



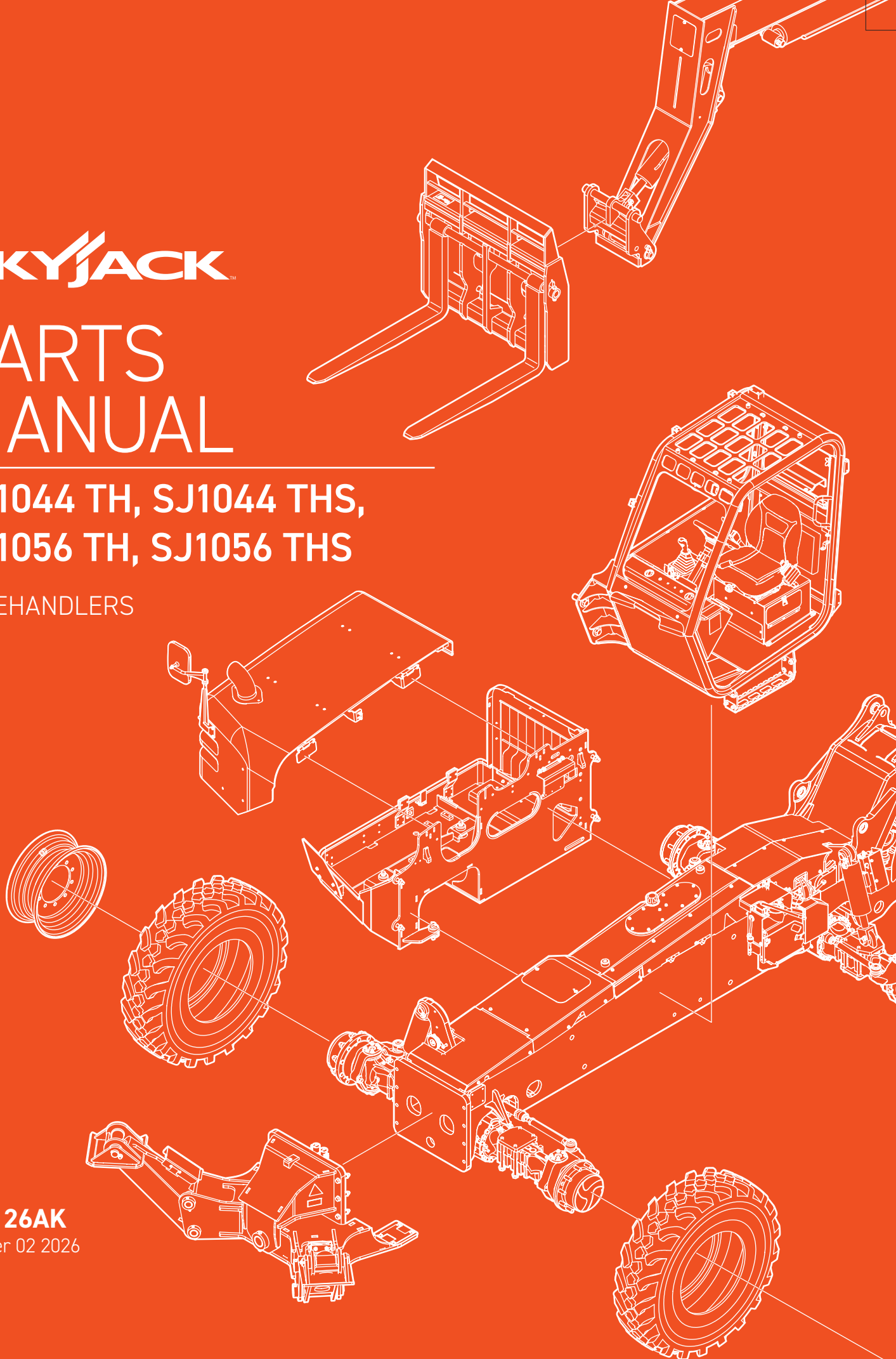
PARTS MANUAL

SJ1044 TH, SJ1044 THS,
SJ1056 TH, SJ1056 THS

TELEHANDLERS

190126AK

October 02 2026
ANSI



This manual is for telehandlers with serial numbers:

SJ1044 TH: 87 210 001 - 87 299 999

SJ1056 TH: 87 310 001 - 87 399 999

SJ1044 THS: 87 210 001 - 87 299 999

SJ1056 THS: 87 310 001 - 87 399 999

Please refer to the website (www.skyjack.com) for contact information, other serial numbers, the most recent technical manuals, animations, and USB software.

The original instructions are in English.

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 **Notes**

Foreword

General

The information contained in this manual is designed to aid the user in locating and identifying replacement parts. Component parts of various assemblies and subassemblies comprising the work platform are illustrated and accompanied by a descriptive parts list. Exploded drawings are used to show relative location of component parts in disassembly order. If a part cannot be found in this manual, contact your local Skyjack Parts Department for assistance.

Parts Ordering Information

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

Method of Listing

Parts are listed in order according to the reference number shown in the illustration, followed by a full description based upon the "NOUN FIRST" method. That is, the noun name of the part is listed first, then the modifying description information which serves to specifically identify the item. For example: PIN, Clevis.

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

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

Example:

Main Assembly A

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

Quantities

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

How To Order Repair Parts

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

Customer: _____

Dealer: _____

Model Number: _____

Serial Number: _____

Date Purchased: _____

USE ONLY SKYJACK AUTHORIZED REPLACEMENT PARTS!

Recommended Service Parts

Description	Year 1 Qty	Year 2 Qty	Year 3 Qty	Skyjack Part No.
Engine				
Oil Filter	4	4	4	196896
Fuel Filter	4	4	4	197182
Fuel Filter/Water Separator	4	4	4	196889
Air Filter-Primary Element	2	2	2	197221
Air Filter-Safety Element	1	1	1	197222
Fan Belt	0	1	1	166694
Pump, Fuel	0	1	1	164770
Alternator	0	0	1	197184
Starter	0	0	1	216438
Ignition key	0	0	1	925248
Transmission				
Oil Filter	1	1	1	196743
Output Shaft Seal-Front	0	1	1	196825
Output Shaft Seal-Rear	0	1	1	196825
Electrical				
Battery	0	1	1	144676
Power Relay	1	1	1	226119
Relay, micro	2	2	2	931298
Relay	1	1	1	156200
Relay (w/SCR exhaust aftertreatment only)	1	1	1	127131
Relay, Glow plug 150A	1	1	1	165029
Fuse-5A	2	2	2	156202
Fuse-10A	2	2	2	156203
Fuse-15A	2	2	2	156204
Fuse-30A	2	2	2	156164
Fuse-20A	1	1	1	121504
Fuse-100A glow plug	1	1	1	165031
Ignition Switch	1	1	1	926721
Reverse Alarm	1	1	1	921172
Horn	1	1	1	923025
Switch, Proximity	1	1	1	190547
Hydraulic				
Hydraulic Filter-Return	1	1	1	157907
Seal Kit-Lift Cylinder (cylinder 190038)	1	1	1	197096
Seal Kit-Lift Cylinder (cylinder 255577)	1	1	1	255663
Seal Kit-Extend Cylinder 115B (cylinder 190045)	1	1	1	197103
Seal Kit-Extend Cylinder 115B (cylinder 255581)	1	1	1	255667
Seal Kit-Extend Cylinder 130B (cylinder 190044)	1	1	1	197102
Seal Kit-Extend Cylinder 130B (cylinder 255580)	1	1	1	255666

Recommended Service Parts

Description	Year 1 Qty	Year 2 Qty	Year 3 Qty	Skyjack Part No.
Seal Kit-Fork Tilt Cylinder (cylinder 190043)	1	1	1	197101
Seal Kit-Fork Tilt Cylinder (cylinder 255579)	1	1	1	255665
Seal Kit-Tilt Comp. Cylinder (cylinder 235240)	1	1	1	197098
Seal Kit-Tilt Comp. Cylinder (cylinder 190040)	1	1	1	235188
Seal Kit-Tilt Comp. Cylinder (cylinder 255585)	1	1	1	255671
Seal Kit-Frame Level Cylinder (cylinder 191831)	1	1	1	197099
Seal Kit-Frame Level Cylinder (cylinder 255583)	1	1	1	255669
Seal Kit-RAS Cylinder (cylinder 191832)	1	1	1	197100
Seal Kit-RAS Cylinder (cylinder 255584)	1	1	1	255670
Seal Kit-Outrigger Cylinder (cylinder 191123)	1	1	1	197104
Seal Kit-Outrigger Cylinder (cylinder 255582)	1	1	1	255668
Seal Kit-72" Swing Carriage Cylinder (cylinder 255576)	1	1	1	255662
Seal Kit-72" Swing Carriage Cylinder (cylinder 154882)	1	1	1	162680
Boom SJ1044				
Wear Pad	0	2	2	191266
Wear Pad	2	2	2	191267
Wear Pad	6	6	6	191268
Wear Pad	0	2	2	191269
Boom SJ1056				
Wear Pad	2	2	2	191265
Wear Pad	0	2	4	191266
Wear Pad	8	8	8	191267
Wear Pad	2	4	4	191268
Wear Pad	0	2	2	191269
Wear Pad	2	2	2	191270
Wear Pad	0	1	1	190915

 **Notes**

Section 1 – Frame

1.1 *Sheet Metal Installation*

1.5 *Engine Cowling Assembly 107 HP*

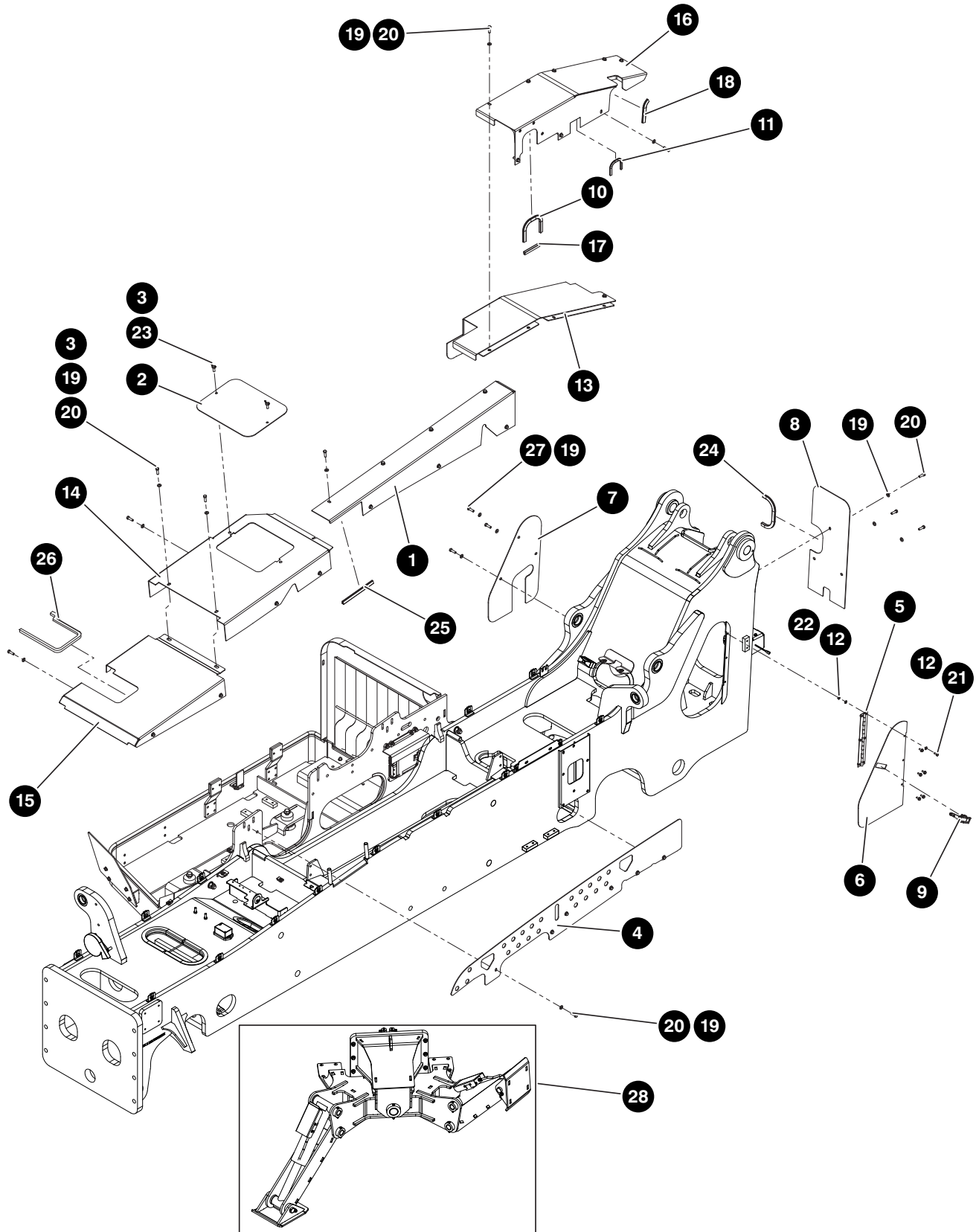
1.2 *Frame Subgroup*

1.8 *Fuel Tank Assembly*

1.4 *Engine Cowling Assembly 74 HP*

1.9 *Hydraulic Tank Assembly*

1.1 Sheet Metal Installation

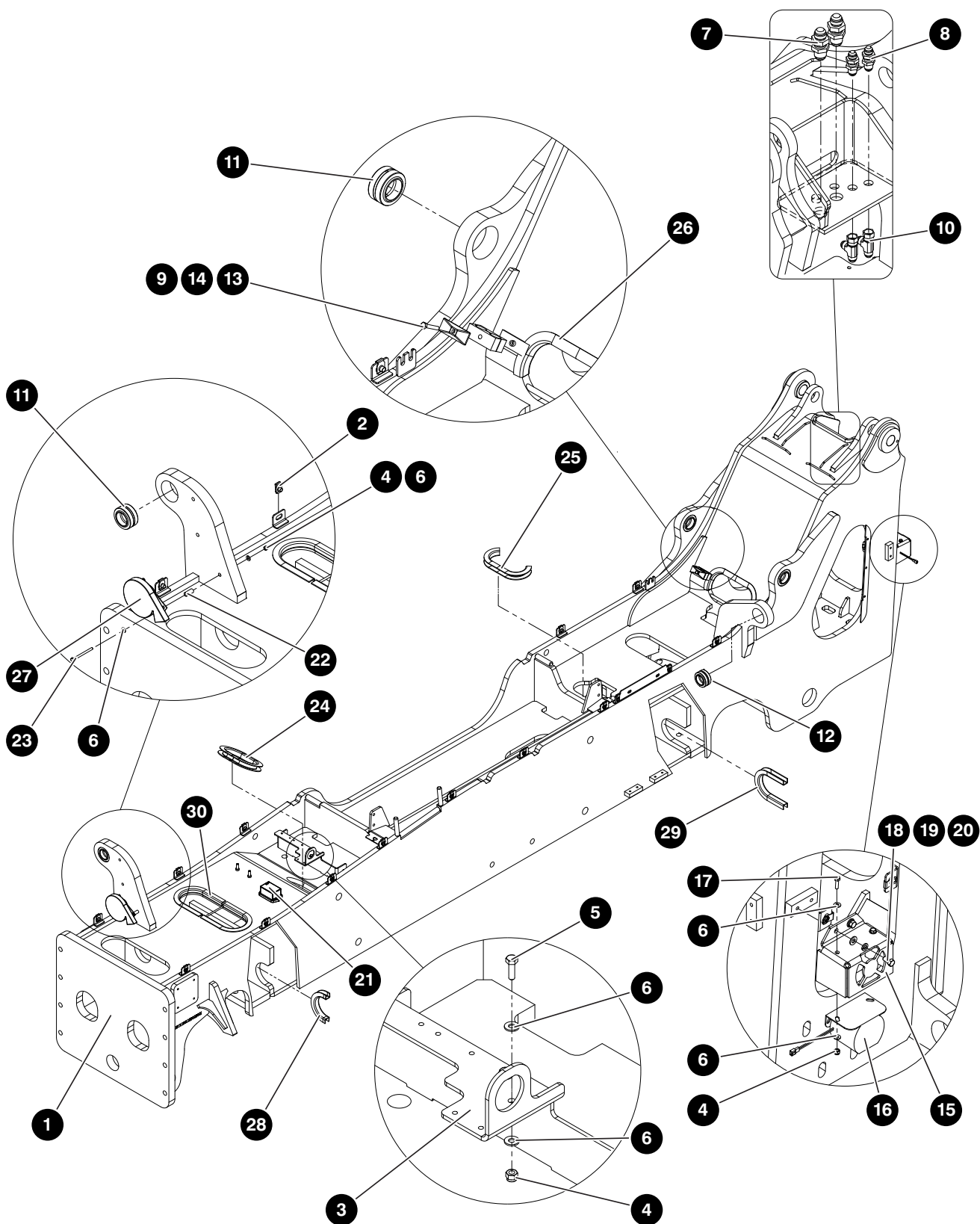


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1.1 Sheet Metal Installation

Index No.	Skyjack Part No.	Qty.	Description
-	191425	1	COVER SUBGROUP, VR1044 / VR1056
1	191390	1	• COVER, VR top side
2	191389	1	• COVER, Battery access
3	159294	4	• NUT, Speed clip 0.375-16
4	235181	1	• COVER, VR Engine tray
5	137016	1	• HINGE, Instrumentation panel
6	191397	1	• COVER, VR Left hand side
7	191398	1	• COVER, VR Right hand side
8	191399	1	• COVER, VR rear
9	191416	1	• LATCH, VR covers
10	117398	12"	• TRIM, Protective
11	117398	10"	• TRIM, Protective
12	103995	12	• WASHER, Flat 1/4"
13	191438	1	• COVER, Top rear right hand 1044/1056
14	191428	1	• COVER, Top front second 1044/1056
15	191429	1	• COVER, Top front first 1044/1056
16	191437	1	• COVER, Top rear left hand 1044/1056
17	117398	4"	• TRIM, Protective
18	117398	5"	• TRIM, Protective
19	125959	37	• WASHER, Flat 3/8" hard
20	101297	37	• BOLT, Hex head 3/8"-24 X 1-1/4" grade 5
21	103856	6	• BOLT, Hex head 1/4"-20 X 3/4" grade 5
22	103980	6	• NUT, Hex 1/4"-28 grade 5
23	152535	2	• WING SCREW, 3/8"UNC X 1"
24	117398	12"	• TRIM, Protective
25	117398	9"	• TRIM, Protective
26	117398	32"	• TRIM, Protective
27	103473	3	• BOLT, Hex head 3/8"-16 X 1" grade 5
28	(Ref).	1	• ASSEMBLY, Outriggers
			<i>(For components, refer to Section 11.2)</i>

1.2 Frame Subgroup

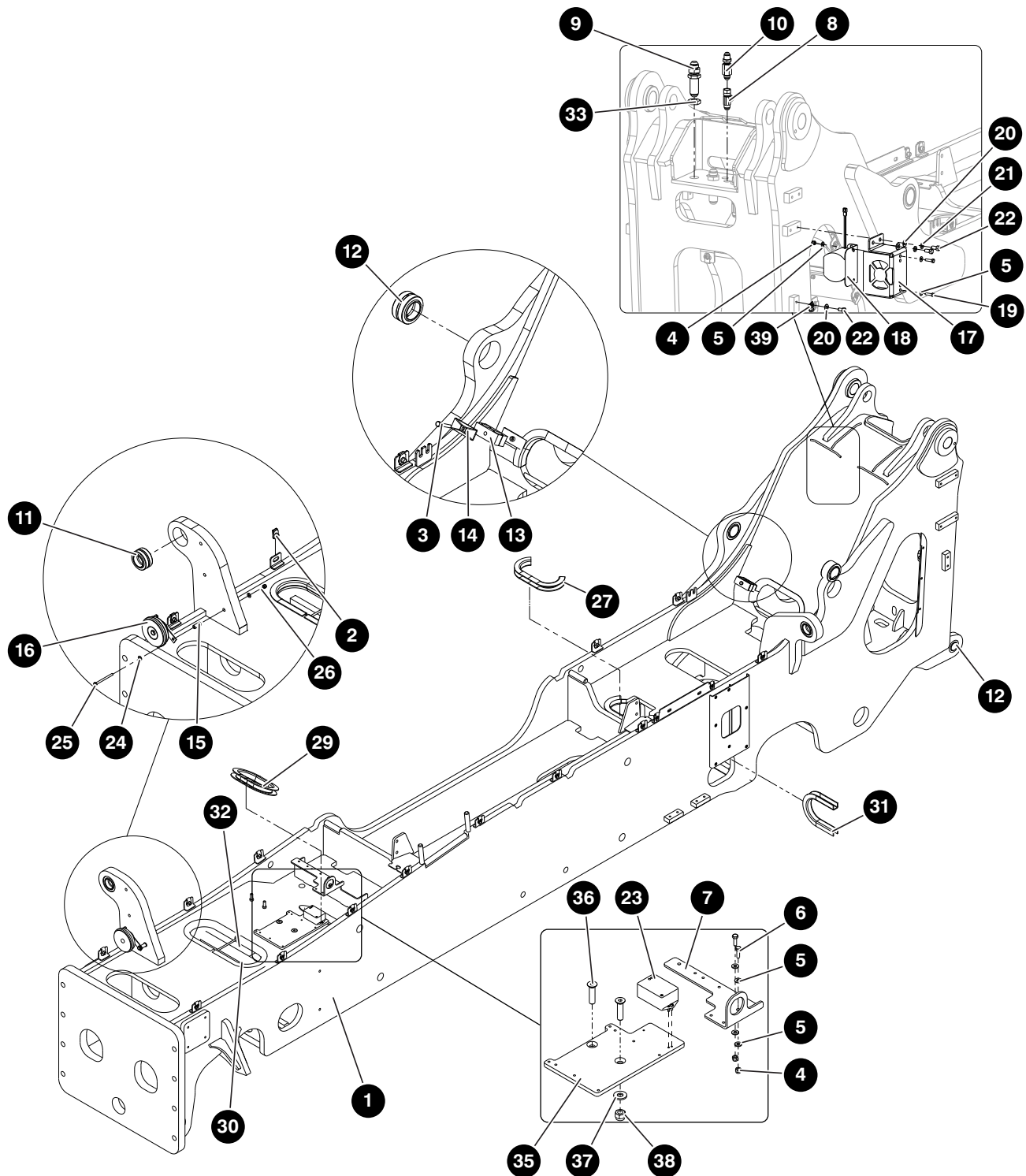


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1.2 Frame Subgroup

Index No.	Skyjack Part No.	Qty.	Description
-	190871	1	FRAME SUBGROUP, TH 1044/1056
1	190832	1	• WELDMENT, VR 1044/VR 1056 frame
2	159294	21	• NUT, Speed clip 3/8"-16
3	190688	1	• BULKHEAD, Electrical
4	115649	4	• NUT, Lock with nylon insert 1/4"-20 grade 5
5	103891	2	• BOLT, Hex head 1/4"-20 x 7/8" grade 5
6	103995	11	• WASHER, Flat 1/4"
7	197689	2	• FITTING, Bulkhead straight (12 JICM - 12 JICM) long
8	197686	2	• FITTING, (08 JIC - 08 JIC) long
9	103865	1	• BOLT, Hex head 5/16"-18 x 2 grade 5
10	106170	2	• FITTING, Tee swivel - 8 JIC
11	230942	2	• BEARING, 2" Spherical maintenance free
12	920767	3	• BEARING
13	190410	1	• CLAMP, Body 428/28PP
14	190217	1	• PLATE, Cover 4D
15	191489	1	• COVER, Back-up alarm
16	921172	1	• ALARM, Back-up rework
17	103857	2	• BOLT, Hex head 1/4"-20 x 1 grade 5
18	125959	2	• WASHER, Flat 3/8" hard
19	103999	2	• WASHER, Lock 3/8"
20	101632	2	• BOLT, Hex head 3/8"-16 x 3/4" grade 5
21	(Ref).	1	• ASSEMBLY, Tilt sensor
22	133598	1	• SPACER, 3/8" X 1 1/8"
23	103868	1	• BOLT, Hex head 5/16"-18 x 3-1/2" grade 5
24	162053	19.25	• PROTECTIVE TRIM, 3/4"
25	162053	13"	• PROTECTIVE TRIM, 3/4"
26	162053	18"	• PROTECTIVE TRIM, 3/4"
27	923025	1	• HORN, Electric 12V
28	197544	20"	• PROTECTIVE TRIM, 3/4" to 1"
29	197544	30"	• PROTECTIVE TRIM, 3/4" to 1"
30	162053	30"	• PROTECTIVE TRIM, 1/2" to 5/8"
31	103984	1	• NUT, Lock with nylon insert 5/16"-18 grade 5
32	103996	3	• WASHER, Flat 5/16"
33	198511	2	• NUT, Bulkhead - 12
34	198511	2	• NUT, Bulkhead - 12

1.3 Frame Subgroup - Dual tilt



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1.3 Frame Subgroup - Dual tilt

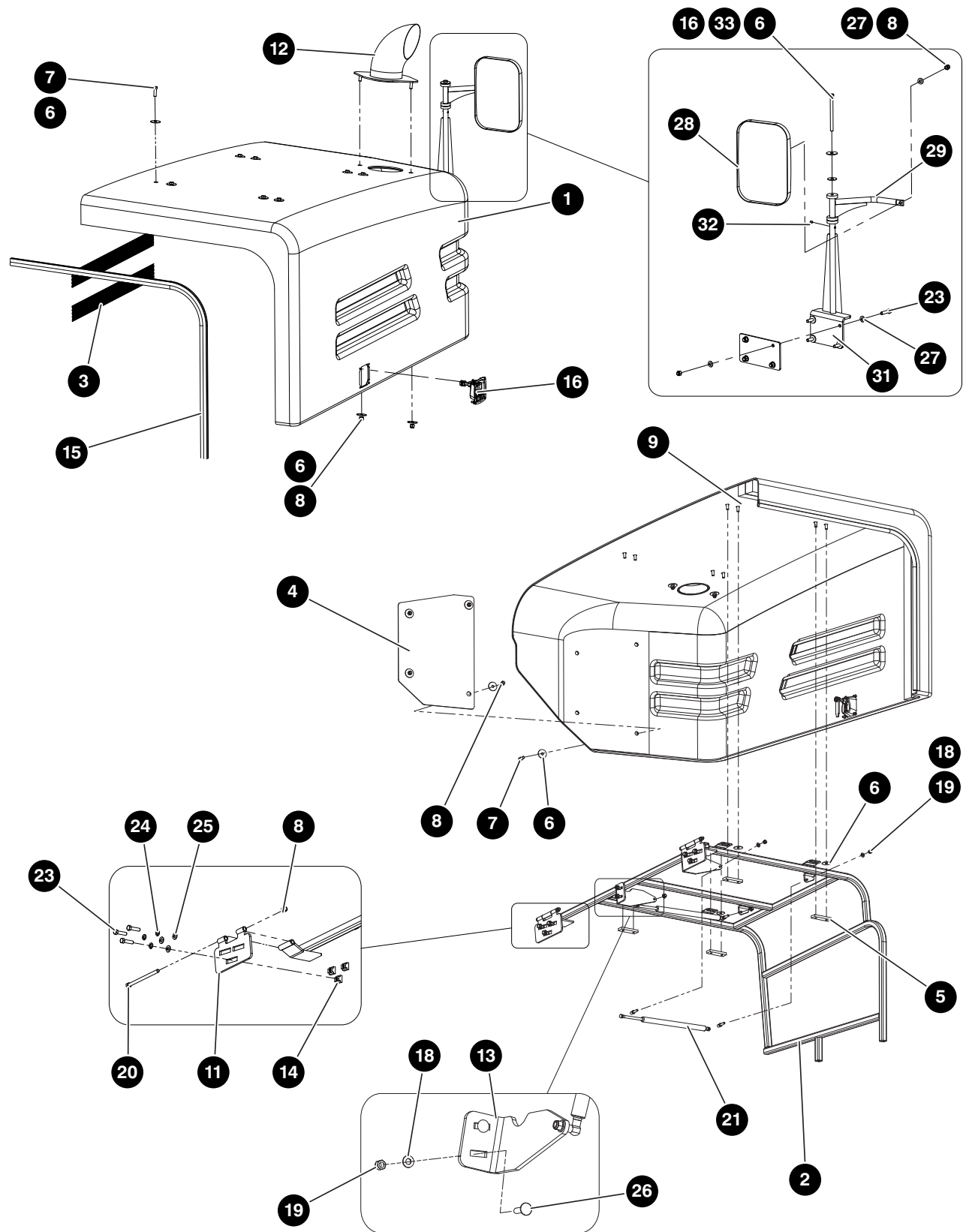
Index No.	Skyjack Part No.	Qty.	Description
-	235299	1	FRAME SUBGROUP DUAL TILT - <i>For serial numbers 87312009 and above</i>
1	235300	1	WELDMENT, FRAME 1044/1056
2	159294	21	NUT, SPEED CLIP 0.375-16
3	103865	1	BOLT-HEX HD/ZINC (.31-18 X 2.00 / GR5)
4	115649	4	NUT, LOCK 0.250-20 GR5 - NYL
5	103995	8	WASHER, FLAT 0.250
6	103891	2	BOLT, HXHD 0.25-20 X 0.875 GR5
7	190688	1	BULKHEAD, ELECTRICAL
8	106170	2	FTG, TEE SWIVEL -8 JIC
9	197689	2	BKHD FTG, STR 12JIC-12JIC LONG
10	197686	2	BKHD FTG, STR 8JIC-8JIC LONG
11	920767	2	BEARING, SPHERICAL
12	230942	2	"BEARING, SPHERICAL MAINTENANCE FREE 2.00"
13	190410	1	CLAMP, BODY 428/28PP
14	190217	1	PLATE, COVER 4D
15	133598	1	ROLLED SPACER FOR 3/8" BOLT 1 1/8" LG
16	923025	1	HORN, ELECTRIC 12V
17	235250	1	BRACKET, BACK-UP ALARM
18	921172	1	BACK-UP ALARM REWORK
19	103857	2	BOLT-HEX HD/ZINC (.25-20 X 1.00 / GR5)
20	125959	3	WASHER FLAT 0.375 HARD
21	103999	2	WASHER, LOCK 0.375
22	101632	3	BOLT-HEX HD/ZINC (.38-16 X 0.75 / GR5)
23	196364	1	TILT SENSOR, ASSEMBLY
24	103996	3	Washer Flat 0.312
25	103868	1	BOLT-HEX HEAD 5/16-18 GRADE 5 X 3.50
26	103984	1	NUT, LOCK 0.313-18 GR5 - NYL
27	162053	13	PROTECTIVE TRIM - 3/4"
28	162053	18	PROTECTIVE TRIM - 3/4"
29	162053	19.25	PROTECTIVE TRIM, 3/4"
30	162053	35	PROTECTIVE TRIM, 3/4"
31	197544	30	PROTECTIVE TRIM 1"
32	197544	20	PROTECTIVE TRIM, 1"
33	198511	2	BULKHEAD NUT -12
34	235239	2	BEARING, SPHERICAL MAINT-FREE DIA 1.375
35	235304	1	PLATE, ECU MOUNTING
36	235306	2	SCREW, FHCS 0.500-13 x 2.00 ZC
37	104379	2	Washer Flat 0.500 Hard
38	702507	2	NUT, LOCK 0.500-13 GrC - NYL
39	102929	1	CLIP, SINGLE G10



1.4 Engine Cowling Assembly 74 HP

Index No.	Skyjack Part No.	Qty.	Description
-	191986	-	COWLING SUBGROUP, VR (74 HP)
-	191987	1	• ASSEMBLY, COWLING VR (74 HP)
1	191906	1	• • COWLING SHELL, 74HP
2	191976	1	• • WELDMENT, Cowling structure
3	190607	1	• • PLATE, Perforated
4	191990	1	• • PLATE, Perforated 16" long
5	148368	135	• • FOAM SEAL - #1441 (2" X 2") (qty in inches)
6	190462	1	• • LATCH, Compression
7	191989	1	• • PLATE, Cowling guard
8	190608	5	• • PLATE, Anti turn
9	101297	13	• • BOLT, Hex head 3/8"-16 X 1-1/4" grade 5
10	127067	24	• • WASHER, Flat 3/8" style BB
11	104606	12	• • NUT, Lock 3/8"-16 grade 5 - nylon insert
12	190557	1	• • PLATE, Cowling latch
13	190483	60"	• SEAL, 1/4 edge X 5/8 bulb
14	191373	1	• PLATE, Latch
15	190612	1	• WELDMENT, Exhaust stack
16	190609	6	• NUT, 1/2" T-slot 3/8"-16
17	106049	2	• BOLT, Carriage bolt 5/16"-18 x 1-1/4" grade 5
18	103996	6	• WASHER, Flat 5/16" SAE
19	103984	6	• NUT, Lock with nylon insert 5/16"-18 grade 5
20	190926	1	• BRACKET, Gas spring MT
21	103472	10	• WASHER, Flat 3/8" SAE
22	103870	10	• BOLT, Hex head 3/8"-16 X 1-1/2" grade 5
23	103999	6	• WASHER, Lock 3/8"
24	125959	7	• WASHER, Flat 3/8" SAE hard
25	190927	1	• WELDMENT, Hinge cowling RH
26	190615	1	• WELDMENT, Hinge cowling LH
27	138736	2	• BOLT, Hex head 3/8"-16 X 6" grade 5
28	191992	1	• WELDMENT, Mirror base (74hp)
29	191890	1	• WELDMENT, Mirror rotation
30	931379	1	• MIRROR
31	191892	2	• WASHER, Plastic 3/8" X 1-1/4"
32	163510	1	• BOLT, Hex head 3/8"-16 X 5" grade 5
33	117691	2	• SET SCREW, 1/4"-20 X 1/4"
34	190925	2	• GAS SPRING - VR cowling
35	138836	4	• STUD - Ball

1.5 Engine Cowling Assembly 107 HP

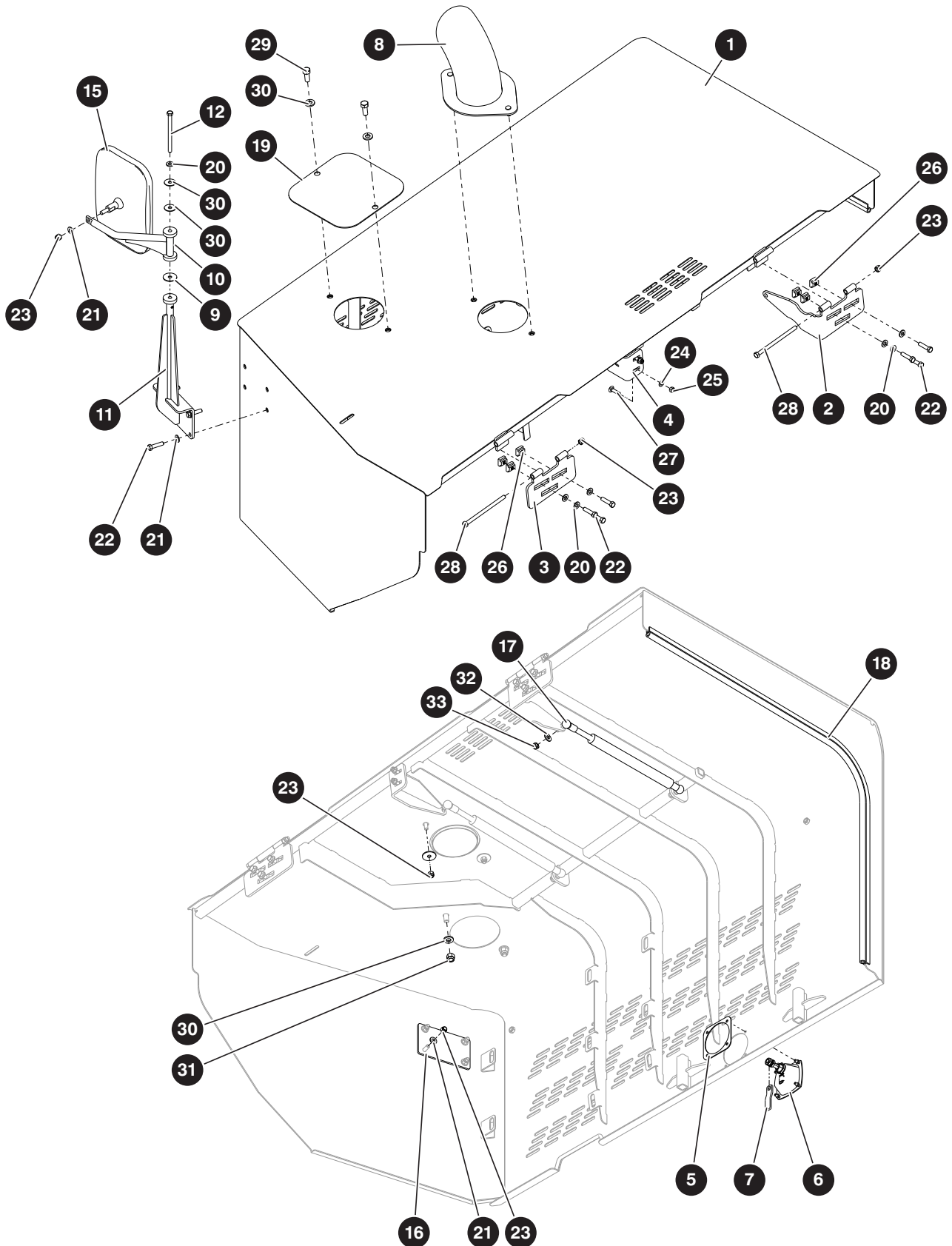


M190664AD

1.5 Engine Cowling Assembly 107 HP

Index No.	Skyjack Part No.	Qty.	Description
-	190664	1	COWLING SUBGROUP, TH
-	190663	1	• COWLING, ASSEMBLY TH
1	190482	1	• • COWLING, Shell TH
2	190647	1	• • WELDMENT, Cowling support
3	190607	2	• • PLATE, Perforated
4	190613	1	• • PLATE, Cowling guard
5	190608	4	• • PLATE, Anti turn
6	127067	23	• • WASHER, Flat 3/8" style BB
7	101297	12	• • BOLT, Hex head 3/8"-16 X 1-1/4" Gr. 5
8	104606	13	• • NUT, Lock with nylon insert 3/8"-16 Gr. 5
9	148368	135"	• • SEAL, Foam #1441 (2"X2")
10	190615	1	• WELDMENT, Hinge cowling LH
11	190927	1	• WELDMENT, Hinge cowling RH
12	190612	1	• STACK WELDMENT, Exhaust
13	190926	1	• BRACKET, Gas spring mounting
14	190609	6	• NUT, 1/2" T-SLOT 3/8"-16
15	190483	60"	• SEAL, 1/4" EDGE X 5/8" BULB
16	191892	2	• WASHER, Plastic 3/8" X 1-1/4"
17	191373	1	• PLATE, Latch
18	103996	6	• WASHER, 11/32" ID X 3/4" OD X 3/32" zinc
19	103984	6	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
20	138736	2	• BOLT, Hex head 3/8"-16 X 6" Gr. 5
21	190925	2	• GAS SPRING, TH cowling
22	138836	4	• STUD - BALL
23	103870	10	• BOLT, Hex head 3/8"-16 X 1-1/2" Gr. 5
24	103999	6	• WASHER, Lock 3/8"
25	125959	7	• WASHER, Flat 3/8" SAE hard
26	106049	2	• BOLT, Carriage bolt 5/16"-18 X 1-1/4" Gr. 5
27	103472	9	• WASHER, 13/32" ID X 13/16" OD X 1/16" zinc
28	931379	1	• ASSEMBLY, Mirror
29	191890	1	• WELDMENT, Mirror Rotation
30	191451	1	• PLATE, Backing
31	191889	1	• WELDMENT, Mirror base
32	117691	2	• SET SCREW, 1/4"-20 X 1/4"
33	163510	1	• BOLT, Hex head 3/8"-16 X 5" Gr. 5

1.6 74 HP Steel Cowling

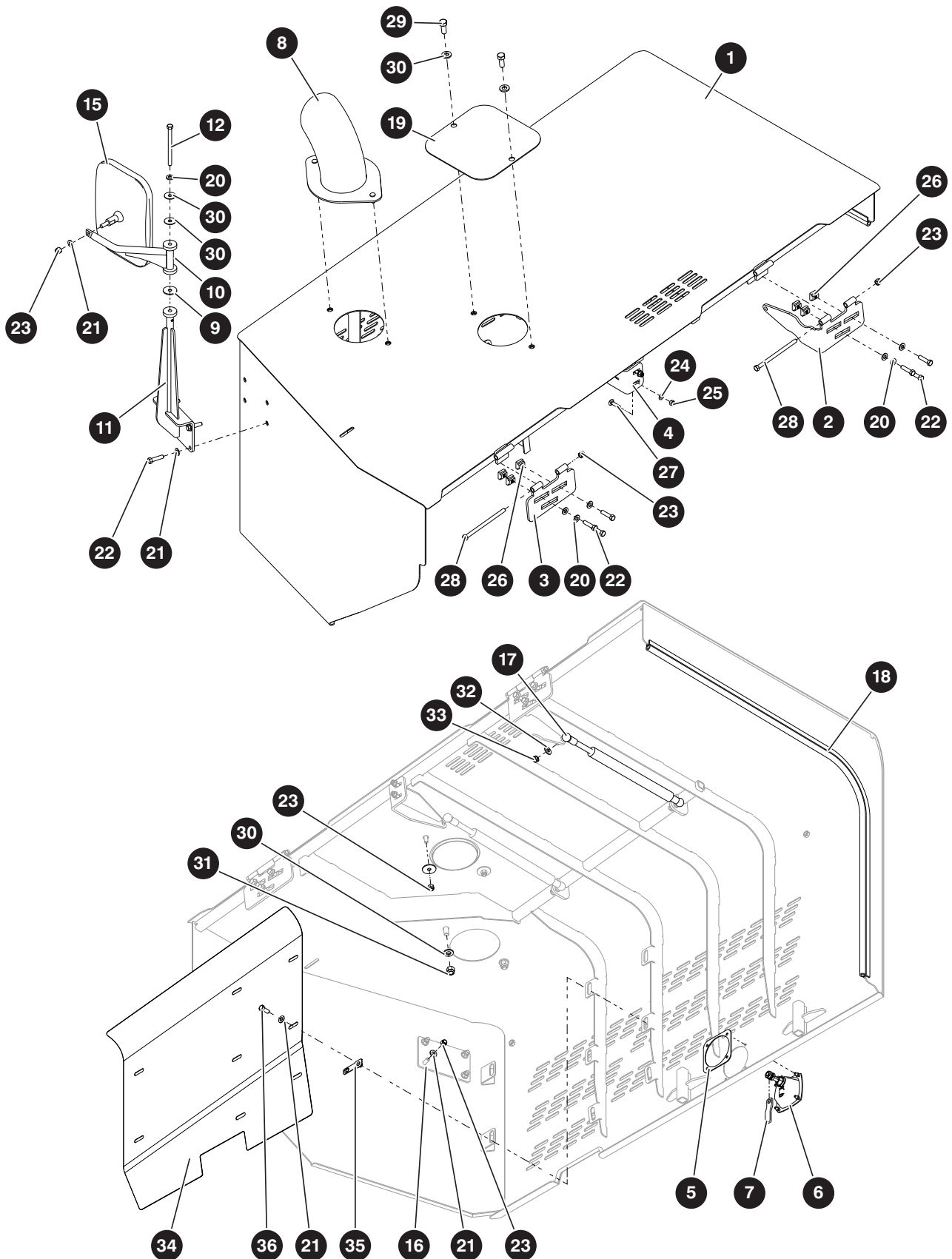


M235873AB

1.6 74 HP Steel Cowling

Index No.	Skyjack Part No.	Qty.	Description
-	235873	1	STEEL COWLING
1	232399	1	COWLING WELDMENT
2	235067	1	WELDMENT, HINGE COWLING RH
3	190615	1	WELDMENT, HINGE COWLING LH
4	235076	1	WELDMENT, HINGE COWLING LH
5	190557	1	PLATE, COWLING LATCH
6	190462	1	LATCH, COMPRESSION
7	235072	1	PLATE, LATCH
8	190612	1	STACK WLDT, EXHAUST
9	191892	2	WASHER, PLASTIC 3/8" X 1 1/4"
10	191890	1	WELDMENT, MIRROR ROTATION
11	191889	1	WELDMENT, MIRROR BASE
12	163510	1	BOLT, HXHD 0.375-16 X 5.000 GR5
13	127067	3	WASHER, FLAT 0.375 STYLE BB
14	117691	2	SET SCREW (HEX SOCKET) 1/4-20 X 1/4
15	931379	1	MIRROR ASSEMBLY
16	235077	1	PLATE, BACKING
17	248036	2	GAS SPRING, TH STEEL COWLING
18	149357	60	SEAL - BULB (0.090-0.12 GRIP)
19	235054	1	PLATE, TOP COVER - COWLING
20	125959	7	WASHER FLAT 0.375 HARD
21	103472	9	WASHER FLAT 0.375
22	103870	10	BOLT, HXHD 0.375-16 X 1.500 GR5
23	104606	9	NUT, LOCK 0.375-16 GR5 - NYL
24	103996	2	Washer Flat 0.312
25	103984	2	NUT, LOCK 0.313-18 GR5 - NYL
26	190609	6	NUT, 1/2 T-SLOT 3/8-16
27	106049	2	"BOLT, CARRIAGE BOLT 0.313-18 x 1.25 GRD 5"
28	138736	2	BOLT, HXHD 0.375-16 X 6.000 GR5
29	103909	2	BOLT, HXHD 0.50-13 X 1.250 GR5
30	104379	4	Washer Flat 0.500 Hard
31	702507	2	NUT, LOCK 0.500-13 GrC - NYL
32	600572	4	"WASHER, FLAT M10 HARDENED DIN 125 (600572)"
33	223165	4	"NUT HEX NYLON LOCK M10 X 1.5 CL 8 ZP"

1.7 Steel Cowling

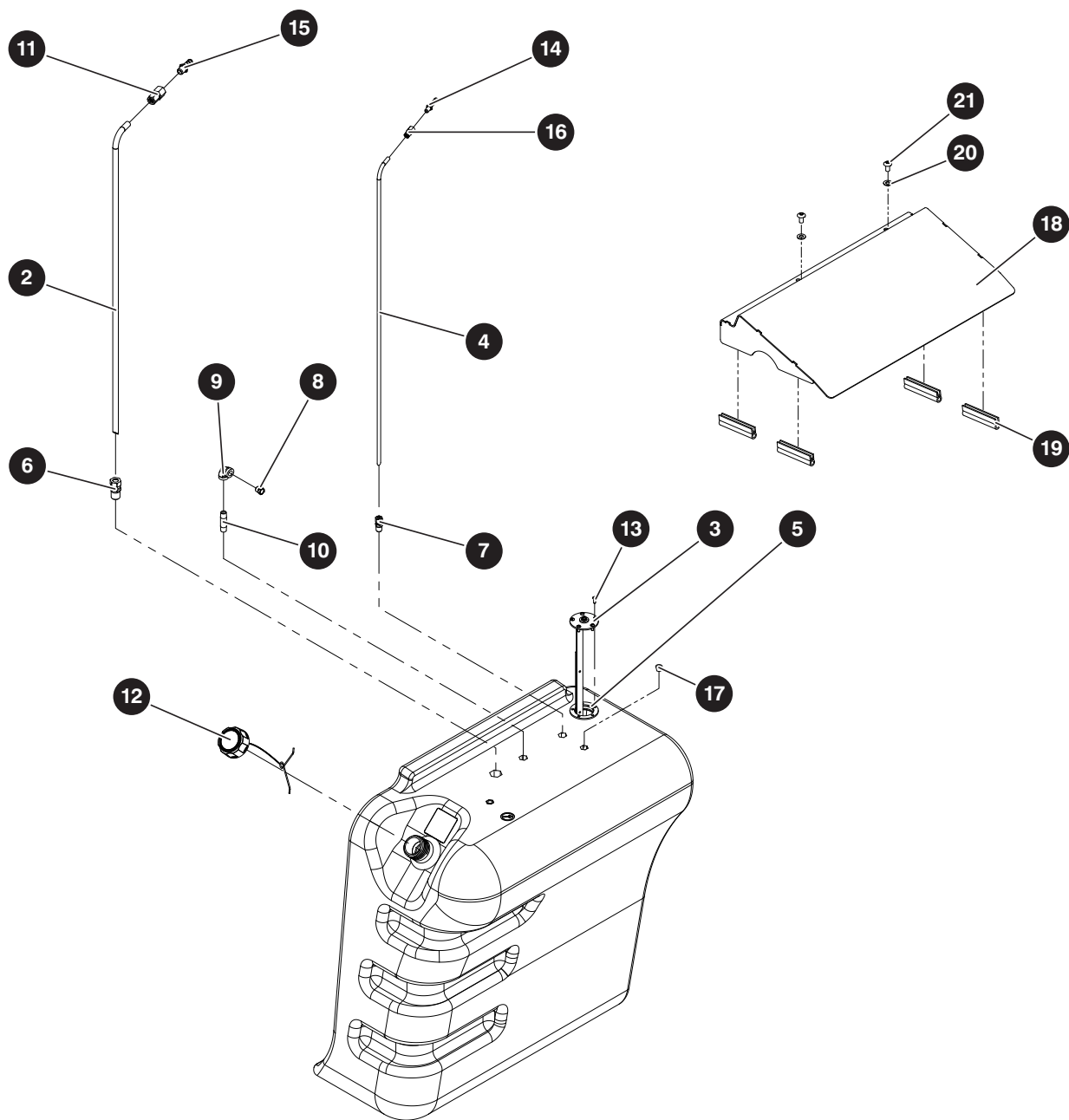


MAC

1.7 Steel Cowling

Index No.	Skyjack Part No.	Qty.	Description
-	232395	1	STEEL COWLING
1	232399	1	COWLING WELDMENT
2	235067	1	WELDMENT, HINGE COWLING RH
3	190615	1	WELDMENT, HINGE COWLING LH
4	235076	1	WELDMENT, HINGE COWLING LH
5	190557	1	PLATE, COWLING LATCH
6	190462	1	LATCH, COMPRESSION
7	235072	1	PLATE, LATCH
8	190612	1	STACK WLDT, EXHAUST
9	191892	2	WASHER, PLASTIC 3/8" X 1 1/4"
10	191890	1	WELDMENT, MIRROR ROTATION
11	191889	1	WELDMENT, MIRROR BASE
12	163510	1	BOLT, HXHD 0.375-16 X 5.000 GR5
13	127067	3	WASHER, FLAT 0.375 STYLE BB
14	117691	2	SET SCREW (HEX SOCKET) 1/4-20 X 1/4
15	931379	1	MIRROR ASSEMBLY
16	235077	1	PLATE, BACKING
17	248036	2	GAS SPRING, TH STEEL COWLING
18	149357	60	SEAL - BULB (0.090-0.12 GRIP)
19	235054	1	PLATE, TOP COVER - COWLING
20	125959	7	WASHER FLAT 0.375 HARD
21	103472	17	WASHER FLAT 0.375
22	103870	10	BOLT, HXHD 0.375-16 X 1.500 GR5
23	104606	9	NUT, LOCK 0.375-16 GR5 - NYL
24	103996	2	Washer Flat 0.312
25	103984	2	NUT, LOCK 0.313-18 GR5 - NYL
26	190609	6	NUT, 1/2 T-SLOT 3/8-16
27	106049	2	"BOLT, CARRIAGE BOLT 0.313-18 x 1.25 GRD 5"
28	138736	2	BOLT, HXHD 0.375-16 X 6.000 GR5
29	103909	2	BOLT, HXHD 0.50-13 X 1.250 GR5
30	104379	4	Washer Flat 0.500 Hard
31	702507	2	NUT, LOCK 0.500-13 GrC - NYL
32	600572	4	"WASHER, FLAT M10 HARDENED DIN 125 (600572)"
33	223165	4	"NUT HEX NYLON LOCK M10 X 1.5 CL 8 ZP"
34	235074	1	HEAT SHEILD, TH COWLING
35	159294	8	NUT, SPEED CLIP 0.375-16
36	300437	8	BOLT, HXHD 0.375-16 X 0.875 GR5

1.8 Fuel Tank Assembly



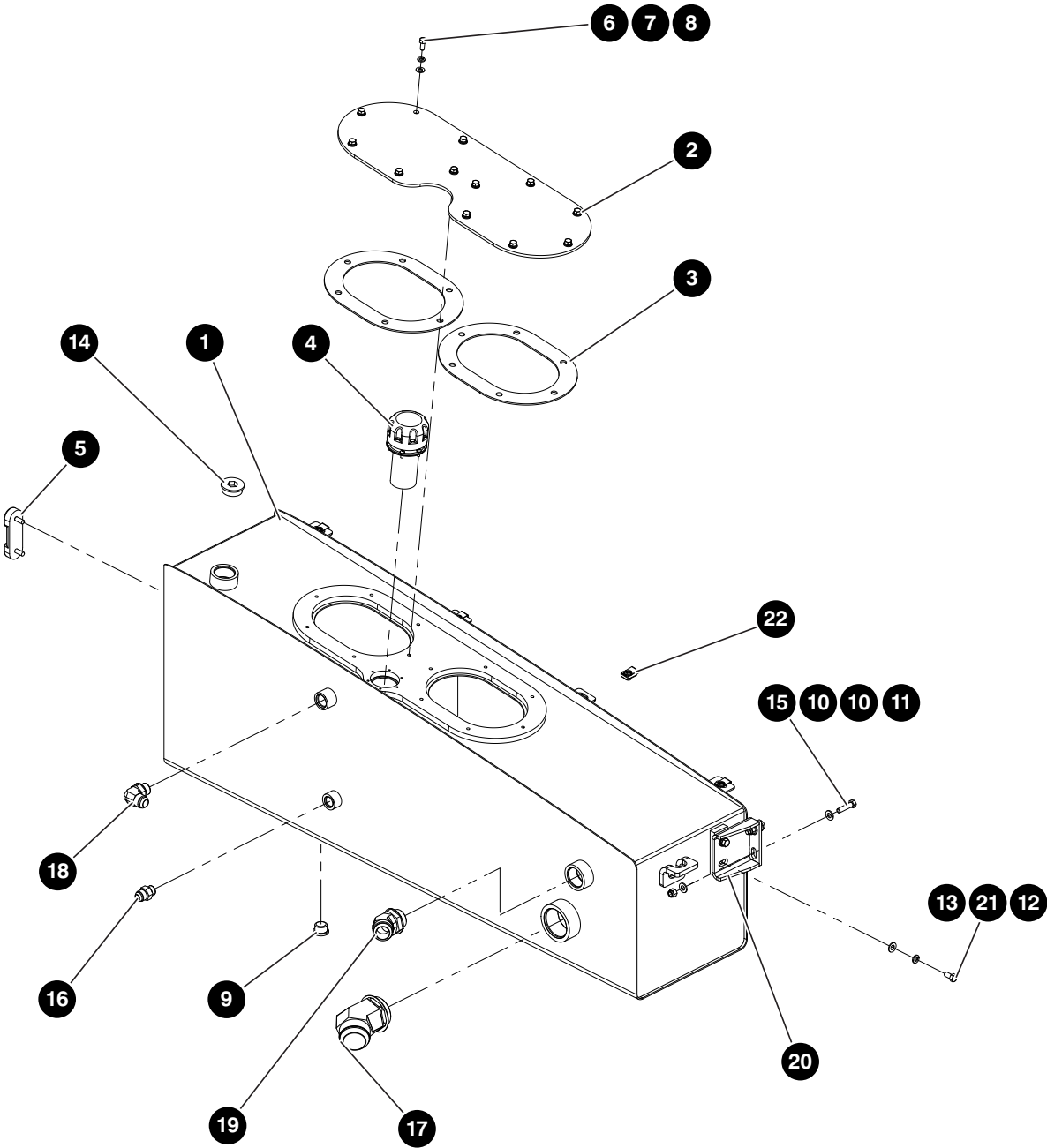
M191247AF

190126AK

1.8 Fuel Tank Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	191247	1	FUEL TANK SUBGROUP
-	256447	1	• ASSEMBLY, TH FUEL TANK
2	190604	1	• • TUBE, Diesel fuel suction
3	216696	1	• • FUEL SENDER
4	190684	1	• • TUBE, Diesel fuel return
5	191253	1	• • GASKET, Fuel tank
6	164674	1	• • FITTING, Tube compression 1/2" OD x 1/2" NPT
7	103155	1	• • FITTING, Brass tank #T68-5B, 1/4 NPT
8	116408	1	• • BREATHER, Vent 1/4 NPT
9	144325	1	• • FITTING, Fitting 90° (1/4 NPTF x 1/4 NPTF brass)
10	143478	1	• • FITTING, Fitting-nipple (1/4 NPT X 2" long brass)
11	165716	1	• • FITTING, Straight adapter (08 BT - 06 FP)
12	144410	1	• • CAP, Fuel (non epa)
13	103962	5	• • SCREW, Round head machine 10-32 x 1/2"
14	191978	1	• • FITTING, Beaded hose barb 5/16" tube
15	191977	1	• • FITTING, Beaded hose barb 1/2" tube
16	191979	1	• • FITTING, Straight adapter (05 BT - 02 FP)
17	197516	2	• PLUG, 3/8" Tapered series
-	240078	1	ASSEMBLY, FUEL TANK COVER
18	238566	1	• COVER, Fuel tank
19	149357	16	• SEAL, Bulb (0.090"-0.12 Grip)
20	103472	2	• WASHER, Flat 3/8"
21	101632	2	• BOLT, Hex head 3/8"-16 x 3/4" Gr. 5

1.9 Hydraulic Tank Assembly



M190489AC

1.9 Hydraulic Tank Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	190489	1	HYDRAULIC TANK SUBGROUP
B	230395	1	HYDRAULIC TANK SUBGROUP
-	190490	1	• ASSEMBLY, Hydraulic tank TH
1	190491	1	• • WELDMENT, Painted hydraulic tank
2	190506	1	• • PLATE, Access cover, 25-1/4" long
-	233212	1	• • PLATE, Access cover, 26-1/2" long
3	191231	2	• • GASKET, TH hydraulic tank
4	191484	1	• • BREATHER, Hydraulic filler
5	103236	1	• • LEVEL INDICATOR, 3"
6	103996	12	• • WASHER, 11/32" ID x 3/4" OD x 3/32" zinc
7	103887	12	• • BOLT, Hex head 5/16"-18 x 3/4" Gr. 5
8	103404	12	• • WASHER, Lock 5/16"
9	117701	1	• • PLUG, Tank (3/4"-16 UNF with magnet)
10	125959	8	• WASHER, Flat 3/8" hard
11	104606	4	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
12	101632	4	• BOLT, Hex Head 3/8"-16 X 3/4" Gr. 5
13	103472	4	• WASHER, Flat 3/8"
14	144113	2	• FITTING, Plug - (20 ORB hex socket)
15	103870	4	• BOLT, Hex head 3/8"-16 x 1-1/2" Gr. 5
16	137630	1	• FITTING, (10 ORBM - 10 JICM)
17	933406	1	• FITTING, 32M (ORB-JIC) - If equipped A
	228628	1	• FITTING, ELBOW 45D 32 ORBM - 24 JICM - if equipped B
18	105445	1	• FITTING, 90° (12 JICM - 12 ORBM)
19	751974	1	• FITTING, 45° (20 JICM - 20 ORBM)
20	191959	2	• WELDMENT, Hydraulic tank mount
21	103999	4	• WASHER, Lock 3/8"
22	159294	4	• NUT, Speed clip 3/8"-16

 **Notes**

Section 2 – Axles

2.1

Front Axle Assembly

2.2

Front Axle - Internal Breakdown

2.3

Front Axle - Reduction Hub

2.4

Front Axle - Brakes

2.5

Front Axle - Steering

2.6

Front Axle - Trunion

2.7

Rear Axle Assembly

2.8

Rear Axle - Internal Breakdown

2.9

Rear Axle - Reduction Hub

2.10

Rear Axle - Brakes

2.11

Rear Axle - Steering

2.12

Rear Axle - Trunion

2.13

Drive Shaft Assembly

2.14

Tire and Wheel Assembly

2.15

Tire and Wheel Assembly - Non Marking

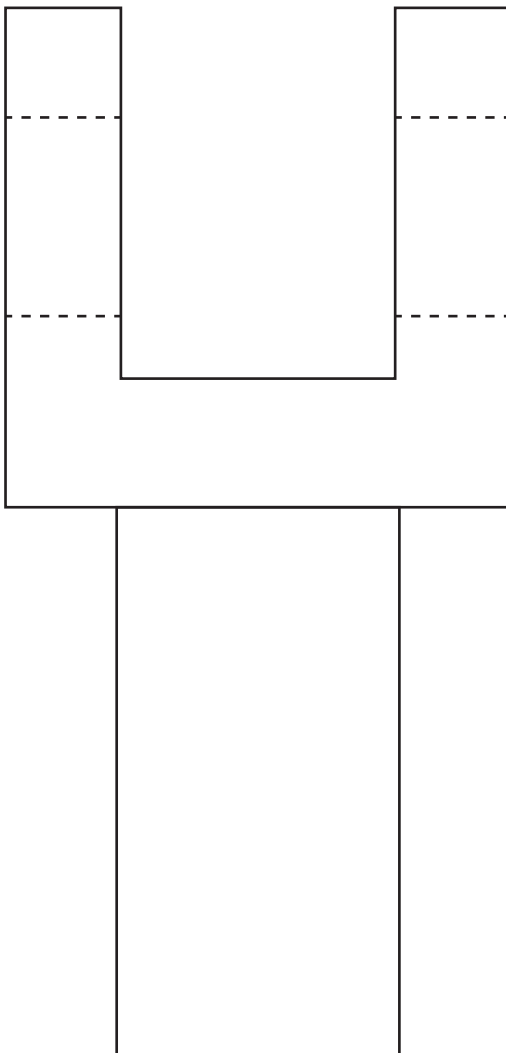
 **Notes**



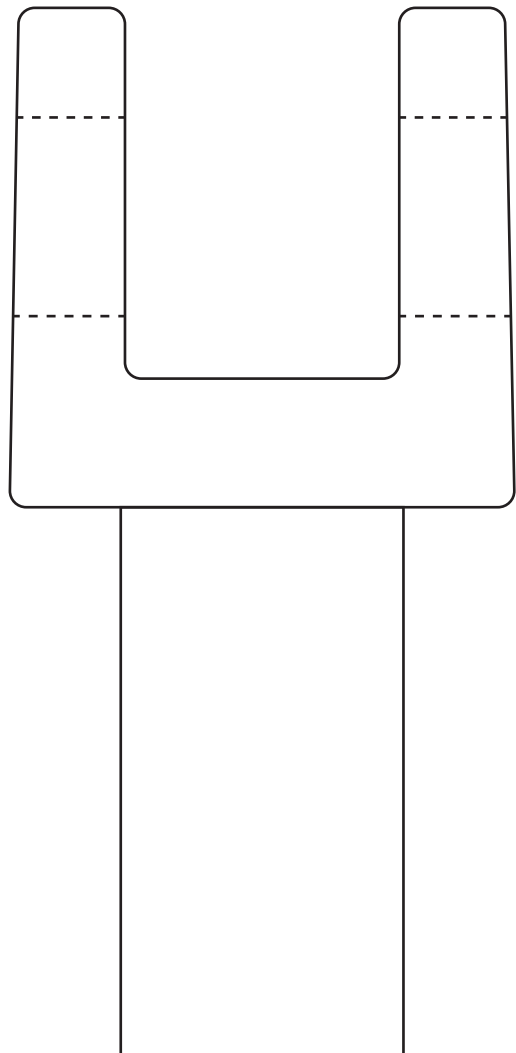
NOTE

If your telehandler has the Style B Clevis an extra crush washer (223856) and spacer (223853) is needed to secure the cylinder.

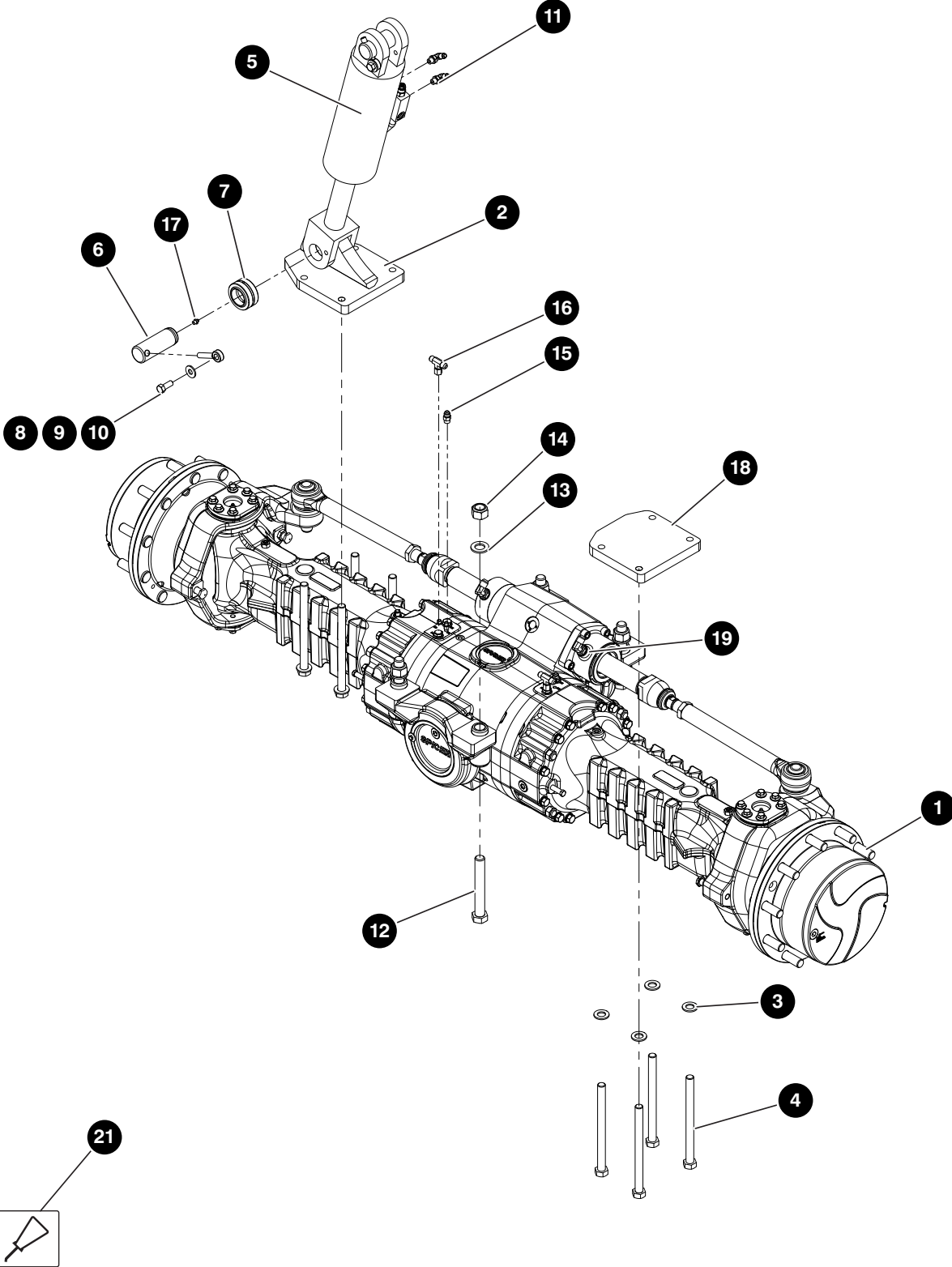
Style A Clevis



Style B Clevis



2.1 Front Axle Assembly



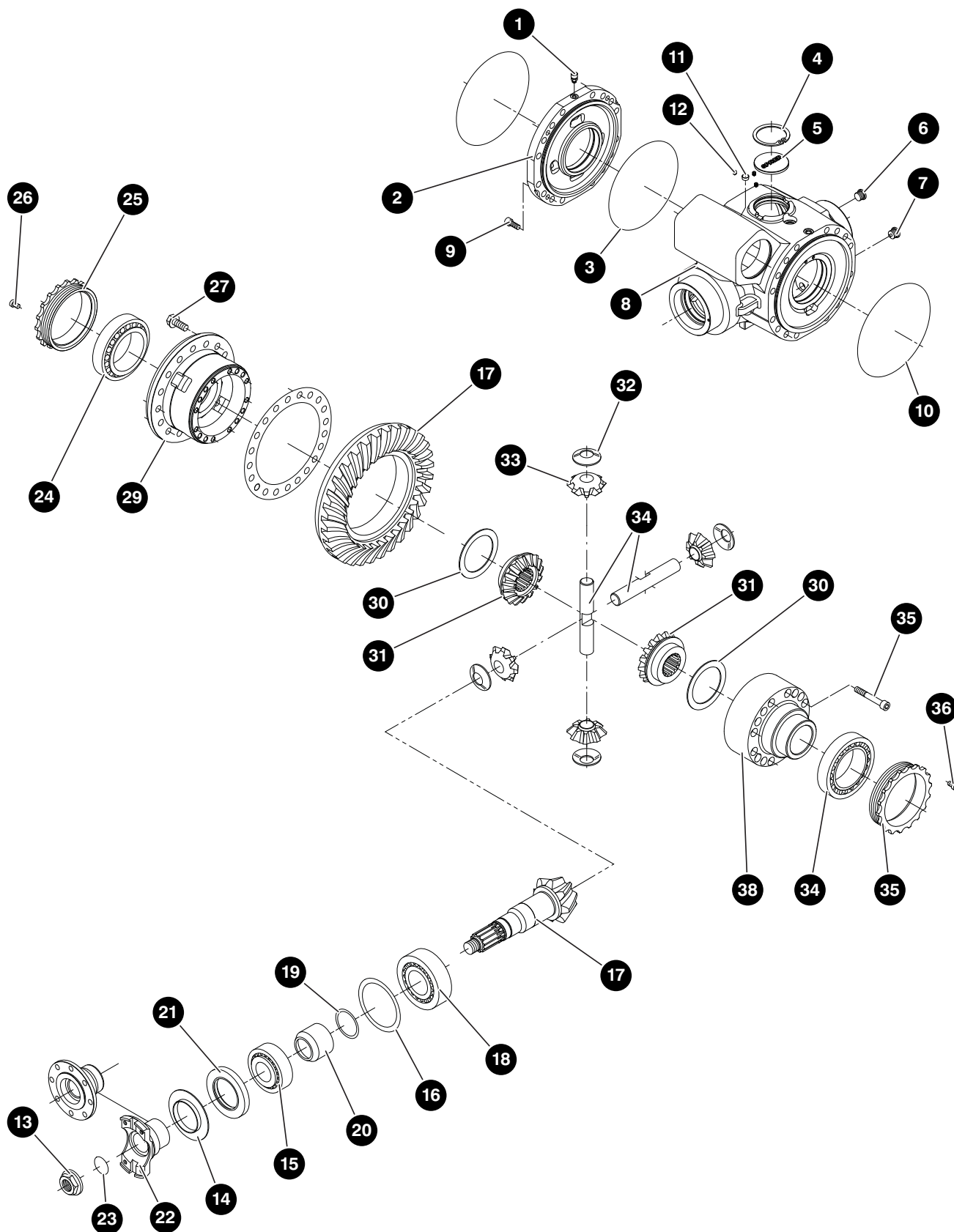
M191107AC

191107

2.1 Front Axle Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	AXLE, FRONT SUBGROUP VR 1044/56
1	190025	1	• AXLE, 223, front
2	191084	1	• WELDMENT, 1044/1056 Frame tilt mount
3	702194	8	• WASHER, Flat 3/4" Hard high zinc
4	165200	8	• BOLT, Hex head 3/4"- 10 x 10" grade 8
5	(Ref.)	1	• CYLINDER, Frame level 115B (For components, refer to Section 8.6)
6	191866	2	• PIN, 1-3/4" DIA x 4-3/4" long
7	920767	1	• BEARING, Spherical
8	191232	2	• PIN, Anchor
9	169942	2	• BOLT, Hex head 1/2"-13 x 1-1/4" grade 8 zinc
10	104379	2	• WASHER, Flat 1/2" Hard
11	114578	2	• FITTING, 90° (06 JICM - 06 ORBM)
12	190867	4	• BOLT, Hex head M24-3 x 170 grade 10.9 zinc
13	236030	8	• WASHER, Flat M24 hard
14	190866	4	• NUT, Crownlock M24-3 grade 10.9 zinc
15	190364	4	• FITTING, Straight (06JICM) 14mm
16	155022	2	• FITTING, Tee (06 JICM - 06JICM - 06JICF)
17	102027	2	• FITTING, Grease fitting, 1/8" NPT straight
18	191839	1	• PLATE, Hard stop base
19	114583	2	• FITTING, 90° (08 JICM - 08ORBM)
20	132565	2	• CAP, Grease GC5 (Not Shown)
21	(Ref.)	-	Oil, Hydraulic (For components, refer to Section 13.1)

2.2 Front Axle - Internal Breakdown



M190025-1

190126AK

38

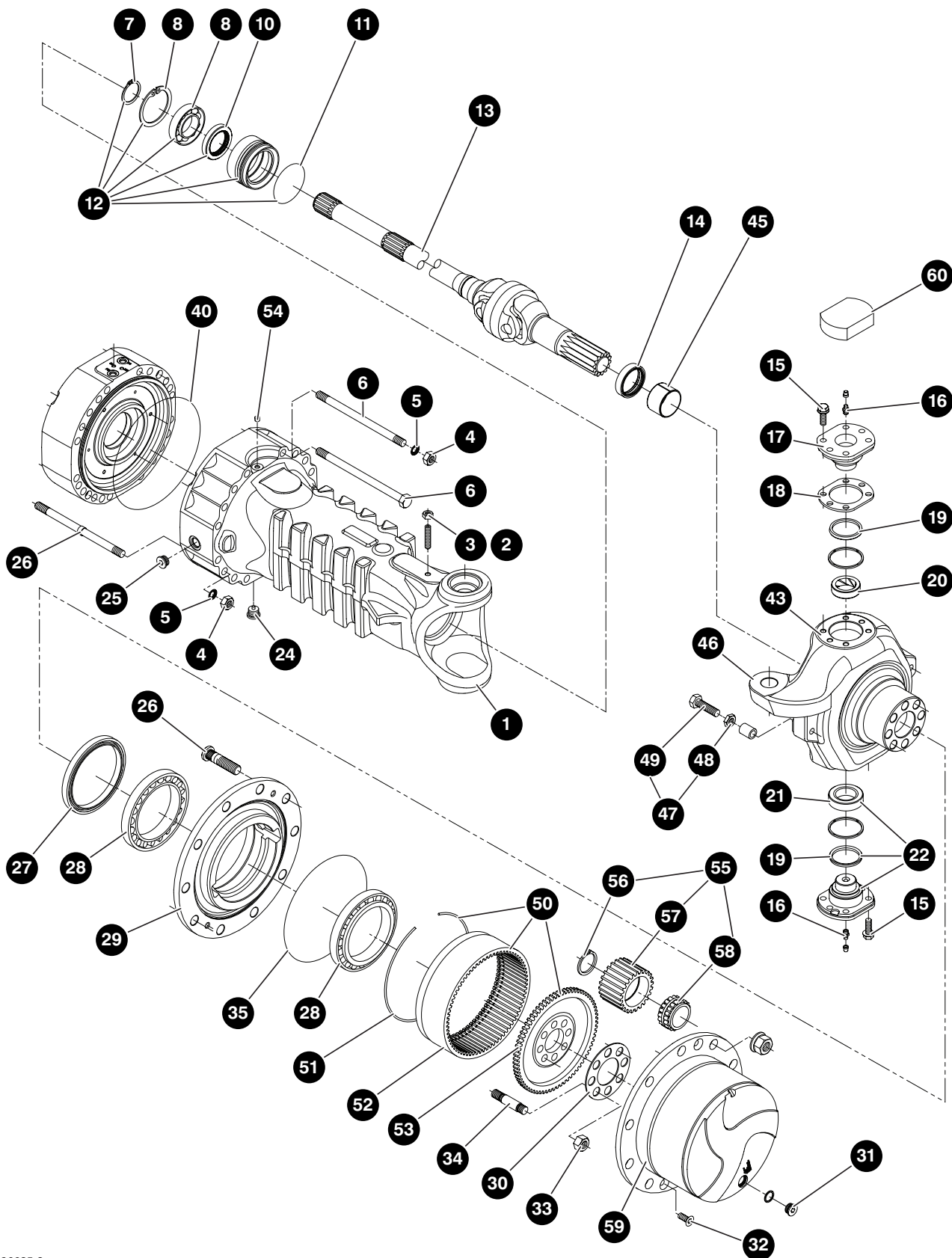
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

2.2 Front Axle - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	ASSEMBLY, FRONT AXLE 223
-	-	-	• CENTRAL HOUSING
1	408621	1	• • VENT
2	170859	1	• • COVER
3	405098	1	• • O-RING
4	140966	1	• • CIRCLIP
5	140967	1	• • PLUG
6	168258	1	• • PLUG
7	154600	1	• • MAGNET PLUG
8	196785	1	• • HOUSING
9	170860	4	• • BOLT
10	170858	2	• • O-RING
11	196786	1	• • PLUG
12	196787	3	• • BOLT
-	-	1	• DIFFERENTIAL
13	408680	1	• • NUT
14	406988	1	• • PLATE, Cover
15	168316	1	• • BEARING, Taper roller
16	168268	1	• • SHIM, Set
17	196789	1	• • BEVEL GEAR SET
18	403079	1	• • BEARING
19	196792	1	• • SHIM KIT
20	196803	1	• • SPACER
21	196810	1	• • SEAL
22	196825	1	• • FLANGE
23	403045	1	• • O-RING
24	196827	2	• • BEARING, Taper roller
25	168260	2	• • NUT, RING
26	168259	2	• • BOLT, Hex
27	140993	16	• • BOLT
28	196828	1	• • DIFFERENTIAL
29	196833	1	• • • DIFFERENTIAL CARRIER
30	168262	2	• • • WASHER
31	168263	2	• • • GEAR
32	168267	4	• • • WASHER
33	168266	4	• • • PINION
34	168264	2	• • • PIN
35	168261	15	• • • BOLT

2.3 Front Axle - Reduction Hub

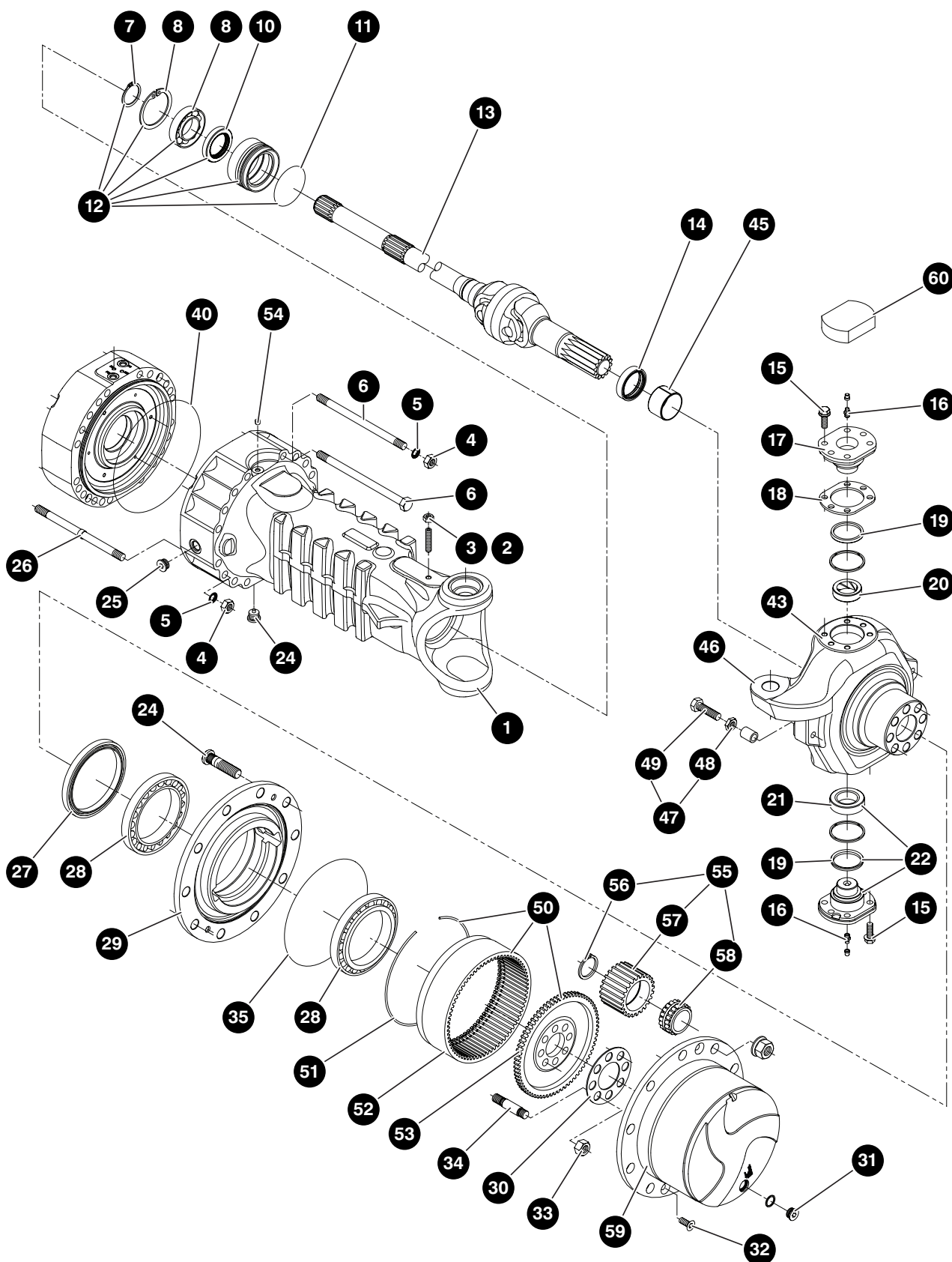


M190025-2

2.3 Front Axle - Reduction Hub

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	HUB REDUCTION
1	196867	2	• AXLE CASE
2	170797	2	• BOLT
3	403084	2	• NUT - M12-1.75
4	170836	8	• NUT
5	403098	8	• WASHER
6	196869	24	• BOLT
7	151763	2	• CIRCLIP
8	140966	2	• CIRCLIP
9	141073	2	• BALL BEARING
10	151762	2	• SEAL
11	403050	2	• O-RING, Inner axle shaft
12	151761	2	• REDUCTION BUSHING
13	196873	2	• DOUBLE UNIVERSAL JOINT
14	406436	2	• SEAL OUTER
15	140993	24	• BOLT
16	168273	2	• FITTING, GREASE
17	196709	2	• PIVOT PIN
18	168274	1	• SET, SHIM
19	196710	2	• DUST EXCLUDER
20	170801	2	• BUSHING
21	407036	2	• BEARING, Lower king pin
22	170802	2	• PIN, Pivot
23	196875	1	• STEERING CASE
24	154600	2	• MAGNET PLUG
25	168258	2	• PLUG
26	170891	8	• STUD
27	154631	2	• SEAL
28	403078	4	• BEARING, INNER/OUTER HUB
29	406429	2	• HUB
30	196881	2	• LOCKING PLATE
Part list continued on following page			

2.3 Front Axle - Reduction Hub

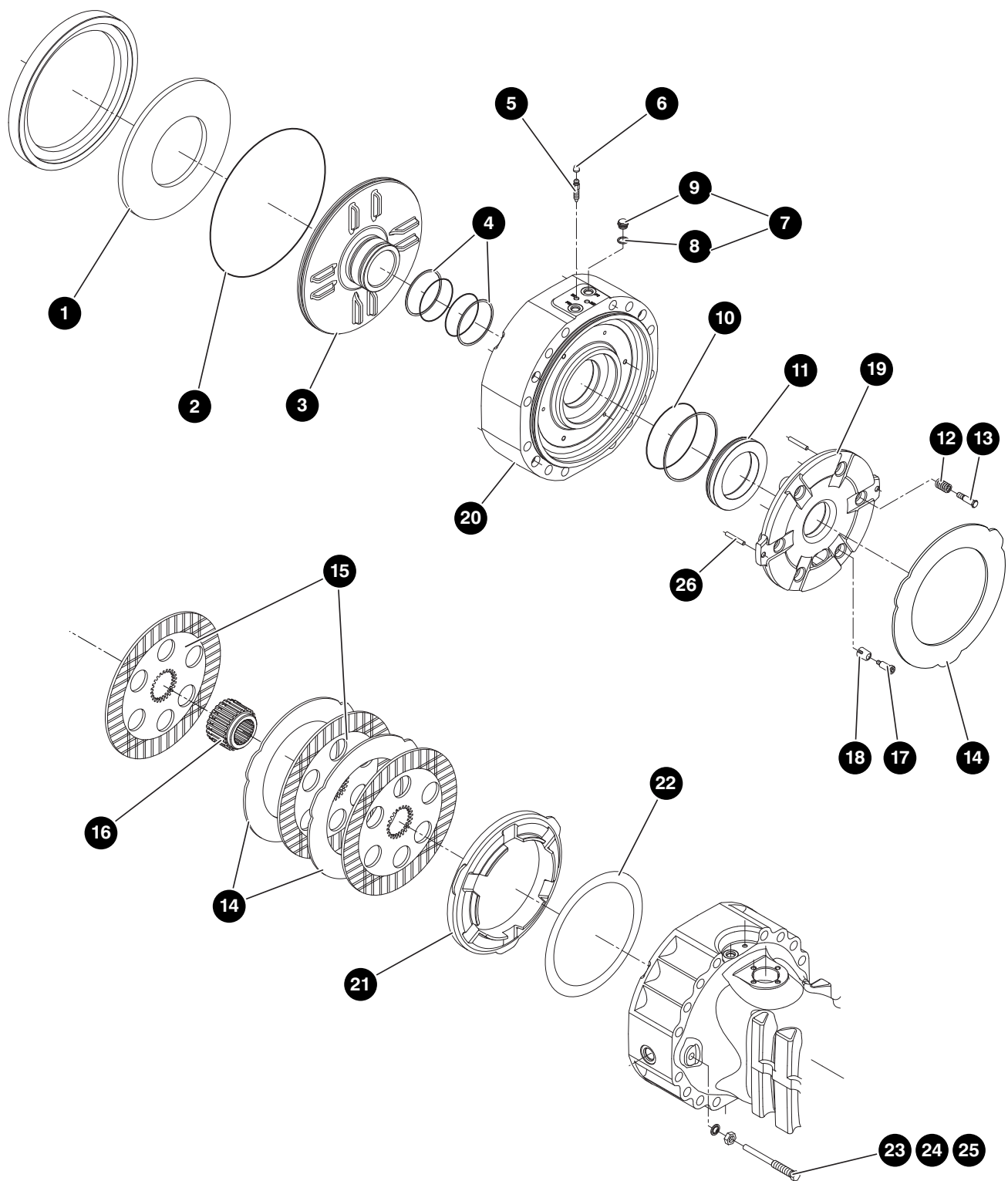


M190025-2

2.3 Front Axle - Reduction Hub

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Parts list continued from previous page
31	140969	2	• PLUG
32	141033	4	• BOLT, Countersunk
33	168279	16	• NUT
34	168278	16	• STUD
35	403046	2	• O-RING
36	405094	20	• WHEEL STUD
37	196883	2	• PLANET GEAR CARRIER
38	168285	2	• • BOLT, Steering adjust
39	168283	2	• • CARRIER, Planet gear
40	170858	2	• O-RING
41	196884	1	• STEERING CASE
42	407037	1	• • BUSHING, Shaft outer
43	196885	1	• • STEERING CASE
44	196890	1	• STEERING CASE
45	407037	1	• • BUSHING, Shaft outer
46	196875	1	• • STEERING CASE
47	168284	4	• SUPPORT, Ring gear
48	403088	4	• • NUT
49	168275	4	• • BOLT
50	168285	2	• BOLT, Steering adjust
51	196765	2	• • CIRCLIP
52	168281	2	• • GEAR, Ring
53	168280	2	• • SUPPORT, Ring gear
54	168256	2	• PLUG
55	168283	2	• CARRIER, PLANET GEAR
56	196895	6	• • SNAP RING
57	168282	6	• • GEAR, PLANET
58	407034	6	• • BEARING, Sun gear
59	197134	2	• • PLANET GEAR CARRIER
60	406391	2	• PLASTIC COVER - Upper king pin

2.4 Front Axle - Brakes

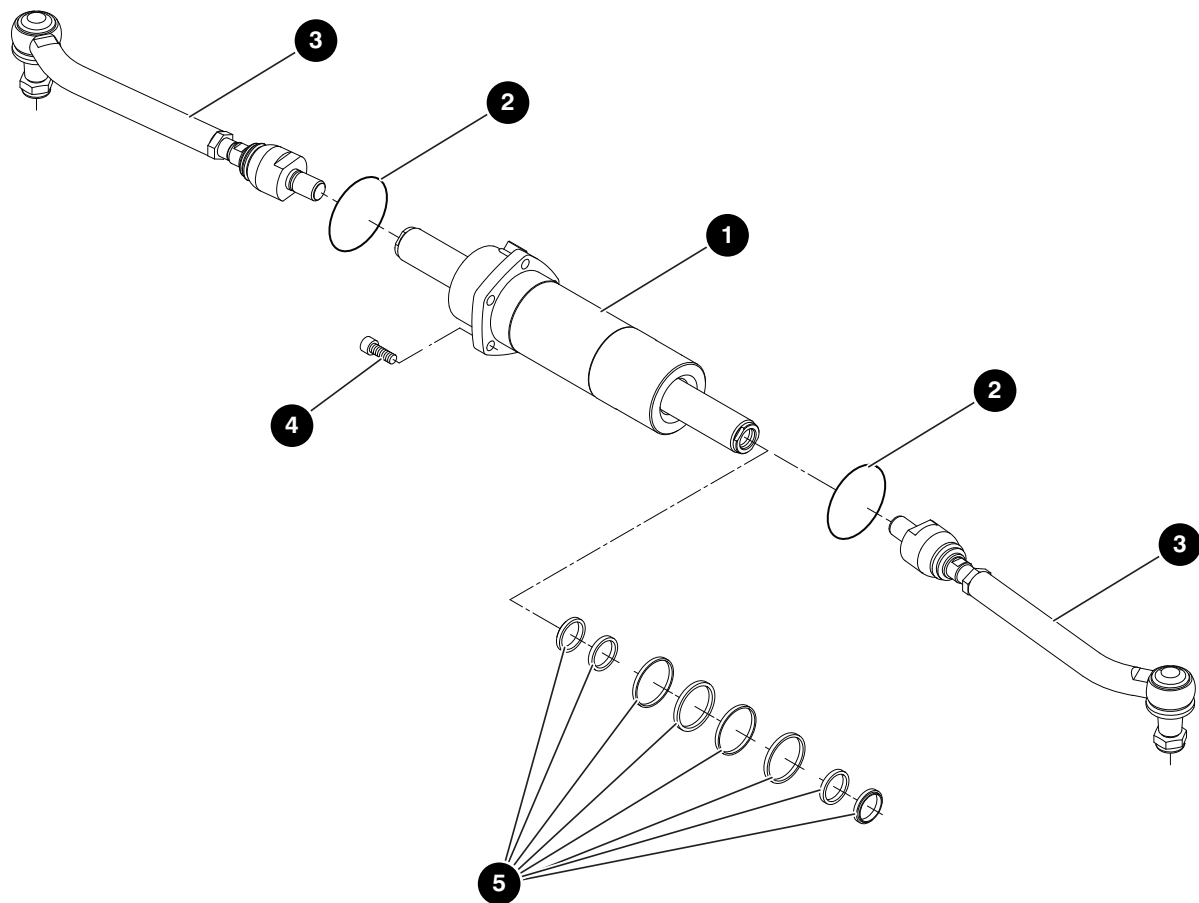


M190025-3

2.4 Front Axle - Brakes

Index No.	Skyjack Part No.	Qty.	Description
-	170894	1	BRAKES
1	404242	2	• BRAKE DISC, Spring - 213/80/81
2	170858	2	• O-RING
3	170895	2	• PISTON
4	196645	4	• SEAL
5	141086	4	• BLEEDING BOLT
6	141006	4	• PLUG
7	168299	4	• WASHER, Seal
8	168289	4	• • WASHER, Seal
9	168288	4	• • PLUG
10	216736	2	• SEAL
11	170898	2	• PISTON
12	168290	6	• SPRING
13	170849	6	• BOLT, ADJUSTING
14	404891	6	• INTERMEDIATE BRAKE DISC
15	413786	6	• DISC, FRICTION BRAKE
16	413785	2	• SELECTOR
17	170853	6	• BOLT, ADJUSTING
18	141098	6	• SPRING
19	168292	2	• DISC, Intermediate brake
20	170899	1	• COVER
21	170900	2	• SPACER
22	168295	1	• KIT, Shim
23	403096	4	• WASHER
24	403087	4	• NUT
25	168296	4	• BOLT
26	168298	4	• DOWEL

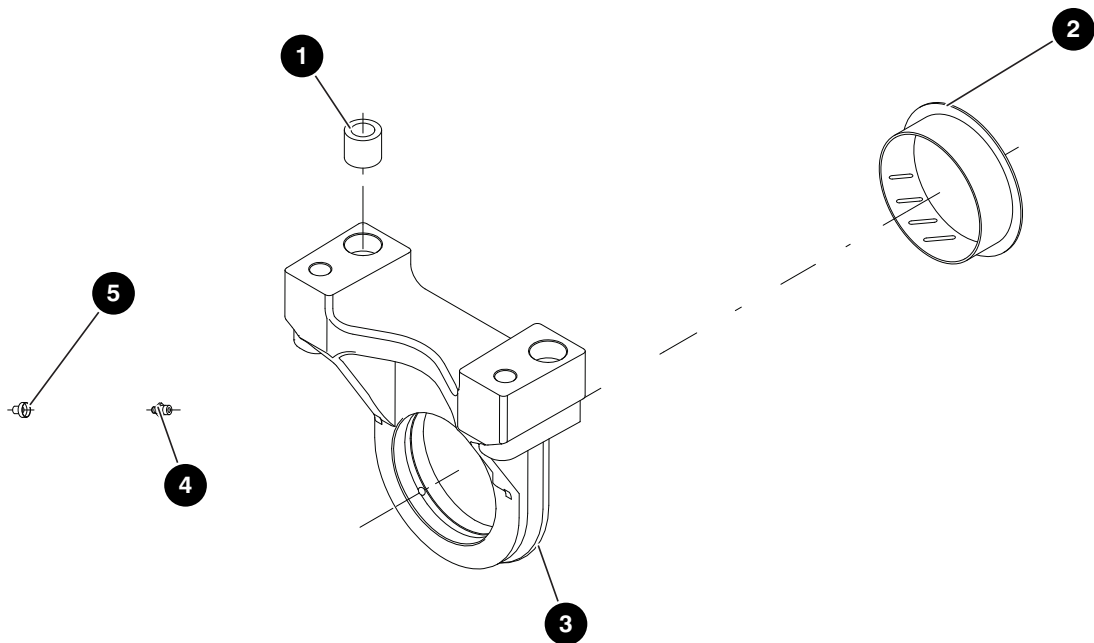
2.5 Front Axle - Steering



M190025-4

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	• STEERING
1	406443	1	• • ASSEMBLY, Steer cylinder
2	141064	2	• • O-RING
3	197094	2	• • BAR
4	168257	5	• • BOLT, Cylinder
5	406441	1	• • SEAL KIT, Steer cylinder

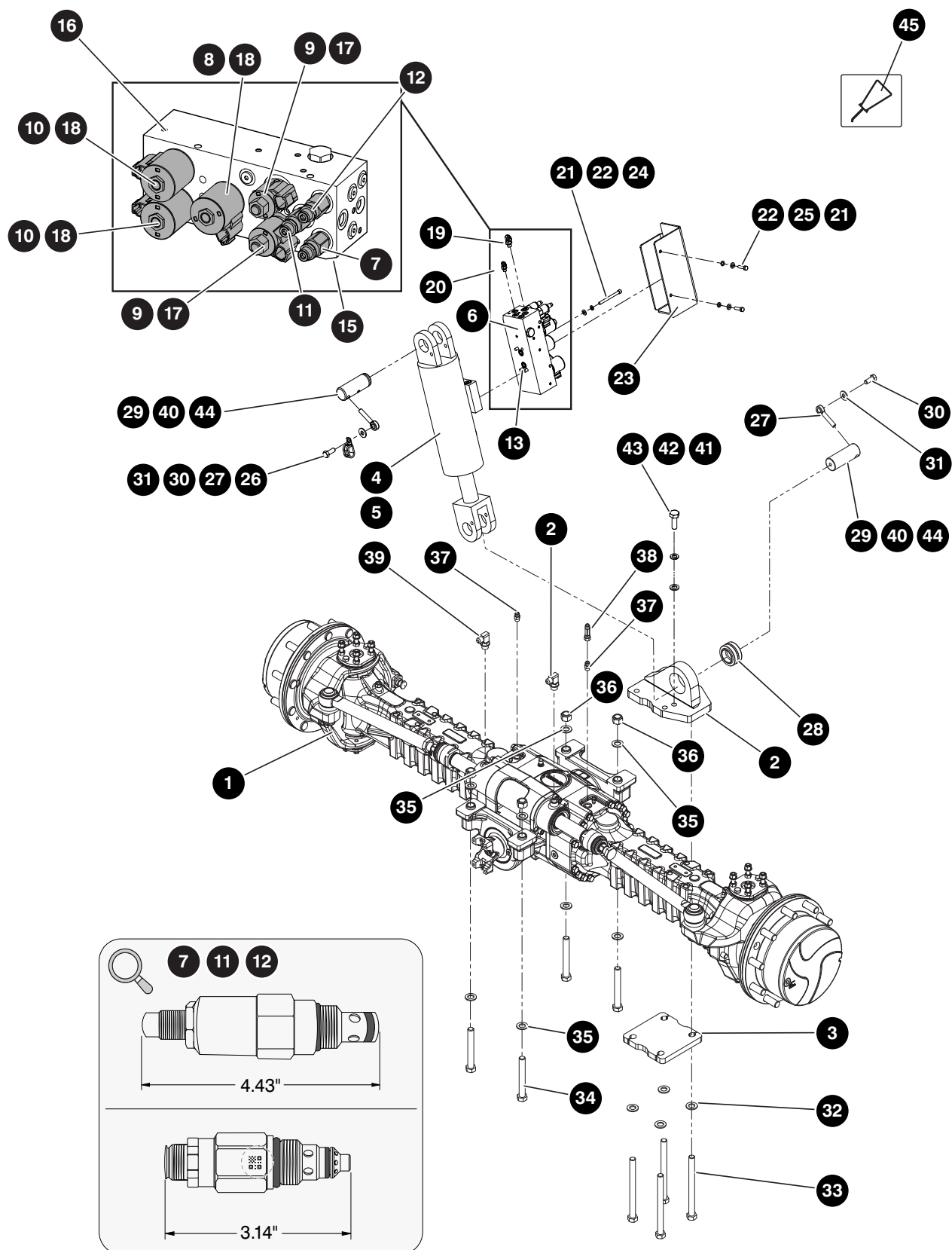
2.6 Front Axle - Trunion



M190025-5

Index No.	Skyjack Part No.	Qty.	Description
-	168304	2	TRUNION ASSEMBLY
1	197178	4	• BUSHING
2	406991	2	• BUSHING, Axle mount
3	168302	2	• SUPPORT
4	168273	2	• FITTING, GREASE
5	141006	2	• PLUG

2.7 Rear Axle Assembly



M191106AF-2

191106

190126AK

48

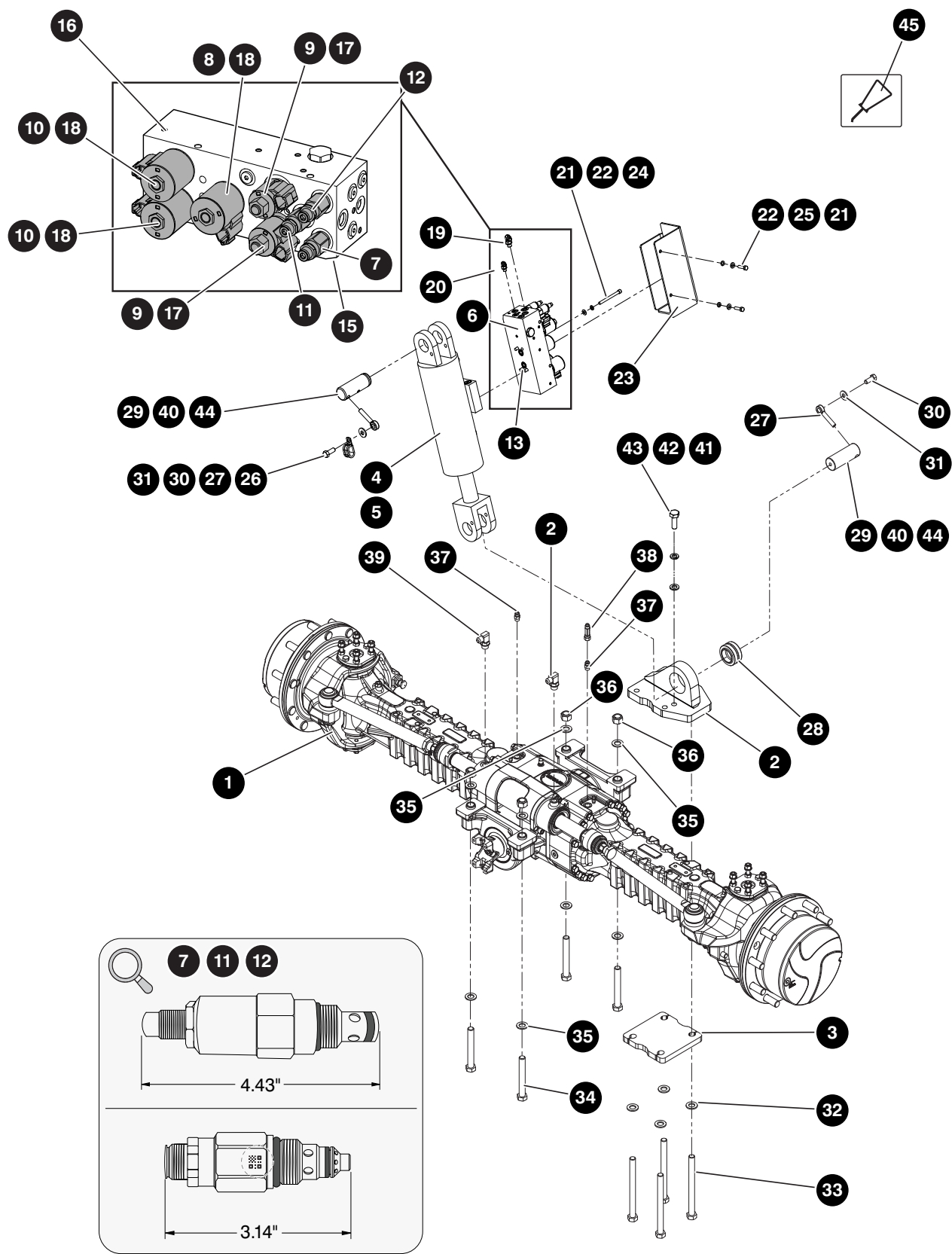
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

2.7 Rear Axle Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	AXLE, REAR SUBGROUP VR 1044/56
1	190026	1	• AXLE, Rear 212HY
2	191078	1	• WELDMENT, RAS mount 1044/1056
3	191090	1	• PLATE, RAS bottom
4	191108	1	• ASSEMBLY, RAS cylinder (Rear Axle Stabilization)
5	(Ref.)	1	• • CYLINDER, RAS 115B (For components, refer to Section 8.7)
6	198734	1	• • MANIFOLD, RAS
7	199469	1	• • • VALVE, Relief (4.43")
	238582	1	• • • VALVE, Relief (3.14")
8	257013	1	• • • VALVE, Solenoid (10-28)
9	257014	2	• • • VALVE, Solenoid (8-28)
10	257015	2	• • • VALVE, Solenoid (10-22)
11	169408	1	• • • VALVE, Relief (4.43")
	238571	1	• • • VALVE, Relief (3.14")
12	199468	1	• • • VALVE, Relief (4.43")
	238580	1	• • • VALVE, Relief (3.14")
13	257018	2	• • • O-RING
14	257019	1	• • • VALVE, Check (5/8")
15	119471	1	• • • VALVE, Check (1/2")
16	171412	2	• • • VALVE, Check
17	159821	2	• • • COIL
18	159822	3	• • • COIL
19	114578	1	• • FITTING, 90° (06 JICM - 06 ORBM)
20	125883	1	• • FITTING, 90° (04 JICM - 04 ORBM)
21	103996	6	• • WASHER, Flat 3/8"
22	103404	6	• • WASHER, Lock 5/16"
23	198564	1	• • COVER, RAS manifold
24	103746	4	• • SCREW, Socket head cap 5/16"-18 x 3-1/2"
25	103887	2	• • BOLT, Hex head 3/8"-16 x 3/4" grade 5
26	152333	1	• CLAMP, Tube (5/8" cus double 17/32" hole)
27	191232	2	• PIN, Anchor
28	920767	1	• BEARING, Spherical
29	191866	2	• PIN, 1-3/4" DIA X 4-3/4" long
30	169942	2	• BOLT, Hex head 1/2"-13 X 1-1/4" grade 8 zinc
			The parts list is continued on the next page.

2.7 Rear Axle Assembly



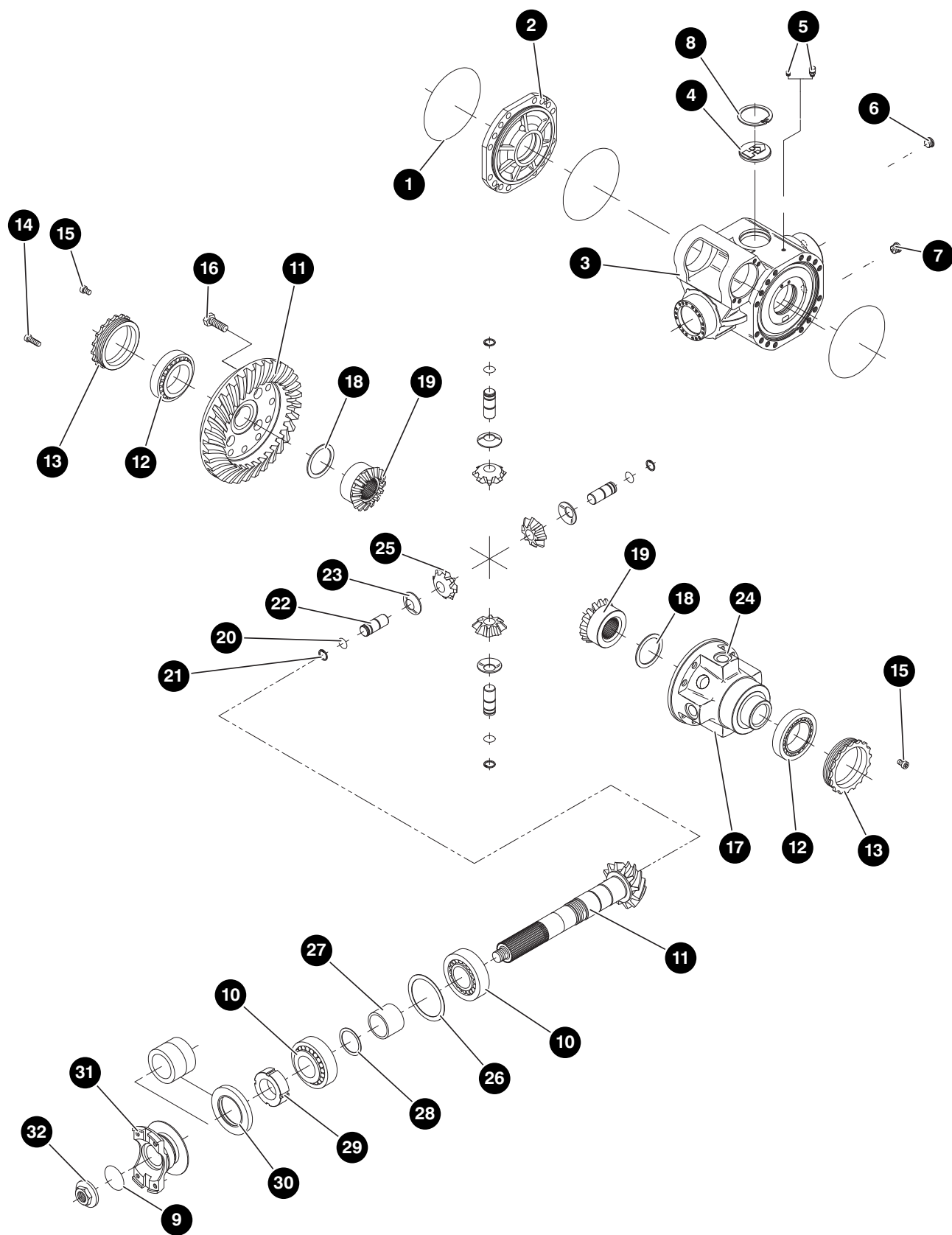
M191106AF-2

191106

2.7 Rear Axle Assembly

Index No.	Skyjack Part No.	Qty.	Description
31	104379	2	• WASHER, Flat 1/2" Hard
32	702194	4	• WASHER, Flat 3/4" hard high\zinc
33	139135	4	• BOLT, Hex head 3/4"-10 X 9" grade 8
34	933675	4	• BOLT, Hex head M20-2.5 X 150 mm grade 10.9 zinc
35	933632	8	• WASHER, 21 mm ID X 40 mm OD X 4.6 mm zinc
36	138737	4	• NUT, Crownlock M20-2.5 grade 10.9 zinc
37	230250	2	• FITTING, Straight (06 JICM) 14 mm
38	702382	1	• FITTING, Swivel nut run tee #6
39	114583	2	• FITTING, 90° (08 JICM - 08 ORBM)
40	102027	2	• FITTING, Grease fitting, 1/8" NPT straight
41	144329	2	• WASHER, Flat hard zinc plated M16
42	600510	2	• WASHER, Lock M16 plated DIN 127B
43	144502	2	• BOLT, Hex head patch M16 x 1.5 x 45 mm CL 8.8 zinc plated
44	132565	2	• CAP, Grease GC5 (Not Shown)
45	(Ref.)	-	Oil, Hydraulic <i>(For components, refer to Section 13.1)</i>

2.8 Rear Axle - Internal Breakdown



M190026-1

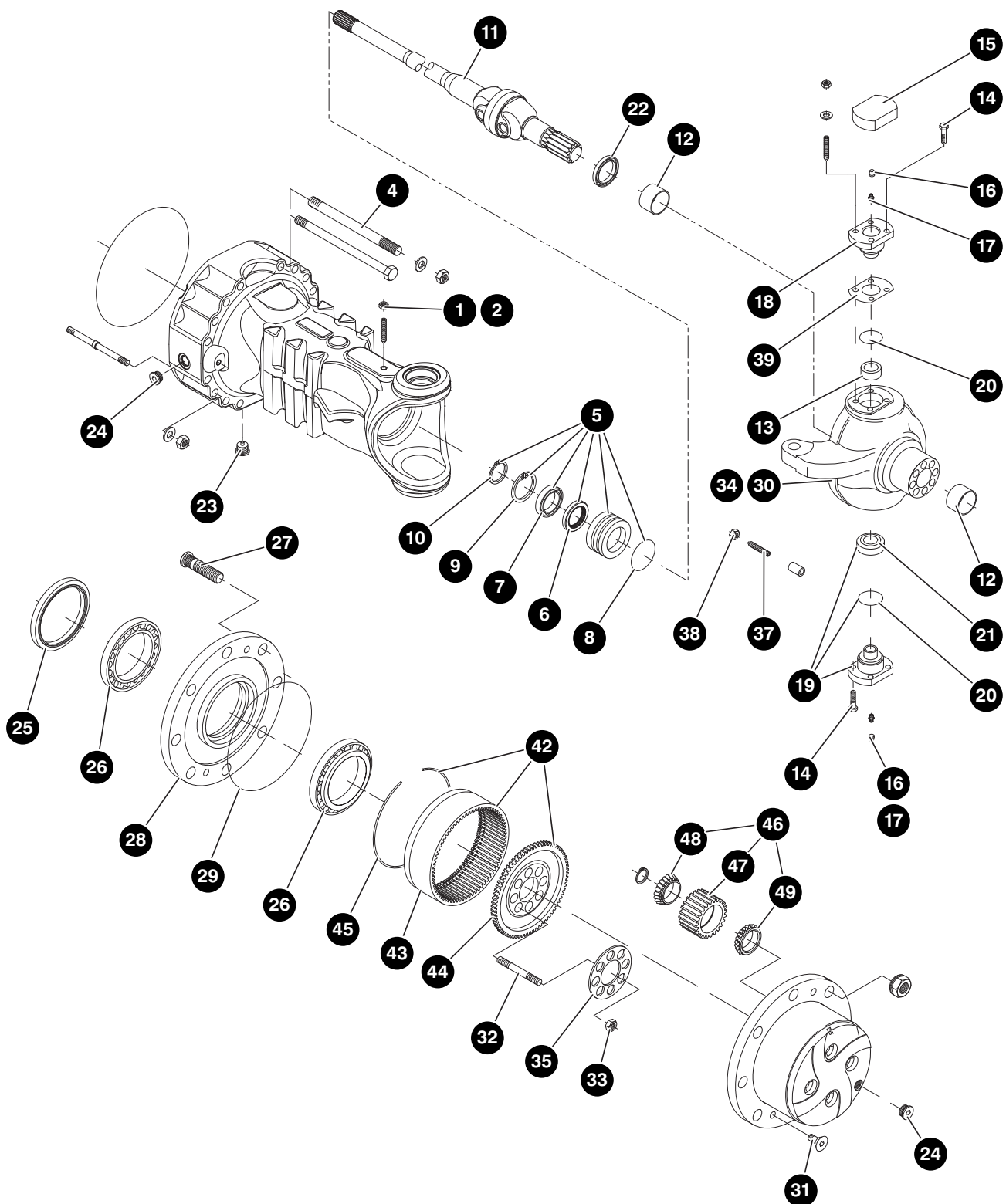
190126AK

SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

2.8 Rear Axle - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	CENTRAL HOUSING ASSEMBLY
1	140970	3	• O-RING
2	196672	1	• COVER
3	196623	1	• HOUSING
4	140967	1	• PLUG
5	170720	1	• VENT, Central housing
6	140969	1	• PLUG
7	140968	1	• PLUG, Magnet
8	140966	1	• CIRCLIP
-	-	1	DIFFERENTIAL
9	403057	1	• O-RING,Input yoke
10	140984	2	• BEARING, Taper roller
11	196680	1	• BEVEL GEAR SET
12	196626	2	• BEARING, Taper roller
13	141068	2	• RING NUT
14	140977	4	• BOLT, Cylinder
15	168259	2	• BOLT, HEX
16	140993	12	• BOLT
17	404197	1	• POSITION KIT, Rear differential
18	404185	2	• • FRICTION WASHER
19	404182	2	• • SIDE GEAR
20	403069	4	• • CIRCLIP
21	403073	4	• • CIRCLIP
22	196632	4	• • PIN
23	404186	4	• • WASHER
24	404178	1	• • REAR DIFFERENTIAL CARRIER
25	404181	4	• • PINION, Differential
26	140983	1	• SHIM
27	404187	1	• SPACER,Pinion shaft
28	140982	1	• SHIM
29	140980	1	• RING NUT
30	196627	1	• SEAL
31	196628	1	• FLANGE
32	196629	1	• NUT

2.9 Rear Axle - Reduction Hub

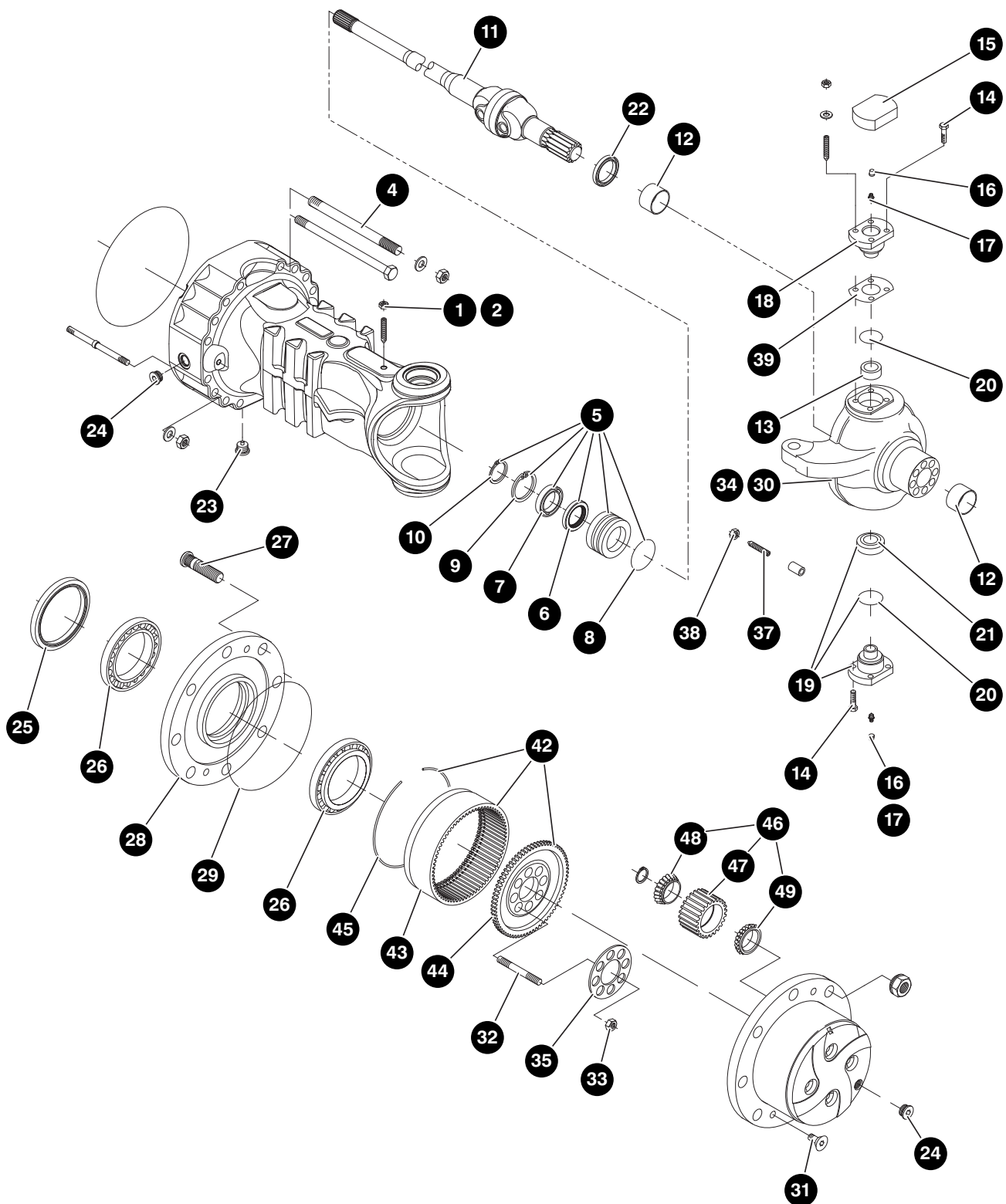


M190026-2

2.9 Rear Axle - Reduction Hub

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	HUB REDUCTION
1	403084	2	• NUT - M12-1.75
2	170797	2	• BOLT
3	196697	2	• AXLE CASE
4	196707	32	• BOLT
5	151761	2	• REDUCTION BUSHING
6	151762	2	• • SEAL
7	141073	2	• • BALL BEARING
8	403050	2	• • O-RING
9	140966	2	• • CIRCLIP
10	151763	2	• CIRCLIP
11	196708	2	• DOUBLE UNIVERSAL JOINT
12	407037	1	• SHAFT BUSHING OUTER
13	170801	2	• BUSHING
14	196637	24	• BOLT
15	406391	2	• PLASTIC COVER - Upper king pin
16	141006	2	• PLUG
17	168273	2	• FITTING, Grease
18	196709	2	• PIVOT PIN
19	170802	2	• PIN, PIVOT
20	196710	2	• DUST EXCLUDER
21	407036	2	• BEARING - Lower king pin
22	196712	2	• SEAL
23	140968	2	• PLUG, Magnet
24	140969	4	• PLUG
25	196713	2	• SEAL
26	196715	4	• BEARING
27	405094	20	• WHEEL STUD
28	196716	2	• WHEEL HUB
29	403046	2	• O-RING
30	196717	1	• STEERING CASE KIT LH
			Parts list continued in following page

2.9 Rear Axle - Reduction Hub

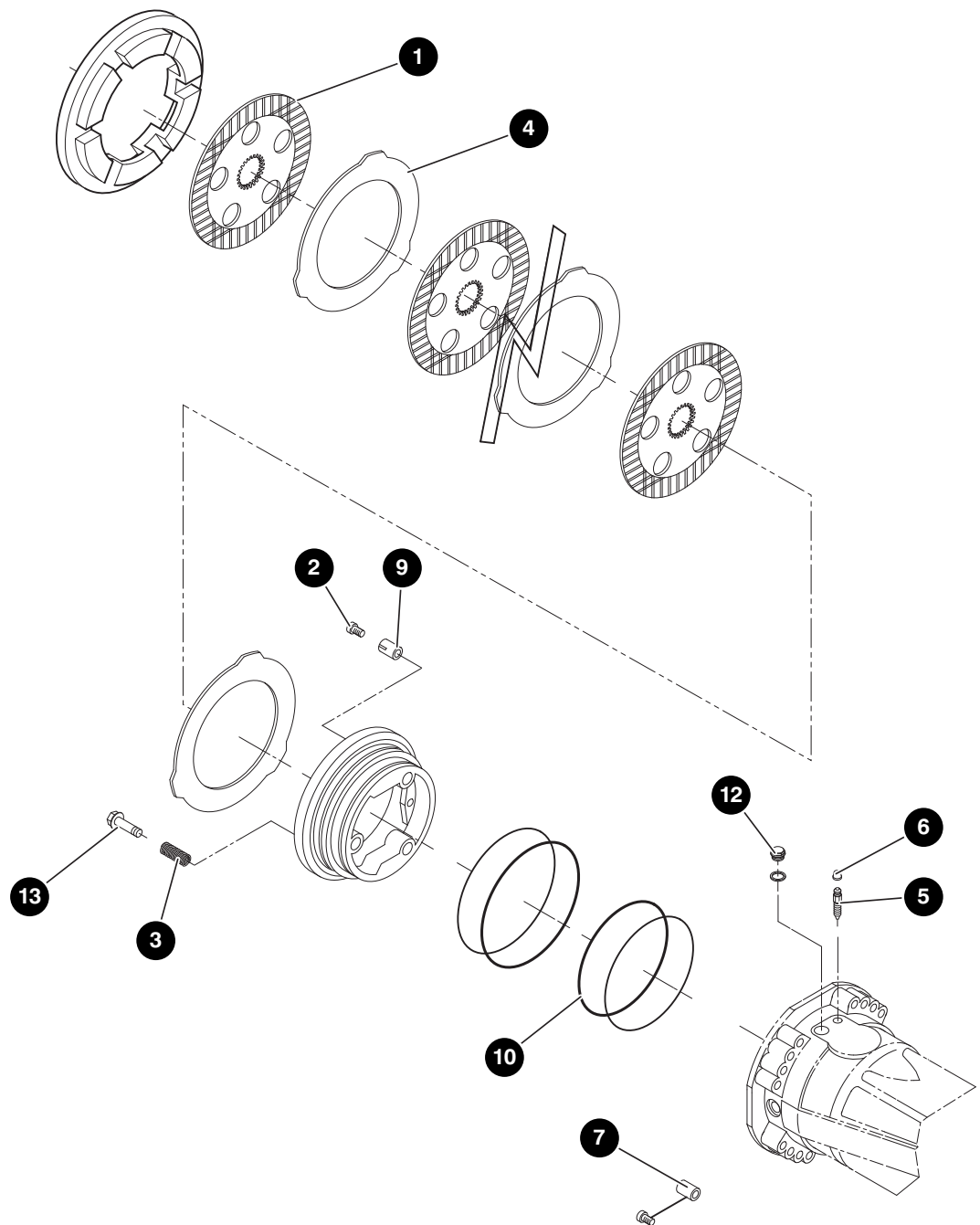


M190026-2

2.9 Rear Axle - Reduction Hub

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Parts list continued from previous page
31	141033	4	• COUNTERSUNK BOLT
32	196638	16	• STUD
33	196639	16	• NUT
34	196721	1	• KIT, Steering case RH
35	196725	2	• PLATE, Locking
36	168284	4	• SUPPORT, Ring gear
37	168275	4	• • BOLT
38	403088	4	• • NUT
39	406396	2	• SHIM, King pin
42	196734	2	• KIT, Ring gear support
43	196748	2	• • RING GEAR
44	196757	2	• • SUPPORT, Ring gear
45	196765	2	• • CIRCLIP
46	196775	2	• KIT, Planet gear carrier
47	196777	6	• • DIFFERENTIAL PINION
48	170830	6	• • BEARING
49	170831	6	• • BEARING

2.10 Rear Axle - Brakes

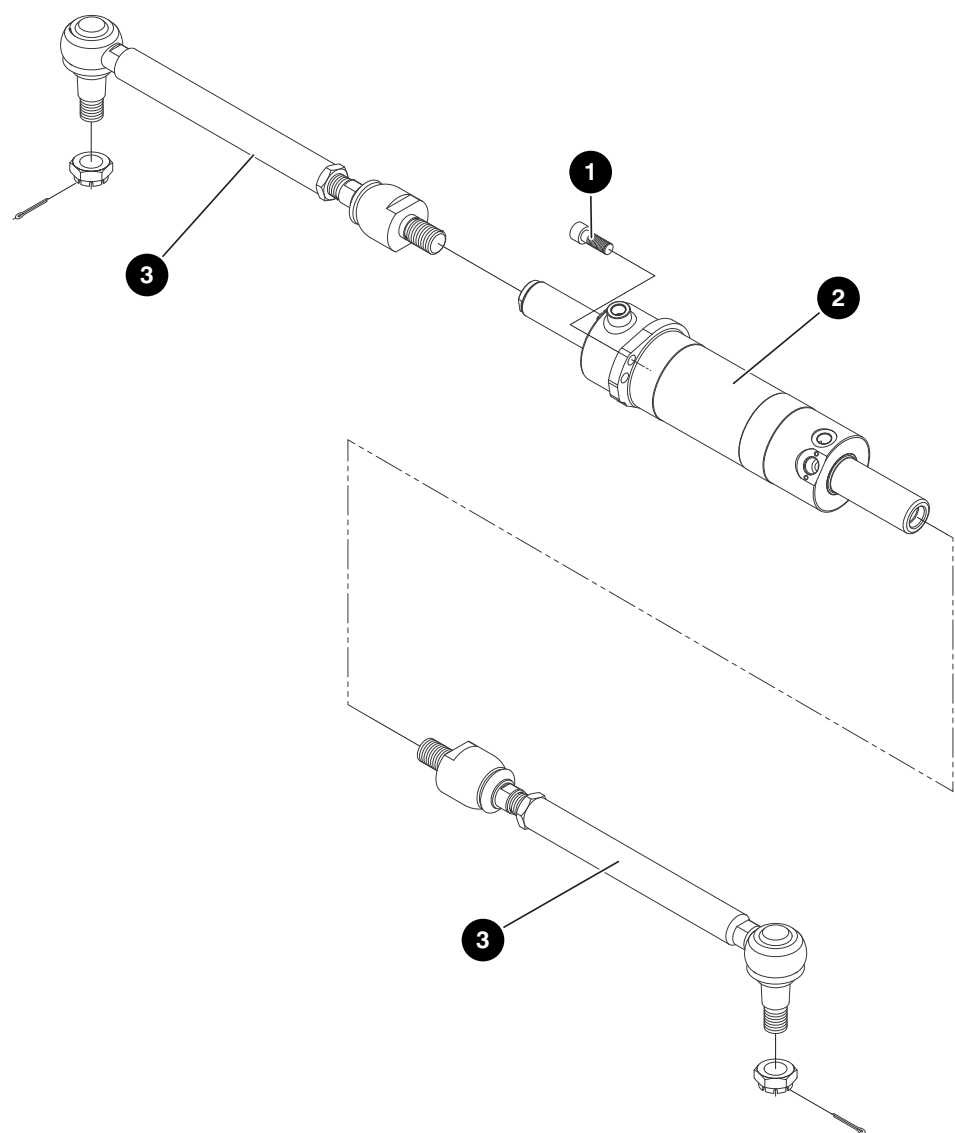


M190026-3

2.10 Rear Axle - Brakes

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	BRAKES
1	170850	8	• DISC
2	196657	1	• ADJUSTING BOLT
3	168290	6	• SPRING
4	404210	10	• INTERMEDIATE BRAKE DISC, Park brake
5	141086	2	• BOLT, Bleeding
6	141006	2	• PLUG
7	196660	2	• BOLT, Pilot
8	196779	2	• KIT, Brakes piston
9	141098	6	• • SPRING
10	196658	2	• • O - RING
11	196659	2	• • O - RING
12	168299	2	• WASHER, Seal
13	170849	6	• BOLT, Adjusting

