post 5/16" x 26" x 3/8" (00,00) (For components, refer to Section 5.7)</li> </ul>
6	(Ref.)	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Cable # 2/0 3/8" x 42" x 5/16" (03, 03) (For components, refer to Section 5.7)</li> </ul>
7	(Ref.)	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Cable # 2/0 post 3/8" x 20" x 5/16" (+B,03) (For components, refer to Section 5.7)</li> </ul>
8	9-933817	1	<ul style="list-style-type: none"> <li>• WASHER, Flat M12 CL 200 Y</li> </ul>
9	9-600549	1	<ul style="list-style-type: none"> <li>• WASHER, Lock M12-Plated DIN 127B</li> </ul>
10	9-152324	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head M12 X 1-3/4" x 25mm grade 8.8 zinc plated</li> </ul>

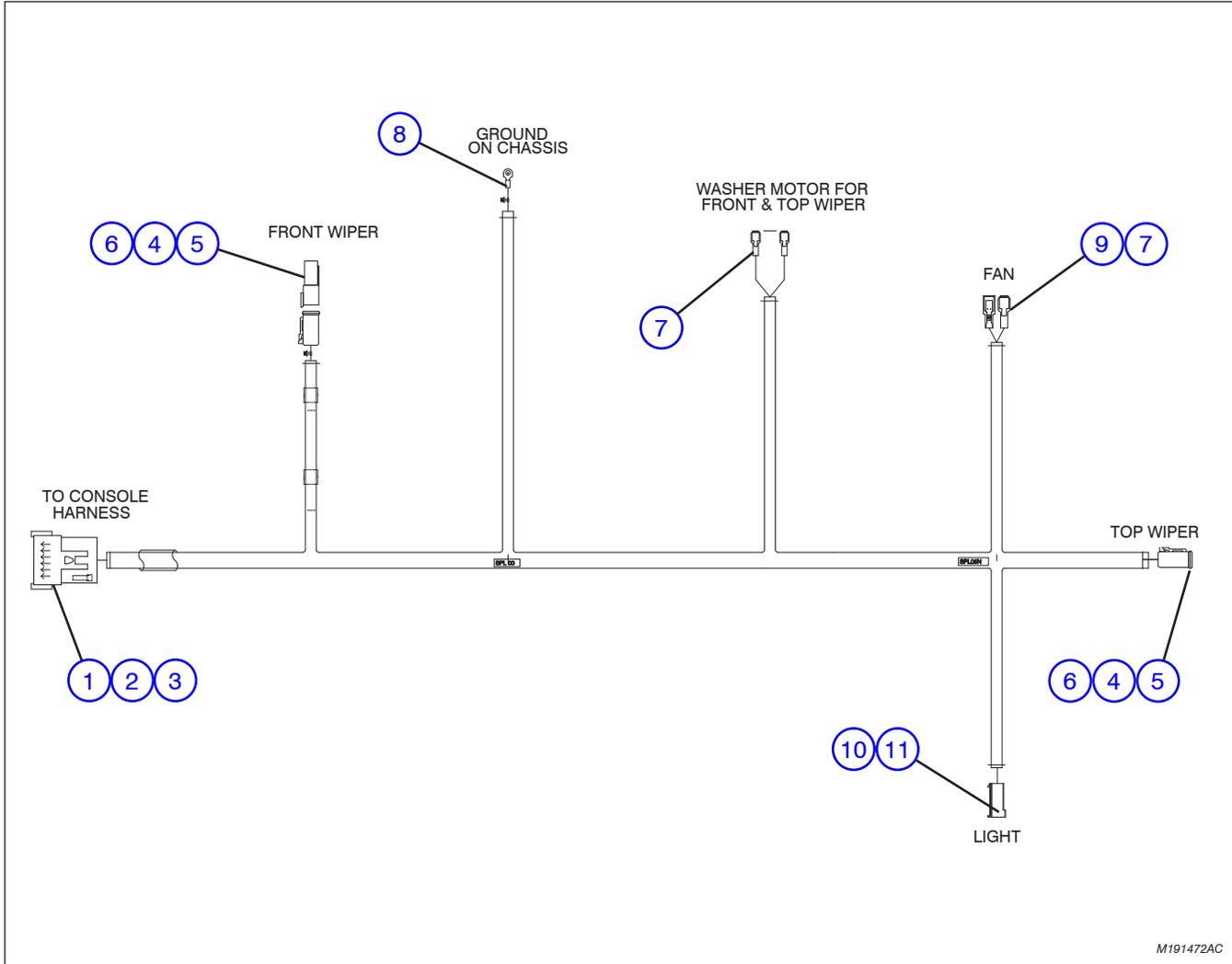


M199980AB-Cables

## 5.7 Battery Cables Assembly

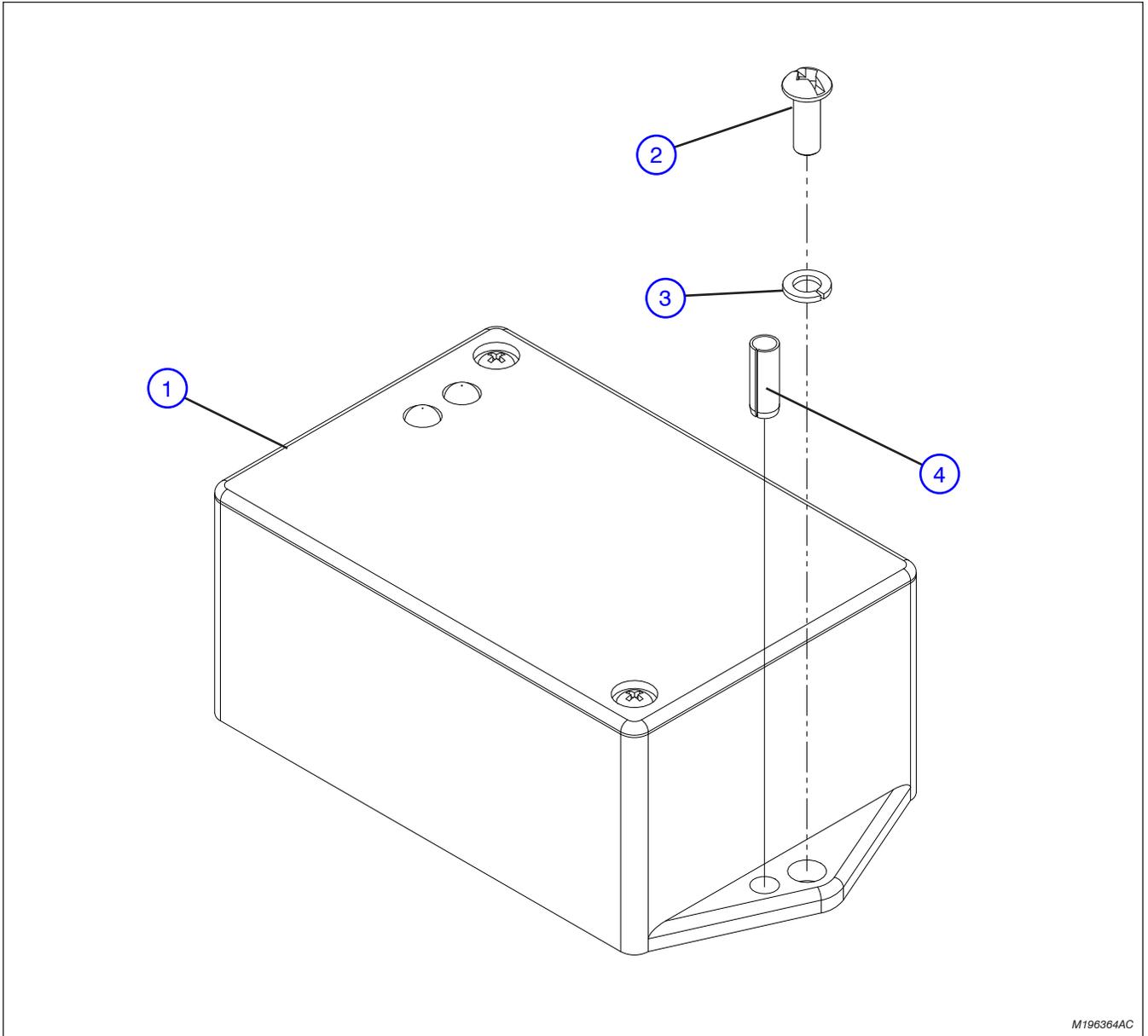
Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	9-204032	1	• ASSEMBLY, Cable #2/0 POST 3/8"X20"X5/16" (+B,03)
<b>B</b>	9-204057	1	• ASSEMBLY, Cable #2/0 3/8"X42"X5/16" (03, 03)
<b>C</b>	9-204063	1	• ASSEMBLY, Cable weld #2/0 POST5/16"X26"X3/8"(00,00)
<b>D</b>	9-204064	1	• ASSEMBLY, Cable weld #2/0 3/8"X72"X1/2" (00,00)
1	9-163811	1	• • TERMINAL - RING#2 WIRE 1/2" STUD - <b>D</b>
2	9-139029	72	• • WELDING CABLE #2/0 BLACK - <b>D</b>
3	-	26	• • WELDING CABLE #2/0 BLACK - <b>C</b>
4	9-139035	3	• • HEATSHRINK 1" CLEAR - <b>A, B, C, D</b>
5	9-139034	1	• • TERMINAL - #2/0 3/8" DIA - <b>A, C, D</b>
6	9-139031	1	• • BATTERY POST CLAMP #2/0 NEGATIVE - <b>C</b>
7	9-191822	1	• • TERMINAL PROTECTOR, MILITARY STYLE RED - <b>C</b>
8	9-139033	1	• • TERMINAL - #2/0 5/16" DIA - <b>B</b>
9	9-139028	42	• • WELDING CABLE #2/0 RED - <b>B</b>
10	-	20	• • WELDING CABLE #2/0 RED - <b>A</b>
11	9-139105	1	• • TERMINAL BOOT #2/0 RED (5737-005R) - <b>A</b>
12	-	2	• • TERMINAL BOOT #2/0 RED (5737-005R) - <b>B</b>
13	9-191821	1	• • TERMINAL PROTECTOR, MILITARY STYLE RED - <b>A</b>
14	9-139030	1	• • BATTERY POST CLAMP #2/0 POSITIVE - <b>A</b>
15	9-209025	1	• • TERMINAL - #2/0 5/16" DIA Round lug - <b>B</b>

### 5.8 Enclosed Cab Harness Assembly



Index No.	Skyjack Part No.	Qty.	Description
-	9-191472	1	HARNESS, TH ENCLOSED CAB
1	9-117584	1	• PLUG, W8P wedge
2	9-117582	1	• CONNECTOR, Assembly 8M, DT
3	9-117590	8	• CONNECTOR, Contact pin 16-18
4	9-117579	2	• CONNECTOR, Assembly 4F, DT
5	9-117581	2	• WEDGE, Socket
6	9-117591	8	• SOCKET, (16-18 AWG), Solid
7	9-105359	3	• TERMINAL, Female disc. insulated (14-16 GA)
8	9-156222	1	• TERMINAL, M10 ring (5.0 mm <sup>2</sup> )
9	9-191473	1	• TERMINAL, Female bullet 16-14 AWG
10	9-191474	1	• CONNECTOR, AMP 2 WAY
11	9-191475	2	• PIN, AMP mini 16-20 AWG

### 5.9 Tilt Sensor Assembly



M196364AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-196364	1	ASSEMBLY, TILT SENSOR
1	9-196287	1	• SENSOR, Tilt - digital, 4°
2	9-103957	2	• SCREW, Round head machine 8-32 x 1/2"
3	9-112249	2	• WASHER, Lock #8
4	9-157825	1	• PIN, spring 5/32" x 1/2"

### 5.10 Jumper Harness Assembly

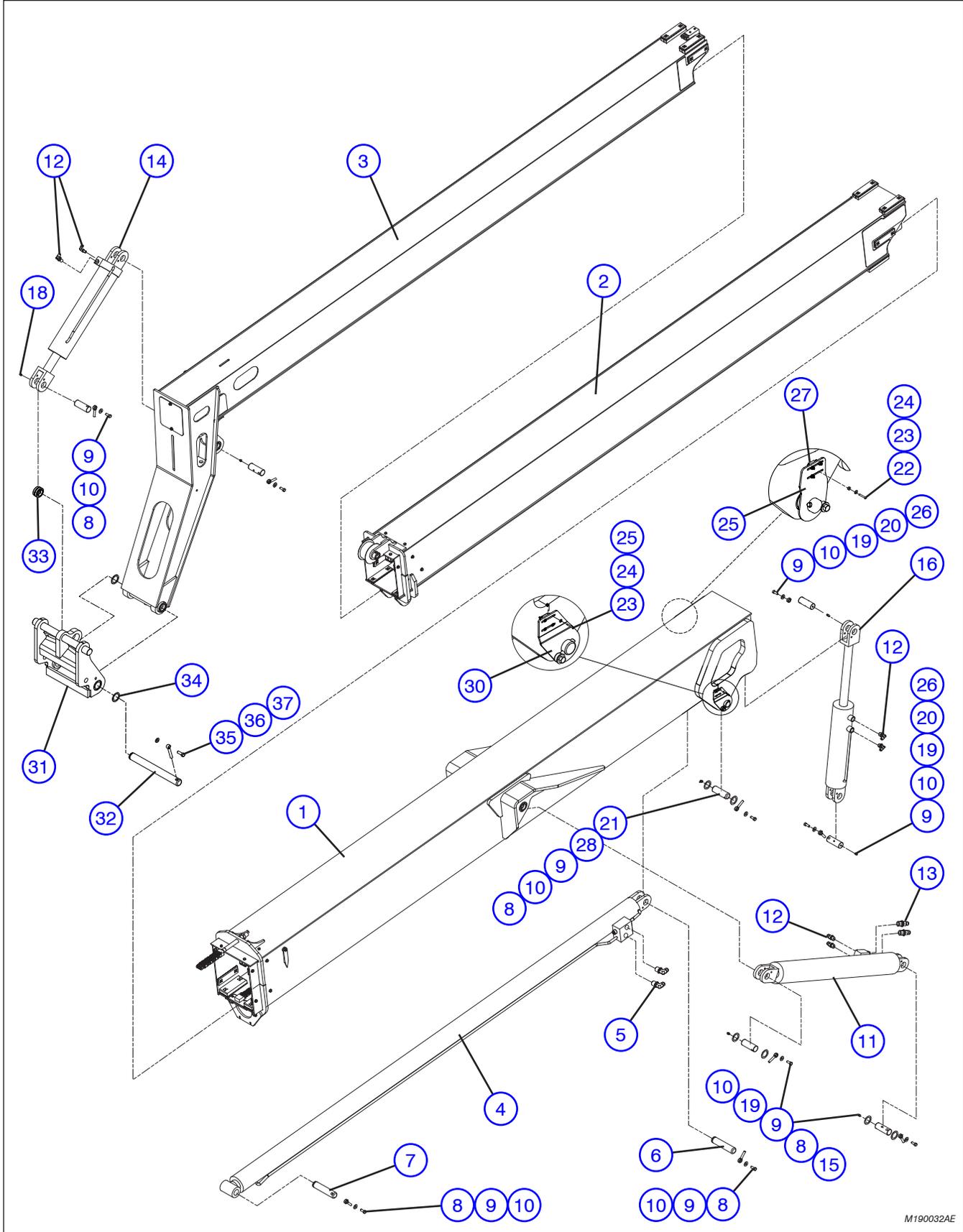


M196292AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-196292	1	HARNES, TH 643/843 JUMPER
1	9-196295	2	• CONNECTOR, Female 280 M/P sealed 3 cavity
2	9-196294	2	• TERMINAL, MP 280 sealed 3 cavity
3	9-196296	2	• TERMINAL, Female 280 M/P sealed 18-16GA
4	9-196298	2	• SEAL, M/P 280 sealed 16-14
5	9-156104	4	• PLUG CAVITY, 1W M/P 280 & W/P

- 6.1 Boom Assembly
- 6.2 First Boom Assembly
- 6.3 Second Boom Assembly
- 6.4 Third Boom Assembly
- 6.5 Auxiliary Hydraulics
- 6.6 Extend Cylinder Assembly
- 6.7 Lift Cylinder Assembly
- 6.8 Fork Tilt Cylinder Assembly
- 6.9 Tilt Comp Cylinder Assembly
- 6.10 Frame Level Cylinder Assembly

6.1 Boom Assembly

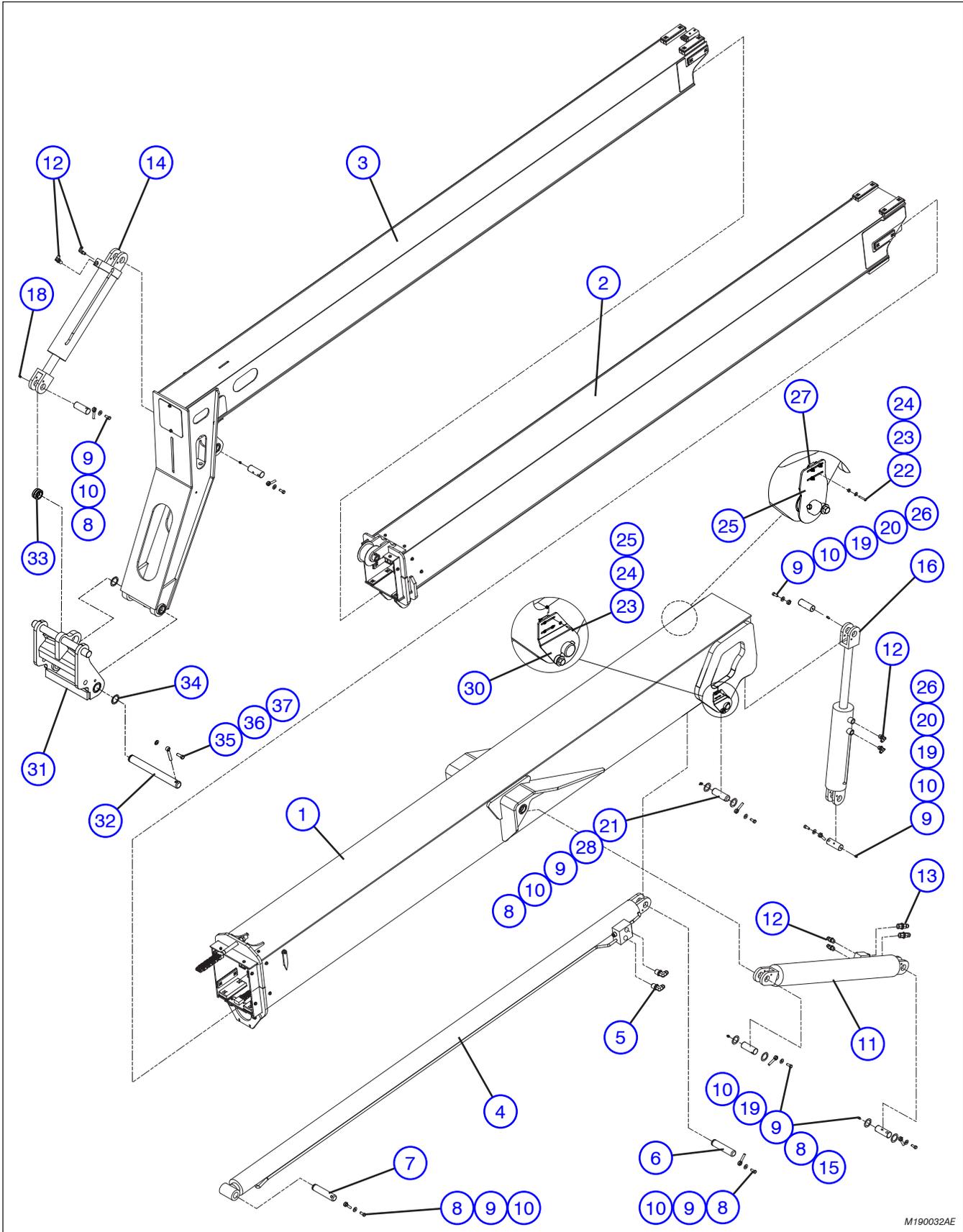


M190032AE

## 6.1 Boom Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-190032	1	SUBGROUP, BOOM 643/843
-	9-190213	1	• ASSEMBLY, BOOM 643/843
1	(Ref.)	1	• • ASSEMBLY, FIRST BOOM (For components, refer to Section 6.2)
2	(Ref.)	1	• • ASSEMBLY, SECOND BOOM (For components, refer to Section 6.3)
3	(Ref.)	1	• • ASSEMBLY, THIRD BOOM (For components, refer to Section 6.4)
4	9-190045	1	• • • CYLINDER, Extend 115B
5	9-105445	2	• • • FITTING, 90° (12 JICM 12 ORBM)
6	9-190018	1	• • PIN, 1-3/4" DIA x 4-7/8" long
7	9-190029	1	• • PIN, 1-3/4" DIA x 7-7/8" long
8	9-191232	12	• • PIN, Anchor
9	9-103468	13	• • WASHER, 17/32" DIA x 1-1/4" OD x 1/8" zinc
10	9-169942	12	• • BOLT, Hex head 1/2"-13 x 1-1/4" grade 8 zinc
-	9-190510	2	• ASSEMBLY, Lift cylinder 130B
11	9-190039	2	• • CYLINDER, Lift 130B
12	9-114583	8	• • FITTING, 90° (08 JICM 08 ORBM)
13	9-144279	2	• FITTING, (8 SAE to 12 JIC)
-	9-190511	1	• ASSEMBLY, Fork tilt cylinder
14	9-190043	1	• • CYLINDER, Fork tilt 120B
15	9-196544	4	• SPACER, Lift cylinder
-	9-190513	1	• ASSEMBLY, Tilt comp cylinder
16	9-190040	1	• • CYLINDER, Tilt comp 120B
17	9-700510	2	• FITTING, Grease 90°
18	9-102027	4	• FITTING, Grease straight
19	9-191866	7	• PIN, 1-3/4" DIA x 4-3/4" long
20	9-197449	1	• PLUG 1/2" WIDE FLANGE
21	9-931687	12	• WASHER, Thrust
22	9-103956	8	• SCREW, Round head machine 6-32 x 1"
23	9-196306	8	• NUT, Lock with nylon insert 6-32 grade 5
24	9-191833	24	• WASHER, Flat #6
			<a href="#">Part list continued in following page</a>

6.1 Boom Assembly - Continued

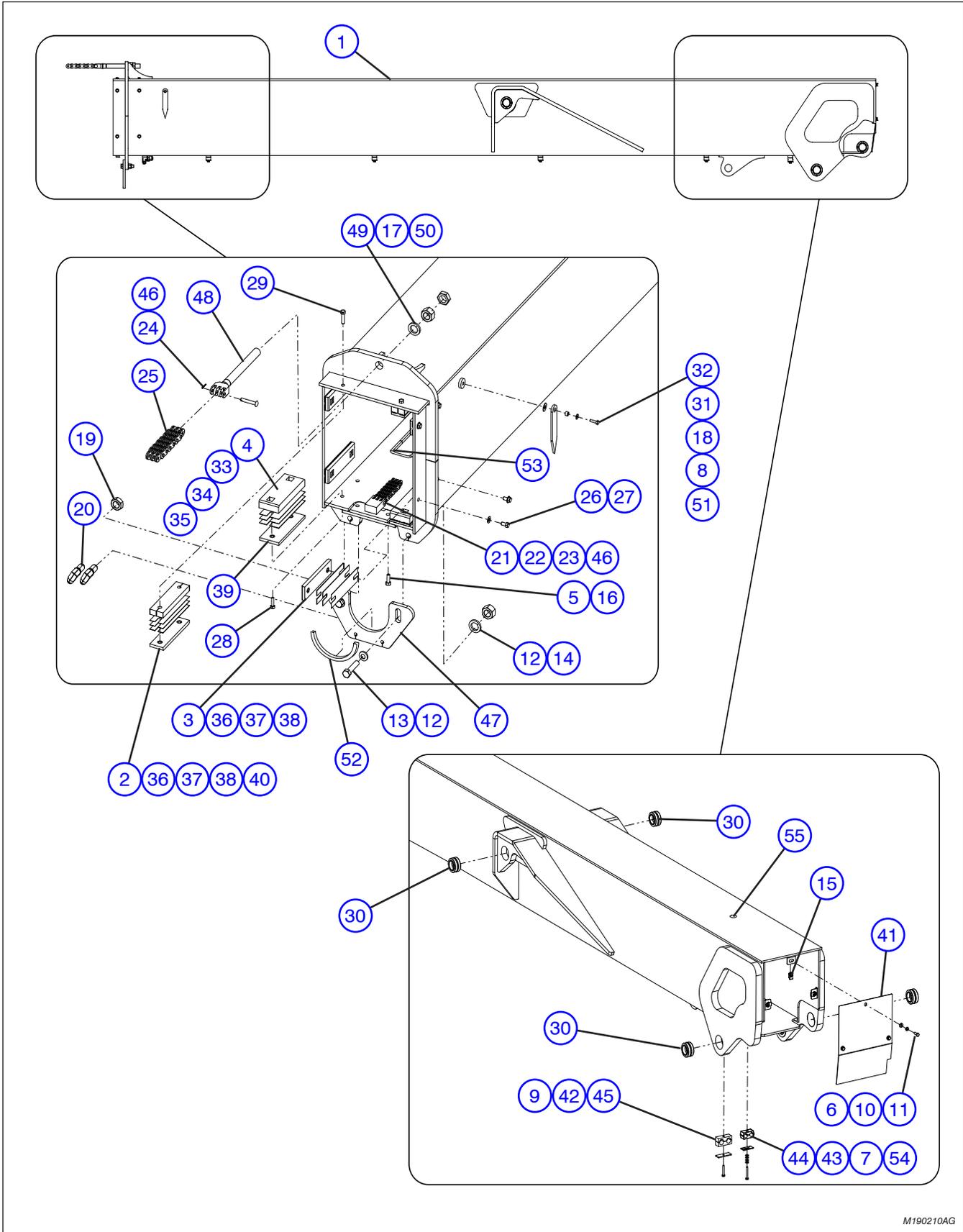


M190032AE

## 6.1 Boom Assembly - Continued

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from previous page
25	9-190548	1	• PLATE, Sensor mount 70
26	9-191741	1	• PIN, 1-3/4" DIA X 5-3/16" long
27	9-190547	2	• SENSOR, Inductive proxi - mm
28	9-190214	2	• PIN, 1-3/4" DIA X 5-3/16" long
29	9-196208	1	• PLATE, sensor mount 40
30	9-132565	10	• CAP, Grease GC5 (Not Shown)
-	9-190456	1	QA ATTACHMENT SUBGROUP
31	9-190016	1	• WELDMENT, Apron
32	9-190017	1	• PIN, 1.993" DIA x 18-1/2" long
33	9-920767	1	• BEARING, Spherical
34	9-931602	2	• WASHER, Thrust
35	9-100352	1	• WASHER, Flat 5/8"
36	9-148944	1	• BOLT, Hex head patch 5/8"-11 x 1-3/4" grade 8
37	9-146898	1	• PIN, Keeper 5/8"

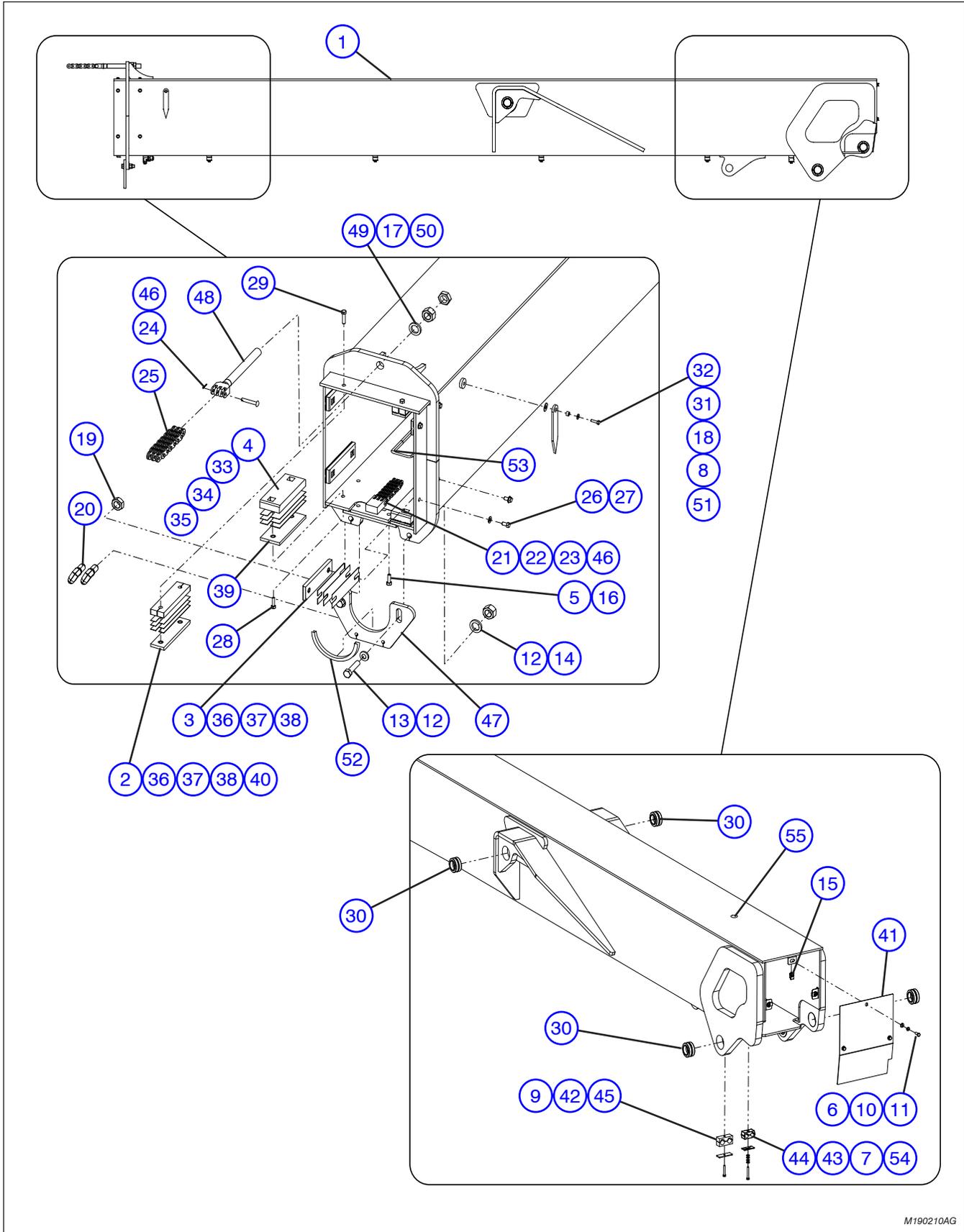
## 6.2 First Boom Assembly



M190210AG

Index No.	Skyjack Part No.	Qty.	Description
1	9-190144	1	WELDMENT, 1ST BOOM 643/843
-	9-190210	1	ASSEMBLY, 1ST BOOM (643/843)
2	9-191268	2	• WEAR PAD, Black 12cm X 50cm X 190cm
3	9-191266	4	• WEAR PAD, 12cm X 50cm X 190cm
4	9-191267	2	• WEAR PAD, Black 27cm X 75cm X 190cm
5	9-139005	2	• BOLT, Hex head patch 1/2"-13 X 1" grade 5
6	9-103999	3	• WASHER, Lock 3/8"
7	9-103866	1	• BOLT, Hex head 5/16"-18 X 2-1/4" grade 5
8	9-103857	1	• BOLT, Hex head 1/4"-20 X 1" grade 5
9	9-103885	5	• BOLT, Hex head 5/16"-18 X 1-3/4" grade 5
10	9-125959	3	• WASHER, Flat 3/8" SAE hard
11	9-103473	3	• BOLT, Hex head 3/8"-16 X 1" grade 5
12	9-100352	4	• WASHER, Flat 5/8" SAE
13	9-100844	2	• BOLT, Hex head 5/8"-11 X 2- 3/4" grade 8
14	9-111577	2	• NUT, Lock nylon 5/8"-11 grade 5
15	9-159294	3	• NUT, Speed clip 3/8"-16
16	9-104379	2	• WASHER, Flat 1/2" SAE hard
17	9-932724	1	• WASHER, Flat
18	9-103995	1	• WASHER, 5/16" ID x 3/4" OD x 1/16" zinc
19	9-154242	2	• NUT, Bulkhead - 08 JIC
20	9-154241	2	• FITTING, 90° Bulkhead (08 JICM - 08 JICM)
21	9-191228	1	• PIN, Anchor BL666
22	9-191199	1	• WELDMENT, Retract anchor BL666
23	9-191116	1	• CHAIN, Retract BL666, 843
24	9-930127	1	• PIN, Anchor 3/8
25	9-190220	1	• CHAIN, Extend BL866, 843
26	9-101632	8	• BOLT, Hex head 3/8"-16 X 3/4" grade 5
27	9-103472	20	• WASHER, 13/32" ID x 13/16" OD x 1/16" zinc
28	9-101297	4	• BOLT, Hex head, 3/8"-16 X 1-1/4" grade 5
29	9-280945	4	• BOLT, Hex head 3/8"-16 X 1-5/8" grade 5
30	9-920767	5	• BEARING, Spherical
			<a href="#">Part list continued in following page</a>

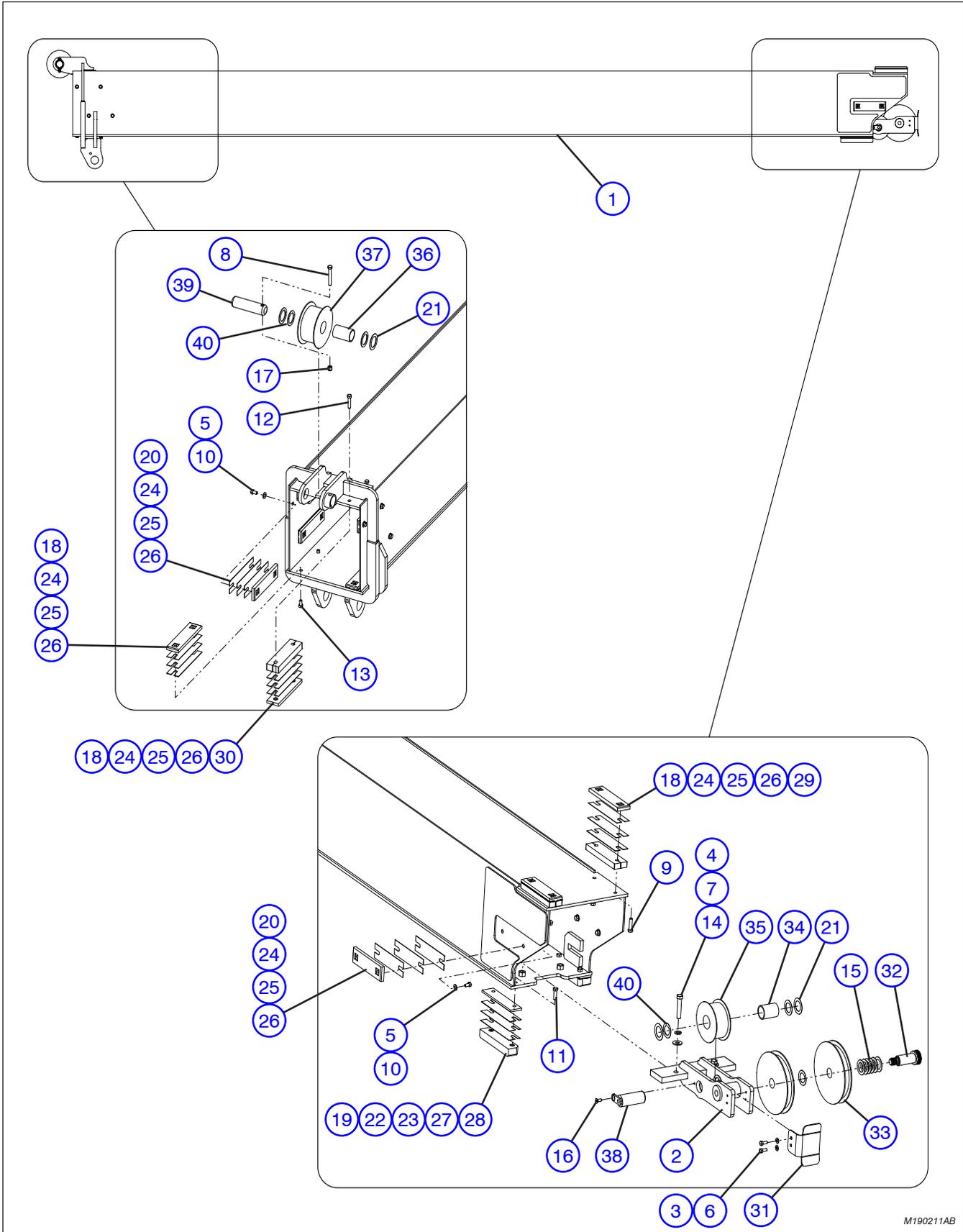
6.2 First Boom Assembly - Continued



M190210AG

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page
31	9-190545	1	• SPACER, Plastic 1/2" OD X 5/16" long X 1/4" ID
32	9-190019	1	• PLATE, Angle indicator
33	9-930195	2	• PLATE, SHIM
34	9-920273	2	• PLATE, SHIM
35	9-920274	2	• PLATE, SHIM
36	9-926177	6	• PLATE, SHIM
37	9-926942	6	• PLATE, SHIM
38	9-927040	6	• PLATE, SHIM
39	9-190215	2	• PLATE, Spacer 1/4"
40	9-190021	2	• PLATE, Spacer 3/4"
41	9-190143	1	• COVER, Boom
42	9-932673	5	• PLATE, Cover
43	9-190217	1	• PLATE, Cover 4D
44	9-199907	1	• CLAMP, Twin #12
45	9-199762	5	• CLAMP, Twin #08
46	9-933615	2	• PIN, Cotter
47	9-191311	1	• PLATE, Cylinder support
48	9-191312	1	• ANCHOR, Threaded chain BL866
49	9-107947	1	• NUT, Hex head jam 1-14 grade 5
50	9-411959	1	• NUT, Hex 1-14 grade 8 zinc DICH
51	9-191841	1	• SPACER. 17/32" ID X 1" OD X 22 GA
52	9-119922	9"	• PROTECTIVE TRIM, 1/4 - 1/2"
53	9-119922	15"	• PROTECTIVE TRIM, 1/4 - 1/2"
55	9-103996	4	• WASHER, Flat 5/16" SAE
56	9-212450	2	• PLUG, Plastic 3/4" x 7/16"

