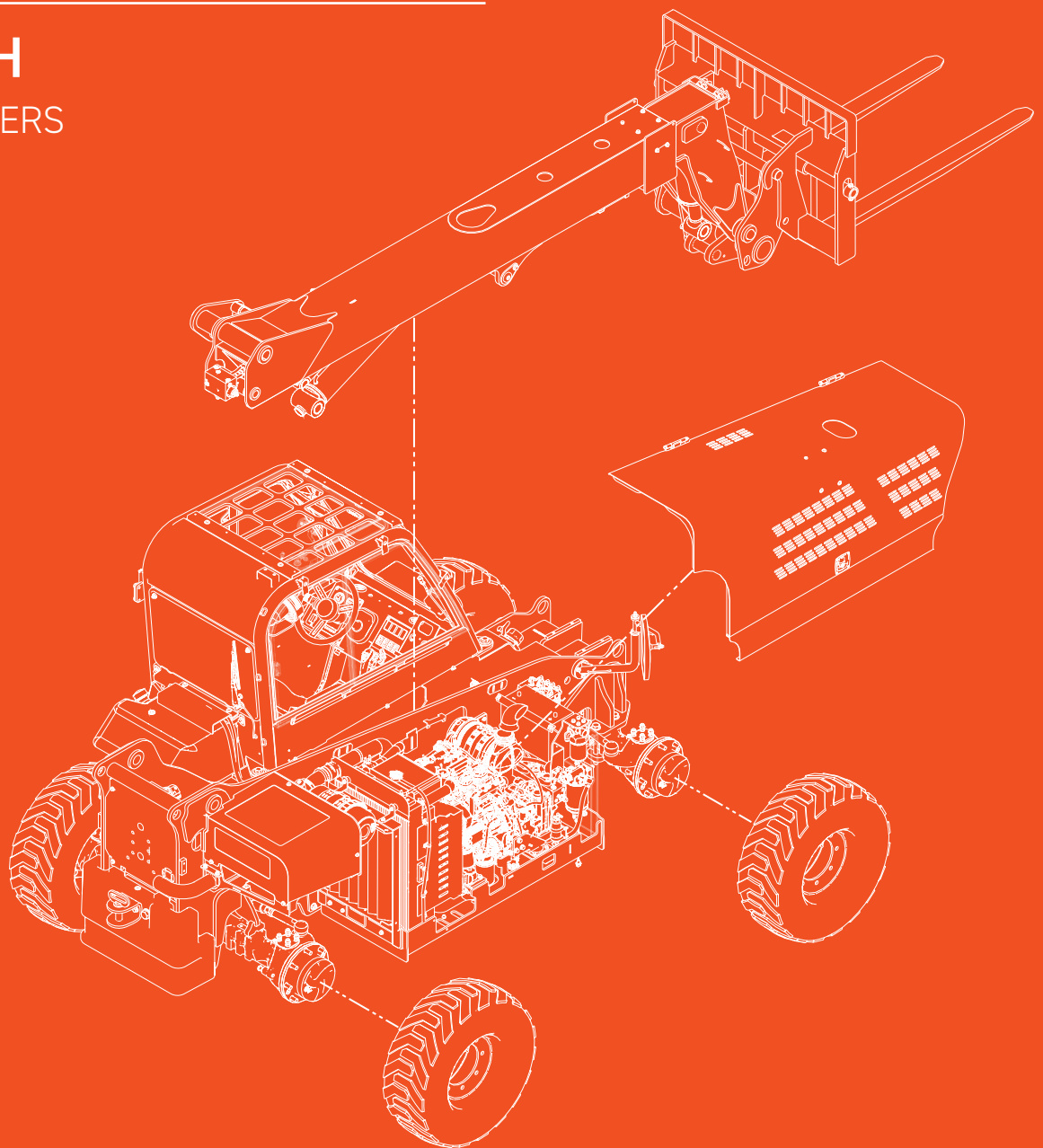




PARTS MANUAL

SJ519 TH TELEHANDLERS



216941AF

October 02 2026
ANSI/CSA

This manual is for telehandlers with serial numbers:

SJ519 TH: 87 500 000 - 87 599 999

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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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 sub-assemblies comprising the work platform are illustrated and accompanied by a descriptive parts list. Exploded drawings are used to show relative location of component parts in disassembly order. If a part cannot be found in this 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	224322
Fuel Filter/Water Separator	4	4	4	224324
Air Filter - Primary Element	2	2	2	165949
Air Filter - Secondary Element	1	1	1	165950
Fan Belt	0	1	1	240121
Pump, Fuel	0	1	1	224314
Thermostat	0	1	1	169245
Alternator	0	0	1	197184
Starter	0	0	1	224307
Ignition key	0	0	1	925248
Electrical				
Battery	0	1	1	144676
Power Relay	1	1	1	921734
Relay, micro	2	2	2	233301
Relay	1	1	1	156200
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, 100A glow plug	1	1	1	165031
Ignition Switch	1	1	1	926721
Reverse Alarm	1	1	1	921172
Horn	1	1	1	923025
Hydraulic				
Hydraulic Filter, Return	1	1	1	206998
Lift Cylinder Seal Kit	1	1	1	224028
Fork Tilt Cylinder Seal Kit	1	1	1	224012
Tilt Compensation Cylinder Seal Kit	1	1	1	224040
Quick Attach Cylinder Seal Kit	1	1	1	224166
Extend Cylinder Seal Kit	1	1	1	224034
Main Manifold Seal Kit	1	1	1	224140
Boom				
Wear Pad	2	2	2	230412
Wear Pad	2	2	2	191268
Wear Pad	2	2	2	191270
Wear Pad, Slide	2	2	2	249593
Wear Pad, Spacer	2	2	2	249587
Wear Pad, Spacer	2	2	2	249588

Recommended Service Parts

Description	Year 1 Qty	Year 2 Qty	Year 3 Qty	Skyjack Part No.
Wear Pad, Spacer	2	2	2	249589
Wear Pad, Spacer	2	2	2	249590
Shim, 16 gauge	2	2	2	148837
Shim, 20 gauge	2	2	2	148838

 **Notes**

Section 1 – Main Frame

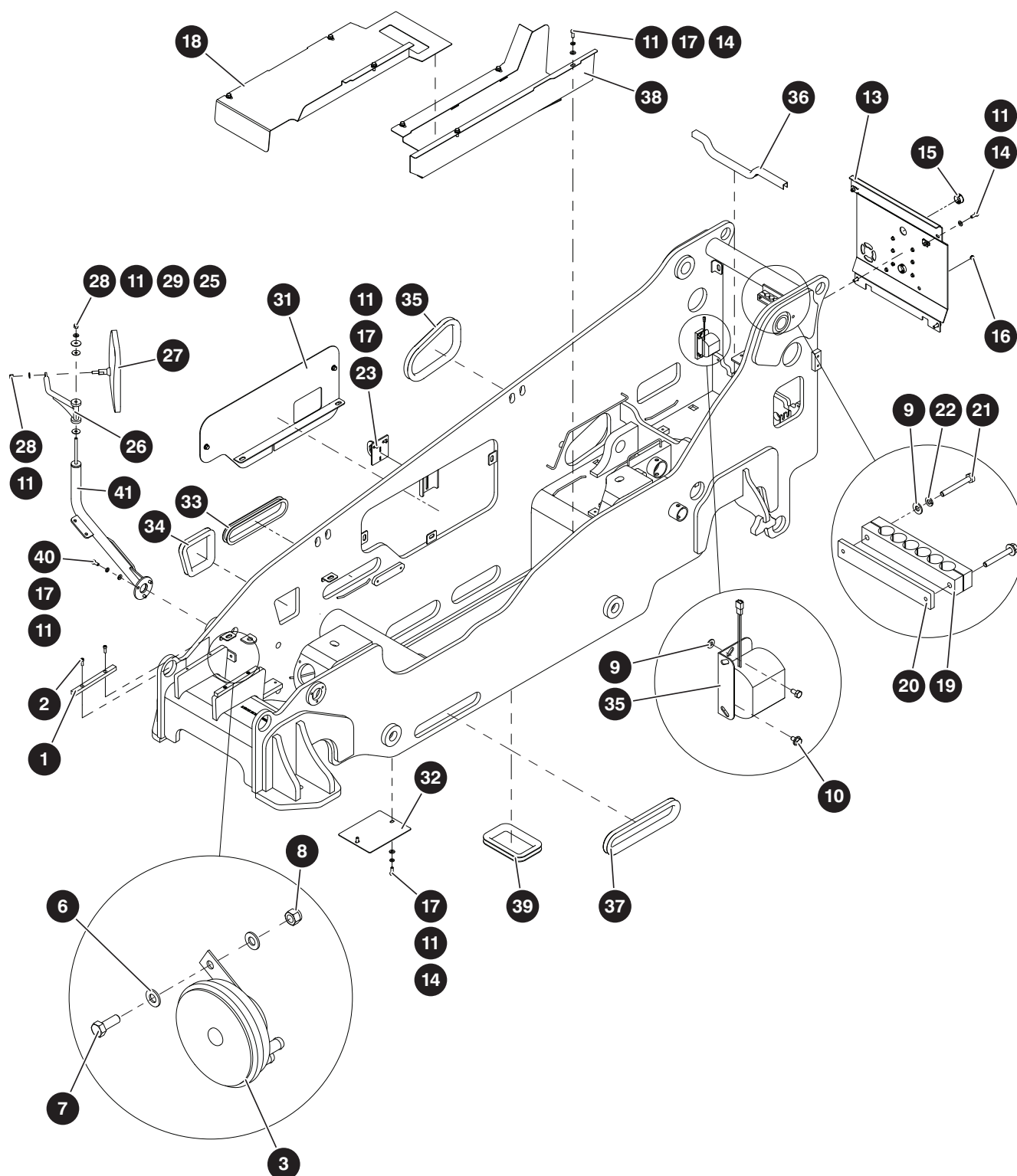
1.1 *Frame (S/N 87 501
291 and below)*

1.3 *Cowling*

1.4 *Fuel Tank*

1.5 *Hydraulic Tank*

1.1 Frame (S/N 87 501 291 and below)

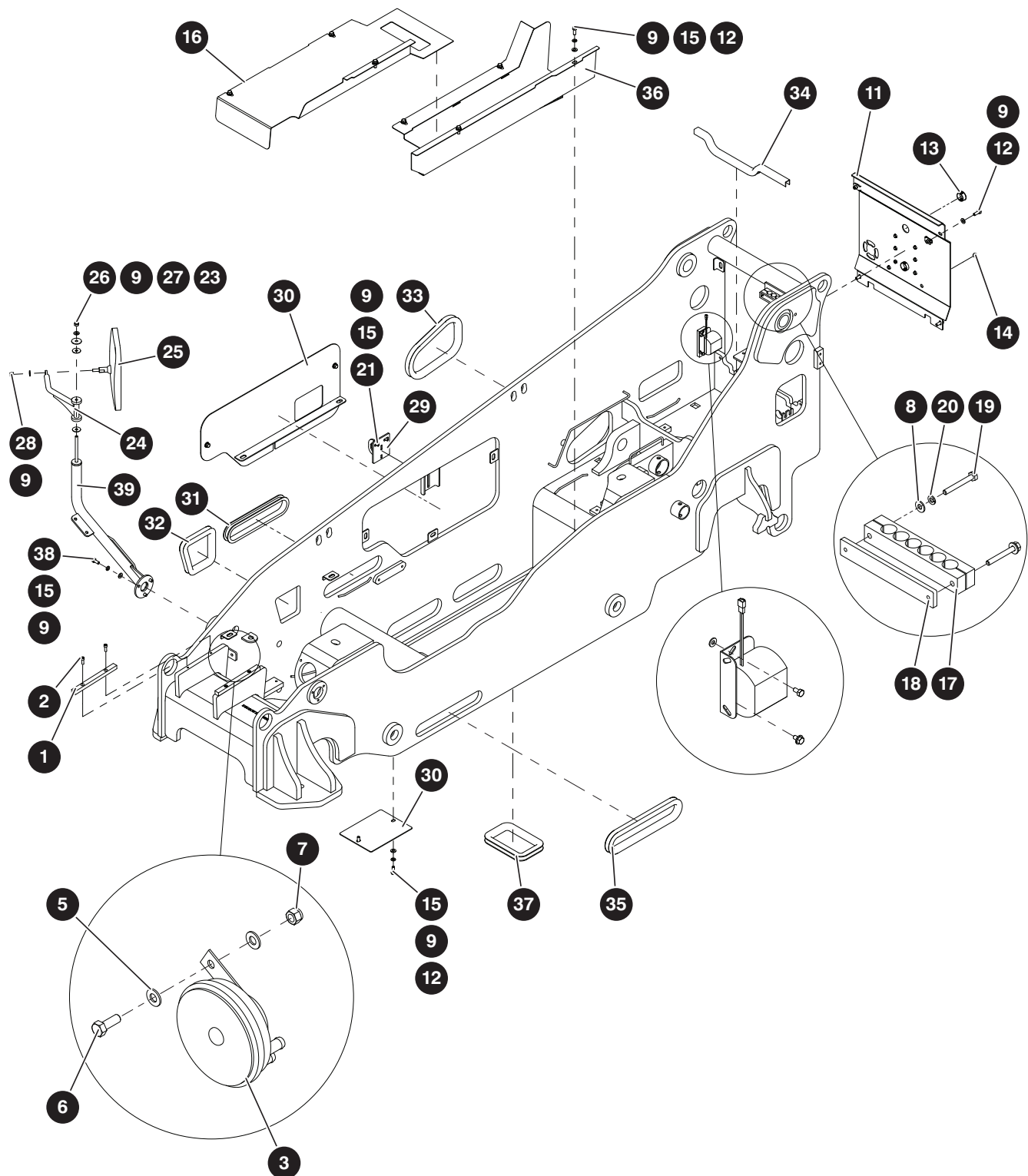


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1.1 Frame (S/N 87 501 291 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	206215	1	FRAME COMPONENTS <i>For serial numbers 87501291 and below.</i>
1	249592	2	• PAD, Frame
2	250676	4	• SCREW, Socket Head Cap (5/16"-18 x 1-1/2")
3	923025	1	• HORN, Electric 12 V
4	159294	9	• NUT, Speed clip 3/8"-16
5	921172	1	• BACK UP ALARM
6	103996	2	• WASHER, Flat 5/16"
7	207266	1	• BOLT, Hex head 5/16"-18 x 0.875 gr5
8	103984	1	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
9	103995	4	• WASHER, Flat 1/4"
10	103855	2	• BOLT, Hex head 1/4"-20 x 1/4" gr5
11	125959	27	• WASHER, Flat 3/8" hard
12	205510	4	• BOLT, Hex head 3/8"-16 x 1.125 gr5
13	206132	1	• COVER, Frame, rear
14	103473	16	• BOLT, Hex head zinc plated (3/8"-16 x 1" gr. 5)
15	197539	2	• PLUG, Snap in for 1-3/8" hole
16	114377	8	• PLUG, Snap in for 1/2" hole
17	103999	17	• WASHER, lock 3/8"
18	206899	1	• COVER, Front
19	206336	1	• CLAMP, Hose
20	206337	1	• PLATE, Clamp top
21	103861	2	• BOLT, Hex head zinc plated (1/4"-20 x 2" Gr. 5)
22	104000	2	• WASHER, Lock 1/4"
23	138464	2	• BOLT, Hex head 3/8"-16 x 5/8" gr5
24	206617	1	• MOUNT, Mirror
25	191892	2	• WASHER, Plastic 3/8" x 1-1/4"
26	191890	1	• WELDMENT, Mirror rotation
27	931379	1	• MIRROR
28	104606	2	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
29	127067	1	• WASHER, Flat 3/8" style
30	206979	1	• BULKHEAD, Weldment
31	206890	1	• COVER, Engine side weldment
32	206488	1	• PLATE, Cover bottom
33	162053	35"	• PROTECTIVE TRIM - 3/4"
34	162053	18"	• PROTECTIVE TRIM - 3/4"
35	162053	18"	• PROTECTIVE TRIM - 3/4"
36	162053	21.2"	• PROTECTIVE TRIM - 3/4"
37	162053	31"	• PROTECTIVE TRIM - 3/4"
38	206901	1	• COVER, rear
39	196566	21	• PROTECTIVE TRIM, 1/2" to 5/8"
40	300437	3	• BOLT, Hex head 3/8"-16 x 7/8" Gr. 5
41	206617	1	• WELDMENT, Mirror mount

1.2 Frame (S/N 87 501 292 and above)

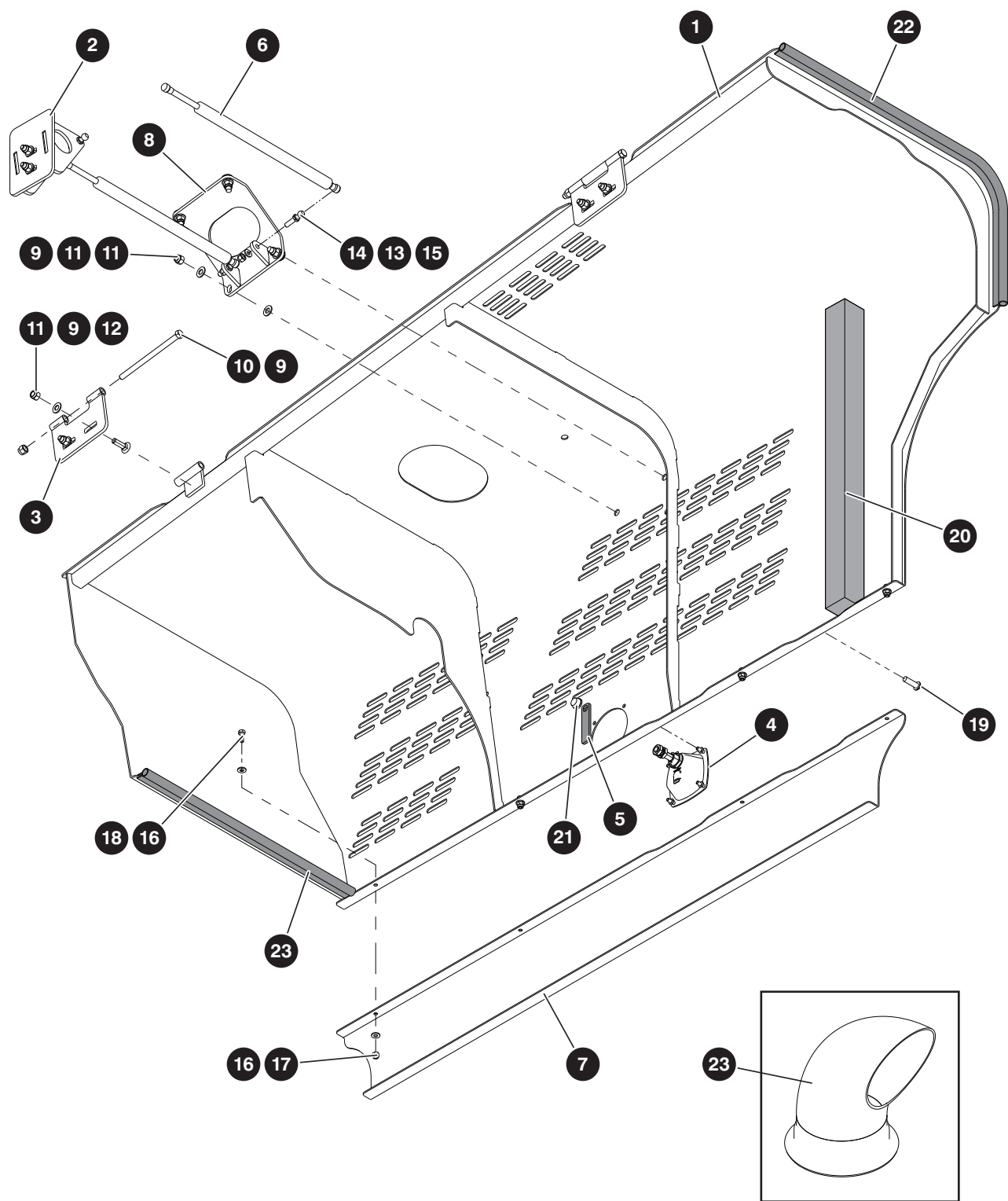


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1.2 Frame (S/N 87 501 292 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	235470	1	FRAME COMPONENTS - <i>For serial numbers 87 501 292 and above.</i>
1	205621	2	• PAD, Frame
2	157822	4	• SCREW, Socket Head Cap 5/16"-18 x 7/8"
3	923025	1	• HORN, Electric 12 V
4	159294	9	• NUT, Speed clip 3/8"-16
5	103996	2	• WASHER, Flat 5/16"
6	207266	1	• BOLT, Hex head 5/16"-18 x 0.875 gr5
7	103984	1	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
8	103995	2	• WASHER, Flat 1/4"
9	125959	27	• WASHER, Flat 3/8" hard
10	205510	4	• BOLT, Hex head 3/8"-16 x 1.125 gr5
11	206132	1	• COVER, Frame, rear
12	103473	16	• BOLT, Hex head zinc plated (3/8"-16 x 1" gr. 5)
13	197539	2	• PLUG, Snap in for 1-3/8" hole
14	114377	8	• PLUG, Snap in for 1/2" hole
15	103999	17	• WASHER, lock 3/8"
16	206899	1	• COVER, Front
17	206336	1	• CLAMP, Hose
18	206337	1	• PLATE, Clamp top
19	103861	2	• BOLT, Hex head zinc plated (1/4"-20 x 2" Gr. 5)
20	104000	2	• WASHER, Lock 1/4"
21	138464	2	• BOLT, Hex head 3/8"-16 x 5/8" gr5
22	206617	1	• MOUNT, Mirror
23	191892	2	• WASHER, Plastic 3/8" x 1-1/4"
24	191890	1	• WELDMENT, Mirror rotation
25	931379	1	• MIRROR
26	104606	2	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
27	127067	1	• WASHER, Flat 3/8" style
28	235466	1	• BULKHEAD, Weldment
29	206890	1	• COVER, Engine side weldment
30	206488	1	• PLATE, Cover bottom
31	162053	35"	• PROTECTIVE TRIM - 3/4"
32	162053	18"	• PROTECTIVE TRIM - 3/4"
33	162053	18"	• PROTECTIVE TRIM - 3/4"
34	162053	21.2"	• PROTECTIVE TRIM - 3/4"
35	162053	31"	• PROTECTIVE TRIM - 3/4"
36	206901	1	• COVER, rear
37	196566	21	• PROTECTIVE TRIM, 1/2" to 5/8"
38	300437	3	• BOLT, Hex head 3/8"-16 x 7/8" Gr. 5
39	206617	1	• WELDMENT, Mirror mount

1.3 Cowling

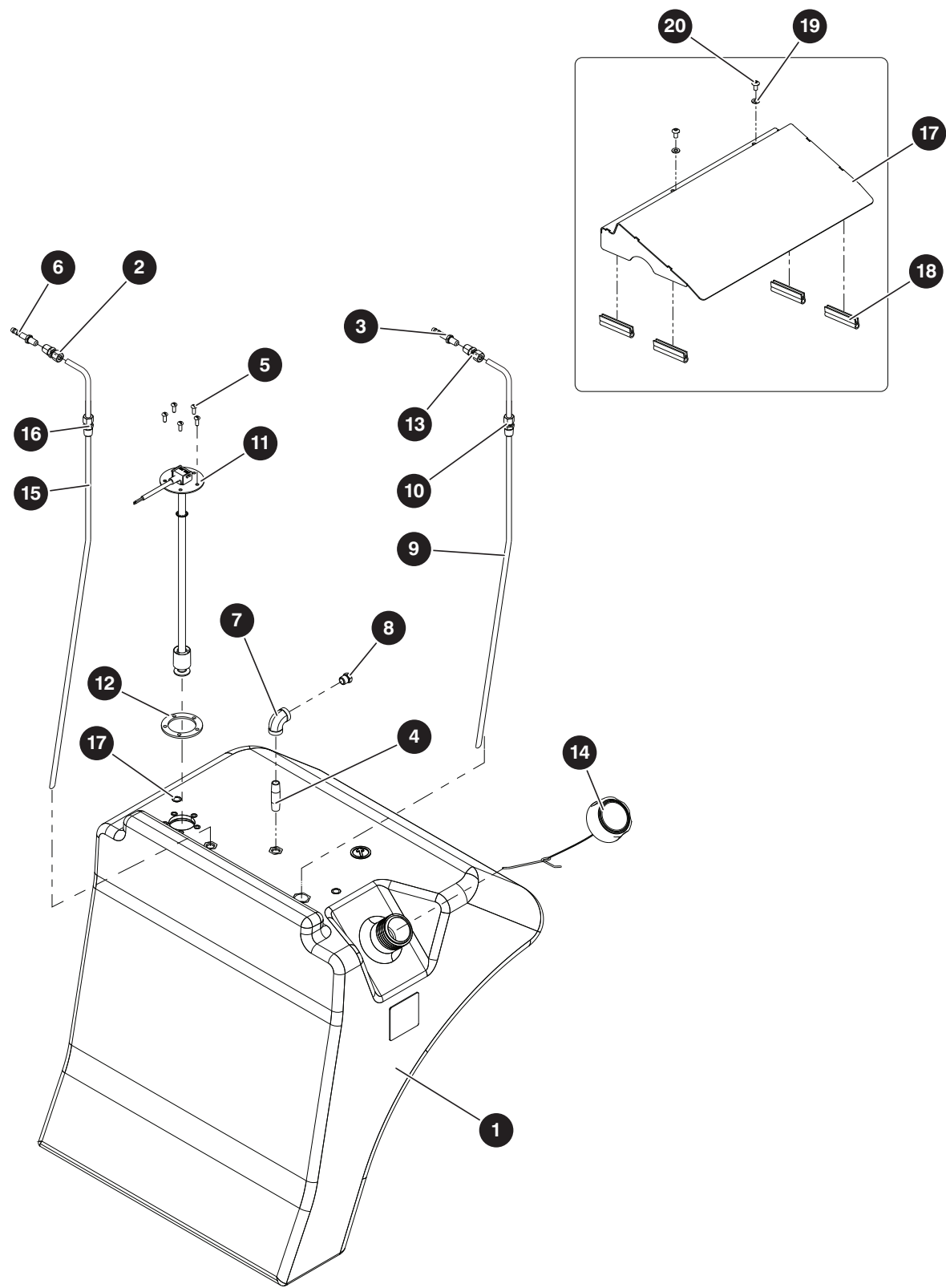


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1.3 Cowling

Index No.	Skyjack Part No.	Qty.	Description
-	206588	1	COWLING GROUP
1	206594	1	• COWLING
2	206762	1	• MOUNT, Chassis strut
3	205672	2	• HINGE, Cowling
4	190462	1	• LATCH, Compression
5	190463	1	• • PLATE, Latch
6	248035	2	• GAS SPRING, Cowling
7	206767	1	• PLATE, Cowling extension
8	206759	1	• MOUNT, Cowling strut
9	104606	12	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
10	138736	2	• BOLT, Hex Head 3/8"-16 x 6" Gr. 5
11	103472	14	• WASHER, Flat 3/8"
12	127393	6	• BOLT, Carriage 3/8"-16 x 1-1/4" Gr. 5
13	103984	4	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
14	103996	4	• WASHER, Flat 5/16"
15	138836	4	• STUD, Ball
16	103995	8	• WASHER, Flat 1/4"
17	115649	4	• NUT, Lock with nylon insert 1/4"-20 Gr. 5
18	103856	4	• BOLT, Hex head zinc plated 1/4"-20 x 3/4" Gr. 5
19	122257	4	• BOLT, Button head cap screw 3/8"-16 x 1-1/4"
20	148368	26.75"	• FOAM SEAL - #1441 (2" X 2")
21	224179	1	• CAP, Protector 13/32" sd
22	149357	55"	• SEAL, Bulb
23	206502	1	EXHAUST

1.4 Fuel Tank

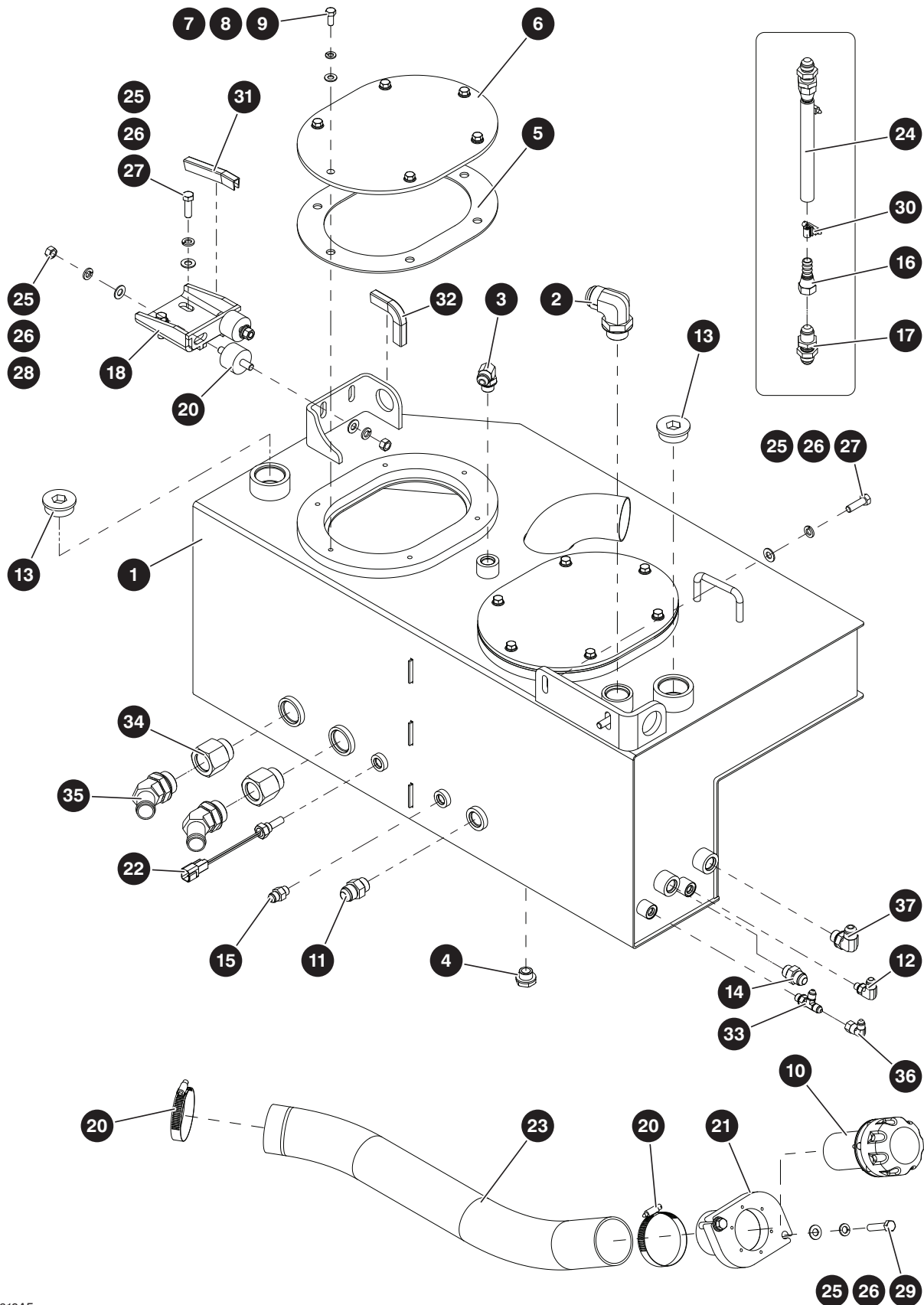


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1.4 Fuel Tank

Index No.	Skyjack Part No.	Qty.	Description
-	205724	1	FUEL TANK
-	256446	1	• FUEL TANK GROUP
1	256444	1	• • TANK, Fuel - SJ519 TH
2	191979	1	• • FITTING, Straight adapter 05 BT - 02 FP
3	191977	1	• • FITTING - Beaded hose barb .500 tube
4	143478	1	• • FITTING - Nipple (04NPTM - 2 LG BRASS)
5	103962	5	• • SCREW, Round Head machine 10-32 x 1/4"
6	191978	1	• • FITTING - Beaded hose barb 5/16" tube
7	144325	1	• • FITTING, 90° (1/4" NPTF x 1/4" NPTF brass)
8	116408	1	• • VENT, Breather-1/4 NPT
-	232371	1	• • TUBE, Fuel diesel suction and fitting
9	232370	1	• • • TUBE, Fuel diesel suction
10	164674	1	• • • FITTING, Tube compression 1/2' OD x 1/2' NPT
11	205725	1	• • FUEL SENDER
12	191253	1	• • GASKET, Fuel tank
13	165716	1	• • FITTING, Straight adapter 08BT06FP
14	144410	1	• • CAP - Fuel (non epa)
-	224182	1	• • TUBE, Fuel diesel return and fitting
15	224181	1	• • • TUBE, Fuel diesel return
16	103155	1	• • • BRASS, Tank fitting #T68-5B
-	240078	1	ASSEMBLY, FUEL TANK COVER
17	238566	1	• COVER, Fuel tank
18	149357	16	• SEAL, Bulb (0.090"-0.12 Grip)
19	103472	2	• WASHER, Flat 3/8"
20	101632	2	• BOLT, Hex head 3/8"-16 x 3/4" Gr. 5

1.5 Hydraulic Tank

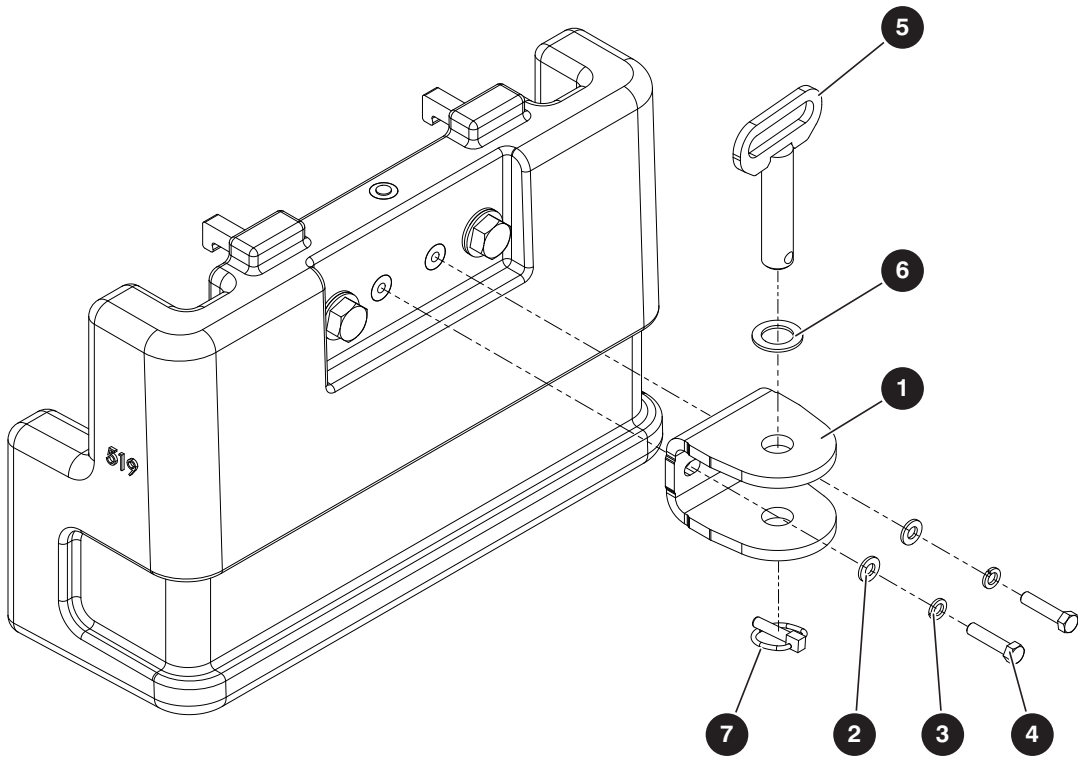


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1.5 Hydraulic Tank

Index No.	Skyjack Part No.	Qty.	Description
-	205812	1	HYDRAULIC TANK
-	205849	1	• TANK,Hydraulic
1	205848	1	• • TANK, Hydraulic
2	707040	1	• • FITTING, 90° (16 JICM-16 ORBM)
3	114583	1	• • FITTING, 90° (08 JICM-08 ORBM)
4	117701	1	• • PLUG, Tank (3/4" 16 UNF with magnet
5	191231	2	• • GASKET, Hydraulic tank
6	205521	2	• • PLATE, Access cover
7	103996	12	• • WASHER, Flat 5/16"
8	103404	12	• • WASHER, Lock 5/16"
9	103887	12	• • BOLT, Hex Head 5/16"-18 x 3/4" Gr. 5
10	191484	1	• • FILLER BREATHER, 1 psi
11	137630	1	• FITTING, 10 ORBM to 10 JICM
12	113348	1	• FITTING, 90° (06 JICM - 04 ORBM)
13	144113	2	• PLUG, Fitting (20 orb hex socket)
14	102659	1	• FITTING, Straight (08 JICM - 08 ORBM)
15	103069	1	• FITTING, Straight (06 JICM - 06 ORBM)
16	144087	2	• FITTING, Straight swivel (08 B - 08 JICFS)
17	702598	2	• FITTING, 8 JIC with lock nut
18	191959	1	• MOUNT, Hydraulic tank
19	205585	2	• ISOLATOR, Stud mount
20	163193	2	• CLAMP, Hose (3")
21	205840	1	• MOUNT, Oil fill
22	206525	1	• SWITCH, Temperature 200f
23	H784000460	1	• HOSE, Hydraulic
24	206463	1	• TUBE, Clear vinyl 1/2" ID x 3/4" OD x 6.75" long
25	125959	10	• WASHER, Flat 3/8" hard
26	103999	10	• WASHER, Lock 3/8"
27	101297	4	• BOLT, Hex head zinc plated 3/8"-16 x 1-1/4" Gr. 5
28	103978	4	• NUT, Hex 3/8" - 16 Gr. 5
29	103871	2	• BOLT, Hex Head 3/8"-16 x 1-3/4" Gr. 5
30	102519	2	• CLAMP, Hose (3/8")
31	119922	4	• PROTECTIVE TRIM 1/4"-1/2"
32	119922	4.375"	• PROTECTIVE TRIM 1/4"-1/2"
33	211844	1	• FITTING, Run tee (04 JICM - 04 ORBM - 04 JICM)
34	160919	2	• FITTING, Straight (16 ORBM - 16 ORBF)
35	224189	2	• FITTING, 45° (16 BEAD - 16 ORBM)
36	702875	1	• FITTING - 90° Swivel (04 JICM - 04 JICFS)
37	114583	1	• FITTING, 90° (08 JICM - 08 ORBM)

1.6 Rear Hitch



M2056885AE

1.6 Rear Hitch

Index No.	Skyjack Part No.	Qty.	Description
-	206685	1	REAR HITCH
1	206898	1	PLATE HITCH
2	104379	2	WASHER, FLAT 0.500 HARD
3	103470	2	WASHER, LOCK 1/2 NOM X 0.12
4	106447	2	BOLT, HXHD 0.50-13 X 2.250 GR8
5	206687	1	PIN WELDMENT HITCH
6	101520	1	WASHER, NYLON 2 OD X 1.28 ID X 0.12
7	923135	1	PIN, LYNCH 0.4375 DIA X 1.750LG

 **Notes**

Section 2 – Axles

2.1

*Front Axle (S/N 87 501
291 and below)*

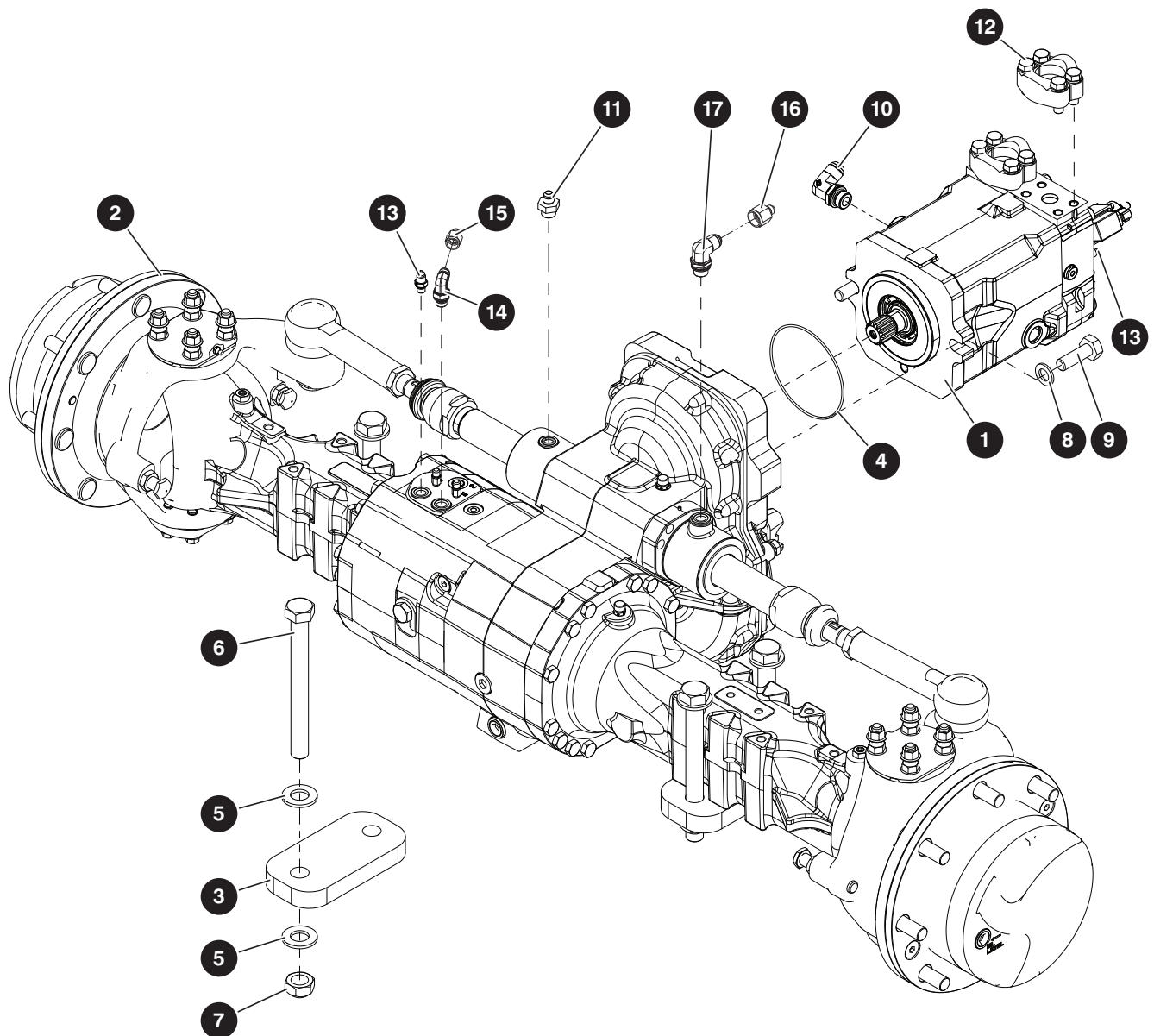
2.9

Rear Axle

2.17

*Tire and Wheel
Assembly*

2.1 Front Axle (S/N 87 501 291 and below)



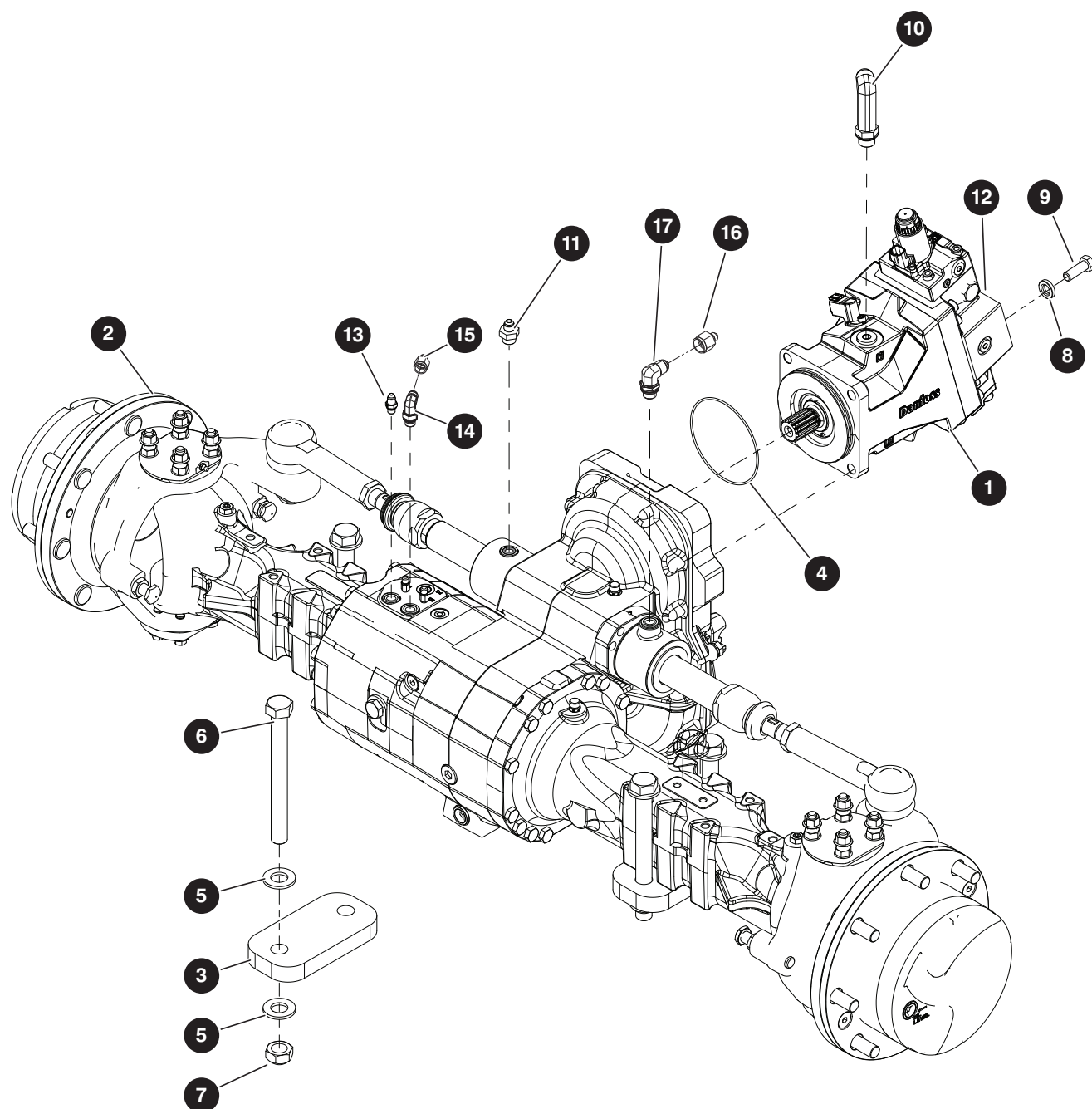
M205739AI

205739

2.1 Front Axle (S/N 87 501 291 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	FRONT AXLE - <i>For serial numbers 87501291 and below.</i>
1	206918	1	• MOTOR, HYDRAULIC, 105 CC VARIABLE
-	224151	1	• • SEAL, SHAFT
-	224152	1	• • RING, SUPPORT
-	224153	1	• • RING, SNAP
-	224154	1	• • COIL
-	224155	1	• • VALVE, FLUSHING
-	224156	1	• • VALVE, SWITCH
-	224157	1	• • SEAL KIT
-	233004	1	• • O-Ring (<i>only for machines with serial number 87500251 to 87500277</i>)
2	205226	1	• AXLE, Front - dropbox SJ519
3	205680	2	• PLATE, Axle mount
4	206990	1	• O-RING, 70 Durometer nitrile
5	205682	8	• WASHER, Flat 7/8" hard
6	205683	4	• BOLT, Hex Head 7/8"-9 x 8-1/2" Gr. 8
7	147498	4	• NUT, Lock 7/8"-9 Gr C
8	144329	2	• WASHER, Flat hard zinc plated (M16)
9	221310	2	• BOLT, Hex Head M16 x 2 x 45 mm CL 8.8 zinc plated
10	206133	1	• FITTING, 90° (10 JICM - M22 ORBM)
11	224200	1	• FITTING, Straight (M18M - 06JICM)
12	206473	2	• FLANGE KIT, Split code 62 - 16 M12
13	236285	2	• FITTING, Straight (M14M - 04JICM)
14	149224	1	• FITTING, 90° (M14M-06JICM)
15	707041	1	• FITTING, Straight (06JICF - 04JICM)
16	110498	1	• FITTING, Straight (08JICF - 06JICM)
17	224296	1	• FITTING, 90° (M18M - 08JICM)