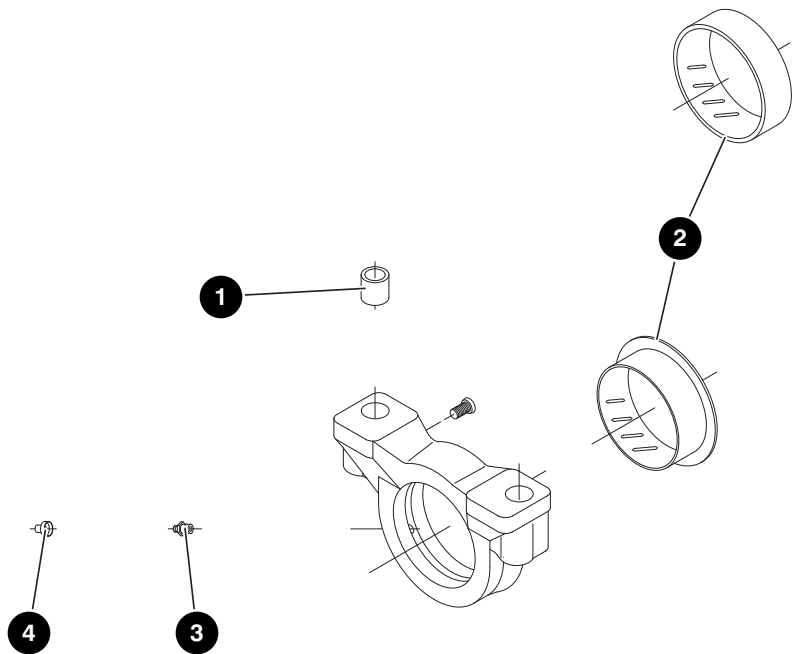
2.11 Rear Axle - Steering



M190026-4

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	STEERING ASSEMBLY
1	195047	4	• BOLT
2	196780	1	• CYLINDER
3	196781	2	• BAR

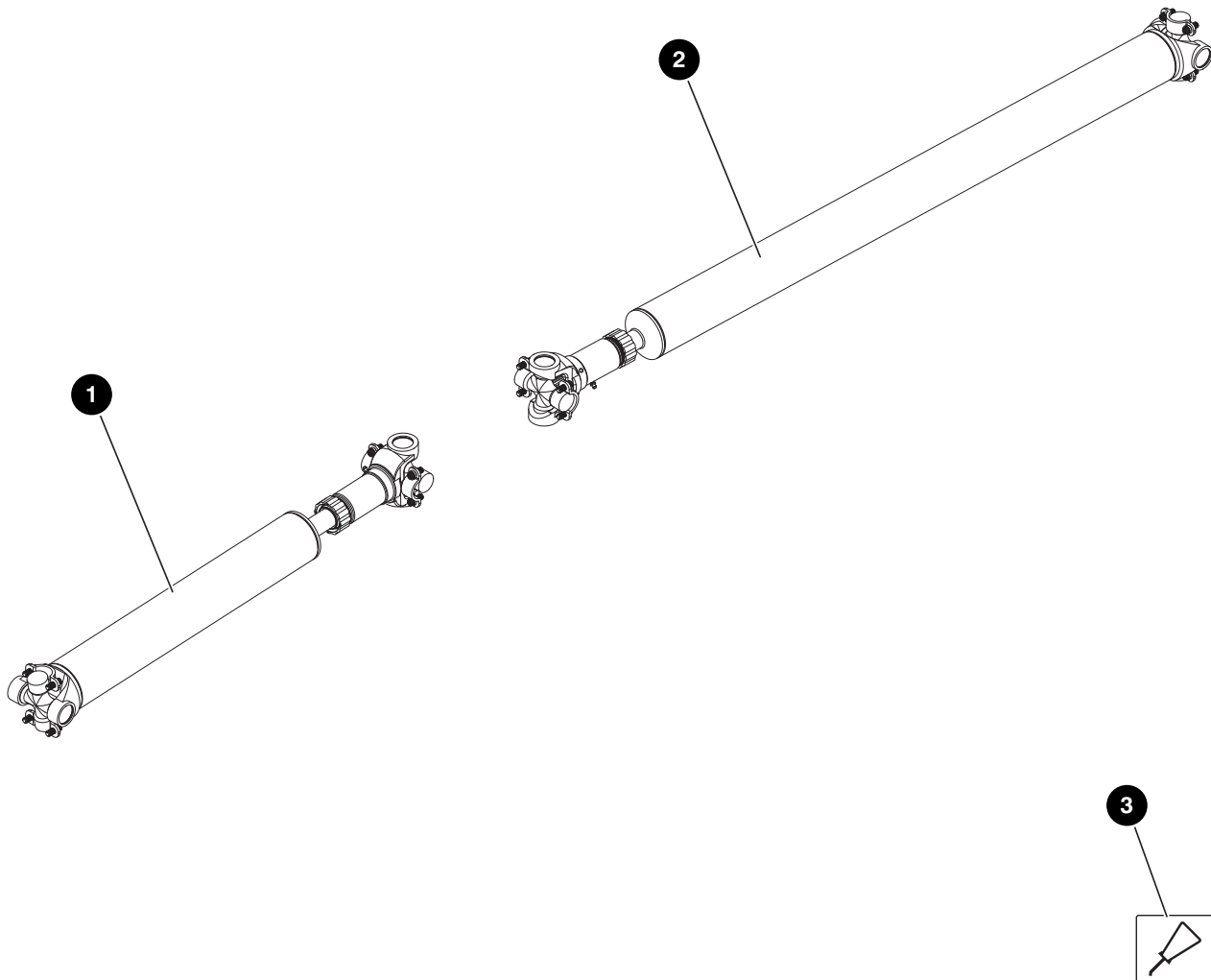
2.12 Rear Axle - Trunion



M190026-5

Index No.	Skyjack Part No.	Qty.	Description
A	196782	1	TRUNNION ASSEMBLY - FRONT
B	196783	1	TRUNNION ASSEMBLY - REAR
1	406998	2	• REDUCTION BUSHING, Axle pivot mount
2	170856	1	• BUSHING, Thrust
3	168273	1	• FITTING, Grease
4	141006	1	• PLUG

2.13 Drive Shaft Assembly

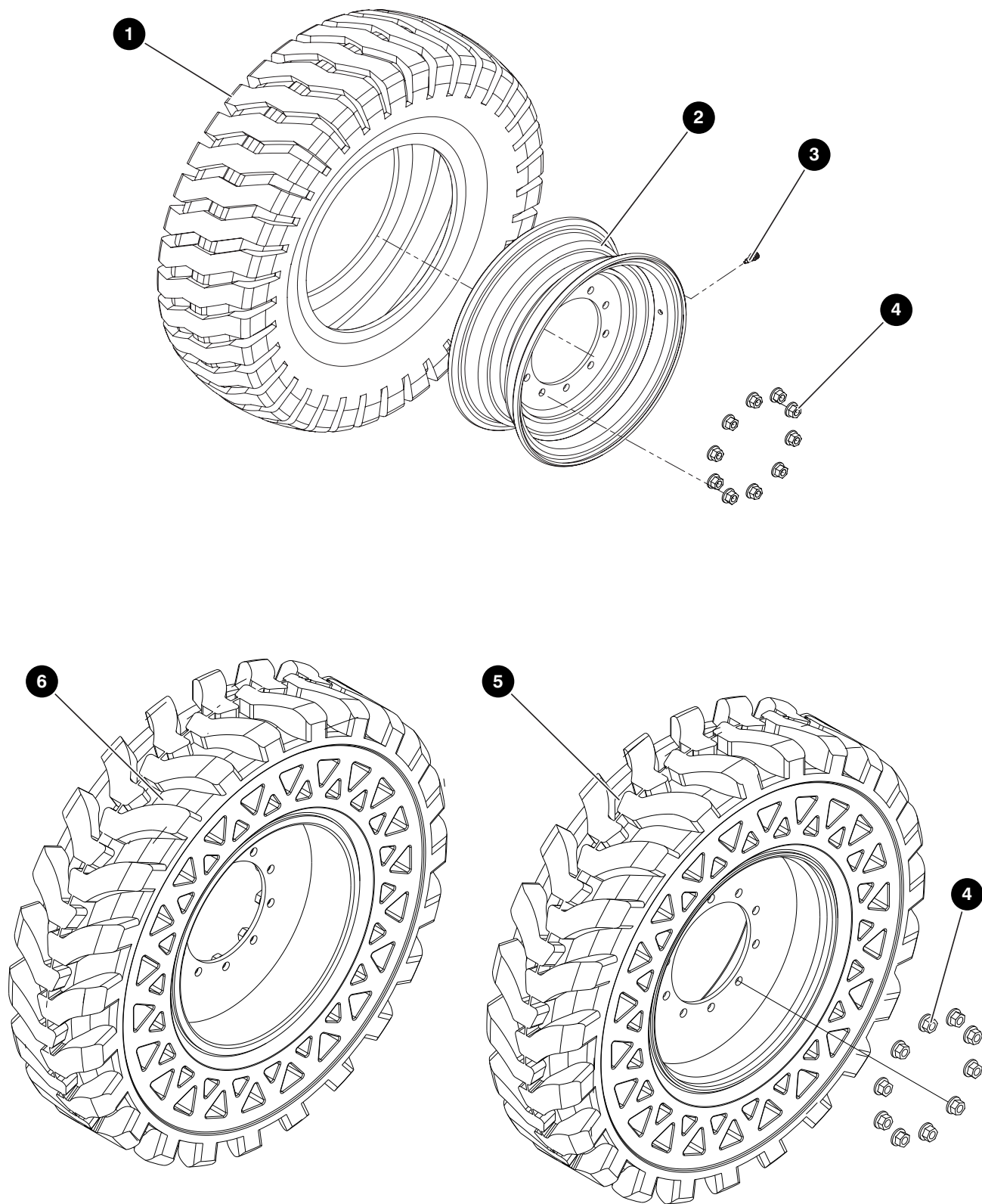


M191101AA

Index No.	Skyjack Part No.	Qty.	Description
-	191101	1	DRIVE SHAFT SUBGROUP, VR 1044/1056
1	190956	1	• DRIVE SHAFT, Front
-	240882	2	• • BEARING, U-JOINT
-	221398	1	• • STRAP KIT (Not shown)
2	190382	1	• DRIVE SHAFT, Rear
-	240882	2	• • BEARING, U-JOINT
-	221398	1	• • STRAP KIT (Not shown)
3	(Ref.)	1	• OIL (For components, refer to Section 13.1)

 **Notes**

2.14 Tire and Wheel Assembly

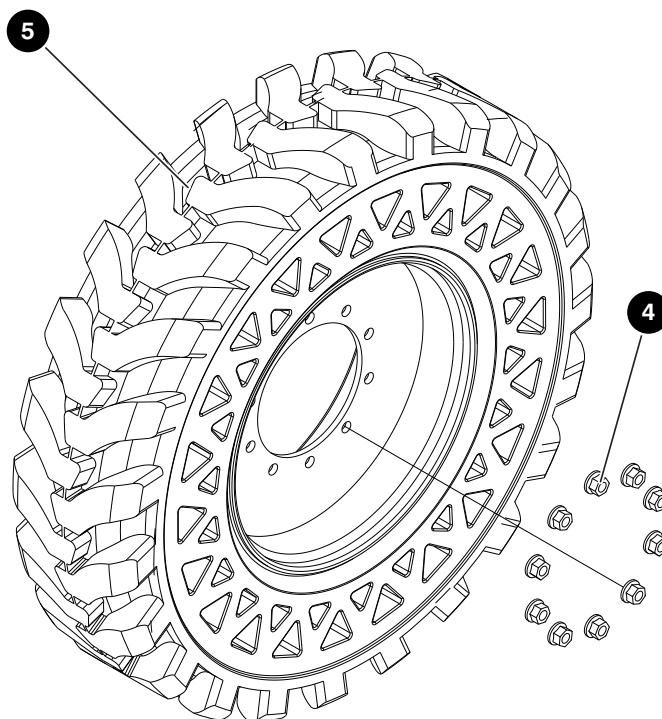
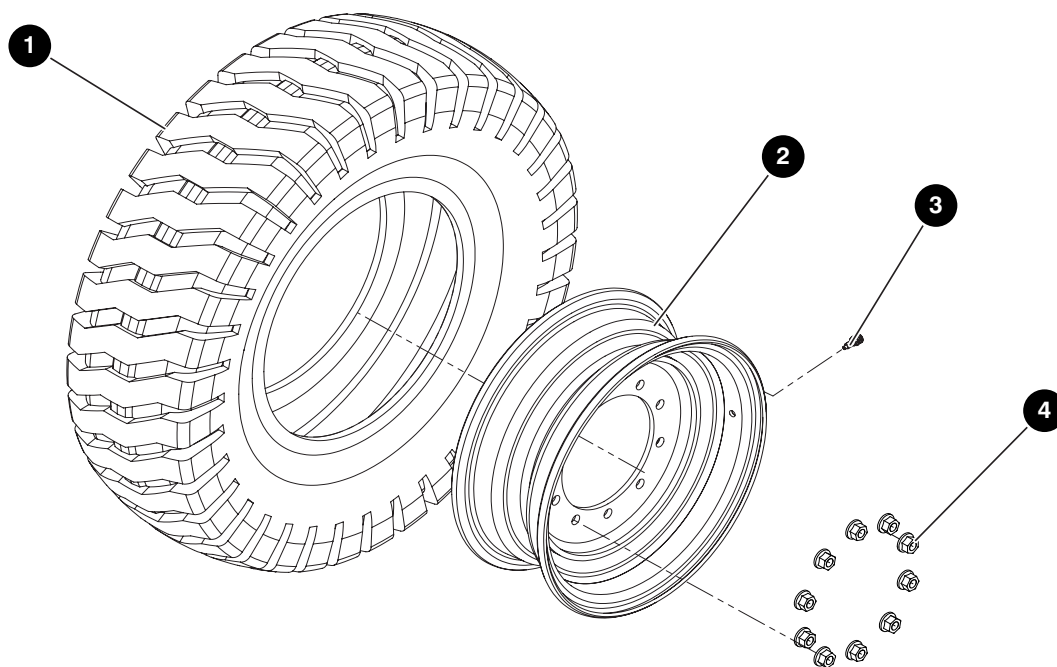


M921882AB_M207889AA

2.14 Tire and Wheel Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	207603	1	AIR ROUGH TERRAIN, GALAXY GIRAFFE 14-24, 16PR
	207589	1	• TIRE, WHEEL ASSY LH GALAXY GIRAFFE XLW 14-24
	207587	1	• TIRE, WHEEL ASSY RH GALAXY GIRAFFE XLW 14-24
B	267854	1	TIRE/WHEEL ASSY, Foam fill, 14-24, 16PR
	257905	2	• TIRE WHEEL ASSEMBLY - RH foam fill, 14-24, 16PR
	257611	1	• • TIRE WHEEL ASSEMBLY - RH, 14-24, 16PR
	257906	2	• TIRE WHEEL ASSEMBLY - LH foam fill, 14-24, 16PR
	257612	1	• • TIRE WHEEL ASSEMBLY - LH, 14-24, 16PR
C	922174	1	TIRE, PRIMEX 14.00 X 24 24 PR E3 DNRZ II (AIR FILLED)
	923462	4	• ASSEMBLY, Tire/wheel 14-24 primex DNR
D	167344	1	TIRE, PRIMEX 14.00 X 24 24 PR E3 DNRZ II (FOAM FILLED)
	167337	1	• ASSEMBLY, Foam tire/wheel PRIMEX DNRZ
	923462	4	• • ASSEMBLY, Tire/wheel 14-24 primex DNR
E	207889	1	TIRE, SOLIDAR 13.00-24
F	207918	1	TIRE, SOLIDBOSS 13.00-24
	207984	2	• TIRE, RH Solidboss 13.00-24
	207915	2	• TIRE, LH Solidboss 13.00-24
1	923464	4	TIRE, 14 x 24 24PR primex DNRZ II - C,D
	207566	1	TIRE, GALAXY GIRAFFE XLW 14.00-24, 16PR - A
	257610	1	TIRE, 14-24, 16PR - B
2	923443	4	RIM, 24 x 10 - C,D
	207546	1	RIM, 24.0 X 9.0, SJ10XXTH - A
	257609	1	RIM, 24.0X9.0 - B
	208754	2	RIM, Solidboss 13.00-24 F
3	932593	1	VALVE, Air - A
	932732	4	VALVE, Air - C
4	927901	40	NUT, Wheel M22 x 1.5
5	207888	2	TIRE, RH Solidar 13.00-24 E
	208753	2	TIRE, Solidboss 13.00-24 F
6	207985	2	TIRE, LH Solidar 13.00-24 E
7	402156	4	LABEL, Tire pressure 80 PSI - A (not shown)
	163787	4	LABEL, Tire pressure 90 PSI / 6.8 bar - C (not shown)
8	267852	1	FILL, Foam RELY T32 - B (not shown)
	162400	1	FILL, Foam OEM 40/60 crumb - D (not shown)

2.15 Tire and Wheel Assembly - Non Marking



M921882AB_M207889AA

2.15 Tire and Wheel Assembly - Non Marking

Index No.	Skyjack Part No.	Qty.	Description
A	211572	1	TIRE GROUP, NON MARKING FOAM FILL 14-24
	211574	2	• TIRE, WHEEL NON-MARKING RH 14-24
	211576	1	• • TIRE, WHEEL NON-MARKING RH 14-24
	211573	2	• TIRE, WHEEL NON-MARKING LH 14-24
	211575	1	• • TIRE, WHEEL NON-MARKING RH 14-24
B	212061	1	TIRE GROUP, SOLID NON MARKING 13-24
	212063	2	• TIRE, WHEEL SOLID NON-MARKING RH 13-24
	212062	2	• TIRE, WHEEL SOLID NON-MARKING LH 13-24
1	211577	1	TIRE, NON-MARKING 14 x 24 16PR SL G2 - A
2	207546	1	RIM, 24.0 X 9.0, SJ10XXTH - A
3	212064	1	TIRE, Solid Non-marking 13 x 24 - B
4	208754	1	RIM, SOLIDBOSS 13 x 24 - B
5	932593	4	VALVE, Air - A
6	927901	40	NUT, Wheel M22 x 1.5 - A, B

 **Notes**

Section 3 – Engine and Transmission

3.1 *Engine Tray Installation*

3.2 *74 HP Engine and Powershift Transmission Assembly*

3.3 *74 HP EMR5 Engine and Powershift Transmission Assembly*

3.4 *107 HP Engine and Powershift Transmission Assembly*

3.5 *107 HP EMR5 Engine and Powershift Transmission Assembly*

3.6 *Engine 3.6L 107 HP - Downgrade*

3.7 *Engine Assembly*

3.8 *Powershift Transmission Assembly - Housing & Case Group*

3.9 *Transmission Assembly - Gear Group*

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

3.11 *Transmission Assembly - Forward & Reverse Group*

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

3.13 *Transmission Assembly - Output Shaft & Control Group*

3.14 *Transmission Assembly - Drop Box*

3.15 *Fuel Lines Assembly*

3.16 *Air Intake System Installation*

3.17 *Exhaust Tube Installation*

3.18 *Exhaust System, 3.6L 107HP - Downgrade*

3.19 *Exhaust System Assembly 107HP*

3.20 *DEF Lines*

3.21 *Cooling Package Style A for 74 HP Engine*

3.22 *Cooling Package Style A for 107 HP Engine*

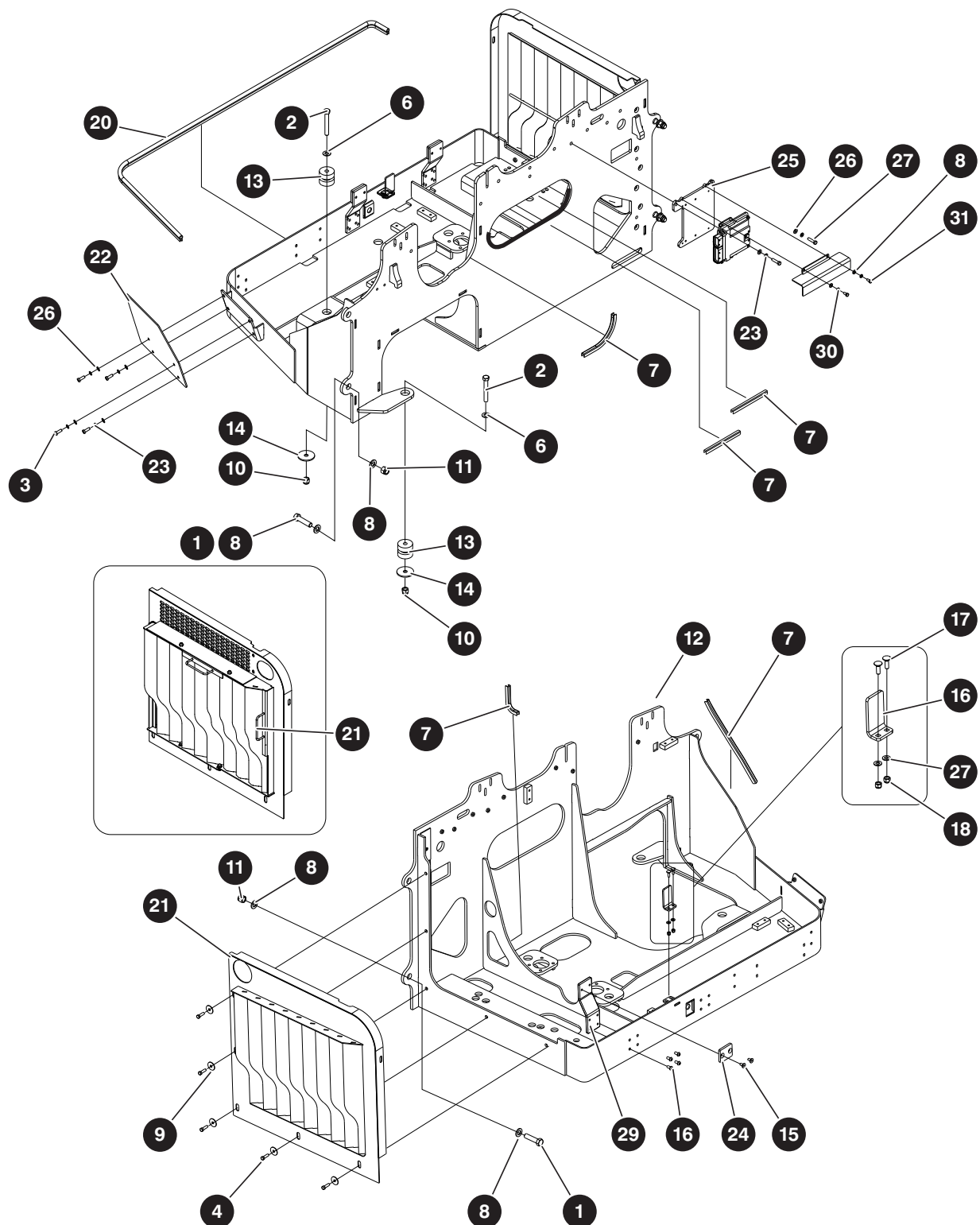
3.23 *Cooling Package Style A - Internal Breakdown 3.6L*

3.24 *Cooling Package Style B*

3.25 *Cooling Package Style B - Internal Breakdown*

3.26 *Powershift Transmission Hydraulic Pump*

3.1 Engine Tray Installation

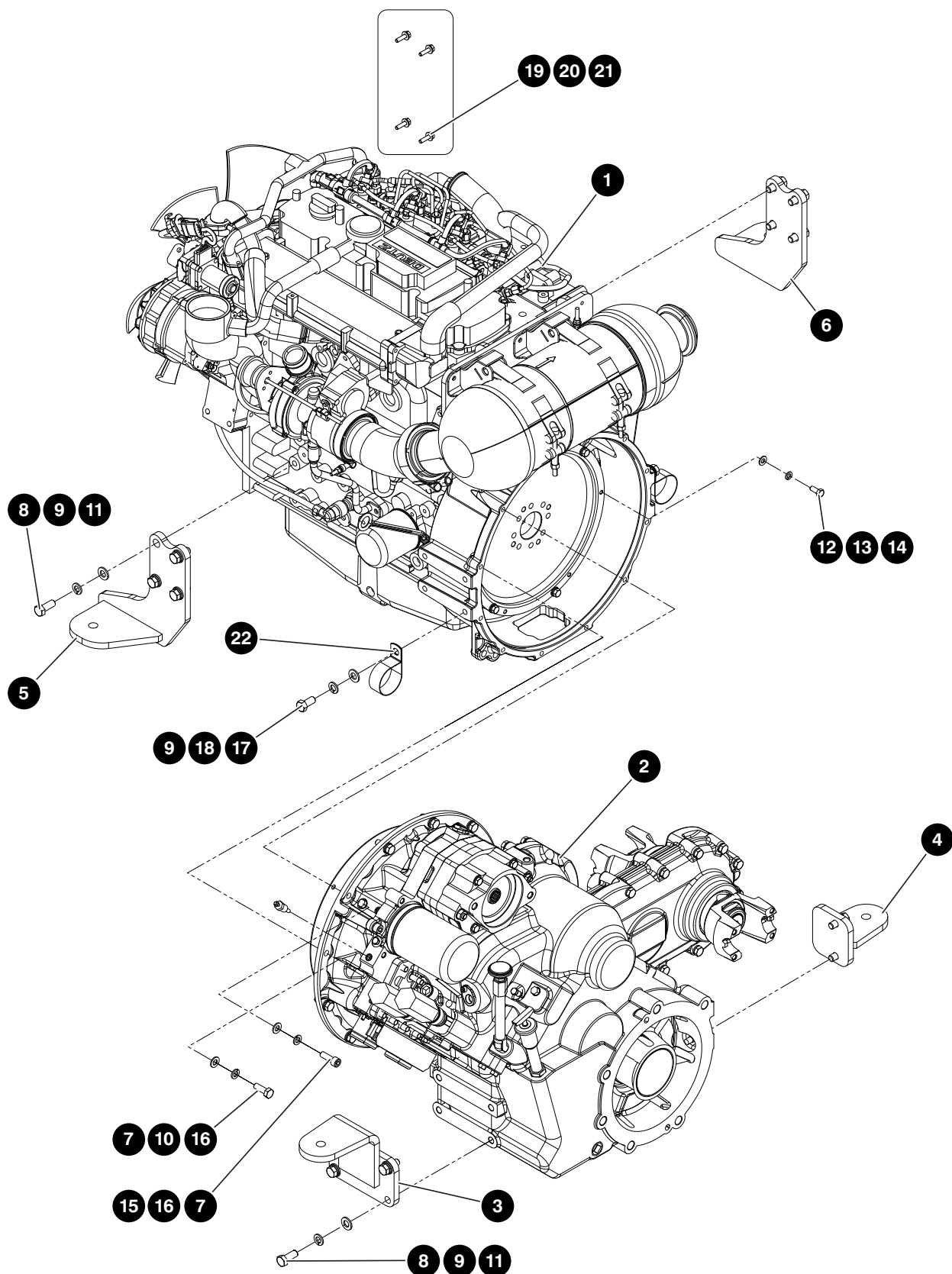


M190704AK

3.1 Engine Tray Installation

Index No.	Skyjack Part No.	Qty.	Description
A	190704	-	ENGINE TRAY ASSEMBLY
B	223508	-	ENGINE TRAY ASSEMBLY (Only for Cooling Package 223214 / 223215)
1	103894	4	• BOLT, Hex head 3/4"-10 X 3" Gr. 8
2	701762	4	• BOLT, Hex head 5/8"-11 X 4-1/2" Gr. 8 - A, B
3	103473	4	• BOLT, Hex head 3/8"-16 X 1" Gr. 5
4	101297	5	• BOLT, Hex head 3/8"-16 X 1-1/4" Gr. 5
5	702194	8	• WASHER, Flat 3/4" hard high zinc
6	700782	4	• WASHER, Flat 5/8" hard high zinc
7	119922	87"	• TRIM, Protective 1/4 - 1/2"
8	103996	4	• WASHER, Flat 5/16" SAE
9	127067	5	• WASHER, Flat 3/8" style BB
10	111577	4	• NUT, Lock with nylon insert 5/8"-11 Gr. 5
11	700575	4	• NUT, Lock 3/4"-10 Gr. 8
12	190745	1	• WELDMENT, TH Engine tray
13	190749	4	• ISOLATOR, Engine
14	190889	4	• WASHER, Rebound
15	701620	4	• BOLT, Flat head cap 3/8"-16 X 3/4" Gr. 5
16	170182	8	• BOLT, Button head cap 3/8"-16 X 3/4"
17	190484	1	• BRACKET, Latch
18	133216	2	• BOLT, CARRIAGE 5/16"-18 X 1" Gr. 5
19	103984	2	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
20	190483	86"	• SEAL, 1/4" edge X 5/8" bulb
21	191190	1	• WELDMENT, Inlet grill - A
-	223517	1	• WELDMENT, Inlet grill - B
22	191405	1	• PLATE, Cowling fender
23	103999	6	• WASHER, Lock 3/8"
24	190936	2	• PAD, Cowling hard stop
25	191383	1	• PLATE, ECU mounting - S/N 87312008 and below
26	103472	6	• WASHER, Flat 3/8" - S/N 87312008 and below
27	103870	2	• BOLT, Hex head 3/8"-16 X 1-1/2" Gr. 5 - S/N 87312008 and below
28	191351	1	• COVER, ECU - S/N 87312008 and below
29	190935	2	• BRACKET, Cowling hard stop
30	103404	2	• WASHER, Lock 5/16" - S/N 87312008 and below
31	148331	2	• BOLT, Hex head 5/16"-18 X 5/8" Gr. 5 - S/N 87312008 and below

3.2 74 HP Engine and Powershift Transmission Assembly

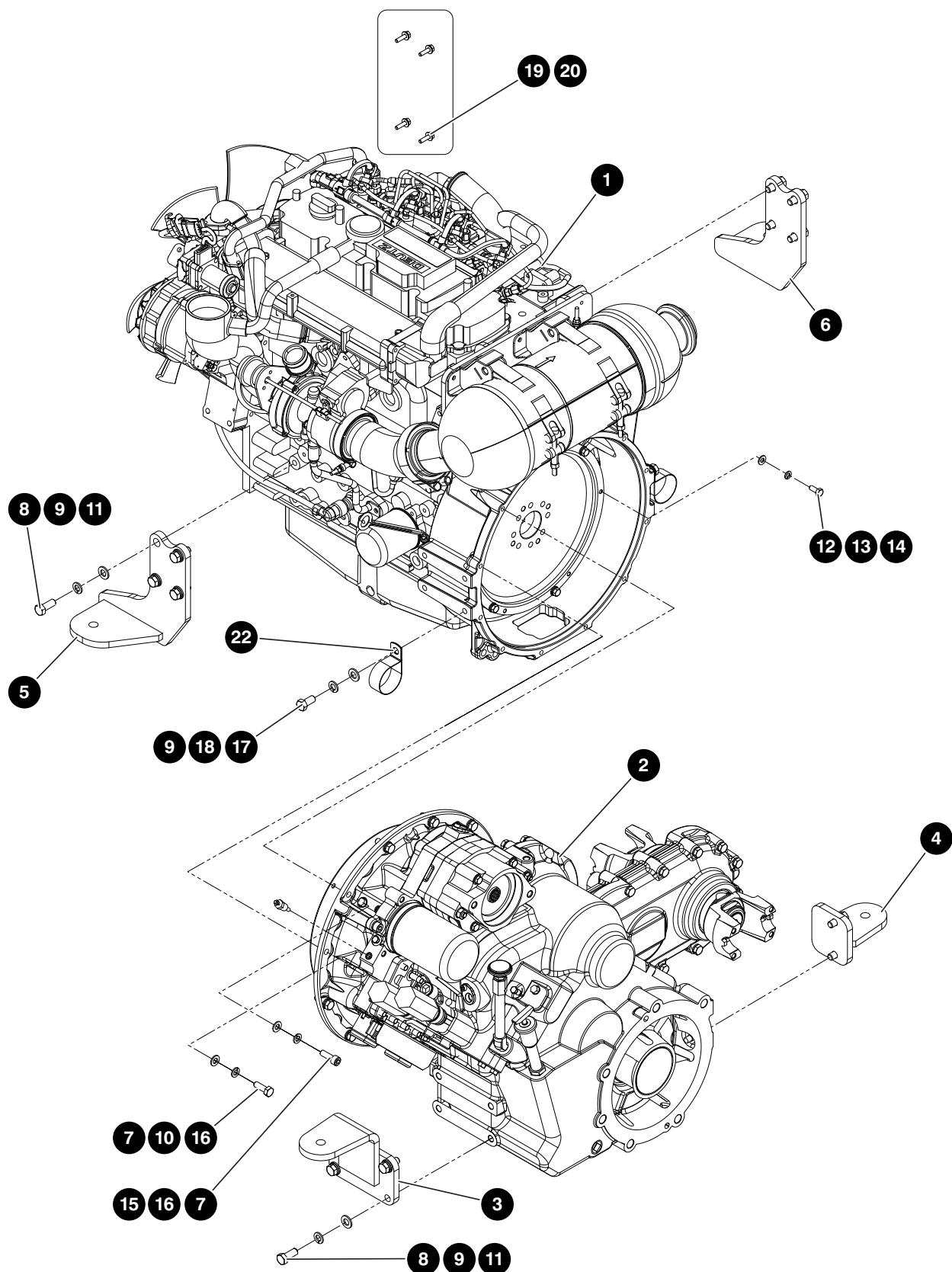


M190701AA

3.2 74 HP Engine and Powershift Transmission Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	190701	1	ASSEMBLY, ENGINE/TRANSMISSION SUBGROUP DEUTZ 3.6L 74HP SJ1044 TH : For serial numbers 87 210 197 and below. SJ1056 TH : For serial numbers 87 312 750 and below.
1	(Ref).	1	ENGINE, Deutz TCD 3.6 T4F 74HP <i>(For components, refer to Section 3.7)</i>
2	(Ref).	1	ASSEMBLY, Transmission VDT12000 6K/8K <i>(For components, refer to Section 3.8)</i>
3	190709	1	MOUNT, Transmission - outer
4	190712	1	MOUNT, Transmission - inner
5	190715	1	MOUNT, 3.6L engine - outer
6	190718	1	MOUNT, 3.6L engine - inner
7	600572	10	WASHER, Flat M10-OD 20.0
8	933630	14	WASHER, Plain hardened
9	116995	16	WASHER Lock m12-plated din 127b
10	933658	9	BOLT, Hex head M10 x 1.5 x 30mm CL 8.8 YE
11	933659	14	BOLT, Hex head M12-1.75 x 30mm CL 10.9
12	158320	6	BOLT, Hex head 5/16"-18 x 3/4" grade 8
13	103404	6	WASHER, Lock 5/16"
14	103996	6	WASHER, Flat 5/16"
15	232529	1	BOLT, Socket head M10-1.5 x 30
16	130884	10	WASHER Lock M10-plated DIN 127B
17	152324	2	BOLT, Hex head M12 x 1.75 x 25mm grade 8.8 ZP
18	933817	2	WASHER, Flat M12 CL 200 Y
19	103995	4	WASHER, Flat 1/4"
20	104000	4	WASHER, Lock 1/4"
21	103891	4	BOLT, Hex head 1/4"-20 x 7/8" grade 5
22	171177	2	CLAMP - Loop vinyl coated - 2"

3.3 74 HP EMR5 Engine and Powershift Transmission Assembly

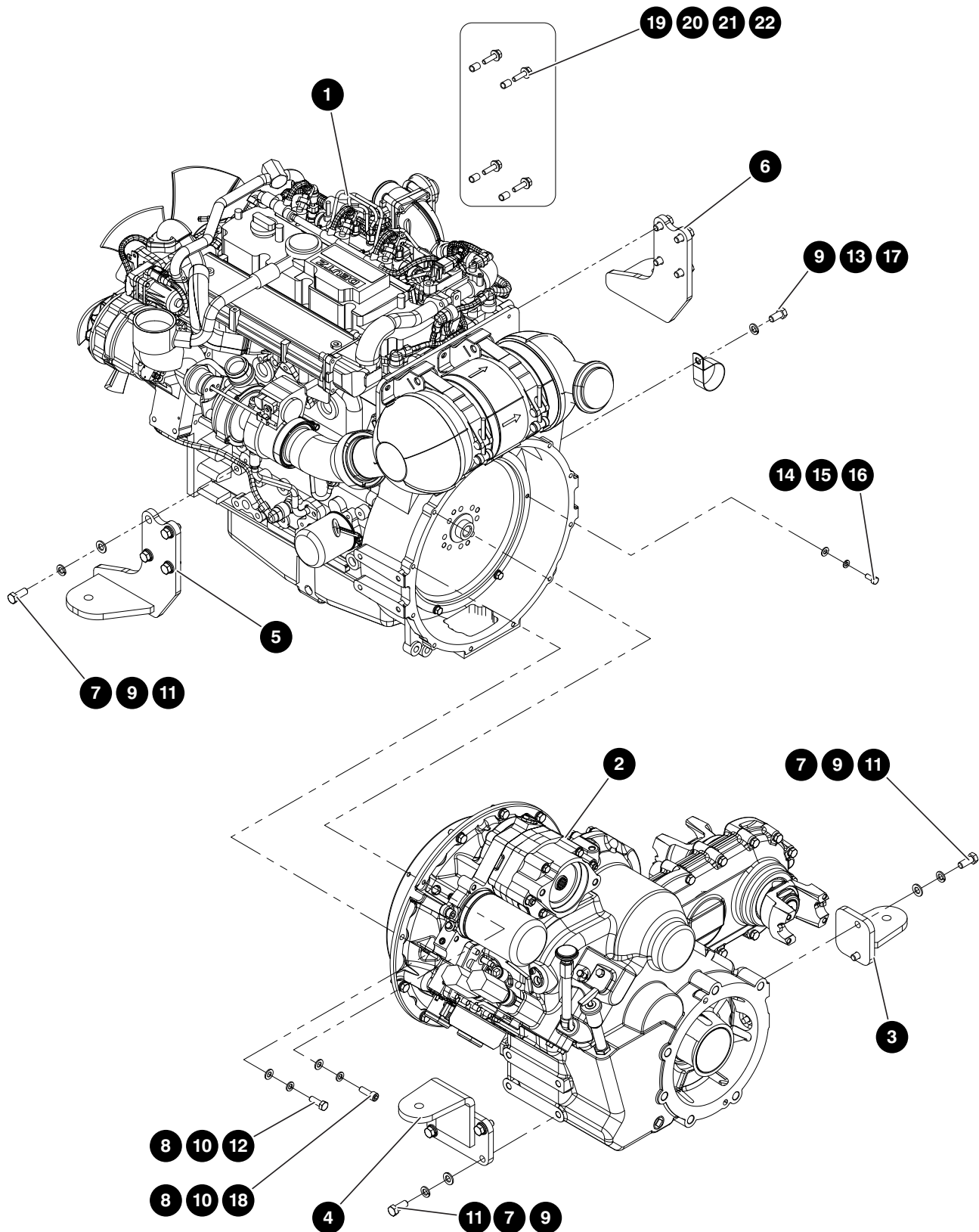


M190701AA

3.3 74 HP EMR5 Engine and Powershift Transmission Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	250132	1	ASSEMBLY, ENGINE/TRANSMISSION SUBGROUP DEUTZ 3.6L 74HP SJ1044 TH : For serial numbers 87 210 198 and above. SJ1056 TH : For serial numbers 87 312 751 and above.
1	250034	1	• ENGINE, Deutz TCD 3.6 T4F 74HP EMR5
2	(Ref).	1	• ASSEMBLY, Transmission VDT12000 6K/8K <i>(For components, refer to Section 3.8)</i>
3	190709	1	• MOUNT, Transmission - outer
4	190712	1	• MOUNT, Transmission - inner
5	190715	1	• MOUNT, 3.6L engine - outer
6	190718	1	• MOUNT, 3.6L engine - inner
7	933833	10	• WASHER, Flat M10-OD 20.0
8	933630	14	• WASHER, Plain hardened
9	600549	16	• WASHER Lock m12-plated din 127b
10	933658	9	• BOLT, Hex head M10 x 1.5 x 30mm CL 8.8 YE
11	933659	14	• BOLT, Hex head M12-1.75 x 30mm CL 10.9
12	158320	6	• BOLT, Hex head 5/16"-18 x 3/4" grade 8
13	103404	6	• WASHER, Lock 5/16"
14	103996	6	• WASHER, Flat 5/16"
15	232529	1	• BOLT, Socket head M10-1.5 x 30
16	130884	10	• WASHER Lock M10-plated DIN 127B
17	152324	2	• BOLT, Hex head M12 x 1.75 x 25mm grade 8.8 ZP
18	933817	2	• WASHER, Flat M12 CL 200 Y
19	103995	4	• WASHER, Flat 1/4"
20	103891	4	• BOLT, Hex head 1/4"-20 x 7/8" grade 5
21	171177	2	• CLAMP - Loop vinyl coated - 2" (not shown)

3.4 107 HP Engine and Powershift Transmission Assembly

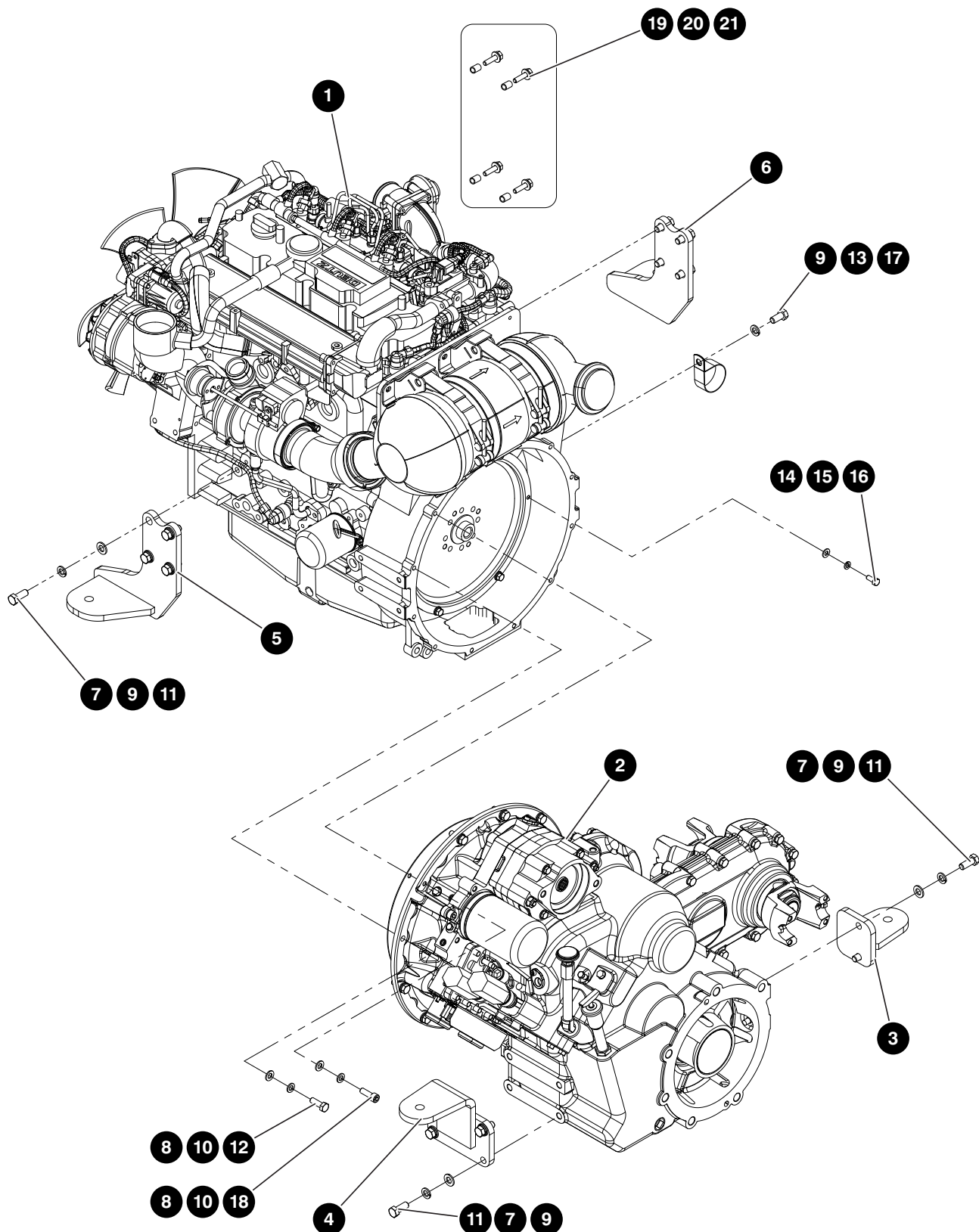


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3.4 107 HP Engine and Powershift Transmission Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	191182	1	ASSEMBLY, ENGINE/TRANSMISSION SUBGROUP, DEUTZ 3.6 107 HP SJ1044 THS : For serial numbers 87 210 197 and below. SJ1056 THS : For serial numbers 87 312 751 and below.
1	(Ref).	1	• ASSEMBLY, Engine Deutz TCD 3.6 T4F 107 HP (For components, refer to Section 3.7)
2	(Ref).	1	• ASSEMBLY, Transmission VDT 12000 10 K (For components, refer to Section 3.8)
3	190712	1	• MOUNT, Transmission - inner
4	190709	1	• MOUNT, Transmission - outer
5	190715	1	• MOUNT, 3.6 L engine - outer
6	190718	1	• MOUNT, 3.6 L engine - inner
7	933630	14	• WASHER, Flat M12 Hard
8	600572	10	• WASHER, Flat M10 OD 20.0
9	116995	16	• WASHER, Lock M12 plated DIN 127B
10	130884	10	• WASHER, Lock M10-plated DIN 127B
11	933659	14	• BOLT, Hex head M12 x 1.75 x 30 mm CL 10.9
12	933658	9	• BOLT, Hex head M10 x 1.5 x 30 mm grade 10.9 YE
13	152324	2	• BOLT, Hex head M12 x 1.75 x 25 mm grade 8.8 ZP
14	103404	6	• WASHER, Lock 5/16"
15	103996	6	• WASHER, Flat 5/16"
16	158320	6	• BOLT, Hex head 5/16"-18 x 3/4" grade 8
17	171177	2	• CLAMP - Loop vinyl coated - 2"
18	232529	1	• BOLT, Socket head M10-1.5 x 30
19	133598	4	• SPACER, Rolled, 3/8" x 1-1/2"
20	103995	4	• WASHER, Flat 1/4"
21	104000	4	• WASHER, Lock 1/4"
22	103861	4	• BOLT, Hex head 1/4"-20 x 2-1/2" Gr. 5
23	108675	7	• WIRE PROTECTOR, 1/2" DIA (Not Shown)

3.5 107 HP EMR5 Engine and Powershift Transmission Assembly



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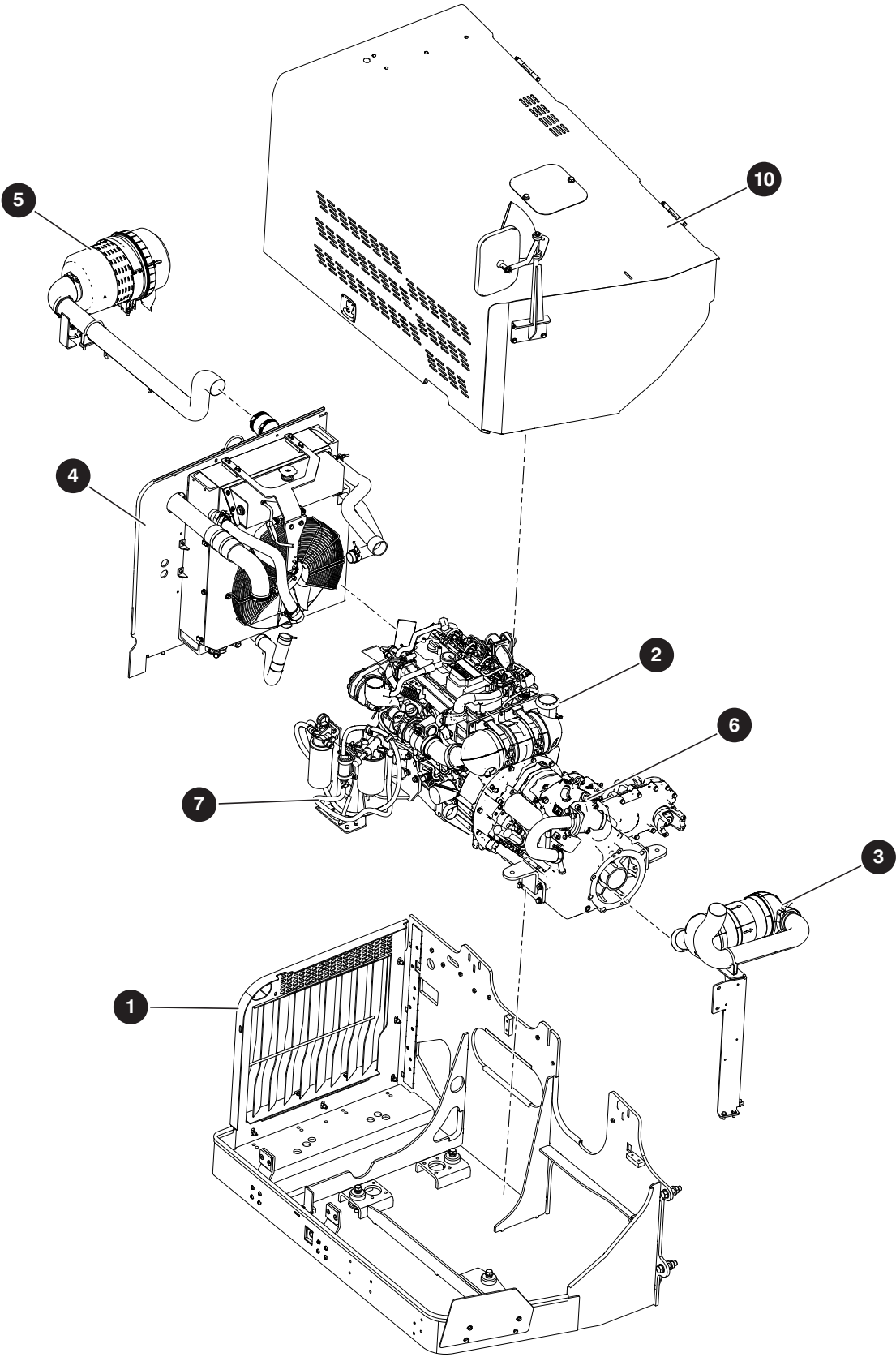
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SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

3.5 107 HP EMR5 Engine and Powershift Transmission Assembly

Index No.	Skyjack Part No.	Qty.	Description
A	249349	1	ASSEMBLY, ENGINE/TRANSMISSION SUBGROUP, DEUTZ 3.6 107 HP EMR5 SJ1044 THS : For serial numbers 87 210 198 and above. SJ1056 THS : For serial numbers 87 312 751 and above.
B	257426	1	ASSEMBLY, ENGINE SUBGROUP, 3.6L 107HP - DOWNGRADE
1	244510	1	• ASSEMBLY, Engine Deutz TCD 3.6 T4F 107 HP EMR5
2	(Ref).	1	• ASSEMBLY, Transmission VDT 12000 10 K <i>(For components, refer to Section 3.8)</i>
3	190712	1	• MOUNT, Transmission - inner
4	190709	1	• MOUNT, Transmission - outer
5	190715	1	• MOUNT, 3.6 L engine - outer
6	190718	1	• MOUNT, 3.6 L engine - inner
7	933630	14	• WASHER, Flat M12 Hard
8	933833	10	• WASHER, Flat M10 OD 20.0
9	116995	16	• WASHER, Lock M12 plated DIN 127B
10	130884	10	• WASHER, Lock M10-plated DIN 127B
11	933659	14	• BOLT, Hex head M12 x 1.75 x 30 mm CL 10.9
12	933658	9	• BOLT, Hex head M10 x 1.5 x 30 mm grade 10.9 YE
13	152324	2	• BOLT, Hex head M12 x 1.75 x 25 mm grade 8.8 ZP
14	103404	6	• WASHER, Lock 5/16"
15	103996	6	• WASHER, Flat 5/16"
16	158320	6	• BOLT, Hex head 5/16"-18 x 3/4" grade 8
17	171177	2	• CLAMP - Loop vinyl coated - 2"
18	232529	1	• BOLT, Socket head M10-1.5 x 30
19	133598	4	• SPACER, Rolled, 3/8" x 1-1/2"
20	103995	4	• WASHER, Flat 1/4"
22	103861	4	• BOLT, Hex head 1/4"-20 x 2-1/2" Gr. 5
23	108675	7	• WIRE PROTECTOR, 1/2" DIA (not shown)
23	233208	1	• HOSE, DEF - SCR (not shown), A

3.6 Engine 3.6L 107 HP - Downgrade



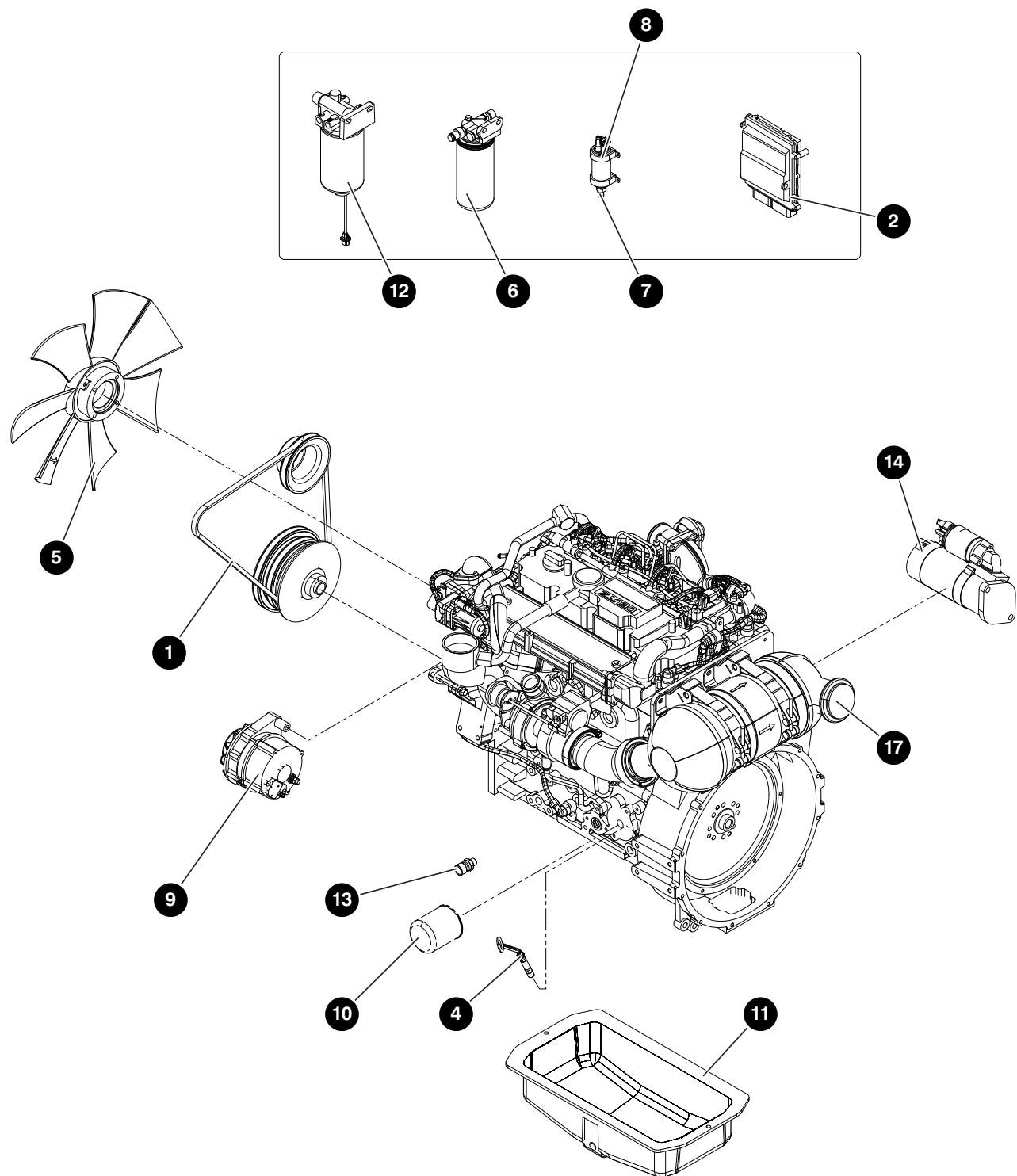
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257430, 257432

3.6 Engine 3.6L 107 HP - Downgrade

Index No.	Skyjack Part No.	Qty.	Description
A	257429	1	ENGINE ASSEMBLY (3.6L 107 HP - DOWNGRADE)
B	257431	1	ENGINE ASSEMBLY - DEUTZ RADIATOR (3.6L 107 HP - DOWNGRADE)
1	(Ref.)	1	- ENGINE TRAY SUBGROUP, A (<i>For components, refer to Section 3.1</i>) - ENGINE TRAY SUBGROUP, B (<i>For components, refer to Section 3.1</i>)
2	(Ref.)		ENGINE SUBGROUP, 3.6L 107 hp - Downgrade, (<i>For components, refer to Section 3.5</i>)
3	(Ref.)	1	EXHAUST SUBGROUP, 3.6L 107 hp - Downgrade, (<i>For components, refer to Section 3.18</i>)
4	(Ref.)	1	- COOLER SUBGROUP, Deutz 3.6L 107 hp, A (<i>For components, refer to Section 3.22</i>) - COOLER SUBGROUP, Deutz 3.6L 107 hp, B (<i>For components, refer to Section 3.24</i>)
5	(Ref.)	1	- AIR INTAKE SUBGROUP, 3.6L 107 hp, A (<i>For components, refer to Section 3.16</i>) - AIR INTAKE SUBGROUP, 3.6L 107 hp, B (<i>For components, refer to Section 3.16</i>)
6	(Ref.)	1	HYDRAULIC PUMP SUBGROUP, (<i>For components, refer to Section 3.26</i>)
7	(Ref.)	1	FUEL LINES SUBGROUP, (<i>For components, refer to Section 3.15</i>)
8	(Ref.)	1	HARNESS, Engine (not shown), (<i>For components, refer to Section 5.5</i>)
9	163418	22	SLEEVE, Nylon hose protection (not shown)
10	(Ref.)	1	COWLING SUBGROUP, (<i>For components, refer to Section 1.7</i>)

3.7 Engine Assembly

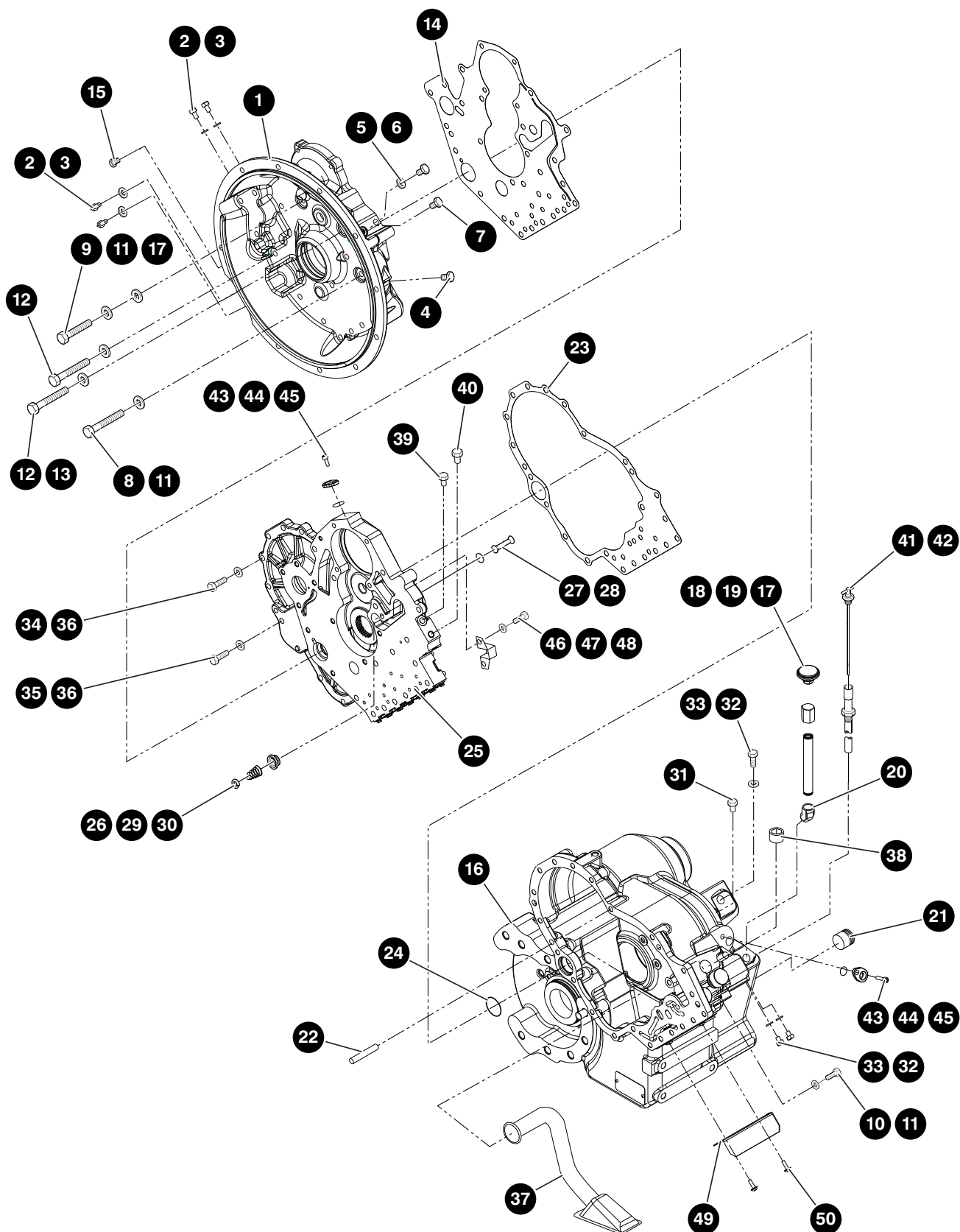


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3.7 Engine Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	190003	1	• ASSEMBLY, ENGINE DEUTZ TCD 3.6 T4F 74 HP
-	190004	1	• ASSEMBLY, ENGINE DEUTZ TCD 3.6 T4F 107 HP
			SJ1044 TH/THS : For serial numbers 87 210 197 and below.
			SJ1056 TH/THS : For serial numbers 87 312 750 and below.
1	197173	1	• ASSEMBLY, V-grooved pulley
2	197187	1	• CONTROL UNIT
3	197183	1	• COOLANT PUMP, water pump (Not shown)
4	197179	1	• INDICATOR, Fluid level
5	196882	1	• FAN
	229053	1	• • BOLT, Hexagonal
6	197181	1	• FILTER, Fuel
-	166700	1	• • SENSOR, pressure (Not shown)
-	197182	1	• • FILTER, Spin-on, fuel (Not shown)
	216423	1	• • HOSE LINE, Outlet fuel to injector pump (Not shown)
7	164770	1	• PUMP, Fuel supply
8	197095	2	• • CLIP
9	197184	1	• ALTERNATOR
10	196896	1	• FILTER, Oil
11	197180	1	• PAN,Oil
12	196888	1	• PRE-FILTER
-	196889	1	• • CARTRIDGE, Filter (Not shown)
-	169249	1	• • WIRE, Sensor cable (Not shown)
-	196893	1	• • PLUG, Vent (Not shown)
13	166704	1	• PRESSURE SENSOR
14	216438	1	• STARTER
15	196886	1	• TACHO-GENERATOR (Not shown)
16	197186	1	• TRANSMITTER, Temperature (Not shown)
17	197188	1	• CATALYTIC CONVERTER, Diesel Oxidation
	239439		• • OUTLET, Catalytic Converter
	239440		• • CLIP, Catalytic converter
	239441		• • GASKET,
18	216436	1	• RELAY (Not Shown)
20	216735	1	• HEATING ELEMENT
21	199251	1	• CABLE, 120 V, 1.5 m
22	199252	1	• CABLE, 120 V, 5 m
23	221397	1	• PUMP, Supply
	223182	1	• • FILTER, Supply pump (Not shown)
24	223196	1	• PIPE, line lead
25	223203	1	• SENSOR (not shown)
26	223202	1	• CARRIER, DIFFERENTIAL (not shown)
27	232523	1	• HARNESS, Main Engine 74 HP (not shown)
28	239429	1	• TRANSMITTER, Temperature (not shown)
29	248183	1	• ASSEMBLY, Thermostat housing (not shown)
30	248184	1	• GASKET, Mounting (not shown)

3.8 Powershift Transmission Assembly - Housing & Case Group



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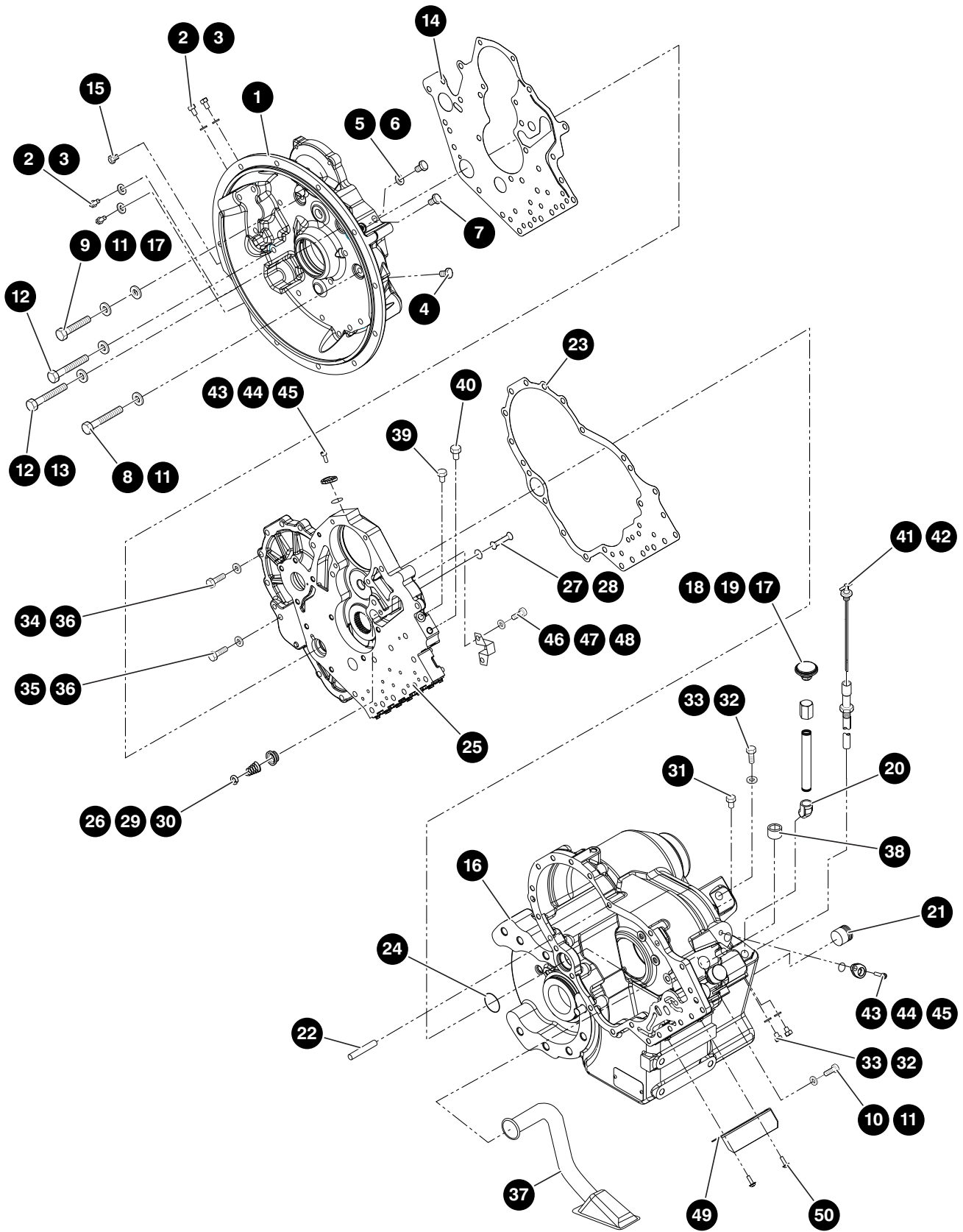
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

3.8 Powershift Transmission Assembly - Housing & Case Group

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

3.8 Powershift Transmission Assembly - Housing & Case Group



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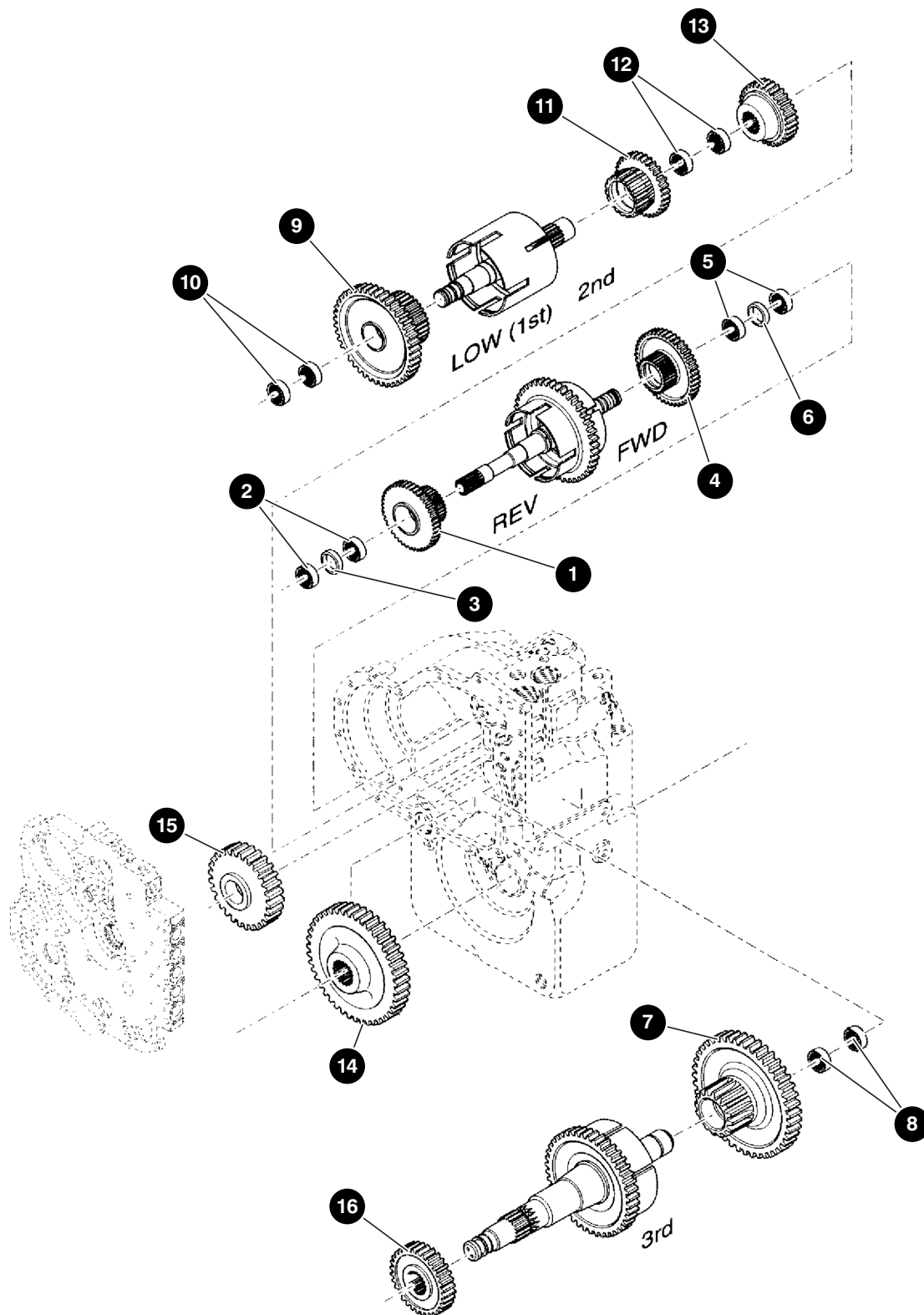
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3.8 Powershift Transmission Assembly - Housing & Case Group

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

3.9 Transmission Assembly - Gear Group



M190024AC-4

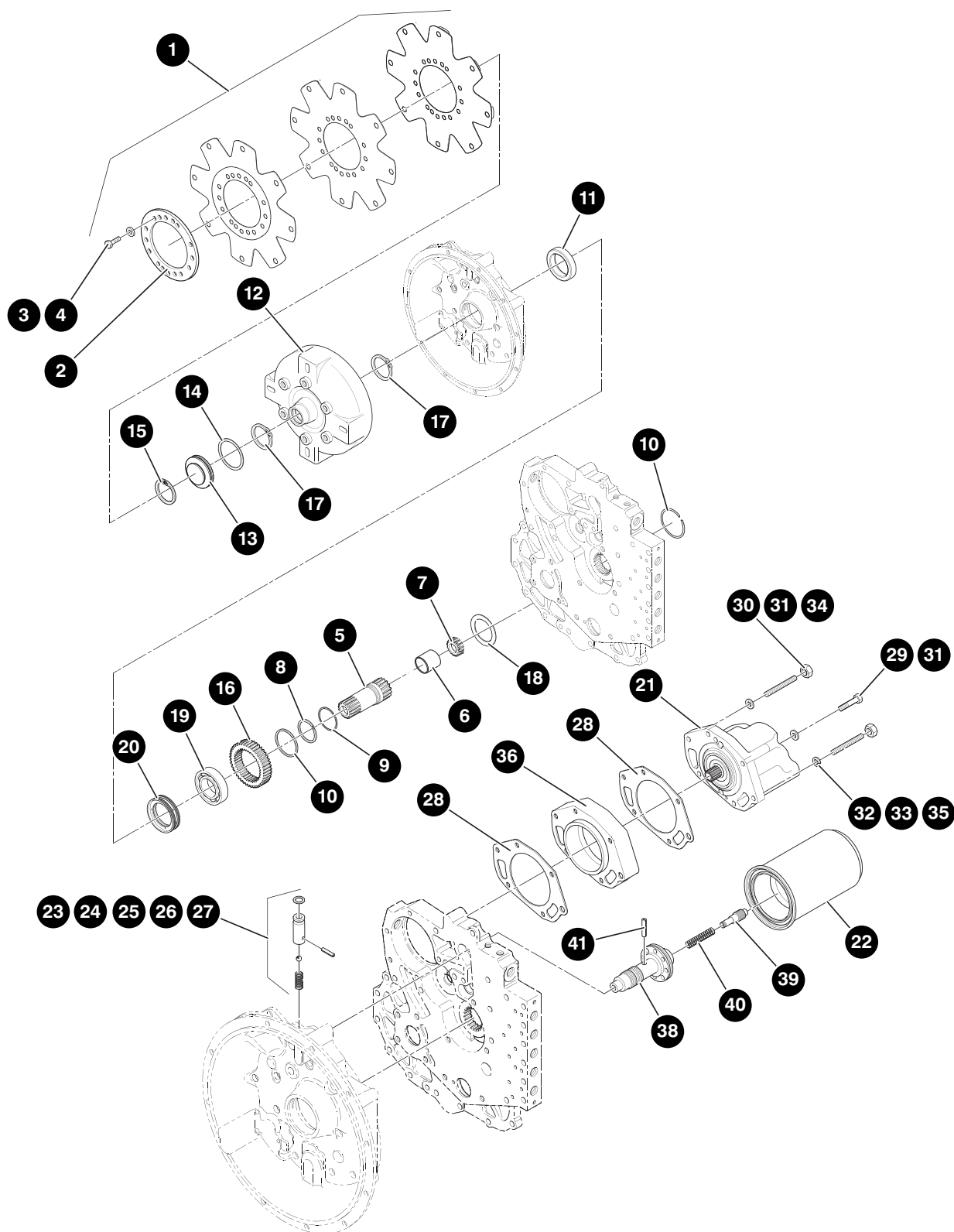
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SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

3.9 Transmission Assembly - Gear Group

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

3.10 Transmission - Drive Plate, Torque Converter & Pump Group

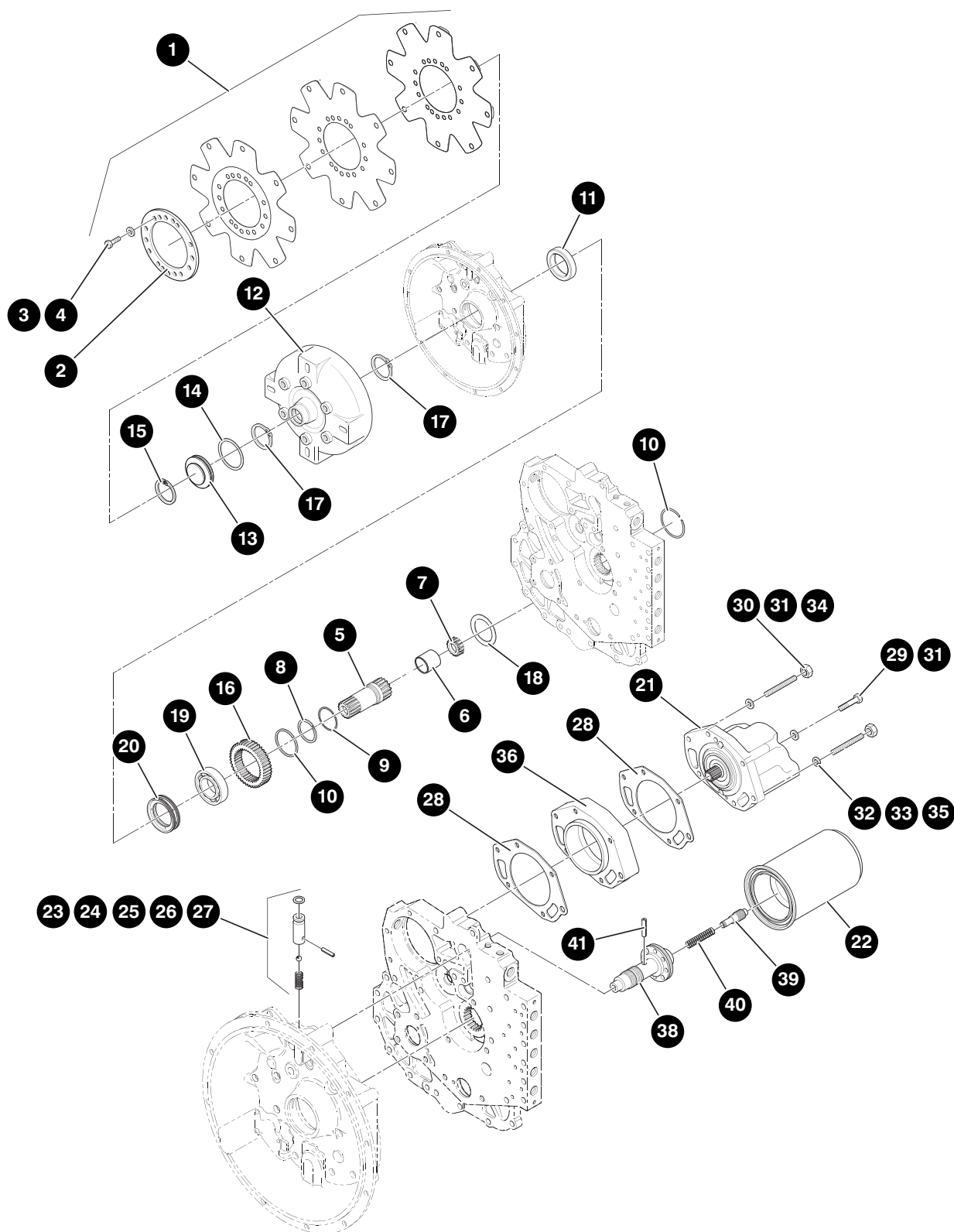


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3.10 Transmission - Drive Plate, Torque Converter & Pump Group

Index No.	Skyjack Part No.	Qty.	Description
A	190024	1	ASSEMBLY, TRANSMISSION VDT 12000
B	190023	1	ASSEMBLY, TRANSMISSION VDT 12000
1	196866	1	• KIT, Drive plate
2	406861	1	• • RING, Backing
3	196868	6	• • CAPSCREW
4	407780	6	• • WASHER, Lock
5	196704	1	• ASSEMBLY, Stator support
6	196705	1	• • BUSHING
7	196706	1	• • BEARING
8	406856	1	• RING, Stator support piston
9	406858	1	• EXPANDER, Stator support piston ring
10	406853	2	• SNAP RING, Stator support
11	406870	1	• SEAL
12	196711	1	• ASSEMBLY, Torque converter - A
	197177	1	• ASSEMBLY, Torque converter - B
13	406587	1	• PLUG
14	408324	1	• O RING
15	406847	1	• SNAP RING
16	196714	1	• GEAR, Impeller hub
17	406855	2	• SNAP RING
18	406831	1	• WASHER
19	406593	1	• BEARING
20	196718	1	• RING-OIL DISTRIBUTOR
21	196742	1	• ASSEMBLY, Charge pump
22	196743	1	• ASSEMBLY, Hydraulic spin filter
23	196744	1	• ASSEMBLY, Ball check valve
24	196745	1	• • BALL
25	196746	1	• • SPRING, Check valve
26	196747	1	• • PIN, Check valve
27	406923	1	• • O RING
28	406854	2	• GASKET, Pump & adaptor
29	196749	4	• SCREW
30	196750	1	• STUD
			Parts list continued in following page

3.10 Transmission - Drive Plate, Torque Converter & Pump Group

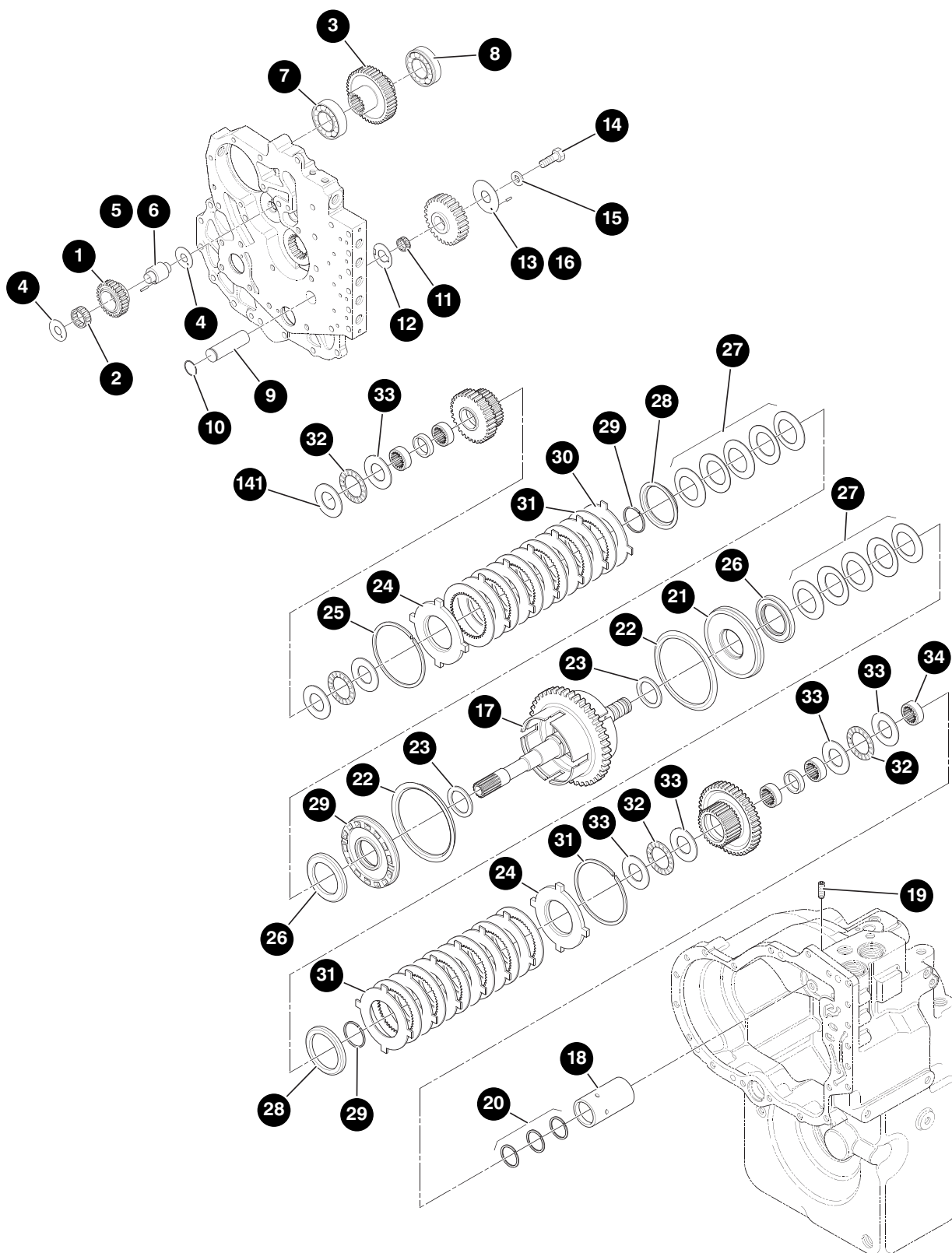


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3.10 Transmission - Drive Plate, Torque Converter & Pump Group

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

3.11 Transmission Assembly - Forward & Reverse Group

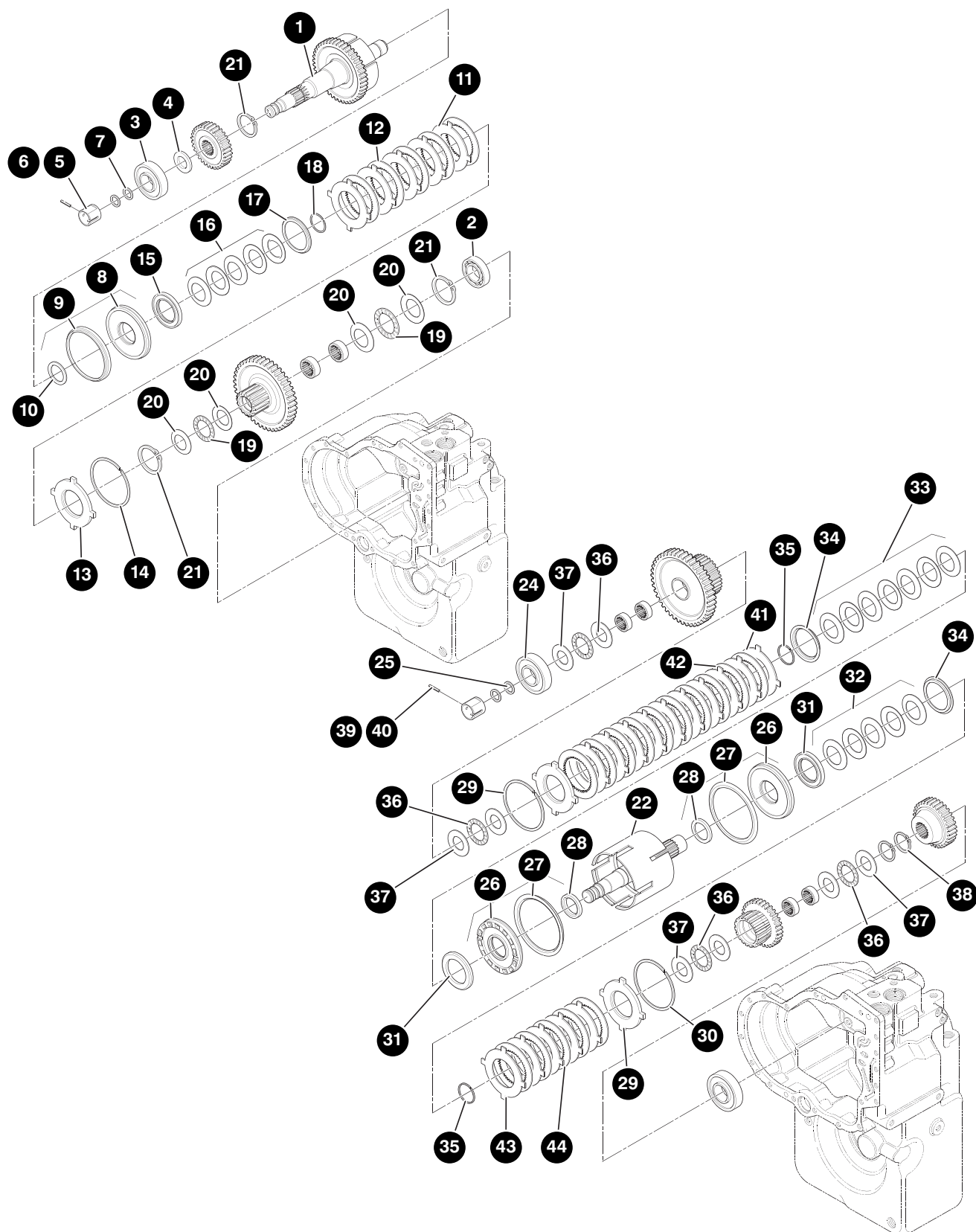


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3.11 Transmission Assembly - Forward & Reverse Group

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

3.12 Transmission Assembly - First, Second & Third Shaft



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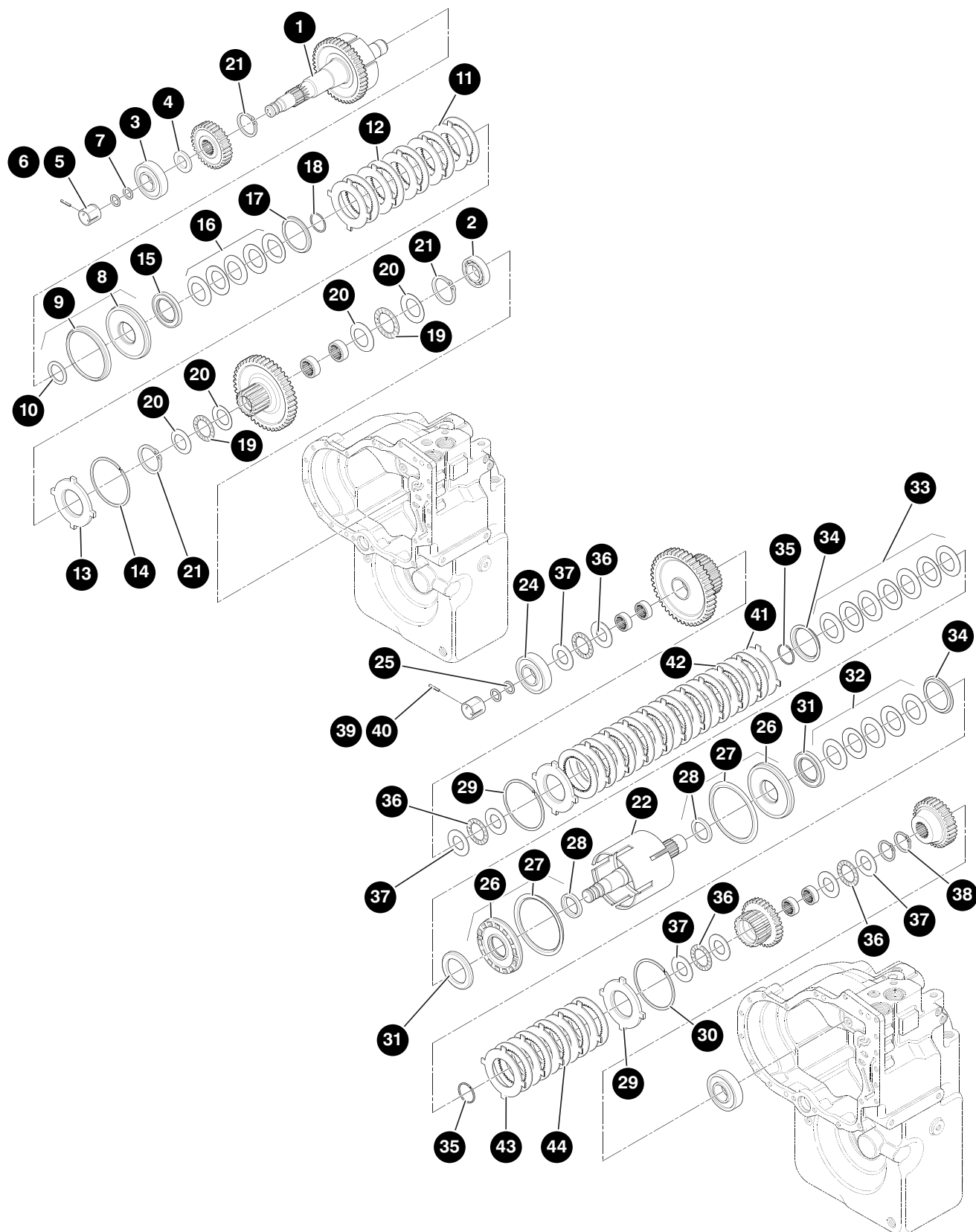
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

3.12 Transmission Assembly - First, Second & Third Shaft

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

3.12 Transmission Assembly - First, Second & Third Shaft

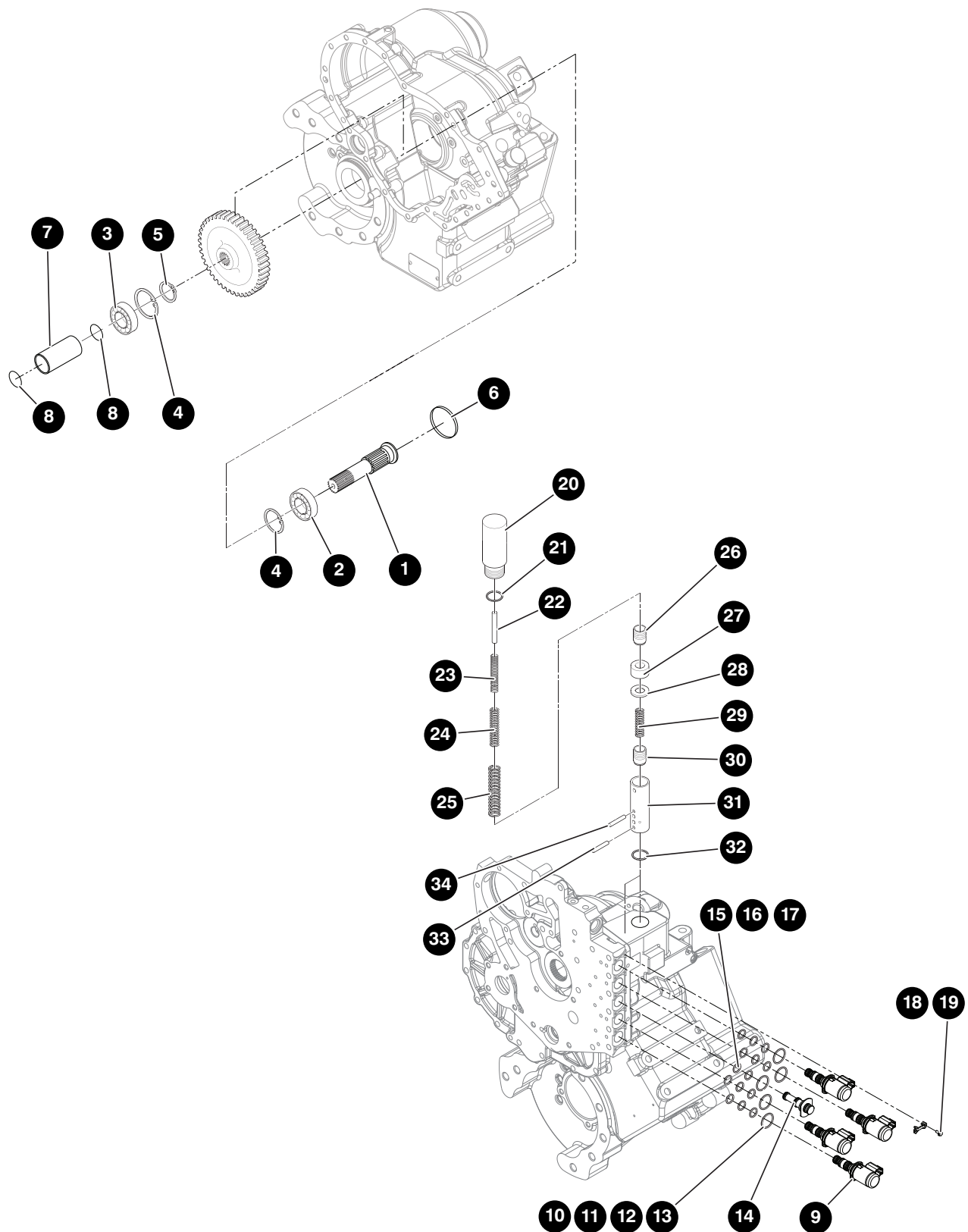


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3.12 Transmission Assembly - First, Second & Third Shaft

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

3.13 Transmission Assembly - Output Shaft & Control Group

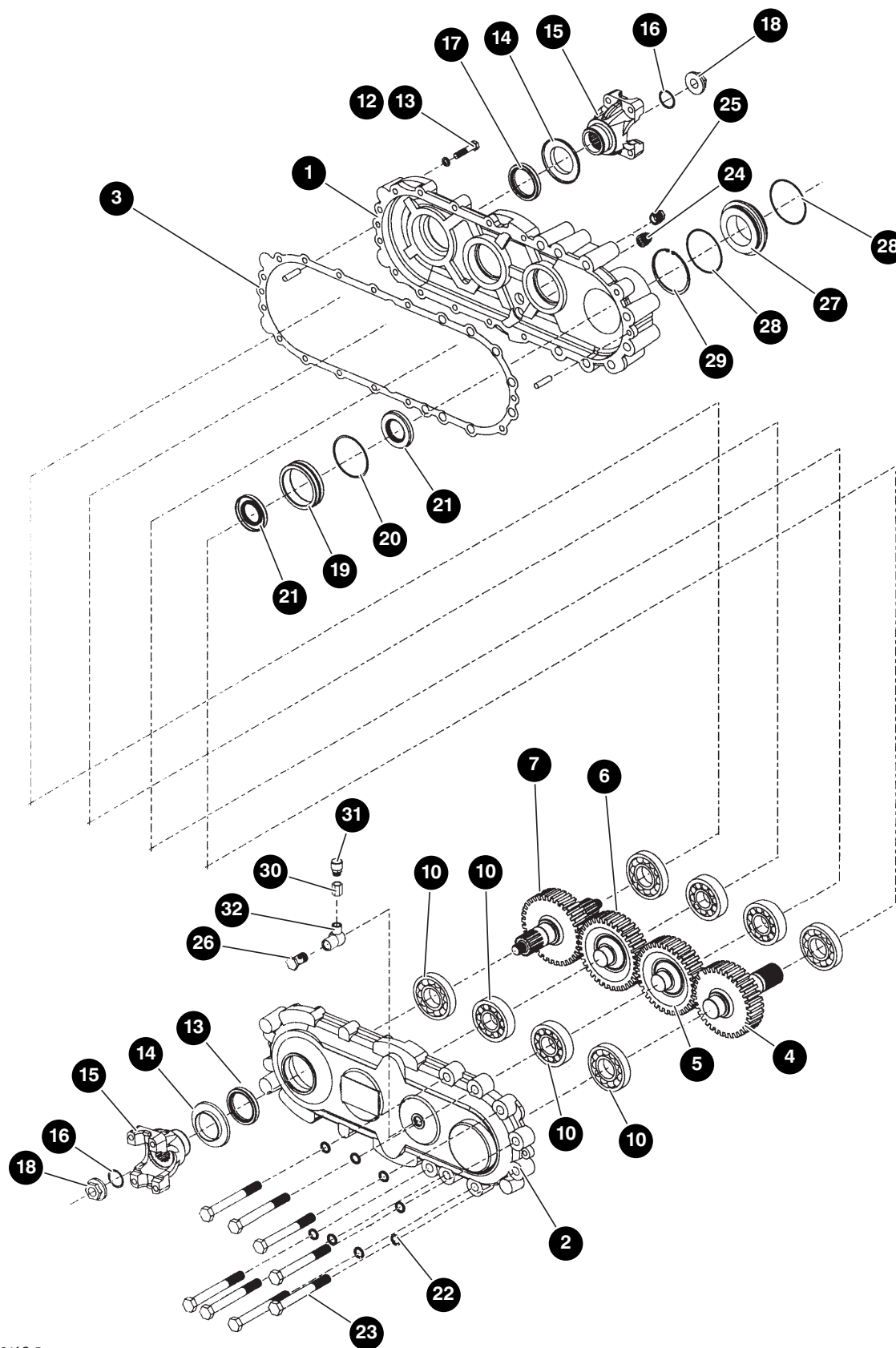


M190024AC-2

3.13 Transmission Assembly - Output Shaft & Control Group

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

3.14 Transmission Assembly - Drop Box

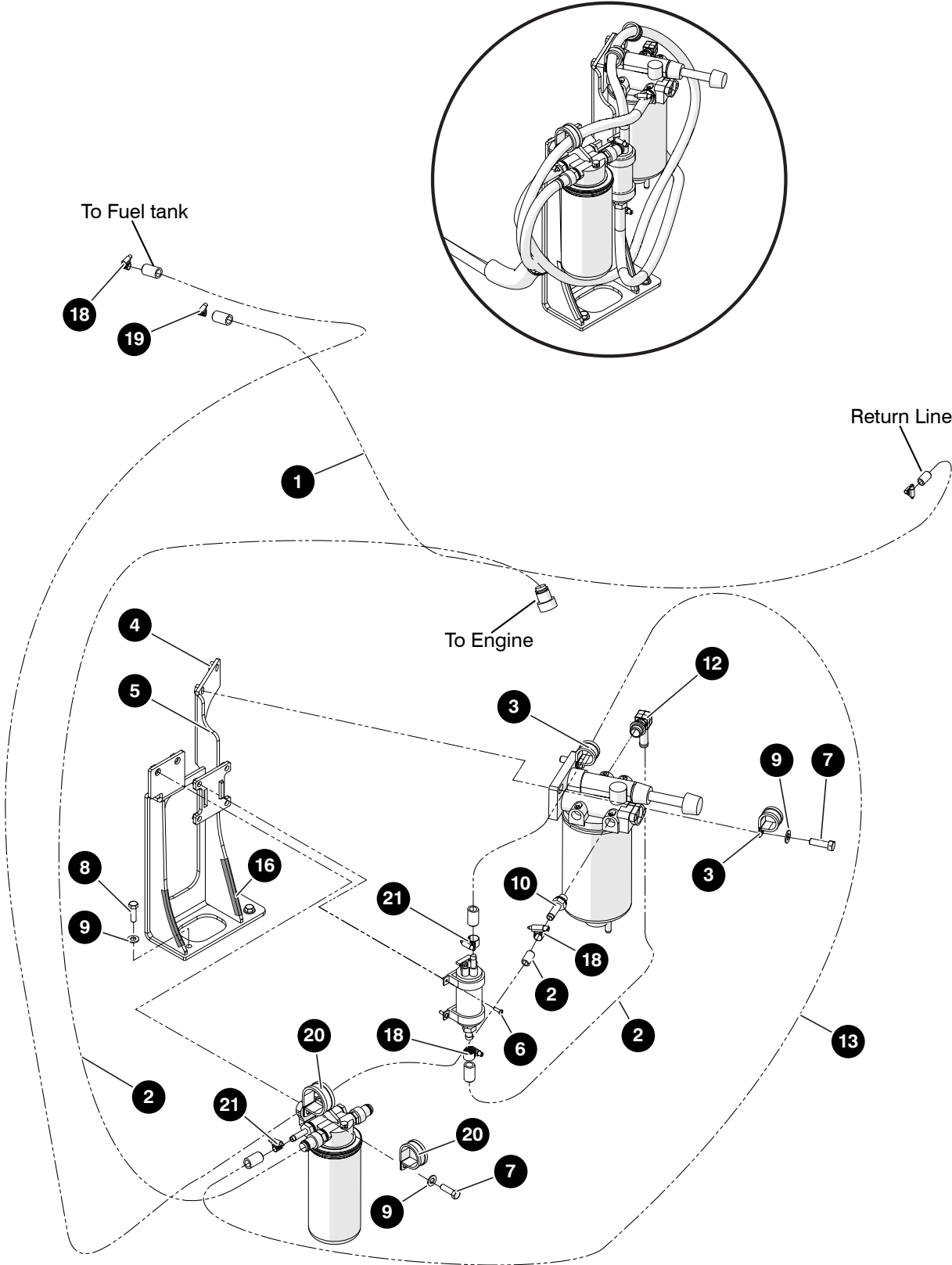


M190024AC-5

3.14 Transmission Assembly - Drop Box

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

3.15 Fuel Lines Assembly

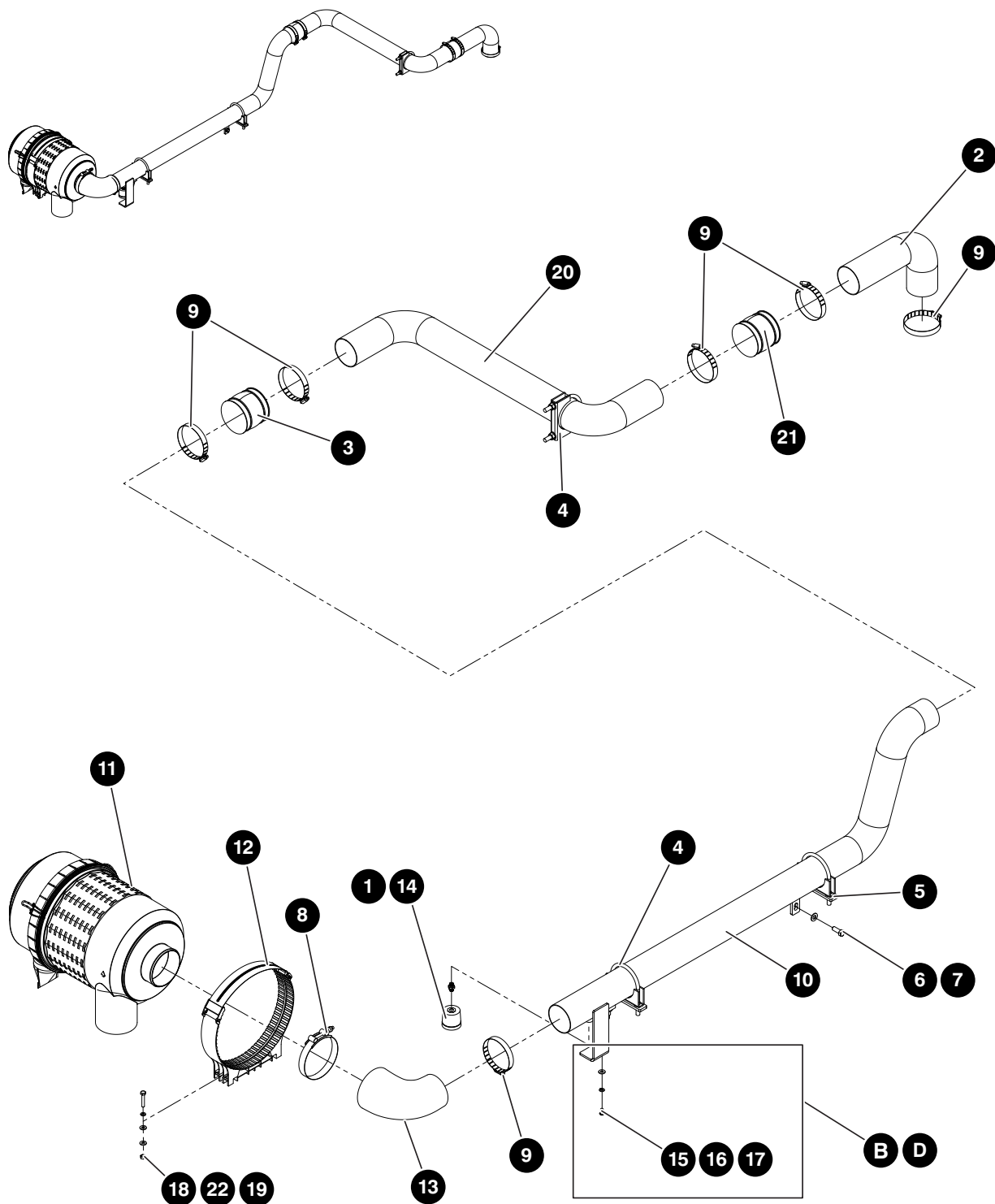


M190056AE

3.15 Fuel Lines Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	190056	1	ASSEMBLY, FUEL LINES 3.6L
1	102984	96	• FUEL LINE, 5/16"#47PB-B194
2	163509	150	• HOSE 1/2' 300 PSI, General purpose
3	168707	2	• CLAMP, Loop cushioned x 1 DIA(#16)
4	191125	1	• ASSEMBLY, FUEL FILTERS
5	191338	1	• • WELDMENT, Fuel filter mount
6	120094	4	• • SCREW, Round head machine 10-32 x 5/8"
7	101297	4	• • BOLT, Hex head 3/8"-16 X 1-1/4" Gr. 5
8	103473	4	• • BOLT, Hex head 3/8"-16 X 1" Gr. 5
9	103472	8	• • WASHER Flat 3/8"
10	163222	1	• • FUEL HOSE FITTING
11	164977	1	• • FITTING, 3/8" fuel hose
12	210372	1	• • FITTING, 90°(08BEAD - M16ORBM)
13	166737	54	• HOSE, Fuel line 300 PSI, 3/8" ID
14	102893	12	• TIEWRAP, Cable, 14-1/2" black (Not Shown)
15	171444	50	• WRAP, Spiral 1" DIA (Not Shown)
16	119922	10	• TRIM, Protective 1/4"-1/2"
17	131732	55	• SLLEVE, Nylon hose protection HG-46 (Not Shown)
18	116342	4	• CLAMP, Hose (0.5")
19	103321	2	• CLAMP, Hose (0.31")
20	133241	1	• CLAMP, Tube (1-5/8")
21	102519	2	• CLAMP, Hose (0.38")

3.16 Air Intake System Installation



M190635AC

190126AK

106

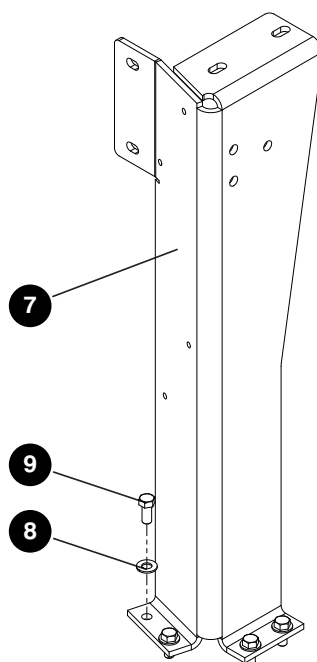
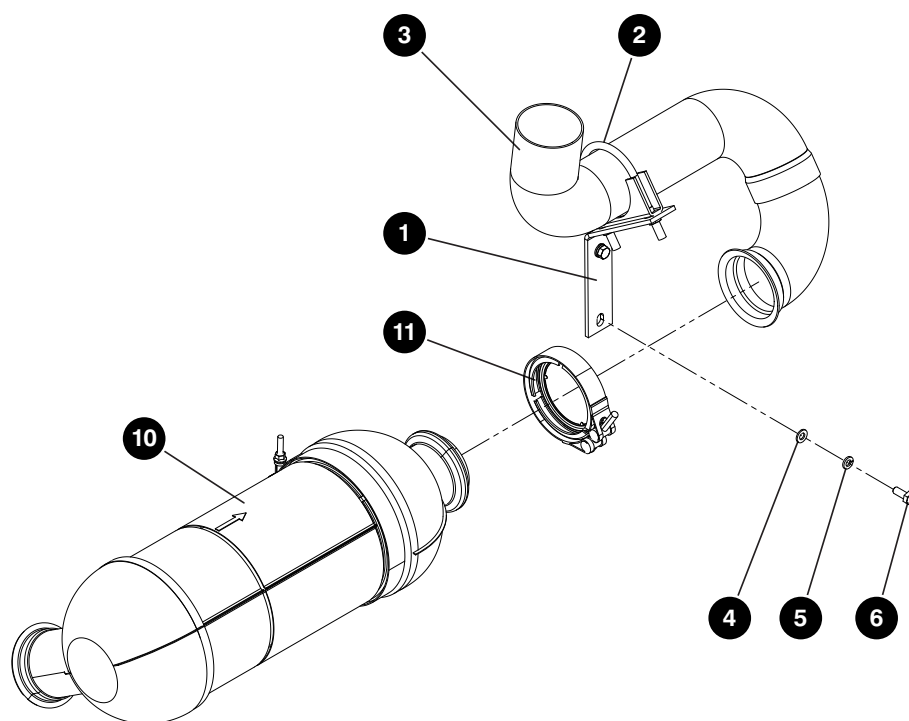
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

3.16 Air Intake System Installation

Index No.	Skyjack Part No.	Qty.	Description
A	196480	1	ASSEMBLY, AIR INTAKE 3.6L 74 HP
B	190635	1	ASSEMBLY, AIR INTAKE 3.6L 107 HP
C	223214	1	ASSEMBLY, DEUTZ AIR INTAKE 3.6L 74 HP
D	223545	1	ASSEMBLY, DEUTZ AIR INTAKE 3.6L 107 HP
1	190384	1	• INDICATOR, Service
2	232470	1	• TUBE, Air intake, Deutz TCD 3.6 T4F - A, B
-	232471	1	• TUBE, Air intake, Deutz TCD 3.6 T4F 74 HP - C, D
3	190674	1	• CONNECTOR, Straight
4	928271	3	• CLAMP 3" Exhaust
5	190480	2	• BRACKET, Exhaust support
6	103472	4	• WASHER, 3/8" zinc plated
7	101632	4	• BOLT, Hex head 3/8"-16 x 3/4" Gr. 5
8	412578	1	• CLAMP, 4-1/4" - 4-9/16" B9200-0425B
9	138666	6	• CLAMP, Hose (3.50)
10	196479	1	• ASSEMBLY, Tube air intake, Deutz TCD 3.6 - A
-	191056	1	• ASSEMBLY, Tube air intake, Deutz TCD 3.6 - B
-	223208	1	• ASSEMBLY, Tube air intake, Deutz TCD 3.6 - C
-	223544	1	• ASSEMBLY, Tube air intake, Deutz TCD 3.6 - D
11	191051	1	• AIR CLEANER, EP500
-	197221	1	• • Filter, Primary element
-	197222	1	• • Filter, secondary element
12	191052	1	• BRACKET, Air cleaner - EP500
13	204198	1	• HOSE, Elbow 90°, 3" to 4" reducer
14	191734	1	• ADAPTER, Male-male M10X1, male M10X1
15	103995	1	• WASHER, Flat zinc 1/4" - B, D
16	104000	1	• WASHER, Lock 1/4" - B, D
17	300060	1	• BOLT, button head cap screw 1/4"-20 x 1/2" - B, D
18	103885	2	• BOLT, Hex head 5/16"-18 x 1-3/4" Gr.
19	103984	2	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
20	197251	1	• TUBE, Air intake, Deutz TCD 3.6 T4F
-	223549	1	• TUBE, Air intake, Deutz TCD 3.6 T4F
21	199836	1	• CONNECTOR, 3" ID x 3.4" OD x 6.3" L
22	103996	4	• WASHER, 5/16"

3.17 Exhaust Tube Installation



M190700AD

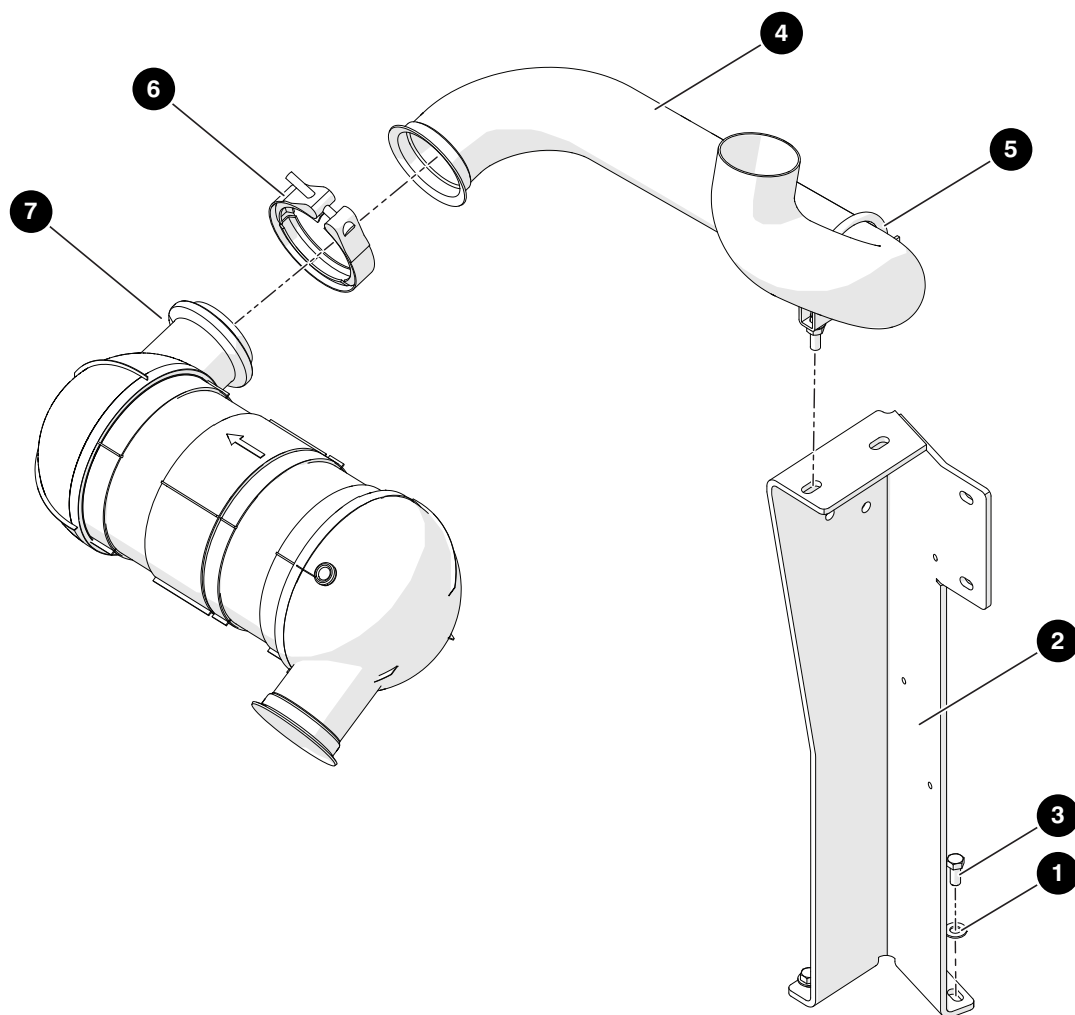
190126AK

SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

3.17 Exhaust Tube Installation

Index No.	Skyjack Part No.	Qty.	Description
-	190700	1	ASSEMBLY, EXHAUST 3.6L 74HP
1	190793	1	• BRACKET, Tailpipe mount
2	928271	1	• CLAMP 3" Exhaust
3	191994	1	• PIPE, Tail Deutz 3.6L 74HP
4	933832	2	• WASHER, Flat M8 - OD 16
5	116218	2	• WASHER, Lock M8-Plated DIN 127B
6	133174	2	• BOLT, Hex head M8 x 1.25 x 20mm grade 8 Zinc plated
7	233040	1	• SUPPORT, Pipe weldment - Serial number 87210170 / 87312029 & Above
8	103472	4	• WASHER, Flat 3/8" - Serial number 87210170 / 87312029 & Above
9	139193	4	• BOLT, Hex head, zinc plated 3/8"-16 x 7/8" Gr. 8 Serial number 87210170 / 87312029 & Above
10	(Ref).	1	CATALYTIC CONVERTER, Diesel Oxidation <i>(For components, refer to Section 3.19)</i>
11	190481	1	CLAMP, V-band 3"

3.18 Exhaust System, 3.6L 107HP - Downgrade

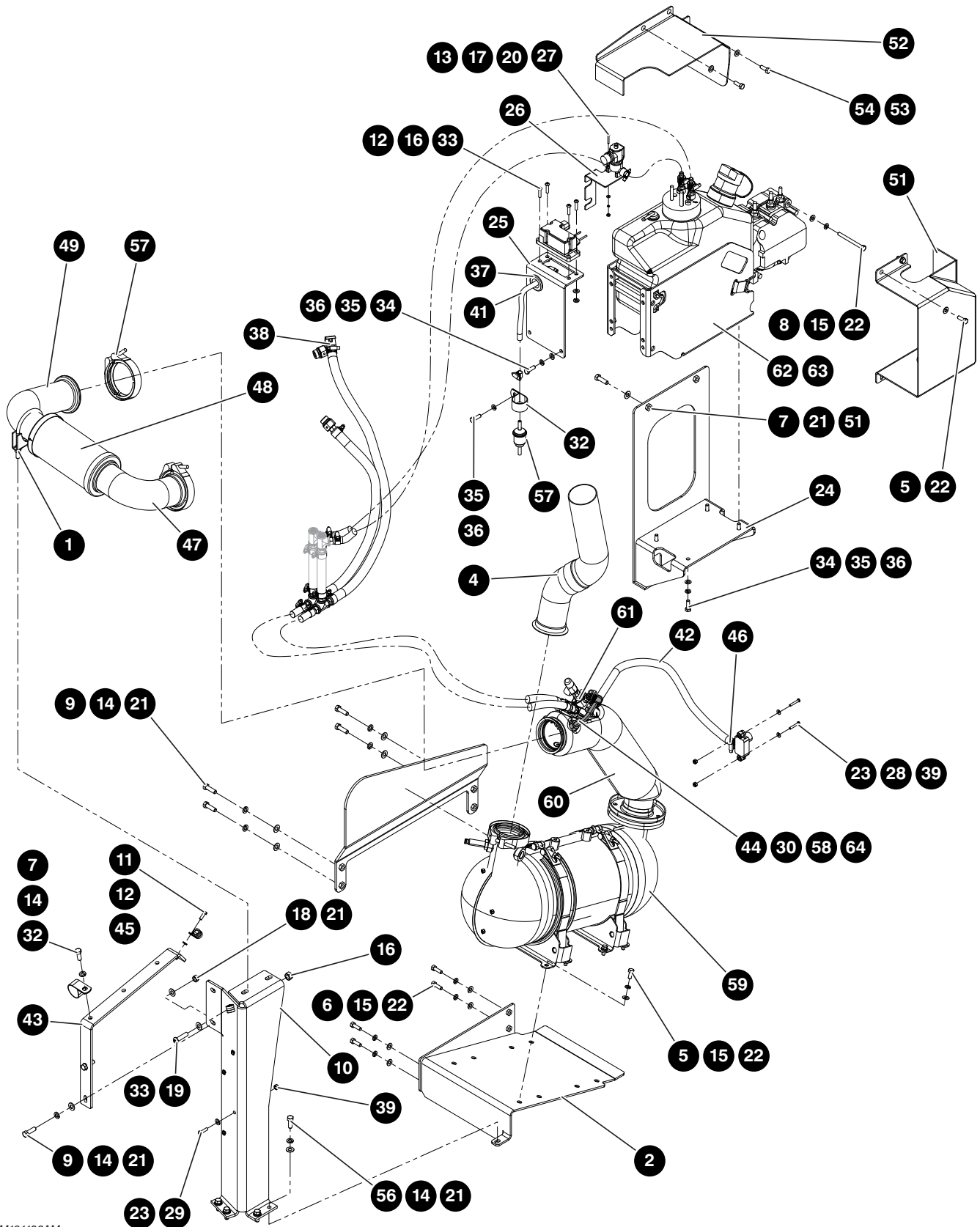


M256958AA

Index No.	Skyjack Part No.	Qty.	Description
-	256958	1	EXHAUST SUBGROUP, 3.6L 107 hp - Downgrade
1	103472	4	• WASHER, Flat (3/8")
2	233040	1	• SUPPORT, Pipe weldment
3	139193	4	• BOLT, Hex head patch (3/8"-16 x 7/8" G8)
4	256956	1	• PIPE, Exhaust
5	928271	1	• CLAMP, Exhaust (3")
6	(Ref.)	1	CLAMP, V-band (3"), <i>(For components, refer to Section 3.19)</i>
7	(Ref.)	1	CATALYTIC CONVERTER, <i>(For components, refer to Section 3.19)</i>