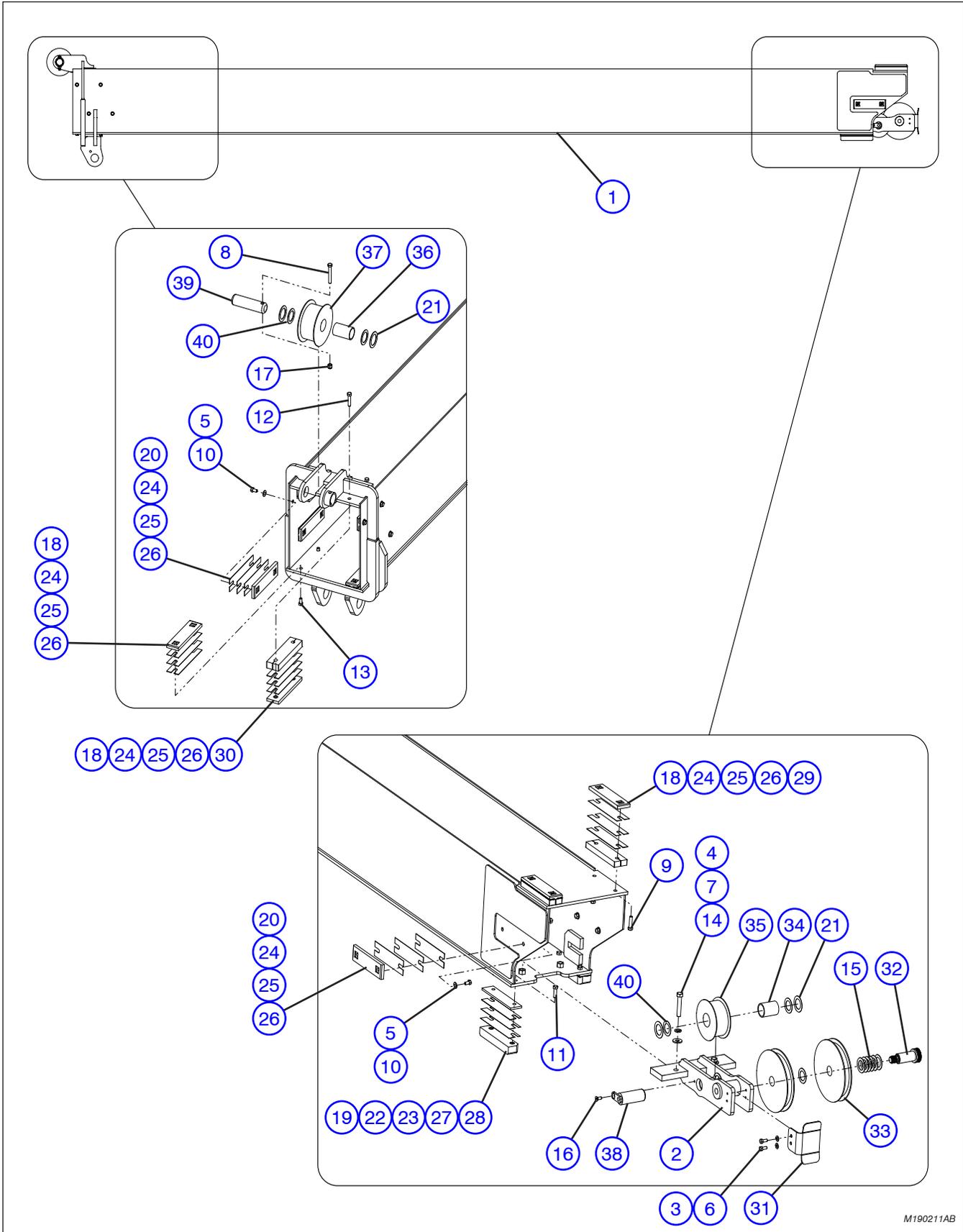
### 6.3 Second Boom Assembly



M190211AB

Index No.	Skyjack Part No.	Qty.	Description
1	9-190145	1	WELDMENT, Second Boom, 643/843
-	9-190211	1	ASSEMBLY, Second Boom 643/843
2	9-191099	1	• WELDMENT, Finger
3	9-103996	2	• WASHER, Flat 5/16" SAE
4	9-104379	2	• WASHER, Flat 1/2" SAE Hard
5	9-103472	36	• WASHER, Flat 3/8" SAE
6	9-103887	2	• BOLT, Hex head 5/16"-18 X 3/4" Grade 5
7	9-123855	2	• BOLT, Hex head 1/2"-13 X 2-3/4" Grade 8
8	9-103874	1	• BOLT, Hex head 3/8"-16 X 2-3/4" Grade 5
9	9-208945	4	• BOLT, Hex head 3/8"-16 X 1-5/8" Grade 5
10	9-138464	12	• BOLT, Hex head 3/8"-16 X 5/8" Grade 5
11	9-101297	4	• BOLT, Hex head 3/8"-16 X 1-1/4" Grade 5
12	9-103871	4	• BOLT, Hex head 3/8"-16 X 1-3/4" Grade 5
13	9-300437	4	• BOLT, Hex head 3/8"-16 X 7/8" Grade 5
14	9-126286	2	• WASHER, Lock 1/2" Grade 8 ADE
15	9-412663	8	• THRUST, Washer
16	9-704642	1	• SCREW, Flat head cap 5/16"-18 x 3/4" Grade 5 ADE
17	9-104606	1	• NUT, Lock with nylon insert, 3/8"-16 Grade 5
18	9-191268	6	• WEAR PAD, 12 mm X 50 mm X 190 mm Black
19	9-191269	2	• WEAR PAD, 27 mm X 45 mm X 190 mm
20	9-191266	6	• WEAR PAD, 12 mm X 50 mm X 190 mm
21	9-191081	4	• THRUST WASHER, 1-1/2" ID X 2-3/16" OD X 1/16" thick
22	9-920271	2	• SHIM, Narrow offset
23	9-926488	2	• PLATE, SHIM
24	9-927040	12	• PLATE, SHIM
25	9-926177	12	• PLATE, SHIM
26	9-926942	12	• PLATE, SHIM
27	9-920272	2	• PLATE, SHIM
28	9-190218	2	• PLATE, Spacer narrow 1/4"
29	9-190021	2	• PLATE, Spacer 3/4"
30	9-190009	2	• PLATE, Spacer 1"
			Part list continued in following page

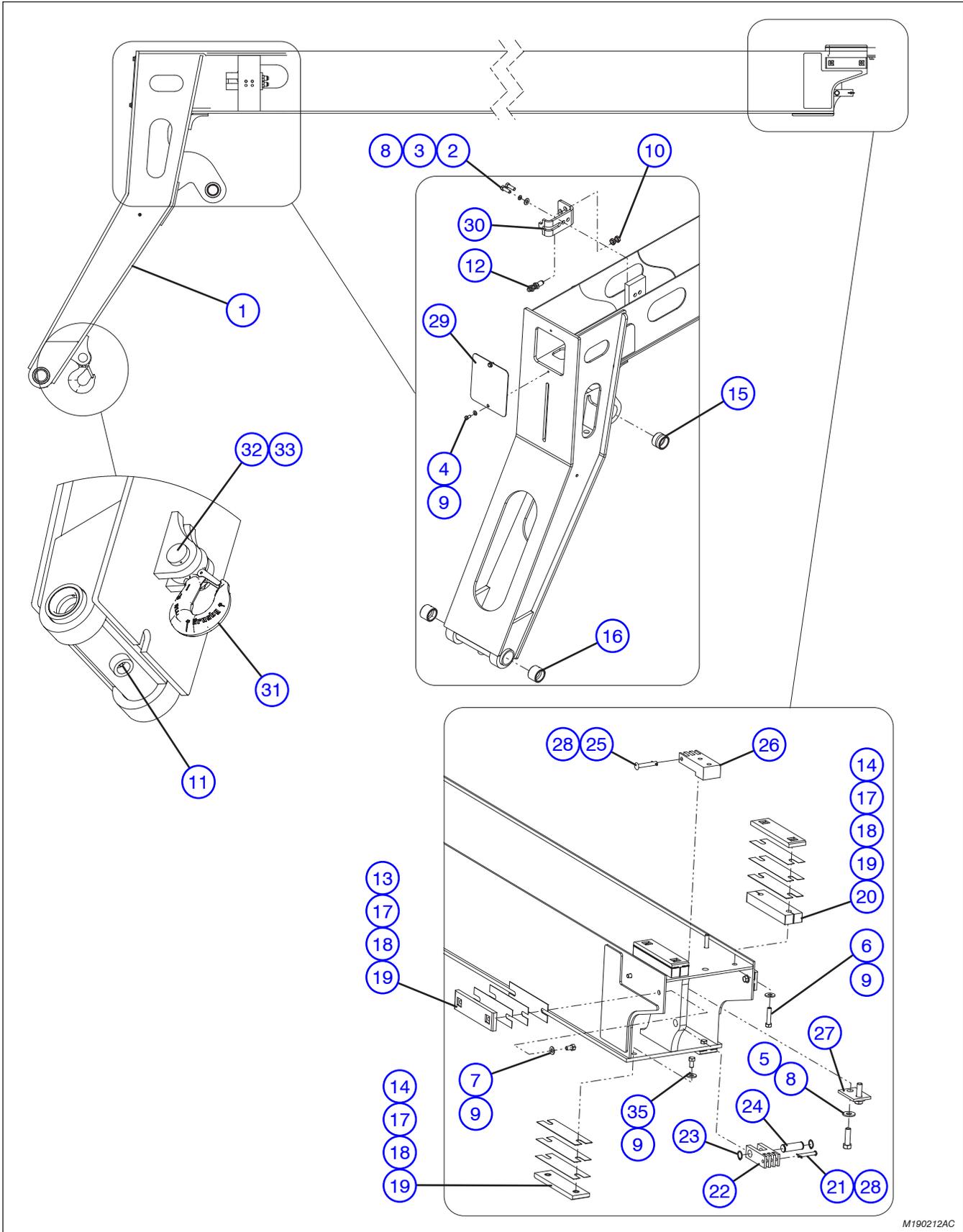
6.3 Second Boom Assembly - Continued



M190211AB

Index No.	Skyjack Part No.	Qty.	Description
			Part list continued from previous page
31	9-191127	1	• BRACKET, Sheave guard
32	9-191097	1	• BOLT, Shoulder 1-1/4" DIA x 2-1/2"
33	9-191115	2	• SHEAVE, Hose
34	9-198872	1	• BEARING, 1-1/2" ID X 1-3/4" OD X 2-1/4" Long
35	9-191313	1	• SHEAVE, Chain BL666
36	9-198871	1	• BEARING, 1-1/2" ID X 1-3/4" OD X 2-3/4" long
37	9-190030	1	• SHEAVE, Chain BL866
38	9-191131	1	• PIN, Weldment 1-1/2" DIA x 3-5/8"
39	9-190031	1	• PIN, 1-1/2" DIA X 5-3/8"
40	9-412664	4	• THRUST, Washer

6.4 Third Boom Assembly

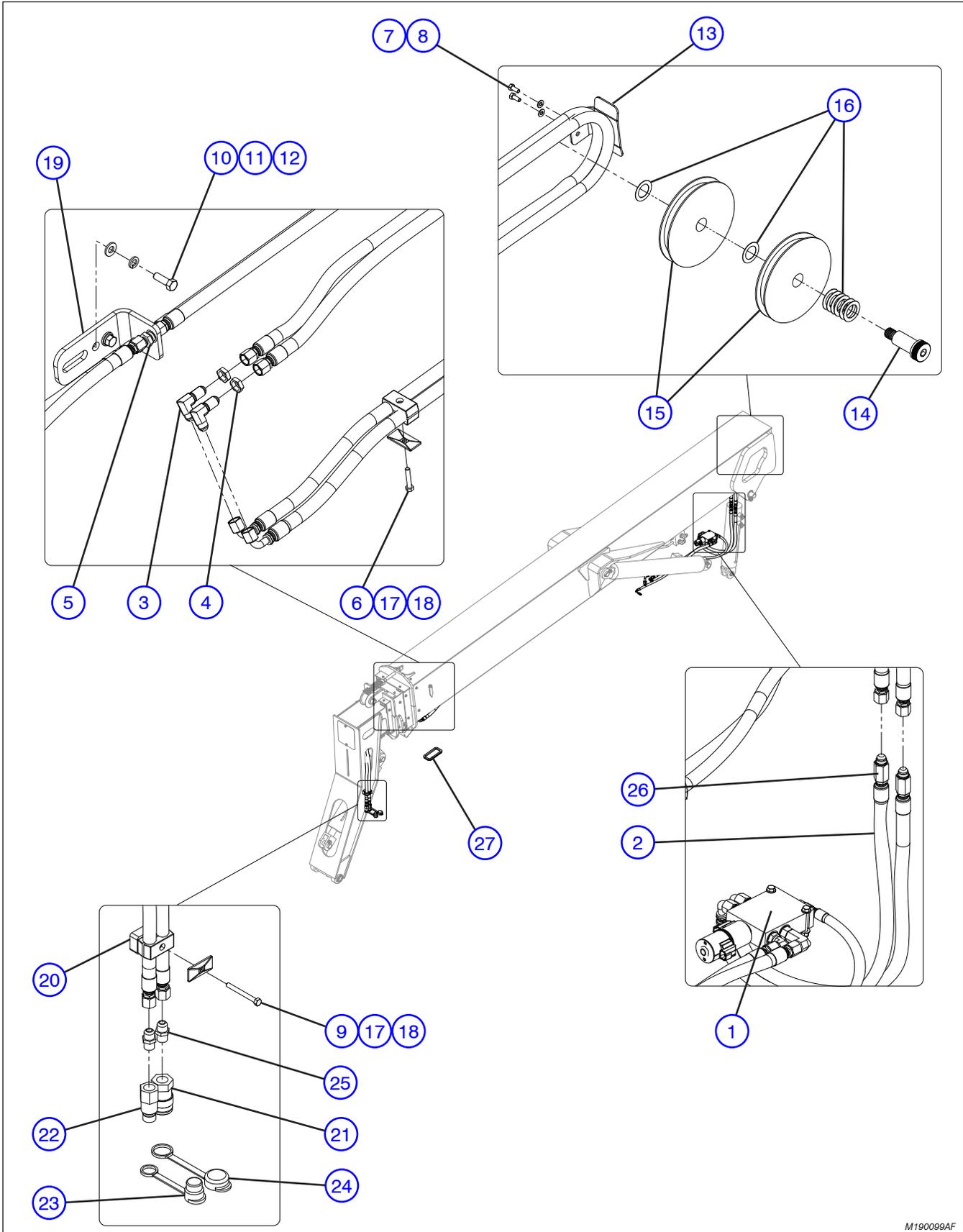


M190212AC

Index No.	Skyjack Part No.	Qty.	Description
1	9-190187	1	WELDMENT, Third boom 643/843
-	9-190212	1	ASSEMBLY, Third Boom 643/843
2	9-103470	2	• WASHER, Lock 1/2" grade 5
3	9-103907	2	• BOLT, Hex head 1/2"-13 X 1-1/2" grade 5
4	9-101632	2	• BOLT, Hex head 3/8"-16 X 3/4" grade 5
5	9-126361	2	• BOLT, Hex head 1/2"-13 X 1-3/4" grade 8
6	9-103871	4	• BOLT, Hex head 3/8"-16 X 1-3/4" grade 5
7	9-138464	4	• BOLT, Hex head 3/8"-16 X 5/8" grade 5
8	9-104379	4	• WASHER, Flat 1/2" SAE HARD
9	9-103472	18	• WASHER, 13/32" ID x 13/16" OD x 1/16" zinc
10	9-154242	2	• NUT, Bulkhead 08 JIC
11	9-102027	1	• FITTING, Grease 1/8 NPT straight
12	9-190302	2	• FITTING, Bulkhead straight (08 JICM - 08 JICM)
13	9-191266	2	• WEAR PAD, 12 mm X 50 mm X 190 mm
14	9-191268	4	• WEAR PAD, Black 12 mm X 50 mm X 190 mm
15	9-920767	1	• BEARING, Spherical
16	9-931521	2	• BEARING, Inner
17	9-927040	6	• PLATE, Shim
18	9-926942	6	• PLATE, Shim
19	9-926177	6	• PLATE, Shim
20	9-190009	2	• PLATE, Spacer 1"
21	9-191228	1	• PIN, Anchor BL 666
22	9-191117	1	• ANCHOR, Chain BL 666
23	9-933268	2	• RING, Retainer
24	9-190227	1	• PIN, 3/4" DIA X 2-1/4" long
25	9-930127	1	• PIN, Anchor 3/8"
26	9-190205	1	• ANCHOR, Chain stepped 866
27	9-190204	1	• PLATE, Anchor mount
28	9-933615	2	• PIN, Cotter
29	9-190206	1	• COVER, Fly boom
30	9-191128	1	• BRACKET, Bulkhead
31	9-171205	1	• HOOK, Rigging (7.5 Tonnes)
-	9-207914	1	• • KIT, Latch, rigging hook
32	9-923134	1	• PIN, Quick attach
33	9-923135	1	• PIN, Lynch 7/16" DIA x 1-3/4" long
34	9-132565	1	• CAP, Grease GC5 (Not Shown)
35	9-300437	4	• BOLT, Hex head 3/8"-16 X 7/8" Grade 5

6.5 Auxiliary Hydraulics Installation

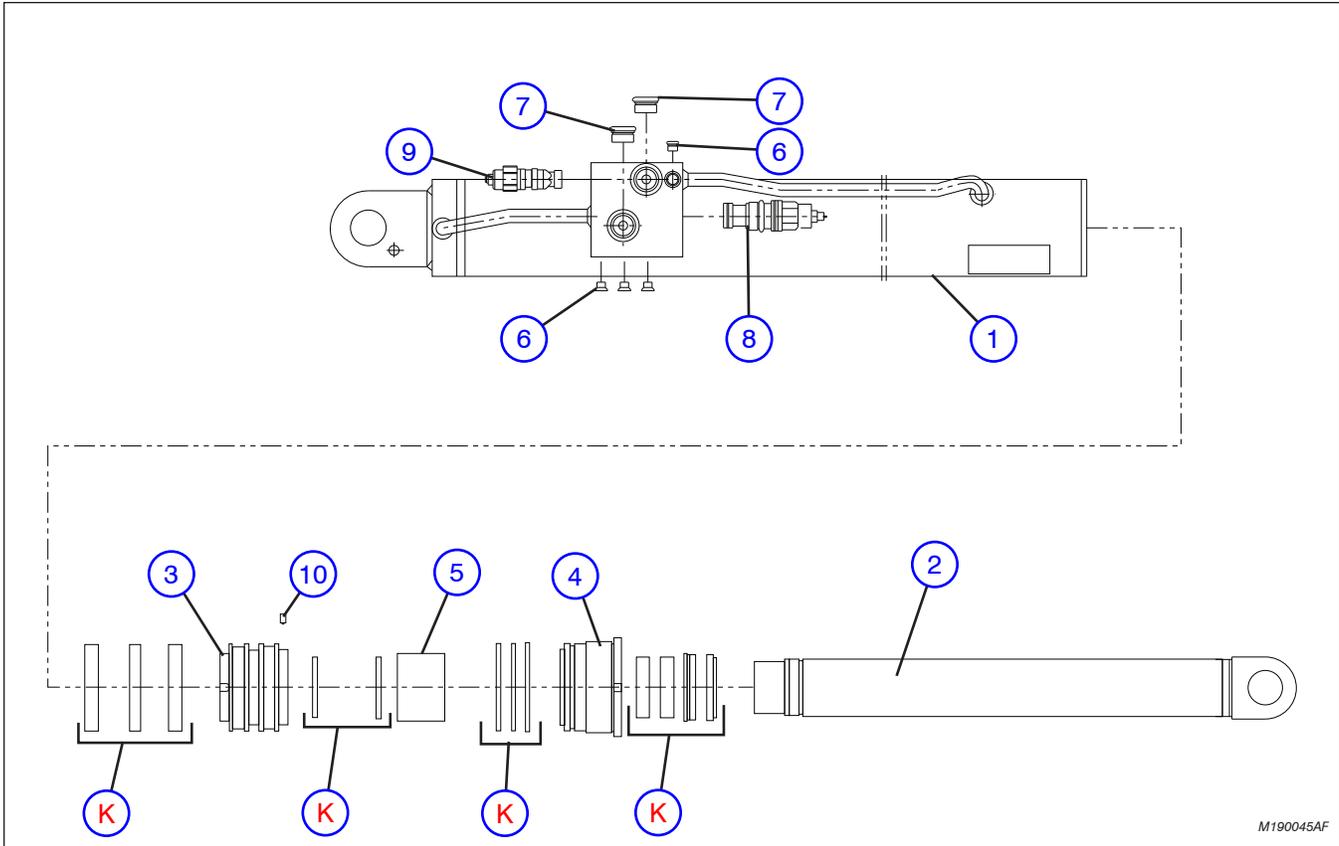
AB



M190099AF

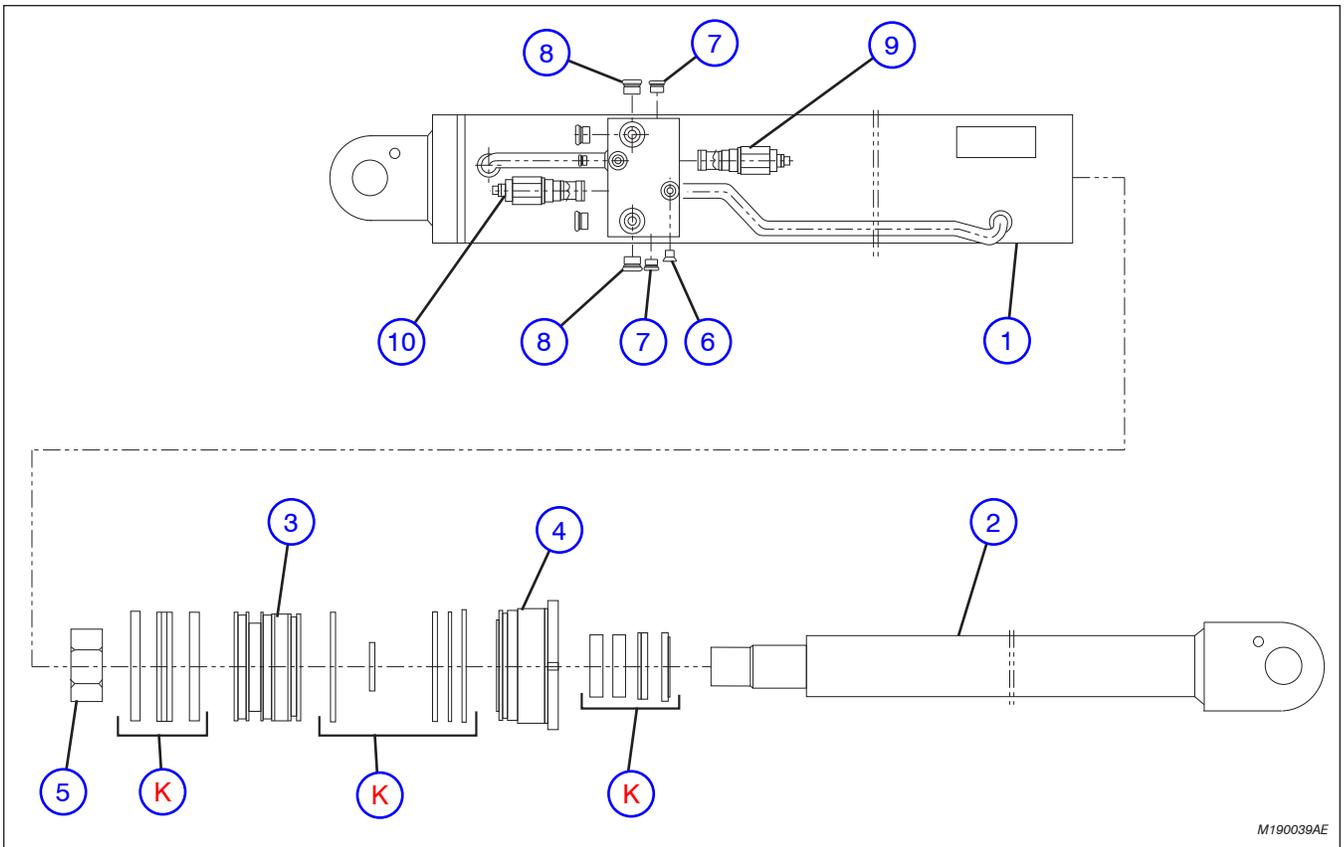
Index No.	Skyjack Part No.	Qty.	Description
-	9-191604	1	ASSEMBLY, AUXILIARY CONTROL SUBGROUP
1	(Ref).	1	<ul style="list-style-type: none"> <li>ASSEMBLY, Auxiliary manifold subgroup (For components, refer to Section 7.12)</li> </ul>
2	(Ref).	1	<ul style="list-style-type: none"> <li>ASSEMBLY, Auxiliary hydraulics hoses 643/843 (For components, refer to Section 7.11)</li> </ul>
3	9-154241	2	<ul style="list-style-type: none"> <li>FITTING, Bulkhead 90° (08 JICM - 08 JICM)</li> </ul>
4	9-154242	2	<ul style="list-style-type: none"> <li>NUT, Bulkhead - 08JIC</li> </ul>
5	9-702598	2	<ul style="list-style-type: none"> <li>FITTING, 8JIC with lock nut</li> </ul>
6	9-103885	5	<ul style="list-style-type: none"> <li>BOLT, Hex head 5/16"-18 x 1-3/4" grade 5</li> </ul>
7	9-103996	2	<ul style="list-style-type: none"> <li>WASHER, Flat 5/16" SAE</li> </ul>
8	9-103887	2	<ul style="list-style-type: none"> <li>BOLT, Hex head 5/16"-18 X 3/4" grade 5</li> </ul>
9	9-103867	1	<ul style="list-style-type: none"> <li>BOLT, Hex head 5/16"-18 X 3" grade 5</li> </ul>
10	9-104379	2	<ul style="list-style-type: none"> <li>WASHER, Flat 1/2" SAE hard</li> </ul>
11	9-103470	2	<ul style="list-style-type: none"> <li>WASHER, Lock 1/2" grade 5</li> </ul>
12	9-103907	2	<ul style="list-style-type: none"> <li>BOLT, Hex head 1/2"-13 X 1-1/2" grade 5</li> </ul>
13	9-191127	1	<ul style="list-style-type: none"> <li>BRACKET, Sheave guard</li> </ul>
14	9-191097	1	<ul style="list-style-type: none"> <li>BOLT, Shoulder 1-1/4" DIA x 2-1/2" long</li> </ul>
15	9-191115	2	<ul style="list-style-type: none"> <li>SHEAVE, Hose</li> </ul>
16	9-412663	8	<ul style="list-style-type: none"> <li>WASHER, Thrust</li> </ul>
17	9-199762	6	<ul style="list-style-type: none"> <li>CLAMP, Twin #08</li> </ul>
18	9-932673	6	<ul style="list-style-type: none"> <li>PLATE, Cover 3D</li> </ul>
19	9-191128	1	<ul style="list-style-type: none"> <li>BRACKET, Bulkhead</li> </ul>
20	9-191605	1	<ul style="list-style-type: none"> <li>PLATE, Hose stand off</li> </ul>
21	9-926077	1	<ul style="list-style-type: none"> <li>COUPLING, Quick disconnect (flat-faced)</li> </ul>
22	9-926078	1	<ul style="list-style-type: none"> <li>COUPLING, Nipple - quick disconnect</li> </ul>
23	9-926080	1	<ul style="list-style-type: none"> <li>CAP, Dust - quick connect NI</li> </ul>
24	9-926079	1	<ul style="list-style-type: none"> <li>CAP, Dust - quick connect CO</li> </ul>
25	9-405599	2	<ul style="list-style-type: none"> <li>EXTENTION, Pipe 37° flare</li> </ul>
26	9-197686	2	<ul style="list-style-type: none"> <li>FITTING, Bulk head straight (08 JICM - 08 ORBM)</li> </ul>
27	9-119922	15"	<ul style="list-style-type: none"> <li>PROTECTIVE TRIM, 1/4"-1/2"</li> </ul>

### 6.6 Extend Cylinder Assembly



Index No.	Skyjack Part No.	Qty.	Description
-	9-190045	1	ASSEMBLY, EXTEND CYLINDER 115B
1	9-197030	1	• ASSEMBLY, Tube
2	9-197031	1	• ASSEMBLY, Rod
3	9-197032	1	• PISTON
4	9-197033	1	• GLAND
5	9-197034	1	• SPACER
6	9-197035	4	• PLUG
7	9-197036	2	• PLUG
8	9-191813	1	• VALVE, Counterbalance - 4000 PSI
9	9-191814	1	• VALVE, Counterbalance - 4000 PSI
10	9-197039	1	• SET SCREW
K	9-197103	1	• SEAL KIT, Extend Cylinder

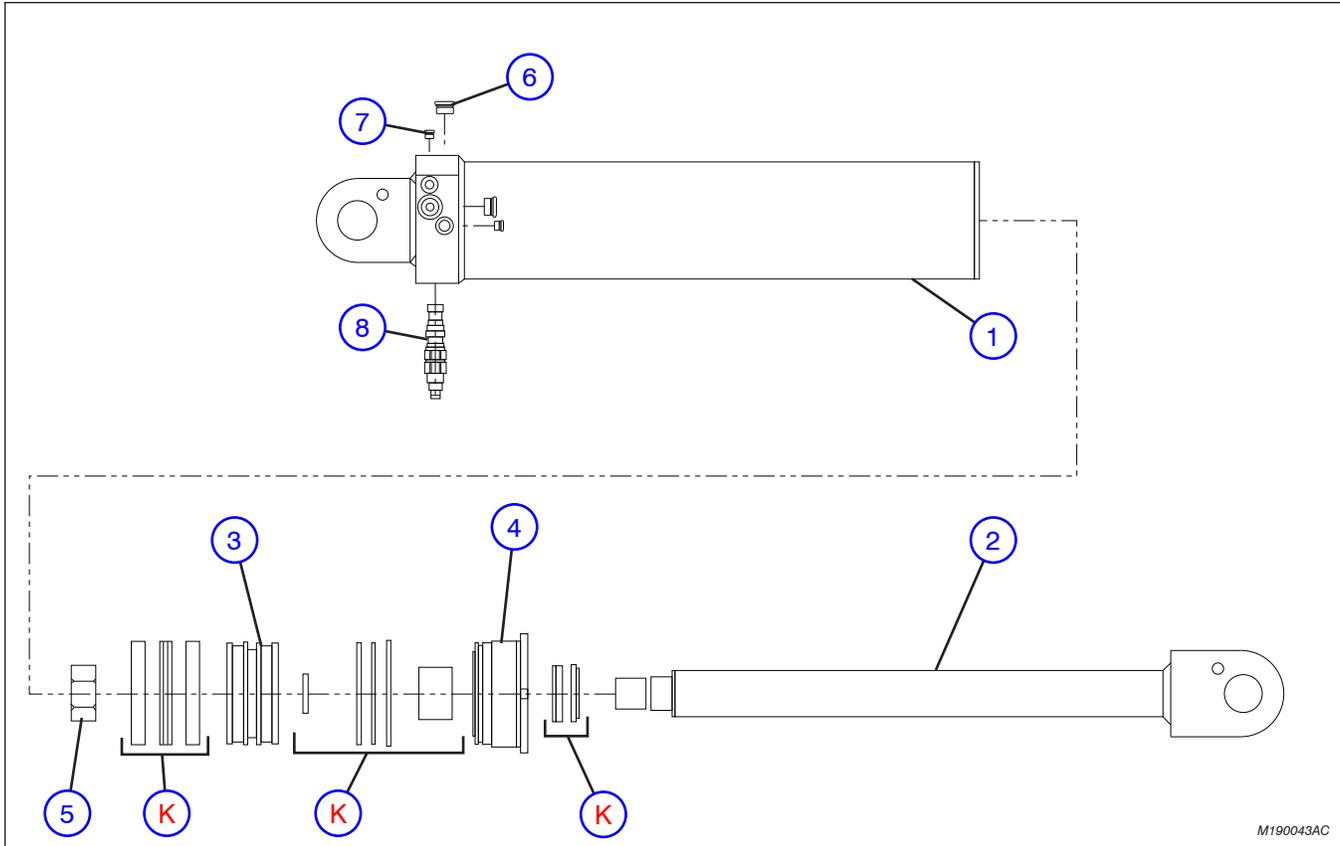
## 6.7 Lift Cylinder Assembly



M190039AE

Index No.	Skyjack Part No.	Qty.	Description
-	9-190039	1	ASSEMBLY, LIFT CYLINDER 130B
1	9-197049	1	• ASSEMBLY, Tube
2	9-197050	1	• ASSEMBLY, Rod
3	9-197051	1	• PISTON
4	9-197052	1	• GLAND
5	9-197053	1	• NUT, Lock
6	9-197035	2	• PLUG
7	9-197054	2	• PLUG
8	9-197055	4	• PLUG
9	9-191811	1	• VALVE, Counterbalance - 4060 PSI
10	9-191812	1	• VALVE, Counterbalance - 1800 PSI
K	9-197097	1	• SEAL KIT, Lift Cylinder

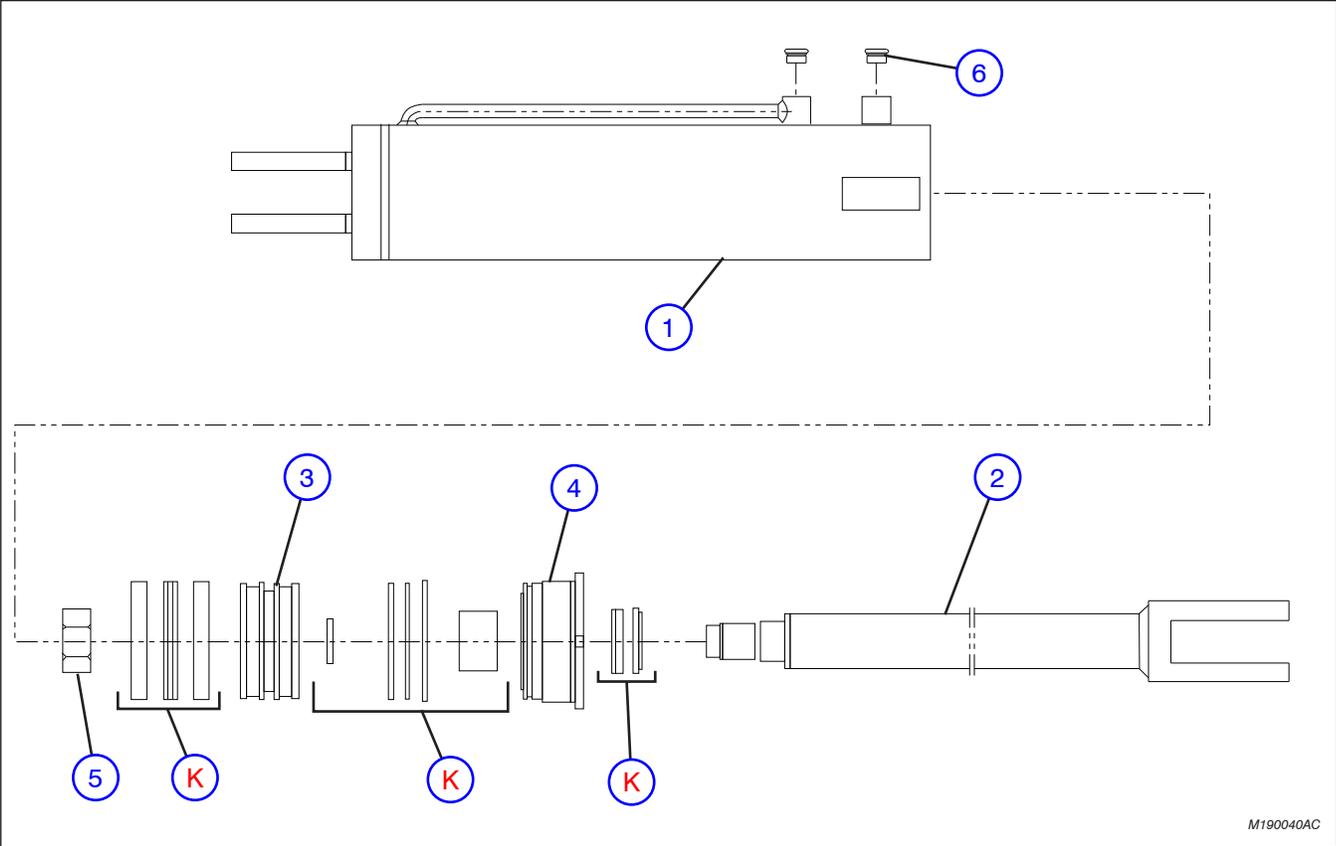
### 6.8 Fork Tilt Cylinder Assembly



M190043AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-190043	1	ASSEMBLY, FORK TILT CYLINDER 120B
1	9-197079	1	• ASSEMBLY, Tube
2	9-197080	1	• ASSEMBLY, Rod
3	9-197081	1	• PISTON
4	9-197082	1	• GLAND
5	9-197072	1	• NUT, Lock
6	9-197055	2	• PLUG
7	9-197035	2	• PLUG
8	9-191815	1	• VALVE, Counterbalance - 6000 PSI
K	9-197101	1	• SEAL KIT, Fork Tilt Cylinder