2.2 Front Axle (S/N 87 501 292 and above)



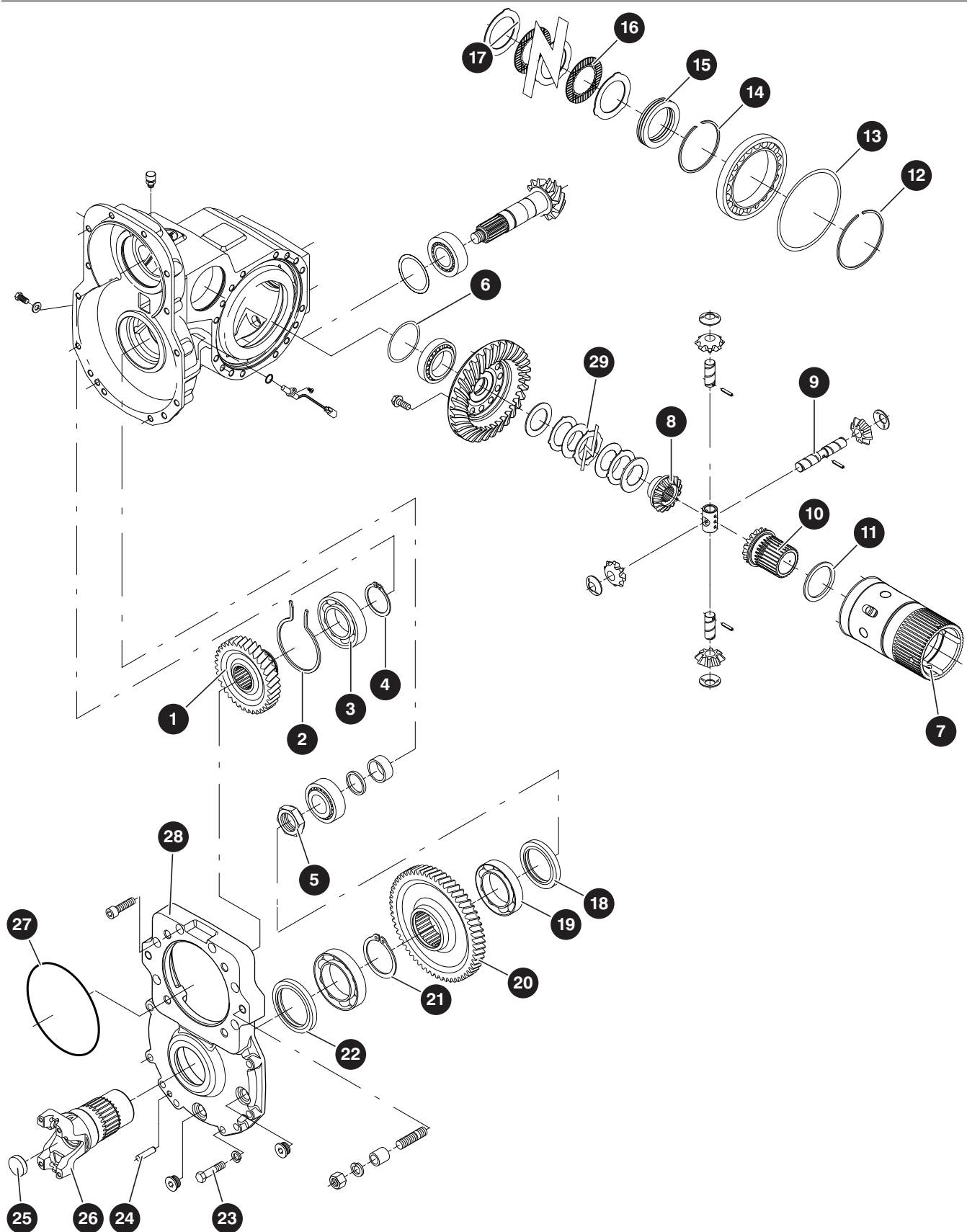
M205739A/

235460

2.2 Front Axle (S/N 87 501 292 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	FRONT AXLE - <i>For serial numbers 87501292 and above.</i>
1	233096	1	• MOTOR, HYDRAULIC, 80 CC VARIABLE
2	235459	1	• AXLE, Front - dropbox SJ519
3	205680	2	• PLATE, Axle mount
4	235465	1	• O-RING, 70 Durometer nitrile
5	205682	8	• WASHER, Flat 7/8" hard
6	205683	4	• BOLT, Hex Head 7/8"-9 x 8-1/2" Gr. 8
7	147498	4	• NUT, Lock 7/8"-9 Gr C
8	933630	4	• WASHER, Hard (M12)
9	933666	2	• BOLT, Hex Head M12 x 1.75 x 35 mm Gr. 10.9
10	191857	1	• FITTING, 90° (10 JICM - M22 ORBM)
11	224200	1	• FITTING, Straight (M18M - 06JICM)
12	206473	2	• FLANGE KIT, Split code 62 - 16 M12
13	236285	2	• FITTING, Straight (M14M - 04JICM)
14	149224	1	• FITTING, 90° (M14M-06JICM)
15	707041	1	• FITTING, Straight (06JICF - 04JICM)
16	110498	1	• FITTING, Straight (08JICF - 06JICM)
17	224296	1	• FITTING, 90° (M18M - 08JICM)

2.3 Front Axle - Differential

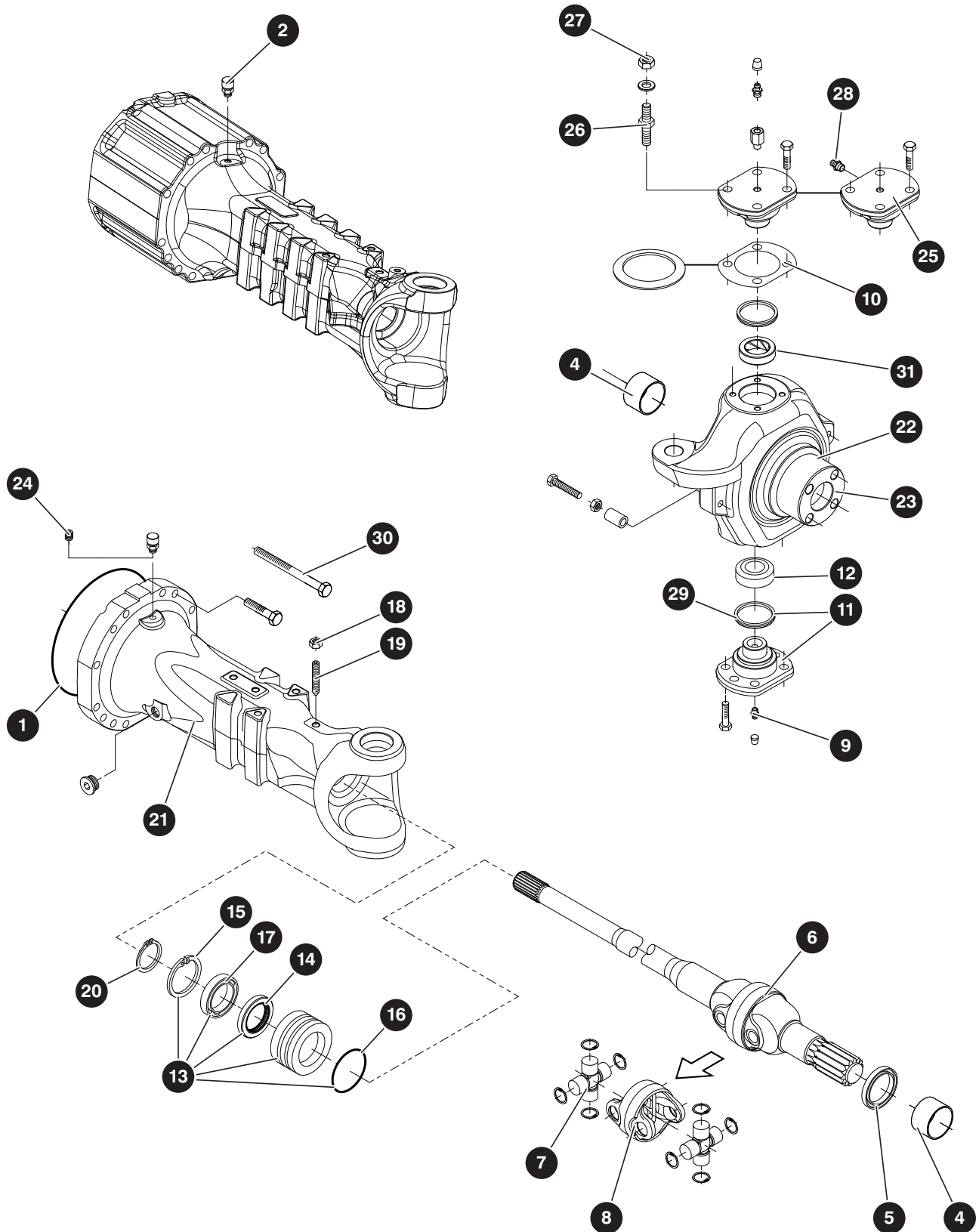


M205739 - Differential

2.3 Front Axle - Differential

Index No.	Skyjack Part No.	Qty.	Description
1	224416	1	GEAR
2	224417	1	CIRCLIP
3	224418	1	BALL BEARING
4	224419	1	CIRCLIP
5	224420	1	RING NUT
6	224421	1	KIT, SHIM
7	224422	1	CARRIER, DIFFERENTIAL
8	224423	1	GEAR, SIDE, DIFFERENTIAL
9	224424	1	PIN
10	224425	1	GEAR, SIDE, DIFFERENTIAL
11	224426	1	WASHER, FRICTION
12	224427	1	CIRCLIP
13	224428	1	KIT, SHIM
14	224429	1	CIRCLIP
15	224430	1	BEARING
16	224431	7	DISC, CLUTCH
17	224432	8	DISC, INTERMEDIATE CLUTCH
18	224433	1	SEAL
19	224434	1	BALL BEARING
20	224435	1	GEAR
21	224436	1	CIRCLIP
22	224437	1	SEAL
23	224438	8	BOLT
24	224439	1	DOWEL
25	224440	1	PLUG
26	224441	1	FLANGE
27	224442	1	O-RING
28	224443	1	COVER
29	224444	1	DISC, CLUTCH

2.4 Front Axle - Hub Reduction

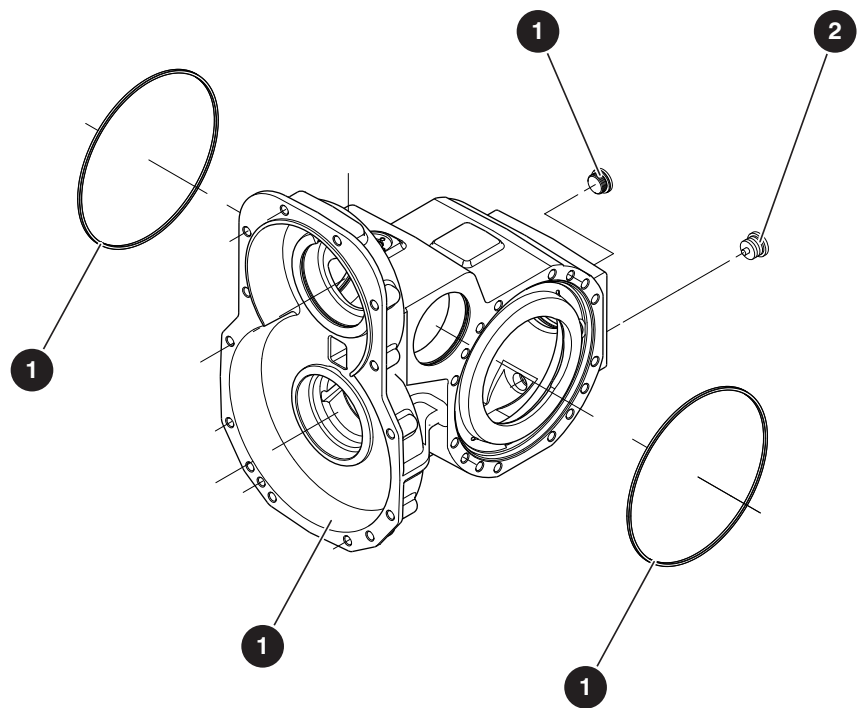


M205740 - Hub Reduction

2.4 Front Axle - Hub Reduction

Index No.	Skyjack Part No.	Qty.	Description
1	224356	2	O-RING
2	224357	1	PLUG
3	224358	28	BOLT
4	224359	2	BUSHING
5	224360	2	SEAL
6	224361	1	JOINT, UNIVERSAL
7	224388	2	• JOINT, CROSS
8	224389	1	• JOINT, CENTER SECTION
9	224362	2	FITTING, GREASE
10	224363	1	KIT, FITTING
11	224366	2	PIN, PIVOT
12	224365	2	• ARTICULATION
13	224368	2	BUSHING, REDUCTION
14	224374	2	• SEAL
15	224377	2	• CIRCLIP
16	224378	2	• O-RING
17	224375	2	• BEARING
18	224372	2	NUT
19	224373	2	BOLT
20	224379	2	CIRCLIP
21	224445	2	CASE, AXLE
22	224381	1	CASE, RIGHT STEERING
23	224383	1	CASE, LEFT STEERING
24	224382	1	PLUG
25	224384	2	PIN, PIVOT
26	224385	8	STUD
27	224386	8	NUT
28	224387	2	FITTING, GREASE
29	224446	2	SEAL
30	224449	14	BOLT, HEX
31	151765	1	BUSHING

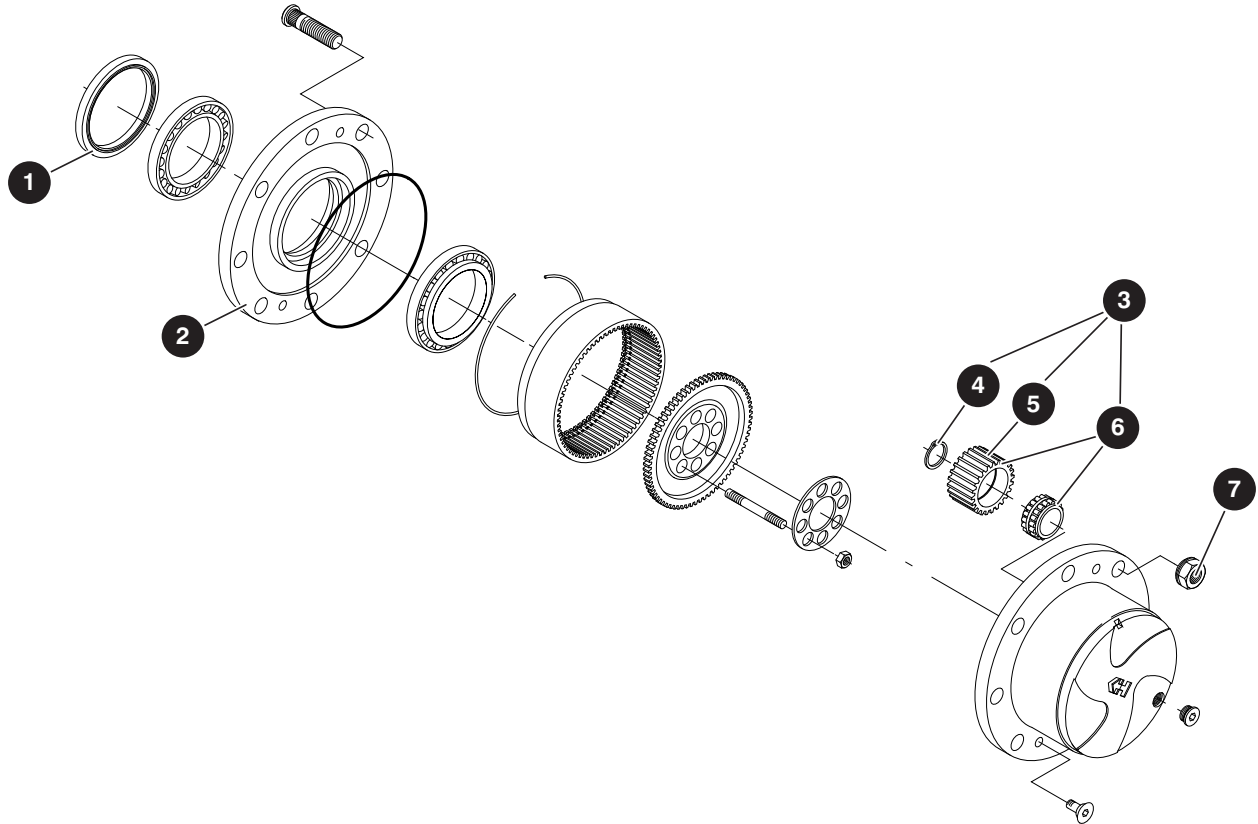
2.5 Front Axle - Central Housing



M205739 - Housing

Index No.	Skyjack Part No.	Qty.	Description
1	224410	1	HOUSING
2	224411	1	MAGNETIC PLUG
3	224412	1	PLUG

2.6 Front Axle - Hub Reduction



M224369AA

Index No.	Skyjack Part No.	Qty.	Description
1	224369	2	SEAL
2	224376	2	HUB, WHEEL
3	151767	2	CARRIER, PLANET GEAR
4	141028	3	• CIRCLIP
5	141032	1	• CARRIER, PLANET GEAR
6	216251	6	• KIT, PLANET GEAR
7	224448	16	NUT

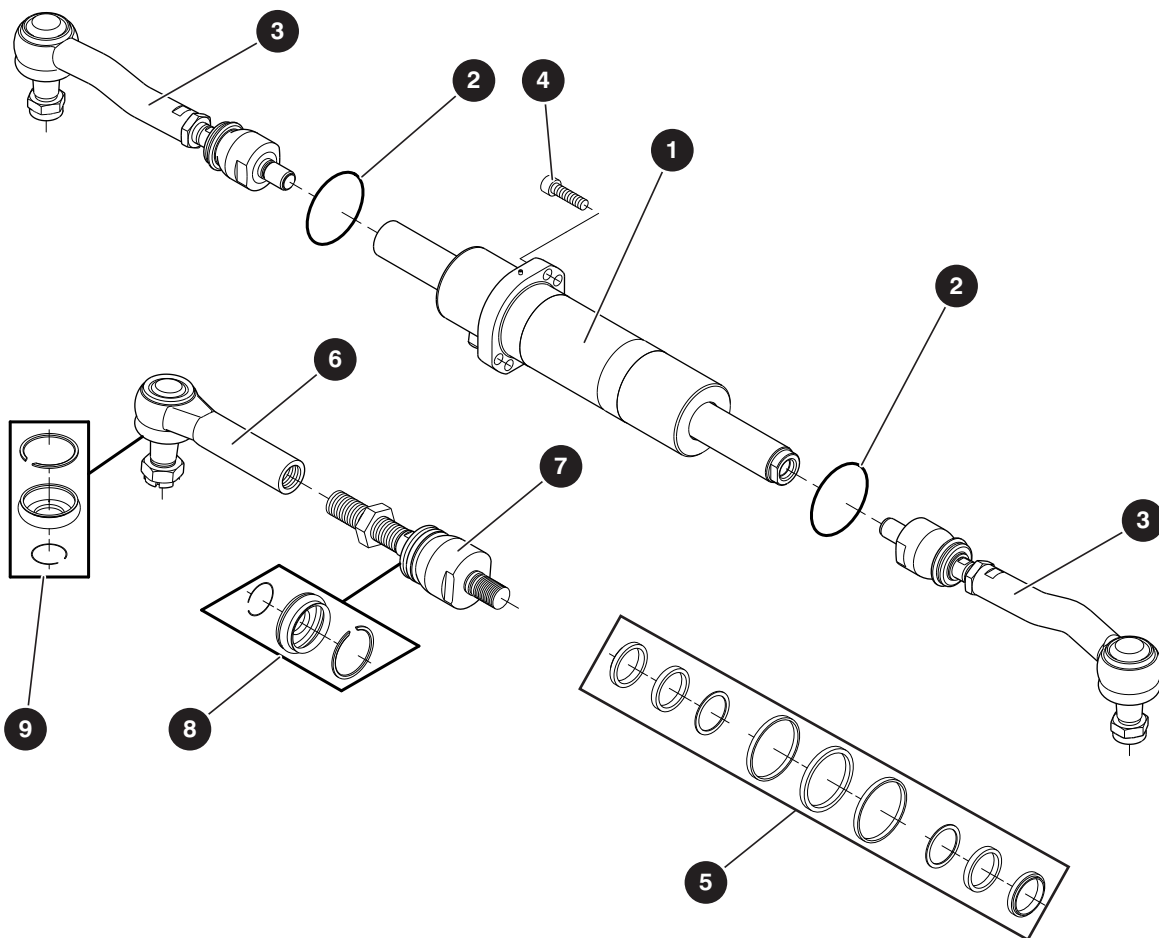
SJ519 TH

SKYJACK

216941AF

35

2.7 Front Axle - Steering

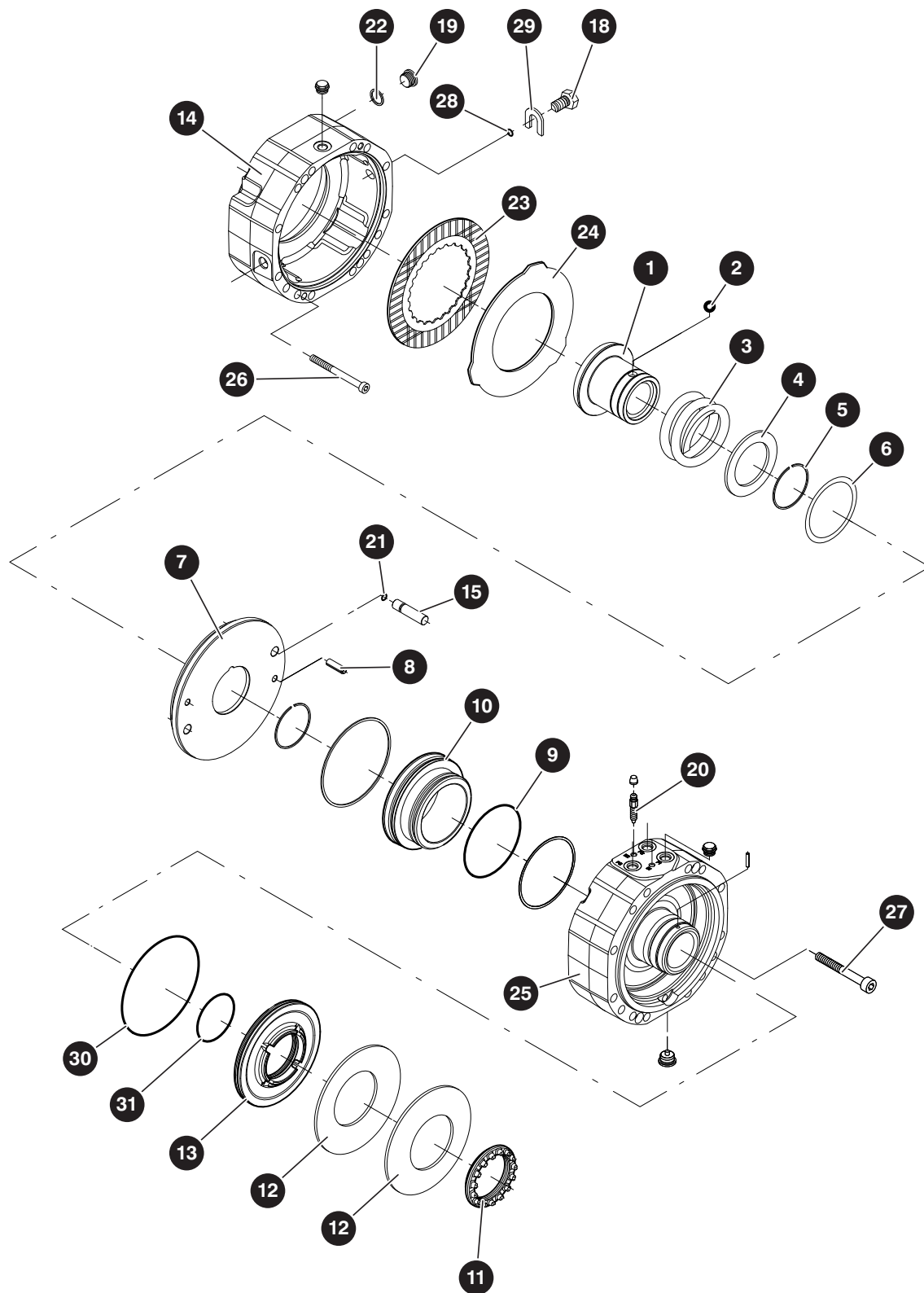


M205740 - Steering

Index No.	Skyjack Part No.	Qty.	Description
1	224390	1	CYLINDER
2	224391	2	RING
3	224392	2	BAR
4	224393	4	BOLT
5	224394	1	KIT, SEAL
6	224395	1	JOINT, 90 DEGREE
7	224396	1	JOINT, AXIAL
8	224397	1	KIT, RUBBER BOOT & LOCKING RING
9	224398	1	KIT, RUBBER BOOT & LOCKING RING

 **Notes**

2.8 Front Axle - Brakes



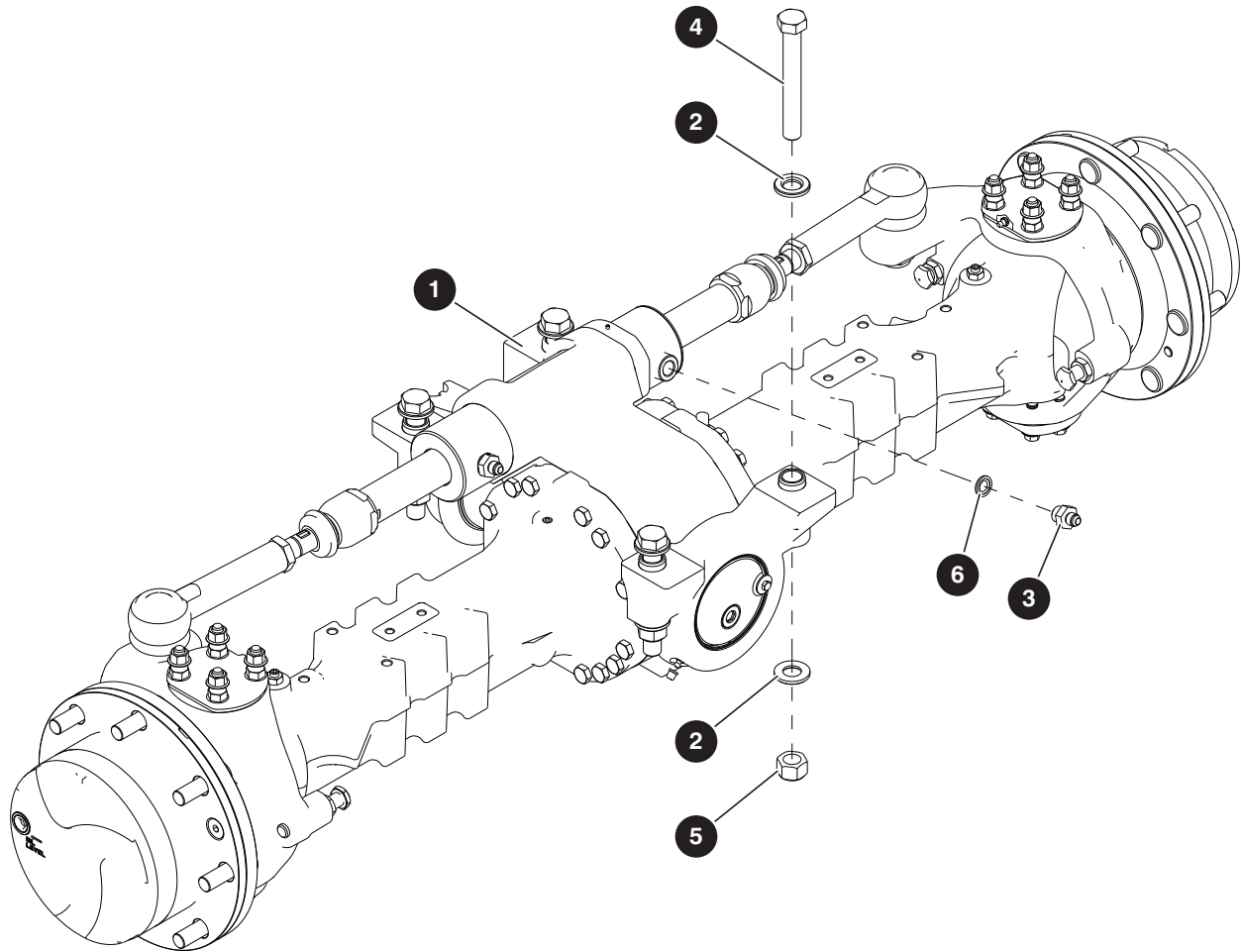
M205739 - Brakes

216941AF

2.8 Front Axle - Brakes

Index No.	Skyjack Part No.	Qty.	Description
1	224450	1	BUSHING
2	224451	2	DETEND BALL
3	224452	1	SPRING
4	224453	1	SPACER
5	224454	2	CIRCLIP
6	224455	1	KIT, SHIM
7	224456	1	DISC, INTERMEDIATE BRAKE
8	224457	2	ROLL PIN
9	224458	1	O-RING
10	224459	1	PISTON
11	224460	1	RING NUT
12	224461	2	SPRING
13	224462	1	PISTON
14	224463	1	HOUSING, AXLE STEERING
15	224464	3	PIN
18	224465	2	BOLT
19	224466	1	PLUG
20	224467	2	BOLT, BLEEDING
21	224468	3	O-RING
22	224469	1	WASHER
23	224470	6	DISC, BRAKE
24	224471	6	DISC, INTERMEDIATE BRAKE
25	224472	1	HOUSING, AXLE STEERING
26	224473	2	BOLT, CYLINDER
27	224474	2	BOLT, CYLINDER
28	224475	2	O-RING
29	224476	2	SPACER
30	224477	1	O-RING
31	224478	1	O-RING

2.9 Rear Axle

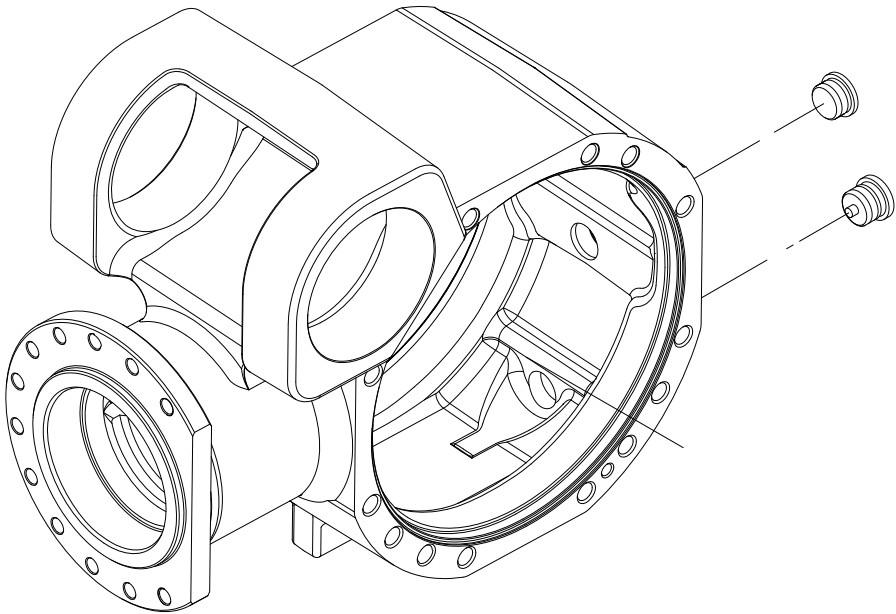


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205740

Index No.	Skyjack Part No.	Qty.	Description
-	-	1	REAR AXLE
1	205227	1	• AXLE, Rear SJ519
2	933632	8	• WASHER, Structural M20 hard
3	224200	2	• FITTING, Straight (M18M-06JICM) - seal
4	933675	4	• BOLT, Hex Head M20 - 2-1/2" x 150 mm Gr. 10.9 zinc plated
5	138737	4	• NUT, Crownlock M20 - 2-1/2" Gr. 10.9 zinc plated

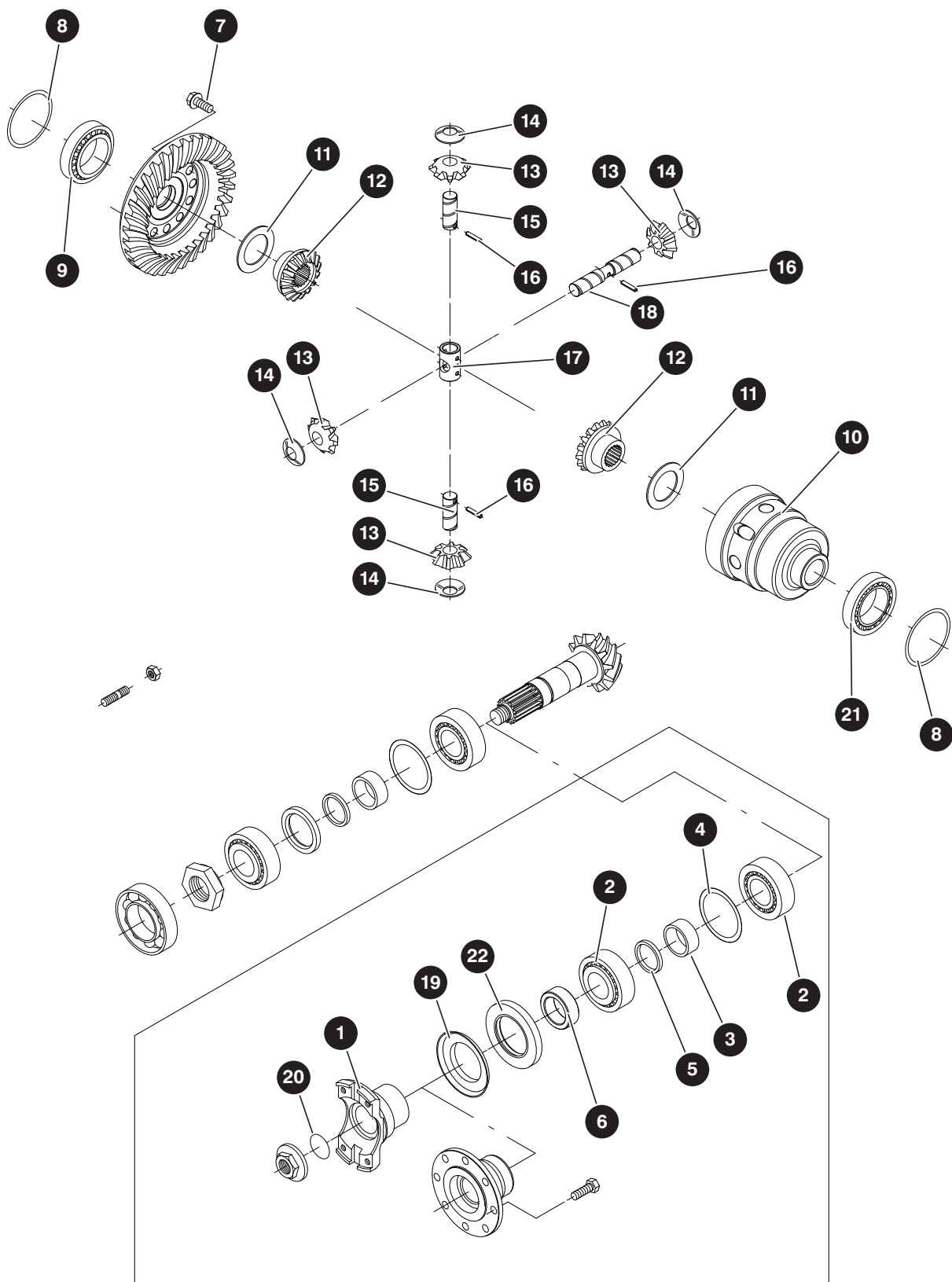
2.10 Rear Axle Housing



M224334AA

Index No.	Skyjack Part No.	Qty.	Description
-	224334	1	HOUSING

2.11 Rear Axle - Differential

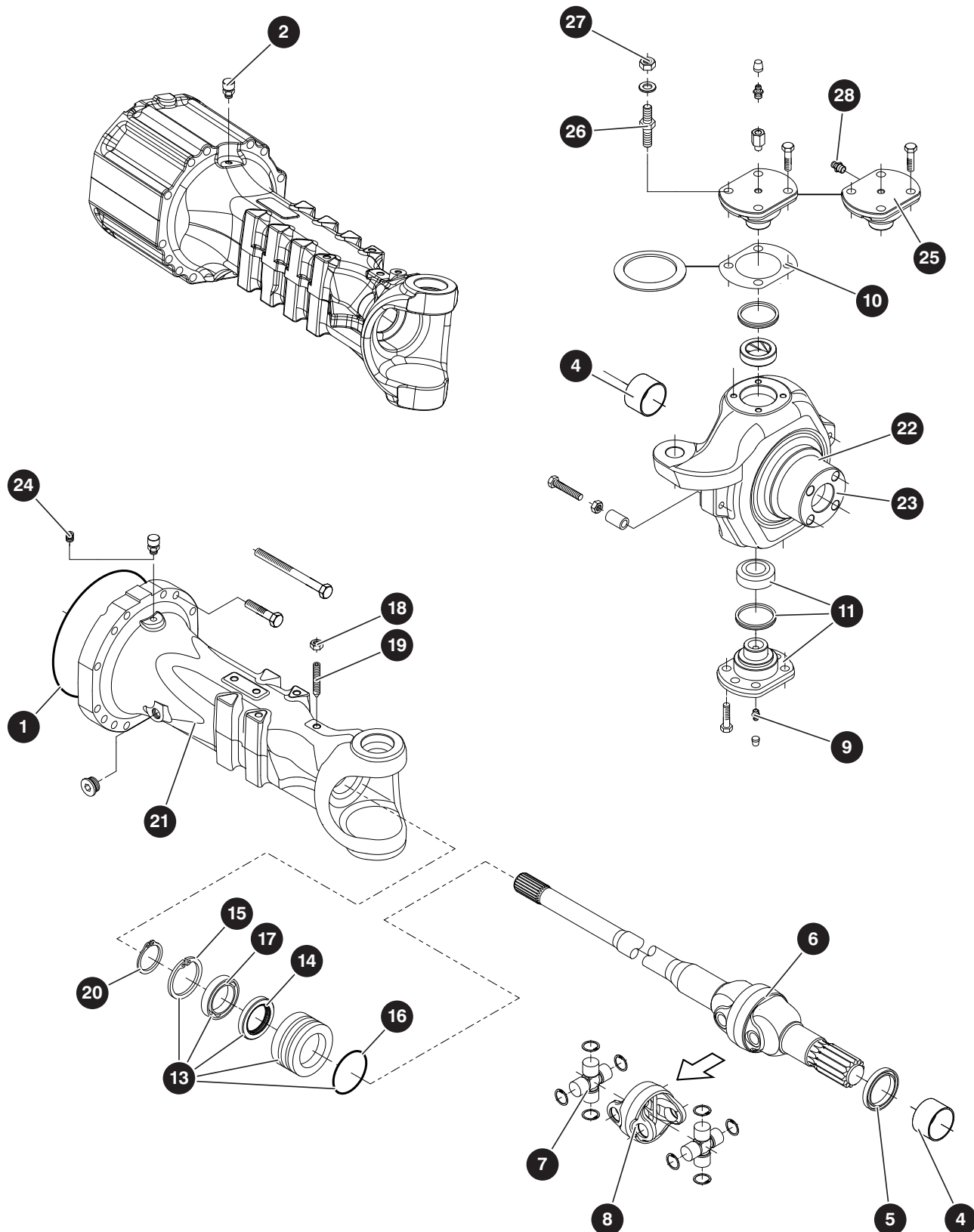


M205740 - Differential

2.11 Rear Axle - Differential

Index No.	Skyjack Part No.	Qty.	Description
1	224335	1	FLANGE
2	224336	2	BEARING
3	224337	1	SPACER
4	224338	1	KIT, SHIM
5	224339	1	KIT, SHIM
6	224340	1	SPACER
7	224341	12	BOLT
8	224342	1	KIT, SHIM
9	224355	1	KIT, DIFFERENTIAL
10	224344	1	• CARRIER, DIFFERENTIAL
11	224345	2	• WASHER, FRICTION
12	224346	2	• SIDE GEAR, DIFFERENTIAL
13	224347	4	• PINION, DIFFERENTIAL
14	224348	4	• WASHER, FRICTION
15	224349	2	• PIN
16	224350	3	• DOWEL
17	224352	1	• RETAINER, SHAFT
18	224424	1	• PIN
19	224353	1	PLATE, COVER
20	224354	1	O-RING
21	224343	2	BEARING, TAPER ROLLER
22	170792	1	SEAL, Input shaft

2.12 Rear Axle - Hub Reduction

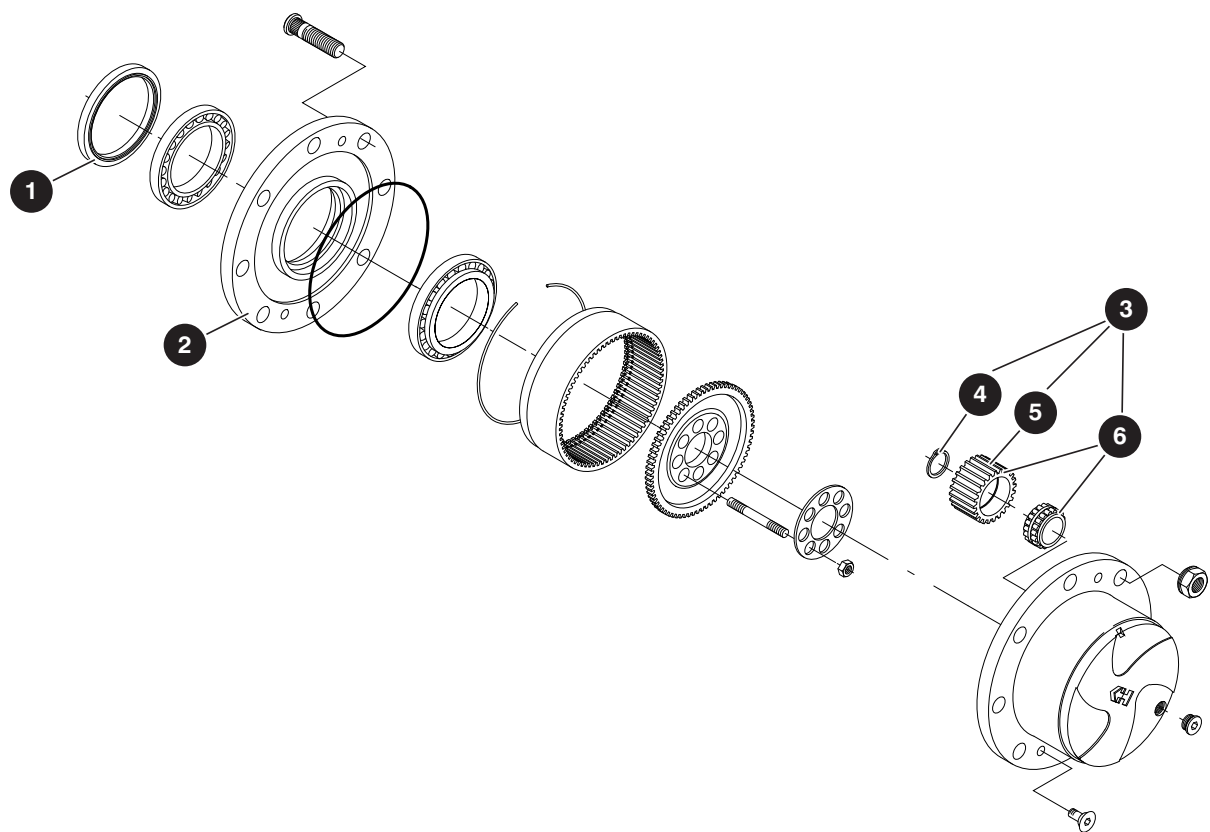


M205740 - Hub Reduction

2.12 Rear Axle - Hub Reduction

Index No.	Skyjack Part No.	Qty.	Description
1	224356	2	O-RING
2	224357	1	PLUG
3	224358	28	BOLT
4	224359	2	BUSHING
5	224360	2	SEAL
6	224361	1	JOINT, UNIVERSAL
7	224388	2	• JOINT, CROSS
8	224389	1	• JOINT, CENTER SECTION
9	224362	2	FITTING, GREASE
10	224363	1	KIT, FITTING
11	224366	2	PIN, PIVOT
12	224365	2	• ARTICULATION
13	224368	2	BUSHING, REDUCTION
14	224374	2	• SEAL
15	224377	2	• CIRCLIP
16	224378	2	• O-RING
17	224375	2	• BEARING
18	224372	2	NUT
19	224373	2	BOLT
20	224379	2	CIRCLIP
21	224380	2	CASE, AXLE
22	224381	1	CASE, RIGHT STEERING
23	224383	1	CASE, LEFT STEERING
24	224382	1	PLUG
25	224384	2	PIN, PIVOT
26	224385	8	STUD
27	224386	8	NUT
28	224387	2	FITTING, GREASE