 **Notes**

3.19 Exhaust System Assembly 107HP

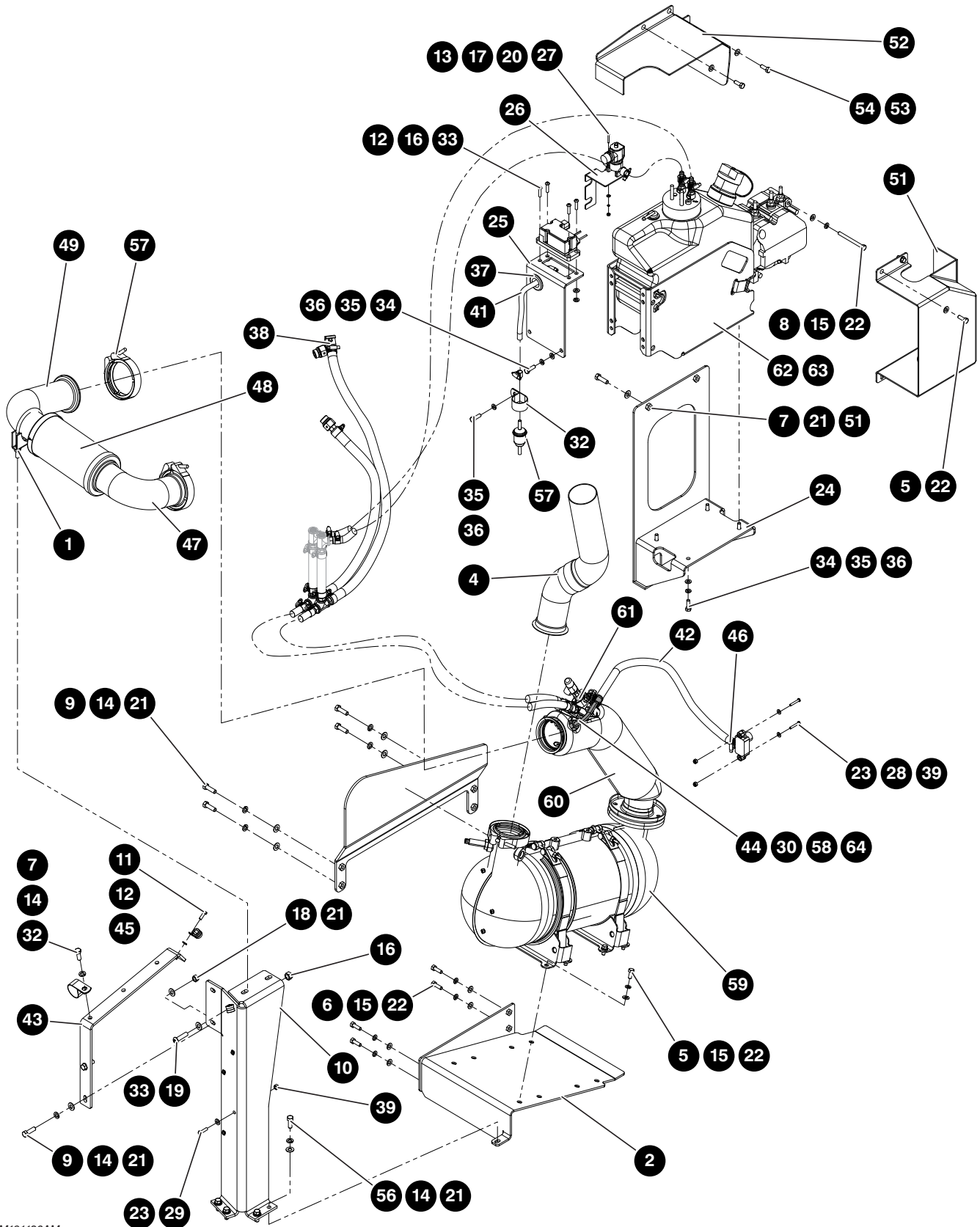


M191126AM

3.19 Exhaust System Assembly 107HP

Index No.	Skyjack Part No.	Qty.	Description
-	191126	1	EXHAUST SUBGROUP, 3.6L 107 HP
1	928271	1	• CLAMP, 3" Exhaust
2	190993	1	• WELDMENT, SCR Bracket
3	191036	3	• ADHESIVE, Backed heat barrier (Not shown)
4	190941	1	• TUBE, Exhaust tail 3.6L 107HP
5	103887	12	• BOLT, Hex head 5/16"-18 X 3/4" Gr. 5
6	103864	4	• BOLT, Hex head 5/16"-18 X 1" Gr. 5
7	103473	6	• BOLT, Hex head 3/8"-16 X 1" Gr. 5
8	103868	3	• BOLT, Hex head 5/16"-18 X 3" Gr. 5
9	101297	2	• BOLT, Hex head 3/8"-16 X 1-1/4" Gr. 5
10	233040	1	• SUPPORT, Pipe weldment
11	103856	1	• BOLT, Hex head 1/4"-20 X 3/4" Gr. 5
12	104000	5	• WASHER, Lock 1/4"
13	106099	4	• WASHER, Lock #6
14	103999	10	• WASHER, Lock 3/8"
15	103404	15	• WASHER, Lock 5/16"
16	103980	5	• NUT, Hex head 1/4"-20 Gr. 8
17	103985	4	• NUT, Hex 6-32
18	103978	2	• NUT, Hex 3/8"-16 Gr. 5
19	103995	1	• WASHER, Flat 1/4"
20	191833	4	• WASHER, Flat #6
21	103472	16	• WASHER Flat 3/8"
22	103996	15	• Washer Flat 5/16"
23	104694	6	• Washer Flat #10
24	191418	1	• WELDMENT, Def tank mount
25	191759	1	• BRACKET, Def heater mount
26	191780	1	• BRACKET, Def solenoid valve
27	103956	4	• SCREW, Round head machine 6-32 x 1"
28	103961	2	• SCREW, Round head machine 10-24 x 1-1/4"
29	151155	4	• SCREW, Round head machine 10-24 x 1"
30	204231	1	• RING, Cutting
31	103321	2	• CLAMP, Gear (SAE NO.4 - 1/4"-13/16")
32	133241	1	• CLIP, Single S340G26
33	702911	4	• BOLT, Button head cap screw 1/4"-20 x 1
34	933832	2	• WASHER, Flat M8 - OD 16.0
Part list continued in following page			

3.19 Exhaust System Assembly 107HP

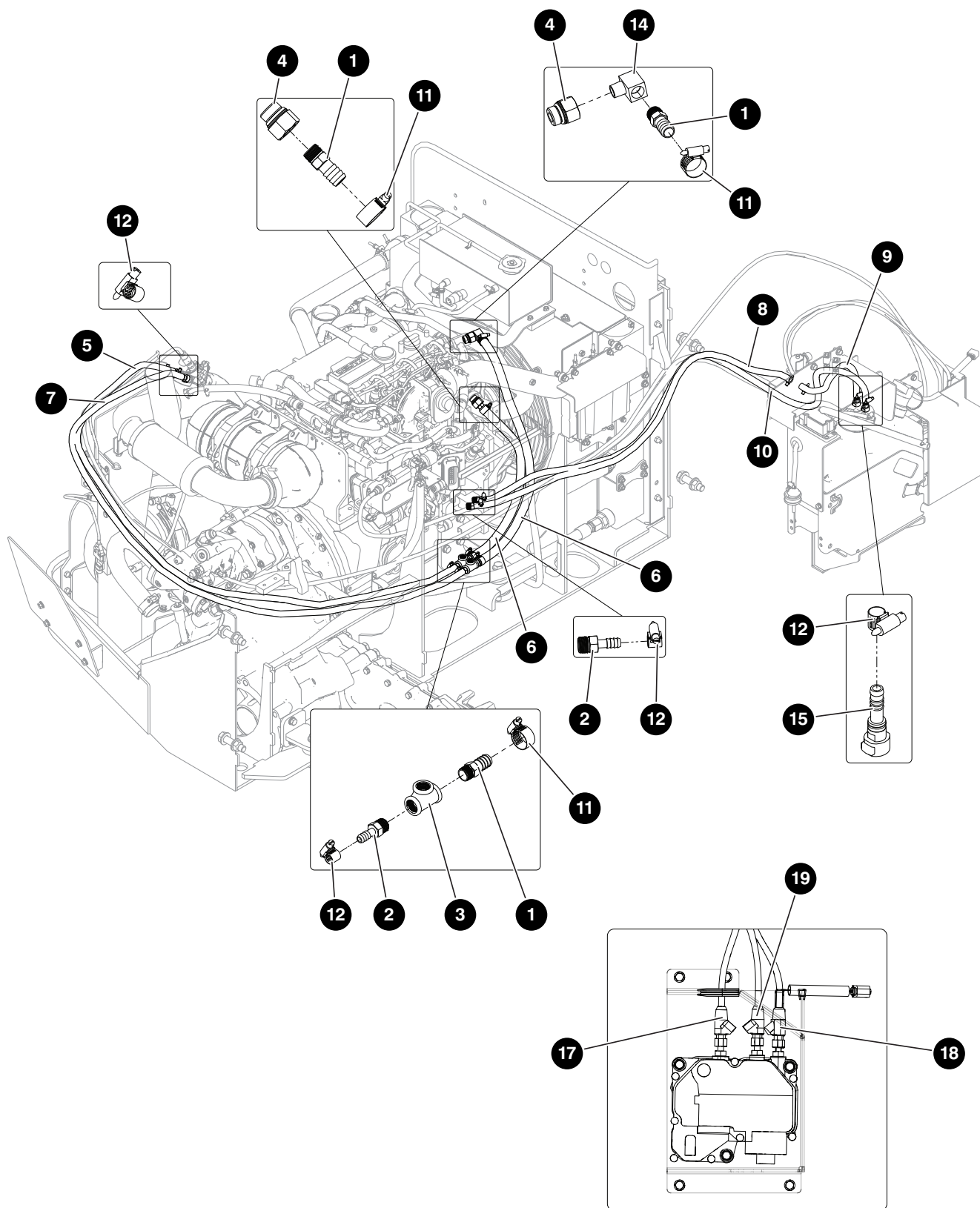


M191126AM

3.19 Exhaust System Assembly 107HP

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
35	116218	3	• WASHER, Lock M8-Plated DIN 127B
36	933655	3	• BOLT, hex head cap screw M8 - 1.25 x 25 CL 8.8 YE
37	144294	1	• GROMMET, Rubber 1" ID x 1-3/8" OD x 3/16"
38	191775	1	• ASSEMBLY, SCR coolant hoses install
39	126642	6	• NUT, Lock with nylon insert 10-24 Gr. 5
40	102893	20	• TIEWRAP CABLE, 14-1/2" Black
41	165739	11	• HOSE, GM Engine rad, overflow
42	163509	26"	• HOSE, Fuel line 3/8" ID, 300 PSI
43	197420	1	• BRACKET, Def line support
44	204229	1	• TUBE, SS 12mm OD
45	103024	1	• CLAMP, Single clip G8
46	116342	2	• CLAMP, Gear #8
-	190966	1	• WELDMENT, Pipe DOC to SCR
47	190964	1	• • PIPE, Doc to Flex
48	190963	1	• • PIPE, Flex 10"
49	190965	1	• • PIPE, Flex to SCR
50	104606	2	• NUT, Lock with nylon insert 3/8"-16 gr5
-	199826	1	• ASSEMBLY, Cover exhaust - 107HP
51	191443	1	• • COVER, DEF supply module
52	191444	1	• • COVER, DEF tank
53	125959	3	• • BOLT, Hex head 3/8"-16 x 3/4 Gr. 5
54	101632	3	• • WASHER, Flat 3/8" Hard
55	204230	1	• NUT, Upper union
56	139193	4	BOLT, Hex head, 3/8"-16 x 7/8" Gr. 8, zinc plated
57	139254	1	FILTER, In-line fuel
58	190481	3	CLAMP, V-band 3"
59	197167	1	CATALYTIC CONVERTER, Selective Catalytic Reduction System
60	197169	1	Mixing tube
61	197170	1	Metering unit
	223203	1	• Sensor
62	197171	1	DEF TANK/RESERVOIR
	221397	1	• PUMP, DEF Supply
	223182	1	• FILTER, DEF
	223186	1	• VALVE, Solenoid
63	197172	1	Level transmitter
64	168707	1	CLAMP, Loop cushioned x 1" DIA
	223186	1	• VALVE, Solenoid

3.20 DEF Lines

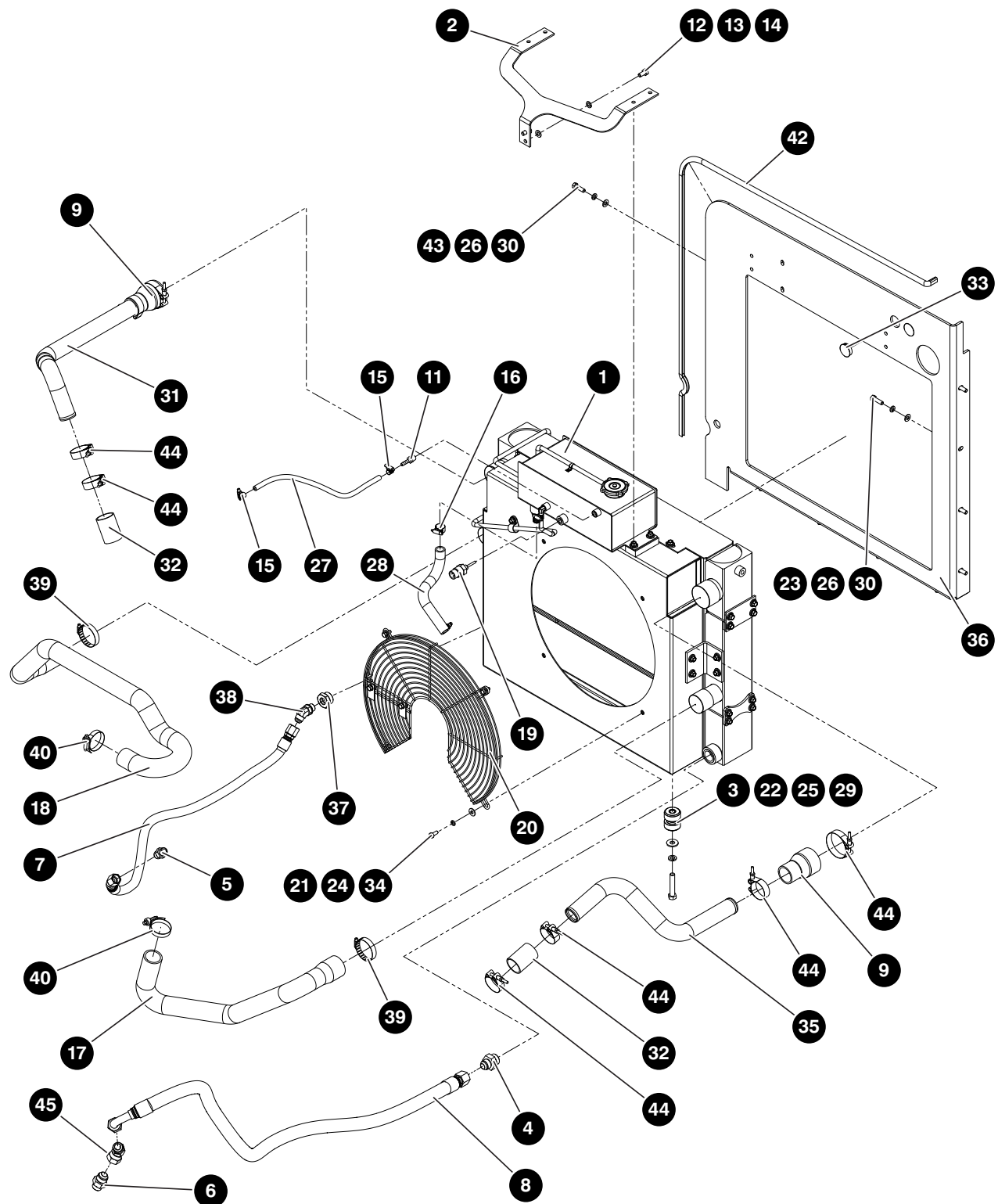


M191775AG

3.20 DEF Lines

Index No.	Skyjack Part No.	Qty.	Description
-	191775	1	DEF LINES
1	191771	6	• HOSE FITTING, 3/8 NPT, 5/8 HOSE
2	191770	6	• HOSE FITTING, 3/8 NPT, 5/8 HOSE
3	191769	4	• TEE, BRASS 3/8 NPT
4	191772	2	• ADAPTER M22X1.5 TO 3/8 NPT /W ORING
5	166737	80	• HOSE 300 PSI- 3/8"
6	191774	53	• HOSE 5/8" ID, 300 PSI
7	166737	81	• HOSE 300 PSI - 3/8"
8	166737	52	• HOSE 300 PSI - 3/8"
9	166737	13	• HOSE 300 PSI - 3/8"
10	166737	66	• HOSE 300 PSI - 3/8"
11	102854	8	• GEAR CLAMP #12
12	116342	10	• CLAMP, HOSE (0.50)
13	102893	20	• TIEWRAP CABLE, 14.5" BLACK
14	413158	1	• BRASS 90 ELBOW 3/8
15	213600	2	• QUICK CONNECTOR, STRAIGHT
16	233208	1	HOSE, DEF to SCR (Not shown)
17	223183	1	• HOSE, BACKFLOW LINE
18	223189	1	• HOSE, PRESSURE LINE
19	223190	1	• HOSE, SUCTION LINE

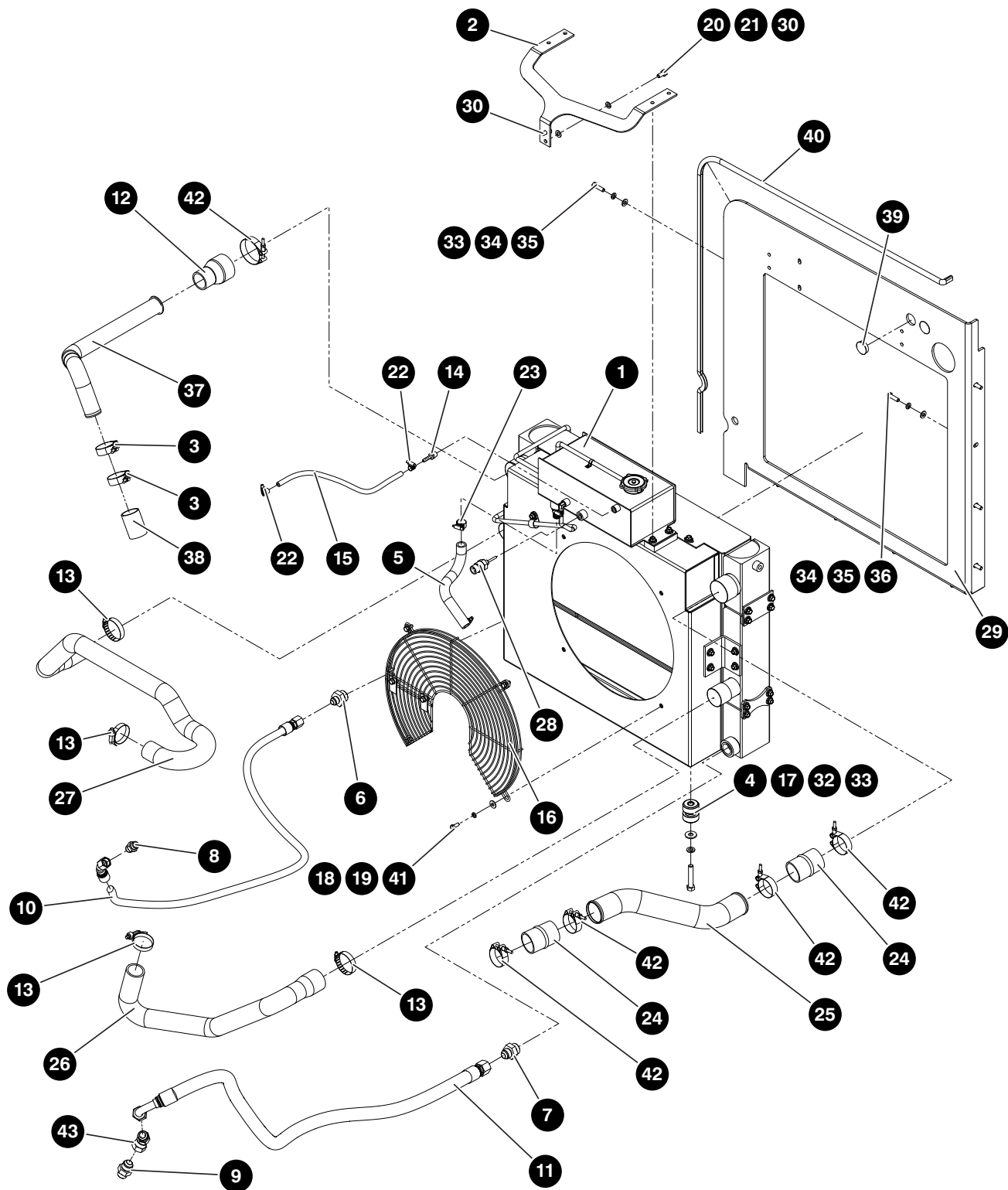
M190682AA



3.21 Cooling Package Style A for 74 HP Engine

Index No.	Skyjack Part No.	Qty.	Description
-	190682	1	ASSEMBLY, COOLER SUBGROUP DEUTZ 3.6L 74HP
1	190683	1	• ASSEMBLY, Cooler 3.6 DEUTZ T4F <i>(For components, refer to Section 3.23)</i>
2	190721	1	• BRACKET, Cooler mounting - 3.6L
3	190428	2	• ISOLATOR, 46.4mm, , 51.21mm, 1/2-13
4	702122	1	• FITTING, (16 ORBM TO 12 JICM)
5	137630	1	• FITTING, (10 ORBM TO 10 JICM)
6	702118	1	• FITTING, (12 ORBM TO 12 JICM)
7	H321000500	1	• HOSE - Transmission to oil cooler
8	H341200700	1	• HOSE - Oil cooler to transmission
9	190887	2	• REDUCER, 2-1/2" to 1-3/4" charge air hot side
10	149493	2	• CLAMP, T-Bolt (2.81-3.09)
11	166176	1	• FITTING, Hose, 5/16" Hose x 1/4" NPT
12	600572	2	• WASHER, Flat M10-OD 20.0
13	130884	2	• WASHER Lock M10-Plated DIN 127B
14	933640	2	• BOLT, Hex head M10 X 1.5 X 20mm CL 8.8 YE
15	103321	4	• CLAMP, Hose (0.31)
16	103320	2	• CLAMP, Hose (1.00)
17	191278	1	• RADIATOR HOSE, Suction
18	191273	1	• RADIATOR HOSE, Thermostat to cooler
19	165058	1	• SENSOR, Coolant level
20	191285	1	• FAN GUARD 18"
21	103887	4	• BOLT, Hex head 5/16"-18 X 3/4" Grade 5
22	123855	2	• BOLT, Hex head 1/2"-13 X 2-3/4" Grade 8
23	101297	8	• BOLT, Hex head 3/8"-16 X 1-1/4" Grade 5
24	103404	4	• WASHER, LOCK 5/16"
25	103470	2	• WASHER, LOCK 1/2" grade 5
26	103999	9	• WASHER, LOCK 3/8"
27	165739	24	• HOSE, Engine vent
28	191844	1	• HOSE, Suction - 3.6L
29	104379	2	• WASHER, Flat 1/2" Hard
30	103472	9	• WASHER, Flat 3/8"
31	191714	1	• CAC TUBE, Turbo to cooler
32	190426	2	• COUPLING, CAC, 44.45 ID X 70
33	197539	2	• PLUG, Snap in for 1-3/8" hole
34	166164	4	• WASHER, Flat standard 5/16"
35	190882	1	• CAC TUBE, Cooler to air return
36	190774	1	• BAFFLE, 3.6L Deutz T4F
37	141535	1	• FITTING, Straight (16 ORBM-10 ORBF)
38	149215	1	• FITTING, 45° (10 JICM - 10 ORBM)
39	163193	2	• CLAMP, Gear 2-1/16" - 3"
40	133222	2	• CLAMP, Gear #32
41	171444	60	• WRAP, Spiral 1" DIA
42	119922	65	• PROTECTIVE TRIM, 1/4-1/2"
43	103870	1	• BOLT, Hex head 3/8"-16 X 1-1/2" Grade 5
44	197229	6	• CLAMP, T-BOLT 2.120DIA - 2.240DIA
45	702120	1	• FITTING, 90° (12 JICM - 12 JICF)

3.22 Cooling Package Style A for 107 HP Engine

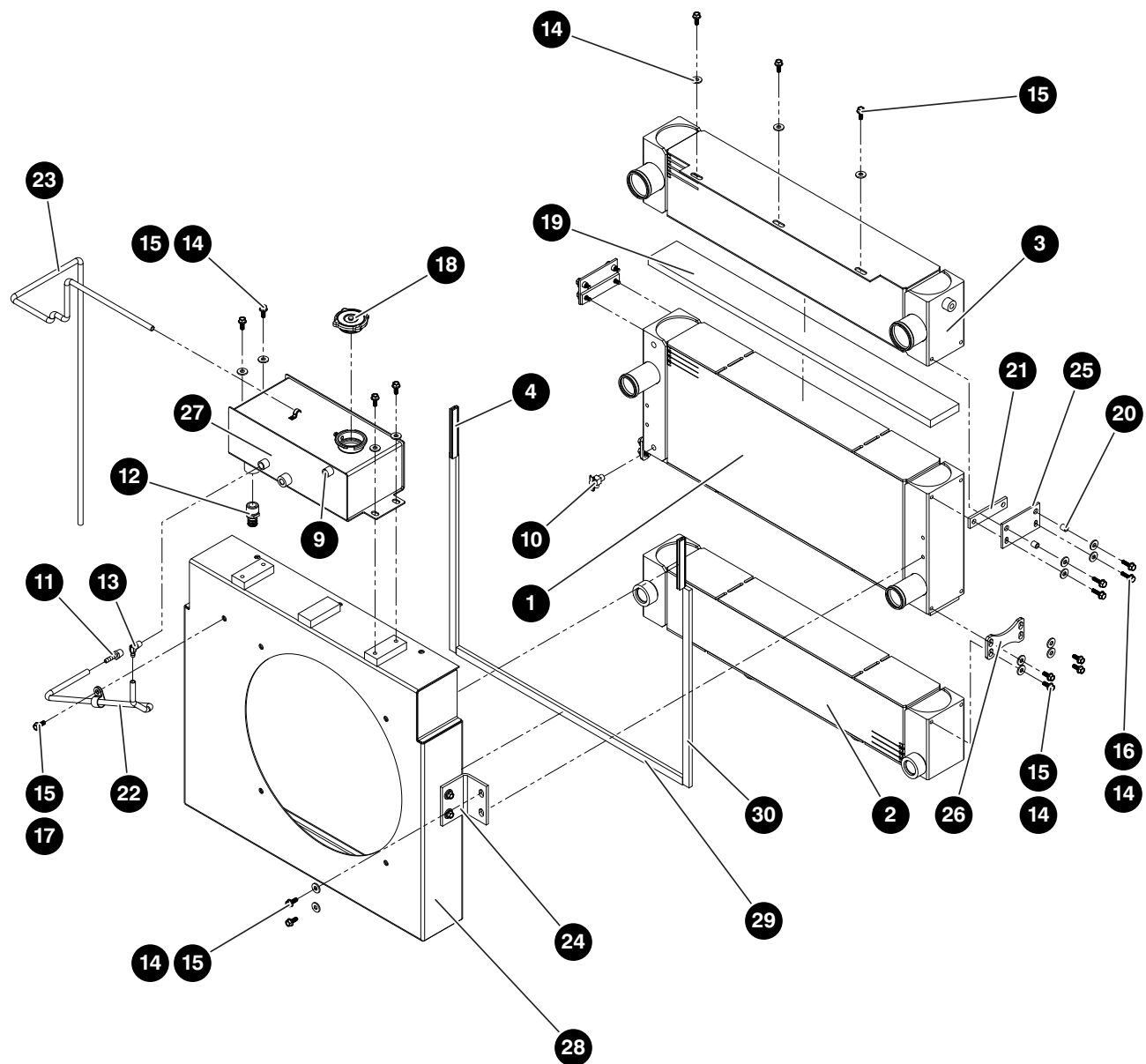


M191200AC

3.22 Cooling Package Style A for 107 HP Engine

Index No.	Skyjack Part No.	Qty.	Description
-	191200	1	ASSEMBLY, COOLER SUBGROUP 3.6L 107 HP
1	(Ref.)	1	ASSEMBLY, Cooler, 3.6 DEUTZ T4F <i>(For components, refer to Section 3.23)</i>
2	190721	1	BRACKET, Cooler mounting - 3.6L
3	197229	3	CLAMP, T-BOLT 2.120DIA-2.240DIA
4	190428	2	ISOLATOR, 46.4MM, , 51.21MM, 1/2-13
5	191844	1	HOSE, Suction - 3.6L
6	160801	1	FITTING, (16 ORBM TO 10 JICM)
7	702122	1	FITTING, (16 ORBM TO 12 JICM)
8	137630	1	FITTING, (10 ORBM TO 10 JICM)
9	702118	1	FITTING, (12 ORBM TO 12 JICM)
10	H321000500	1	HOSE - Transmission to oil cooler
11	H341200700	1	HOSE - Oil cooler to transmission
12	190887	1	REDUCER, 2-1/2" to 1-3/4" charge air hot side
13	163193	4	CLAMP, Gear 2.063" - 3.00"
14	166176	1	FITTING, Hose barb, 1/4" NPTX5/16" hose
15	165739	18	HOSE, Engine vent
16	191285	1	FAN GUARD 18"
17	104379	2	WASHER, Flat 1/2" Hard
18	103887	4	BOLT, Hex head 5/16"-18 x 3/4" Gr. 5
19	103404	4	WASHER, Lock 5/16"
20	600572	2	WASHER, Flat M10-OD 20.0
21	130884	2	WASHER Lock M10-Plated DIN 127B
22	116342	4	CLAMP, HOSE (1/2")
23	103320	2	CLAMP, HOSE (1")
24	164129	2	HUMP HOSE - 2-1/2"ID - 4" long
25	191124	1	CAC TUBE, Cooler to air return
26	191278	1	RADIATOR HOSE, Suction
27	191273	1	RADIATOR HOSE, Thermostat to cooler
28	165058	1	SENSOR, Coolant level
29	190774	1	BAFFLE, 3.6L Deutz T4F
30	933640	2	BOLT, Hex head M10 x 1.5 x 20mm CL 8.8 YE
31	924699	120	WRAP, Spiral
32	103470	2	WASHER, Lock 1/2" Gr. 5
33	123855	2	BOLT, Hex head 1/2"-13 x 2-3/4" Gr. 8
34	125959	9	WASHER, Flat 3/8" Hard
35	103999	9	WASHER, Lock 3/8"
36	101297	9	BOLT, Hex head 3/8"-16 x 1-1/4" Gr. 5
37	191714	1	CAC TUBE, Turbo to cooler
38	190426	1	COUPLING, CAC, 44.45 ID X 70
39	197539	2	PLUG, Snap in for 1-3/8" hole
40	119922	65	PROTECTIVE TRIM, 1/4-1/2"
41	166164	4	WASHER, Flat standard 5/16"
42	149493	5	CLAMP, T-Bolt (2.81-3.09)
43	702120	1	FITTING, 90° (12 JICM - 12 JICF)

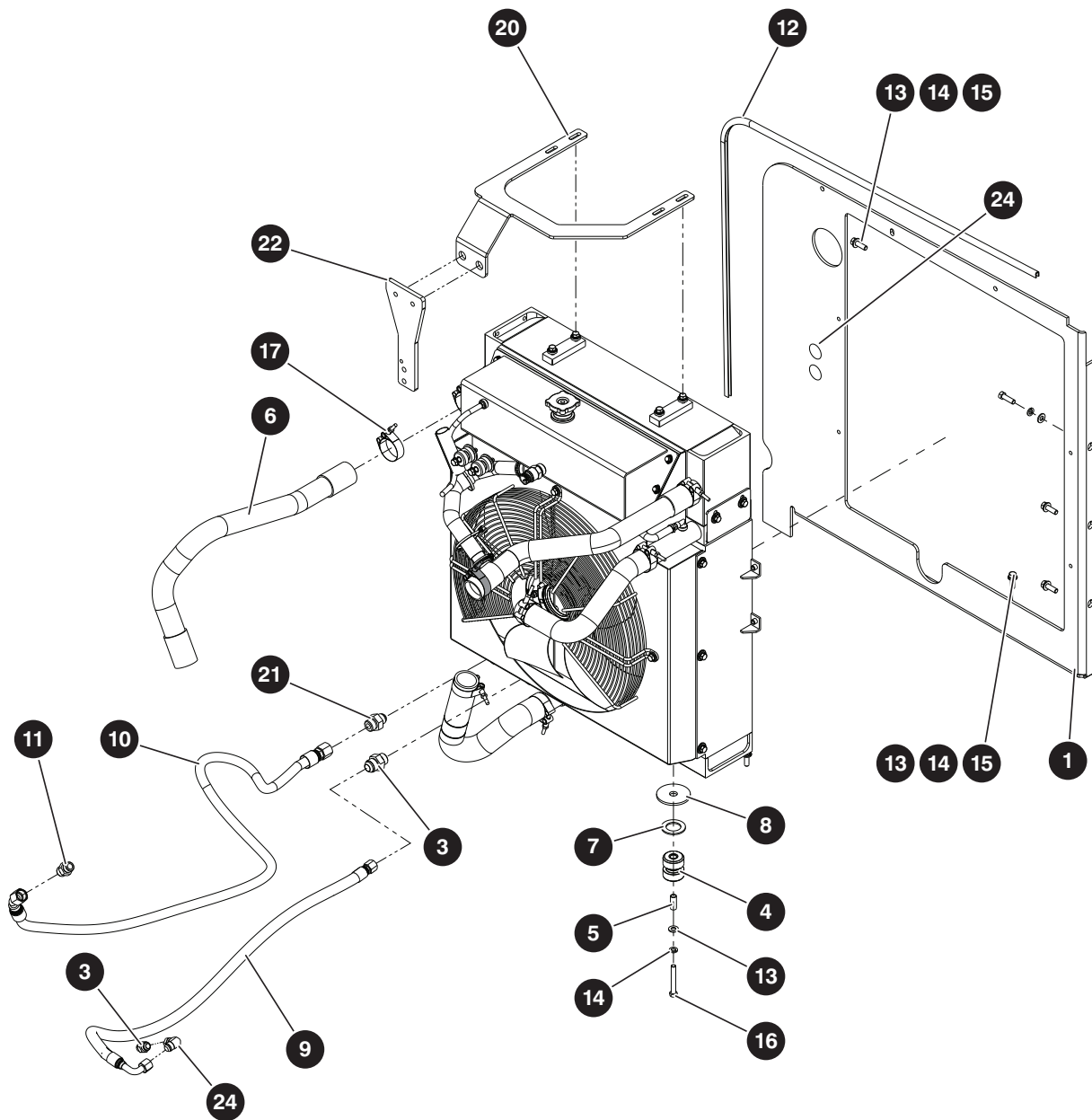
M190683AD



3.23 Cooling Package Style A- Internal Breakdown 3.6L

Index No.	Skyjack Part No.	Qty.	Description
-	190683	1	ASSEMBLY, COOLER 3.6
1	197137	1	• RADIATOR
2	197138	1	• TRANSMISSION OIL COOLER
3	197139	1	• CHARGE AIR COOLER
4	168147	2	• SEAL, LOCKING PROFILE
5	197141	2	• PLUG, Plastic
6	168137	2	• CAP, VINYL PROTECTION
7	168136	2	• CAP, VINYL PROTECTIVE
8	168144	1	• CAP, VINYL PROTECTIVE
9	197142	2	• PLUG, Plastic (Tapered)
10	197143	1	• FITTING, Drain 1/4" NTP x 90d
11	197144	1	• BARB, Hose 1/4" NTP
12	197145	1	• HOSE BARB, 3/4" NTP x 3/4" hose ID
13	197146	1	• HOSE BARB, 90D 5/16" hose x 1/4" NTP
14	197147	31	• WASHER, Flat 5/16" x 7/8" OD Gr. 5
15	197148	24	• BOLT, Hex 5/16"-18 x 3/4" Gr. 5
16	197149	8	• BOLT, Hex 5/16"-18 x 1" Gr. 5
17	197150	1	• CLAMP, Hose 3/4"
18	197151	1	• CAP, Radiator, 15 PSI medium
19	197152	2	• SEALING FOAM
20	197153	4	• BUSHING, 12mm OD x 13 mm long
21	197154	2	• SPACER BLOCK
22	166172	1	• 5/16" ID X 5/8" OD HOSE VENT
23	168135	1	• HOSE, 5/16" ID X 7/16 OD (OVERFLOW)
24	197155	2	• BRACKET, MTG L shape
25	256343	2	• MTG PLATE - 113
26	256344	2	• MTG PLATE - 113 DB
27	197158	1	• SURGE TANK
28	197159	1	• SHROUD
29	197166	1	• FOAM INSULATION 689MM
30	197166	2	• FOAM INSULATION 689MM
31	197140	1	• LABEL, AKG cooler

3.24 Cooling Package Style B



M223215AB

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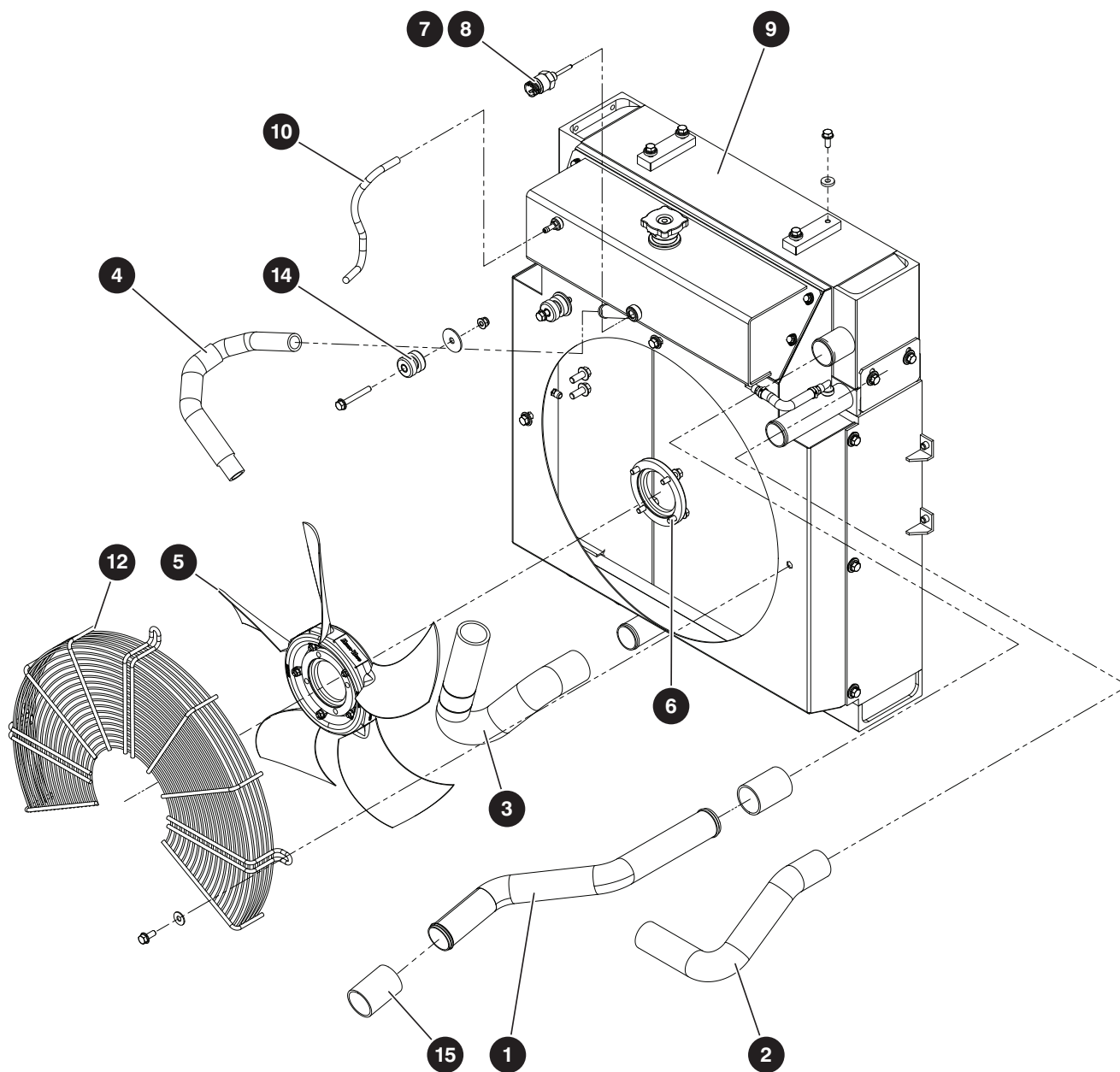
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

3.24 Cooling Package Style B

Index No.	Skyjack Part No.	Qty.	Description
A	223215	1	ASSEMBLY, COOLER SUBGROUP DEUTZ 3.6L 74 HP
B	223523	1	ASSEMBLY, COOLER SUBGROUP DEUTZ 3.6L 107 HP
1	223529	1	• BAFFLE, 3.6L DEUTZ T4F
2	223217	1	• DEUTZ COOLING PACKAGE – TCD 3.6- 74 HP - A (For components, refer to Section 3.25)
-	223524	1	• DEUTZ COOLING PACKAGE – TCD 3.6- 107 HP - B (For components, refer to Section 3.25)
3	702118	2	• FITTING, 12 ORBM TO 12 JICM
4	190428	2	• ISOLATOR, 46.4MM, , 51.21MM, 1/2-13
5	223209	2	• SLEEVE, 0.502" OD X 0.375" ID
6	223526	1	• CAC TUBE ASSEMBLY
7	158681	2	• WASHER FLAT 1.25 HARD
8	190889	2	• WASHER, REBOUND
9	H341200700	1	• HOSE - OIL COOLER TO TRANSMISSION
10	H321000500	1	• HOSE - TRANSMISSION TO OIL COOLER
11	137630	1	• FITTING, 10 ORBM TO 10 JICM
12	119922	65	• PROTECTIVE TRIM, 1/4-1/2"
13	125959	10	• WASHER FLAT 0.375 HARD
14	103999	10	• WASHER, LOCK 0.375
15	101297	8	• BOLT-HEX HD/ZINC (.38-16 X 1.25 / GR5)
16	103874	2	• BOLT, HXHD 0.375-16 X 2.750 GR5
17	197229	12	• CLAMP, T-BOLT 2.120DIA-2.240DIA -
18	103320	2	• CLAMP - GEAR (SAE NO. 16 -)
19	924699	120	• SPIRAL WRAP
20	223213	1	• BRACKET, RADIATOR MOUNT
21	137490	1	• FITTING, 12 ORBM TO 10 JICM - A
	167222	1	• FITTING, 12 ORBM TO 10 JICM - B
22	223216	1	• PLATE, RADIATOR SUPPORT
23	148368	96	• FOAM SEAL - #1441 (2" X 2") (not shown)
24	702120	1	• FITTING, 90° (12 JICM - 12 JICF)

3.25 Cooling Package Style B - Internal Breakdown

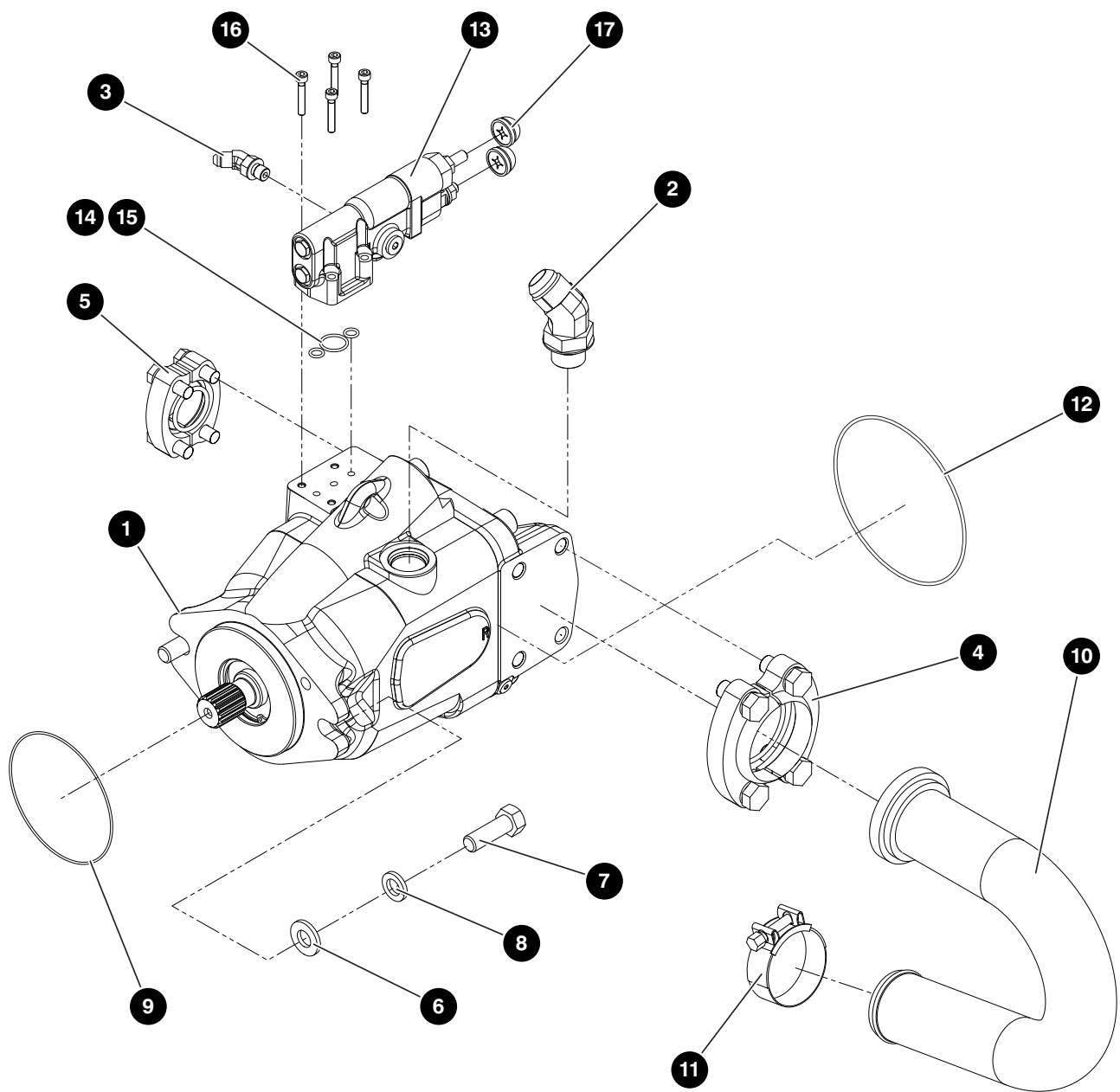


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3.25 Cooling Package Style B - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
A	223217	1	COOLING PACKAGE STYLE B FOR 74 HP ENGINE
B	223524	1	COOLING PACKAGE STYLE B FOR 107 HP ENGINE
1	223659	1	Upper CAC Molded Tube - A
-	223665	1	Upper CAC Molded Tube - B
2	223668	1	Hose, coolant, upper
3	223669	1	Hose, coolant, lower
4	223670	1	Hose, compensation
5	223680	1	Fan, 5 Blade, Suction - A
	223661	1	Fan, 10 Blade, Suction - B
6	223658	1	Fan Spacer, 10MM
7	223674	1	LEVEL SWITCH
8	223673	1	SEALING RING
9	223667	1	Cooling package
10	223662	1	Hose, 5/16"
11	223666	1	Protective sleeve 1.22 dia. ID (Not shown)
12	223675	1	Wire fan guard, loose
13	223657	1	Foil Heat Cable Wrap, 1"Dia. 1" Length (Not Shown)
14	223664	2	Mount, isolator
15	223671	2	Sleeve, Connecting, 1-3/4"x4" - A

3.26 Powershift Transmission Hydraulic Pump



M191205AC

191205

3.26 Powershift Transmission Hydraulic Pump

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Look for the name Eaton or Hengli on the side of the hydraulic pump.
1A	255751	1	PUMP - Hengli
1B	190263	1	PUMP - Eaton
-	160638	1	• KIT, Seal, B
2	257381	1	FITTING, 90° (10 ORBM - 12 JICM), A
	131707	1	FITTING, 45° (12 JICM - 12 ORBM), B
3	131716	1	FITTING, 45° (04 JICM - 04 ORBM)
4	932906	1	ADAPTER
5	930923	1	FLANGE, Split
6	104379	2	WASHER, Flat 1/2" hard
7	103907	2	BOLT, Hex head 1/2"-13 X 1-1/2" grade 5
8	103470	2	WASHER, Lock 1/2" grade 5
9	159878	1	O-RING, 2-045
10	190888	1	TUBE, Suction #32
11	191846	1	CLAMP, Hose Milkalor 563
12	196903	1	O-ring (End Pilot Cover), B
13	196918	1	Compensator Kit, B
14	196919	2	• O-ring (Compensator/Housing)
15	196920	1	• O-ring (Secondary Compensator/Housing)
16	196921	4	• Screw, Cap (Compensator Mounting)
17	196933	1	• Cover, Tamper Proof (Compensator Adj. Screws)

 **Notes**

Section 4 – Operator's Compartment

4.1 *Cab Installation*

4.2 *Open Cab*

4.3 *Open Cab Side Window*

4.4 *Right Hand Console*

4.5 *Joystick Control*

4.6 *Premium Joystick*

4.7 *Front Console*

4.8 *LH Dash Panel*

4.10 *Flip Chart*

4.11 *RH Dash Panel*

4.12 *Steering Console*

4.13 *Main Relay*

4.14 *Fuse and Power*

4.15 *Relay RH*

4.16 *Enclosed Cab*

4.17 *Door Assembly*

4.18 *Door Window Assembly*

4.19 *Cab with Heat Installation 74 HP*

4.20 *Cab Heater System*

4.21 *Cab A/C System*

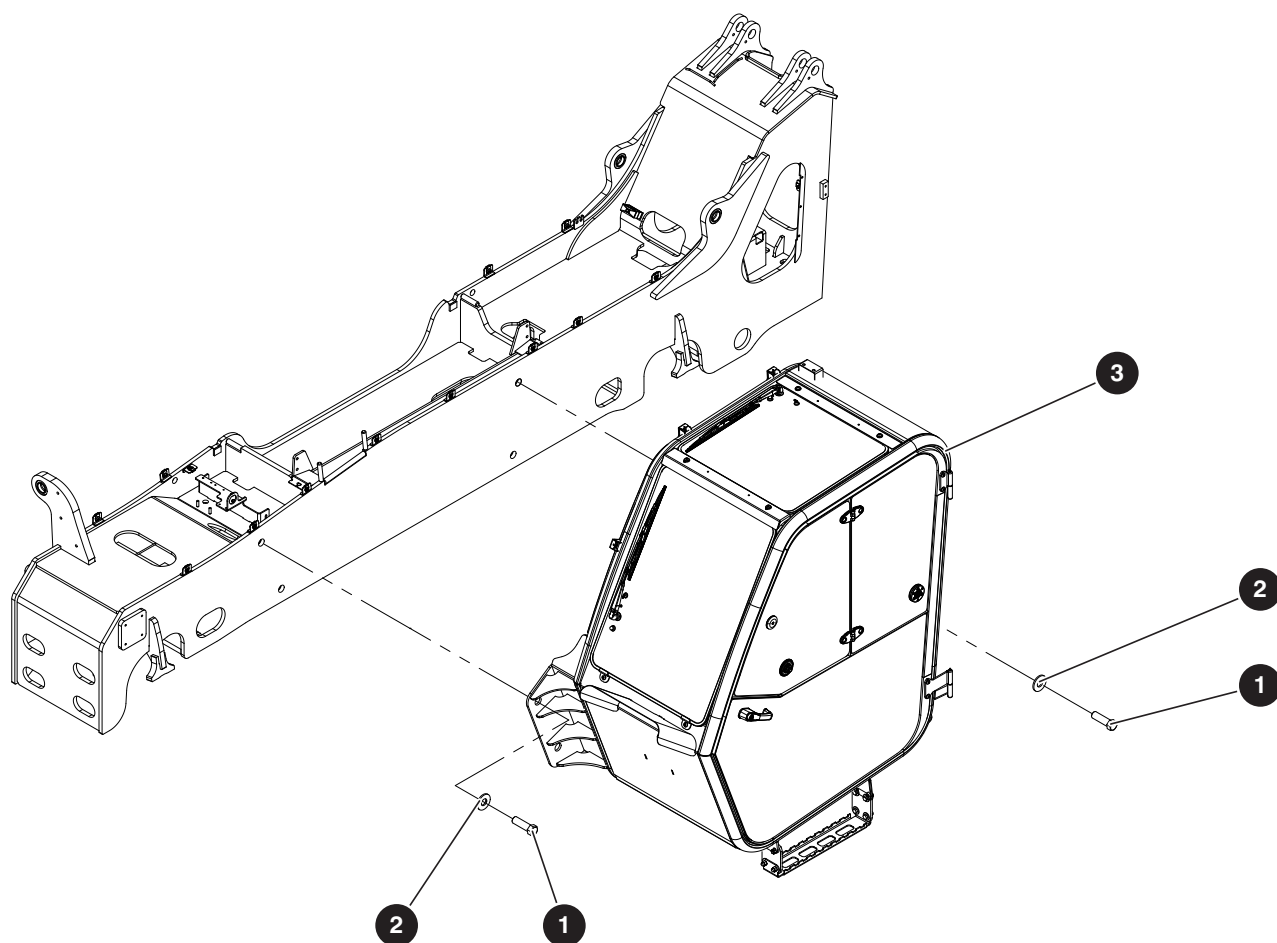
4.22 *A/C Compressor*

4.23 *A/C Condenser*

4.24 *A/C Harness*

4.25 *A/C and Heater Harness*

4.1 Cab Installation



M191788AA-2

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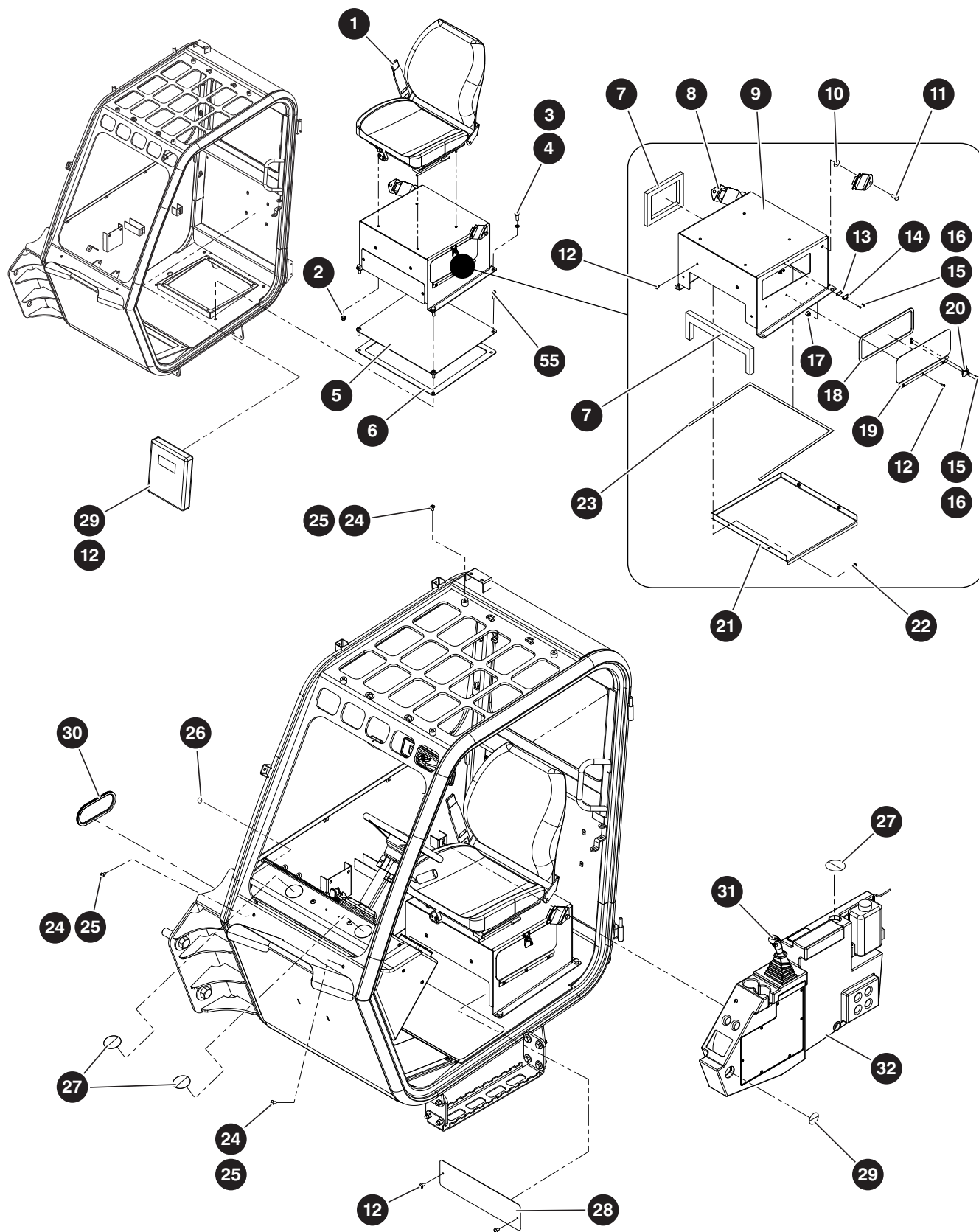
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

4.1 Cab Installation

Index No.	Skyjack Part No.	Qty.	Description
A	191788	1	OPEN CAB SUBGROUP - 74 HP
B	191789	1	ENCLOSED CAB SUBGROUP - 74 HP
C	197660	1	OPEN CAB SUBGROUP - 107 HP
D	197661	1	ENCLOSED CAB SUBGROUP - 107 HP
1	191783	4	• BOLT, Hex head 1-1/4"-7 x 4" Gr. 8
2	923687	4	• WASHER, Flat - 1-5/16"ID x 3" OD x 1/4" Hard
3	(Ref.)	1	• ASSEMBLY, Open cab rops & fops - A (For components, refer to Section 4.2)
4	(Ref.)	1	• ASSEMBLY, Enclosed cab - B (For components, refer to Section 4.16)
5	(Ref.)	1	• ASSEMBLY, Open cab rops & fops - C (For components, refer to Section 4.2)
6	(Ref.)	1	• ASSEMBLY, Enclosed cab - D (For components, refer to Section 4.16)

4.2 Open Cab



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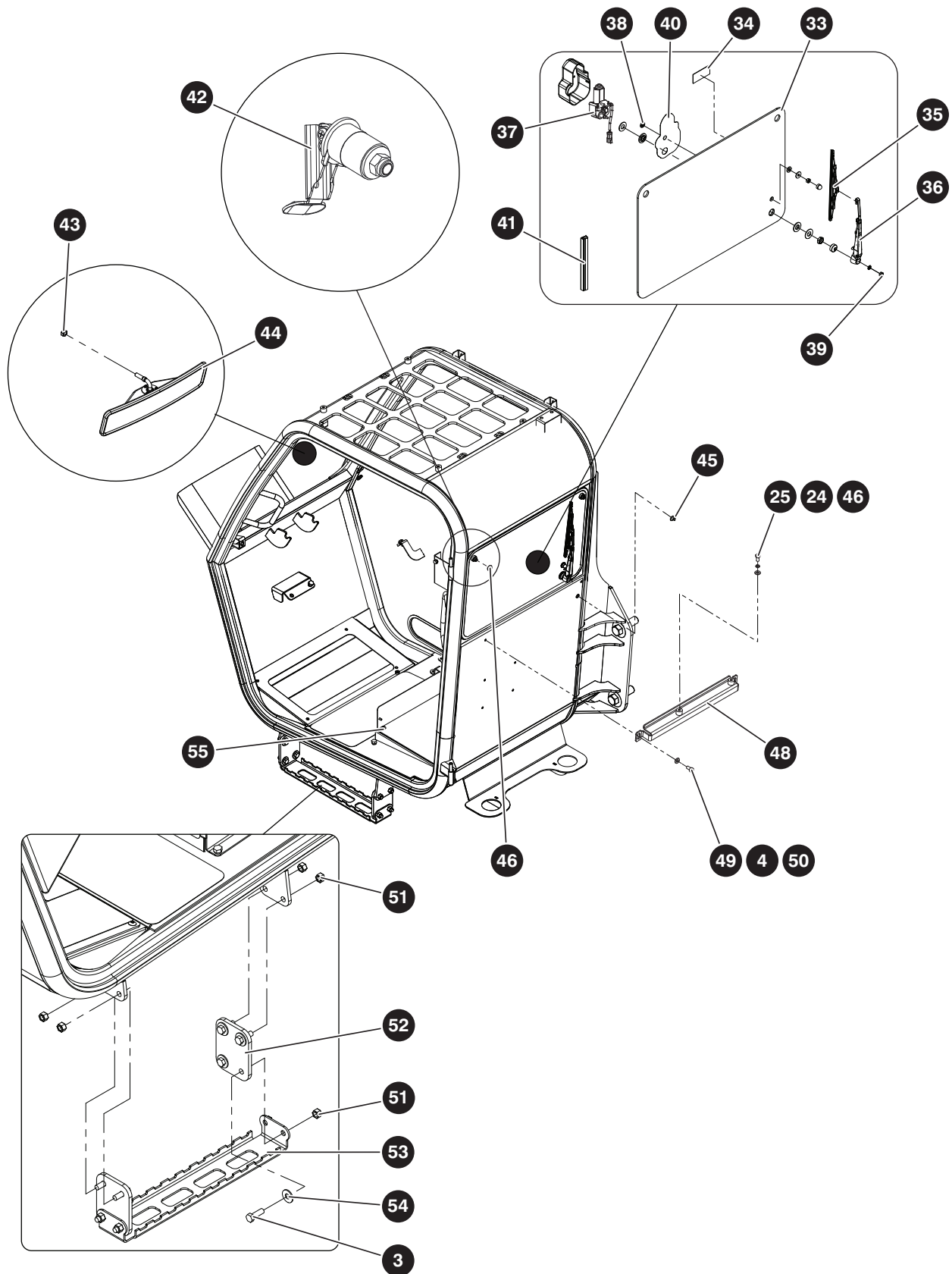
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

4.2 Open Cab

Index No.	Skyjack Part No.	Qty.	Description
A	191777	1	ASSEMBLY, OPEN CAB ROPS & FOPS - 74 HP
B	191936		ASSEMBLY, OPEN CAB ROPS & FOPS - 107 HP
1	235139	1	• SEAT, Criad
-	207639	1	• • BELT, Seat (not shown)
-	224575	1	• • KNOB, Adjuster (not shown)
-	260506	1	• • BACK, Seat (not shown)
-	260507	1	• • BASE, Seat (not shown)
2	191574	7	• NUT, Hex 3/8"-16 NC SER flanged
3	103907	12	• SCREW, Hex head cap 1/2"-13 NC X 1-1/2" Gr. 5
4	103470	10	• WASHER, Lock, hel spring, 1/2"
5	191569	1	• COVER PANEL, NON-HVAC
6	191524	1	• GASKET, Foam seal
-	191580	1	• ASSEMBLY, SEAT RISER
7	191518	1	• • FOAM SEAL, Soft psa
8	191564	2	• • TETHER, Seat belt
9	191502	1	• • WELDMENT
10	119313	2	• • WASHER, Flat 7/16" type A
11	191531	2	• • SCREW, Hex head 7/16" - 14 NC X 1" Gr. 5
12	235133	13	• • SCREW, Machine 1/4"-20 NC X 5/8" torx
13	191563	1	• • LATCH, Padlockable
14	191747	1	• • SPACER, Catch latch
15	191753	4	• • SCREW, Phillips TMS 6-32 UNC X 1/2" SS
16	924972	4	• • NUT, Lock with nylon insert # 6
-	191587	1	• • ASSEMBLY, Tool door
17	191534	2	• • • NUT, Hex, Lock with nylon insert 7/16" - 14 NC
18	191518	1	• • • SEAL, Foam PSA
19	191506	1	• • • WELDMENT, Tool door
20	191562	1	• • • LATCH, Lockable
21	191539	1	• • PANEL, Tool shelf
22	168208	7	• • NUT, Hex 1/4" - 20 NC
23	191547	1	• • SEAL, Rubber 31 X 1/2"
24	103999	10	• WASHER, Lock, hel spring, 3/8"
25	191542	12	• SCREW, Machine 3/8"-16 NC x 3/4" BH Torx
26	191515	3	• PLUG, Hole 1"
27	191514	4	• PLUG, Hole 2-1/2"
28	191744	1	• PANEL, Seat Riser
29	198789	1	• MANUAL BOX
30	191511	1	• TRIM, Edge
31	(Ref.)	1	ASSEMBLY, Joystick <i>(For components, refer to Section 4.5)</i>
32	(Ref.)	1	ASSEMBLY, Right hand console <i>(For components, refer to Section 4.4)</i>
			Parts List continued in following page

4.2 Open Cab

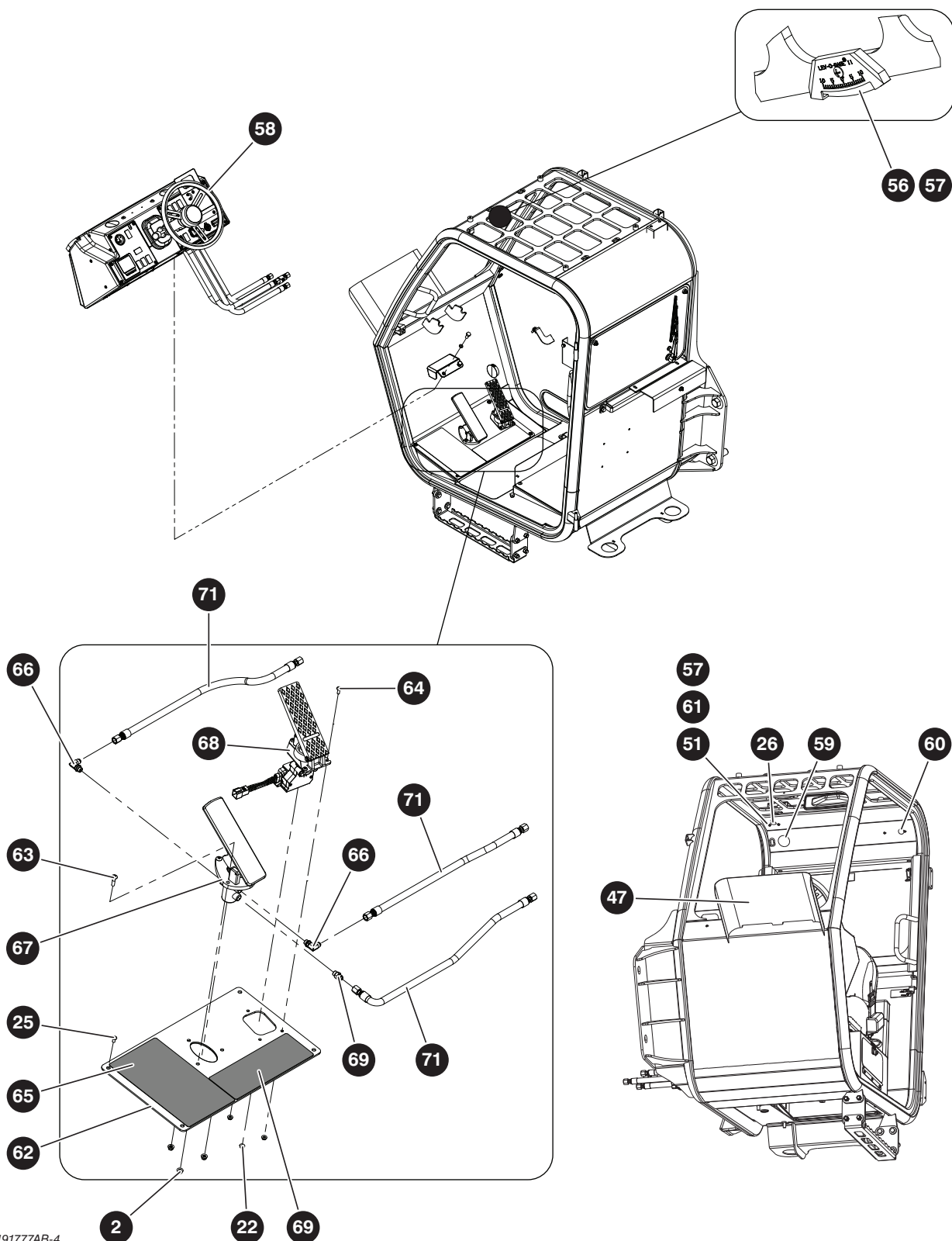


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4.2 Open Cab

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
-	191590	1	• ASSEMBLY, REAR WINDOW WITH WIPER
33	191530	1	• • WINDOW, Rear
34	191553	1	• • DECAL, Emergency exit
35	191554	1	• • WIPER, Blade. 300 mm
36	191555	1	• • WIPER, Arm 260 mm
37	191556	1	• • WIPER, Motor LH park
38	191557	1	• • MOUNT, M8 hardware
39	191558	1	• • MOUNT, M16 hardware
40	191559	1	• • WIPER, Window sticker
41	191566	1	• • SEAL, Bubble 90° rear
42	204288	2	• LATCH, Swell anchor
43	933625	1	• NUT, HEX, M8 X 1.25, DIN 934
44	191521	1	• MIRROR HEAD, Stud mount
45	191525	1	• FITTING, Wiper hose
46	103472	6	• WASHER, Flat 3/8" Type A ,W SER
47	232518	1	• PLATE, Fender
48	191932	1	• WELDMENT, Retainer, fuel tank
49	103911	2	• SCREW, Hex head cap 1/2"-13 NC X 1" Gr. 5
50	191536	2	• WASHER, Flat 1/2" type A,N SER
-	191581	1	• ASSEMBLY, STEP
51	702507	11	• • NUT, Lock hex 1/2"- 13 NC
52	191526	2	• • BELTING, Step bar
53	191745	1	• • PANEL, Step
54	137241	8	• • WASHER, Flat 1/2" type A,W SER
55	191677	4	• SCREW, Machine 5/16"-18 NC x 1/2" TH Torx
			Part list continued in following page

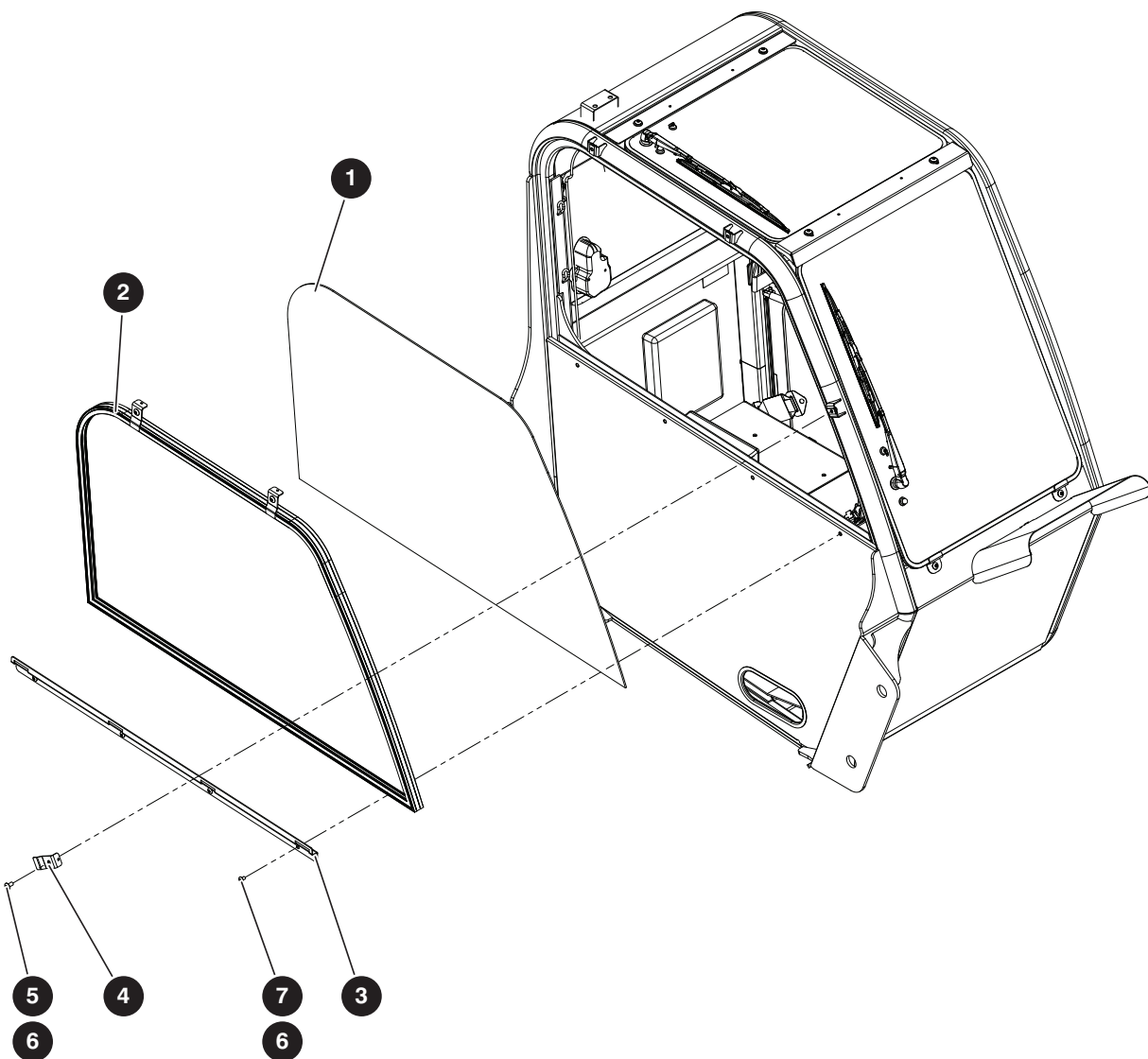
4.2 Open Cab



4.2 Open Cab

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
56	928355	1	• LEVEL INDICATOR
57	138834	4	• SCREW, Machine #10-24 NC X 3/4" philips
58	(Ref.)	1	• ASSEMBLY, Dash front - 74 HP - A (For components, refer to Section 4.7) • ASSEMBLY, Dash front - 107 HP - B (For components, refer to Section 4.7)
59	191512	1	• HOLE PLUG, Plastic, 2.09" DIA
60	103957	2	• SCREW, Machine #8-32 NC x 1/2" philips
61	104185	3	• WASHER, Lock, hel spring, 3/16"
-	191582	1	• ASSEMBLY, FLOOR PEDALS
62	191746	1	• • PLATE, Pedal mounting
63	235136	3	• • SCREW, Machine, 5/16"-18 NC x 1-1/4" TH TRX
64	235133	3	• • SCREW, Machine 1/4"-20 NC X 5/8" torx
65	191529	1	• • TAPE, Anti-skid PSA
66	114578	2	• • FITTING, 90° (06 JICM - 06 ORBM)
67	926370	1	• • BRAKE PEDAL, Hydraulic
68	152201	1	• • PEDAL,Throttle
69	191546	1	• • TAPE, Anti-ski d psa
70	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



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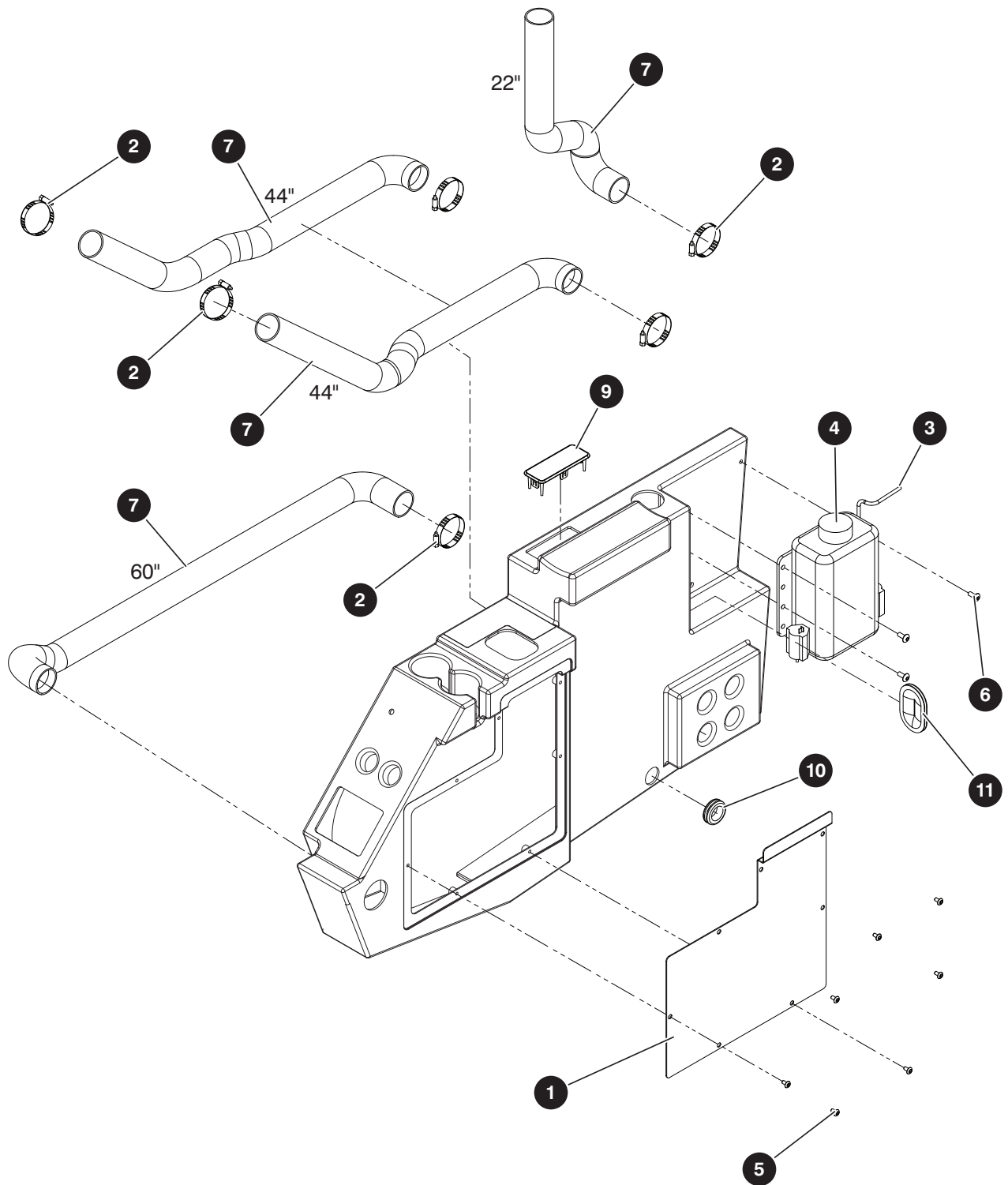
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SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

4.3 Open Cab Side Window

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

4.4 Right Hand Console

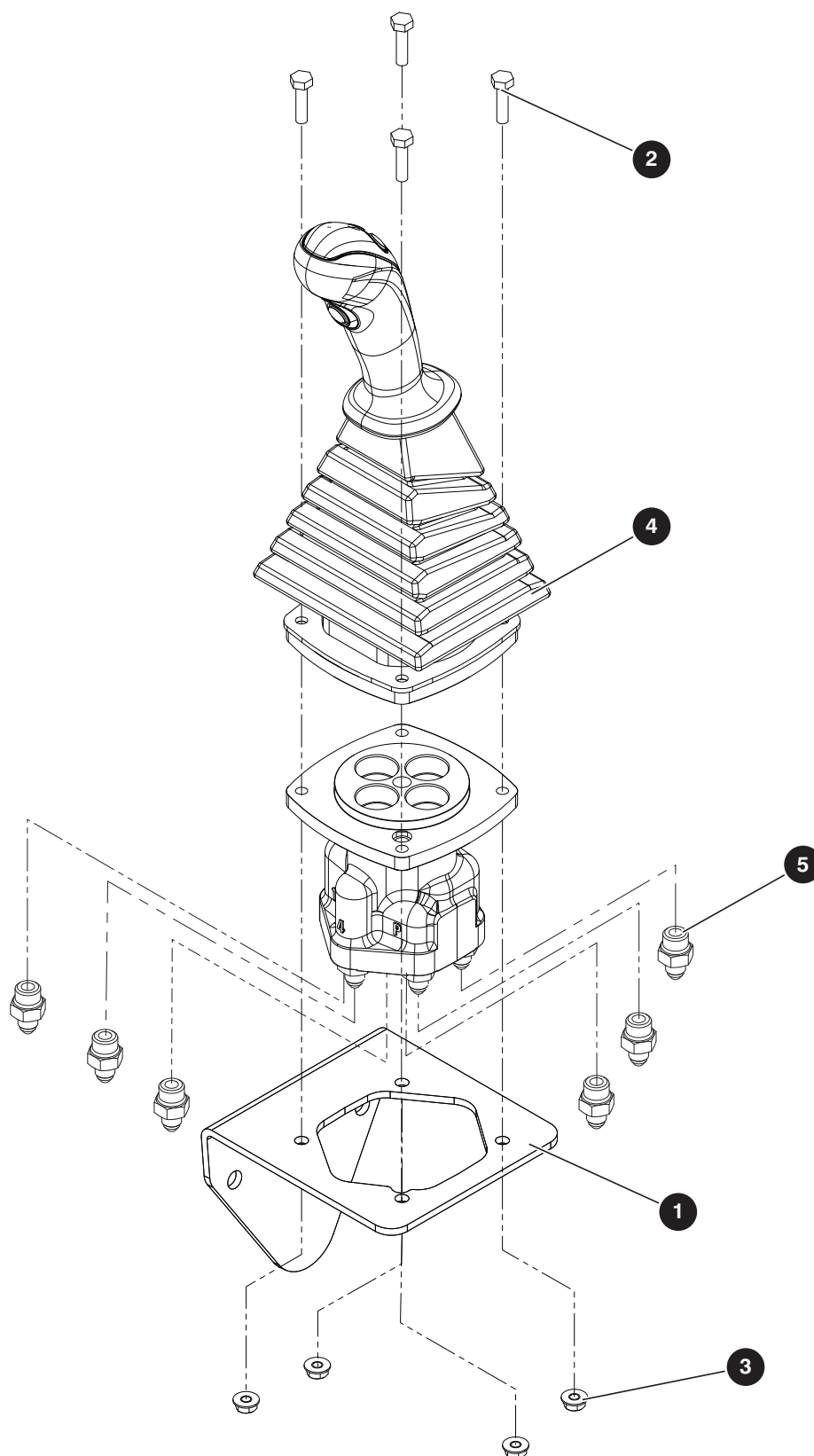


M191584AD

4.4 Right Hand Console

Index No.	Skyjack Part No.	Qty.	Description
-	191584	1	ASSEMBLY, CONSOLE RH
1	191578	1	• PANEL, Cover
2	191532	6	• CLAMP, Hose, #40 2-1/16" - 3"
3	191510	1	• WASHER, Hose (12")
4	191513	1	• KIT, Windshield washer, 12V 4QT
5	235133	7	• SCREW, Machine 1/4"-20 NC X 5/8" torx
6	235136	3	• SCREW, Machine, 5/16"-18 NC x 1-1/4" TH TRX
7	191523	A/R	• HOSE, Air duct, 2" ID
8	191527	1	• PLASTIC, Molded RH console
9	191492	1	• HOLE PLUG, HVAC Controller
10	191748	2	• GROMMET, 125 ID X 1-1/2" hole
11	205875	1	• SEAL, Flat Clip-on 1-1/4" x 11-1/2"

4.5 Joystick Control

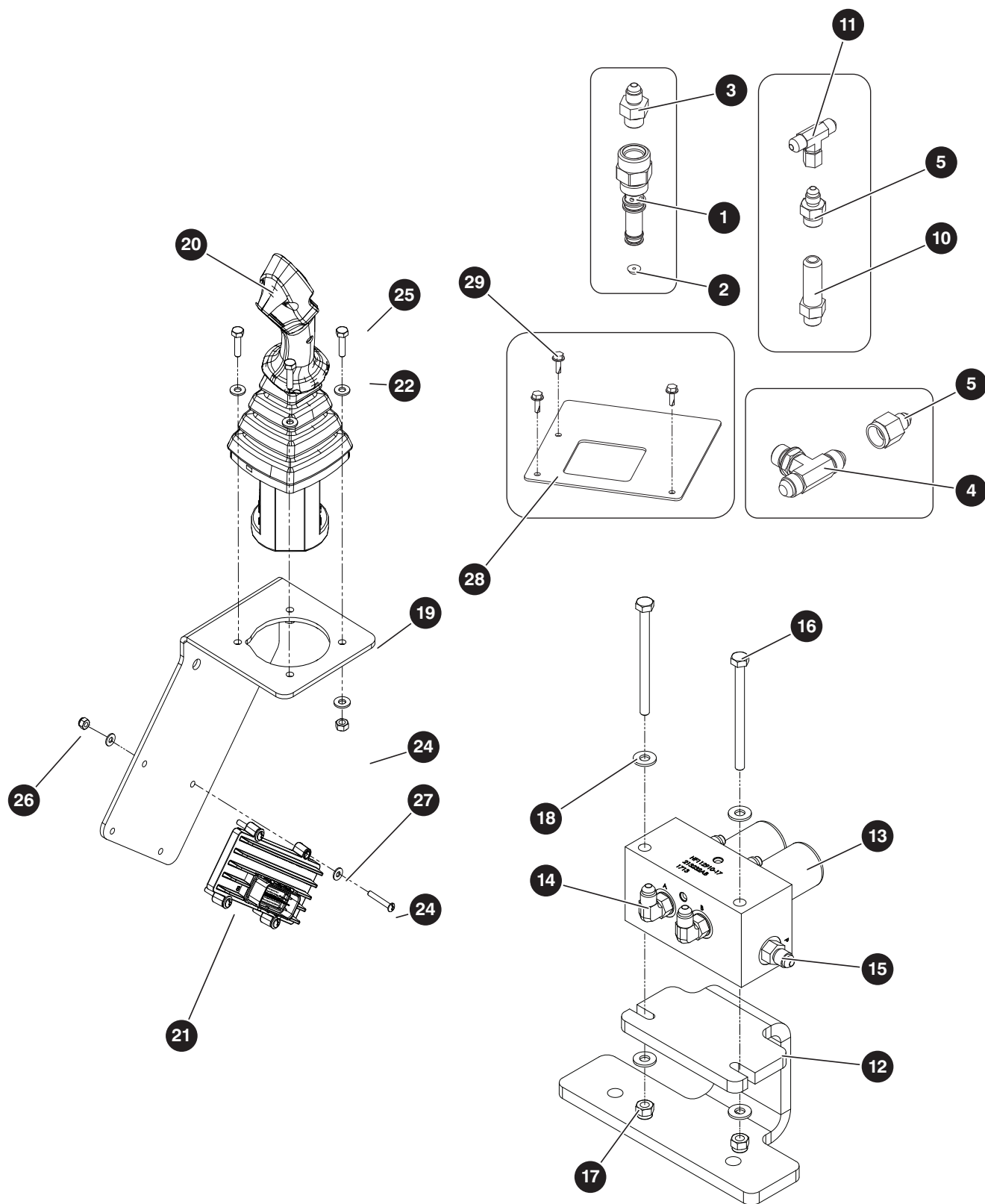


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4.5 Joystick Control

Index No.	Skyjack Part No.	Qty.	Description
-	191586	1	ASSEMBLY, JOYSTICK
1	191743	1	• PANEL, Inner joystick
2	103857	4	• SCREW, Hex head 1/4"-20 NC x 1" Gr. 5
3	168208	4	• NUT, Hex 1/4"-20 NC serrated flange
4	256465	1	• JOYSTICK, Hydraulic
-	(Ref.)	-	JOYSTICK HOSES <i>(For components, refer to Section 9.16)</i>
5	701956	6	FITTING, (06 ORBM x 04 JICM)

4.6 Premium Joystick

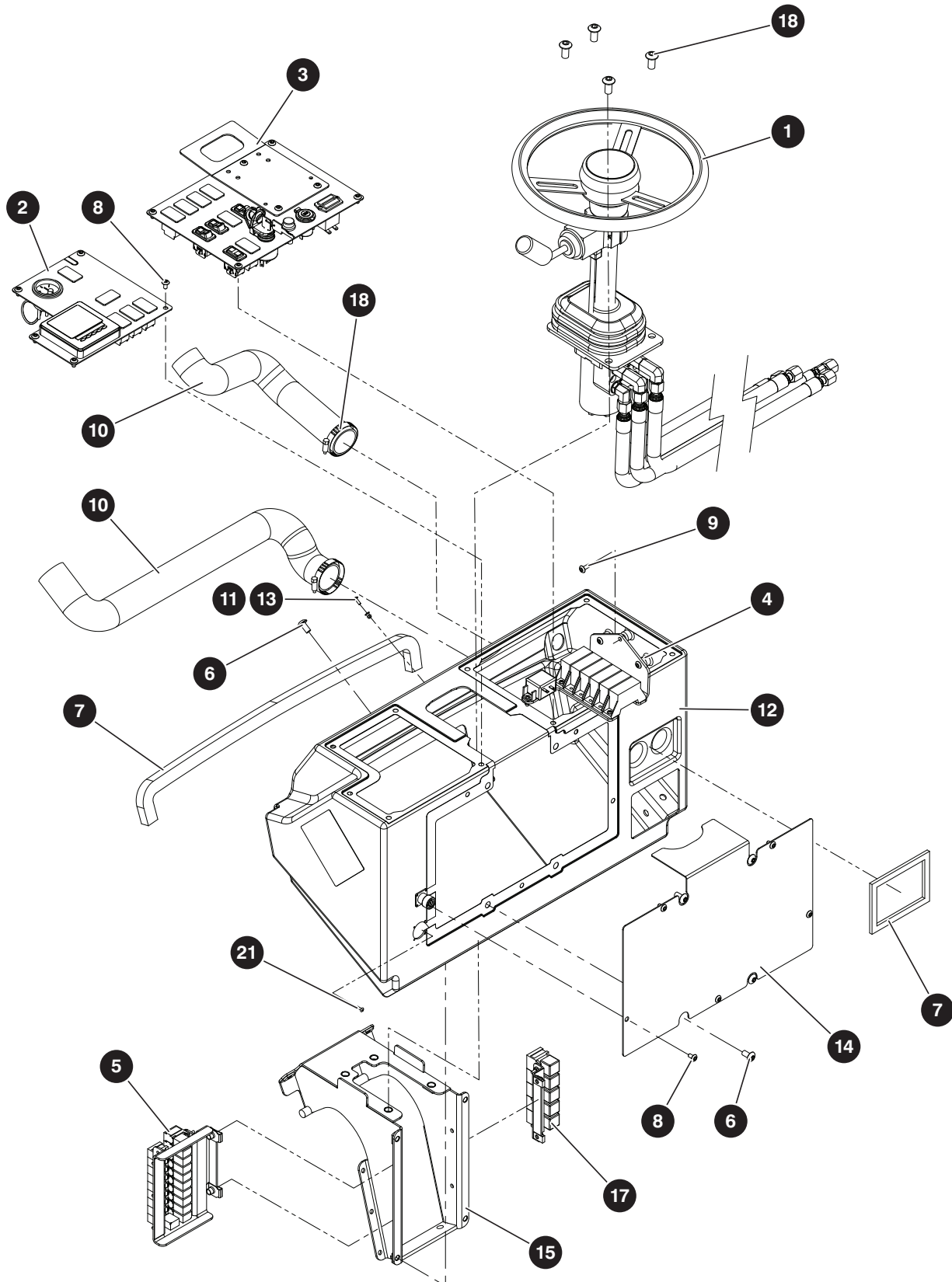


M236289AA

4.6 Premium Joystick

Index No.	Skyjack Part No.	Qty.	Description
-	236299	1	PREMIUM JOYSTICK
-	213748	1	• KIT, Hydraulic modification premium joystick
1	213225	2	• • VALVE, Cartridge
2	213227	2	• • FITTING, Orifice disc, blank
3	701956	2	• • FITTING, 06 SAE to - 04 JIC
4	114579	1	• • FITTING, Fitting-br tee (06 JICM - 06 JICM - 06 ORBM)
5	707041	2	• • FITTING, Straight (06 JICF - 04 JICM)
-	213750	1	• • HOSE ASSEMBLY, Premium joystick kit
6	H340400140	1	• • • HOSE, Port A to Carriage up (Not shown)
7	H340400140	1	• • • HOSE, Port B to Carriage down (Not shown)
8	H340400240	1	• • • HOSE, Port P to Main manifold GP2 (Not shown)
9	H340400200	1	• • • HOSE, Port D to Main manifold DR1 (Not shown)
10	146997	1	• • FITTING, 06 SAE to 06 JIC, long
11	160792	1	• • FITTING, BR Tee - 04 JICM - 04 JICM - 04 JICF
-	213224	1	• ASSEMBLY, Carriage manifold
12	213223	1	• • PLATE, Manifold clamp
-	213749	1	• • ASSEMBLY, Carriage manifold
13	213232	1	• • • MANIFOLD, Dual elec-hyd
	213997	2	• • • COIL, Drop in 12VDC (Not shown)
14	125883	2	• • • FITTING, 90 DEG (04 JICM - 04 ORBM)
15	126128	2	• • • FITTING, 4 SAE to -4 JIC
16	103863	2	• • BOLT, Hex head 1/4"-20 x 3-1/2" Gr5
17	115649	2	• • NUT, LOCK with nylon insert 1/4"-20 Gr5
18	103995	4	• • WASHER, Flat 1/4"
-	236289	1	• ASSEMBLY, Premium joystick
19	236287	1	• • BRACKET, Joystick
20	922265	1	• • JOYSTICK, Single control
21	236288	1	• • DRIVER, Valve, single joystick
22	103995	8	• • WASHER, Flat 1/4"
23	103980	4	• • NUT, Hex head 1/4"-20 Gr8
24	103857	4	• • BOLT, Hex head 1/4"-20 x 1" Gr5
25	103961	4	• • SCREW, Round head machine 10-24 x 5/4"
26	126642	4	• • NUT, Lock 10-24 Gr5
27	104694	8	• • Washer Flat #10
28	213747	1	• PLATE, Label
29	103632	3	• BOLT, Hex head, Self tapping 1/4"-14 x 3/4"
30	172648	1	• LABEL, Premium joystick (Not shown)
31	236290	1	• HARNESS, Premium joystick for th (Not shown)
32	241916	1	• INSTRUCTIONS, Premium joystick kit (Not shown)
29	213747	1	• PLATE, Label
30	103632	3	• BOLT, Hex head, Self tapping 1/4"-14 x 3/4"
31	172648	1	• LABEL, Premium joystick (Not shown)
32	236290	1	• HARNESS, Premium joystick for th (Not shown)
33	241916	1	• INSTRUCTIONS, Premium joystick kit (Not shown)

4.7 Front Console

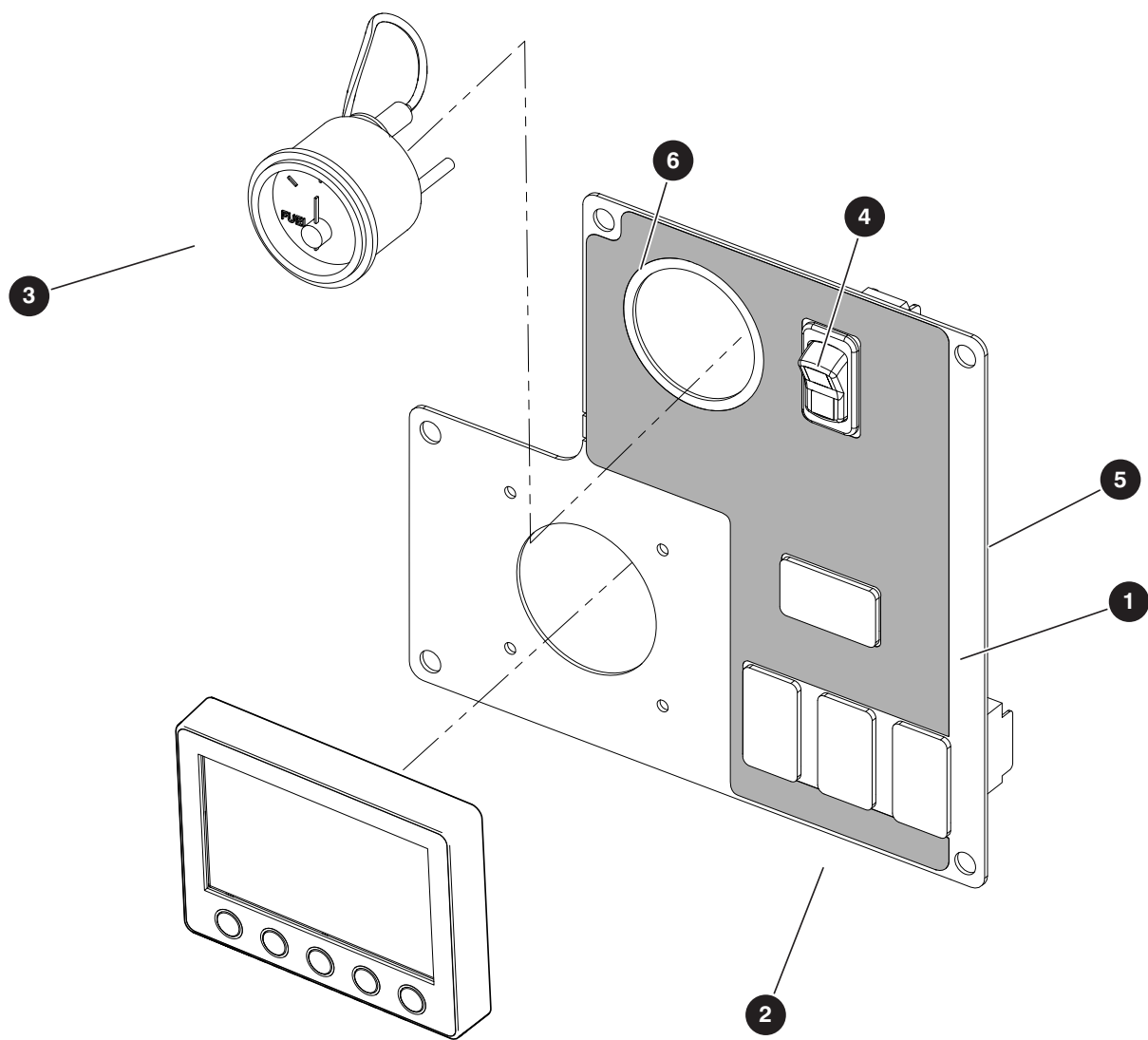


M220107AD

4.7 Front Console

Index No.	Skyjack Part No.	Qty.	Description
A	220107	1	ASSEMBLY, DASH FRONT 74 HP
B	220108	1	ASSEMBLY, DASH FRONT 107HP
1	(Ref).	1	ASSEMBLY, Steering console <i>(For components, refer to Section 4.12)</i>
2	(Ref).	1	ASSEMBLY, LH dash panel <i>(For components, refer to Section 4.8)</i>
3	(Ref).	1	ASSEMBLY, RH dash panel <i>(For components, refer to Section 4.11)</i>
4	(Ref).	1	ASSEMBLY, Fuse and power <i>(For components, refer to Section 4.14)</i>
5	(Ref).	1	ASSEMBLY, RELAY MAIN COMMON <i>(For components, refer to Section 4.15)</i>
6	235134	6	SCREW, Machine 3/8" 16 nc x 3/4" bh tor x , A
-	191542	6	SCREW, Machine 3/8" 16 nc x 3/4" bh tor x, B
7	191518	2	FOAM SEAL
8	235133	21	SCREW, Machine 1/4" 20 NC x 5/8" TH TOR X , A
-	191537	21	SCREW, Machine 1/4" 20 NC x 5/8" TH TOR X , B
9	191753	4	PHIL TMS 6-32 UNC X 0.50 SS
10	191523	2	HOSE DUCT, 2
11	191575	2	PHIL TMS , 8 32 UNC x 1/2" - 18 BS
12	220106	1	DASH PANEL, Plastic
13	191545	2	NUTSERT
14	191570	1	PLATE, Dash cover
15	191519	1	WELDMENT, Steering
16	191532	2	CLAMP, HOSE, #40 2 - 1/16" - 3"
17	191941	1	ASSEMBLY, Relay RH 107 HP
18	191538	4	SCREW, Machine 1/2" 13 nc x 1" bh soc

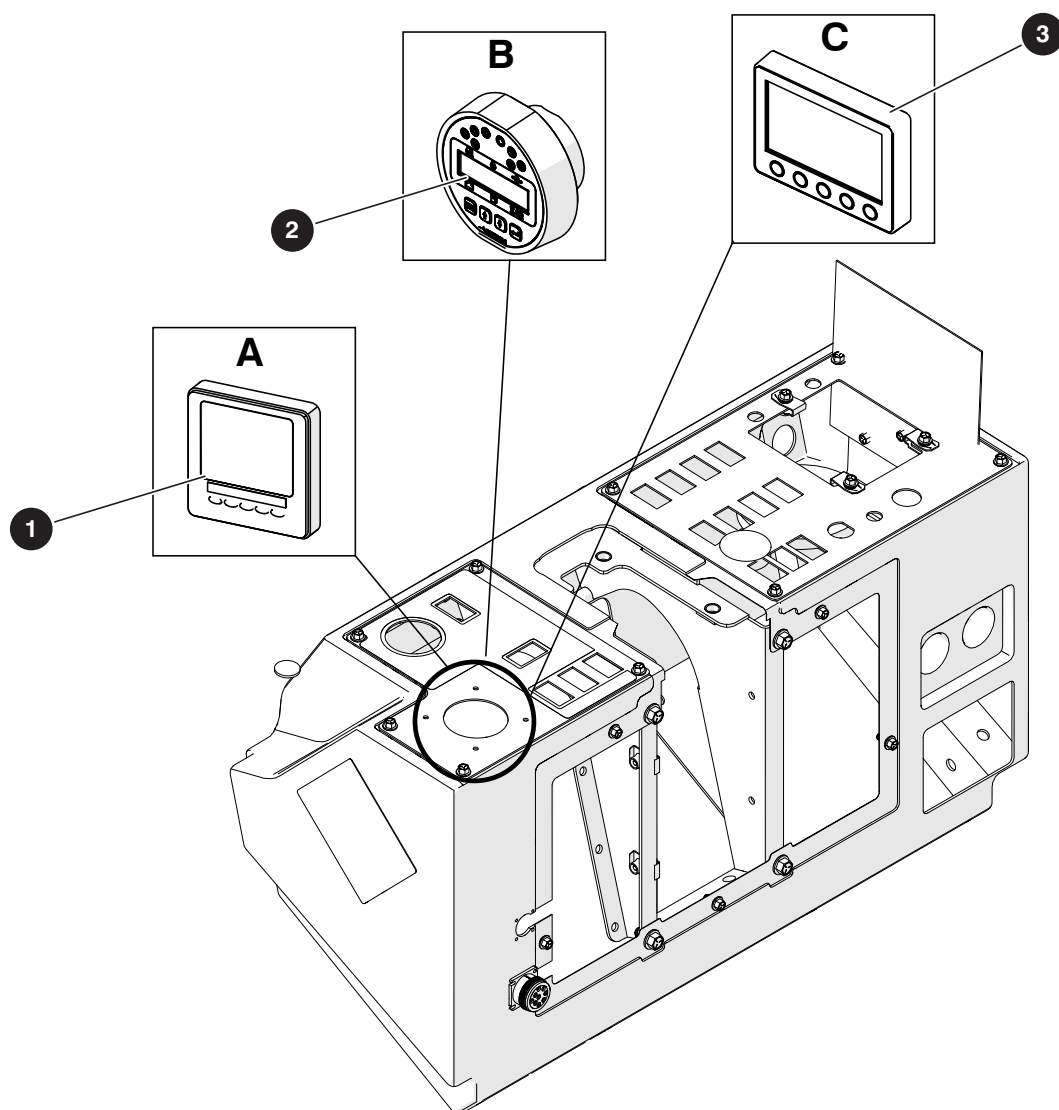
4.8 LH Dash Panel



M244224AA

Index No.	Skyjack Part No.	Qty.	Description
-	244224	1	ASSEMBLY, LH DASH PANEL 107HP
1	244218	1	• PANEL, LH console
2	920689	4	• PLUG, Blank plug
3	407726	1	• GAUGE, Fuel
4	191456	1	• SWITCH, Stand Still
5	205864	1	• GASKET, LH panel
6	174163	1	• LABEL, Left side dash panel

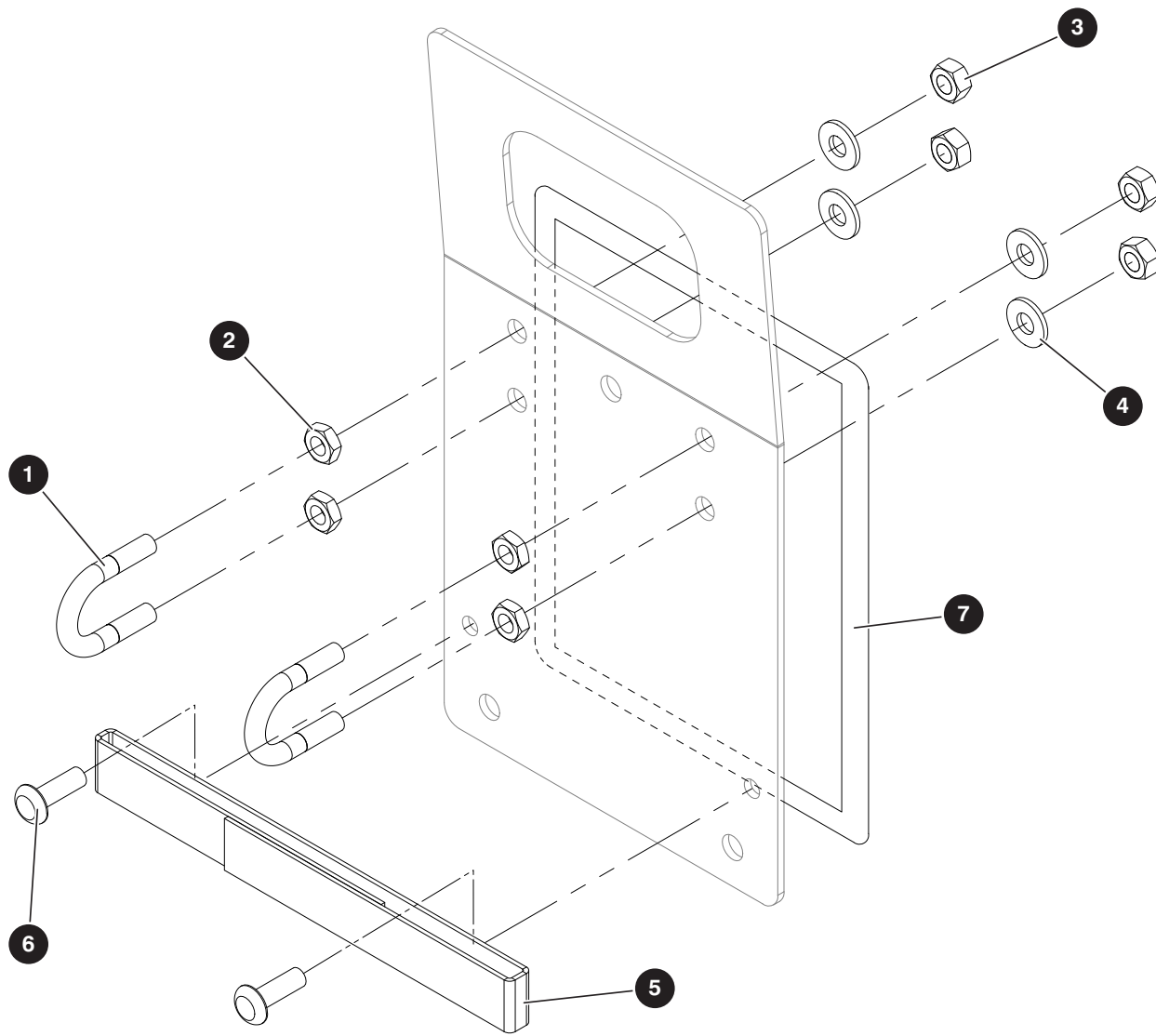
4.9 Engine Display



M244224AA

Index No.	Skyjack Part No.	Qty.	Description
1	191471	1	DISPLAY, Engine - A (Use kit K1 to replace)
2	244509	1	DISPLAY, Engine - B (Use kit K1 to replace)
3	244220	1	DISPLAY, Engine - C
K1	244216	1	ENGINE DISPLAY CHANGE KIT

4.10 Flip Chart

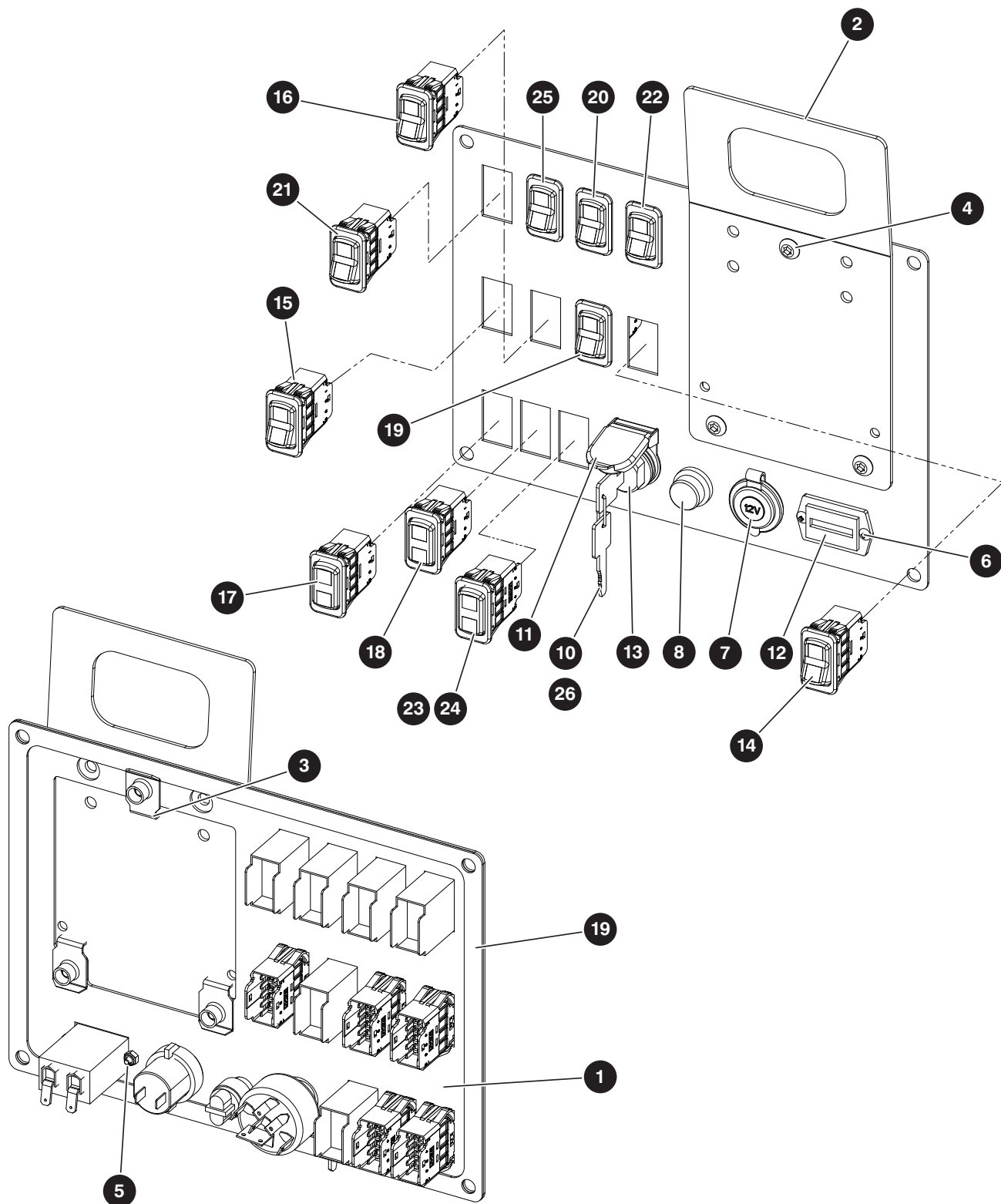


M191773AA-2

Index No.	Skyjack Part No.	Qty.	Description
-	191773	1	ASSEMBLY, FLIP CHART
1	191279	2	• BOLT, U (1/4"-20 X 3/8") pipe
2	103983	4	• NUT, Hex head jam 1/4"-20 Gr. 5
3	103980	4	• NUT, Hex head 1/4"-20 Gr. 8
4	103995	4	• WASHER, Flat 1/4" SAE
5	921485	1	• STRAP, Hook and loop
6	924935	2	• RIVET
7	205865	1	GASKET, RHS, Flipchart
-	(Ref.)	1	LOAD CHART BOOKLET (For components, refer to Section 12.4)

 **Notes**

4.11 RH Dash Panel

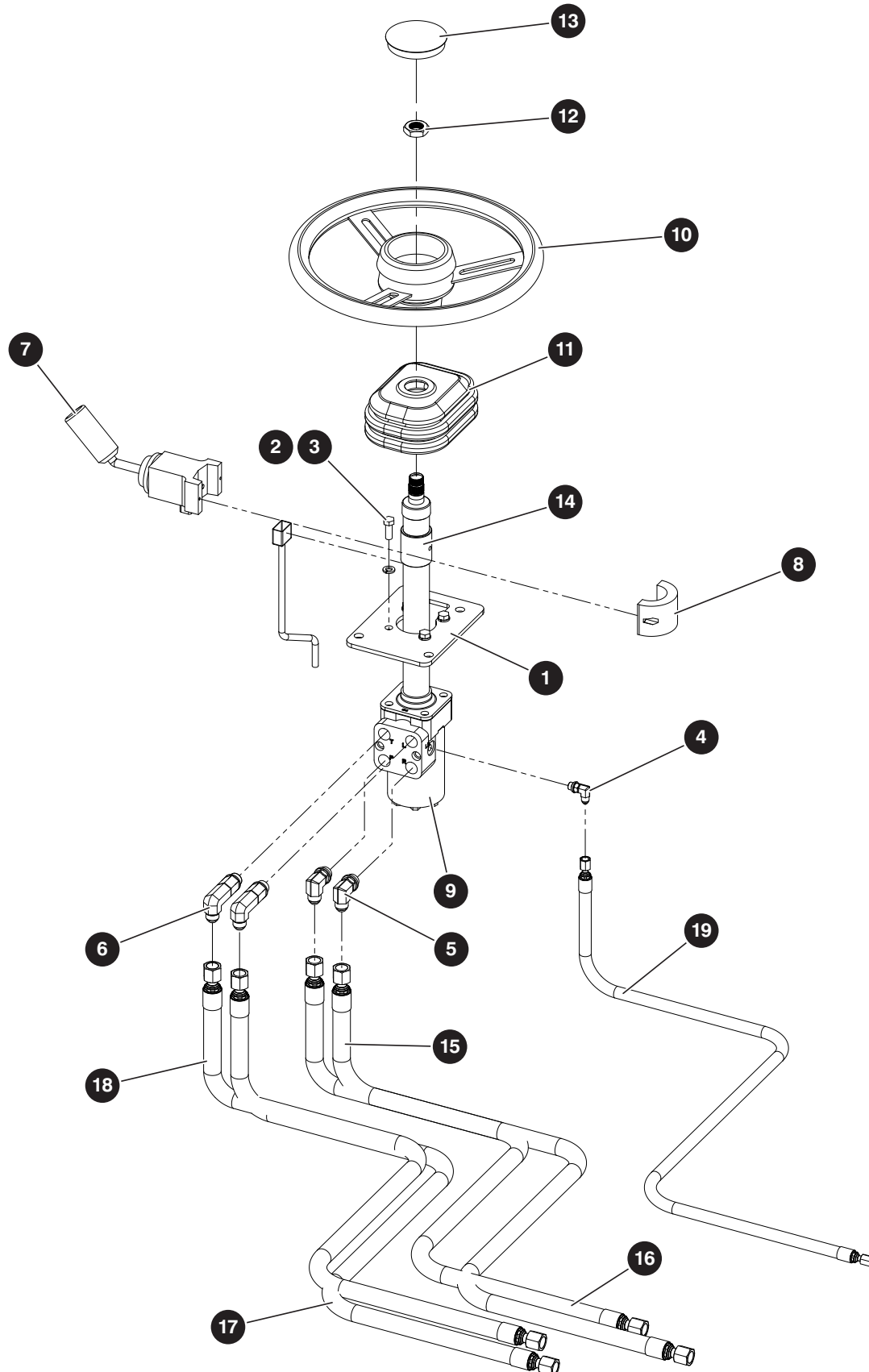


M191589AD

4.11 RH Dash Panel

Index No.	Skyjack Part No.	Qty.	Description
-	191589	1	ASSEMBLY, RH DASH PANEL
1	191501	1	• PANEL, Console RH
-	233309	1	• PANEL, Console RH without hourmeter
2	191318	1	• PLATE, Flip-chart mount
3	149496	3	• NUT, U-clip, 1/4"-20 UNC
4	191548	3	• SCREW, Machine 1/4"-20 NC x 1/2" th torx
5	924972	2	• NUT, Hex lock with nylon insert, # 6
6	191753	2	• SCREW, Phillips TMS 6-32 UNC x 1/2" SS
7	922915	1	• POWER PORT, 12V
8	405339	1	• BUTTON, Horn
9	920689	6	• BLANK PLUG, Waytek 43242 (Not shown)
10	926721	1	• SWITCH, Ignition
11	925191	1	• COVER, Ignition
12	927910	1	• HOUR METER - if equipped
13	926722	1	• NUT, Ignition
14	191454	1	• SWITCH, Park Brake
15	191457	1	• SWITCH, Steer Mode
16	191459	1	• SWITCH, Rear Wiper / washer
17	191462	1	• INDICATOR, Transmission Oil Temp / R.A.S.
18	191830	1	• INDICATOR, Glow Plug / Frame Level and boom Interlock
19	205863	1	GASKET, RH dash panel
16	-	1	SWITCH, Front / Top Wiper/Washer (enclosed cab only)
20	(Ref.)	2	SWITCH, Road lights <i>(For components, refer to Section 11.8)</i>
21	(Ref.)	1	SWITCH, Boom Lights <i>(For components, refer to Section 11.4)</i>
22	(Ref.)	1	SWITCH, Positive Air shut off <i>(For components, refer to Section 11.12)</i>
23	(Ref.)	1	INDICATOR, Positive Air Shutoff <i>(For components, refer to Section 11.12)</i>
24	(Ref.)	1	INDICATOR, Reserve Brake <i>(For components, refer to Section 11.14)</i>
25	(Ref.)	1	SWITCH, Work lights <i>(For components, refer to Section 11.6)</i>
26	925248	1	KEY, IGNITION

4.12 Steering Console

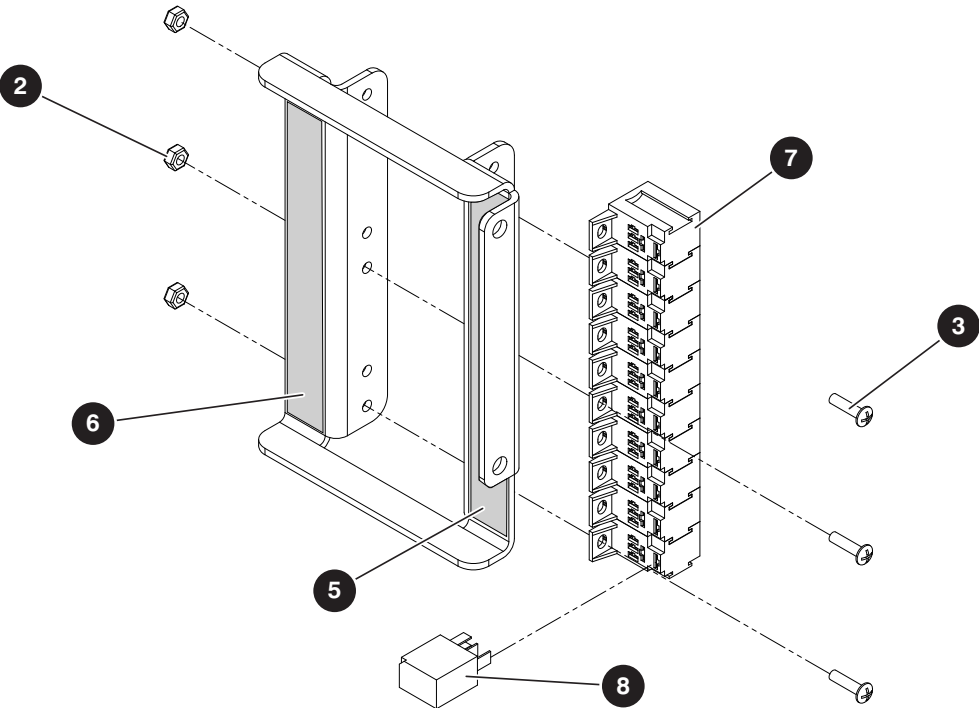
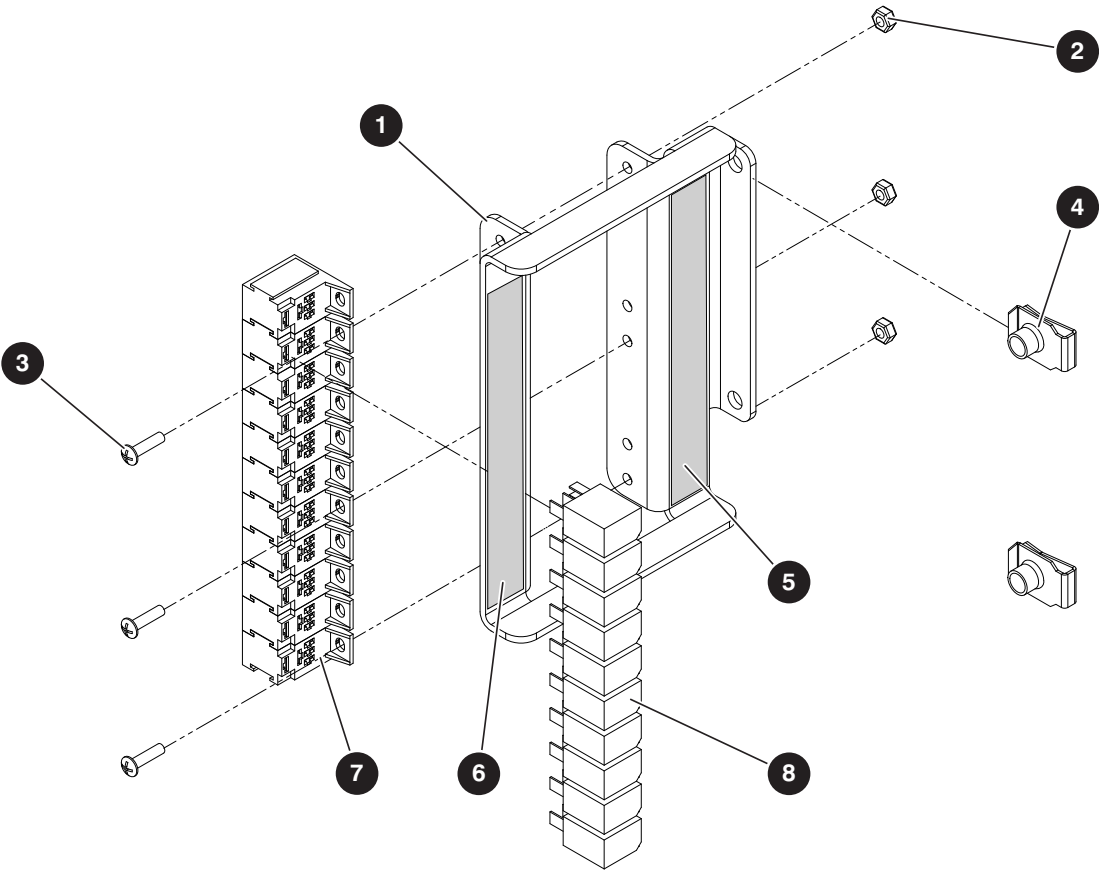


M191585AA

4.12 Steering Console

Index No.	Skyjack Part No.	Qty.	Description
-	191585	1	ASSEMBLY, STEERING CONSOLE
1	191496	1	• PLATE, Steering mount
2	103999	4	• WASHER, Lock, hel spring 3/8"
3	103473	4	• SCREW, Hex head 3/8"-16 NC X 1" Gr. 5
4	125883	1	• FITTING, Hydraulic 90°
5	114583	2	• FITTING, 90°
6	702798	2	• FITTING, 90° Extra long
7	926377	1	• SHIFTER, Transmission
8	921721	1	• CLAMP, Shifter
9	406450	1	• VALVE, Orbital Steering
-	209323	1	• • SEAL KIT, Orbital steering unit
10	404849	1	• STEERING WHEEL
11	191493	1	• BOOT, Column
12	405037	1	• NUT, Steering wheel
13	411375	1	• CAP, Steering wheel
14	191845	1	• COLUMN 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

4.13 Main Relay

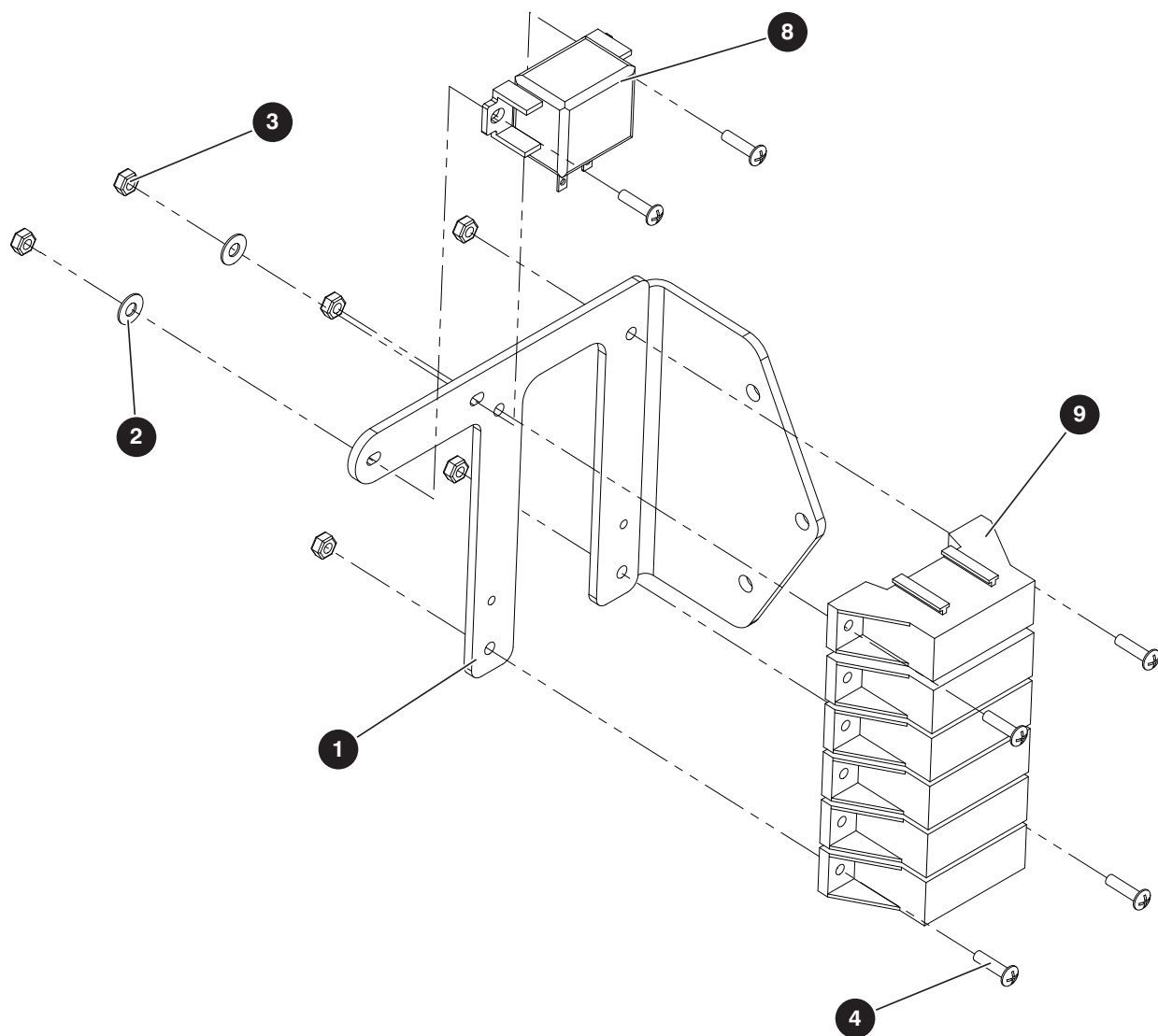


M191935AB

4.13 Main Relay

Index No.	Skyjack Part No.	Qty.	Description
-	191935	1	ASSEMBLY, RELAY MAIN COMMON
1	191912	1	• BRACKET, Relay mount bank
2	126642	6	• NUT, Hex Lock with nylon insert #10-24 NC
3	138834	6	• SCREW, Machine #10-24 NC x 3/4" PH Phillips
4	149496	2	• NUT, U-clip
5	196231	1	• DECAL, Relay ID RH
6	196232	1	• DECAL, Relay ID LH
7	156166	22	• MOUNT, Micro Relay
8	931298	12	• RELAY, Micro 20A