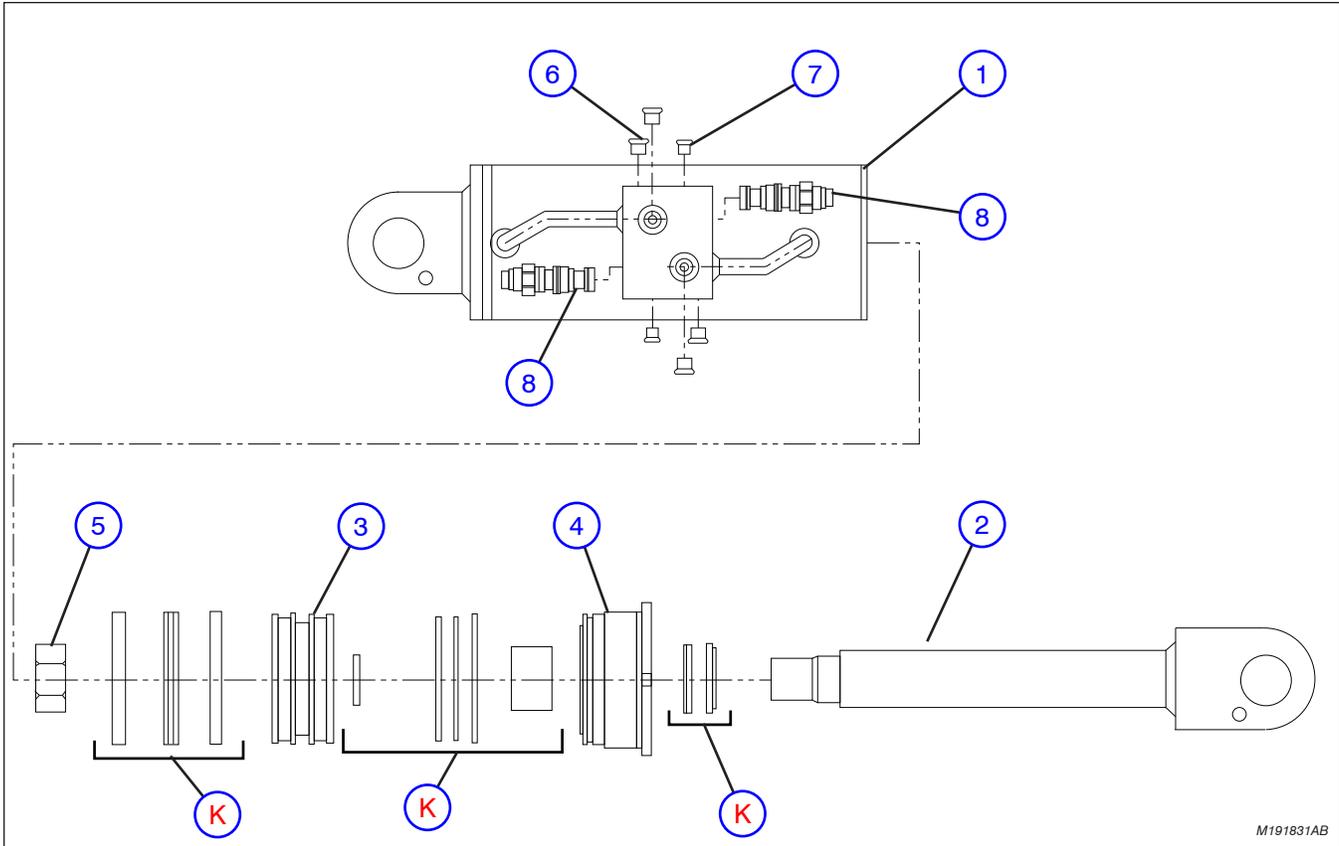
6.9 Tilt Comp Cylinder Assembly



M190040AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-190040	1	ASSEMBLY, TILT COMP CYLINDER
1	9-197091	1	• ASSEMBLY, Tube
2	9-197092	1	• ASSEMBLY, Rod
3	9-197081	1	• PISTON
4	9-197082	1	• GLAND
5	9-197072	1	• NUT, Lock
6	9-197055	2	• PLUG
K	9-197098	1	• SEAL KIT, Tilt Comp Cylinder

### 6.10 Frame Level Cylinder Assembly

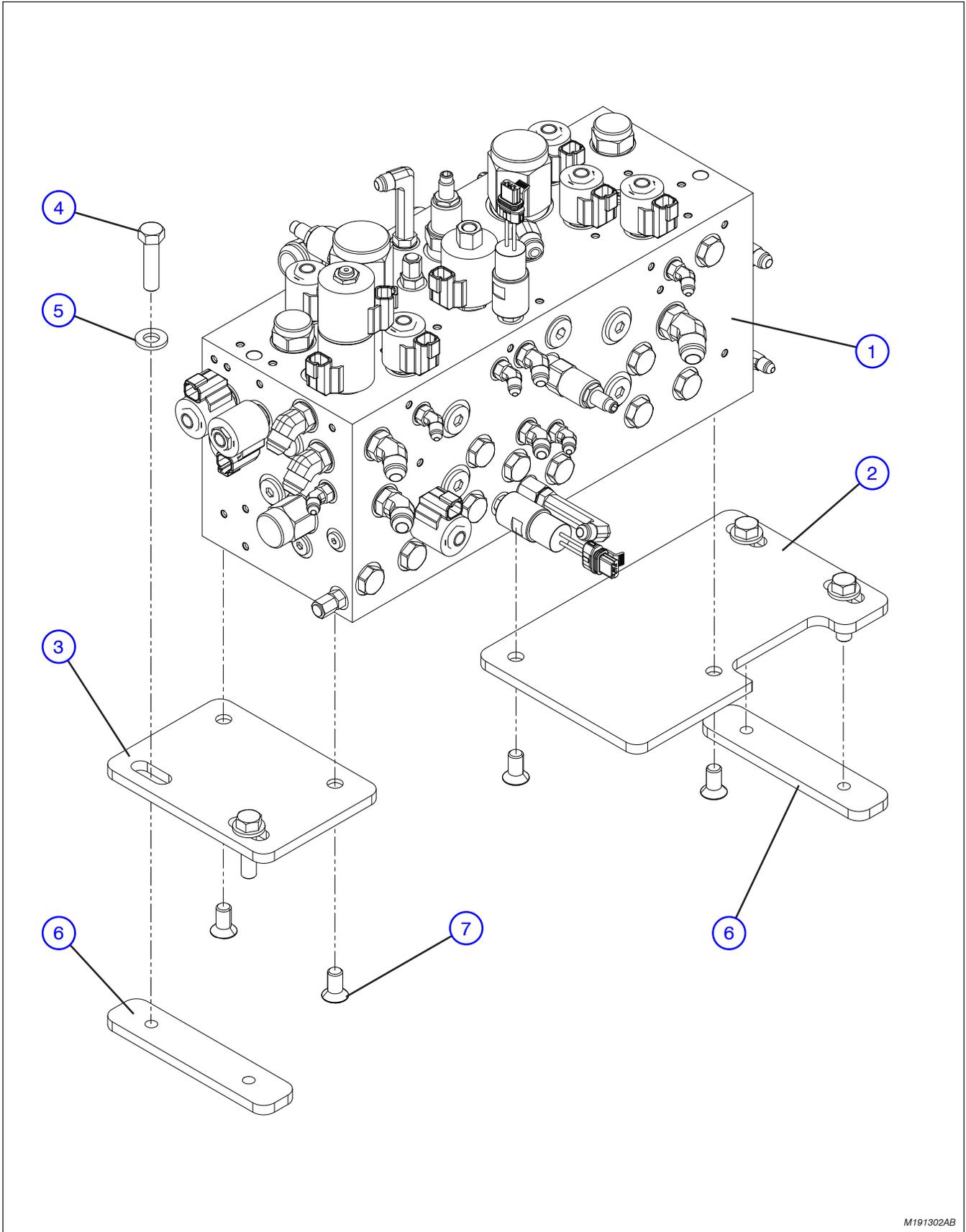


M191831AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-191831	1	ASSEMBLY, FRAME LEVEL CYLINDER
1	9-197068	1	• ASSEMBLY, Tube
2	9-197069	1	• ASSEMBLY, Rod
3	9-197070	1	• PISTON
4	9-197071	1	• GLAND
5	9-197072	1	• NUT, Lock
6	9-197054	4	• PLUG
7	9-197035	2	• PLUG
8	9-191816	2	• VALVE, Counterbalance - 3700 PSI
K	9-197099	1	• SEAL KIT, Tilt Comp Cylinder

- 7.1 Main Manifold Installation**
- 7.2 Main Manifold Assembly**
- 7.3 Manifold Assembly**
- 7.4 Hydraulic Return Filter Assembly**
- 7.5 Boom and Telescopic Hydraulic Hose Connections**
- 7.6 Carriage Hydraulic Hose Connections**
- 7.7 Frame Level Hydraulic Hose Connections**
- 7.8 Brake and Steering Hydraulic Hose Connections**
- 7.9 Hydraulic Pump Hose Connections**
- 7.10 Cab Hose Connections**
- 7.11 Auxiliary Hydraulics Hoses**
- 7.12 Auxiliary Manifold Assembly**

## 7.1 Main Manifold Installation

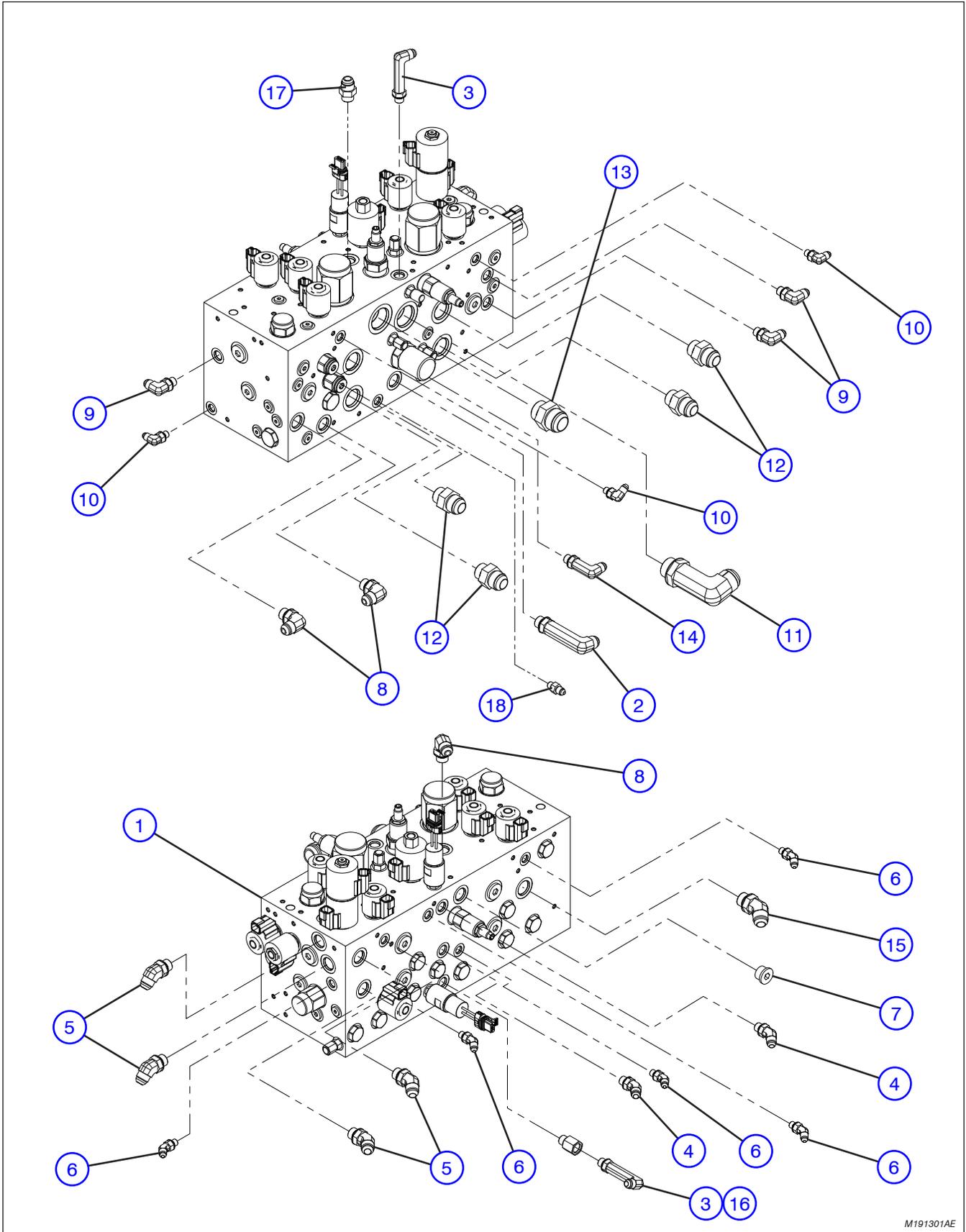


M191302AB

## 7.1 Main Manifold Installation

Index No.	Skyjack Part No.	Qty.	Description
-	9-191302	1	MANIFOLD SUBGROUP, TH 6/843
1	9-191301	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Manifold 6/843 (For components, refer to Section 7.2)</li> </ul>
2	9-191818	1	<ul style="list-style-type: none"> <li>• PLATE, Manifold rear</li> </ul>
3	9-191817	1	<ul style="list-style-type: none"> <li>• PLATE, Manifold front</li> </ul>
4	9-103904	4	<ul style="list-style-type: none"> <li>• BOLT, Hex head 1/2"-13 X 2" grade 5</li> </ul>
5	9-104379	4	<ul style="list-style-type: none"> <li>• WASHER, Flat 1/2" SAE hard</li> </ul>
6	9-190692	2	<ul style="list-style-type: none"> <li>• PLATE, Manifold clamp</li> </ul>
7	9-190298	4	<ul style="list-style-type: none"> <li>• SCREW, Flat head hex 1/2"-13 X 1"</li> </ul>

## 7.2 Main Manifold Assembly

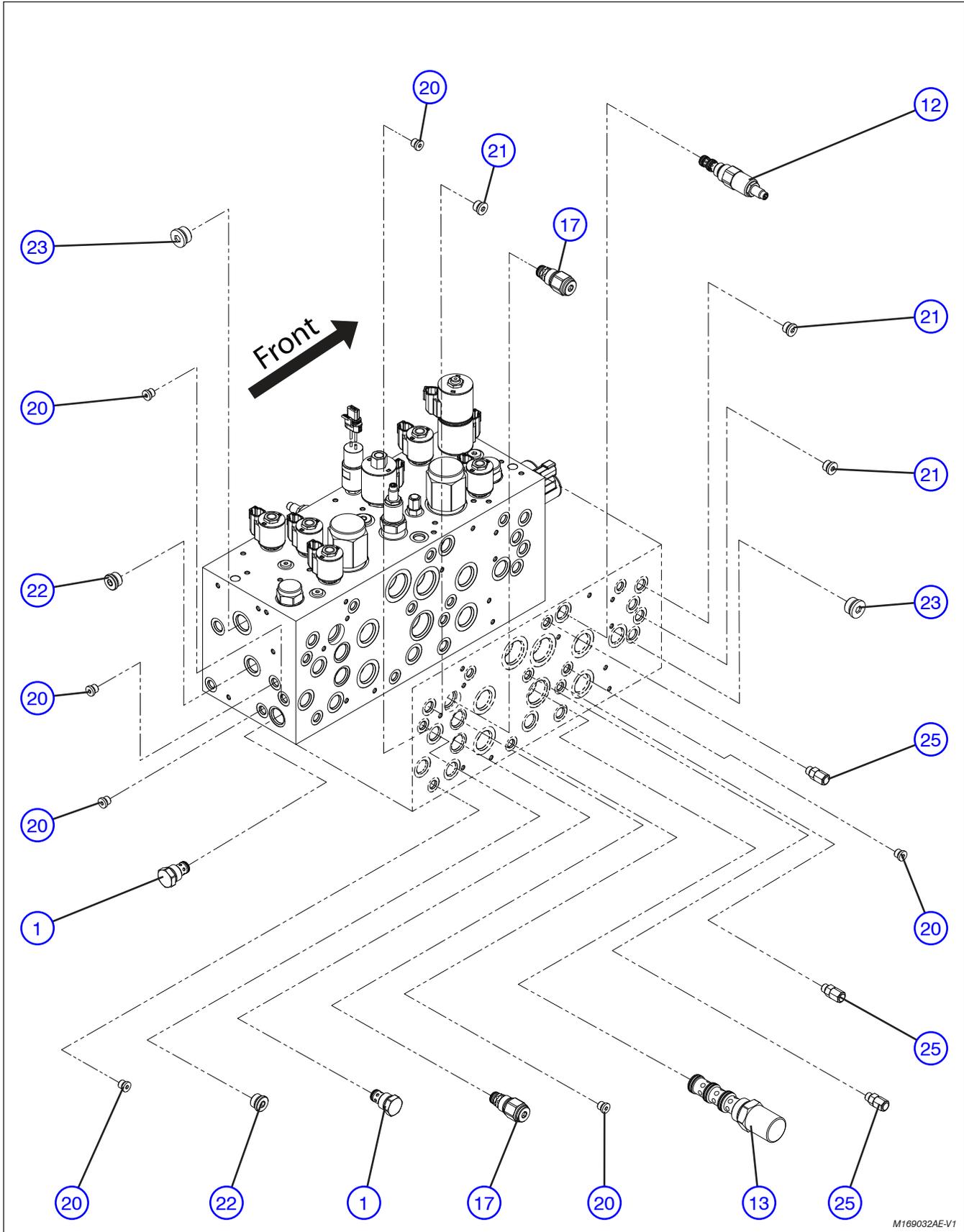


M191301AE

## 7.2 Main Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191301	1	ASSEMBLY, MAIN MANIFOLD
1	(Ref).	1	<ul style="list-style-type: none"> <li>MANIFOLD, 6/843 (For components, refer to Section 7.3)</li> </ul>
2	9-150943	1	<ul style="list-style-type: none"> <li>FITTING, 90° LLL (08 JICM - 08 ORBM)</li> </ul>
3	9-147536	2	<ul style="list-style-type: none"> <li>FITTING, 90° LLL (06 JICM - 06 ORBM)</li> </ul>
4	9-114580	2	<ul style="list-style-type: none"> <li>FITTING, 45° (06 JICM - 06 ORBM)</li> </ul>
5	9-139739	4	<ul style="list-style-type: none"> <li>FITTING, 45° (08JICM08ORBM)</li> </ul>
6	9-131716	5	<ul style="list-style-type: none"> <li>FITTING, 45° (04 JICM - 04 ORBM)</li> </ul>
7	9-702796	1	<ul style="list-style-type: none"> <li>PLUG, Fitting (08 ORB hex socket)</li> </ul>
8	9-114583	4	<ul style="list-style-type: none"> <li>FITTING, 90 ° (08 JICM - 08 ORBM)</li> </ul>
9	9-114578	3	<ul style="list-style-type: none"> <li>FITTING, 90° (06 JICM - 06 ORBM)</li> </ul>
10	9-125883	3	<ul style="list-style-type: none"> <li>FITTING, 90 ° ( 04 JICM - 04ORBM)</li> </ul>
11	9-191599	1	<ul style="list-style-type: none"> <li>FITTING, 90 ° LL ( 16 JICM - 16 ORBM)</li> </ul>
12	9-702118	4	<ul style="list-style-type: none"> <li>FITTING, (12 ORBM - 12 JICM)</li> </ul>
13	9-138667	1	<ul style="list-style-type: none"> <li>FITTING, (16 ORBM - 16 JICM)</li> </ul>
14	9-162071	1	<ul style="list-style-type: none"> <li>FITTING, 90° (06 JICM - 06ORBM) - XL</li> </ul>
15	9-149215	1	<ul style="list-style-type: none"> <li>FITTING, 45° (10JICM - 10 ORBM)</li> </ul>
16	9-196193	1	<ul style="list-style-type: none"> <li>FITTING, Straight (06 ORBM - 06 ORBF)</li> </ul>
17	9-102659	1	<ul style="list-style-type: none"> <li>FITTING, Straight (08 JICM - 08 ORBM)</li> </ul>
18	9-126128	1	<ul style="list-style-type: none"> <li>FITTING, (04 SAE - 04 JIC)</li> </ul>

7.3 Manifold Assembly

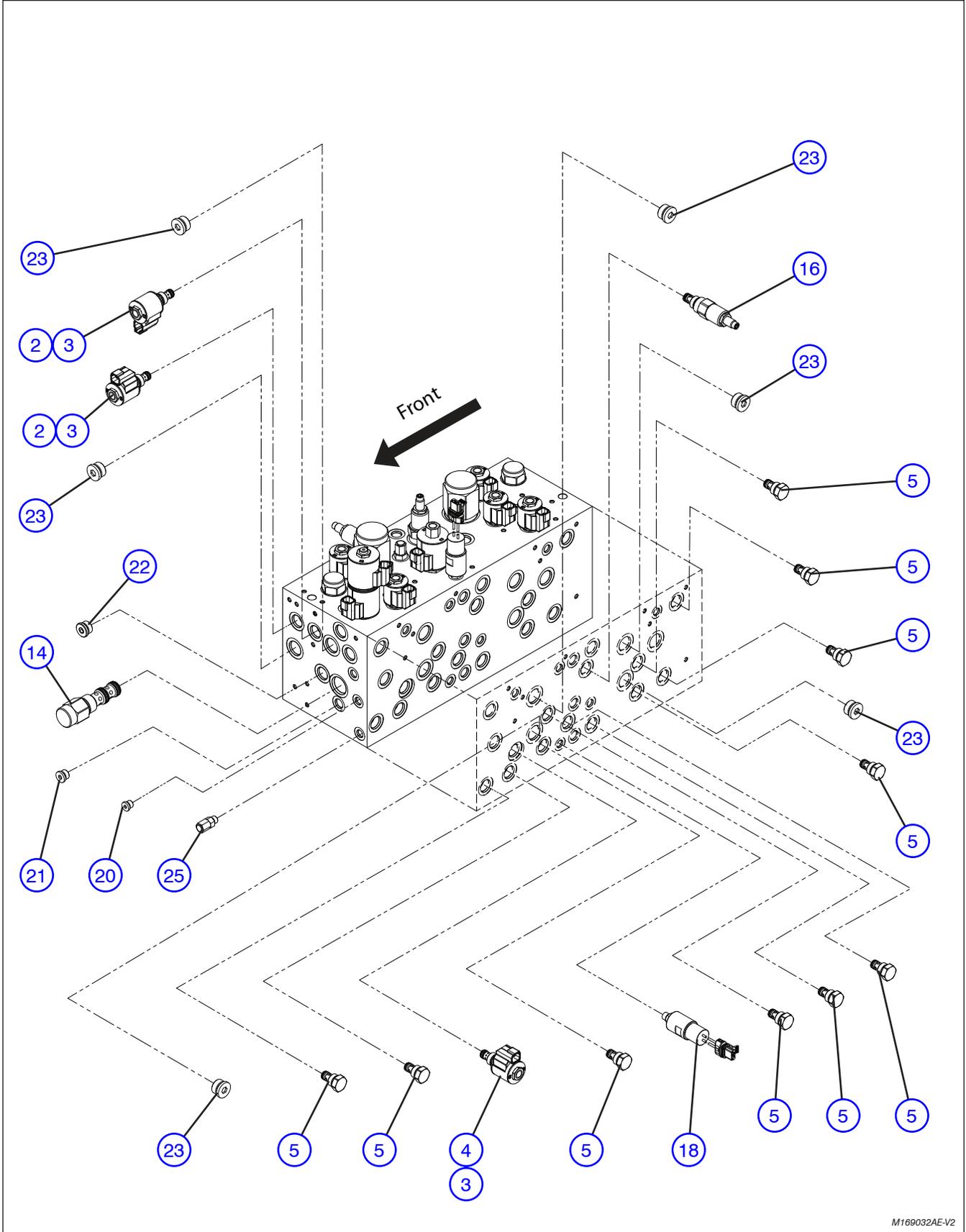


M169032AE-V1

### 7.3 Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-169032	1	ASSEMBLY, MANIFOLD 6/843
1	9-191805	2	• VALVE, Check
2	9-102626	3	• VALVE, Solenoid cartridges
3	9-159821	8	• COIL, #8
4	9-166038	1	• VALVE, Solenoid cartridges
5	9-166066	10	• VALVE, Check
6	9-168057	3	• COIL, #10
7	9-171796	1	• VALVE, Solenoid cartridge
8	9-191793	2	• VALVE, Proportional-pilot operated
9	9-191794	2	• VALVE, Proportional-pilot operated
10	9-191795	1	• VALVE, Solenoid 4 way / 3 position
11	9-191796	4	• VALVE, Solenoid 4 way / 2 position
12	9-191798	1	• VALVE, Pressure reducing/relieving
13	9-191799	1	• VALVE, Pressure compensator & p.o.d
14	9-191801	1	• VALVE, Piloted 2w N.O.
15	9-191802	1	• VALVE, Relief
16	9-191803	1	• VALVE, Relief
17	9-191804	2	• VALVE, Relief anti-cavitation
18	9-191810	1	• SWITCH, Pressure 450 psi
19	9-191800	1	• SWITCH, Pressure 350 psi
20	9-121205	11	• PLUG, Fitting (04 ORB hex socket)
21	9-104437	5	• PLUG, Fitting (06 ORB hex socket)
22	9-702796	4	• PLUG, Fitting (08 ORB hex socket)
23	9-137629	8	• PLUG, Fitting (10 ORB hex socket)
24	9-701956	1	• FITTING, (#6 Straight ORBM to #4 JICM)
25	9-126128	4	• FITTING, (#4 Straight ORBM to JICM)

7.3 Manifold Assembly - Continued

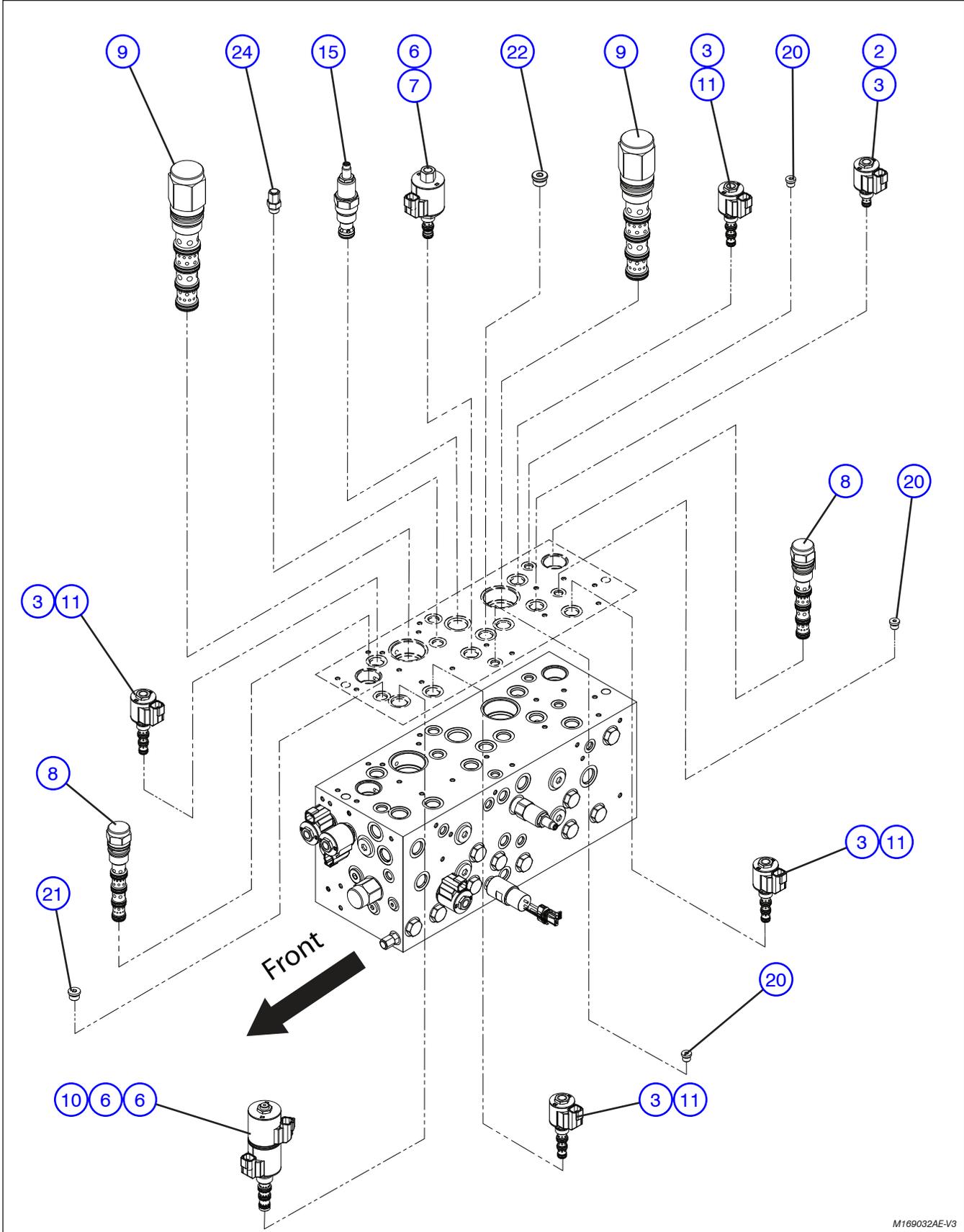


M169032AE-V2

7.3 Manifold Assembly - Continued

Index No.	Skyjack Part No.	Qty.	Description
-	9-169032	1	ASSEMBLY, MANIFOLD 6/843
1	9-191805	2	• VALVE, Check
2	9-102626	3	• VALVE, Solenoid cartridges
3	9-159821	8	• COIL, #8
4	9-166038	1	• VALVE, Solenoid cartridges
5	9-166066	10	• VALVE, Check
6	9-168057	3	• COIL, #10
7	9-171796	1	• VALVE, Solenoid cartridge
8	9-191793	2	• VALVE, Proportional-pilot operated
9	9-191794	2	• VALVE, Proportional-pilot operated
10	9-191795	1	• VALVE, Solenoid 4 way / 3 position
11	9-191796	4	• VALVE, Solenoid 4 way / 2 position
12	9-191798	1	• VALVE, Pressure reducing/relieving
13	9-191799	1	• VALVE, Pressure compensator & p.o.d
14	9-191801	1	• VALVE, Piloted 2w N.O.
15	9-191802	1	• VALVE, Relief
16	9-191803	1	• VALVE, Relief
17	9-191804	2	• VALVE, Relief anti-cavitation
18	9-191810	1	• SWITCH, Pressure 450 psi
19	9-191800	1	• SWITCH, Pressure 350 psi
20	9-121205	11	• PLUG, Fitting (04 ORB hex socket)
21	9-104437	5	• PLUG, Fitting (06 ORB hex socket)
22	9-702796	4	• PLUG, Fitting (08 ORB hex socket)
23	9-137629	8	• PLUG, Fitting (10 ORB hex socket)
24	9-701956	1	• FITTING, (#6 Straight ORBM to #4 JICM)
25	9-126128	4	• FITTING, (#4 Straight ORBM to JICM)

7.3 Manifold Assembly - Continued

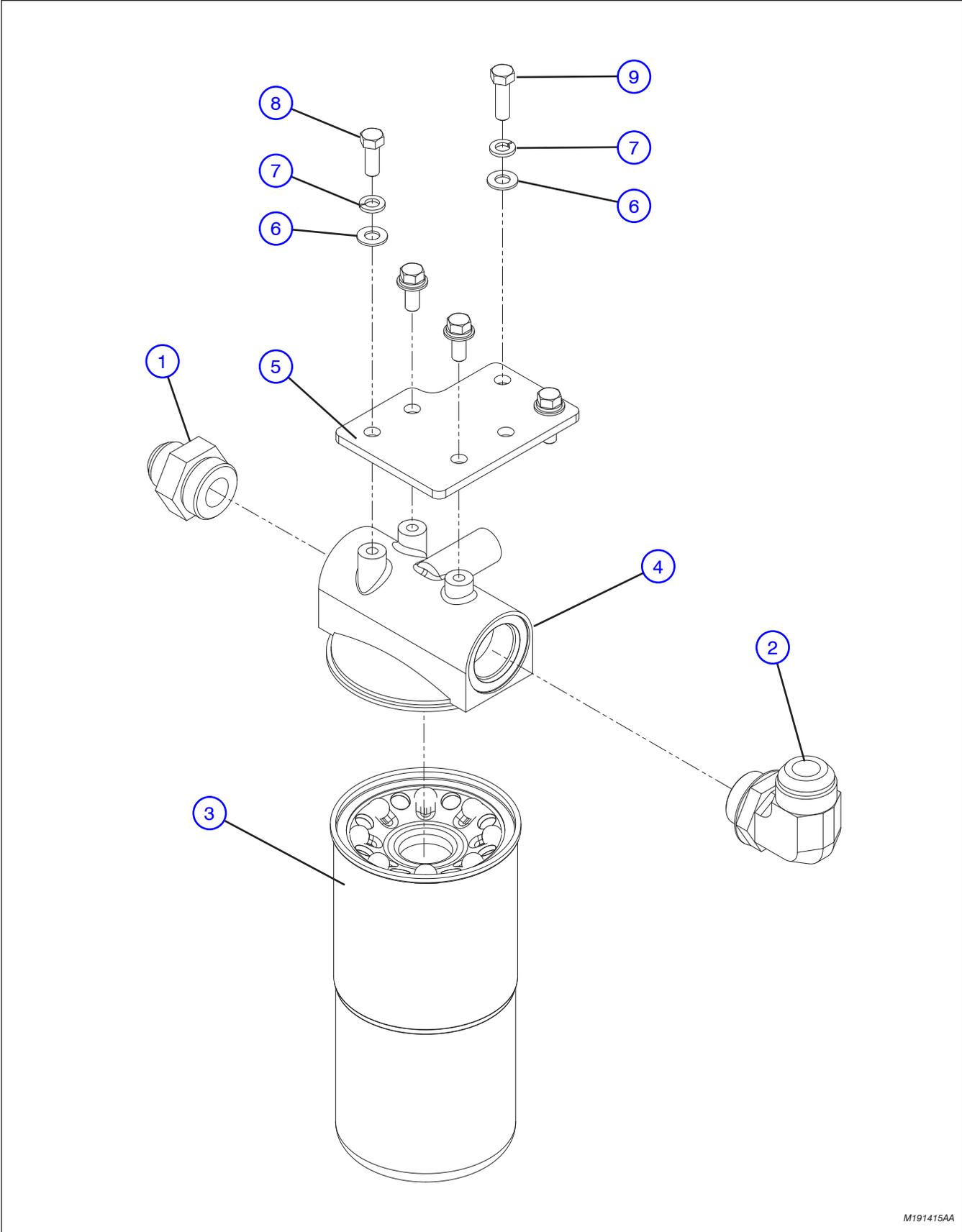


M169032AE-V3

7.3 Manifold Assembly - Continued

Index No.	Skyjack Part No.	Qty.	Description
-	9-169032	1	ASSEMBLY, MANIFOLD 6/843
1	9-191805	2	• VALVE, Check
2	9-102626	3	• VALVE, Solenoid cartridges
3	9-159821	8	• COIL, #8
4	9-166038	1	• VALVE, Solenoid cartridges
5	9-166066	10	• VALVE, Check
6	9-168057	3	• COIL, #10
7	9-171796	1	• VALVE, Solenoid cartridge
8	9-191793	2	• VALVE, Proportional-pilot operated
9	9-191794	2	• VALVE, Proportional-pilot operated
10	9-191795	1	• VALVE, Solenoid 4 way / 3 position
11	9-191796	4	• VALVE, Solenoid 4 way / 2 position
12	9-191798	1	• VALVE, Pressure reducing/relieving
13	9-191799	1	• VALVE, Pressure compensator & p.o.d
14	9-191801	1	• VALVE, Piloted 2w N.O.
15	9-191802	1	• VALVE, Relief
16	9-191803	1	• VALVE, Relief
17	9-191804	2	• VALVE, Relief anti-cavitation
18	9-191810	1	• SWITCH, Pressure 450 psi
19	9-191800	1	• SWITCH, Pressure 350 psi
20	9-121205	11	• PLUG, Fitting (04 ORB hex socket)
21	9-104437	5	• PLUG, Fitting (06 ORB hex socket)
22	9-702796	4	• PLUG, Fitting (08 ORB hex socket)
23	9-137629	8	• PLUG, Fitting (10 ORB hex socket)
24	9-701956	1	• FITTING, (#6 Straight ORBM to #4 JICM)
25	9-126128	4	• FITTING, (#4 Straight ORBM to JICM)

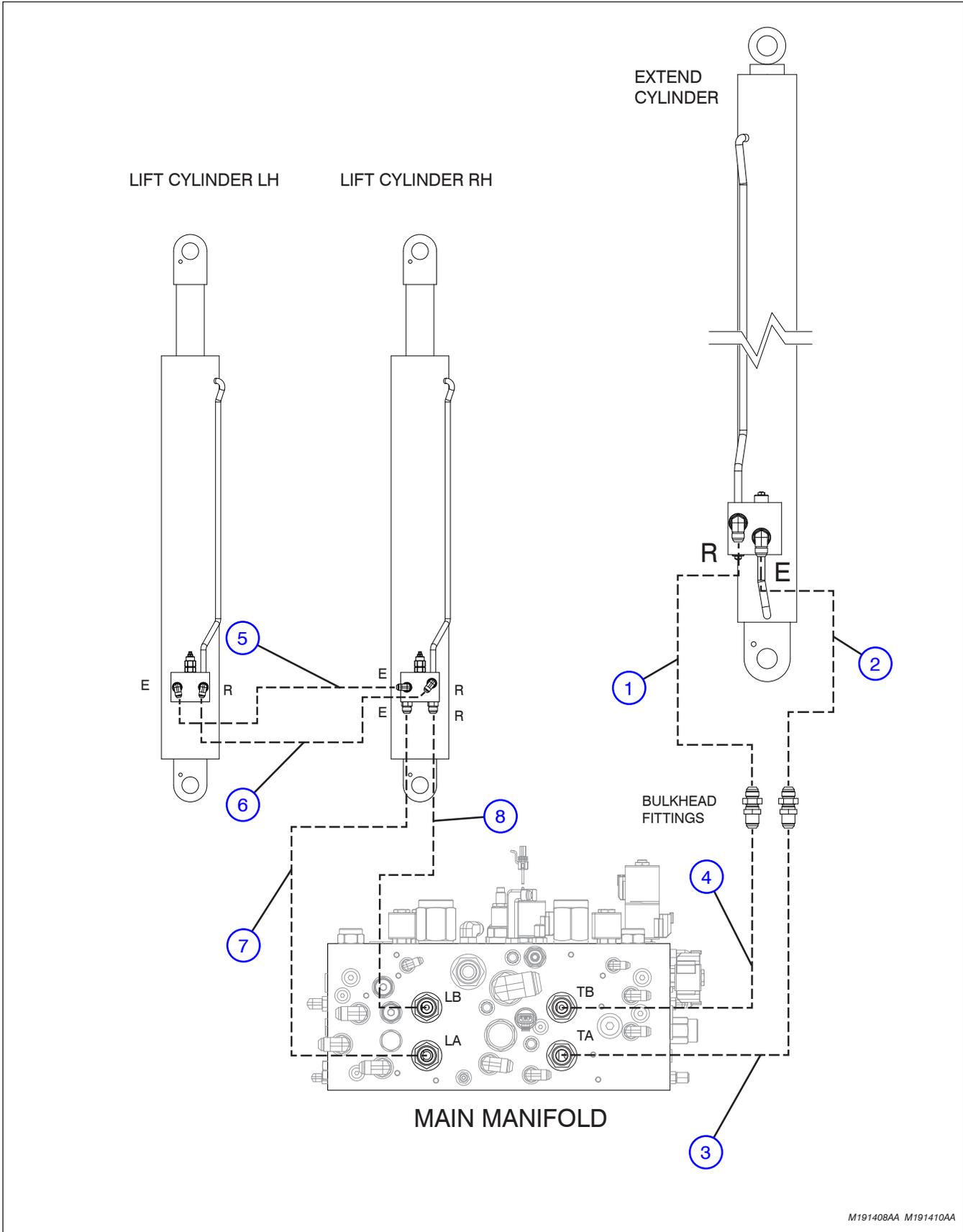
**7.4 Hydraulic Return Filter Assembly**