2.13 Rear Axle - Hub Reduction

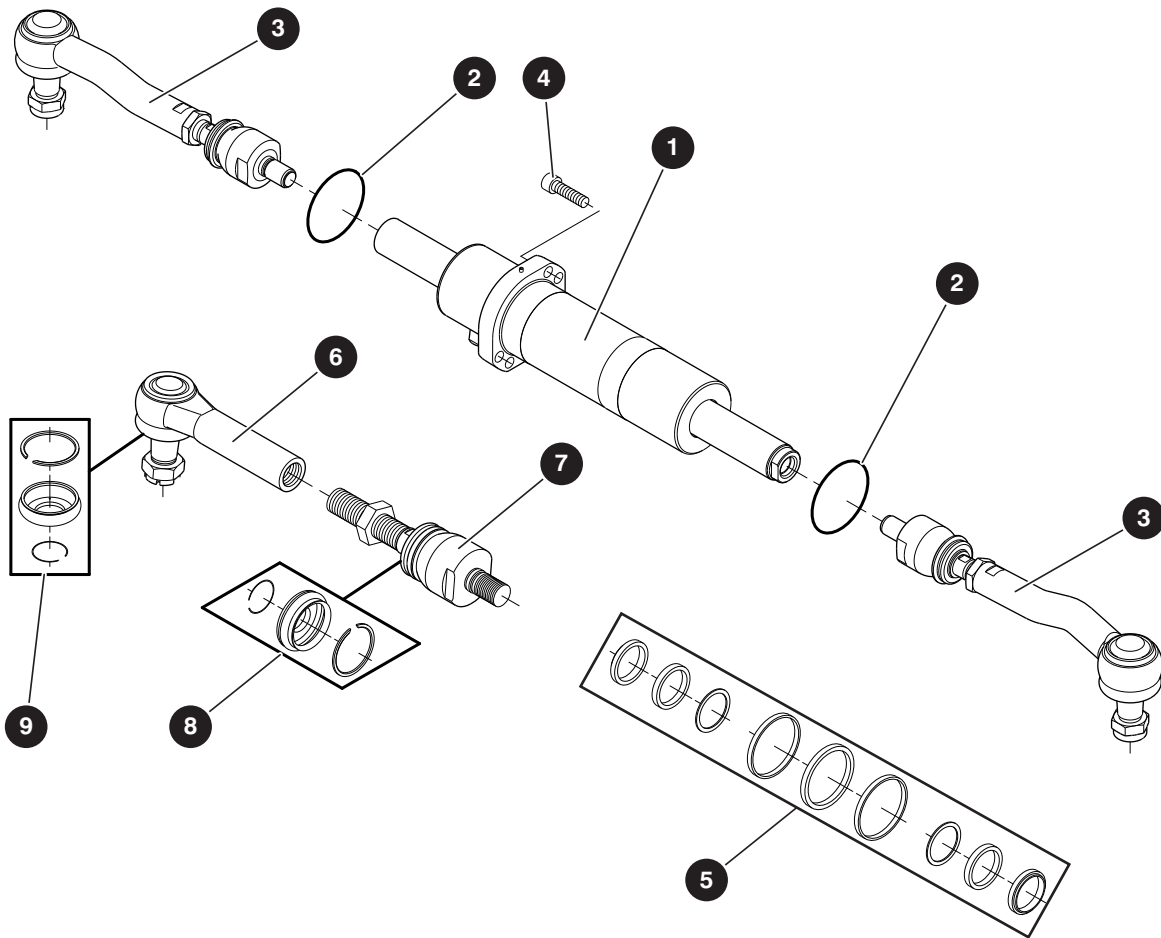


M224369AA

Index No.	Skyjack Part No.	Qty.	Description
1	224369	2	SEAL
2	224376	2	HUB, WHEEL
3	151767	2	CARRIER, PLANET GEAR
4	141028	3	• CIRCLIP
5	141032	1	• CARRIER, PLANET GEAR
6	216251	6	• KIT, PLANET GEAR

216941AF

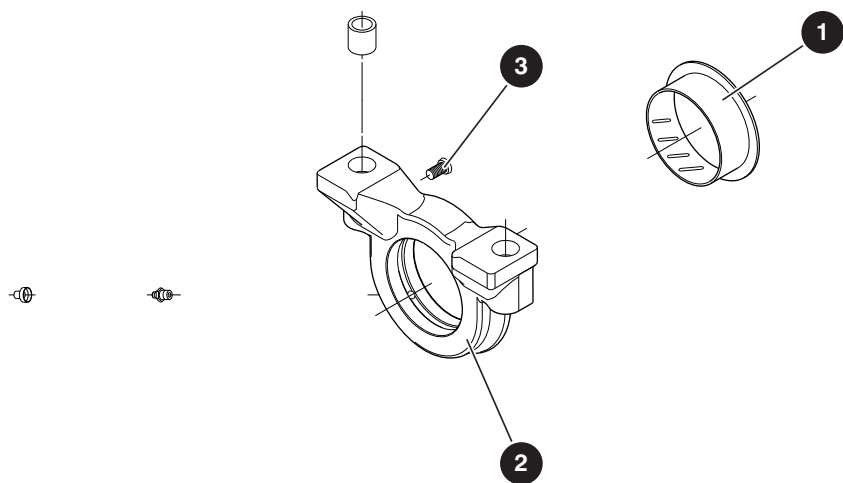
2.14 Rear Axle - Steering



M205740 - Steering

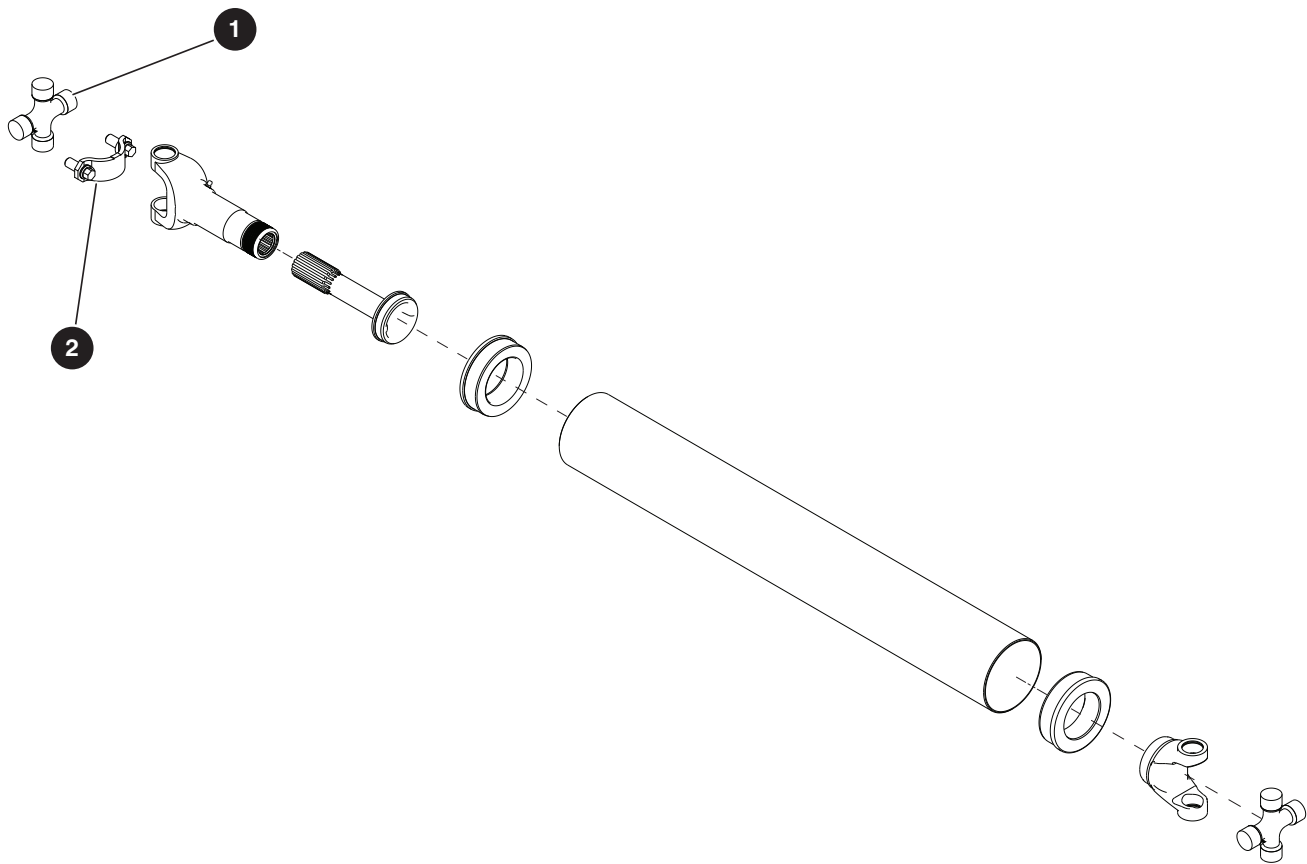
Index No.	Skyjack Part No.	Qty.	Description
1	224390	1	CYLINDER
2	224391	2	RING
3	224392	2	BAR
4	224393	4	BOLT
5	224394	1	KIT, SEAL
6	224395	1	JOINT, 90 DEGREE
7	224396	1	JOINT, AXIAL
8	224397	1	KIT, RUBBER BOOT & LOCKING RING
9	224398	1	KIT, RUBBER BOOT & LOCKING RING

2.15 Rear Axle - Trunion



M205740 - Trunion

Index No.	Skyjack Part No.	Qty.	Description
1	224413	2	BUSHING, THRUST
2	224414	2	SUPPORT
3	224415	2	BOLT

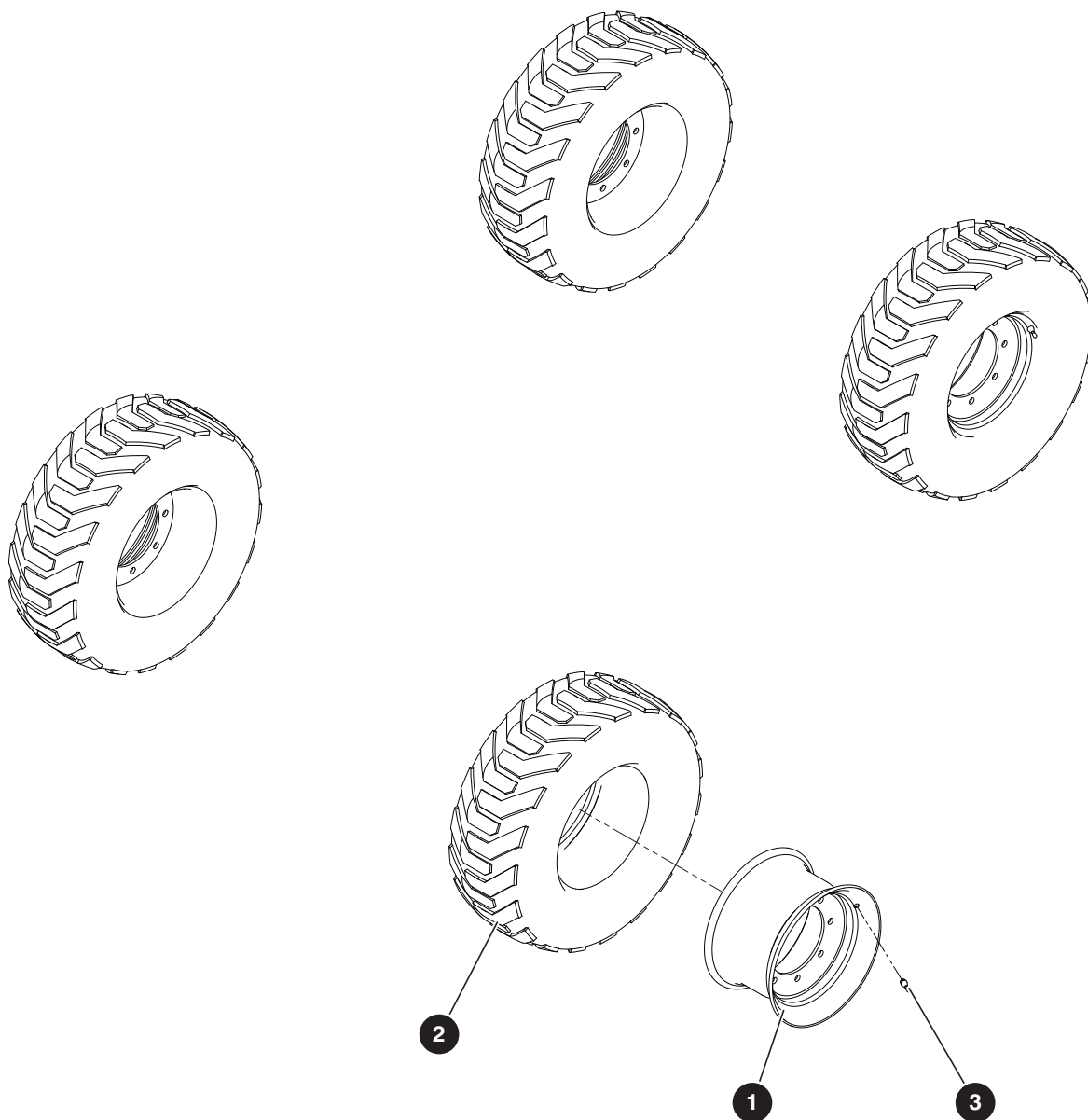


M205464AC

205464

Index No.	Skyjack Part No.	Qty.	Description
-	205464	1	DRIVE SHAFT
1	216872	2	• U-JOINT
2	248012	1	KIT, Strap (not included with drive shaft)

2.17 Tire and Wheel Assembly



M206236AA

2.17 Tire and Wheel Assembly

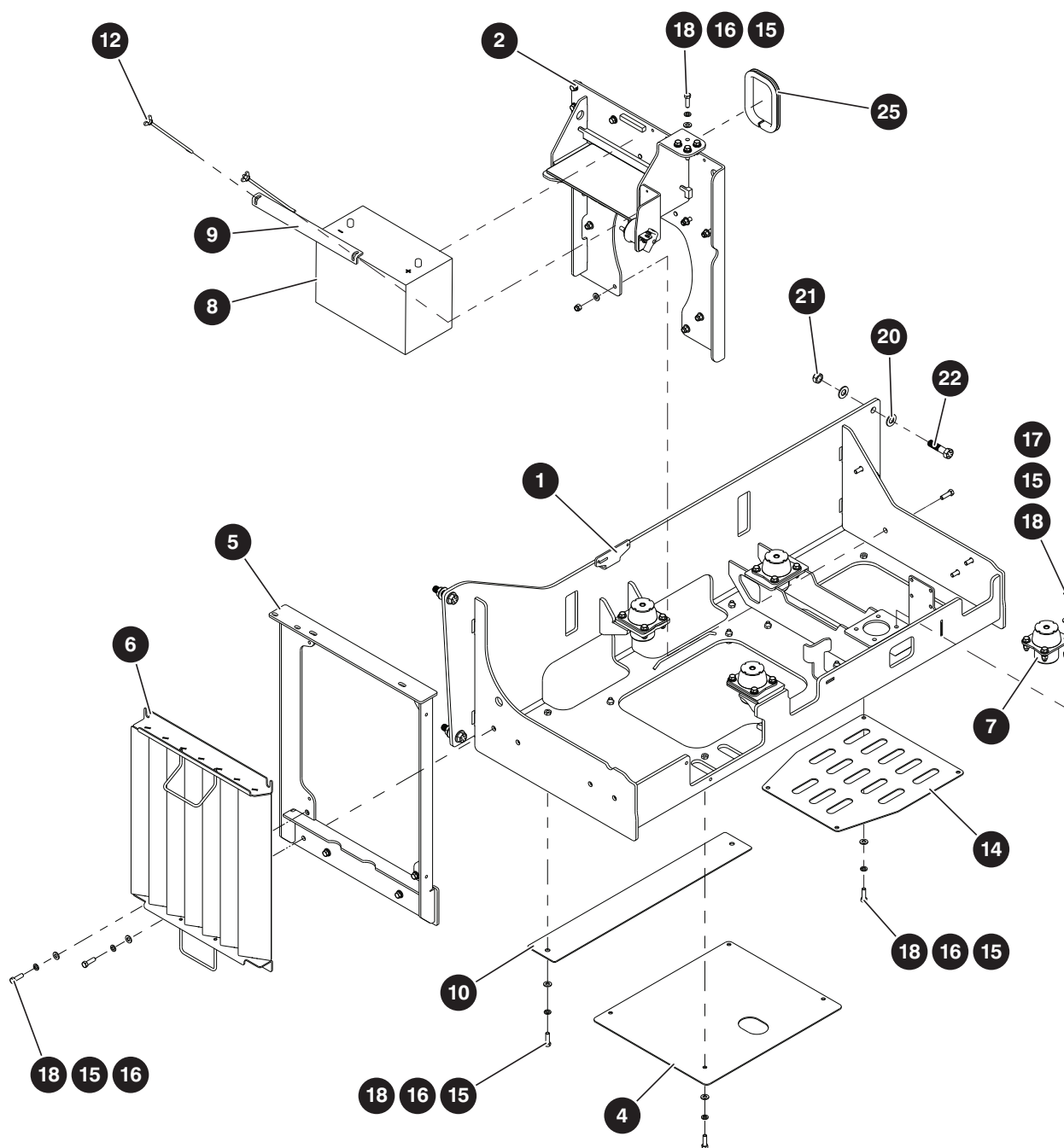
Index No.	Skyjack Part No.	Qty.	Description
A	206237	1	WHEEL, 12 x 16.5 - 12 ply Air filled
	205489	1	• WHEEL, Right side 12 x 16.5 - 12 ply Air filled
	205490	1	• WHEEL, Left side 12 x 16.5 - 12 ply Air filled
B	206238	1	WHEEL, 12 x 16.5 - 12 ply Foam filled
	205491	1	• WHEEL, Right side 12 x 16.5 - 12 ply Foam filled
	205492	1	• WHEEL, Left side 12 x 16.5 - 12 ply Foam filled
C	206242	1	WHEEL, 12 x 16.5 - 12 ply Air filled
	205493	1	• WHEEL, Right side 12 x 16.5 - 12 ply non-marking Air filled
	205494	1	• WHEEL, Left side 12 x 16.5 - 12 ply non-marking Air filled
D	206245	1	WHEEL, 12 x 16.5 - 12 ply Foam filled
	205495	1	• WHEEL, Right side 12 x 16.5 - 12 ply non-marking Foam filled
	205496	1	• WHEEL, Left side 12 x 16.5 - 12 ply non-marking Foam filled
E	206249	1	WHEEL, 12 x 16.5 - 12 ply Wearmaster Air filled
	205497	1	• WHEEL, 12 x 16.5 - 12 ply Wearmaster Air filled
F	206247	1	WHEEL, 12 x 16.5 - 12 ply Wearmaster Foam filled
	206701	1	• WHEEL, 12 x 16.5 - 12 ply Wearmaster Foam filled
G	206257	1	WHEEL, Solidboss 33 x 12 -20
	206479	1	• WHEEL, Right side Solidboss 33 x 12 -20
	206481	1	• WHEEL, Left side Solidboss 33 x 12 -20
H	206296	1	WHEEL, Solidboss 33 x 12 -20 non-marking
	206292	1	• WHEEL, Right side Solidboss 33 x 12 -20 non-marking
	206293	1	• WHEEL, Left side Solidboss 33 x 12 -20 non-marking
I	267827	1	WHEEL, Turf - Air fill (33 x 12)
	257162	1	• WHEEL, Turf - Air fill (33 x 12.5-16.5)
1	205490	1	WHEEL, 12 x 16.5 - 12 ply, air filled - A
-	224489	1	WHEEL, 9.75 x 16.5 - 0.826 offset - B, C, D, E, F
-	206476	1	WHEEL, Solidboss 8 x 20 - G, H
-	257164	1	WHEEL, 16.5 x 9.75 (Offset 0.551) - I
2	205530	1	TIRE, 12 x 16.5 - 12 ply, black - A, B
-	205675	1	TIRE, 12 x 16.5 - 12 ply, non-marking - C, D
-	205676	1	TIRE, 12 x 16.5 - 12 ply, wearmaster - E, F
-	206478	1	TIRE, Solidboss 33 x 12 Right Side - G
-	206480	1	TIRE, Solidboss 33 x 12 Left Side - G
-	206294	1	TIRE, Solidboss 33 x 12 Right Side non-marking - H
-	206295	1	TIRE, Solidboss 33 x 12 Left Side non-marking - H
-	257163	1	TIRE, Turf (33 x 12.5-16.5) - I
3	143996	1	VALVE STEM, Carlisle TR-501 - A, B, C, D, E, F
-	257165	1	VALVE, TR-501 - I

 **Notes**

Section 3 – Engine

- 3.1 *Engine Tray (S/N 87 500 732 and below)*
- 3.4 *Engine Assembly (S/N 87 501 112 and below)*
- 3.7 *Cooler (S/N 87 500 732 and below)*
- 3.9 *Cooler - Internal Breakdown (S/N 87 500 733 and above)*
- 3.10 *Cooler Hoses*
- 3.11 *Air Intake (S/N 87 500 732 and below)*
- 3.13 *Air Intake Cover (S/N 87 500 733 and above)*
- 3.14 *Hydraulic Pump (Piston Drive)*
- 3.15 *Hydraulic Pump (Variable Displacement)*
- 3.17 *Fuel Lines*

3.1 Engine Tray (S/N 87 500 732 and below)

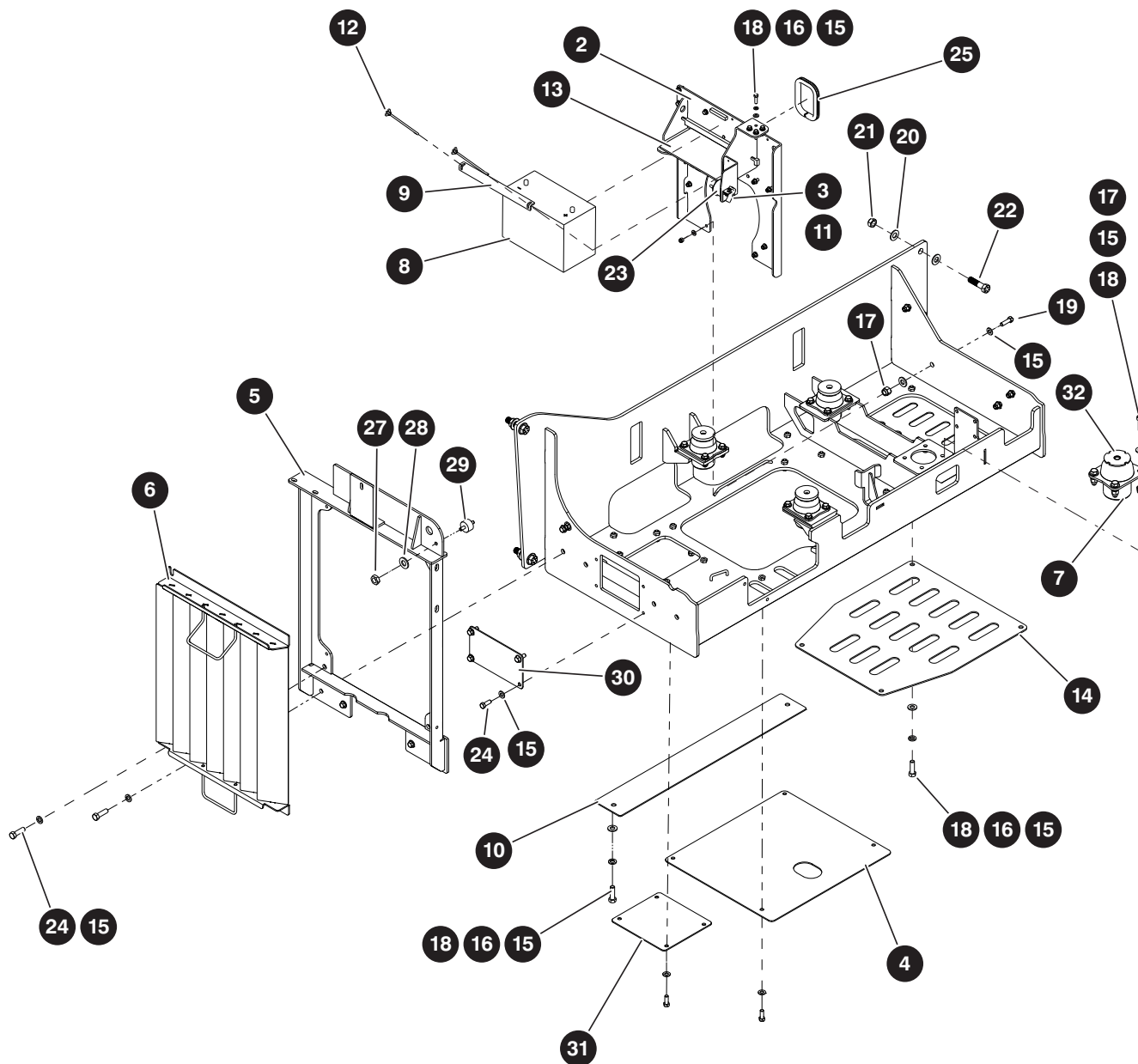


M206574AE

3.1 Engine Tray (S/N 87 500 732 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	206574	1	ENGINE TRAY <i>For serial numbers 87 500 732 and below.</i>
1	206576	1	• ENGINE TRAY
2	206833	1	• MOUNT, Battery
3	119725	1	• SWITCH, Master disconnect 6-36 V DC
4	206583	1	• PLATE, Oil pan access
5	206560	1	• SUPPORT, RADIATOR
6	205994	1	• GUARD, Radiator
7	205697	4	• MOUNT, Engine isolator (hydraulic)
8	144676	1	• BATTERY, 950 CCA 195 RC 12V post
9	150959	1	• BRACKET, Battery retainer
10	206584	1	• PLATE, Hose access
11	108714	1	• KIT, Locking lever
12	128572	1	• BOLT, J Style battery hold down
13	157464	1	• PAD, Battery (950)
14	206585	1	• PLATE, Hose access
15	125959	53	• WASHER, Flat 3/8" hard
16	103999	29	• WASHER, Lock 3/8"
17	104606	18	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
18	101297	38	• BOLT, Hex head zinc plated (3/8"-16 x 1-1/4" Gr. 5)
19	103870	2	• BOLT, Hex Head 3/8"-16 x 1-1/2" Gr. 5
20	700782	8	• WASHER, Flat 5/8" hard high zinc plated
21	103830	4	• NUT, Torque lock 5/8-11 Grade C
22	411921	4	• BOLT, Hex cap 5/8"-11 x 2-1/2 Gr. 8 Zinc
23	157756	2	• RIVET, 3/16" x 7/16"
24	103473	7	• BOLT, Hex head zinc (3/8"-16 x 1" Gr. 5)
25	119922	15.5"	• PROTECTIVE TRIM 1/4" - 1/2"
26	148368	22.5"	• FOAM SEAL - #1441 (2" x 2")

3.2 Engine Tray (S/N 87 500 733 and above)



M233068AA

3.2 Engine Tray (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	233068	1	ENGINE TRAY <i>For serial numbers 87 500 733 and above.</i>
1	233064	1	• ENGINE TRAY
2	206833	1	• MOUNT, Battery
3	119725	1	• SWITCH, Master disconnect 6-36 V DC
4	233065	1	• PLATE, Oil pan access
5	241511	1	• SUPPORT, RADIATOR
6	241518	1	• GUARD, Radiator
7	205697	4	• MOUNT, Engine isolator (hydraulic)
8	144676	1	• BATTERY, 950 CCA 195 RC 12V post
9	150959	1	• BRACKET, Battery retainer
10	206584	1	• PLATE, Hose access
11	108714	1	• KIT, Locking lever
12	128572	1	• BOLT, J Style battery hold down
13	157464	1	• PAD, Battery (950)
14	206585	1	• PLATE, Hose access
15	125959	61	• WASHER, Flat 3/8" hard
16	103999	7	• WASHER, Lock 3/8"
17	104606	18	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
18	101297	16	• BOLT, Hex head zinc plated (3/8"-16 x 1-1/4" Gr. 5)
19	103870	2	• BOLT, Hex Head 3/8"-16 x 1-1/2" Gr. 5
20	700782	8	• WASHER, Flat 5/8" hard high zinc plated
21	103830	4	• NUT, Torque lock 5/8-11 Grade C
22	411921	4	• BOLT, Hex cap 5/8"-11 x 2-1/2 Gr. 8 Zinc
23	157756	2	• RIVET, 3/16" x 7/16"
24	103473	37	• BOLT, Hex head zinc (3/8"-16 x 1" Gr. 5)
25	119922	15.5"	• PROTECTIVE TRIM 1/4" - 1/2"
26	148368	1"	• FOAM SEAL - #1441 (2" x 2")
27	103996	4	• WASHER, Flat 0.312"
28	141663	4	• NUT, Hex head 0.312"-18 Gr.5
29	161445	2	• ISOLATOR, Vibration
30	241522	1	• PLATE, Rear tray cover
31	241523	1	• PLATE, Bottom tray cover
32	241527	4	• SPACER, Engine mount

This exploded view diagram illustrates the assembly of a washing machine door. The components are numbered as follows:

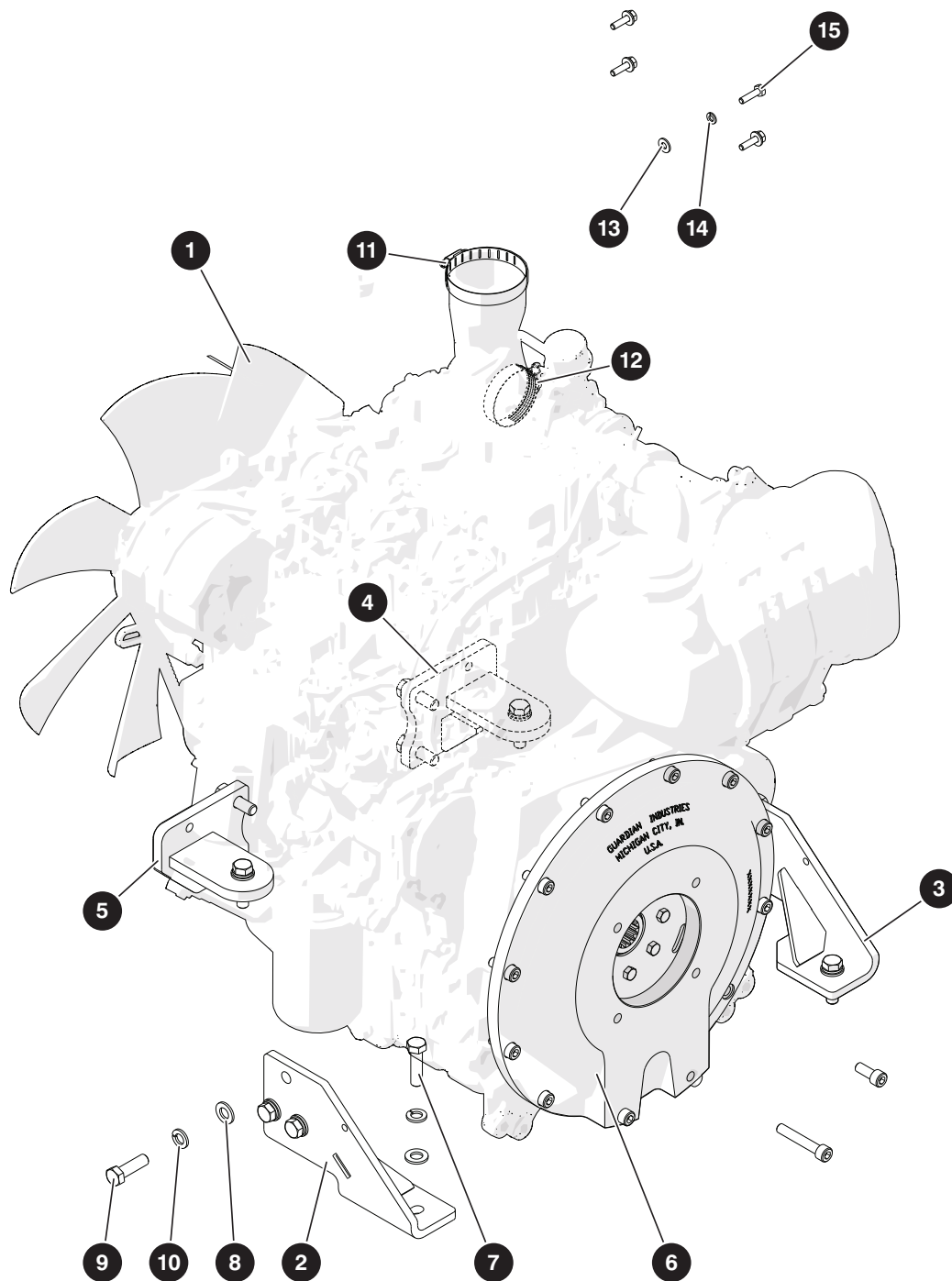
- 1**: Main door panel
- 2**: Upper hinge assembly
- 3**: Upper hinge pin
- 4**: Lower hinge assembly
- 5**: Door frame
- 6**: Door frame reinforcement
- 7**: Door latch assembly
- 8**: Lock cylinder
- 9**: Lock cylinder pin
- 10**: Door frame reinforcement
- 11**: Door frame reinforcement
- 12**: Door frame reinforcement
- 13**: Door frame reinforcement
- 14**: Door frame reinforcement
- 15**: Door frame reinforcement
- 16**: Door frame reinforcement
- 17**: Door frame reinforcement
- 18**: Door frame reinforcement
- 19**: Door frame reinforcement
- 20**: Door frame reinforcement
- 21**: Door frame reinforcement
- 22**: Door frame reinforcement
- 23**: Door frame reinforcement
- 24**: Door frame reinforcement
- 25**: Door frame reinforcement
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- 27**: Door frame reinforcement
- 28**: Door frame reinforcement
- 29**: Door frame reinforcement
- 30**: Door frame reinforcement
- 31**: Door frame reinforcement
- 32**: Door frame reinforcement
- 33**: Door frame reinforcement

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3.3 Engine Tray (S/N 87 501 292 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	235462	1	ENGINE TRAY - <i>For serial numbers 87 501 292 and above.</i>
1	235445	1	• ENGINE TRAY
2	235463	1	• MOUNT, Battery
3	119725	1	• SWITCH, Master disconnect 6-36 V DC
4	233065	1	• PLATE, Oil pan access
5	241511	1	• SUPPORT, RADIATOR
6	241518	1	• GUARD, Radiator
7	205697	4	• MOUNT, Engine isolator (hydraulic)
8	144676	1	• BATTERY, 950 CCA 195 RC 12V post
9	150959	1	• BRACKET, Battery retainer
10	206584	1	• PLATE, Hose access
11	108714	1	• KIT, Locking lever
12	128572	1	• BOLT, J Style battery hold down
13	157464	1	• PAD, Battery (950)
14	206585	1	• PLATE, Hose access
15	125959	63	• WASHER, Flat 3/8" hard
16	103999	7	• WASHER, Lock 3/8"
17	104606	18	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
18	101297	16	• BOLT, Hex head zinc plated (3/8"-16 x 1-1/4" Gr. 5)
19	103870	2	• BOLT, Hex Head 3/8"-16 x 1-1/2" Gr. 5
20	700782	8	• WASHER, Flat 5/8" hard high zinc plated
21	103830	4	• NUT, Torque lock 5/8-11 Grade C
22	411921	4	• BOLT, Hex cap 5/8"-11 x 2-1/2 Gr. 8 Zinc
23	157756	2	• RIVET, 3/16" x 7/16"
24	103473	39	• BOLT, Hex head zinc (3/8"-16 x 1" Gr. 5)
25	119922	15.5"	• PROTECTIVE TRIM 1/4" - 1/2"
26	148368	1"	• FOAM SEAL - #1441 (2" x 2")
27	103996	4	• WASHER, Flat 0.312"
28	141663	4	• NUT, Hex head 0.312"-18 Gr.5
29	161445	2	• ISOLATOR, Vibration
30	241522	1	• PLATE, Rear tray cover
31	241523	1	• PLATE, Bottom tray cover
32	235469	1	• BRACKET, Fuel pump

3.4 Engine Assembly (S/N 87 501 112 and below)

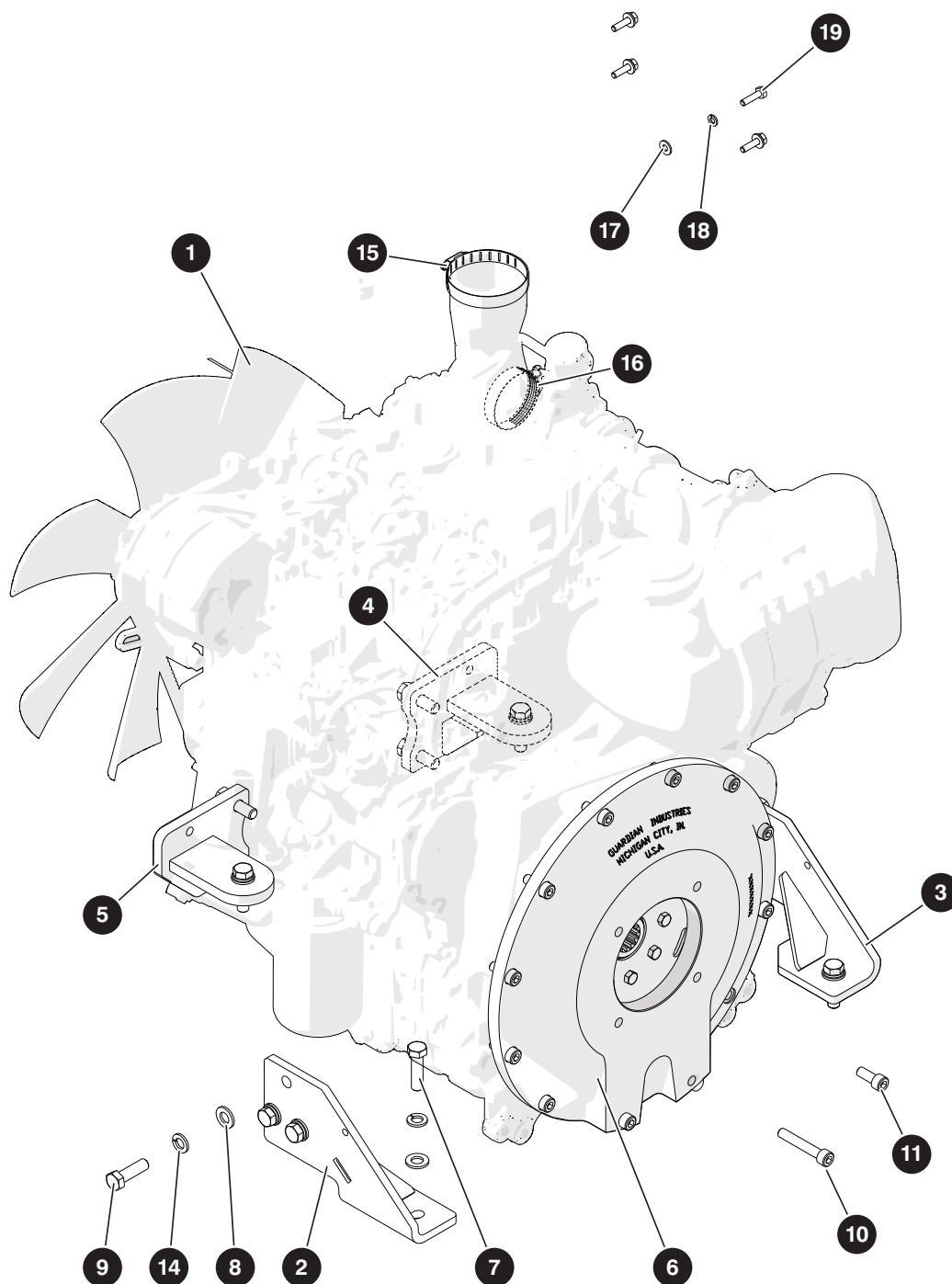


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3.4 Engine Assembly (S/N 87 501 112 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	9-206586	1	ENGINE 2.2 TCD - <i>For serial numbers 87 501 291 and below.</i>
1	9-224490	1	• ENGINE, TCD 2.2L3 - DEUTZ
-	9-224303	1	• • CONTROL UNIT
-	9-240889	1	• • FAN ADAPTER
-	9-224305	1	• • CATALYST, INLET
-	9-224306	1	• • OIL PAN
-	9-224307	1	• • STARTER
-	9-232449	1	• • DIPSTICK
-	9-224309	1	• • FILTER, OIL
-	9-224310	1	• • ALTERNATOR
-	9-224312	1	• • RELAY
-	9-224313	1	• • V-GROOVED PULLEY
-	9-224314	1	• • FUEL SUPPLY PUMP
-	9-224315	1	• • PRESSURE SENSOR
-	9-224316	1	• • COOLANT PUMP
-	9-224317	1	• • TACHO-GENERATOR
-	9-224318	1	• • TRANSMITTER, Temperature
-	9-224319	1	• • CATALYST, Returns elevator
-	9-224320	1	• • FILTER, FUEL
-	9-224321	1	• • PRESSURE, SENSOR
-	9-224322	1	• • FILTER, SPIN-ON FUEL
-	9-224323	1	• • PRE-FILTER
-	9-224324	1	• • CARTRIDGE, FILTER
-	9-224330	1	• • CABLE, SENSOR
-	9-224331	1	• • PLUG, VENT
-	9-235907	1	• • FLYWHEEL
-	240121	1	• • BELT, FAN
2	9-206589	1	• MOUNT, ENGINE - Left hand rear
3	9-206590	1	• MOUNT, ENGINE - Right hand rear
4	9-206528	1	• MOUNT, ENGINE - Right hand forward
5	9-206529	1	• MOUNT, ENGINE - Left hand forward
6	9-205280	1	• COUPLING, Engine pump SJ519 TH, TD2.2L3
-	235909	1	• • FLEX PLATE
7	9-217422	10	• BOLT, Hex head M12 x 1-3/4" x 40 CL 8.8
8	9-933817	14	• WASHER, Flat M12 CL 200 Y
9	9-217267	4	• BOLT, Hex head M12 x 1-3/4" x 45 CL 10.9
10	9-116995	14	• WASHER, Lock M12 Plated din 127B
11	9-198177	1	• CLAMP, Perforated hose #52, 2-13/16" - 3-3/4"
12	9-121869	1	• CLAMP, Hose (2-1/2")
13	9-103995	4	• WASHER, Flat 1/4"
14	9-104000	4	• WASHER, Lock 1/4"
15	9-103857	4	• BOLT, Hex head zinc plated (1/4"-20 x 1" Gr. 5)
16	9-224205	16.5"	• FOAM, PSA 0.30" Thick x 1/2" wide (not shown)
17	9-224183	1	• ELBOW, 90° 2 x M16 x 1-1/2" brass (not shown)

3.5 Engine Assembly (S/N 87 501 113 to 87 501 291)

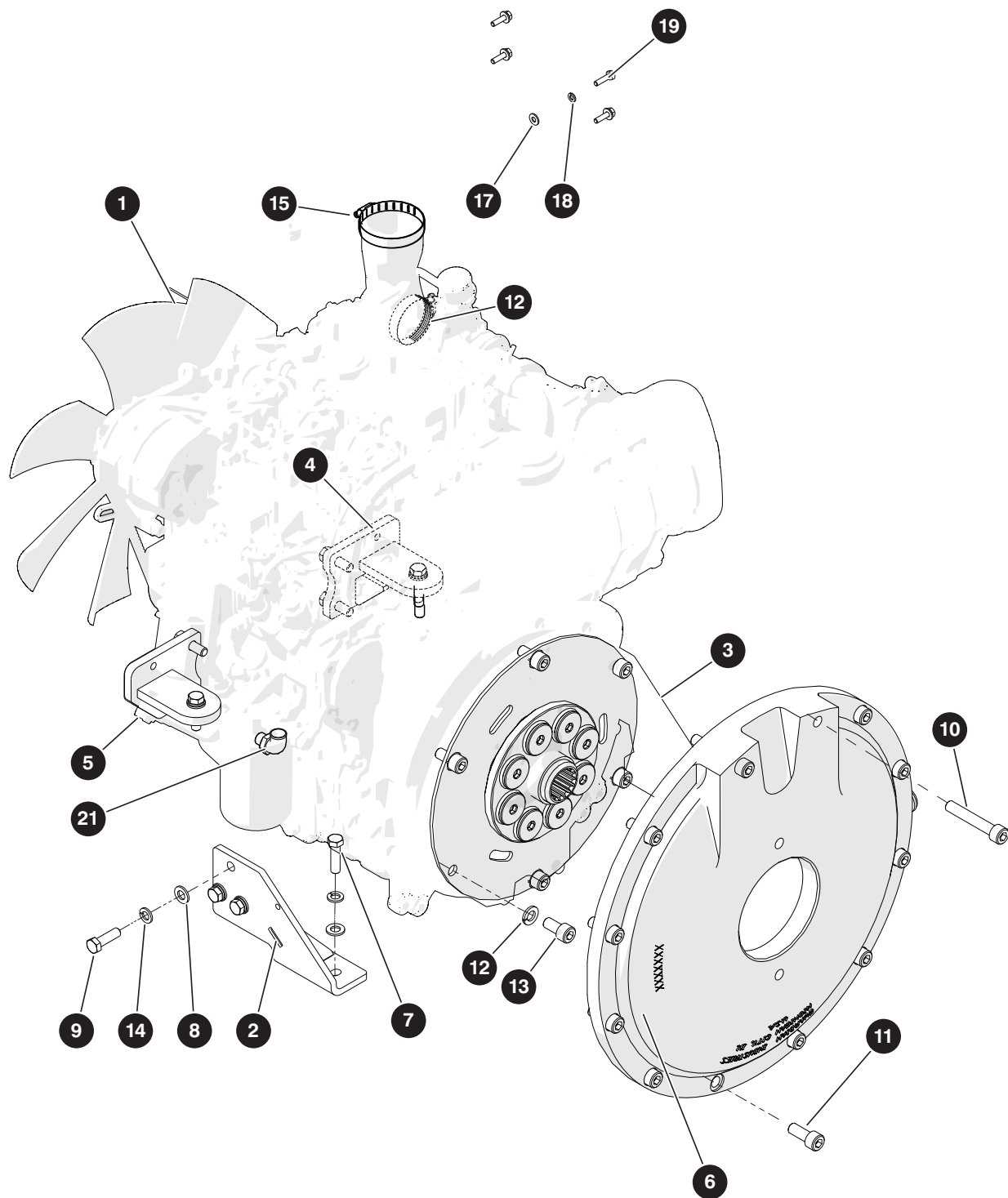


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3.5 Engine Assembly (S/N 87 501 113 to 87 501 291)

Index No.	Skyjack Part No.	Qty.	Description
-	249352	1	ENGINE 2.2L- For serial numbers 87 501 113 to 87 501 291.
1	245188	1	• ENGINE, TCD 2.2L - DEUTZ EMR5
2	206589	1	• MOUNT, ENGINE - Left hand rear
3	206590	1	• MOUNT, ENGINE - Right hand rear
4	206528	1	• MOUNT, ENGINE - Right hand forward
5	206529	1	• MOUNT, ENGINE - Left hand forward
6	205280	1	• COUPLING, Engine pump SJ519 TH, TD2.2L3
7	217422	10	• BOLT, Hex head M12 x 1-3/4" x 40 CL 8.8
8	933817	14	• WASHER, Flat M12 CL 200 Y
9	217267	4	• BOLT, Hex head M12 x 1-3/4" x 45 CL 10.9
10	240005	2	• SCREW, Scoket head cap screw (M10 x 1-1/2" x 60CL)
11	240003	10	• SCREW, Scoket head cap screw (M10 x 1-1/2" x 25CL)
12	132497	6	• LOCK, Washer (M10)
13	240004	6	• SCREW, Scoket head cap screw (M10 x 1-1/2" x 20CL)
14	116995	14	• WASHER, Lock M12 Plated din 127B
15	198177	1	• CLAMP, Perforated hose #52, 2-13/16" - 3-3/4"
16	121869	1	• CLAMP, Hose (2-1/2")
17	103995	4	• WASHER, Flat 1/4"
18	104000	4	• WASHER, Lock 1/4"
19	103857	4	• BOLT, Hex head zinc plated (1/4"-20 x 1" Gr. 5)
20	224205	1	• FOAM
21	224183	1	• ELBOW 90 ° (M16 x 1-1/2")