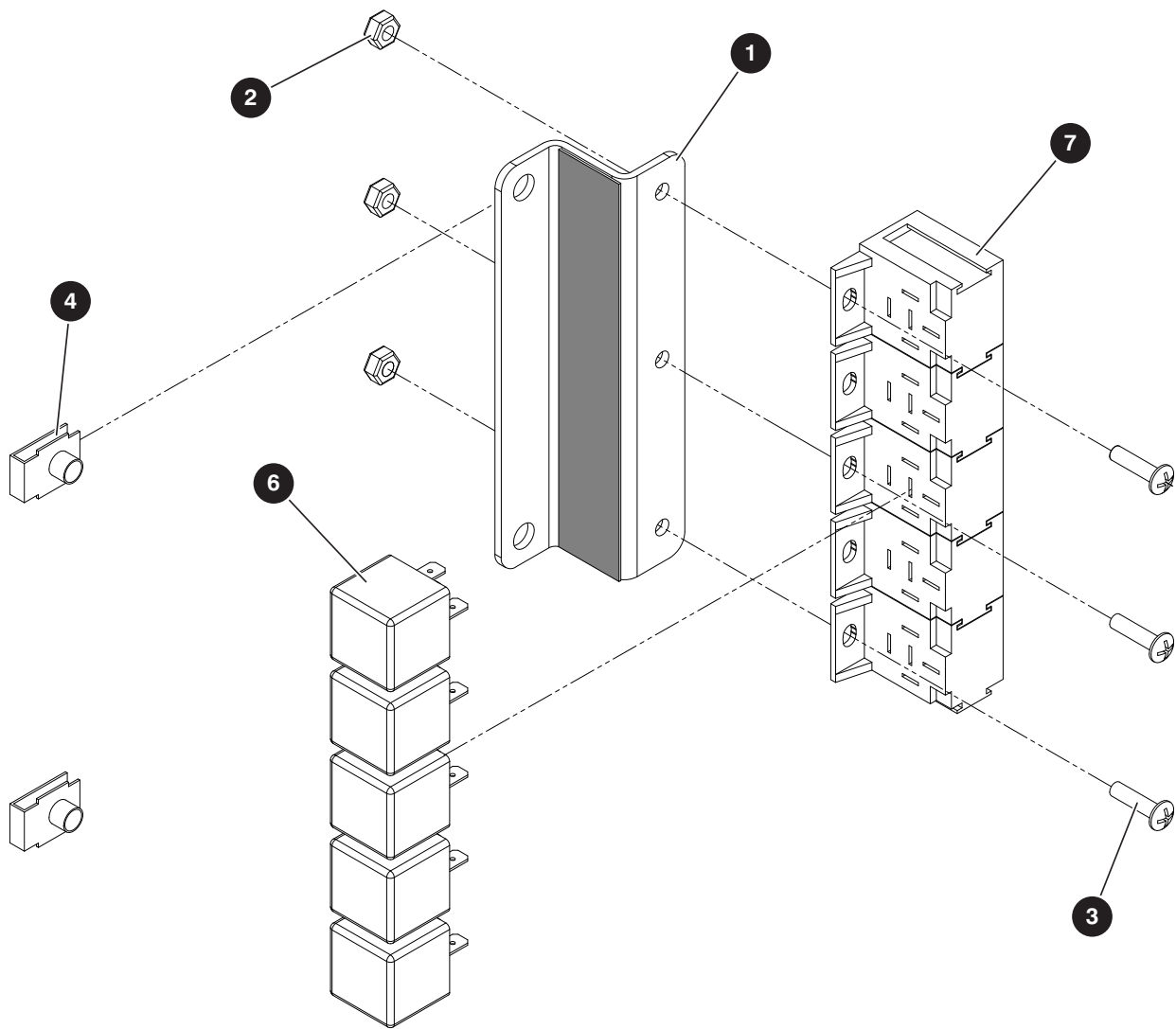
4.14 Fuse and Power



M191576AB

Index No.	Skyjack Part No.	Qty.	Description
-	191576	1	ASSEMBLY, FUSE AND POWER
1	191571	1	• MOUNT BRACKET, Fuse/Relay
2	191686	2	• WASHER, Flat 3/16" Type A
3	126642	6	• NUT, Hex lock with nylon insert #10-24 NC
4	138834	6	• SCREW, Machine #10-24 NC x 3/4" PH Phillips
5	156203	2	• FUSE, 10 AMP red (Not Shown)
6	156164	1	• FUSE, 30 AMP LT grn (Not Shown)
7	156202	1	• FUSE, 5 AMP TAN (Not Shown)
8	226119	1	• POWER RELAY
9	156103	6	• FUSE HOLDER

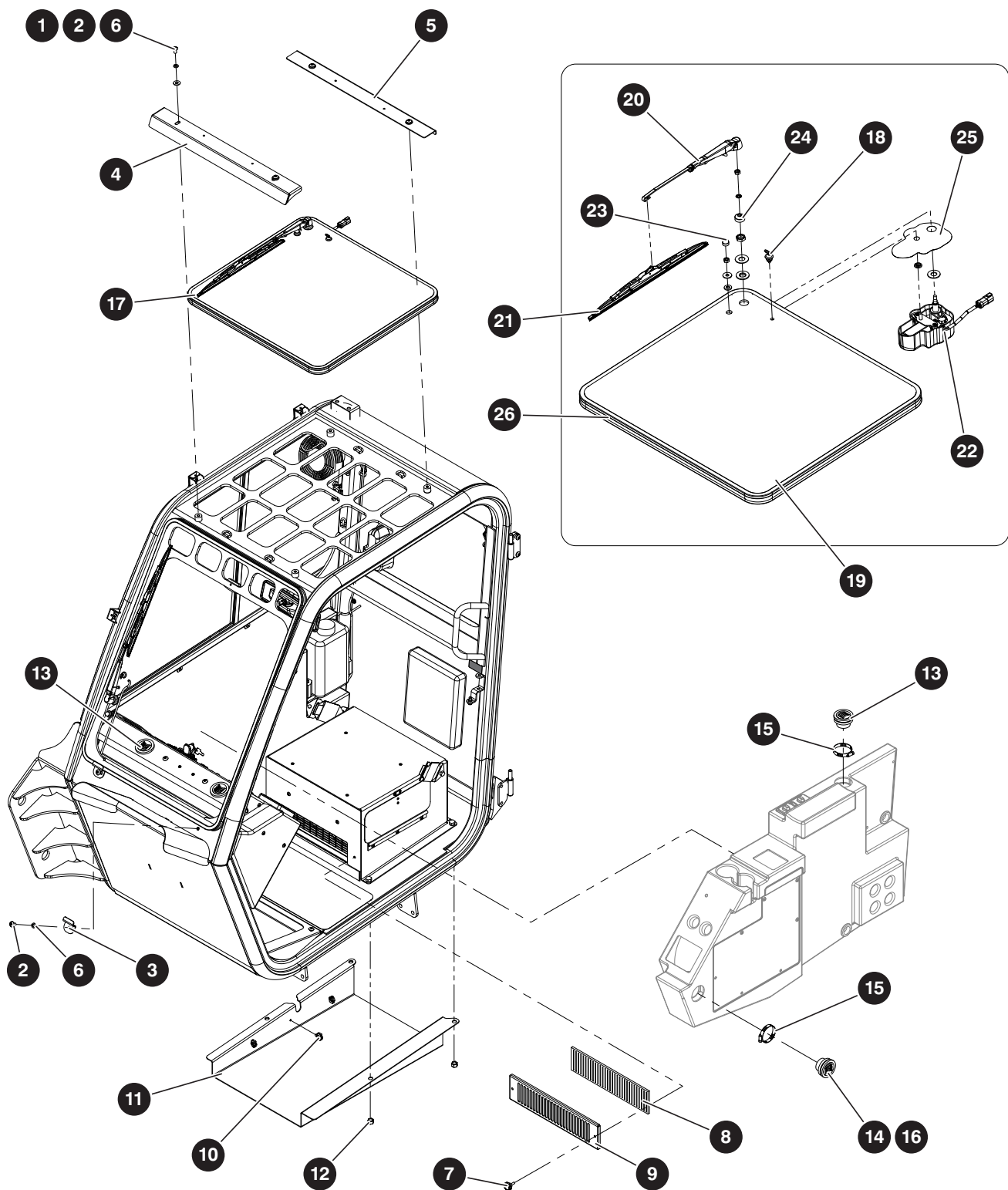
4.15 Relay RH



M191941AA

Index No.	Skyjack Part No.	Qty.	Description
-	191941	1	ASSEMBLY, RELAY RH 107HP
1	191913	1	• BRACKET, Relay mount bank I
2	126642	3	• NUT, Hex lock with nylon insert #10-24
3	191917	3	• SCREW, Machine #10-24 NC x 1/2" PH Phillips
4	149496	2	• NUT, Clip
5	195423	1	• DECAL, Relay 107 HP (Not shown)
6	127131	5	• RELAY, 5-Pin 40A, 12V
7	156166	5	• RELAY, Socket

4.16 Enclosed Cab

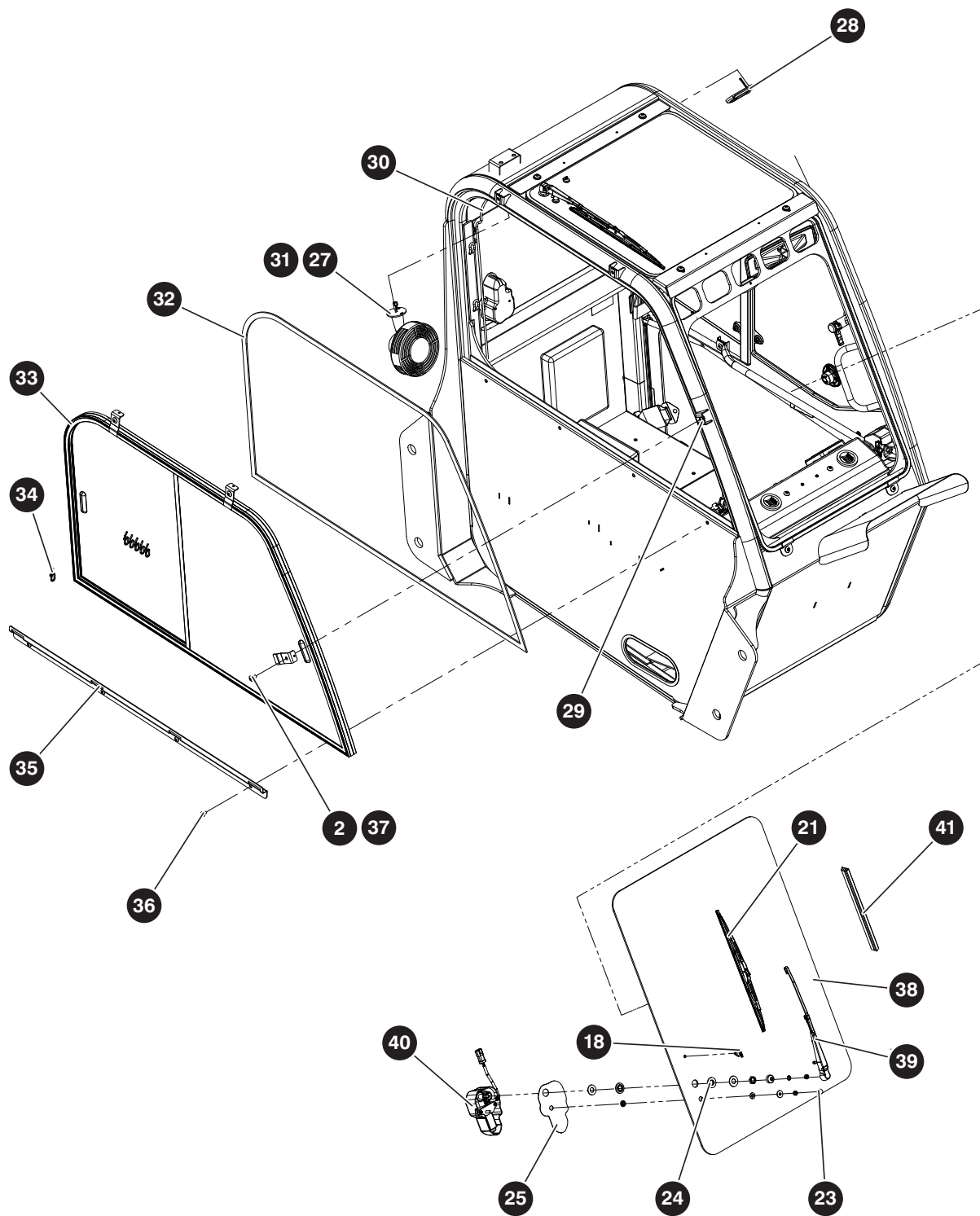


M191970AB-1R

4.16 Enclosed Cab

Index No.	Skyjack Part No.	Qty.	Description
A	191789	1	ASSEMBLY, ENCLOSED CAB SUBGROUP 74 HP
B	197661	1	ASSEMBLY, ENCLOSED CAB SUBGROUP 107HP
-	191790	1	ASSEMBLY, Enclosed cab - 74 HP , A
-	191937	1	ASSEMBLY, Enclosed cab - 107 HP, B
1	103472	4	• WASHER, Flat 3/8"
2	191542	9	• SCREW, Machine 3/8"-16 NC x 3/4" BH torx
3	191666	2	• RETAINER, Front window lo
4	191651	1	• RETAINER, Front upper window
5	191653	1	• PLATE, Retainer top
6	103999	6	• WASHER, Lock hel spring 3/8"
7	191692	2	• KNOB, Black, 1-1/4" DIA 1/4" x 3/4"
8	921521	1	• FILTER, HVAC
9	191649	1	• PANEL, Screen intake
10	191549	3	• ROSEBUD CLIP, 413- 500" duct
11	191650	1	• COVER PANEL, Hose -A
12	702507	4	• NUT, Hex Lock with nylon insert, 1/2"-13 NC - B -B
13	191706	3	• LOUVER, Round, 2.79" W / 2.0 hose
14	191706	1	• LOUVER, Round, 2.79"
15	191532	4	• CLAMP, Hose,
16	191928	1	• ADAPTER, 90°
17	191684	1	• ASSEMBLY, Top window
18	191525	1	• • FITTING, Wiper hose
19	191930	1	• • WINDOW, Top
20	191660	1	• • WIPER, Arm wet
21	191670	1	• • WIPER, Blade j- hook
22	191556	1	• • WIPER, Motor LH park
23	191557	1	• • MOUNT, M8 hardware
24	191558	1	• • MOUNT, M16 hardware
25	191559	1	• • WIPER, Window sticker
26	191678	1	• • BUBBLE SEAL, 90° top
-	-	-	Part list continued in following page

4.16 Enclosed Cab



M191790AB-2R

190126AK

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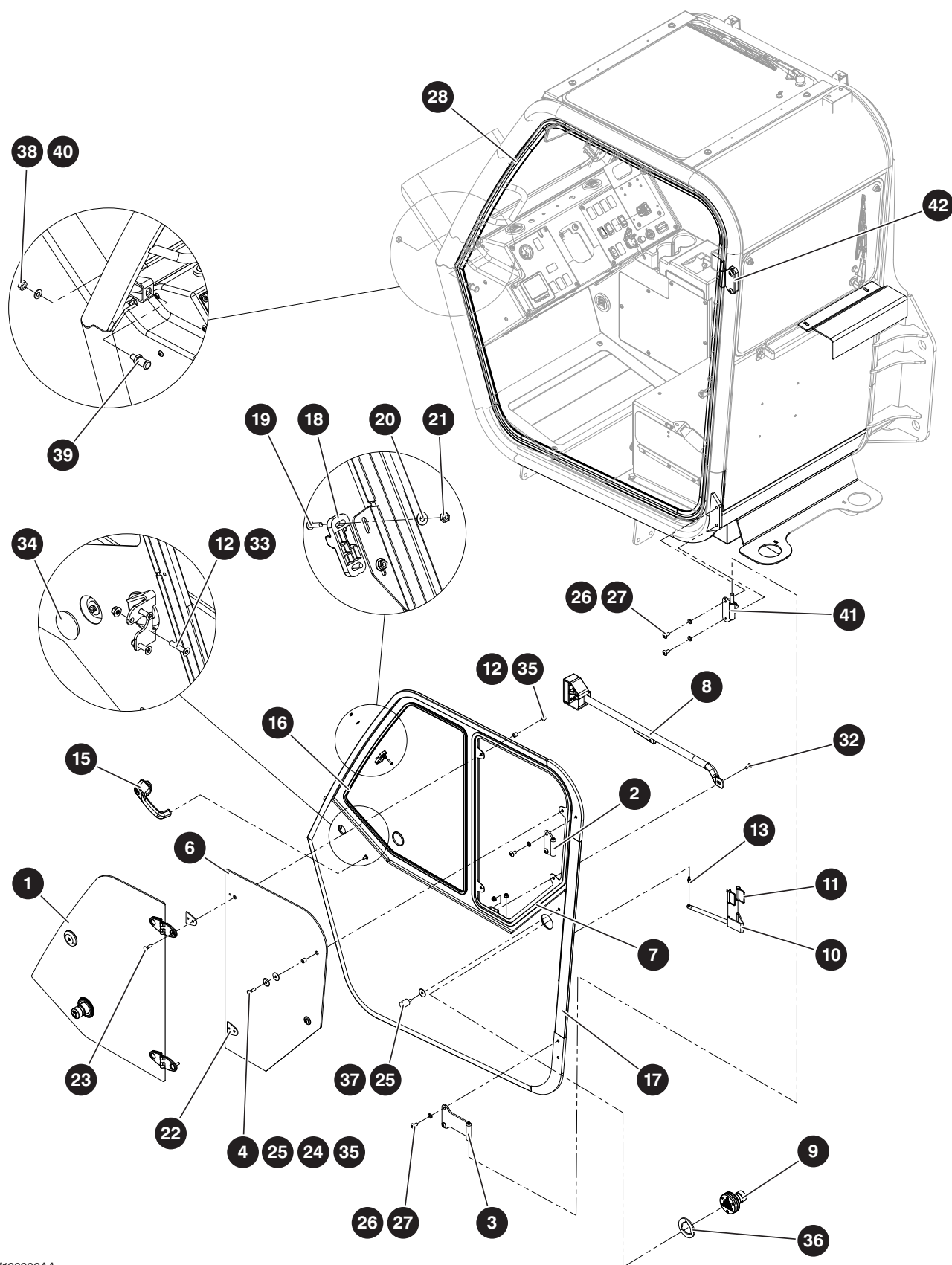
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

4.16 Enclosed Cab

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
27	191680	1	• ASSEMBLY, Fan with terminals
28	191658	1	• DOME LIGHT, Oval with switch
29	191665	3	• CLIP, Window slider
30	191510	1	• HOSE, Washer (12")
31	191694	1	• GASKET, Defroster fan
32	223900	1	• SEAL, Rubber strip
33	223899	1	• SLIDER WINDOW
-	211680	1	• • LATCH
34	191540	6	• WIRE TIE, Nylon, black, 7-1/2" long
35	191652	1	• RETAINER, Window slider lo
36	191677	4	• SCREW, Machine 3./8"-18 NC X 1/2" TH TRX -A
37	159294	3	• NUT, U-clip 3/8"-16 UNC
-	191683	1	• FRONT WINDOW WITH WIPER
38	191659	1	• • WINDOW, Front
39	191671	1	• • WIPER, Arm wet
40	191672	1	• • WIPER, Motor 315 LH park
41	191679	1	• • BUBBLE SEAL, 90° front
42	(Ref).	1	• ASSEMBLY, Door
			<i>(For components, refer to Section 4.17)</i>

4.17 Door Assembly

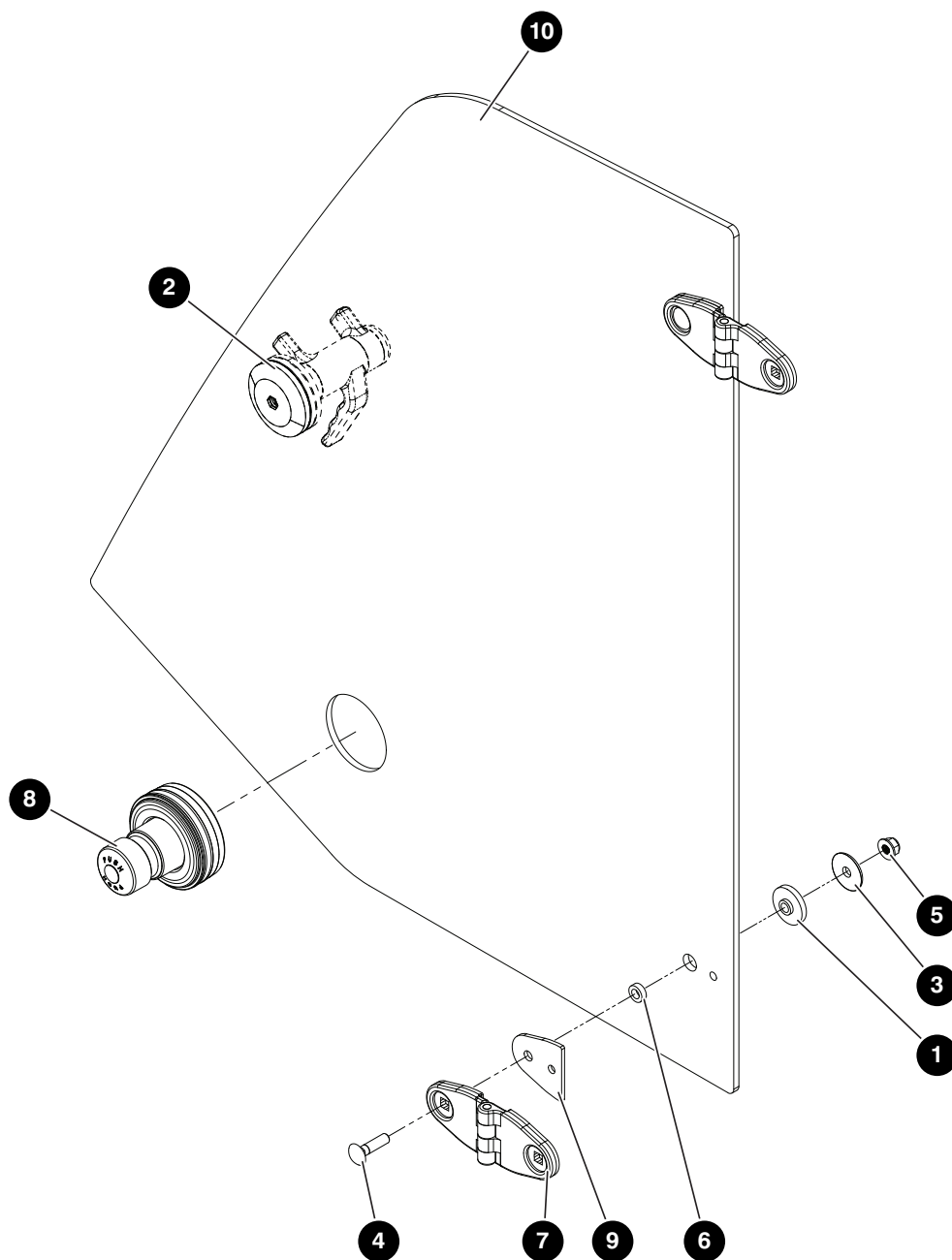


M198999AA

4.17 Door Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	198999	1	ASSEMBLY, DOOR LH
1	191946	1	ASSEMBLY, Door window <i>(For components, refer to Section 4.18)</i>
2	191655	1	WELDMENT, Door hinge top
3	191656	1	WELDMENT, Door hinge bottom
4	191543	2	SCREW, Machine 5/16-18 NC x 1-1/4" TH TRX
5	191561	1	PROTECTIVE TRIM, Urethane
6	204275	1	WINDOW, Upper rear door
7	204285	1	SEAL, Bubble PSA 96" long
8	191701	1	LATCH HANDLE, Dip round
9	191668	1	WINDOW, Hold-open
10	191749	1	STRAP, Door restraint
11	191699	2	PIN, 5/16" x 2" With keeper
12	191574	9	NUT HEX, 5/16"-18 nc flanged
13	191689	1	BALL STUD
14	191691	1	GAS SPRING, 20 psi x 17.2" ext stroke
15	191751	1	HANDLE, Outside p/b key code 250
16	191921	1	SEAL, Bubble loop 90
17	198998	1	WELDMENT, LH door frame
-	191654	1	WELDMENT, LH door frame with crystal cutout - Not shown
	191909	1	WINDOW, lower, door (only for machines with crystal door) - Not shown
	191561	1	PROTECTIVE TRIM, Urethane (only for machines with crystal door) - Not shown
18	191704	1	HANDLE, L-Window stay 2-Pos
19	138834	2	SCREW, Machine #10-24 NC X 3/4" PH Phillips
20	191686	2	WASHER, flat 3/16" type a, w ser
21	126642	2	NUT, Hex lock with nylon insert, #10-24 NC
22	191750	2	SPACER, Seal gasket
23	106049	2	BOLT, Carriage, 5/16"-18 x 1-1/4"
24	191698	2	WASHER, Flat rubber
25	191705	3	WASHER, Fender 11/32 ID X 1-1/4"
26	103999	8	WASHER, Lock 3/8"
27	191542	8	SCREW, 3/8"-16 NC x 3/4" BH TORX
28	232516	1	SEAL, Rubber, bubble
29	103472	1	WASHER Flat 3/8" type a, w ser
30	104000	1	WASHER, Lock 1/4"
31	933627	1	SCREW, Head head M6 x 25 X 1" Gr. 8
32	191573	1	SCREW, Machine 5/16"-18 NC x 3/4" TH TRX
33	143728	3	SCREW, Machine 5/16"-18 NC x 1-1/2" fh soc
34	191512	1	PLUG HOLE, Plastic, 2-3/32" DIA
35	204283	4	SPACER NYLON
36	191933	1	SPACER, Window hold open
37	191918	1	BUMPER, Neoprene 1" DIA
38	191702	1	NUT, Hex jam, M12 X 1.0 F
39	191703	1	STRIKER, Stud. 17 mm
40	191536	1	WASHER, Flat 1/2" type A, N SER
41	191927	1	WELDMENT, Hinge, bottom
42	191926	1	WELDMENT, Hinge upper

4.18 Door Window Assembly



M191946AA

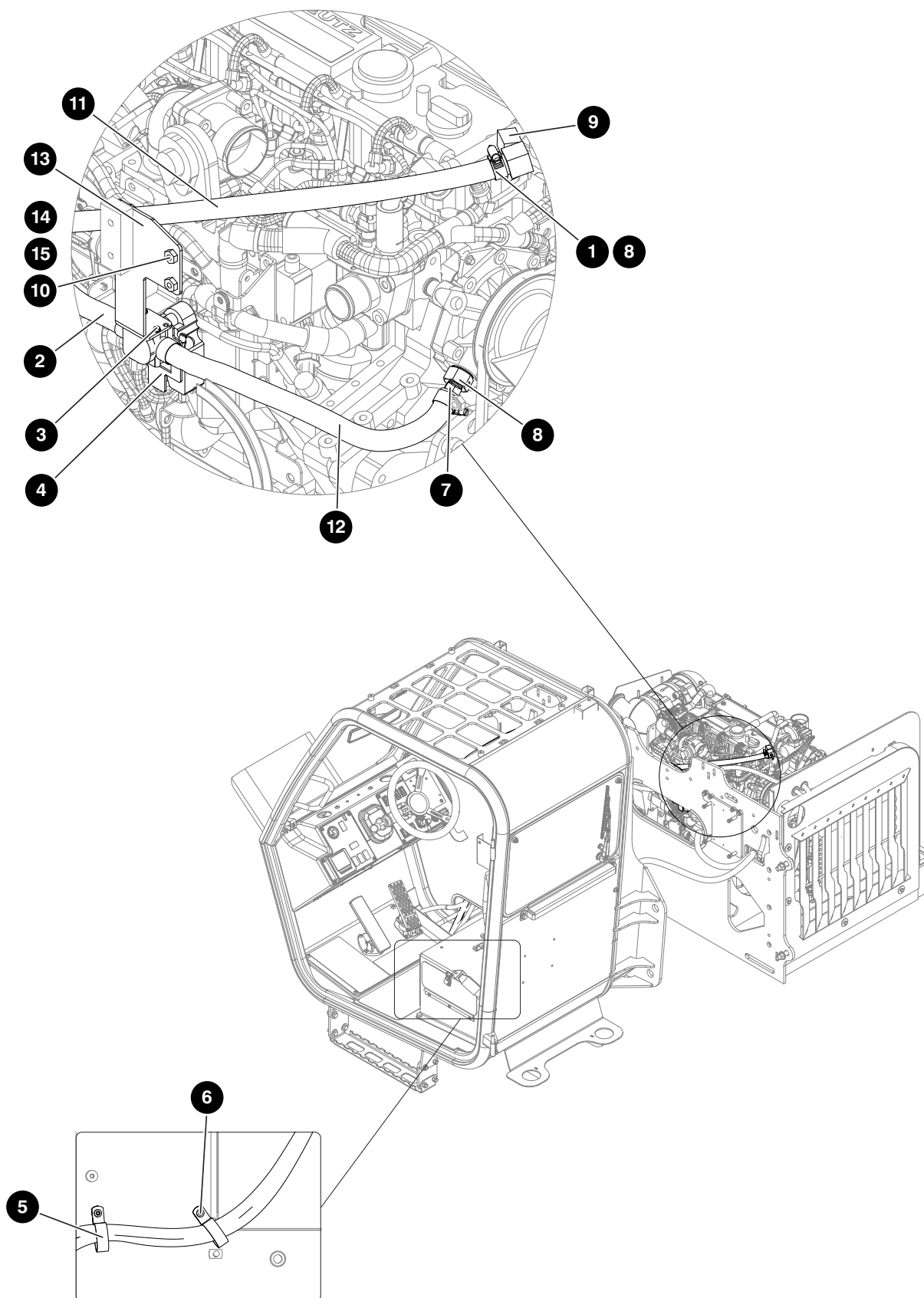
190126AK

SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

4.18 Door Window Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	191946	1	WINDOW, Door
1	191698	2	WASHER, SHOULDER, GLASS MOUNT
2	191704	1	HANDLE, L-WINDOW STAY, 2 POSITIONS
3	191705	2	WASHER, FENDER, 11/32" ID X 1-1/4"
4	106049	2	BOLT, CARRIAGE, 5/16"-18 X 1-1/4"
5	191574	2	NUT, HEX, 5/16"-18 NC FLANGED
6	191934	2	SPACE, NYLON
7	191667	2	HINGE, WINDOW
8	191668	1	WINDOW, HOLD-OPEN PIN
9	191750	2	SPACER, SEAL GASKET
10	191907	1	WINDOW, FRONT UPPER

4.19 Cab with Heat Installation 74 HP



M198770AC

190126AK

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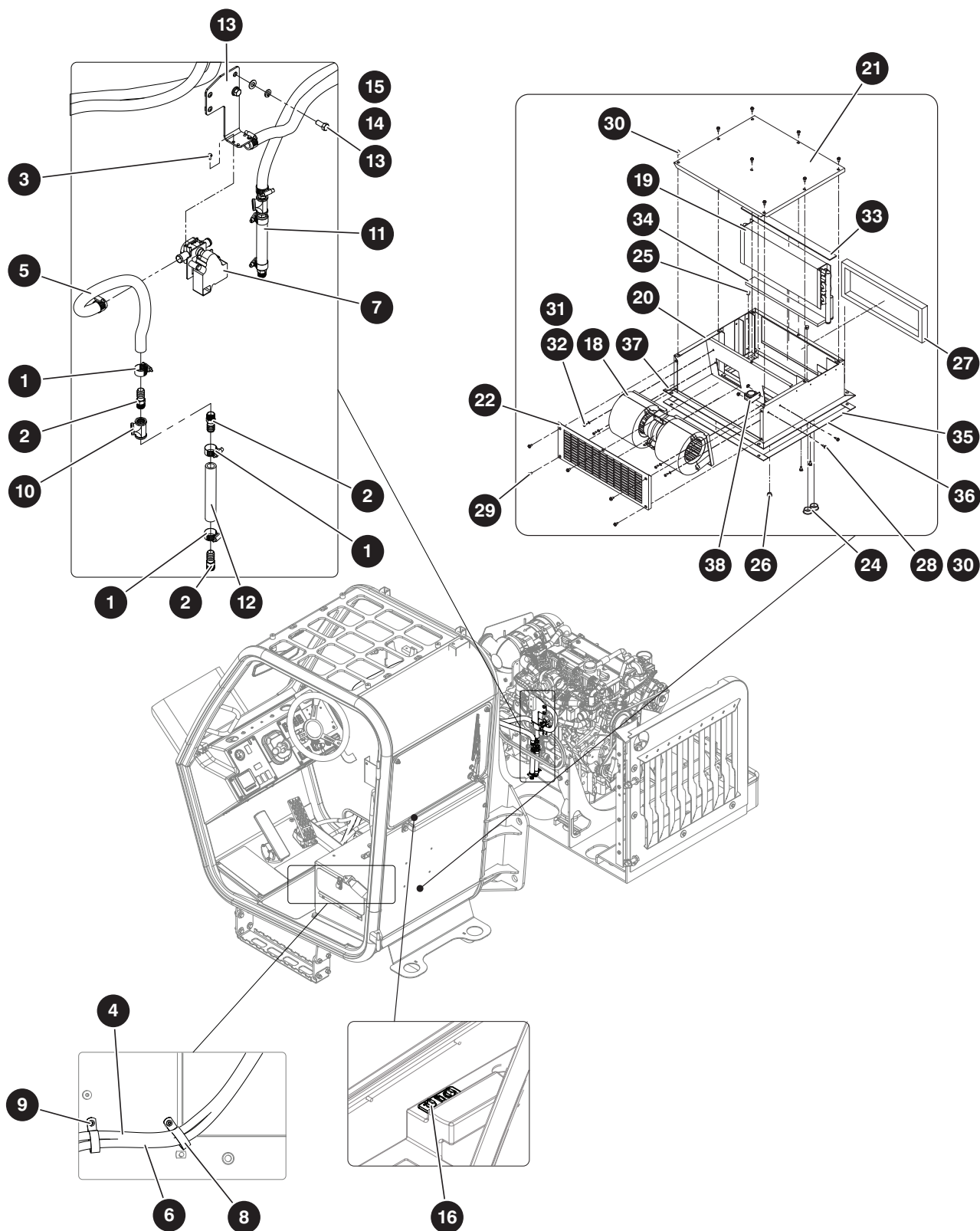
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

4.19 Cab with Heat Installation 74 HP

Index No.	Skyjack Part No.	Qty.	Description
-	198770	1	ASSEMBLY, HEATER SUBGROUP 3.6L 74 HP
1	163521	6	• GEAR CLAMP 5/8"
2	407024	142	• HOSE, 5/8" Heater
3	151405	2	• SCREW, Hex tapping (#8 x 3/8" Type B)
4	922724	1	• VALVE, Heater (motorized)
5	143987	2	• CLAMP, Loop cushion #40
6	170182	2	• BOLT, Button Head Cap 3/8"-16 x 3/4"
7	191771	2	• FITTING, Hose, 3/8" NPT, 5/8" Hose
8	191772	2	• ADAPTER, M22 x 1-1/2" to 3/8" NPT with O-Ring
9	413158	2	• PIPE, Extruded 90° street elbow - 3/8"
10	300437	2	• BOLT, Hex head 3/8"-16 X 7/8" Grade 5
11	407024	160	• HOSE, 5/8" Heater
12	407024	24	• HOSE, 5/8" Heater
13	191859	1	• WELDMENT, A/C Dryer bracket
14	103472	2	• WASHER, Flat 3/8"
15	103999	2	• WASHER, Lock 3/8"

4.20 Cab Heater System

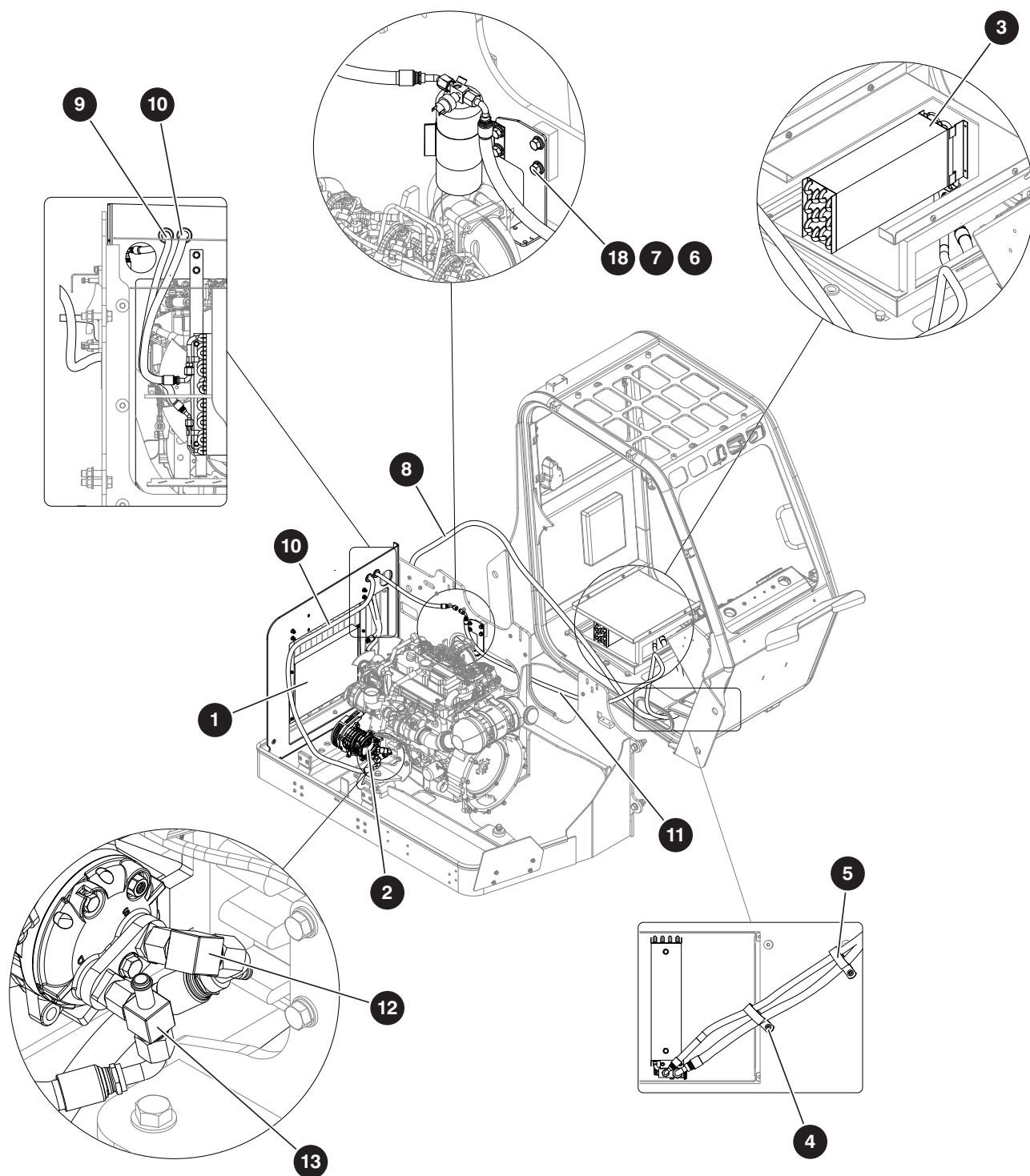


M191878AB

4.20 Cab Heater System

Index No.	Skyjack Part No.	Qty.	Description
-	191878	1	ASSEMBLY, HEATER SUBGROUP 3.6L 107 HP
1	163521	10	• CLAMP, Gear 5/8"
2	191771	6	• FITTING, Hose 3/8" NPT, 5/8" hose
3	151405	2	• SCREW - Hex tapping (#8 x 3/8" Type B)
4	407024	142	• HOSE, 5/8" Heater
5	407024	26	• HOSE, 5/8" Heater
6	407024	142	• HOSE, 5/8" Heater
7	922724	1	• VALVE, Heater (motorized)
8	143987	2	• CLAMP, Loop cushion #40
9	170182	2	• BOLT, Button Head Cap, 3/8"-16 x 3/4"
10	191769	2	• TEE, Brass 3/8" NPT
11	407024	6	• HOSE, 5/8" Heater
12	407024	6	• HOSE, 5/8" Heater
13	103472	2	• WASHER, Flat 3/8"
14	103999	2	• WASHER, Lock 3/8"
15	300437	2	• BOLT, Hex head 3/8"-16 x 7/8" Gr. 5
16	191859	1	• WELDMENT, A/C Dryer Bracket
-	191682	1	ASSEMBLY, HEATER UNIT
17	191491	1	• CONTROLLER, HVAC
-	922749	1	• HEATER UNIT
18	197011	1	• • BLOWER 12V
19	197012	1	• • HEATER COIL
20	197013	1	• • CASING
21	197014	1	• • COVER
22	197015	1	• • FRONT COVER
23	197016	1	• • WIRING HS.(Not shown)
24	197017	2	• • PLUG ,Snap-in hole 1"
25	197018	2	• • PLUG, Hole 3/8"
26	197019	1	• • PLUG, Hole 1/2"
27	197020	1	• • CC FOAM 5/8"x1"; L=970
28	197021	2	• • NUT, Lock #8-32
29	197022	15	• • SCREW #10-32 x 3/8"
30	197023	2	• • SCREW #8-32 x 3/8"
31	197024	4	• • SCREW #8-32 x 3/8"
32	197025	4	• • WASHER, Lock #8
33	197026	1	• • FOAM 1/4"x1 1/4"; 415
34	197027	1	• • FOAM 3/8"x1 5/8"; 338
35	197028	2	• • FOAM 1/16x1"; 383.5 mm
36	197028	2	• • FOAM 1/16"x1"; 470 mm
37	197029	1	• • FOAM 3/16x1/2"; 390 mm
38	266259	1	THERMOSTAT, Air Conditioning

4.21 Cab A/C System

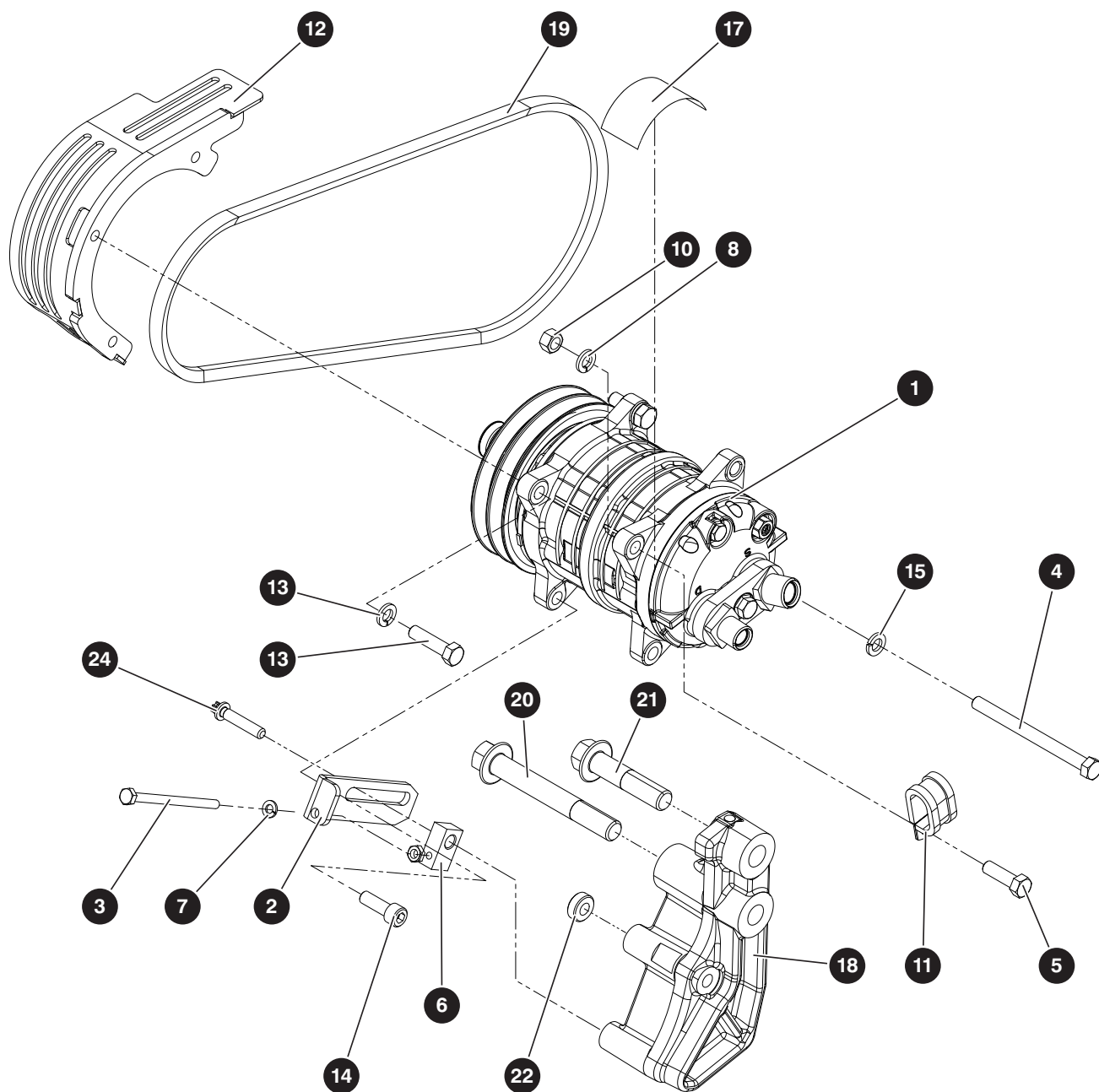


M191368AB

4.21 Cab A/C System

Index No.	Skyjack Part No.	Qty.	Description
A	191368	1	ASSEMBLY, A/C OPTION 3.6L - Style A Radiator
B	223537	1	ASSEMBLY, A/C OPTION 3.6L - Style B Radiator
1	(Ref.)	1	A/C CONDENSER, Installation <i>(For components, refer to Section 4.23)</i>
2	(Ref.)	1	A/C COMPRESSOR, Installation TH10k <i>(For components, refer to Section 4.22)</i>
3	921101	1	A/C 12V KIT
	235881		VALVE, Expansion block
-	191376	1	HOSE HARDWARE INSTAL, 10K - A
-	223218	1	HOSE HARDWARE INSTAL, 10K - B
4	170182	2	BOLT, Button Head Cap 3/8"-16 x 3/4"
5	143987	2	CLAMP, Loop cushion #40
6	103996	2	WASHER, Flat 5/16"
7	103404	2	WASHER, Lock 5/16"
8	191283	1	HOSE, Refrigerant #10
9	191280	1	HOSE, Refrigerant#6 - A
	223540	1	HOSE, Refrigerant#6 - B
10	191282	1	HOSE, Refrigerant#8 - A
	223541	1	HOSE, Refrigerant#8 - B
11	191281	1	HOSE, Refrigerant#6
12	164139	1	COUPLER - #10 - 90° O-Ring
13	164138	1	A/C SERVICE VALVE - #8 - O-Ring discharge
14	920079	1	BRACKET, Drier/binary
-	207486	1	SWITCH, Pressure
15	(Ref.)	1	HARNESS, A/C <i>(For components, refer to Section 4.25)</i>
16	102891	20	TIEWRAP CABLE, 7-1/4" BLACK
17	171444	48	WRAP-SPIRAL 1" DIA
18	103887	2	BOLT, Hex head 5/16"-18 X 3/4" Gr. 5

4.22 A/C Compressor



M191371AG

190126AK

176

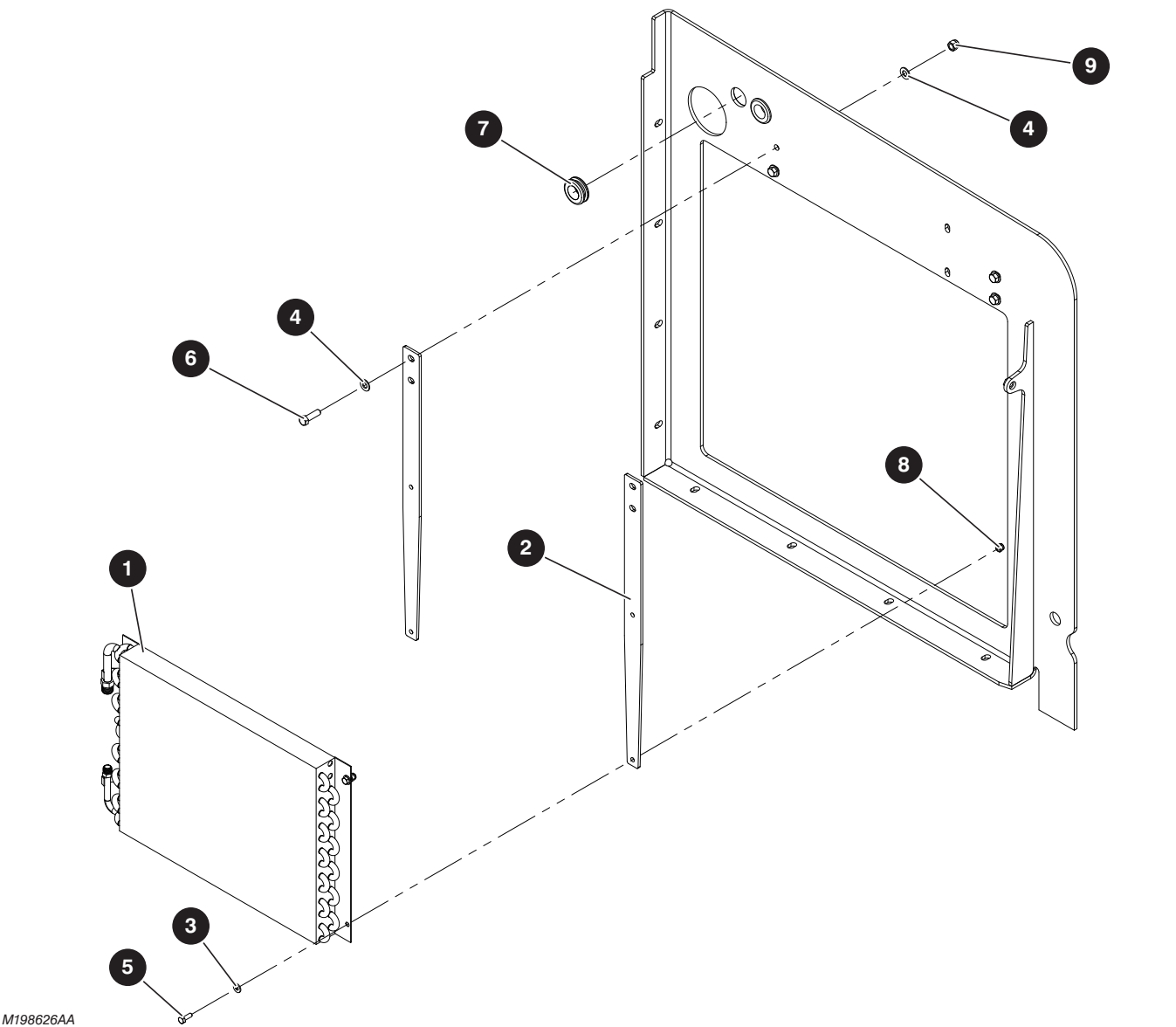
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

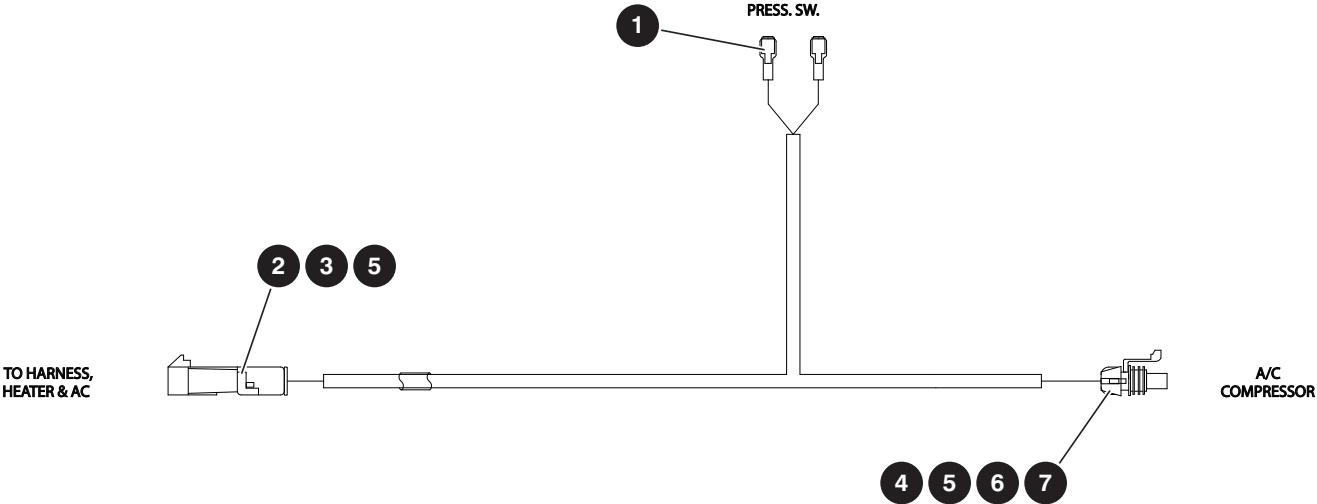
4.22 A/C Compressor

Index No.	Skyjack Part No.	Qty.	Description
-	191371	1	ASSEMBLY, A/C COMPRESSOR INSTALLATION
1	163903	1	• AC COMPRESSOR
2	191226	1	• PLATE, BELT TENSIONER
3	120738	1	• BOLT, Hex head 1/4"-20 x 4" Gr5
4	226207	1	• BOLT, Hex head M10 x 1.5 x 130 CL 8.8 Pt
5	101297	1	• BOLT, Hex head (3/8" - 16 x 1-1/4" Gr5)
6	191227	1	• BLOCK, Belt tensioner
7	104000	1	• WASHER, Lock 1/4"
8	103999	2	• WASHER, Lock 3/8"
9	130884	3	• WASHER, Lock M10 Plated din 127b
10	103978	1	• NUT, Hex 3/8"-16 Gr5
11	103078	1	• CLAMP, Loop cushion double G10
12	191856	1	• WELDMENT, AC Pully guard
13	933634	2	• BOLT, Hex head M10 x 1.5 x 30 mm CL 8.8 ZP
14	232529	1	• BOLT, Socket Head M10-1.50 x 30 zinc plated
15	600572	2	• WASHER, Flat M10-OD 20.0
16	217583	1	• NUT Hex M10 x 1.5 CL 8 ZP
17	922004	1	• LABEL, Refrigerant charge
18	236472	1	• BRACKET, A/C Modification, Deutz 3.6
19	236478	1	• NARROW V-BELT
20	236469	1	• BOLT, M16-2.0X120mm HEX HEAD FLANGE
21	236468	1	• BOLT, M16-2.0X70mm HEX FLANGE
22	236466	1	• DEUTZ BUSHING
23	103983	1	• NUT, HEX HD JAM 0.25-20 GR5
24	933770	1	• BOLT, HEX HD M8-1.25 x 40MM CL 8.8 YE
25	600184	1	• WASHER, FLAT M8 DIN 125 (600184)

4.23 A/C Condenser



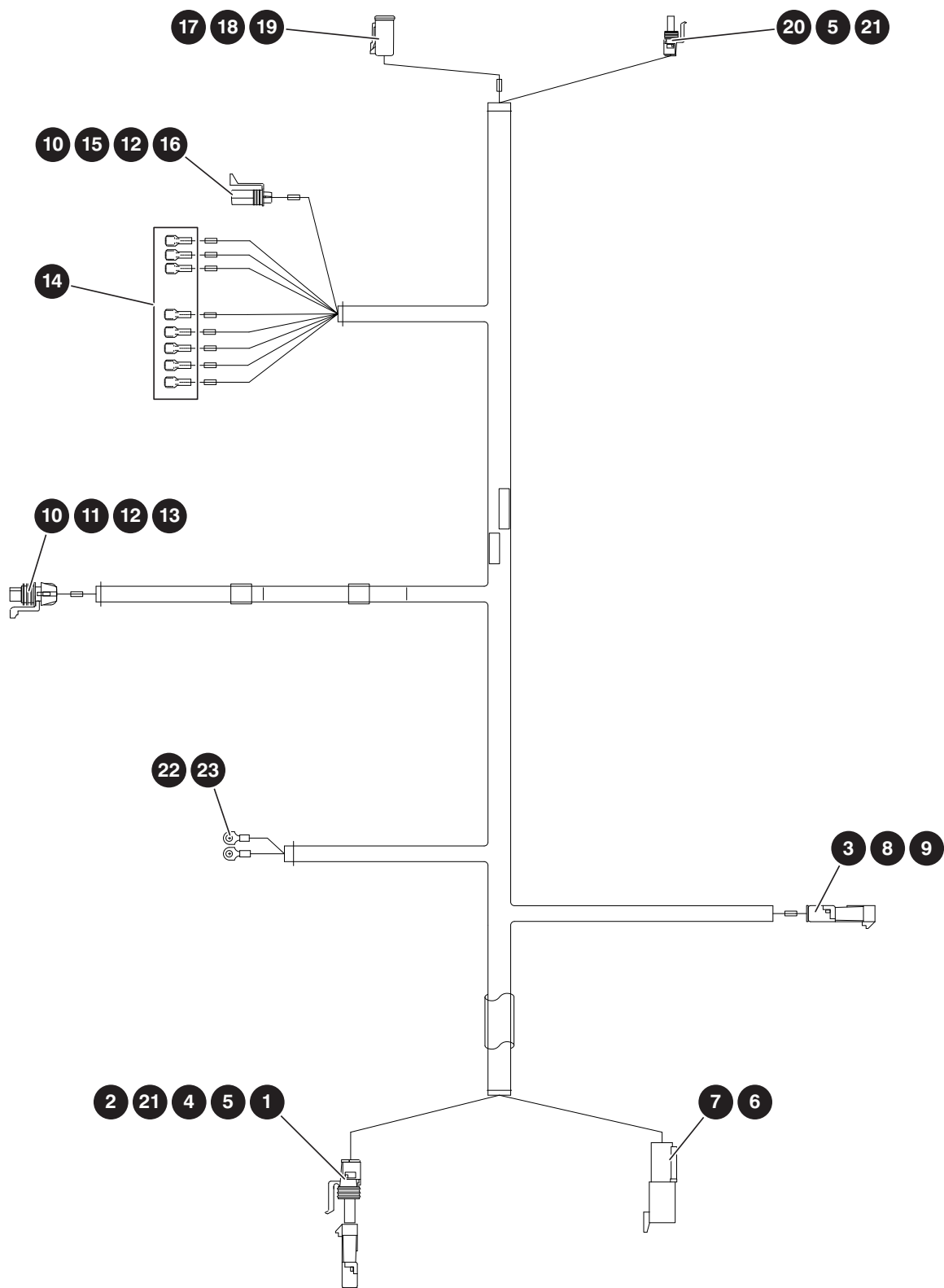
Index No.	Skyjack Part No.	Qty.	Description
A	198626	1	ASSEMBLY, A/C CONDENSER - Style A Radiator
B	223538	1	ASSEMBLY, A/C CONDENSER - Style B Radiator
1	921525	1	• AC CONDENSER
2	198560	2	• A/C BRACKET - A
	223539	2	• A/C BRACKET - B
3	103995	4	• WASHER, FLAT 1/4"
4	103472	8	• WASHER FLAT 3/8"
5	103856	4	• BOLT, Hex head 1/4"-20 X 3/4" Gr. 5
6	101297	4	• BOLT, Hex head 3/8"-16 X 1-1/4" Gr. 5
7	191284	2	• GROMMET, RUBBER 1.00 ID X1.38 OD X.250TK
8	115649	4	• NUT, LOCK 1/4"0-20 Gr. 5 - NYL
9	104606	4	• NUT, LOCK 3/8"-16 Gr. 5 - NYL



M191598AB

Index No.	Skyjack Part No.	Qty.	Description
-	191598	1	HARNESS, A/C
1	114595	2	• TERMINAL, Female disc. insulated (22-18 GA)
2	156106	1	• CONNECTOR 1M, W/P
3	156139	1	• TERMINAL, Male sealed (2.0-1.0 mm2), W/P
4	156142	1	• TERMINAL, Female sealed (2.0-1.0 mm2), 280 M/P Tangless
5	124369	2	• SEAL, Wire green (2.2.0 mm), 280 M/P
6	156303	1	• CONNECTOR 1F, 280 M/P
7	156304	1	• TERMINAL, Position assurance 1W 280 M/P

4.25 A/C and Heater Harness



M191490AC

4.25 A/C and Heater Harness

Index No.	Skyjack Part No.	Qty.	Description
-	191490	1	HARNESS, A/C AND HEATER
1	156106	1	• CONNECTOR 1M, W/P
2	156108	1	• CONNECTOR 1F, W/P
3	156147	1	• WIRE SEAL, Gray (3.5-2.8 mm), 280 M/P
4	156104	1	• PLUG CAVITY 1W, 280 M/P & W/P
5	156137	1	• TERMINAL, Female sealed (2.0-1.0 mm ²), W/P
6	156168	1	• PIN, Solid (8-10 AWG)
7	156181	1	• ASSEMBLY, Connector 1M, DTHD
8	156105	1	• CONNECTOR 2M, W/P
9	156139	2	• TERMINAL, Male sealed (2.0-1.0 mm ²), W/P
10	156146	6	• WIRE SEAL, Red (2.2.0 mm), 150 M/P
11	156298	1	• CONNECTOR 6F, 150 M/P
12	124365	6	• TERMINAL, Female sealed (1.0-0.5 mm ²), 150 M/P
13	156299	1	• TERMINAL, position assurance 6W 150 M/P
14	105359	8	• TERMINAL, Female disc. (10-12AWG)
15	156124	1	• TERMINAL, position assurance 3W 150 M/P
16	156131	1	• CONNECTOR 3F, 150 M/P
17	156187	1	• ASSEMBLY, Connector 4F, DTP
18	156158	4	• SOCKET (10-12 AWG), Formed
19	156199	1	• WEDGE, Socket
20	124036	1	• CONNECTOR 2F, W/P
21	156170	4	• WIRE SEAL (2.1-1.2 mm), Light blue
22	156222	1	• TERMINAL, M10 ring (5.0 mm ²)
23	156259	1	• TERMINAL, M10 ring (3.0-2.0 mm ²)

 **Notes**

Section 5 – Electrical

5.1

Chassis Harness

5.2

*Engine Harness 74HP
Assembly*

5.3

*Engine Harness 74HP
Assembly (EMR5)*

5.4

*Engine Harness 107 HP
Assembly*

5.6

Console Harness 74 HP

5.7

*Console Harness Assembly
107 HP*

5.8

DEF Engine Harness

5.9

*Wiring Harness - Fuel Low
Pressure*

5.10

*Wiring Harness - Cable
Alternator*

5.11

Glow Plug Harness Assembly

5.12

Battery

5.13

Battery Cables

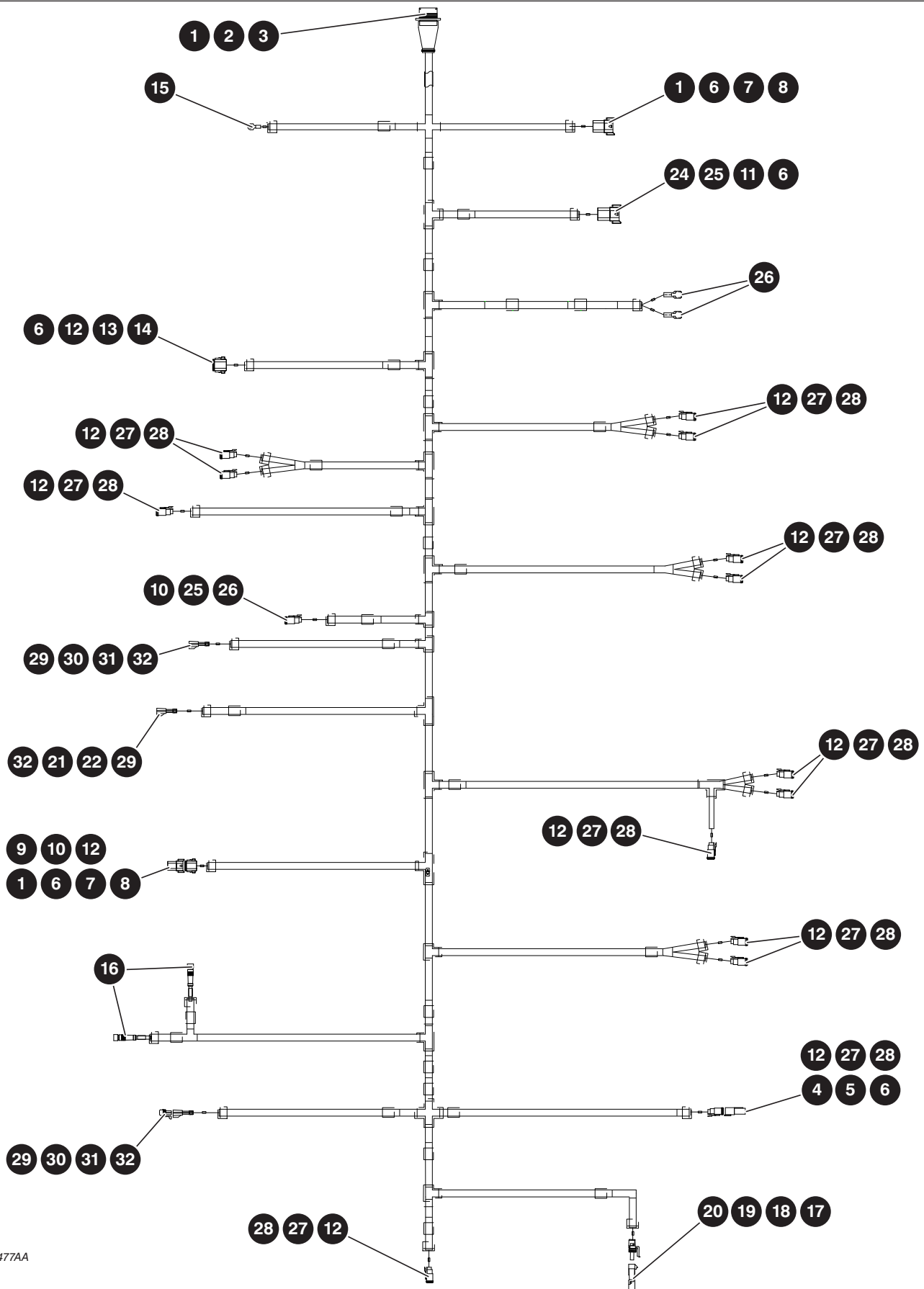
5.14

Battery Disconnect

5.15

Tilt Sensor

5.1 Chassis Harness

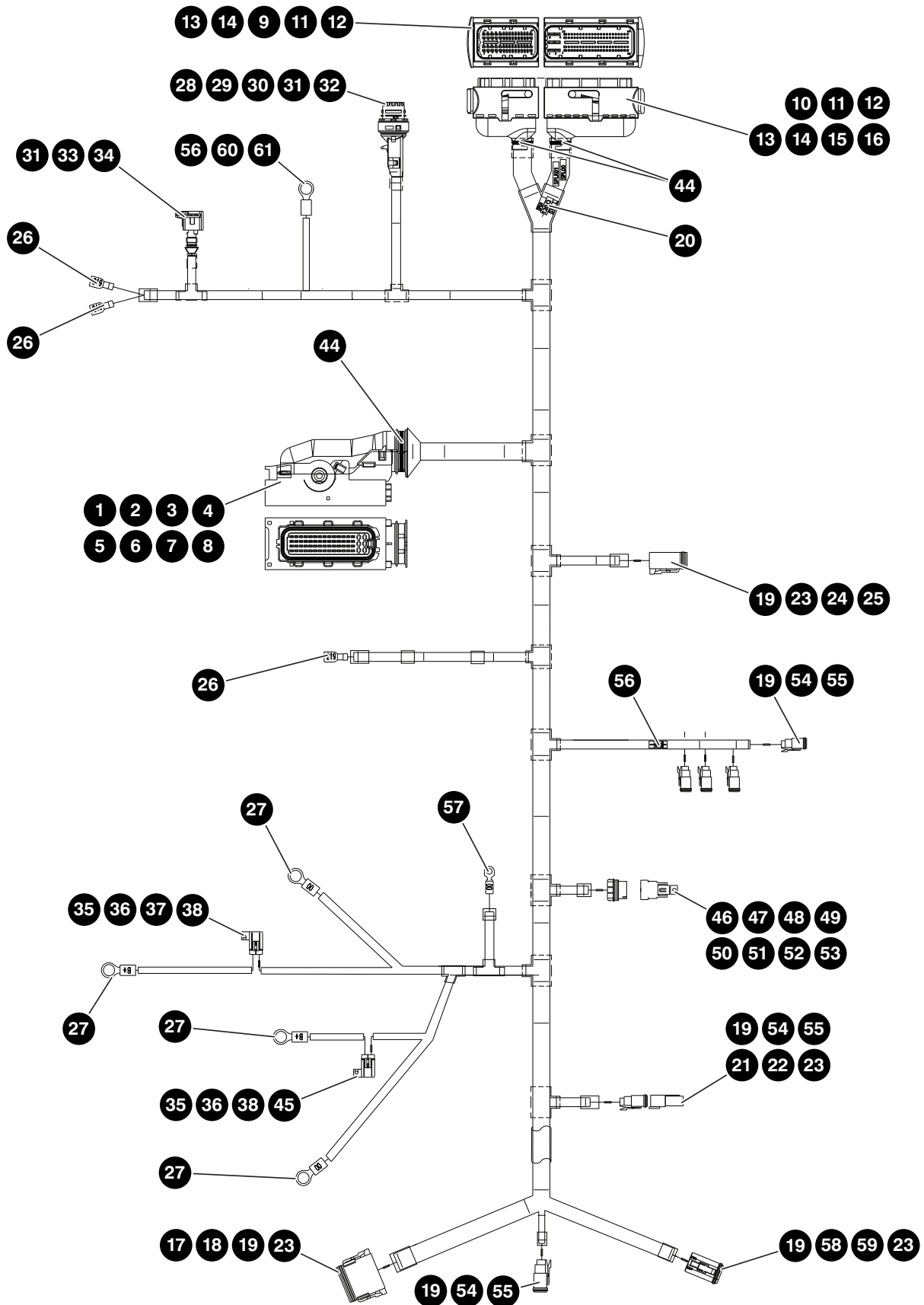


M199477AA

5.1 Chassis Harness

Index No.	Skyjack Part No.	Qty.	Description
-	199477	1	ASSEMBLY, TH CHASSIS HARNESS
1	156155	40	• PIN (16-20 AWG), Solid
2	156189	1	• CONNECTOR, 34M, HD34
3	156195	1	• STRAIN RELIEF, Straight
4	117596	1	• CONNECTOR Assembly 2M, DT
5	117598	1	• WEDGE, Pin W2P
6	117594	18	• PLUG, Sealing
7	117578	2	• CONNECTOR, Receptacle 4pin
8	117580	2	• WEDGE, W4P
9	117579	1	• CONNECTOR, 4F, DT
10	117581	1	• WEDGE, Socket
11	117590	6	• CONNECTOR, Contact pin 16-18
12	117591	40	• SOCKET (16-18 AWG), Solid
13	117583	1	• CONNECTOR, 8F, DT
14	117585	1	• WEDGE, Plug
15	156259	1	• TERMINAL, M10 Ring (3.0-2.0 mm ²)
16	190577	2	• CABLE, Sensor TH
17	156105	1	• CONNECTOR 2M, W/P
18	124036	1	• CONNECTOR 2F, W/P
19	156137	2	• TERMINAL, Female sealed (2.0-1.0 mm ²), W/P
20	156147	2	• SEAL, Wire gray (3.5-2.8 mm), 280 M/P
21	190340	1	• CONNECTOR 3M, 280 M/P
22	190341	1	• TPA, 3W 280 M/P
23	102921	1	• DIODE T6A40L
24	117582	1	• CONNECTOR, 8M, DT
25	117584	1	• PLUG, W8P wedge
26	114595	2	• TERMINAL, Female disc. insulated (22-18 GA)
27	117597	15	• CONNECTOR, 2F, DT
28	117599	15	• WEDGE, Socket W2S
29	156120	2	• TERMINAL, Male (1.0-0.8 mm ²), 280 M/P
30	156144	2	• CONNECTOR 2M, 280 M/P
31	156145	2	• TPA, 2W 280 M/P
32	124369	2	• SEAL, Wire green (2.2.0 mm), 280 M/P

5.2 Engine Harness 74HP Assembly

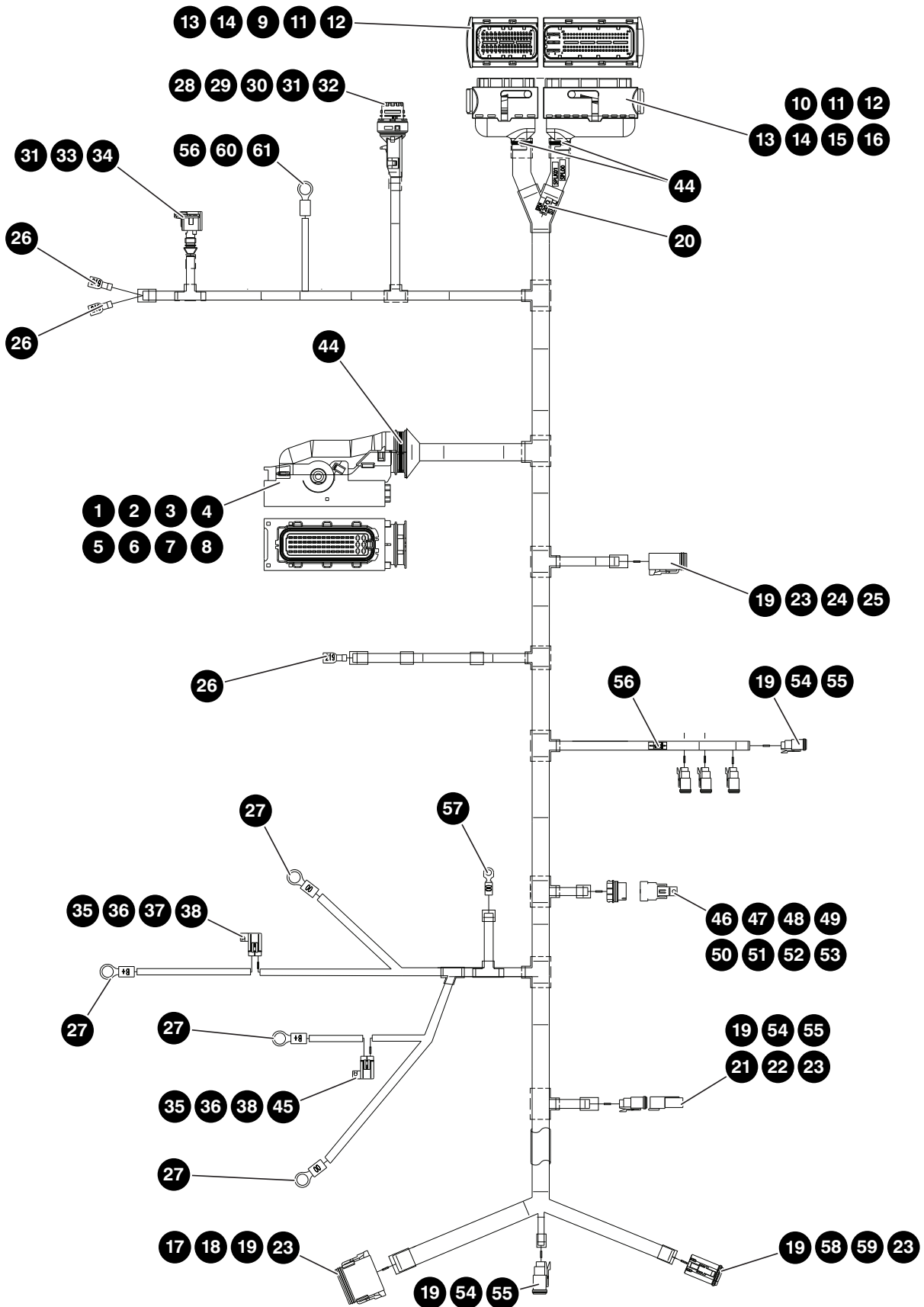


M209178AC

5.2 Engine Harness 74HP Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	209178	1	HARNESS, ENGINE DEUTZ 3.6L 74 HP - ECU on Engine tray - EMR4 SJ1044 TH: For serial numbers 87 210 001 - 87 210 170 SJ1056 TH: For serial numbers 87 310 001 - 87 311 997
-	232310	1	HARNESS, ENGINE DEUTZ 3.6L 74 HP - ECU on frame - EMR4 SJ1044 TH: For serial numbers 87 210 171 - 87 210 197 SJ1056 TH: For serial numbers 87 311 998 - 87 312 750
1	164544	1	• ASSEMBLY, Connector 62F, AMP MCP
2	164545	1	• COVER, 62 pin connector
3	164546	32	• TERMINAL, Female (1.0-0.5mm ²), MCP
4	164547	32	• WIRE SEAL GREY (1.4-1.9mm), MCP
5	164548	24	• CAVITY PLUG 3.6mm, MCP
6	164549	2	• TERMINAL, Female (2.5-1.0mm ²), MCP
7	164550	2	• WIRE SEAL, White (2.2-3.0mm), MCP
8	164551	4	• CAVITY PLUG 5.4mm, MCP
9	164556	1	• ASSEMBLY, Connector 60F, AMP MQS
10	164567	1	• ASSEMBLY, Connector 94F, AMP MQS+MCP
11	164561	45	• TERMINAL, Female (0.75-0.5 mm ²), MQS
12	164562	15	• TERMINAL, Female (1.5-0.75mm ²), MQS
13	164563	76	• CAVITY PLUG, MQS
14	164564	12	• CAVITY PLUG, MQS
15	164572	6	• TERMINAL, Female (2.5-1.0mm ²), MCP2.8
16	164573	6	• WIRE SEAL, Yellow (2.7-3.0mm), JPT/MCP
17	117587	1	• CONNECTOR, Plug 12-pin
18	117589	1	• CONNECTOR, Plug 12-pin wedge
19	117591	34	• CONNECTOR, Contact socket 16-18
20	163021	1	• RESISTOR
21	117596	1	• ASSEMBLY, Connector 2M, DT
22	117598	1	• WEDGE, PIN W2P
23	117594	4	• CONNECTOR, PI, Sealing
24	117579	1	• CONNECTOR, Plug, 4-pin
25	117581	1	• CONNECTOR, Plug, 4-pin Wedge
26	105359	3	• TERMINAL, Female 14-16GA INSL.Blue
27	156219	4	• TERMINAL, M8 RING (5.0 mm ²)
28	164579	1	• CONNECTOR 4F, 2.5mm Circular
29	164580	1	• STRAIN RELIEF, Straight
30	164581	3	• TERMINAL FEMALE (1.0-0.5mm ²), 2.5mm circ.
			Part list continued in following page

5.2 Engine Harness 74HP Assembly

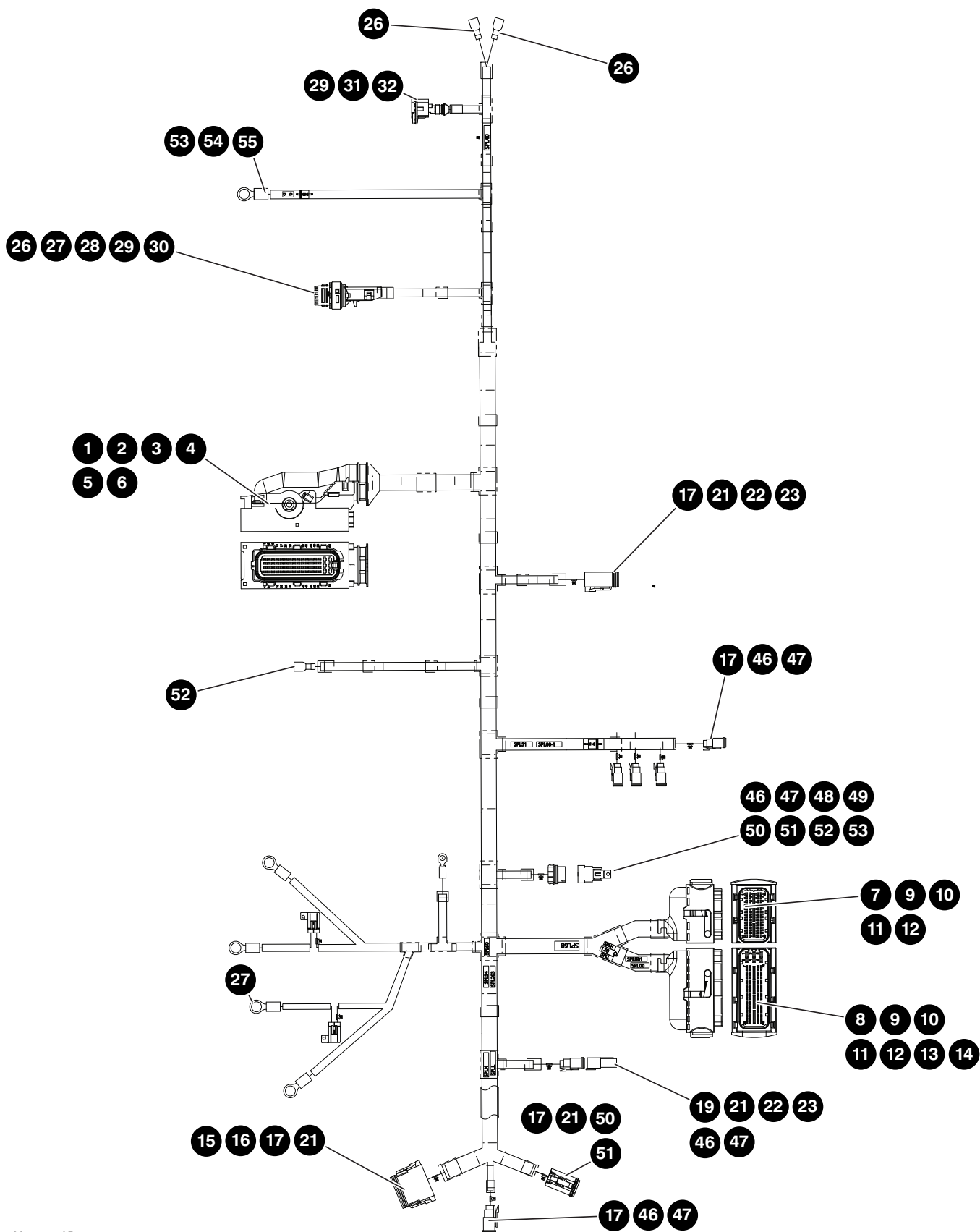


M209178AC

5.2 Engine Harness 74HP Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Parts list continued from previous page
31	164578	5	• WIRE SEAL (1.2-2.1mm), LT. blue
32	156172	1	• CAVITY PLUG, JPT
33	156163	1	• ASSEMBLY, Connector 2F, AMP
34	156174	2	• TERMINAL, Female (1.0-0.5 mm2), JPT
35	156127	2	• CONNECTOR 2F, 630 M/P Fuse holder
36	156118	4	• TERMINAL, Female (5.0-3.0 mm2), 630 M/P Pull-to-seat
37	156164	1	• FUSE, 30A
38	156117	2	• COVER, Inline autofuse
39	124399	126	• WIRE PROTECTOR 1/4" ID
40	120748	12	• WIRE PROTECTOR 1/2" ID
41	164582	106	• WIRE PROTECTOR 1" ID
42	164583	5	• WIRE PROTECTOR 1-1/4" ID
43	113719	51	• TIEWRAP, 3-5/8" Long black
44	102891	3	• TIEWRAP, 7-1/4" Long black
45	121504	1	• FUSE, 20A
46	156104	4	• PLUG CAVITY 1W, 280 M/P & W/P
47	156132	1	• CONNECTOR 5F, 280 M/P
48	156133	1	• TPA, 5W 280 M/P
49	156134	2	• TERMINAL, Female sealed (5.0-3.0 mm2), 280M/P Tangless
50	156142	2	• TERMINAL, Female sealed (2.0-1.0 mm2), 280 M/P Tangless
51	156147	2	• WIRE SEAL, Gray (3.5-2.8 mm), 280 M/P
52	124369	2	• WIRE SEAL, Green - "15324982"
53	156200	1	• RELAY
54	117597	6	• ASSEMBLY, Connector 2F, DT
55	117599	6	• WEDGE, Socket
56	102921	2	• DIODE T6A40L
57	156221	1	• TERMINAL, M10 Ring (2X 1.0-0.8mm2)
58	117583	1	• ASSEMBLY, Connector 8F, DT
59	117585	1	• WEDGE, Socket
60	134493	1	• TERMINAL, Ring, 0.22-16GA x 1/4", red
61	220147	1	• RESISTOR, 47 ohm, 5 watt

5.3 Engine Harness 74HP Assembly (EMR5)

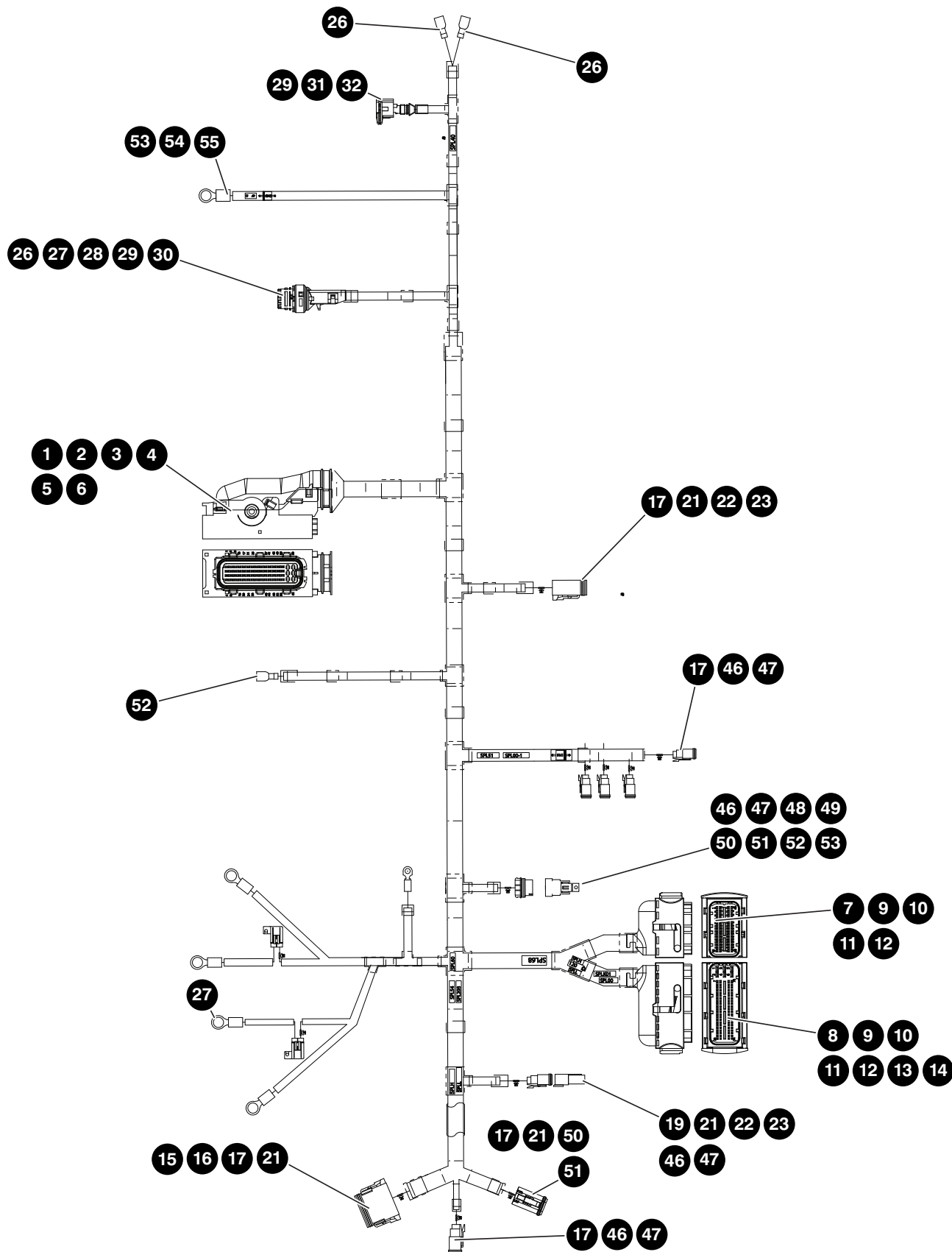


M250035AB

5.3 Engine Harness 74HP Assembly (EMR5)

Index No.	Skyjack Part No.	Qty.	Description
-	250035	1	HARNESS, ENGINE DEUTZ 3.6L 74 HP SJ1044 TH: For serial numbers 87 210 198 and above. SJ1056 TH: For serial numbers 87 312 751 and above.
1	164544	1	• ASSEMBLY, Connector 62F, AMP MCP
2	164545	1	• COVER, 62 pin connector
3	164546	32	• TERMINAL, Female (1.0-0.5mm ²), MCP
4	164547	32	• WIRE SEAL GREY (1.4-1.9mm), MCP
5	164548	24	• CAVITY PLUG 3.6mm, MCP
6	164551	4	• CAVITY PLUG 5.4mm, MCP
7	164556	1	• ASSEMBLY, Connector 60F, AMP MQS
8	164567	1	• ASSEMBLY, Connector 94F, AMP MQS+MCP
9	164561	45	• TERMINAL, Female (0.75-0.5 mm ²), MQS
10	164562	15	• TERMINAL, Female (1.5-0.75mm ²), MQS
11	164563	76	• CAVITY PLUG, MQS
12	164564	12	• CAVITY PLUG, MQS
13	164572	6	• TERMINAL, Female (2.5-1.0mm ²), MCP2.8
14	164573	6	• WIRE SEAL, Yellow (2.7-3.0mm), JPT/MCP
15	248580	1	• CONNECTOR, Sealed 12F
16	117589	1	• CONNECTOR, Plug 12-pin wedge
17	117591	34	• CONNECTOR, Contact socket 16-18
18	163021	1	• RESISTOR
19	117596	1	• ASSEMBLY, Connector 2M, DT
20	117598	1	• WEDGE, PIN W2P
21	117594	4	• CONNECTOR, PI, Sealing
22	248581	1	• CONNECTOR, 4F
23	117581	1	• CAVITY PLUG, JPT
24	105568	2	• TERMINAL, Female (10-12 AWG)
25	248583	4	• TERMINAL, Ring (M8)
26	164579	2	• CONNECTOR 2F, 630 M/P Fuse holder
27	164580	4	• TERMINAL, Female (5.0-3.0 mm ²), 630 M/P Pull-to-seat
28	164581	1	• FUSE, 30A
			Part list continued in following page

5.3 Engine Harness 74HP Assembly (EMR5)

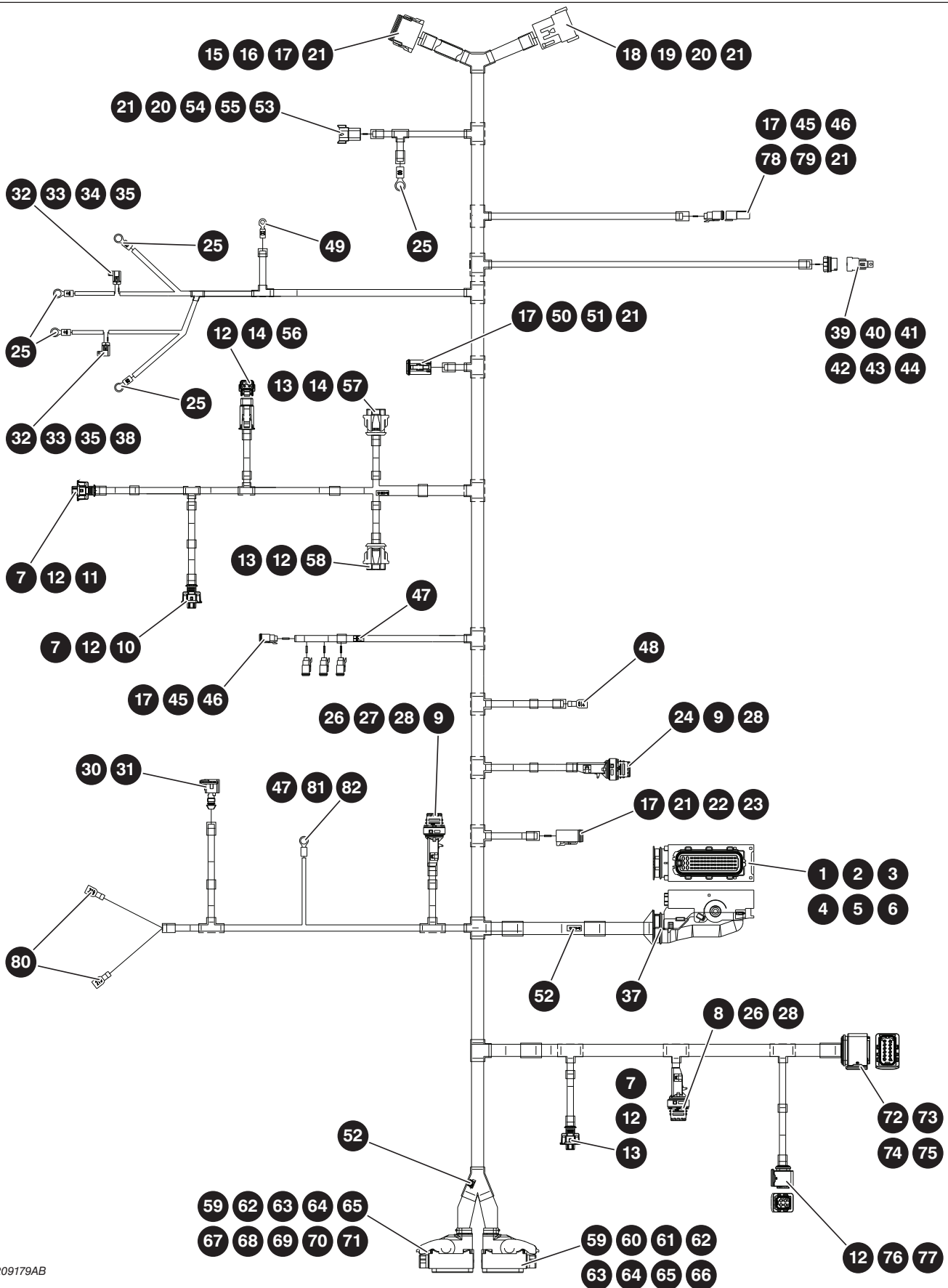


M250035AB

5.3 Engine Harness 74HP Assembly (EMR5)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Parts list continued from previous page
29	164578	5	• WIRE SEAL (1.2-2.1mm), LT. blue
30	156172	1	• CAVITY PLUG, JPT
31	156163	1	• ASSEMBLY, Connector 2F, AMP
32	156174	2	• TERMINAL, Female (1.0-0.5 mm2), JPT
33	156127	2	• CONNECTOR 2F, 630 M/P Fuse holder
34	156118	4	• TERMINAL, Female (5.0-3.0 mm2), 630 M/P Pull-to-seat
35	156164	1	• FUSE, 30A
36	156117	2	• COVER, Inline autofuse
37	121504	1	• FUSE, 20A
38	156104	4	• CAVITY, Plug (1W)
39	156132	1	• CONNECTOR 5F
40	156133	1	• TPA, 5W 280 M/P
41	156134	2	• TERMINAL, Female sealed (5.0-3.0 mm2), 280M/P Tangless
42	156142	2	• TERMINAL, Female sealed (2.0-1.0 mm2), 280 M/P Tangless
43	156147	2	• WIRE SEAL, Gray (3.5-2.8 mm), 280 M/P
44	258584	2	• WIRE SEAL, purple (2.15-1.6mm)
45	156200	1	• RELAY
46	248582	9	• CONNECTOR, 2F Sealed
47	117599	6	• WEDGE, Socket
48	102921	2	• DIODE T6A40L
49	156259	1	• TERMINAL, M10 Ring (3.0-2.0mm2)
50	117583	1	• ASSEMBLY, Connector 8F, DT
51	117585	1	• WEDGE, Socket
52	105359	1	• TERMINAL, Female (14-16GA)
53	134493	1	• TERMINAL, Ring (22-16GA)
54	220147	1	• RESISTOR, 47 OHM

5.4 Engine Harness 107 HP Assembly

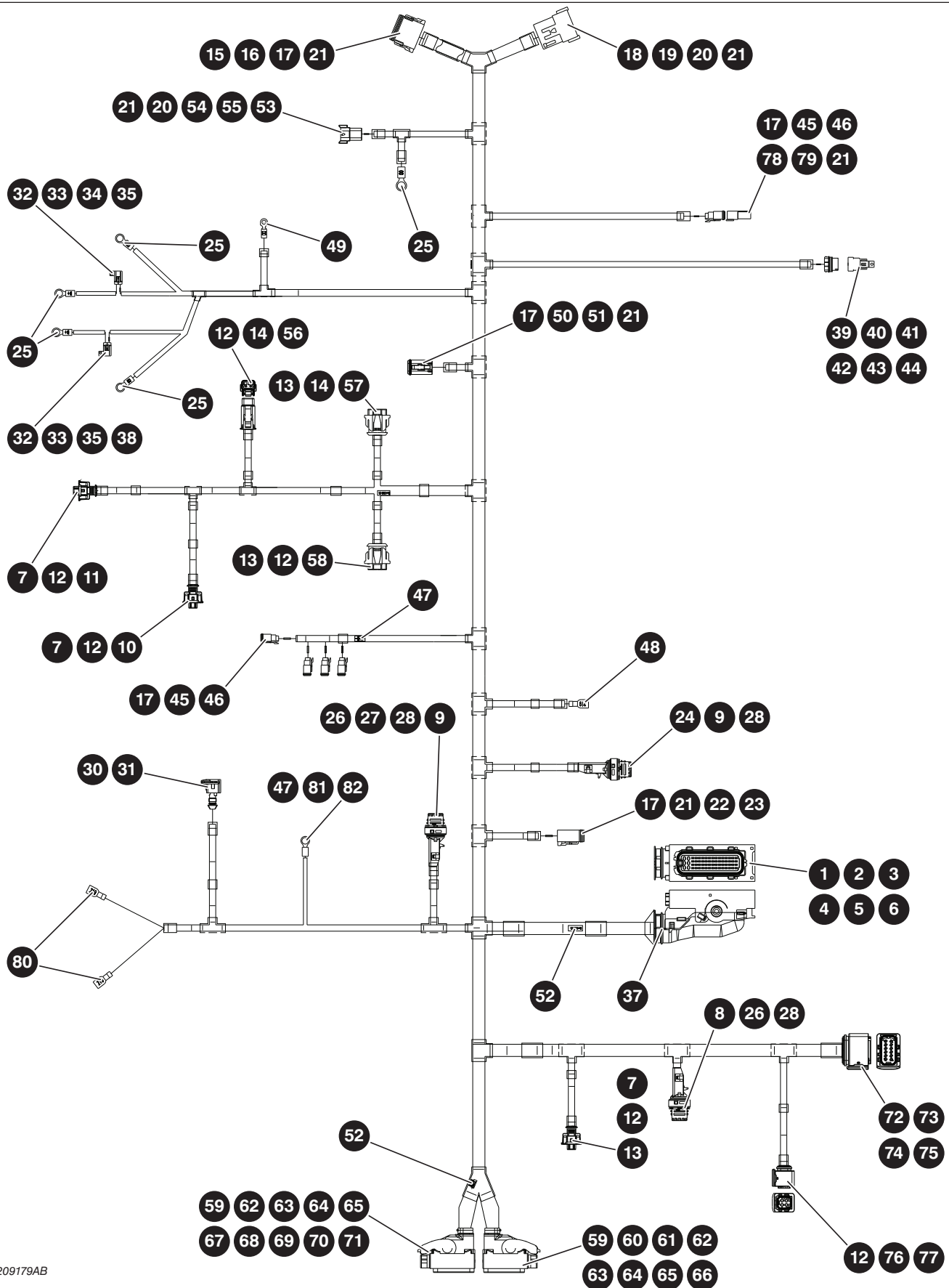


M209179AB

5.4 Engine Harness 107 HP Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	209179	-	HARNESS, ENGINE DEUTZ 3.6L 107 HP - ECU on Engine tray - EMR4 SJ1044 THS: For serial numbers 87 210 001 - 87 210 170 SJ1056 THS: For serial numbers 87 310 001 - 87 311 997
-	232311	-	HARNESS, ENGINE DEUTZ 3.6L 107 HP - ECU on frame - EMR4 SJ1044 THS: For serial numbers 87 210 171 - 87 210 197 SJ1056 THS: For serial numbers 87 311 998 - 87 312 750
1	164544	1	• ASSEMBLY, Connector 62F, AMP MCP
2	164545	1	• COVER, 62 pin connector
3	164546	40	• TERMINAL FEMALE (1.0-0.5mm ²), MCP
4	164548	18	• CAVITY PLUG 3.6mm, MCP
5	164549	4	• TERMINAL FEMALE (2.5-1.0mm ²), MCP
6	164551	2	• CAVITY PLUG 5.4mm, MCP
7	191027	3	• SOCKET HOUSING
8	191630	2	• SEAL, Wire 13-17 AWG
9	190372	5	• SEAL, Wire
10	191631	2	• TERMINAL, Female BDK 2.8 0.5 - 1.0 mm ² Gold
11	191632	2	• TERMINAL, Female BDK 2.8 0.5 - 1.0 mm ² Silver
12	164578	18	• SEAL, WIRE
13	191040	10	• TERMINAL, 0.5 - 1.0 MM2
14	191633	1	• PLUG, Socket 16-20AWG
15	117587	1	• CONNECTOR, Plug 12-pin
16	117589	1	• CONNECTOR, Plug 12-pin wedge
17	117591	34	• CONNECTOR, Contact socket 16-18
18	117586	1	• CONNECTOR, Receptacle 12-pin
19	117588	1	• CONNECTOR, Receptacle 12-pin wedge
20	117590	17	• CONNECTOR, Contact pin 16-18
21	117594	6	• CONNECTOR, Sealing plug
22	117579	1	• CONNECTOR, Plug 4-pin
23	117581	1	• CONNECTOR, Plug 4-pin wedge
24	198634	1	• CONNECTOR 4F, 2.5mm Circular
25	156219	5	• TERMINAL, M8 Ring (5.0 mm ²)
26	164579	2	• CONNECTOR 4F, 2.5mm Circular
27	164580	1	• STRAIN Relief, Straight
28	164581	8	• TERMINAL FEMALE (1.0-0.5mm ²), 2.5mm CIRC.
29	164551	3	• CAVITY PLUG, JPT
30	156163	1	• ASSEMBLY, Connector 2F, AMP
31	156174	2	• TERMINAL, Female (1.0-0.5 mm ²), JPT
32	156127	2	• CONNECTOR 2F, 630 M/P Fuse holder
33	156118	4	• TERMINAL, Female (5.0-3.0 mm ²), 630 M/P pull-to-seat
34	156164	1	• FUSE, 30A
35	156117	2	• COVER, Inline autofuse
36	113719	51	• TIEWRAP 3 5/8 Long black
37	102891	3	• TIEWRAP 7 1/4 Long black
38	121504	1	• FUSE, 20A
			Part list continued in following page

5.4 Engine Harness 107 HP Assembly

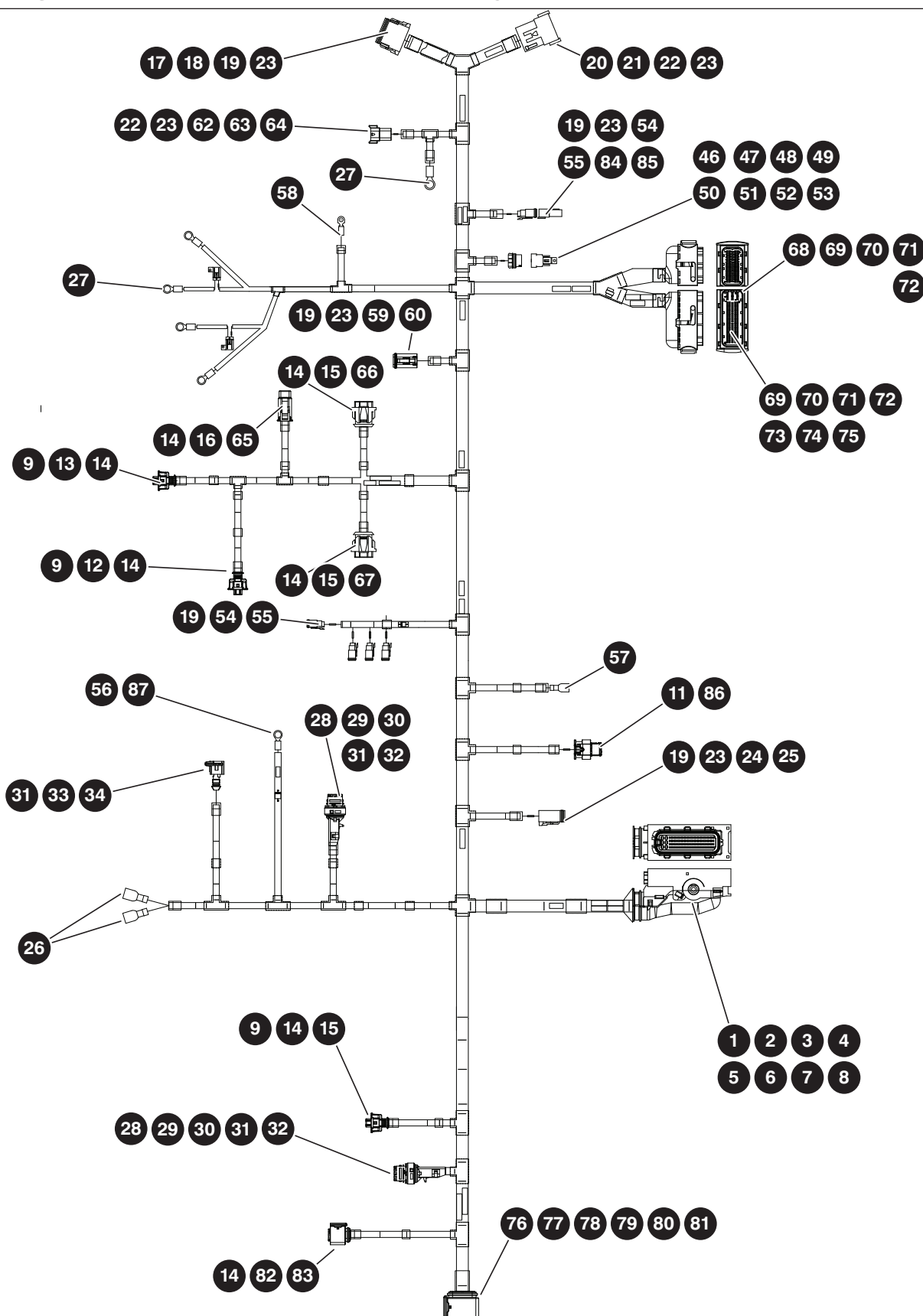


M209179AB

5.4 Engine Harness 107 HP Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
39	156104	4	• PLUG CAVITY 1W, 280 M/P & W/P
40	156132	1	• CONNECTOR 5F, 280 M/P
41	156133	1	• TPA, 5W 280 M/P
42	156134	2	• TERMINAL, Female sealed (5.0-3.0 mm ²), 280M/P tangless
43	156142	2	• TERMINAL, Female sealed (2.0-1.0 mm ²), 280 M/P tangless
44	156200	1	• RELAY
45	117597	5	• ASSEMBLY, Connector 2F, DT
46	117599	5	• WEDGE, Socket
47	102921	2	• DIODE T6A40L
48	105359	3	• TERMINAL, Female 14-16GA INSL.Blue
49	156221	1	• TERMINAL, M10 RING (2X 1.0-0.8mm ²)
50	117583	1	• ASSEMBLY, Connector 8F, DT
51	117585	1	• WEDGE, Socket
52	163021	3	• RESISTOR
53	117592	1	• CONNECTOR, Contact pin 14-16
54	117582	1	• ASSEMBLY, Connector 8M, DT
55	117584	1	• W8P WEDGE, Pin
56	191629	2	• TERMINAL, Socket 16-22 AWG
57	191634	1	• CONNECTOR, 4W Compact 1.1M
58	191635	1	• CONNECTOR, 4W Compact 1.1M OX
59	191013	2	• COVER, 105-WAY / 91-WAY
60	191014	1	• CONTACT HOUSING, 105-way
61	191015	1	• SECONDARY LOCK SIGNAL, 105-way
62	191016	66	• TERMINAL, MATRIX 1.2 - Clean body
63	191017	22	• TERMINAL, MATRIX 1.2 - Clean body 1.5MM ²
64	191018	94	• CAVITY, PLUG 3/4"MM ²
65	191019	8	• CAVITY, PLUG
66	191020	1	• RETAINING PLATE, 105P
67	191021	1	• CONTACT HOUSING, 91-WAY
68	191022	1	• SECONDARY Lock signal, 91P
69	191023	1	• SECONDARY Lock power, 94P
70	191024	6	• TERMINAL, 2.8 BTL
71	191026	1	• RETAINING Plate, 91P
72	191623	7	• TERMINAL, Female 1.5 MCP 17-20 AWG
73	191626	2	• PLUG, Cavity
74	191627	3	• TERMINAL, Female 1.5MCP 15-17 AWG
75	191628	1	• CONNECTOR, MCP1.5 12 Socket
76	191636	1	• CONNECTOR, MCP 4W Socket
77	191637	4	• TERMINAL, Female 0.5-1.0 MM ² Gold
78	117596	1	• ASSEMBLY, Connector 2M, DT
79	117598	1	• WEDGE, PIN W2P
80	105359	2	• TERMINAL, Female, 14-16ga, insulated blue
81	134493	1	• TERMINAL, Ring, 0.22-16GA x 1/4", red
82	220147	1	• RESISTOR, 47 ohm, 5 watt

5.5 Engine Harness 107 HP Assembly (EMR5)

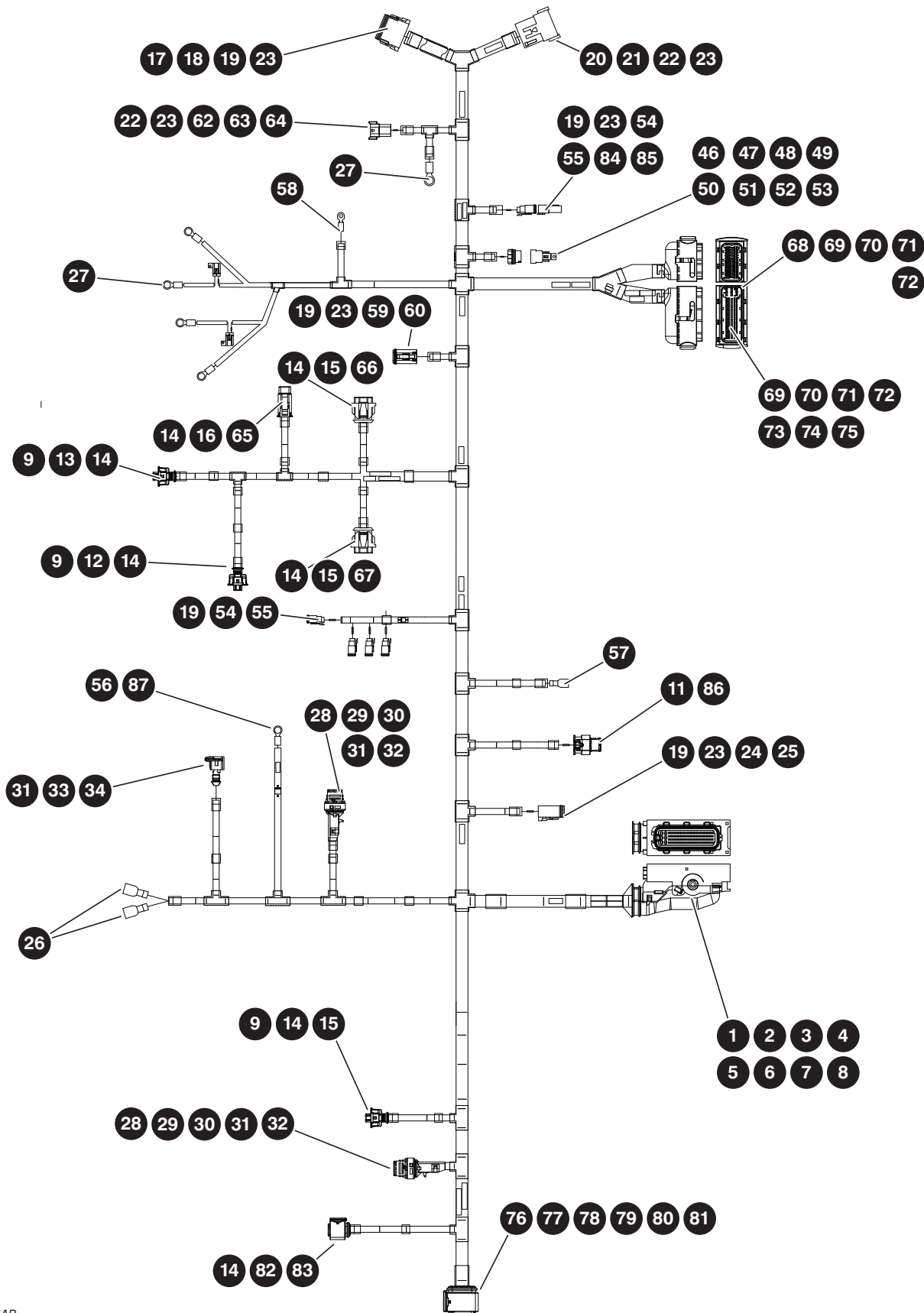


M244504AB

5.5 Engine Harness 107 HP Assembly (EMR5)

Index No.	Skyjack Part No.	Qty.	Description
-	244504	-	HARNESS, ENGINE DEUTZ 3.6L 107 HP EMR5 SJ1044 THS: For serial numbers 87 210 198 and above. SJ1056 THS: For serial numbers 87 312 751 and above.
1	164544	1	• ASSEMBLY, Connector 62F, AMP MCP
2	164545	1	• COVER, 62 pin connector
3	164546	40	• TERMINAL FEMALE (1.0-0.5mm ²), MCP
4	164547	40	• SEAL, Wire (1.4-1.9mm) - grey
5	164548	18	• CAVITY PLUG 3.6mm, MCP
6	164549	4	• TERMINAL FEMALE (2.5-1.0mm ²), MCP
7	164550	2	• SEAL, Wire (2.3-3.0mm) - white
8	164551	2	• CAVITY PLUG 5.4mm, MCP
9	191027	3	• SOCKET HOUSING
10	191630	2	• SEAL, Wire 13-17 AWG
11	244506	3	• TERMINAL, Female (18-20 GA)
12	191631	2	• TERMINAL, Female BDK 2.8 0.5 - 1.0 mm ² Gold
13	191632	2	• TERMINAL, Female BDK 2.8 0.5 - 1.0 mm ² Silver
14	164578	18	• SEAL, WIRE
15	191040	10	• TERMINAL, 0.5 - 1.0 MM2
16	191633	1	• PLUG, Socket 16-20AWG
17	117587	1	• CONNECTOR, Plug 12-pin
18	117589	1	• CONNECTOR, Plug 12-pin wedge
19	117591	34	• CONNECTOR, Contact socket 16-18
20	117586	1	• CONNECTOR, Receptacle 12-pin
21	117588	1	• CONNECTOR, Receptacle 12-pin wedge
22	117590	17	• CONNECTOR, Contact pin 16-18
23	117594	6	• CONNECTOR, Sealing plug
24	117579	1	• CONNECTOR, Plug 4-pin
25	117581	1	• CONNECTOR, Plug 4-pin wedge
26	105359	1	• TERMINAL, Female (14-16GA)
27	156219	5	• TERMINAL, M8 Ring (5.0 mm ²)
28	164579	2	• CONNECTOR 4F, 2.5mm Circular
29	164580	1	• STRAIN Relief, Straight
30	164581	8	• TERMINAL FEMALE (1.0-0.5mm ²), 2.5mm CIRC.
31	164578	18	• SEAL, Wire
32	164551	3	• CAVITY PLUG, JPT
33	156163	1	• ASSEMBLY, Connector 2F, AMP
34	156174	2	• TERMINAL, Female (1.0-0.5 mm ²), JPT
35	156127	2	• CONNECTOR 2F, 630 M/P Fuse holder
36	156118	4	• TERMINAL, Female (5.0-3.0 mm ²), 630 M/P pull-to-seat
37	156164	1	• FUSE, 30A
38	156117	2	• COVER, Inline autofuse
39	124399	138	• PROTECTOR, Wire (1/4")
40	120748	12	• PROTECTOR, Wire (1/2")
41	164582	106	• PROTECTOR, Wire (1")
42	164583	32	• PROTECTOR, Wire (1-1/4")
-	-	-	Part list continued in following page

5.5 Engine Harness 107 HP Assembly (EMR5)



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5.5 Engine Harness 107 HP Assembly (EMR5)

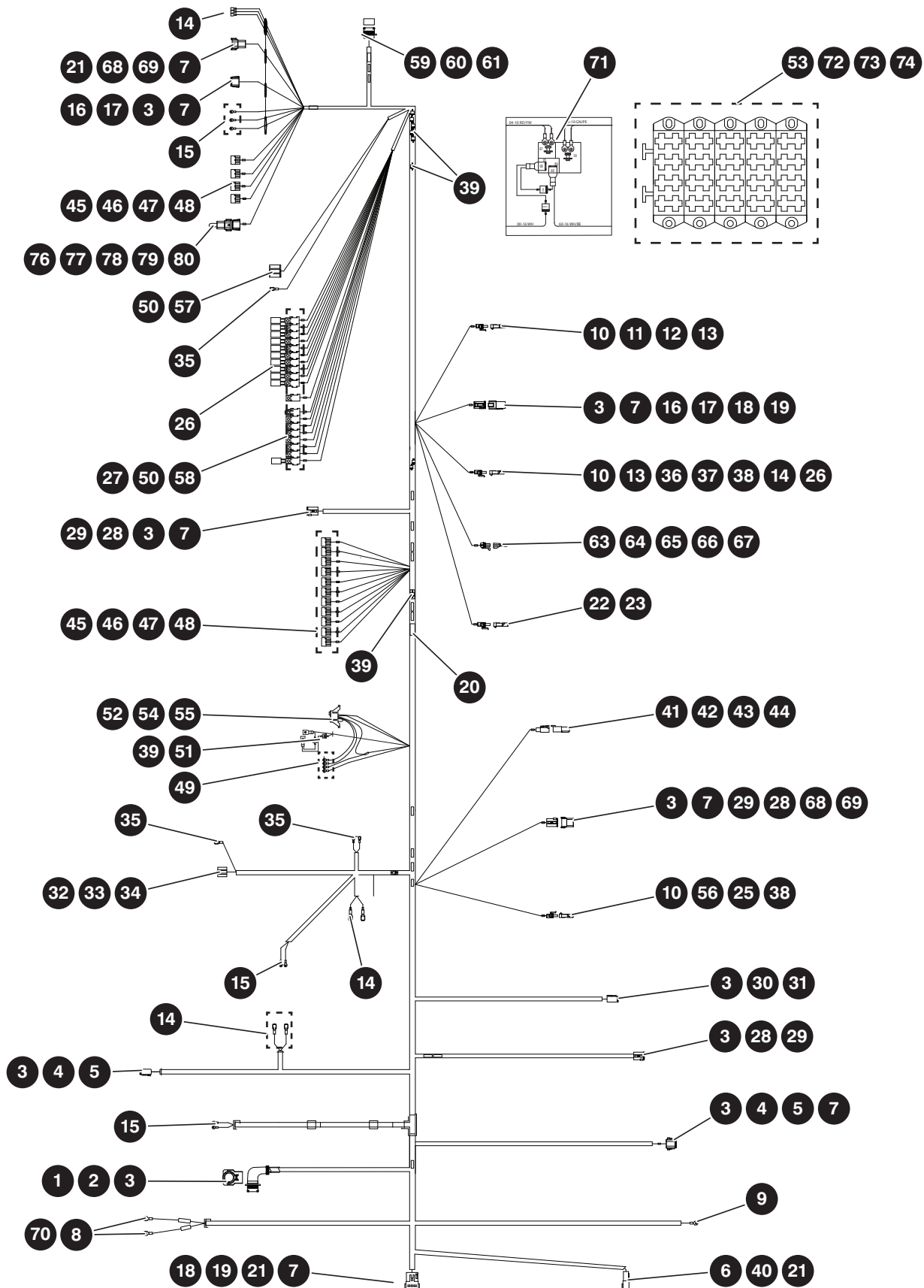
Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
43	113719	51	• TIEWRAP 3 5/8 Long black
44	102891	3	• TIEWRAP 7 1/4 Long black
45	121504	1	• FUSE, 20A
46	156104	4	• PLUG CAVITY 1W, 280 M/P & W/P
47	156132	1	• CONNECTOR 5F, 280 M/P
48	156133	1	• TPA, 5W 280 M/P
49	156134	2	• TERMINAL, Female sealed (5.0-3.0 mm2), 280M/P tangless
50	156142	2	• TERMINAL, Female sealed (2.0-1.0 mm2), 280 M/P tangless
51	156147	2	• SEAL, Wire (280 M/P) - gray
52	124369	2	• SEAL, Wire (280 M/P) - green
53	156200	1	• RELAY
54	117597	5	• ASSEMBLY, Connector 2F, DT
55	117599	5	• WEDGE, Socket
56	102921	1	• DIODE T6A40L
57	105359	3	• TERMINAL, Female 14-16GA INSL.Blue
58	156221	1	• TERMINAL, M10 RING (2X 1.0-0.8mm2)
59	117583	1	• ASSEMBLY, Connector 8F, DT
60	117585	1	• WEDGE, Socket
61	163021	3	• RESISTOR
62	117592	1	• CONNECTOR, Contact pin 14-16
63	117582	1	• ASSEMBLY, Connector 8M, DT
64	117584	1	• W8P WEDGE, Pin
65	191629	2	• TERMINAL, Socket 16-22 AWG
66	191634	1	• CONNECTOR, 4W Compact 1.1M
67	191635	1	• CONNECTOR, 4W Compact 1.1M OX
68	164556	1	• CONNECTOR, 4W Compact 1.1M OX
69	164561	80	• ASSEMBLY, Connector 60F
70	164562	16	• TERMINAL, Female (0.75-0.5mm2)
71	164563	40	• PLUG, Cavity (0.35-0.75mm2)
72	164564	12	• PLUG, Cavity (1.5mm)
73	164567	1	• ASSEMBLY, Connector 94F
74	164572	6	• TERMINAL, Female (2.5-1.0mm2)
75	164573	6	• SEAL, Wire - yellow
76	191623	7	• TERMINAL, Female 1.5 MCP 17-20 AWG
77	191624	7	• WIRE SEAL - grey
78	191625	3	• WIRE SEAL - yellow
79	191626	2	• PLUG, Cavity
80	191627	3	• TERMINAL, Female 1.5MCP 15-17 AWG
81	191628	1	• CONNECTOR, MCP1.5 12 Socket
82	191636	1	• CONNECTOR, MCP 4W Socket
83	191637	4	• TERMINAL, Female 0.5-1.0 MM2 Gold
84	117596	1	• ASSEMBLY, Connector 2M, DT
85	117598	1	• WEDGE, PIN W2P
86	244505	2	• CONNECTOR 3F
87	134493	1	• TERMINAL, Ring, 0.22-16GA x 1/4", red



5.6 Console Harness 74 HP

Index No.	Skyjack Part No.	Qty.	Description
-	216785	1	HARNESS, CONSOLE UNIVERSAL
1	156190	1	• CONNECTOR ASSEMBLY 34F, HD34
2	156196	1	• STRAIN RELIEF, 90 DEG
3	117591	72	• SOCKET (16-18 AWG), SOLID
4	117579	2	• CONNECTOR ASSEMBLY 4F, DT
5	117581	2	• WEDGE, SOCKET
6	117596	1	• CONNECTOR ASSEMBLY 2M, DT
7	117594	48	• SEALING PLUG
8	190376	2	• WIRE-GREY FUSIBLE LINK 14 AWG
9	156222	1	• TERMINAL, M10 RING (5.0 mm ²)
10	156104	8	• PLUG CAVITY 1W, 280 M/P & W/P
11	156106	1	• CONNECTOR 1M, W/P
12	156108	1	• CONNECTOR 1F, W/P
13	156137	2	• TERMINAL FEMALE SEALED (2.0-1.0 mm ²), W/P
14	105359	7	• TERMINAL, FEMALE DISC. INSULATED (14-16 GA)
15	102936	7	• TERMINAL, 14-16AWG, #10 RING BLUE
16	117587	1	• CONNECTOR - PLUG 12-PIN
17	117589	1	• CONNECTOR - PLUG 12-PIN WEDGE
18	117586	2	• CONNECTOR RECEPTACLE 12-PIN
19	117588	2	• CONNECTOR RECEPTACLE 12-PIN WEDGE
20	164855	2	• RESISTOR 1.0K 1/2 WATT AXIAL LEAD
21	117590	17	• CONNECTOR - CONTACT PIN 16-18
22	156109	1	• CONNECTOR 4F, W/P
23	156137	6	• TERMINAL FEMALE SEALED (2.0-1.0 mm ²), W/P
24	156259	1	• TERMINAL, M10 RING (3.0-2.0 mm ²)
25	124036	1	• CONNECTOR ASSEMBLY 2F, W/P
26	931298	12	• RELAY, MINI ISO
27	156166	21	• SOCKET, RELAY
28	117583	2	• CONNECTOR ASSEMBLY 8F, DT
29	117585	2	• WEDGE, SOCKET
30	156180	1	• CONNECTOR ASSEMBLY 6F, DT
31	156194	1	• WEDGE, PLUG
32	156101	1	• CONNECTOR 6F, 56 SERIES
33	156135	3	• TERMINAL FEMALE (2.0-1.0 mm ²), 56 SERIES
34	156136	1	• TERMINAL FEMALE (2x 2.0-1.0 mm ²), 56 SERIES
35	114595	5	• TERMINAL, FEMALE DISC. INSULATED (22-18 GA)
36	156113	1	• CONNECTOR 3M, W/P
37	156114	1	• CONNECTOR 3F, W/P
38	156138	3	• TERMINAL FEMALE SEALED (3.0-2.0 mm ²), W/P
39	102921	11	• DIODE T6A40L
40	117598	1	• WEDGE, PIN W2P
Part list continued in following page			