M191415AA

### 7.4 Hydraulic Return Filter Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	9-191415	1	ASSEMBLY, RETURN FILTER
1	9-190361	1	<ul style="list-style-type: none"> <li>• FITTING, Straight (16 JICM - 20 ORBM)</li> </ul>
2	9-406249	1	<ul style="list-style-type: none"> <li>• FITTING, 90° (20 JICM - 20 ORBM)</li> </ul>
3	9-157907	1	<ul style="list-style-type: none"> <li>• ELEMENT, Filter (Hydraulic spin on)</li> </ul>
4	9-157906	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Head hydraulic return filter</li> </ul>
5	9-190906	1	<ul style="list-style-type: none"> <li>• PLATE, Hydraulic filter mount</li> </ul>
6	9-103472	5	<ul style="list-style-type: none"> <li>• WASHER, Flat 3/8" SAE</li> </ul>
7	9-103999	5	<ul style="list-style-type: none"> <li>• WASHER, Lock 3/8"</li> </ul>
8	9-103473	3	<ul style="list-style-type: none"> <li>• BOLT, Hex head cap 3/8"-16 X 1" grade 5</li> </ul>
9	9-101297	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head cap 3/8"-16 X 1-1/4" grade 5</li> </ul>

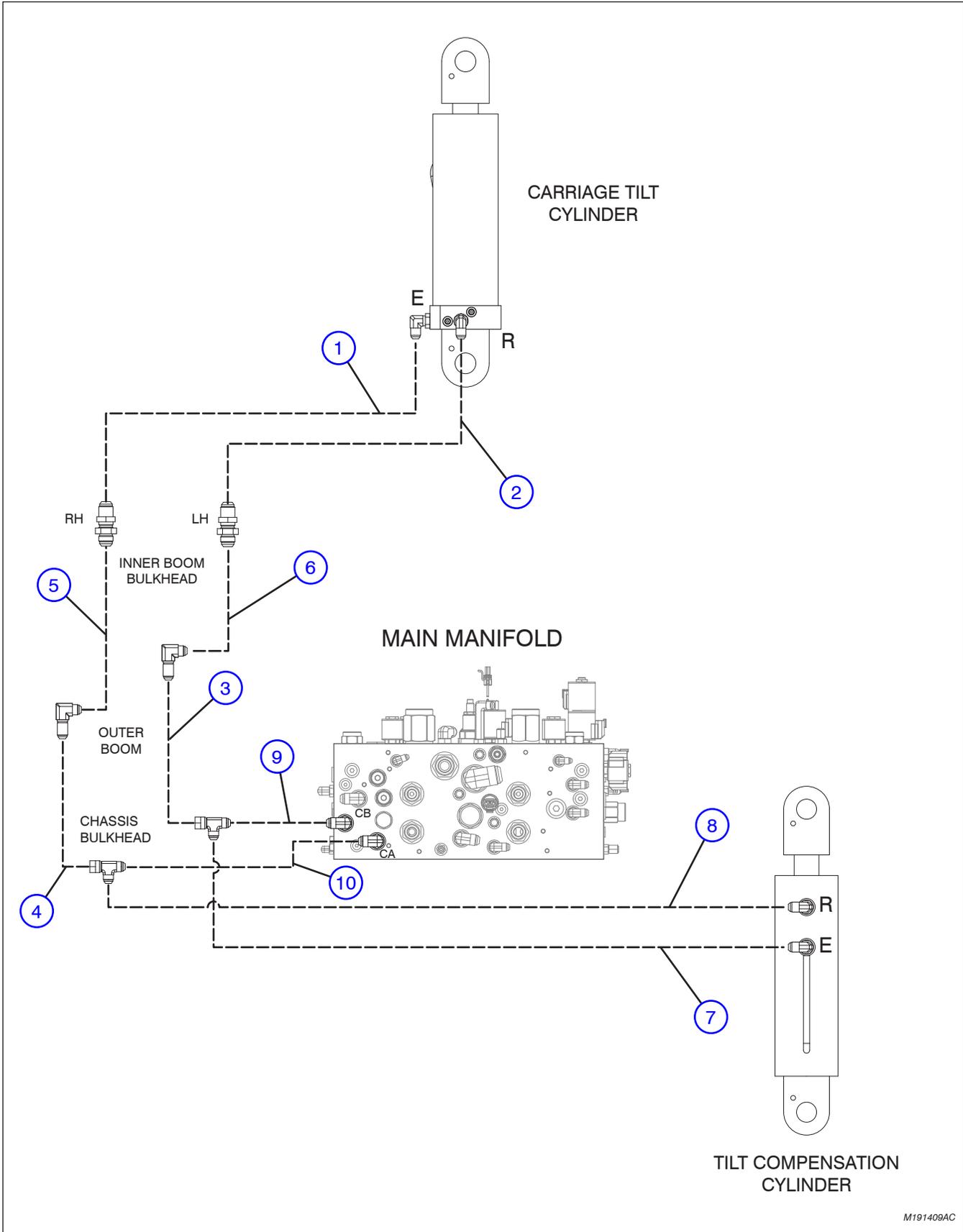


M191408AA M191410AA

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H311200450	EXTEND CYLINDER	R	TB	MAIN MANIFOLD
2	H311200450	EXTEND CYLINDER	E	TA	MAIN MANIFOLD
3	H361200620	MAIN MANIFOLD	TA	E	EXTEND CYLINDER
4	H361200620	MAIN MANIFOLD	TB	R	EXTEND CYLINDER
5	H310800250	-	-	E	LIFT CYLINDERS
6	H310800250	-	-	R	LIFT CYLINDERS
7	H311200380	MAIN MANIFOLD	LA	E	RH LIFT CYLINDER
8	H311200380	MAIN MANIFOLD	LB	R	RH LIFT CYLINDER

7.6 Carriage Hydraulic Hose Connections

AB

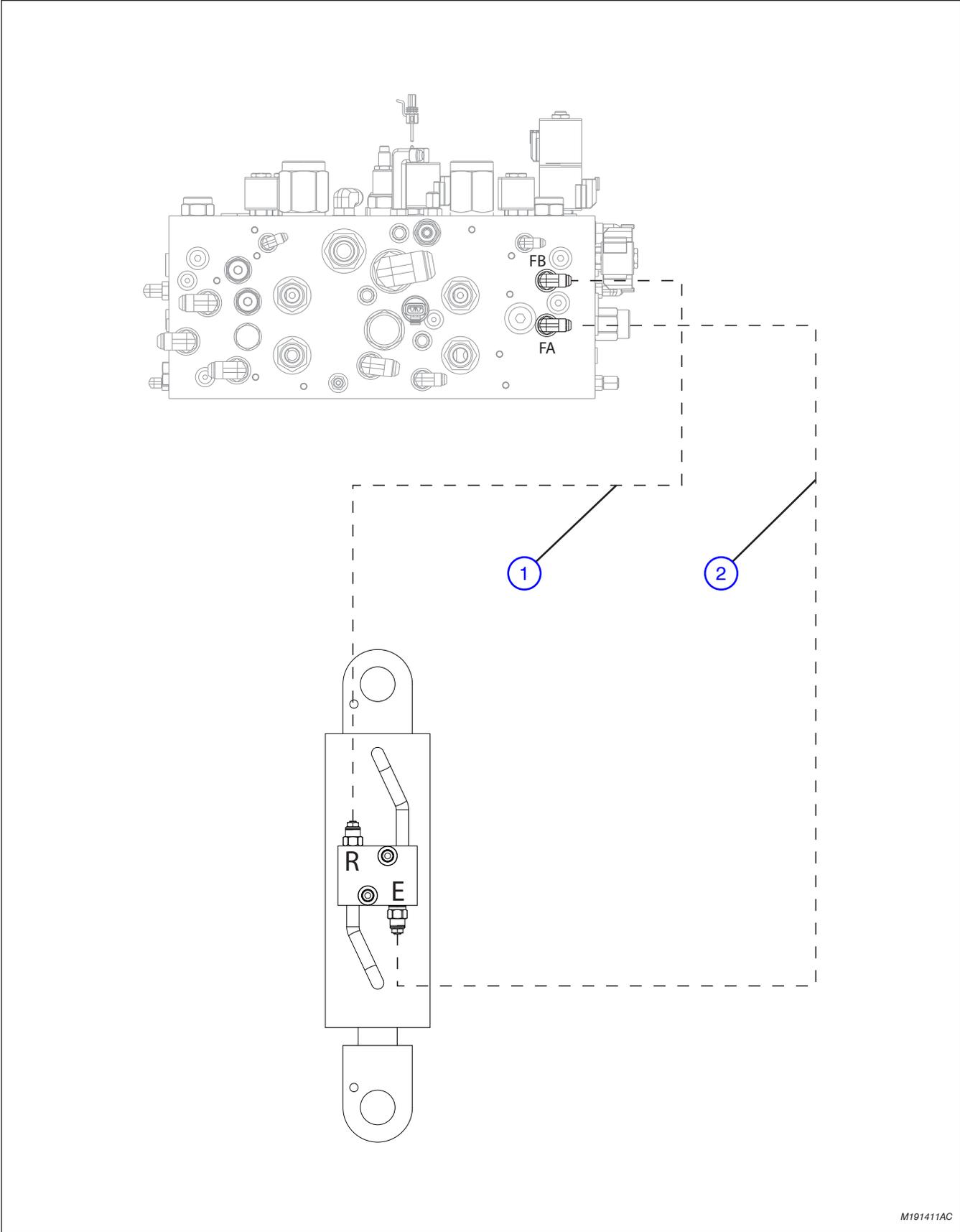


M191409AC

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H310800370	-	-	E	Carriage tilt cylinder
2	H310800370	-	-	R	Carriage tilt
3	H340801770	Chassis	-	R	Chassis to boom bulkhead
4	H340801770	Chassis	-	E	chassis to boom bulkhead
5	H310803380	-	-	E	Over hose sheave left side
6	H310803380	-	-	R	Over hose sheave
7	H310800200	Tilt compensation cylinder	E	-	Chassis bulkhead left side
8	H310800170	Tilt compensation cylinder	R	-	Chassis bulkhead right side
9	H340800470	Main manifold	CB	-	Chassis bulkhead left side
10	H340800470	Main manifold	CA	-	Chassis bulkhead right side

7.7 Frame Level Hydraulic Hose Connections

AB

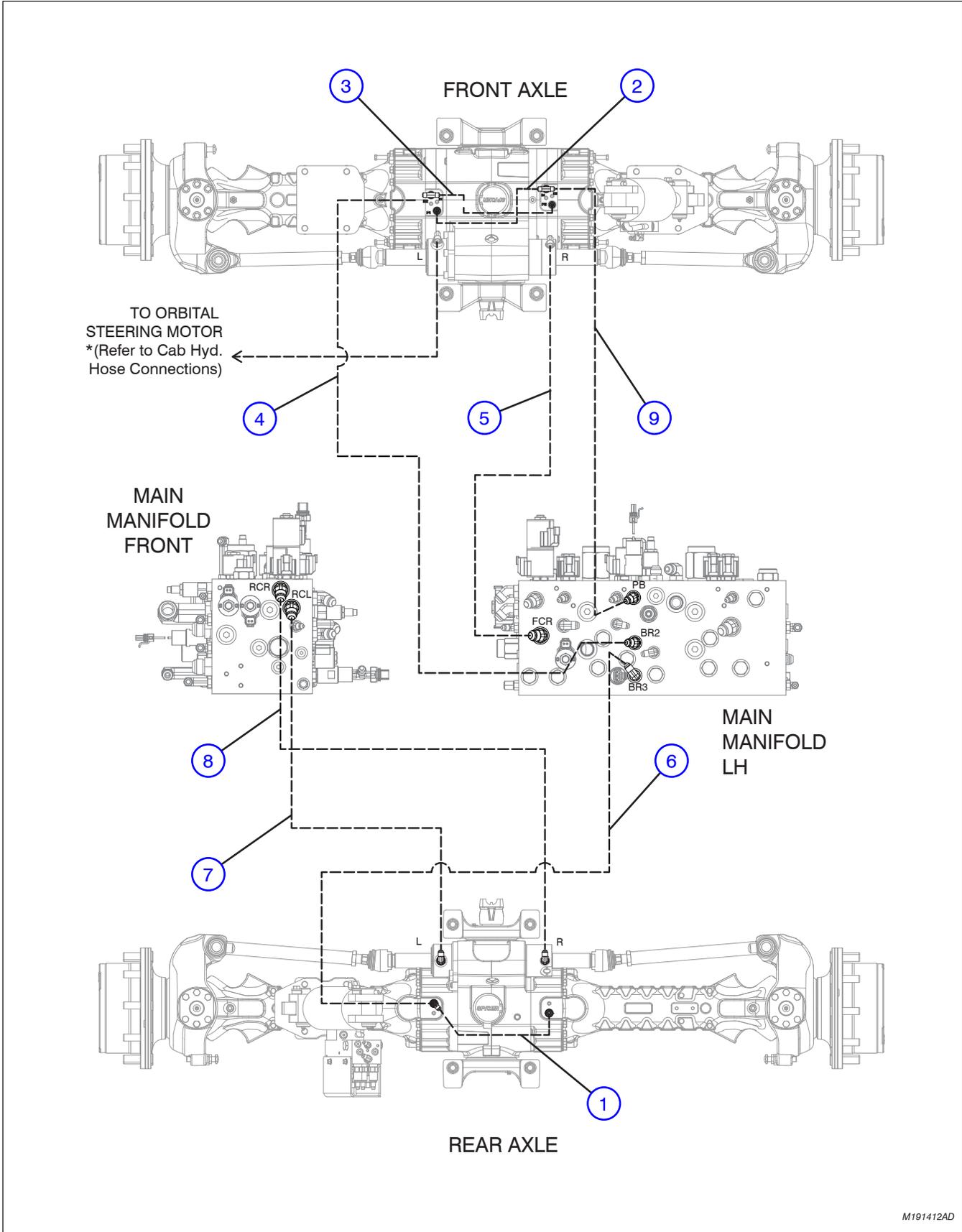


M191411AC

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H310601320	Main manifold	FB	R	Frame level cylinder
2	H310601320	Main manifold	FA	E	Frame level cylinder

7.8 Brakes and Steering Hydraulic Hose Connections

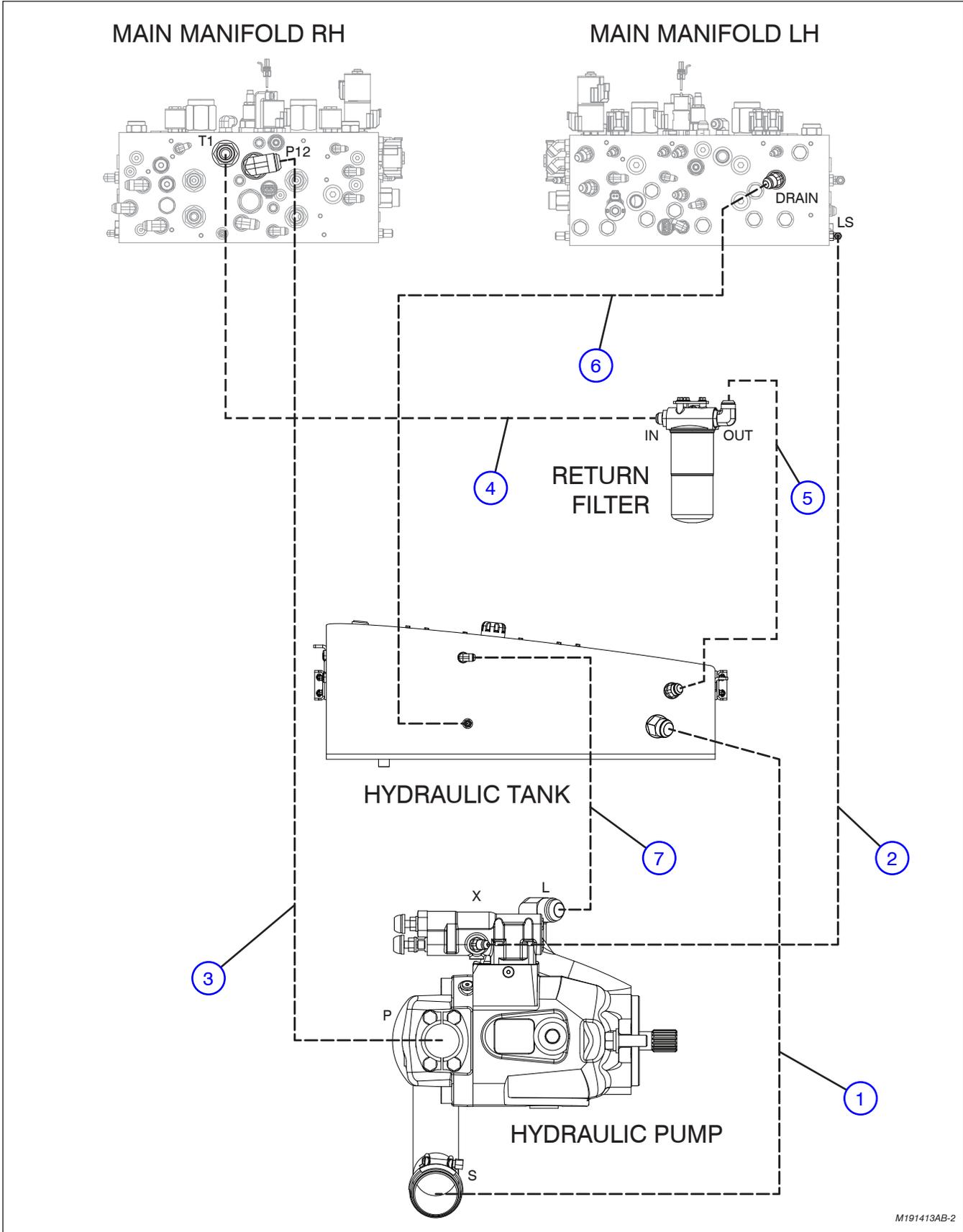
AB



M191412AD

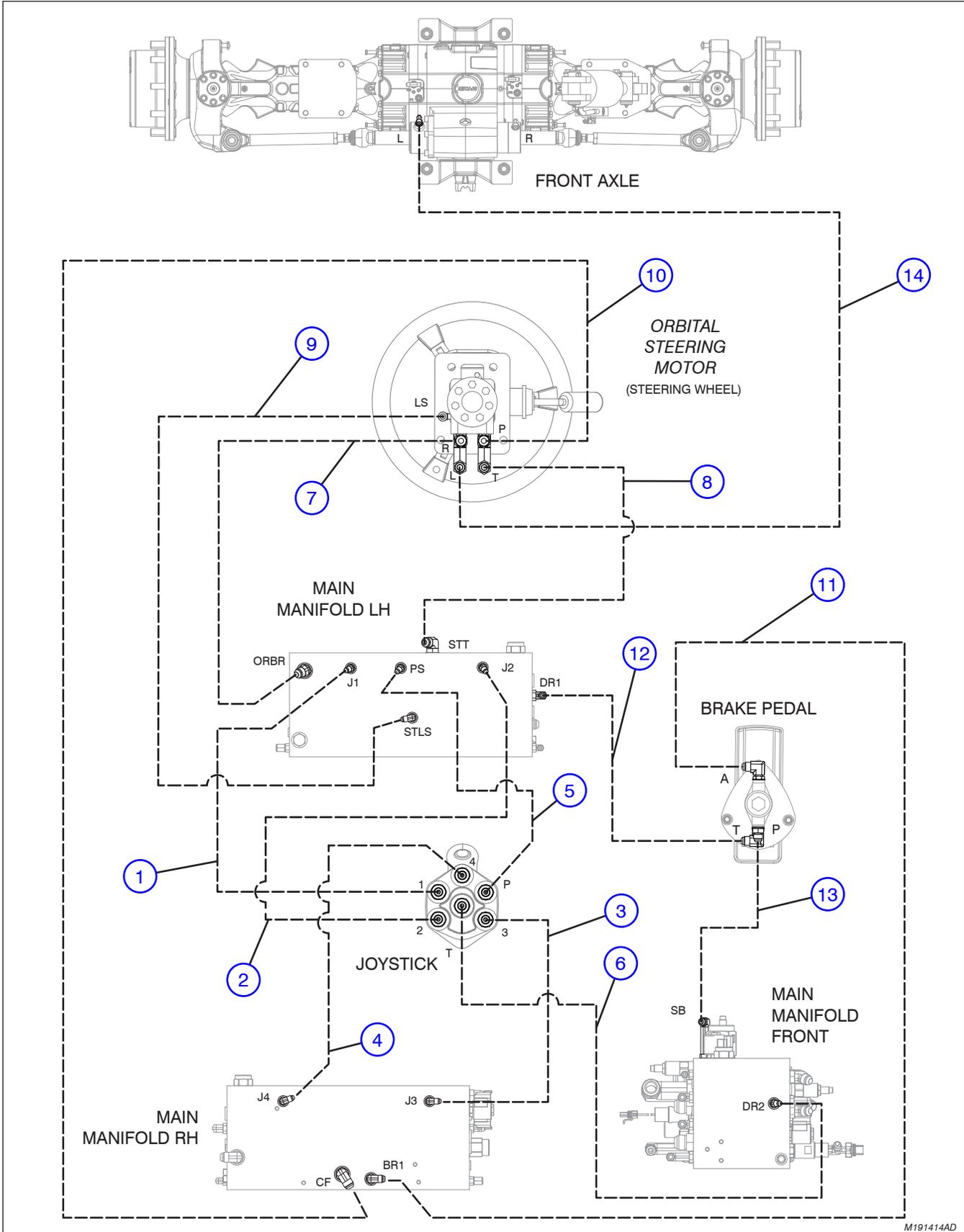
7.8 Brakes and Steering Hydraulic Hose Connections

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H340600150	Rear service brake	-	-	Rear service brake
2	H340600140	Front service brake	P2	P2	Front service brake
3	H340600130	Parking brake	P1	P1	Parking brake
4	H340601250	Main manifold	BR2	P2	Front service brake
5	H310801230	Main manifold	FCR	R	Front steer cylinder
6	H340600550	Main manifold	BR3	-	Rear service brake
7	H310800400	Main manifold	RCL	L	Rear steer cylinder
8	H310800400	Main manifold	RCR	R	Rear steer cylinder
9	H340601320	Main manifold	PB	P1	Front parking brake



M191413AB-2

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H663200360	Pump suction	S	-	Hydraulic tank
2	H310401150	Main manifold	LS	X	Pump load sense
3	H651600870	Main manifold	P12	P	Pump
4	H201600830	Main manifold	T1	IN	Return filter
5	H202000190	Return filter	OUT	-	Hydraulic tank
6	H340800610	Main manifold	DRAIN	-	Hydraulic tank
7	H311200470	Pump top case drain	L	-	Hydraulic tank

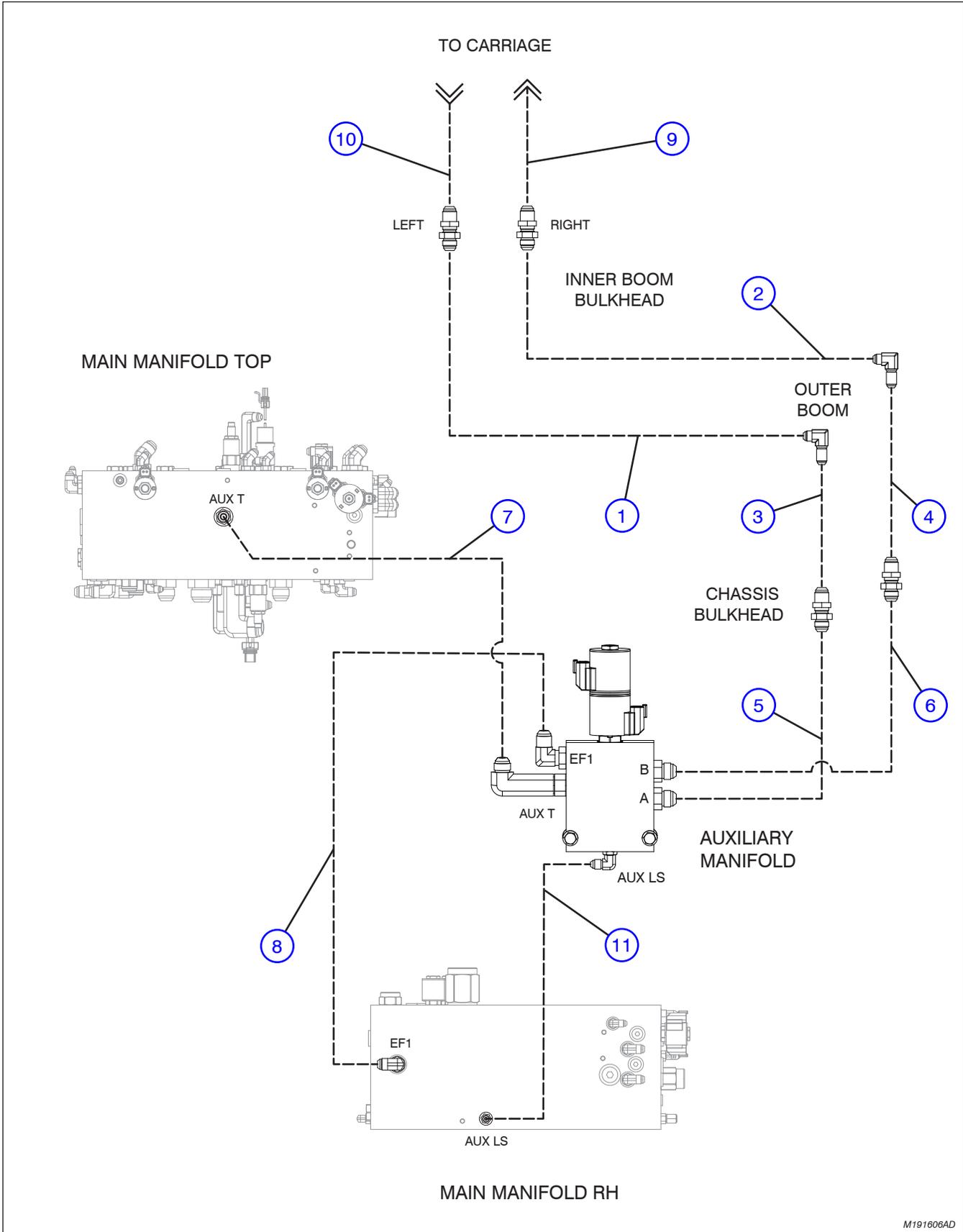


M191414AD

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H310401050	Main manifold	J1	1	Joystick
2	H310401180	Main manifold	J2	2	Joystick
3	H310401060	Main manifold	J3	3	Joystick
4	H310401180	Main manifold	J4	4	Joystick
5	H310401100	Main manifold	PS	P	Joystick
6	H310401040	Main manifold	DR2	T	Joystick
7	H310801240	Main manifold	ORBR	R	Steering console
8	H310801380	Main manifold	STT	T	Steering console
9	H310401310	Main manifold	STLS	LS	Steering console
10	H310801400	Main manifold	CF	P	Steering console
11	H310601260	Main manifold	BR1	A	Brake pedal
12	H310601300	Main manifold	DR1	T	Brake pedal
13	H310601260	Main manifold	SB	P	Brake pedal
14	H310801190	Steering console	L	L	Front steer cylinder

7.11 Auxiliary Hydraulics Hoses

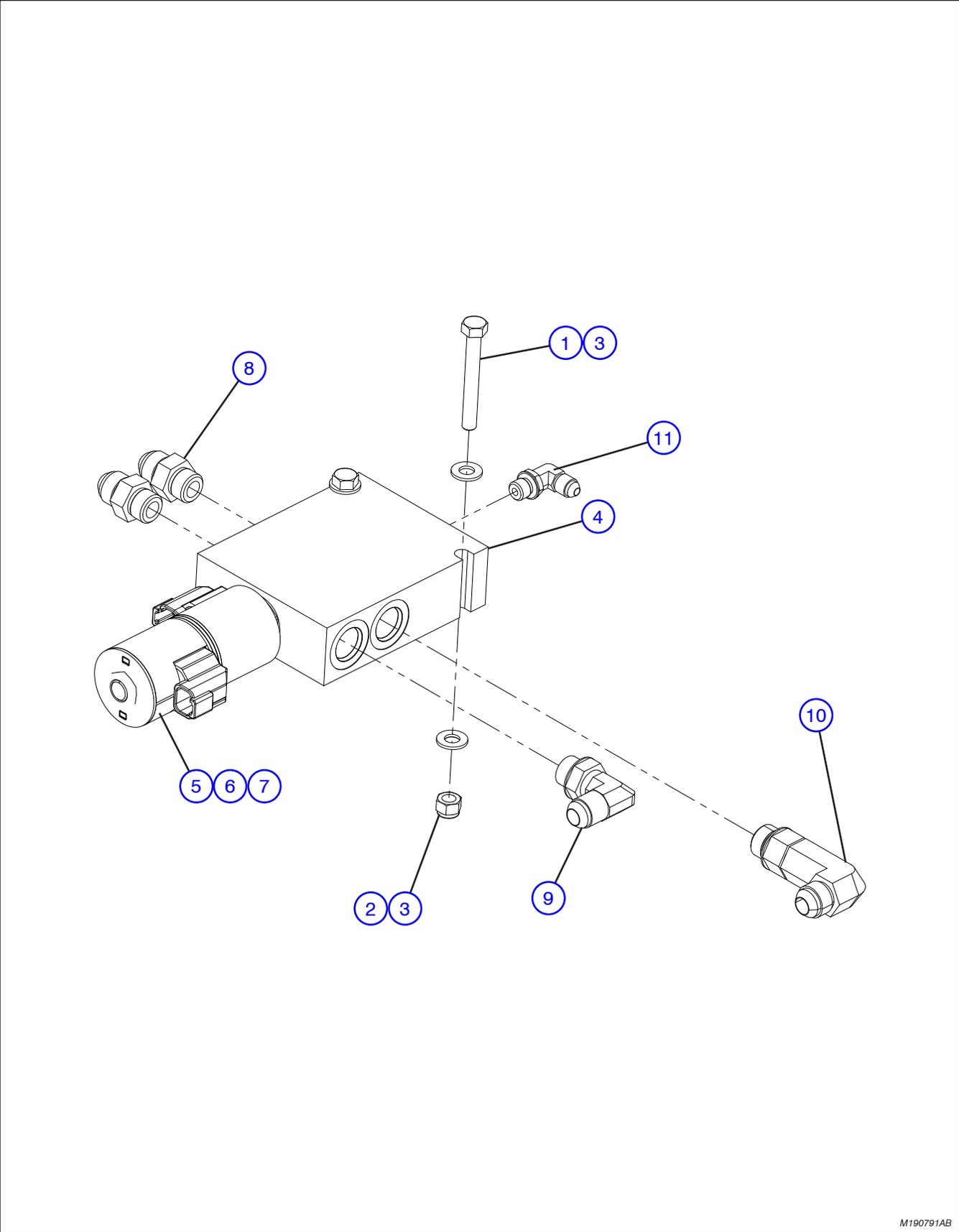
AB



M191606AD

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H310803380	Over hose sheave	A		
2	H310803380	Over hose sheave	B		
3	H340801770	Under boom	A		
4	H340801770	Under boom	B		
5	H340800360	Aux. manifold	A		Chassis bulkhead
6	H340800360	Aux. manifold	B		Chassis bulkhead
7	H360800430	Main manifold	aux T	aux T	Aux. manifold
8	H310800300	Main manifold	aux EF1	aux EF1	Aux. manifold
9	H310800420	Carriage, extend/retract	B		
10	H310800420	Carriage, tank	A		
11	H360400500	Main manifold	aux LS	aux LS	Aux manifold

**7.12 Auxiliary Manifold Assembly**



M190791AB

## 7.12 Auxiliary Manifold Assembly

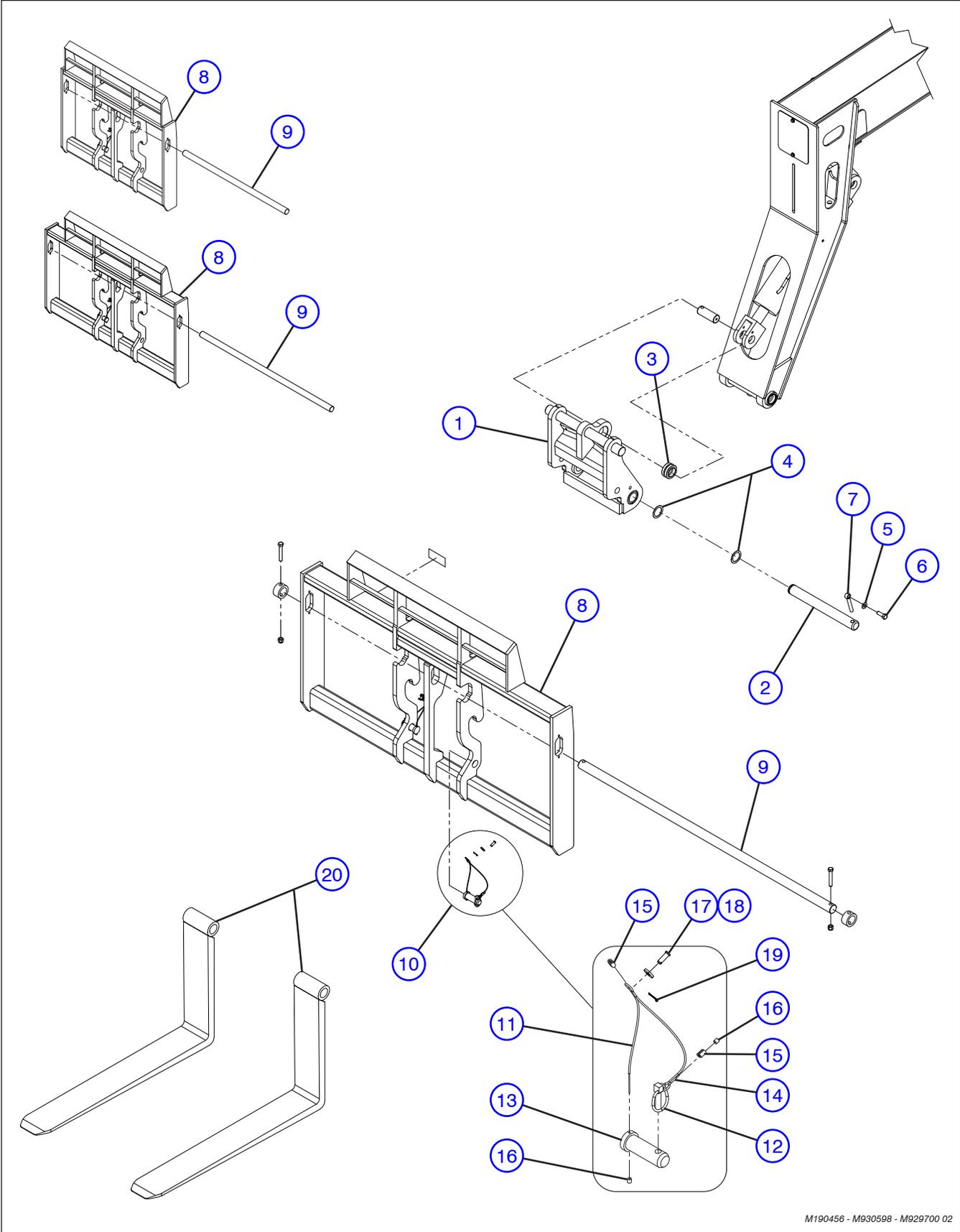
Index No.	Skyjack Part No.	Qty.	Description
-	9-190791	1	ASSEMBLY, AUXILIARY MANIFOLD
1	9-103884	2	• BOLT, Hex head 5/16"-18 X 2-1/2" grade 5
2	9-103984	2	• NUT, Lock with nylon insert 5/16"-18 grade 5
3	9-103996	4	• WASHER, Flat 5/16" SAE
-	9-190559	1	• MANIFOLD, AUXILIARY SUB ASSEMBLY
4	9-169033	1	• • AUXILIARY MANIFOLD
5	9-191797	1	• • • VALVE Solenoid 5 way, 3 position
6	9-168057	2	• • • COIL, #10
7	9-191801	1	• • • VALVE, Check disc
8	9-102659	2	• • FITTING, 8 SAE TO -8 JIC
9	9-114583	1	• • FITTING, 90° (08 JICM - 08ORBM)
10	9-702798	1	• • FITTING, 90° (08ORBM- 08JICM)
11	9-125883	1	• • FITTING, 90° (04JICM-04ORBM)



- 8.1 Quick Attach Carrier/  
Carriage and Forks  
Installation
- 8.2 Side-Tilt Carriage  
Installation
- 8.3 48" & 60" Side-Tilt Carriage  
- Internal Breakdown
- 8.4 72" Side-Tilt Carriage -  
Internal Breakdown
- 8.5 72" Swing Carriage  
Installation
- 8.6 72" Swing Carriage  
Assembly
- 8.7 Carriage Forks Bar
- 8.8 Truss Boom Attachment -  
12' & 15'
- 8.9 Loader Bucket Attachment
- 8.10 2' Jib Boom Attachment