3.6 Engine Assembly (S/N 87 501 292 and above)

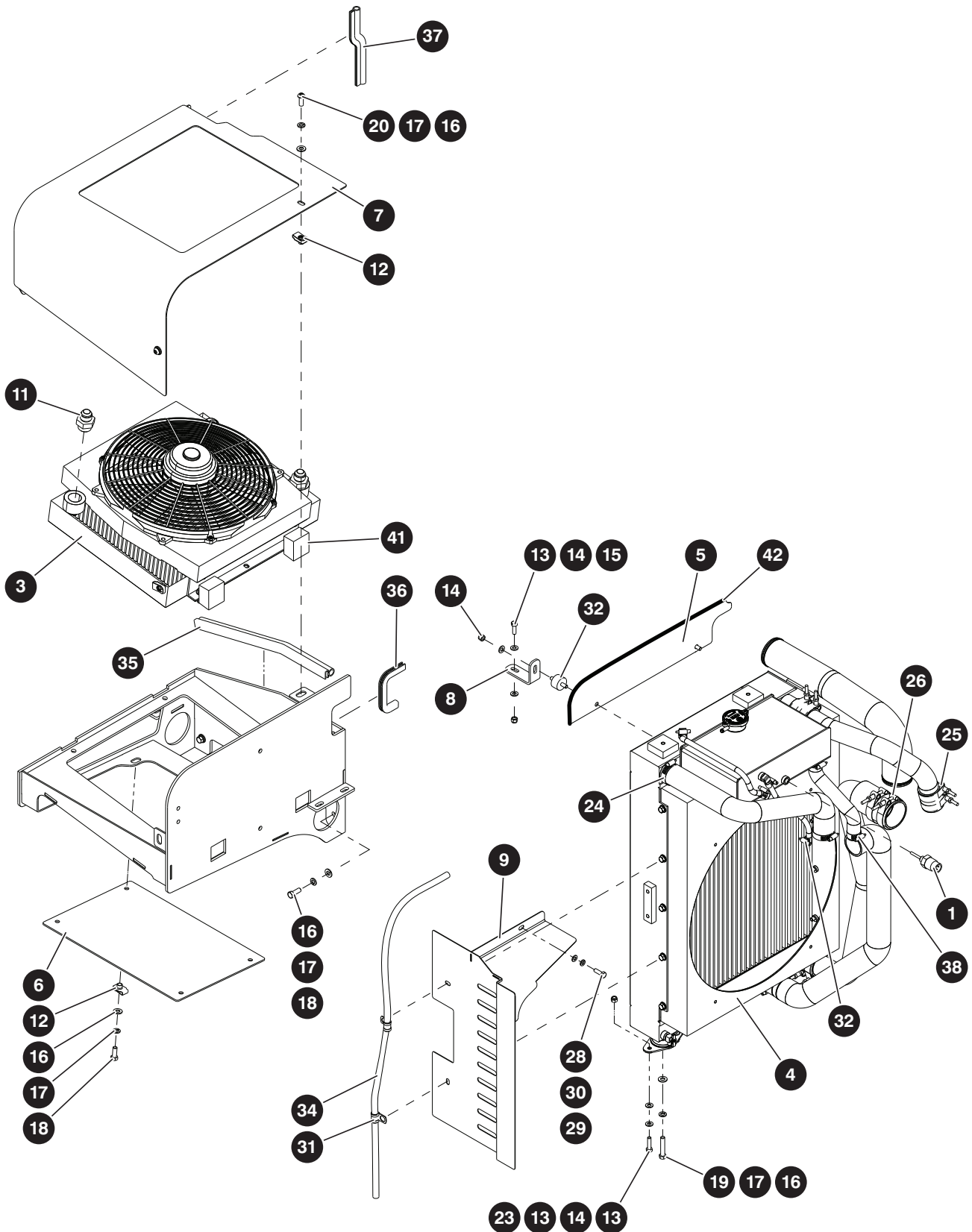


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3.6 Engine Assembly (S/N 87 501 292 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	235429	1	ENGINE 2.2L- <i>For serial numbers 87 501 292 and above.</i>
1	245188	1	• ENGINE, TCD 2.2L - DEUTZ EMR5
2	235447	1	• MOUNT, ENGINE - Left hand rear
3	235449	1	• MOUNT, ENGINE - Right hand rear
4	206528	1	• MOUNT, ENGINE - Right hand forward
5	206529	1	• MOUNT, ENGINE - Left hand forward
6	235433	1	• COUPLING, Engine pump SJ519 TH, TD2.2L3
7	217422	10	• BOLT, Hex head M12 x 1-3/4" x 40 CL 8.8
8	933817	14	• WASHER, Flat M12 CL 200 Y
9	217267	4	• BOLT, Hex head M12 x 1-3/4" x 45 CL 10.9
10	240005	2	• SCREW, Scocket head cap screw (M10 x 1-1/2" x 60CL)
11	240003	10	• SCREW, Scocket head cap screw (M10 x 1-1/2" x 25CL)
12	132497	6	• LOCK, Washer (M10)
13	240004	6	• SCREW, Scocket head cap screw (M10 x 1-1/2" x 20CL)
14	116995	14	• WASHER, Lock M12 Plated din 127B
15	198177	1	• CLAMP, Perforated hose #52, 2-13/16" - 3-3/4"
16	121869	1	• CLAMP, Hose (2-1/2")
17	103995	4	• WASHER, Flat 1/4"
18	104000	4	• WASHER, Lock 1/4"
19	103857	4	• BOLT, Hex head zinc plated (1/4"-20 x 1" Gr. 5)
20	224205	1	• FOAM
21	224183	1	• ELBOW 90 ° (M16 x 1-1/2")

3.7 Cooler (S/N 87 500 732 and below)

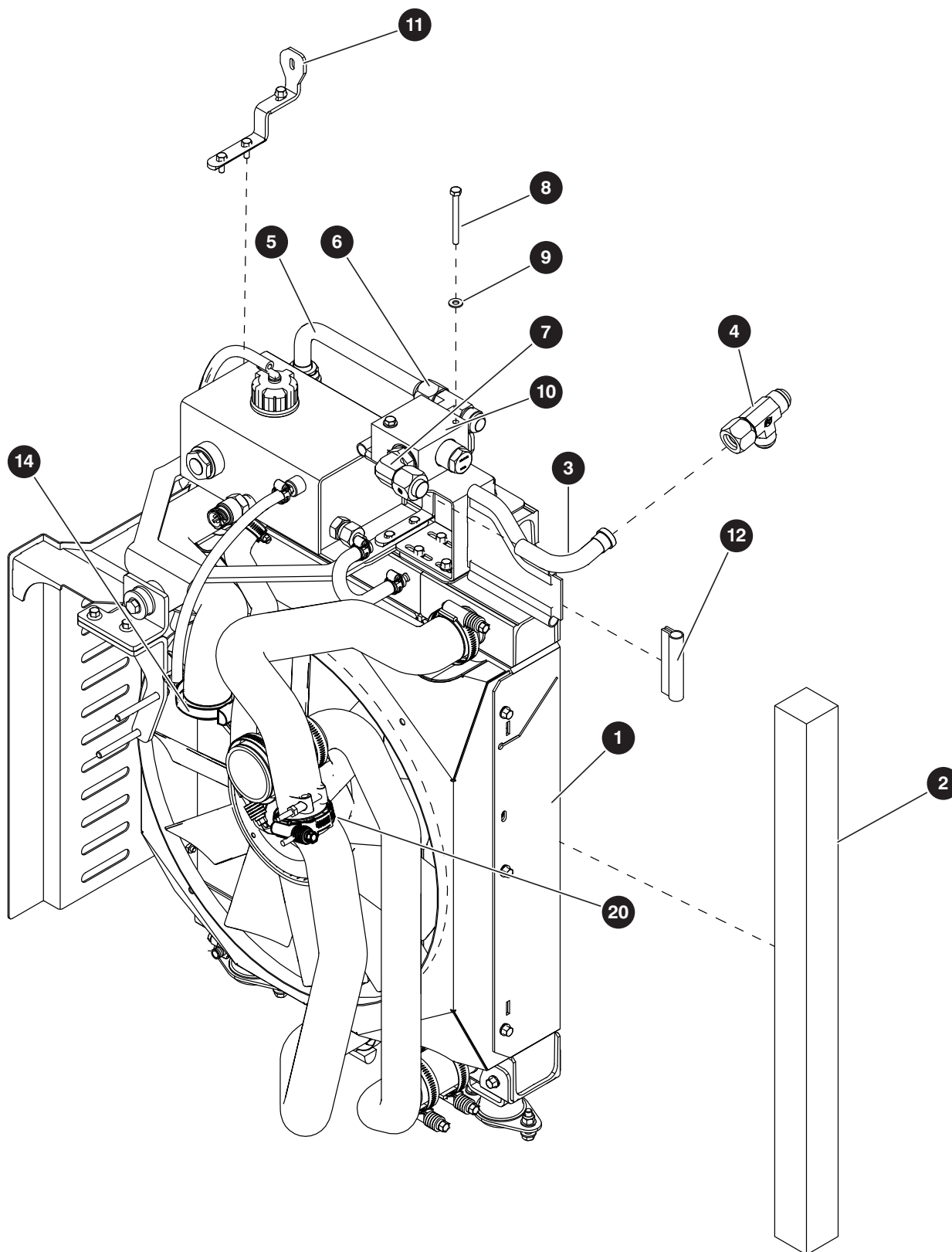


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3.7 Cooler (S/N 87 500 732 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	206587	1	COOLER ASSEMBLY - <i>For serial numbers 87 500 732 and below.</i>
1	165058	1	• SENSOR, Coolant level
2	206768	1	• MOUNT, Oil cooler
3	206555	1	• COOLER, Oil - 12V 3.0L with switch
-	240122	1	• • FAN, OIL COOLER
-	169245	1	• • THERMOSTAT, OIL COOLER
4	206601	1	• COOLER, DEUTZ TCD 2.2
-	206955	1	• • COOLER
-	-	1	• • HOSE KIT, Engine cooler
			<i>(For components, refer to Section 3.10 - Cooler Hoses)</i>
5	206784	1	• PLATE, Cooler baffle
6	206782	1	• PLATE, Cooler shield
7	206774	1	• COVER, Oil cooler
8	206785	2	• PLATE, Rad support
9	206797	1	• GUARD, TCD 2.2
10	161445	2	• ISOLATOR, Vibration
11	702122	2	• FITTING, 16 ORBM to 12 JICM
12	159294	6	• NUT, Speed clip 3/8"-16
13	103996	14	• WASHER, Flat 5/16"
14	103984	8	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
15	158319	2	• BOLT, Hex Head 5/16"-18 x 1" Gr. 8
16	125959	24	• WASHER, Flat 3/8" hard
17	103999	16	• WASHER, Lock 3/8"
18	103473	10	• BOLT, Hex head, zinc plated, 3/8"-16 x 1" Gr. 5
19	103596	2	• BOLT, Hex head zinc plated, 3/8"-16 x 2" Gr. 5
20	103949	2	• BOLT, Button Head Cap, 3/8"-16 x 1"
21	104606	2	• NUT, Lock with nylon insert, 3/8"-16 Gr. 5
22	101297	4	• BOLT, Hex head zinc plated, 3/8"-16 x 1-1/4" Gr. 5
23	112532	4	• BOLT, Hex Head 5/16"-18 X 1-1/4" Gr. 5
24	133222	4	• CLAMP, Hose (2")
25	190696	4	• CLAMP, T-Bolt (1-7/8" - 2-1/8")
26	164171	2	• CLAMP, T-Bolt (2-1/2" - 2-7/8")
27	230322	2	• CLAMP, T-Bolt 2-1/16" DIA - 2-3/8" DIA
28	933655	1	• BOLT, Hex head cap M8 - 1.25 x 25 mm CL 8.8 YE
29	933832	1	• WASHER, Flat M8 - OD 16.0
30	116218	1	• WASHER, Lock M8 Plated DIN 127B
31	152402	2	• CLAMP, Tube 3/4"
32	116342	4	• CLAMP, Hose (1/2")
33	148368	29	• FOAM SEAL, #1441 (2" x 2")
34	102984	42"	• FUEL LINE, 5/16" #47PB-B194
35	205707	17.25	• SEAL, 90° 3/4" Bulb - 1/4" grip
36	117398	6.5	• PROTECTIVE TRIM
37	149357	9	• SEAL, Bulb (0.090"-1/8" grip)
38	142415	2	• CLAMP, Hose (1-1/4")
39	103978	4	• NUT, Hex 3/8"-16 Gr. 5
40	148368	1.25	• FOAM SEAL - #141 (2" x 2")
41	148368	1.25	• FOAM SEAL - #141 (2" x 2")
42	149357	22"	• SEAL, Bulb (0.090-12 grip)

3.8 Cooler (S/N 87 500 733 and above)

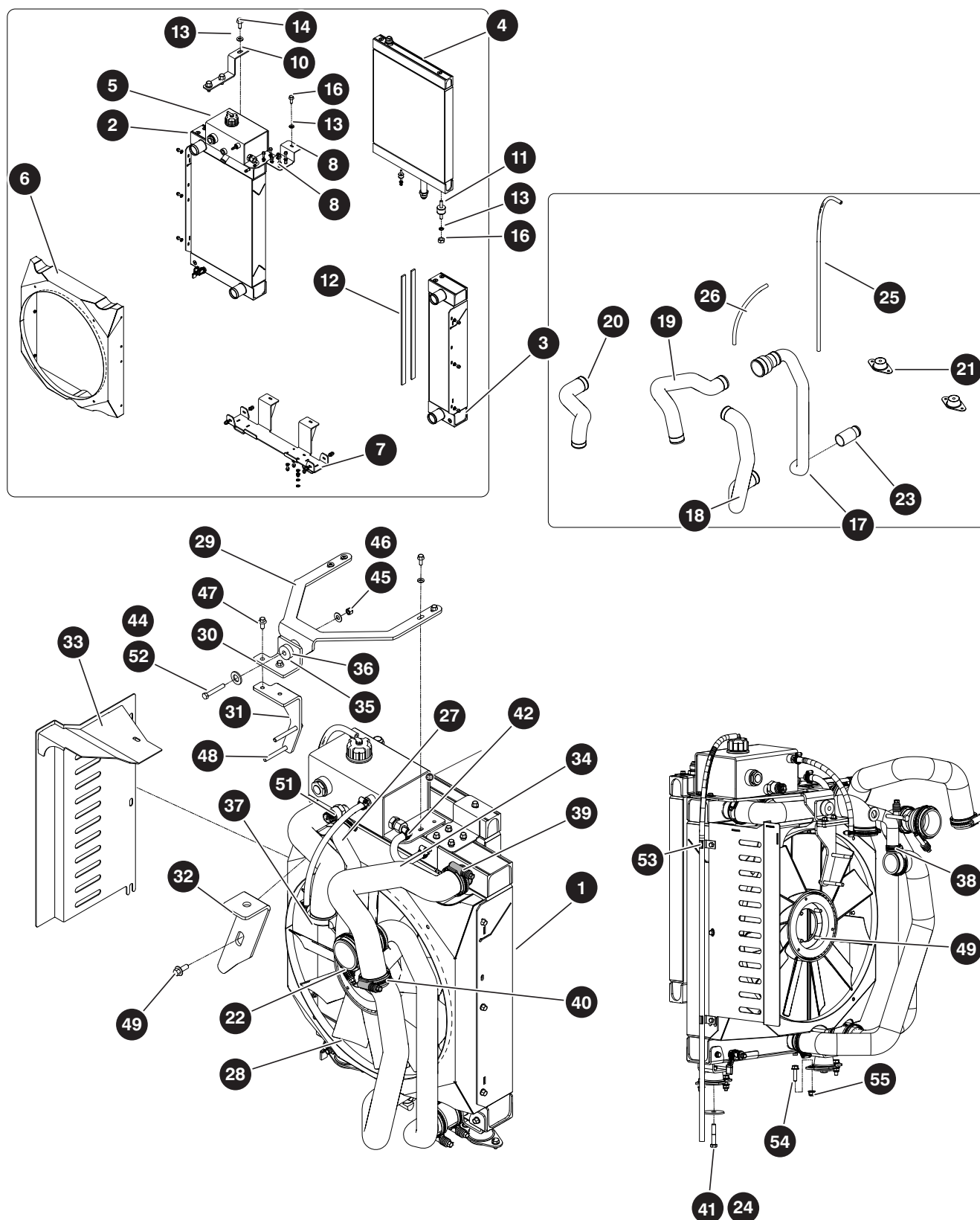


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3.8 Cooler (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	233088	1	COOLER ASSEMBLY - For serial numbers 87 500 733 and above.
1	233075	1	COOLER ASM, TCD 2.2 <i>(For components, refer to Section 3.9 - Cooler - Internal Breakdown (S/N 87 500 733 and above))</i>
2	148368	29	FOAM SEAL, #1441 (2" x 2")
3	233074	1	TUBE, Oil cooler bypass
4	167201	1	FITTING, Bulkhead (12JICM - 12JICM - 12JIC)
5	233054	1	TUBE ASM. Hydarulic
6	707277	1	FITTING, Tee (12JICM - 12JICM - 12ORBM)
7	105445	1	FITTING, 90° (12JICM - 12ORBM)
8	144501	2	BOLT, Hex head (1/4"-20 x 2-3/4" Gr.5)
9	103995	2	FLAT, Washer (1/4")
10	233063	1	MANIFOLD, Oil cooler bypass
11	241521	2	BRACKET, Rad isolator mount
12	241704	1	BRACKET, Cooler bypass valve
13	125959	2	WASHER, Flat (3/8")
14	190696	2	CLAMP, T-bolt (1.87"-2.12")

3.9 Cooler - Internal Breakdown (S/N 87 500 733 and above)

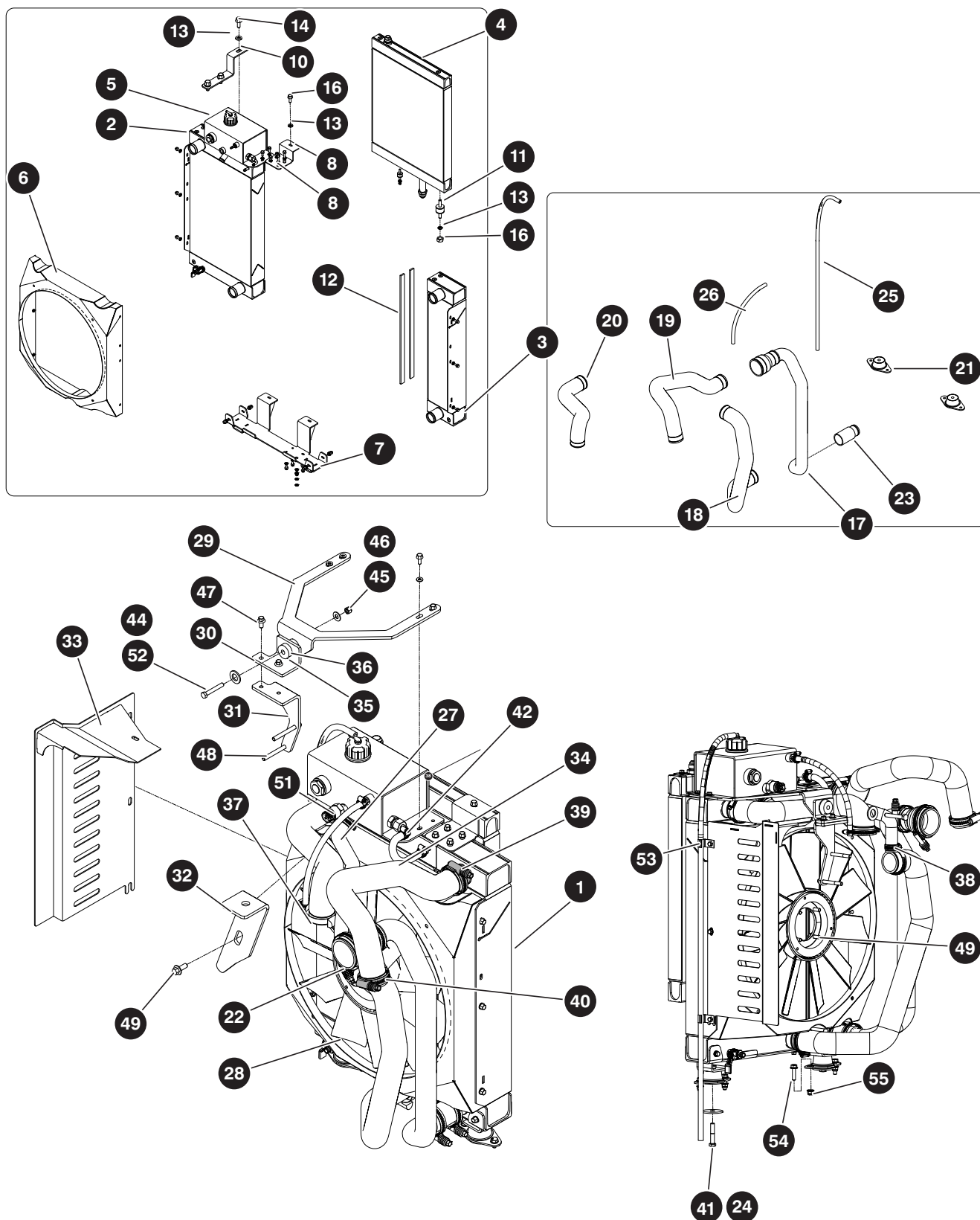


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3.9 Cooler - Internal Breakdown (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	233075	1	COOLER ASSEMBLY - <i>For serial numbers 87 500 733 and above.</i>
1	241693	1	• COOLER SUB ASM, TCD 2.2
2	241694	1	• • RADIATOR
3	241695	1	• • COOLER, Charger air
4	241696	1	• • COOLER, Hydraulic oil
5	240792	1	• • TANK, Expansion
6	240793	1	• • SHROUD, Radiator
7	241697	1	• • MOUNT, Bottom frame
8	241698	1	• • PLATE, Upper support
9	240794	2	• • SPACER
10	240699	1	• • PLATE, Upper support
11	241700	2	• • ISOLATOR, M6
12	240788	2	• • SPACER, Radiator
13	240797	26	• • WASHER, Lock M6
14	240796	2	• • BOLT, FLHH - (M6 x 1" x 25)
15	240795	22	• • BOLT, FLHH - (M6 x 1" x 16)
16	800354	2	• • NUT, Hex head (M6 x 1")
17	241691	1	• PIPE, CAC - Lower
18	240191	1	• HOSE, Radiator- Lower
19	240189	1	• HOSE, CAC- Upper
20	240192	1	• HOSE, Radiator - Upper
21	232733	2	• ISOLATER, Cooler 66T TCD 2.2
22	241692	1	• ADAPTER, 61mm to 45mm ID
23	240186	1	• TUBE, Sleeve - Rubber 45mm ID
24	240180	2	• WASHER, Snubbing (2" x 0.45" x 0.09")
25	240184	1	• HOSE, Low pressure 32"
26	240182	1	• HOSE, Low pressure 12"
27	240183	1	• HOSE, Molded vent
28	241703	1	• FAN, Suction 460mm
29	240188	1	• BRACKET, Radiator - Upper
30	240193	1	• PLATE, Engine side
31	240194	1	• BRACKET, Engine support
32	241702	1	• BRACKET, Belt guard
33	241701	1	• GUARD WLDT, Belt
34	240185	1	• HOSE, Compensation
35	240199	1	• SPACER (35mm x 19.1mm 3.2mm)
36	240195	1	• ISOLATOR, Upper rad support
37	244333	4	• CLAMP, Gear (2.50" dia)
38	244332	2	• CLAMP, Worm
39	244334	5	• CLAMP (1.75"-2.65" dia)
40	244338	1	• CLAMP (2-1/4" x 3-1/8" dia x 5/8" G300)
41	244336	2	• CLAMP (1.75"-2.65" dia)
42	244337	4	• CLAMP, Hose (#5)
-	-	-	Parts list continued on following page

3.9 Cooler - Internal Breakdown (S/N 87 500 733 and above)

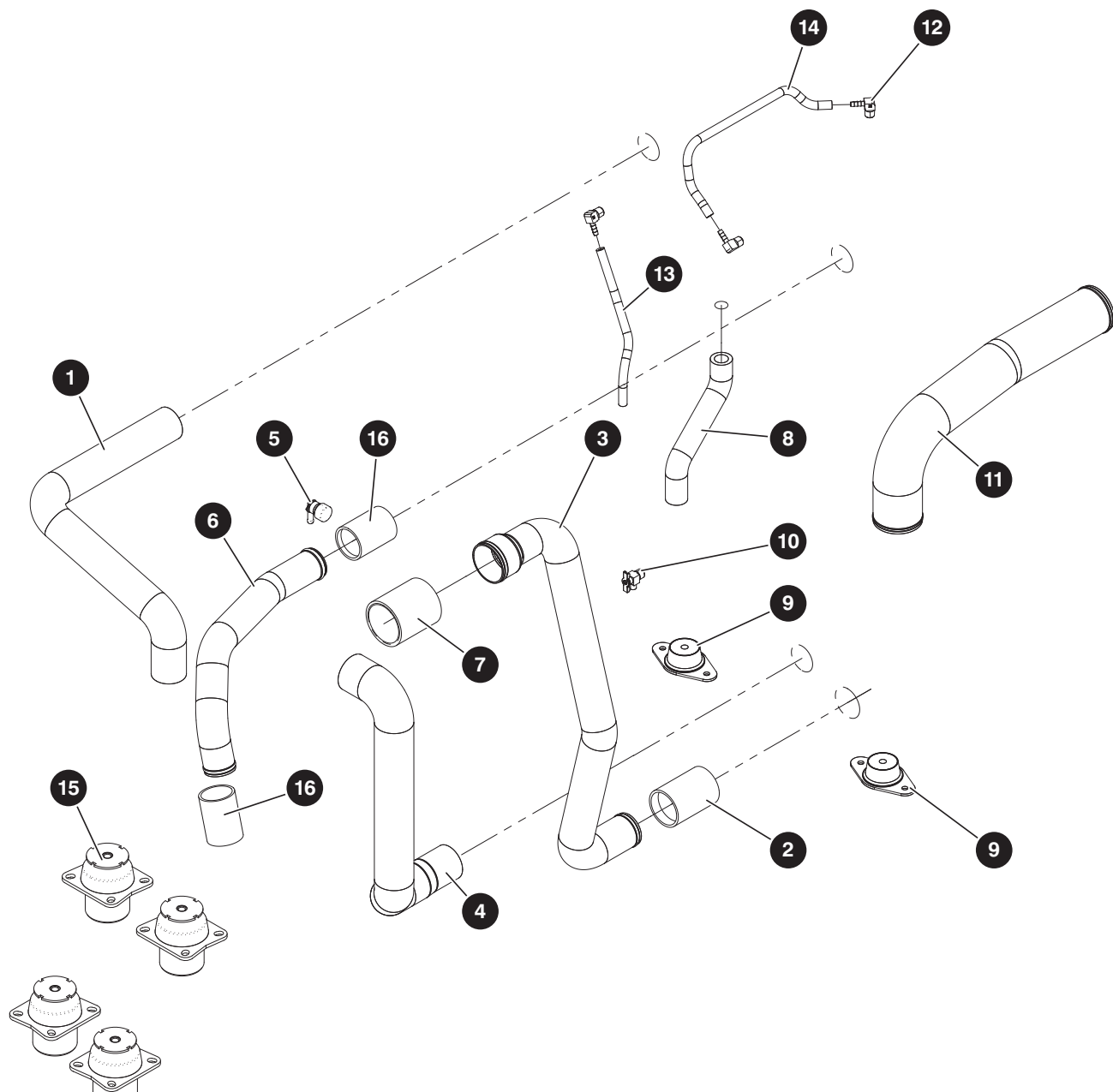


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3.9 Cooler - Internal Breakdown (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Parts list continued from previous page
43	244345	1	• SEAL, Ring (not shown)
44	244341	1	• BOLT, Hex head (3/8"-16 x 2.5" G8)
45	244342	1	• WASHER, Flat (3/8")
46	244343	1	• NUT, Lock (3/8"-16)
47	244340	2	• BOLT, Flanged hex head (M8 x 16 G10.9)
48	244344	2	• BOLT, Flanged hex head (0.313"-18 x 2.75")
49	244339	4	• BOLT, Hex head (M8 x 25 G10.9)
50	244346	2	• BOLT, Hex head (M6 x 16 G10.9)
51	240197	1	• SWITCH, Coolant level
52	240181	1	• WASHER, Snubbing (1.56" OD x 0.39" ID x 0.09")
53	244331	2	• CLAMP, J-clip (1/2")
54	244335	4	• BOLT, Flanged hex head (M8 x 30 G8.8)
55	244347	4	• NUT, Flanged lock (M8)

3.10 Cooler Hoses

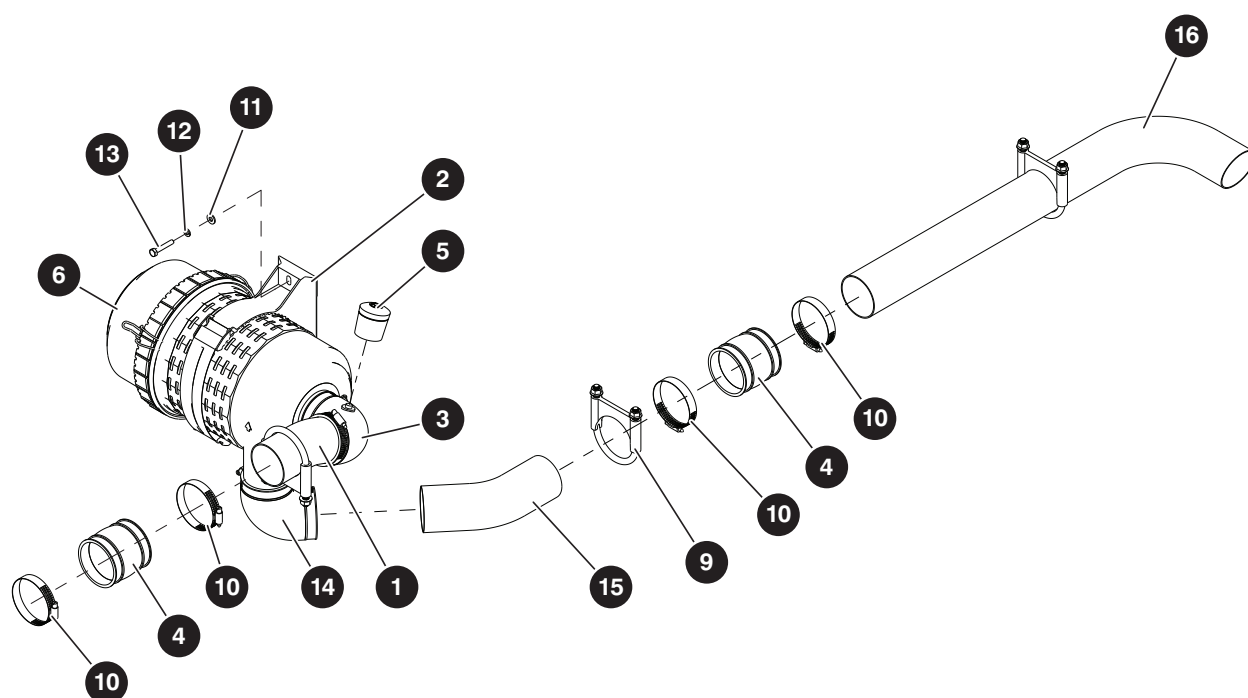


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3.10 Cooler Hoses

Index No.	Skyjack Part No.	Qty.	Description
-	224001	1	COOLER HOSES AND ENGINE ACCESSORIES
1	206958	1	• HOSE, Upper coolant, TCD 2.2
2	206965	1	• SLEEVE, Rubber
3	206957	1	• PIPING, Steel, charge air, lower, TCD2.2
4	206959	1	• HOSE, Coolant, lower, TCD 2.2
5	206493	1	• CONNECTOR, Fuel - 10 mm 90°
6	206956	1	• PIPING, Steel, charge air, upper TCD 2.2
7	206964	1	• HOSE, CAC Straight 2-1/2"
8	206960	1	• HOSE, Compensation, TCD 2.2
9	206962	2	• ISOLATOR, Cooler TC 51700-3
10	206967	1	• PETCOCK, 1/4 NPT, 5755 DC607-4
11	206961	1	• PIPING, Steel, intake air
12	206966	3	• HOSE BARB, 90° 1/4" NPT x 1/4" HOSE, 02 mm ID
13	206968	1	• HOSE, 1/4" ID. (1 ft)
14	206969	1	• HOSE, 1/4" ID. (1-1/2 ft)
15	205697	4	• MOUNT, Engine isolator, hydraulic
16	190426	2	COUPLING, CAC, 44.45 ID x 70

3.11 Air Intake (S/N 87 500 732 and below)

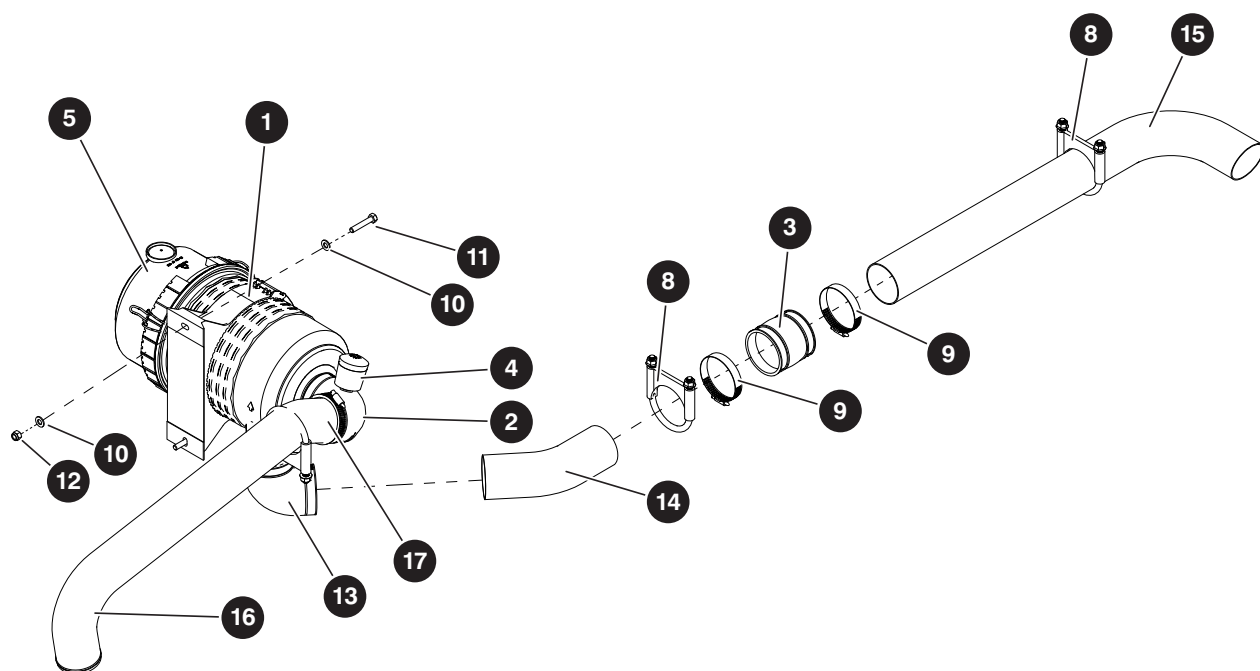


M206602AD

3.11 Air Intake (S/N 87 500 732 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	206602	1	AIR INTAKE <i>For serial numbers 87 500 732 & below.</i>
1	206975	1	• TUBE, Air intake to rad
2	163245	1	• BRACKET, Air cleaner E300
3	163249	1	• CONNECTOR, 90° For service indicator E300
4	205694	2	• CONNECTOR, Straight - 70 mm ID
5	190384	1	• SERVICE INDICATOR
6	163243	1	• AIR CLEANER, E300
7	165949	1	• • ELEMENT, Primary air filter (not shown)
8	165950	1	• • ELEMENT, Secondary air filter (not shown)
9	205695	3	• CLAMP, Exhaust - 2-3/4"
10	163193	8	• CLAMP, Hose (3")
11	103995	2	• WASHER, Flat 1/4"
12	104000	2	• WASHER, Lock 1/4"
13	103859	2	• BOLT, Hex head zinc plated (1/4"-20 x 1-1/2" Gr. 5)
14	163248	1	• CONNECTOR, 90°, E300
15	206974	1	• TUBE, Air inlet
16	206976	1	• TUBE, Air intake

3.12 Air Intake (S/N 87 500 733 and above)

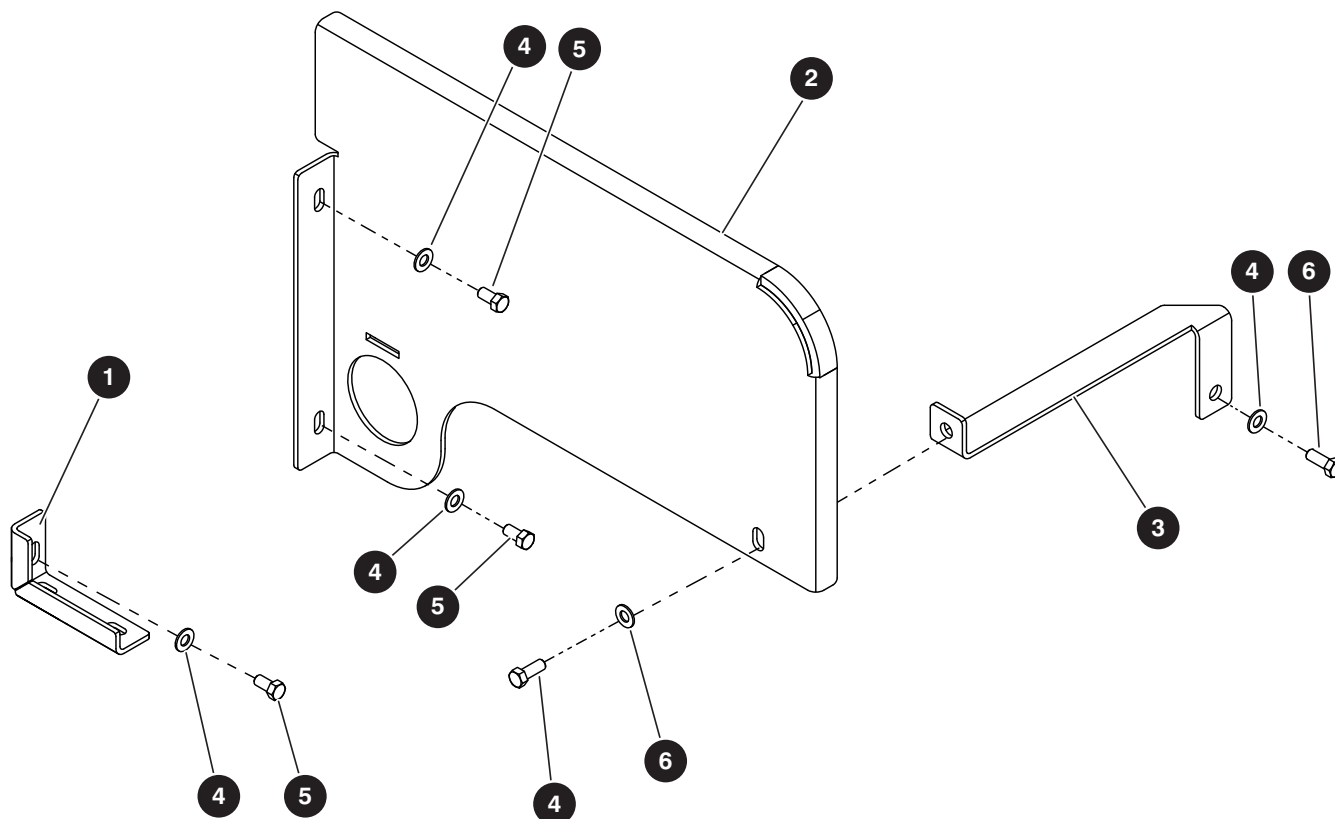


M241526AA

3.12 Air Intake (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	241526	1	AIR INTAKE - For serial numbers 87 500 733 & above.
1	163245	1	• BRACKET, Air cleaner E300
2	163249	1	• CONNECTOR, 90° For service indicator E300
3	205694	2	• CONNECTOR, Straight - 70 mm ID
4	190384	1	• SERVICE INDICATOR
5	163243	1	• AIR CLEANER, E300
6	165949		• • ELEMENT, Primary air filter (not shown)
7	165950		• • ELEMENT, Secondary air filter (not shown)
8	205695	3	• CLAMP, Exhaust - 2-3/4"
9	163193	8	• CLAMP, Hose (3")
10	103996	3	• WASHER, Flat 0.312"
11	103885	2	• BOLT, Hex head (0.312"-18 x 1-3/4" Gr. 5)
12	103984	1	• NUT, Lock 0.312"-18 x 1-3/4" Gr.5
13	163248	1	• CONNECTOR, 90°, E300
14	206974	1	• TUBE, Air inlet
15	206976	1	• TUBE, Air intake
16	244503	1	• PIPE, Air intake
17	206975	1	• TUBE, Air inlet to rad

3.13 Air Intake Cover (S/N 87 500 733 and above)

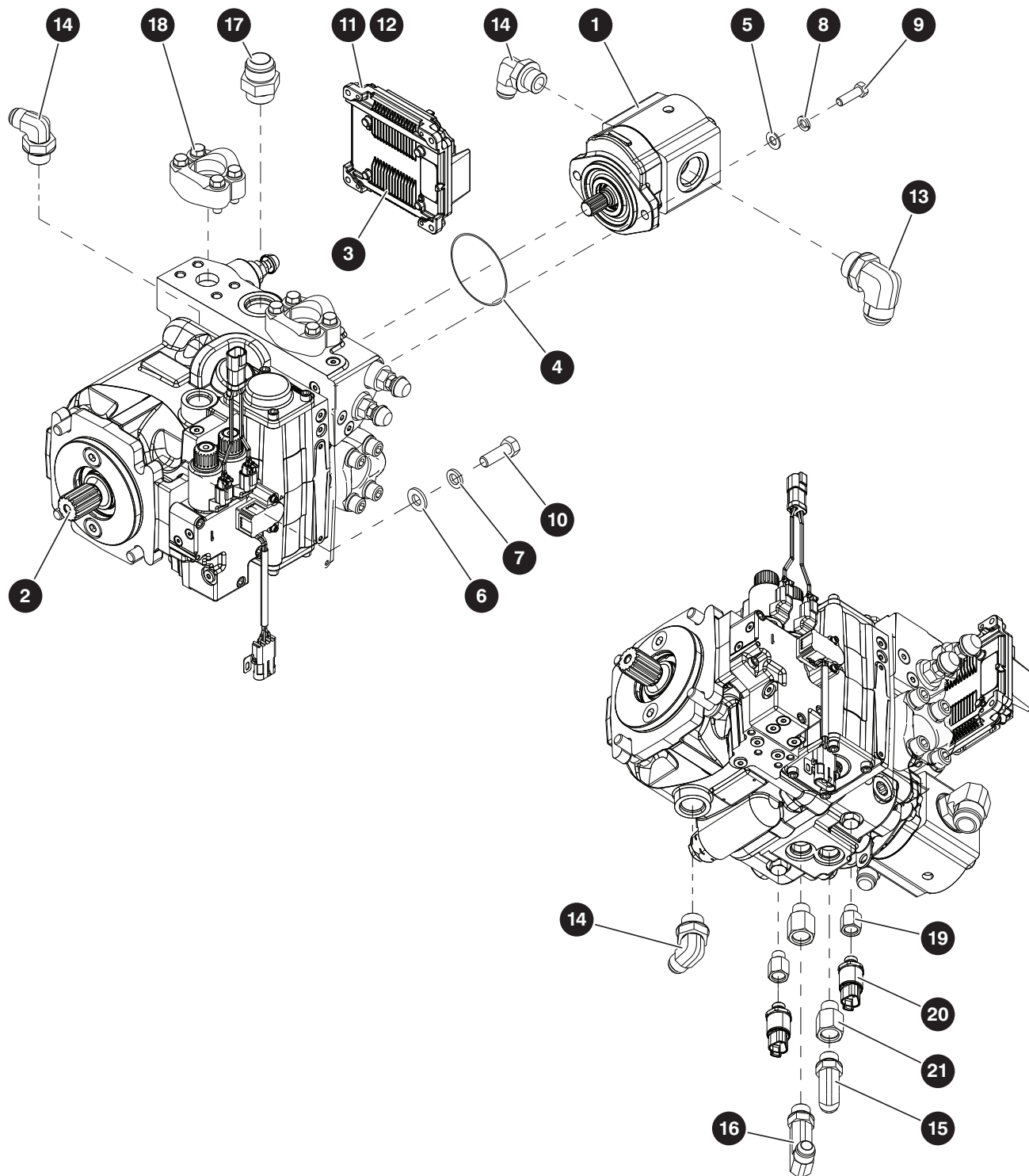


M241705AA

3.13 Air Intake Cover (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	241705	1	AIR INTAKE COVER - <i>For serial numbers 87 500 733 and above.</i>
1	240782	1	• PLATE, Tube support
2	240798	1	• PLATE, Air intake cover
3	241710	1	• PLATE, WDLT
4	103472	5	• WASHER, Flat (3/8")
5	101632	3	• BOLT, Hex head (3/8"-16 x 3/4" Gr.5)
6	103473	2	• BOLT, Hex head (3/8"-16 x 1" Gr.5)