5.6 Console Harness 74 HP

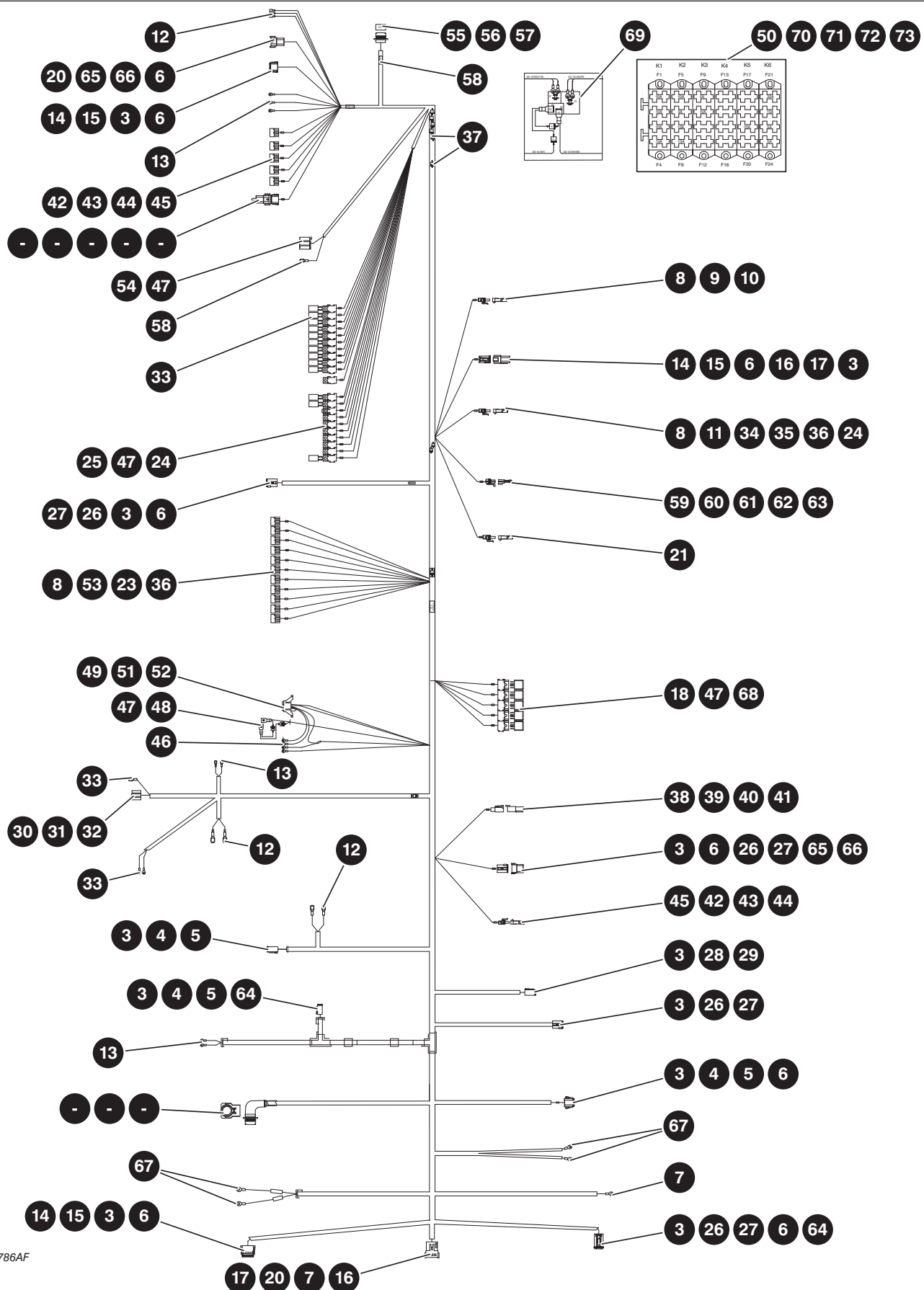


M216785AF

5.6 Console Harness 74 HP

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
41	156157	1	• SOCKET (8-10 AWG), SOLID
42	156182	1	• CONNECTOR ASSEMBLY 1F, DTHD
43	156181	1	• CONNECTOR ASSEMBLY 1M, DTHD
44	156168	1	• PIN (8-10 AWG), SOLID
45	156162	15	• SOCKET, 10-WAY
46	164551	65	• CAVITY PLUG, JPT
47	156173	6	• TERMINAL FEMALE (2.5-1.5 mm2), JPT
48	156174	66	• TERMINAL FEMALE (1.0-0.5 mm2), JPT
49	156215	4	• TERMINAL, M5 RING (5.0 mm2)
50	126808	35	• TERMINAL FEMALE (2.0-0.8 mm2), FASTIN-FASTON
51	105358	1	• TERMINAL/F 14-16GA X 1/4
52	156102	25	• TERMINAL FEMALE (5.0-3.0 mm2), PACK-CON
53	156103	5	• FUSEBLOCK
54	156110	12	• TERMINAL FEMALE (2.0-1.0 mm2), PACK-CON
55	156111	1	• TERMINAL FEMALE (0.8-0.5 mm2), PACK-CON
56	156105	1	• CONNECTOR 2M, W/P
57	156165	1	• SOCKET, RELAY
58	199144	48	• TERMINAL, 0.187 SRS FASTIN-ON RCPT PH-BR
59	164860	1	• CONNECTOR ASSEMBLY, 12F CANNON TRIDENT
60	164861	1	• CABLE CLAMP, CANNON TRIDENT
61	164862	4	• TERMINAL FEMALE, 18-16GA GOLD CANNON TRIDENT
62	163021	2	• RESISTOR
63	156125	6	• PLUG CAVITY 1W, 150 M/P
64	156129	2	• TPA, 5W 150 M/P
65	156130	1	• CONNECTOR 5M, 150 M/P
66	156143	1	• CONNECTOR 5F, 150 M/P
67	124365	4	• FEMALE TERMINAL SEALED (1.0-0.5 mm2), 150 M/P
68	117584	2	• W8P WEDGE, PLUG
69	117582	2	• CONNECTOR ASSEMBLY 8M, DT
70	156219	2	• TERMINAL, M8 RING (5.0 mm2)
71	226119	1	• POWER RELAY 75A
72	156202	2	• FUSE, ATO, 5A
73	156203	8	• FUSE, ATO, 10A
74	156204	1	• FUSE, ATO, 15A
75	129258	1	• DIODE 1A
76	220611	1	• CONNECTOR, DEUTSCH DTM06-12S
77	220612	1	• CONNECTOR, DEUTSCH DTM06 WEDGE
78	220613	9	• CONNECTOR, CONTACT SOCKET NO.20
79	221144	1	• SEALING PLUG, DEC SERIES
80	156152	3	• HARNESS, TRACK UNIT BYPASS

5.7 Console Harness Assembly 107 HP

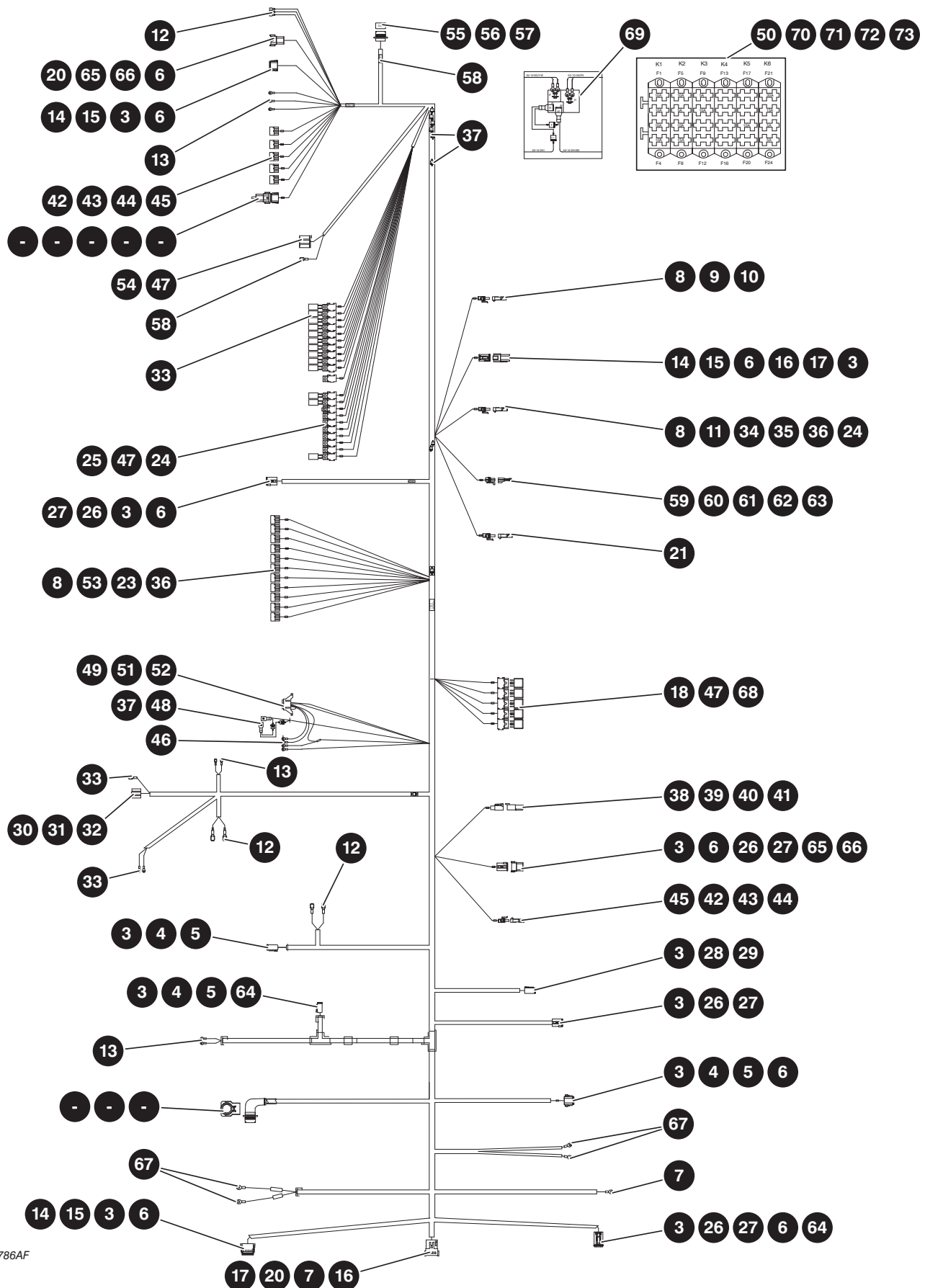


M216786AF

5.7 Console Harness Assembly 107 HP

Index No.	Skyjack Part No.	Qty.	Description
-	216786	1	HARNESS, CONSOLE 107 HP
1	156190	1	• ASSEMBLY, Connector 34F, HD34
2	156196	1	• STRAIN RELIEF, 90°
3	117591	91	• SOCKET (16-18 AWG), solid
4	117579	3	• ASSEMBLY, Connector 4F, DT
5	117581	3	• WEDGE, Socket
6	117594	51	• SEALING PLUG
7	156222	1	• TERMINAL, M10 RING (5.0 mm ²)
8	156104	8	• PLUG CAVITY 1W, 280 M/P & W/P
9	156106	1	• CONNECTOR 1M, W/P
10	156108	1	• CONNECTOR 1F, W/P
11	156137	8	• TERMINAL, Female sealed (2.0-1.0 mm ²), W/P
12	105359	7	• TERMINAL, Female disc. insulated (14-16 GA)
13	102936	7	• TERMINAL, 14-16AWG, #10 Ring blue
14	117587	2	• CONNECTOR, Plug 12-pin
15	117589	2	• CONNECTOR, Plug 12-pin wedge
16	117586	2	• CONNECTOR, Receptacle 12-pin
17	117588	2	• CONNECTOR, Receptacle 12-pin wedge
18	138749	5	• SOCKET, Relay
19	164855	2	• RESISTOR 1.0K 1/2 Watt axial lead
20	117590	16	• CONNECTOR, Contact pin 16-18
21	156109	1	• CONNECTOR 4F, W/P
22	156259	1	• TERMINAL, M10 Ring (3.0-2.0 mm ²)
23	124036	1	• ASSEMBLY, Connector 2F, W/P
24	931298	13	• RELAY, Mini iso
25	156166	21	• SOCKET, Relay
26	117583	3	• ASSEMBLY, Connector 8F, DT
27	117585	3	• WEDGE, Socket
28	156180	1	• ASSEMBLY, Connector 6F, DT
29	156194	1	• WEDGE, Plug
30	156101	1	• CONNECTOR 6F, 56 Series
31	156135	3	• TERMINAL, Female (2.0-1.0 mm ²), 56 series
32	156136	1	• TERMINAL, Female (2x 2.0-1.0 mm ²), 56 Series
33	114595	5	• TERMINAL, Female disc. insulated (22-18 GA)
34	156113	1	• CONNECTOR 3M, W/P
35	156114	1	• CONNECTOR 3F, W/P
36	156138	3	• TERMINAL, Female sealed (3.0-2.0 mm ²), W/P
-	-	-	Part list continued in following page

5.7 Console Harness Assembly 107 HP

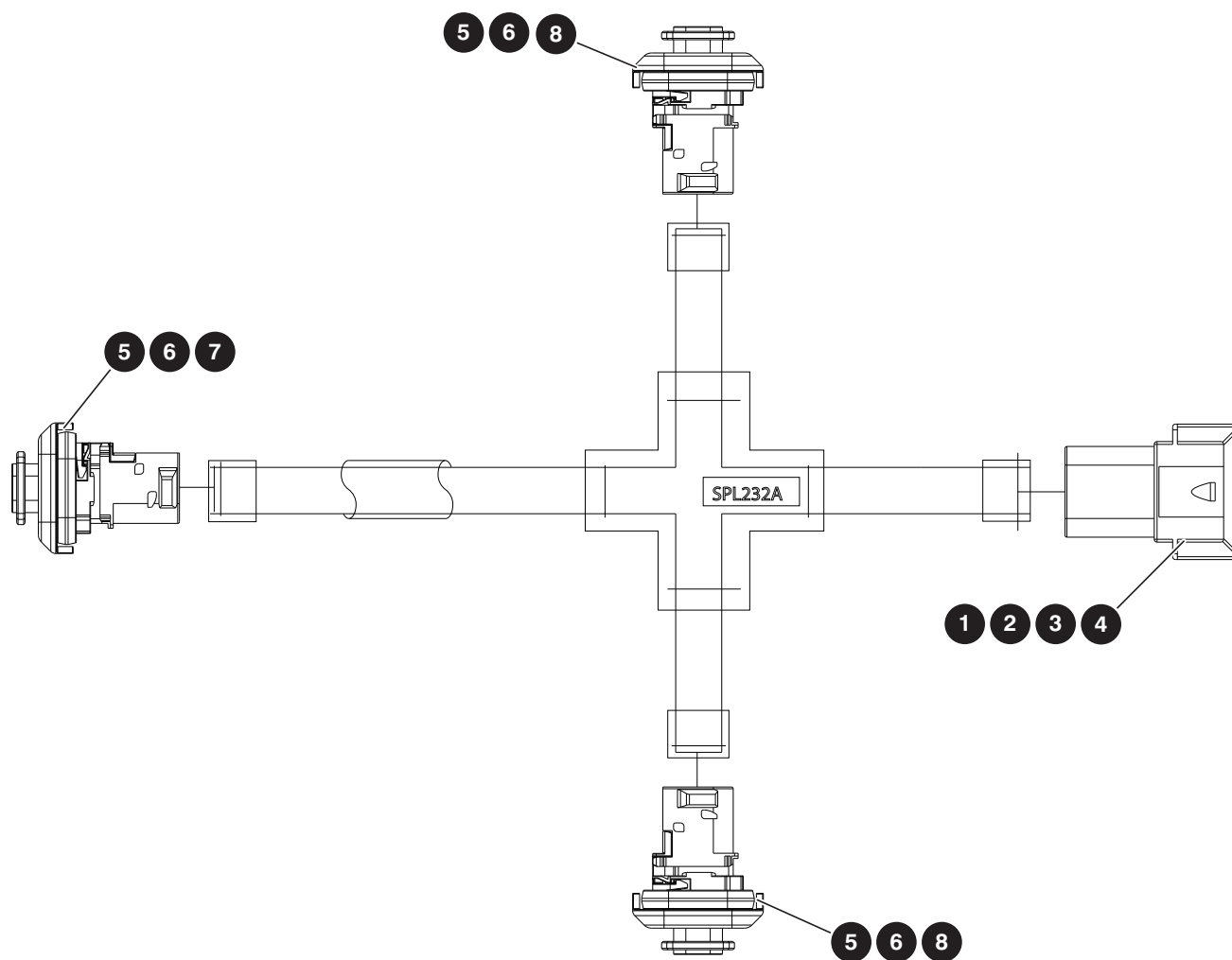


M216786AF

5.7 Console Harness Assembly 107 HP

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
37	102921	11	• DIODE T6A40L
38	156157	1	• SOCKET (8-10 AWG), Solid
39	156182	1	• ASSEMBLY, Connector 1F, DTHD
40	156181	1	• ASSEMBLY, Connector 1M, DTHD
41	156168	1	• PIN (8-10 AWG), Solid
42	156162	16	• SOCKET, 10-way
43	164551	65	• CAVITY PLUG, JPT
44	156173	6	• TERMINAL, Female (2.5-1.5 mm2), JPT
45	156174	68	• TERMINAL, Female (1.0-0.5 mm2), JPT
46	156215	4	• TERMINAL, M5 Ring (5.0 mm2)
47	126808	59	• TERMINAL, Female (2.0-0.8 mm2), Fastin-faston
48	105358	1	• CONNECTOR 2F, AMP
49	156102	25	• TERMINAL, Female (5.0-3.0 mm2), Pack-con
50	156103	6	• FUSEBLOCK
51	156110	12	• TERMINAL FEMALE (2.0-1.0 mm2), Pack-con
52	156111	1	• TERMINAL FEMALE (0.8-0.5 mm2), Pack-con
53	156105	1	• CONNECTOR 2M, W/P
54	156165	1	• SOCKET, Relay
55	164860	1	• ASSEMBLY, Connector, 12F Cannon trident
56	164861	1	• CABLE CLAMP, Cannon trident
57	164862	4	• TERMINAL, Female, 18-16GA Gold cannon trident
58	163021	2	• RESISTOR
59	156125	6	• PLUG CAVITY 1W, 150 M/P
60	156129	2	• TPA, 5W 150 M/P
61	156130	1	• CONNECTOR 5M, 150 M/P
62	156143	1	• CONNECTOR 5F, 150 M/P
63	124365	4	• FEMALE, Terminal sealed (1.0-0.5 mm2), 150 M/P
64	117593	2	• SOCKET (14-16 AWG), Solid
65	117584	2	• W8P WEDGE, Plug
66	117582	2	• ASSEMBLY, Connector 8M, DT
67	156219	4	• TERMINAL, M8 Ring (5.0 mm2)
68	127131	5	• RELAY 12V 40 AMP
69	226119	1	• POWER RELAY 75 A
70	156202	4	• FUSE, 5A
71	156203	8	• FUSE, 10A
72	156204	2	• FUSE, 15A
73	156164	1	• FUSE, 30A
74	199144	54	• TERMINAL, 3/16" SRS Fastin-on RCPT PH-BR
75	129258	1	• DIODE 1A
76	220611	1	• CONNECTOR, DEUTSCH DTM06-12S
77	220612	1	• CONNECTOR, DEUTSCH DTM06 WEDGE
78	220613	9	• CONNECTOR, CONTACT SOCKET NO.20
79	221144	1	• SEALING PLUG, DEC SERIES
80	156152	3	• HARNESS, TRACK UNIT BYPASS

5.8 DEF Engine Harness

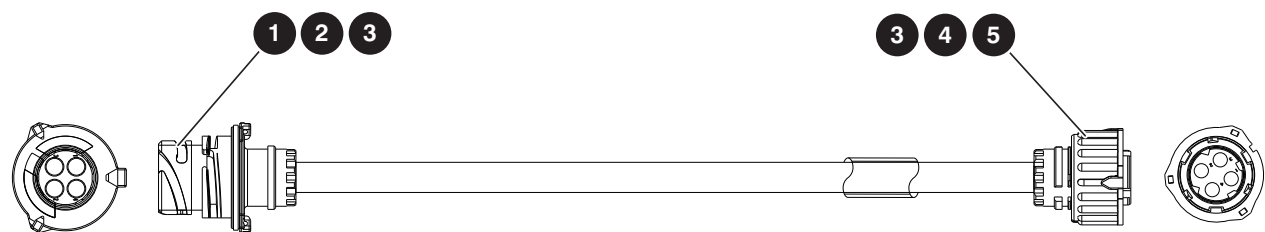


M191614AA

5.8 DEF Engine Harness

Index No.	Skyjack Part No.	Qty.	Description
-	191614	-	HARNESS, ENGINE DEF
1	117578	1	• ASSEMBLY, Connector 4M DT
2	117580	1	• WEDGE, Socket
3	117590	3	• CONNECTOR, Contact pin 16-18
4	117592	1	• CONNECTOR, Contact pin 14-16
5	164550	6	• WIRE SEAL, White (2.2-3.0mm), MCP
6	191028	6	• TERMINAL, Male 14-18 AWG
7	191039	1	• RECEPTACLE, MCP 2.8 A
8	191041	2	• RECEPTACLE, MCP 2.8 B

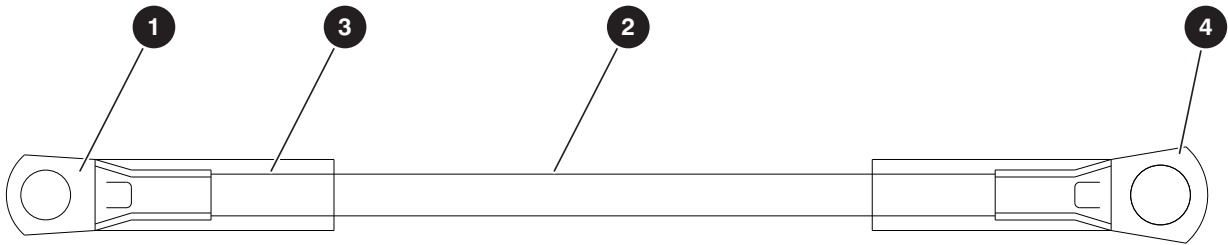
5.9 Wiring Harness - Fuel Low Pressure



M191047AB

Index No.	Skyjack Part No.	Qty.	Description
-	191047	-	HARNESS, FUEL LOW PRESSURE
1	164579	1	• CONNECTOR 4F, 2.5mm circular
2	190371	4	• SOCKET, 1.00 - 2.50MM2
3	190372	8	• WIRE SEAL
4	191045	1	• CONNECTOR 4P
5	191046	4	• PIN, 1.00 - 2.50MM2

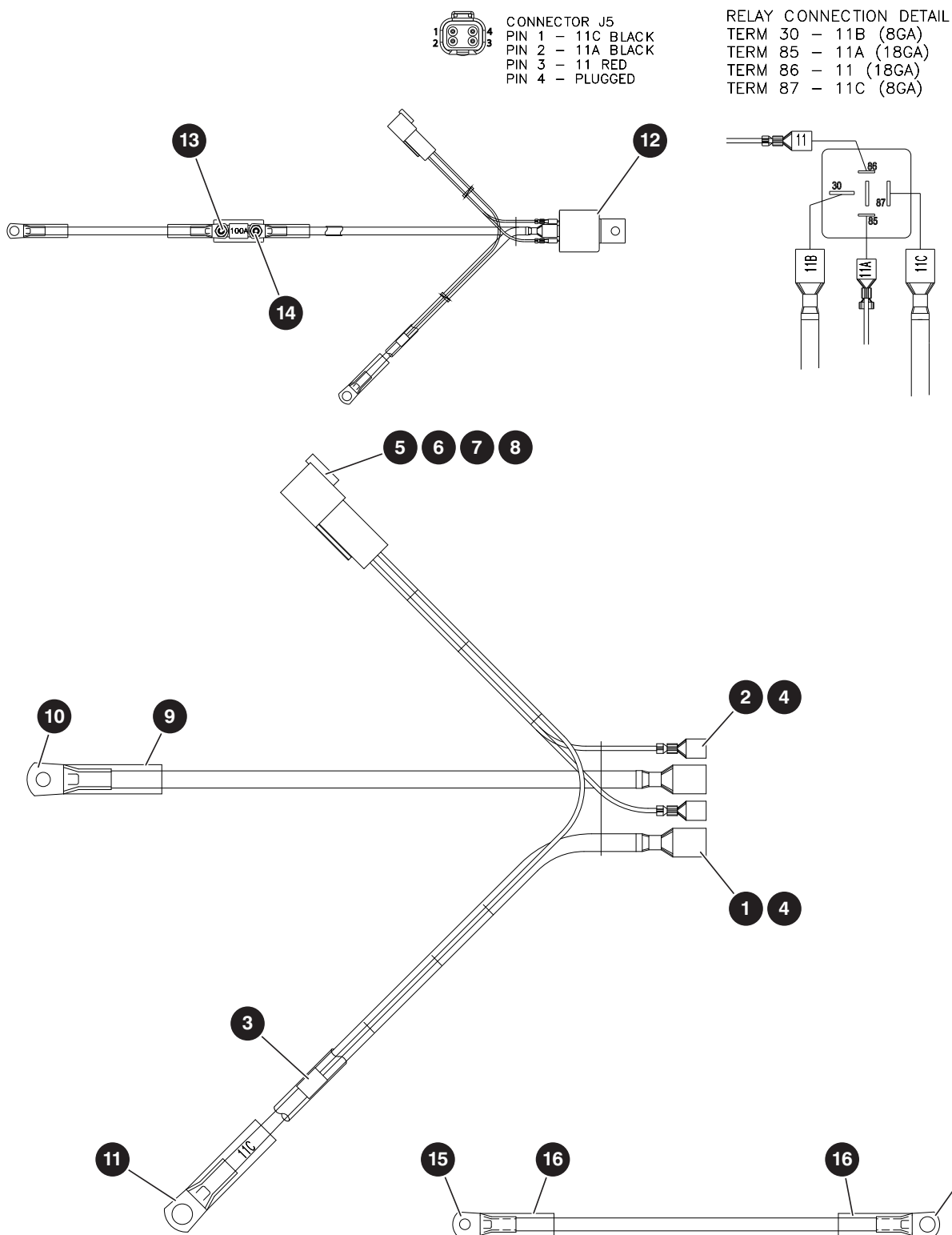
5.10 Wiring Harness - Cable Alternator



M191641AA

Index No.	Skyjack Part No.	Qty.	Description
-	191641	-	CABLE-ALTERNATOR TCD 3.6
1	115236	1	• TERMINAL, 6 GA * 5/16"
2	103147	56"	• CABLE, Welding # 6 GA (raw material)
3	103754	3	• SLEEVING, Heatshrink, Clear 1/2"
4	102947	1	• TERMINAL, 6 GA * 3/8"

5.11 Glow Plug Harness Assembly

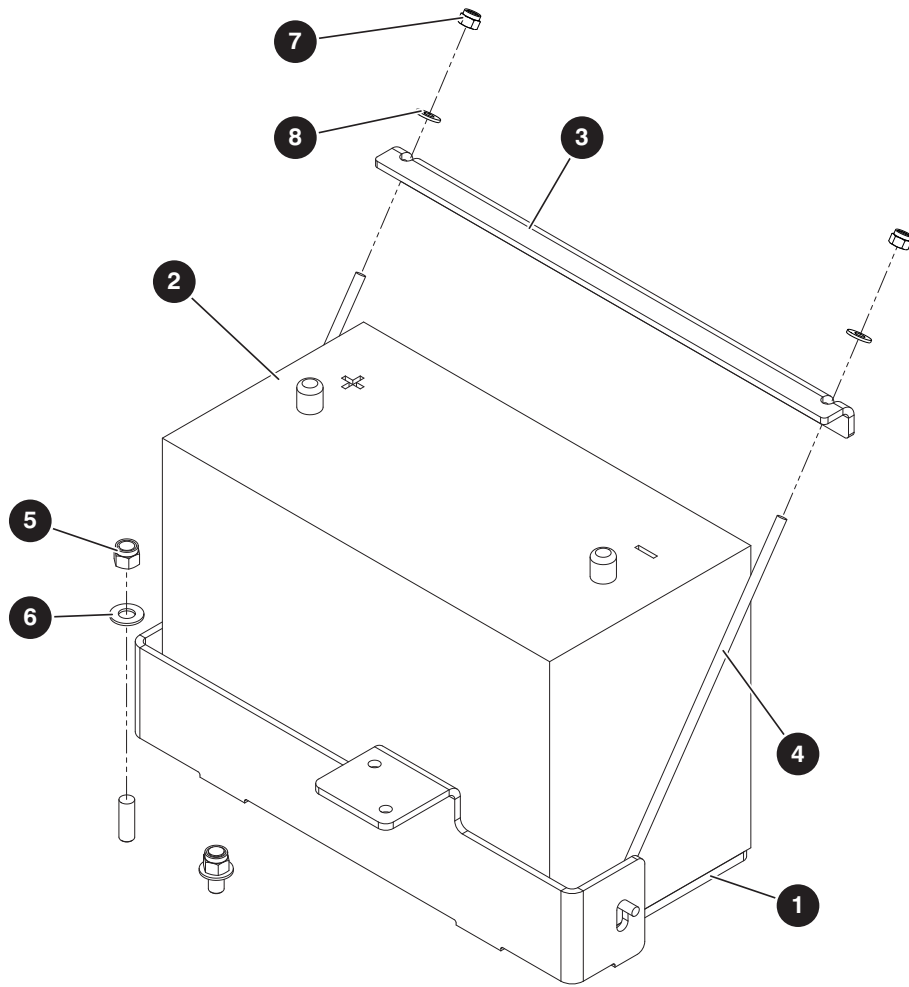


M190367AD

5.11 Glow Plug Harness Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	190367	-	ASSEMBLY, GLOW PLUG HARNESS
-	191645	1	• HARNESS - Glow plug relay TCD3.6
1	138846	2	• • TERMINAL, 8-10GA, .38, Non-insulated
2	126808	2	• • TERMINAL, 14-18 GA, .25, Non-insulated
3	139158	1	• • SPLICE, Parallel 6 GA Non-insulated
4	113584	6.5	• • HEATSHRINK 1/2" Black
5	117578	1	• • CONNECTOR, Receptacle 4-pin
6	117580	1	• • CONNECTOR, Receptacle 4-pin wedge
7	117590	3	• • CONNECTOR, Contact pin 16-18
8	117594	1	• • CONNECTOR, Sealing plug
9	166530	1.5	• • HEATSHRINK 1/2" WHITE
10	166531	1	• • TERMINAL 8GA * #10 Ring non-insulated
11	191644	1	• • TERMINAL 8GA * 1/4 Ring non-insulated
12	165029	1	• RELAY, 150A 12V SPST
13	165030	1	• FUSE HOLDER - INLINE, MIDI
14	165031	1	• FUSE - 100A, Bolt-down
-	191642	1	• WIRE ASSEMBLY - Glow plug power TCD3.6
15	191643	1	• • TERMINAL 8GA * 3/8 Ring non-insulated
16	166530	3	• • HEATSHRINK 1/2" White
17	166531	1	• • TERMINAL 8GA * #10 Ring non-insulated

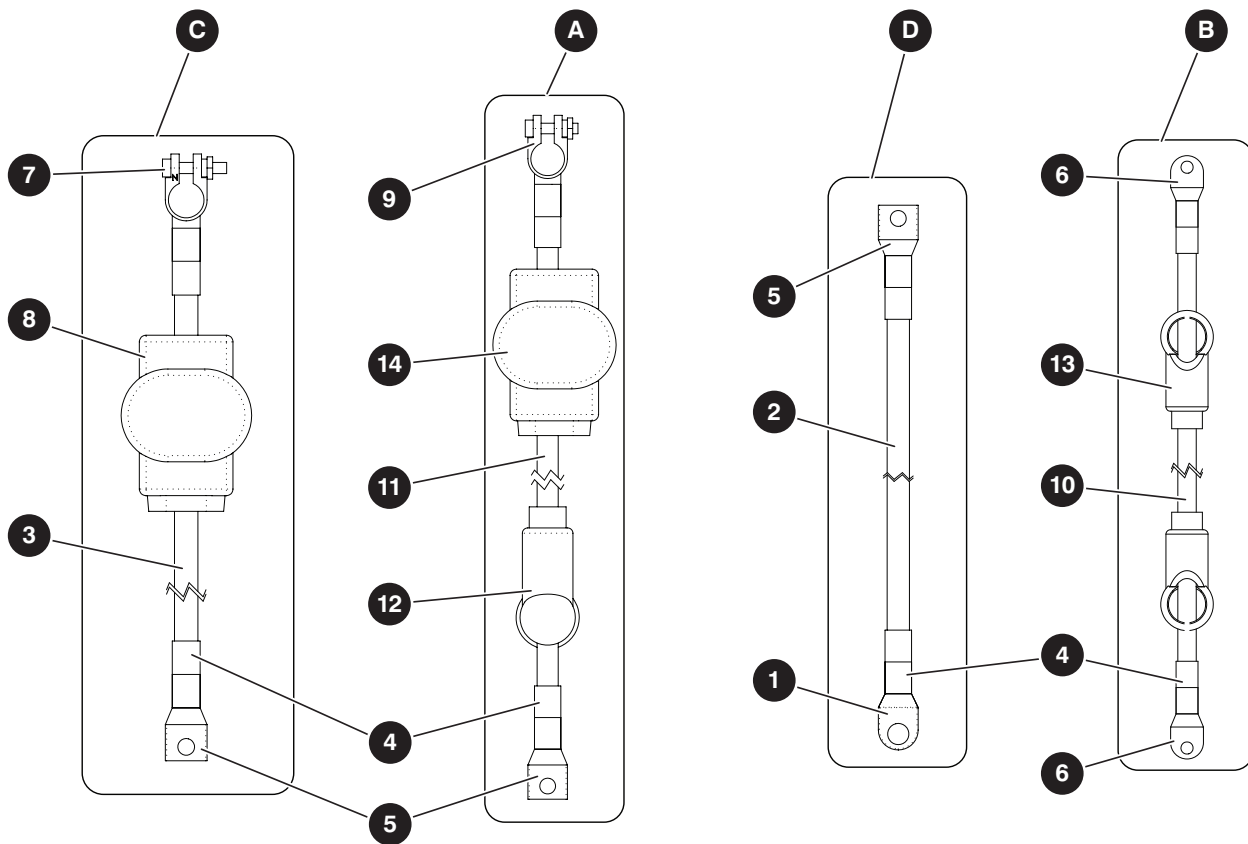
5.12 Battery



M191766AC

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

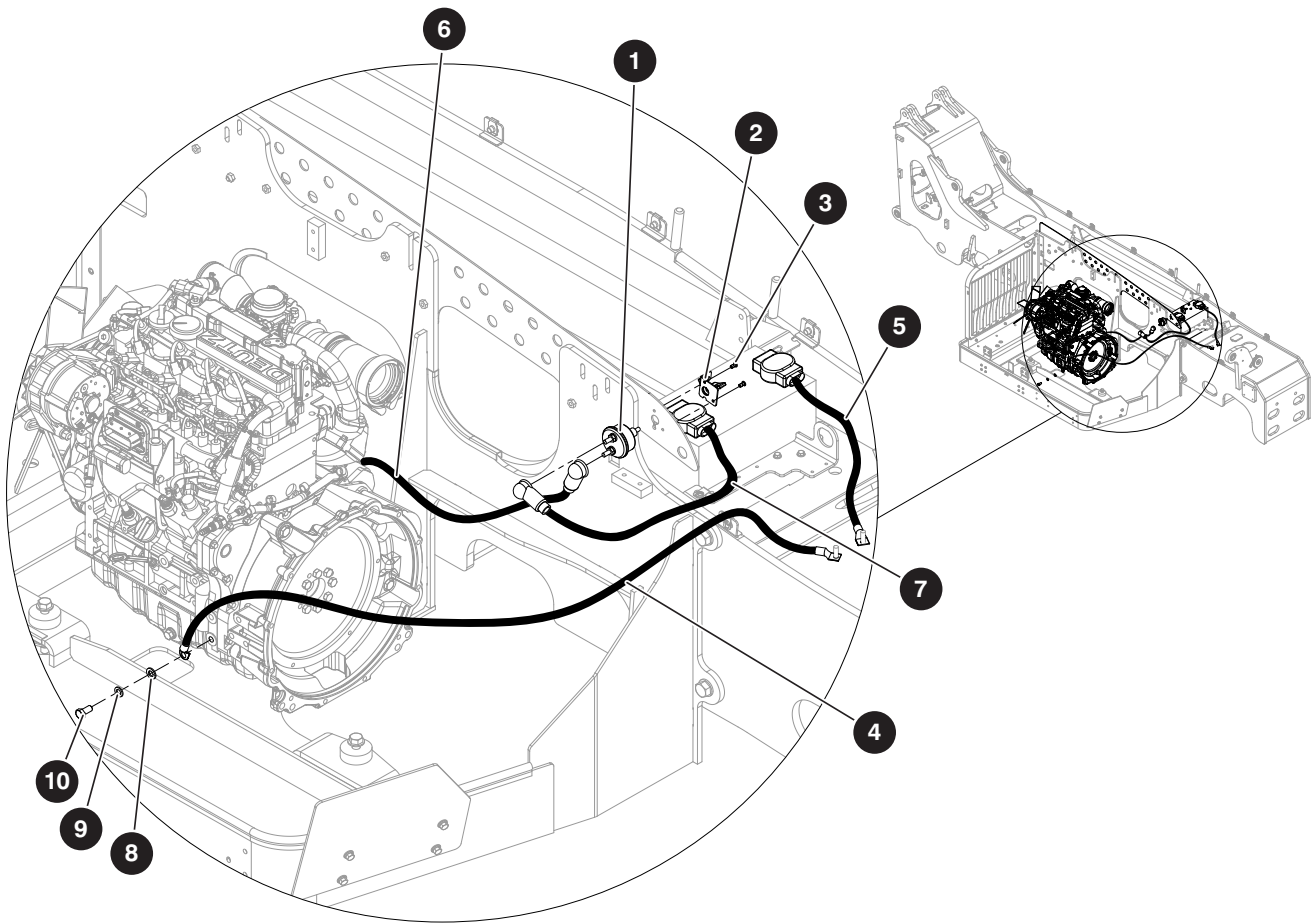
5.13 Battery Cables



M199981AB-Cables

Index No.	Skyjack Part No.	Qty.	Description
A	204032	1	• ASSEMBLY, Cable #2/0 POST 3/8" x 20" x 5/16" (+B,03)
B	204086	1	• ASSEMBLY, Cable #2/0 3/8" x 42" x 5/16" (03, 03)
C	204063	1	• ASSEMBLY, Cable weld #2/0 POST 5/16" x 26" x 3/8"(00,00)
D	204064	1	• ASSEMBLY, Cable weld #2/0 3/8" x 72" x 1/2" (00,00)
1	163811	1	• • TERMINAL - Ring#2 wire 1/2" stud - D
2	139029	72	• • CABLE, #2/0 Black - D
3	-	26	• • CABLE, #2/0 Black - C
4	139035	3	• • HEATSHRINK, 1" clear - A, B, C, D
5	139034	1	• • TERMINAL, #2/0 3/8" DIA - A, C, D
6	209026	2	• • TERMINAL, #2/0 3/8" DIA Round lug - B
7	221807	1	• • CLAMP, Battery post #2/0 negative - C
8	191822	1	• • PROTECTOR, Terminal, military style black - C
9	221808	1	• • CLAMP, Battery post #2/0 positive - A
10	139028	42	• • CABLE, #2/0 Red - B
11	-	20	• • CABLE #2/0 Red- A
12	139105	1	• • BOOT, Terminal #2/0 Red (5737-005R) - A
13	-	2	• • BOOT, Terminal #2/0 Red (5737-005R) - B
14	191821	1	• • PROTECTOR, Terminal, military style red - A

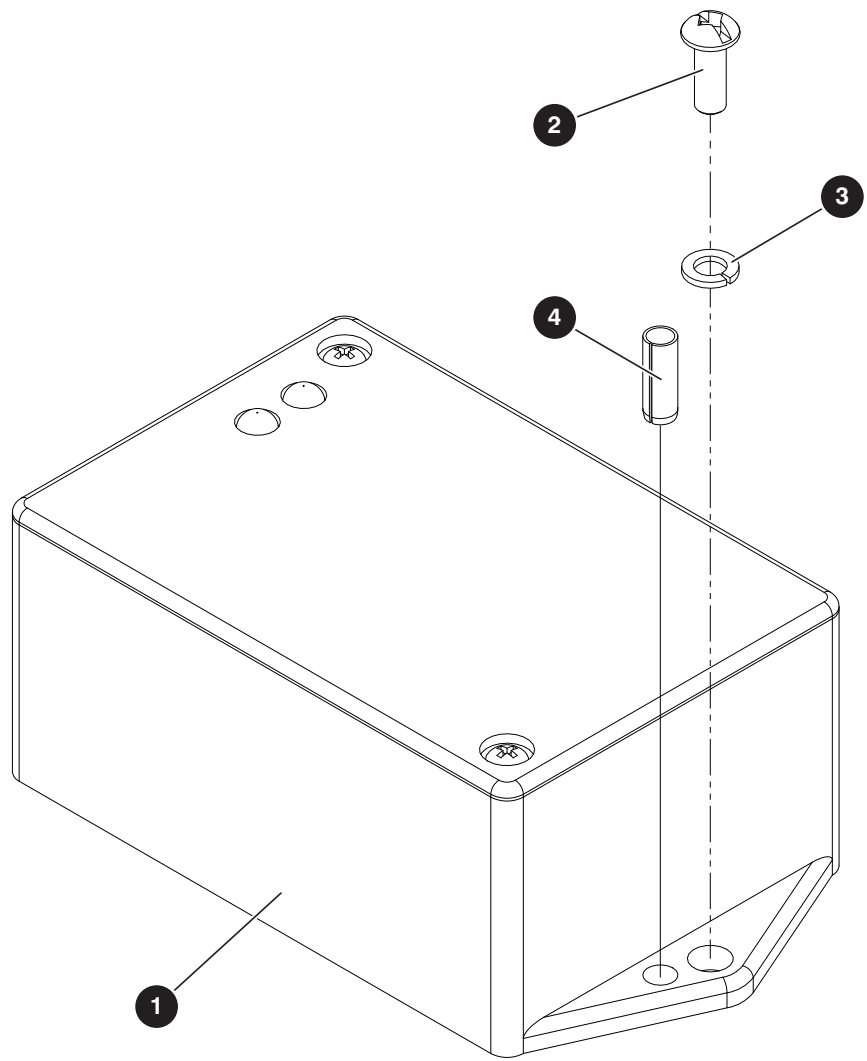
5.14 Battery Disconnect



M199981AA-2

Index No.	Skyjack Part No.	Qty.	Description
-	199981	1	ASSEMBLY, BATTERY CABLES
1	119725	1	• SWITCH - MAIN LOCKOUT
2	108714	1	• MOUNT, Lock-out switch
3	157756	2	• RIVET, 3/16" x 0.45 long, steel
4	(Ref.)	1	• ASSEMBLY, Cable weld # 2/0 3/8" x 72" x 1/2" (00,00) (For components, refer to Section 7.10)
5	(Ref.)	1	• ASSEMBLY, Cable weld # 2/0 post 5/16" x 26" x 3/8" (00,00) (For components, refer to Section 7.10)
6	(Ref.)	1	• ASSEMBLY, Cable # 2/0 3/8" x 42" x 5/16" (03, 03) (For components, refer to Section 7.10)
7	(Ref.)	1	• ASSEMBLY, Cable # 2/0 post 3/8" x 20" x 5/16" (+B,03) (For components, refer to Section 7.10)
8	933817	1	• WASHER, Flat M12 CL 200 Y
9	600549	1	• WASHER, Lock M12-Plated DIN 127B
10	152324	1	• BOLT, Hex head M12 X 1.75 x 25mm Gr. 8.8 zinc plated

5.15 Tilt Sensor



M196364AC

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

 **Notes**

Section 6 – Boom Assembly SJ1044 TH/THS

6.1 *Boom Assembly*

6.3 *First Boom Assembly - SJ1044 TH/THS*

6.4 *Second Boom Assembly - SJ1044 TH/THS*

6.5 *Third Boom Assembly - SJ1044 TH/THS*

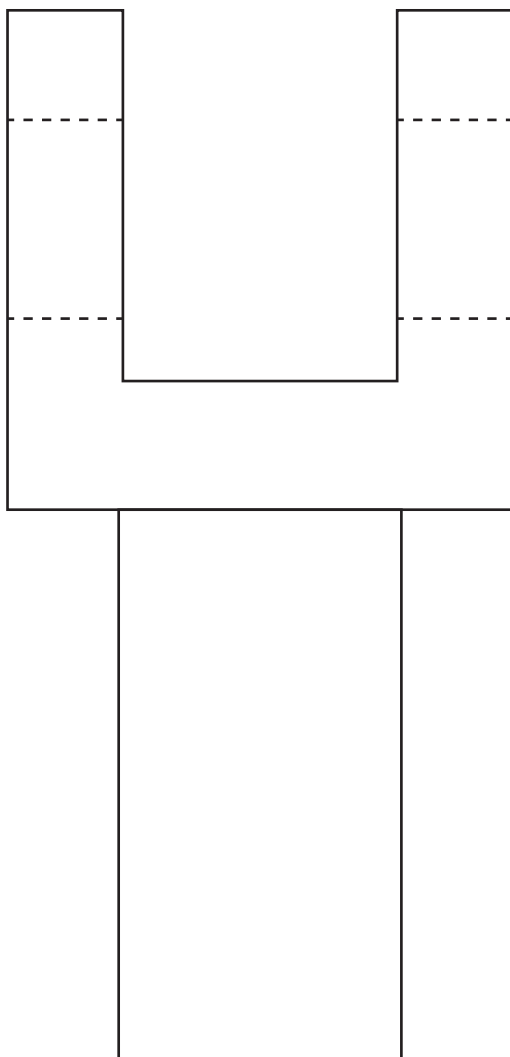
6.6 *Auxiliary Hydraulics Installation - SJ1044 TH/THS*



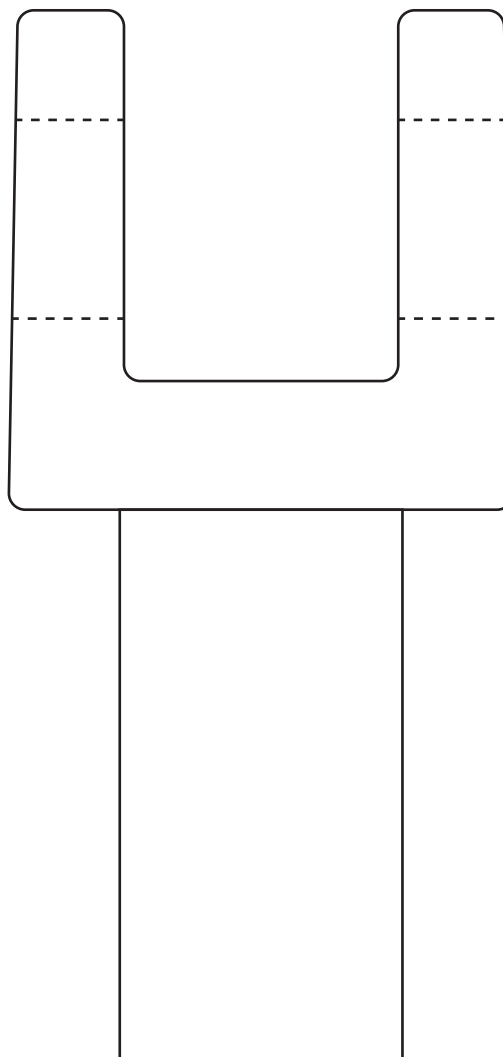
NOTE

If your telehandler has the Style B Clevis an extra crush washer (223856) and spacer (223853) is needed to secure the cylinder.

Style A Clevis



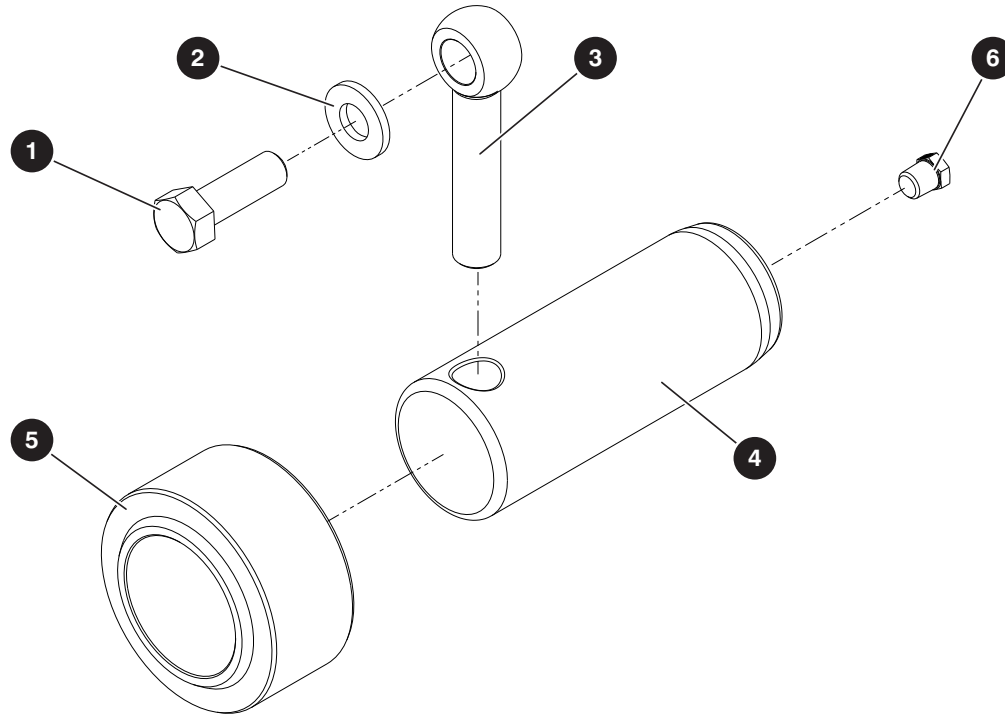
Style B Clevis





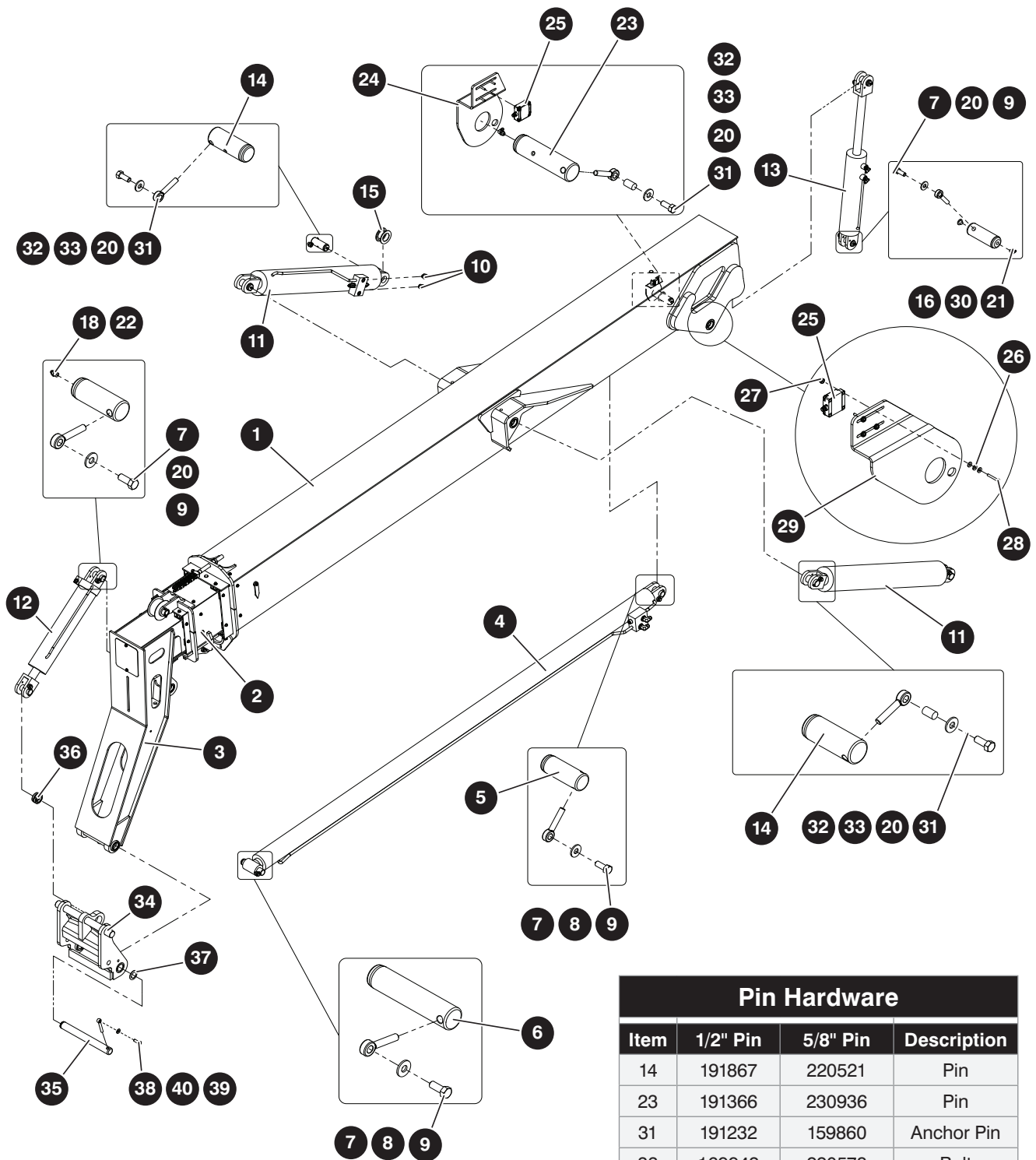
NOTE

Make sure you order the correct hardware for your telehandler when replacing the bearings.



Index No.	Skyjack Part No.	Qty.	Description
A	236502	1	Assy, Maintenance Free Bearing, Grease Pin
B	236475	1	Assy, Maintenance Free Bearing, Greaseless Pin
1	220578	1	BOLT, Hex head, 1/2"-13 x 1-1/2" gr8 ZP
2	104379	1	Washer Flat 1/2" Hard
3	159860	1	PIN, Keeper- 5/8" short
4	220521	1	PIN, 2" OD x 5-9/32 - A
-	236503	1	PIN, 2" OD x 5-9/32, greaseless - B
5	230942	1	BEARING, Spherical maintenance free 2.00
6	230941	1	PLUG, External hex pipe 1/8" - A

6.1 Boom Assembly

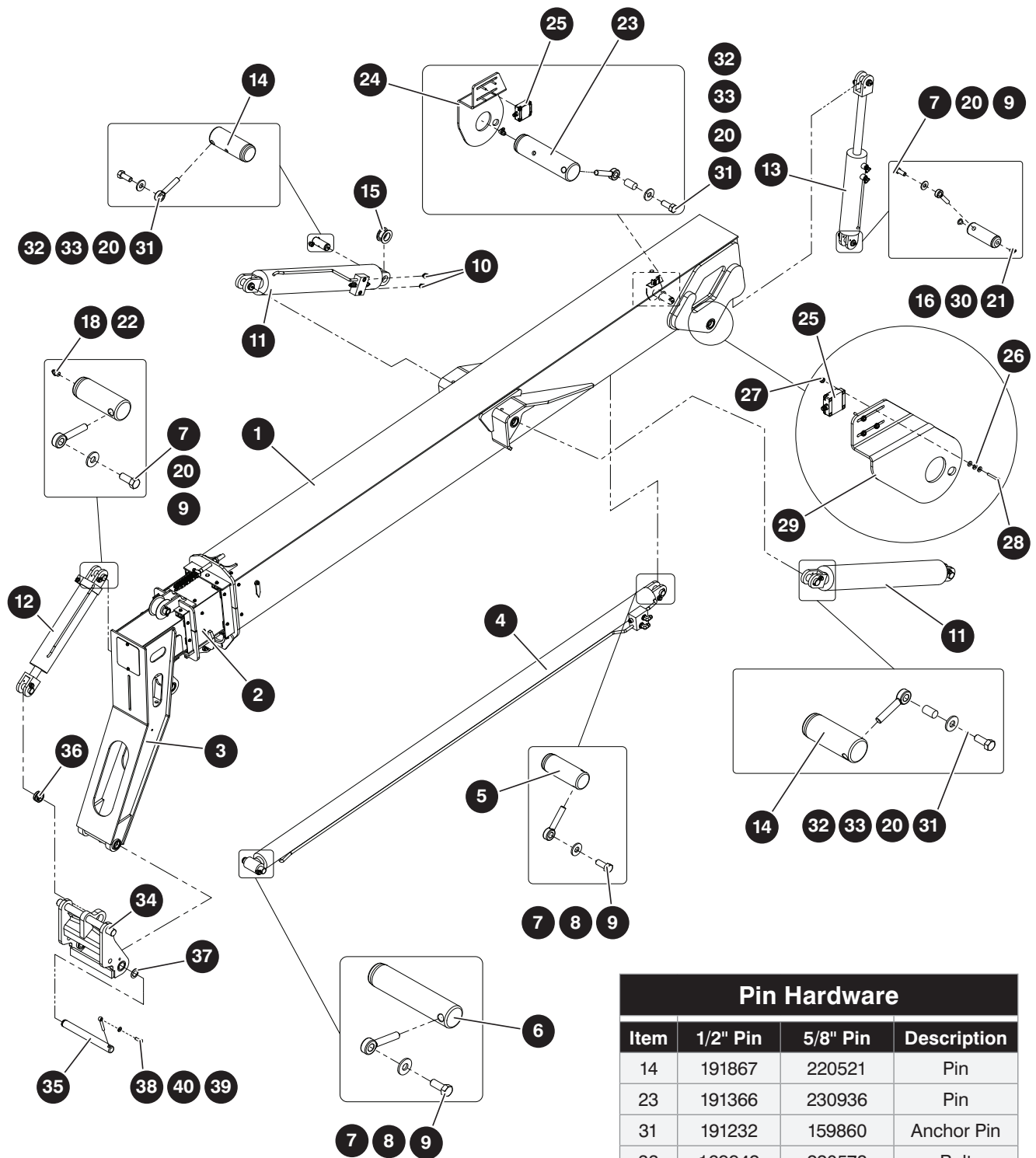


Pin Hardware			
Item	1/2" Pin	5/8" Pin	Description
14	191867	220521	Pin
23	191366	230936	Pin
31	191232	159860	Anchor Pin
33	169942	220578	Bolt
32	N/A	220526	Spacer

6.1 Boom Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	190968	-	SUBGROUP, BOOM 1044 - For serial number 87210167 and below
-	190985	-	• ASSEMBLY, BOOM 1044
1	(Ref.)	1	• • ASSEMBLY, 1st boom 1044 (For components, refer to Section 6.3)
2	(Ref.)	1	• • ASSEMBLY, 2nd boom 1044 (For components, refer to Section 6.4)
3	(Ref.)	1	• • ASSEMBLY, 3rd boom 1044 (For components, refer to Section 6.5)
4	(Ref.)	1	• • ASSEMBLY, Extension cylinder (For components, refer to Section 8.1)
5	190018	1	• • PIN, (1-1/4" DIA X 4-7/8") long
6	190029	1	• • PIN, (1-1/4"DIA X 7-7/8") long
7	191232	5	• • PIN, Anchor
8	104379	2	• • WASHER, Flat 1/2" hard
9	169942	5	• • BOLT, Hex head (1/2"-13x1-1/4") grade 8 zinc
10	144279	2	• FITTING, 8 SAE to -12 JIC
11	(Ref.)	2	• ASSEMBLY, Cylinder lift 150B (For components, refer to Section 8.3)
12	(Ref.)	1	• ASSEMBLY, Cylinder fork tilt (For components, refer to Section 8.4)
13	(Ref.)	1	• CYLINDER, TILT COMP (For components, refer to Section 8.5)
14A	220521	4	• PIN, 2" DIA x 5-9/32" long (uses 5/8" anchor pin)
14B	191867	4	• PIN, 2" DIA x 5-1/8" long (uses 1/2" anchor pin)
15	196586	4	• SPACER, Lift Cylinder
16	197449	1	• PLUG, 1/2" Wide Flange
17	132565	4	• CAP, Grease GC5 (Not Shown)
18	191866	3	• PIN, 1-3/4" DIA x 4-3/4" long
19	931574	2	• WASHER, Thrust
20	104379	10	• WASHER, Flat 1/2" Hard
21	700510	2	• FITTING, Grease, 1/8" NPT 90°
22	102027	2	• FITTING, Grease, 1/8" NPT Straight
23A	230936	2	• PIN, 2" DIA x 7-17/32" long (uses 5/8" anchor pin)
23B	191366	2	• PIN, 2" DIA x 7-3/8" long (uses 1/2" anchor pin)
24	191826	1	• PLATE, Sensor mount 70
25	190547	2	• SENSOR, Inductive proxi shielded - 15mm
			Part list continued in following page

6.1 Boom Assembly



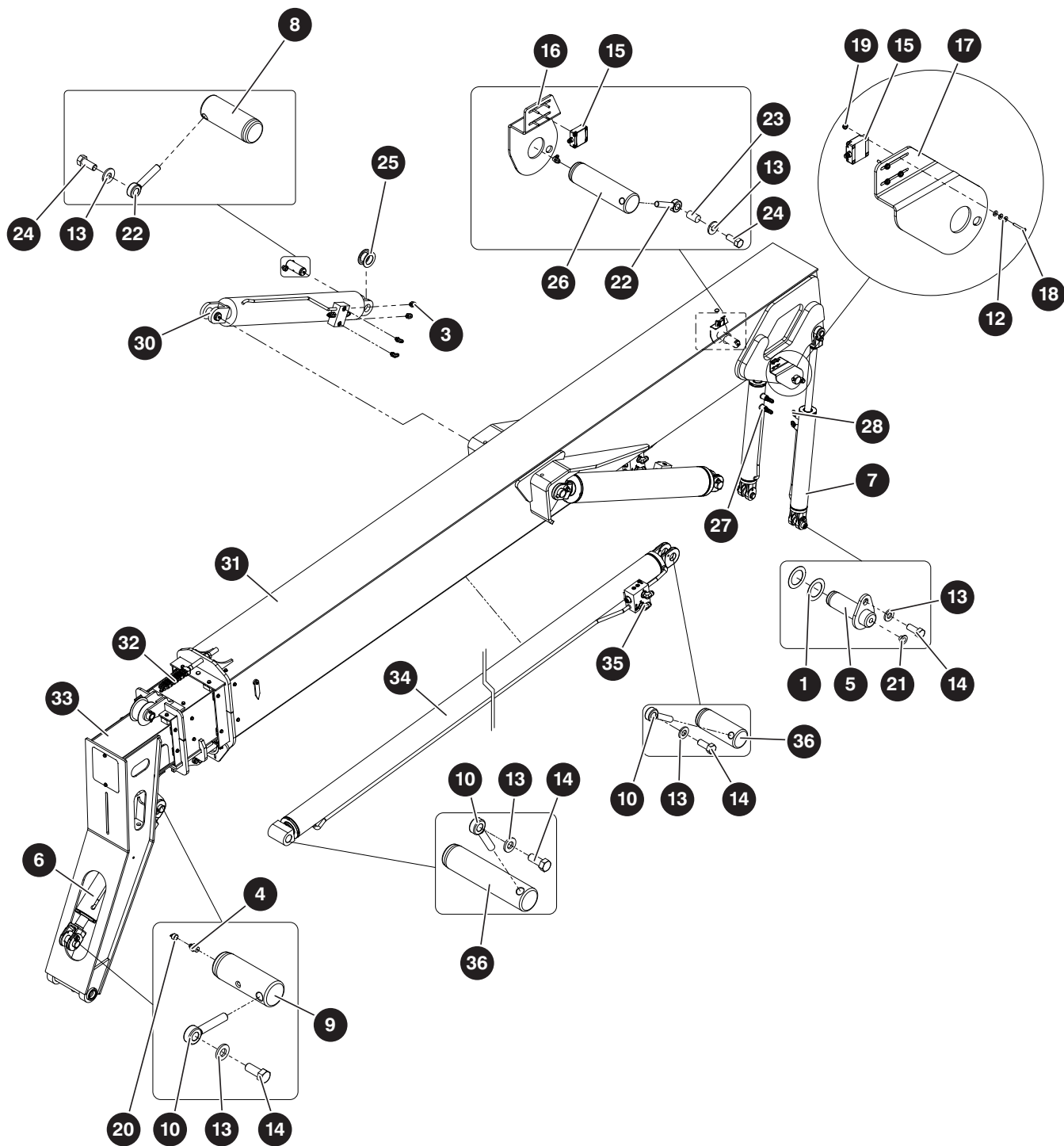
Pin Hardware			
Item	1/2" Pin	5/8" Pin	Description
14	191867	220521	Pin
23	191366	230936	Pin
31	191232	159860	Anchor Pin
33	169942	220578	Bolt
32	N/A	220526	Spacer

M190968AH

6.1 Boom Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
26	191833	24	• WASHER, Flat #6
27	196306	8	• NUT, Lock with nylon insert 6-32 grade 5
28	103956	8	• SCREW, Round head machine 6-32 x 1"
29	191825	1	• PLATE, Sensor mount 40
30	191741	1	• PIN, 1-3/4" DIA X 5-3/16" long
31A	159860	7	• PIN, Anchor - 5/8"
31B	191232	6	• PIN, Anchor - 1/2"
32	220526	7	• SPACER, .641ODx.531IDx.688LG
33A	220578	7	• BOLT, HEX HD\PATCH\0.5-13 X 1.50 gr8 ZP
33B	169942	6	• BOLT, Hex head 1/2"-13x1-1/4" Gr. 8
-	190456	-	QA ATTACHMENT SUBGROUP
-	235348	1	• KIT, Apron and Bearing
34	190016	1	• • WELDMENT, Apron
35	920767	1	• • BEARING, Spherical
36	190017	1	• PIN, 1.993" DIA x 18-1/2" long
37	931602	2	• WASHER, Thrust
38	700782	1	• WASHER, Flat 5/8" hard
39	148944	1	• BOLT, Hex head patch 5/8"-11 x 1-3/4" grade 8
40	146898	1	• PIN, Keeper 5/8"

6.2 Boom Assembly - Dual Tilt Cylinder

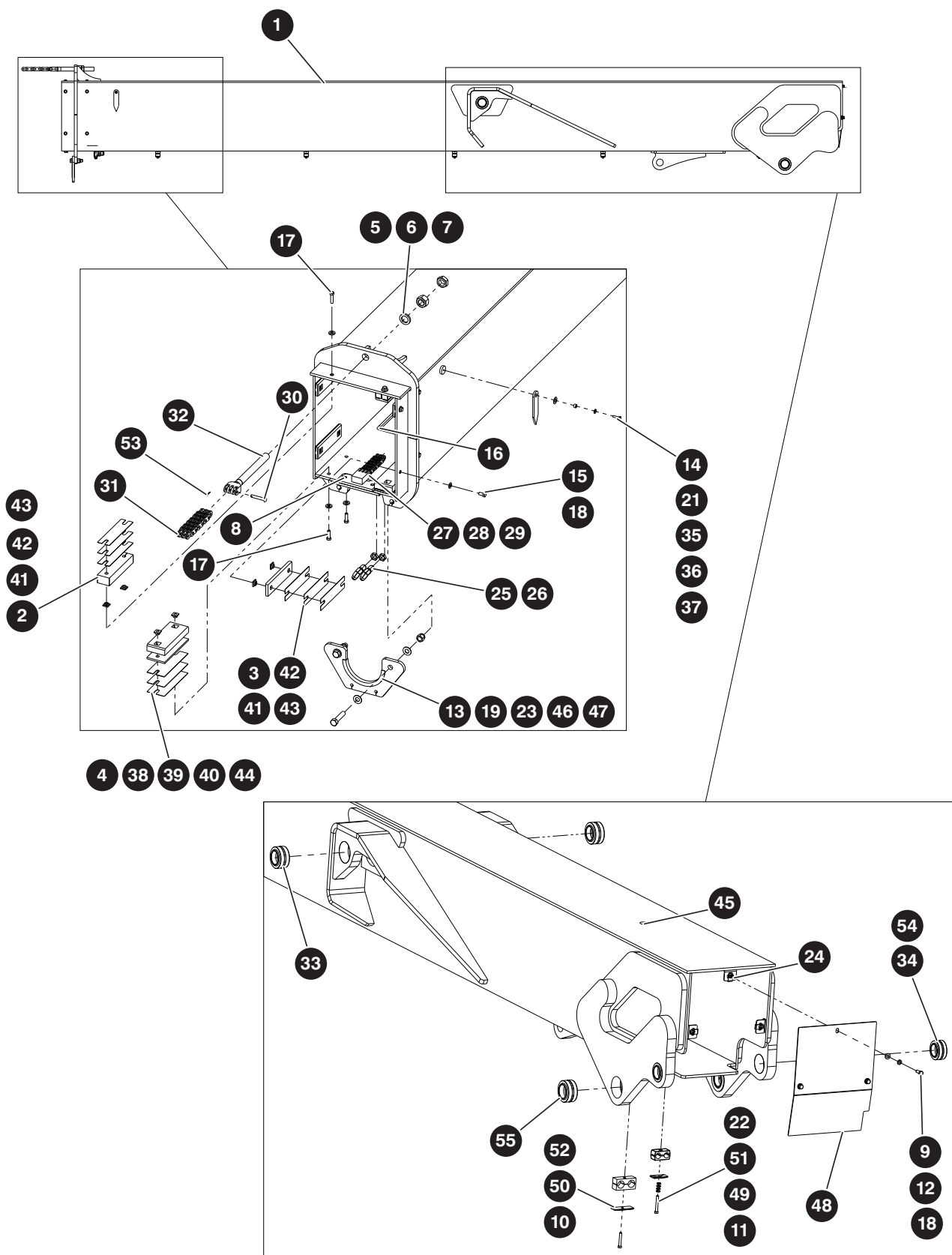


M232326AA

6.2 Boom Assembly - Dual Tilt Cylinder

Index No.	Skyjack Part No.	Qty.	Description
-	232326	1	BOOM GROUP - <i>For serial number 87210168 and above</i>
1	236328	8	• THRUST WASHER, 1.375ID X 2.062OD X .03THK
2	230941	4	• PLUG, EXTERNAL HEX PIPE 1/8"
3	144279	2	• FTG, 8 SAE TO -12 JIC
4	102027	2	• FTG GREASE 1/8 NPT STRAIGHT
5	235248	2	• PIN WLDT, 1.375 DIA X 4.875 LG
6	(Ref.)	1	• CYLINDER ASSEMBLY, FORK LIFT <i>(For components, refer to Section 8.4)</i>
7	(Ref.)	2	• CYLINDER, TILT COMP <i>(For components, refer to Section 8.5)</i>
8	220521	4	• PIN, 2.00ODx5.281
9	191866	2	• PIN, 1.75 DIA X 4.75 LG
10	191232	2	• PIN, ANCHOR
11	931602	2	• WASHER THRUST 2" ID X 2.74" OD - 0.06"
12	191833	24	• WASHER, FLAT #6
13	104379	12	• Washer Flat 0.500 Hard
14	169942	6	• BOLT, HXHD .500-13x1.250 GR8 ZN
15	190547	2	• SENSOR, INDUCTIVE PROXI 15MM
16	191826	1	• PLATE, SENSOR MOUNT 70 - 10K
17	191825	1	• PLATE, SENSOR MOUNT 40 - 10K
18	103956	8	• SCREW, RND HD MACHINE 6-32 x 1.000
19	196306	8	• NUT, LOCK 6-32 GR5 - NYL
20	132565	2	• CAP, GREASE GC5
21	197449	2	• PLUG 1/2" WIDE FLANGE
22	159860	6	• KEEPER PIN - 0.625 SHORT
23	220526	6	• SPACER, .641ODx.531IDx.688LG
24	220578	6	• BOLT, HEX HD\PATCH\0.5-13 X 1.50 gr8 ZP
25	196586	4	• SPACER, LIFT CYL 10K
26	230936	2	• PIN, 2.00ODx7.531 NO GREASE
27	110554	2	• FTG, RUN TEE (8JICM-8ORBM-8JICM)
28	114583	2	• FTG, 90 DEG (08JICM-08ORBM)
29	235241	2	• PIN WLDT, 1.375 DIA X 4.375 LG
30	(Ref.)	2	• CYLINDER ASSEMBLY, LIFT 150B <i>(For components, refer to Section 8.3)</i>
-	232327	1	• BOOM ASSEMBLY, 1044
31	232328	1	• • ASSEMBLY, 1ST BOOM 1044
32	190970	1	• • ASSEMBLY, 2ND BOOM 1044
33	190971	1	• • ASSEMBLY, 3RD BOOM 1044
34	(Ref.)	1	• • CYLINDER ASSEMBLY, EXTENSION <i>(For components, refer to Section 8.1)</i>
35	190018	1	• • PIN, 1.75 DIA X 4.688 LNG
36	190029	1	• • PIN, 1.75 DIA X 7.750 LNG

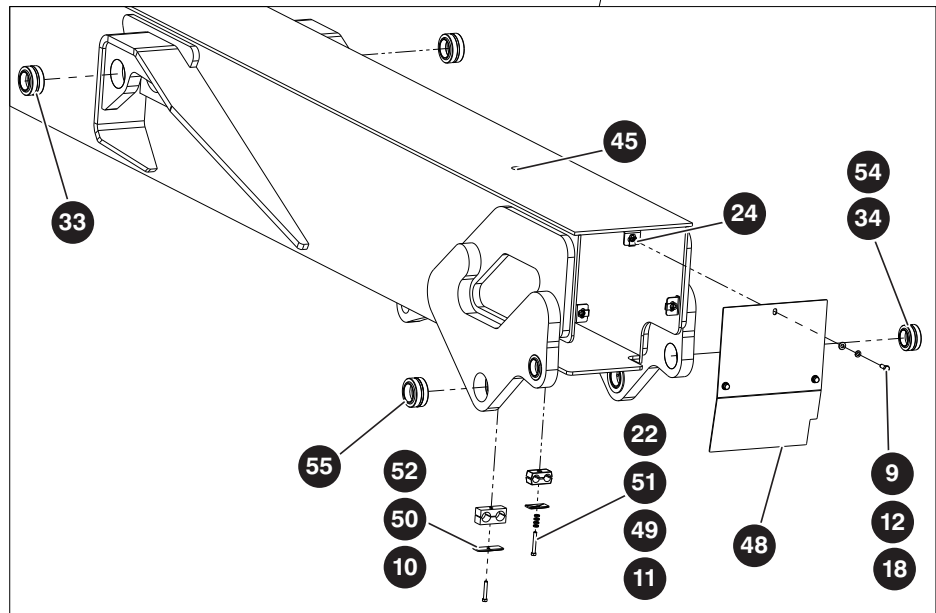
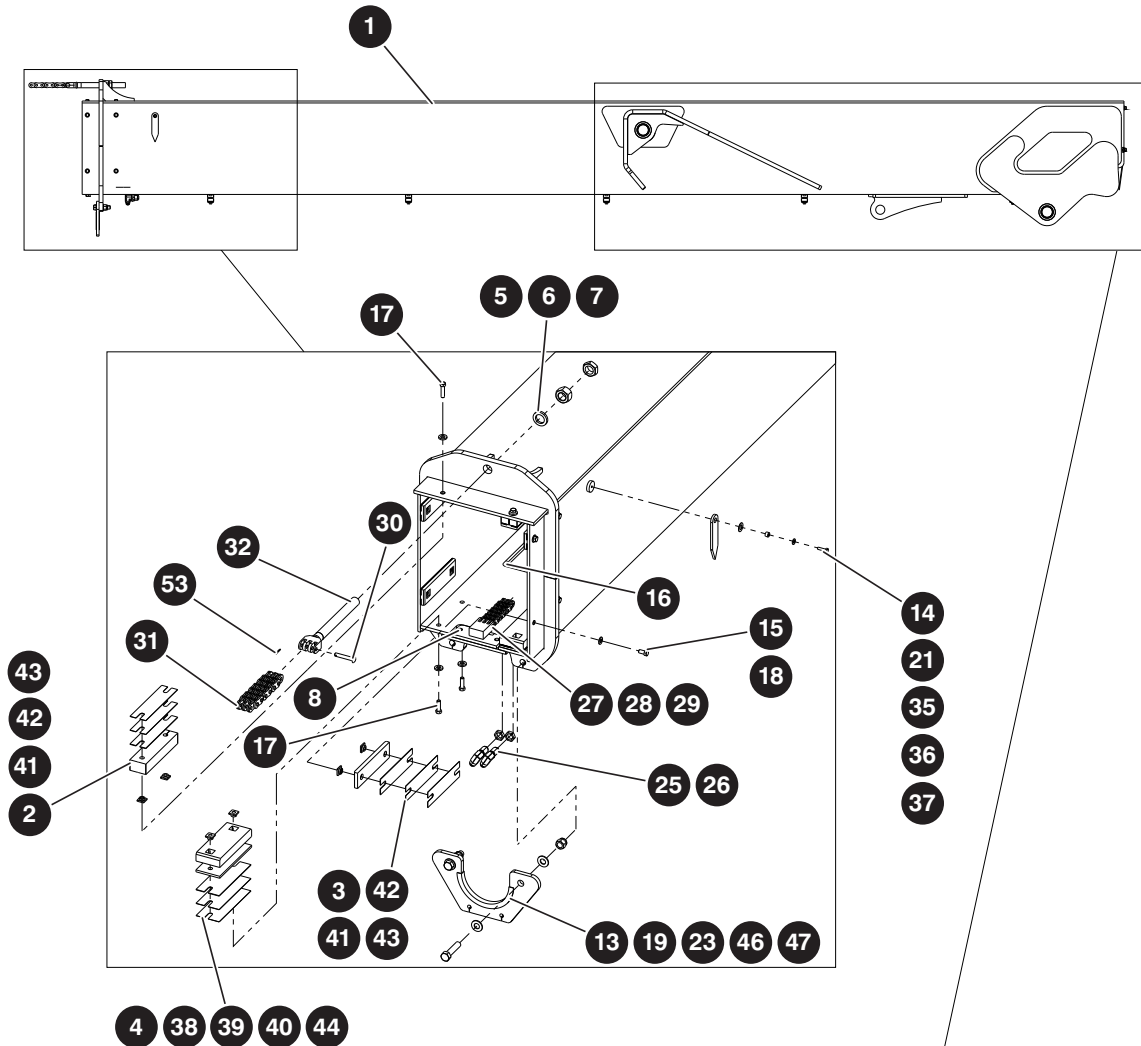
6.3 First Boom Assembly - SJ1044 TH/THS



M232328AA

6.3 First Boom Assembly - SJ1044 TH/THS

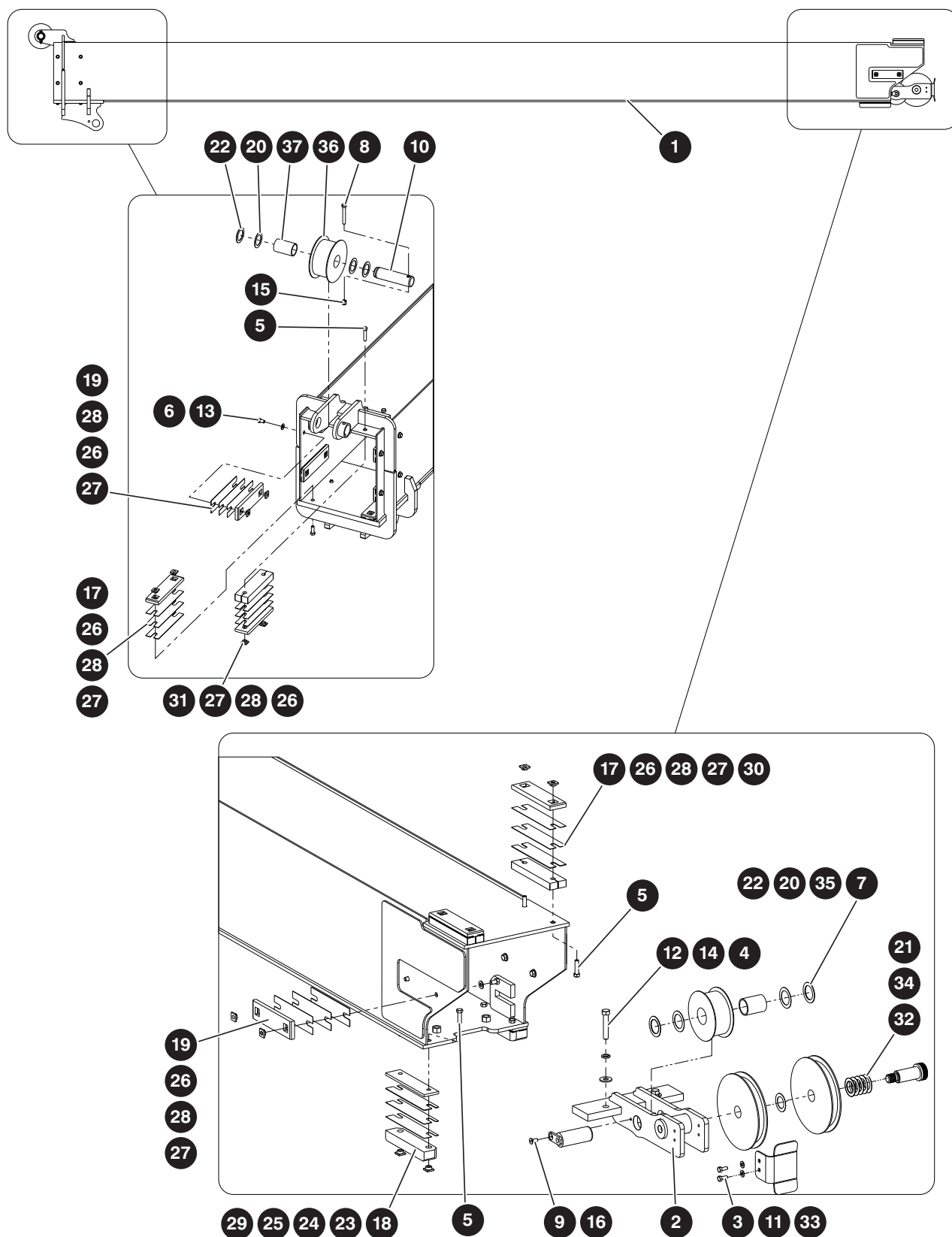
Index No.	Skyjack Part No.	Qty.	Description
1	190907	1	WELDMENT, 1st boom 1044 For serial number 87210167 and below
	235258	1	WELDMENT, 1st boom 1044 - Dual tilt For serial number 87210168 and above
A	190969	1	ASSEMBLY, 1ST BOOM 1044 For serial number 87210167 and below
B	232328	1	ASSEMBLY, 1ST BOOM 1044 For serial number 87210168 and above
2	221762	2	• WEAR PAD, Black 31 X 50 X 190
3	191266	4	• WEAR PAD, 12 X 50 X 190
4	191267	2	• WEAR PAD, Black 27 X 75 X 190
5	107947	1	• NUT, Hex head jam 1-14 grade 5
6	411959	1	• NUT, 1-14 Hex grade 8 zinc dich
7	932724	1	• WASHER, Flat
8	139005	2	• BOLT, Hex head patch 1/2-13 X 1" grade 5
9	103999	3	• WASHER, Lock 3/8
10	103866	1	• BOLT, Hex head 5/16"-18 X 2-1/4" grade 5
11	103885	5	• BOLT, Hex head 5/16"-18 X 1-3/4" grade 5
12	207298	3	• BOLT, Hex head 3/4"-16 X 1" grade 8
13	100844	2	• BOLT, Hex head 5/8"-11 X 2-3/4" grade 8
14	103857	1	• BOLT, Hex head 1/4"-20 X 1" grade 5
15	158488	8	• BOLT, Hex head 3/8"-16 X 3/4" grade 8
16	119922	15"	• PROTECTIVE TRIM 1/4-1/2"
17	117430	8	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 8
18	125959	19	• WASHER, Flat 3/8" SAE Hard
19	700782	4	• WASHER, Flat 5/8" Hard high Zn
20	104379	2	• WASHER Flat 1/2" Hard
21	103995	1	• WASHER, Flat 1/4" SAE
22	103996	4	• WASHER, Flat 5/16" SAE
23	111577	2	• NUT, Lock 5/8"-11 Grade 5 - Nylon
24	159294	3	• NUT, Speed clip 3/8"-16
25	154242	2	• NUT, Bulkhead - 08JIC
26	154241	2	• FITTING, Fitting - 90° Bulkhead (08 JICM - 08 JICM)
27	191228	1	• PIN, Anchor BL666
28	191169	1	• CHAIN, Retract BL666 1044
29	191199	1	• WELDMENT, Retract anchor BL666
30	930127	1	• PIN, Anchor 3/8"
			Part list continued in following page



6.3 First Boom Assembly - SJ1044 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
31	191104	1	• CHAIN, Extend BL866 1044
32	191312	1	• CHAIN, Anchor threaded BL866"
33	230942	2	• BEARING, 2" Spherical maintenance free
34	920767	1	• BEARING, Spherical - A
35	191841	1	• SPACER, 0.531 ID X 1.00 OD X 22 GA
36	190545	1	• SPACER, Plastic 1/2" OD X 5/16" long X 0.252" ID
37	190019	1	• PLATE, Angle indicator
38	930195	2	• PLATE, Shim
39	920273	2	• PLATE, Shim
40	920274	2	• PLATE, Shim
41	926177	6	• PLATE, Shim
42	926942	6	• PLATE, Shim
43	927040	6	• PLATE, Shim
44	190215	2	• PLATE, Spacer 1/4
45	212450	2	• PLUG, Plastic 3/4" x 7/16"
46	119922	6"	• PROTECTIVE TRIM 1/4-1/2"
47	191311	1	• PLATE, Cylinder support
48	190143	1	• COVER, Boom - A
	235261	1	• COVER, Boom - B
49	932673	5	• COVER, Plate
50	190217	1	• PLATE, Cover 4D
51	199762	5	• CLAMP, Twin #08
52	199907	1	• CLAMP, Twin #12
53	933615	2	• PIN, Cotter
54	235239	2	• BEARING, 1-3/8" Spherical maintenance free - B
55	250485	2	• BEARING, 2" Spherical maintenance free

6.4 Second Boom Assembly - SJ1044 TH/THS

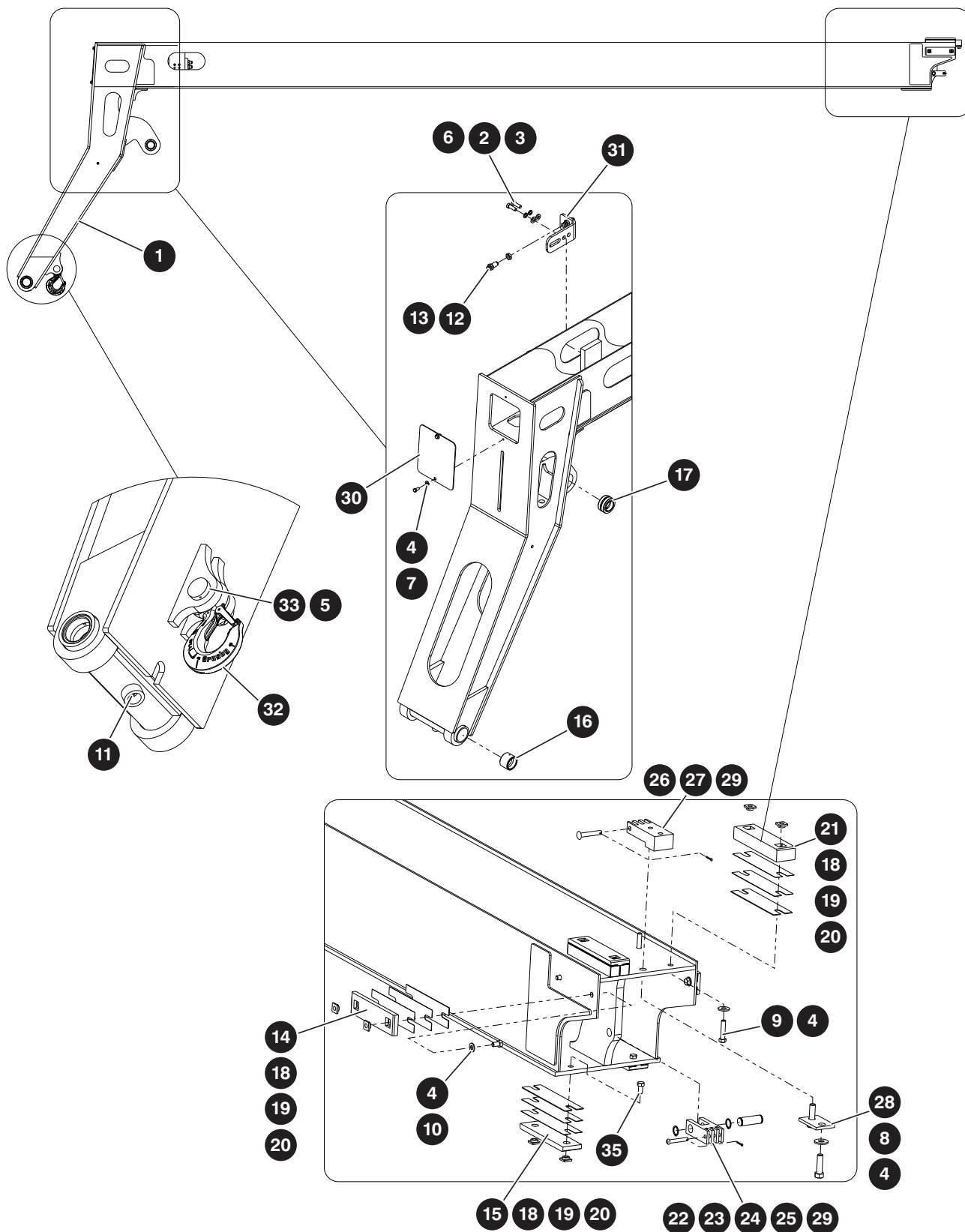


M190970AA

6.4 Second Boom Assembly - SJ1044 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
1	190908	1	WELDMENT, 2ND BOOM 1044
-	190970	-	ASSEMBLY, 2ND BOOM 1044
2	191099	1	• WELDMENT, FINGER
3	103887	2	• BOLT, Hex head 5/16"-18 X 3/4" Grade 5
4	123855	2	• BOLT, Hex head 1/2"-13 X 2-3/4" Grade 8
5	117430	16	• BOLT, Hex head 3/8"-16 X 1-1/4" Grade 8
6	217907	12	• BOLT, Hex head 3/8"-16 X 5/8" Grade 8
7	198872	1	• BEARING, 1-1/2" ID X 1-3/4" OD X 2-1/4" long
8	103874	1	• BOLT, Hex head 3/8"-16 X 2-3/4" Grade 5
9	191131	1	• PIN, Weldment 1-1/2" DIA x 3-5/8" long
10	190031	1	• PIN, 1-1/2" DIA X 5-3/8" long
11	103996	2	• WASHER, Flat 5/16" SAE
12	104379	2	• WASHER Flat 1/2" SAE Hard
13	125959	32	• WASHER, Flat 3/8" Hard
14	126286	2	• WASHER, Lock 1/2" grade 8
15	104606	1	• NUT, Lock with nylon insert 3/8"-16 Grade 5
16	704642	1	• SCREW, Flat head cap 5/16"-18 x 3/4", grade 5
17	191268	2	• WEAR PAD, Black 12 x 50 x 190
18	191269	2	• WEAR PAD, 27 X 45 X 190
19	191266	6	• WEAR PAD, 12 X 50 X 190
20	412664	4	• THRUST, Washer
21	412663	8	• THRUST, Washer
22	191081	4	• THRUST, Washer 1-1/2" ID X 2-3/16" OD X 1/16"
23	920272	2	• PLATE, SHIM
24	920271	2	• SHIM, Narrow offset
25	926488	2	• PLATE, SHIM
26	927040	12	• PLATE, SHIM
27	926177	12	• PLATE, SHIM
28	926942	12	• PLATE, SHIM
29	190218	2	• PLATE, Spacer 1/4" narrow
30	221762	2	• WEAR PAD, BLACK 31 X 50 X 190
31	221763	2	• WEAR PAD, BLACK 37.5 X 50 X 190
32	191097	1	• BOLT, Shoulder 1-1/4" DIA x 2-1/2" long
33	191127	1	• BRACKET, Sheave guard
34	191115	2	• SHEAVE, Hose
35	191313	1	• SHEAVE, Chain BL666
36	190030	1	• SHEAVE, Chain BL866
37	198871	1	• BEARING, 1-1/2" ID X 1-3/4" OD X 2-3/4" long

6.5 Third Boom Assembly - SJ1044 TH/THS

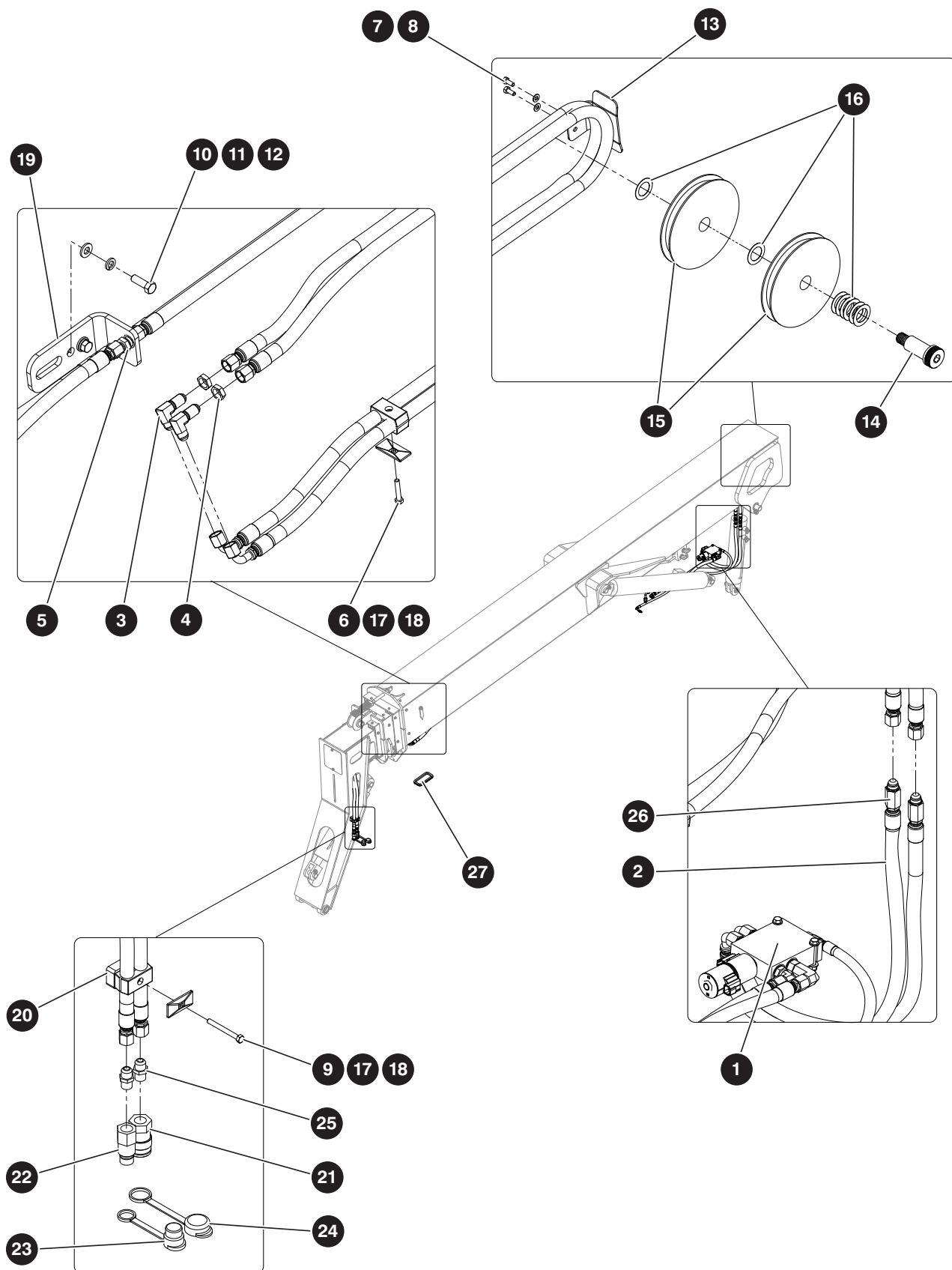


M190971AC

6.5 Third Boom Assembly - SJ1044 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
1	190909	1	WELDMENT, 3rd boom 1044
-	190971	-	ASSEMBLY, 3RD BOOM 1044
2	103470	2	• WASHER, Lock 1/2" grade 5
3	104379	2	• WASHER, Flat 1/2" SAE hard
4	125959	18	• WASHER, Flat 3/8" Hard
5	923134	1	• PIN, Quick attach
6	103907	2	• BOLT, Hex head 1/2"-13 x 1-1/2 grade 5
7	158488	2	• BOLT, Hex head 3/8"-16 x 3/4" grade 8
8	126361	2	• BOLT, Hex head 1/2"-13 x 1-3/4" grade 8
9	103871	4	• BOLT, Hex head 3/8"-16 x 1-3/4" grade 5
10	217907	4	• BOLT, Hex head 3/8"-16 x 5/8" grade 8
11	102027	1	• FITTING, Grease fitting, 1/8" NPT straight
12	154242	2	• NUT, Bulkhead - 08JIC
13	190302	2	• FITTING, Bulkhead straight (08 JICM - 08 JICM)
14	191266	2	• WEAR PAD, 12 X 50 X 190
15	191268	2	• WEAR PAD, Black 12 X 50 X 190
16	931521	2	• BEARING, Inner
17	920767	1	• BEARING, Spherical
18	927040	6	• PLATE, Shim
19	926942	6	• PLATE, Shim
20	926177	6	• PLATE, Shim
21	221763	2	• WEAR PAD, Black 37.5 x 50 x 190
22	191228	1	• PIN, Anchor BL666
23	191117	1	• ANCHOR, Chain BL666
24	933268	2	• RING, Ret
25	190227	1	• PIN, 3/4" DIA X 2.25 long
26	930127	1	• PIN, Anchor 3/8
27	190205	1	• ANCHOR, Chain stepped 866
28	190204	1	• PLATE, Anchor mount
29	933615	2	• PIN, Cotter
30	190206	1	• COVER, Fly boom
31	191128	1	• BRACKET, Bulkhead
32	240839	1	• HOOK, Rigging wall 5T
33	923135	1	• PIN, Lynch 7/16" DIA x 1-3/4" long
34	132565	1	• CAP, Grease GC5 (Not Shown)
35	300437	4	• BOLT, Hex head 3/8"-16 X 7/8" grade 5

6.6 Auxiliary Hydraulics Installation - SJ1044 TH/THS



M190099AF

6.6 Auxiliary Hydraulics Installation - SJ1044 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
-	191618	1	ASSEMBLY, AUXILIARY CONTROL SUBGROUP
1	(Ref).	1	• ASSEMBLY, Auxiliary manifold subgroup (For components, refer to Section 9.20)
2	(Ref).	1	• ASSEMBLY, Auxiliary hydraulics hoses 1044 (For components, refer to Section 9.18)
3	154241	2	• FITTING, Bulkhead 90° (08 JICM - 08 JICM)
4	154242	2	• NUT, Bulkhead - 08JIC
5	702598	2	• FITTING, 8JIC with lock nut
6	103885	5	• BOLT, Hex head 5/16"-18 x 1-3/4" grade 5
7	103996	2	• WASHER, Flat 5/16" SAE
8	103887	2	• BOLT, Hex head 5/16"-18 X 3/4" grade 5
9	103868	1	• BOLT, Hex head 5/16"-18 X 3-1/2" grade 5
10	104379	2	• WASHER, Flat 1/2" SAE hard
11	103470	2	• WASHER, Lock 1/2" grade 5
12	103907	2	• BOLT, Hex head 1/2"-13 X 1-1/2" grade 5
13	191127	1	• BRACKET, Sheave guard
14	191097	1	• BOLT, Shoulder 1-1/4" DIA x 2-1/2" long
15	191115	2	• SHEAVE, Hose
16	412663	8	• WASHER, Thrust
17	199762	6	• CLAMP, Twin #08
18	932673	6	• PLATE, Cover 3D
19	191128	1	• BRACKET, Bulkhead
20	191605	1	• PLATE, Hose stand off
21	206134	1	• COUPLING, Quick disconnect (flat-faced)
22	206135	1	• COUPLING, Nipple - quick disconnect
23	926080	1	• CAP, Dust - quick connect NI
24	926079	1	• CAP, Dust - quick connect CO
25	102659	2	• EXTENSION, Pipe 37° flare
26	197686	2	• FITTING, Bulk head straight (08 JICM - 08 ORBM)
27	119922	15"	• PROTECTIVE TRIM, 1/4"-1/2"

 **Notes**

Section 7 – Boom Assembly SJ1056 TH

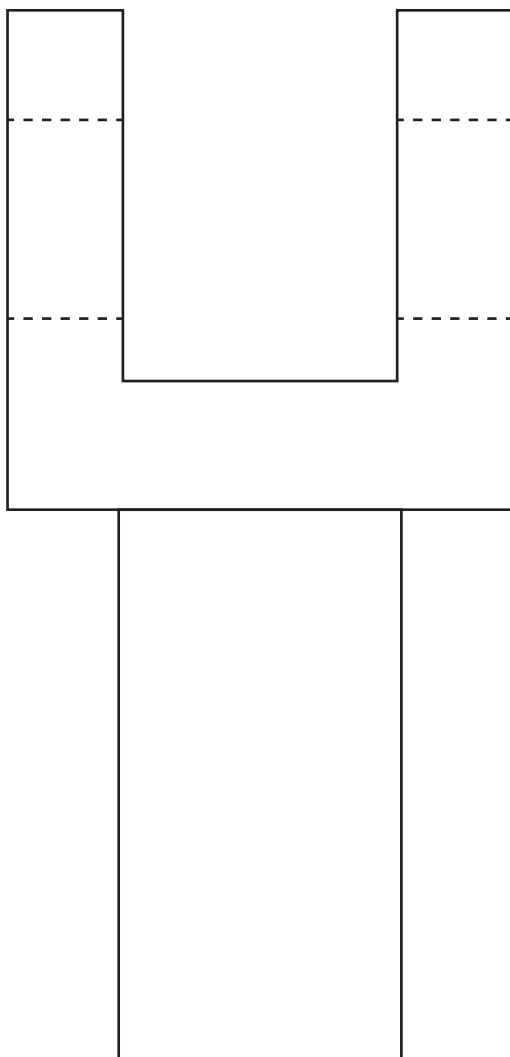
- 7.1** *Boom Installation*
- 7.3** *Boom Assembly SJ1056 TH/THS*
- 7.4** *First Boom Assembly SJ1056 TH/THS*
- 7.5** *Second Boom Assembly SJ1056 TH/THS*
- 7.6** *Third Boom Assembly SJ1056 TH/THS*
- 7.7** *Fourth Boom Assembly SJ1056 TH/THS*
- 7.8** *Cable Carrier Assembly*
- 7.9** *Auxiliary Hydraulics Installation SJ1056 TH/THS*



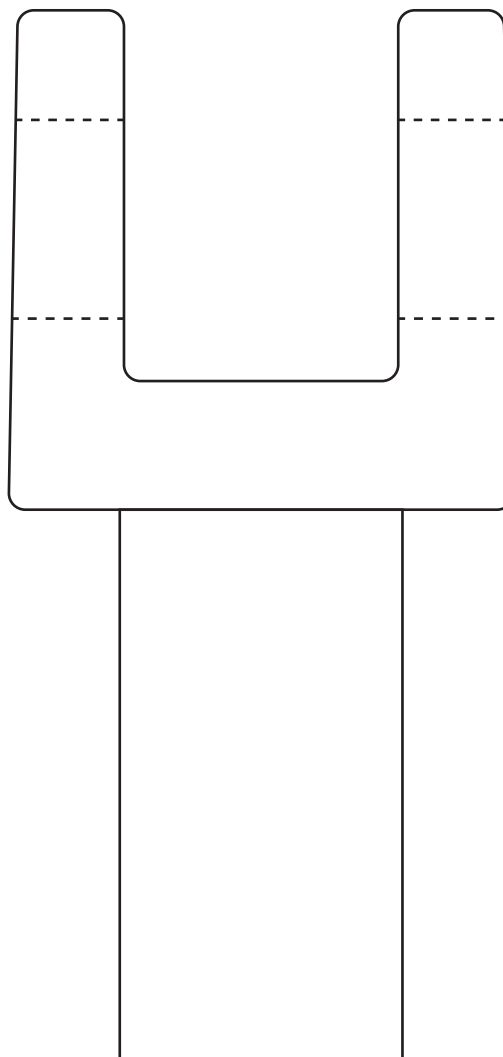
NOTE

If your telehandler has the Style B Clevis an extra crush washer (223856) and spacer (223853) is needed to secure the cylinder.

Style A Clevis



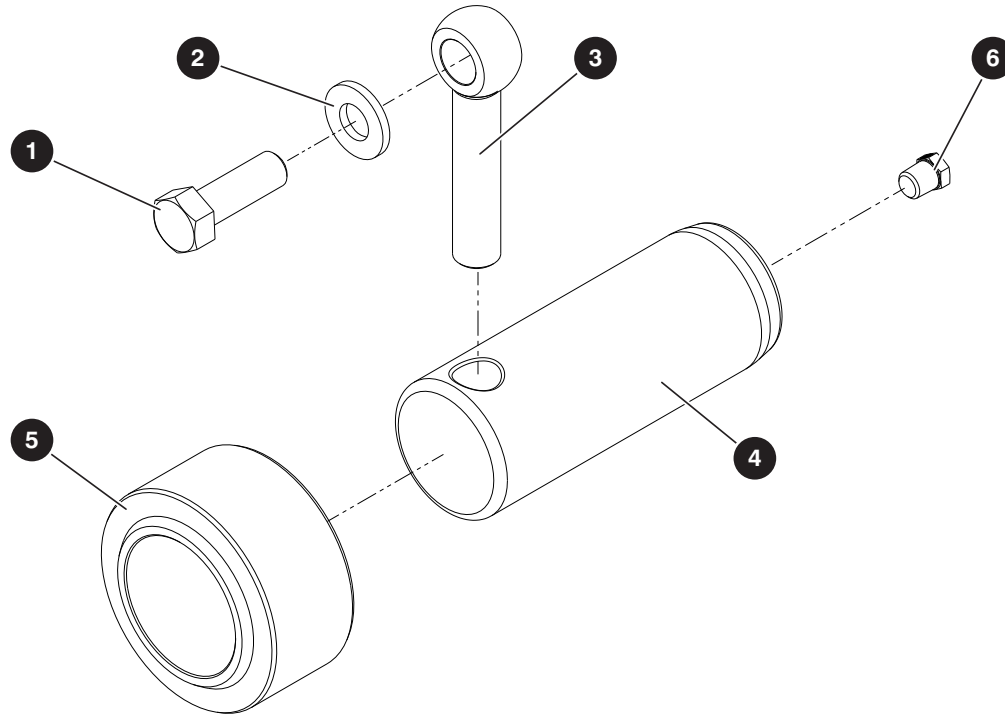
Style B Clevis





NOTE

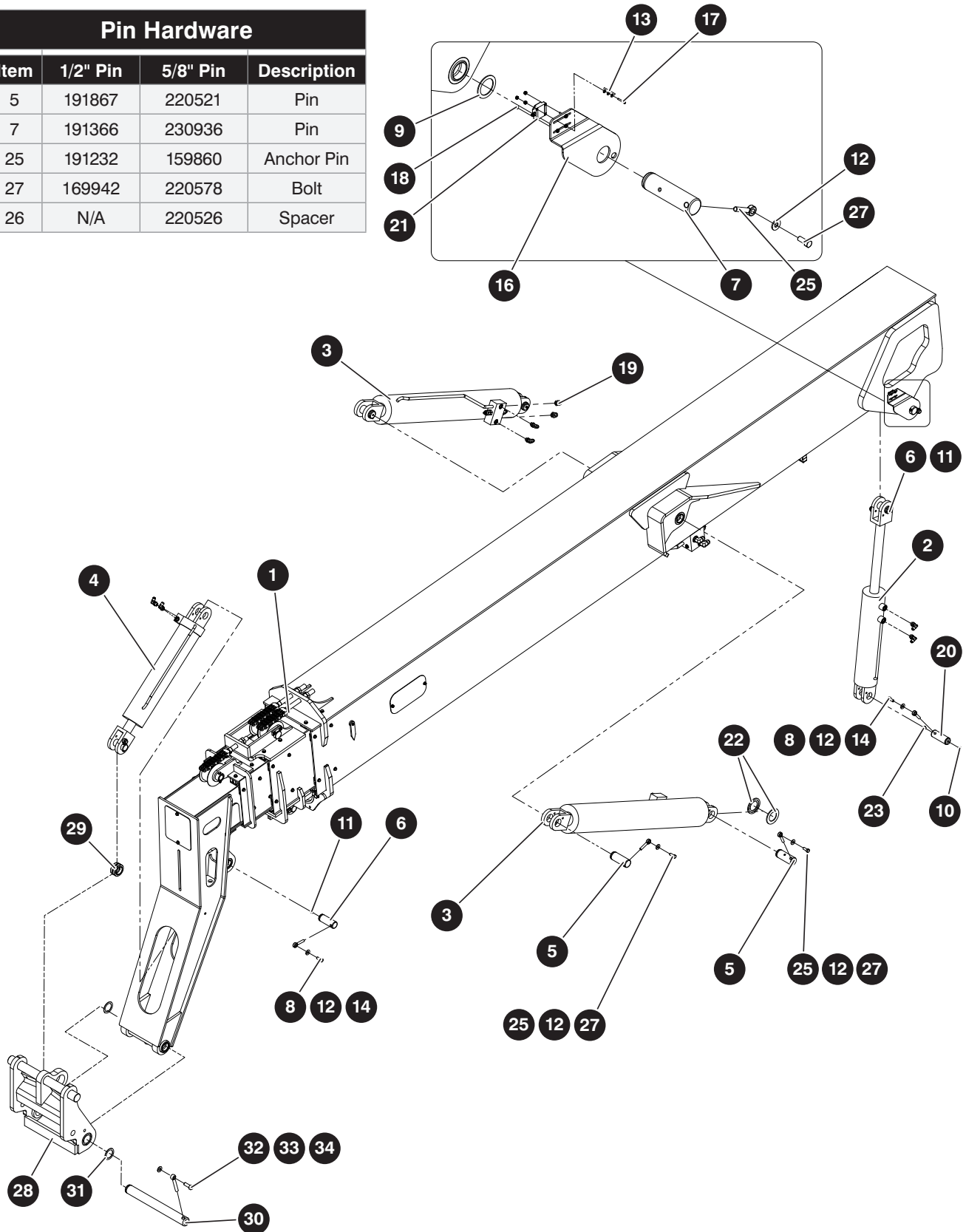
Make sure you order the correct hardware for your telehandler when replacing the bearings.