8.1 Quick-Attach Carrier / Carriage and Forks Installation

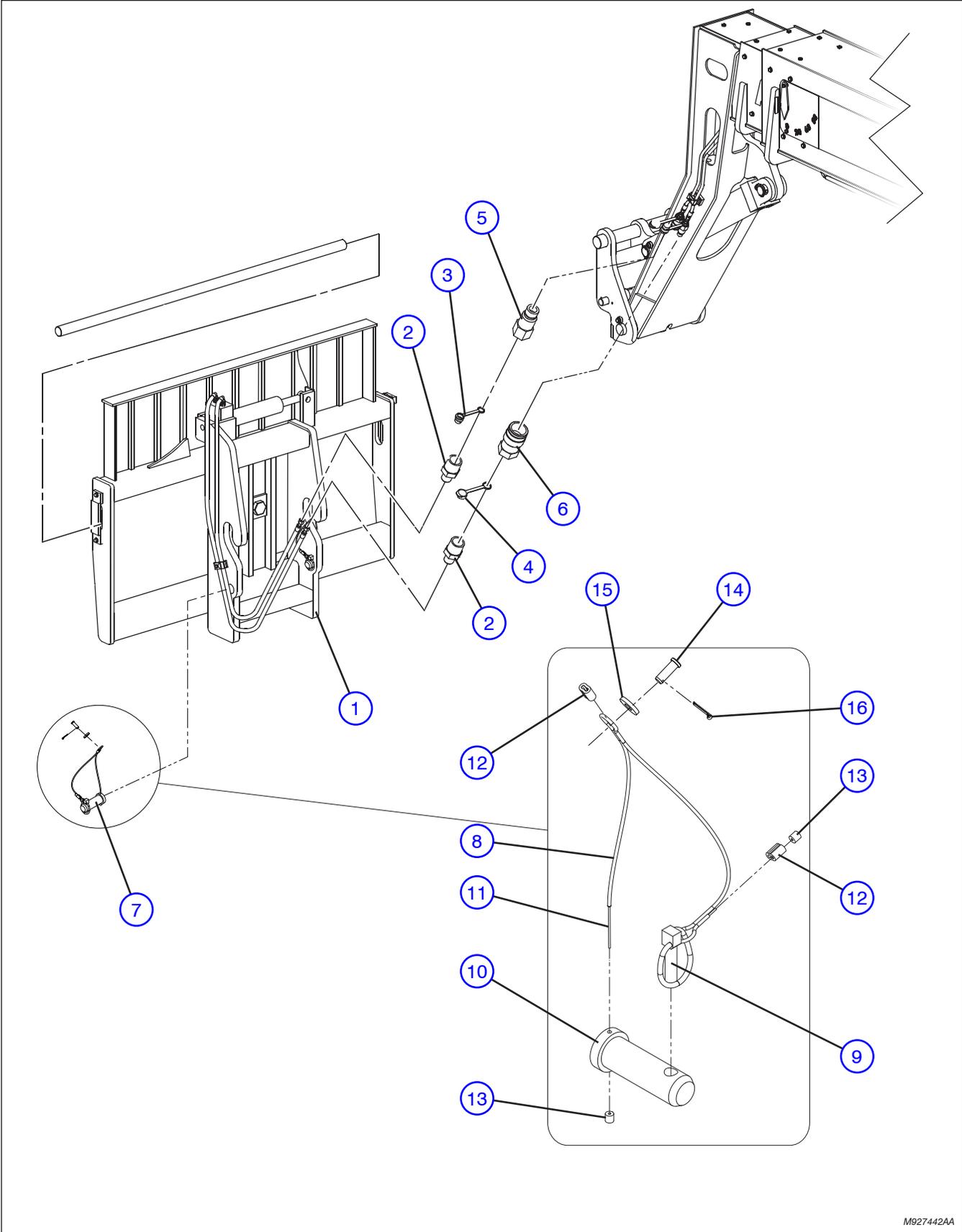
AC



M190456 - M930598 - M929700 02

Index No.	Skyjack Part No.	Qty.	Description
-	9-190456	1	QUICK ATTACH CARRIER INSTALLATION
1	9-190016	1	• WELDMENT, Apron
2	9-190017	1	• PIN, 1.993" DIA X 18.5" long
3	9-920767	1	• BEARING, Spherical
4	9-931602	2	• WASHER, Thrust
5	9-100352	1	• WASHER, Flat
6	9-148944	1	• BOLT, Hex head patch 5/8"-11 X 1-3/4" grade 8
7	9-146898	1	• PIN, Keeper 5/8"
A	9-930717	1	ASSEMBLY, CARRIAGE 10K 48" QA
B	9-930714	1	ASSEMBLY, CARRIAGE 10K 60" QA
C	9-930599	1	ASSEMBLY, CARRIAGE 10K 72" QA
8	9-930718	1	• WELDMENT, Carriage 10K 48" QA <b>A</b>
	9-930715	1	• WELDMENT, Carriage 10K 60" QA <b>B</b>
	9-930600	1	• WELDMENT, Carriage 10K 72" QA <b>C</b>
9	(Ref.)	1	• BAR, Forks 48" <b>A</b> (For components, refer to Section 8.7)
	(Ref.)	1	• BAR, Forks 60" <b>B</b> (For components, refer to Section 8.7)
	(Ref.)	1	• BAR, Forks 72" <b>C</b> (For components, refer to Section 8.7)
10	9-923565	1	• ASSEMBLY, Teather pin 63mm QA
11	9-923562	2	• • ASSEMBLY, Teather pin 63mm
12	9-923135	1	• • • PIN, Lynch 7/16" X 1-3/4" long
13	9-923134	1	• • • PIN, Quick attach
14	9-923555	1	• • • TEATHER, Vinyl coated 22.5"
15	9-923558	2	• • • CLAMP, 1/8" oval compression sleeve
16	9-923559	2	• • • CLAMP, Stop compression sleeve
17	9-932646	2	• • PIN, Clevis
18	9-933735	2	• • WASHER, M10
19	9-933615	2	• • PIN, Cotter
20	-	1	ASSEMBLY, Forks
	9-929702	1	• FORKS, Standard taper 2.25 X 5 X 48
	9-929703	1	• FORKS, Standard taper 2.25 X 5 X 60
	9-921329	1	• FORKS, Standard taper 2.25 X 5 X 72
	9-929700	1	• FORKS, Fully tapered 1.75 X 7 X 48

**8.2 Side-Tilt Carriage Installation**



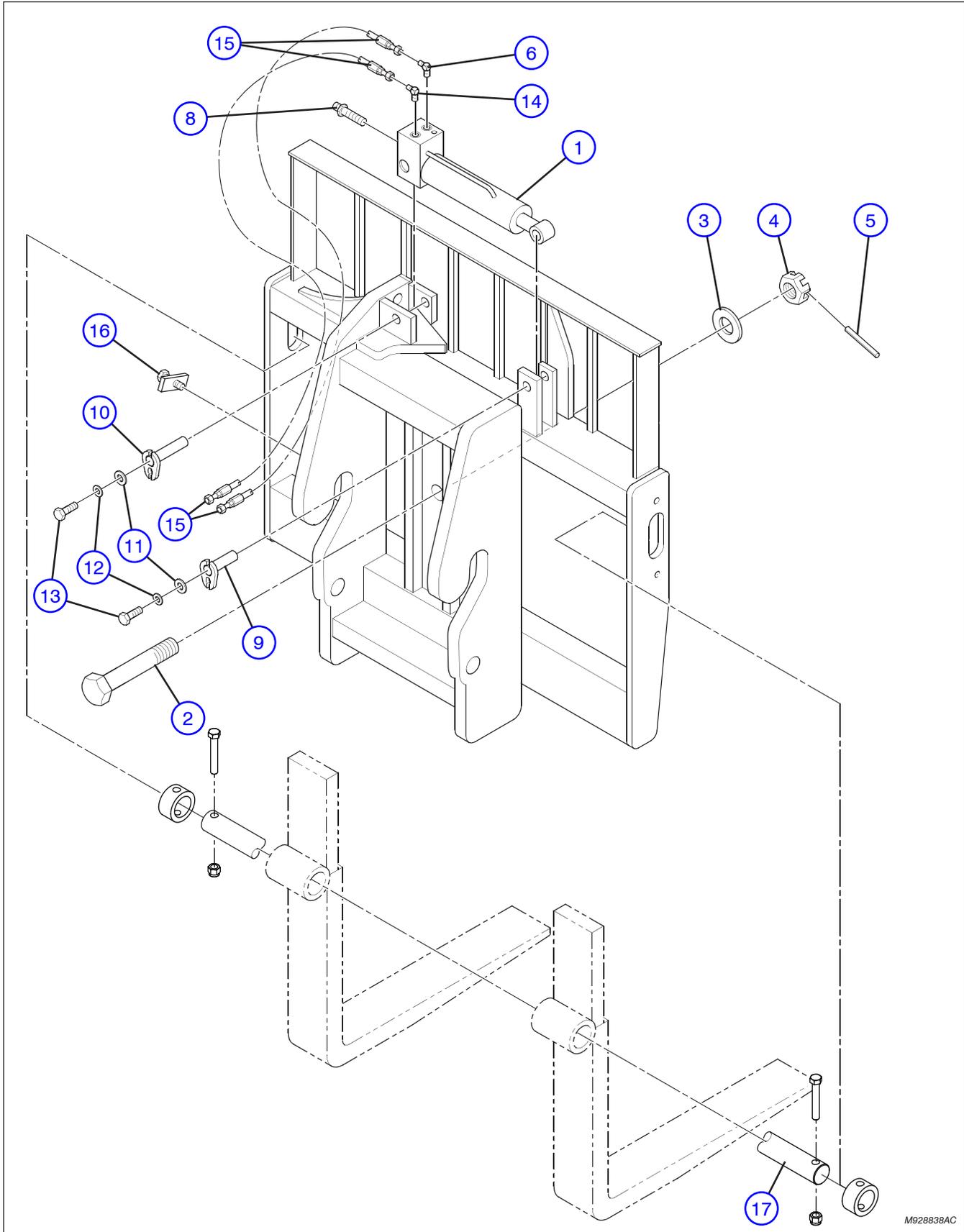
M927442AA

## 8.2 Side-Tilt Carriage Installation

Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	9-927442	1	48" Side Tilt Carriage
<b>B</b>	9-927445	1	60" Side Tilt Carriage
-	(Ref.)	1	72" Side Tilt Carriage (For components, refer to Section 8.4)
1	(Ref.)	1	• CARRIAGE, 48" Side tilt quick attach <b>A</b> (For components, refer to Section 8.3)
-	(Ref.)	1	• CARRIAGE, 60" Side tilt quick attach <b>B</b> (For components, refer to Section 8.3)
2	9-933277	2	• FITTING, Straight (06 JICM) 10 SAE
3	9-926080	1	• CAP, Quick connect dust nipple
4	9-926079	1	• CAP, Quick connect dust coupler
5	9-926078	1	• COUPLING, Quick disconnect nipple
6	9-926077	1	• COUPLING, Quick disconnect (Flat-Faced)
7	9-923563	1	• ASSEMBLY, Teather pin 70 mm Quick Attach
8	9-923560	2	• • ASSEMBLY, Teather pin 70 mm
9	9-923135	1	• • • PIN, Lynch 7/16" X 1-3/4" long
10	9-923169	1	• • • PIN, Quick attach
11	9-923555	1	• • • TEATHER, Vinyl coated 22.5"
12	9-923558	2	• • • CLAMP, 1/8" oval compression sleeve
13	9-923559	2	• • • CLAMP, Stop compression sleeve
14	9-932646	2	• • PIN, Clevis
15	9-933735	2	• • WASHER, M10
16	9-933615	2	• • PIN, Cotter

8.3 48" and 60" Side Tilt Carriage - Internal Breakdown

AC

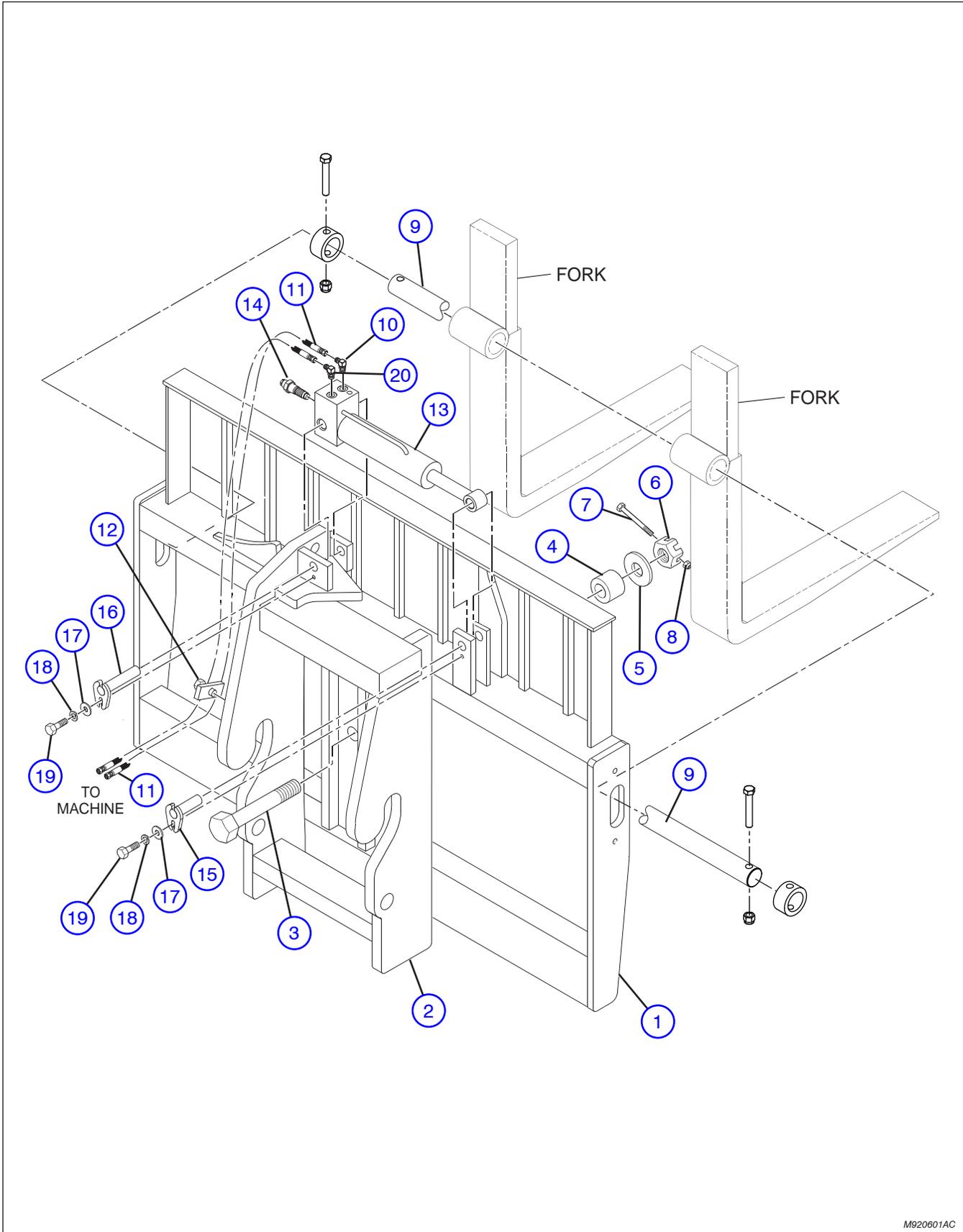


M928838AC

Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	9-928838	1	48" Side Tilt Carriage
<b>B</b>	9-928840	1	60" Side Tilt Carriage
1	9-926325	1	• CYLINDER
-	9-929482	1	• • KIT, Seal
2	9-929483	1	• BOLT, Hex
3	9-929484	1	• WASHER, Flat
4	9-929485	1	• NUT, Castle
5	9-929486	1	• PIN, Split
6	9-929502	1	• FITTING With orifice
7	9-929500	1	• KIT, Hose (Not Shown)
8	9-929490	2	• VALVE, Center
-	9-929491	2	• • KIT, O-Ring
9	9-929492	1	• PIN, Locking
10	9-929493	1	• PIN, Locking
11	9-929494	2	• WASHER, Flat
12	9-929495	2	• WASHER, Lock
13	9-929496	2	• SCREW, Machine
14	9-929497	1	• FITTING, 90°
15	9-929498	2	• HOSE
16	9-929499	1	• CLAMP, Hose
17	(Ref.)	1	• BAR, Fork <b>A</b> (For components, refer to Section 8.7)
-	(Ref.)	1	• BAR, Fork <b>B</b> (For components, refer to Section 8.7)

8.4 72" Side-Tilt Carriage - Internal Breakdown

AC

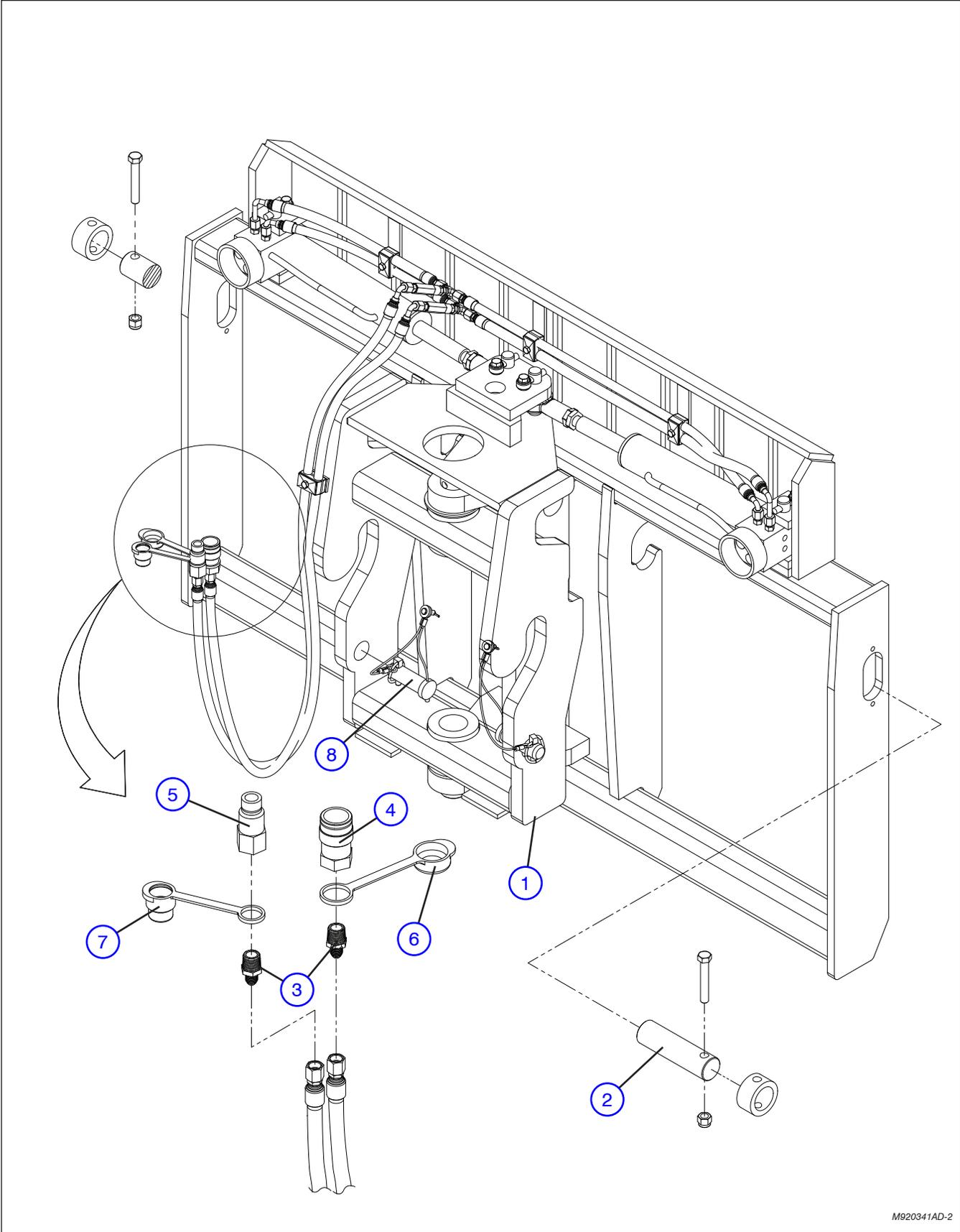


M920601AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-920601	1	72" Side Tilt Carriage
1	9-922634	1	• FRAME, Front
2	9-922635	1	• FRAME, Rear
3	9-922636	1	• BOLT, Hex head
4	9-922637	1	• SPACER, Bearing
5	9-922638	1	• WASHER
6	9-922639	1	• NUT, Hex
7	9-922640	1	• SCREW, Hex head cap
8	9-922641	1	• NUT, Hex
9	(Ref.)	1	• BAR, Forks side tilt 72" (For components, refer to Section 8.7)
10	9-922650	1	• FITTING
11	9-922651	2	• ASSEMBLY, Hose
12	9-922652	1	• CLAMP, Hose
13	9-922645	1	• Cylinder
-	9-922654	1	• • KIT, Cylinder packing
14	9-922646	2	• VALVE, Center
15	9-922647	1	• PIN, Locking
16	9-929493	1	• PIN, Locking
17	9-929494	2	• WASHER, Flat
18	9-929495	2	• WASHER, Lock
19	9-922648	2	• SCREW, Hex head
20	9-922649	1	• FITTING

8.5 72" Swing Carriage Installation

AC

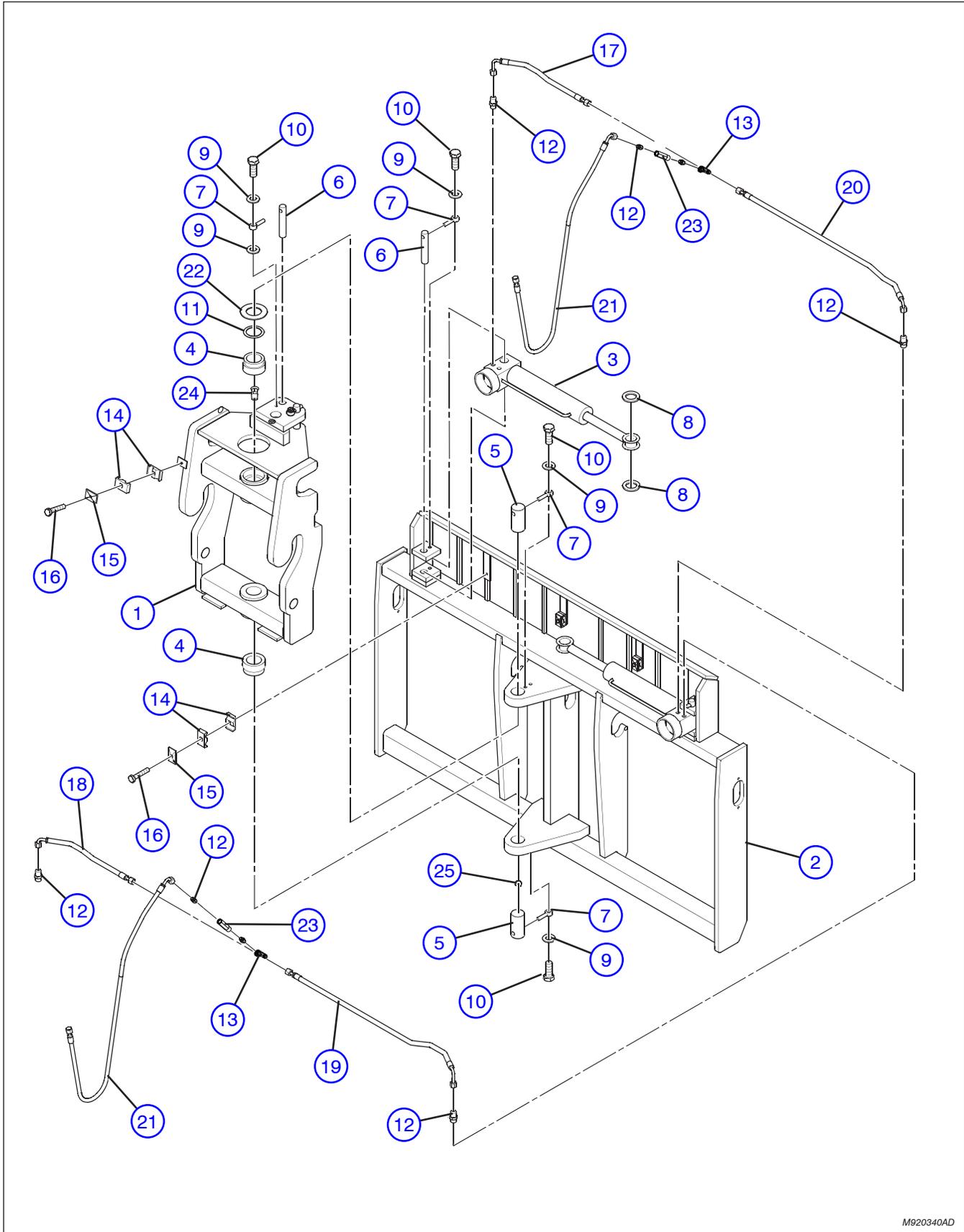


M920341AD-2

Index No.	Skyjack Part No.	Qty.	Description
-	9-920341	1	72" SWING CARRIAGE GROUP
1	(Ref.)	1	72" Swing Carriage Assembly (For components, refer to Section 8.6)
2	9-199026	1	<ul style="list-style-type: none"> <li>• BAR, Forks 72"</li> </ul> (For components, refer to Section 8.7)
3	9-933277	2	<ul style="list-style-type: none"> <li>• Adapter</li> </ul>
4	9-926077	1	<ul style="list-style-type: none"> <li>• COUPLER, Quick disconnect</li> </ul>
5	9-926078	1	<ul style="list-style-type: none"> <li>• NIPPLE, Quick disconnect</li> </ul>
6	9-926079	1	<ul style="list-style-type: none"> <li>• CAP, Quick connect coupler dust</li> </ul>
7	9-926080	1	<ul style="list-style-type: none"> <li>• CAP, Quick connect nipple dust</li> </ul>
8	9-923563	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, QA 70mm pin teather</li> </ul>

8.6 72" Swing Carriage Assembly

AC

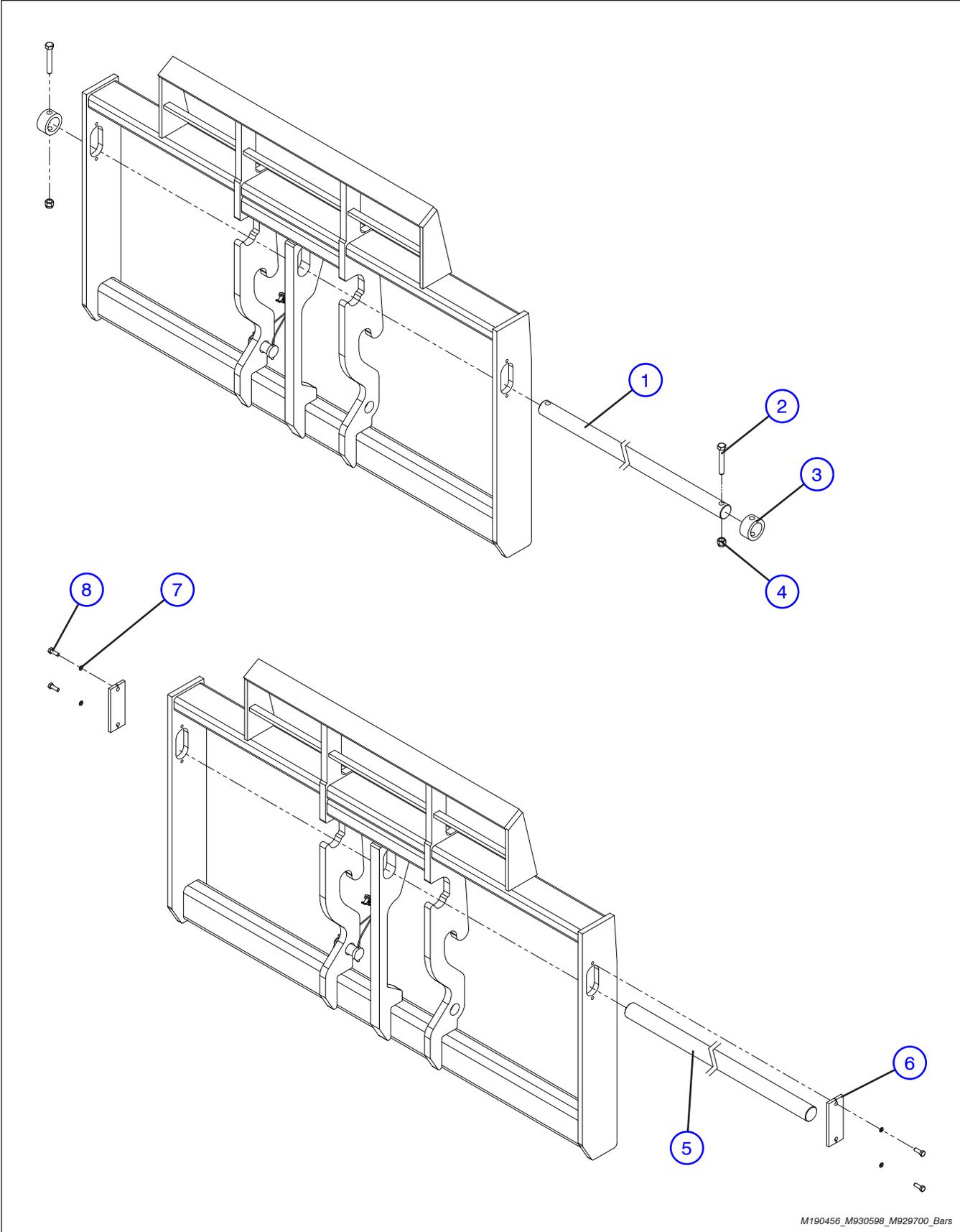


M920340AD

Index No.	Skyjack Part No.	Qty.	Description
-	9-920340	1	ASSEMBLY, SWING CARRIAGE 72"
1	9-930741	1	• SUPPORT, Carriage
2	9-930507	1	• Carriage
3	9-154882	2	• CYLINDER, Hydraulic
-	9-924967	4	• • CARTRIDGE
-	9-162680	2	• • KIT, Seal
4	9-923668	2	• BEARING
5	9-930515	2	• PIN
6	9-930516	4	• PIN
7	9-931568	6	• ANCHOR
8	9-932724	4	• WASHER, Flat
9	9-933817	8	• WASHER, Flat
10	9-933659	6	• SCREW, Hex head cap M12 x 1.75 x 30 Cl 10.9 zinc
11	9-933516	1	• WASHER, Flat
12	9-103069	8	• FITTING, Straight connector (6 SAE 37 - 6 ORB)
13	9-933393	2	• TEE
14	9-933048	8	• CLAMP, Insert
15	9-932668	4	• PLATE, Cover
16	9-933770	4	• SCREW, Hex head cap M8 x 1.25 x 40 Cl 8.8 zinc
17	9-923952	1	• Hose Assembly
18	9-923950	1	• Hose Assembly
19	9-923953	1	• Hose Assembly
20	9-923951	1	• Hose Assembly
21	9-930742	2	• Hose Assembly
22	9-931627	1	• WASHER, Thrust
23	9-920339	2	• VALVE, Flow control
24	9-933283	2	• FITTING, Grease

8.7 Carriage Forks Bar

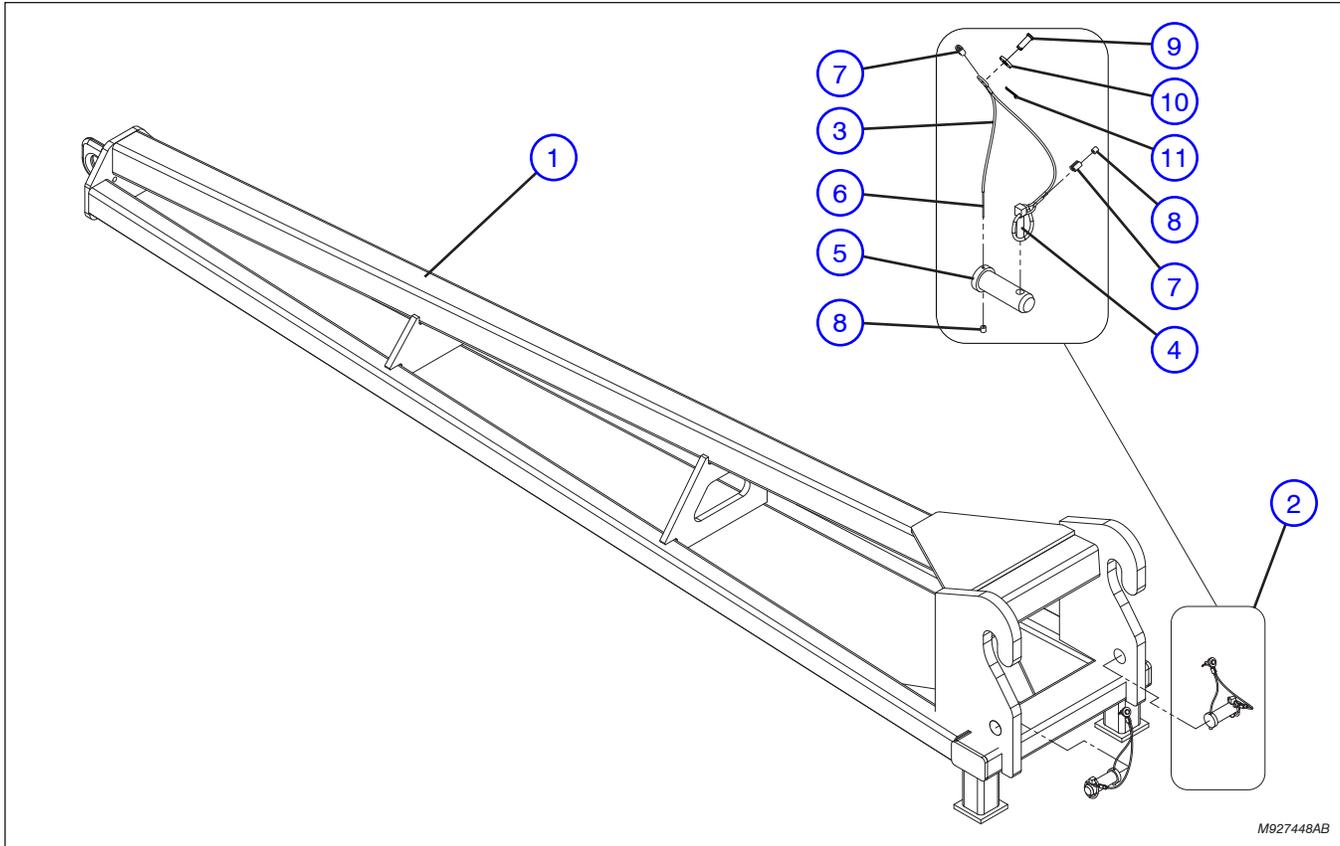
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M190456\_M930598\_M929700\_Bars

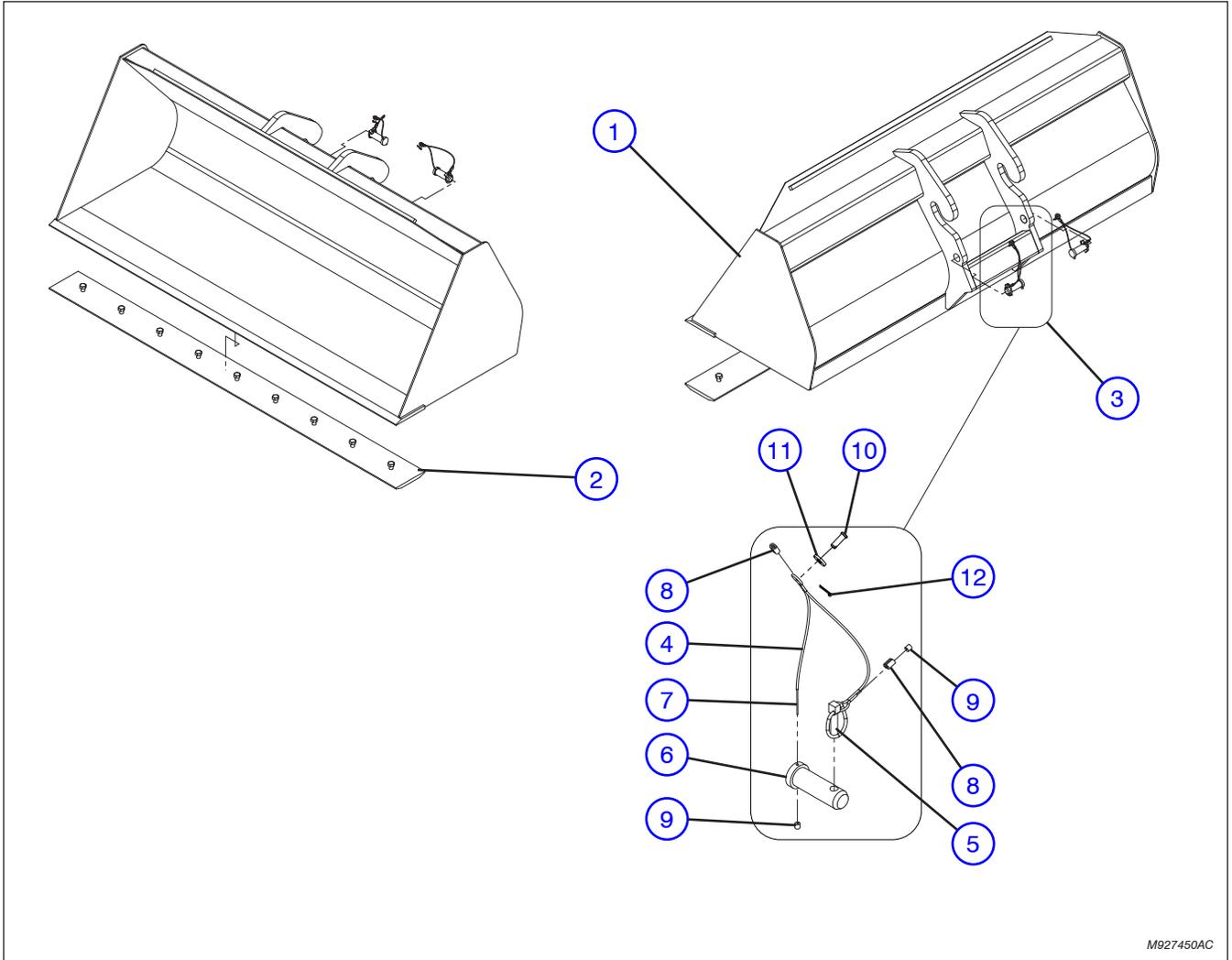
Index No.	Skyjack Part No.	Qty.	Description
1	9-198948	1	• BAR, Forks 48" carriage (51-1/2" long)
	9-199023	1	• BAR, Forks 60" carriage (63-1/2" long)
	9-199026	1	• BAR, Forks 72" carriage (75-1/2" long)
	9-199418	1	• BAR, Forks Side tilt Load 72" carriage (77" long)
2	9-192219	2	• BOLT, Hex head 5/8"-11 x 4" grade 8
3	9-198937	2	• COLLAR, 2" Fork bar
4	9-111577	2	• NUT, Lock with nylon insert 5/8"-11 grade 5
5	9-924110	1	• BAR, Forks 48" carriage (47-3/4" long)
	9-924109	1	• BAR, Forks 60" carriage (59-3/4" long)
	9-924108	1	• BAR, Forks 72" carriage (71-3/4" long)
	9-921630	1	• BAR, Forks Side tilt Load 72" carriage
6	9-931425	2	• PLATE
7	9-116218	4	• WASHER, Lock M8 plated DIN 127B
8	9-933634	4	• BOLT, Hex head cap M10 X 1-1/2" X 30mm CL 8.8YE

**8.8 Truss Boom Attachment - 12'**



Index No.	Skyjack Part No.	Qty.	Description
-	9-927448	1	BOOM GROUP, 12 FOOT TRUSS
1	9-928825	1	• BOOM, 12 foot Truss
2	9-923563	1	• ASSEMBLY, Teather pin 70 mm Quick Attach
3	9-923560	2	• • ASSEMBLY, Teather pin 70 mm
4	9-923135	1	• • • PIN, Lynch 7/16" X 1-3/4" long
5	9-923169	1	• • • PIN, Quick attach
6	9-923555	1	• • • TEATHER, Vinyl coated 22.5"
7	9-923558	2	• • • CLAMP, 1/8" oval compression sleeve
8	9-923559	2	• • • CLAMP, Stop compression sleeve
9	9-932646	2	• • PIN, Clevis
10	9-933735	2	• • WASHER, M10
11	9-933615	2	• • PIN, Cotter