3.14 Hydraulic Pump (Piston Drive)

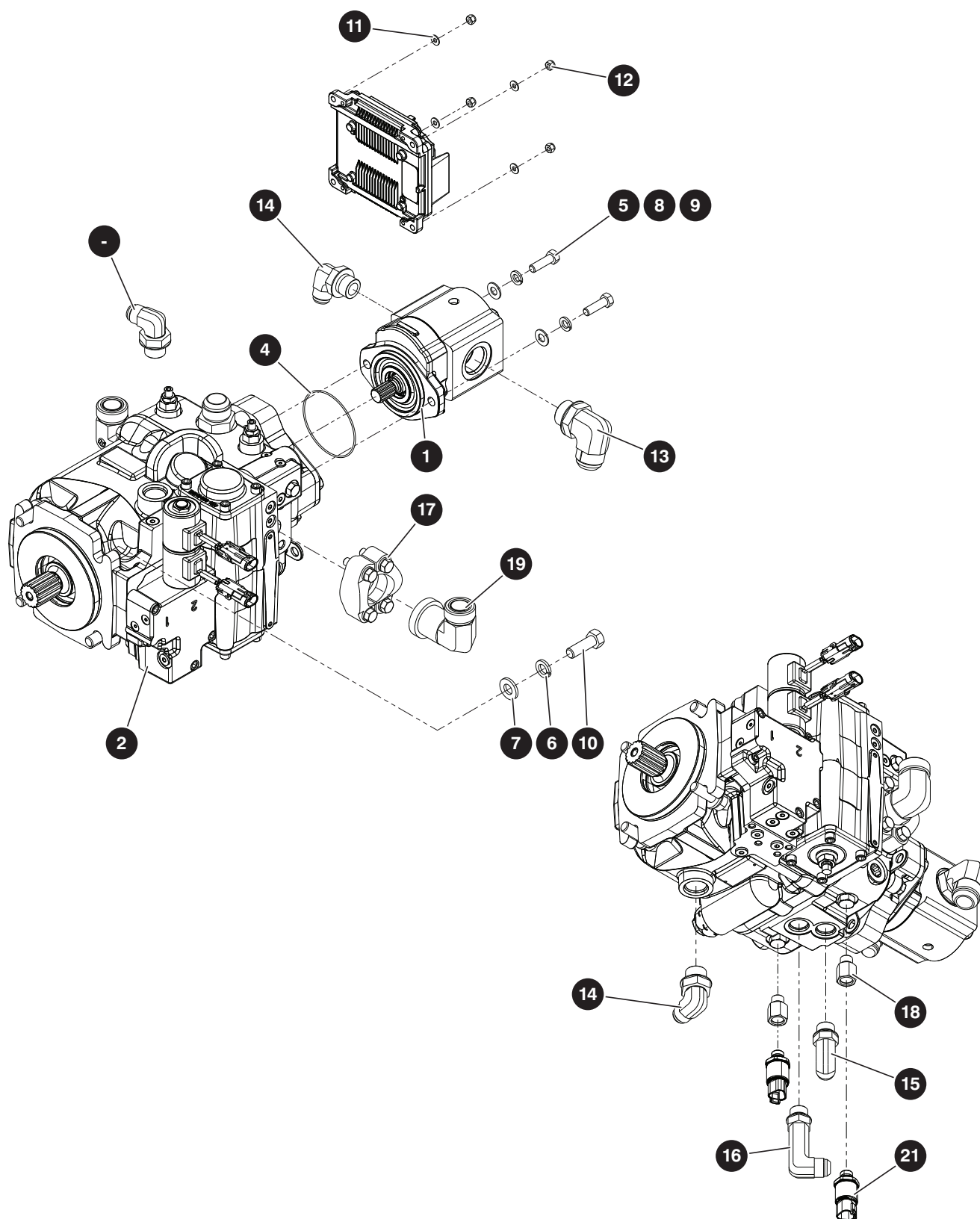


M206543AH

3.14 Hydraulic Pump (Piston Drive)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	<i>For serial numbers 87 500 001 - 87 500 008, 87 500 031 & up</i>
-	206543	1	HYDRAULIC PUMP
1	243284	1	• PUMP, Gear -31.8 CC / 3866 PSI
2	205852	1	• PUMP, Piston drive - 3.8 cir prop ctrl
-	224145	1	• • SEAL, Shaft
-	224146	1	• • O-RING,
-	224147	1	• • GEROTOR
-	224148	1	• • SOLENOID CONTROL
-	224149	1	• • VALVE, Pilot operated relief
-	224150	1	• • VALVE, High pressure relief
-	224299	1	• • SENSOR, Feedback, non-contact
-	223682	1	• • RELIEF VALVE
3	206544	1	• CONTROLLER, HFX12M
4	162387	1	• O-RING, 3.25 ID x 1/16"
5	103472	2	• WASHER, Flat 3/8"
6	104379	4	• WASHER, Flat 1/4" Hard
7	103470	4	• WASHER, Lock 1/2" NOM x 1/8"
8	103999	2	• WASHER, Lock 3/8"
9	101297	2	• BOLT, Hex head zinc plated (3/8"-16 x 1-1/4" Gr. 5)
10	103907	4	• BOLT, Hex Head 1/2"-13 x 1-1/2" Gr. 5
11	104694	4	• WASHER, Flat #10
12	300450	4	• NUT, Lock with nylon insert 10-32 Gr. 5
13	707040	1	• FITTING, 90° (16JICM-16ORBM)
14	138981	3	• FITTING, 90° (10JICM-12ORBM)
15	135091	1	• FITTING, 90° (10JICM-10ORBM)
16	191857	1	• FITTING, 90° LL (10JICM-10ORBM)
17	138667	1	• FITTING, 16° TO 16 JICM
18	205722	2	• FLANGE KIT, Split code 62 - 16
19	196193	2	• FITTING, Straight (06 ORBM - 06 ORBF)
20	206931	2	• SENSOR, Pressure -7500 psi 0-5V
21	224191	2	• FITTING, Straight (10 ORBM - 10 ORBF)

3.15 Hydraulic Pump (Variable Displacement)



M224187AA

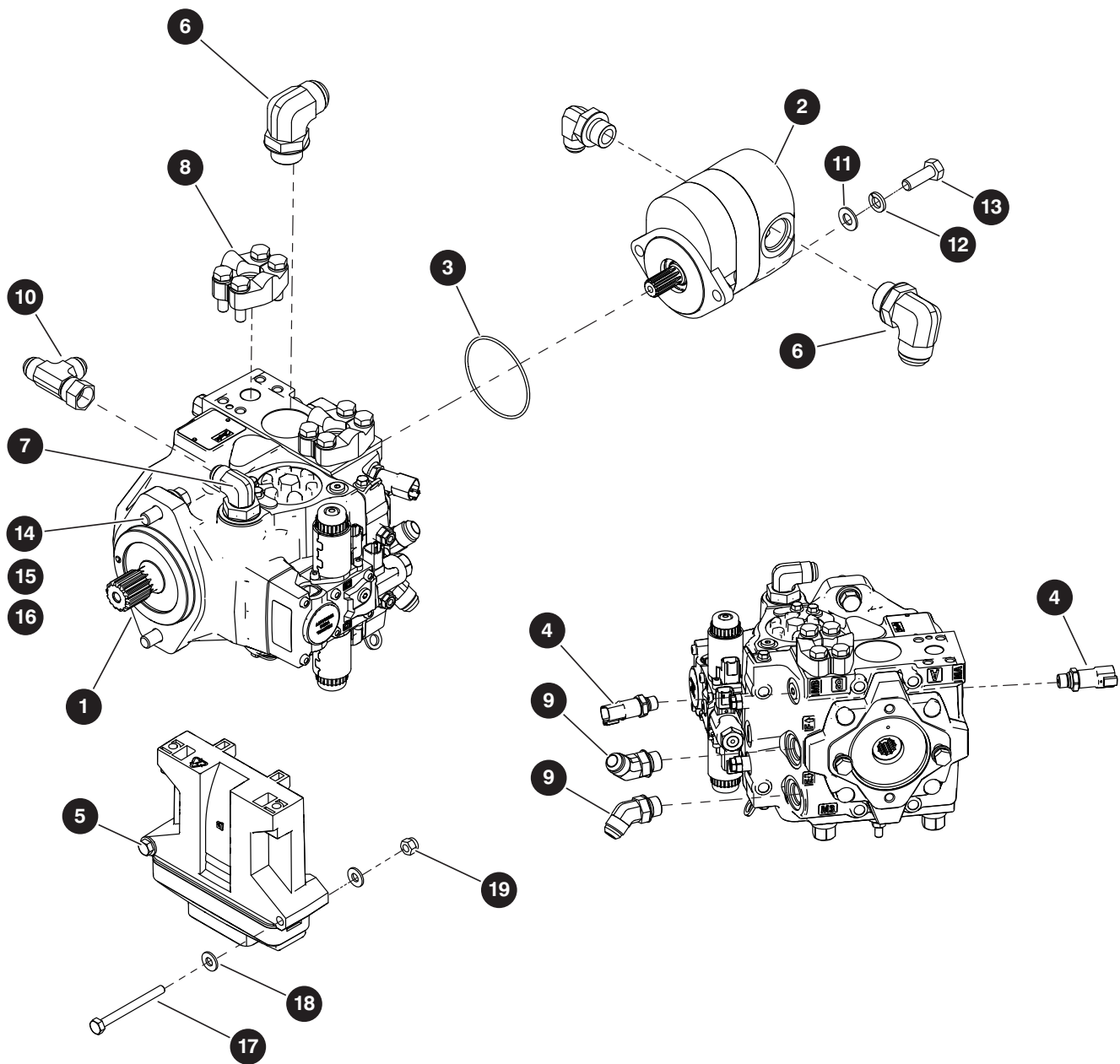
216941AF

SJ519 TH

3.15 Hydraulic Pump (Variable Displacement)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	<i>For serial numbers 87 500 009 to 87 500 031</i>
-	224187	1	HYDRAULIC PUMP SUBGROUP
1	206718	1	• PUMP, 30 CC high pressure gear
2	224180	1	• PUMP, 64 CC variable displacement
3	206544	1	• CONTROLLER, HFX12M
4	162387	1	• O-RING, 3-1/4" ID x 1/16"
5	103472	2	• WASHER, Flat 3/8"
6	104379	4	• WASHER, Flat 1/4" hard
7	103470	4	• WASHER, Lock 1/2" NOM x 1/8"
8	103999	2	• WASHER, Lock 3/8"
9	101297	2	• BOLT, Hex head zinc plated (3/8"-16 x 1-1/4" Gr. 5)
10	103907	4	• BOLT, Hex Head 1/2"-13 x 1-1/2" Gr. 5
11	104694	4	• WASHER, Flat #10
12	300450	4	• NUT, Lock with nylon insert, 10-32 Gr. 5
13	707040	1	• FITTING, 90° (16JICM-16ORBM)
14	138981	3	• FITTING, 90° (10JICM-12ORBM)
15	135091	1	• FITTING, 90° (10JICM-10ORBM)
16	191857	1	• FITTING, 90° LL (10JICM-10ORBM)
17	205722	2	• FLANGE KIT, Split code 62 - 16
18	196193	2	• FITTING, Straight (06 ORBM - 06 ORBF)
19	221785	2	• FITTING, FS1804-16-16-FG
20	138667	1	• FITTING, 16 ORBM TO 16 JICM
21	206931	2	• SENSOR, PRESSURE -7500 PSI 0-5V

3.16 Hydraulic Pump (S/N 87 501 292 and above)



M235426AA

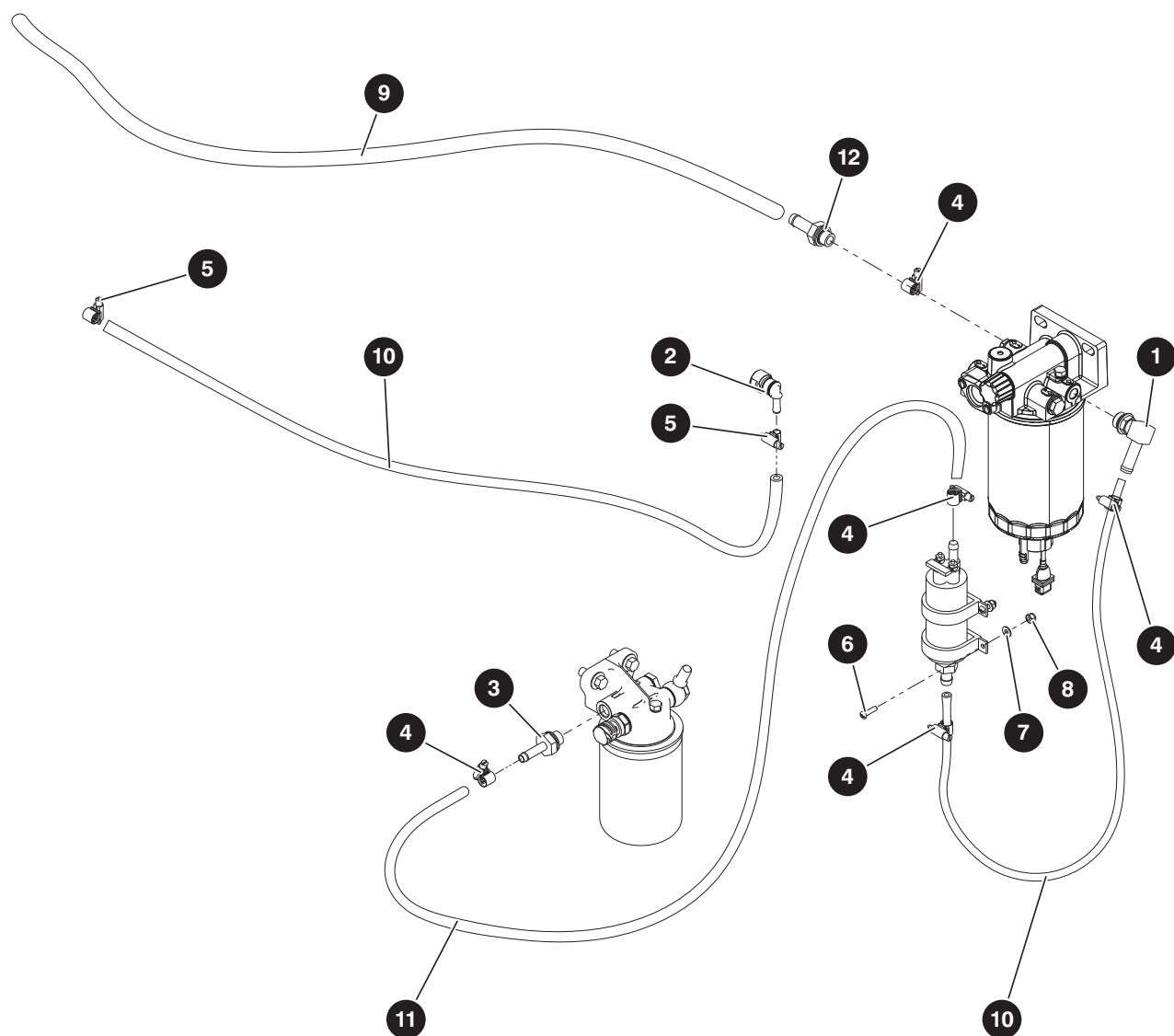
216941AF

SJ519 TH

3.16 Hydraulic Pump (S/N 87 501 292 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	<i>For serial numbers 87 501 292 and above.</i>
-	235426	1	HYDRAULIC PUMP
1	233097	1	• PUMP, Hydrostatic 45CC
-	261104	1	• • COIL
-	261105	1	• • VALVE, Solenoid - with coil
2	243284	1	• PUMP, Gear -31.8 CC / 3866 PSI
3	250353	1	• O-RING, 3.25 ID x 1/8"
4	233101	2	• SENSOR, Pressure
5	233100	1	• CONTROLLER, 50 PIN
6	707040	2	• FITTING, 90° (16JICM-16ORBM)
7	138981	2	• FITTING, 90° (10JICM-12ORBM)
8	235430	2	• FLANGE, Split
9	149215	2	• FITTING, 45° (10JICM-10ORBM)
10	131743	1	• FITTING
11	103472	2	• WASHER, Flat 3/8"
12	103999	2	• WASHER, Lock 3/8"
13	933658	2	• BOLT, Hex head (M10 x 1-1/2" x 30 mm G5)
14	104379	2	• WASHER, Flat 1/4" Hard
15	103470	2	• WASHER, Lock 1/2" NOM x 1/8"
16	103906	2	• BOLT, Hex Head (1/2"-13 x 1-3/4" G5)
17	144501	2	• BOLT, Hex Head (1/4"-20 x 2-3/4" G5)
18	103995	4	• WASHER, Flat (1/4")
19	115649	2	• NUT, Lock (1/4"-20 G5)

3.17 Fuel Lines



M206494AE

3.17 Fuel Lines

Index No.	Skyjack Part No.	Qty.	Description
-	206494	1	FUEL LINES
1	210372	1	• FITTING, 90° 08 BEAD M16 ORBM
2	206493	1	• CONNECTOR, Fuel - 10 mm 90°
3	164977	1	• FITTING, 3/8" Fuel hose, Deutz D/TD2.9
4	116342	6	• CLAMP, Hose (1/2")
5	103321	2	• CLAMP, Hose (5/16")
6	104698	4	• SCREW, Round head machine 10-32 x 3/4"
7	104694	4	• WASHER, Flat #10
8	300450	4	• NUT, Lock with nylon insert 10-32 Gr. 5
9	102984	105	• FUEL LINE, 5/16" #47PB-B194
10	163509	127	• HOSE, 300 psi, general purpose
11	166737	30	• FUEL LINE, 3/8" Rubber
12	163222	1	• FITTING, 1/2" Fuel hose - Deutz D/TD2.9
13	171444	94	• WRAP SPIRAL 1.00" DIA (not shown)
14	131732	8"	• SLEEVE, Nylon HG-46 (not shown)

Section 4 – Operator's Cab

4.1 *Cab Assembly*

4.2 *Open Cab*

4.3 *Open Cab Components*

4.4 *Steering Column*

4.5 *Orbital Steering Motor*

4.6 *Joystick*

4.7 *Proportional Flow Control Valve*

4.8 *Front Dash*

4.9 *Right Hand Dash Panel*

4.10 *Left Hand Dash Panel*

4.12 *Relay Bracket*

4.13 *Brake and Throttle Pedals*

4.14 *Enclosed Cab*

4.15 *Cab Door*

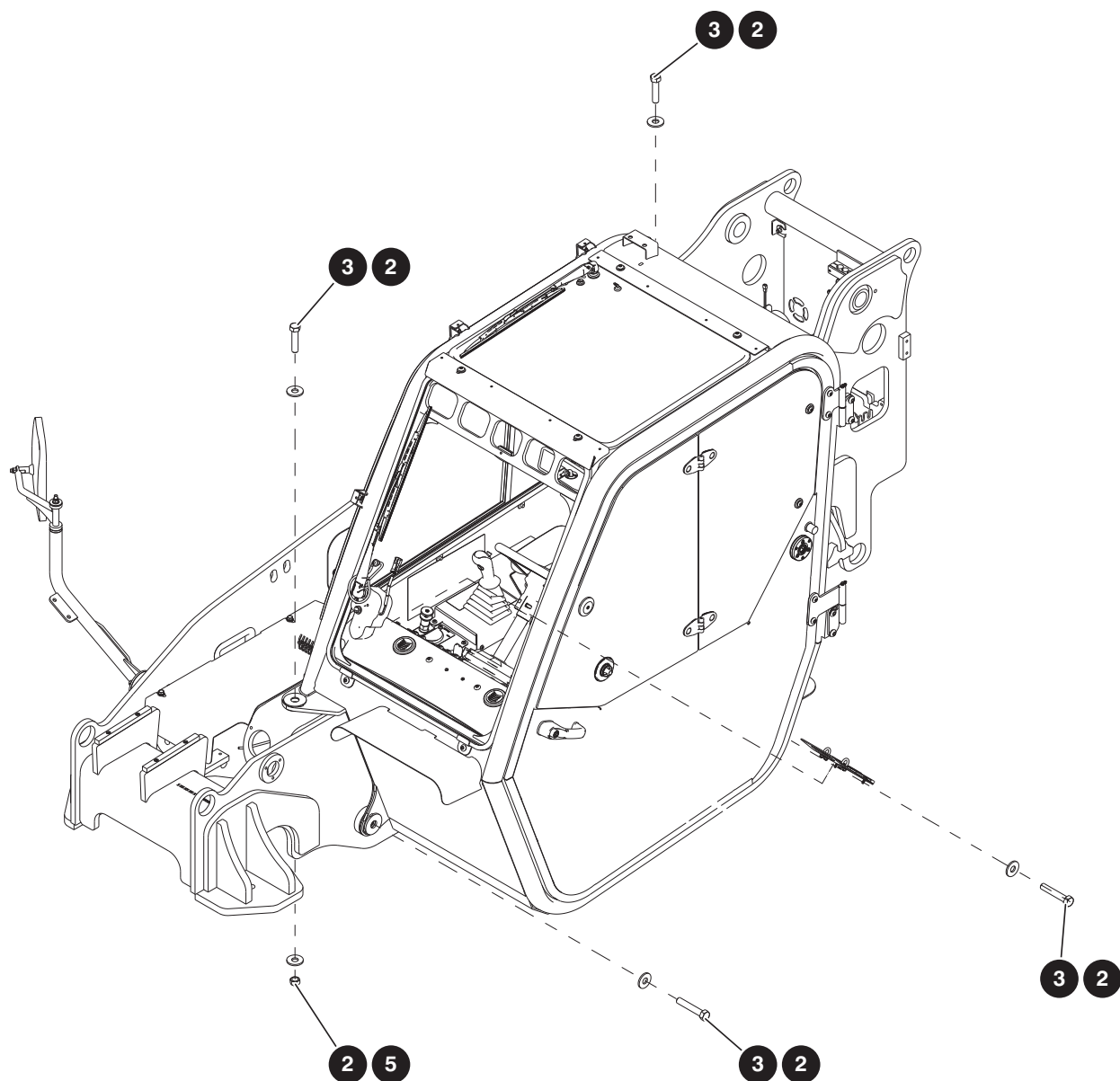
4.16 *Top Window*

4.17 *Front Window*

4.18 *Rear Window*

4.19 *Heater Unit Components*

4.1 Cab Assembly

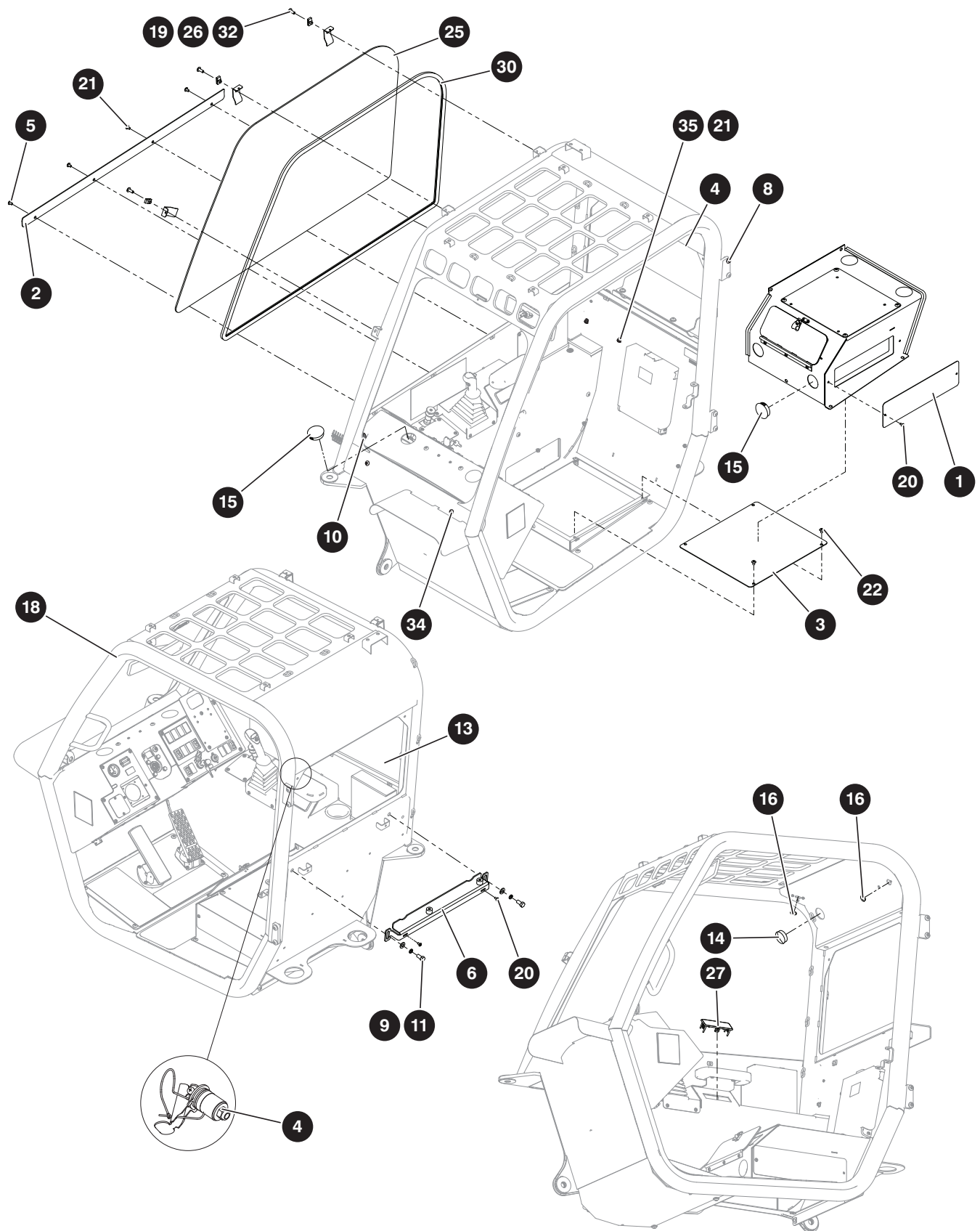


M206212AC

4.1 Cab Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	206212	1	CAB ASSEMBLY
1	205407	1	• ENCLOSED CAB, 519
2	204656	8	• WASHER, Hard 3/4" x 2" x 3/16" thick, zinc plated
3	191836	2	• BOLT, Hex head 3/4"-10 x 4-1/4" Gr. 8, zinc
4	113489	2	• BOLT, Hex head 3/4"-10 x 3-1/4" Gr. 8
5	700575	4	• NUT, Torque lock, 3/4"-10 Gr. C
6	206681	1	• HEATER SUBGROUP (not shown)

4.2 Open Cab

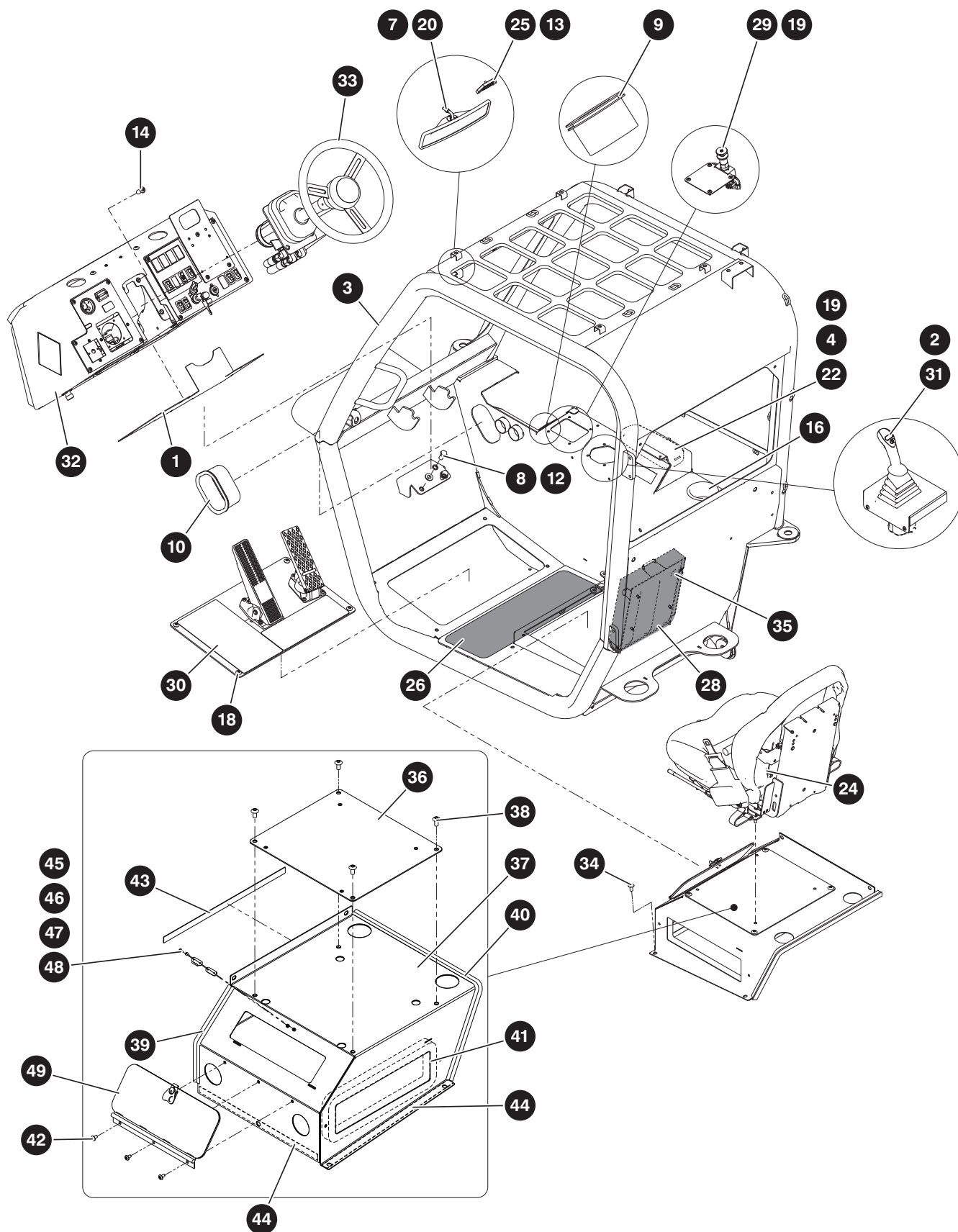


M205304AD

4.2 Open Cab

Index No.	Skyjack Part No.	Qty.	Description
A	205304	1	OPEN CAB - For serial numbers 87 500 732 and below.
B	249495	1	OPEN CAB - For serial numbers 87 500 733 and above.
1	191744	1	• PANEL, Seat riser cover
2	191711	1	• RETAINER, Window side
3	191569	1	• COVER PANEL, Non-HVAC
4	204288	2	• LATCH, Swell, red handle
5	235138	1	• BOLT-HEX HD/ZINC (3/8-16 x 1/2" / GR5) BO
6	204287	1	• WELDMENT, Retainer, top
7	205871	2	• WELDMENT, Tank spacer
8	103472	7	• WASHER, Flat 3/8" type a,w ser
9	103911	2	• BOLT, Hex head 1/2"-13 NC x 1" Gr. 5
10	191914	1	• PLUG, Hole, plastic, 1-1/4" DIA
11	191536	2	• WASHER, Flat 1/2" type a,n ser
12	191538	4	• MSCR, .500-13 NC X 1.00 BH SOC
13	205401	1	• ASSEMBLY, REAR WINDOW
14	191512	1	• PLUG, HOLE, PLASTIC, 2.09 DIA
15	191514	6	• PLUG, HOLE 2.50"
16	191515	2	• HOLE PLUG, 1.00"
17	191542	5	• MSCR, .375-16 NC X .75 BH TORX
18	205390	1	• ASSEMBLY, CAB - A
-			(For components, refer to Section 4.3 - Open Cab Components)
	249498	1	• ASSEMBLY, CAB - B
			(For components, refer to Section 4.3 - Open Cab Components)
19	159294	3	• NUT, U-CLIP, 3/8-16UNC
20	191517	1	• GROMMET, SNAP BUSHING, 1.00" - A
-	191537	7	• SCREW, Machine (1/4"-20) - B
21	205362	2	• WASHER, FLAT, .25 ID X .50 OD
22	191548	2	• BOLT, Machine 1/4"-20 NC x 1/2" TH torx
23	235135	4	• BOLT, SCREW 5/16"-18 NC x 1/2" TH torx - A
24	205361	1	• PLUG, Hole, plastic, 3/8" DIA
25	191708	1	• WINDOW, Right Hand
26	191710	3	• CLIP, Window
27	191492	1	• PLUG, Controller
28	920689	2	• BLANK PLUG, Waytek 43242
29	204286	2	• WIRE TIE, Red polypropylene (Not Shown)
30	191709	1	• BUBBLE SEAL, Loop side
32	223793	3	• BOLT, MACHINE 3/8"-16 NC x 1" BH torx
33	204421	2	• DECAL, EMERGENCY EXIT
34	235133	7	• BOLT, HX FLANGED, .250-20x0.625 GR5 BO - A
-	191542	5	• MSCR, .375-16 NC X .75 BH TORX - B
35	235132	2	• BOLT, HX FLANGED, .250-20x0.375 GR5 ZN

4.3 Open Cab Components

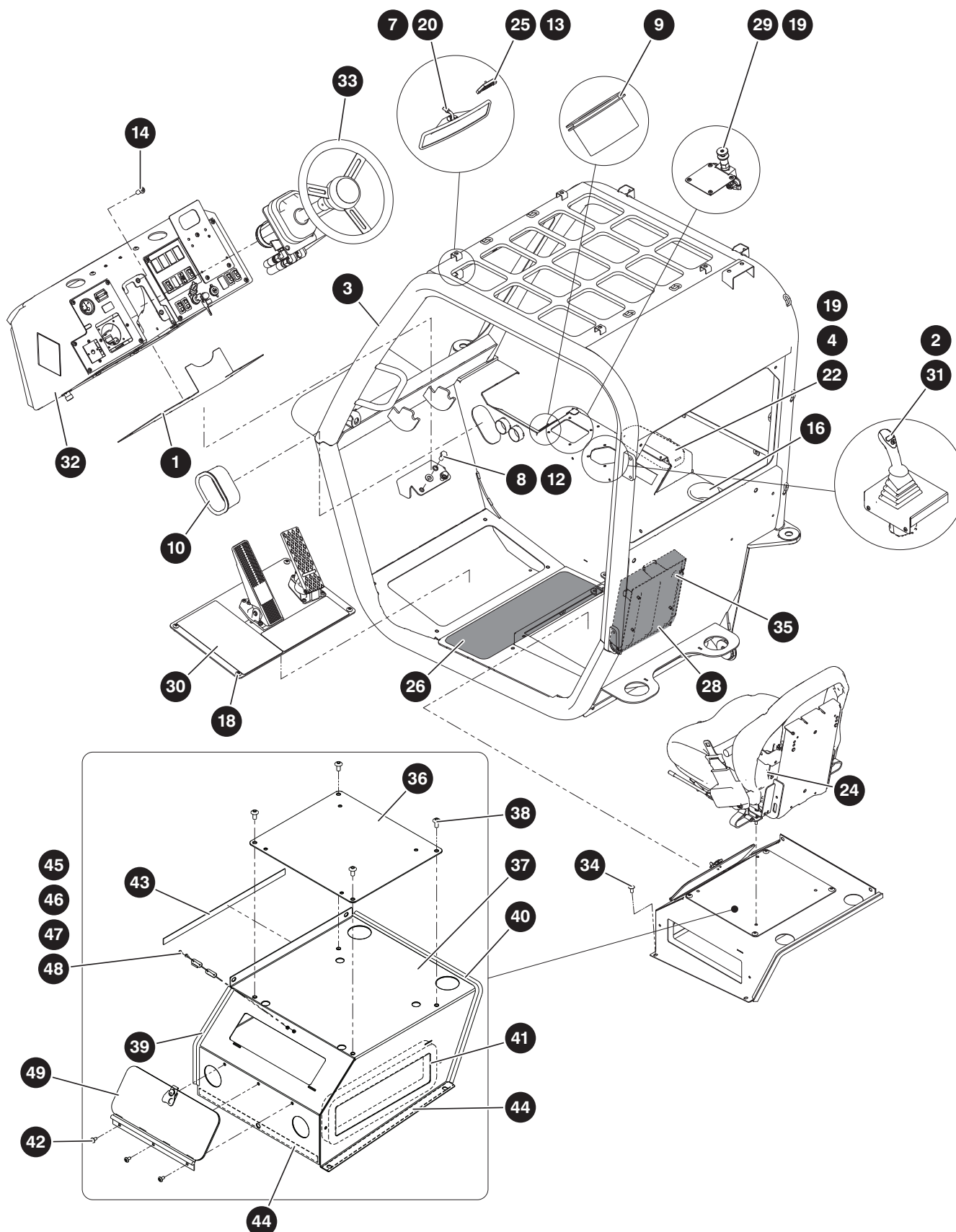


M205390AA

4.3 Open Cab Components

Index No.	Skyjack Part No.	Qty.	Description
A	205390	1	Open Cab - For serial numbers 87 500 732 and below.
B	249495	1	Open Cab - For serial numbers 87 500 733 and above.
1	191570	1	• DASH COVER PLATE
2	205348	1	• PANEL, Joystick cover
3	205313	1	• WELDMENT, Cab
4	104000	2	• WASHER, Lock, hel spring, 1/4"
5	191686	2	• WASHER, Flat 3/16" Type a,w ser
6	104185	5	• WASHER, Lock, hel spring, 3/16"
7	933625	1	• NUT, Hex, M8 x 1-1/4", DIN 934
8	103911	2	• BOLT, Hex head 1/2"-13 NC x 1" Gr. 5
9	205364	1	• SEAL, Flap clip-on
10	205364	1	• SEAL, Flap clip-on
11	103957	2	• BOLT, Machine, #8-32 NC x 1/2" PH phil
12	191536	2	• WASHER, Flat 1/2" type A,n ser
13	138834	4	• SCREW, Machine #10-24 NC x 3/4" PH phil
14	191538	4	• BOLT, Machine 1/2"-13 NC x 1" BH soc
15	191540	2	• WIRE TIE, Nylon, black, 7.5
16	205403	1	• CUP HOLDER, Black plastic
17	191917	2	• BOLT, Machine, #10-24 NC x 1/2" PH PHIL
18	191542	9	• BOLT, Machine 3/8"-16 NC x 3/4" BH torx - A
-	235134	9	• Bolt, Hex (5/8"-16 x 3/4") - B
19	235133	16	• BOLT, HX FLANGED, .250-20x0.625 GR5 BO - A
-	191537	16	• SCREW, Machine (1/4"-20) - B
20	191521	1	• MIRROR HEAD, Stud mount - A
-	205882	1	• MIRROR, Interior - B
21	103991	3	• WASHER, Flat no. 8 SAE
22	205392	1	• ARMREST
23	191574	4	• NUT, Hex, 5/16"-18 NC
24	235139	1	• SEAT, Criod
-	207639	1	• • BELT, Seat (not shown)
-	224575	1	• • KNOB, Adjuster (not shown)
-	260506	1	• • BACK, Seat (not shown)
-	260507	1	• • BASE, Seat (not shown)
25	928355	1	• LEVEL INDICATOR
26	205360	1	• TAPE, Anti-skid psa
27	205327	1	• BUBBLE SEAL, 180°
28	220608	1	• BOX, Manual holder - A
-	198789	1	• BOX, Manual holder - B
29	205402	1	• ASSEMBLY, Flow control
30	205363	1	• ASSEMBLY, Pedals
31	205393	1	• ASSEMBLY, Joystick
32	205397	1	• ASSEMBLY, Front dash - A (For components, refer to Section 4.8 - Front Dash)
	249499	1	• ASSEMBLY, Front dash - B (For components, refer to Section 4.8 - Front Dash)
33	205400	1	• ASSEMBLY, Steering
34	235134	9	• BOLT, HX FLANGED, .375-16x0.750 GR5 BO
35	235132	4	• BOLT, HX FLANGED, .250-20x0.375 GR5 BO
-	-	-	Parts list continued in following page

4.3 Open Cab Components

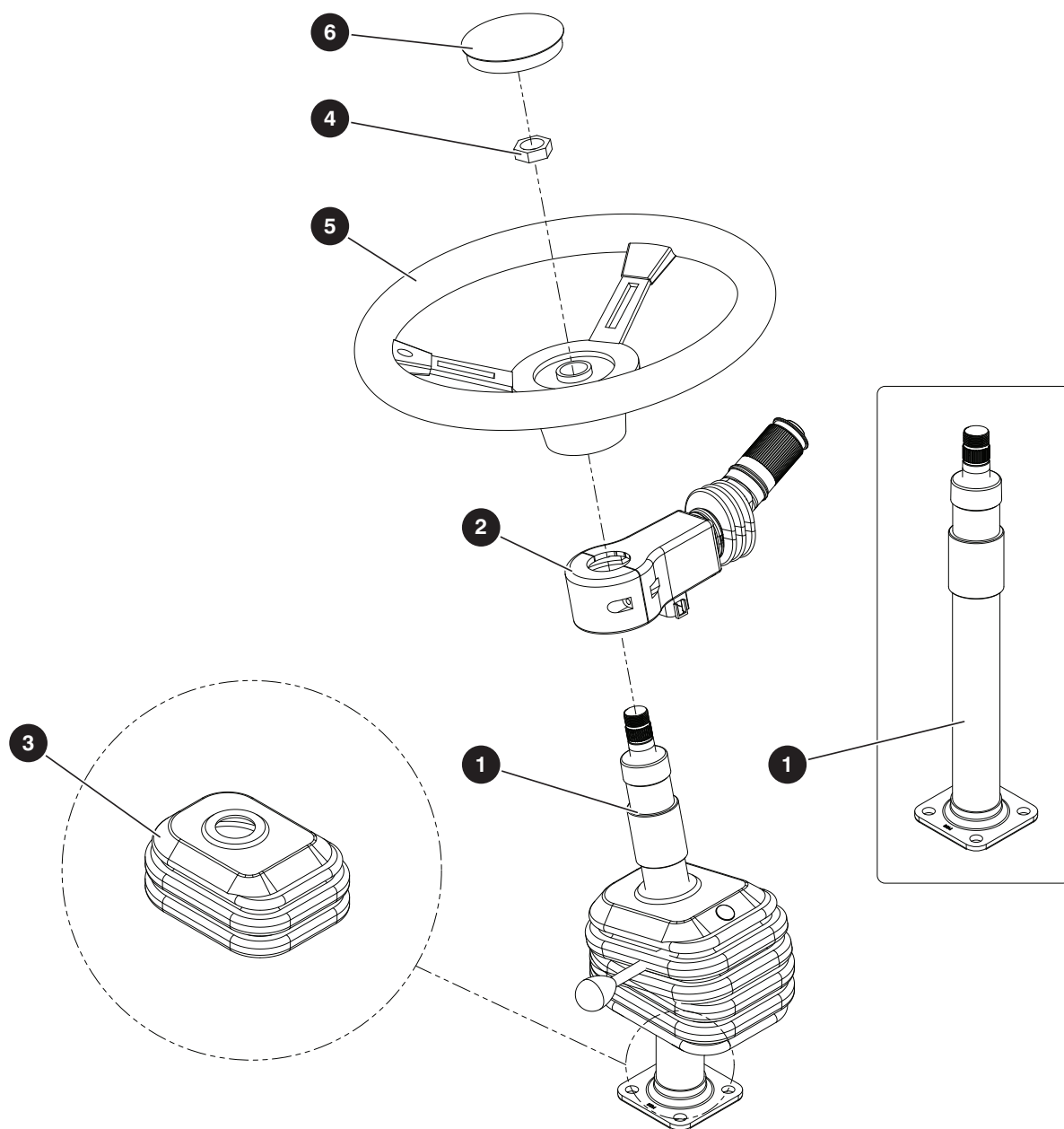


M205390AA

4.3 Open Cab Components

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Part list continued from previous page
-	205391	1	• ASSEMBLY, Seat mount
36	205398	1	• • PLATE, Seat adapter
37	205314	1	• • WELDMENT, Seat riser with shelf
38	235134	4	• • BOLT, Machine 3/8"-16 NC x 3/4" BH Torx
39	205327	13.5	• • BUBBLE SEAL, 180°
40	205327	28	• • BUBBLE SEAL, 180°
41	191518	44	• • FOAM SEAL
42	235133	3	• • BOLT, Machine 1/4"-20 NC x 5/8" TH Torx
43	191524	17.5	• • GASKET, Foam seal
44	191524	36.3	• • GASKET, Foam seal
45	924972	2	• • NUT, Lock with nylon insert no. 6
46	191753	2	• • BOLT, Phil TMS 6-32 UNC x 1/2" SS
47	191563	1	• • LATCH, Pad lockable
48	191747	1	• • SPACER, Catch latch
49	191587	1	• • TOOL DOOR

4.4 Steering Column

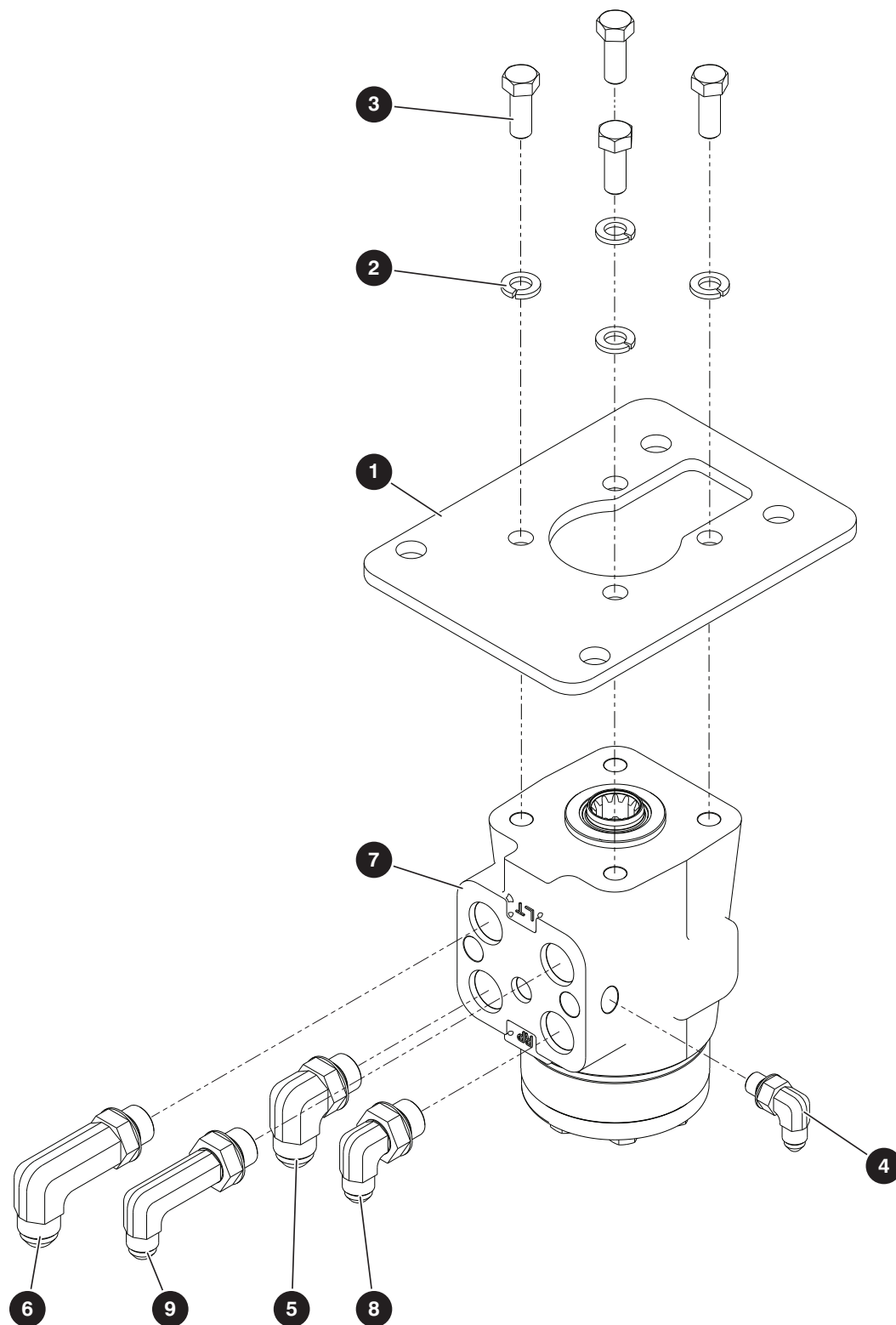


M206669AA.ai

4.4 Steering Column

Index No.	Skyjack Part No.	Qty.	Description
A	206818	1	TILT STEERING
B	206706	1	STANDARD STEERING
1	205663	1	• TILT STEERING - A
	191845	1	• STEERING, Flat flange column - B
2	205895	1	• SHIFTER, Single speed
3	191493	1	• BOOT, Column
4	405037	1	• NUT, Steering wheel
5	404849	1	• STEERING WHEEL, 14.5"
6	411375	1	• CAP, Steering wheel