Index No.	Skyjack Part No.	Qty.	Description
A	236502	1	Assy, Maintenance Free Bearing, Grease Pin
B	236475	1	Assy, Maintenance Free Bearing, Greaseless Pin
1	220578	1	BOLT, Hex head, 1/2"-13 x 1-1/2" gr8 ZP
2	104379	1	Washer Flat 1/2" Hard
3	159860	1	PIN, Keeper- 5/8" short
4	220521	1	PIN, 2" OD x 5-9/32 - A
-	236503	1	PIN, 2" OD x 5-9/32, greaseless - B
5	230942	1	BEARING, Spherical maintenance free 2.00
6	230941	1	PLUG, External hex pipe 1/8" - A

7.1 Boom Installation

Pin Hardware			
Item	1/2" Pin	5/8" Pin	Description
5	191867	220521	Pin
7	191366	230936	Pin
25	191232	159860	Anchor Pin
27	169942	220578	Bolt
26	N/A	220526	Spacer

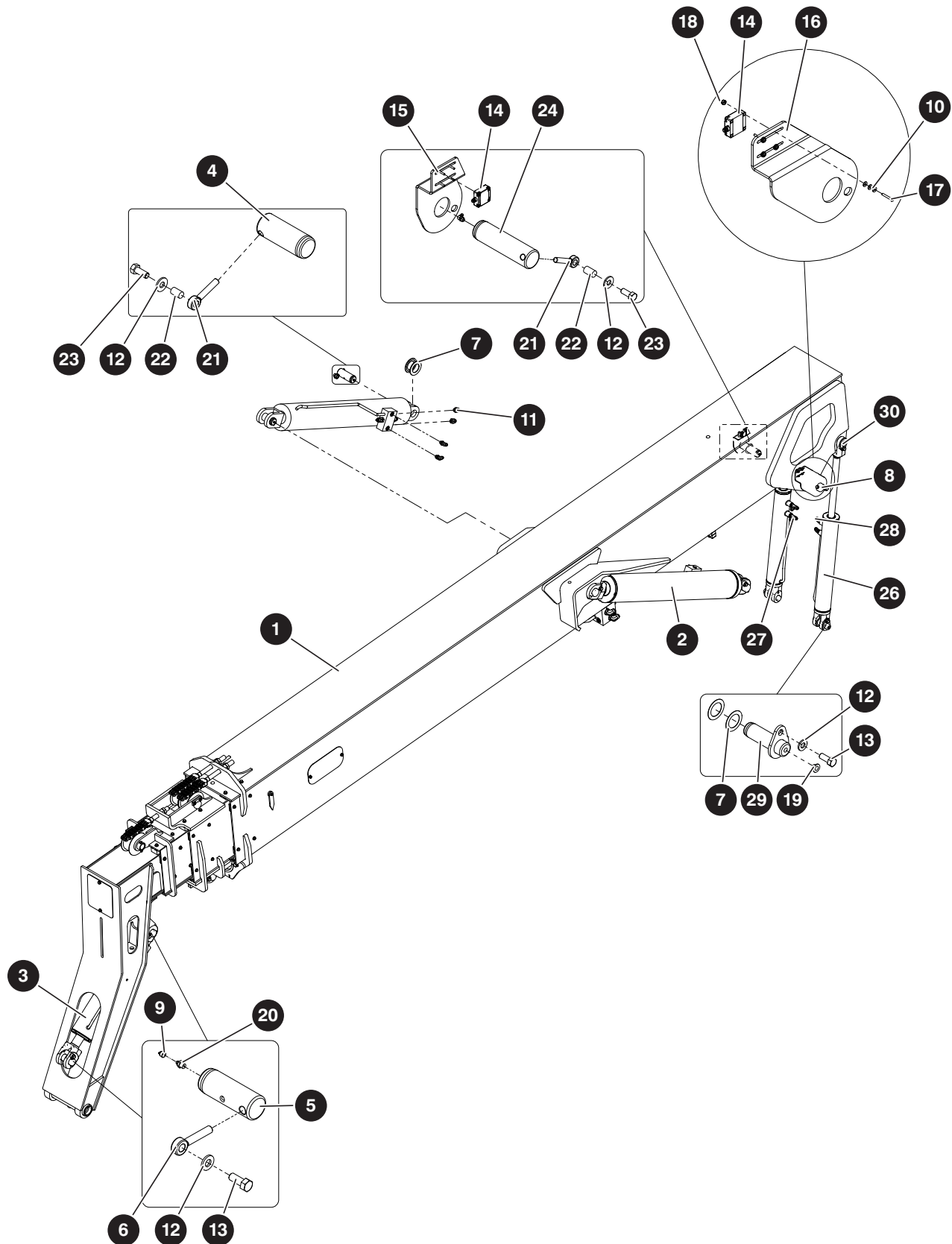


M190962AD

7.1 Boom Installation

Index No.	Skyjack Part No.	Qty.	Description
-	190932	1	SUBGROUP, BOOM 1056 - <i>For serial number 87312008 and below</i>
1	(Ref.)	1	• ASSEMBLY, BOOM 1056 <i>(For components, refer to Section 7.3)</i>
2	(Ref.)	1	• CYLINDER, TILT COMP <i>(For components, refer to Section 8.5)</i>
3	(Ref.)	2	• ASSEMBLY, Cylinder lift 150B <i>(For components, refer to Section 8.3)</i>
4	(Ref.)	1	• ASSEMBLY, Cylinder fork tilt <i>(For components, refer to Section 8.4)</i>
5A	220521	4	• PIN, 2" DIA x 5-9/32" long <i>(uses 5/8" anchor pin)</i>
5B	191867	4	• PIN, 2" DIA x 5-1/8" long <i>(uses 1/2" anchor pin)</i>
6	191866	3	• PIN, 1-3/4" DIA X 4-3/4" long
7A	230936	2	• PIN, 2" DIA x 7-17/32" long <i>(uses 5/8" anchor pin)</i>
7B	191366	2	• PIN, 2" DIA x 7-3/8" long <i>(uses 1/2" anchor pin)</i>
8	191232	3	• PIN, Anchor
9	931574	2	• WASHER, Thrust
10	700510	2	• FITTING, Grease, 1/8" NPT 90°
11	102027	2	• FITTING, GREASE 1/8" NPT Straight
12	104379	10	• WASHER, Flat 1/2" USS
13	191833	24	• WASHER, Flat #6
14	169942	3	• BOLT, Hex head 1/2"-13x1-1/4" Grade 8
15	191826	1	• PLATE, Sensor mount 70° - 10K
16	191825	1	• PLATE, Sensor mount 40° - 10k
17	103956	8	• SCREW, Round head machine 6-32 x 1"
18	196306	8	• NUT, Lock with nylon insert 6-32 Grade 5
19	144279	2	• FITTING, (08 SAE - 12 JIC)
20	191741	1	• PIN, 1-3/4" DIA X 5-3/16" Long
21	190547	2	• SENSOR, Inductive proxi 15mm
22	196586	4	• SPACER, Lift cylinder 10K
23	197449	1	• PLUG, 1/2" Wide flange
24	132565	4	• CAP, Grease GC5 (Not Shown)
25A	159860	7	• PIN, Anchor - 5/8"
25B	191232	6	• PIN, Anchor - 1/2"
26A	220526	7	• SPACER, .641ODx.531IDx.688LG
27A	220578	7	• BOLT, HEX HD\PATCH\0.5-13 X 1.50 gr8 ZP
27B	169942	6	• BOLT, Hex head 1/2"-13x1-1/4" Gr. 8
-	190456	1	QA ATTACHMENT SUBGROUP
-	235348	1	• KIT, Apron and Bearing
28	190016	1	• • WELDMENT, Apron
29	920767	1	• • BEARING, Spherical
30	190017	1	• PIN, 1.993" DIA x 18-1/2" long
31	931602	2	• WASHER, Thrust
32	700782	1	• WASHER, Flat 5/8" hard
33	148944	1	• BOLT, Hex head patch 5/8"-11 x 1-3/4" grade 8
34	146898	1	• PIN, Keeper 5/8"

7.2 Boom Installation - Dual tilt

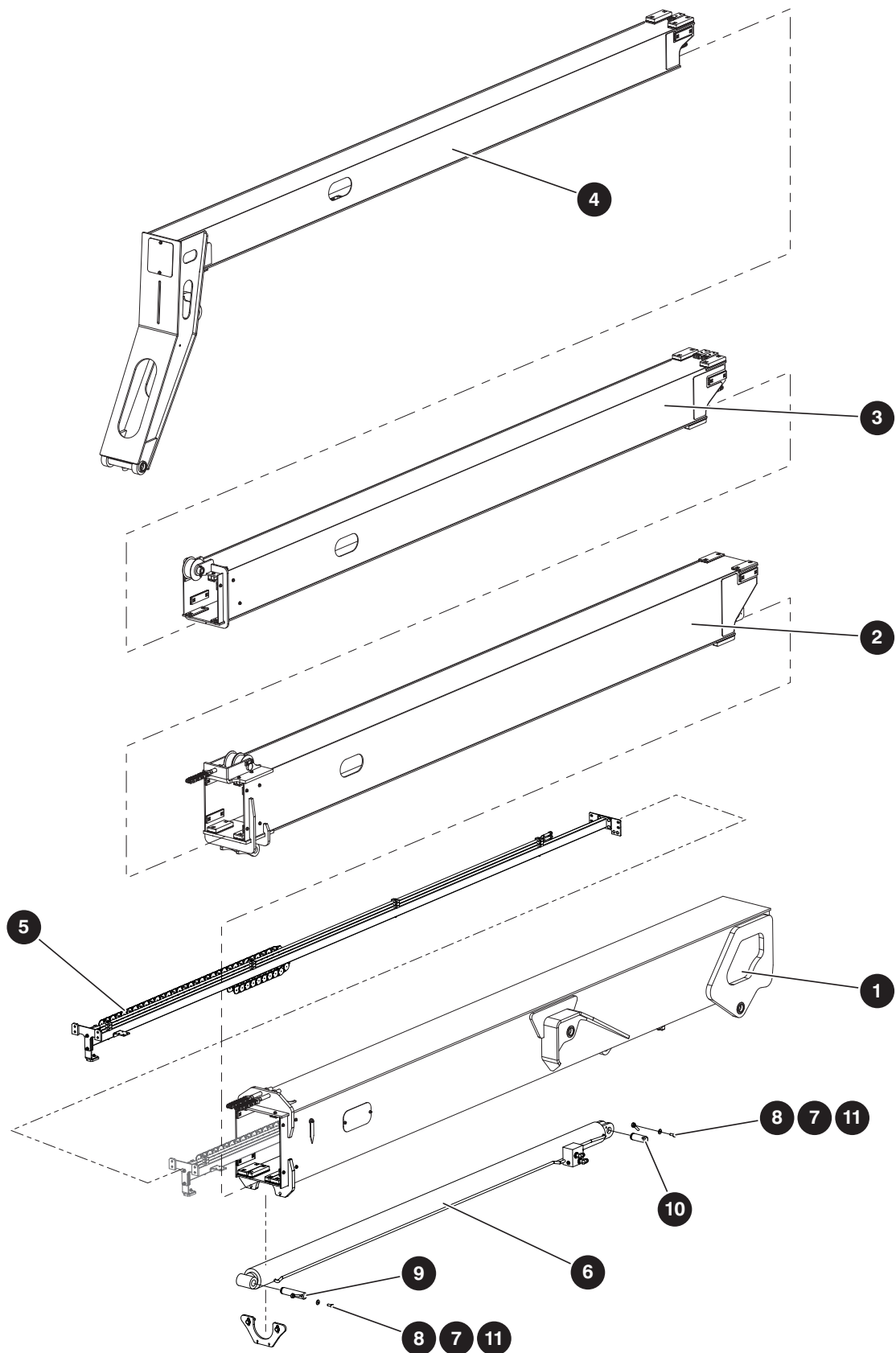


M232333AA

7.2 Boom Installation - Dual tilt

Index No.	Skyjack Part No.	Qty.	Description
-	232333	1	BOOM SUBGROUP - <i>For serial number 87312009 and above</i>
1	(Ref.)	1	ASSEMBLY, BOOM 1056 <i>(For components, refer to Section 7.3)</i>
2	(Ref.)	2	CYLINDER ASSEMBLY, LIFT 150B <i>(For components, refer to Section 8.3)</i>
3	(Ref.)	1	CYLINDER ASSEMBLY, FORK LIFT <i>(For components, refer to Section 8.4)</i>
4	220521	4	PIN, 2.00ODx5.281
5	191866	2	PIN, 1.75 DIA X 4.75 LG
6	191232	2	PIN, ANCHOR
7	196586	4	SPACER, LIFT CYL 10K
8	931602	2	WASHER THRUST 2" ID X 2.74" OD - 0.06"
9	102027	2	FTG GREASE 1/8 NPT STRAIGHT
10	191833	24	WASHER, FLAT #6
11	144279	2	FTG, 8 SAE TO -12 JIC
12	104379	12	Washer Flat 0.500 Hard
13	169942	6	BOLT, HXHD .500-13x1.250 GR8 ZN
14	190547	2	SENSOR, INDUCTIVE PROXI 15MM
15	191826	1	PLATE, SENSOR MOUNT 70 - 10K
16	191825	1	PLATE, SENSOR MOUNT 40 - 10K
17	103956	8	SCREW, RND HD MACHINE 6-32 x 1.000
18	196306	8	NUT, LOCK 6-32 GR5 - NYL
19	197449	2	PLUG 1/2" WIDE FLANGE
20	132565	2	CAP, GREASE GC5
21	159860	6	KEEPER PIN - 0.625 SHORT
22	220526	6	SPACER, .641ODx.531IDx.688LG
23	220578	6	BOLT, HEX HD\PATCH\0.5-13 X 1.50 gr8 ZP
24	230936	2	PIN, 2.00ODx7.531 NO GREASE
25	230941	4	PLUG, EXTERNAL HEX PIPE 1/8"
26	(Ref.)	2	CYLINDER, TILT COMP <i>(For components, refer to Section 8.5)</i>
27	110554	2	FTG, RUN TEE (8JICM-8ORBM-8JICM)
28	114583	2	FTG, 90 DEG (08JICM-08ORBM)
29	235248	2	PIN WLDT, 1.375 DIA X 4.875 LG
30	235241	2	PIN WLDT, 1.375 DIA X 4.375 LG
31	236328	8	THRUST WASHER, 1.375ID X 2.062OD X .03THK

7.3 Boom Assembly SJ1056 TH/THS

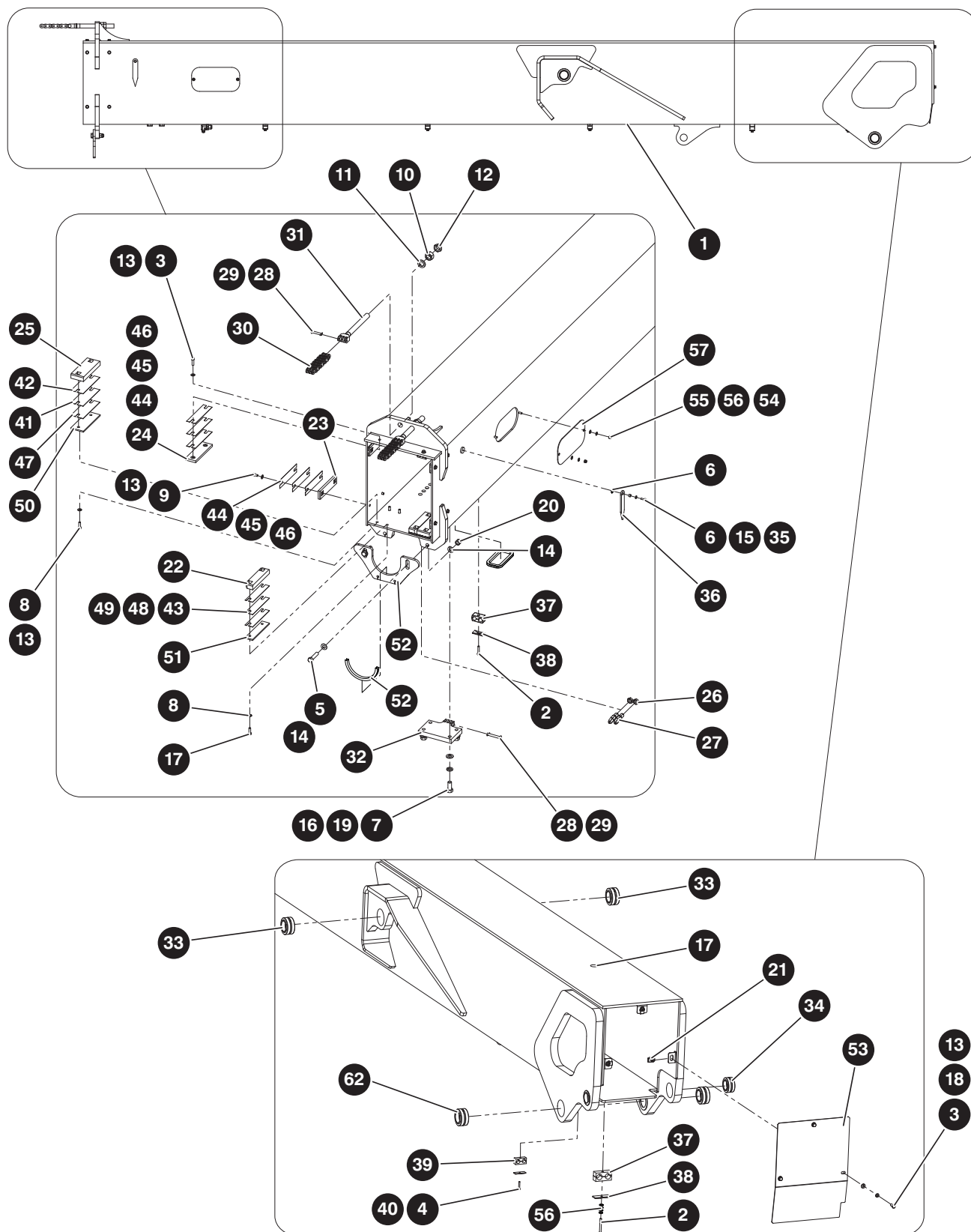


M190453AA

7.3 Boom Assembly SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
A	190453	1	ASSEMBLY, FIRST BOOM 1056 For serial number 87312008 and below
B	232334	1	ASSEMBLY, FIRST BOOM 1056 For serial number 87312009 and above
1	(Ref.)	1	ASSEMBLY, First boom 1056 <i>(For components, refer to Section 7.4)</i>
2	(Ref.)	1	ASSEMBLY, Second boom 1056 <i>(For components, refer to Section 7.5)</i>
3	(Ref.)	1	ASSEMBLY, Third boom 1056 <i>(For components, refer to Section 7.6)</i>
4	(Ref.)	1	ASSEMBLY, Fourth boom 1056 <i>(For components, refer to Section 7.7)</i>
5	(Ref.)	1	ASSEMBLY, Cable carrier <i>(For components, refer to Section 7.9)</i>
6	(Ref.)	1	ASSEMBLY, Extension cylinder 1056 <i>(For components, refer to Section 8.2)</i>
7	104379	2	WASHER, Flat 1/2" hard
8	169942	2	BOLT, Hex head 1/2"-13 X 1-1/4" grade 8 zinc
9	190029	1	PIN, 1-3/4" DIA X 7-7/8" long
10	190018	1	PIN, 1-3/4" DIA X 4-7/8" long
11	191232	2	PIN, Anchor

7.4 First Boom Assembly SJ1056 TH/THS

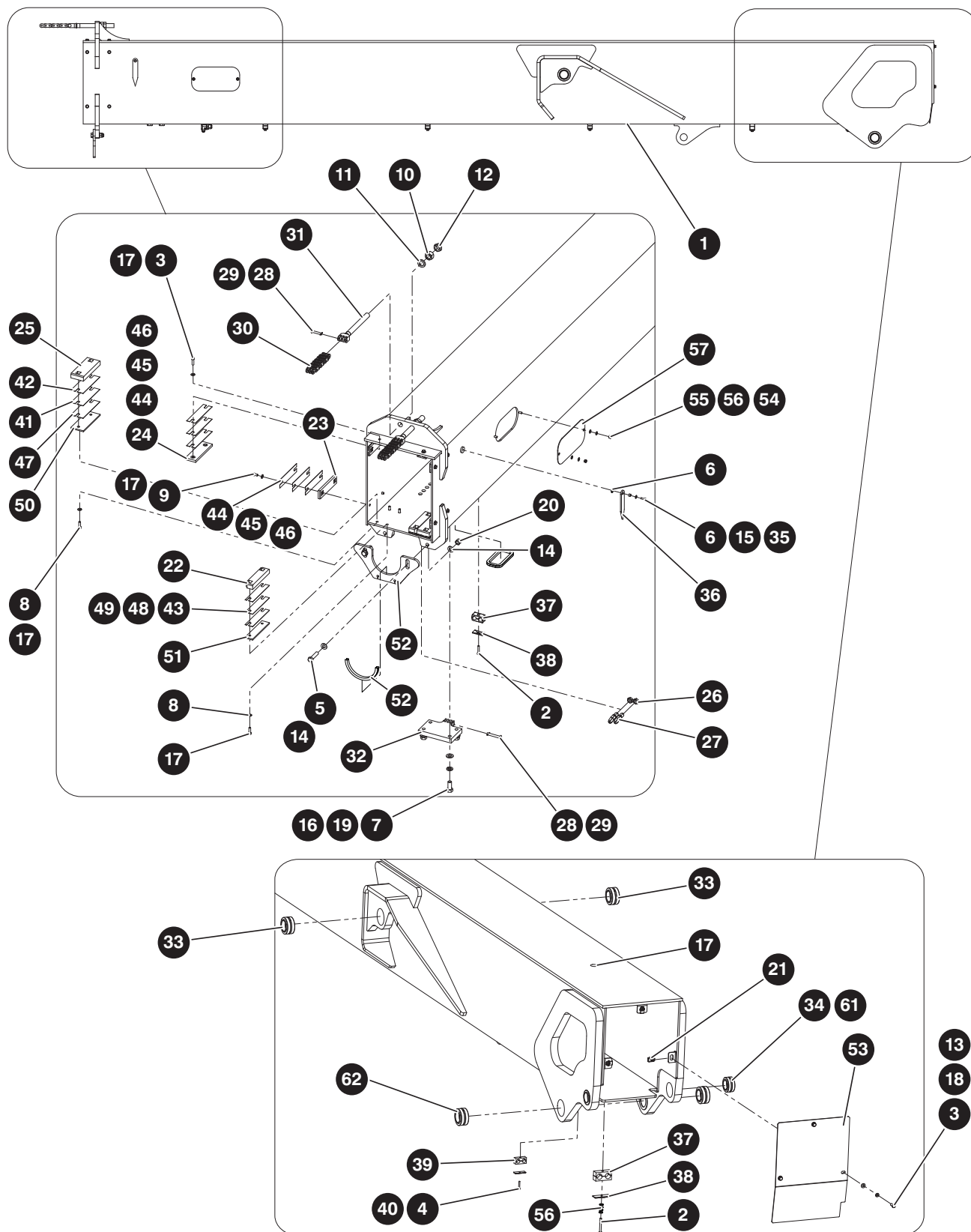


M232335AA

7.4 First Boom Assembly SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
1	190304	1	WELDMENT, First boom 1056 For serial number 87312008 and below
	235254	1	WELDMENT, First boom 1056 - Dual tilt For serial number 87312009 and above
A	190269	1	ASSEMBLY, FIRST BOOM 1056 For serial number 87312008 and below
B	232335	1	ASSEMBLY, FIRST BOOM 1056 For serial number 87312009 and above
2	103866	2	• BOLT, Hex head 5/16"-18 X 2-1/4" grade 5
3	207298	7	• BOLT, Hex head 3/8"-16 X 1" grade 8
4	103885	5	• BOLT, Hex head 5/16"-18 X 1-3/4" grade 5
5	100844	2	• BOLT, Hex head 5/8"-11 X 2-3/4" grade 8
6	103891	1	• BOLT, Hex head 1/4"-20 X 7/8" grade 5
7	933473	4	• BOLT, Hex head 3/4"-10 x 1-3/4"
8	117430	8	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 8
9	158488	8	• BOLT, Hex head 3/8"-16 X 3/4" grade 8
10	411959	2	• NUT, Hex 1"-14 grade 8 zinc DICH
11	932724	2	• WASHER, Flat
12	107947	2	• NUT, Jam hex head 1"-14 grade 5
13	125959	27	• WASHER, Flat 3/8" SAE hard
14	700782	4	• WASHER, Flat 5/8" hard
15	103995	1	• WASHER, 5/16" ID X 3/4" OD X 1/16" zinc
16	702194	4	• WASHER, Flat 3/4" hard high zinc
17	196369	2	• PLUG, Plastic 3/4" tube ID
18	103999	3	• WASHER, Lock 3/8"
19	104002	4	• WASHER, Lock 3/4"
20	111577	2	• NUT, Lock with nylon insert 5/8"-11 grade 5
21	159294	3	• NUT, Speed clip 3/8"-16
22	191269	2	• WEAR PAD, 27 X 45 X 190
23	191266	4	• WEAR PAD, 12 X 50 X 190
24	191268	2	• WEAR PAD, Black 12 X 50 X 190
25	191267	2	• WEAR PAD, Black 27 X 75 X 190
26	154242	2	• NUT, Bulkhead - 08 JIC
27	154241	2	• FITTING, 90° Bulkhead (08 JICM - 08 JICM)
28	933615	3	• PIN, Cotter
29	930127	3	• PIN, Anchor 3/8"
30	190465	2	• CHAIN, Extend BL866 1056
			Part list continued in following page

7.4 First Boom Assembly SJ1056 TH/THS

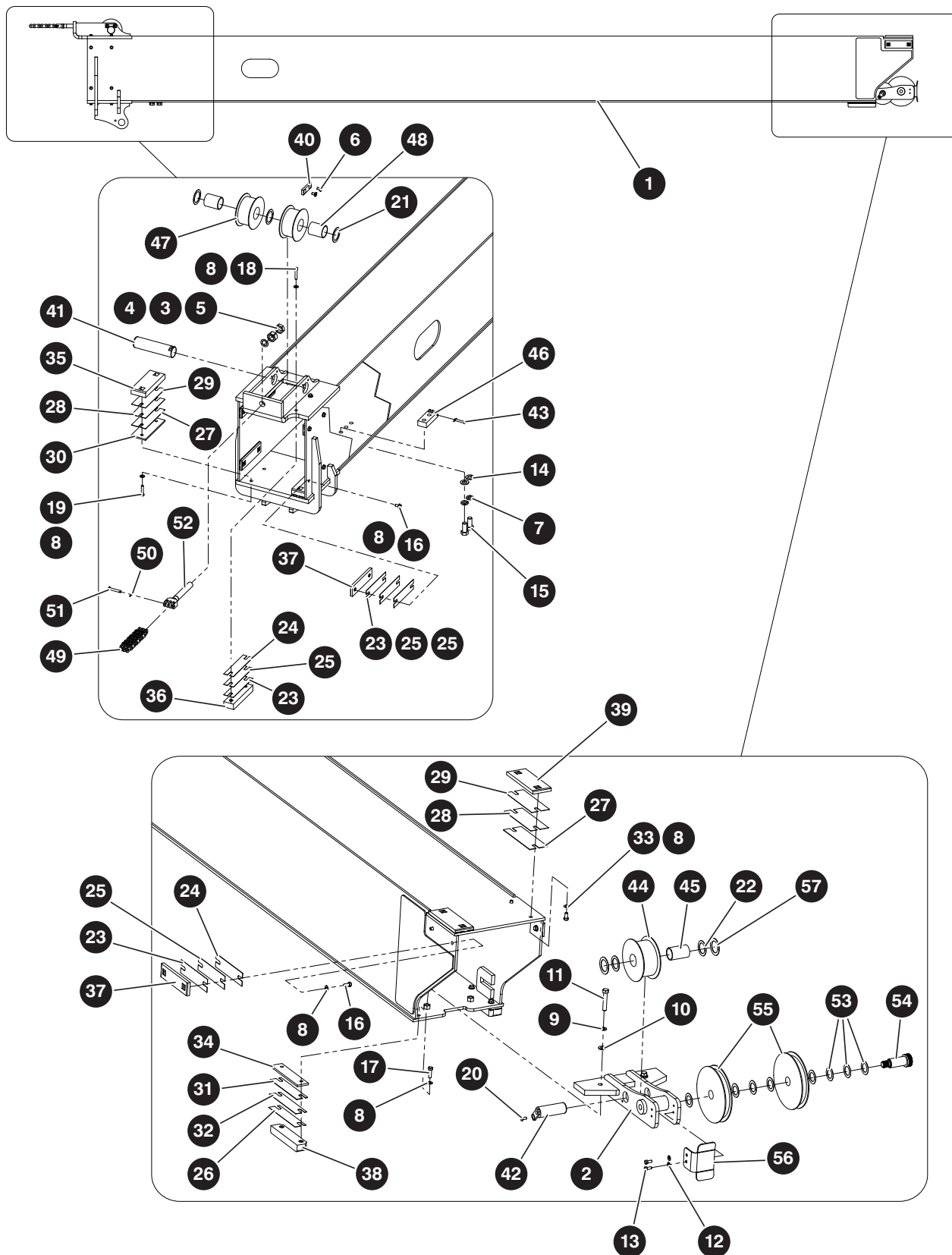


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7.4 First Boom Assembly SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
31	191312	2	• ANCHOR, Chain threaded BL866
32	190467	1	• ANCHOR, Chain 866
33	230942	2	• BEARING, 2" Spherical maintenance free
34	920767	1	• BEARING, Spherical - A
35	190545	1	• SPACER, Stainless Steel 1/2" OD X 5/16" long X 0.252" ID
36	190019	1	• PLATE, Angle indicator
37	199907	2	• CLAMP, Twin #12
38	190217	2	• PLATE, Cover 4D
39	199762	5	• CLAMP, Twin #08
40	932673	5	• COVER PLATE
41	920273	2	• PLATE, Shim (1/32")
42	920274	2	• PLATE, Shim (1/64")
43	920272	2	• PLATE, Shim (1/64")
44	927040	6	• PLATE, Shim (0.022")
45	926942	6	• PLATE, Shim (1/32")
46	926177	6	• PLATE, Shim (1/16")
47	930195	2	• PLATE, Shim (1/16")
48	926488	2	• PLATE, Shim (1/32")
49	920271	2	• SHIM, Narrow offset
50	190215	2	• PLATE, Spacer 1/4"
51	190218	2	• PLATE, Spacer 1/4" narrow
52	191344	1	• PLATE, Cylinder support
53	190464	1	• COVER, Boom - A
	235257	1	• COVER, Boom - B
54	103404	4	• WASHER, Lock 5/16"
55	100397	4	• NUT, 5/16"-18 grade 5
56	103996	12	• WASHER, Flat 5/16"
57	191377	2	• PLATE, Side cover
58	191841	1	• SPACER, 17/32" ID x 1" OD X 22 GA
59	119922	9	• PROTECTIVE TRIM 1/4-1/2"
60	119922	12	• PROTECTIVE TRIM 1/4-1/2"
61	235239	2	• BEARING, SPHERICAL MAINT-FREE DIA 1-3/8" - B
62	250485	2	• BEARING, 2" Spherical maintenance free

7.5 Second Boom Assembly SJ1056 TH/THS

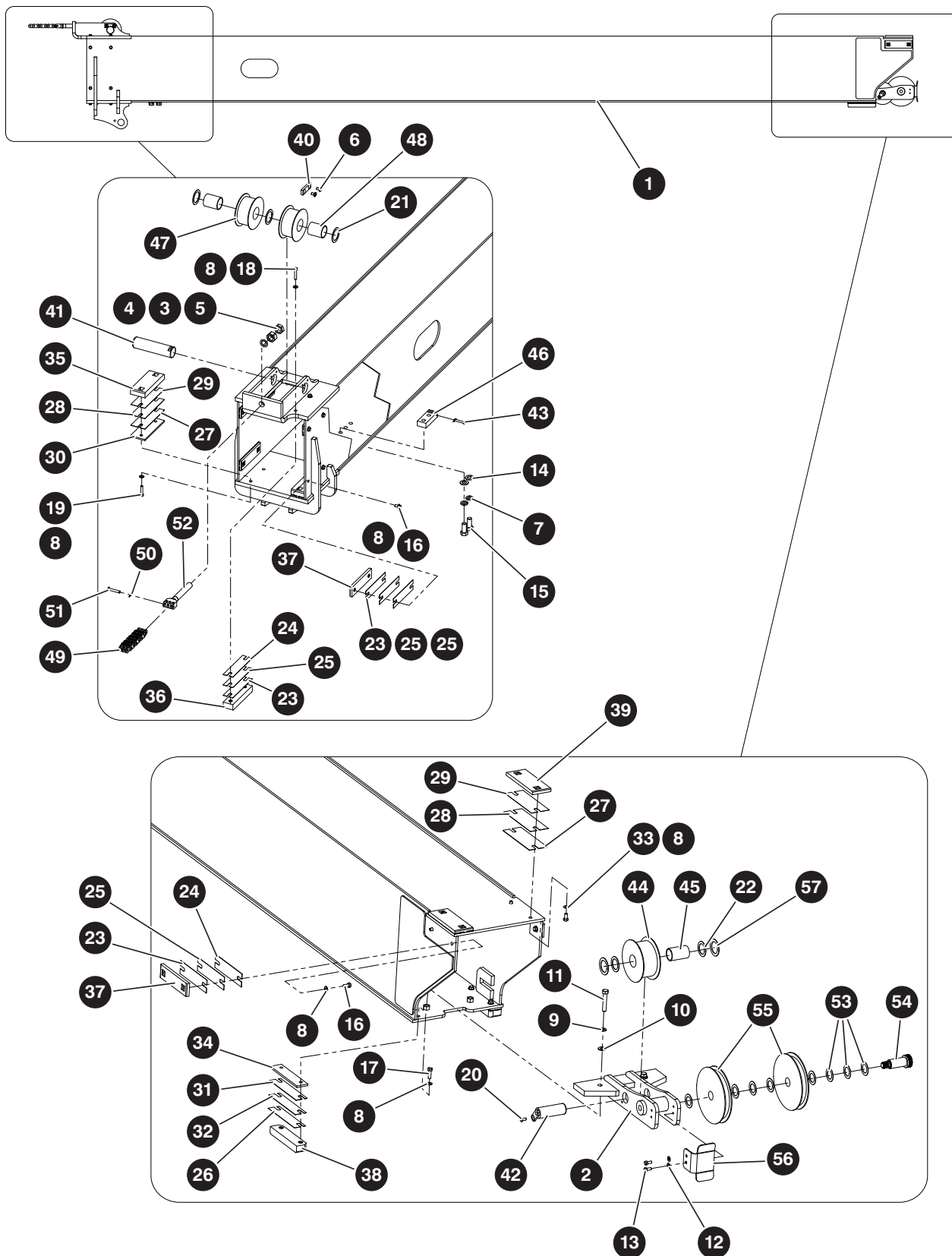


M190303AH

7.5 Second Boom Assembly SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
1	190305	1	WELDMENT, Second boom 1056
-	190303	1	ASSEMBLY, SECOND BOOM 1056
2	191355	1	• WELDMENT, Finger 1056
3	411959	1	• NUT, Hex 1"-14 grade 8 zinc DICH
4	932724	1	• WASHER, Flat
5	107947	1	• NUT, Hex head jam 1"-14 grade 5
6	701620	2	• SCREW, Flat HCS 3/8"-16 X 3/4" grade 5
7	104002	2	• WASHER, Lock 3/4"
8	125959	34	• WASHER, Flat 3/8" Hard
9	126286	2	• WASHER, Lock 1/2" grade 8
10	104379	2	• WASHER, Flat 1/2" SAE hard
11	123855	2	• BOLT, Hex head 1/2"-13 X 2-3/4" grade 8
12	103996	2	• WASHER, 11/32" ID X 3/4" OD X 3/32" zinc
13	103887	2	• BOLT, Hex head 5/16"-18 X 3/4" grade 5
14	702194	2	• WASHER, Flat 3/4" hard high zinc
15	933473	2	• BOLT, Hex head 3/4"-10 X 1-3/4"
16	158488	12	• BOLT, Hex head 3/8"-16 X 3/4" grade 8
17	117430	4	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 8
18	706789	4	• BOLT, Hex head 3/8"-16 X 1/1-2" grade 8
19	197754	4	• BOLT, Hex head 3/8"-16 X 1-3/4" grade 8
20	704642	1	• SCREW, Flat head cap 5/16"-18 X 3/4" grade 5
21	931602	3	• WASHER, Thrust 0.060"
22	191081	2	• WASHER, Thrust 1-1/2" ID X 2-3/16" OD X 1/16" thick
23	927040	8	• PLATE, Shim
24	926177	8	• PLATE, Shim
25	926942	8	• PLATE, Shim
26	920272	2	• PLATE, Shim
27	930195	4	• PLATE, Shim
28	920273	4	• PLATE, Shim
29	920274	4	• PLATE, Shim
30	190215	2	• PLATE, Spacer 1/4"
Part list continued in following page			

7.5 Second Boom Assembly SJ1056 TH/THS

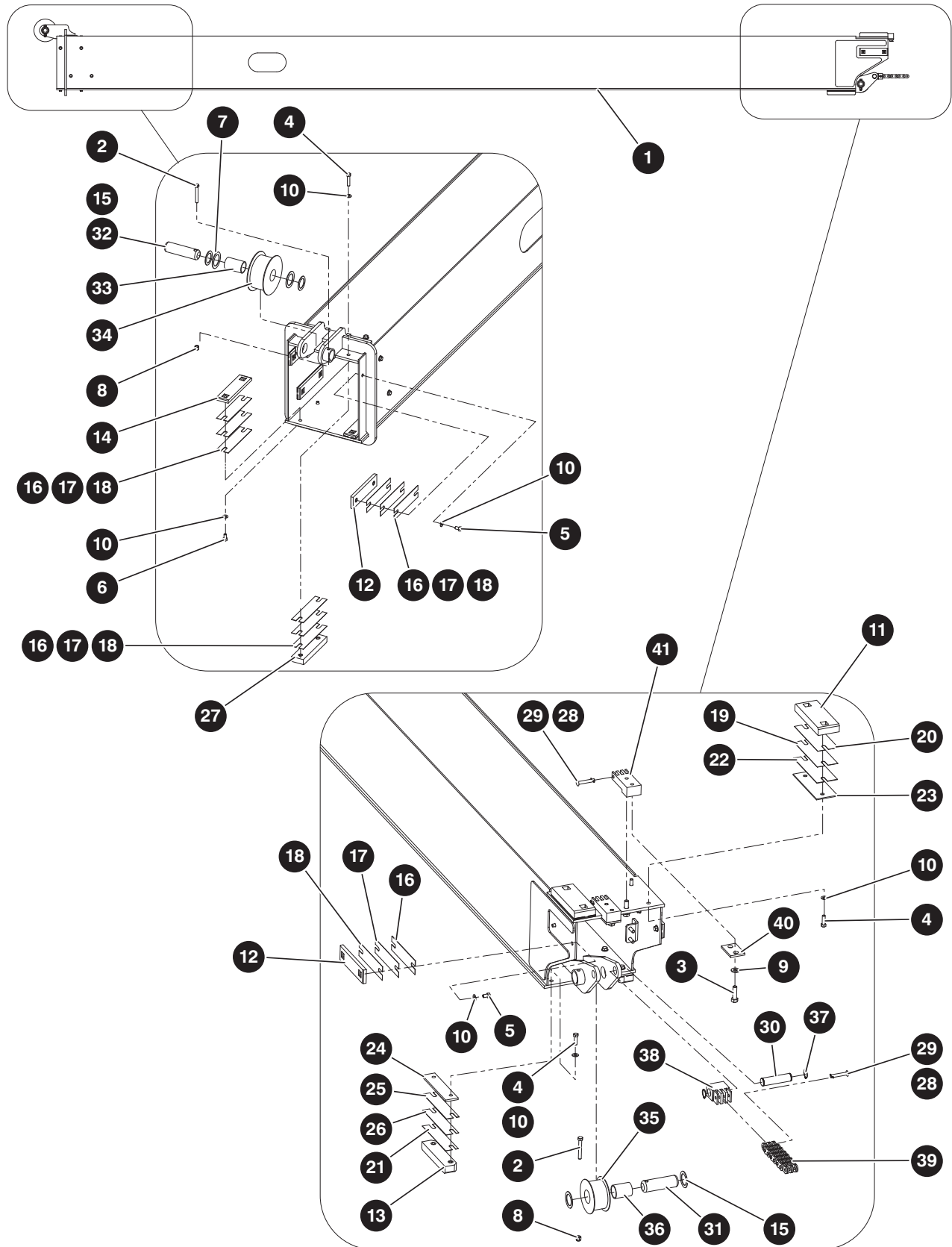


M190303AH

7.5 Second Boom Assembly SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
31	926488	2	• PLATE, Shim
32	920271	2	• SHIM, Narrow offset
33	125741	4	• BOLT, Hex head 3/8"-16 X 7/8" grade 8
34	190218	2	• PLATE, Spacer 1/4" narrow
35	191267	2	• WEAR PAD, Black 27 X 75 X 190
36	221762	2	• WEAR PAD, Black 31 X 50 X 190
37	191266	6	• WEAR PAD, 12 X 50 X 190
38	191269	2	• WEAR PAD, 27 X 45 X 190
39	191270	2	• WEAR PAD, Black 12 X 75 X 190
40	412349	1	• BAR, Lock
41	190798	1	• PIN, 2" DIA X 7-13/16" long
42	190821	1	• PIN, Weldment 1-1/2" DIA X 4-3/16" long
43	191228	1	• PIN, Anchor BL666
44	190030	1	• SHEAVE, Chain BL866
45	198871	1	• BEARING, 1-1/2" ID X 1-3/4" OD X 2-3/4" long
46	191188	1	• ANCHOR, Chain BL666
47	190796	2	• SHEAVE, Chain BL866 2-1/4" ID
48	190797	2	• BEARING, 2" ID X 2-1/4" OD X 2-3/4" long
49	190822	1	• CHAIN, Extend BL866, 1056
50	933615	2	• PIN, Cotter
51	930127	1	• PIN, Anchor 3/8"
52	191367	1	• ANCHOR, Chain threaded BL866
53	412663	8	• WASHER, Thrust
54	191097	1	• BOLT, Shoulder 1-1/4" DIA X 2-1/2" long
55	191115	2	• SHEAVE, Hose
56	191127	1	• BRACKET, Sheave guard
57	412664	2	• WASHER, Thrust

7.6 Third Boom Assembly SJ1056 TH/THS

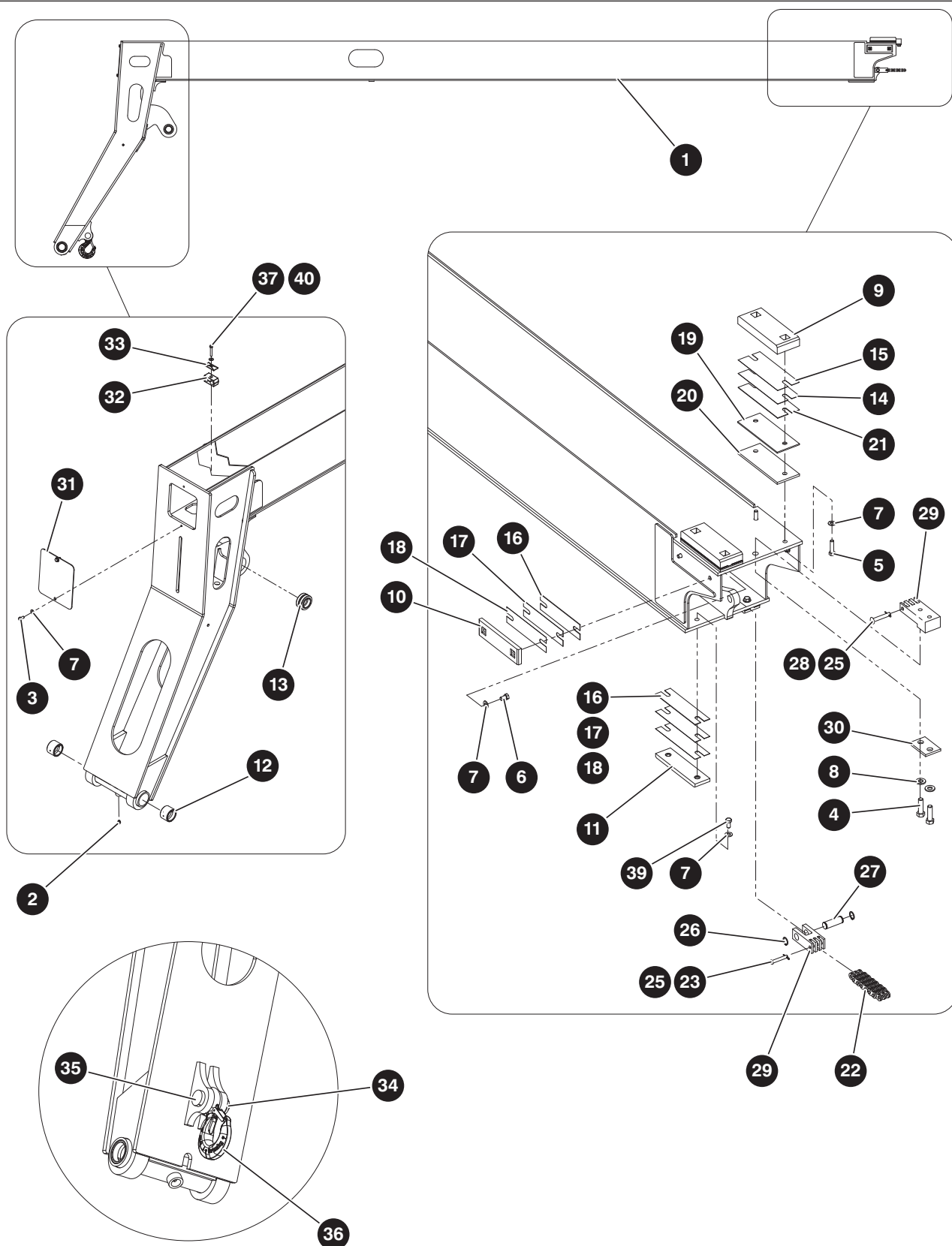


M190454AH

7.6 Third Boom Assembly SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
1	190306	1	WELDMENT, Third boom 1056
-	190454	1	ASSEMBLY, THIRD BOOM 1056
2	103874	2	• BOLT, Hex head 3/8"-16 X 3-3/4" grade 5
3	126361	4	• BOLT, Hex head 1/2"-13 X 1-3/4" grade 8
4	117430	12	• BOLT, Hex head 3/8"-16 X 1-1/4" grade 8
5	217907	12	• BOLT, Hex head 3/8"-16 X 5/8" grade 8
6	125741	4	• BOLT, Hex head 3/8"-16 X 7/8" grade 8
7	412664	4	• WASHER, Thrust
8	104606	2	• NUT, Lock with nylon insert 3/8"-16 grade 5
9	104379	4	• WASHER, Flat 1/2" SAE hard
10	125959	32	• WASHER, Flat 3/8" Hard
11	191267	2	• WEAR PAD, Black 27 X 75 X 190
12	191266	6	• WEAR PAD, 12 X 50 X 190
13	191269	2	• WEAR PAD, 27 X 45 X 190
14	191268	2	• WEAR PAD, Black 12 X 50 X 190
15	191081	4	• WASHER, Thrust 1-1/2" ID X 2-3/16" OD X 1/16" thick
16	926177	10	• PLATE, Shim
17	926942	10	• PLATE, Shim
18	927040	10	• PLATE, Shim
19	920273	2	• PLATE, Shim
20	920274	2	• PLATE, Shim
21	920272	2	• PLATE, Shim
22	930195	2	• PLATE, Shim
23	190873	2	• PLATE, Spacer 10 GA
24	190218	2	• PLATE, Spacer 1/4 narrow
25	926488	2	• PLATE, Shim
26	920271	2	• SHIM, Narrow offset
27	221763	2	• WEAR PAD, Black 37.5 x 50 x 190
28	930127	3	• PIN, Anchor 3/8"
29	933615	3	• PIN, Cotter
30	191360	1	• PIN, 1" DIA X 4" long
31	191359	1	• PIN, 1-1/2" DIA X 4-3/4" long
32	190031	1	• PIN, 1-1/2" DIA X 5-3/8" long
33	198871	1	• BEARING, 1-1/2" ID X 1-3/4" OD X 2-3/4" long
34	190030	1	• SHEAVE, Chain BL866
35	191358	1	• SHEAVE, Chain BL666
36	198872	1	• BEARING, 1-1/2" ID X 1-3/4" OD X 2-1/4" long
37	404830	2	• RING, Retaining 1" shaft diameter
38	191361	1	• ANCHOR, Chain BL866
39	190466	1	• CHAIN, Retract BL866, 1056
40	190204	2	• PLATE, Anchor mount
41	190205	2	• ANCHOR, Chain stepped 866

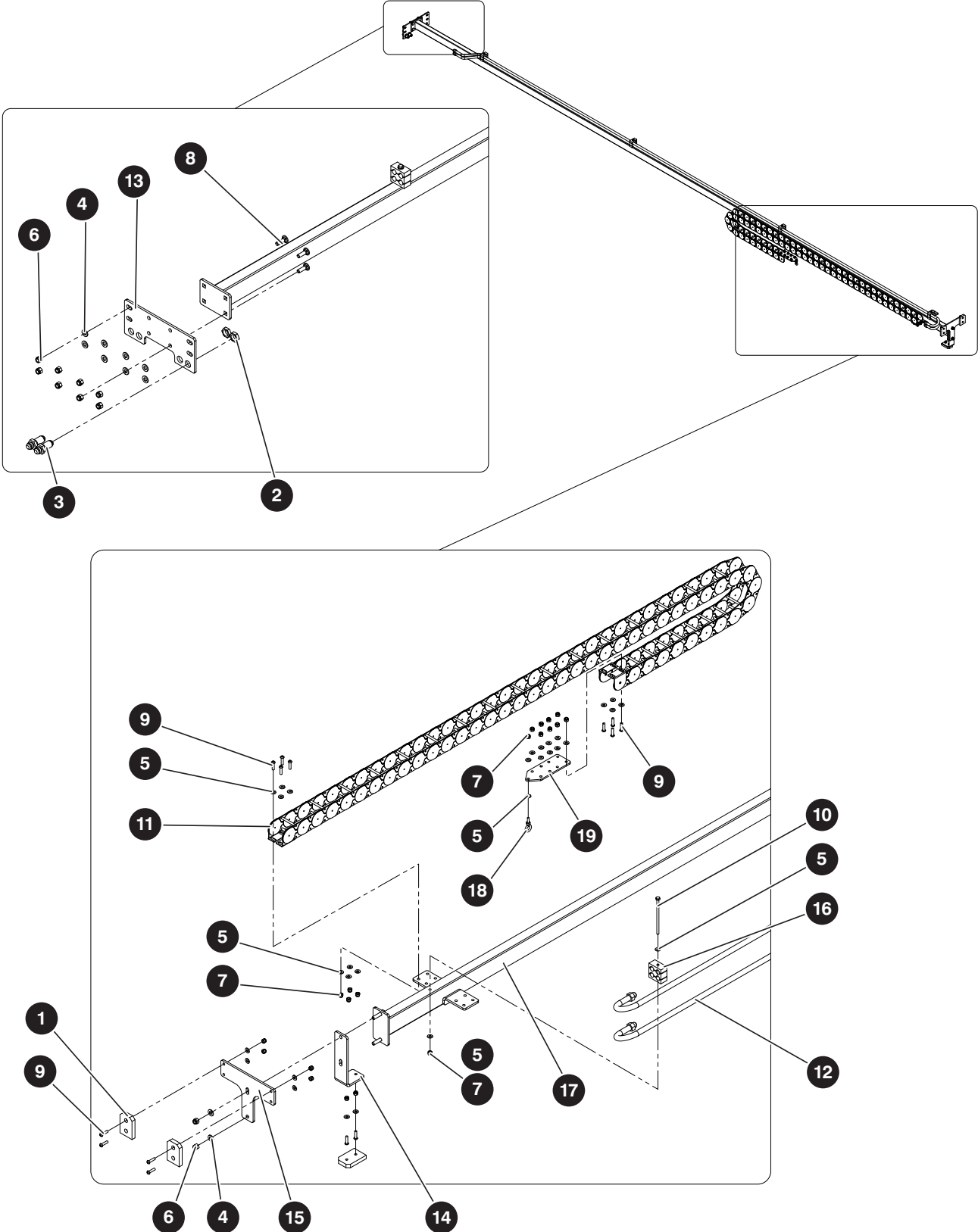
7.7 Fourth Boom Assembly SJ1056 TH/THS



M190455AA

7.7 Fourth Boom Assembly SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
1	190308	1	• WELDMENT, 4th boom 1056
-	190455	1	ASSEMBLY, FOURTH BOOM 1056
2	102027	1	• FITTING, 1/8" Grease straight
3	104379	2	• BOLT, Hex head 3/8"-16 X 3/4" grade 8
4	126361	2	• BOLT, Hex head 1/2"-13 X 1-3/4" grad 8
5	103870	4	• BOLT, Hex head 3/8"-16 X 1-1/2" grad 5
6	217907	4	• BOLT, Hex head 3/8"-16 X 5/8" grade 8
7	125959	18	• WASHER, Flat 3/8" Hard
8	104379	2	• WASHER, Flat 1/2" SAE hard
9	191267	2	• WEAR PAD, Black 27 x 75 x 190
10	191266	2	• WEAR PAD, 12 X 50 X 190
11	191268	2	• WEAR PAD, Black 12 X 50 X 190
12	931521	2	• BEARING, Inner
13	920767	1	• BEARING, Spherical
14	920273	2	• PLATE, Shim
15	920274	2	• PLATE, Shim
16	926177	4	• PLATE, Shim
17	926942	4	• PLATE, Shim
18	927040	4	• PLATE, Shim
19	190873	2	• PLATE, Spacer 10 gauge
20	190215	2	• PLATE, Spacer 1/4"
21	930195	2	• PLATE, Shim
22	191186	1	• CHAIN, Retract BL666
23	191228	1	• PIN, Anchor BL666
24	191117	1	• ANCHOR, Chain BL666
25	933615	2	• PIN, Cotter
26	933268	2	• RING, Retainer
27	190227	1	• PIN, 3/4" DIA X 2.25" long
28	930127	1	• PIN, Anchor 3/8"
29	190205	1	• ANCHOR, Chain stepped 866
30	190204	1	• PLATE, Anchor mount
31	190206	1	• COVER, Fly boom
32	199762	2	• CLAMP
33	932673	2	• PLATE, Cover
34	923135	1	• PIN, Lynch 7/16" DIA X 1-3/4" long
35	923134	1	• PIN, Quick attach
36	240839	1	• HOOK, Rigging WLL 5T
37	103865	2	• BOLT, Hex head 5/16"-18 X 2" grade 5
38	132565	1	• CAP, Grease GC5 (Not Shown)
39	125741	4	• BOLT, Hex head 3/8"-16 X 7/8" grade 8
40	103996	2	• WASHER, Flat 5/16"

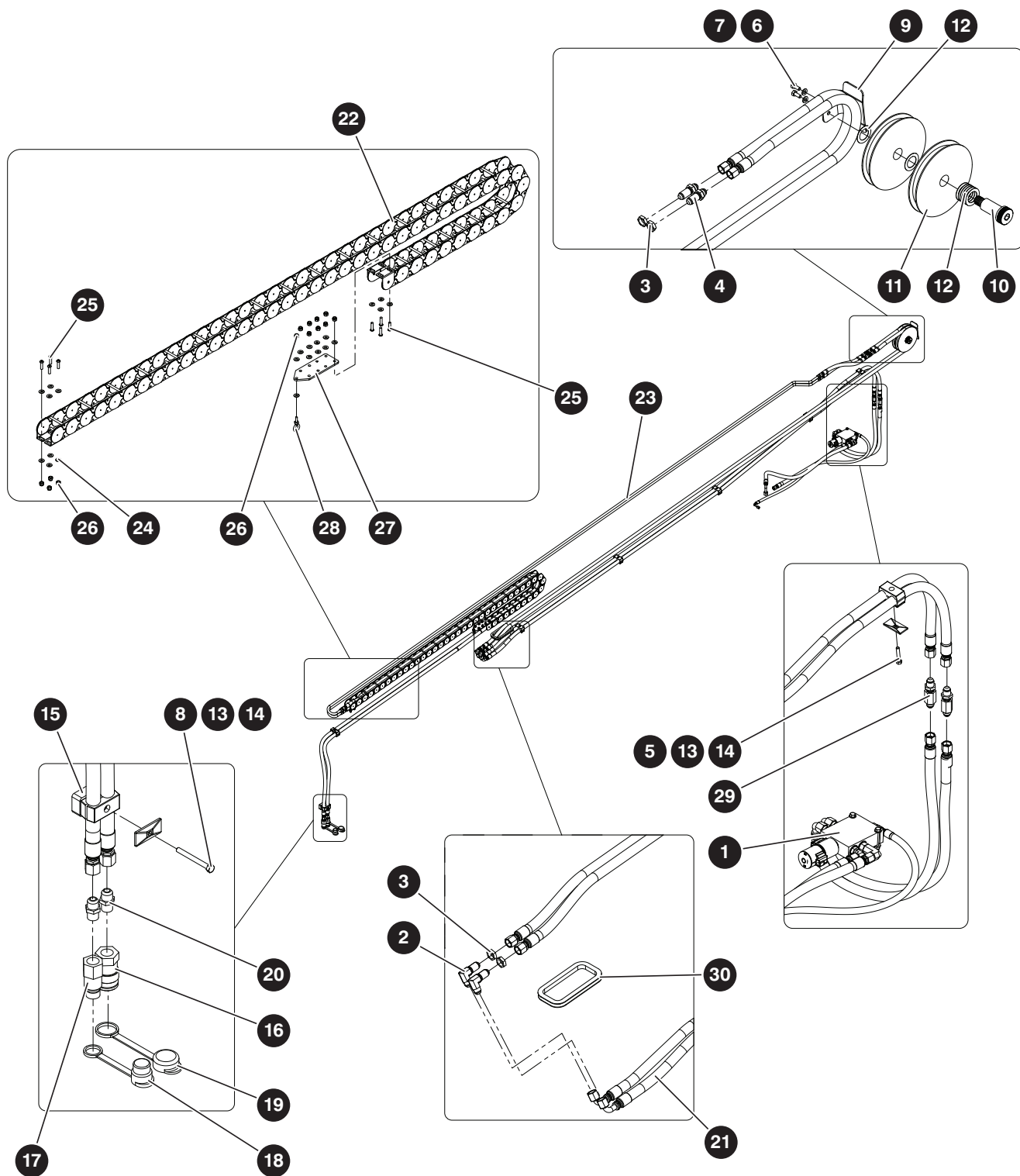


M190912AC

7.8 Cable Carrier Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	190912	1	ASSEMBLY, CABLE CARRIER
1	190915	3	• WEAR PAD, 3 X 2 X 1/2
2	154242	2	• NUT, Bulkhead - 08JIC
3	190302	2	• FITTING, Bulkhead straight (08 JICM - 08 JICM)
4	125959	10	• WASHER, Flat 3/8" SAE hard
5	103995	36	• WASHER, 5/16" ID X 3/4" OD X 1/16" zinc
6	104606	10	• NUT, Lock with nylon insert 3/8"-16 grade 5
7	115649	23	• NUT, Lock with nylon insert 1/4"-20 grade 5
8	127393	4	• BOLT, Carriage 3/8"-16 x 1-1/4" grade 5
9	702911	14	• BOLT, Button head cap 1/4"-20 X 1"
10	198850	4	• BOLT, Hex head 1/4"-20 X 5-1/4" grade 5
11	191271	1	• ASSEMBLY, Cable track
12	190924	2	• TUBE, PRESSURE 5/8" OD X .095" wall
13	191364	1	• PLATE, Front
14	191335	1	• BRACKET, E-chain guide
15	191336	1	• BRACKET, Top guide
16	190934	4	• CLAMP, Hose carrier
17	191363	1	• WELDMENT, Track
18	162168	1	• BOLT, Eye 1/4"-20 x 1" zinc
19	190585	1	• PLATE, Echain Mount

7.9 Auxiliary Hydraulics Installation SJ1056 TH/THS



M191863AD

7.9 Auxiliary Hydraulics Installation SJ1056 TH/THS

Index No.	Skyjack Part No.	Qty.	Description
-	191863	1	ASSEMBLY, AUXILIARY CONTROL GROUP
1	(Ref).	1	• MANIFOLD, Auxiliary subgroup (For components, refer to Section 9.15)
2	154241	2	• FITTING, 90° Bulkhead (08 JICM - 08 JICM)
3	154242	4	• NUT, Bulkhead (08 JIC)
4	190302	2	• FITTING, Bulkhead straight (08 JICM - 08 JICM)
5	103885	6	• BOLT, Hex head 5/16"-18 x 1-3/4" grade 5
6	103996	2	• WASHER, Flat 5/16" SAE
7	103887	2	• BOLT, Hex head 5/16" - 18 x 3/4" grade 5
8	103868	1	• BOLT, Hex head 5/16" - 18 x 3-1/2" grade 5
9	191127	1	• BRACKET, Sheave guard
10	191097	1	• BOLT, Shoulder 1-1/4" DIA x 2-1/2" long
11	191115	2	• SHEAVE, Hose
12	412663	8	• THRUST, Washer
13	199762	7	• CLAMP, Twin #08
14	932673	7	• PLATE, Cover 3D
15	191605	1	• PLATE, Hose stand off
16	206134	1	• COUPLING, Quick disconnect (flat-faced)
17	206135	1	• COUPLING, Nipple, quick disconnect
18	926080	1	• CAP, Dust, quick connect (nipple)
19	926079	1	• CAP, Dust, quick connect (coupler)
20	102659	2	• PIPE, Extension 37° FLARE
21	(Ref).	1	• HOSE SUBGROUP, Auxiliary hydraulics 1056 (For components, refer to Section 9.19)
22	191271	1	• ASSEMBLY, Cable track
23	190924	2	• TUBE, Pressure 5/8" od x .095 wall
24	103995	21	• WASHER, Flat 1/4" SAE
25	702911	8	• BOLT, Button Head Cap Screw 1/4"- 20 x 1
26	115649	13	• NUT, Lock with nylon insert 1/4" - 20 grade 5
27	190585	1	• PLATE, Echain mount
28	162168	1	• BOLT, Eye 1/4" - 20 x 1" zinc
29	197686	2	• FITTING, Bulkhead straight (08 JIC - 08 JIC) Long
30	119922	16	• PROTECTIVE TRIM 1/4" - 1/2"

 **Notes**

Section 8 – Cylinders

8.1 *Extend Cylinder - SJ1044 TH*

8.2 *Extend Cylinder - SJ1056 TH*

8.3 *Lift Cylinder*

8.4 *Fork Tilt Cylinder*

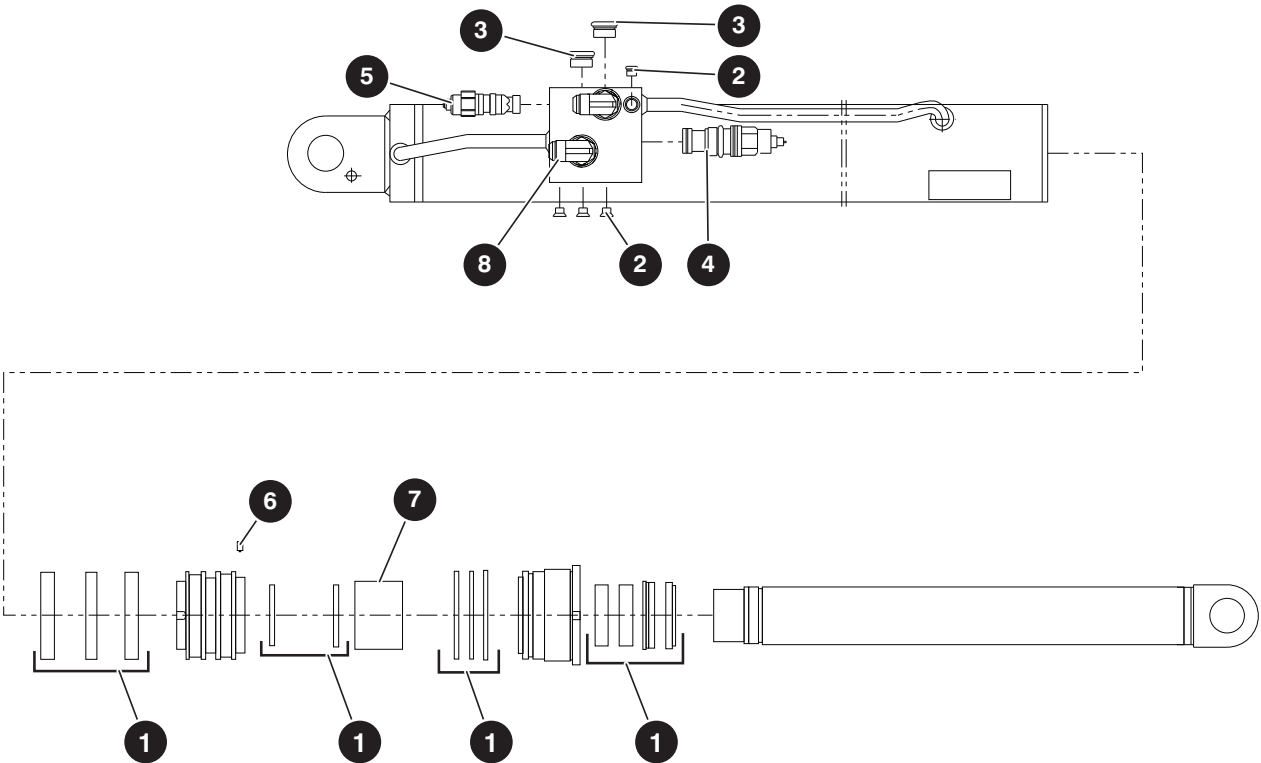
8.5 *Tilt Comp Cylinder*

8.6 *Frame Level Cylinder*

8.7 *RAS Cylinder*

8.8 *Outriggers Cylinder*

8.1 Extend Cylinder - SJ1044 TH

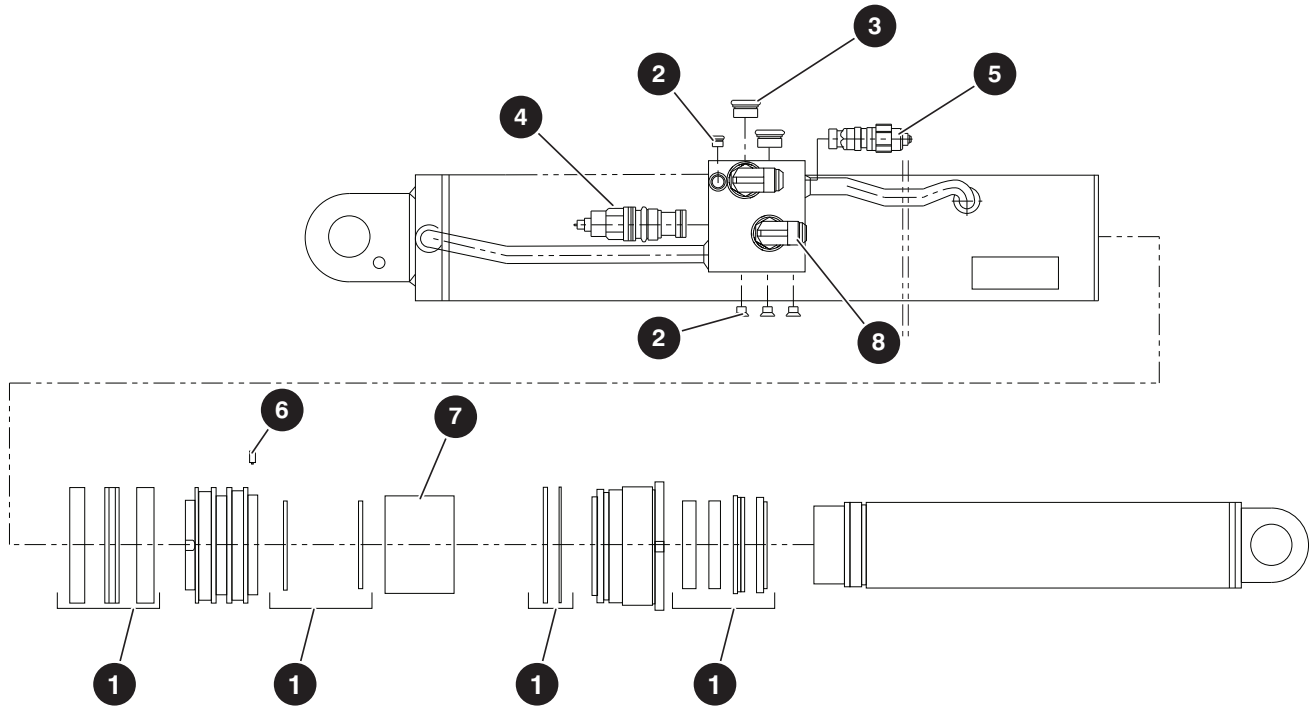


M190045AF

190216

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order cylinder A. For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.
A	255581	1	EXTEND CYLINDER 115B
B	190045	1	EXTEND CYLINDER 115B
1	255667	1	• SEAL KIT, Extend Cylinder, A
	197103	1	• SEAL KIT, Extend Cylinder, B
2	197035	4	• PLUG, B
3	197036	2	• PLUG, B
4	257108	1	• VALVE, Counterbalance - 4000 PSI, A
	199473	1	• VALVE, Counterbalance - 3900 PSI, B
5	191814	1	• VALVE, Counterbalance - 4000 PSI, A, B
6	197039	1	• SET SCREW, B
7	197034	1	• SPACER, B
8	105445	2	FITTING, 90° (12JICM - 12ORBM)

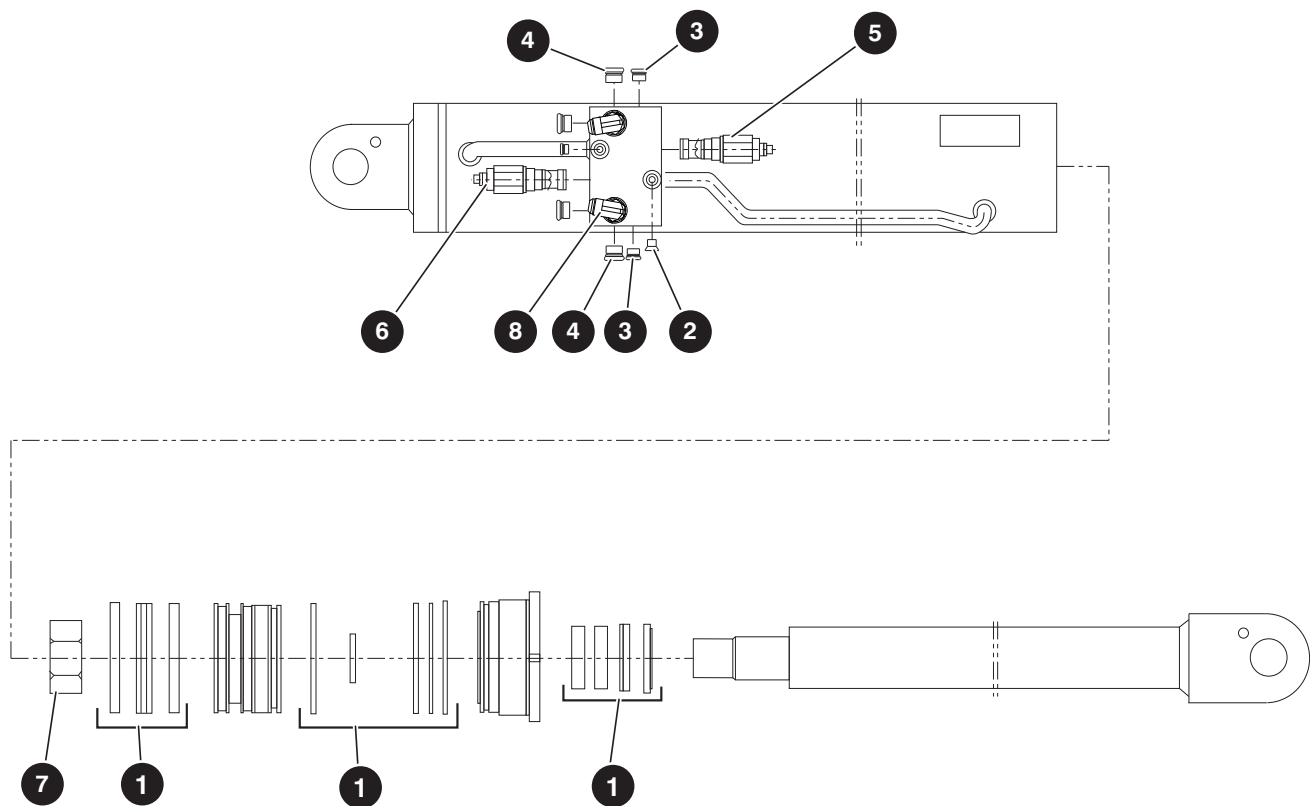
8.2 Extend Cylinder - SJ1056 TH



M190044AE

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order cylinder A. For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.
A	255580	1	EXTEND CYLINDER 130B
B	190044	1	EXTEND CYLINDER 130B
1	255666	1	• SEAL KIT, Extend Cylinder, A
	197102	1	• SEAL KIT, Extend Cylinder, B
2	197035	4	• PLUG, B
3	197036	2	• PLUG, B
4	257108	1	• VALVE, Counterbalance 4000 PSI, A
	191813	1	• VALVE, Counterbalance 4000 PSI, B
5	191814	1	• VALVE, Counterbalance 4000 PSI, A, B
6	197039	1	• SET SCREW, B
7	197207	1	• SPACER, B
8	105445	2	FITTING, 90° (12 JICM - 12 ORBM)

8.3 Lift Cylinder

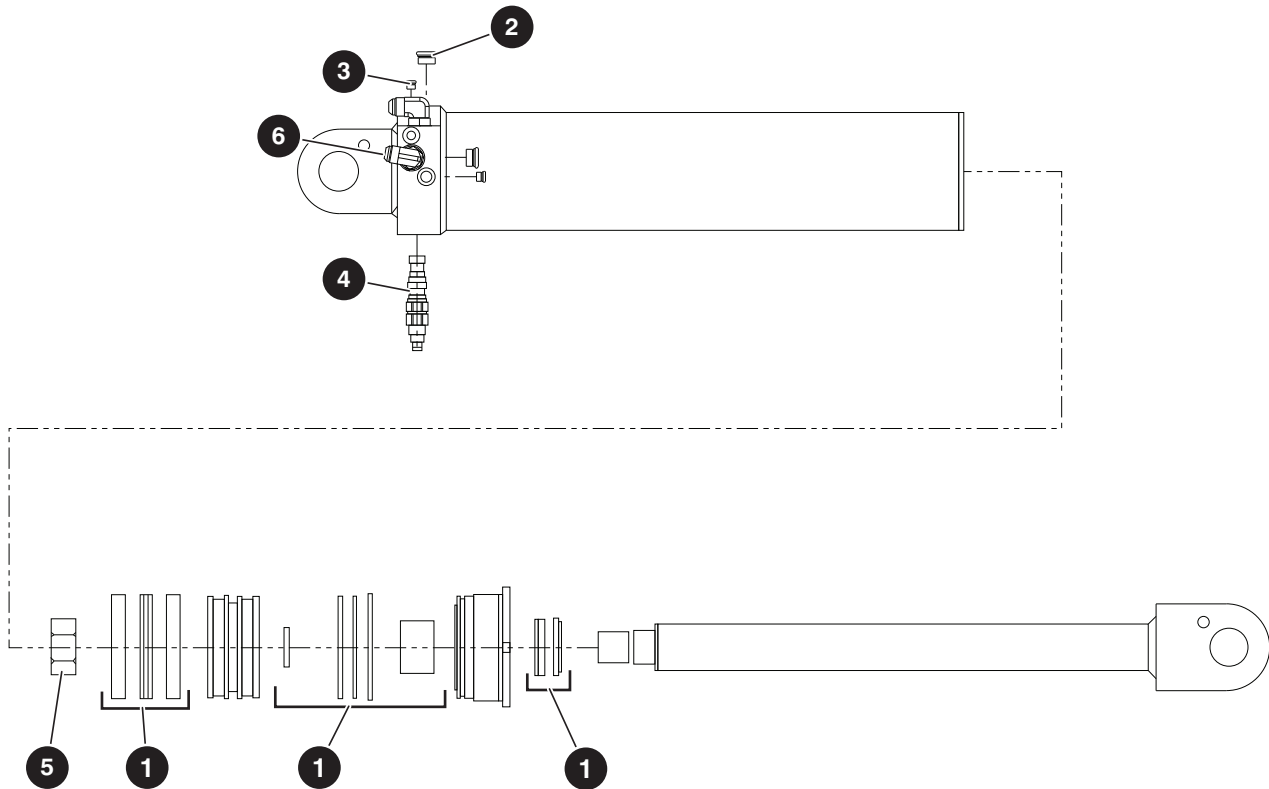


M190038AE

190512

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order cylinder A. For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.
A	255577	1	LIFT CYLINDER 150B
B	190038	1	LIFT CYLINDER 150B
1	255663	1	• SEAL KIT, Lift Cylinder, A
	197096	1	• SEAL KIT, Lift Cylinder, B
2	197035	2	• PLUG, B
3	197054	2	• PLUG, B
4	197055	4	• PLUG, B
5	257103	1	• COUNTER BALANCE 4200 PSI, A
	199472	1	• COUNTER BALANCE 4200 PSI, B
6	256736	1	• COUNTER BALANCE 1800 PSI, A
	191812	1	• COUNTER BALANCE 1800 PSI, B
7	197193	1	• LOCK NUT, B
8	114583	2	FITTING, 90° (08JICM - 08ORBM)

8.4 Fork Tilt Cylinder

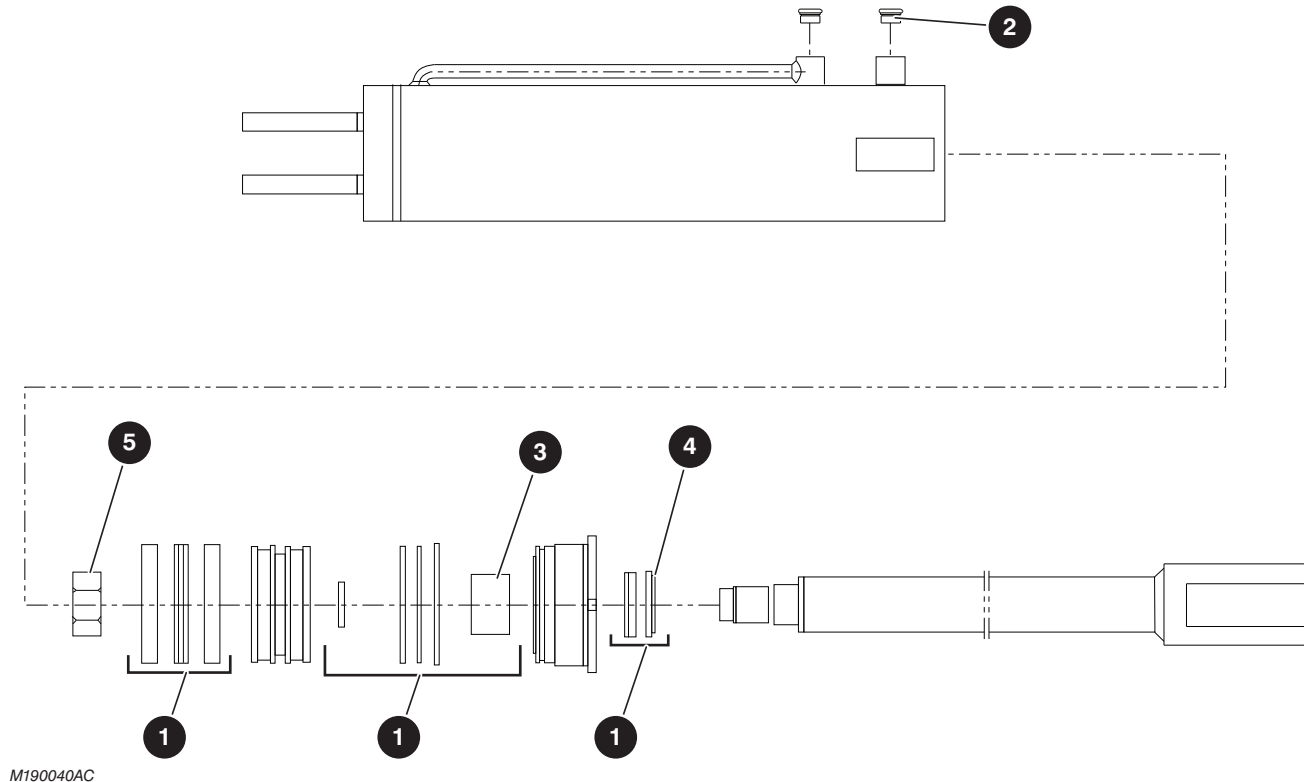


M190043AC

190511

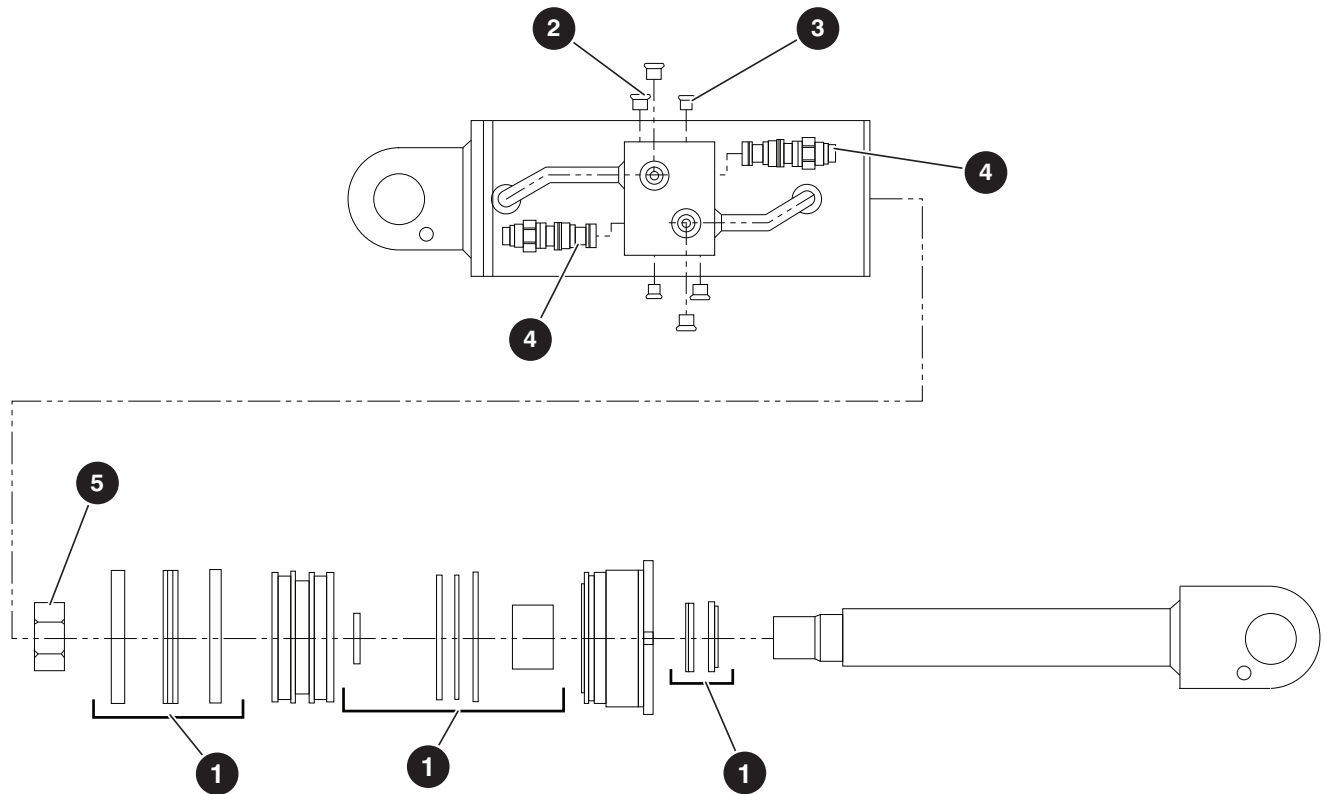
Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order cylinder A. For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.
A	255579	1	FORK TILT CYLINDER 120B
B	190043	1	FORK TILT CYLINDER 120B
1	255665	1	• SEAL KIT, Fork Tilt Cylinder, A
	197101	1	• SEAL KIT, Fork Tilt Cylinder, B
2	197055	2	• PLUG, B
3	197035	2	• PLUG, B
4	191815	1	• VALVE, Counterbalance - 6000 PSI, A, B
5	197072	1	• NUT, Lock, B
6	114583	2	FITTING, 90° (08JICM - 08ORBM)

8.5 Tilt Comp Cylinder



Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order the cylinder that matches the serial number of the machine. Order cylinder A for S/N 87210168/87312009 & above, or cylinder C for S/N 87210167/87312008 & below. For service parts, order the parts that match the existing cylinder (A, B, or C). Look for the cylinder part number stamped near the base of the barrel.
A	255585	1	TILT COMP CYLINDER
B	235240	1	TILT COMP CYLINDER
C	190040	1	TILT COMP CYLINDER
1	255671	1	• SEAL KIT, Tilt Comp Cylinder, A
	197098	1	• SEAL KIT, Tilt Comp Cylinder, B
	235188	1	• SEAL KIT, Tilt Comp Cylinder, C
2	197055	2	• PLUG, B
3	235182	1	• SPACER, B
4	235184	1	• RETAINING RING, B
5	197072	1	• NUT, Lock, B
6	114583	2	FITTING, 90° (not shown), C

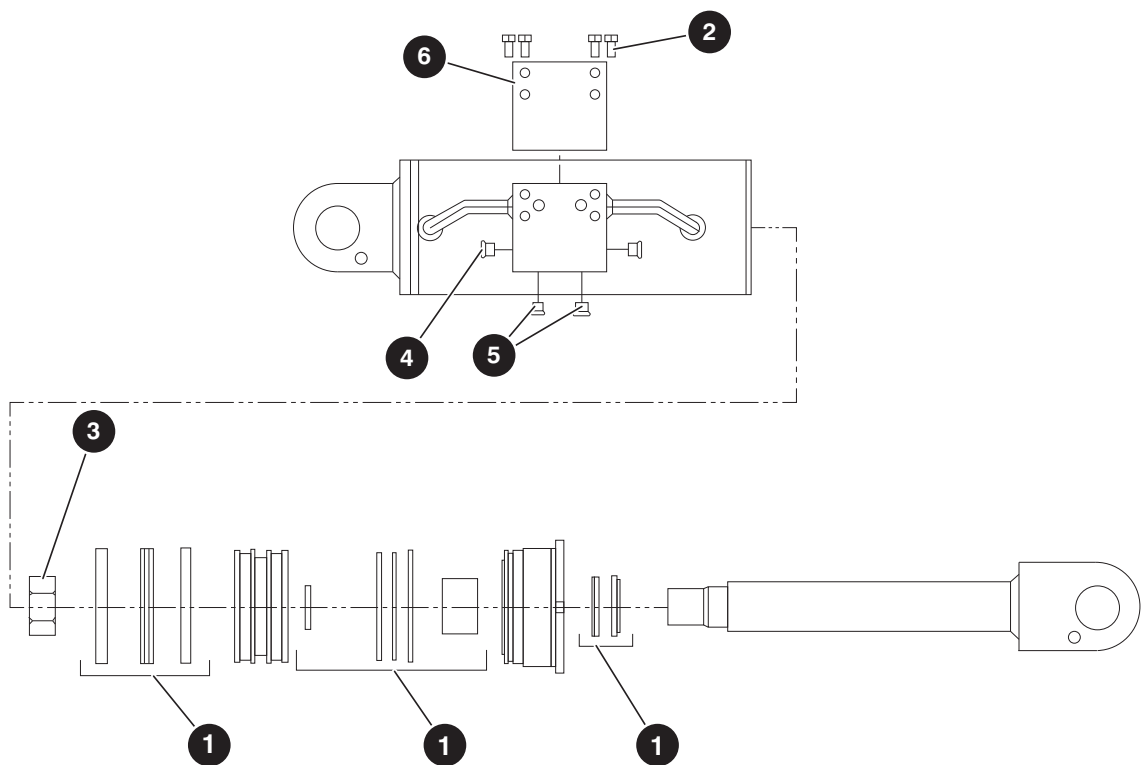
8.6 Frame Level Cylinder



M191831AB

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order cylinder A. For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.
A	255583	1	FRAME LEVEL CYLINDER
B	191831	1	FRAME LEVEL CYLINDER
1	255669	1	• SEAL KIT, Frame Level Cylinder, A
	197099	1	• SEAL KIT, Frame Level Cylinder, B
2	197054	4	• PLUG, B
3	197035	2	• PLUG, B
4	191816	2	• VALVE, Counterbalance - 3700 PSI, A, B
5	197072	1	• NUT, Lock, B

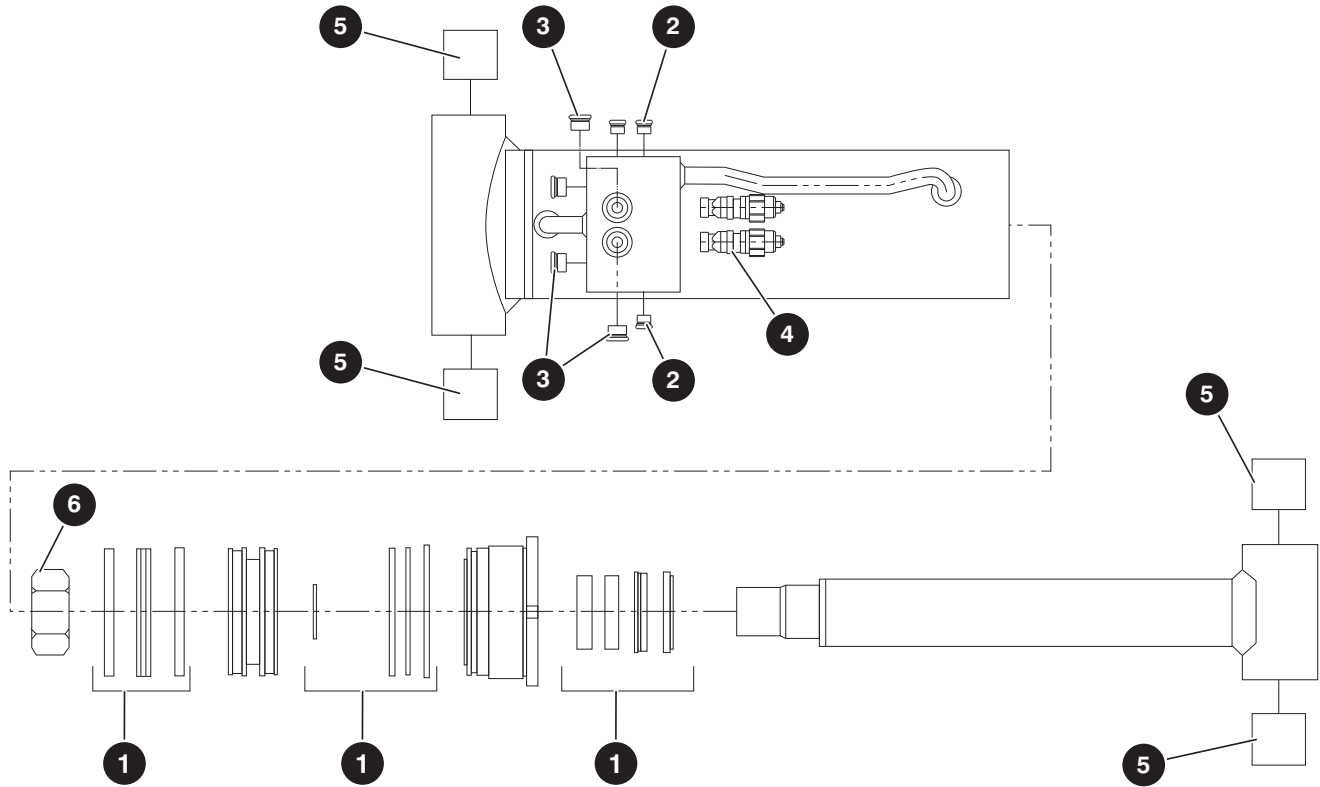
8.7 RAS Cylinder



M191832AB

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order cylinder A . For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.
A	255584	1	RAS CYLINDER
B	191832	1	RAS CYLINDER
1	255670	1	• SEAL KIT, RAS Cylinder, A
	197100	1	• SEAL KIT, RAS Cylinder, B
2	197215	4	• BOLT, B
3	197072	1	• NUT, Lock, B
4	197054	2	• PLUG, B
5	197035	2	• PLUG, B
6	197214	1	• DUST COVER, B

8.8 Outriggers Cylinder



M191123AC

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Note: For a complete new cylinder, order cylinder A. For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.
A	255582	1	OUTRIGGERS CYLINDER
B	191123	1	OUTRIGGERS CYLINDER
1	255668	1	• SEAL KIT, Outriggers Cylinder, A
	197104	1	• SEAL KIT, Outriggers Cylinder, B
2	197054	3	• PLUG, B
3	197055	4	• PLUG, B
4	236647	2	• COUNTER BALANCE 4000 PSI, A
	191816	2	• COUNTER BALANCE 3000 PSI, B
5	197220	4	• MRP BEARING, B
6	197053	1	• NUT, Lock, B

 **Notes**

Section 9 – Hydraulics

9.1

Standard Hose Numbering System

9.2

Main Manifold Installation

9.3

Main Manifold Assembly

9.4

Manifold Assembly

9.5

Hydraulic Return Filter Assembly

9.6

Pressure Filter

9.7

Boom and Telescopic Hydraulic Hose Connections

9.8

Carriage Hydraulic Hoses SJ1044 TH

9.10

Carriage Hydraulic Hoses SJ1056 TH

9.11

Carriage Hydraulic Hoses SJ1056 TH - Dual tilt

9.12

Frame Level Hydraulic Hose Connections

9.13

Brakes and Steering Hydraulic Hose Connections

9.14

Hydraulic Pump Hoses

9.15

Hydraulic Pump Hoses with Pressure Filter

9.16

Cab Hydraulic Hose Connections

9.17

RAS Hydraulic Hose Connections

9.18

Auxiliary Hydraulic Hose Connections SJ1044 TH

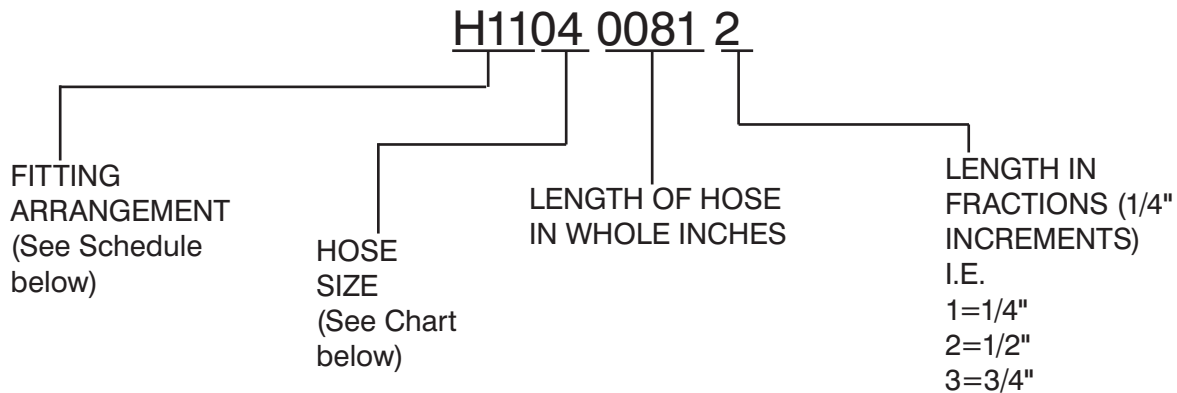
9.19

Auxiliary Hydraulic Hose Connections SJ1056 TH

9.20

Auxiliary Manifold Assembly

9.1 Standard Hose Numbering System



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



NOTE

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

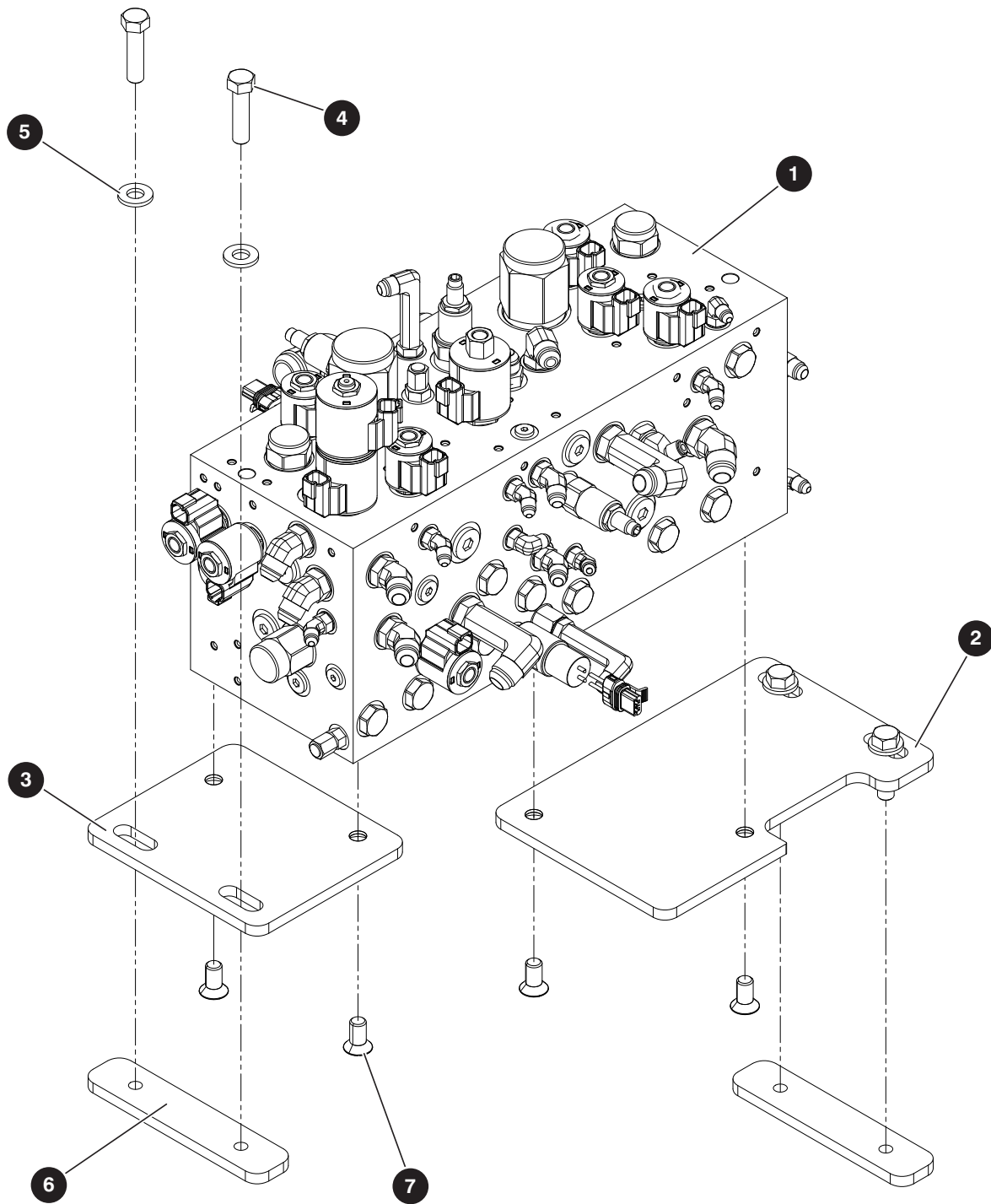
Hose Size Chart														
Size	03	04	06	08	10	12	16	20	24	32	40	48	56	64
ID	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"

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

9.1 Standard Hose Numbering System

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

9.2 Main Manifold Installation

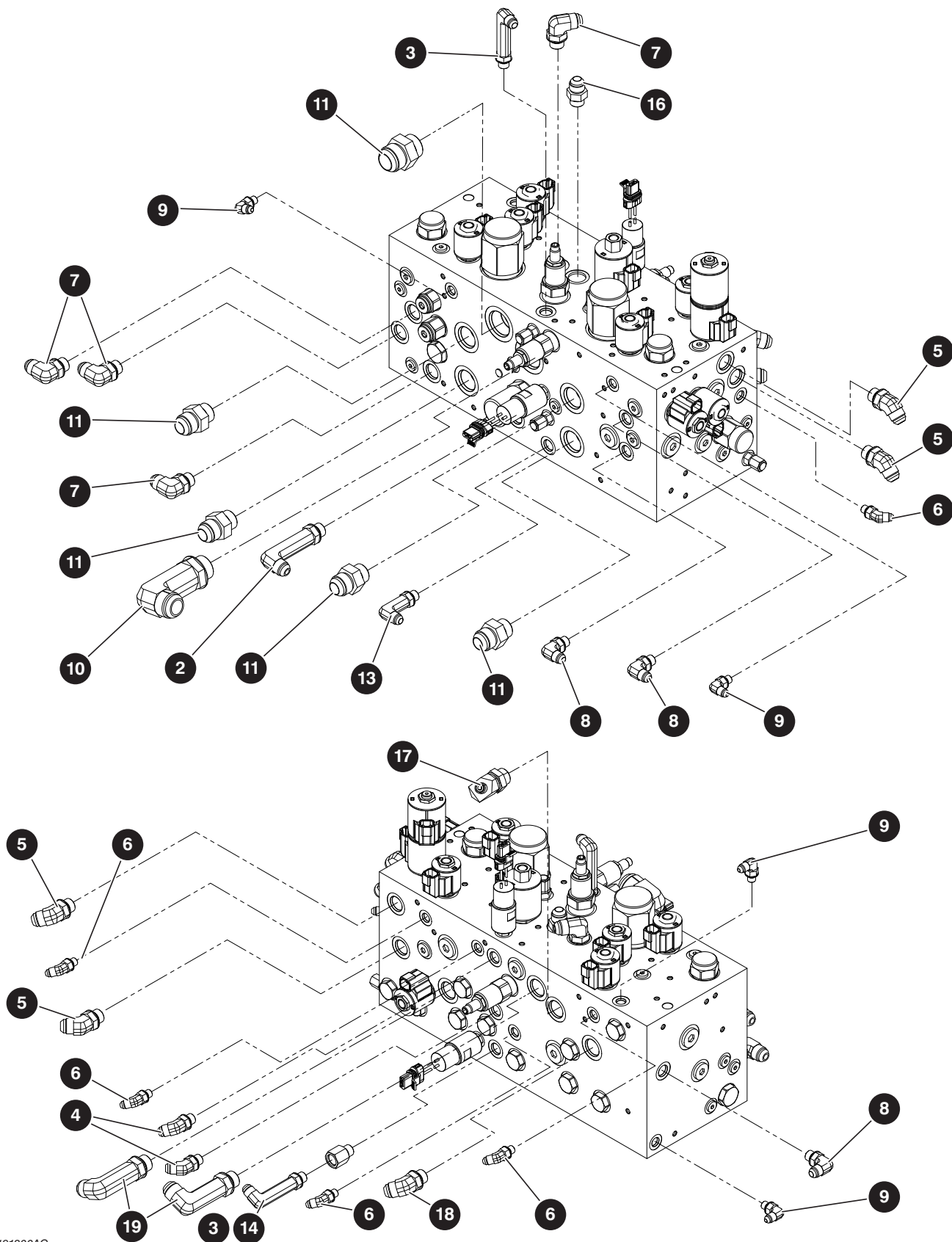


M191087AE

9.2 Main Manifold Installation

Index No.	Skyjack Part No.	Qty.	Description
-	191087	1	ASSEMBLY, MANIFOLD SUBGROUP
1	(Ref).	1	ASSEMBLY, Manifold TH 1044/1056 <i>(For components, refer to Section 9.3)</i>
2	191818	1	PLATE, Manifold rear
3	191817	1	PLATE, Manifold front
4	103904	4	BOLT, Hex head 1/2"-13 X 2" Grade 5
5	104379	4	WASHER, Flat 1/2" SAE Hard
6	190692	2	PLATE, Manifold clamp
7	190298	4	SCREW, Flat head cap 1/2"-13x1"

9.3 Main Manifold Assembly

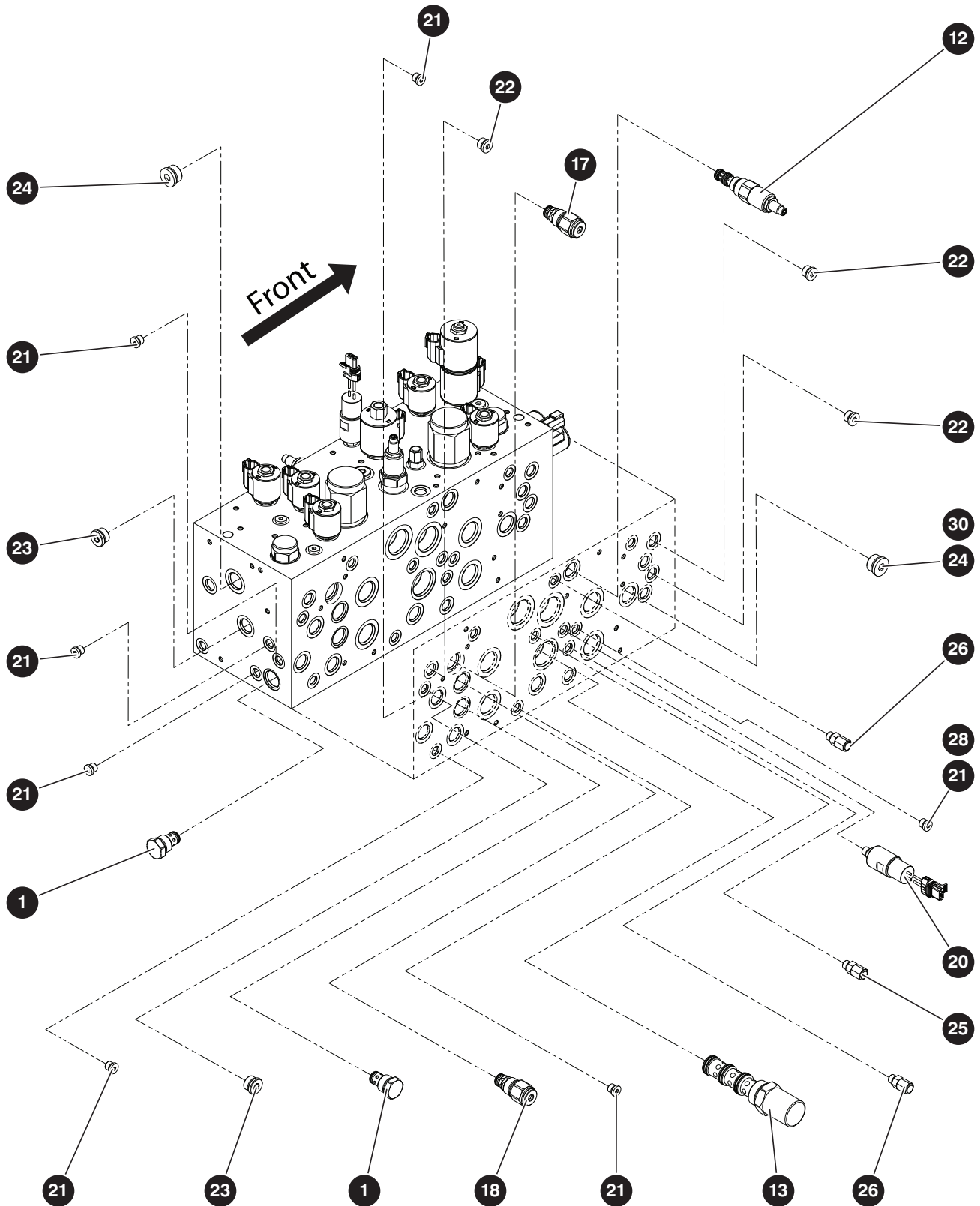


M191300AG

9.3 Main Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	191300	-	MAIN MANIFOLD ASSEMBLY
1	(Ref).	1	MANIFOLD, Main TH 10K <i>(For components, refer to Section 9.4)</i>
2	150943	1	FITTING, 90° LLL (08JICM-08ORBM)
3	147536	2	FITTING, 90 ° LLL (06JICM-06ORBM)
4	114580	2	FITTING, 45° (06 JICM - 06 ORBM)
5	139739	4	FITTING, 45° (08 JICM - 08 ORBM)
6	131716	5	FITTING, 45° (04 JICM - 04 ORBM)
7	114583	4	FITTING, 90° (08 JICM - 08 ORBM)
8	114578	3	FITTING, 90° (06 JICM - 06 ORBM)
9	125883	5	FITTING, 90° (04 JICM - 04 ORBM)
10	191599	1	FITTING, 90° LL (16 JICM - 16 ORBM)
11	702118	4	FITTING, (12 ORBM - 12 JICM)
12	138667	1	FITTING, (16 ORBM - 16 JICM)
13	162071	1	FITTING, 90° (06 JICM - 06 ORBM) - XL
14	196193	1	FITTING, Straight (06 ORBM - 06 ORBF)
15	126128	1	FITTING, (04 SAE - 04 JIC)
16	102659	1	FITTING, Straight (08 JICM - 08 ORBM)
17	209325	1	FITTING, 90° large (06 JICM - 06 ORBM)
18	149215	1	FITTING, 45° (10 JICM - 10 ORBM)
19	191857	2	FITTING, 90° LL (10 JICM - 10 ORBM)

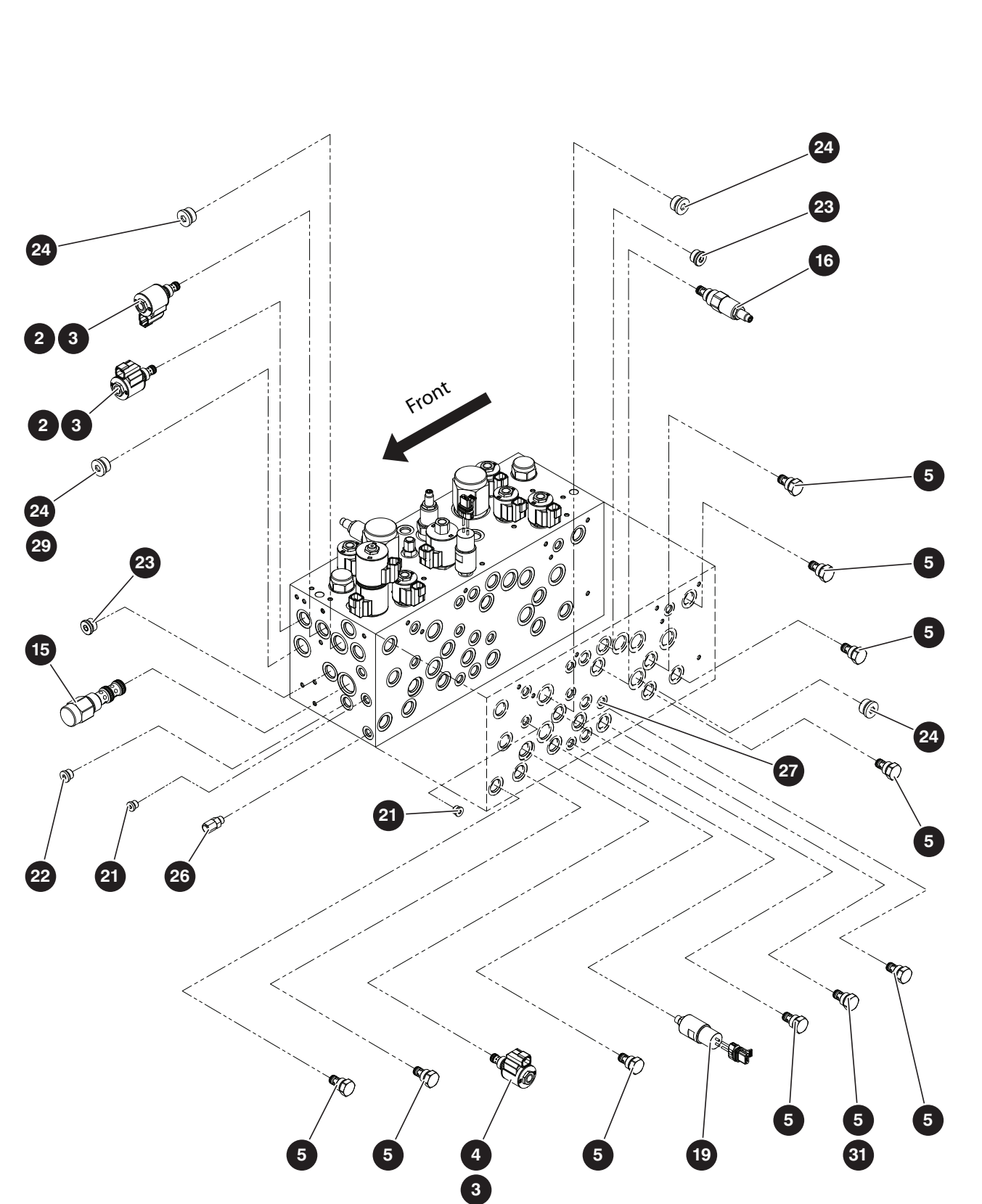
9.4 Manifold Assembly



M169031AH

9.4 Manifold Assembly

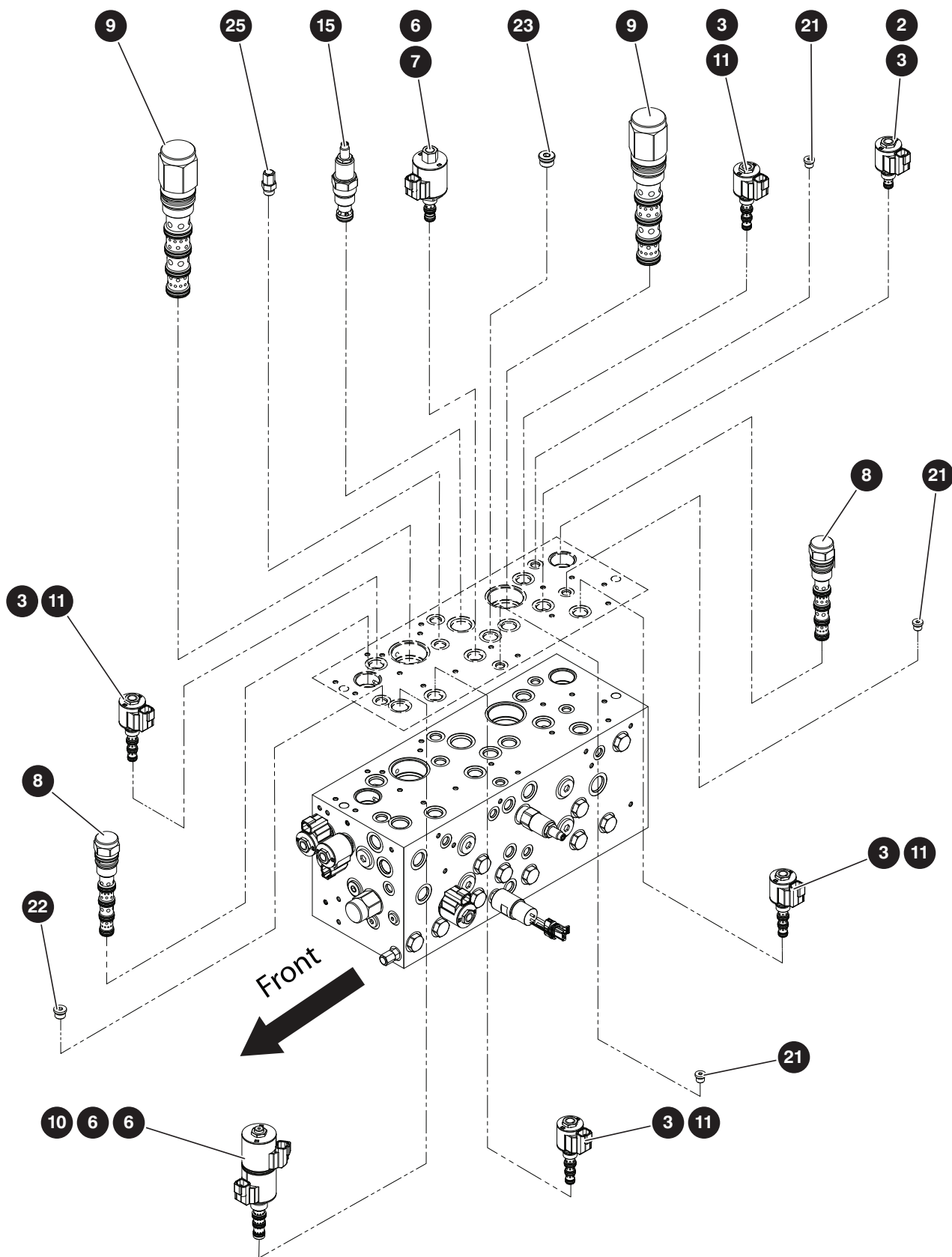
Index No.	Skyjack Part No.	Qty.	Description
-	169031	1	ASSEMBLY, MANIFOLD 10K
1	191805	2	• VALVE, Check
2	102626	3	• VALVE, Solenoid cartridges
3	159821	8	• COIL, #8
4	166038	1	• VALVE, Solenoid cartridges
5	166066	10	• VALVE, Check
-	240124	1	• • KIT, Seal (not shown)
6	168057	3	• COIL, #10
7	171796	1	• VALVE, Solenoid cartridge
8	191793	2	• VALVE, Proportional-pilot operated
9	191794	2	• VALVE, Proportional-pilot operated
10	191795	1	• VALVE, Solenoid 4 way / 3 position
11	191796	4	• VALVE, Solenoid 4 way / 2 position
12	191798	1	• VALVE, Pressure reducing/relieving
13	191799	1	• VALVE, Pressure compensator & p.o.d
14	191801	1	• VALVE, Piloted 2w N.O.
15	191802	1	• VALVE, Relief
16	238579	1	• VALVE, Relief
17	221887	1	• VALVE, Relief anti-cavitation
18	191804	1	• VALVE, Relief anti-cavitation
19	191810	1	• SWITCH, Pressure 450 psi
20	191800	1	• SWITCH, Pressure 350 psi
21	121205	12	• PLUG, Fitting (04 ORB hex socket)
22	104437	5	• PLUG, Fitting (06 ORB hex socket)
23	702796	5	• PLUG, Fitting (08 ORB hex socket)
24	137629	6	• PLUG, Fitting (10 ORB hex socket)
25	701956	1	• FITTING, (#6 Straight ORBM to #4 JICM)
26	126128	4	• FITTING, (#4 Straight ORBM to JICM)
27	191807	1	• PLUG, Orifice 0.019"
28	191808	1	• PLUG, Orifice 0.089"
29	191809	1	• PLUG, Orifice 0.063"
30	199033	1	• PLUG, Orifice 0.033"
31	199032	1	• PLUG, Orifice 0.052"



9.4 Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	169031	1	ASSEMBLY, MANIFOLD 10K
1	191805	2	• VALVE, Check
2	102626	3	• VALVE, Solenoid cartridges
3	159821	8	• COIL, #8
4	166038	1	• VALVE, Solenoid cartridges
5	166066	10	• VALVE, Check
-	240124	1	• • KIT, Seal (not shown)
6	168057	3	• COIL, #10
7	171796	1	• VALVE, Solenoid cartridge
8	191793	2	• VALVE, Proportional-pilot operated
9	191794	2	• VALVE, Proportional-pilot operated
10	191795	1	• VALVE, Solenoid 4 way / 3 position
11	191796	4	• VALVE, Solenoid 4 way / 2 position
12	191798	1	• VALVE, Pressure reducing/relieving
13	191799	1	• VALVE, Pressure compensator & p.o.d
14	191801	1	• VALVE, Piloted 2w N.O.
15	191802	1	• VALVE, Relief
16	238579	1	• VALVE, Relief
17	221887	1	• VALVE, Relief anti-cavitation
18	191804	1	• VALVE, Relief anti-cavitation
19	191810	1	• SWITCH, Pressure 450 psi
20	191800	1	• SWITCH, Pressure 350 psi
21	121205	12	• PLUG, Fitting (04 ORB hex socket)
22	104437	5	• PLUG, Fitting (06 ORB hex socket)
23	702796	5	• PLUG, Fitting (08 ORB hex socket)
24	137629	6	• PLUG, Fitting (10 ORB hex socket)
25	701956	1	• FITTING, (#6 Straight ORBM to #4 JICM)
26	126128	4	• FITTING, (#4 Straight ORBM to JICM)
27	191807	1	• PLUG, Orifice 0.019"
28	191808	1	• PLUG, Orifice 0.089"
29	191809	1	• PLUG, Orifice 0.063"
30	199033	1	• PLUG, Orifice 0.033"
31	199032	1	• PLUG, Orifice 0.052"

9.4 Manifold Assembly

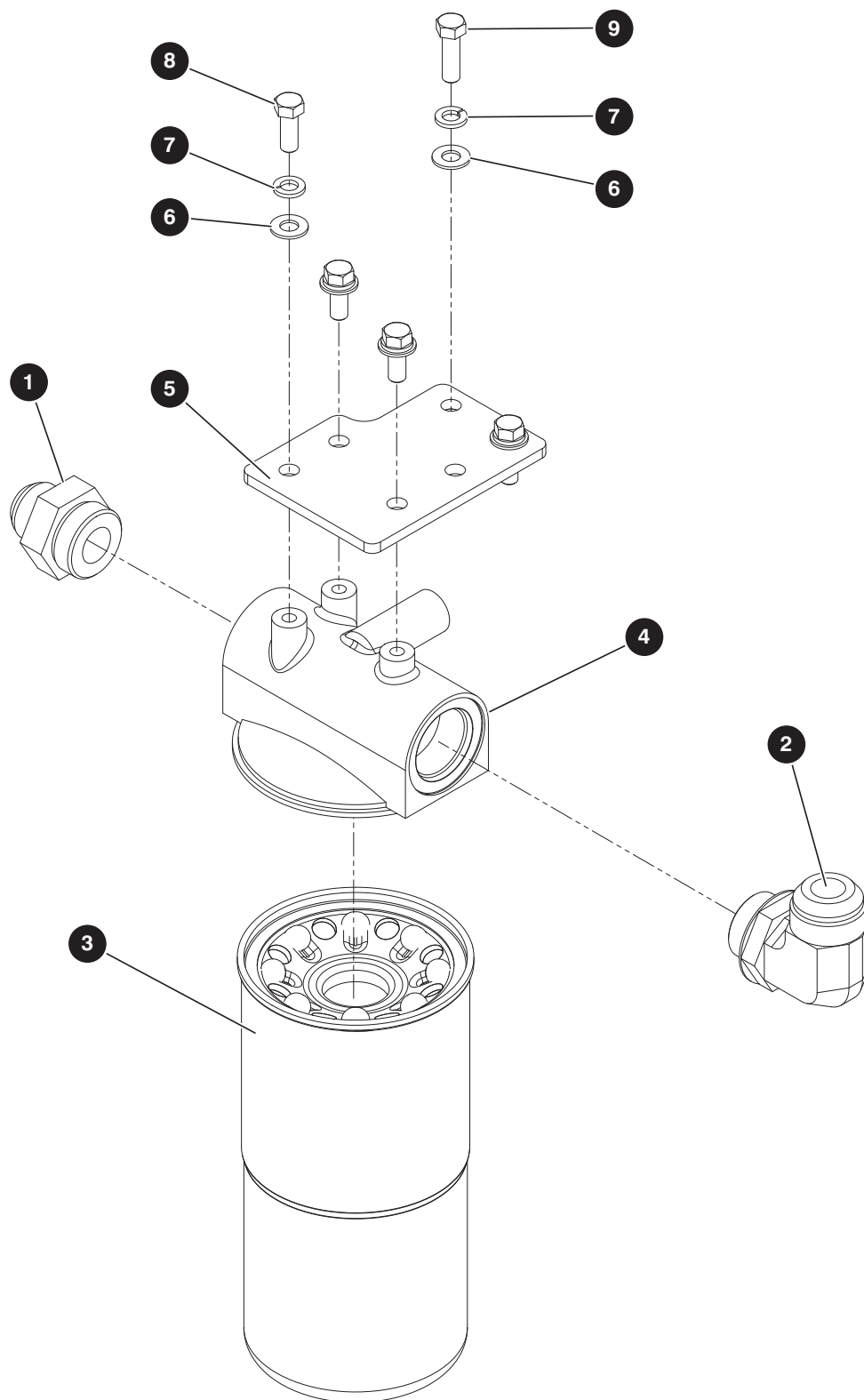


M169031AH-3

9.4 Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	169031	1	ASSEMBLY, MANIFOLD 10K
1	191805	2	• VALVE, Check
2	102626	3	• VALVE, Solenoid cartridges
3	159821	8	• COIL, #8
4	166038	1	• VALVE, Solenoid cartridges
5	166066	10	• VALVE, Check
6	168057	3	• COIL, #10
7	171796	1	• VALVE, Solenoid cartridge
8	191793	2	• VALVE, Proportional-pilot operated
9	191794	2	• VALVE, Proportional-pilot operated
10	191795	1	• VALVE, Solenoid 4 way / 3 position
11	191796	4	• VALVE, Solenoid 4 way / 2 position
12	191798	1	• VALVE, Pressure reducing/relieving
13	191799	1	• VALVE, Pressure compensator & p.o.d
14	191801	1	• VALVE, Piloted 2w N.O.
15	191802	1	• VALVE, Relief
16	238579	1	• VALVE, Relief
17	221887	1	• VALVE, Relief anti-cavitation
18	191804	1	• VALVE, Relief anti-cavitation
19	191810	1	• SWITCH, Pressure 450 psi
20	191800	1	• SWITCH, Pressure 350 psi
21	121205	12	• PLUG, Fitting (04 ORB hex socket)
22	104437	5	• PLUG, Fitting (06 ORB hex socket)
23	702796	5	• PLUG, Fitting (08 ORB hex socket)
24	137629	6	• PLUG, Fitting (10 ORB hex socket)
25	701956	1	• FITTING, (#6 Straight ORBM to #4 JICM)
26	126128	4	• FITTING, (#4 Straight ORBM to JICM)
27	191807	1	• PLUG, Orifice 0.019"
28	191808	1	• PLUG, Orifice 0.089"
29	191809	1	• PLUG, Orifice 0.063"
30	199033	1	• PLUG, Orifice 0.033"
31	199032	1	• PLUG, Orifice 0.052"

9.5 Hydraulic Return Filter Assembly

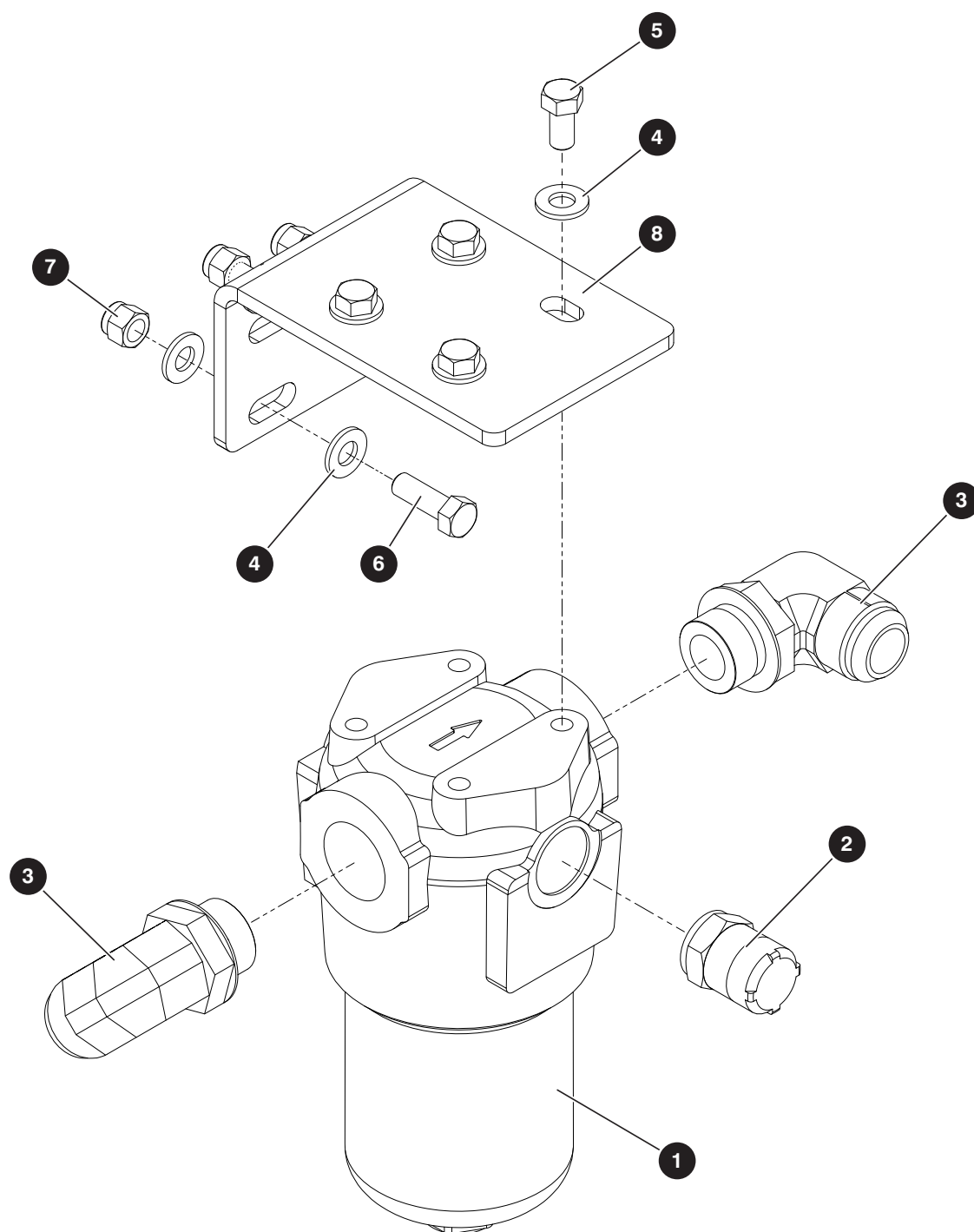


M191415AA

9.5 Hydraulic Return Filter Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	191415	1	ASSEMBLY, RETURN FILTER
1	190361	1	• FITTING, Straight (16 JICM - 20 ORBM)
2	406249	1	• FITTING, 90° (20 JICM - 20 ORBM)
3	157907	1	• ELEMENT, Filter (Hydraulic spin on)
4	157906	1	• ASSEMBLY, Head hydraulic return filter
5	190906	1	• PLATE, Hydraulic filter mount
6	103472	5	• WASHER, Flat 3/8" SAE
7	103999	5	• WASHER, Lock 3/8"
8	103473	3	• BOLT, Hex head cap 3/8"-16 X 1" grade 5
9	101297	2	• BOLT, Hex head cap 3/8"-16 X 1-1/4" grade 5

9.6 Pressure Filter

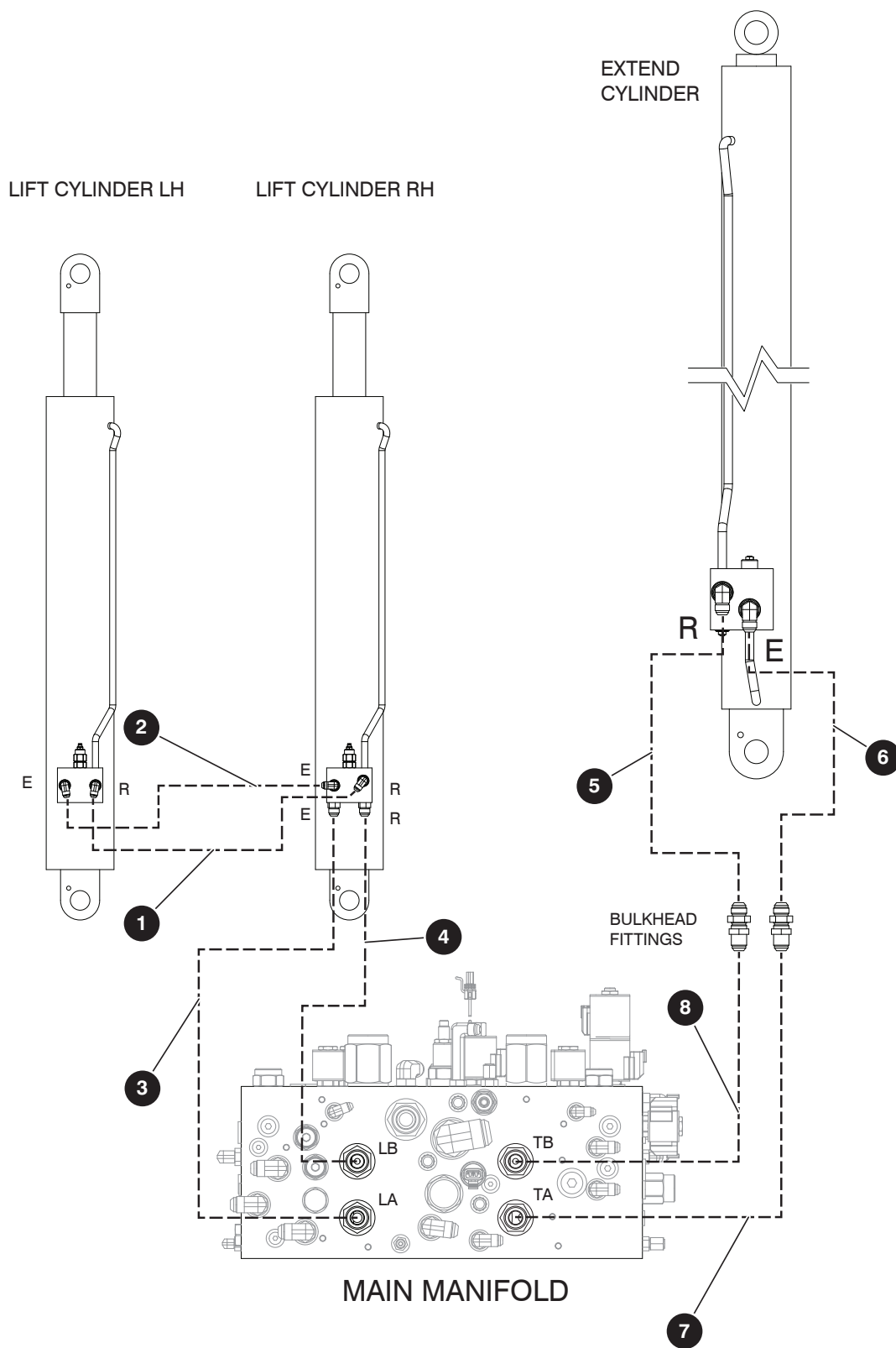


M233052AB

9.6 Pressure Filter

Index No.	Skyjack Part No.	Qty.	Description
-	233052	1	PRESSURE FILTER - <i>Serial number 87210170 / 87312029 & Above</i>
1	233048	1	• FILTER, 6000 PSI 10 MICRON
-	248141	1	• • ELEMENT, Replacement filter (not shown)
-	248638	1	• • SEAL KIT (not shown)
2	233050	1	• INDICATOR, 50 PSI
3	206141	2	• FTG, 90 DEG (16JICM-20ORBM)
4	125959	10	• WASHER FLAT 0.375 HARD
5	158488	4	• BOLT, HXHD 0.375-16 X 0.750 GR8
6	217909	3	• BOLT, HXHD 0.375-16 X 1.125 GR8
7	104606	3	• NUT, LOCK 0.375-16 GR5 - NYL
8	233038	1	• BRACKET, FILTER MOUNT

9.7 Boom and Telescopic Hydraulic Hose Connections

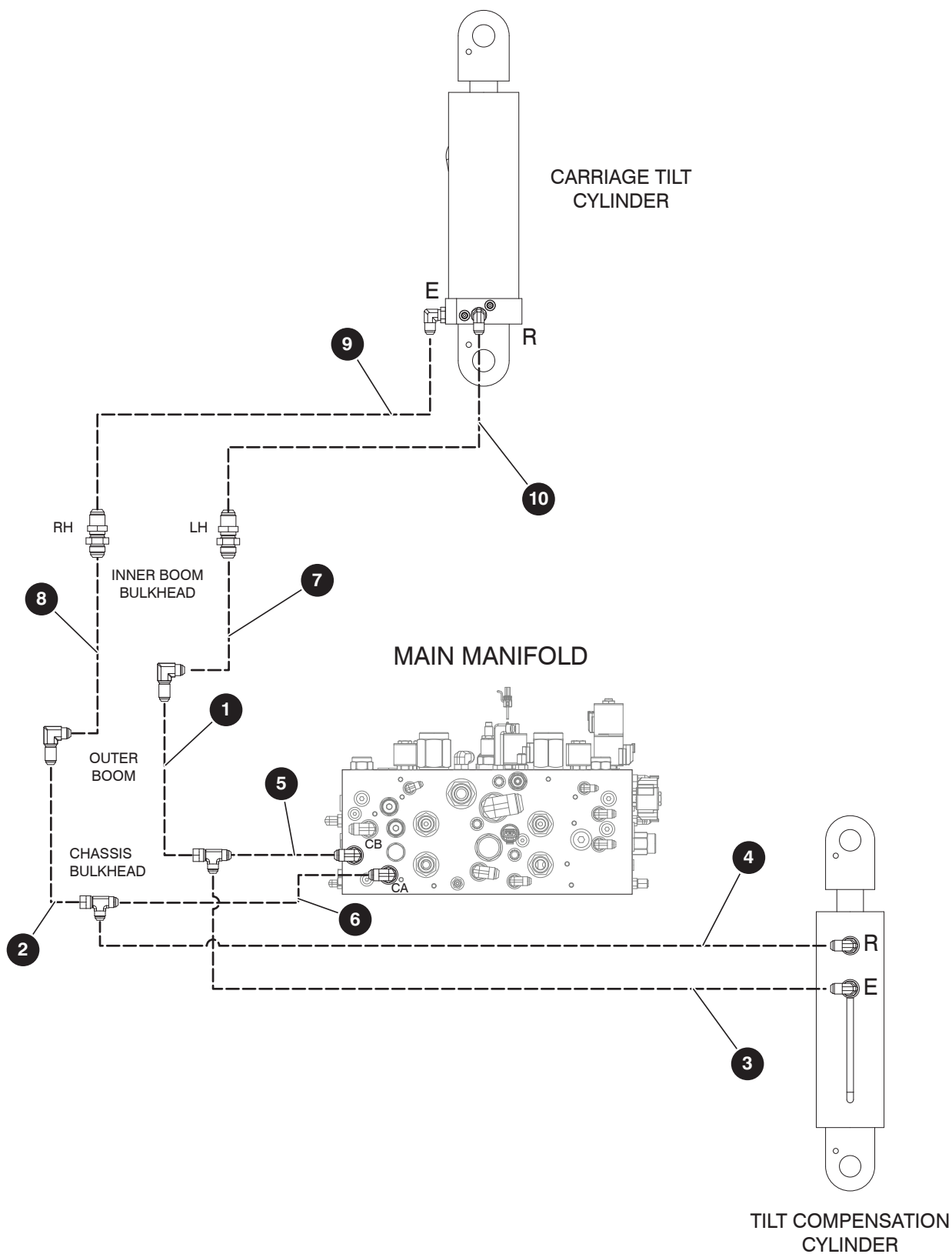


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9.7 Boom and Telescopic Hydraulic Hose Connections

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
A	-	SJ1044 TH	-	-	-
B	-	SJ1056 TH	-	-	-
1	H310800250	Lift cylinders	E		
2	H310800250	Lift cylinders	R		
3	H351200380	Main manifold	LA	E	RH Lift cylinder
4	H351200380	Main manifold	LB	R	RH Lift cylinder
5	H311200550	Extend cylinder	R	TB	Main manifold - A
5	H311200760	Extend cylinder	R	TB	Main manifold - B
6	H311200540	Extend cylinder	E	TA	Main manifold - A
6	H311200770	Extend cylinder	E	TA	Main manifold - B
7	H361200620	Main manifold	TA	E	Extend cylinder
10	H310800370	Carriage tilt cylinder	R		

9.8 Carriage Hydraulic Hoses SJ1044 TH

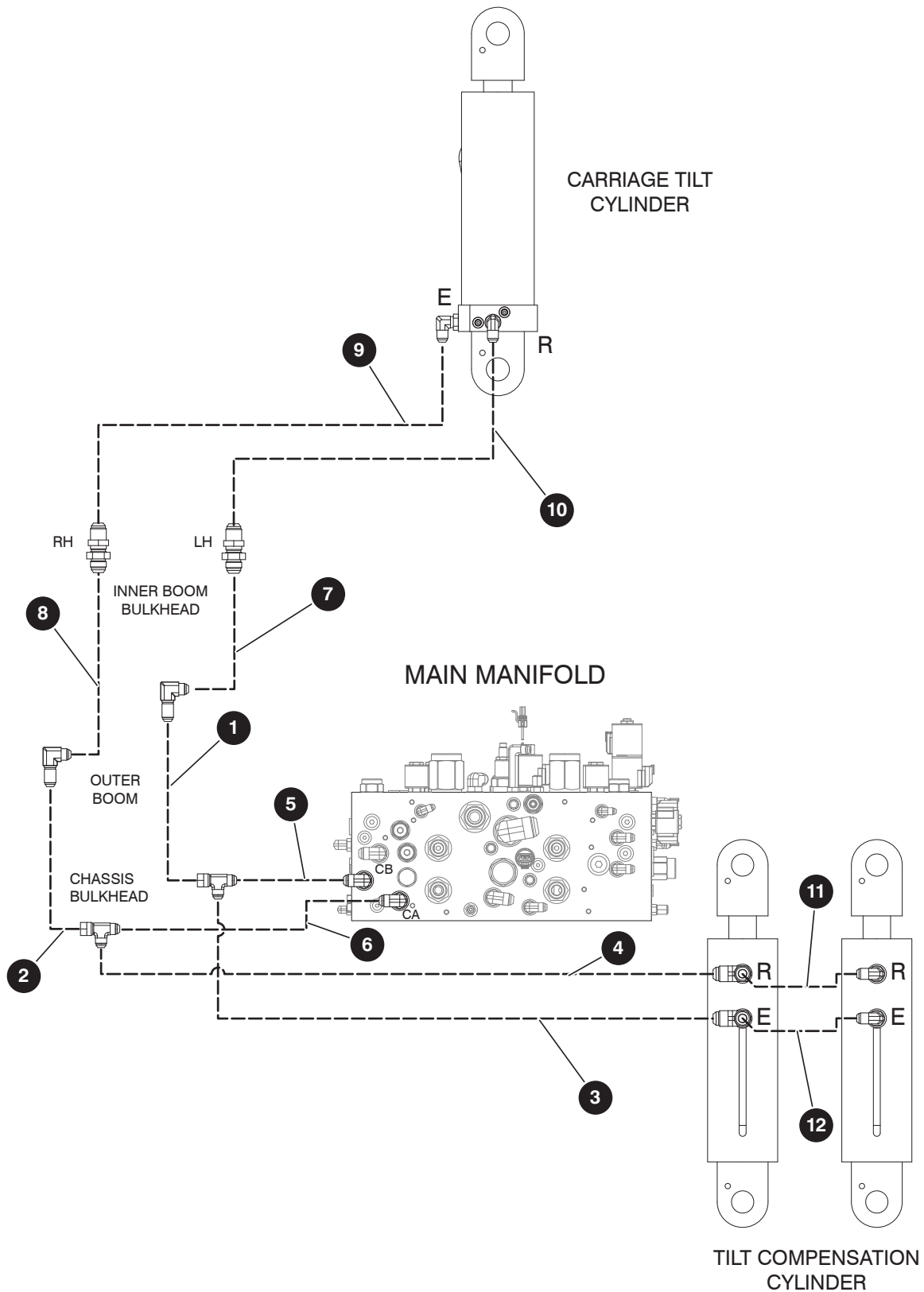


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9.8 Carriage Hydraulic Hoses SJ1044 TH