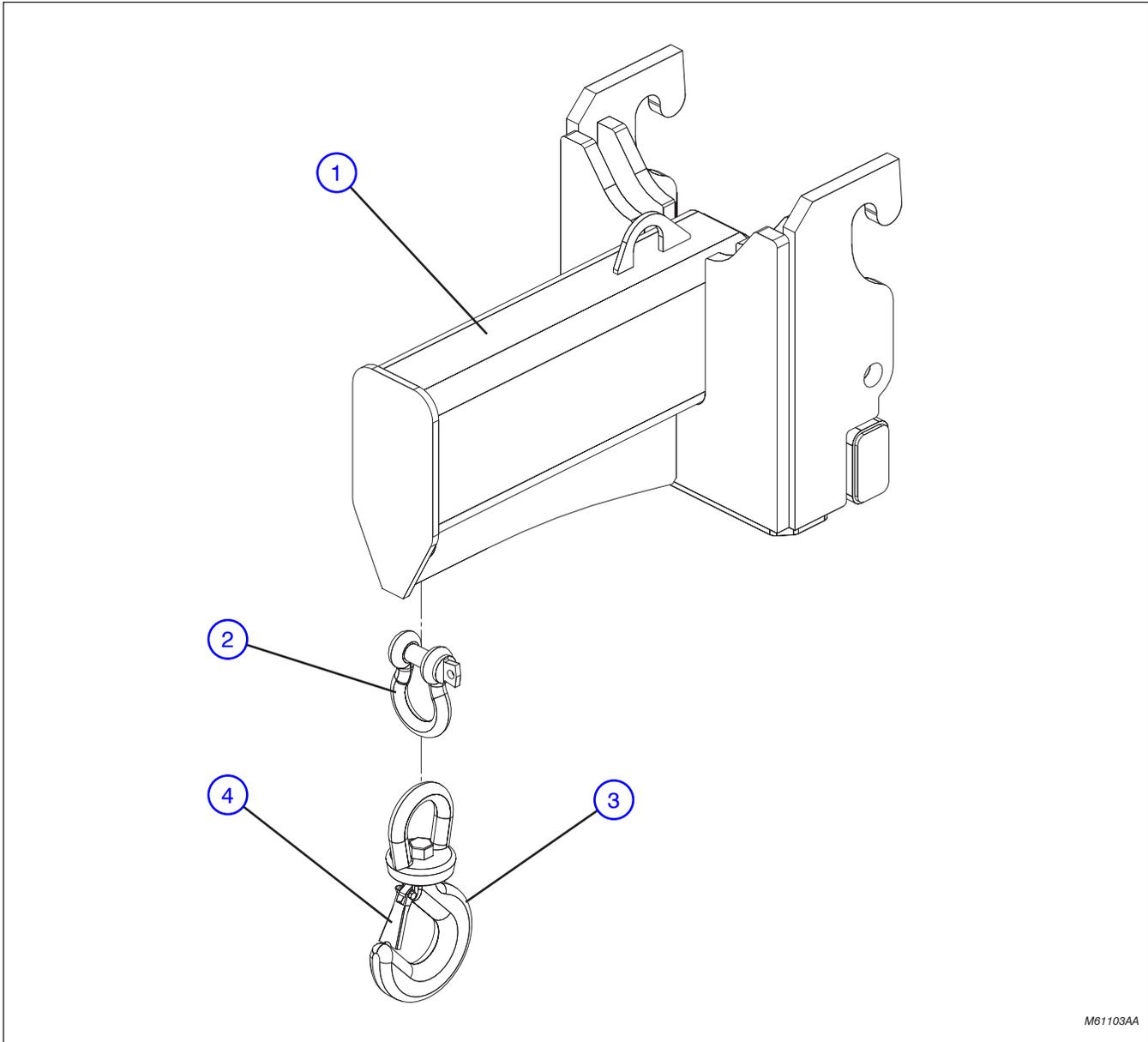
## 8.9 Loader Bucket Attachment



M927450AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-927450	1	BUCKET, 1.75 Cubic yard
1	9-927451	1	• BUCKET, 1.75 Cubic yard
2	9-160484	1	• PLATE, Cutting edge 96" bolt on
3	9-923563	1	• ASSEMBLY, Teather pin 70 mm Quick Attach
4	9-923560	2	• • ASSEMBLY, Teather pin 70 mm
5	9-923135	1	• • • PIN, Lynch 7/16" X 1-3/4" long
6	9-923169	1	• • • PIN, Quick attach
7	9-923555	1	• • • TEATHER, Vinyl coated 22.5"
8	9-923558	2	• • • CLAMP, 1/8" oval compression sleeve
9	9-923559	2	• • • CLAMP, Stop compression sleeve
10	9-932646	2	• • PIN, Clevis
11	9-933735	2	• • WASHER, M10
12	9-933615	2	• • PIN, Cotter

**8.10 2' Jib Boom Attachment**



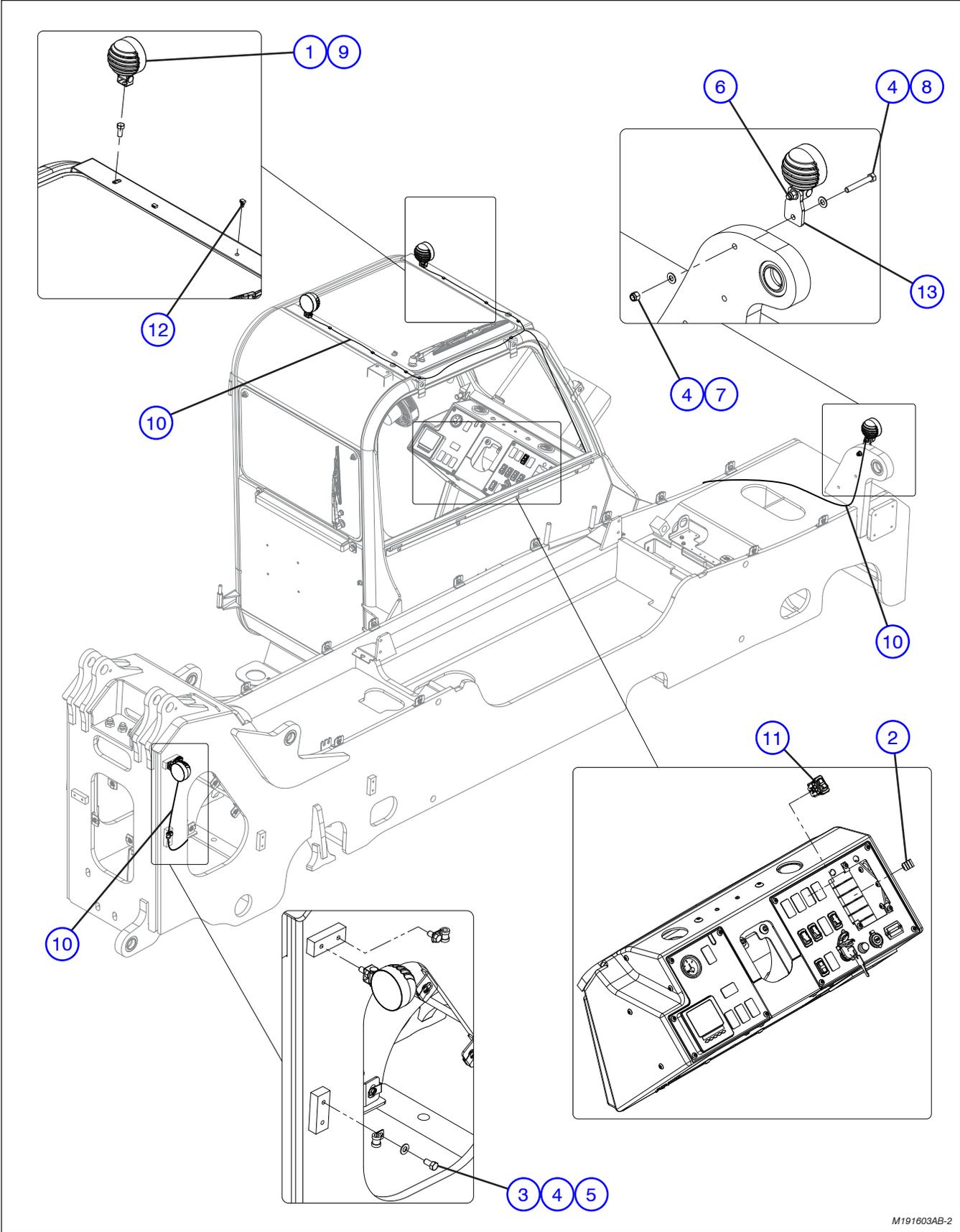
M61103AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-156748	-	ASSEMBLY, 2' Jib Boom (10,000 lb. Capacity)
1	9-156738	1	• WELDMENT, 2' Jib Boom
2	9-402653	1	• SHACKLE, 1.00" Nominal
3	9-402654	1	• HOOK, Swivel
4	9-414327	1	• LATCH KIT, Safety Swivel Hook

- |                                 |     |      |                              |
|---------------------------------|-----|------|------------------------------|
| Work Light Kit                  | 9.1 | 9.8  | Positive Air ShutOff         |
| Work Light Harness              | 9.2 | 9.9  | Positive Air ShutOff Harness |
| Road Lights Assembly            | 9.3 | 9.10 | Remote Axle Grease           |
| Road Light Front & Rear Harness | 9.4 | 9.11 | Reserve Brake                |
| Oil Quick Drain                 | 9.5 | 9.12 | Cold Weather Package         |
| Boom Lights Installation        | 9.6 | 9.13 | 4 Wheel Fender Assembly      |
| Boom Lights Harness             | 9.7 | 9.14 | Beacon light Assembly        |
|                                 |     | 9.15 | Pintle Hook Installation     |

9.1 Work Light Kit

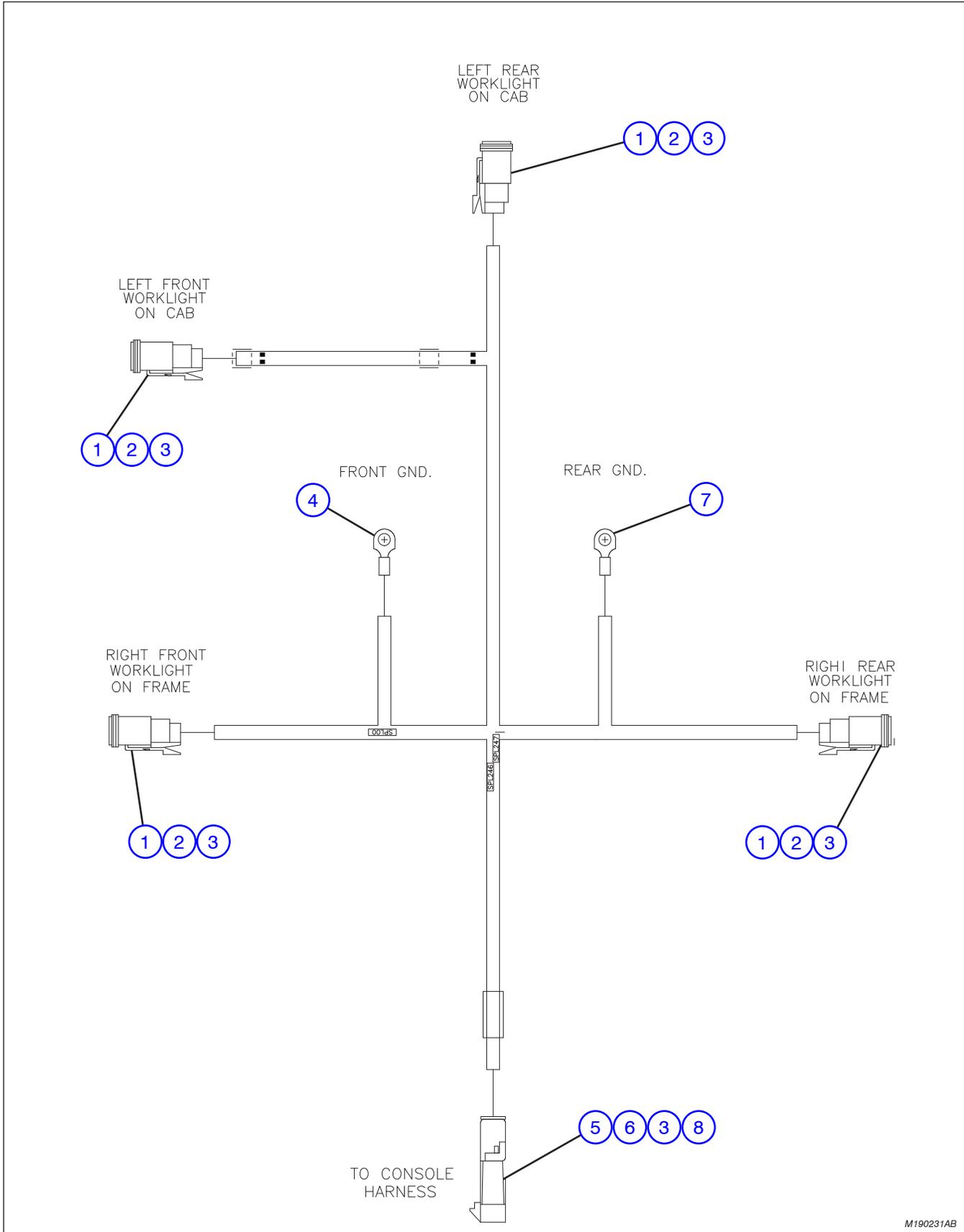
AB



M191603AB-2

Index No.	Skyjack Part No.	Qty.	Description
-	9-197107	1	ASSEMBLY, WORK LIGHTS
1	9-171888	4	<ul style="list-style-type: none"> <li>• LAMP, Work lamp</li> </ul>
2	9-156203	1	<ul style="list-style-type: none"> <li>• FUSE, 10A</li> </ul>
3	9-931964	2	<ul style="list-style-type: none"> <li>• CLAMP, Tube 3/8"</li> </ul>
4	9-103472	6	<ul style="list-style-type: none"> <li>• WASHER, Flat 3/8" SAE</li> </ul>
5	9-101632	3	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 3/4" grade 5</li> </ul>
6	9-103473	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 1" grade 5</li> </ul>
7	9-104606	3	<ul style="list-style-type: none"> <li>• NUT, Lock with nylon insert 3/8"-16 grade 5</li> </ul>
8	9-103873	1	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 2-1/2" grade 5</li> </ul>
9	9-300437	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head 3/8"-16 X 7/8" grade 5</li> </ul>
10	(Ref.)	1	<ul style="list-style-type: none"> <li>• HARNESS, Work light (For components, refer to Section 9.2)</li> </ul>
11	9-191457	1	<ul style="list-style-type: none"> <li>• SWITCH, 4 wheel/crab-turn-work light</li> </ul>
12	9-191865	8	<ul style="list-style-type: none"> <li>• PUSH MOUNT 1/4"</li> </ul>
13	9-190597	1	<ul style="list-style-type: none"> <li>• PLATE, Light mount</li> </ul>
14	9-197108	1	<ul style="list-style-type: none"> <li>• INSTRUCTIONS, Work lights Installation</li> </ul>

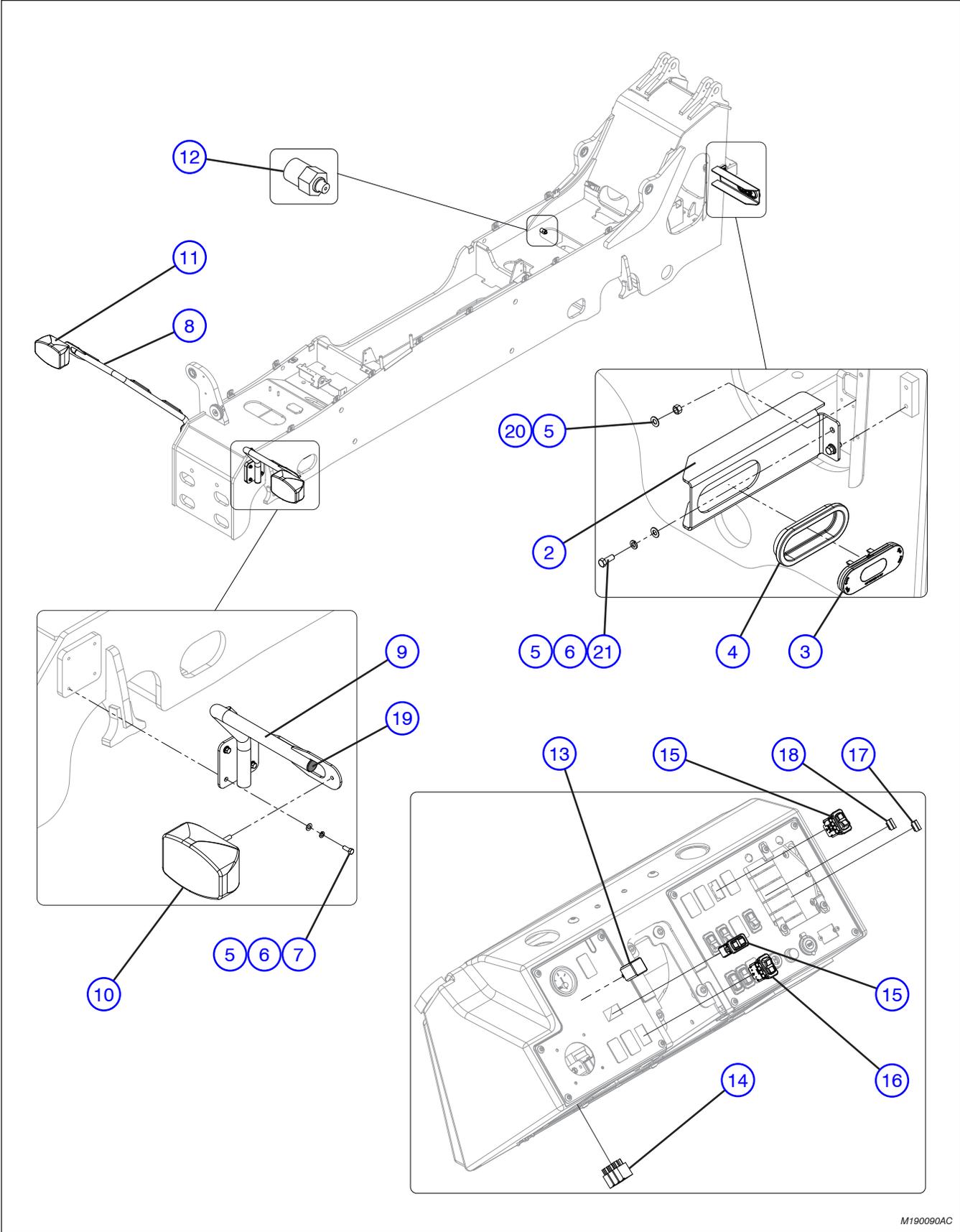
**9.2 Work Light Harness**



9.2 Work Light Harness

Index No.	Skyjack Part No.	Qty.	Description
-	9-190231	1	ASSEMBLY, WORK LIGHT HARNESS
1	9-117597	4	<ul style="list-style-type: none"> <li>• CONNECTOR, Plug 2-pin</li> </ul>
2	9-117599	8	<ul style="list-style-type: none"> <li>• CONNECTOR, Plug 2-pin wedge</li> </ul>
3	9-117591	10	<ul style="list-style-type: none"> <li>• CONNECTOR, Contact socket (16/18 GA)</li> </ul>
4	9-108172	1	<ul style="list-style-type: none"> <li>• TERMINAL, 3/8" Ring (12-10 AWG)</li> </ul>
5	9-156113	1	<ul style="list-style-type: none"> <li>• CONNECTOR, 3M W/P</li> </ul>
6	9-156139	2	<ul style="list-style-type: none"> <li>• TERMINAL, Male sealed (2.0-1.0 mm<sup>2</sup>), W/P</li> </ul>
7	9-102941	1	<ul style="list-style-type: none"> <li>• TERMINAL, 3/8" ring (14-16AWG)</li> </ul>
8	9-156104	1	<ul style="list-style-type: none"> <li>• PLUG CAVITY, 1W M/P 280 &amp; W/P</li> </ul>

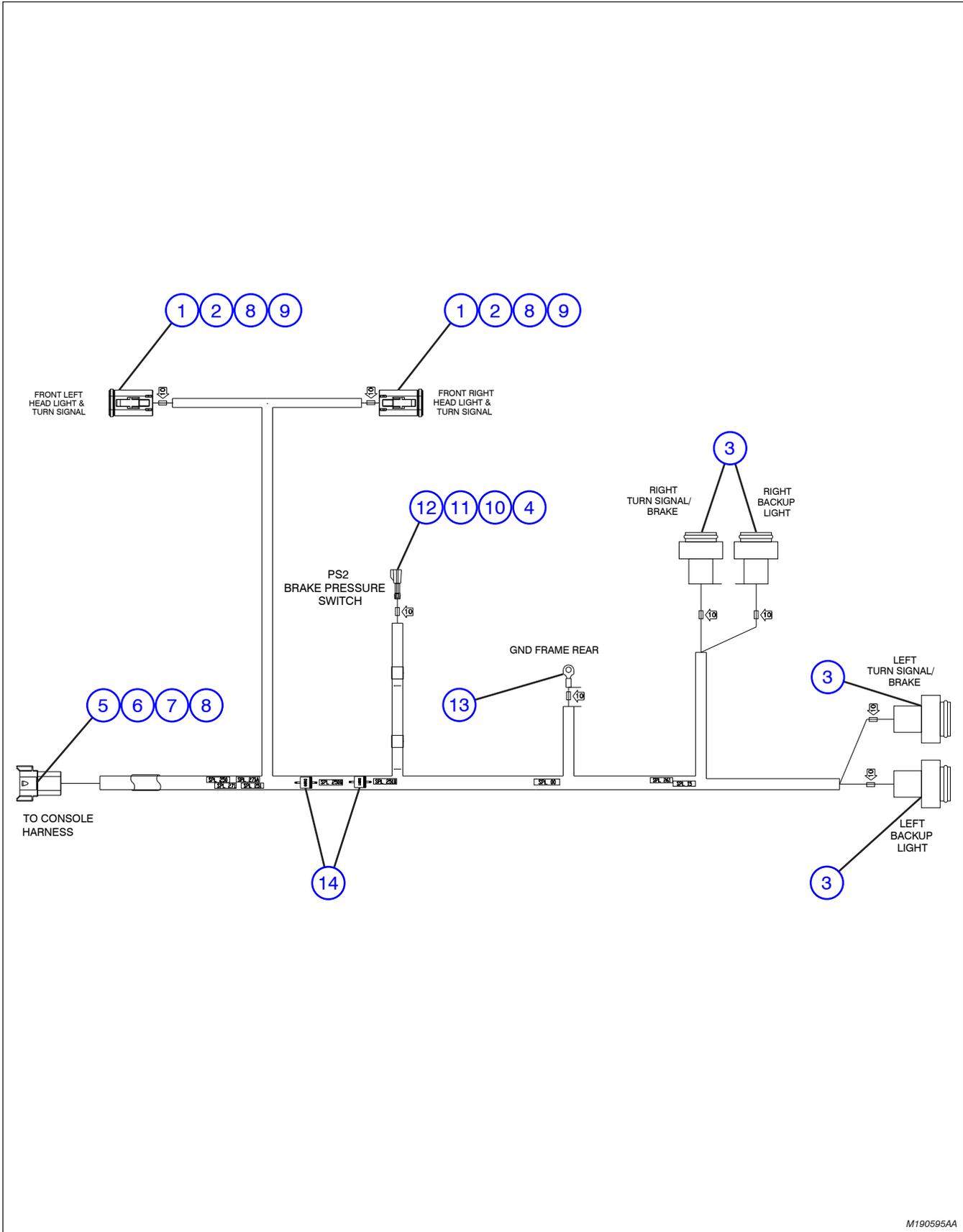
9.3 Road Lights Assembly



M190090AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-197105	1	ASSEMBLY, ROAD LIGHTS GROUP
1	(Ref.)	1	<ul style="list-style-type: none"> <li>HARNES, Road light front &amp; rear (Not Shown) (For components, refer to Section 9.4)</li> </ul>
2	9-191488	2	<ul style="list-style-type: none"> <li>BRACKET, Road light mount</li> </ul>
3	9-190578	2	<ul style="list-style-type: none"> <li>LIGHT, Stop / tail / turn / backup</li> </ul>
4	9-191758	2	<ul style="list-style-type: none"> <li>GROMMET, Oval lamp</li> </ul>
5	9-103472	13	<ul style="list-style-type: none"> <li>WASHER, Flat 3/8" SAE</li> </ul>
6	9-103999	12	<ul style="list-style-type: none"> <li>WASHER, Lock 3/8"</li> </ul>
7	9-103473	8	<ul style="list-style-type: none"> <li>BOLT, Hex head 3/8"-16 x 1" grade 5</li> </ul>
8	9-196304	1	<ul style="list-style-type: none"> <li>WELDMENT, Roadlight RH</li> </ul>
9	9-196213	1	<ul style="list-style-type: none"> <li>WELDMENT, Roadlight LH</li> </ul>
10	9-190596	1	<ul style="list-style-type: none"> <li>LIGHTS, Road front LH</li> </ul>
11	9-196380	1	<ul style="list-style-type: none"> <li>LIGHTS, Road front RH</li> </ul>
12	9-927724	1	<ul style="list-style-type: none"> <li>SWITCH, Brake light</li> </ul>
13	9-925386	1	<ul style="list-style-type: none"> <li>FLASHER</li> </ul>
14	9-931298	3	<ul style="list-style-type: none"> <li>RELAY</li> </ul>
15	9-191457	2	<ul style="list-style-type: none"> <li>SWITCH, 4 Wheel/crab-turn-work light</li> </ul>
16	9-191455	1	<ul style="list-style-type: none"> <li>SWITCH, Boomlight-haz-posi</li> </ul>
17	9-156202	1	<ul style="list-style-type: none"> <li>FUSE, 5A</li> </ul>
18	9-156204	1	<ul style="list-style-type: none"> <li>FUSE, 15A</li> </ul>
19	9-191903	4	<ul style="list-style-type: none"> <li>PLUG, Plastic 1-1/4" tube ID</li> </ul>
20	9-104606	1	<ul style="list-style-type: none"> <li>NUT, Lock with nylon insert 3/8"-16 Grade 5</li> </ul>
21	9-101632	4	<ul style="list-style-type: none"> <li>BOLT, Hex head 3/8"-16 x 3/4" Grade 5</li> </ul>
22	9-197106	4	<ul style="list-style-type: none"> <li>INSTRUCTIONS, Road lights installation</li> </ul>

### 9.4 Road Light Front & Rear Harness



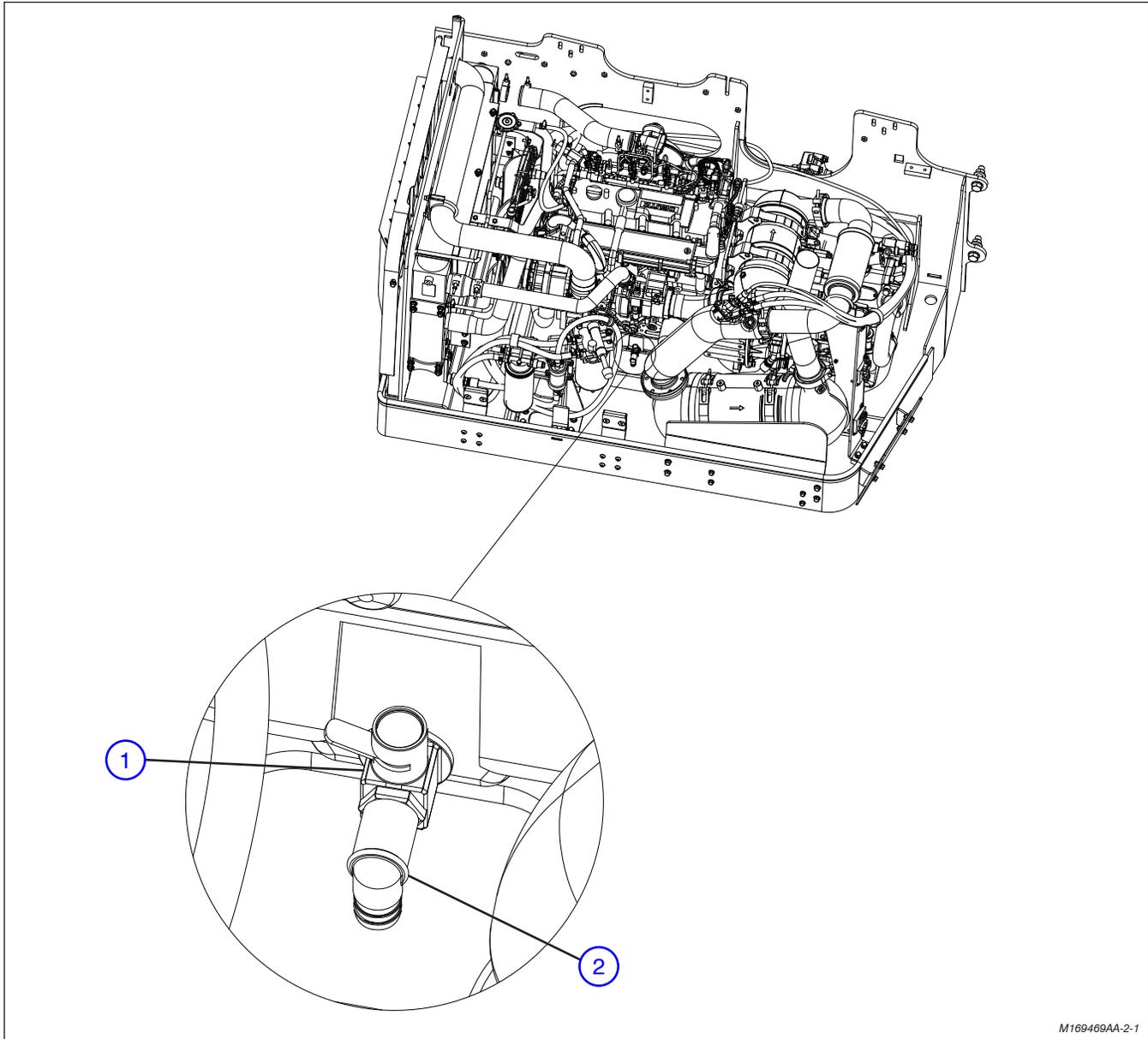
M190595AA

### 9.4 Road Light Front & Rear Harness

Index No.	Skyjack Part No.	Qty.	Description
-	9-190595	1	HARNESS, ROAD LIGHT FRONT & REAR
1	9-156180	2	CONNECTOR, 6F DT
2	9-156194	2	WEDGE, Plug
3	9-170479	4	ADAPTER, Plug
4	9-156120	2	TERMINAL, Male (1.0-0.8 mm <sup>2</sup> ), 280 M/P
5	9-117586	1	CONNECTOR, Receptacle 12-pin
6	9-117588	1	CONNECTOR, Receptacle 12-pin wedge
7	9-117590	9	CONNECTOR, Contact pin 16-18
8	9-117594	7	SEALING, Plug
9	9-117591	8	SOCKET (16-18 AWG), Solid
10	9-156144	1	CONNECTOR, 2m 280 M/P
11	9-156145	1	TPA, 2W 280 M/P
12	9-124369	2	WIRE SEAL, Green (2.9-2.0 mm), 280 M/P
13	9-108172	1	TERMINAL, 3/8" ring (12-10 AWG)
14	9-102921	2	DIODE, T6A40L

## 9.5 Oil Quick Drain

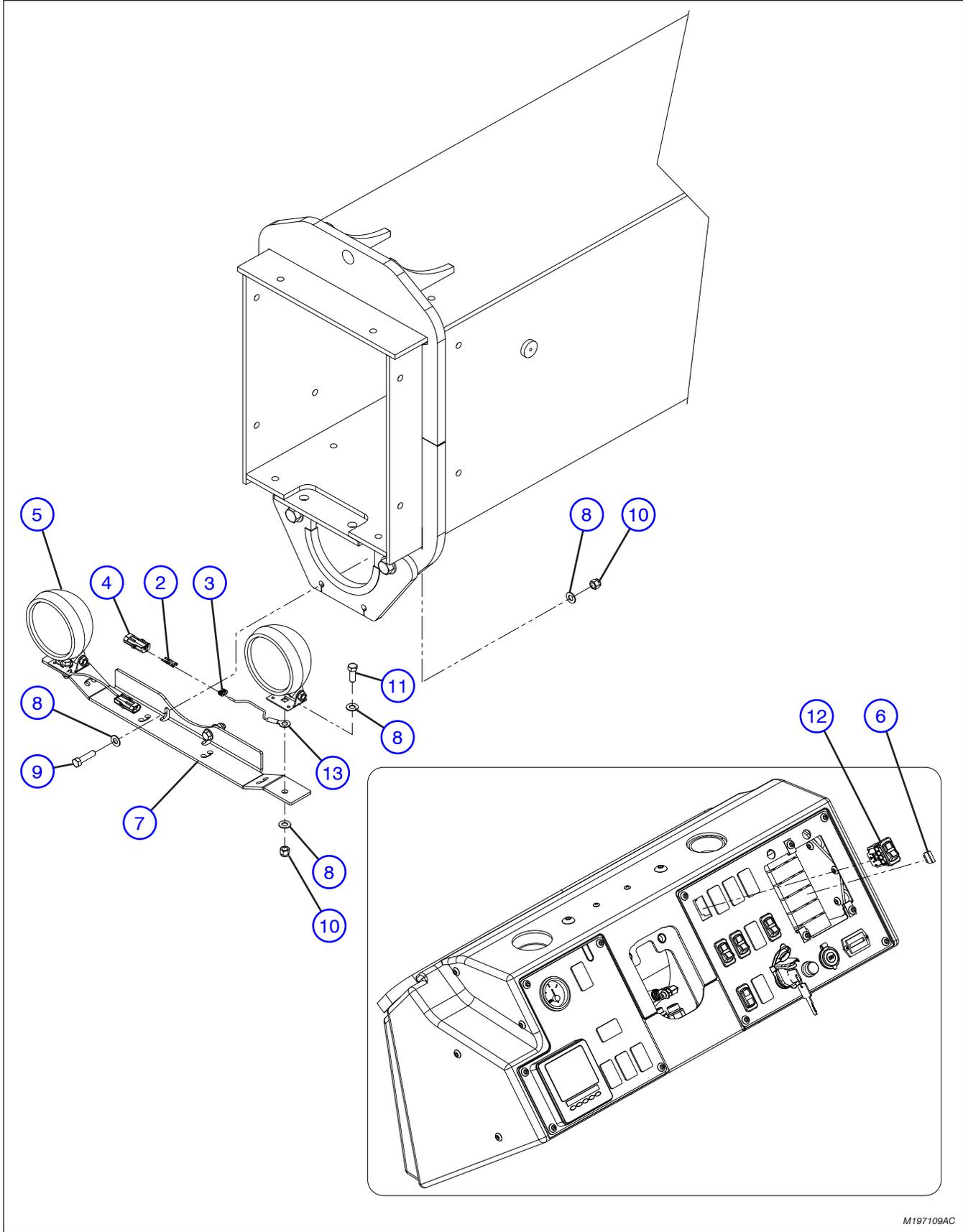
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M169469AA-2-1

Index No.	Skyjack Part No.	Qty.	Description
-	9-199052	-	VALVE, OIL QUICK DRAIN - DEUTZ
1	9-167431	1	• VALVE, Oil drain
2	9-167432	1	• FITTING, Elbow 90° Oil drain
3	9-199051	1	• INSTRUCTIONS, Oil quick drain

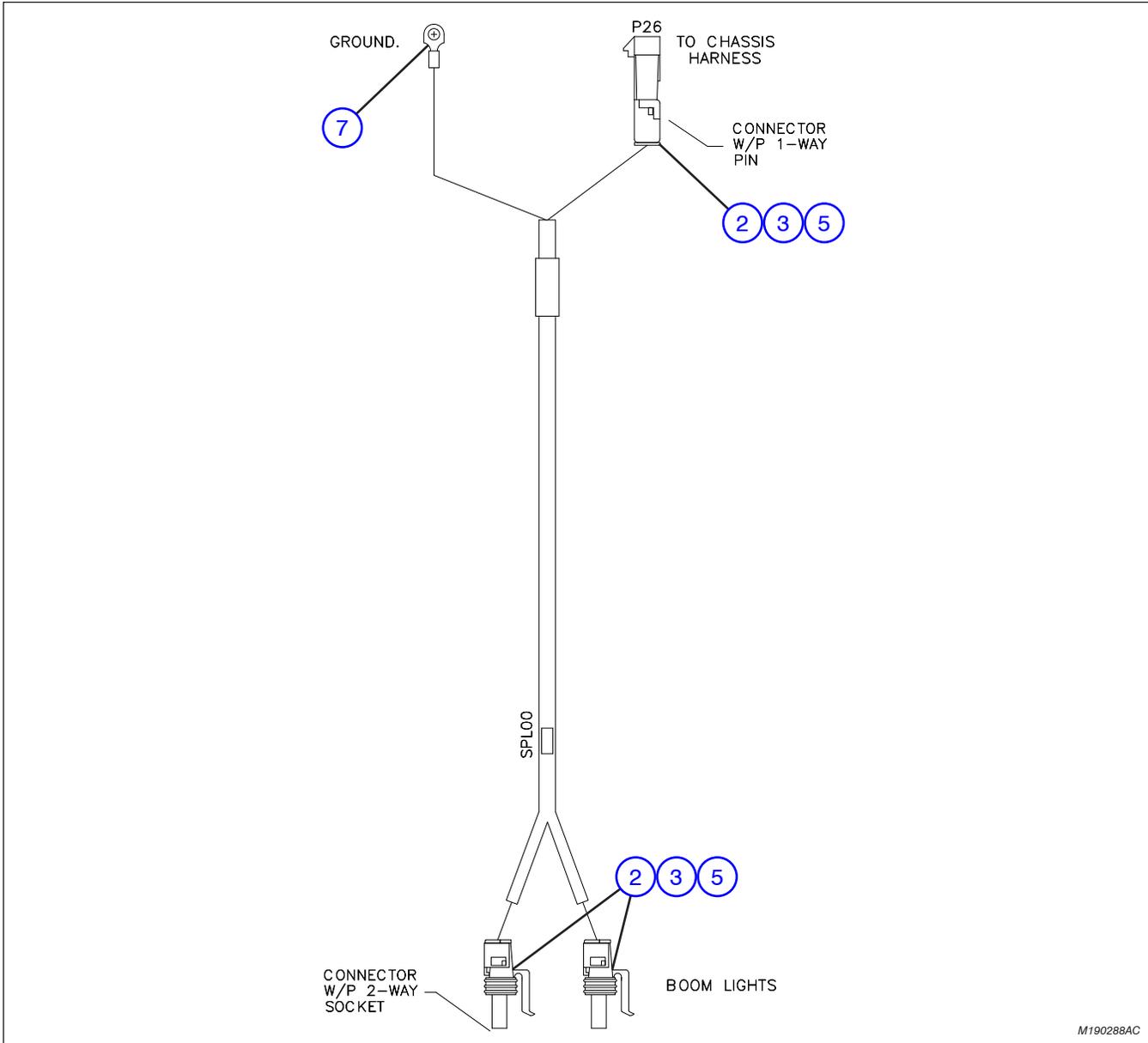




M197109AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-197109	1	ASSEMBLY, BOOM LIGHTS
1	(Ref.)	1	<ul style="list-style-type: none"> <li>HARNES, Boom light (Not Shown) (For components, refer to Section 9.7)</li> </ul>
2	9-932899	2	<ul style="list-style-type: none"> <li>CONNECTOR</li> </ul>
3	9-932898	4	<ul style="list-style-type: none"> <li>SEAL, Cable (packard connection)</li> </ul>
4	9-932897	4	<ul style="list-style-type: none"> <li>PIN, Male (packard connector)</li> </ul>
5	9-407592	2	<ul style="list-style-type: none"> <li>HEAD LIGHT, Halogen</li> </ul>
6	9-156203	1	<ul style="list-style-type: none"> <li>FUSE, 10A</li> </ul>
7	9-209359	1	<ul style="list-style-type: none"> <li>BRACKET, Boom light</li> </ul>
8	9-103472	9	<ul style="list-style-type: none"> <li>WASHER, 13/32" ID X 13/16" OD X 1/16" zinc</li> </ul>
9	9-103870	2	<ul style="list-style-type: none"> <li>BOLT, Hex head 3/8"-16 X 1-1/2" grade 5</li> </ul>
10	9-104606	5	<ul style="list-style-type: none"> <li>NUT, Lock with nylon insert 3/8"-16 grade 5</li> </ul>
11	9-103473	2	<ul style="list-style-type: none"> <li>BOLT, Hex head 3/8"-16 X 1" grade 5</li> </ul>
12	9-191455	1	<ul style="list-style-type: none"> <li>SWITCH, Boomlight-haz-posi</li> </ul>
13	9-152136	2	<ul style="list-style-type: none"> <li>WIRE, Work light ground</li> </ul>
14	9-197110	1	<ul style="list-style-type: none"> <li>INSTRUCTIONS, Boom lights installation (Not Shown)</li> </ul>