4.5 Orbital Steering Motor

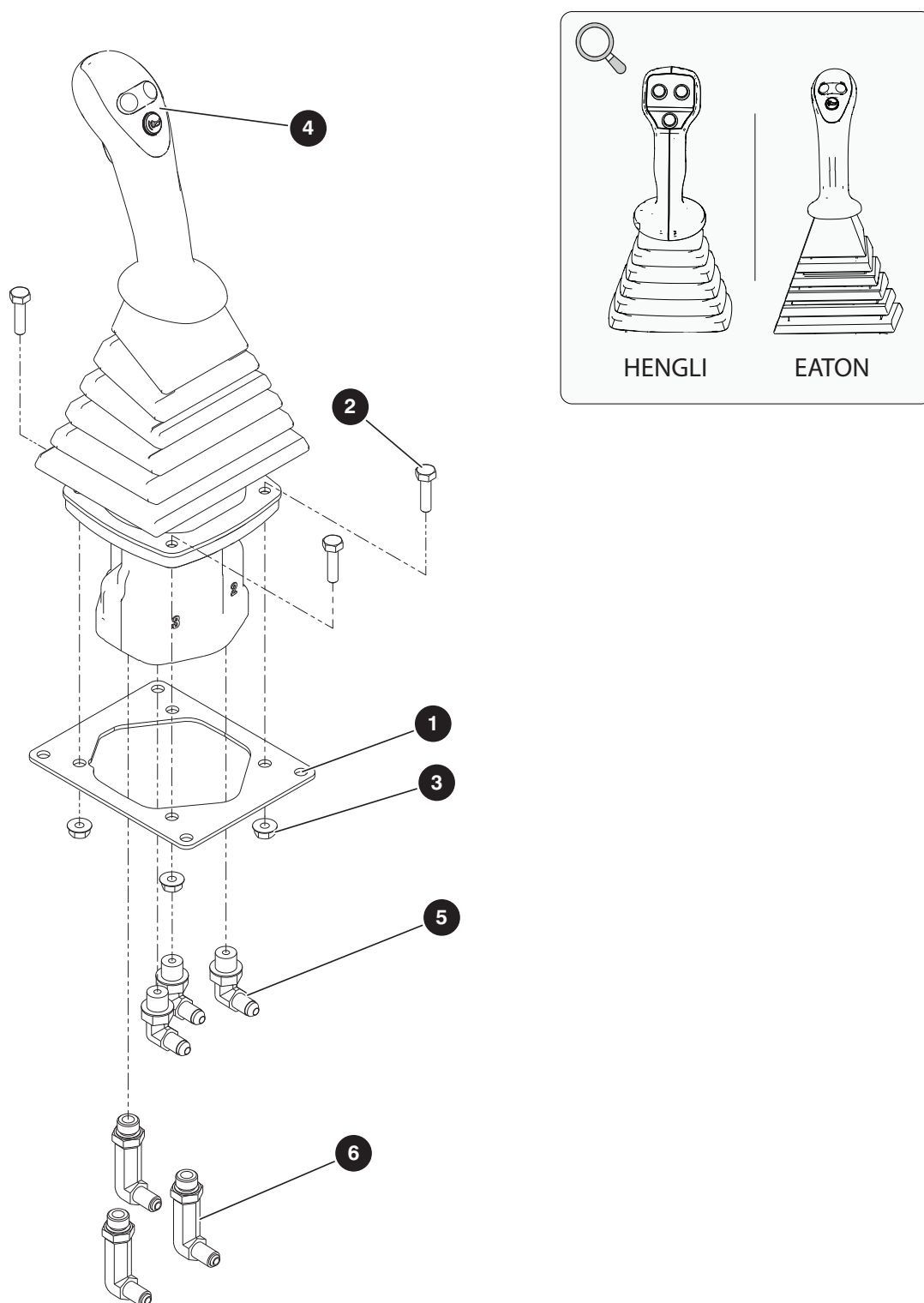


M205400AA

4.5 Orbital Steering Motor

Index No.	Skyjack Part No.	Qty.	Description
-	205400	1	ORBITAL STEERING MOTOR
1	191496	1	• PLATE, Steering mount
2	103999	4	• WASHER, Lock 3/8"
3	103473	4	• BOLT, Hex head zinc plated (3/8"-16 x 1" Gr. 5)
4	125883	1	• FITTING, 90° (04 JICM - 04 ORBM)
5	114583	1	• FITTING, 90° (08 JICM - 08 ORBM)
6	702798	1	• FITTING, 90° LL (08 JICM - 08 ORBM)
7	206832	1	• MOTOR, Steering 519
-	224158	1	• • SHAFT SEAL
-	224159	1	• • SEAL KIT
-	224160	1	• • RELIEF VALVE SEAT
-	224161	1	• • RELIEF VALVE SEAT
-	224206	1	• • VALVE , CHECK
-	224207	1	• • BALL
-	224208	1	• • BALL
-	224209	1	• • SPRING
-	224210	1	• • SPRING
8	102665	1	• FITTING - 90° (06 JICM - 08 ORBM)
9	154253	1	• FITTING, 90° LL (06 JICM - 08 ORBM)

4.6 Joystick

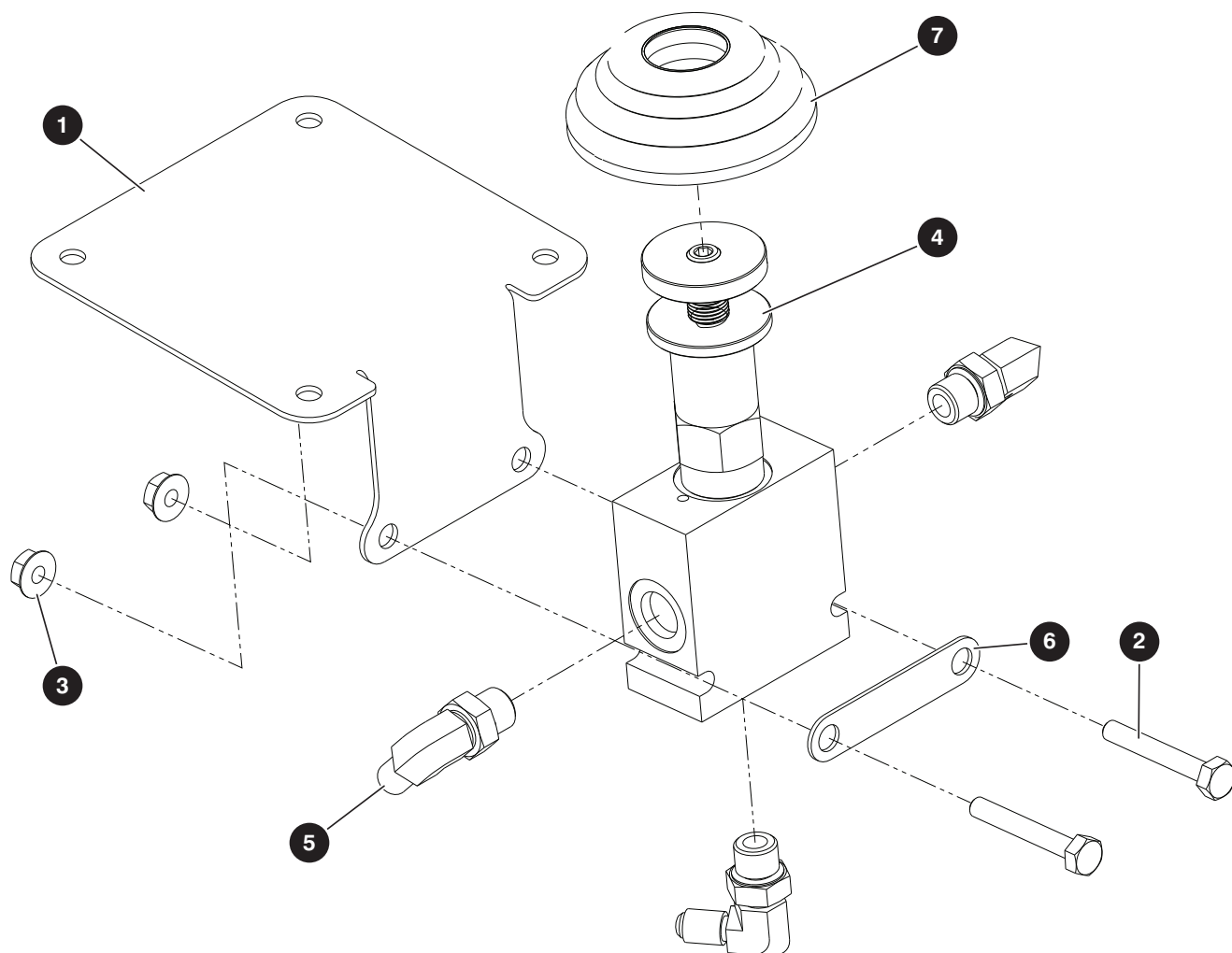


M205393AA

4.6 Joystick

Index No.	Skyjack Part No.	Qty.	Description
-	205393	1	JOYSTICK
1	205868	1	• PANEL, Joystick mount - EATON
	256476	1	• PANEL, Joystick mount - HENGLI
2	103857	4	• BOLT, Hex head zinc plated (1/4"-20 x 1" Gr. 5)
3	168208	4	• NUT, Hex serrated flange 1/4"-20
4	190356	1	• JOYSTICK, Hydraulic - EATON
	256465	1	• JOYSTICK, Hydraulic - HENGLI
5	129127	3	• FITTING, O-RING 90° elbow - EATON
	131716	6	• FITTING, 45° - HENGLI
6	205341	3	• FITTING, 90° LL (04 JICM - 06 ORBM) - EATON

4.7 Proportional Flow Control Valve

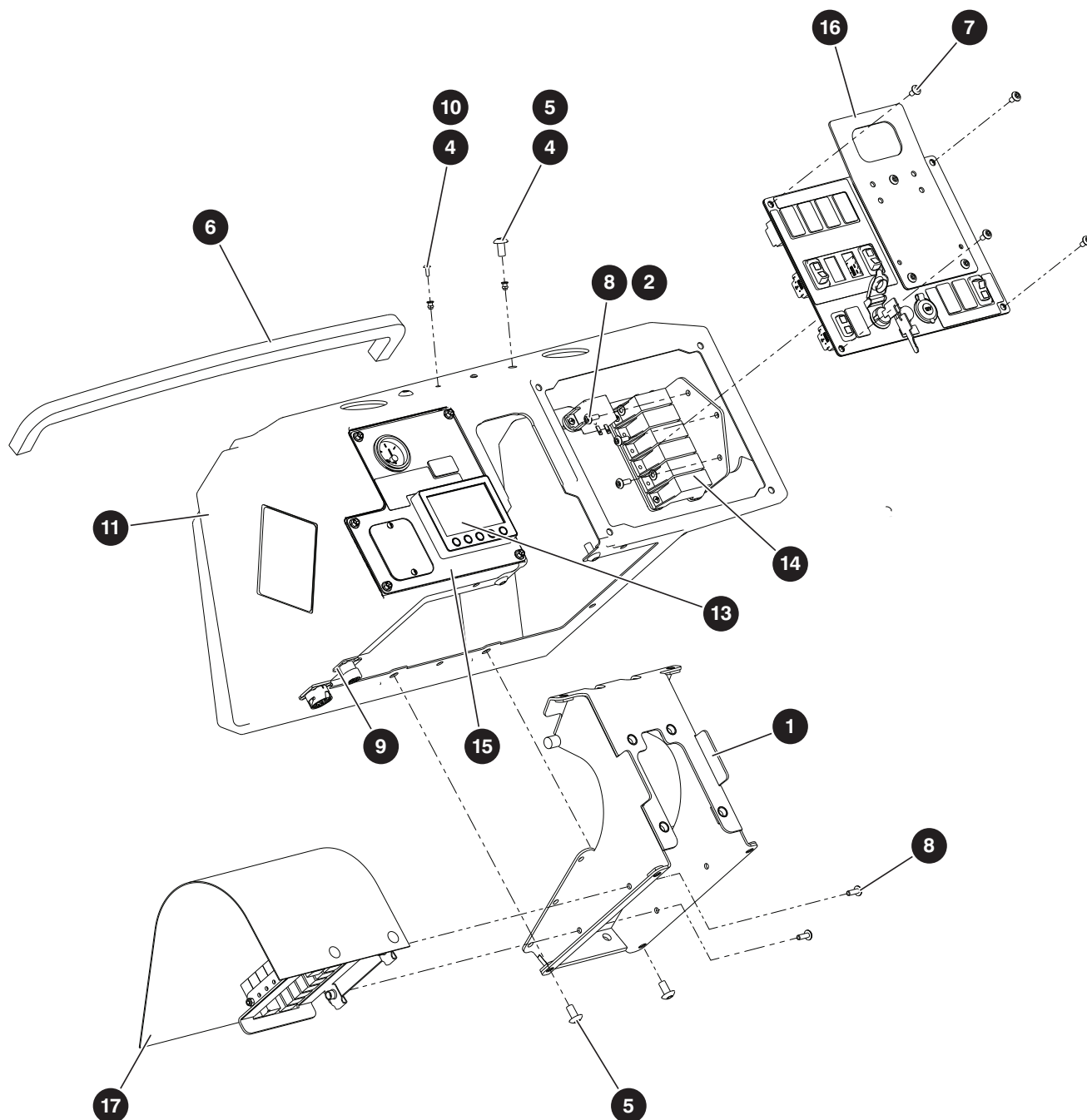


M205402AA

4.7 Proportional Flow Control Valve

Index No.	Skyjack Part No.	Qty.	Description
-	205402	1	PROPORTIONAL FLOW CONTROL VALVE
1	205886	1	• PLATE, Valve mounting
2	103860	2	• BOLT, Hex head zinc plated (1/4"-20 x 1-3/4" Gr. 5)
3	168208	2	• NUT, Hex-serrated flange 1/4"-20
4	205321	1	• VALVE, Proportional control hydraulic
5	205340	3	• FITTING, 06 MB - 04 MJ90
6	205899	1	• PLATE, FV Bolt spacer
7	205891	1	• BELLOWS, Flow control

4.8 Front Dash

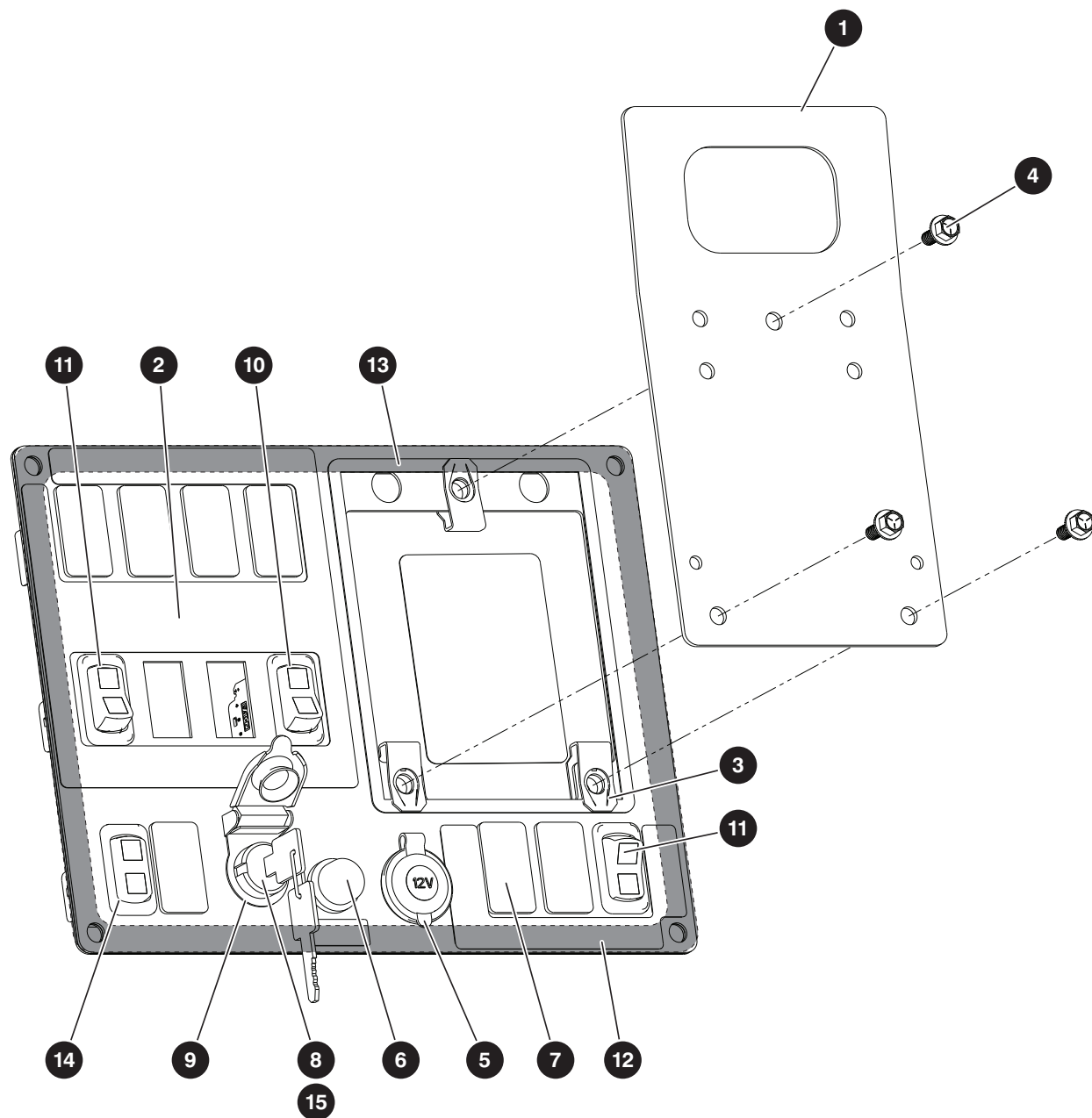


M205397AA

4.8 Front Dash

Index No.	Skyjack Part No.	Qty.	Description
A	205397	1	FRONT DASH - For serial numbers 87 500 732 and below.
B	249499	1	FRONT DASH - For serial numbers 87 500 733 and above.
1	191519	1	• WELDMENT, Steering column mount
2	191686	2	• WASHER, Flat 3/16" type A, w ser
3	198996	4	• WIRE TIE, Nylon, 11.8" long, black (Not shown)
4	191545	2	• NUTSERT, 8-32 UNC x 0.350"
5	191542	6	• BOLT, Machine, 3/8"-16 NC x 3/4" BH torx
6	191518	1	• FOAM SEAL
7	191548	9	• BOLT, Machine 1/4"-20 NC x 1/4" TH torx
8	191550	5	• BOLT, Machine 1/4"-18 NC x 3/4" TH torx
9	191753	8	• PHIL TMS 6-32 UNC x 1/2" SS
10	191575	2	• PHIL TMS, 8-32 UNC x 1/2" 18-8SS
11	205335	1	• DASH PANEL, Plastic
12	206101	1	• HARNESS, Console 5K (Not shown) - A
-	246357	1	(For components, refer to Section 5.2 - Console Harness (S/N 87 500 732 and below))
			• HARNESS, Console 5K (Not shown) - B
13	244220	1	• DISPLAY, Engine
14	191576	1	• ASSEMBLY, Fuse and power
15	205395	1	• ASSEMBLY, Left Hand Dash panel switches - A
-	244225	1	• ASSEMBLY, Left Hand Dash panel switches - B
			(For components, refer to Section 4.8 - Front Dash)
16	205396	1	• ASSEMBLY, Right Hand Dash panel
17	205898	1	• ASSEMBLY, Micro relay - A
-	249500	1	• ASSEMBLY, Micro relay - B

4.9 Right Hand Dash Panel

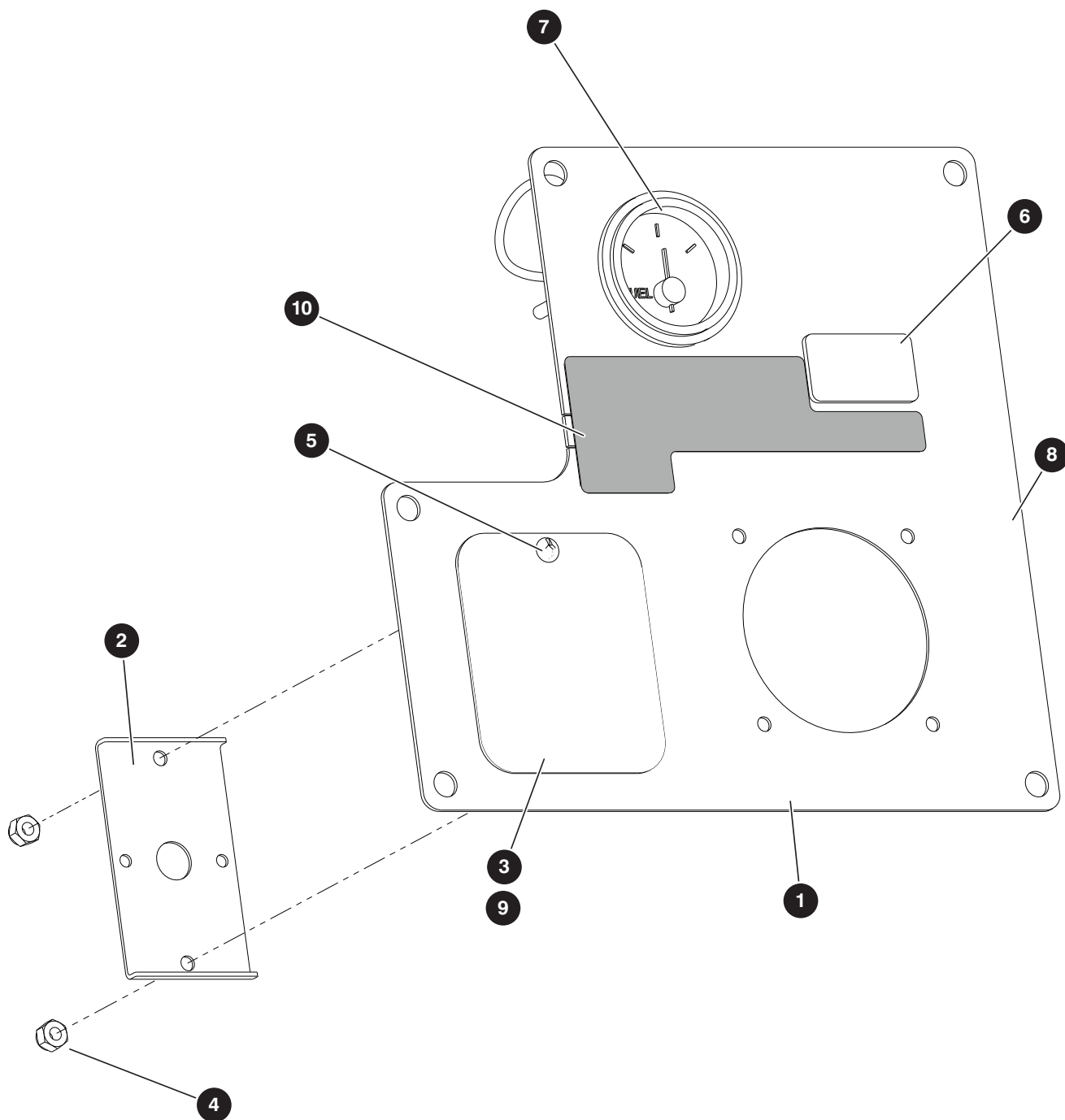


M205396AA

4.9 Right Hand Dash Panel

Index No.	Skyjack Part No.	Qty.	Description
1	205396	1	Right Hand Dash Panel
1	191318	1	• PLATE, Flip chart mount
2	205336	1	• PANEL, Console right hand
3	149496	3	• NUT, Speed clip (1/4"-20 x 0.5 OL)
4	235133	3	• BOLT, Hex head 1/4"-20 NC x 1/4" TH
5	922915	1	• POWER PORT, 12V
6	405339	1	• BUTTON, Horn
7	920689	7	• SWITCH, Plug
8	926721	1	• SWITCH, Ignition
9	925191	1	• SWITCH COVER, Ignition switch
10	191454	1	• SWITCH, Park brake
11	191457	2	• SWITCH, Rocker
12	205863	1	• GASKET, RHS
13	205865	1	• GASKET, RHS Flipchart
14	206645	1	• INDICATOR, Glow plug/hydraulic oil temp
15	925248	1	KEY, IGNITION

4.10 Left Hand Dash Panel

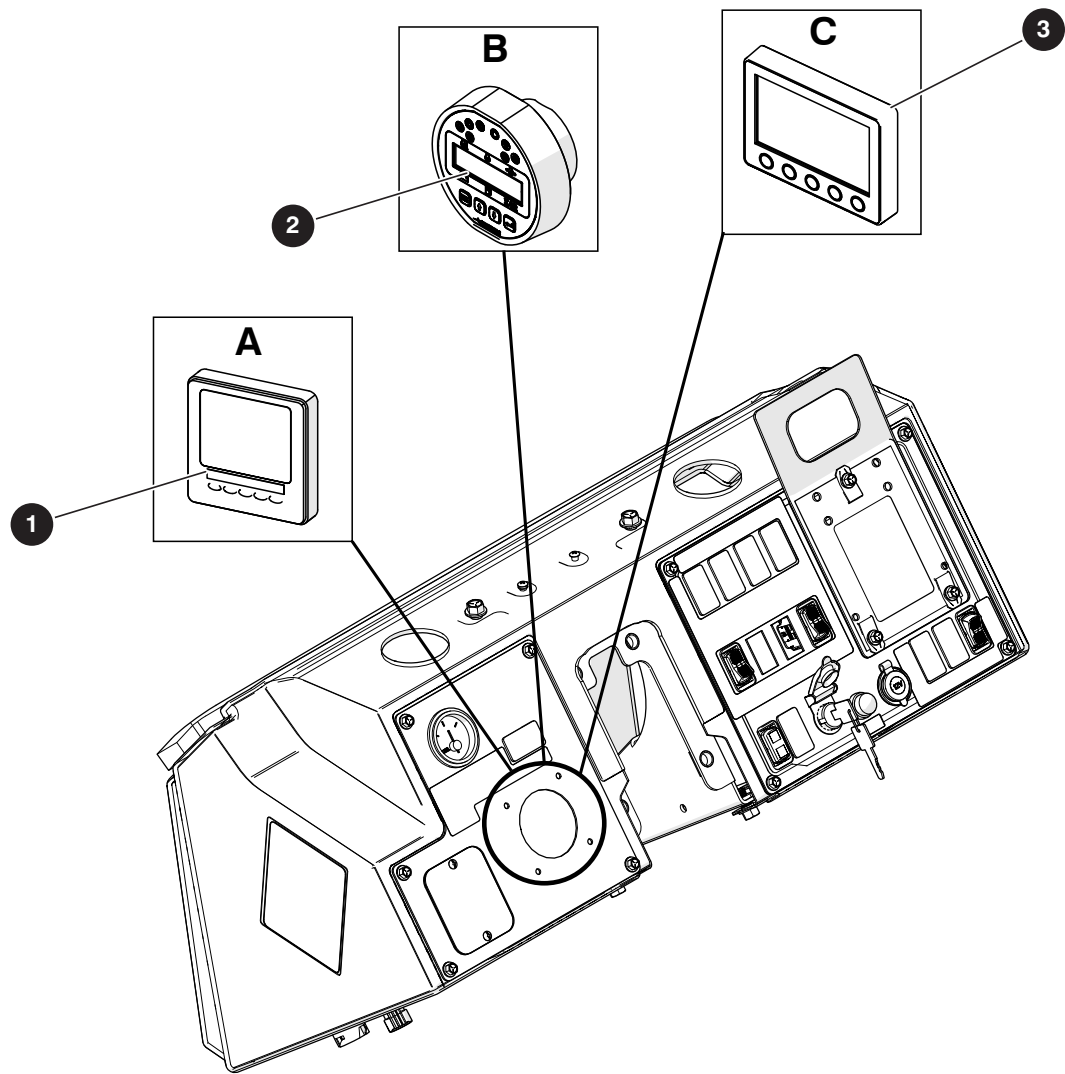


M244225AA

4.10 Left Hand Dash Panel

Index No.	Skyjack Part No.	Qty.	Description
-	244225	1	LEFT HAND DASH PANEL
1	244219	1	• PANEL, Left Hand console
2	205876	1	• BRACKET, Creep mode
3	205877	1	• PLATE, Cover, creep mode
4	126642	4	• NUT, Lock with nylon insert 10-24 Gr. 5
5	138834	4	• SCREW, Round head machine 10-24 x 3/4"
6	920689	1	• PLUG, Switch
7	407726	1	• GAUGE, S-W fuel level
8	205864	1	• GASKET, LHS
9	205888	1	• GASKET, Cover, creep mode
10	172942	1	• LABEL, Left dash panel

4.11 Engine Display

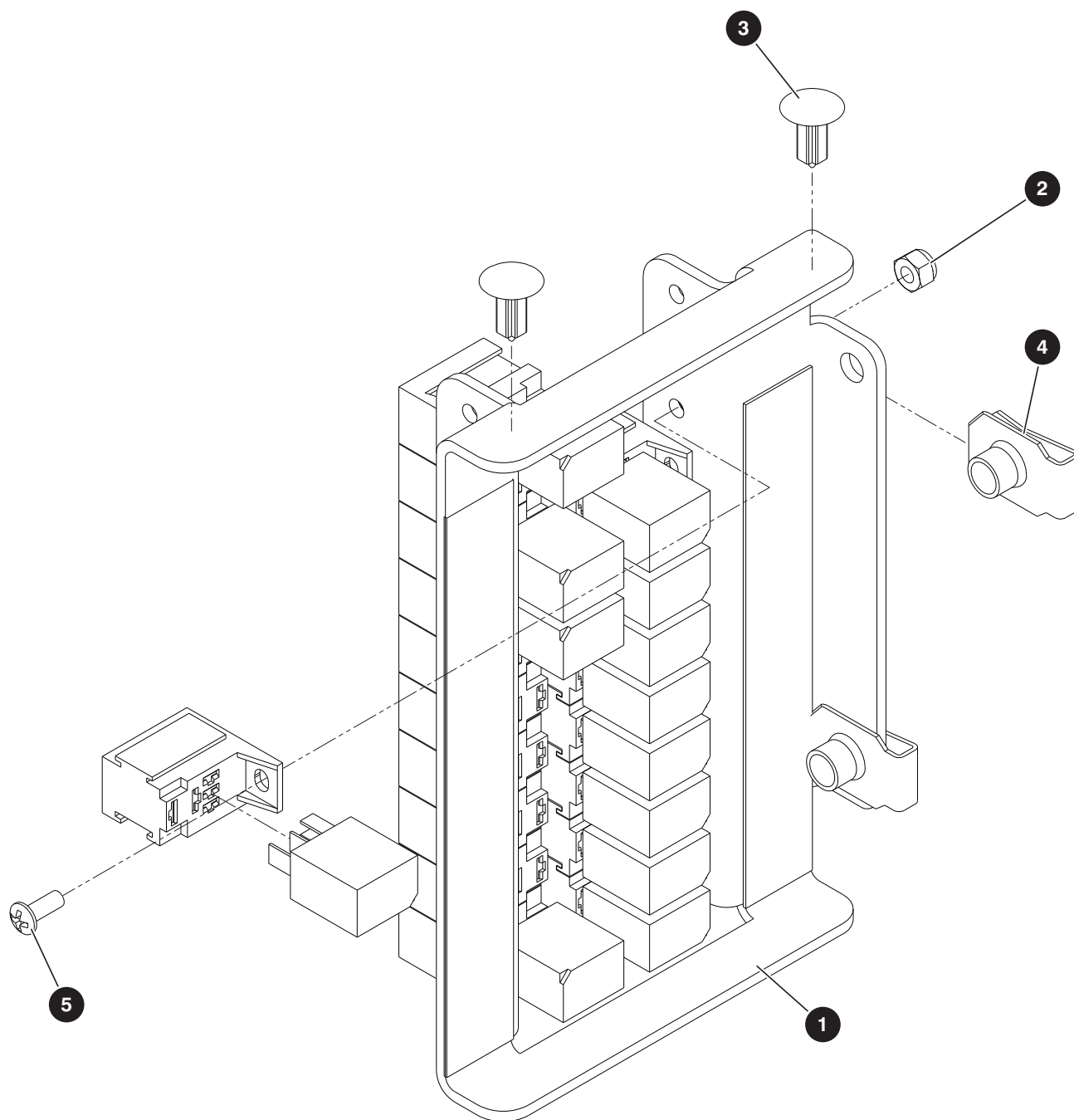


M244224AA

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	244217	1	ENGINE DISPLAY CHANGE KIT

 **Notes**

4.12 Relay Bracket

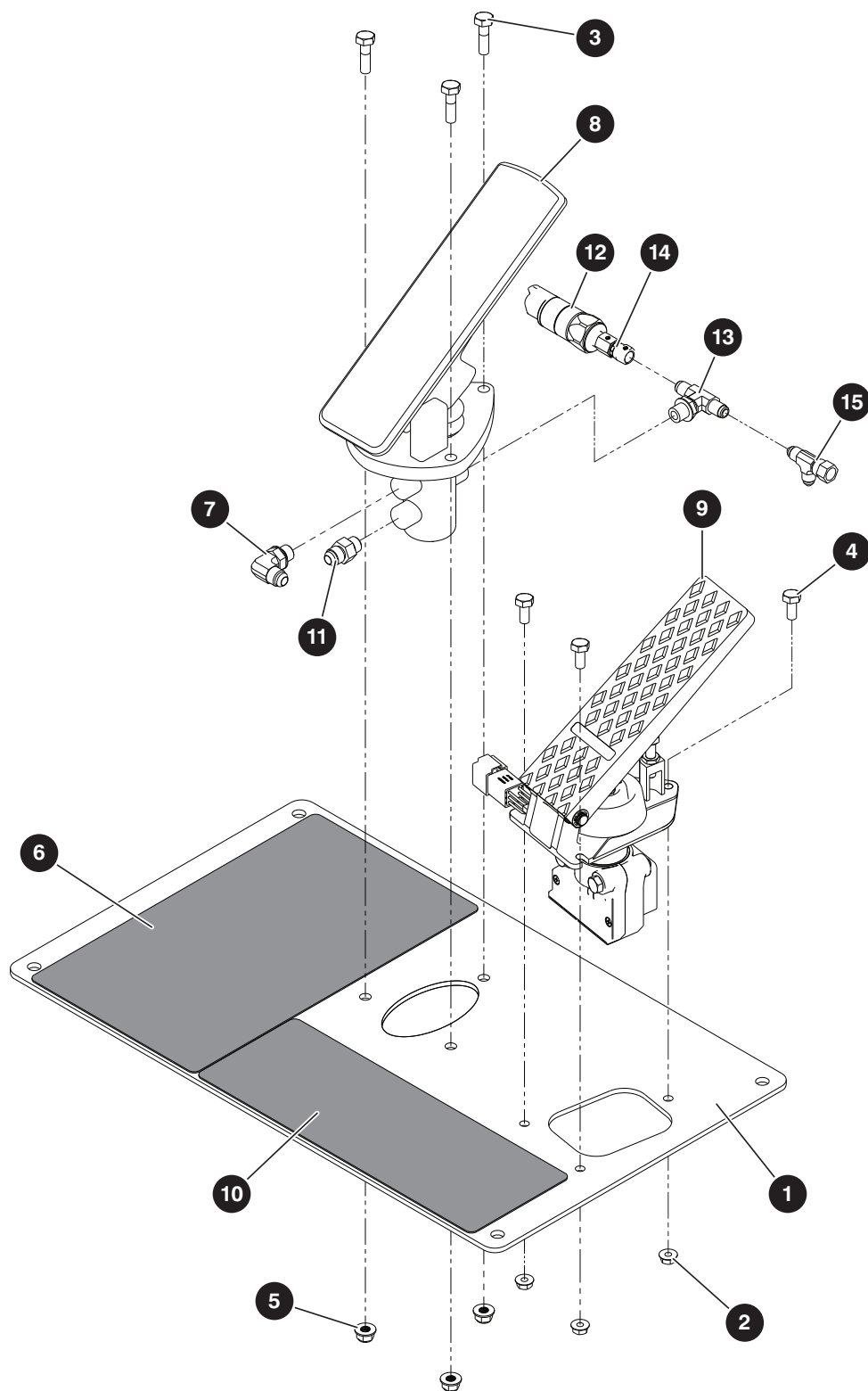


M205898AA.ai

4.12 Relay Bracket

Index No.	Skyjack Part No.	Qty.	Description
-	205898	1	RELAY BRACKET
1	191912	1	• BRACKET, Relay mount bank 22
2	126642	6	• NUT, Lock with nylon insert 10-24 Gr. 5
3	224275	2	• RETAINER, Tree 1/4"
4	149496	2	• NUT, Speed clip (1/4"-20 x 1/2" OL)
5	191917	6	• BOLT, Machine, #110-24 NC x 1/2" PH phil
6	213090	1	• COVER, Left hand relays - (Not shown)

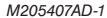
4.13 Brake and Throttle Pedals



M205363AC

4.13 Brake and Throttle Pedals

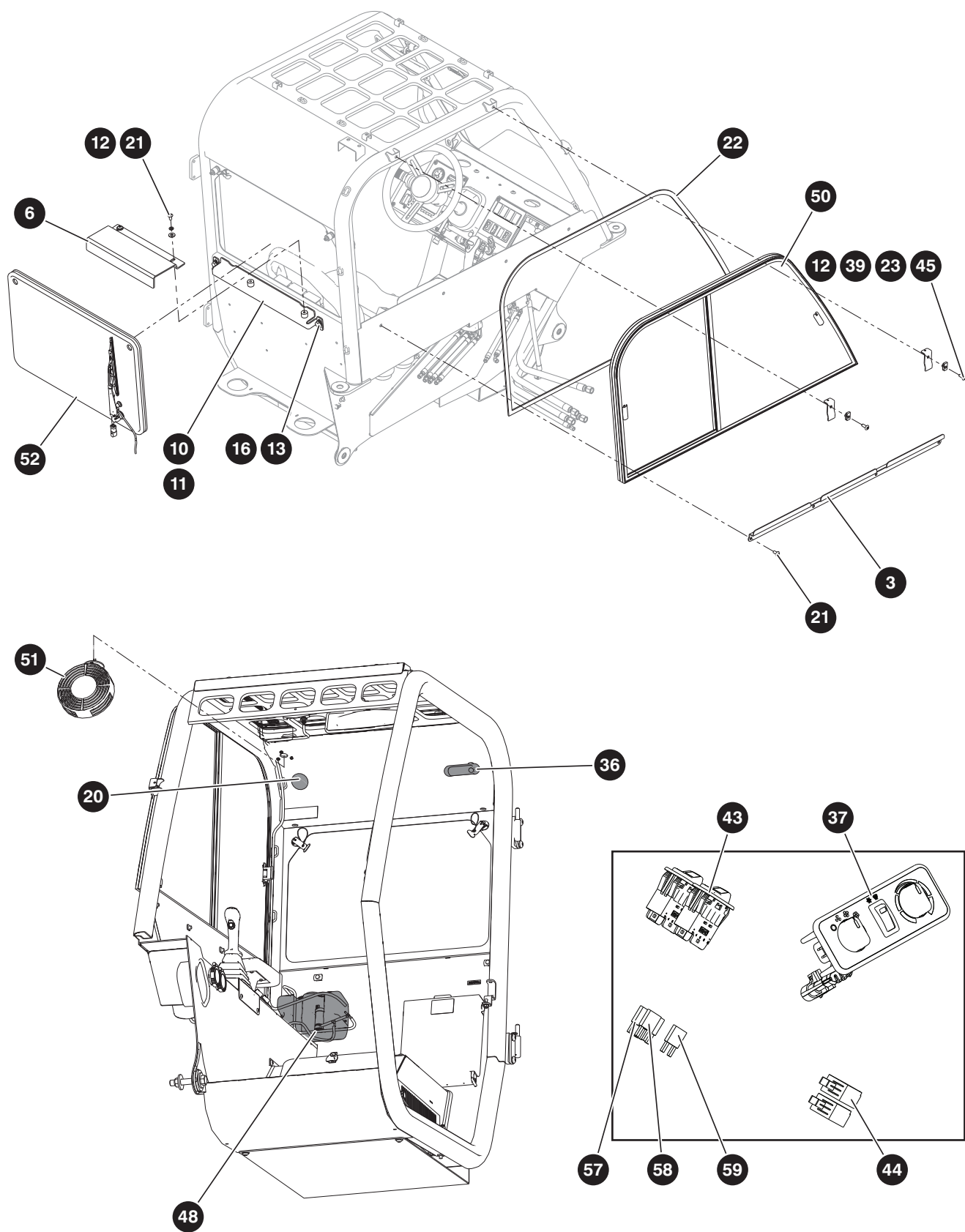
Index No.	Skyjack Part No.	Qty.	Description
-	205363	1	BRAKE AND THROTTLE PEDALS
1	191746	1	• PLATE, Pedal mounting
2	168208	3	• NUT, Hex serrated flange 1/4"-20
3	235136	3	• BOLT, Hex head 5/16"-18 NC x 1-1/4" TH
4	235133	3	• BOLT, Hex head 1/4"-18 NC x 3/4" TH
5	191574	3	• NUT, Hex 5/16" -18 NC flanged
6	191529	1	• TAPE, Anti- skid PSA
7	114578	1	• FITTING, 90° (06 JICM - 06 ORBM)
8	926370	1	• BRAKE, Valve
9	152201	1	• PEDAL, Throttle, electronic
10	191546	1	• TAPE, Anti- skid psa
11	103069	1	• FITTING, Straight (06 JICM - 06 ORBM)
12	205893	1	• SENSOR, FITTING
13	148490	1	• FITTING, Branch tee (06 SAEM - 04 JICM - 04 JICM))
14	206475	1	• FITTING, Straight (02 NPTF - 04 JICF)
15	707917	1	• FITTING, (04 JICM - 04JICM - 04 JICFS)



4.14 Enclosed Cab

Index No.	Skyjack Part No.	Qty.	Description
A	205407	1	ENCLOSED CAB - For serial numbers 87 500 732 and below.
B	249496	1	ENCLOSED CAB - For serial numbers 87 500 733 and above.
1	191649	1	PANEL, Screen intake
2	191651	1	RETAINER, Front upper window
3	191652	1	RETAINER, Window slider lo
4	191653	1	PLATE, Retainer, top
5	204288	2	LATCH, Swell, red handle
6	205318	1	PANEL, Tank cover - A
7	205338	1	PANEL, Belly pan
8	191926	1	HINGE, Upper
9	191927	1	HINGE, Lower
10	204287	1	RETAINER, Top
11	205871	2	TANK, Spacer
12	103472	11	WASHER, Flat 3/8" Type A,W SER
13	103911	2	BOLT, Hex Head 1/2"-13 NC x 1" Gr. 5
14	191532	4	CLAMP, Hose, #40 2-1/16" - 3"
15	191689	1	BALL STUD, Gas spring, 10 mm
16	191536	4	WASHER, Flat 1/2" Type A,N SER
17	191692	2	KNOB, Black, 1-1/4" DIA 1/4" x 3/4"
18	191695	2	HOSE, Tee 3/16" DIA
19	191538	4	BOLT, Machine 1/2"-13 NC x 1" BH soc
20	191512	1	PLUG, Hole, plastic, 3/32" DIA
21	191542	12	BOLT, Machine 3/8"-16 NC x 3/4" BH torx
22	223900	1	RUBBER, D-seal, PSA hats
23	159294	8	NUT, U-clip, 3/8"-16 UNC
24	191702	1	NUT, Hex jam, M12 x 1.0 F
25	191703	1	STRIKER STUD, 17 mm
26	205901	1	GROMMET, Snap bushing, 1"
27	191548	2	MSCR, 1/4"-20 NC x 1/2" TH torx
28	191677	4	MSCR, 5/16"-18 NC x 1/2" TH torx - A
-	235135	4	MSCR, 5/16"-18 NC x 1/2" G5 - B
29	191523	1	DUCT, Flex air
30	191523	1	DUCT, Flex air
31	191706	2	LOUVER, Round, 2.79 w/2.0 hose
32	921521	1	FILTER, HVAC
33	191574	1	NUT, Hex, 5/16"-18 NC
34	191707	2	HINGE WASHER, Brass
35	191525	1	FITTING, Wiper hose
36	191658	1	DOME LIGHT, Oval with switch
37	191491	1	CONTROLLER, HVAC
38	922749	1	HEATER UNIT

4.14 Enclosed Cab

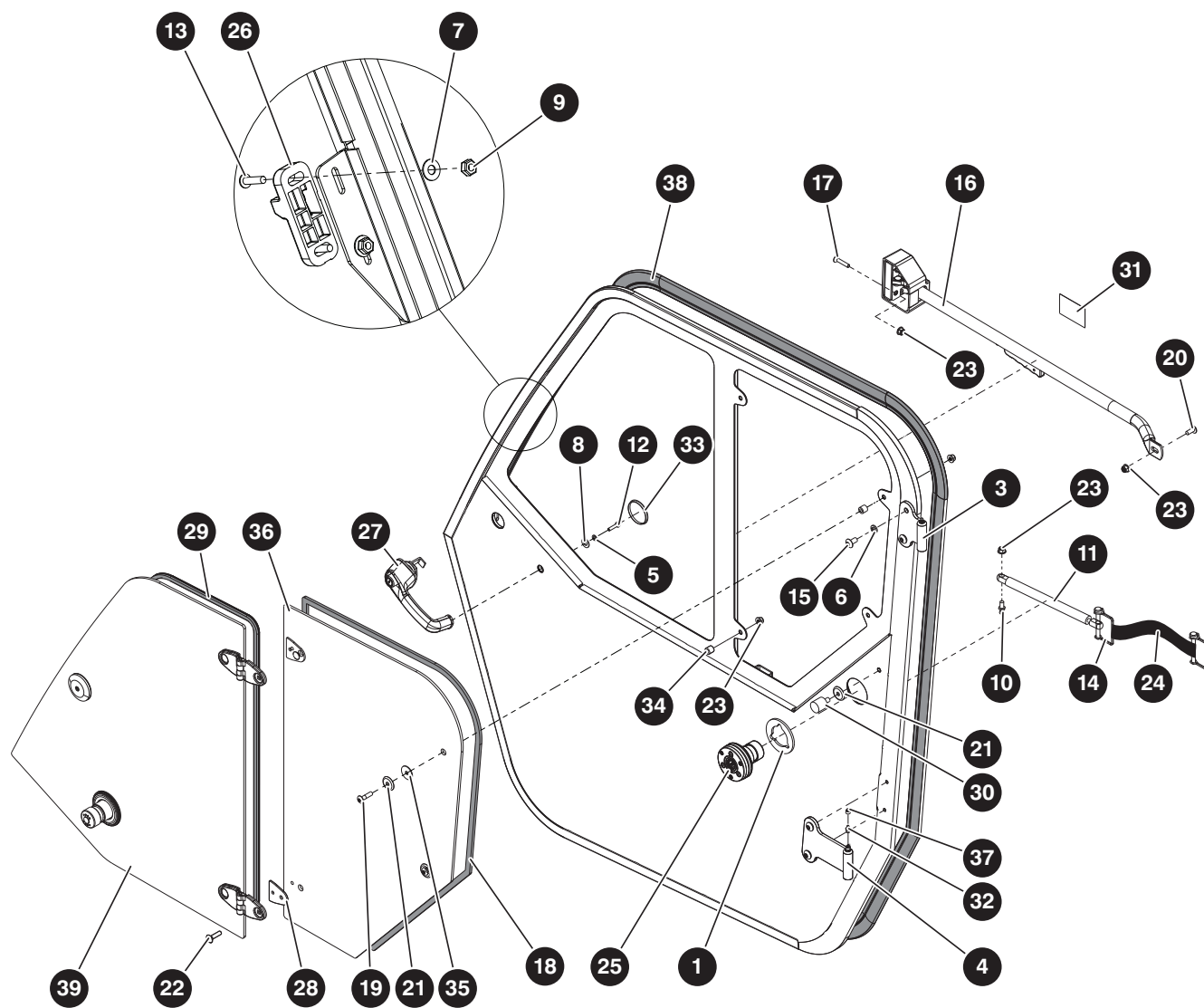


M205407AD-2

4.14 Enclosed Cab

Index No.	Skyjack Part No.	Qty.	Description
39	191665	3	CLIP, Window slider
40	191666	2	RETAINER, Front window lo
41	191472	1	WIRE HARNESS, Cab components
42	191490	1	WIRE HARNESS, Heater/AC - A
-	224176	1	WIRE HARNESS, Heater/AC - B
43	191459	2	SWITCH, Wiper/washer
44	931298	2	MICRO RELAY, 20A
45	223793	7	BOLT, Machine 3/8"-16 NC x 1" BH torx
46	204421	2	DECAL, Emergency exit
47	204286	2	WIRE TIE, Red polypropylene
48	205382	1	TANK, Washer fluid
49	205879	4	LOUVER, Round, 2.79"
50	223899	1	WINDOW, Slider
51	191680	1	ASSEMBLY, Fan with terminals
52	(Ref)	1	ASSEMBLY, Rear window <i>(For components, refer to Section 4.18 - Rear Window)</i>
53	(Ref)	1	ASSEMBLY, Front window <i>(For components, refer to Section 4.17 - Front Window)</i>
54	(Ref)	1	ASSEMBLY, Top window <i>(For components, refer to Section 4.16 - Top Window)</i>
55	205390	1	ASSEMBLY, Cab - A
-	249498	1	ASSEMBLY, Cab - B
56	205394	1	ASSEMBLY, Door LH
57	156203	2	FUSE, ATO\ATC, 10 A, red
58	156164	1	FUSE, ATO\ATC, 30 A, light green
59	156202	1	FUSE, ATO\ATC, 5 A, tan