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	For S/N 87210167 and below	-	-	-
1	H340801842	Chassis boom bulkhead	R		
2	H340801842	Chassis boom bulkhead	E		
3	H310800200	Tilt compensation cylinder	E		Chassis bulkhead left side
4	H310800170	Tilt compensation cylinder	R		Chassis bulkhead right side
5	H340800470	Main manifold	CB		Chassis bulkhead left side
6	H340800470	Main manifold	CA		Chassis bulkhead right side
7	H610803380	Over hose sheave right side	R		
8	H610803380	Over hose sheave left side	E		
9	H310800370	Carriage tilt cylinder	E		
10	H310800370	Carriage tilt cylinder	R		

9.9 Carriage Hydraulic Hoses SJ1044 TH - Dual tilt

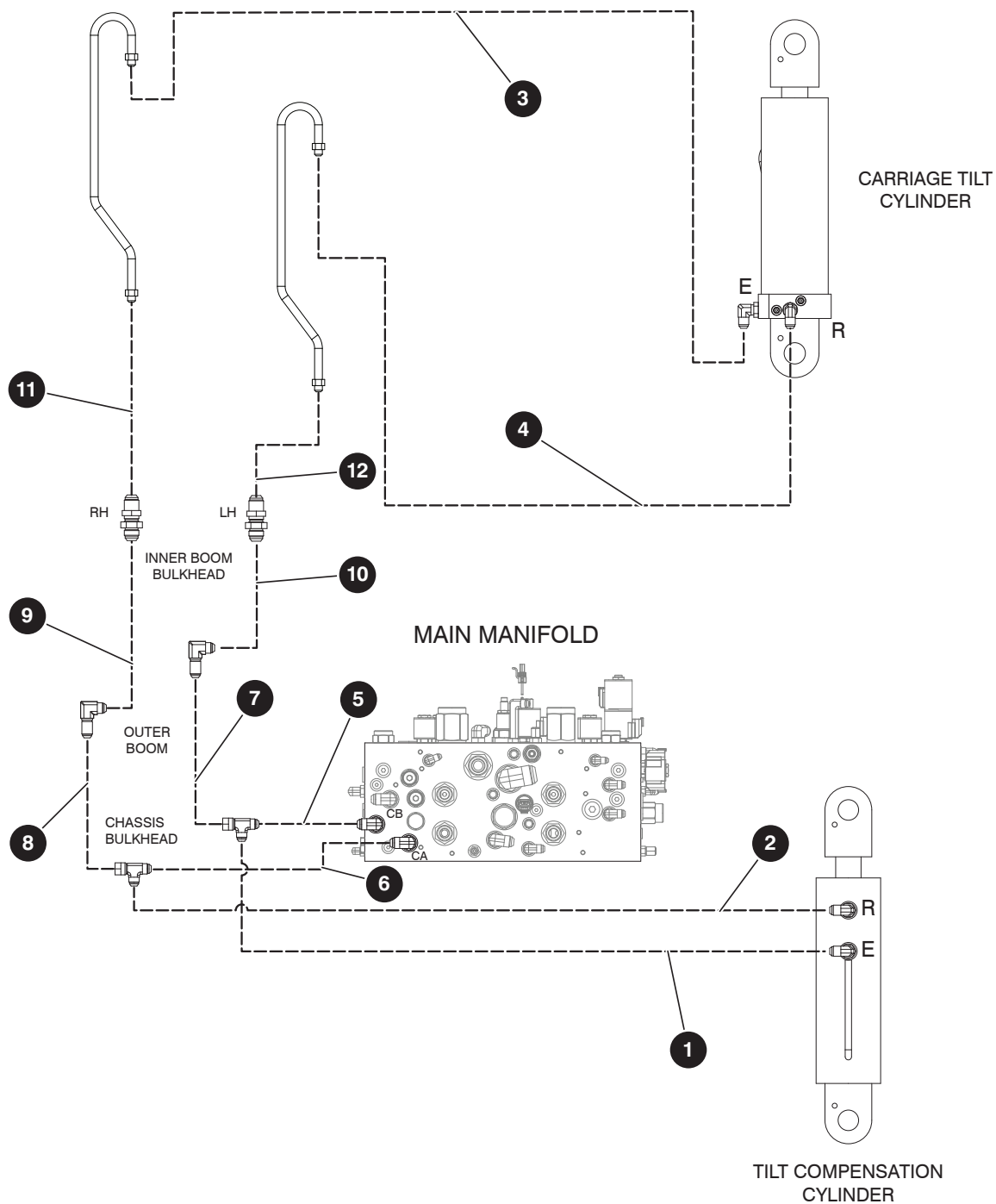


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9.9 Carriage Hydraulic Hoses SJ1044 TH - Dual tilt

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	For S/N 87210168 and above	-	-	-
1	H340801842	Chassis boom bulkhead	R		
2	H340801842	Chassis boom bulkhead	E		
3	H310800200	Tilt compensation cylinder	E		Chassis bulkhead left side
4	H310800170	Tilt compensation cylinder	R		Chassis bulkhead right side
5	H340800470	Main manifold	CB		Chassis bulkhead left side
6	H340800470	Main manifold	CA		Chassis bulkhead right side
7	H610803380	Over hose sheave right side	R		
8	H610803380	Over hose sheave left side	E		
9	H310800370	Carriage tilt cylinder	E		
10	H310800370	Carriage tilt cylinder	R		
11	H620800190	Tilt compensation cylinder	R	R	Tilt compensation cylinder
12	H620800190	Tilt compensation cylinder	E	E	Tilt compensation cylinder

9.10 Carriage Hydraulic Hoses SJ1056 TH

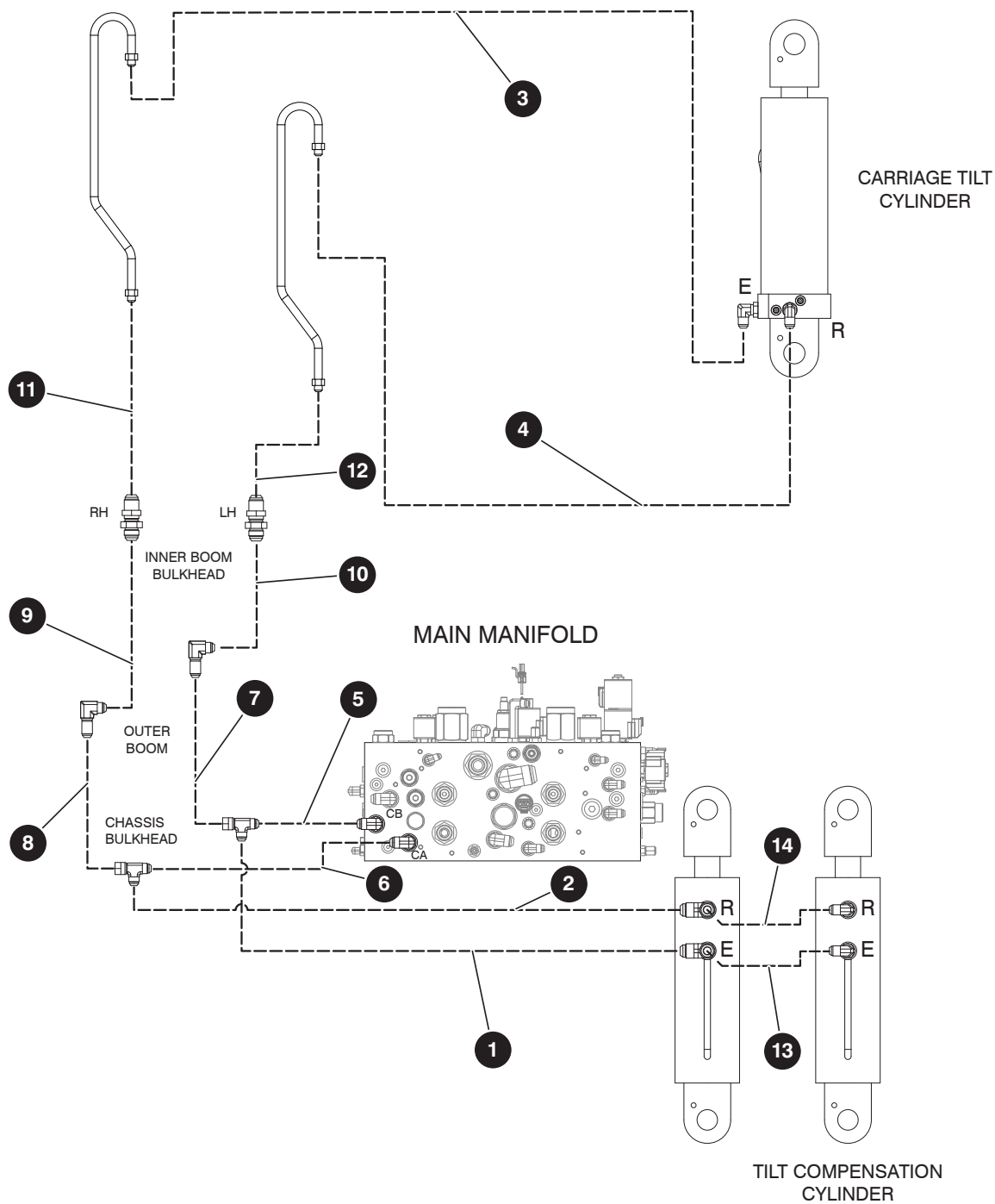


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9.10 Carriage Hydraulic Hoses SJ1056 TH

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	For S/N 87312008 and below	-	-	-
1	H310800200	Tilt compensation cylinder	E		Chassis bulkhead left side
2	H310800170	Tilt compensation cylinder	R		Chassis bulkhead right side
3	H610801980	Carriage tilt cylinder	E		
4	H610801980	Carriage tilt	R		
5	H340800470	Main manifold	CB		Chassis bulkhead left side
6	H340800470	Main manifold	CA		Chassis bulkhead right side
7	H340801770	Chassis		R	BOOM BULKHEAD
8	H340801770	Chassis		E	BOOM BULKHEAD
9	H610801870	Over hose sheave left side	E		
10	H610801870	Over hose sheave	R		
11	H670800200	Extend line			
12	H670800200	Retract line			

9.11 Carriage Hydraulic Hoses SJ1056 TH - Dual tilt

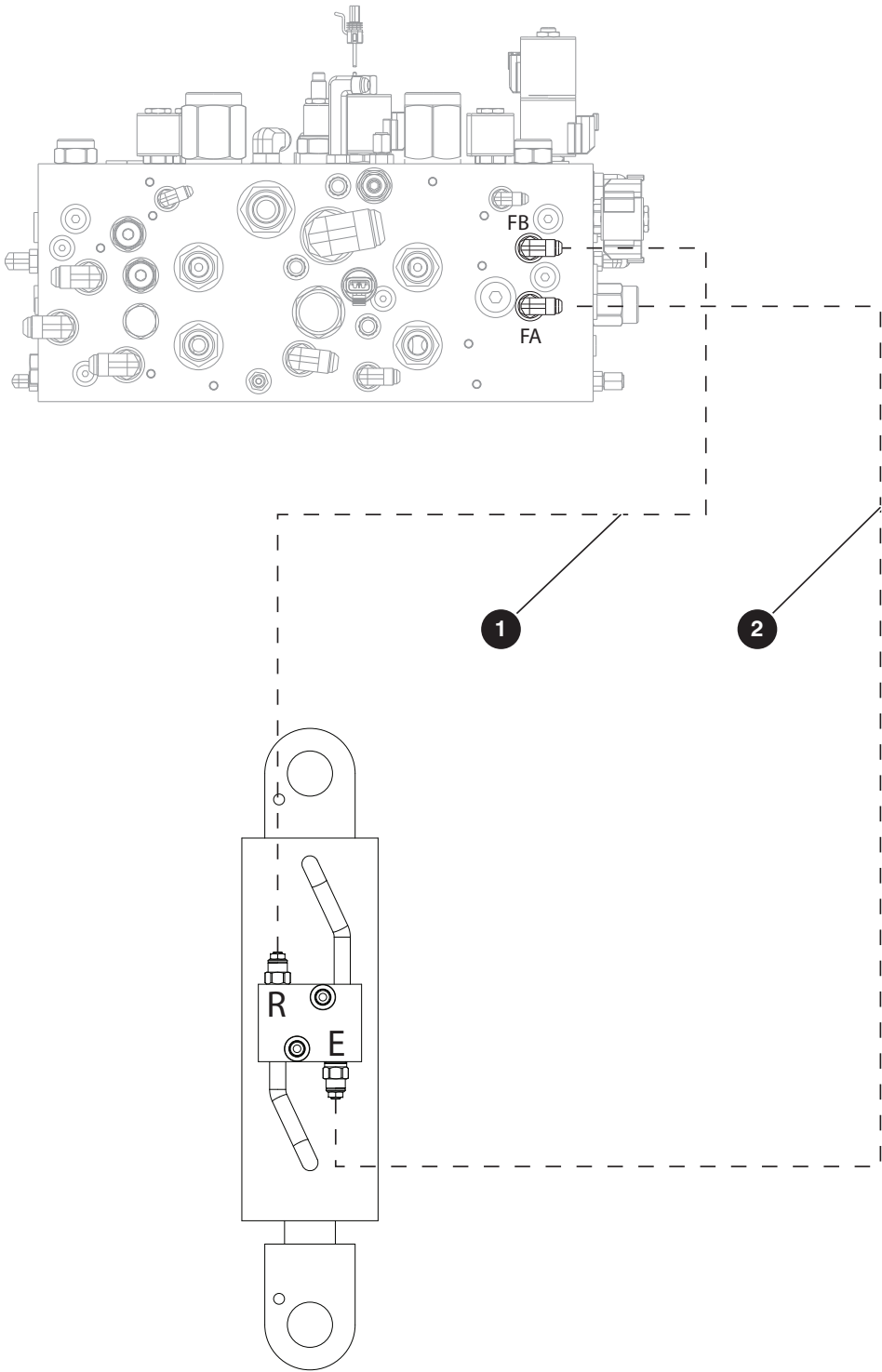


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9.11 Carriage Hydraulic Hoses SJ1056 TH - Dual tilt

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	For S/N 87312009 and above	-	-	-
1	H310800200	Tilt compensation cylinder	E		Chassis bulkhead left side
2	H310800170	Tilt compensation cylinder	R		Chassis bulkhead right side
3	H610801980	Carriage tilt cylinder	E		
4	H610801980	Carriage tilt	R		
5	H340800470	Main manifold	CB		Chassis bulkhead left side
6	H340800470	Main manifold	CA		Chassis bulkhead right side
7	H340801770	Chassis		R	BOOM BULKHEAD
8	H340801770	Chassis		E	BOOM BULKHEAD
9	H610801870	Over hose sheave left side	E		
10	H610801870	Over hose sheave	R		
11	H310800200	Extend line			
12	H310800200	Retract line			
13	H620800190	Tilt compensation cylinder	E	E	Tilt compensation cylinder
14	H620800190	Tilt compensation cylinder	R	R	Tilt compensation cylinder

9.12 Frame Level Hydraulic Hose Connections

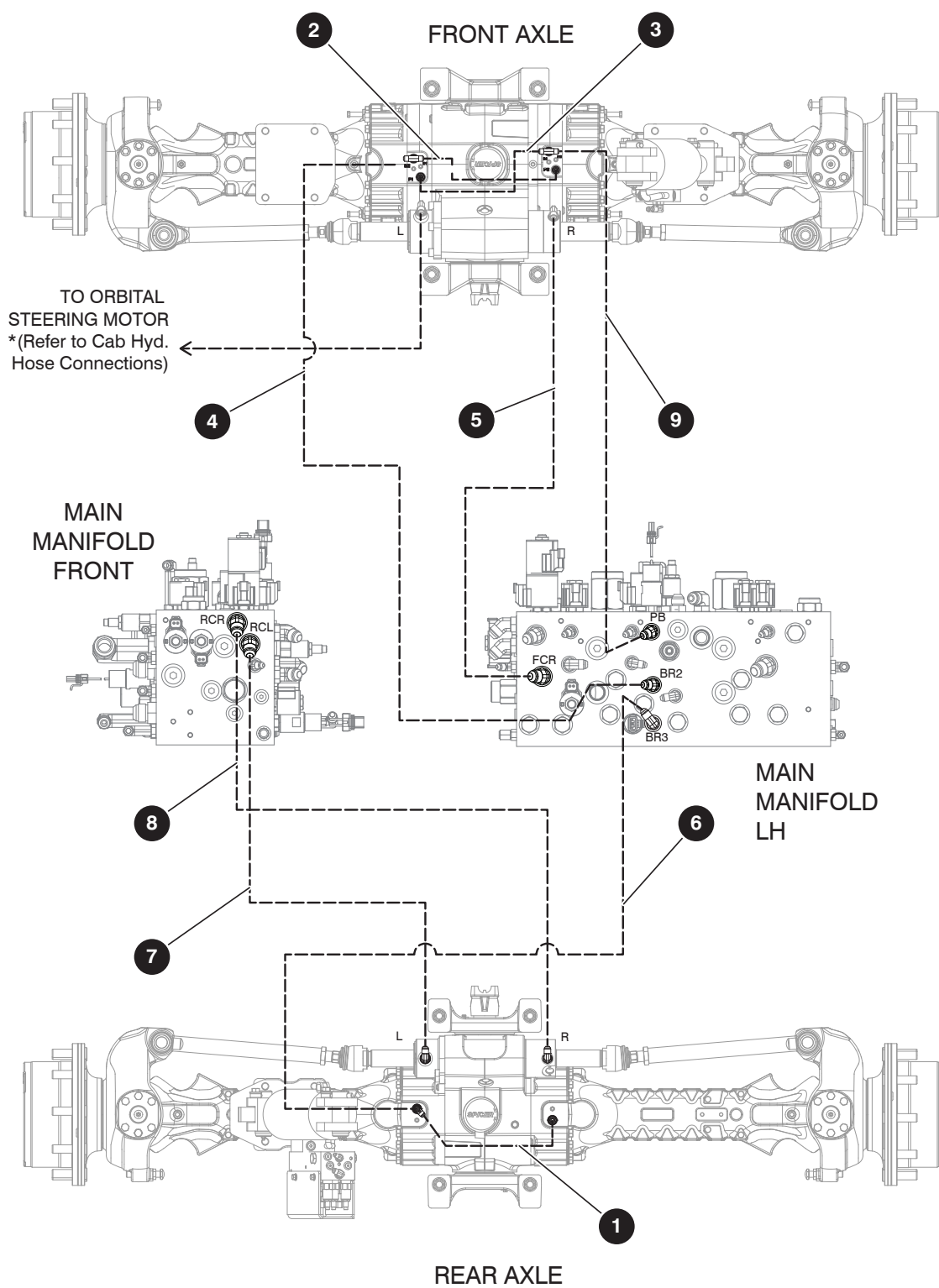


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9.12 Frame Level Hydraulic Hose Connections

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

9.13 Brakes and Steering Hydraulic Hose Connections

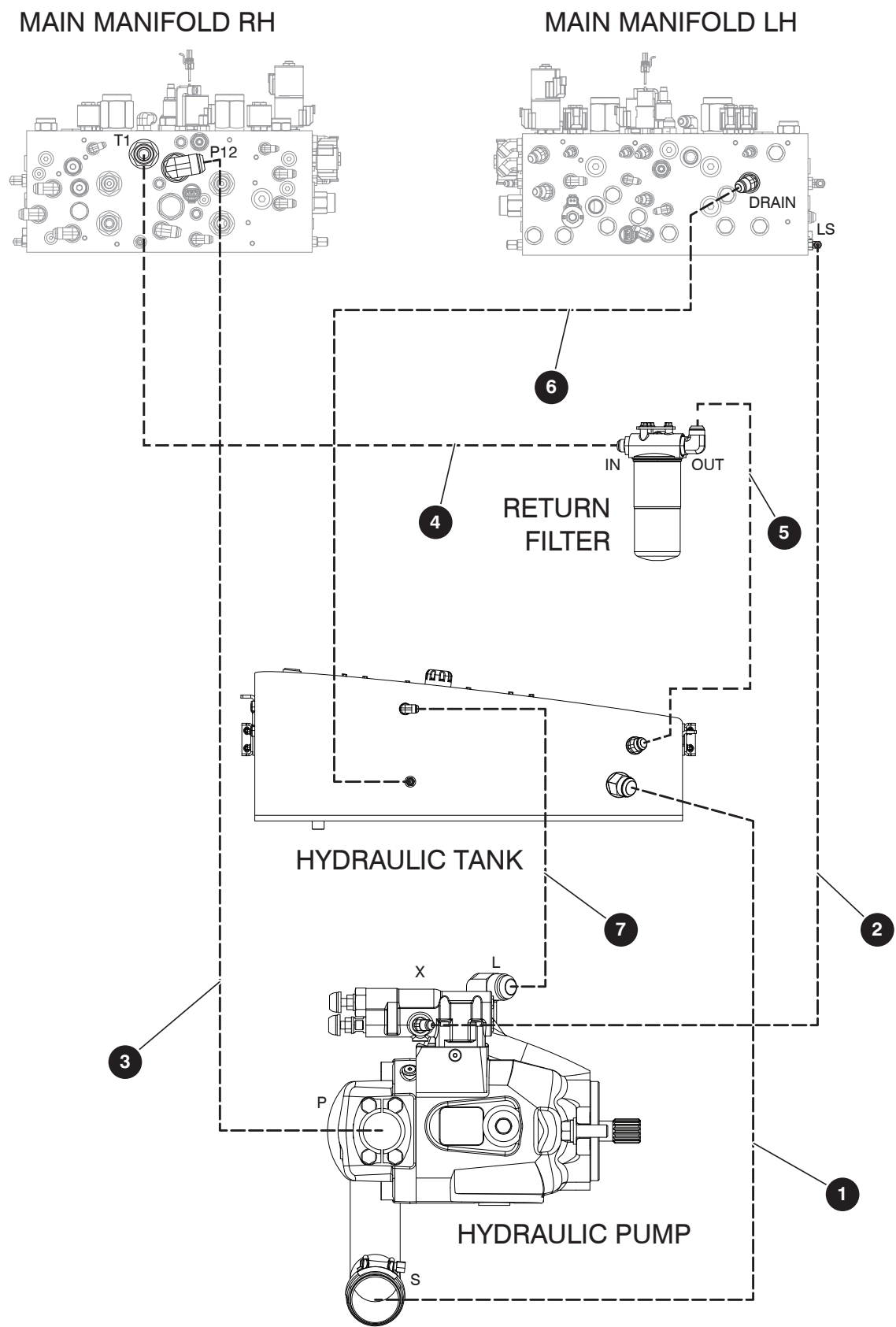


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9.13 Brakes and Steering Hydraulic Hose Connections

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H340600150	Rear service brake			Rear service brake
2	H340600150	Front service brake	P2	P2	Front service brake
3	H340600140	Parking brake	P1	P1	Parking brake
4	H340601330	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	H340601350	Main manifold	PB	P1	Front parking brake

9.14 Hydraulic Pump Hoses

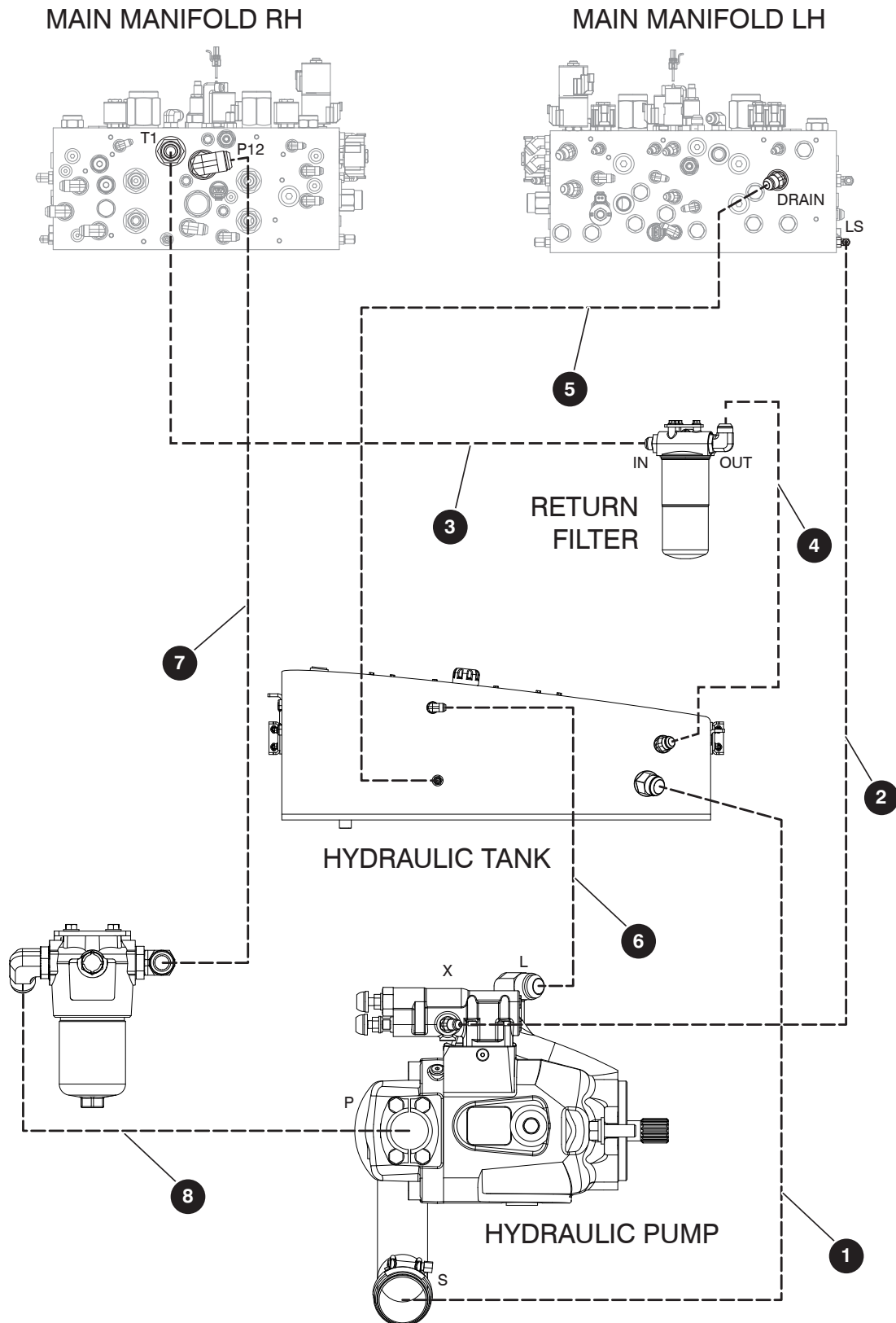


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9.14 Hydraulic Pump Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	Serial number 87210170 & below	-	-	-
-	-	Serial number 87312029 & below	-	-	-
1	H663200360	Pump		S	Hydraulic tank
2	H310401150	Main manifold	LS	X	Pump
3	H651600870	Main manifold	P12	P	Pump
4	H201600830	Main manifold	T1	IN	Return filter
5	H202000190	Return filter	OUT		Hydraulic tank
6	H341000610	Main manifold	DRAIN		Hydraulic tank
7	H311200470	Pump		L	Hydraulic tank

9.15 Hydraulic Pump Hoses with Pressure Filter

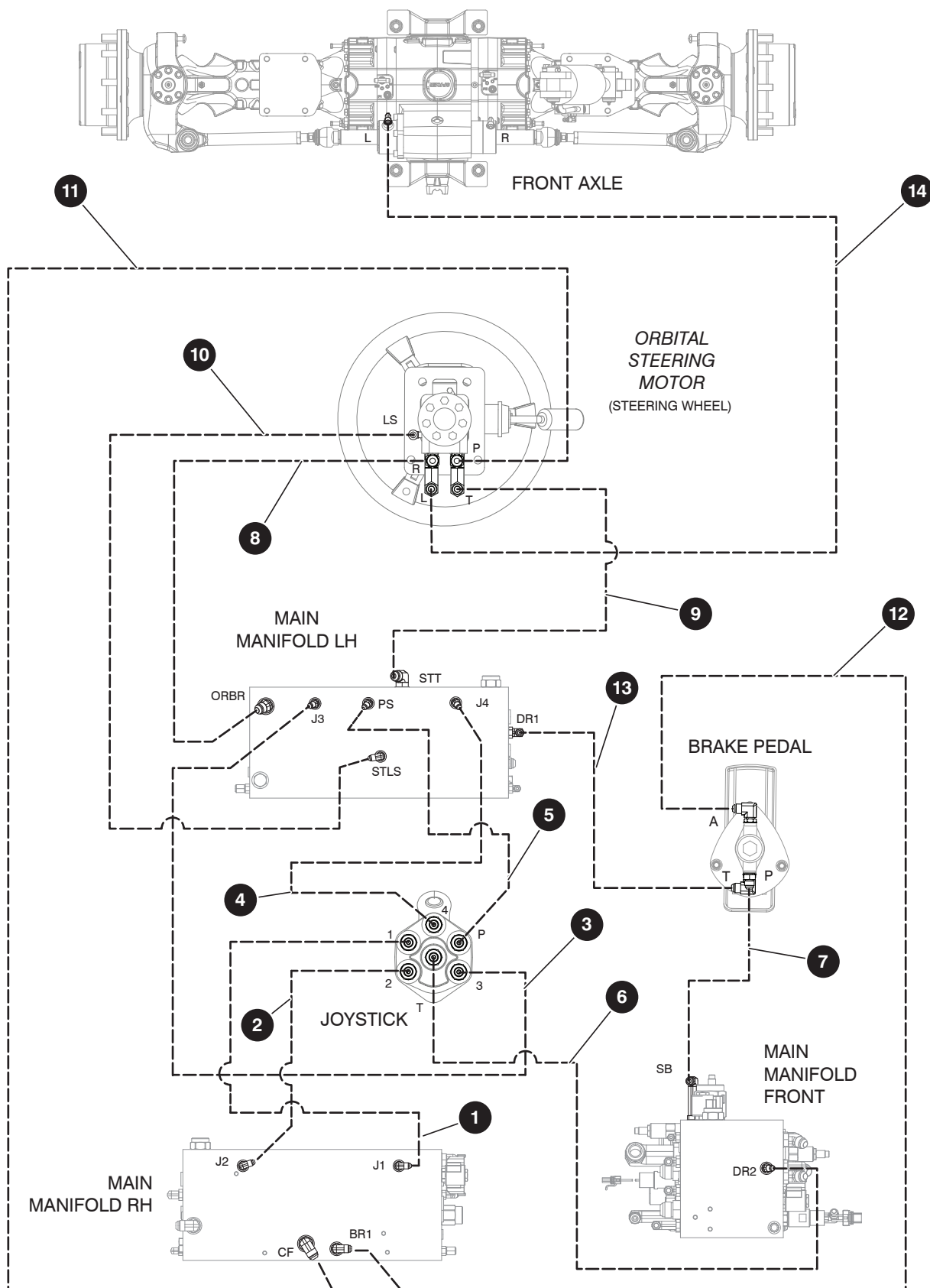


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9.15 Hydraulic Pump Hoses with Pressure Filter

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	Serial number 87210170 & above	-	-	-
-	-	Serial number 87312029 & above	-	-	-
1	H663200360	Pump		S	Hydraulic tank
2	H310401150	Main manifold	LS	X	Pump
3	H201600830	Main manifold	T1	IN	Return filter
4	H202000190	Return filter	OUT		Hydraulic tank
5	H341000610	Main manifold	DRAIN		Hydraulic tank
6	H311200470	Pump		L	Hydraulic tank
7	H671600990	Pressure Filter	OUT	P12	Main manifold
8	H821600422	Pump Outlet	P	IN	Pressure Filter

9.16 Cab Hydraulic Hose Connections

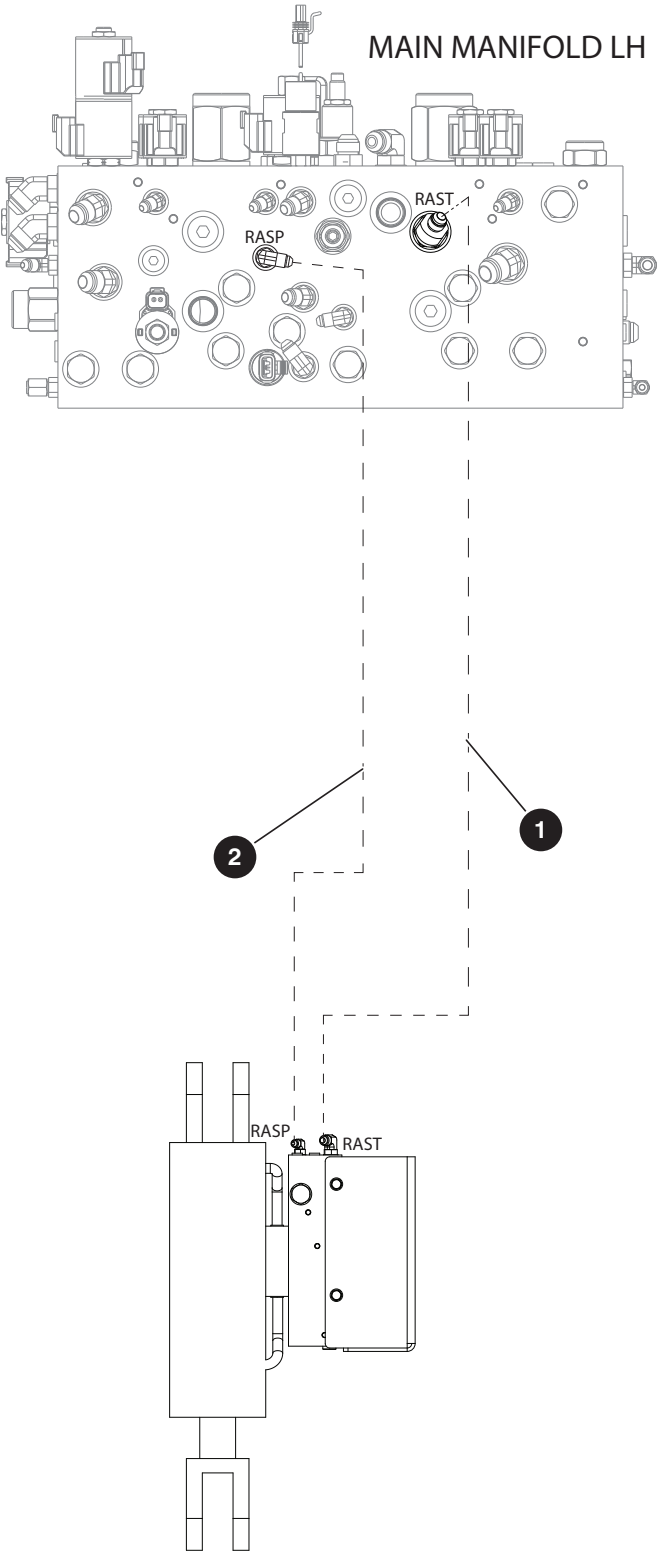


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9.16 Cab Hydraulic Hose Connections

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	H310601260	Main manifold	SB	P	Brake pedal
8	H310801240	Main manifold	ORBR	R	Steering console
9	H310801380	Main manifold	STT	T	Steering console
10	H310401310	Main manifold	STLS	LS	Steering console
11	H310801400	Main manifold	CF	P	Steering console
12	H310601260	Main manifold	BR1	A	Brake pedal
13	H310601300	Main manifold	DR1	T	Brake pedal
14	H310801190	Steering console	L	L	Front steer cylinder

9.17 RAS Hydraulic Hose Connections

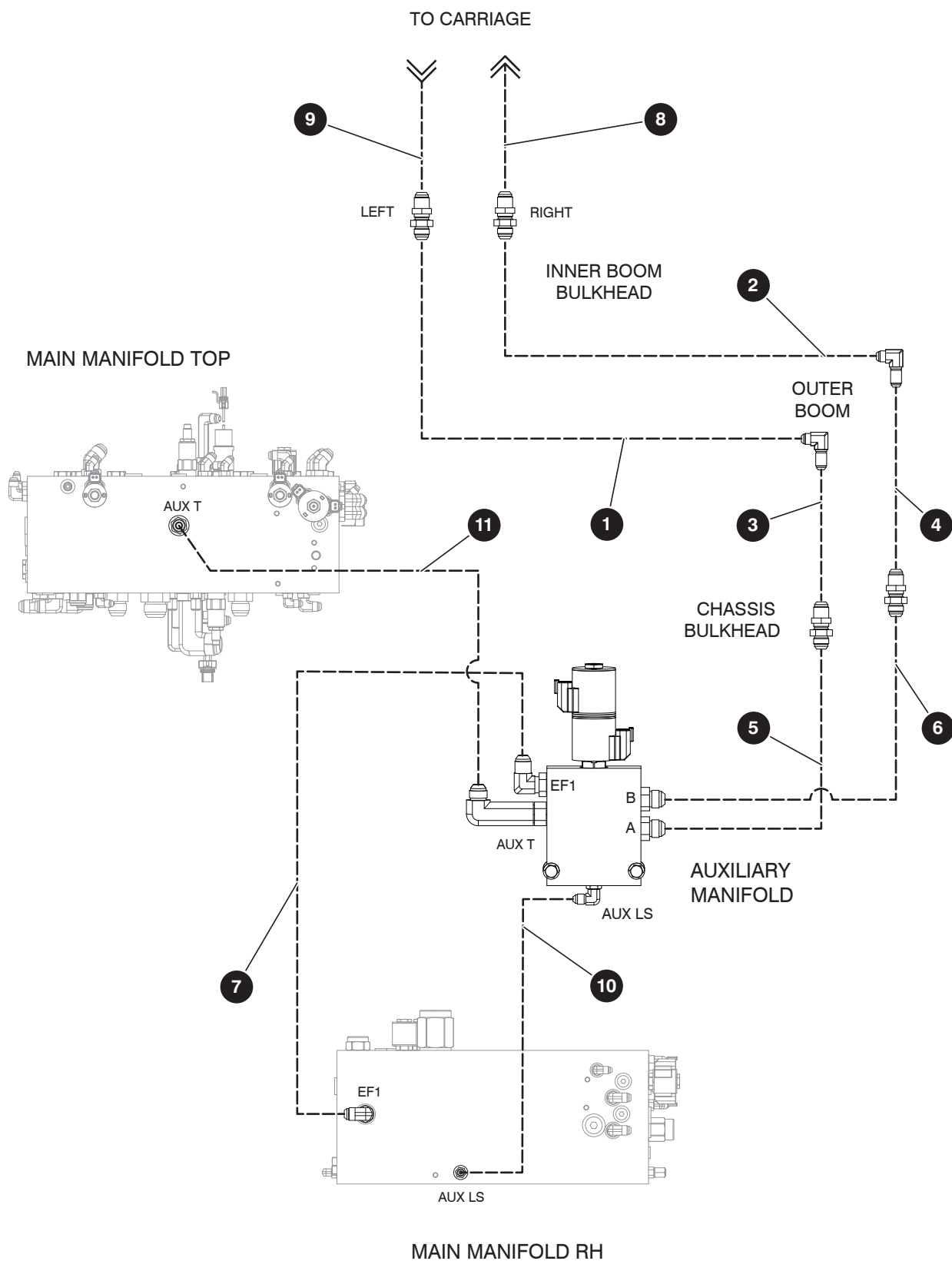


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9.17 RAS Hydraulic Hose Connections

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H310600310	Main manifold	RAST	RAST	Ras manifold
2	H310400370	Main manifold	RASP	RASP	Ras manifold

9.18 Auxiliary Hydraulic Hose Connections SJ1044 TH



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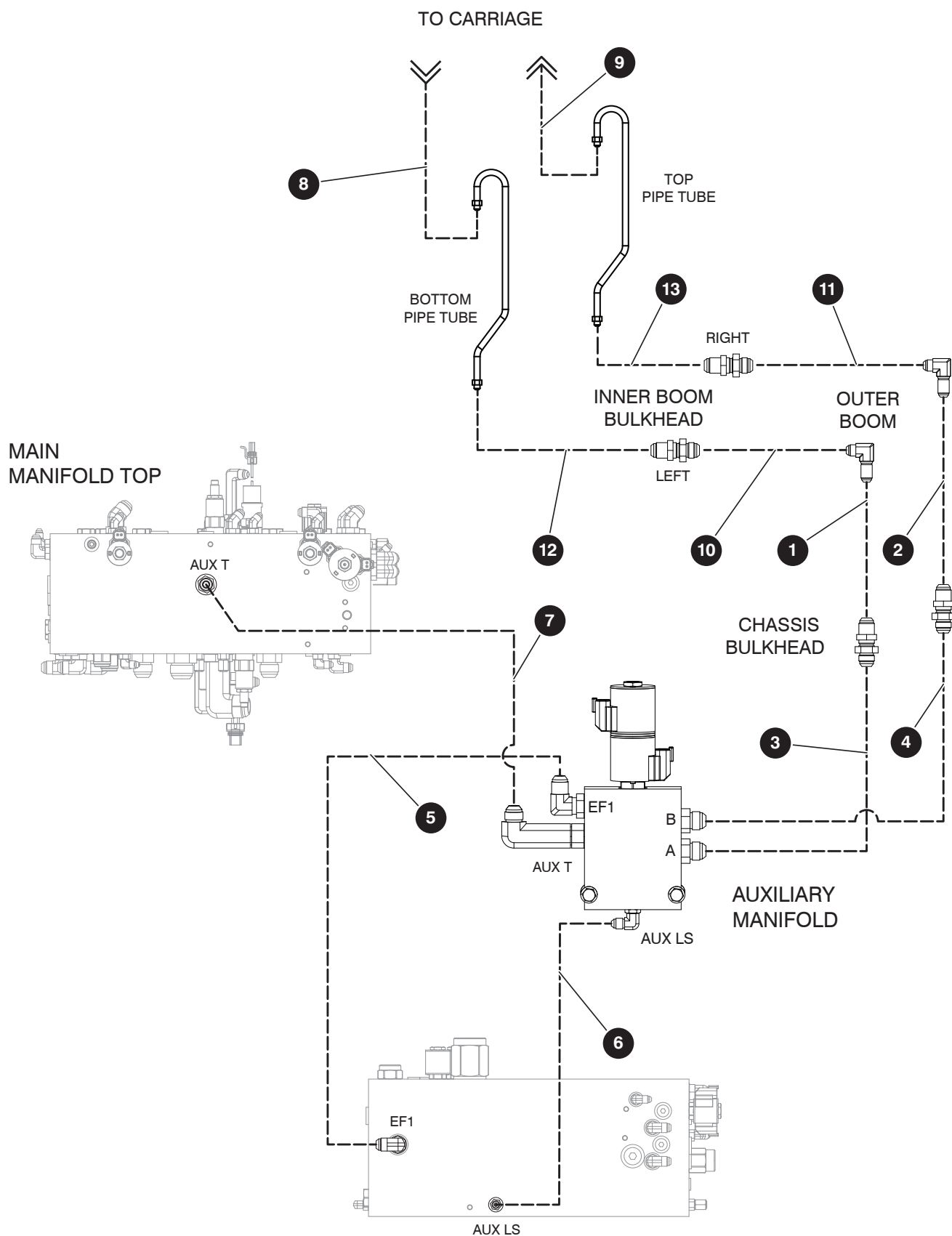
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

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9.18 Auxiliary Hydraulic Hose Connections SJ1044 TH

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H610803380	Over hose sheave	A		
2	H610803380	Over hose sheave	B		
3	H340801832	Under boom	A		
4	H340801832	Under boom	B		
5	H340800360	Auxiliary manifold	A		Chassis bulkhead
6	H340800360	Auxiliary manifold	B		Chassis bulkhead
7	H310800300	Main manifold	Aux EF1	Aux EF1	Auxiliary manifold
8	H310800420	Carriage, extend/retract	B		
9	H310800420	Carriage, tank	A		
10	H360400500	Main manifold	Aux LS	Aux LS	Auxiliary manifold
11	H360800430	Main manifold	Aux T	Aux T	Auxiliary manifold

9.19 Auxiliary Hydraulic Hose Connections SJ1056 TH

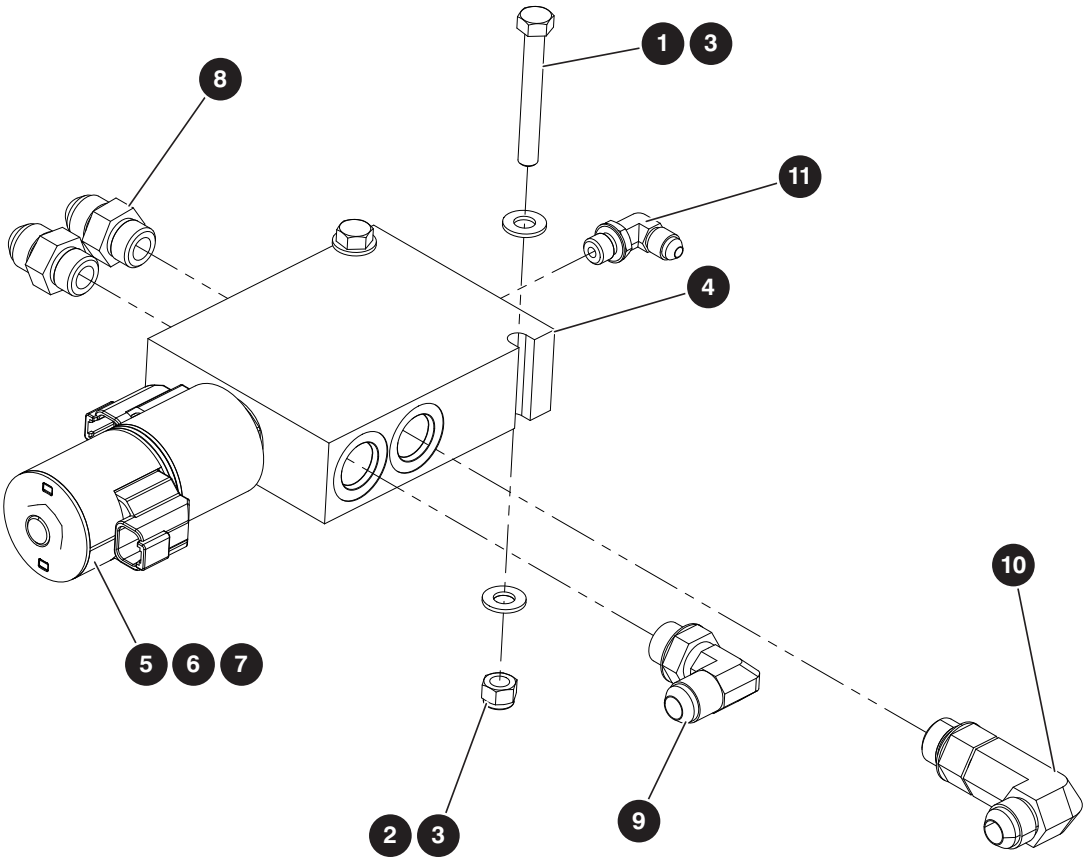


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9.19 Auxiliary Hydraulic Hose Connections SJ1056 TH

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H340801770	Chassis Bulkhead		A	Under boom
2	H340801770	Chassis Bulkhead		B	Under boom
3	H340800360	Auxiliary Manifold	A		Chassis bulkhead
4	H340800360	Auxiliary Manifold	B		Chassis bulkhead
5	H310800300	Main manifold	Aux EF1	Aux EF1	Auxiliary Manifold
6	H360400500	Main manifold	Aux LS	Aux LS	Auxiliary Manifold
7	H360800430	Main manifold	Aux T	Aux T	Auxiliary Manifold
8	H610801980	Top		A	Carriage retract
9	H610801980	Bottom		B	Carriage extend
10	H610801870	Over hose sheave	A		Left side
11	H610801870	Over hose sheave	B		Right side
12	H670800200		A		Top
13	H670800200		B		Bottom

9.20 Auxiliary Manifold Assembly



M190791AB

9.20 Auxiliary Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	190791	1	ASSEMBLY, AUXILIARY MANIFOLD
1	103884	2	• BOLT, Hex head 5/16"-18 X 2-1/2" grade 5
2	103984	2	• NUT, Lock with nylon insert 5/16"-18 grade 5
3	103996	4	• WASHER, Flat 5/16" SAE
-	190559	1	• MANIFOLD, AUXILIARY SUB ASSEMBLY
4	169033	1	• • AUXILIARY MANIFOLD
5	191797	1	• • • VALVE Solenoid 5 way, 3 position
6	168057	2	• • • COIL, #10
7	191806	1	• • • VALVE, Check disc
8	102659	2	• • FITTING, 8 SAE TO -8 JIC
9	114583	1	• • FITTING, 90° (08 JICM - 08ORBM)
10	702798	1	• • FITTING, 90° (08ORBM- 08JICM)
11	125883	1	• • FITTING, 90° (04JICM-04ORBM)

 **Notes**

Section 10 – Standard And Optional Attachments

10.1

*Quick-Attach Carrier /
Carriage & Forks*

10.9

*72" Swing Carriage
Components*

10.2

Side-Tilt Carriage Installation

10.10

Forks Positioner Carriage

10.3

*48" & 60" Side Tilt Carriage -
Internal Breakdown*

10.11

Truss Boom 12' and 15'

10.4

*72" Side-Tilt Carriage - Internal
Breakdown*

10.12

Loader Bucket

10.6

72" Swing Carriage Installation

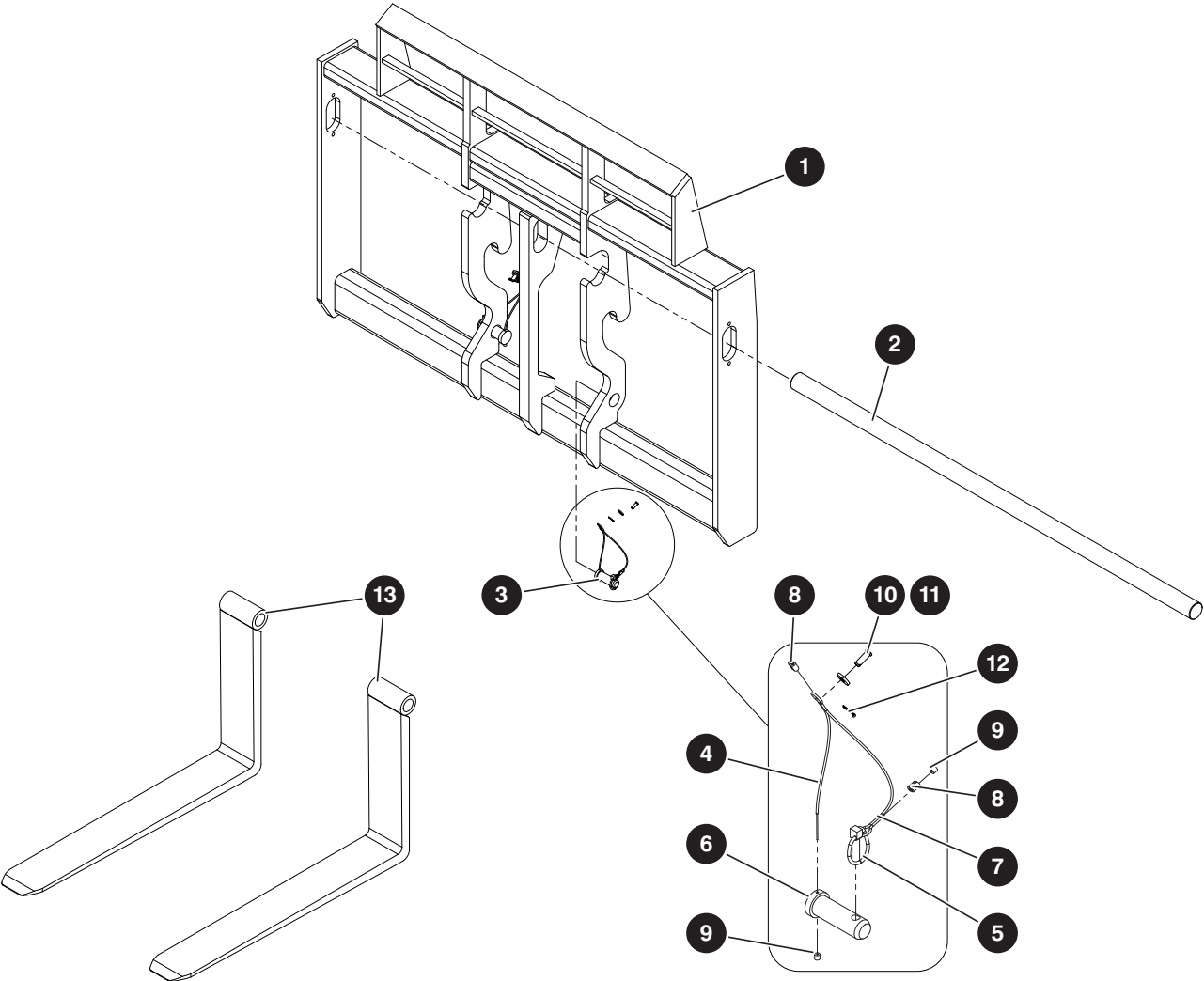
10.13

2' Jib Boom

10.7

*72" Swing Carriage
Components*

10.1 Quick-Attach Carrier / Carriage & Forks

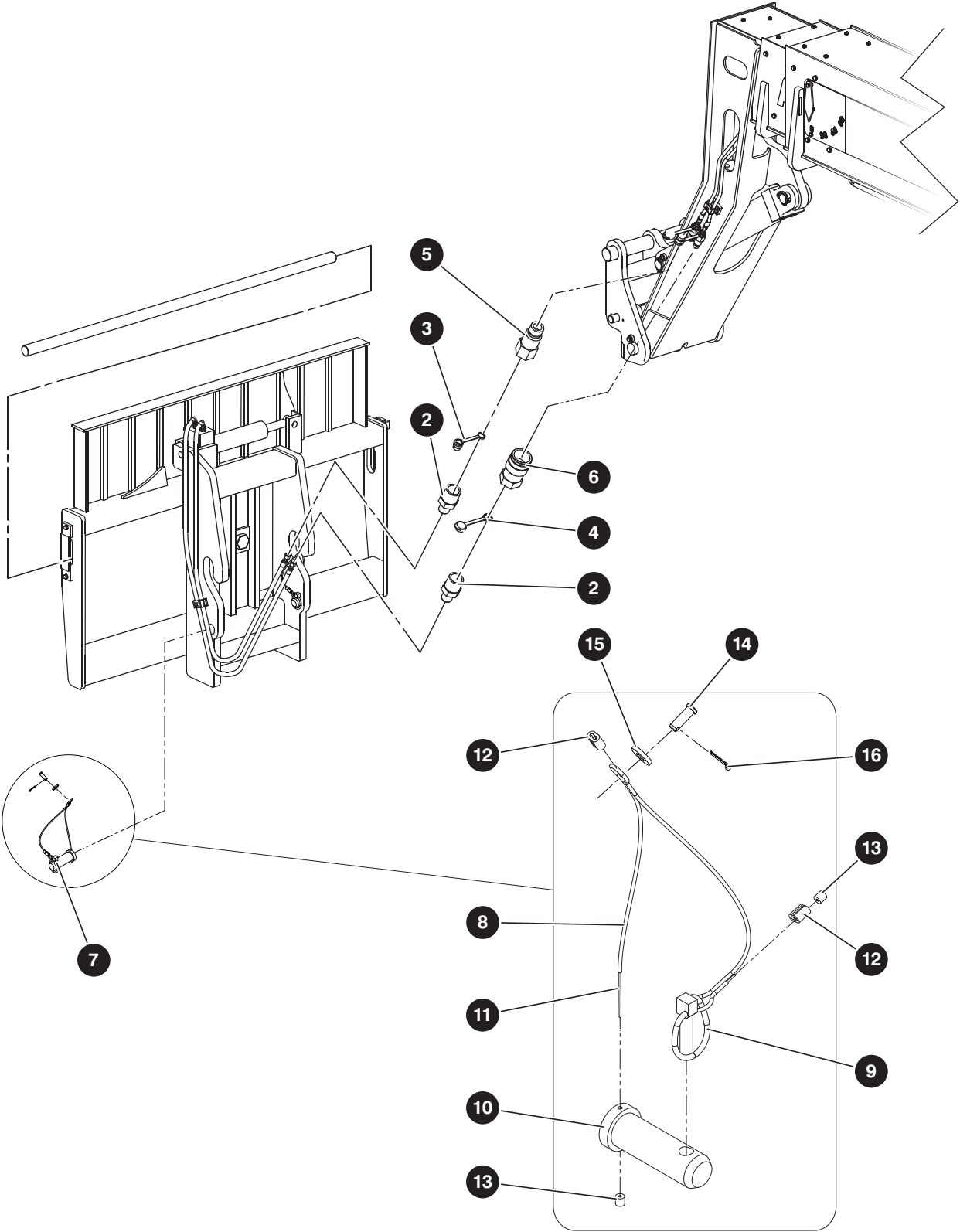


M930599

10.1 Quick-Attach Carrier / Carriage & Forks

Index No.	Skyjack Part No.	Qty.	Description
A	930717	1	ASSEMBLY, CARRIAGE 10K 48" QA
B	240760	1	ASSEMBLY, CARRIAGE 10K 48" QA (Skyjack)
C	930714	1	ASSEMBLY, CARRIAGE 10K 60" QA
D	243805	1	ASSEMBLY, CARRIAGE 10K 60" QA (Skyjack)
E	930599	1	ASSEMBLY, CARRIAGE 10K 72" QA
F	243803	1	ASSEMBLY, CARRIAGE 10K 72" QA (Skyjack)
1	930718	1	• WELDMENT, Carriage 10K 48" QA - A
	240761	1	• WELDMENT, Carriage 10K 48" QA - B
	930715	1	• WELDMENT, Carriage 10K 60" QA - C
	243797	1	• WELDMENT, Carriage 10K 60" QA - D
	930600	1	• WELDMENT, Carriage 10K 72" QA - E
	243793	1	• WELDMENT, Carriage 10K 72" QA - F
2	(Ref.)	1	• BAR, Forks 48" - A, B (For components, refer to Section 10.9)
	(Ref.)	1	• BAR, Forks 60" - C, D (For components, refer to Section 10.9)
	(Ref.)	1	• BAR, Forks 72" - E, F (For components, refer to Section 10.9)
3	923565	1	• ASSEMBLY, Tether pin 63mm QA
4	923562	2	• • ASSEMBLY, Tether pin 63mm
5	923135	1	• • • PIN, Lynch 7/16" X 1-3/4" long
6	923134	1	• • • PIN, Quick attach
7	923555	1	• • • Tether, Vinyl coated 22.5"
8	923558	2	• • • CLAMP, 1/8" oval compression sleeve
9	923559	2	• • • CLAMP, Stop compression sleeve
10	932646	2	• • PIN, Clevis
11	933735	2	• • WASHER, M10
12	933615	2	• • PIN, Cotter
13	-	1	ASSEMBLY, Forks
	929702	1	• FORKS, Standard taper 2.25 X 5 X 48
	929703	1	• FORKS, Standard taper 2.25 X 5 X 60
	921329	1	• FORKS, Standard taper 2.25 X 5 X 72
	920356	1	• FORKS, 2 X 4 X 48
	929700	1	• FORKS, Fully tapered 1.75 X 7 X 48
	207704	1	• BLOCK FORKS, 2 X 1.50 X 46
	922006	6	• • FORKS, 2 X 1.50 X 46
	220588	1	• FORK, 2.36 X 3.94 X 48 Standard Taper (Not for Fork Positioner Carriage)
	220587	1	• FORK, 2.36 X 3.94 X 48 Standard Taper (For Fork Positioner Carriage)
	220588	2	• • FORK, 2.36 X 3.94 X 48 Standard Taper (For Fork Positioner Carriage)
	220589	4	• • PLATE, Fork positioner carriage spacer
	228622	1	• FORK, 2.36 X 4 X 60 Std Taper
	228623	1	• FORK, 2.36 X 4 X 72 Std Taper

10.2 Side-Tilt Carriage Installation

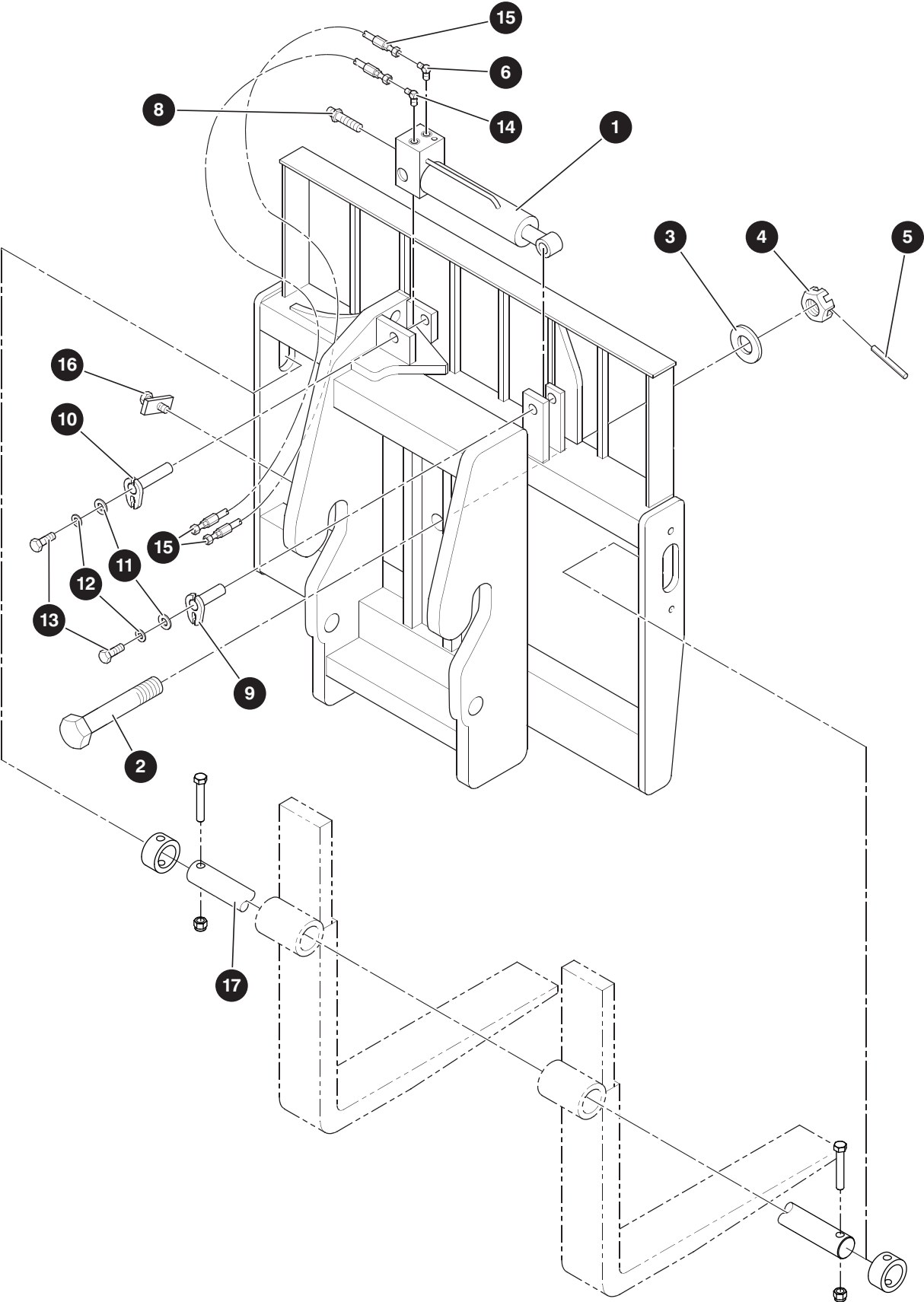


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10.2 Side-Tilt Carriage Installation

Index No.	Skyjack Part No.	Qty.	Description
A	927442	1	48" Side Tilt Carriage
B	927445	1	60" Side Tilt Carriage
-	(Ref.)	1	72" Side Tilt Carriage (For components, refer to Section 9.4)
1	(Ref.)	1	• CARRIAGE, 48" Side tilt quick attach - A (For components, refer to Section 9.3)
-	(Ref.)	1	• CARRIAGE, 60" Side tilt quick attach - B (For components, refer to Section 9.3)
2	933277	2	• FITTING, Straight (06 JICM) 10 SAE
3	926080	1	• CAP, Quick connect dust nipple
4	926079	1	• CAP, Quick connect dust coupler
5	206135	1	• COUPLING, Quick disconnect nipple
6	206134	1	• COUPLING, Quick disconnect (Flat-Faced)
7	923563	1	• ASSEMBLY, Tether pin 70 mm Quick Attach
8	923560	2	• • ASSEMBLY, Tether pin 70 mm
9	923135	1	• • • PIN, Lynch 7/16" X 1-3/4" long
10	923169	1	• • • PIN, Quick attach
11	923555	1	• • • Tether, Vinyl coated 22.5"
12	923558	2	• • • CLAMP, 1/8" oval compression sleeve
13	923559	2	• • • CLAMP, Stop compression sleeve
14	932646	2	• • PIN, Clevis
15	933735	2	• • WASHER, M10
16	933615	2	• • PIN, Cotter

10.3 48" & 60" Side Tilt Carriage - Internal Breakdown

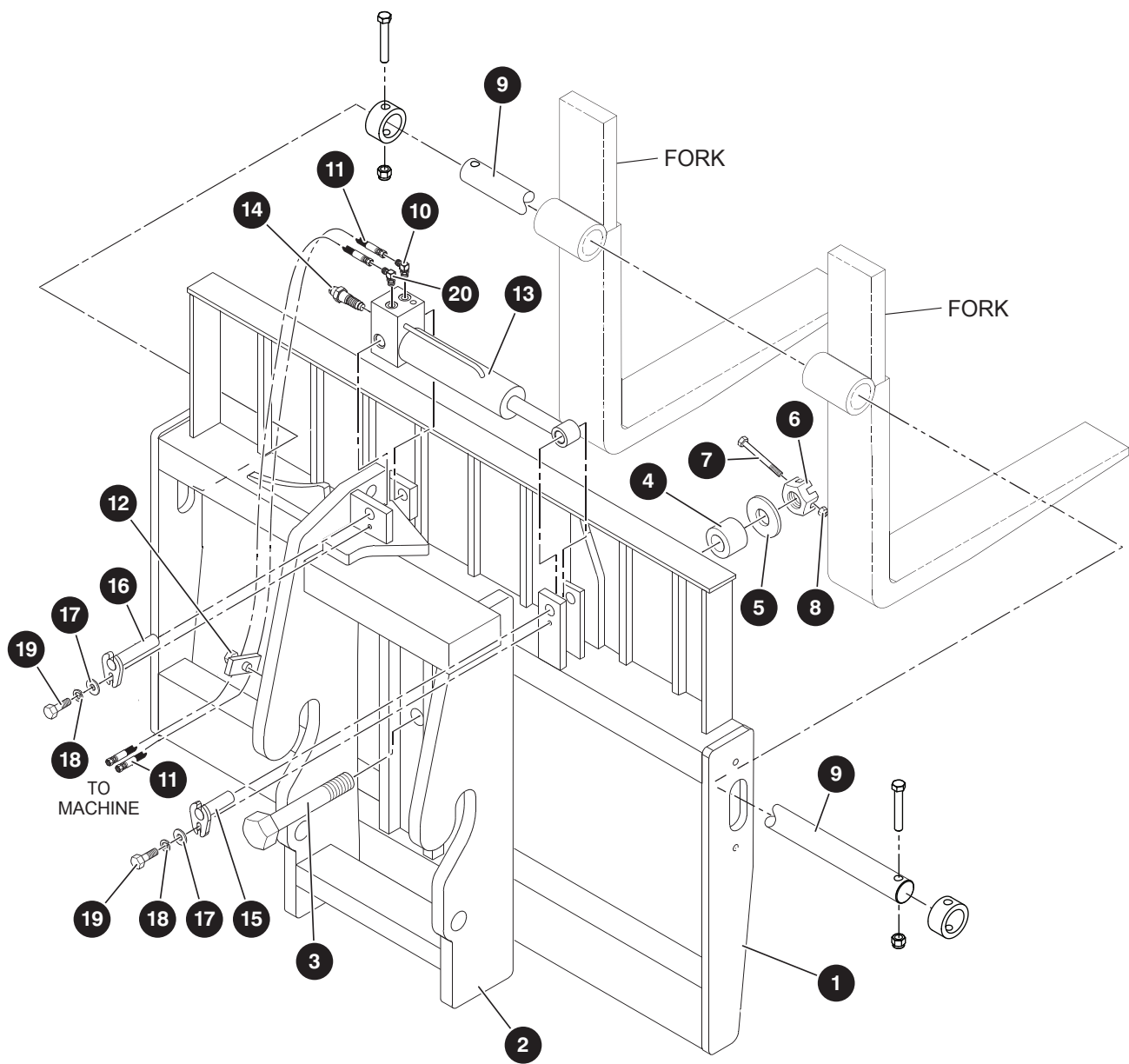


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10.3 48" & 60" Side Tilt Carriage - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
A	928838	1	48" Side Tilt Carriage
B	928840	1	60" Side Tilt Carriage
1	926325	1	• CYLINDER
-	929482	1	• • KIT, Seal
2	929483	1	• BOLT, Hex
3	929484	1	• WASHER, Flat
4	929485	1	• NUT, Castle
5	929486	1	• PIN, Split
6	929502	1	• FITTING With orifice
7	929500	1	• KIT, Hose (Not Shown)
8	929490	2	• VALVE, Center
-	929491	2	• • KIT, O-Ring
9	929492	1	• PIN, Locking
10	929493	1	• PIN, Locking
11	929494	2	• WASHER, Flat
12	929495	2	• WASHER, Lock
13	929496	2	• SCREW, Machine
14	929497	1	• FITTING, 90°
15	929498	2	• HOSE
16	929499	1	• CLAMP, Hose
17	(Ref.)	1	• BAR, Fork - A
			<i>(For components, refer to Section 10.9)</i>
-	(Ref.)	1	• BAR, Fork - B
			<i>(For components, refer to Section 10.9)</i>

10.4 72" Side-Tilt Carriage - Internal Breakdown

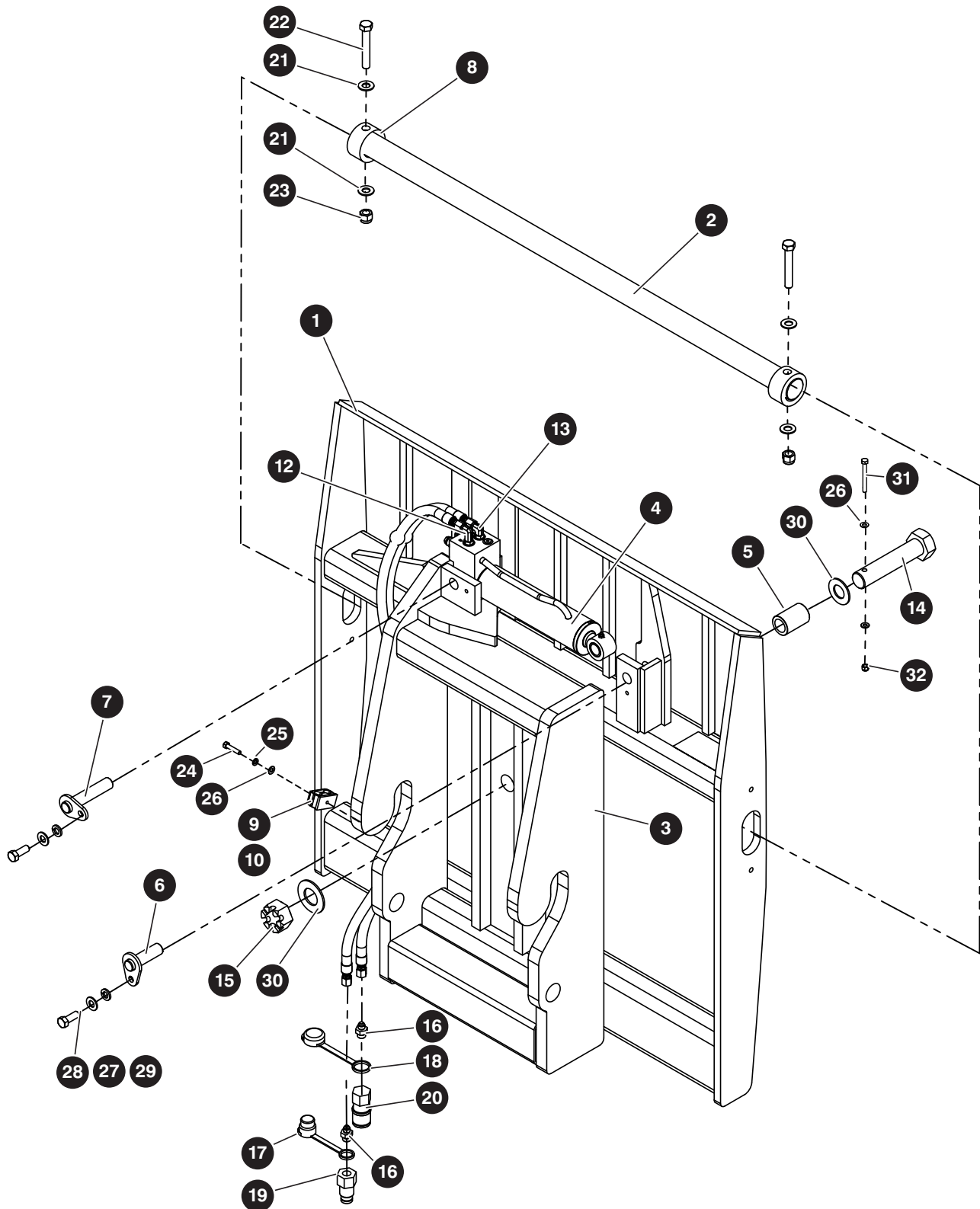


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10.4 72" Side-Tilt Carriage - Internal Breakdown

Index No.	Skyjack Part No.	Qty.	Description
-	920601	1	72" Side Tilt Carriage
1	922634	1	• FRAME, Front
2	922635	1	• FRAME, Rear
3	922636	1	• BOLT, Hex head
4	922637	1	• SPACER, Bearing
5	922638	1	• WASHER
6	922639	1	• NUT, Hex
7	922640	1	• SCREW, Hex head cap
8	922641	1	• NUT, Hex
9	(Ref.)	1	• BAR, Forks side tilt 72"
			<i>(For components, refer to Section 10.9)</i>
10	922650	1	• FITTING
11	922651	2	• ASSEMBLY, Hose
12	922652	1	• CLAMP, Hose
13	922645	1	• Cylinder
-	922654	1	• • KIT, Cylinder packing
14	922646	2	• VALVE, Center
15	922647	1	• PIN, Locking
16	929493	1	• PIN, Locking
17	929494	2	• WASHER, Flat
18	929495	2	• WASHER, Lock
19	922648	2	• SCREW, Hex head
20	922649	1	• FITTING

10.5 Side-Tilt Carriage Installation (Skyjack)

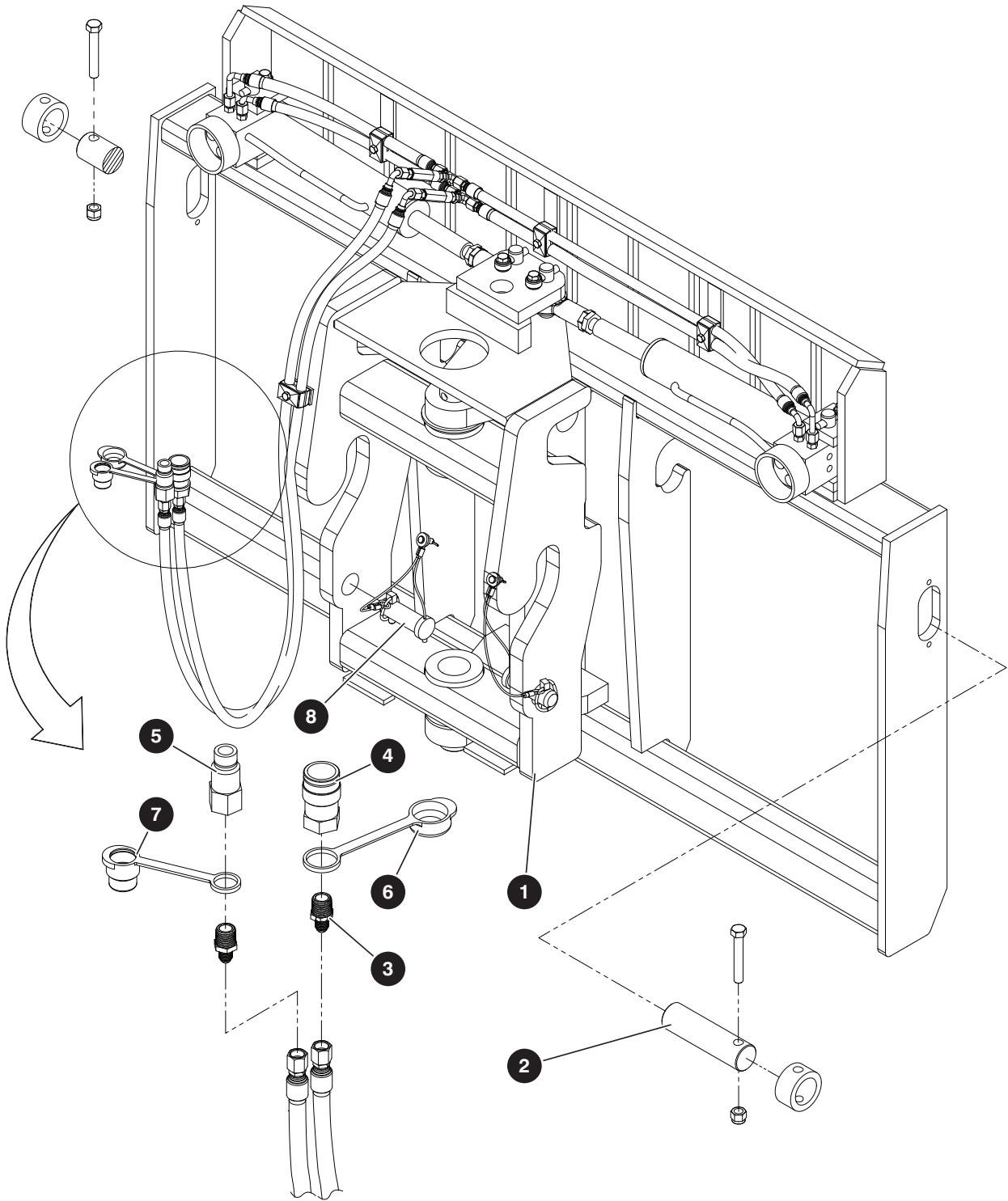


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10.5 Side-Tilt Carriage Installation (Skyjack)

Index No.	Skyjack Part No.	Qty.	Description
A	240140	1	48" Side Tilt Carriage (Skyjack)
B	243900	1	60" Side Tilt Carriage (Skyjack)
C	243905	1	72" Side Tilt Carriage (Skyjack)
1	240141	1	• WELDMENT, Front carriage 10K 48" - A
	243901	1	• WELDMENT, Front carriage 10K 60" - B
	243906	1	• WELDMENT, Front carriage 10K 72" - C
2	198948	1	• BAR, Forks 48" - A
	199023	1	• BAR, Forks 60" - B
	199418	1	• BAR, Forks 72" - C
3	240142	1	• WELDMENT, Rear frame
4	257385	1	• CYLINDER, Hydraulic
5	240334	1	• BUSHING, Hinge
6	240329	1	• WELDMENT, Pin (1" x 3.563 LG)
7	240166	1	• WELDMENT, Pin (1" x 3.563 LG)
8	198837	2	• COLLAR, Fork bar (2")
9	933048	1	• CLAMP
10	932668	1	• PLATE, Cover
11	103513	1	• NIPPLE, Grease (1/4"-28)
12	114578	1	• FITTING, 90° (06 JICM - 06 ORBM)
13	233080	1	• FITTING, Orifice
14	240172	1	• BOLT, Hex head (1.5"-12 x 7" Grade 8)
15	240173	1	• NUT, Castle (1 1/2"-12)
16	103070	2	• FITTING, Straight (06 JICM - 08 ORBM)
17	926080	1	• CAP, Quick connect dust nipple
18	926079	1	• CAP, Quick connect dust coupler
19	206135	1	• COUPLING, Quick disconnect nipple
20	206134	1	• COUPLING, Quick disconnect (Flat-Faced)
21	700782	1	• WASHER, Flat (5/8")
22	192219	1	• BOLT, Hex head (5/8"-11 x 4" Grade 8)
23	111577	1	• NUT, Lock (5/8"-11 Grade 5)
24	112532	1	• BOLT, Hex head (0.312"-18 x 1.25" Grade 5)
25	103404	1	• WASHER, Lock (0.312")
26	103996	1	• WASHER, Flat (0.312")
27	103472	1	• WASHER, Flat (3/8")
28	207298	1	• BOLT, Hex head (3/8"-16 x 1" Grade 8)
29	103999	1	• WASHER, Lock (3/8")
30	240174	1	• WASHER, Flat (1.5")
31	103867	1	• BOLT, Hex head (0.31"-18 x 3" Grade 5)
32	103984	1	• NUT, Lock (0.313"-18 Grade 5)
33	172659	1	• NAMEPLATE, Serial number

10.6 72" Swing Carriage Installation

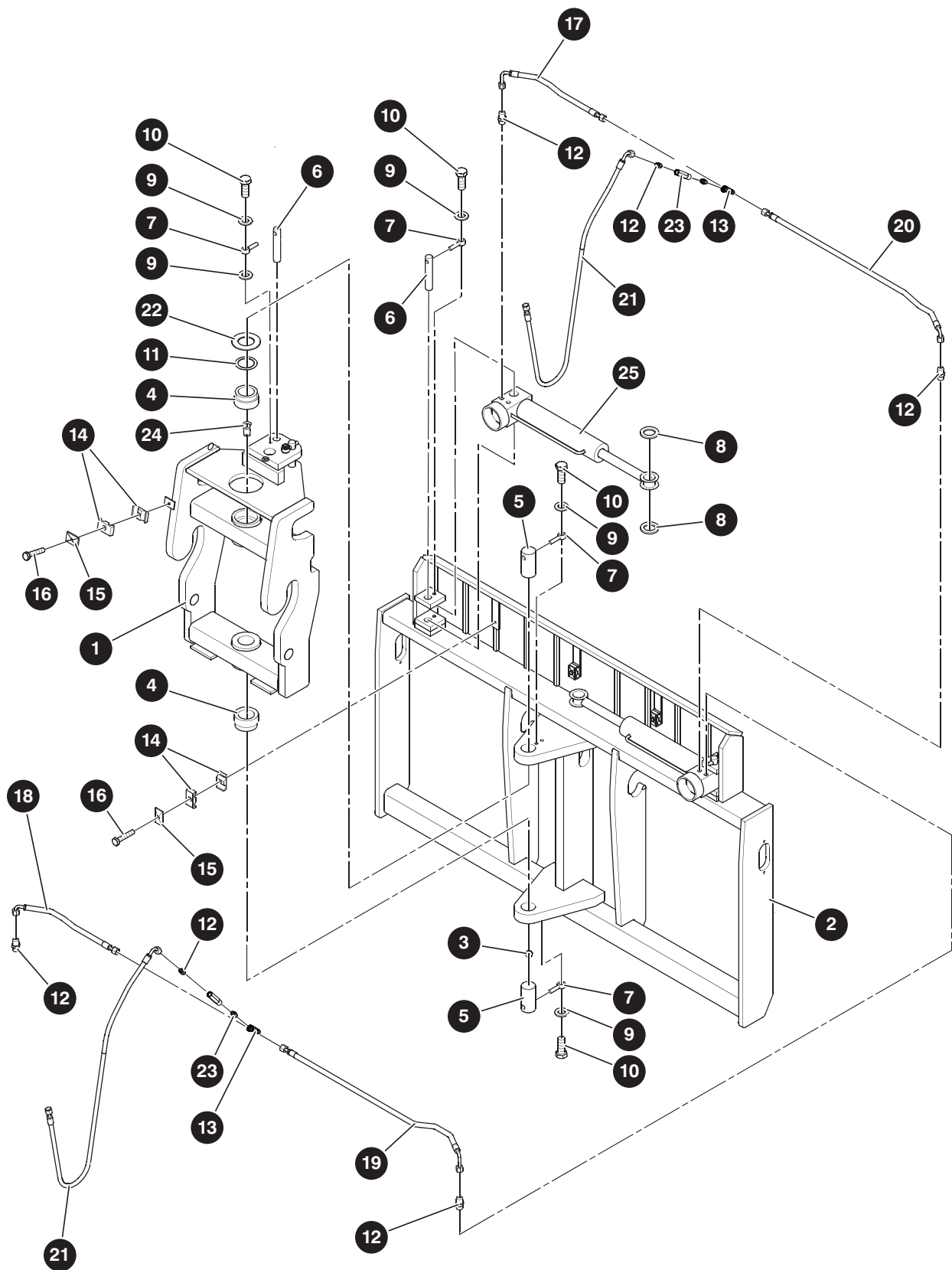


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10.6 72" Swing Carriage Installation

Index No.	Skyjack Part No.	Qty.	Description
-	920341	1	72" SWING CARRIAGE GROUP
1	(Ref.)	1	72" Swing Carriage Assembly (For components, refer to Section 10.7)
2	(Ref.)	1	• BAR, Forks 72" (For components, refer to Section 10.9)
3	933277	2	• Adapter
4	206134	1	• COUPLER, Quick disconnect
5	206135	1	• NIPPLE, Quick disconnect
6	926079	1	• CAP, Quick connect coupler dust
7	926080	1	• CAP, Quick connect nipple dust
8	923563	1	• ASSEMBLY, QA 70mm pin tether

10.7 72" Swing Carriage Components

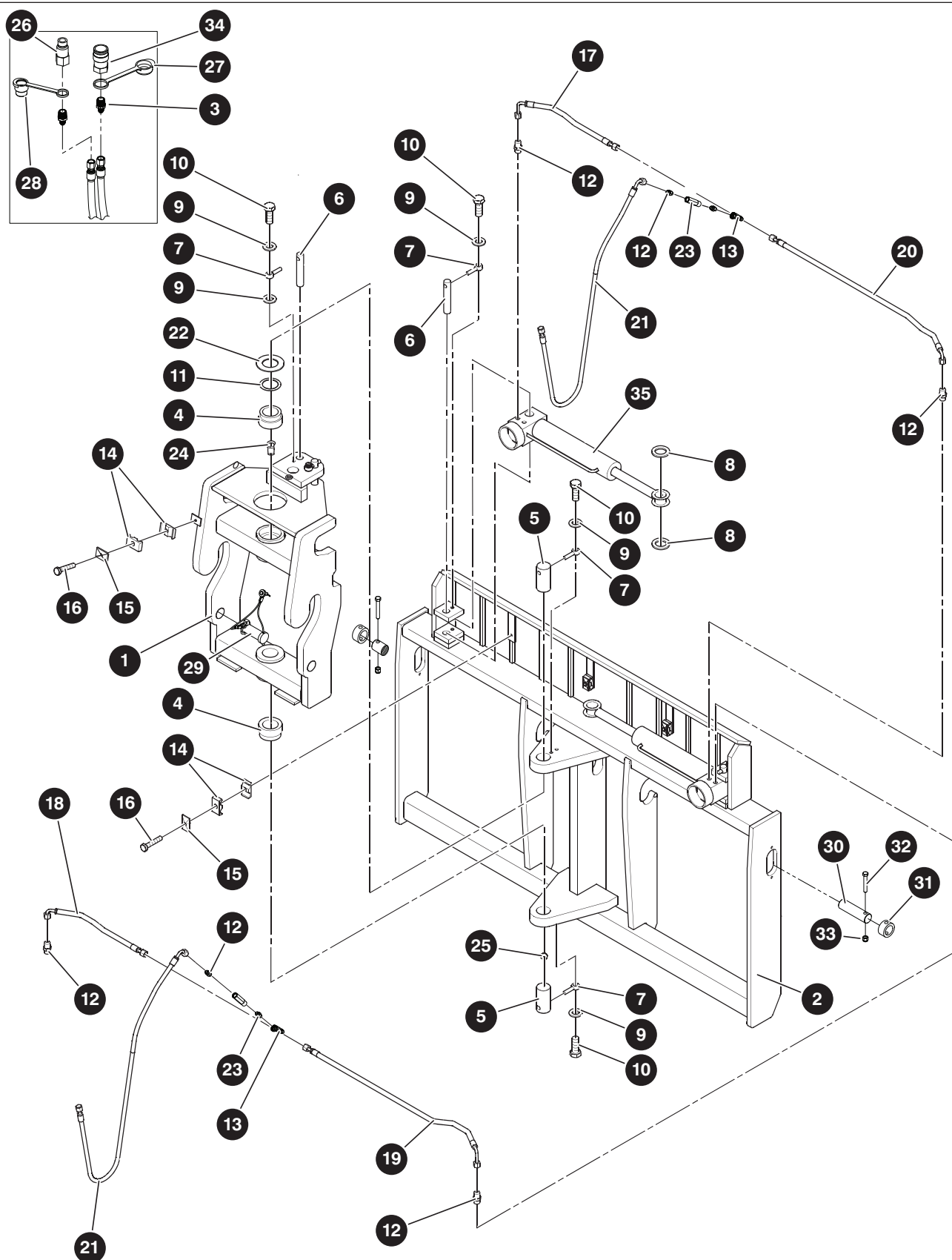


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10.7 72" Swing Carriage Components

Index No.	Skyjack Part No.	Qty.	Description
-	920340	1	ASSEMBLY, SWING CARRIAGE 72"
1	930741	1	• SUPPORT, Carriage
2	930507	1	• Carriage
3	933630	6	• WASHER, Structural M12 hard
4	923668	2	• BEARING
5	930515	2	• PIN
6	930516	4	• PIN
7	931568	6	• ANCHOR
8	932724	4	• WASHER, Flat
9	933817	2	• WASHER, Flat
10	933659	6	• SCREW, Hex head cap M12 x 1.75 x 30 CI 10.9 zinc
11	933516	1	• WASHER, Flat
12	103069	8	• FITTING, Straight connector (6 SAE 37 - 6 ORB)
13	933393	2	• TEE
14	933048	8	• CLAMP, Insert
15	932668	4	• PLATE, Cover
16	933770	4	• SCREW, Hex head cap M8 x 1.25 x 40 CI 8.8 zinc
17	923952	1	• Hose Assembly
18	923950	1	• Hose Assembly
19	923953	1	• Hose Assembly
20	923951	1	• Hose Assembly
21	930742	2	• Hose Assembly
22	931627	1	• WASHER, Thrust
23	920339	2	• VALVE, Flow control
24	933283	2	• FITTING, Grease
25A	255576	2	• CYLINDER, Hydraulic
25B	154882	2	• CYLINDER, Hydraulic
-	255662	1	• • SEAL KIT, A (not shown)
-	162680	1	• • SEAL KIT, B (not shown)
-	199272	1	• • Rod End, B (not shown)
-	162680	2	• • CARTRIDGE, B
-	-	-	Note: For a complete new cylinder, order cylinder A. For service parts, order the parts that match the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.

10.8 72" Swing Carriage (Skyjack)



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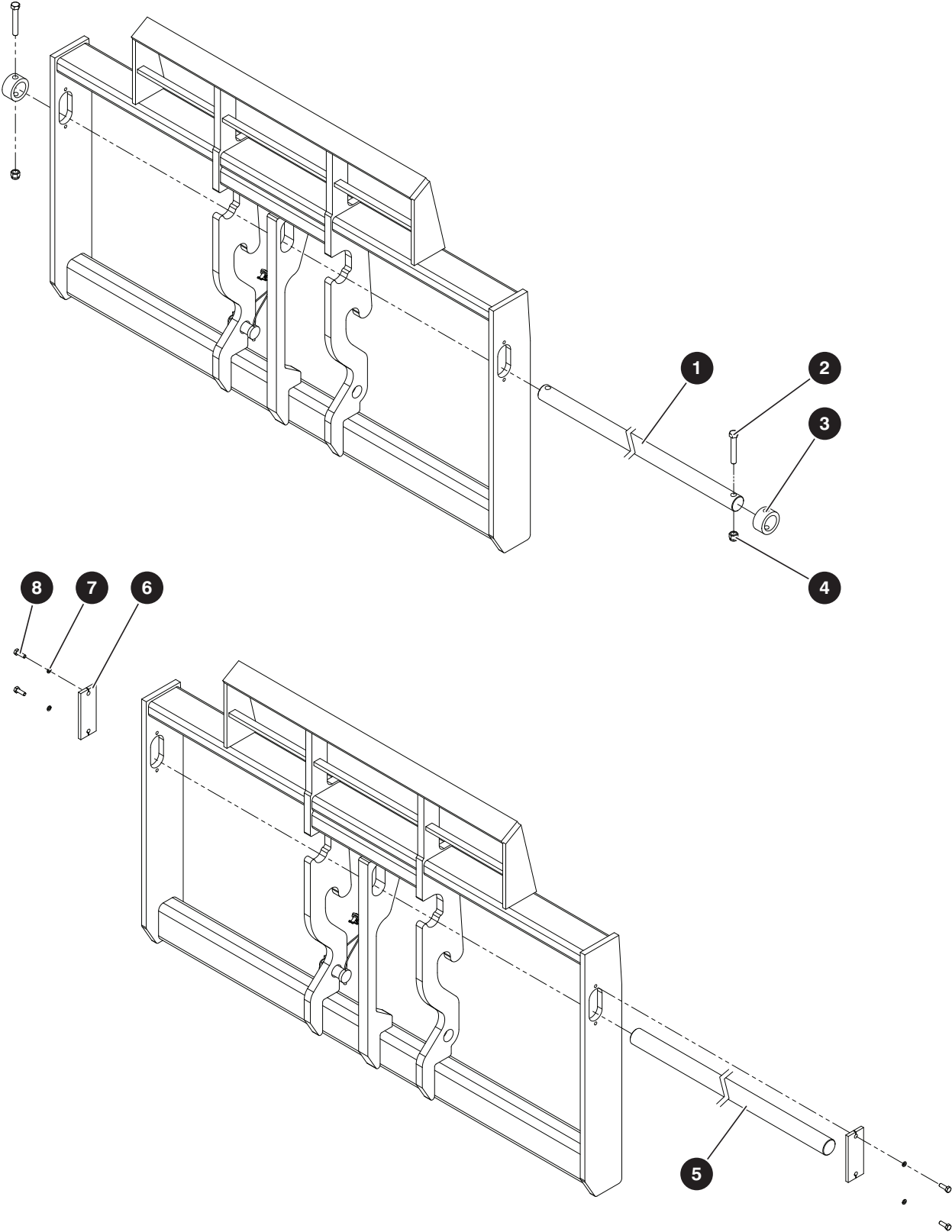
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

10.8 72" Swing Carriage (Skyjack)

Index No.	Skyjack Part No.	Qty.	Description
-	241739	1	ASSEMBLY, SWING CARRIAGE 72"
1	930741	1	• SUPPORT, Carriage
2	241728	1	• WELDMENT, Front carriage 72"
3	103070	2	• Adapter
4	923668	2	• BEARING
5	930515	2	• PIN
6	930516	4	• PIN
7	931568	6	• ANCHOR
8	932724	4	• WASHER, Flat
9	933817	2	• WASHER, Flat
10	933659	6	• SCREW, Hex head cap M12 x 1.75 x 30 CI 10.9 zinc
11	212943	1	• WASHER, Flat
12	103069	8	• FITTING, Straight connector (6 SAE 37 - 6 ORB)
13	933393	2	• TEE
14	933048	8	• CLAMP, Insert
15	932668	4	• PLATE, Cover
16	933770	4	• SCREW, Hex head cap M8 x 1.25 x 40 CI 8.8 zinc
17	923952	1	• Hose Assembly
18	923950	1	• Hose Assembly
19	923953	1	• Hose Assembly
20	923951	1	• Hose Assembly
21	930742	2	• Hose Assembly
22	931627	1	• WASHER, Thrust
23	920339	2	• VALVE, Flow control
24	933283	2	• FITTING, Grease
25	933630	6	• WASHER, Structural M12 hard
26	206135	1	• NIPPLE, Quick disconnect
27	926079	1	• CAP, Quick connect coupler dust
28	926080	1	• CAP, Quick connect nipple dust
29	923563	1	• ASSEMBLY, QA 70mm pin teather
30	199026	1	• BAR, Forks 72" carriage (75-1/2" long)
31	198937	2	• COLLAR, 2" Fork bar
32	192219	2	• BOLT, Hex head 5/8"-11 x 4" grade 8
33	111577	2	• NUT, Lock with nylon insert 5/8"-11 grade 5
34	206134	1	• COUPLER, Quick disconnect
35A	255576	2	• CYLINDER, Hydraulic
35B	154882	2	• CYLINDER, Hydraulic
-	255662	1	• • KIT, Seal, A
-	162680	1	• • KIT, Seal, B
-	199272	1	• • Rod End, B
-	162680	2	• • CARTRIDGE, B
-	-	-	Note: For a complete new cylinder, order cylinder A. For seal kits, order the seal kit that matches the existing cylinder (A or B). Look for the cylinder part number stamped near the base of the barrel.

10.9 Carriage Bar

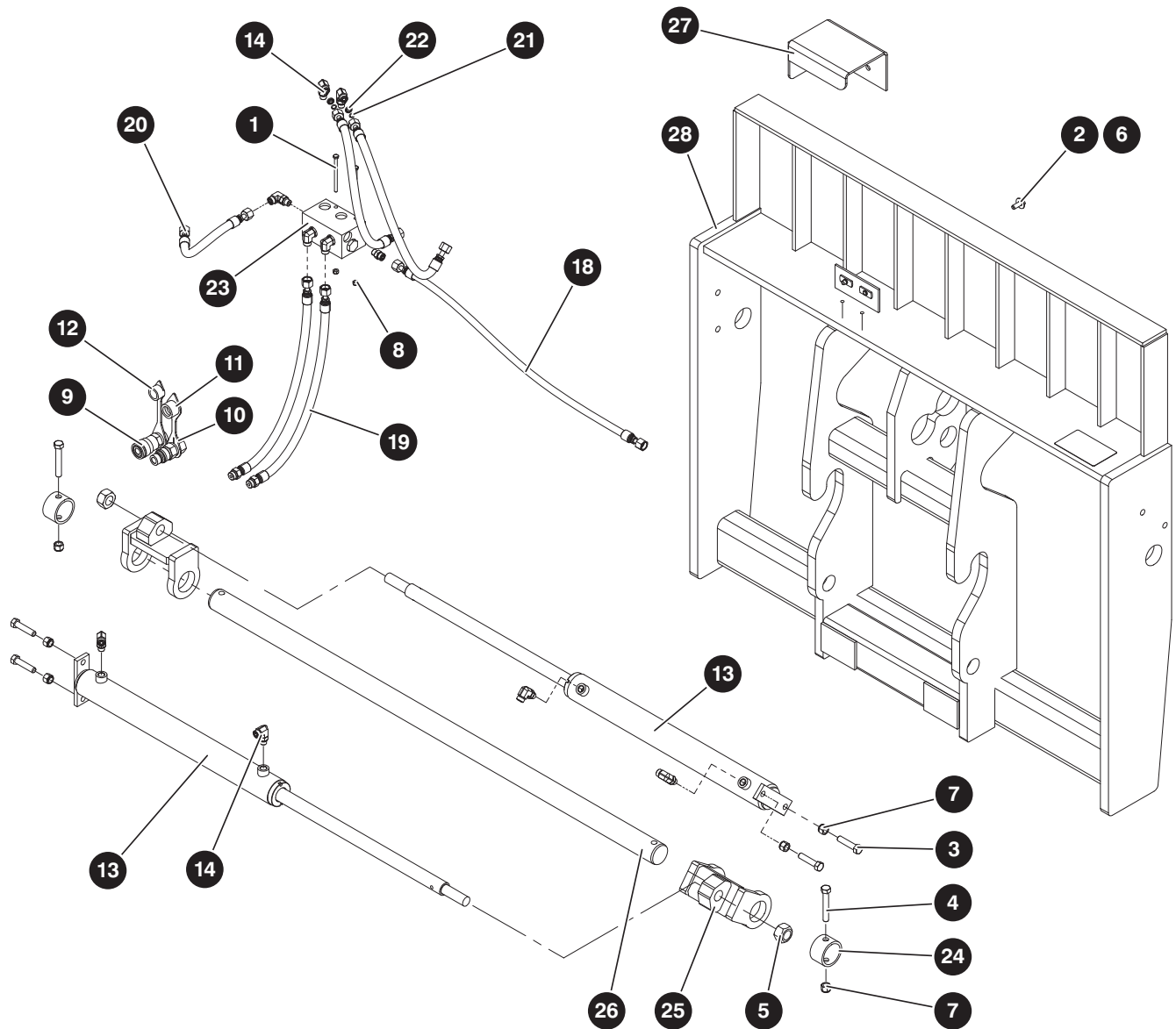


M190456_M930598_M929700_Bars

10.9 Carriage Bar

Index No.	Skyjack Part No.	Qty.	Description
1	198948	1	• BAR, Forks 48" carriage (51-1/2" long)
	199023	1	• BAR, Forks 60" carriage (63-1/2" long)
	199026	1	• BAR, Forks 72" carriage (75-1/2" long)
	199418	1	• BAR, Forks Side tilt Load 72" carriage (77" long)
2	192219	2	• BOLT, Hex head 5/8"-11 x 4" grade 8
3	198937	2	• COLLAR, 2" Fork bar
4	111577	2	• NUT, Lock with nylon insert 5/8"-11 grade 5
5	924110	1	• BAR, Forks 48" carriage (47-3/4" long)
	924109	1	• BAR, Forks 60" carriage (53/4" long)
	924108	1	• BAR, Forks 72" carriage (71-3/4" long)
	921630	1	• BAR, Forks Side tilt Load 72" carriage
6	931425	2	• PLATE
7	116218	4	• WASHER, Lock M8 plated DIN 127B
8	933634	4	• BOLT, Hex head cap M10 X 1.5 X 30mm CL 8.8YE

10.10 Forks Positioner Carriage

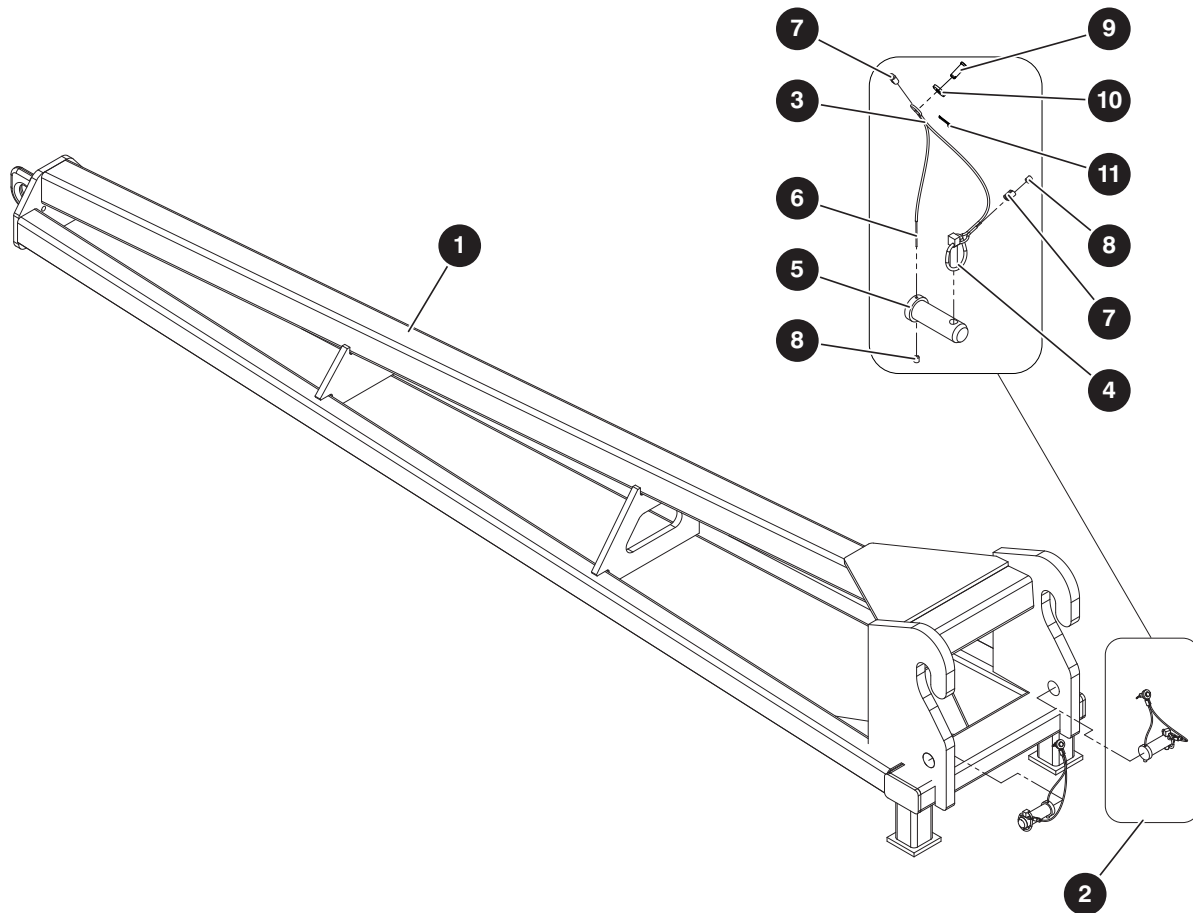


M206173AB

10.10 Forks Positioner Carriage

Index No.	Skyjack Part No.	Qty.	Description
-	206173		FORK POSITIONER CARRIAGE
1	137616	2	BOLT, Hex head 1/4"-20 UNC x 3-3/4"
2	103473	2	BOLT, Hex head 3/8"-16 UNC x 1" GR5
3	103902	4	BOLT, Hex head 1/2"-13 x 2-1/4"
4	103469	2	CAPSCREW, Hex 1/2" x 3-1/4" GR5
5	216710	2	NUT, 1"-14 UNS deformed hex
6	929495	2	WASHER, Flat, 3/8"
7	702507	6	NUT, Lock with nylon insert, 1/2-13 UNC
8	115649	2	NUT, Lock with nylon insert, 1/4"-20 UNC
9	206134	1	COUPLING, Quick disconnect - female 1/2"
10	206135	1	COUPLING, Quick disconnect - male 1/2"
11	926080	1	DUST CAP, Quick connect
12	926079	1	DUST CAP, Quick connect coupler
13	216717	2	CYLINDER, 2.00 x 1.25 x 18.25
14	216718	9	ELBOW, 6MFS-6MBO
15	216719	1	CONNECTOR, STR, 6MBO-6MFS
16	216720	1	HOSE, .38 x 24 6FFS-6FFS 100R2AT
17	216721	1	HOSE, .38 x 21 6FFS-6FFS 100R17
18	216722	1	HOSE, .38 x 37 6FFS-6FFS 100R2AT HS
19	216723	2	HOSE, .38 x 66 6FFS-8MB 100R2AT HS
20	216724	1	HOSE, .38 x 16 6FFS-6FFS 4K
21	216725	2	O-RING, 2-012
22	216726	2	ORIFICE .039 DIA
23	216727	1	VALVE FLOW DIVIDER W/PO CHECK
24	198937	2	COLLAR, 2.00" ROD
25	216728	2	ADAPTER, FORK, 2" SHAFT
26	216729	1	PIN, FORK, 2.00 x 56.25 DRILLED
27	216730	1	PLATE, BENT, .19 x 10.95 x 12.23
28	216731	1	FRAME, 53" FORK POSITIONER

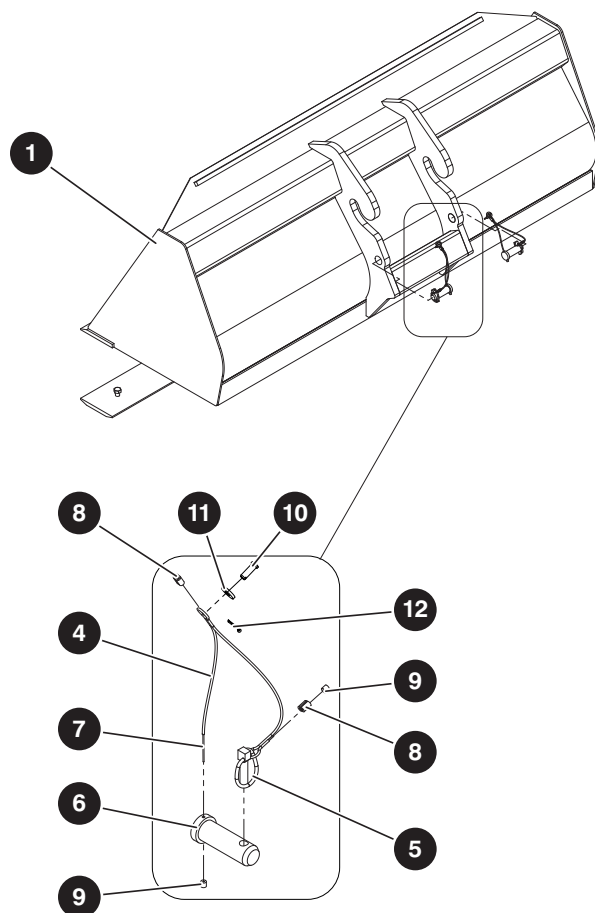
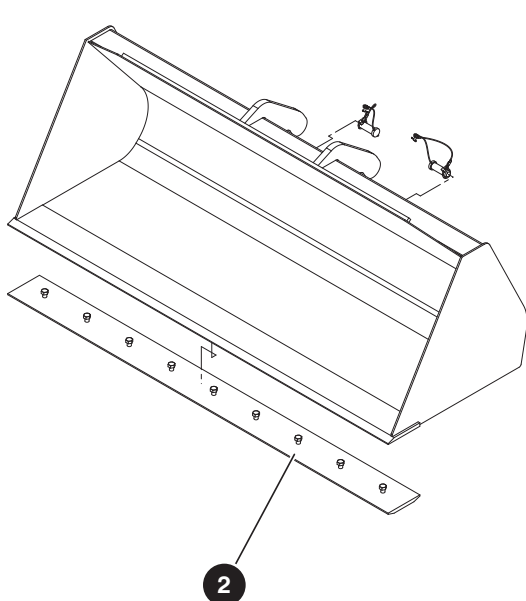
10.11 Truss Boom 12' and 15'



M927448AB

Index No.	Skyjack Part No.	Qty.	Description
A	927448	1	BOOM GROUP, 12 FOOT TRUSS
B	920337	1	BOOM GROUP, 15 FOOT TRUSS
1	928825	1	• BOOM, 12 foot Truss - A
	920269	1	• BOOM, 15 foot Truss - B
2	923563	1	• ASSEMBLY, Tether pin 70 mm Quick Attach
3	923560	2	• • ASSEMBLY, Tether pin 70 mm
4	923135	1	• • • PIN, Lynch 7/16" X 1-3/4" long
5	923169	1	• • • PIN, Quick attach
6	923555	1	• • • Tether, Vinyl coated 22.5"
7	923558	2	• • • CLAMP, 1/8" oval compression sleeve
8	923559	2	• • • CLAMP, Stop compression sleeve
9	932646	2	• • PIN, Clevis
10	933735	2	• • WASHER, M10
11	933615	2	• • PIN, Cotter

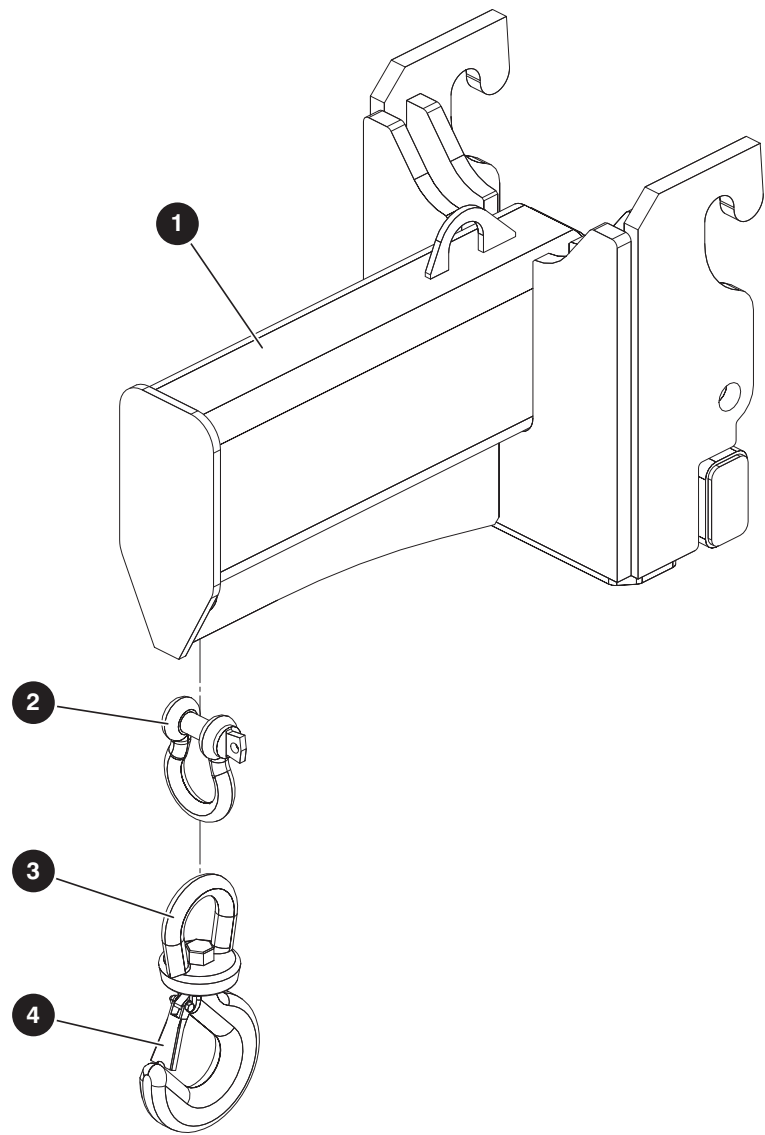
10.12 Loader Bucket



M927450AC

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

10.13 2' Jib Boom



M61103AA

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

Section 11 – Factory Options

11.1 *Outriggers Hydraulics*

11.2 *Outriggers Assembly*

11.3 *Outrigger Manifold*

11.4 *Boom Lights Installation*

11.5 *Boom Lights Harness*

11.6 *Work Light Kit*

11.7 *Work Light Harness*

11.8 *Road Lights Assembly*

11.9 *Road Light Front & Rear Harness*

11.10 *Oil Quick Drain*

11.11 *Air Intake Shut Off*

11.12 *Positive Air Shut Off Harness*

11.13 *Remote Axle Grease*

11.14 *Reserve Brake*

11.15 *Cold Weather Package*

11.16 *4 Wheel Fender Assembly*

11.17 *Beacon Light Assembly*

11.18 *Pintle Hook Installation*

11.19 *Fire Extinguisher*

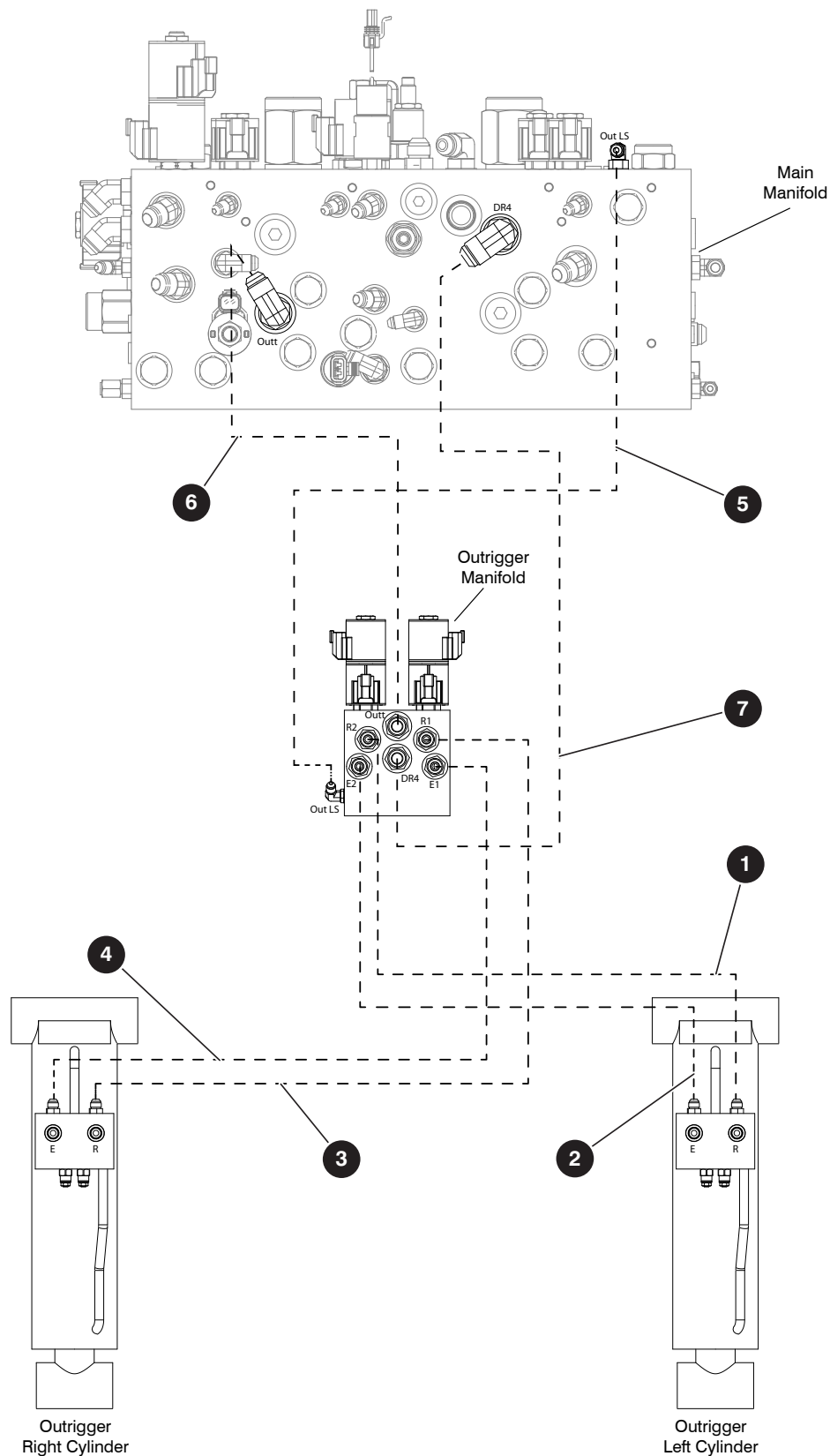
11.20 *Back up Camera and Sensor*

11.21 *Back up Sensor*

11.22 *Elevate Telematics*

11.23 *Elevate Telematics Harness*

11.1 Outriggers Hydraulics



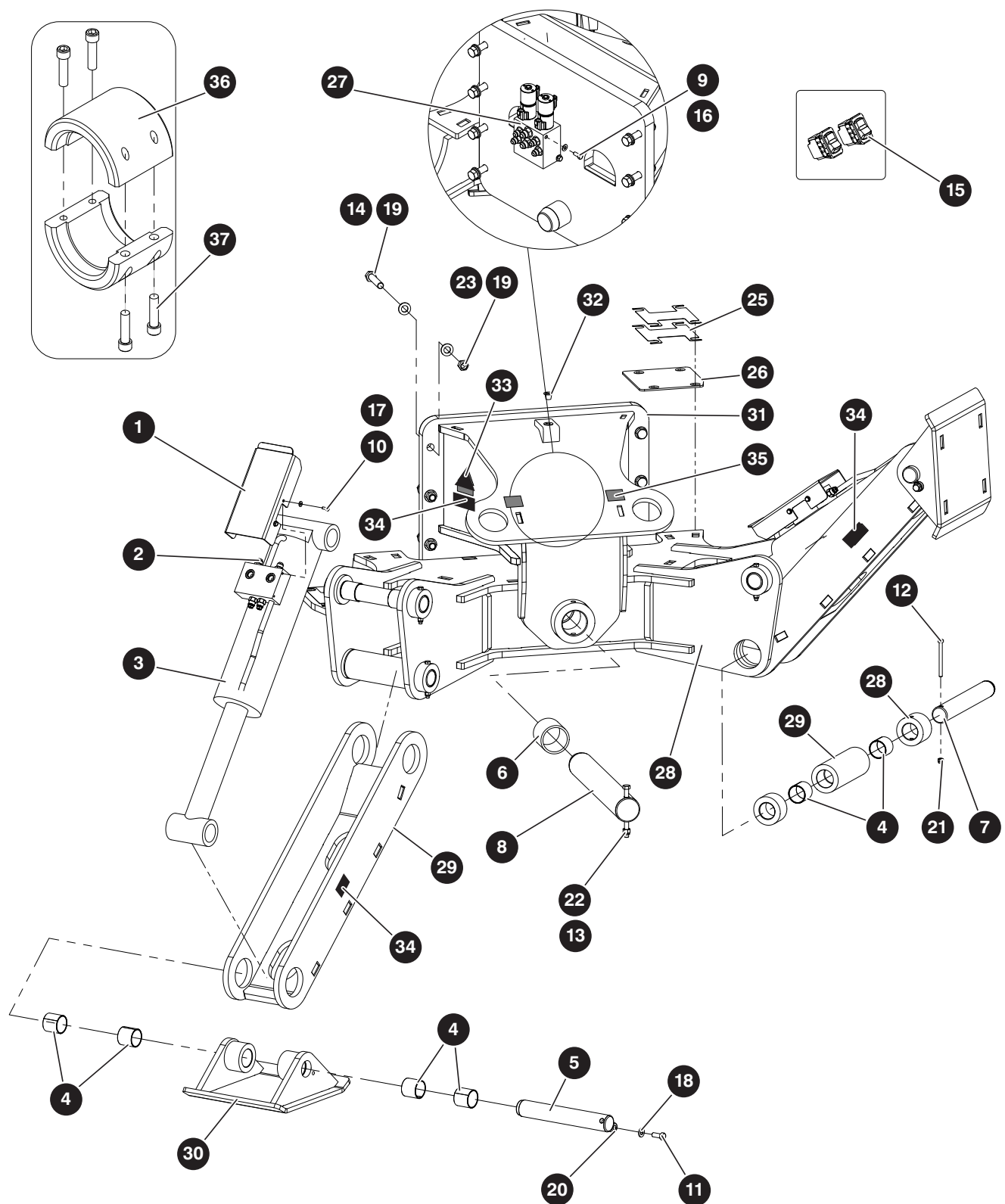
M190067AD

11.1 Outriggers Hydraulics

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H340800690	Outrigger manifold	R2	R	LH Outrigger cylinder
2	H340800690	Outrigger manifold	E2	E	LH Outrigger cylinder
3	H340800690	Outrigger manifold	R1	R	RH Outrigger cylinder
4	H340800690	Outrigger manifold	E1	E	RH Outrigger cylinder
5	H310401460	Main manifold	Outt LS	Outt LS	Outrigger manifold
6	H321001310	Main manifold	Outt	Outt	Outrigger manifold
7	H321001350	Main manifold	DR4	DR4	Outrigger manifold

Index No.	Skyjack Part No.	Qty.	Description
A	190067	1	OUTRIGGER GROUP 1056
B	199890	1	OUTRIGGER GROUP 1044
-	191834	1	• HOSE SUBGROUP, Outriggers
-	131732	180"	• • SLEEVE, Nylon Hose Protection, HG-46
-	(Ref).	1	• SUBGROUP, TH outriggers (For components, refer to Section 11.2)
-	(Ref).	1	• SUBGROUP, Outriggers decals (For components, refer to Section 11.2)