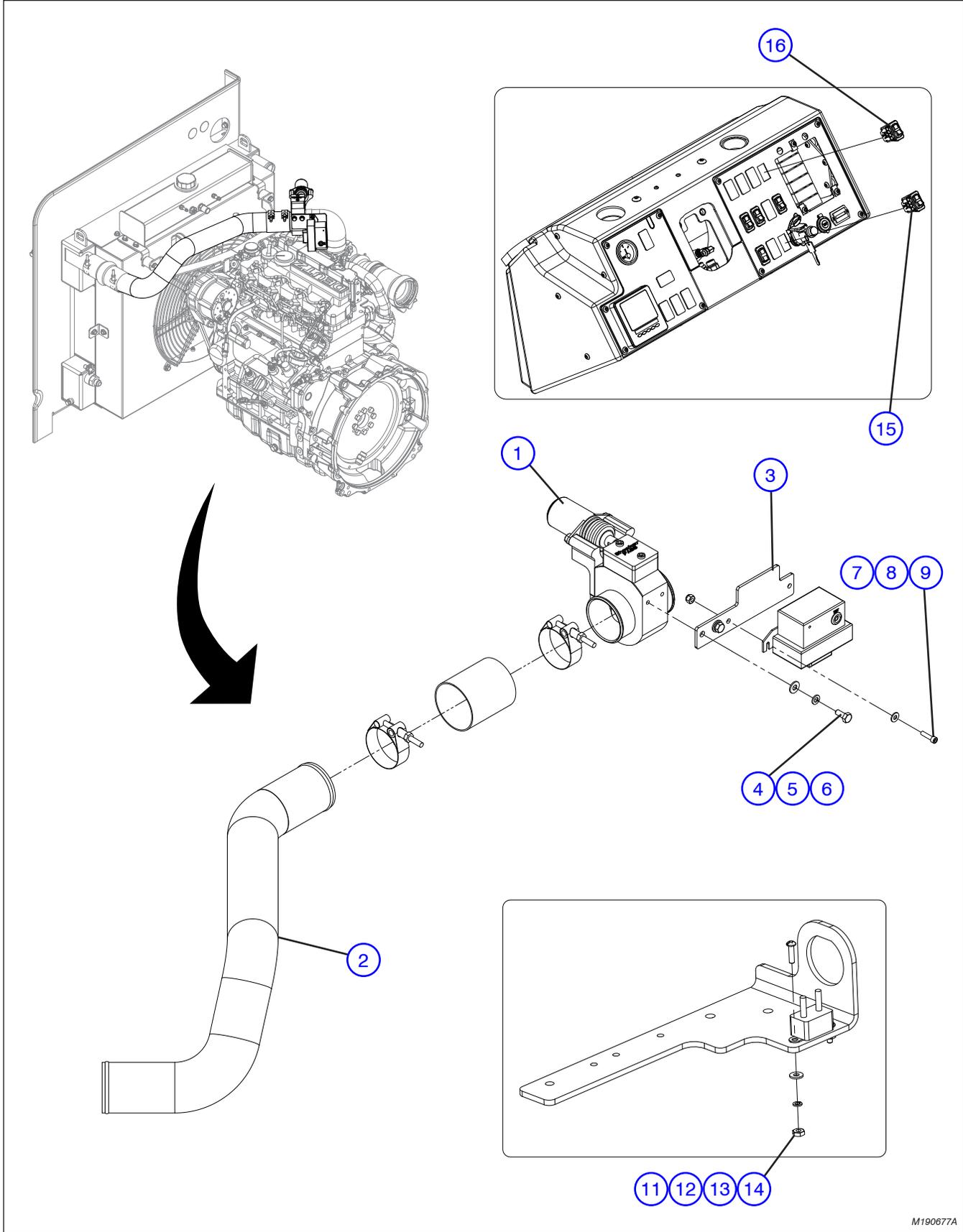
### 9.7 Boom Lights Harness



M190288AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-190288	1	HARNESS, BOOM LIGHTS HARNESS
1	9-124036	2	CONNECTOR, 2F W/P
2	9-156106	1	CONNECTOR, 1M W/P
3	9-156116	2	TERMINAL, Male sealed (3.0-2.0 mm <sup>2</sup> ), W/P
4	9-156137	4	TERMINAL, Female sealed (2.0-1.0 mm <sup>2</sup> ), W/P
5	9-156147	2	WIRE, Seal gray (3.5-2.8 mm), 280 M/P
6	9-124369	4	WIRE, Seal green (2.9-2.0 mm), 280 M/P
7	9-108172	1	TERMINAL, 3/8" Ring vinyl-ins yellow (12-10AWG)

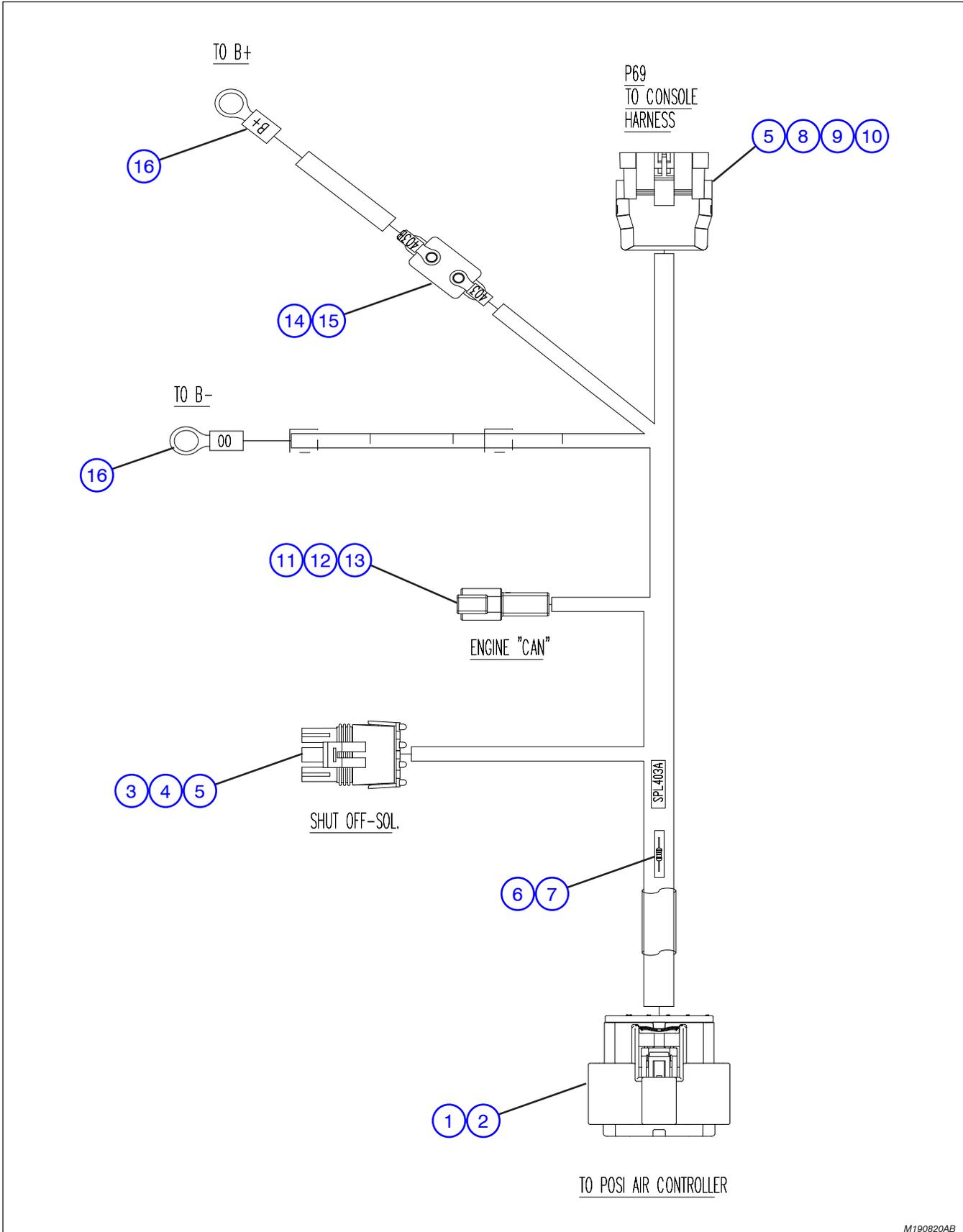




M190677A

Index No.	Skyjack Part No.	Qty.	Description
-	9-197115	-	VALVE, POSITIVE AIR SHUTOFF DEUTZ 2.9L
1	9-190678	1	<ul style="list-style-type: none"> <li>• SHOCKER, Pass 2500, deutz TCD 2.9 L</li> </ul>
2	9-190689	1	<ul style="list-style-type: none"> <li>• TUBE, Positive air shutoff 2.9 L</li> </ul>
3	9-207740	1	<ul style="list-style-type: none"> <li>• BRACKET, Air intake shutoff</li> </ul>
4	9-103995	2	<ul style="list-style-type: none"> <li>• WASHER, Flat 1/4"</li> </ul>
5	9-104000	2	<ul style="list-style-type: none"> <li>• WASHER, Lock 1/4"</li> </ul>
6	9-103892	2	<ul style="list-style-type: none"> <li>• BOLT, Hex head 1/4"-20 x 5/8" grade 5</li> </ul>
7	9-138834	2	<ul style="list-style-type: none"> <li>• SCREW, Socket head cap #10-24 x 3/4"</li> </ul>
8	9-104694	2	<ul style="list-style-type: none"> <li>• WASHER, Flat #10</li> </ul>
9	9-126642	2	<ul style="list-style-type: none"> <li>• NUT, Lock with nylon insert 10-24 grade 5</li> </ul>
10	(Ref.)	1	<ul style="list-style-type: none"> <li>• HARNESS, Positive air shut off (Not Shown)  <a href="#">(For components, refer to Section 9.9)</a></li> </ul>
11	9-103991	2	<ul style="list-style-type: none"> <li>• WASHER Flat #8</li> </ul>
12	9-112249	2	<ul style="list-style-type: none"> <li>• WASHER, Lock #8</li> </ul>
13	9-103986	2	<ul style="list-style-type: none"> <li>• NUT, Hex 8-32</li> </ul>
14	9-116192	2	<ul style="list-style-type: none"> <li>• SCREW, Round head machine 8-32 x 5/8"</li> </ul>
15	9-191463	1	<ul style="list-style-type: none"> <li>• INDICATOR, Reserve brake / positive shutoff</li> </ul>
16	9-191455	1	<ul style="list-style-type: none"> <li>• SWITCH, Boomlight-haz-posi</li> </ul>
17	9-197116	1	<ul style="list-style-type: none"> <li>• INSTRUCTIONS, Air intake shutoff installation</li> </ul>

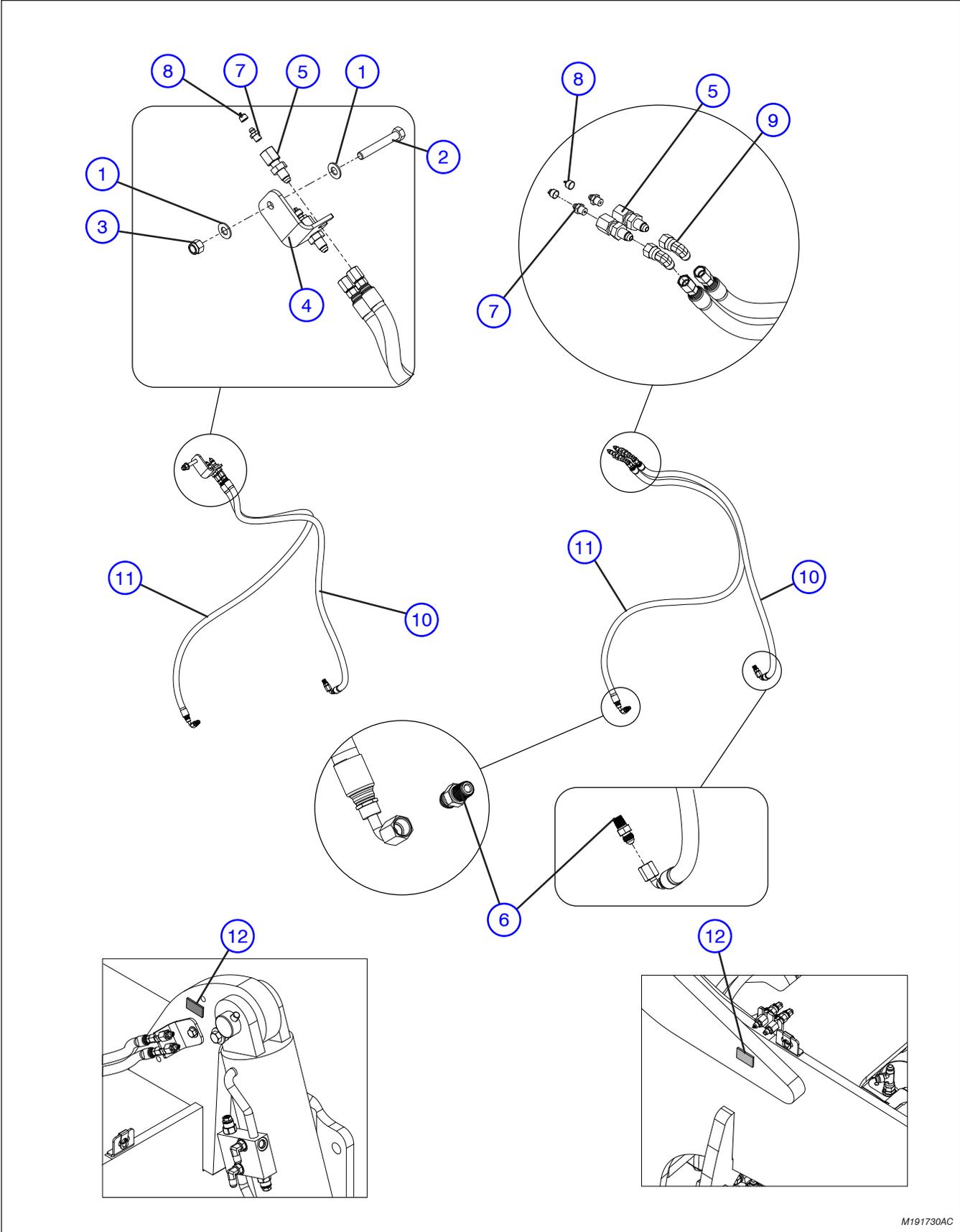
**9.9 Positive Air ShutOff Harness**



M190820AB

**9.9 Positive Air ShutOff Harness**

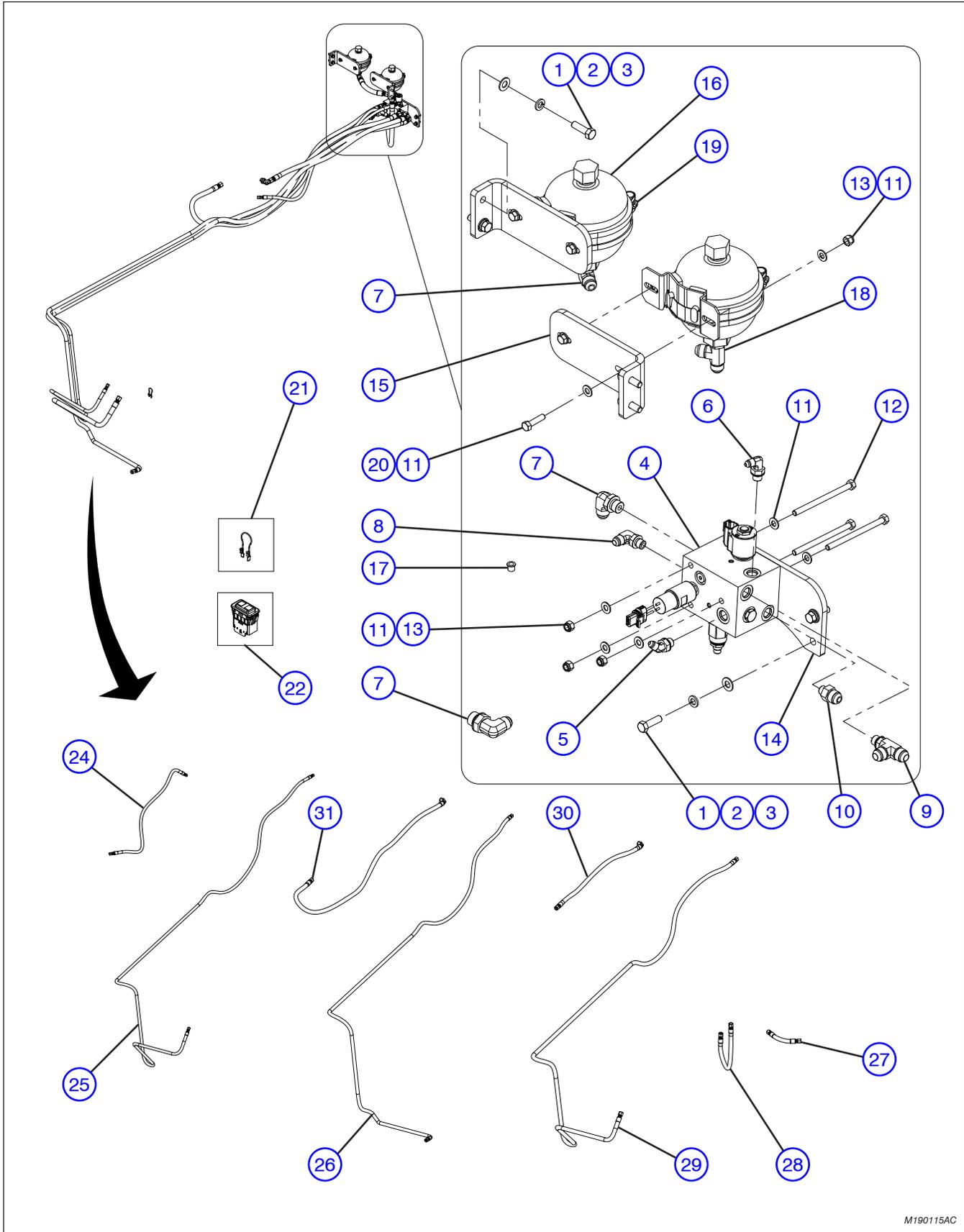
Index No.	Skyjack Part No.	Qty.	Description
-	9-191820	1	HARNESS, POSITIVE AIR SHUTOFF
1	9-171900	1	<ul style="list-style-type: none"> <li>• CONNECTOR, Plug 10-way</li> </ul>
2	9-171901	8	<ul style="list-style-type: none"> <li>• TERMINAL, Female crimp</li> </ul>
3	9-156114	1	<ul style="list-style-type: none"> <li>• CONNECTOR, 3F W/P</li> </ul>
4	9-156137	3	<ul style="list-style-type: none"> <li>• TERMINAL, Female sealed (2.0-1.0MM2) W/P</li> </ul>
5	9-124369	5	<ul style="list-style-type: none"> <li>• WIRE SEAL W-P</li> </ul>
6	9-143952	1	<ul style="list-style-type: none"> <li>• RESISTOR, 50 ohm 2 watt axial lead</li> </ul>
7	9-103367	1.5	<ul style="list-style-type: none"> <li>• HEATSHRINK, 1/4 dia polyoflin</li> </ul>
8	9-156139	2	<ul style="list-style-type: none"> <li>• TERMINAL, Male sealed (2.0-1.0 mm2), W/P</li> </ul>
9	9-156107	1	<ul style="list-style-type: none"> <li>• CONNECTOR, 4M, W/P</li> </ul>
10	9-156104	2	<ul style="list-style-type: none"> <li>• PLUG CAVITY 1W, M/P 280 &amp; W/P</li> </ul>
11	9-117590	2	<ul style="list-style-type: none"> <li>• CONNECTOR, Pin</li> </ul>
12	9-117598	1	<ul style="list-style-type: none"> <li>• CONNECTOR, W2P 2 pin wedge</li> </ul>
13	9-117596	1	<ul style="list-style-type: none"> <li>• CONNECOTR, Receptacle 2 pin</li> </ul>
14	9-171899	1	<ul style="list-style-type: none"> <li>• BREAKER, Auto reset 20 amp</li> </ul>
15	9-102936	2	<ul style="list-style-type: none"> <li>• TERMINAL, 14-16GA*#10 ring blue</li> </ul>
16	9-156219	4	<ul style="list-style-type: none"> <li>• TERMINAL, M8 ring (5.0 mm<sup>2</sup>)</li> </ul>



M191730AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-197119	-	REMOTE AXLES GREASE
1	9-103472	2	• WASHER, Flat 3/8" SAE
2	9-103873	1	• BOLT, Hex head 3/8"-16 X 2 1/2" grade 5
3	9-104606	1	• NUT, Lock with nylon insert, 3/8"-16 grade 5
4	9-191731	1	• BRACKET, Axle grease
5	9-406595	4	• FITTING - Bulkhead
6	9-933309	4	• FITTING, Straight ( 04 JICM- 02 NPTM)
7	9-102027	4	• FITTING, Grease 1/8" NPTF straight
8	9-132565	4	• CAP, Grease grade 5
9	9-702875	2	• FITTING, Hydraulic swivel nut elbow
10	9-191735	2	• HOSE, Assembly grease 42" long
11	9-191736	2	• HOSE, Assemblygrease 50" long
-	9-195071	1	• DECAL, Remote Axle Grease Option
12	9-152230	2	• • DECAL, Grease point
13	9-197120		• INSTRUCTIONS, Remote axle grease installation

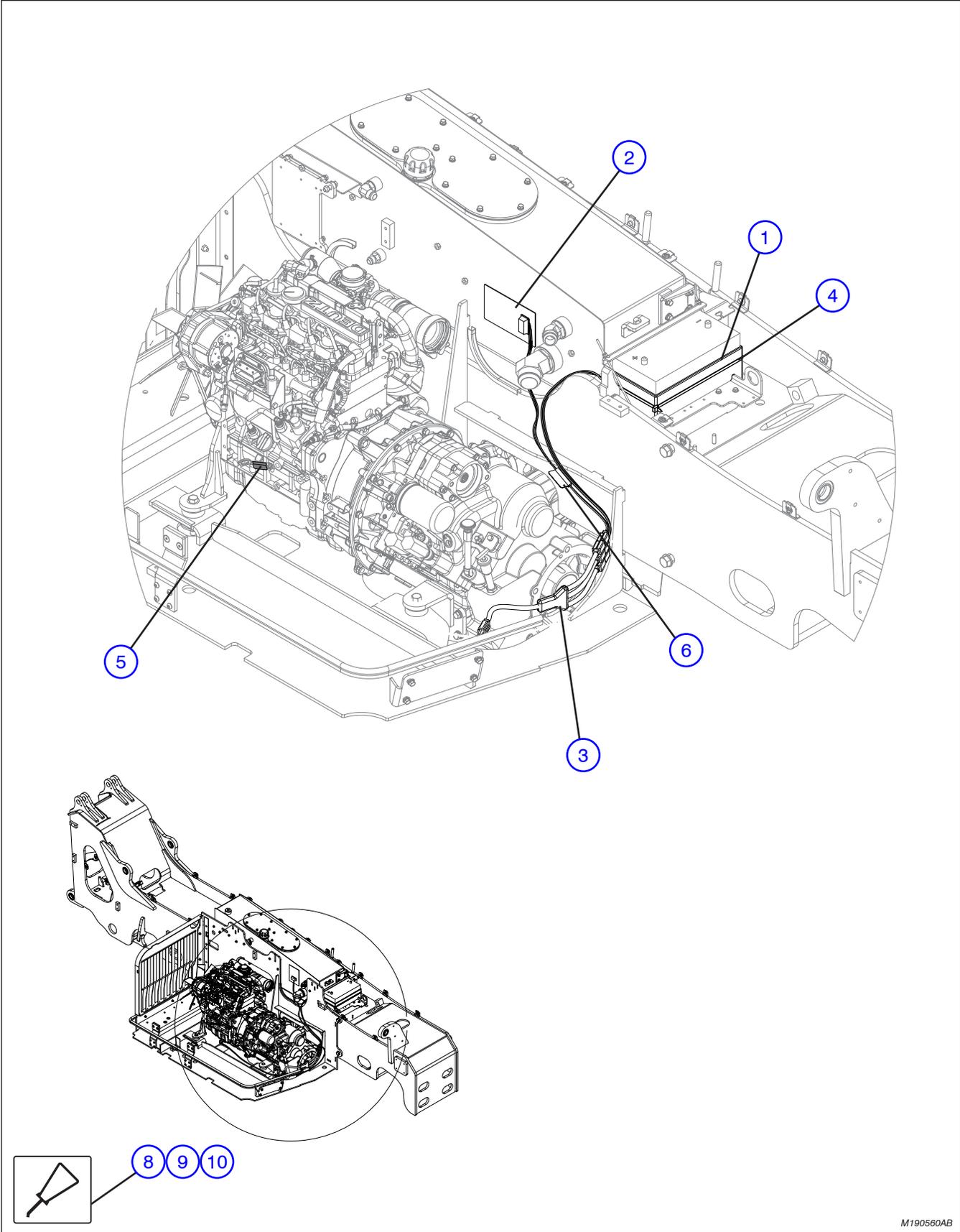
9.11 Reserve Brake



M190115AC

Index No.	Skyjack Part No.	Qty.	Description
-	9-197113	-	RESERVE BRAKE GROUP
1	9-103472	6	• WASHER, Flat 3/8" SAE
2	9-103999	6	• WASHER, Lock 3/8"
3	9-103473	6	• BOLT, Head head -16 X 1" grade 5
-	9-191720	1	• ASSEMBLY, Reserve brake manifold
-	9-190558	1	• • MANIFOLD, Reserve brake sub assembly
4	9-190357	1	• • • MANIFOLD, Reserve brake
5	9-707234	1	• • • FITTING, 45° (04 JICM - 06 ORBM)
6	9-129127	1	• • • FITTING, 90° (04 JICM - 06 ORBM)
7	9-114583	3	• • • FITTING, 90° (08 JICM - 08 ORBM)
8	9-114578	1	• • • FITTING, 90° (06 JICM - 06 ORBM)
9	9-191742	1	• • • FITTING, Run tee (08 JICM - 06 ORBM - 08 JICM)
10	9-104402	1	• • • FITTING, (6 SAE TO 8 JIC)
11	9-103996	14	• • WASHER, Flat 5/16" SAE
12	9-103869	3	• • BOLT, Hex head 5/16"-18 X 4-1/2" grade 5
13	9-103984	7	• • NUT, Lock with nylon insert 5/16"-18 grade 5
14	9-191729	1	• • BRACKET, Reserve brake
15	9-191721	2	• BRACKET, Accumulator
16	9-400947	2	• ACCUMULATOR, Diaphragm, 3/4L low T°
17	9-104437	1	• PLUG, Fitting- (06 orb hex socket)
18	9-110554	1	• FITTING, Run tee (08 JICM - 08 ORBM - 08 JICM)
19	9-190562	2	• CLAMP, Accumulator
20	9-112532	4	• BOLT, Hex head 5/16"-18 X 1-1/4" grade 5
21	9-190563	1	• HARNESS, Reserve brake
22	9-191463	1	• INDICATOR, Reserve brake / positive shutoff
23	9-197114	1	• INSTRUCTIONS, Reserve Brake Installation

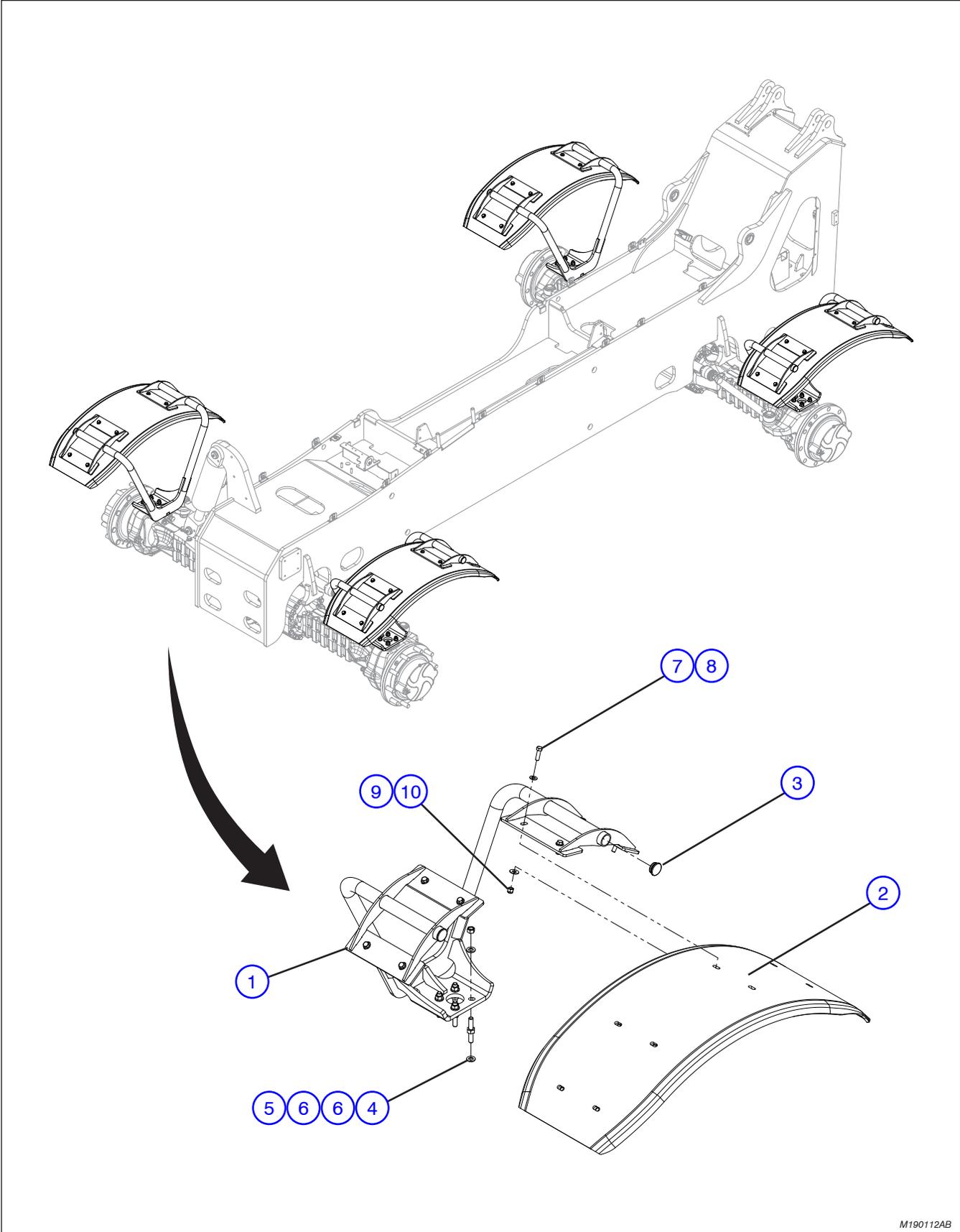
Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	9-191718	ASSEMBLY, Hose reserve brake			
24	H310400480	Reserve brake manifold	ST LS	ST LS	Main manifold
25	H310401740	Reserve brake manifold	STEER	LS	Steering control unit
26	H310601620	Reserve brake manifold	A1	P	Brake pedal
27	H310800100	Accumulator			
28	H310800260	Reserve brake manifold	A2		Accumulator
29	H310801790	Reserve brake manifold	P	P	Steering console
30	H340800490	Reserve brake manifold	T	DR3	Main manifold
31	H340800820	Reserve brake manifold	P	CF	Main manifold



M190560AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-199056	1	COLD WEATHER SUBGROUP, TH643-TH843
1	9-703290	1	• BLANKET - Battery
2	9-164762	1	• PAD HEATER - 500W
3	9-159888	1	• CORD, (12/3AWG 15A x 2' LONG)
4	9-144727	2	• TIE WRAP, Cable 43.3" black
5	9-144635	1	• LABEL - Arctic engine oil
6	9-144632	1	• LABEL - Hydraulic oil heater/bat warmer
7	9-199059	1	• INSTRUCTIONS, Cold weather package installation
8	(Ref.)	16 L	• COOLANT-ANTIFREEZE (Not shown) (For components, refer to Section 11.1)
9	(Ref.)	9 L	• OIL - Arctic engine (SAE 0W-40) (Not shown) (For components, refer to Section 11.1)
10	(Ref.)	19.9 L	• OIL - Arctic gear (Not shown) (For components, refer to Section 11.1)
11	(Ref.)	50 L	• DIESEL, Fuel #2 coloured (For components, refer to Section 11.1)

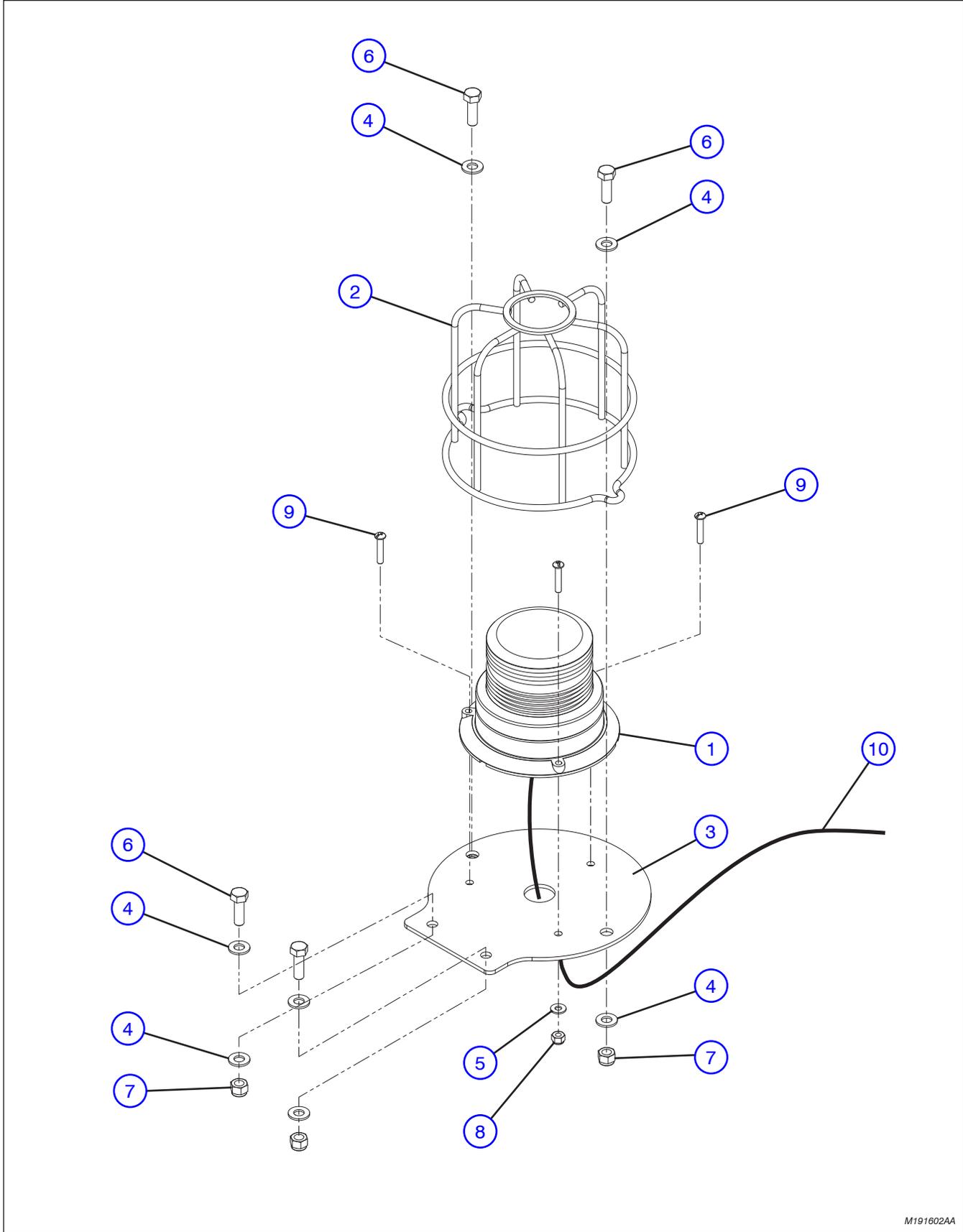
9.13 4 Wheel Fender Assembly



M190112AB

Index No.	Skyjack Part No.	Qty.	Description
-	9-197111	1	4 WHEEL FENDER GROUP
1	9-191894	4	• WELDMENT, 4 wheels fender
2	9-191901	4	• WING, VR fenders
3	9-191903	8	• PLUG, Plastic 1 1/4" tube ID
4	9-191904	16	• STUD, M12 X 1-1/4" fender mount
5	9-933838	16	• NUT, Hex head M12-1-1/4"
6	9-933817	32	• WASHER, Flat M12 CL 200 Y
7	9-101297	32	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 5
8	9-125959	32	• WASHER, Flat 3/8" SAE hard
9	9-127067	32	• WASHER, Flat 3/8" Style BB
10	9-104606	32	• NUT, Lock with nylon insert 3/8"-16 grade 5
11	9-197112	1	• INSTRUCTIONS, 4 wheel fender installation