4.15 Cab Door

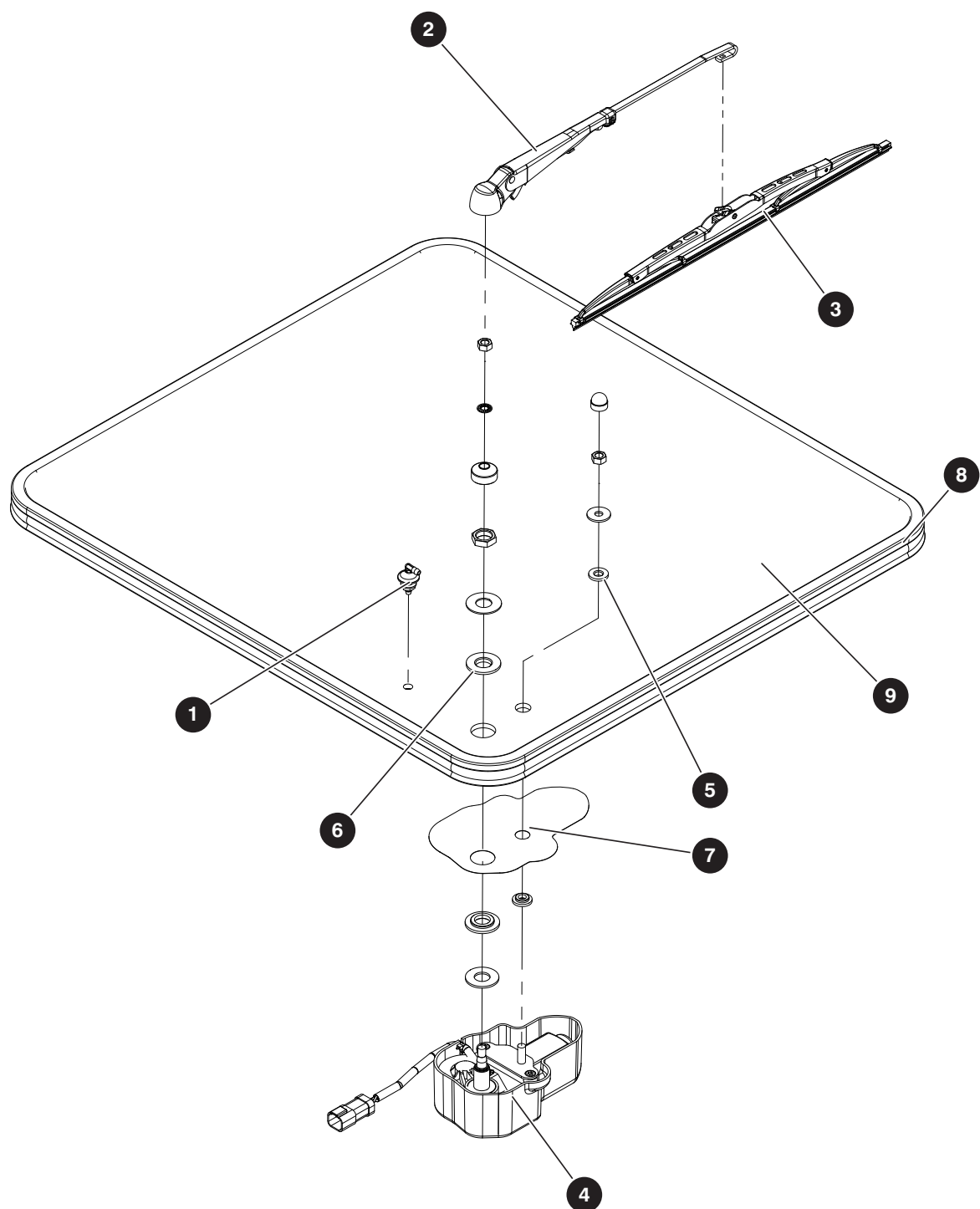


M205394AA.ai

4.15 Cab Door

Index No.	Skyjack Part No.	Qty.	Description
-	205394	1	DOOR ASSEMBLY
1	191933	1	• SPACER, WINDOE HOLD-OPEN
2	205315	1	• WELDMENT, DOOR
3	205316	1	• WELDMENT, TOP HINGE DOOR
4	205317	1	• WELDMENT, BOTTOM DOOR HINGE
5	104000	1	• WASHER, LOCK 0.25
6	103999	4	• WASHER, LOCK 0.375
7	191686	2	• WASHER, FLAT 0.187 TYPE A, W SER
8	103472	1	• WASHER FLAT 0.375
9	126642	2	• NUT, LOCK 10-24 GR5 - NYL
10	191689	1	• BALL STUD
11	191691	1	• GAS SPRING, 20 PSI X 17.2" EXT STROKE
12	933627	1	• BOLT, HXHD M6 X 1 X 25MM GR8.8 ZN
13	138834	2	• SCREW, RND HD MACHINE 10-24 x 0.750
14	191699	2	• PIN, 0.313X2 WITH KEEPER
15	191542	4	• MSCR, 0.375-16 NC X 0.75 BH TORX
16	191701	1	• LATCH HANDLE, DLP LH
17	158705	3	• BOLT, FHCS 0.312-18 X 1.50 GR5
18	204285	96	• SEAL BUBBLE, PSA
19	191543	2	• MSCR, 0.312-18 NC X 1.25 TH TORX
20	191573	1	• MSCR, 0.312-18 NC X 1.25 TH TORX
21	191705	3	• WASHER, FENDER, 0.344 ID X 1.25
22	106049	2	• BOLT, CARRIAGE BOLT 0.313-18 x 1.25 GRD 5
23	191574	9	• NUT, HEX, 0.312 -18 NC FLANGED
24	191749	1	• STRAP, DOOR RESTRAINT
25	191668	1	• WINDOW, HOLD-OPEN
26	191704	1	• HANDLE, L-WINDOW STAY, 2-POS
27	191751	1	• HANDLE, OUTSIDE P/B KEY CODE 250
28	191750	2	• SPACER, SEAL GASKET
29	191921	1	• BUBBLE SEAL, 90, LOOP
30	191918	1	• BUMPER, NEOPRENE, 1" DIA
31	152246	1	• LBL, SQUEEZE TO OPEN CAB DOOR
32	224238	2	• FITTING, GREASE ZERK, M8X1 STRAIGHT
33	191512	1	• PLUG, HOLE, PLASTIC, 2.09 DIA
34	204283	4	• SPACER, NYLON
35	204284	2	• WASHER, FLAT, RUBBER EPDM
36	204275	1	• WINDOW, UPPER REAR DOOR
37	132565	2	• CAP, GREASE GC5
38	205375	1	• BUBBLE SEAL, DOOR
39	191946	1	• ASSEMBLY, DOOR WINDOW

4.16 Top Window

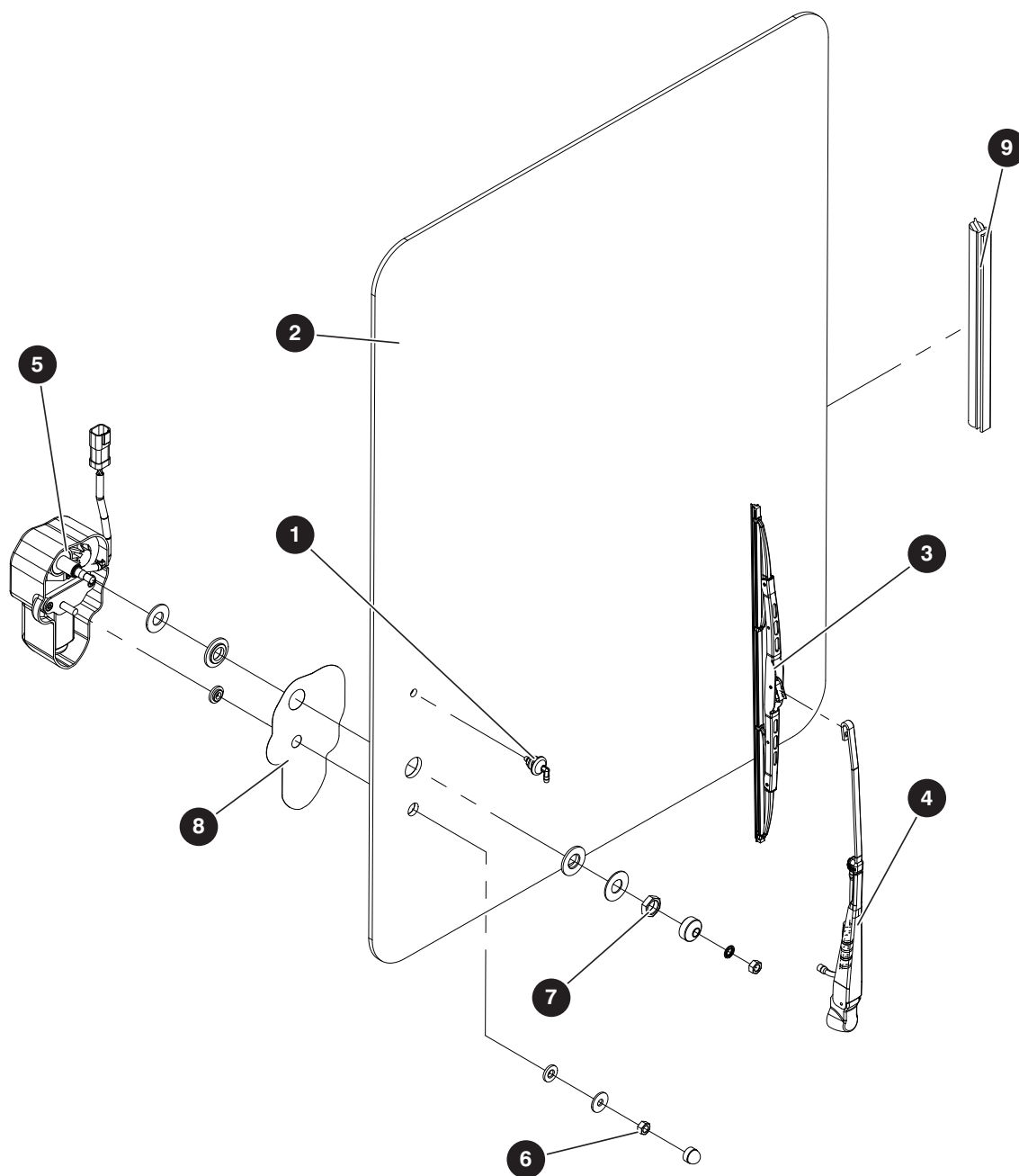


M191684AB

4.16 Top Window

Index No.	Skyjack Part No.	Qty.	Description
-	191684	1	TOP WINDOW ASSEMBLY
1	191525	1	• FITTING, Wiper hose
2	191660	1	• ARM, Wiper
3	191670	1	• BLADE, Wiper - J Hook
4	191556	1	• MOTOR, Wiper
5	191557	1	• HARDWARE, Mount (M8)
6	191558	1	• HARDWARE, Mount (M16)
7	191559	1	• STICKER, Window - wiper
8	191678	1	• SEAL, Bubble
9	191930	1	• WINDOW, Top

4.17 Front Window

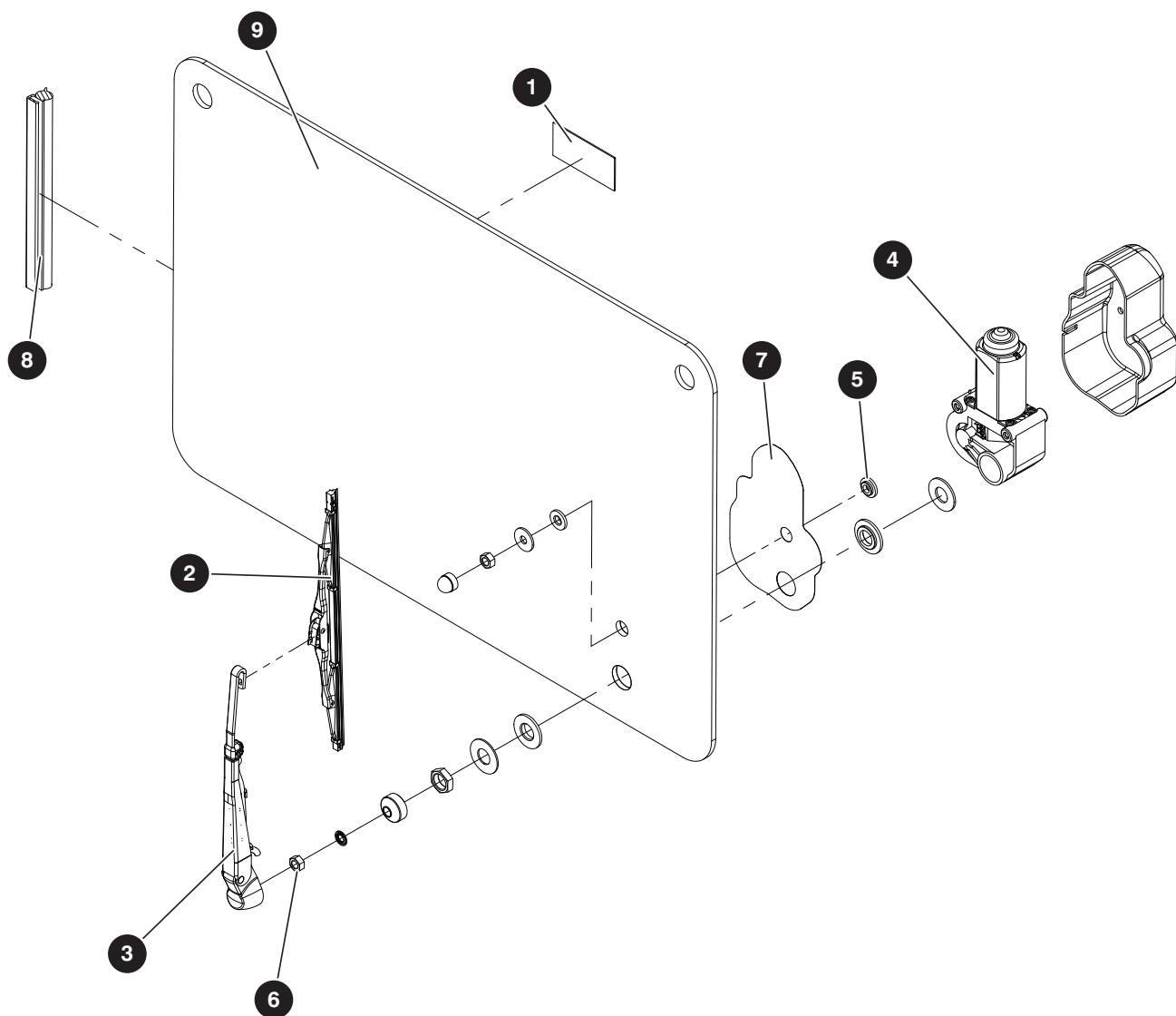


M191683AB

4.17 Front Window

Index No.	Skyjack Part No.	Qty.	Description
-	191683	1	FRONT DOOR ASSEMBLY
1	191525	1	• FITTING, Wiper hose
2	191659	1	• WINDOW, Front
3	191670	1	• BLADE, Wiper - J Hook
4	191671	1	• ARM, Wiper
5	191672	1	• MOTOR, Wiper - front
6	191557	1	• HARDWARE, Mount (M8)
7	191558	1	• HARDWARE, Mount (M16)
8	191559	1	• STICKER, Window - wiper
9	191679	1	• SEAL, Bubble

4.18 Rear Window

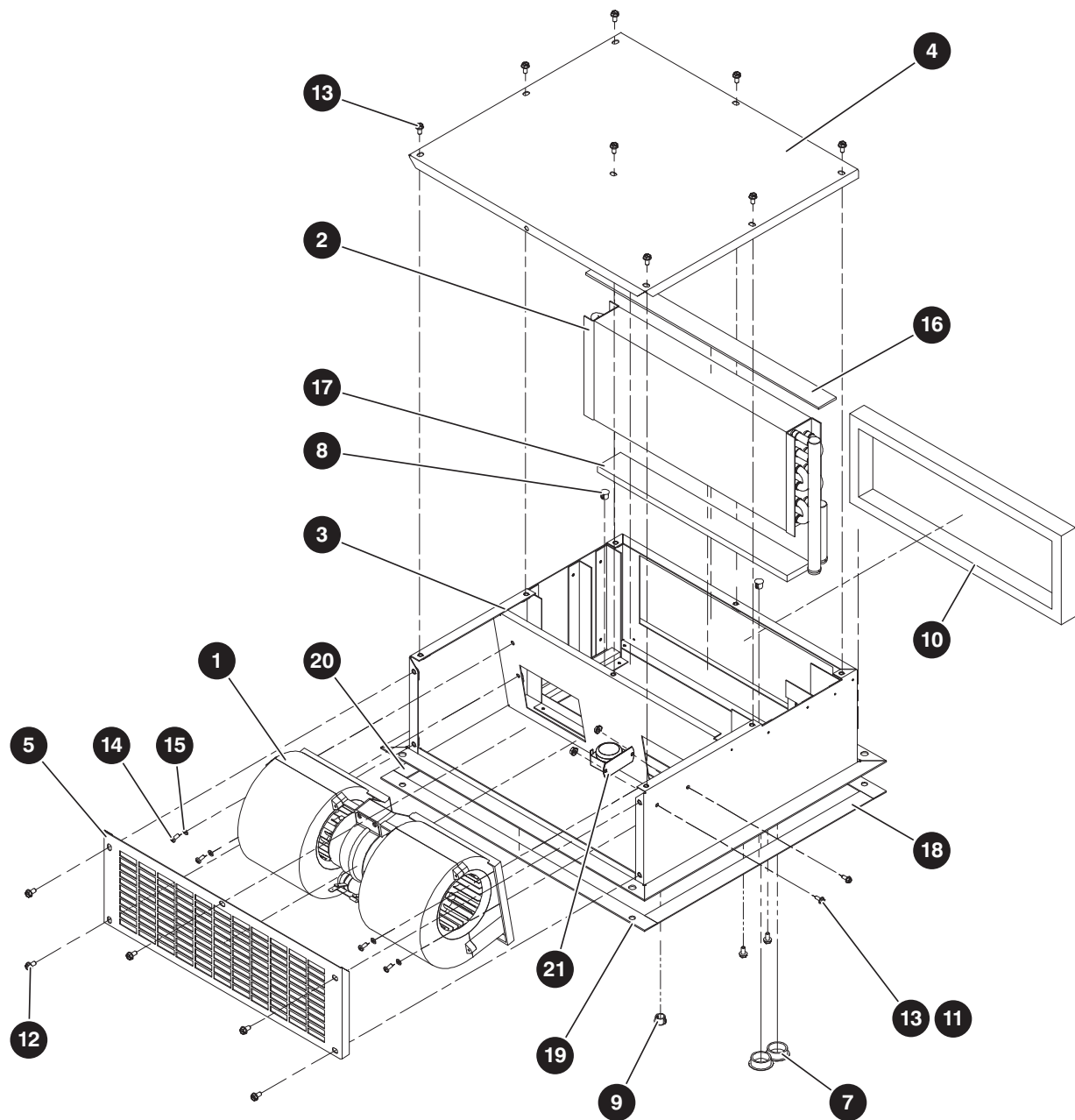


M191590AB

4.18 Rear Window

Index No.	Skyjack Part No.	Qty.	Description
-	191590	1	REAR WINDOW ASSEMBLY
1	191553	1	• DECAL, Emergency exit
2	191554	1	• BLADE, Wiper
3	191555	1	• ARM, Wiper
4	191556	1	• MOTOR, Wiper
5	191557	1	• HARDWARE, Mount (M8)
6	191558	1	• HARDWARE, Mount (M16)
7	191559	1	• STICKER, Window - wiper
8	191566	1	• SEAL, Bubble
9	191929	1	• WINDOW, Rear

4.19 Heater Unit Components

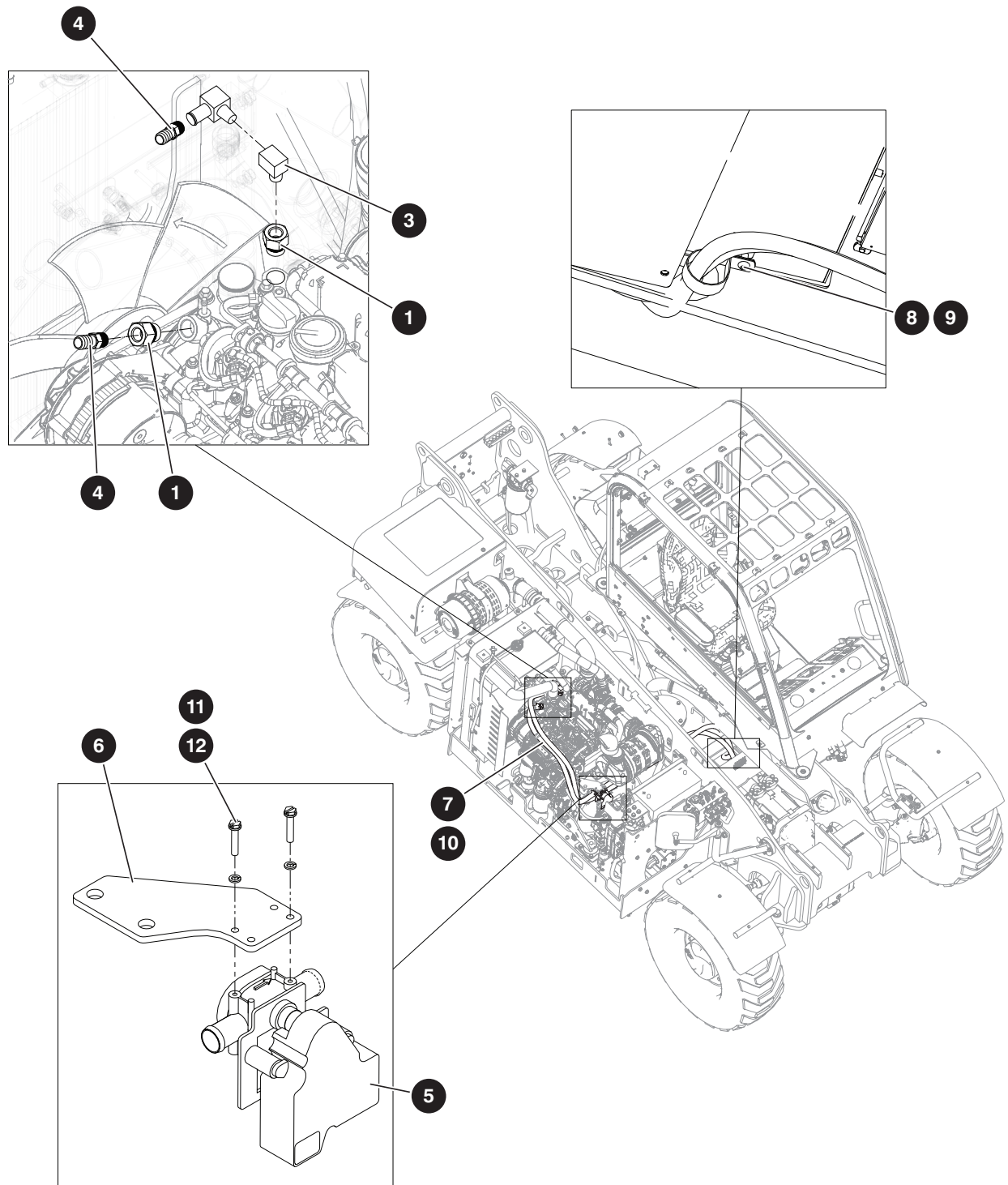


M922749

4.19 Heater Unit Components

Index No.	Skyjack Part No.	Qty.	Description
-	922749	1	HEATER UNIT
1	197011	1	• BLOWER 12V
2	197012	1	• HEATER COIL
3	197013	1	• CASING
4	197014	1	• COVER
5	197015	1	• FRONT COVER
6	197016	1	• WIRING HS.(Not shown)
7	197017	2	• PLUG ,Snap-in hole 1"
8	197018	2	• PLUG, Hole 3/8"
9	197019	1	• PLUG, Hole 1/2"
10	197020	1	• CC FOAM 5/8"x1"; L=970
11	197021	2	• NUT, Lock #8-32
12	197022	15	• SCREW #10-32 x 3/8"
13	197023	2	• SCREW #8-32 x 3/8"
14	197024	4	• SCREW #8-32 x 3/8"
15	197025	4	• WASHER, Lock #8
16	197026	1	• FOAM 1/4"x1 1/4"; 415
17	197027	1	• FOAM 3/8"x1 5/8"; 338
18	197028	2	• FOAM 1/16x1";383.5 mm
19	197028	2	• FOAM 1/16"x1"; 470 mm
20	197029	1	• FOAM 3/16x1/2";390 mm
21	266259	1	THERMOSTAT, Air Conditioning

4.20 Heater Lines



M206681AF

4.20 Heater Lines

Index No.	Skyjack Part No.	Qty.	Description
-	206681	1	HEATER LINES
1	191772	2	ADAPTER M22 x1-1/2" to 3/8" NPT with o-ring
2	102891	4	TIE-WRAP, 7-1/4" black
3	413158	2	FITTING, Elbow, 90° 3/8" brass
4	191771	2	FITTING, Hose 3/8" NPT, 5/8" hose
5	922724	1	VALVE, Heater, motorized
6	206984	1	PLATE, Heater valve mount
7	407024	237"	HOSE, 5/8" HEATER
8	143987	1	CLAMP - Loop #40 (Not shown)
9	170182	1	BOLT, Button head cap 3/8"-16 x 3/4" (Not shown)
10	163521	6	CLAMP, Hose 5/8"
11	112249	2	WASHER, Lock #8
12	224400	2	SCREW, Hex head tapping, 8-18 x 1/2" zinc plated
13	168707	1	CLAMP, Loop cushioned x 1 DIA (#16)

Section 5 – Electrical

5.1 *Glow Plug Harness*

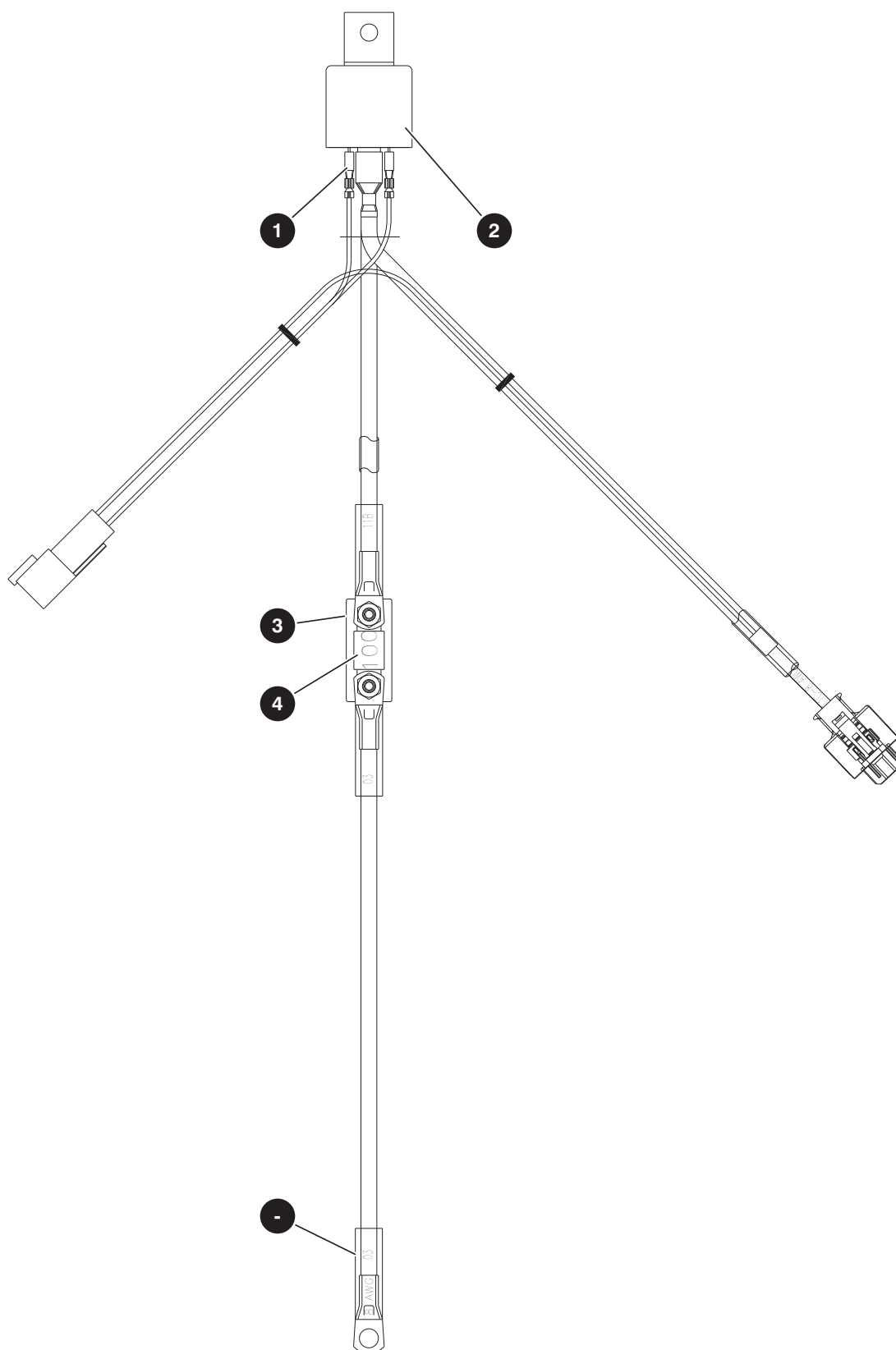
5.2 *Console Harness (S/N
87 500 732 and below)*

5.4 *Engine Harness
(S/N 87 501 291 and
below)*

5.6 *Battery Cables*

5.7 *A/C Option Harness*

5.1 Glow Plug Harness



M206143AD

5.1 Glow Plug Harness

Index No.	Skyjack Part No.	Qty.	Description
-	206143	1	GLOW PLUG HARNESS
1	206099	1	• HARNESS, Glow plug
2	165029	1	• RELAY, 150 A, 12V
3	165030	1	• FUSE HOLDER, IN LINE MIDI
4	165031	1	• FUSE, 100 A, Bolt down
5	206144	1	• WIRE ASSEMBLY, Glow plug

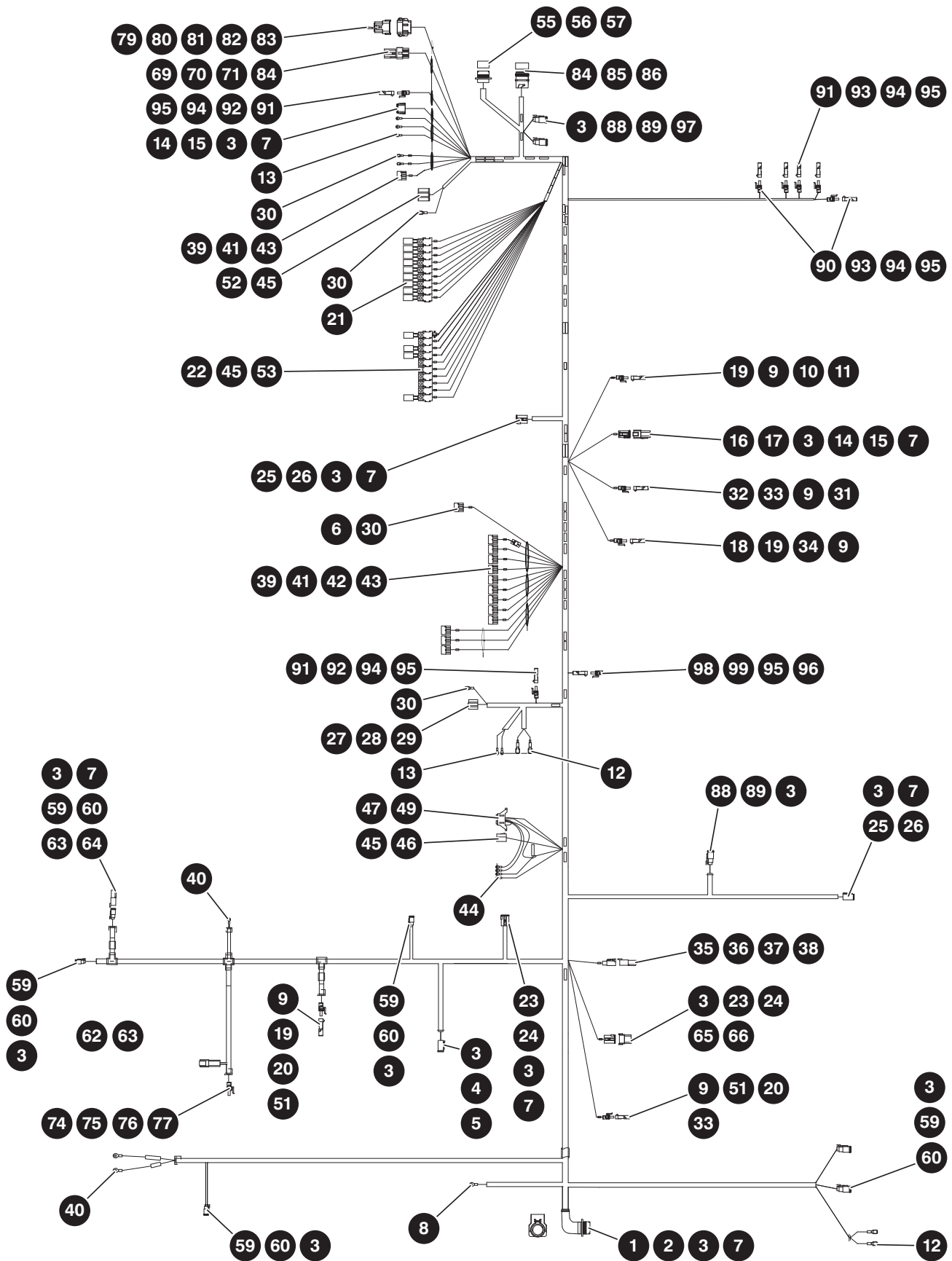
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5.2 Console Harness (S/N 87 500 732 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	206101	1	CONSOLE HARNESS - <i>For serial numbers 87 500 732 and below.</i>
1	156190	1	• CONNECTOR ASSEMBLY 34F, HD34
2	156196	1	• STRAIN RELIEF, 90 DEG.
3	117591	86	• CONNECTOR -CONTACT SOCKET (16-18), SOLID
4	117579	1	• CONNECTOR PLUG 4F, DT
5	117581	1	• CONNECTOR PLUG 4 -PIN WEDGE, SOCKET
6	148973	1	• LIGHT INDICATOR 12V
7	117594	27	• CONNECTOR SEALING PLUG
8	156222	1	• TERMINAL, M10 RING (5.0 mm ²)
9	156104	15	• PLUG CAVITY 1W, 280 M/P & W/P
10	156106	1	• CONNECTOR 1M, W/P
11	156108	1	• CONNECTOR 1F, W/P
12	105359	6	• TERMINAL, FEMALE DISC. (14-16 GA) INSULATED BLUE
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	1	• CONNECTOR RECEPTACLE 12-PIN
17	117588	1	• CONNECTOR RECEPTACLE 12-PIN WEDGE
18	156109	1	• CONNECTOR 4F, W/P
19	156137	5	• TERMINAL FEMALE SEALED (2.0-1.0 mm ²), W/P
20	124036	2	• ELECTRIC GOVERNOR CONNECTOR ASSEMBLY 2F, W/P
21	931298	12	• RELAY, MINI ISO
22	156166	19	• SOCKET, RELAY
23	117583	2	• CONNECTOR PLUG 8F, DT. ASSEMBLY
24	117585	2	• CONNECTOR PLUG 8-PIN WEDGE
25	156180	2	• CONNECTOR ASSEMBLY 6F, DT
26	156194	2	• WEDGE, PLUG
27	156101	1	• CONNECTOR 6F, 56 SERIES
28	156135	3	• TERMINAL FEMALE (2.0-1.0 mm ²), 56 SERIES
29	156136	2	• TERMINAL FEMALE (2x 2.0-1.0 mm ²), 56 SERIES
30	114595	4	• WIRE TERMINAL, FEMALE (22-18 GA) PINK
31	156113	1	• CONNECTOR 3M, W/P
32	156114	1	• CONNECTOR 3F, W/P
33	156138	2	• TERMINAL FEMALE SEALED (3.0-2.0 mm ²), W/P
34	156107	1	• CONNECTOR 4M,W/P
35	156157	1	• SOCKET (8-10 AWG), SOLID
36	156182	1	• CONNECTOR ASSEMBLY 1F, DTHD
37	156181	1	• CONNECTOR ASSEMBLY 1M, DTHD
38	156168	1	• PIN (8-10 AWG), SOLID
39	156162	13	• SOCKET, 10-WAY
40	156259	3	• TERMINAL, M10 RING(3.0-2.0 MM ^ 2)
41	164551	66	• CAVITY PLUG 5.4MM , MCP
42	156173	6	• TERMINAL FEMALE (2.5-1.5 mm ²), JPT
43	156174	58	• TERMINAL FEMALE (1.0-0.5 mm ²), JPT
44	156215	4	• TERMINAL, M5 RING (5.0 mm ²)
45	126808	29	• TERMINAL 14-18 FEMALE (2.0-0.8 mm ²),
46	156160	1	• CONNECTOR 2F, AMP
47	156102	25	• TERMINAL FEMALE (5.0-3.0 mm ²), PACK-CON
48	156103	5	• FUSEBLOCK
49	156110	21	• TERMINAL FEMALE (2.0-1.0 mm ²), PACK-CON

5.2 Console Harness (S/N 87 500 732 and below)

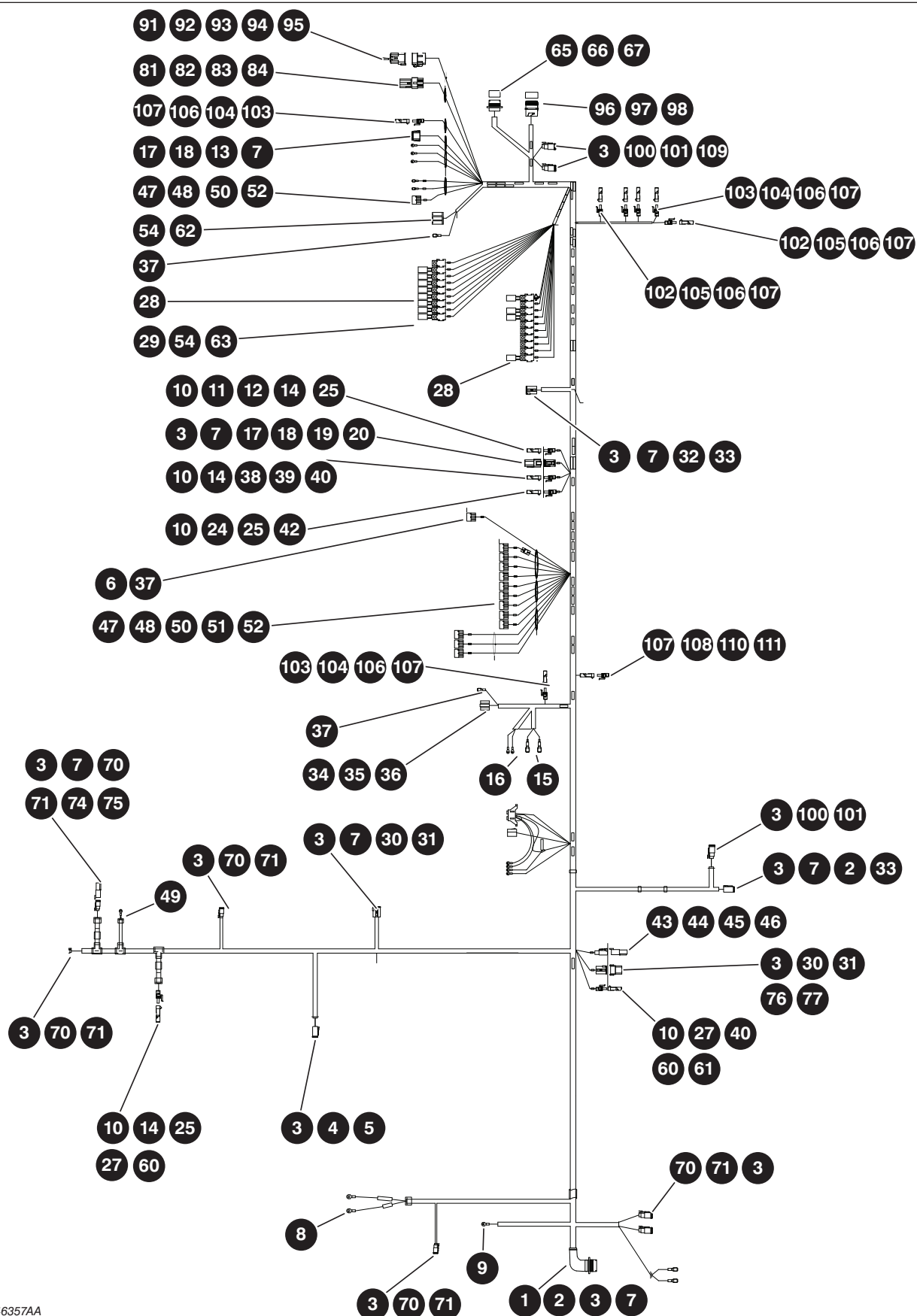


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5.2 Console Harness (S/N 87 500 732 and below)

Index No.	Skyjack Part No.	Qty.	Description
50	156202	4	• FUSE, ATO, 5A
51	156105	3	• CONNECTOR 2M, W/P
52	156165	1	• SOCKET, RELAY
53	199144	43	• TERMINAL, 0.187 SRS FASTIN-ON RCPT PH-BR
54	156203	4	• FUSE, ATO, 10A
55	164860	1	• CONNECTOR ASSEMBLY, 12F CANNON TRIDENT
56	164861	1	• CABLE CLAMP, CANNON TRIDENT
57	164862	4	• TERMINAL FEMALE, 18-16GA GOLD CANNON TRIDENT
58	156204	1	• FUSE, ATO, 15A
59	117597	7	• CONNECTOR ASSEMBLY 2F, DT
60	117599	7	• CONNECTOR PLUG 2 PIN WEDGE
61	921734	1	• POWER RELAY W/DIODES
62	156155	4	• PIN(16-20 AWG), SOLID
63	117596	3	• CONNECTOR RECEPTICAL 2M,DT
64	117598	3	• CONNECTOR RECEPTICAL 2PIN WEDGE
65	117584	1	• CONNECTOR RECEPTICAL 8 PIN WEDGE
66	117582	1	• CONNECTOR RECEPTICAL 8 PIN , DT
67	117593	2	• CONNECTOR CONTACT SOCKET (14-16AWG)
68	121504	1	• FUSE, 20A AMP
69	206489	1	• CONNECTOR, PLUG - 4 POLE MLX
70	209315	3	• MALE TERMINAL 0.062 PIN
71	206490	1	• CONNECTOR, RECEPTICLE - 4 POLE MLX
72	209316	2	• FEMALE TERMINAL 0.062 PIN
73	206850	1	• FUSE, AUTOMOTIVE, 40A 32VDC BLADE
74	206741	1	• CONNECTOR, AUTO., 2 PIN FEMALE 30 AMPS
75	206745	1	• LOCK, 280 SERIES METRI-PACK CONNECTOR
76	206744	2	• RECEPTACLE, TIN CBL RANGE 3.80 - 2.45 MM
77	206746	2	• SEAL, CABLE, METRI-PACK
78	129258	1	• DIODE 1N007
79	220611	1	• CONNECTOR, DEUTSCH DTM06-12S
80	220612	1	• CONNECTOR, DEUTSCH DTM06 WEDGE
81	220613	8	• CONNECTOR, CONTACT SOCKET NO.20
82	156152	4	• SEALING PLUG, DEC SERIES
83	221144	1	• HARNESS, TRACK UNIT BYPASS
84	105360	1	• TERMINAL, MALE 14-16GA X 1/4 FULL INSL.
85	216772	1	• CONNECTOR, RECEPTACLE - 1939P
86	216773	1	• PROTECTIVE CAP, RECEPTACLE - HD10
87	117592	6	• CONNECTOR CONTACT PIN 14-16 (MALE)
88	198639	1	• CAN CONNECTOR 3 PIN-PLUG
89	198640	1	• WEDGE LOCK
90	206920	2	• DIODE ASSEMBLY, 3 PIN
91	206921	5	• DIODE ASSEMBLY, 2 PIN
92	206922	5	• CONNECTOR, FEMALE, 2 PIN WEATHER PACK
93	206923	2	• CONNECTOR, FEMALE, 3 PIN WEATHER PACK
94	206924	16	• TERMINAL, FEMALE 14-16AWG, WEATHER PACK
95	206925	18	• SEAL, CABLE, WEATHER PACK
96	224185	1	• RESISTOR ASSEMBLY, 2 PIN
97	206927	2	• RESISTOR, TERMINATING
98	932899	1	• CONNECTOR
99	932897	2	• MALE PIN