11.2 Outriggers Assembly

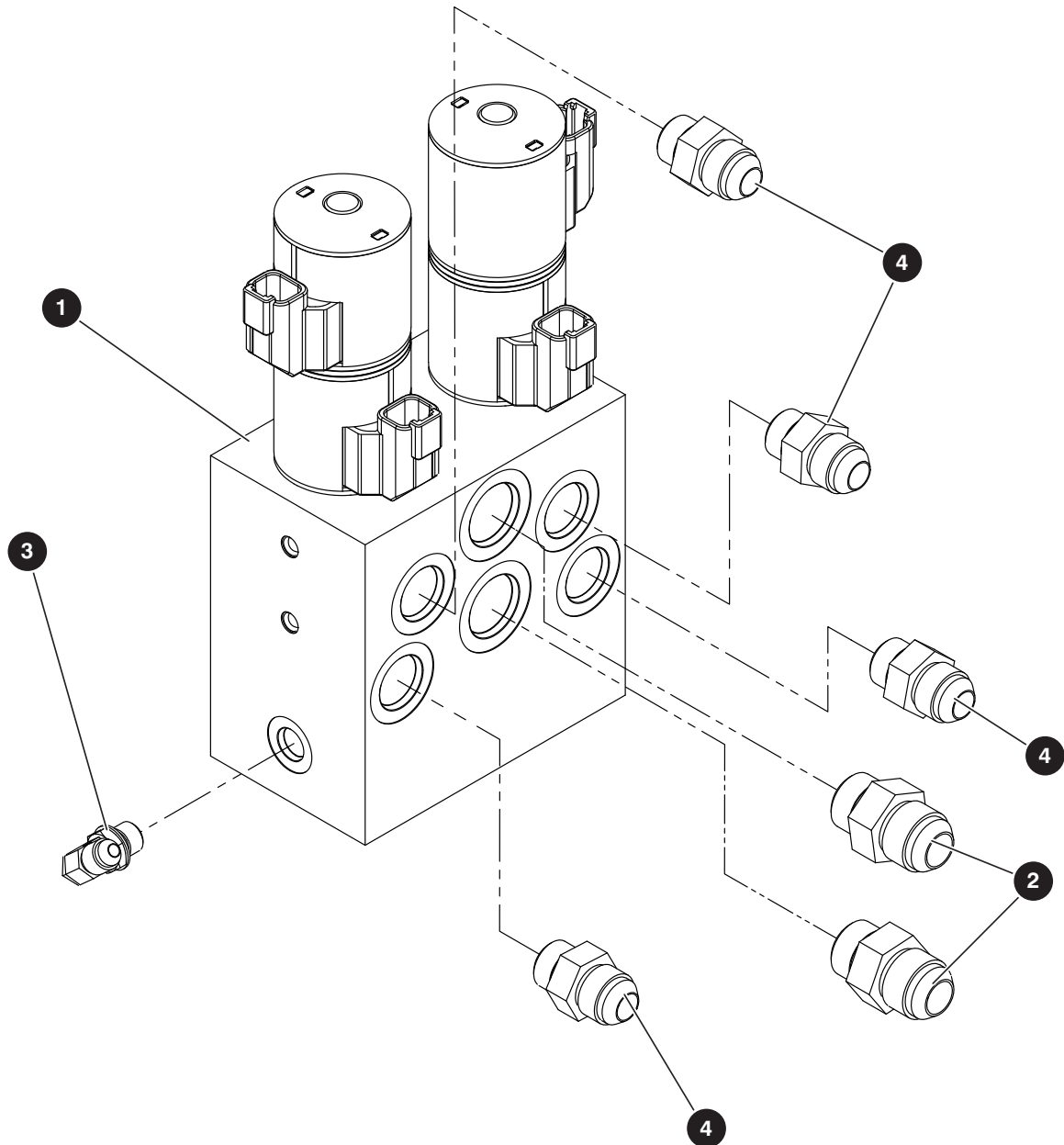


M199890AD

11.2 Outriggers Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	191136	-	SUBGROUP, VR OUTRIGGERS
1	191179	2	• COVER, Cylinder guard
2	102659	4	• FITTING, Straight (08JICM0 - 8ORBM)
3	(Ref.)	2	• CYLINDER, TH outriggers <i>(For components, refer to Section 8.8)</i>
4	148817	8	• BUSHING - CJS 3232 (2" ID x 2" LG)
5	191139	2	• PIN, Ø 2" X 13" long
6	191144	2	• BEARING, 3" ID x 3.5" OD x 3.5" long
7	191138	4	• PIN, Ø 2" x 13-7/8" long
8	191145	1	• PIN, Ø 3" X 22-1/2" long
9	300437	2	• BOLT, Hex head 3/8"-16 x 7/8" grade 5
10	103892	8	• BOLT, Hex head 1/4"-20 x 5/8" grade 5
11	103910	2	• BOLT, Hex head 1/2"-13 x 1-1/4" grade 8
12	123708	4	• BOLT, Hex head 3/8"-16 x 4-1/4" grade 5
13	128845	1	• BOLT, Hex head 1/2"-13 x 6" grade 8
14	191836	8	• BOLT, Hex head 3/4"-10 X 4-1/4" grade 8 zinc
15	191458	2	• SWITCH, Outriggers
16	125959	2	• WASHER, Flat 3/8" hard
17	103995	8	• WASHER, Flat 1/4" SAE
18	104379	2	• Washer Flat 1/2" Hard
19	702194	16	• WASHER, Flat 3/4" hard
20	191232	2	• PIN, Anchor
21	104606	4	• NUT, Lock 3/8"-16 grade 5 - nylon insert
22	702507	1	• NUT, Lock 1/2"-13 grade 5 - nylon insert
23	700575	8	• NUT, Lock 3/4"-10 grade C"
24	190369	1	• HARNESS, Outrigger 10k (Not Shown)
25	212651	10	• SHIM, Axle mount
26	198895	2	• PLATE Spacer, axle mount
27	(Ref.)	1	• ASSEMBLY, Outrigger manifold <i>(For components, refer to Section 11.3)</i>
28	191147	1	• WELDMENT, Outrigger pivot base
29	191148	2	• WELDMENT, Outrigger link
30	191149	2	• WELDMENT, Outrigger foot
31	191146	1	• WELDMENT, Outrigger clevis mount
32	144105	1	• PLUG, 3/4" Threaded hole
-	199968	1	SUBGROUP, OUTRIGGERS DECALS
33	137988	2	• LABEL, Crush/pinch hazard pictorial
34	139314	4	• LABEL, Body crush pictorial
35	157528	2	• LABEL, Tie down
-	209257	1	ASSEMBLY, CYLINDER SHAFT COLLAR (SJ1044 TH ONLY)
36	209255	2	• COLLAR, Cylinder
37	103938	4	• SCREW, Socket Head 3/8"-16 x 1-1/2"

11.3 Outrigger Manifold

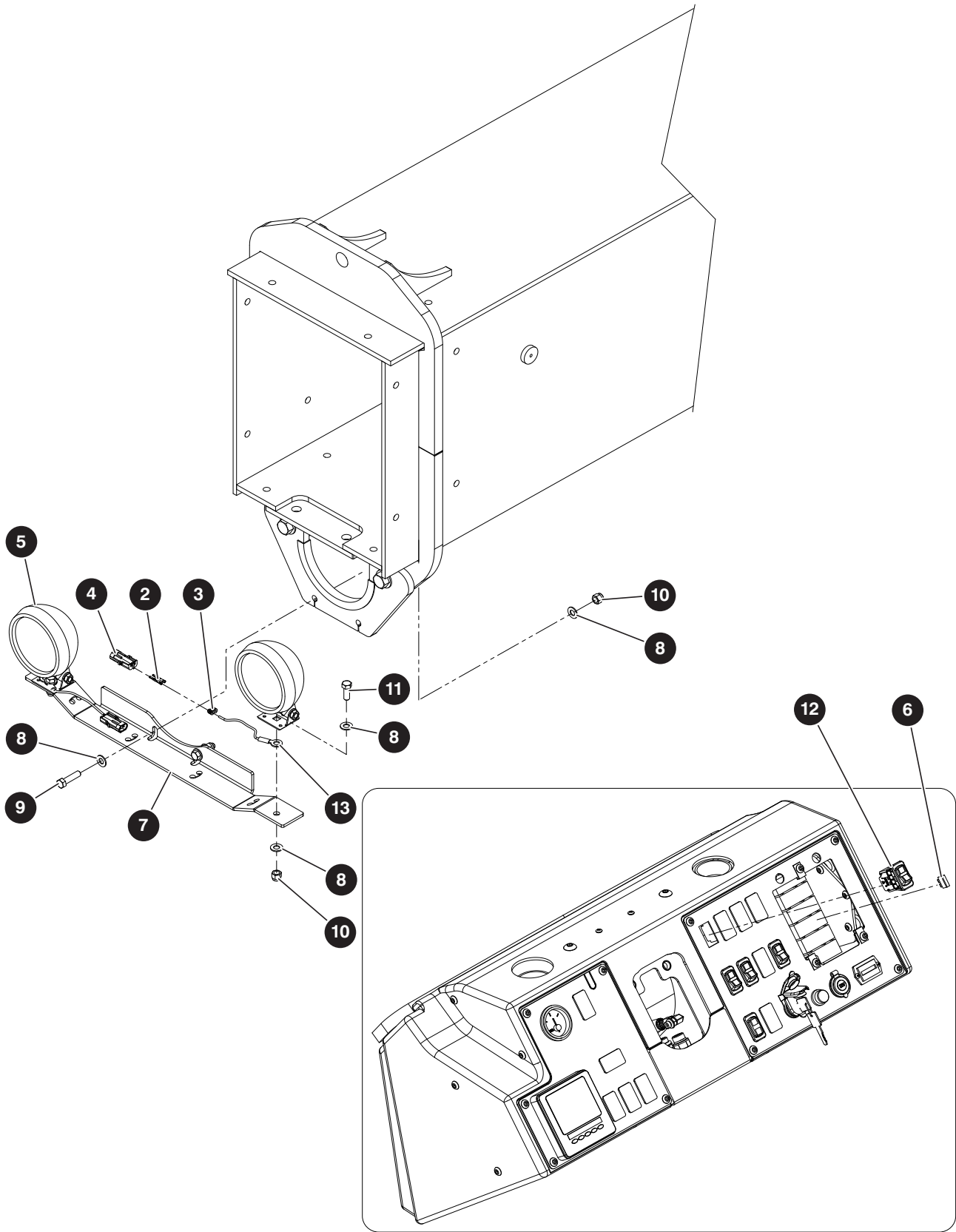


M191835AA

11.3 Outrigger Manifold

Index No.	Skyjack Part No.	Qty.	Description
-	191835	-	ASSEMBLY, OUTRIGGER MANIFOLD
1	169034	1	• MANIFOLD, Outrigger VR 1044 & 1056
	191797	2	• VALVE, Solenoid 5W3P
	159822	4	• • COIL
	191806	2	• VALVE, Check
2	137630	2	• FITTING, (10 ORBM - 10 JICM)
3	125883	1	• FITTING, 90° (04 JICM - 04 ORBM)
4	102659	4	• FITTING, Straight (08 JICM - 08 ORBM)

11.4 Boom Lights Installation

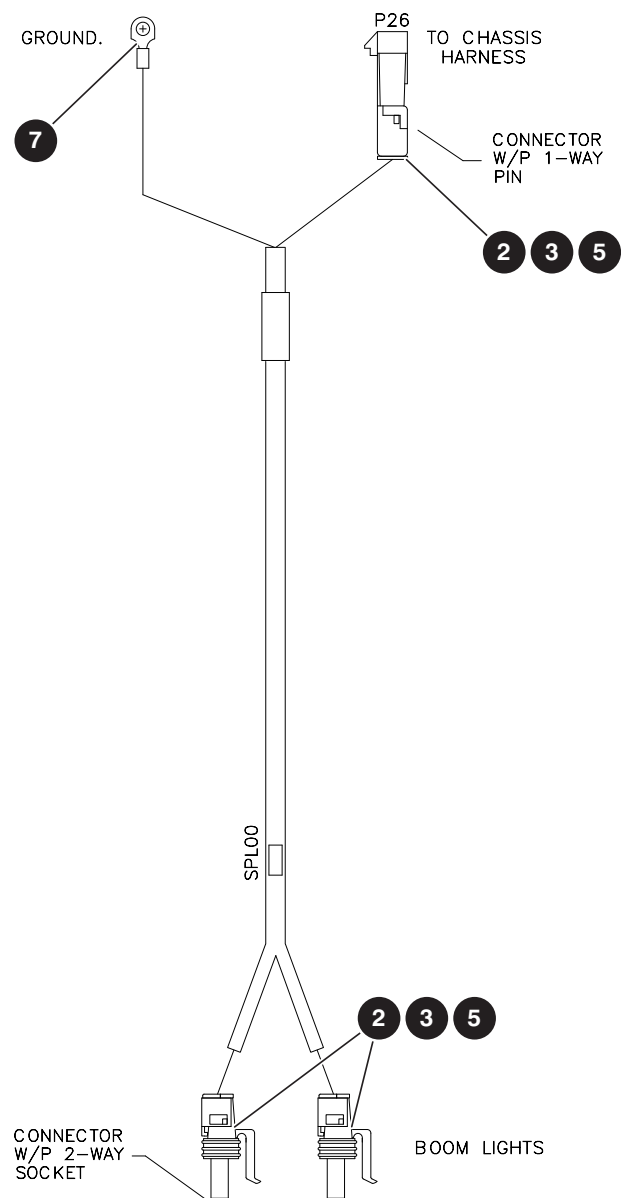


M197109AC

11.4 Boom Lights Installation

Index No.	Skyjack Part No.	Qty.	Description
-	197109	1	ASSEMBLY, BOOM LIGHTS
1	(Ref.)	1	HARNESS, Boom light (Not Shown) <i>(For components, refer to Section 11.5)</i>
2	932899	2	CONNECTOR
3	932898	4	SEAL, Cable (packard connection)
4	932897	4	PIN, Male (packard connector)
5	407592	2	HEAD LIGHT, Halogen
6	156203	1	FUSE, 10A
7	209359	1	BRACKET, Boom light
8	103472	9	WASHER, 13/32" ID X 13/16" OD X 1/16" zinc
9	103870	2	BOLT, Hex head 3/8"-16 X 1-1/2" grade 5
10	104606	5	NUT, Lock with nylon insert 3/8"-16 grade 5
11	103473	2	BOLT, Hex head 3/8"-16 X 1" grade 5
12	191455	1	SWITCH, Rocker
13	152136	2	WIRE, Work light ground
14	197110	1	INSTRUCTIONS, Boom lights installation (Not Shown)

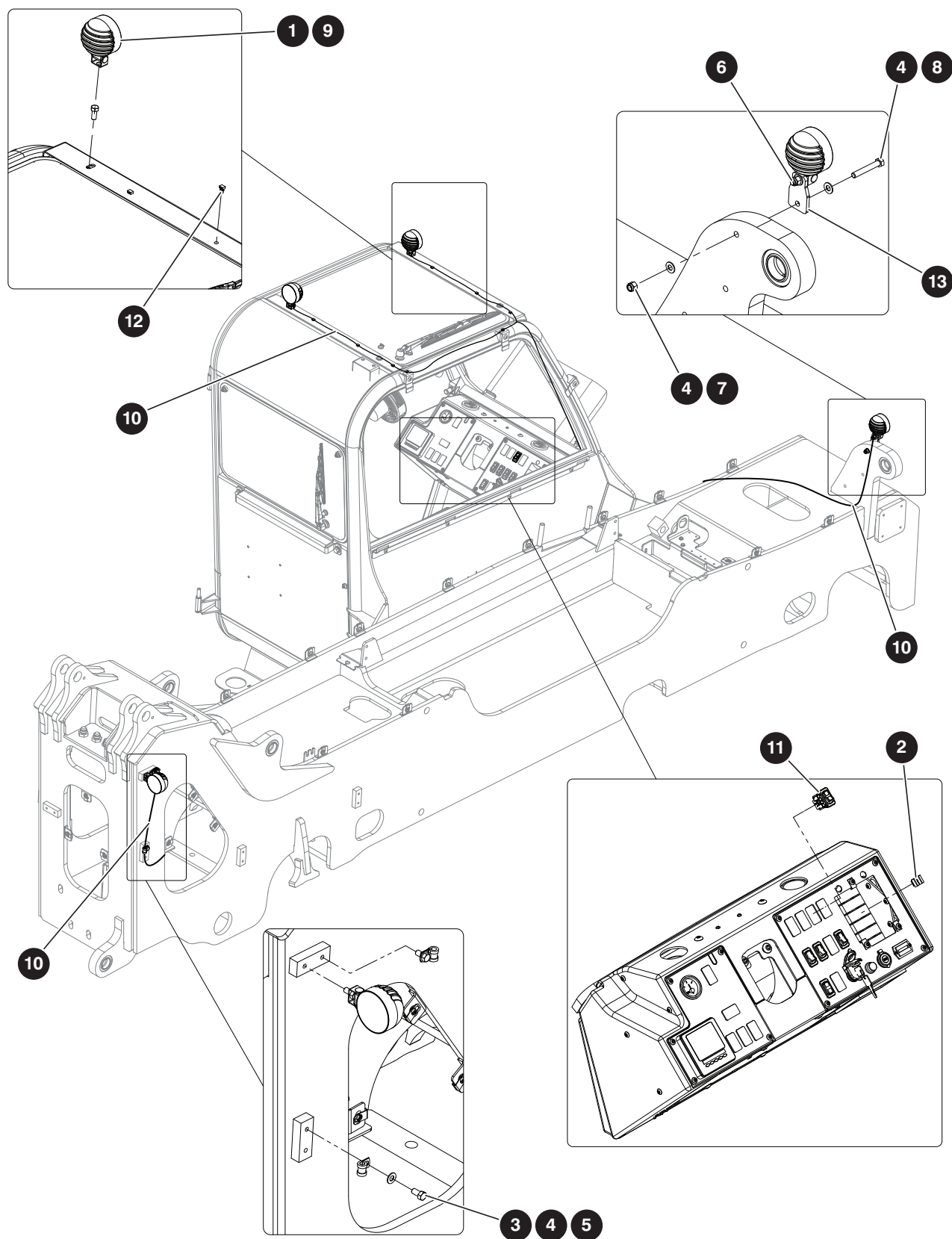
11.5 Boom Lights Harness



Index No.	Skyjack Part No.	Qty.	Description
-	190288	1	HARNESS, BOOM LIGHTS HARNESS
1	124036	2	CONNECTOR, 2F W/P
2	156106	1	CONNECTOR ,1M W/P
3	156116	2	TERMINAL, Male sealed (3.0-2.0 mm2), W/P
4	156137	4	TERMINAL, Female sealed (2.0-1.0 mm2), W/P
5	156147	2	WIRE, Seal gray (3.5-2.8 mm), 280 M/P
6	124369	4	WIRE, Seal green (2.2.0 mm), 280 M/P
7	108172	1	TERMINAL, 3/8" Ring vinyl-ins yellow (12-10AWG)

 **Notes**

11.6 Work Light Kit

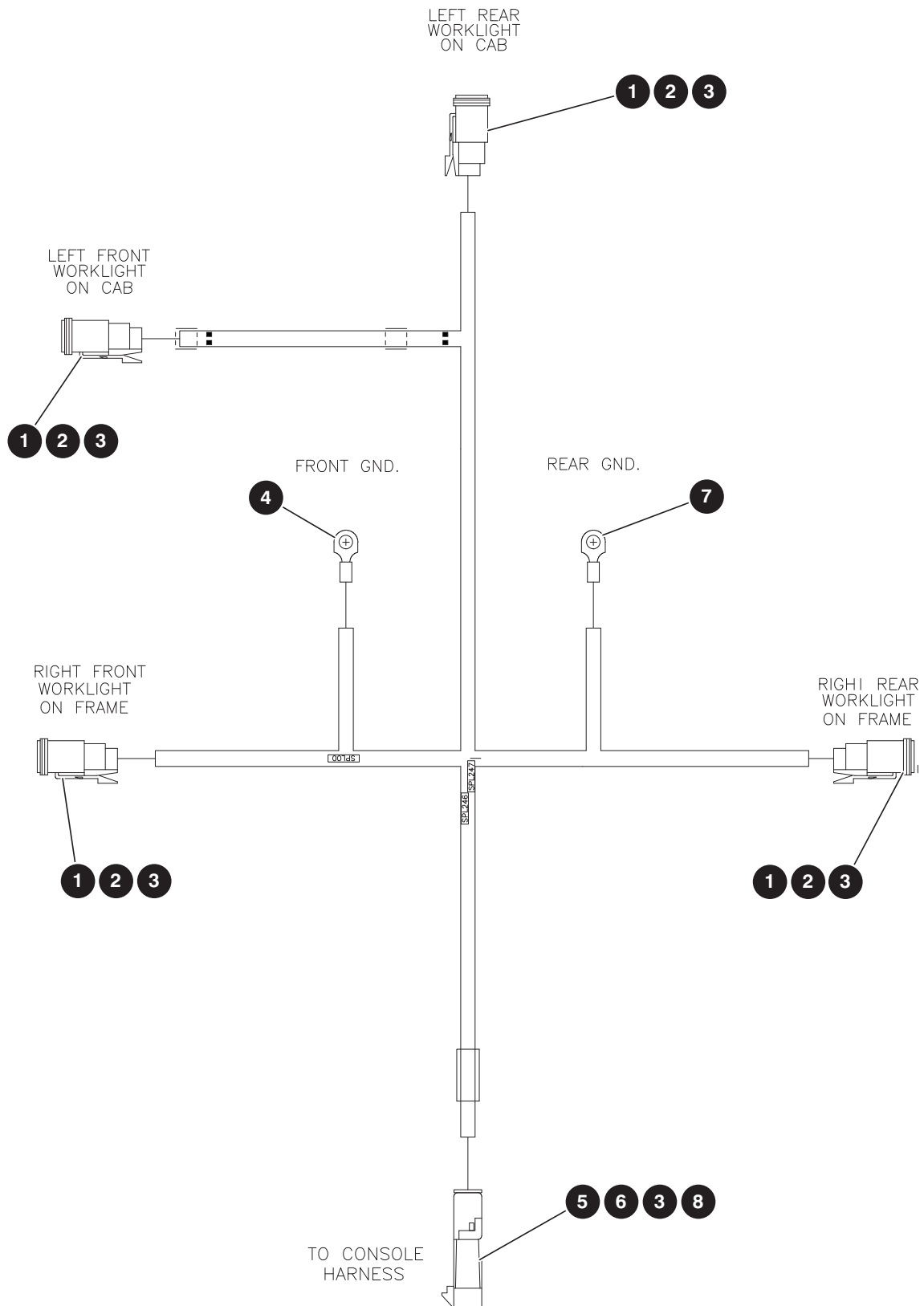


M191603AB-2

11.6 Work Light Kit

Index No.	Skyjack Part No.	Qty.	Description
-	197107	1	ASSEMBLY, WORK LIGHTS
1	171888	4	• LAMP, Work lamp
2	156203	1	• FUSE, 10A
3	931964	2	• CLAMP, Tube 3/8"
4	103472	6	• WASHER, Flat 3/8" SAE
5	101632	3	• BOLT, Hex head 3/8"-16 X 3/4" grade 5
6	103473	1	• BOLT, Hex head 3/8"-16 X 1" grade 5
7	104606	3	• NUT, Lock with nylon insert 3/8"-16 grade 5
8	103873	1	• BOLT, Hex head 3/8"-16 X 2-1/2" grade 5
9	300437	2	• BOLT, Hex head 3/8"-16 X 7/8" grade 5
10	(Ref.)	1	• HARNESS, Work light <i>(For components, refer to Section 11.7)</i>
11	191457	1	• SWITCH, 4 wheel/crab-turn-work light
12	191865	8	• PUSH MOUNT 1/4"
13	190597	1	• PLATE, Light mount
14	197108	1	• INSTRUCTIONS, Work lights installation

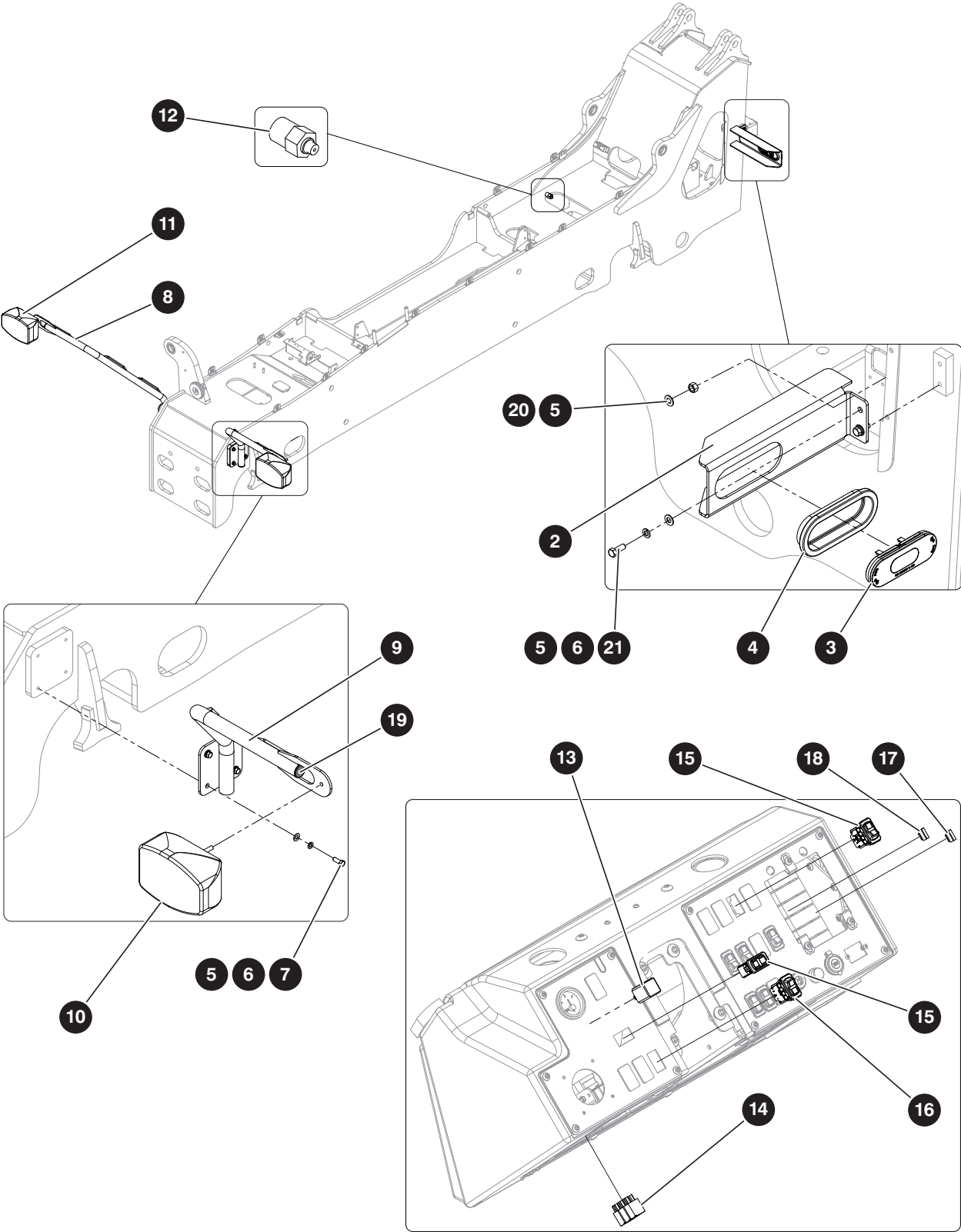
11.7 Work Light Harness



M190231AB

Index No.	Skyjack Part No.	Qty.	Description
-	190231	1	ASSEMBLY, WORK LIGHT HARNESS
1	117597	4	• CONNECTOR, Plug 2-pin
2	117599	4	• CONNECTOR, Plug 2-pin wedge
3	117591	10	• CONNECTOR, Contact socket (16/18 GA)
4	108172	1	• TERMINAL, 3/8" Ring (12-10 AWG)
5	156113	1	• CONNECTOR, 3M W/P
6	156139	2	• TERMINAL, Male sealed (2.0-1.0 mm ²), W/P
7	102941	1	• TERMINAL, 3/8" ring (14-16AWG)
8	156104	1	• PLUG CAVITY, 1W M/P 280 & W/P

11.8 Road Lights Assembly

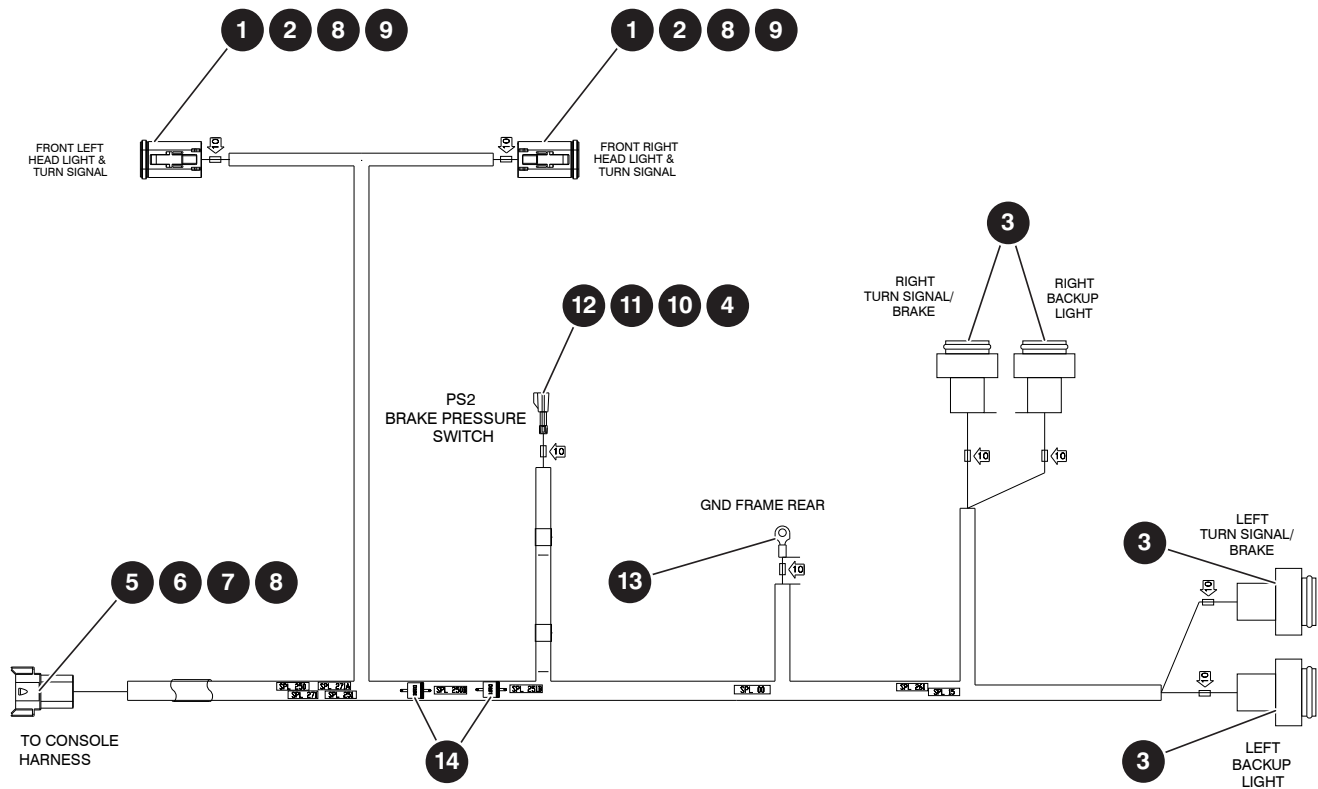


M190090AC

11.8 Road Lights Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	197105	1	ASSEMBLY, ROAD LIGHTS GROUP
1	(Ref.)	1	• HARNESS, Road light front & rear (Not Shown)
2	191488	2	• BRACKET, Road light mount
3	190578	2	• LIGHT, Stop / tail / turn / backup
4	191758	2	• GROMMET, Oval lamp
5	103472	13	• WASHER, Flat 3/8" SAE
6	103999	12	• WASHER, Lock 3/8"
7	103473	8	• BOLT, Hex head 3/8"-16 x 1" grade 5
8	196304	1	• WELDMENT, Road light RH
9	196213	1	• WELDMENT, Road light LH
10	190596	1	• LIGHTS, Road front LH
11	196380	1	• LIGHTS, Road front RH
12	927724	1	• SWITCH, Brake light
13	925386	1	• FLASHER
14	233301	3	• RELAY
15	191457	2	• SWITCH, 4 Wheel/crab-turn-work light
16	191455	1	• SWITCH, Rocker
17	156202	1	• FUSE, 5A
18	156204	1	• FUSE, 15A
19	191903	4	• PLUG, Plastic 1-1/4" tube ID
20	104606	1	• NUT, Lock with nylon insert 3/8"-16 Grade 5
21	101632	4	• BOLT, Hex head 3/8"-16 x 3/4" Grade 5
22	197106	1	• INSTRUCTIONS, Road lights installation (not shown)

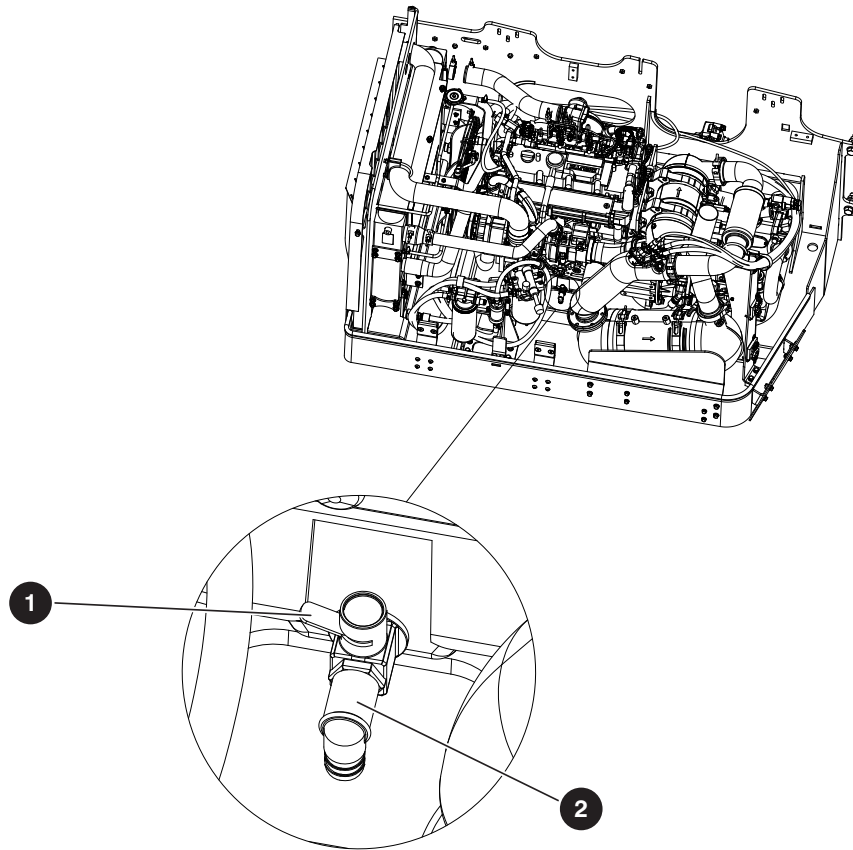
11.9 Road Light Front & Rear Harness



M190595AA

Index No.	Skyjack Part No.	Qty.	Description
-	190595	1	HARNESS, ROAD LIGHT FRONT & REAR
1	156180	2	CONNECTOR, 6F DT
2	156194	2	WEDGE, Plug
3	170479	4	ADAPTER, Plug
4	156120	2	TERMINAL, Male (1.0-0.8 mm ²), 280 M/P
5	117586	1	CONNECTOR, Receptacle 12-pin
6	117588	1	CONNECTOR, Receptacle 12-pin wedge
7	117590	9	CONNECTOR, Contact pin 16-18
8	117594	7	SEALING, Plug
9	117591	8	SOCKET (16-18 AWG), Solid
10	156144	1	CONNECTOR, 2m 280 M/P
11	156145	1	TPA, 2W 280 M/P
12	124369	2	WIRE SEAL, Green (2.2.0 mm), 280 M/P
13	108172	1	TERMINAL, 3/8" ring (12-10 AWG)
14	102921	2	DIODE, T6A40L

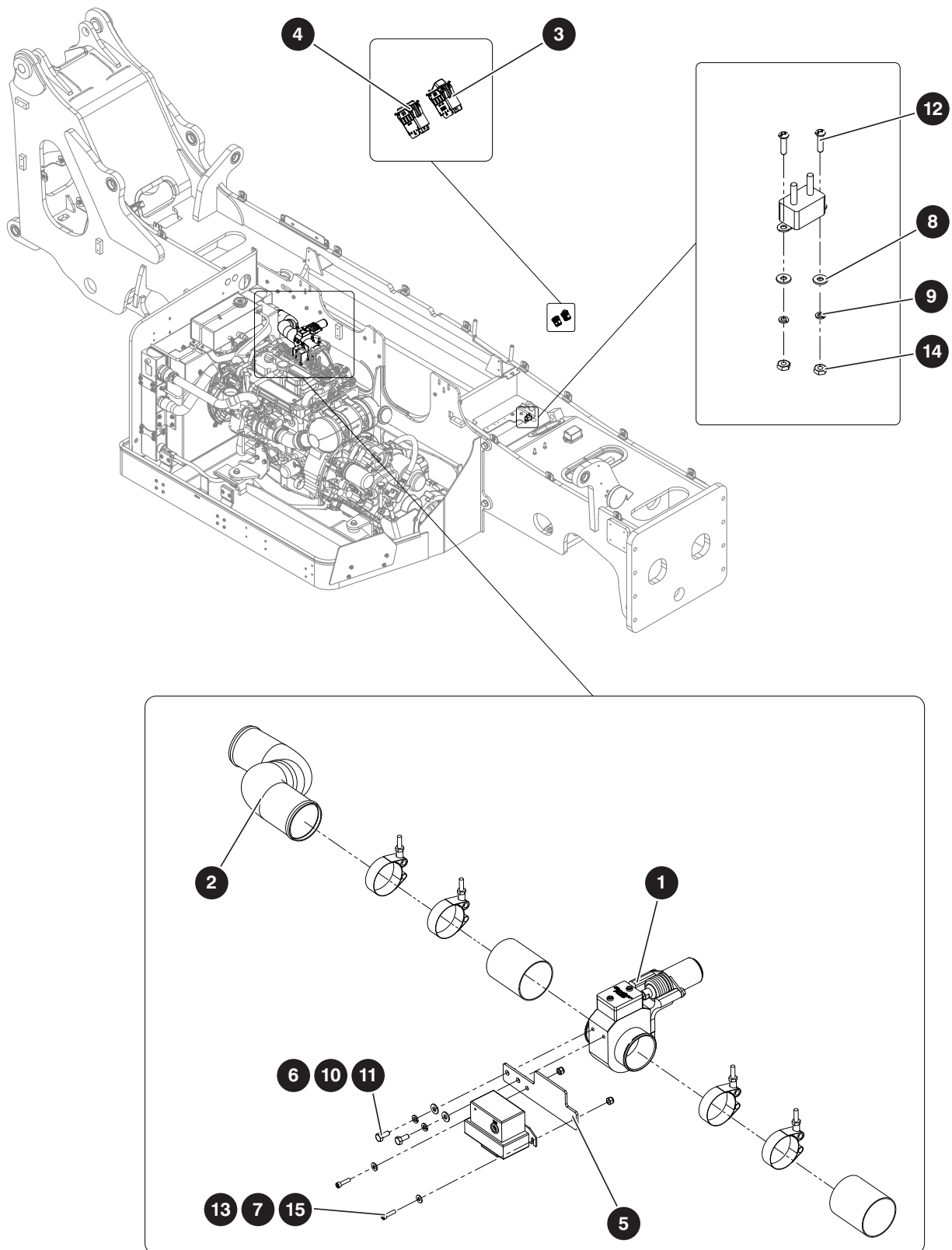
11.10 Oil Quick Drain



M169469AA-2-1

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

11.11 Air Intake Shut Off

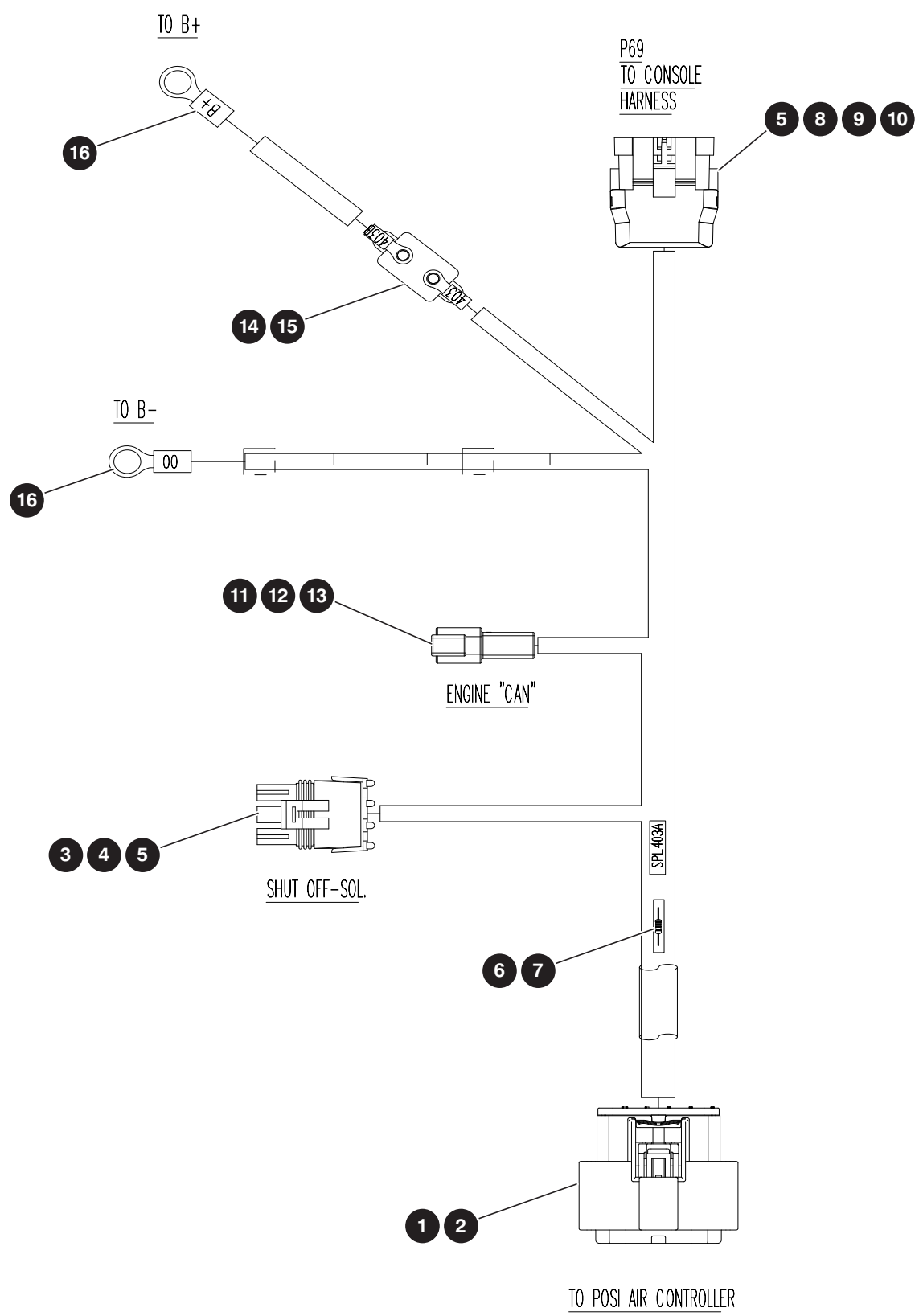


M191464AC

11.11 Air Intake Shut Off

Index No.	Skyjack Part No.	Qty.	Description
A	199062	-	VALVE, AIR INTAKE SHUT OFF, Deutz 3.6 107HP
B	199063	-	VALVE, AIR INTAKE SHUT OFF, Deutz 3.6L 74HP
1	191466	1	• VALVE, Shocker pass 2500, Deutz tcd 3.6L 107HP - A
-	190680	1	• VALVE, Shocker pass 1750, Deutz tcd 3.6L 74HP - B
2	191461	1	• TUBE, Positive air shutoff, Deutz 3.6L 107HP - A
-	190681	1	• TUBE, Positive air shutoff, Deutz 3.6L 74HP - B
3	191463	1	• INDICATOR, Positive shutoff
4	191455	1	• SWITCH, Positive shutoff
5	207740	1	• BRACKET, Air intake shutoff
6	103995	2	• WASHER, Flat 1/4"
7	104694	2	• Washer Flat #10
8	103991	2	• Washer Flat #8
9	112249	2	• WASHER, Lock #8
10	104000	2	• WASHER, Lock 1/4"
11	103892	2	• BOLT, Hex head 1/4"-20 X 5/8" grade 5
12	116192	2	• SCREW, Round head machine 8-32 x 5/8"
13	126642	2	• NUT, Lock with nylon insert 10-24 grade 5
14	103986	2	• NUT, Hex 8-32
15	138834	2	• SCREW, Socket head cap #10-24 x 3/4"
16	(Ref).	1	• HARNESS, Positive air shut off <i>(For components, refer to Section 11.12)</i>
17	197116	1	• INSTRUCTIONS, Air Intake Shutoff

11.12 Positive Air Shut Off Harness

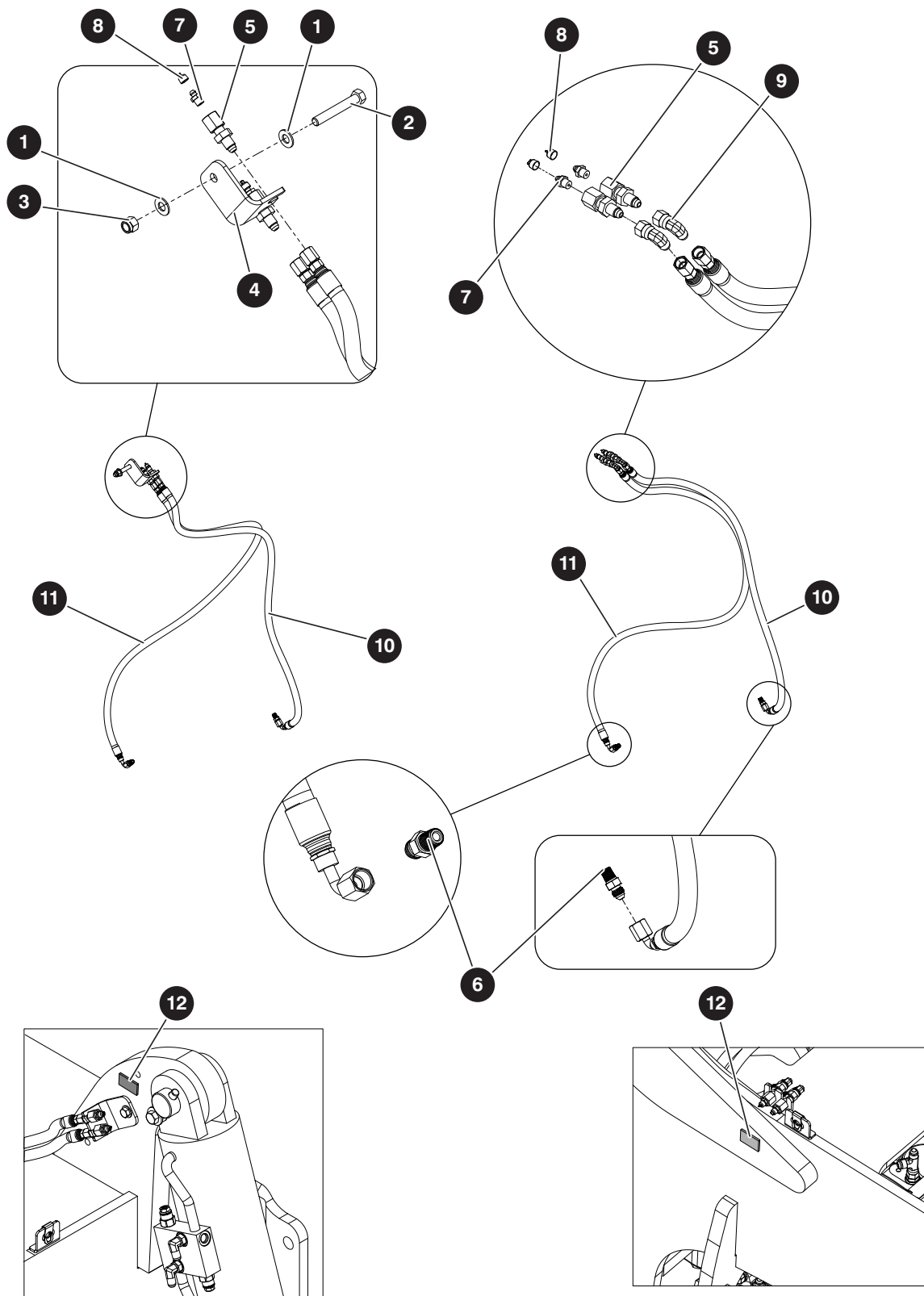


M190820AB

11.12 Positive Air Shut Off Harness

Index No.	Skyjack Part No.	Qty.	Description
-	191820	1	HARNESS, POSITIVE AIR SHUTOFF
1	171900	1	• CONNECTOR, Plug 10-way
2	171901	8	• TERMINAL, Female crimp
3	156114	1	• CONNECTOR, 3F W/P
4	156137	3	• TERMINAL, Female sealed (2.0-1.0MM2) W/P
5	124369	5	• WIRE SEAL W-P
6	143952	1	• RESISTOR, 50 ohm 2 watt axial lead
7	103367	1.5	• HEAT-SHRINK, 1/4 dia polyolfin
8	156139	2	• TERMINAL, Male sealed (2.0-1.0 mm2), W/P
9	156107	1	• CONNECTOR, 4M, W/P
10	156104	2	• PLUG CAVITY 1W, M/P 280 & W/P
11	117590	2	• CONNECTOR, Pin
12	117598	1	• CONNECTOR, W2P 2 pin wedge
13	117596	1	• CONNECTOR, Receptacle 2 pin
14	171899	1	• BREAKER, Auto reset 20 amp
15	102936	2	• TERMINAL, 14-16GA*#10 ring blue
16	156219	4	• TERMINAL, M8 ring (5.0 mm ²)

11.13 Remote Axle Grease

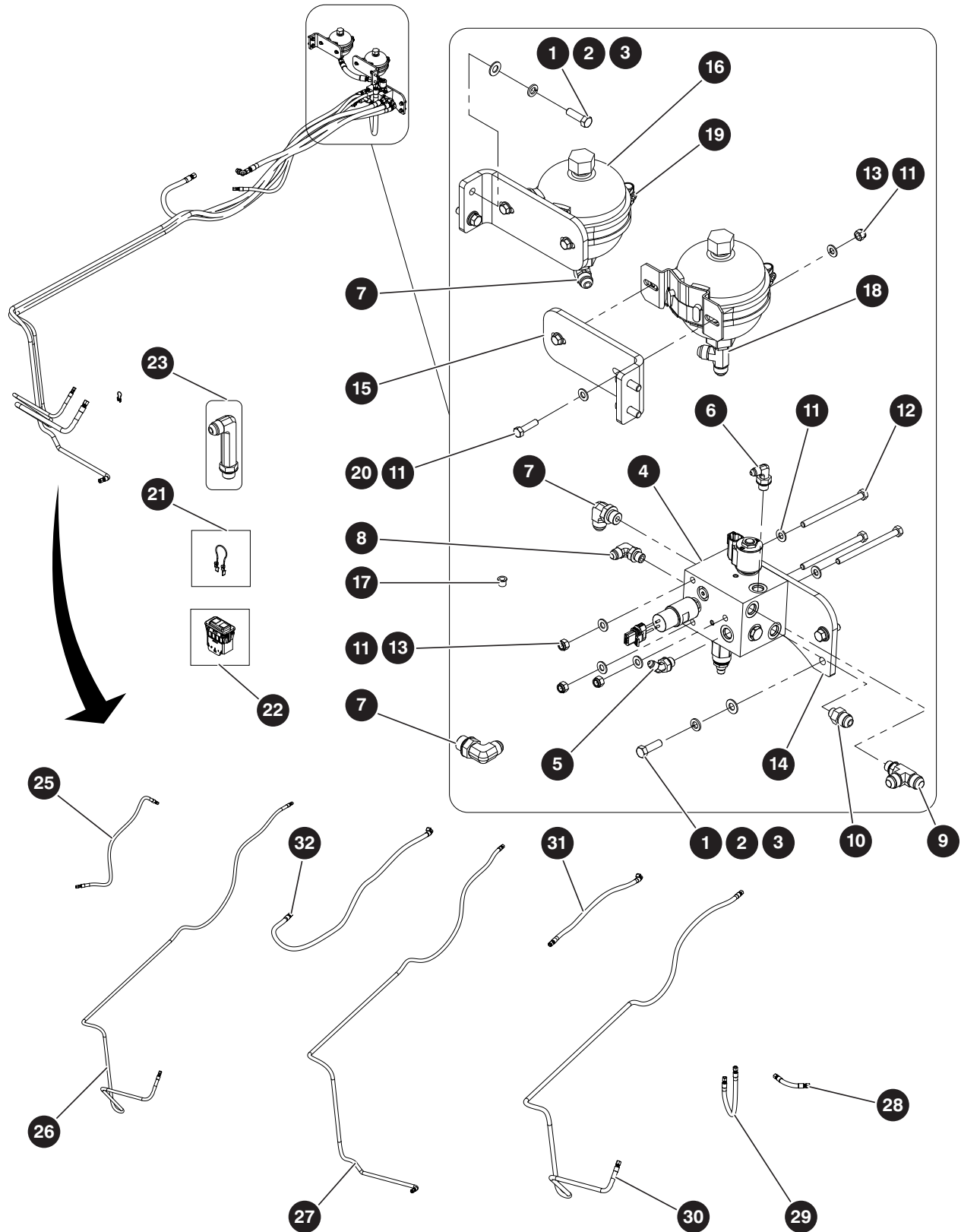


M191730AC

11.13 Remote Axle Grease

Index No.	Skyjack Part No.	Qty.	Description
-	191730	-	REMOTE AXLES GREASE
1	103472	2	• WASHER, Flat 3/8" SAE
2	103873	1	• BOLT, Hex head 3/8"-16 X 2 1/2" Gr. 5
3	104606	1	• NUT, Lock with nylon insert, 3/8"-16 Gr. 5
4	191731	1	• BRACKET, Axle grease
5	406595	4	• FITTING - Bulkhead
6	933309	4	• FITTING, Straight (04 JICM- 02 NPTM)
7	102027	4	• FITTING, Grease 1/8" NPTF straight
8	132565	4	• CAP, Grease Gr. 5
9	702875	2	• FITTING, Hydraulic swivel nut elbow
10	191735	2	• HOSE, Assembly grease 42" long
11	191736	2	• HOSE, Assembly grease 50" long
-	195071	1	• DECAL, Remote Axle Grease Option
12	152230	2	• • DECAL, Grease point

11.14 Reserve Brake



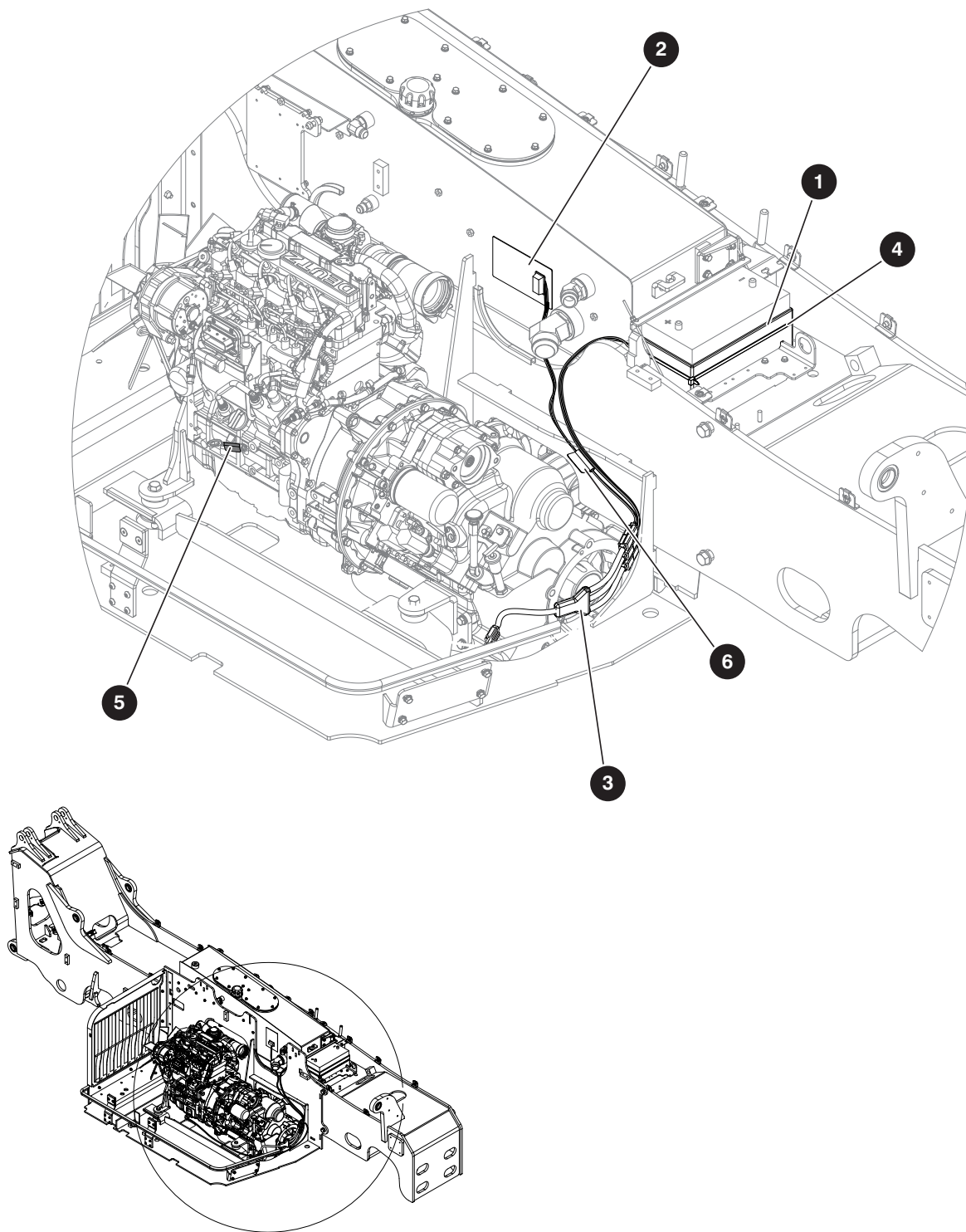
M190115AC

11.14 Reserve Brake

Index No.	Skyjack Part No.	Qty.	Description
-	197113	-	RESERVE BRAKE GROUP
1	103472	6	• WASHER, Flat 3/8" SAE
2	103999	6	• WASHER, Lock 3/8"
3	103473	6	• BOLT, Head head -16 X 1" Gr. 5
-	191720	1	• ASSEMBLY, Reserve brake manifold
-	190558	1	• • MANIFOLD, Reserve brake sub assembly
4	190357	1	• • • MANIFOLD, Reserve brake
5	707234	1	• • • FITTING, 45° (04 JICM - 06 ORBM)
6	129127	1	• • • FITTING, 90° (04 JICM - 06 ORBM)
7	114583	3	• • • FITTING, 90° (08 JICM - 08 ORBM)
8	114578	1	• • • FITTING, 90° (06 JICM - 06 ORBM)
9	191742	1	• • • FITTING, Run tee (08 JICM - 06 ORBM - 08 JICM)
10	104402	1	• • • FITTING, (6 SAE TO 8 JIC)
11	103996	14	• • WASHER, Flat 5/16" SAE
12	103869	3	• • BOLT, Hex head 5/16"-18 X 4-1/2" Gr. 5
13	103984	7	• • NUT, Lock with nylon insert 5/16"-18 Gr. 5
14	191729	1	• • BRACKET, Reserve brake
15	191721	2	• BRACKET, Accumulator
16	400947	2	• ACCUMULATOR, Diaphragm, 3/4L low T°
17	104437	1	• PLUG, Fitting- (06 orb hex socket)
18	110554	1	• FITTING, Run tee (08 JICM - 08 ORBM - 08 JICM)
19	190562	2	• CLAMP, Accumulator
20	112532	4	• BOLT, Hex head 5/16"-18 X 1-1/4" Gr. 5
21	190563	1	• HARNESS, Reserve brake
22	191463	1	• INDICATOR, Reserve brake / positive shutoff
23	150943	1	• FITTING, 90° LLL (08 JICM - 08 ORBM)
24	197114	1	• INSTRUCTIONS, Reserve Brake Installation

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

11.15 Cold Weather Package

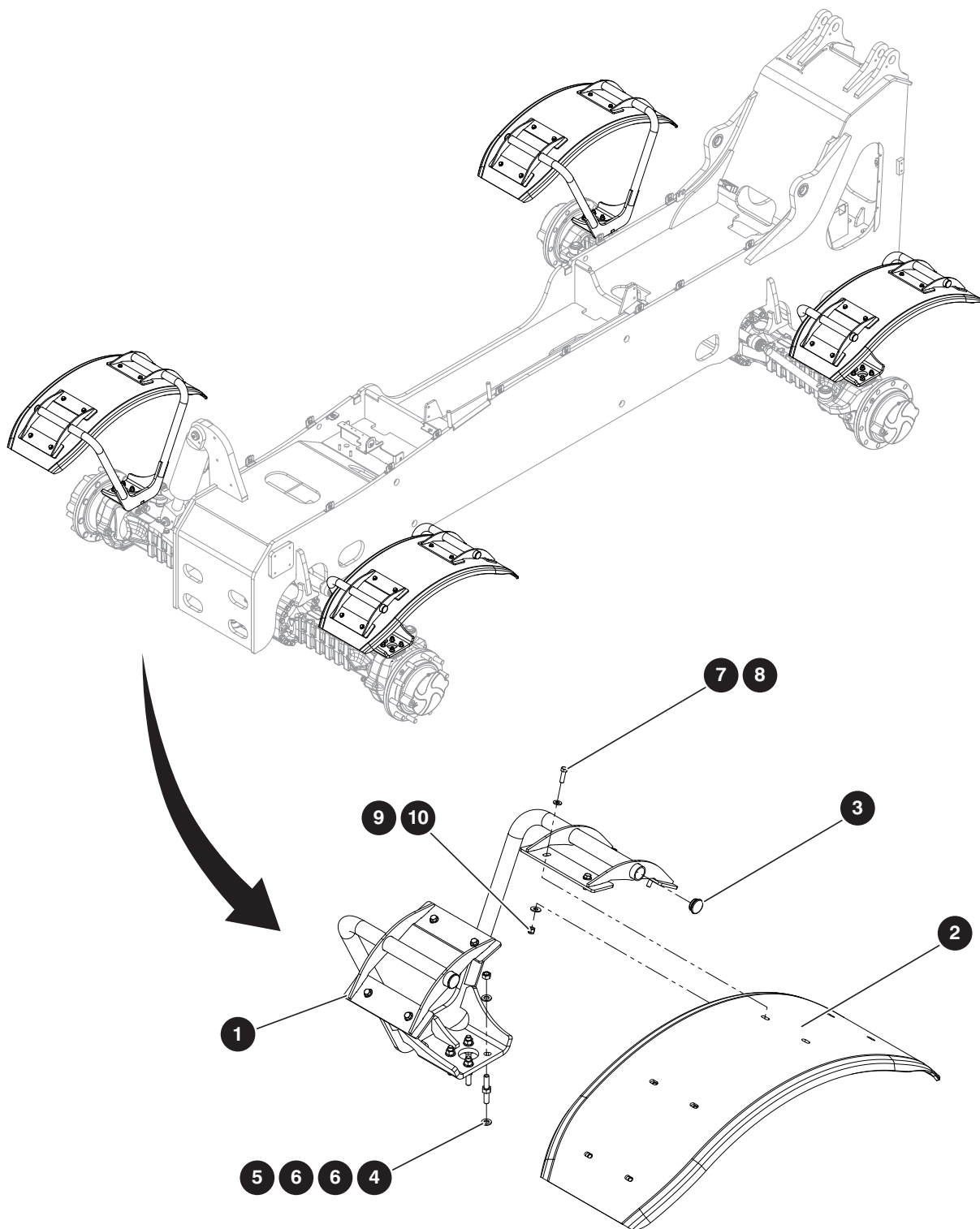


M190560AC

11.15 Cold Weather Package

Index No.	Skyjack Part No.	Qty.	Description
A	199057	1	COLD WEATHER SUBGROUP, 74 HP
B	199058	1	COLD WEATHER SUBGROUP, 107 HP
1	703290	1	• BLANKET - Battery
2	164762	1	• PAD HEATER - 500W
3	159888	1	• CORD, (12/3AWG 15A x 2' LONG)
4	144727	2	• TIE WRAP, Cable 43.3" black
5	144635	1	• LABEL - Arctic engine oil
6	144632	1	• LABEL - Hydraulic oil heater/bat warmer
7	199059	1	• INSTRUCTIONS, Cold weather package installation
8	(Ref.)	17 L	• COOLANT-ANTIFREEZE (Not shown) (For components, refer to Section 13.1)
9	(Ref.)	9 L	• OIL - Arctic engine (SAE 0W-40) (Not shown) (For components, refer to Section 13.1)
10	(Ref.)	27.6 L	• OIL - Arctic gear (Not shown) (For components, refer to Section 13.1)
11	(Ref.)	225 L	• OIL, ATF Transmission (Not shown) (For components, refer to Section 13.1)
12	(Ref.)	50 L	• FUEL, Diesel #2, colour red (Not shown) (For components, refer to Section 13.1)
13	(Ref.)	9.4 L	• DIESEL EXHAUST FLUID (DEF) (Not shown) - B (For components, refer to Section 13.1)

11.16 4 Wheel Fender Assembly

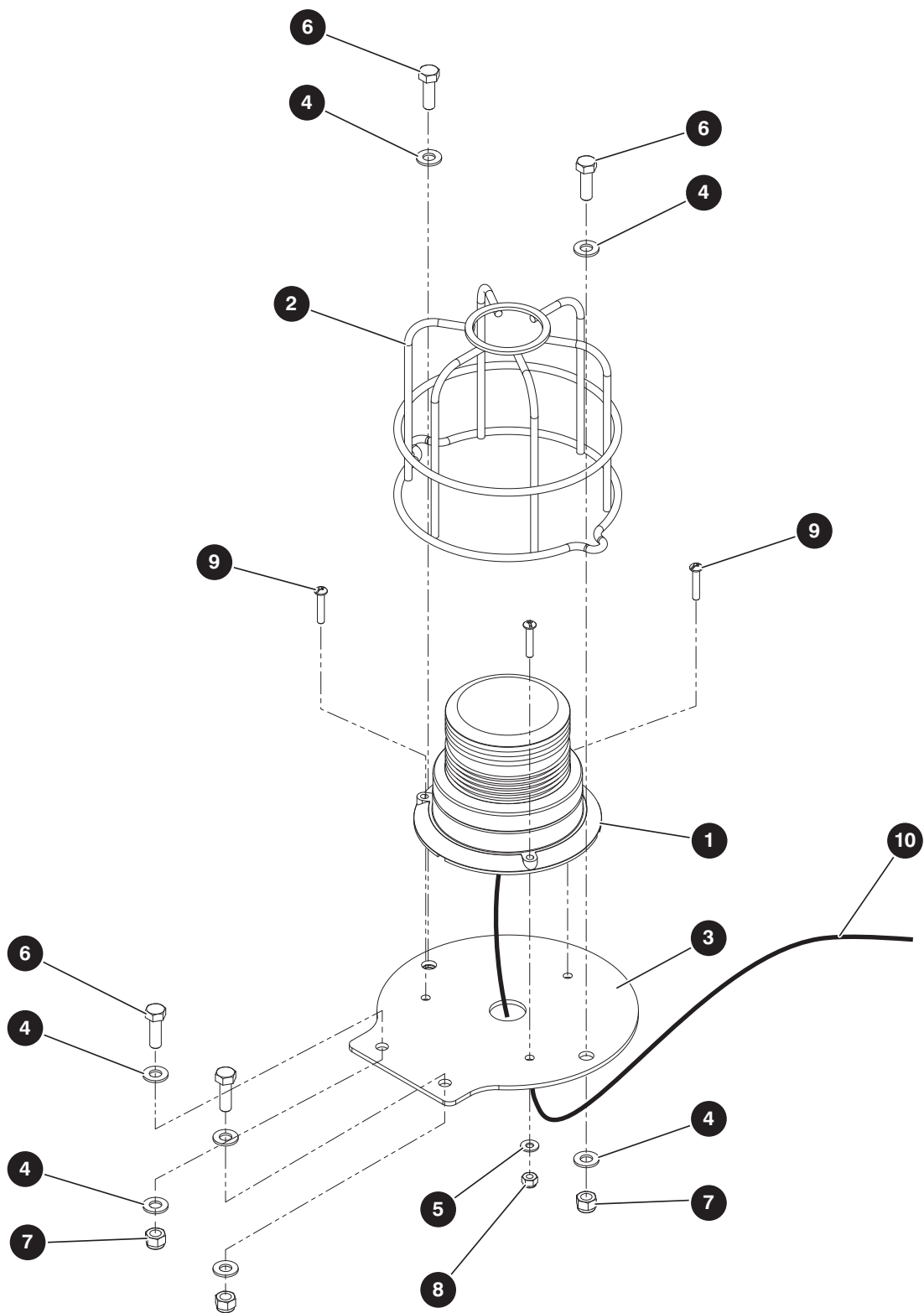


M190112AB

11.16 4 Wheel Fender Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	197111	1	4 WHEEL FENDER GROUP
1	191894	4	• WELDMENT, 4 wheels fender
2	191901	4	• WING, TH fenders
3	191903	8	• PLUG, Plastic 1 1/4" tube ID
4	191904	16	• STUD, M12 X 1.25 fender mount
5	933838	16	• NUT, Hex head M12-1.25
6	933817	32	• WASHER, Flat M12 CL 200 Y
7	101297	32	• BOLT, Hex head 3/8"-16 X 1-1/4" Gr. 5
8	125959	32	• WASHER, Flat 3/8" SAE hard
9	127067	32	• WASHER, Flat 3/8" Style BB
10	104606	32	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
11	197112	1	• INSTRUCTIONS, 4 wheel fender installation

11.17 Beacon Light Assembly

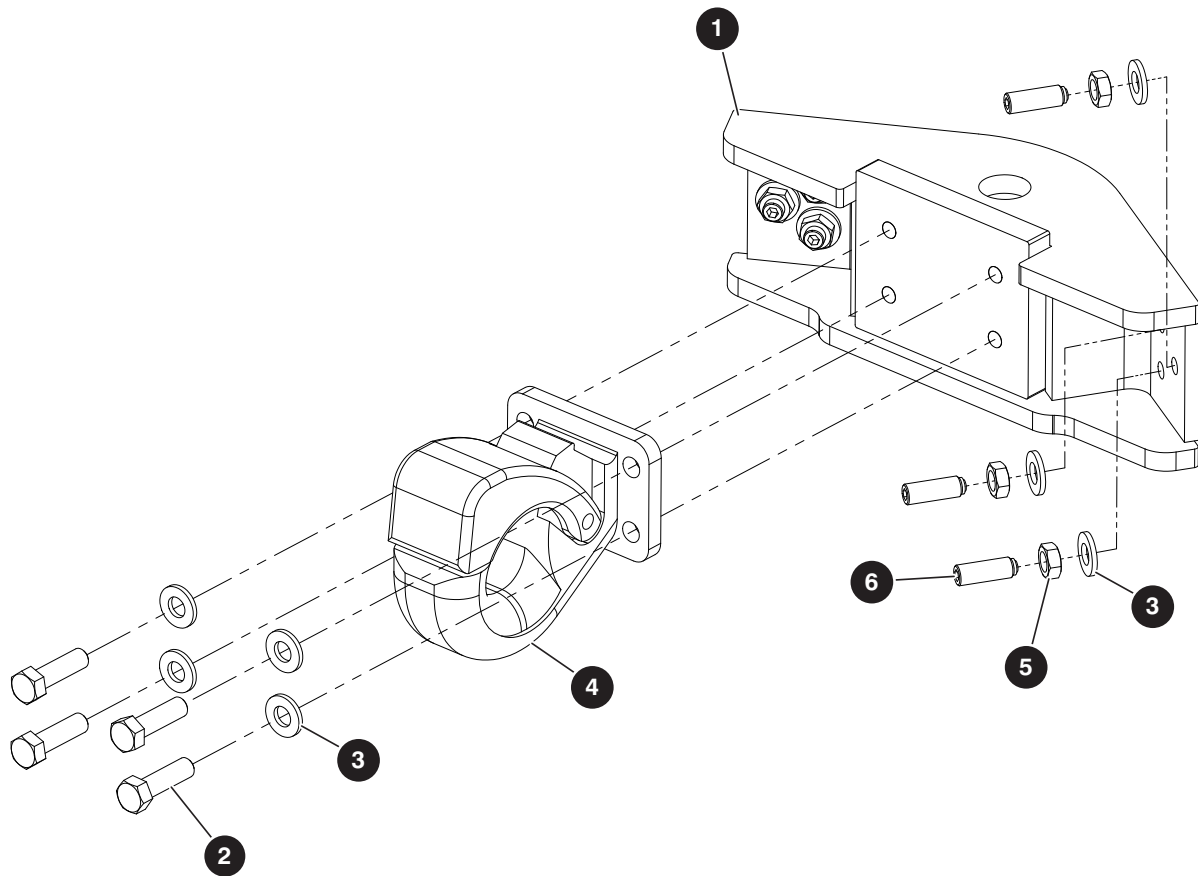


M191602AA

11.17 Beacon Light Assembly

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

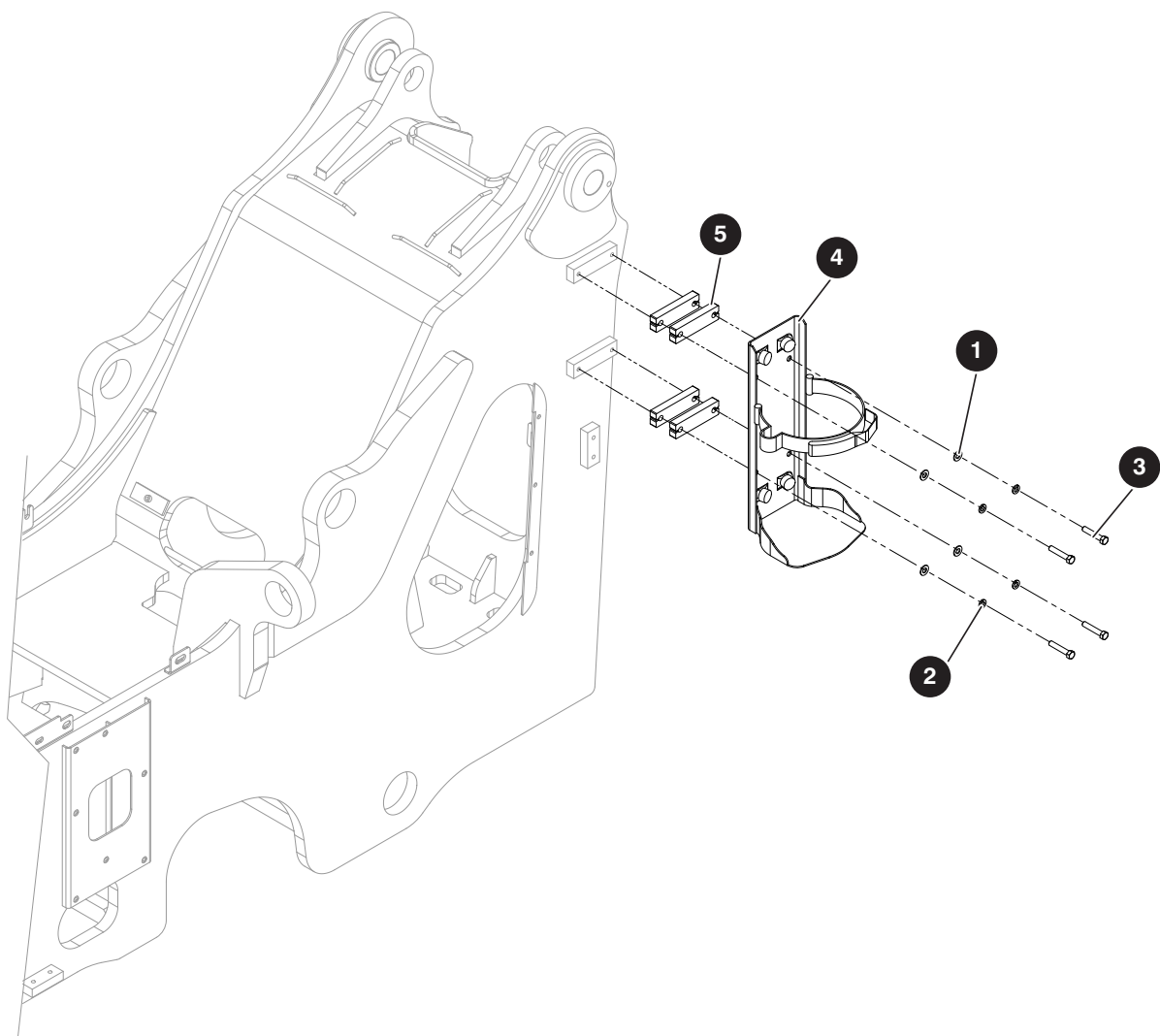
11.18 Pintle Hook Installation



M191760AA

Index No.	Skyjack Part No.	Qty.	Description
-	191760	-	PINTLE HITCH
1	191761	1	• WELDMENT, Pintle Hitch Adaptor
2	126361	4	• BOLT, Hex head (1/2"-13 X 1 3/4") Gr. 8
3	104379	10	• WASHER, Flat (1/2") Hard
4	921813	1	• PINTLE, Heavy duty pintle 6000 lb
5	107949	6	• NUT, Hex head JAM (1/2")-13 Gr. 5
6	191782	6	• SCREW, Set (1/2"-13 x 1 1/2") swivel ball end

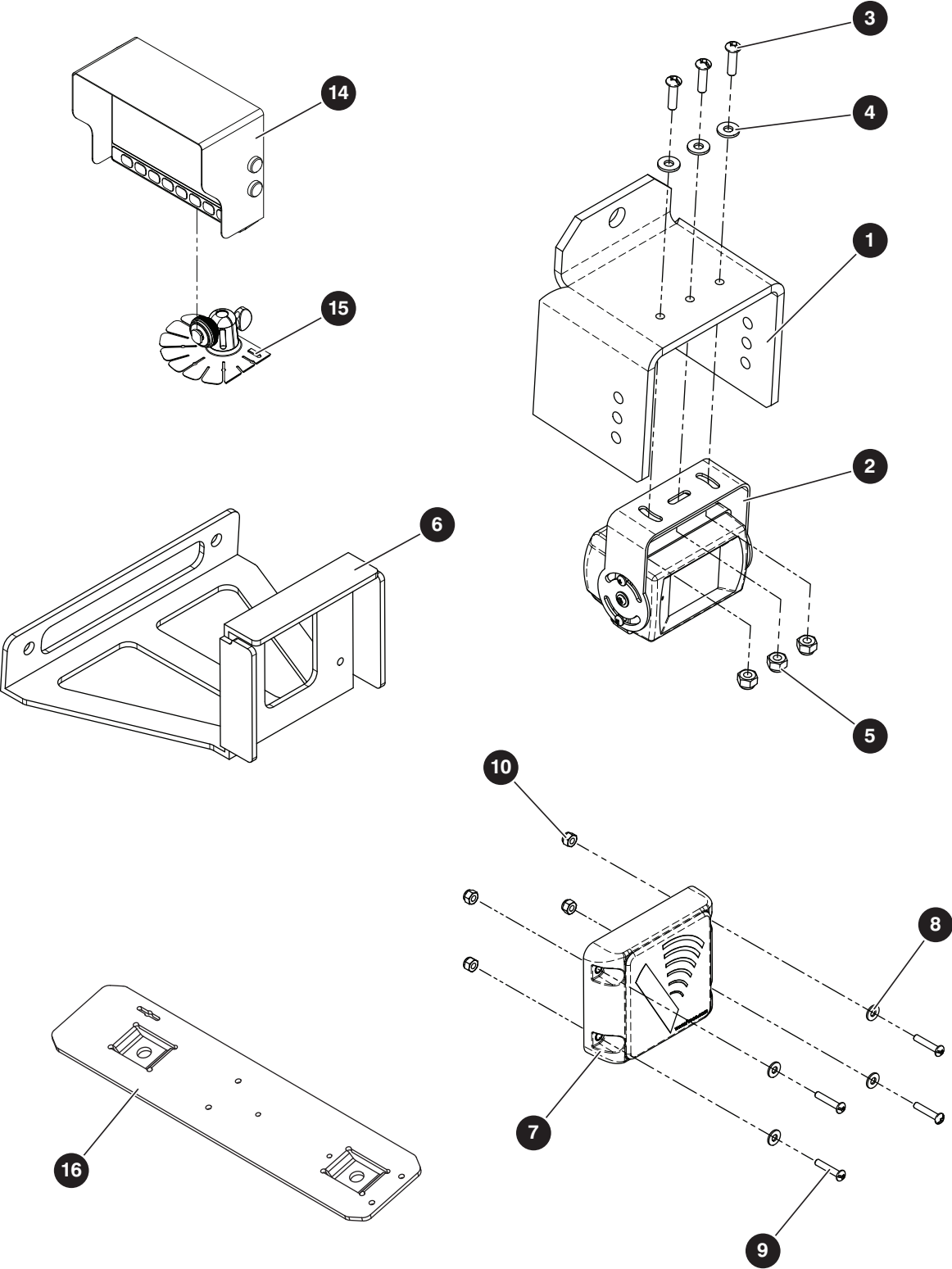
11.19 Fire Extinguisher



M204053AA

Index No.	Skyjack Part No.	Qty.	Description
-	204053	1	ASSEMBLY, FIRE EXTINGUISHER
1	103472	4	• WASHER, Flat 3/8" SAE
2	103999	4	• WASHER, Lock 3/8"
3	103596	4	• BOLT, Hex head 3/8"-16 x 2" Gr. 5
4	204056	1	• BRACKET, Fire extinguisher 20lb
5	204159	4	• SPACER, Fire extinguisher

11.20 Back up Camera and Sensor

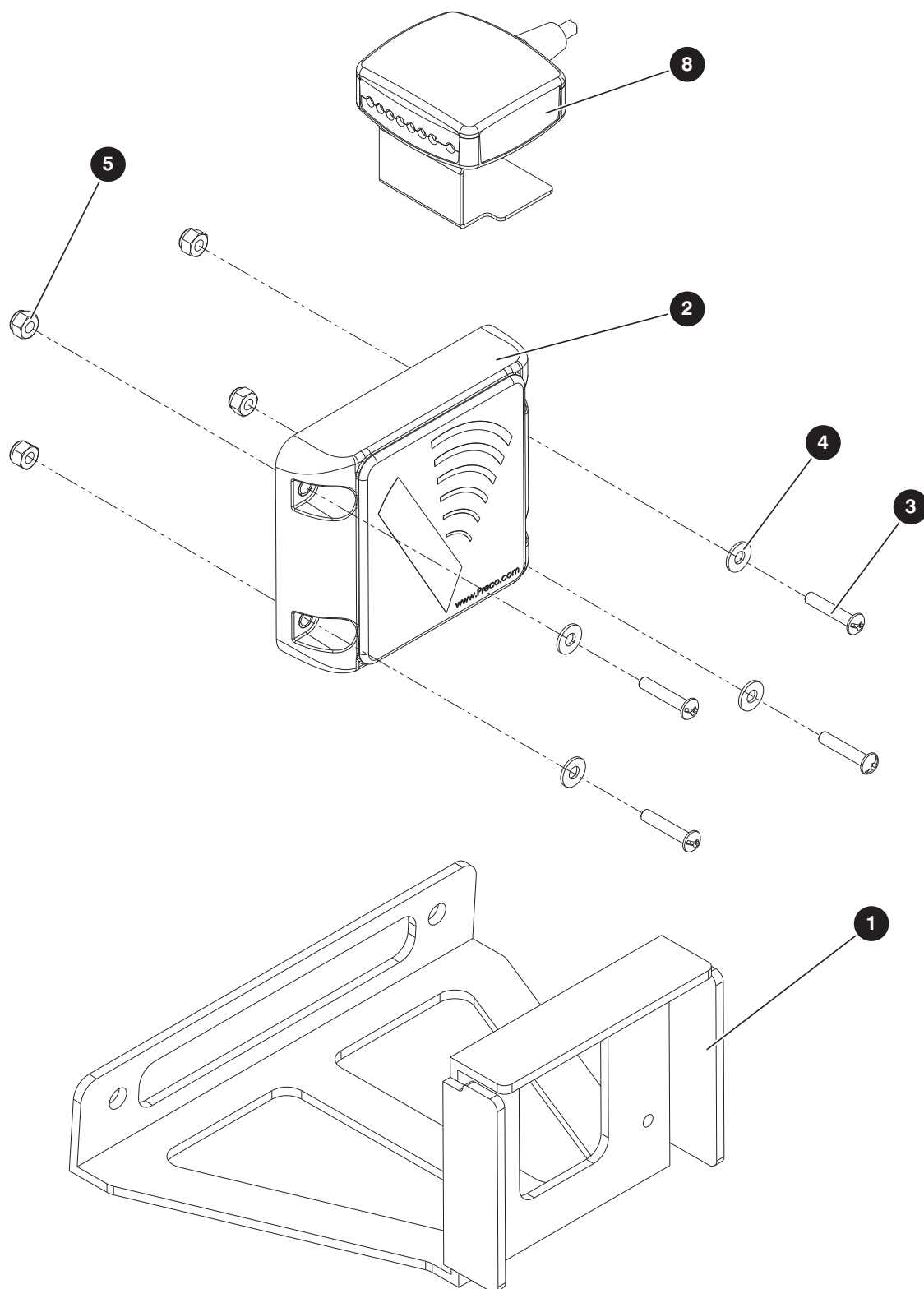


M205784AA

11.20 Back up Camera and Sensor

Index No.	Skyjack Part No.	Qty.	Description
-	205784	1	KIT, BACK UP CAMERA AND SENSOR
1	211855	1	• BRACKET, Rear view camera
2	212196	1	• CAMERA, Back up
3	116192	3	• SCREW, Round head machine 8-32 x 5/8"
4	103991	3	• WASHER, Flat #8
5	207240	3	• NUT, Lock with nylon insert 8-32 Gr. 5
6	211669	1	• BRACKET, Reverse warning device
7	211708	1	• SENSOR, Back up sentry
8	151155	4	• SCREW, Round head machine 10-24 x 1"
9	104694	4	• WASHER, Flat #10
10	126642	4	• NUT, Lock with nylon insert 10-24 Gr. 5
11	211700	1	• CABLE, Back up camera (Not Shown)
12	211746	1	• HARNESS, Back up sensor (Not Shown)
13	211672	1	• HARNESS, Reverse warning sys. th (Not Shown)
14	211707	1	• DISPLAY, Back up camera
15	212195	1	• STAND, Monitor - modified
16	206137	1	• MOUNT, Telematics and monitor
17	114595	1	• TERMINAL, Female 18-22 awg red (Not Shown)
18	111354	1	• WIRE PROTECTOR (Not Shown)
19	205786	1	• INSTRUCTION, Back up camera & sensor (Not Shown)

11.21 Back up Sensor



205785AA

190126AK

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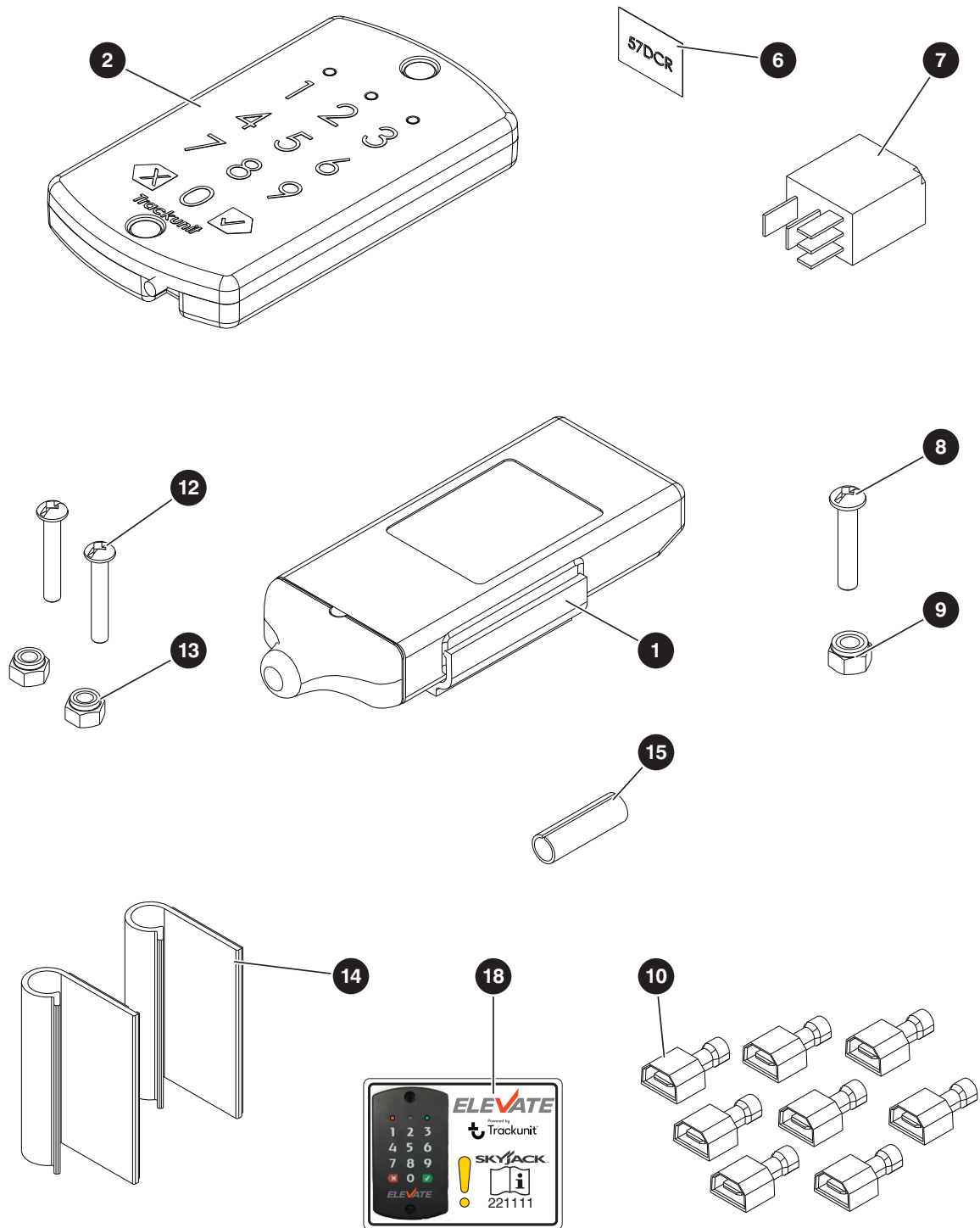
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

11.21 Back up Sensor

Index No.	Skyjack Part No.	Qty.	Description
-	205785	1	KIT, BACK UP SENSOR
1	211669	1	• BRACKET, Reverse warning device
2	211708	1	• SENSOR, Back up sentry
3	151155	4	• SCREW, Round head machine 10-24 x 1"
4	104694	4	• WASHER, Flat #10
5	126642	4	• NUT, Lock with nylon insert 10-24 Gr. 5
6	211746	1	• HARNESS, back up sensor (Not Shown)
7	211672	1	• HARNESS, Reverse warning sys. TH (Not Shown)
8	211695	1	• DETECTOR, Reverse warning
9	205787	1	• INSTRUCTION, Back up sensor installation (Not Shown)

11.22 Elevate Telematics



M221463AB

190126AK

386

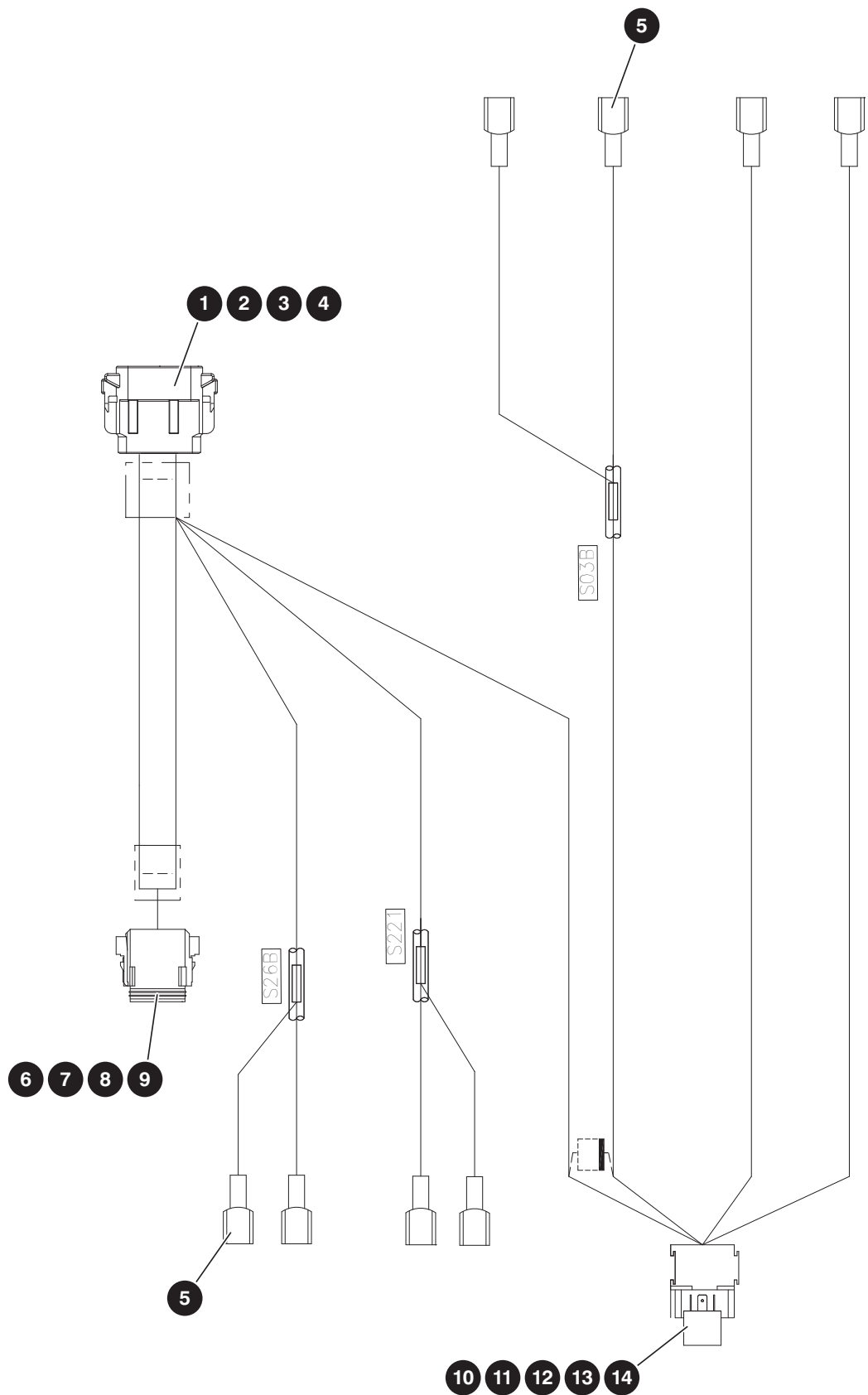
SJ1044 TH, SJ1044 THS, SJ1056 TH, SJ1056 THS

SKYJACK

11.22 Elevate Telematics

Index No.	Skyjack Part No.	Qty.	Description
A	221475	1	SERVICE KIT, Trackunit rework TH
B	221476	1	SERVICE KIT, Trackunit telehandler
C	221477	1	SERVICE KIT, Trackunit rework with keypad TH
D	221478	1	SERVICE KIT, Trackunit with keypad TH
1	213098	1	TELEMATICS, Elevate ME501-4
	199296		COVER, Track Unit
	199297		BRACKET, Track Unit
	199298		BATTERY, Track Unit
	199299		CABLE, Control Track Unit
2	213099	1	TELEMATICS, Elevate Keypad - C, D
3	221451	1	HARNESS, Telematics TH
4	221453	1	WIRE ASM, CAN H - A, C
5	221454	1	WIRE ASM, CAN L - A, C
6	221150	1	LABEL, 57DCR - A, C
7	233301	1	RELAY
8	105621	1	SCREW, Round head machine 10-32 x 1.000 - A, C
9	300450	1	NUT, Lock with nylon insert 10-32 Gr. 5 - A, C
10	105360	8	TERMINAL, MALE 14-16GA X 1/4 FULL INSL - A, C
11	208856	1.75	TAPE, VHB - 5952 - 1 INCH
12	112248	2	SCREW, Round head machine 8-32 x 1.000 - C, D
13	138765	2	NUT, Lock with nylon insert 8-32 Gr. 5 - C, D
14	108791	2	CLIP, CORD ADHESIVE BACK - C, D
15	124399	26"	WIRE-PROTECTOR 1/4" 125-0140 BL - C, D
16	221464	1	INSTRUCTIONS, Elevate Telematics Installation
17	221111	1	OPERATING INSTRUCTIONS, Elevate Telematics - C, D
18	173002	1	LABEL, Elevate Telematics - C, D

11.23 Elevate Telematics Harness

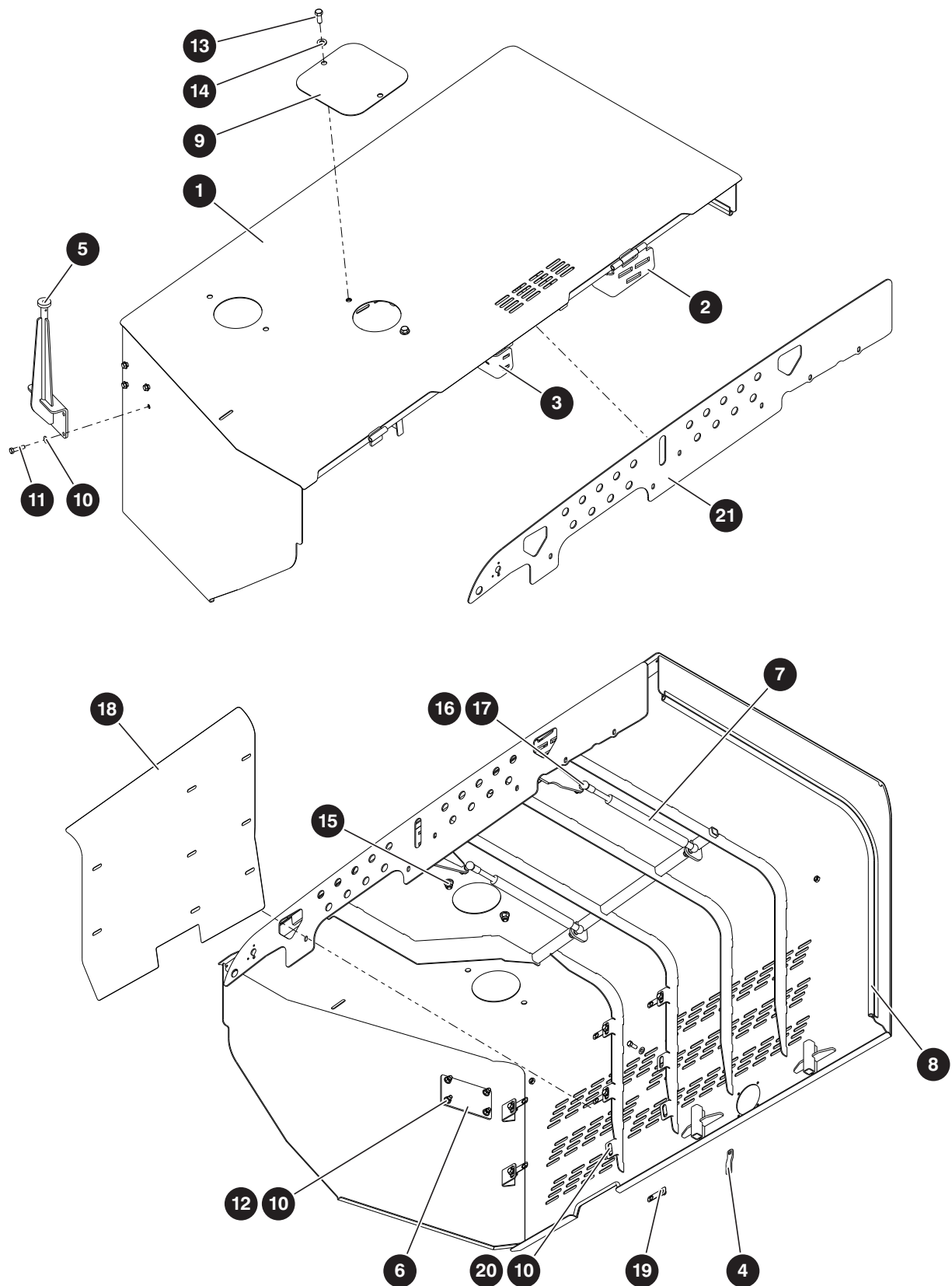


M221451AC

11.23 Elevate Telematics Harness

Index No.	Skyjack Part No.	Qty.	Description
-	221451	1	ELEVATE TELEMATICS HARNESS
1	220611	1	CONNECTOR, DEUTSCH DTM06-12S
2	220612	1	CONNECTOR, DEUTSCH DTM06 WEDGE
3	220613	9	CONNECTOR, CONTACT SOCKET NO.20
4	156152	3	SEALING PLUG, DRC SERIES
5	105359	8	TERMINAL FEMALE 14-16GA INSL.BLUE
6	117583	1	CONNECTOR PLUG 8-PIN
7	117585	1	CONNECTOR PLUG 8-PIN WEDGE
8	117591	6	CONNECTOR - CONTACT SOCKET 16-18
9	117594	2	CONNECTOR - SEALING PLUG
10	129258	1	DIODE 1N4007
11	233301	1	RELAY
12	156166	1	SOCKET, RELAY
13	126808	2	TERMINAL 14-08 GA 1/4 NON INSULATED
14	199144	2	TERMINAL, 0.187 SRS FASTIN ON RCPT PH BR

11.24 Steel Cowling Conversion Kit



M235151AA

11.24 Steel Cowling Conversion Kit

Index No.	Skyjack Part No.	Qty.	Description
-	235151	1	Service Kit, TH Metal Cowling Change
1	232399	1	COWLING WELDMENT
2	235067	1	WELDMENT, HINGE COWLING RH
3	235076	1	WELDMENT, HINGE COWLING LH
4	235072	1	PLATE, LATCH
5	191889	1	WELDMENT, MIRROR BASE
6	235077	1	PLATE, BACKING
7	235071	2	GAS SPRING, TH STEEL COWLING
8	149357	60	SEAL - BULB (0.090-0.12 GRIP)
9	235054	1	PLATE, TOP COVER - COWLING
10	103472	14	WASHER FLAT 0.375
11	103870	4	BOLT, HXHD 0.375-16 X 1.500 GR5
12	104606	4	NUT, LOCK 0.375-16 GR5 - NYL
13	103909	2	BOLT, HXHD 0.50-13 X 1.250 GR5
14	104379	4	Washer Flat 0.500 Hard
15	702507	2	NUT, LOCK 0.500-13 GrC - NYL
16	600572	4	"WASHER, FLAT M10 HARDENED DIN 125
17	223165	4	"NUT HEX NYLON LOCK M10 X 1.5 CL 8 ZP"
18	235074	1	HEAT SHEILD, TH COWLING
19	159294	8	NUT, SPEED CLIP 0.375-16
20	300437	8	BOLT, HXHD 0.375-16 X 0.875 GR5
21	235181	1	COVER, VR ENGINE TRAY
22	207462	1	LBL HOT SURFACE PICTORIAL LARGE
23	230762	1	INSTRUCTIONS, COWLING REPLACEMENT

 **Notes**

Section 12 – Labels

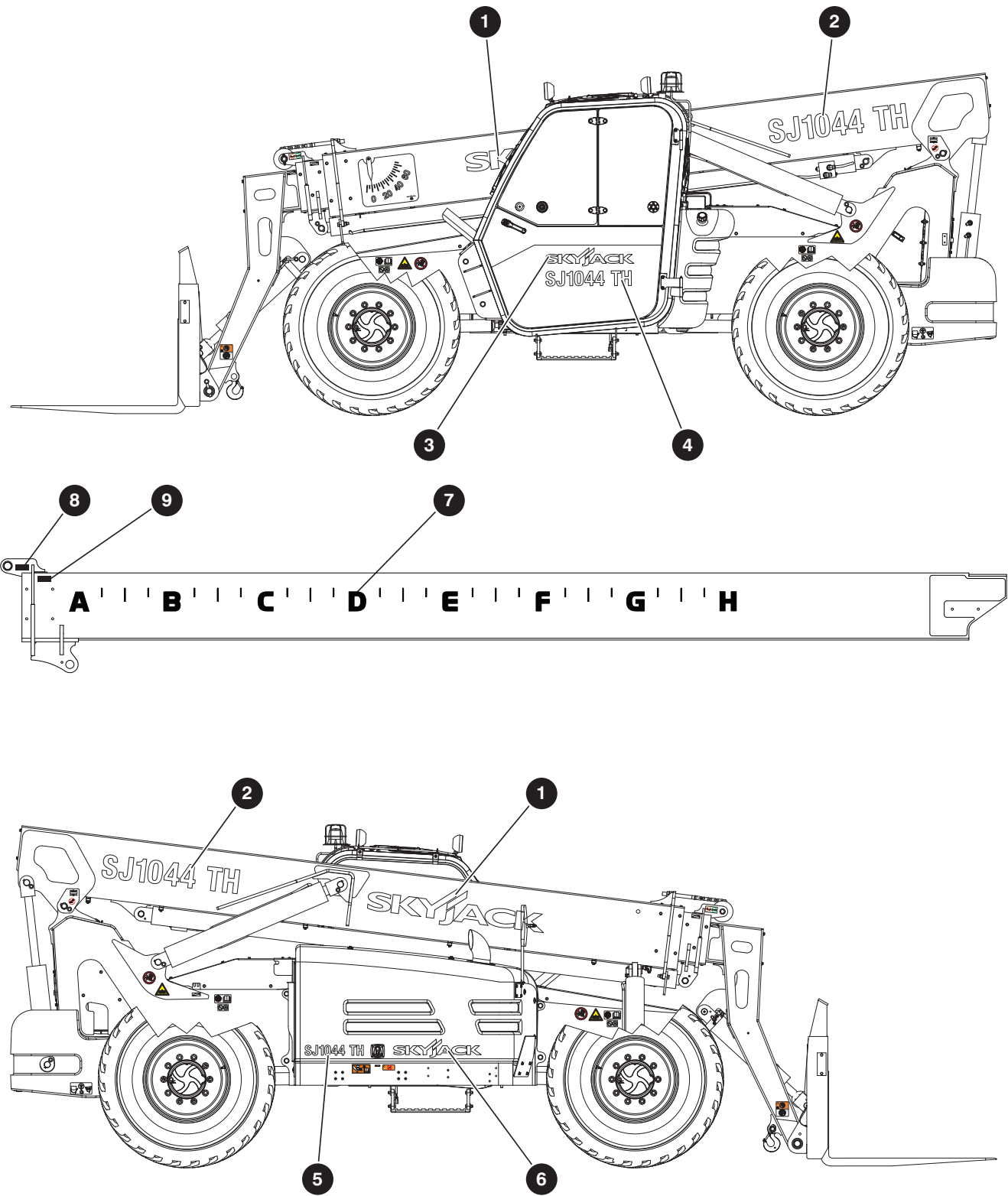
12.1 *Model Specific Labels*

12.3 *Cab Labels*

12.2 *Pictorial Group Labels*

12.4 *Load Charts Group*

12.1 Model Specific Labels

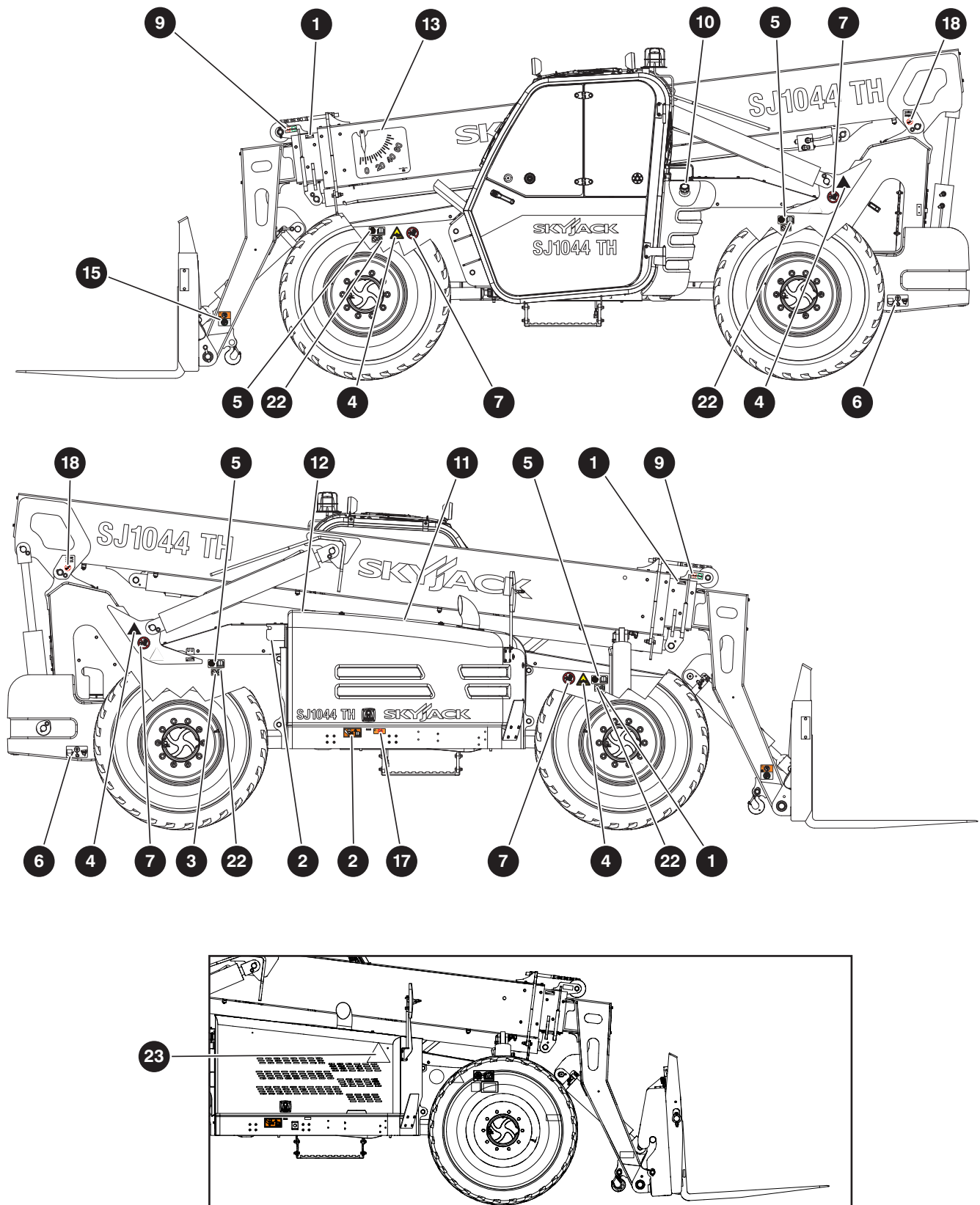


M190080_1 M172145AA M190080_2

12.1 Model Specific Labels

Index No.	Skyjack Part No.	Qty.	Description
A	190080	1	LABEL GROUP, MODEL SPECIFIC SJ1044 TH - ENCLOSED CAB
B	190081	1	LABEL GROUP, MODEL SPECIFIC SJ1056 TH - ENCLOSED CAB
C	199862	1	LABEL GROUP, MODEL SPECIFIC SJ1044 TH - OPEN CAB
D	199863	1	LABEL GROUP, MODEL SPECIFIC SJ1056 TH - OPEN CAB
E	208813	1	LABEL GROUP, MODEL SPECIFIC SJ1044 THS - ENCLOSED CAB
F	208814	1	LABEL GROUP, MODEL SPECIFIC SJ1056 THS - ENCLOSED CAB
G	208811	1	LABEL GROUP, MODEL SPECIFIC SJ1044 THS - OPEN CAB
H	208812	1	LABEL GROUP, MODEL SPECIFIC SJ1056 THS - OPEN CAB
I	172959	1	LABEL GROUP, MODEL SPECIFIC SJ1044 TH - ENCLOSED CAB
J	172961	1	LABEL GROUP, MODEL SPECIFIC SJ1056 TH - ENCLOSED CAB
K	172953	1	LABEL GROUP, MODEL SPECIFIC SJ1044 TH - OPEN CAB
L	172955	1	LABEL GROUP, MODEL SPECIFIC SJ1056 TH - OPEN CAB
M	172960	1	LABEL GROUP, MODEL SPECIFIC SJ1044 THS - ENCLOSED CAB
N	172962	1	LABEL GROUP, MODEL SPECIFIC SJ1056 THS - ENCLOSED CAB
O	172954	1	LABEL GROUP, MODEL SPECIFIC SJ1044 THS - OPEN CAB
P	172956	1	LABEL GROUP, MODEL SPECIFIC SJ1056 THS - OPEN CAB
1	164773	2	• LABEL, Skyjack logo white (51")
2	172200	2	• LABEL, SJ1044 TH white (38") - A, C
-	172192	2	• LABEL, SJ1056 TH white (38") - B, D
-	208776	2	• LABEL, SJ1044 THS white (38") - E, G
-	208779	2	• LABEL, SJ1056 THS white (38") - F, H
3	166951	1	• LABEL, Skyjack logo white (25") - A, B, E, F
4	172199	1	• LABEL, SJ1044 TH white (25") - A
-	172191	1	• LABEL, SJ1056 TH white (25") - B
-	208777	1	• LABEL, SJ1044 THS white (25") - E
-	208780	1	• LABEL, SJ1056 THS white (25") - F
-	172950	1	• LABEL, ECOSHIFT (25") - I, J, K, L, M, N, O, P
5	172198	1	• LABEL, SJ1044 TH white (17") - A, C
-	172186	1	• LABEL, SJ1056 TH white (17") - B, D
-	208778	1	• LABEL, SJ1044 THS white (17") - E, G
-	208781	1	• LABEL, SJ1056 THS white (17") - F, H
-	172949	1	• LABEL, ECOSHIFT (17") - I, J, K, L, M, N, O, P
6	158536	1	• LABEL, Skyjack logo white (17")
7	172145	1	• LABEL, Boom letters 1044 - A, C, E, G
-	172146	1	• LABEL, Boom letters 1056 - B, D, F, H
8	152237	2	• LABEL, Keep chains tight - B, D, F, H
9	152230		• LABEL, Grease point - B, D, F, H

12.2 Pictorial Group Labels

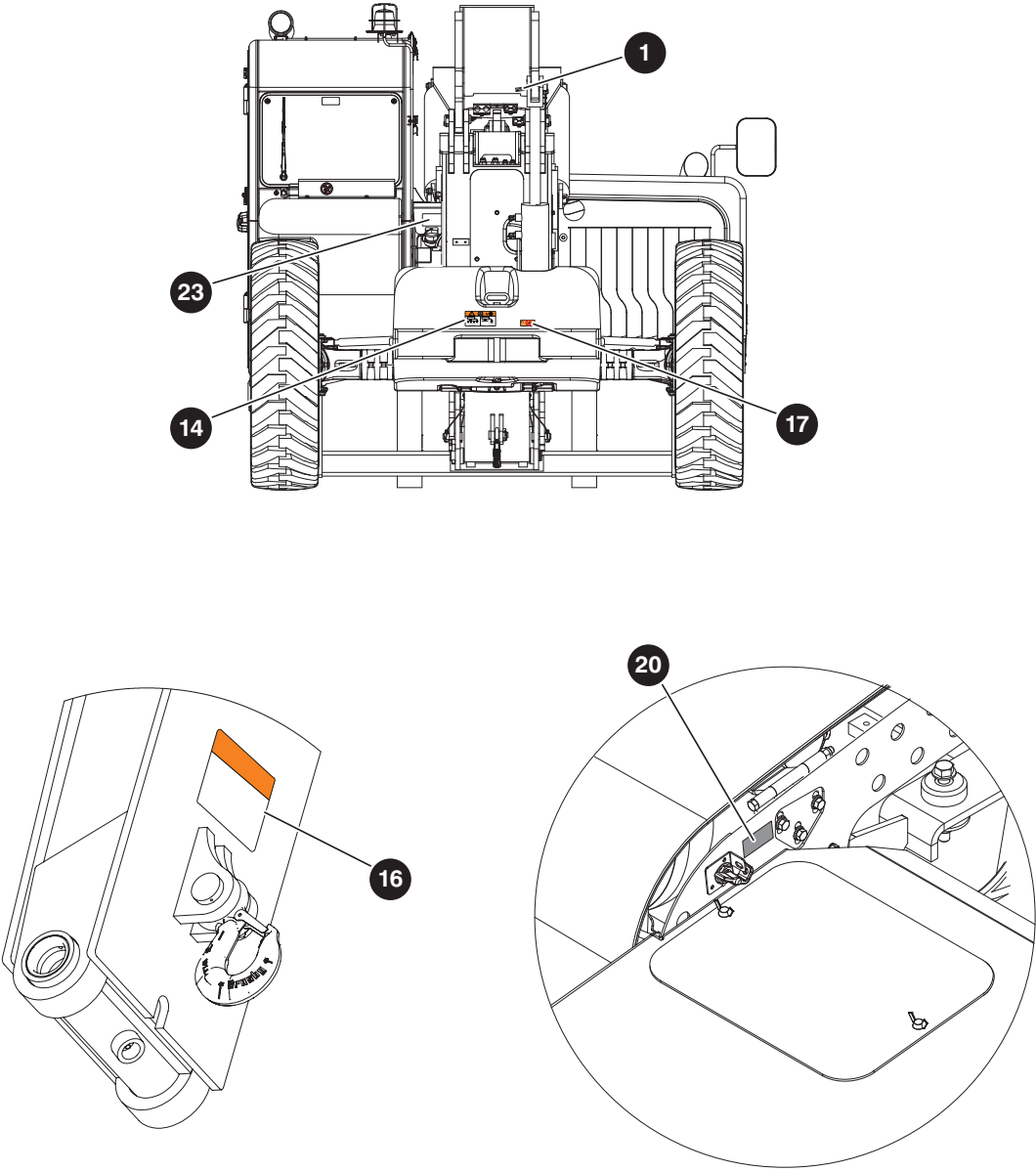


M190080_1 M190080_2

12.2 Pictorial Group Labels

Index No.	Skyjack Part No.	Qty.	Description
A	190077	1	LABEL GROUP, PICTORIAL TH <i>(for SJ1044 TH/THS with SN 87210176 and below, excluding SN 87210154 for SJ1056 TH/THS with SN 87311608 and up)</i>
B	229082	1	LABEL GROUP, PICTORIAL TH <i>(for SJ1044 TH/THS with SN 87210155 and SN 87210176 and up for SJ1056 TH/THS with SN 87311608 and up)</i>
1	152230	6	• LABEL, Grease point
2	137988	1	• LABEL, Crush/pinch hazard pictorial
3	146016	1	• LABEL, Hydraulic oil level (min/max)
4	139314	4	• LABEL, Body crush pictorial
5	124631	4	• LABEL, Wheel info pictorial
6	157528	4	• LABEL, Lift point / tie down pictorial
7	139855	4	• LABEL, "Keep clear" pictorial
8	138146	1	• LABEL, No smoking pictorial
9	152237	2	• LABEL, Keep chains tight
10	162852	1	• LABEL, Diesel "ultra low sulfur only "
11	102961	1	• LABEL, ATF dexron III pictorial
12	163095	1	• LABEL, Caution coolant fill
13	196184	1	• LABEL, Boom angle indicator
14	195900	1	• LABEL, Towing capacity
15	195421	2	• LABEL, Fork pins warning
16	195422	1	• LABEL, Lifting hook
17	115543	2	• LABEL, No step
18	156613	2	• LABEL, Do not tamper with switch
19	(Ref).	1	• ASSEMBLY, Cab labels <i>(For components, refer to Section 10.11)</i>
20	212532	1	• LABEL, Main battery disconnect switch
21	173583	2	• LABEL, Do not grease
22	173202	4	• LABEL, Tip over hazard - B
23	207462		• LABEL, Hot Surface - for steel cowling only
24	172501	1	LABEL, DEF Tank

12.2 Pictorial Group Labels

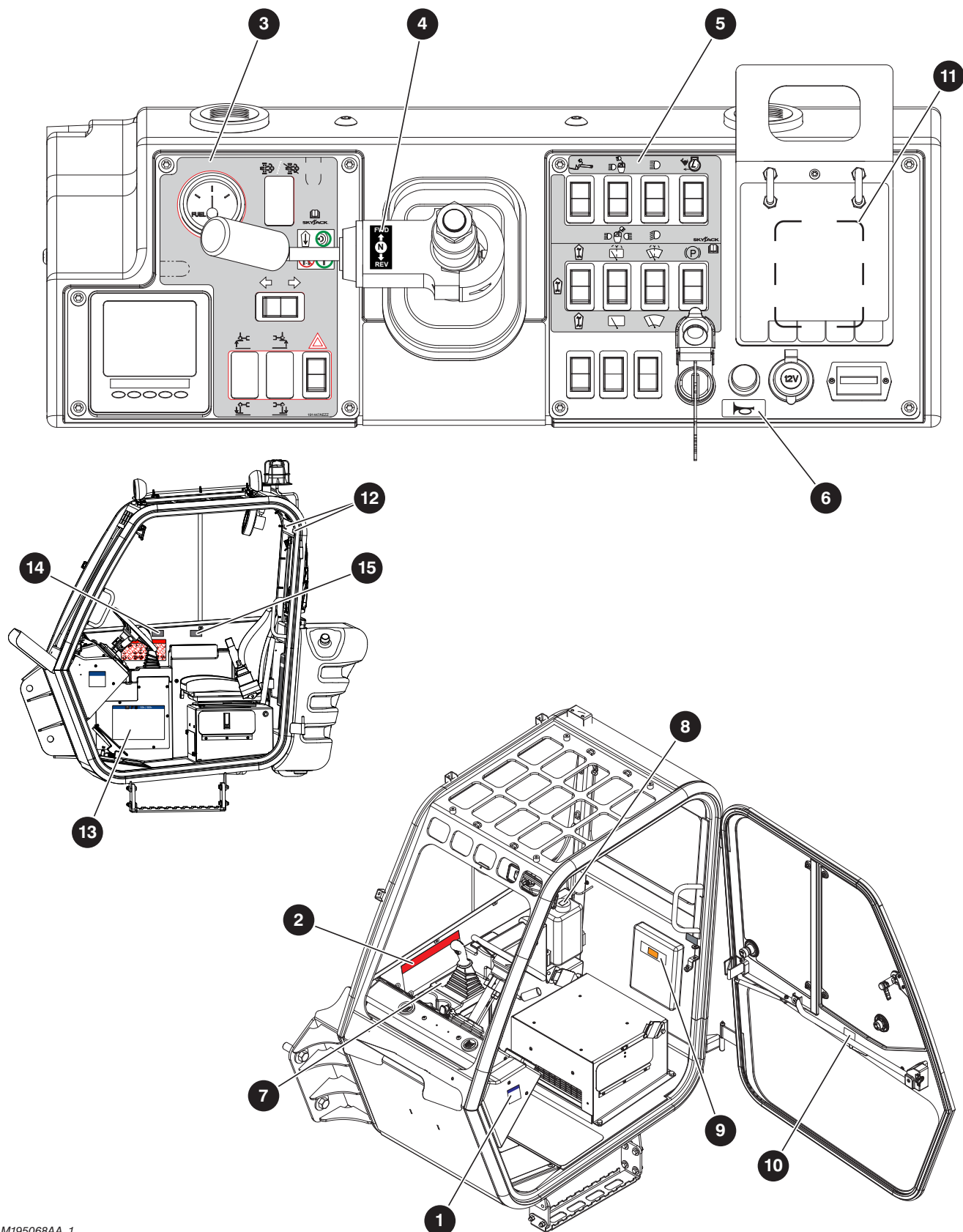


M190077_3 M190077_4

12.2 Pictorial Group Labels

Index No.	Skyjack Part No.	Qty.	Description
A	190077	1	LABEL GROUP, PICTORIAL TH <i>(for SJ1044 TH/THS with SN 87210176 and below, excluding SN 87210154 for SJ1056 TH/THS with SN 87311608 and up)</i>
B	229082	1	LABEL GROUP, PICTORIAL TH <i>(for SJ1044 TH/THS with SN 87210155 and SN 87210176 and up for SJ1056 TH/THS with SN 87311608 and up)</i>
1	152230	6	• LABEL, Grease point
2	137988	1	• LABEL, Crush/pinch hazard pictorial
3	146016	1	• LABEL, Hydraulic oil level (min/max)
4	139314	4	• LABEL, Body crush pictorial
5	124631	4	• LABEL, Wheel info pictorial
6	157528	4	• LABEL, Lift point / tie down pictorial
7	139855	4	• LABEL, "Keep clear" pictorial
8	138146	1	• LABEL, No smoking pictorial
9	152237	2	• LABEL, Keep chains tight
10	162852	1	• LABEL, Diesel "ultra low sulfur only "
11	102961	1	• LABEL, ATF dexron III pictorial
12	163095	1	• LABEL, Caution coolant fill
13	196184	1	• LABEL, Boom angle indicator
14	195900	1	• LABEL, Towing capacity
15	195421	2	• LABEL, Fork pins warning
16	195422	1	• LABEL, Lifting hook
17	115543	2	• LABEL, No step
18	156613	2	• LABEL, Do not tamper with switch
19	(Ref).	1	• ASSEMBLY, Cab labels <i>(For components, refer to Section 10.11)</i>
20	212532	1	• LABEL, Main battery disconnect switch
21	173583	2	• LABEL, Do not grease
22	173202	4	• LABEL, Tip over hazard - B
23	207462		• LABEL, Hot Surface - for steel cowling only
24	172501	1	LABEL, DEF Tank

12.3 Cab Labels



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12.3 Cab Labels

Index No.	Skyjack Part No.	Qty.	Description
-	195068	1	ASSEMBLY, CAB LABELS
1	195425	1	• LABEL, Transportation reminder
2	195424	1	• LABEL, Hazard identification
3	191447	1	• LABEL, Left side dash
4	926902	1	• LABEL, Transmission selector
5	191448	1	• LABEL, Right side dash
6	105352	1	• LABEL, Horn pictorial
7	195109	1	• LABEL, Joystick controls
8	152241	1	• LABEL, Windshield washer fluid
9	123628	1	• LABEL, Manual storage box
10	152246	1	• LABEL, Door open instructions
11	195069	1	• LABEL, Fuse Panel SJXX TH
12	204421	1	• LABEL, Pictorial emergency exit procedure
13	195426	1	LABEL, Daily & weekly maint - S/N 87210155 / 87311618 and below
	173582		LABEL, Daily & weekly maint - S/N 87311619 to 87311607
	229083		LABEL, Daily & weekly maint - S/N 87311608 to 87312008
	237739		LABEL, Daily & weekly maint - S/N 87210168 / 87312009 and above
14	173081	1	LABEL, California proposition 65
15	173002	1	LABEL, Equipped with elevate Keypad

**List Only
No Drawing Required**

No_drawing

12.4 Load Charts Group

Index No.	Skyjack Part No.	Qty.	Description
1	196199	1	CHARTS, Load SJ1044 TH - <i>For serial numbers 87210029 and below</i>
2	196200	1	CHARTS, Load SJ1056 TH - <i>For serial numbers 87310412 and below</i>
3	213538	1	CHARTS, Load SJ1044 TH - <i>For S/N 87210030 to 87210175, excluding 87210155</i>
4	213540	1	CHARTS, Load SJ1056 TH - <i>For serial numbers 87310413 to 87311607</i>
5	229079	1	CHARTS, Load SJ1044 TH - <i>For serial numbers 87210155 and SN 87210176 and up</i>
6	229080	1	CHARTS, Load SJ1056 TH - <i>For serial numbers SN 87311608 and up</i>

 **Notes**

Section 13 – Tables

13.1 Recommended Fluids Table

Models SJ1044 TH/THS & SJ1056 TH/THS		
Engine		
Fuel Type	Ultra Low Sulfur Diesel (EN 590, ASTM D975) or Biodiesel B20	
Fuel Tank Capacity	35 gal (132 L)	
Recommended Oil Type	SAE 15W40	
Engine Oil 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 *	
Coolant Tank Capacity	4.2 gal (16 L)	
DEF (if equipped)	Diesel Exhaust Fluid (DEF)	
DEF Tank Capacity	2.4 gal (9.4 L)	
Transmission		
Powershift	Oil Type	ATF Dexron III
	Capacity	14.2 Quart (13.5 L)
Axles		
Differential	SAE 80W/90 LS	
Front Central House Capacity	13.7 Quart (13 L)	
Rear Central House Capacity	8.2 Quart (7.8 L)	
Planetary Wheel Ends	SAE 80W/90	
Front Wheel Hub Capacity	2 quart (1.9 L) per hub	
Rear Wheel Hub Capacity	2.1 quart (2 L) per hub	
Hydraulic Oil		
Standard Factory Fill	ATF Dexron III	
Type	ATF Dexron III or Equivalent	
Tank Capacity	43.85 gal (166 L)	
Grease Points		
Type	EP2 Grease	

* Refer to engine manufacturer's manual

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