9.14 Beacon Light Assembly

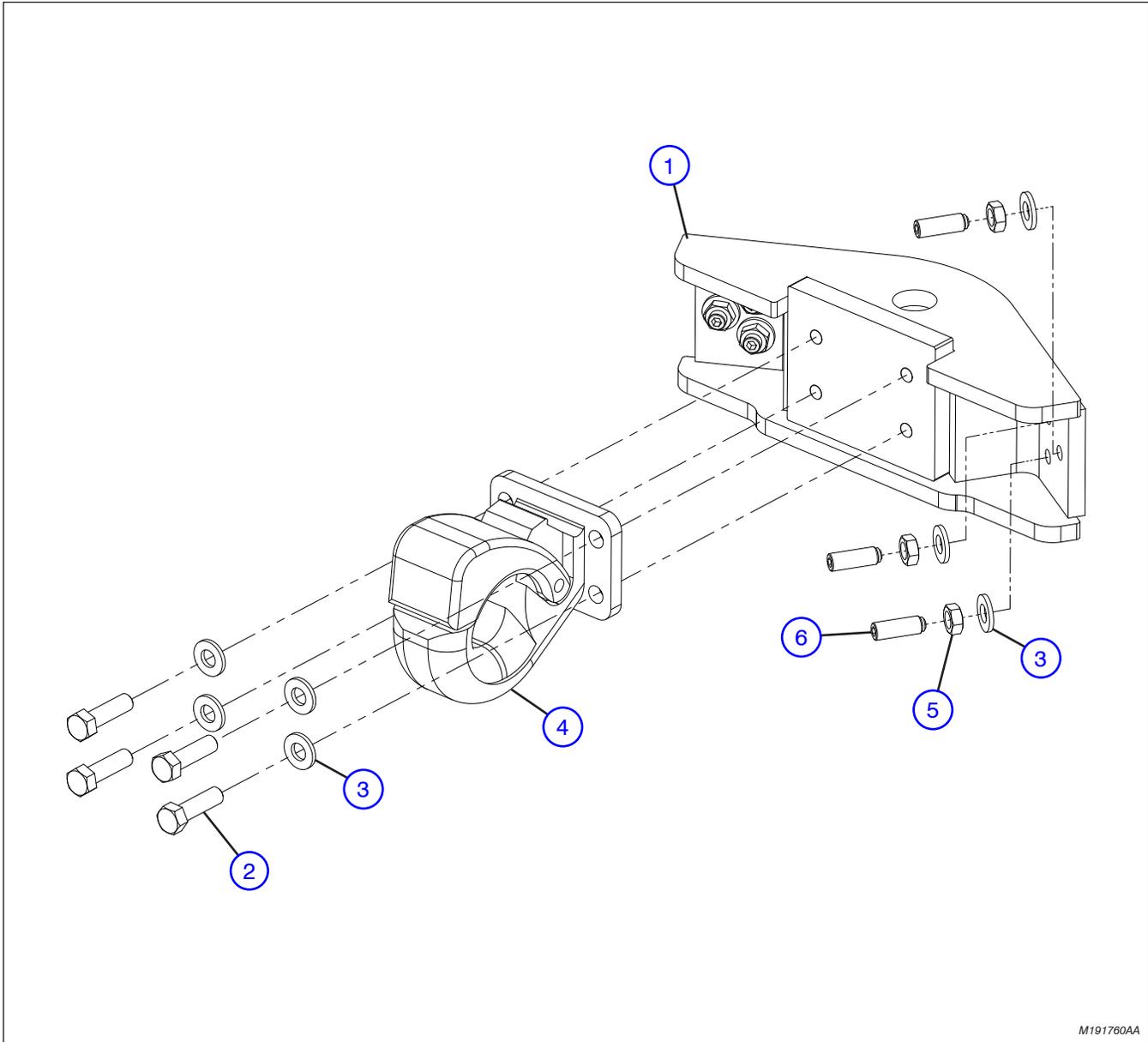


M191602AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-199050	1	ASSEMBLY, ROTATING BEACON
1	9-144078	1	• ASSEMBLY, Flashing amber light
2	9-934724	1	• CAGE, Strobe light
3	9-191453	1	• PLATE, Beacon mount
4	9-103996	8	• WASHER, Flat 5/16" SAE
5	9-104694	3	• WASHER, Flat #10
6	9-103864	4	• BOLT, Hex head 5/16"-18 X 1" grade 5
7	9-103984	4	• NUT, Lock with nylon insert 5/16"-18 grade 5
8	9-300450	3	• NUT, Lock with nylon insert 10-32 grade 5
9	9-105621	3	• SCREW, Round head machine 10-32 X 1"
10	9-191613	1	• HARNESS, Beacon light
11	9-199049	1	• INSTRUCTIONS, Beacon light installation

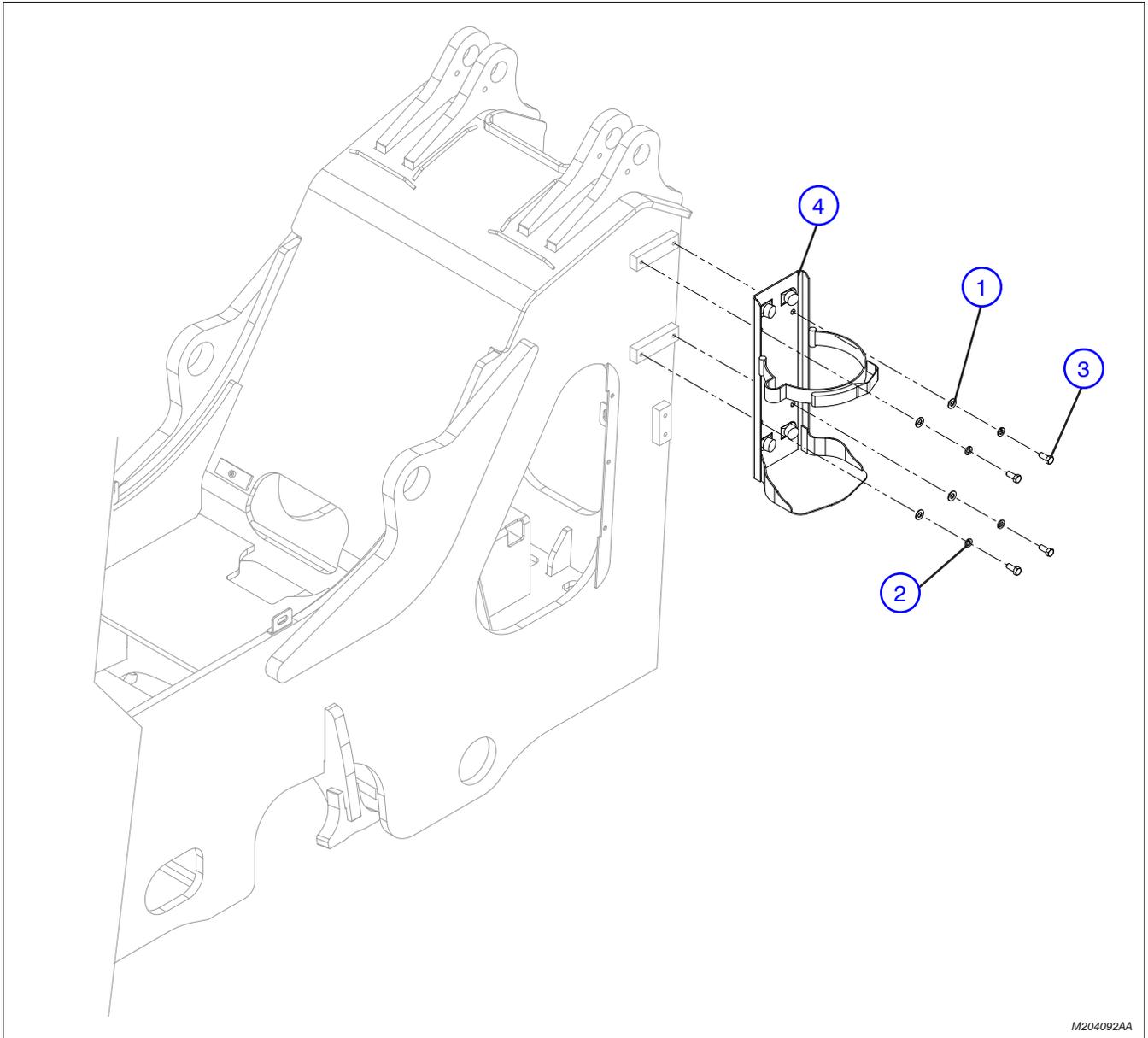
9.15 Pintle Hook Installation

AC



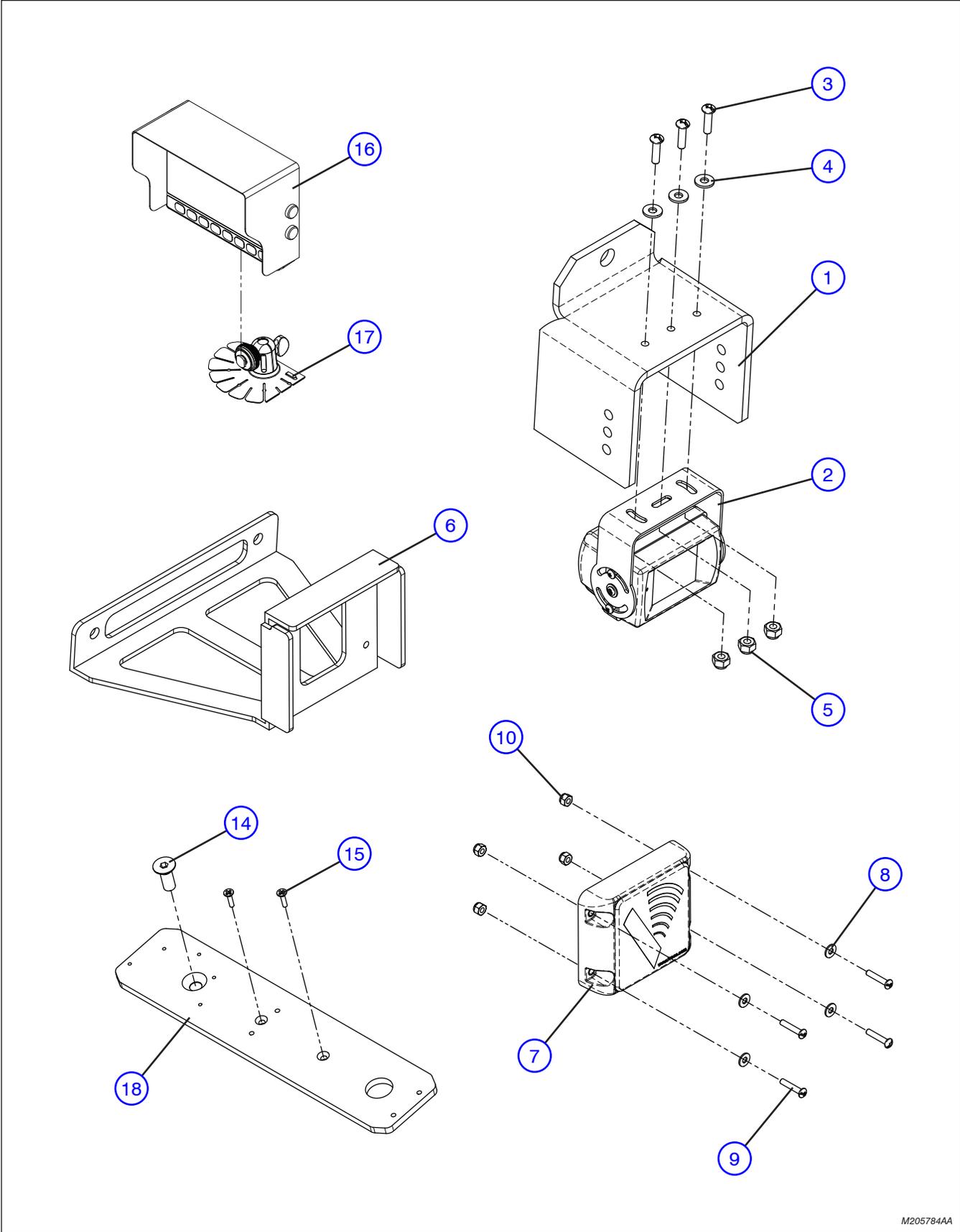
M191760AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-197121	-	PINTLE HITCH
1	9-191761	1	• WELDMENT, Pintle Hitch Adaptor
2	9-126361	4	• BOLT, Hex head (1/2"-13 X 1 3/4") grade 8
3	9-104379	10	• WASHER, Flat (1/2") Hard
4	9-921813	1	• PINTLE, Heavy duty pintle 6000 lb
5	9-107949	6	• NUT, Hex head JAM (1/2"-13 grade 5
6	9-191782	6	• SCREW, Set (1/2"-13 x 1 1/2") swivel ball end
7	9-197122	1	• INSTRUCTIONS, Pintle hitch installation



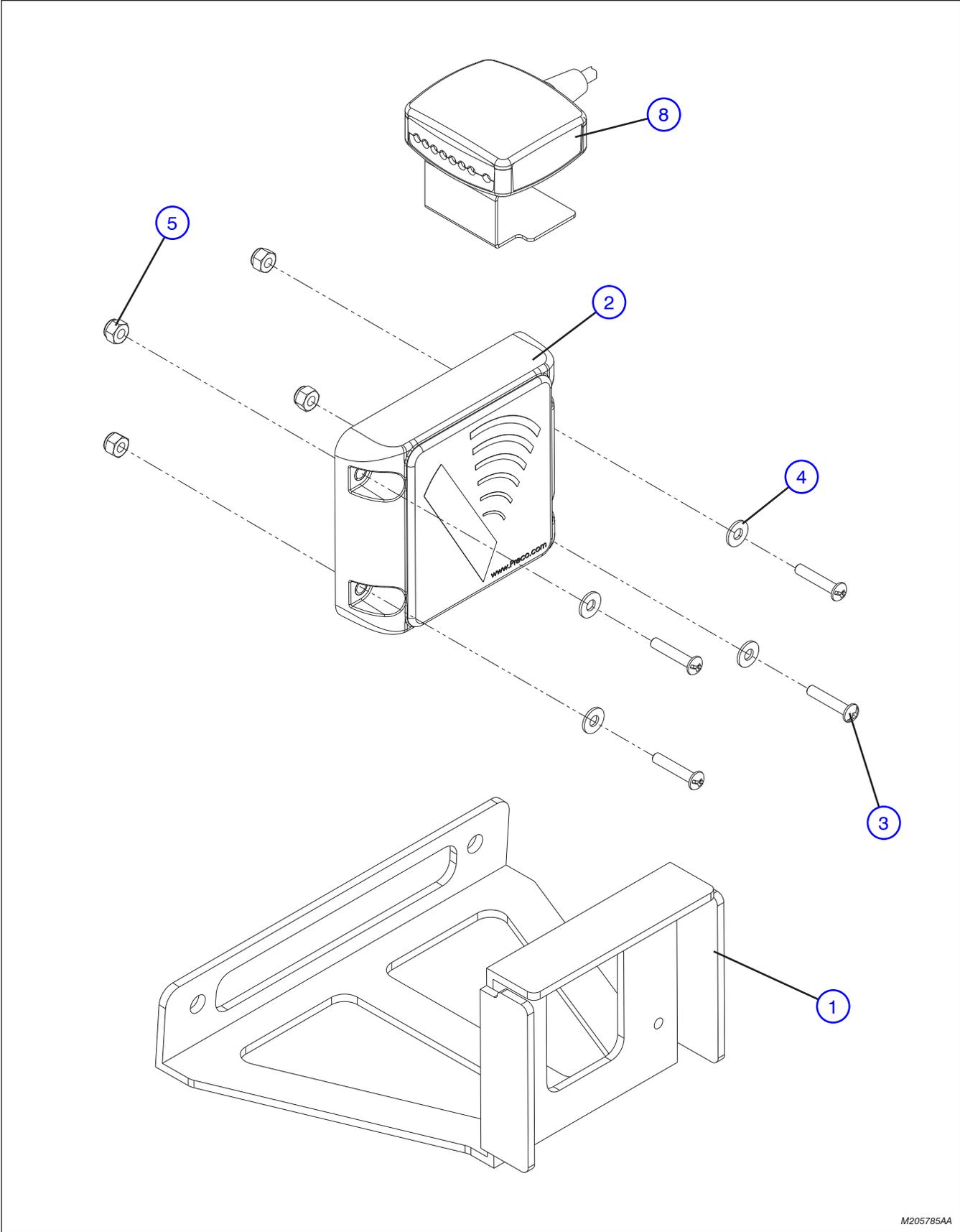
M204092AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-204134	1	ASSEMBLY, FIRE EXTINGUISHER
1	9-103472	4	• WASHER, Flat 3/8" SAE
2	9-103999	4	• WASHER, Lock 3/8"
3	9-300437	4	• BOLT, Hex head 3/8"-16 x 2" grade 5
4	9-204056	1	• BRACKET, Fire extinguisher 20lb
5	9-204195	1	• INSTRUCTIONS, Fire extinguisher installation



M205784AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-205784	1	KIT, BACK UP CAMERA AND SENSOR
1	9-211855	1	• BRACKET, Rear view camera
2	9-212196	1	• CAMERA, Back up
3	9-116192	3	• SCREW, Round head machine 8-32 x 5/8"
4	9-103991	3	• WASHER, Flat #8
5	9-207240	3	• NUT, Lock with nylon insert 8-32 grade 5
6	9-211669	1	• BRACKET, Reverse warning device
7	9-211708	1	• SENSOR, Back up sentry
8	9-151155	4	• SCREW, Round head machine 10-24 x 1"
9	9-104694	4	• WASHER, Flat #10
10	9-126642	4	• NUT, Lock with nylon insert 10-24 grade 5
11	9-211700	1	• CABLE, Back up camera (Not Shown)
12	9-211746	1	• HARNESS, Back up sensor (Not Shown)
13	9-211672	1	• HARNESS, Reverse warning sys. th (Not Shown)
14	9-153305	1	• SCREW, Flat Socket Cap Screw 3/8"-16 x 1" grade 5
15	9-170997	2	• SCREW, Machine flat head 8-32 x 5/8"
16	9-211707	1	• DISPLAY, Back up camera
17	9-212195	1	• STAND, Monitor - modified
18	9-212201	1	• MOUNT, Telematics and monitor
19	9-114595	1	• TERMINAL, Female 18-22 awg red (Not Shown)
20	9-205786	1	• INSTRUCTION, Back up camera & sensor (Not Shown)



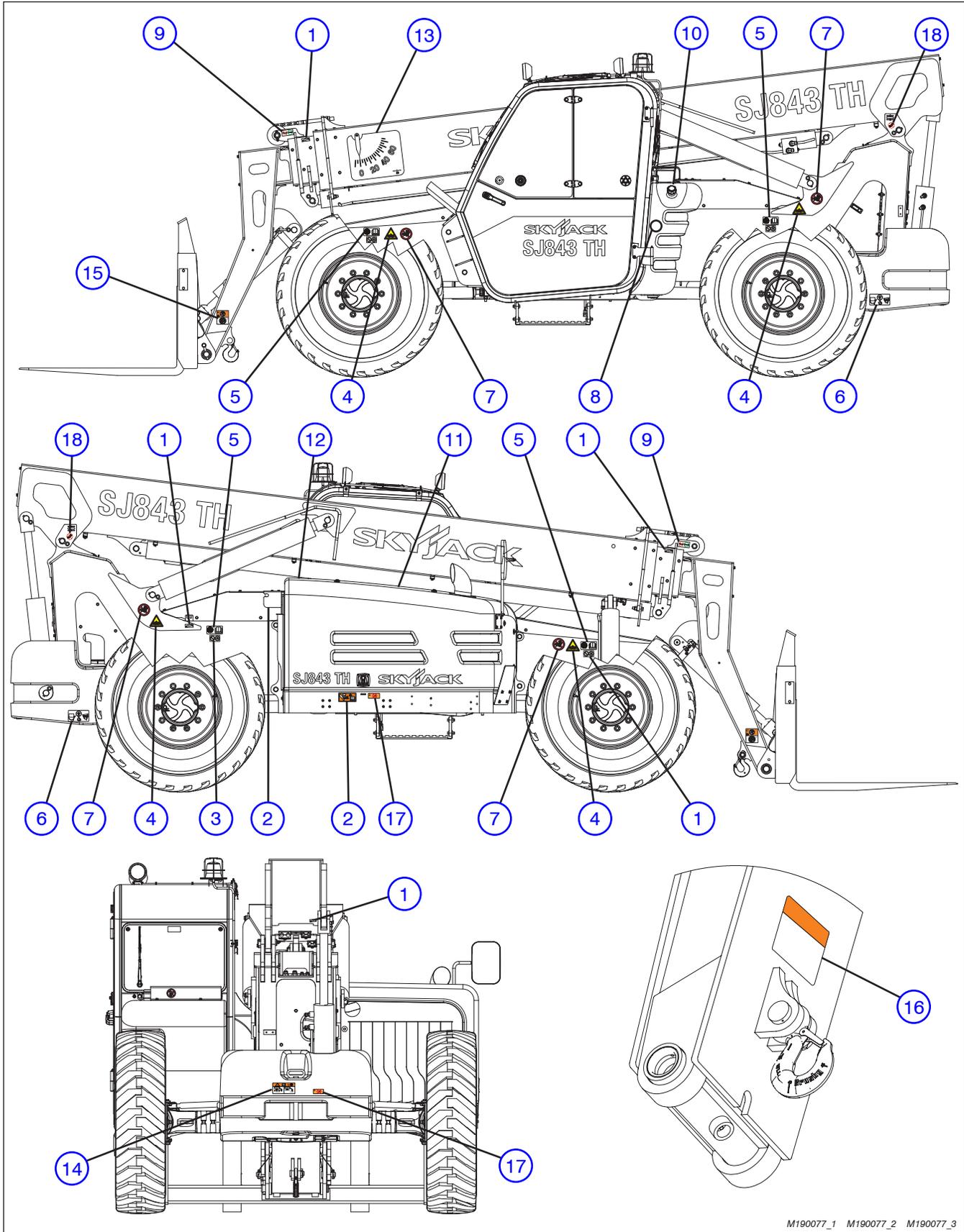
M205785AA

Index No.	Skyjack Part No.	Qty.	Description
-	9-205785	1	KIT, BACK UP SENSOR
1	9-211669	1	<ul style="list-style-type: none"> <li>• BRACKET, Reverse warning device</li> </ul>
2	9-211708	1	<ul style="list-style-type: none"> <li>• SENSOR, Back up sentry</li> </ul>
3	9-151155	4	<ul style="list-style-type: none"> <li>• SCREW, Round head machine 10-24 x 1"</li> </ul>
4	9-104694	4	<ul style="list-style-type: none"> <li>• WASHER, Flat #10</li> </ul>
5	9-126642	4	<ul style="list-style-type: none"> <li>• NUT, Lock with nylon insert 10-24 grade 5</li> </ul>
6	9-211746	1	<ul style="list-style-type: none"> <li>• HARNESS, back up sensor (Not Shown)</li> </ul>
7	9-211672	1	<ul style="list-style-type: none"> <li>• HARNESS, Reverse warning sys. th (Not Shown)</li> </ul>
8	9-211695	1	<ul style="list-style-type: none"> <li>• DETECTOR, Reverse warning</li> </ul>
9	9-205787	1	<ul style="list-style-type: none"> <li>• INSTRUCTION, Back up sensor installation (Not Shown)</li> </ul>



- 10.1 Label Installation
- 10.2 Load Chart Group
- 10.3 Flip Chart Assembly

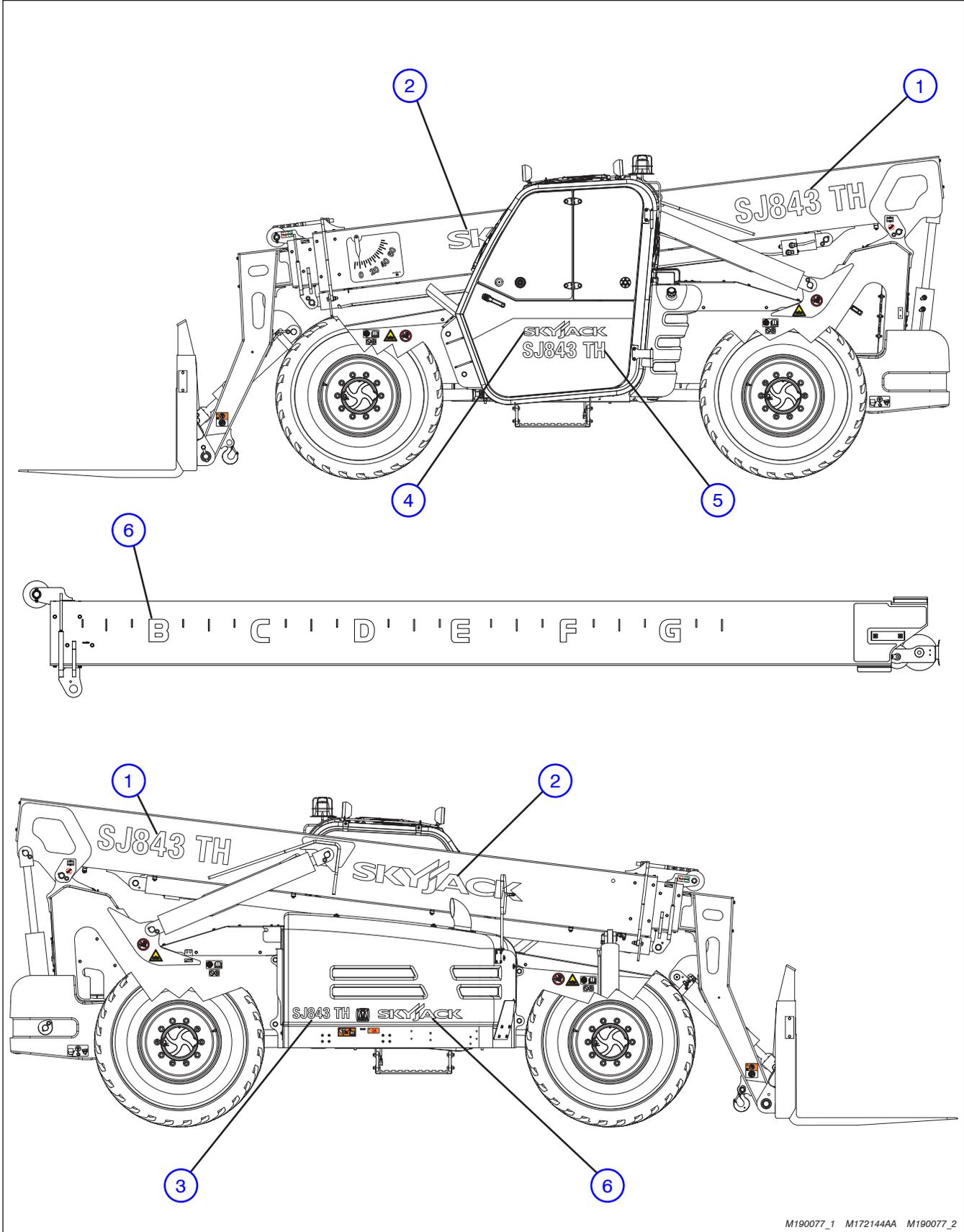
10.1 Label Installation



M190077\_1 M190077\_2 M190077\_3

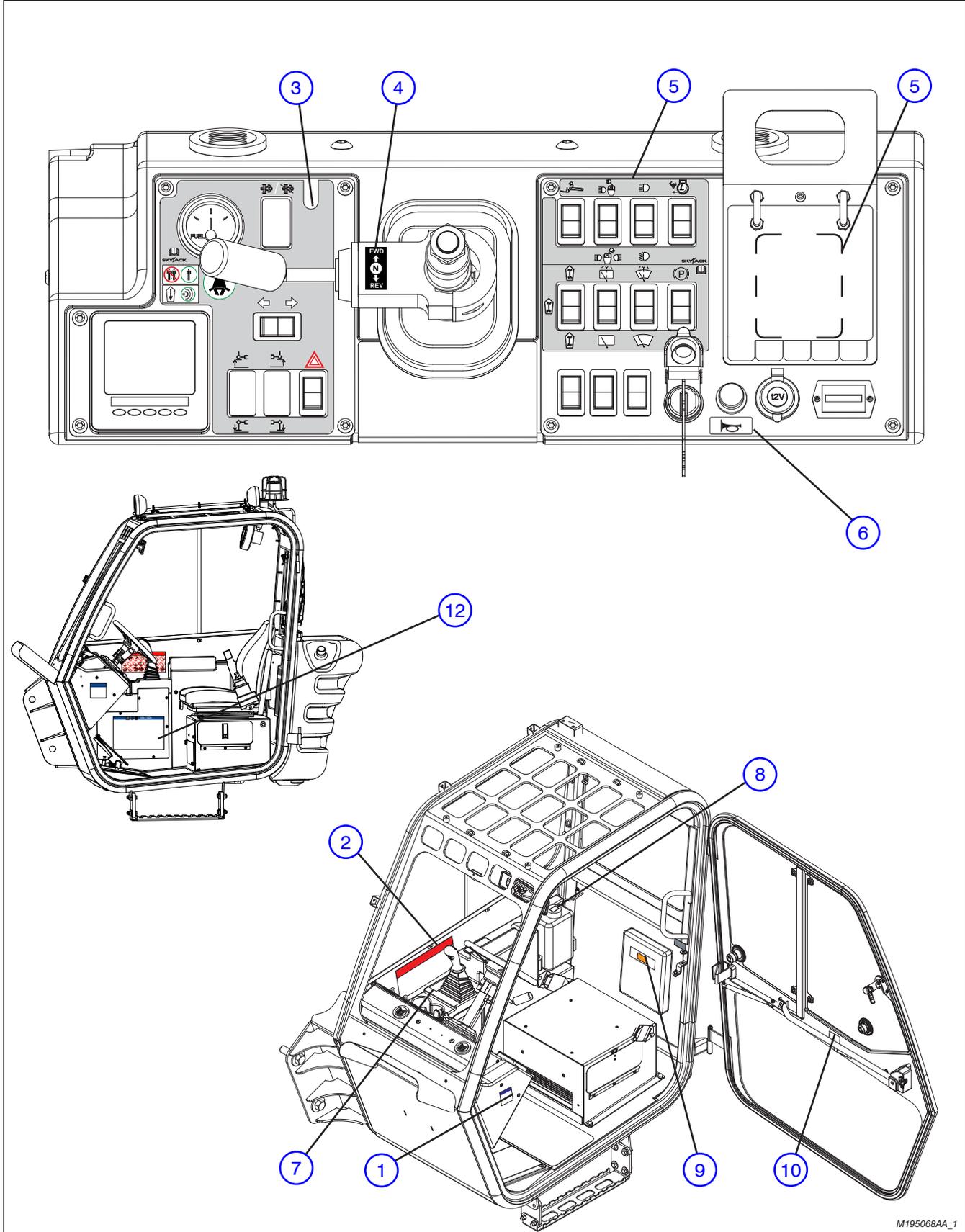
Index No.	Skyjack Part No.	Qty.	Description
-	9-190077	1	LABEL GROUP, PICTORIAL TH
1	9-152230	6	<ul style="list-style-type: none"> <li>• LABEL, Grease point</li> </ul>
2	9-137988	1	<ul style="list-style-type: none"> <li>• LABEL, Crush/pinch hazard pictorial</li> </ul>
3	9-146016	1	<ul style="list-style-type: none"> <li>• LABEL, Hydraulic oil level (min/max)</li> </ul>
4	9-139314	4	<ul style="list-style-type: none"> <li>• LABEL, Body crush pictorial</li> </ul>
5	9-124631	4	<ul style="list-style-type: none"> <li>• LABEL, Wheel info pictorial</li> </ul>
6	9-124767	4	<ul style="list-style-type: none"> <li>• LABEL, Lift point / tie down pictorial</li> </ul>
7	9-139855	4	<ul style="list-style-type: none"> <li>• LABEL, "Keep clear" pictorial</li> </ul>
8	9-138146	1	<ul style="list-style-type: none"> <li>• LABEL, No smoking pictorial</li> </ul>
9	9-152237	2	<ul style="list-style-type: none"> <li>• LABEL, Keep chains tight</li> </ul>
10	9-162852	1	<ul style="list-style-type: none"> <li>• LABEL, Diesel "ultra low sulfur only "</li> </ul>
11	9-102961	1	<ul style="list-style-type: none"> <li>• LABEL, ATF dexron III pictorial</li> </ul>
12	9-163095	1	<ul style="list-style-type: none"> <li>• LABEL, Caution coolant fill</li> </ul>
13	9-196184	1	<ul style="list-style-type: none"> <li>• LABEL, Boom angle indicator</li> </ul>
14	9-195900	1	<ul style="list-style-type: none"> <li>• LABEL, Towing capacity</li> </ul>
15	9-195421	2	<ul style="list-style-type: none"> <li>• LABEL, Fork pins warning</li> </ul>
16	9-195422	1	<ul style="list-style-type: none"> <li>• LABEL, Lifting hook</li> </ul>
17	9-115543	2	<ul style="list-style-type: none"> <li>• LABEL, No step</li> </ul>
18	9-156613	2	<ul style="list-style-type: none"> <li>• LABEL, Do not tamper with switch</li> </ul>
19	9-195068	1	<ul style="list-style-type: none"> <li>• ASSEMBLY, Cab labels</li> </ul>

10.1 Label Installation - Continued



M190077\_1 M172144AA M190077\_2

Index No.	Skyjack Part No.	Qty.	Description
<b>A</b>	9-190079	1	LABEL GROUP, MODEL SPECIFIC SJ843 TH - ENCLOSED CAB
<b>B</b>	9-190078	1	LABEL GROUP, MODEL SPECIFIC SJ643 TH - ENCLOSED CAB
<b>C</b>	9-199861	1	LABEL GROUP, MODEL SPECIFIC SJ843 TH - OPEN CAB
<b>D</b>	9-199860	1	LABEL GROUP, MODEL SPECIFIC SJ643 TH - OPEN CAB
1	9-172189	2	<ul style="list-style-type: none"> <li>• LABEL, SJ843 TH white (38") <b>A, C</b></li> </ul>
	9-172197	2	<ul style="list-style-type: none"> <li>• LABEL, SJ643 TH white (38") <b>B, D</b></li> </ul>
2	9-164773	2	<ul style="list-style-type: none"> <li>• LABEL, Skyjack logo white (51")</li> </ul>
3	9-172190	1	<ul style="list-style-type: none"> <li>• LABEL, SJ843 TH white (17") <b>A, C</b></li> </ul>
	9-172195	1	<ul style="list-style-type: none"> <li>• LABEL, SJ643 TH white (17") <b>B, D</b></li> </ul>
4	9-166951	1	<ul style="list-style-type: none"> <li>• LABEL, Skyjack logo white (25")</li> </ul>
5	9-172183	1	<ul style="list-style-type: none"> <li>• LABEL, SJ843 TH white (25") <b>A</b></li> </ul>
	9-172196	1	<ul style="list-style-type: none"> <li>• LABEL, SJ643 TH white (25") <b>B</b></li> </ul>
6	9-172144	1	<ul style="list-style-type: none"> <li>• LABEL, Boom letters</li> </ul>



M195068AA\_1

Index No.	Skyjack Part No.	Qty.	Description
1	9-195425	1	• LABEL, Transportation reminder
2	9-195424	1	• LABEL, Hazard identification
3	9-191447	1	• LABEL, Left side dash
4	9-926902	1	• LABEL, Transmission selector
5	9-191448	1	• LABEL, Right side dash
6	9-105352	1	• LABEL, Horn pictorial
7	9-195109	1	• LABEL, Joystick controls
8	9-152241	1	• LABEL, Windshield washer fluid
9	9-123628	1	• LABEL, Manual storage box
10	9-152246	1	• LABEL, Door open instructions
11	9-195069	1	• LABEL, Fuse Panel SJXX TH
12	9-195426	1	LABEL, Daily and weekly maintenance chart

**10.2 Load Chart Group**

List Only  
No Drawing Required

*No\_Drawing*

**10.2 Load Chart Group**

Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	1	Flip Chart Assembly (For components, refer to Section 4.9)
2	9-196197	1	CHARTS, Load SJ643 TH Group
	9-196198	1	CHARTS, Load SJ843 TH Group
-	-	1	• Load Chart: Quick Attach Carriages
-	-	1	• Load Chart: Side Tilt Carriages
-	-	1	• Load Chart: 1.75 Cu Yd Bucket
-	-	1	• Load Chart: 12ft Truss Boom
-	-	1	• Load Chart: Lifting Hook
-	-	1	• Load Chart: 2' Jib Boom
-	-	1	• Load Chart: 72" Swing Carriage
-	-	1	• Load Chart: All Carriages 72" Forks



**10.1 Recommended Fluids Table**

**11.1 Recommended Fluids Table**

		<b>SJ643 TH</b>	<b>SJ843 TH</b>
<b>Engine</b>	Fuel Type	Ultra Low Sulfur Diesel (EN 590, ASTM D975)	
	Fuel Tank Capacity	37.5 gal (142 L)	
	Recommended Oil Type	SAE 15W40 GR. SH, CD CF	
	Capacity	9.5 Quart (9.0 L)	
	Coolant Type (Standard)	COOLANT-ANTIFREEZE 50/50 PREMIX *	
	Coolant Type (Cold Weather Option)	COOLANT-ANTIFREEZE 60/40 PREMIX *	
	Capacity	3.7 gal (14 L)	
<b>Transmission</b>	Oil Type	ATF Dexron 3	
	Capacity	16.9 Quart (16 L)	
<b>Axles</b>	Differential	Mobilube HD	
	Front Axle Capacity	8.0 Quart (7.5 L)	
	Rear Axle Capacity	8.0 Quart (7.5 L)	
	Planetary Wheel Ends	SAE 80W-90EP	
	Capacity	1.3 Quart (1.2 L)	
<b>Hydraulic Oil</b>	Standard Factory Fill	ATF Dexron 3	
	Approved Alternates*	Multipurpose ATF	
	Tank Capacity	43.85 gal (166 L)	
<b>Grease Points</b>	Type	EP2 Grease	

\* Refer to engine manufacturer's manual



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