5.3 Console Harness (S/N 87 500 733 and above)

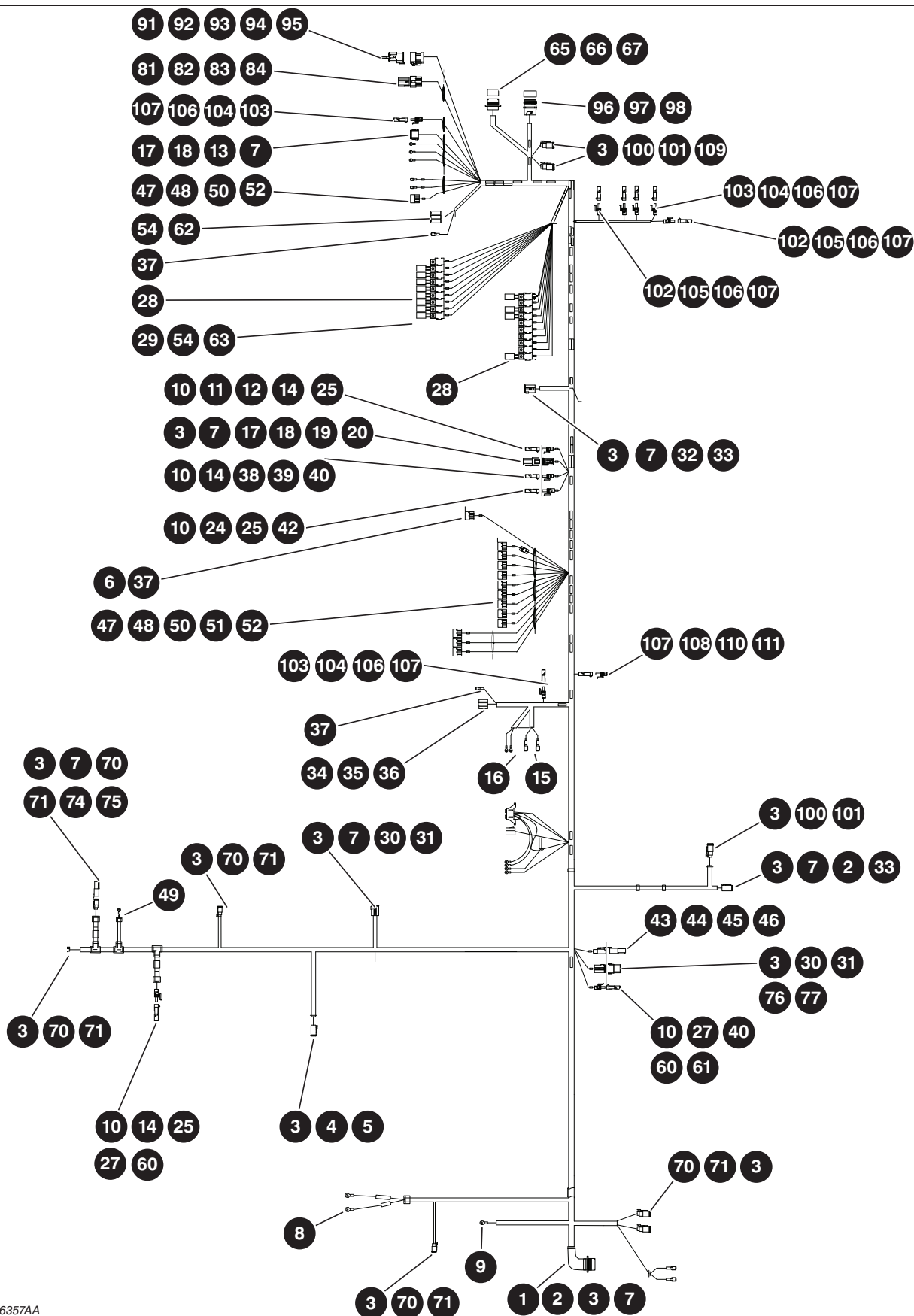


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5.3 Console Harness (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	246357	1	CONSOLE HARNESS - <i>For serial numbers 87 500 733 and above.</i>
1	156190	1	• CONNECTOR ASSEMBLY 34F, HD34
2	156196	1	• STRAIN RELIEF, 90 DEG.
3	117591	86	• CONNECTOR -CONTACT SOCKET (16-18), SOLID
4	117579	1	• CONNECTOR PLUG 4F, DT
5	117581	1	• CONNECTOR PLUG 4 -PIN WEDGE, SOCKET
6	148973	1	• LIGHT INDICATOR 12V
7	117594	27	• CONNECTOR SEALING PLUG
8	190376	2	• WIRE - grey
9	156222	1	• TERMINAL, M10 RING (5.0 mm ²)
10	156104	15	• PLUG CAVITY 1W, 280 M/P & W/P
11	156106	1	• CONNECTOR 1M, W/P
12	156108	1	• CONNECTOR 1F, W/P
14	156147	2	• WIRE SEAL GREY (3.5-2.8mm), 280 M/P
15	105359	6	• TERMINAL, FEMALE DISC. (14-16 GA) INSULATED BLUE
16	102936	7	• TERMINAL, 14-16AWG, #10 RING BLUE
17	117587	2	• CONNECTOR - PLUG 12-PIN
18	117589	2	• CONNECTOR - PLUG 12-PIN WEDGE
19	117586	1	• CONNECTOR RECEPTACLE 12-PIN
20	117588	1	• CONNECTOR RECEPTACLE 12-PIN WEDGE
24	156109	1	• CONNECTOR 4F, W/P
25	156137	5	• TERMINAL FEMALE SEALED (2.0-1.0 mm ²), W/P
27	124036	2	• ELECTRIC GOVERNOR CONNECTOR ASSEMBLY 2F, W/P
28	233301	11	• RELAY, Micro
29	156166	19	• SOCKET, Relay
30	117583	2	• CONNECTOR PLUG 8F, DT. ASSEMBLY
31	117585	2	• CONNECTOR PLUG 8-PIN WEDGE
32	156180	2	• CONNECTOR ASSEMBLY 6F, DT
33	156194	2	• WEDGE, PLUG
34	156101	1	• CONNECTOR 6F, 56 SERIES
35	156135	3	• TERMINAL FEMALE (2.0-1.0 mm ²), 56 SERIES
36	156136	2	• TERMINAL FEMALE (2x 2.0-1.0 mm ²), 56 SERIES
37	114595	4	• WIRE TERMINAL, FEMALE (22-18 GA) PINK
38	156113	1	• CONNECTOR 3M, W/P
39	156114	1	• CONNECTOR 3F, W/P
40	156138	2	• TERMINAL FEMALE SEALED (3.0-2.0 mm ²), W/P
42	156107	1	• CONNECTOR 4M,W/P
43	156157	1	• SOCKET (8-10 AWG), SOLID
44	156182	1	• CONNECTOR ASSEMBLY 1F, DTHD
45	156181	1	• CONNECTOR ASSEMBLY 1M, DTHD
46	156168	1	• PIN (8-10 AWG), SOLID
47	156162	13	• SOCKET, 10-WAY
48	156170	64	• SEAL, Wire - light blue
49	156259	3	• TERMINAL, M10 RING(3.0-2.0 MM ^ 2)
50	164551	66	• CAVITY PLUG 5.4MM , MCP
51	156173	6	• TERMINAL FEMALE (2.5-1.5 mm ²), JPT
52	156174	58	• TERMINAL FEMALE (1.0-0.5 mm ²), JPT
53	156215	4	• TERMINAL, M5 RING (5.0 mm ²)
54	126808	29	• TERMINAL 14-18 FEMALE (2.0-0.8 mm ²),

5.3 Console Harness (S/N 87 500 733 and above)

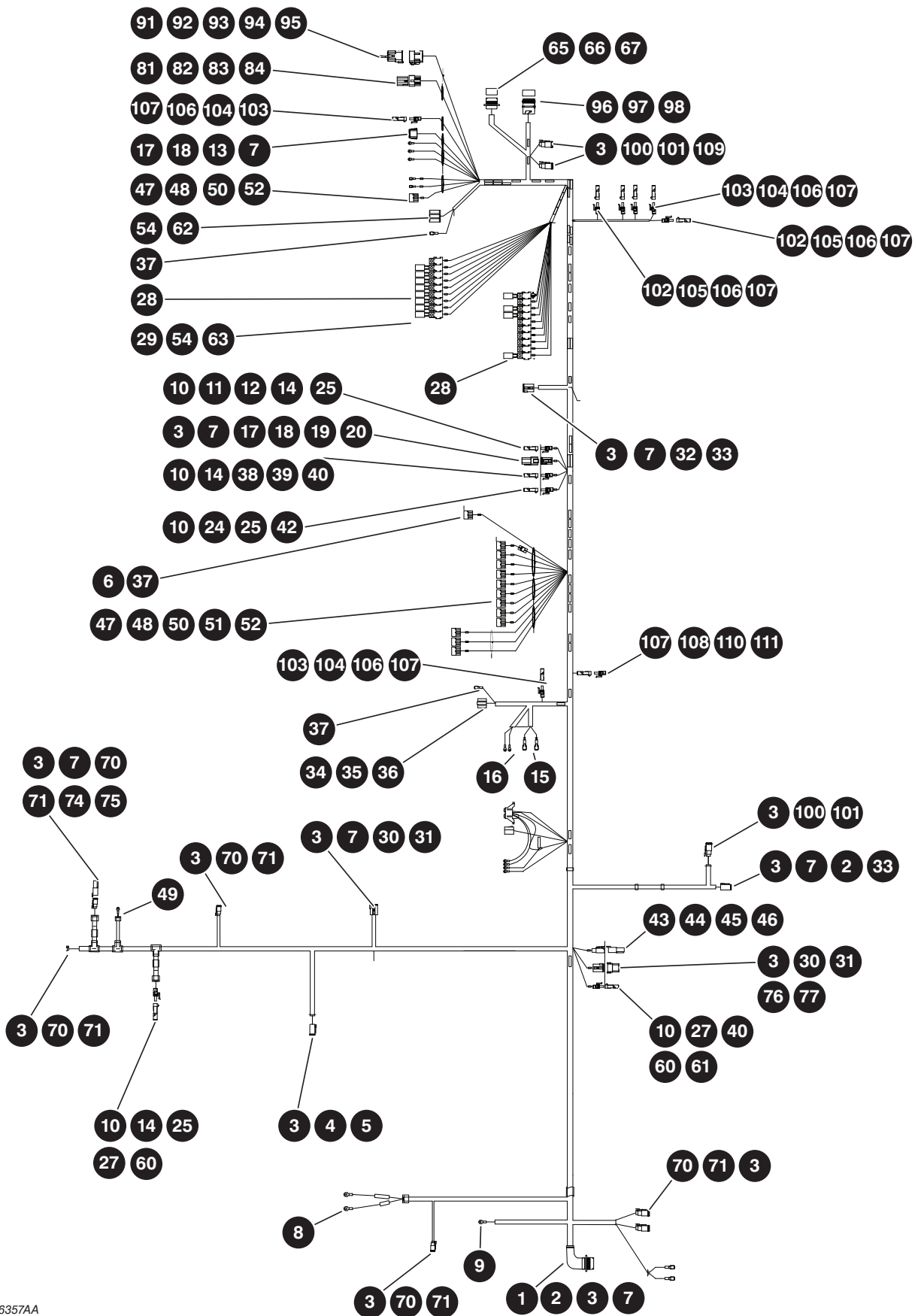


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5.3 Console Harness (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
55	156160	1	• CONNECTOR 2F, AMP
56	156102	25	• TERMINAL FEMALE (5.0-3.0 mm2), PACK-CON
57	156103	5	• FUSEBLOCK
58	156110	21	• FUSEBLOCK
59	156202	4	• FUSE, ATO, 5A
60	156105	3	• CONNECTOR 2M, W/P
61	156147	6	• SEAL, Wire - grey
62	156165	1	• SOCKET, RELAY
63	199144	43	• TERMINAL, 0.187 SRS FASTIN-ON RCPT PH-BR
64	156203	4	• FUSE, ATO, 10A
65	164860	1	• CONNECTOR ASSEMBLY, 12F CANNON TRIDENT
66	164861	1	• CABLE CLAMP, CANNON TRIDENT
67	164862	4	• TERMINAL FEMALE, 18-16GA GOLD CANNON TRIDENT
69	156204	1	• FUSE, ATO, 15A
70	117597	7	• CONNECTOR ASSEMBLY 2F, DT
71	117599	7	• CONNECTOR PLUG 2 PIN WEDGE
72	921734	1	• POWER RELAY W/DIODES
73	156155	4	• PIN(16-20 AWG), SOLID
74	117596	3	• CONNECTOR RECEPTICAL 2M,DT
75	117598	3	• CONNECTOR RECEPTICAL 2PIN WEDGE
76	117584	1	• CONNECTOR RECEPTICAL 8 PIN WEDGE
77	117582	1	• CONNECTOR RECEPTICAL 8 PIN , DT
79	117593	2	• CONNECTOR CONTACT SOCKET (14-16AWG)
80	121504	1	• FUSE, 20A AMP
81	206489	1	• CONNECTOR, PLUG - 4 POLE MLX
82	209315	3	• MALE TERMINAL 0.062 PIN
83	206490	1	• CONNECTOR, RECEPTICLE - 4 POLE MLX
84	209316	2	• FEMALE TERMINAL 0.062 PIN
88	206744	1	• RECEPTACLE, TIN CBL RANGE 3.80 - 2.45 MM
89	206746	1	• SEAL, CABLE, METRI-PACK
90	129258	1	• DIODE 1N007
91	220611	1	• CONNECTOR, DEUTSCH DTM06-12S
92	220612	1	• CONNECTOR, DEUTSCH DTM06 WEDGE
93	220613	8	• CONNECTOR, CONTACT SOCKET NO.20
94	156152	4	• SEALING PLUG, DEC SERIES
95	221144	1	• HARNESS, TRACK UNIT BYPASS
96	105360	1	• TERMINAL, MALE 14-16GA X 1/4 FULL INSL.
97	216772	1	• CONNECTOR, RECEPTACLE - 1939P
98	216773	1	• PROTECTIVE CAP, RECEPTACLE - HD10
99	117592	6	• CONNECTOR CONTACT PIN 14-16 (MALE)
100	198639	1	• CAN CONNECTOR 3 PIN-PLUG
101	198640	1	• WEDGE LOCK
102	206920	2	• DIODE ASSEMBLY, 3 PIN
103	206921	5	• DIODE ASSEMBLY, 2 PIN
104	206922	5	• CONNECTOR, FEMALE, 2 PIN WEATHER PACK
105	206923	2	• CONNECTOR, FEMALE, 3 PIN WEATHER PACK
106	206924	16	• TERMINAL, FEMALE 14-16AWG, WEATHER PACK
107	206925	18	• SEAL, CABLE, WEATHER PACK
108	224185	1	• RESISTOR ASSEMBLY, 2 PIN

5.3 Console Harness (S/N 87 500 733 and above)

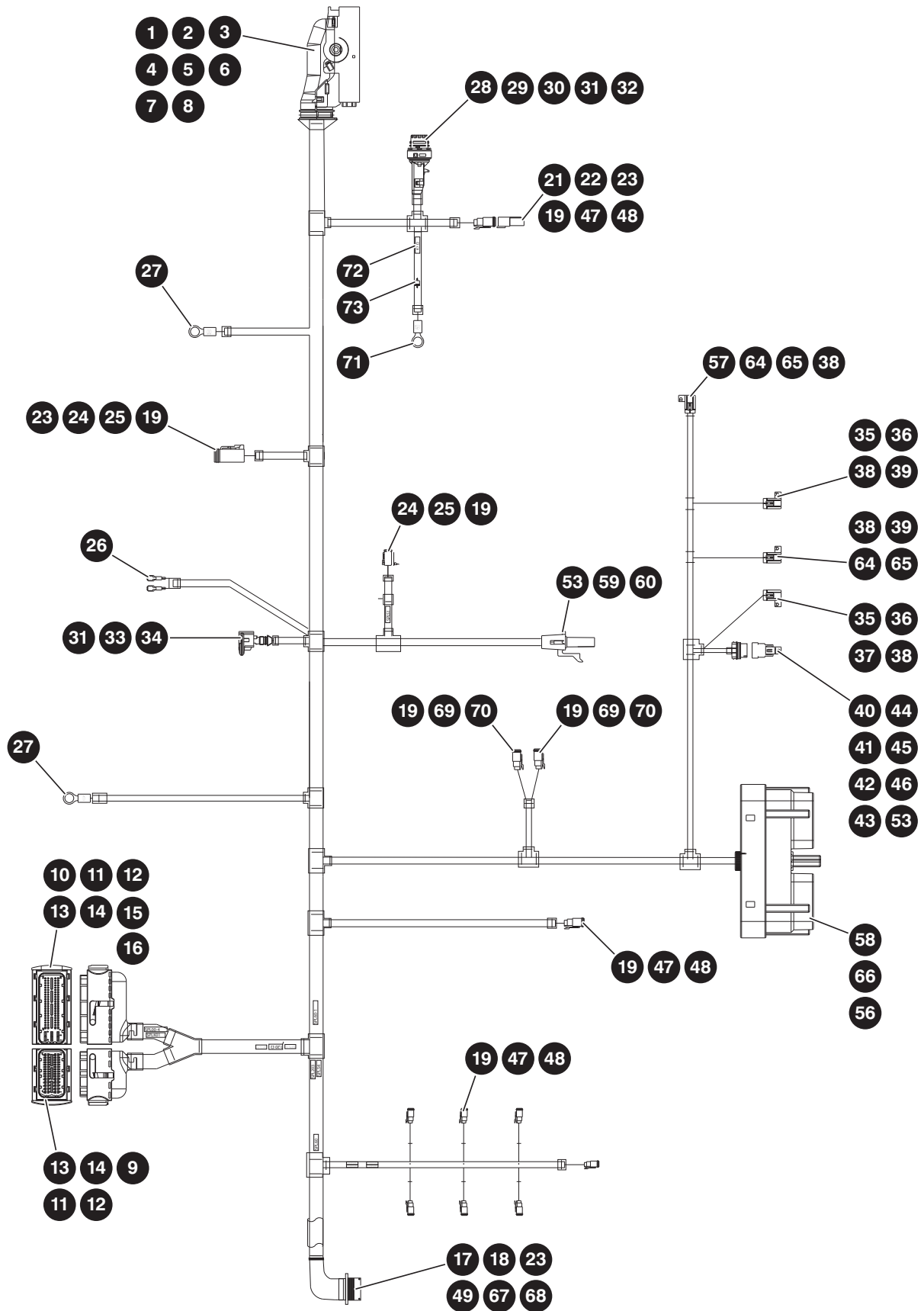


M246357AA

5.3 Console Harness (S/N 87 500 733 and above)

Index No.	Skyjack Part No.	Qty.	Description
109	206927	2	• RESISTOR, TERMINATING
110	932899	1	• CONNECTOR
111	932897		• MALE PIN

5.4 Engine Harness (S/N 87 501 291 and below)

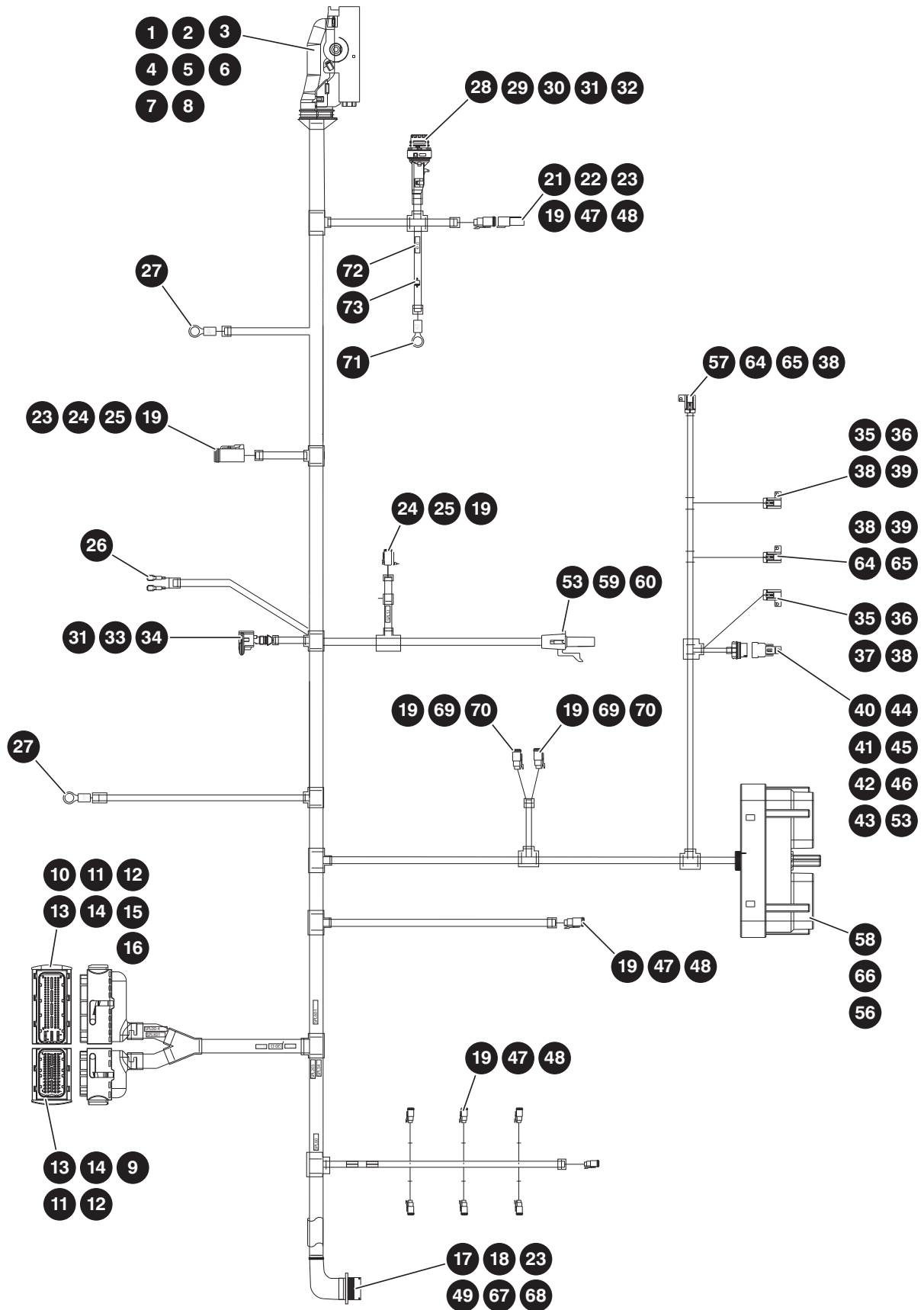


M206102A/

5.4 Engine Harness (S/N 87 501 291 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	206102	1	ENGINE HARNESS - <i>For serial numbers 87 501 291 and below</i>
1	164544	1	• CONNECTOR ASSEMBLY 62F, AMP MCP
2	164545	1	• COVER, 62 PIN CONNECTOR
3	164546	30	• TERMINAL FEMALE SEALED (1.0-0.6mm ²), MCP
4	164547	30	• WIRE SEAL GREY (1.4-1.9mm) , MCP
5	164548	26	• 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	• CONNECTOR ASSEMBLY 60F, AMP MQS
10	164567	1	• CONNECTOR ASSEMBLY 94F, AMP MQS + MCP
11	164561	41	• TERMINAL FEMALE (0.75-0.5mm ²), MQS
12	164562	14	• TERMINAL FEMALE (1.5-0.75mm ²), MQS
13	164563	79	• CAVITY PLUG, MQS
14	164564	14	• CAVITY PLUS, MQS
15	164572	6	• TERMINAL FEMALE (2.5-1.0mm ²), MCP2.8
16	164573	6	• TERMINAL FEMALE (2.7-3.0mm ²), JPT/MCP
17	156189	1	• CONNECTOR ASSEMBLY 34M, HD34
18	156196	1	• STRAIN RELIEF, 90 DEG
19	117591	34	• CONNECTOR CONTACT SOCKET 16-18
20	163021	2	• RESISTOR
21	117596	1	• CONNECTOR, RECEPTACLE 2-PIN
22	117598	2	• WEDGE, PIN W2P
23	117594	6	• CONNECTOR SEALING PLUG
24	117579	2	• CONNECTOR PLUG 4-PIN
25	117581	2	• CONNECTOR PLUG 4-PIN WEDGE
26	105359	2	• TERMINAL, FEMALE DISCONNECT FULLY NYLON-INS
27	156222	2	• TERMINAL, M10 RING (5.0mm 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.
31	164578	5	• WIRE SEAL (1.2-2.1mm), LT. BLUE
32	156172	1	• CAVITY PLUG, JPT
33	156163	1	• CONNECTOR ASSEMBLY 2F, AMP
34	156174	2	• TERMINAL FEMALE 91.0-0.5mm ²), JPT
35	156127	2	• CONNECTOR 2F, 630 M/P FUSE HOLDER
36	156118	4	• TERMINAL FEMALE (5.0-3.0mm ²), 630 M/P PULL-TO-SEAT
37	156164	1	• FUSE, ATC, 30A
38	156117	4	• COVER, INLINE AUTOFUSE
39	121504	2	• FUSE, ATC, 20A
40	156104	1	• CAVITY PLUG, 280 M/P & W/P
41	156132	1	• CONNECTOR 5F, 280 M/P
42	156133	1	• TPA, 5W 280 M/P
43	156134	2	• TERMINAL FEMALE SEALED (5.0-3.0mm ²), 280 M/P
44	156142	2	• TERMINAL FEMALE SEALED (2.0-1.0mm ²), 280 M/P
45	156147	2	• WIRE SEAL GREY (3.5-2.8mm), 280 M/P

5.4 Engine Harness (S/N 87 501 291 and below)

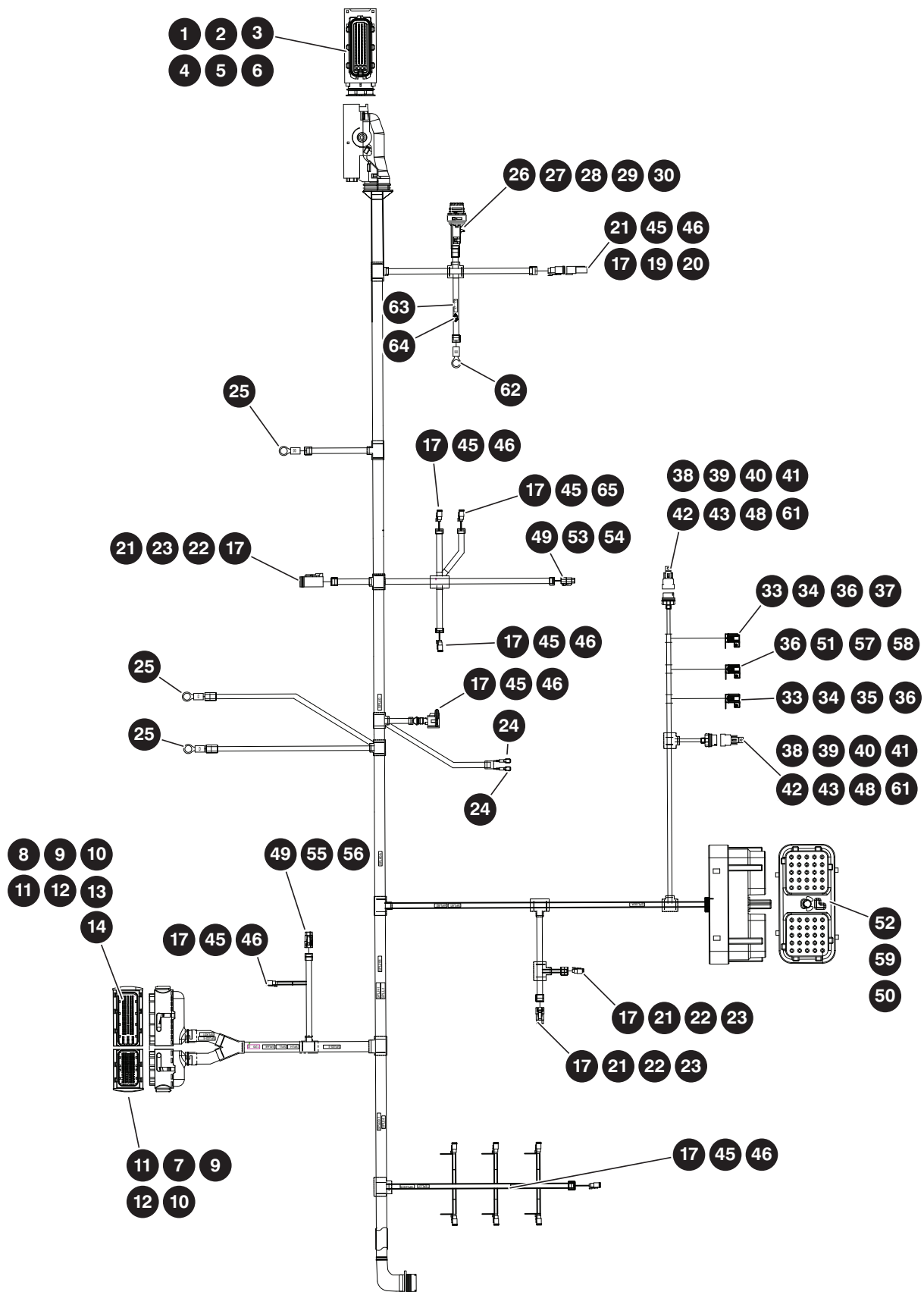


M206102A/

5.4 Engine Harness (S/N 87 501 291 and below)

Index No.	Skyjack Part No.	Qty.	Description
46	156200	1	• RELAY
47	117597	9	• CONNECTOR, PLUG 2-PIN
48	117599	11	• WEDGE, SOCKET
49	117590	25	• CONNECTOR - CONTACT PIN 16-18
50	156105	1	• CONNECTOR 2M, W/P
51	124036	2	• CONNECTOR 2F, W/P
52	156137	6	• TERMINAL FEMALE SEALED (2.0-1.0mm2), W/P
53	124369	7	• WIRE SEAL GREEN (2.9-2.0mm), 280 M/P
54	190372	1	• WIRE SEAL
55	191046	4	• PIN, (1.00-2.50mm2)
56	117594	19	• CAVITY PLUG
57	206096	1	• FUSE, ATC 3A
58	206094	1	• CONNECTOR, 40PIN PLUG-DT
59	156114	1	• CONNECTOR ,3PIN-W/P
60	156137	41	• TERMINAL FEMALE SEALED (2.0-1.0 MM2),W/P
61	206108	14	• CONNECTOR ,25 PIN-AMP
62	138832	79	• CONTACT-AMPSEAL
63	206110	14	• PLUG,AMPSEAL CAVITY
64	157850	1	• CONNECTOR 2F, 630 M/P FUSE HOLDER
65	157851	1	• TERM FEMALE 2-1.0 MM2 640 M/P PULL TO SEAT
66	156159	34	• SOCKET (16-20 AWG), FORMED
67	206845	2	• NUT, PANEL, SIZE 24 HD SERIES
68	206846	1	• WASHER, LOCK, SIZE 24 HD SERIES
69	198639	2	• CAN CONNECTOR 2 PIN - PLUG
70	198640	6	• WEDGE LOCK
71	134493	2	• TERMINAL, 1/4" RING VINYL-INS RED (22-26)
72	220147	2	• RESISTOR, 47 OHM 5 WATT
73	102921	2	• DIODE
74	235452	1	• WEDGE LOCK

5.5 Engine Harness (S/N 87 501 292 and above)



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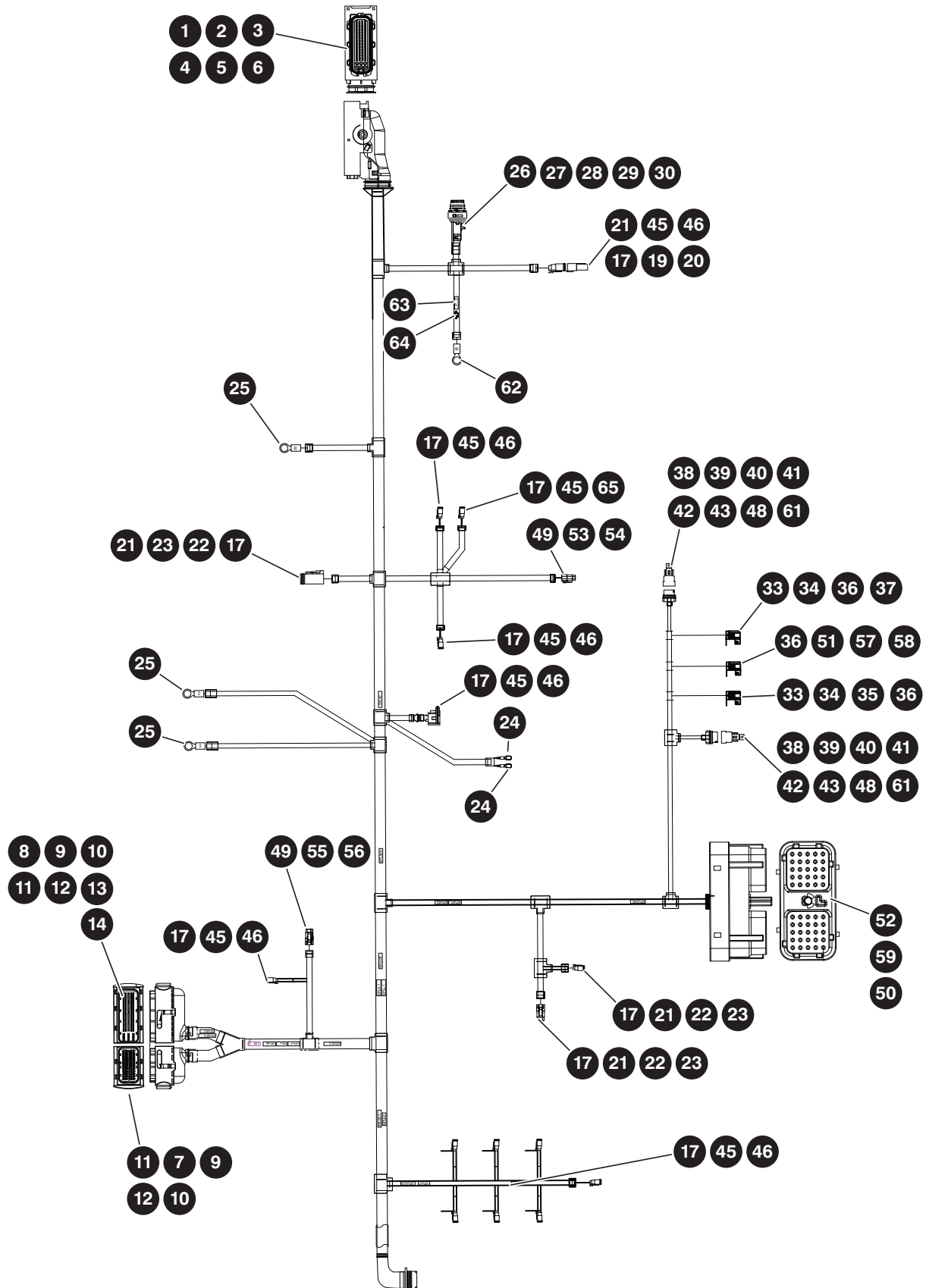
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5.5 Engine Harness (S/N 87 501 292 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	235441	1	ENGINE HARNESS - <i>For serial numbers 87 501 292 and above</i>
1	164544	1	• CONNECTOR ASSEMBLY 62F, AMP MCP
2	164545	1	• COVER, 62 PIN CONNECTOR
3	164546	36	• TERMINAL FEMALE SEALED (1.0-0.6mm ²), MCP
4	191625	36	• WIRE SEAL YELLOW (1.2.4mm) , MCP
5	164548	20	• CAVITY PLUG 3.6mm, MCP
6	164551	6	• CAVITY PLUG 5.4mm, MCP
7	164556	1	• CONNECTOR ASSEMBLY 60F, AMP MQS
8	164567	1	• CONNECTOR ASSEMBLY 94F, AMP MQS + MCP
9	164561	43	• TERMINAL FEMALE (0.75-0.5mm ²), MQS
10	164562	16	• TERMINAL FEMALE (1.5-0.75mm ²), MQS
11	164563	76	• CAVITY PLUG, MQS
12	164564	13	• CAVITY PLUS, MQS
13	164572	6	• TERMINAL FEMALE (2.5-1.0mm ²), MCP2.8
14	164573	6	• TERMINAL FEMALE (2.7-3.0mm ²), JPT/MCP
15	156189	1	• CONNECTOR ASSEMBLY 34M, HD34
16	156196	1	• STRAIN RELIEF, 90 DEG
17	117591	15	• CONNECTOR CONTACT SOCKET 16-18
18	163021	1	• RESISTOR
19	117596	1	• CONNECTOR, RECEPTACLE 2-PIN
20	117580	2	• CONNECTOR
21	117594	6	• CONNECTOR SEALING PLUG
22	248581	2	• CONNECTOR, Sealed (4F)
23	117581	2	• CONNECTOR PLUG 4-PIN WEDGE
24	105359	2	• TERMINAL, FEMALE DISCONNECT FULLY NYLON-INS
25	156222	2	• TERMINAL, M10 RING (5.0mm ²)
26	164579	1	• CONNECTOR 4F, 2.5MM CIRCULAR
27	164580	1	• STRAIN RELIEF, STRAIGHT
28	164581	3	• TERMINAL FEMALE (1.0-0.5mm ²), 2.5mm CIRC.
29	253095	5	• WIRE SEAL GREY (2.1 - 1.2 mm), 280 M/P
30	156172	1	• CAVITY PLUG, JPT
31	156163	1	• CONNECTOR ASSEMBLY 2F, AMP
32	156174	2	• TERMINAL FEMALE 91.0-0.5mm ²), JPT
33	156127	2	• CONNECTOR 2F, 630 M/P FUSE HOLDER
34	156118	4	• TERMINAL FEMALE (5.0-3.0mm ²), 630 M/P PULL-TO-SEAT
35	156164	1	• FUSE, ATC, 30A
36	156117	3	• COVER, INLINE AUTOFUSE
37	121504	1	• FUSE, ATC, 20A
38	156104	2	• CAVITY PLUG, 280 M/P & W/P
39	156132	2	• CONNECTOR 5F, 280 M/P
40	156133	2	• TPA, 5W 280 M/P
41	253096	2	• TERMINAL FEMALE SEALED (2.64 -1.96 mm), 280 M/P
42	156142	2	• TERMINAL FEMALE SEALED (2.0-1.0mm ²), 280 M/P
43	156147	2	• WIRE SEAL GREY (3.5-2.8mm), 280 M/P

5.5 Engine Harness



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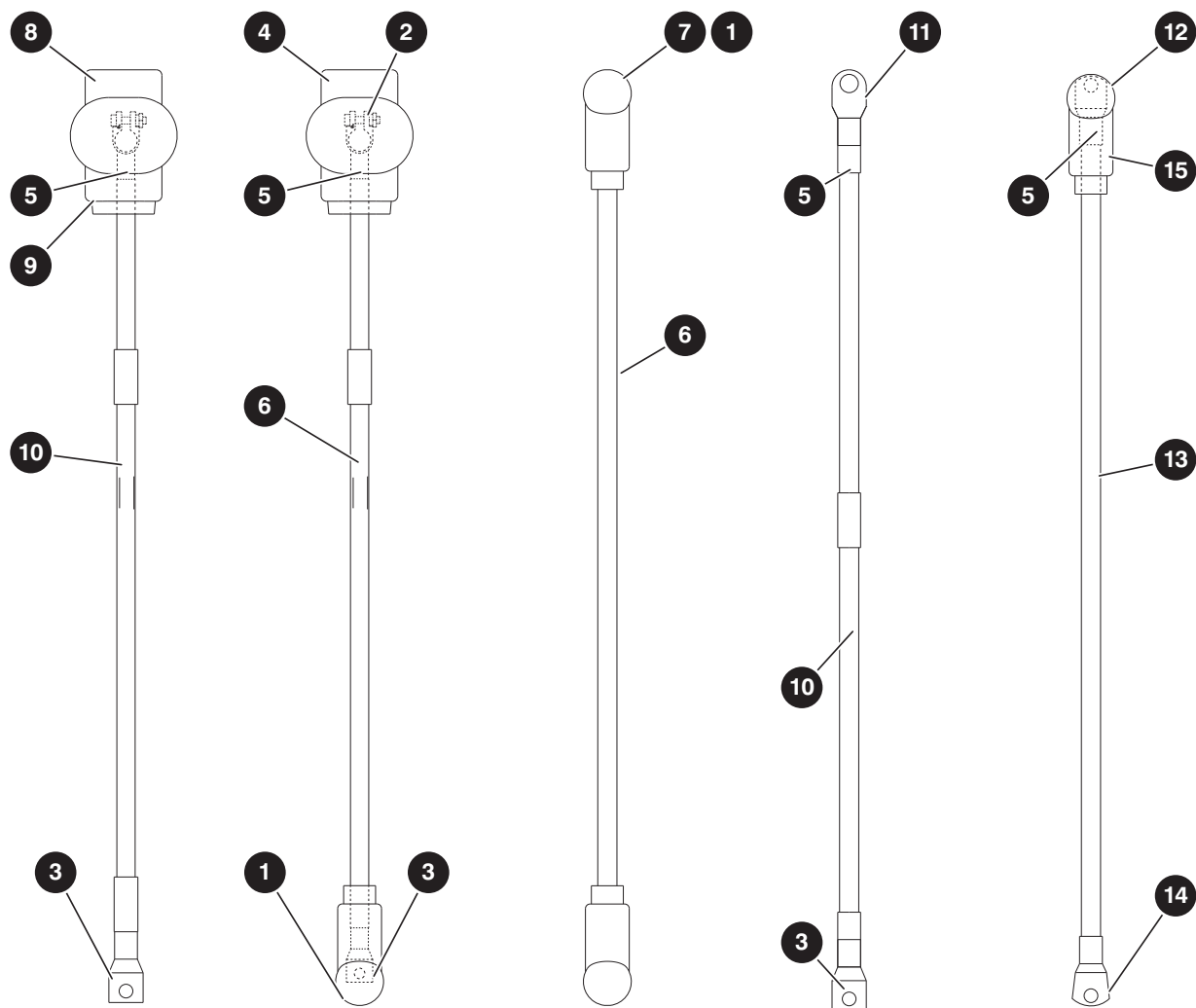
SJ519 TH

SKYJACK

5.5 Engine Harness

Index No.	Skyjack Part No.	Qty.	Description
44	156200	2	• RELAY
45	248582	12	• CONNECTOR, 2F Sealed
46	117599	11	• WEDGE, SOCKET
47	117590	25	• CONNECTOR - CONTACT PIN 16-18
48	248584	8	• WIRE SEAL (2.15-1.6 mm), 280 M/P
49	220613	8	• CONNECTOR, Contact socker
50	253094	21	• CONNECTOR, Sealing plug
51	121556	1	• FUSE, ATC 15A
52	157857	1	• CONNECTOR, Plug (50 pin)
53	235450	1	• CONNECTOR, Plug (4 pin)
54	235451	1	• LOCK, Wedge (4 way)
55	234223	1	• CONNECTOR, Plug (6 pin)
56	234225	1	• LOCK, Wedge (6 way)
57	157850	1	• CONNECTOR 2F, 630 M/P FUSE HOLDER
58	157851	2	• TERM FEMALE 2-1.0 MM2 640 M/P PULL TO SEAT
59	156159	29	• SOCKET (16-20 AWG), FORMED
60	206845	2	• NUT, PANEL, SIZE 24 HD SERIES
61	206846	1	• WASHER, LOCK, SIZE 24 HD SERIES
62	134493	1	• TERMINAL, Ring (14-16 GA)
63	220147	1	• RESISTOR, 47 OHM 5 WATT
64	102921	1	• DIODE
65	235452	1	• WEDGE, Lock (2 WAY)

5.6 Battery Cables

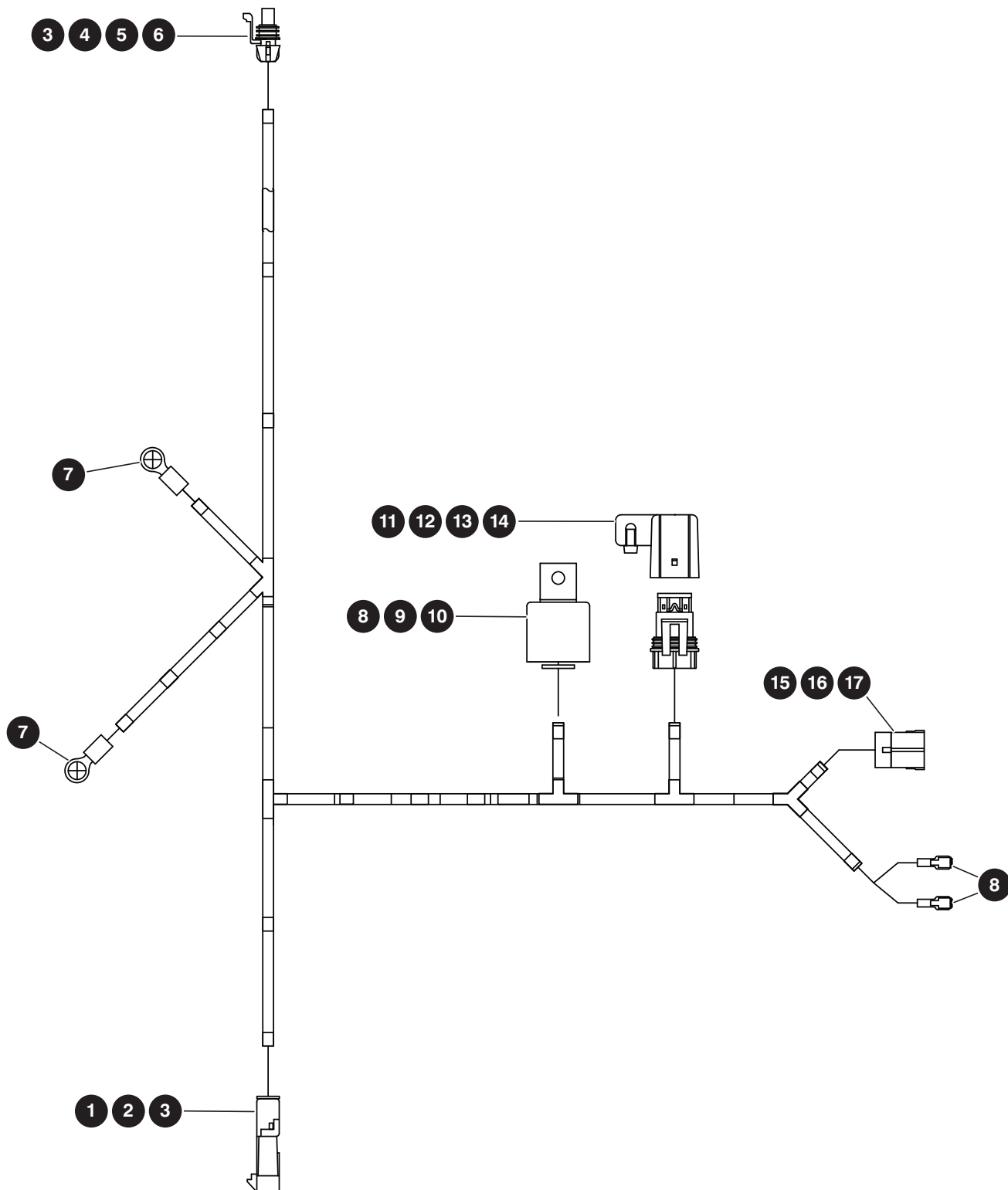


M206811AC

5.6 Battery Cables

Index No.	Skyjack Part No.	Qty.	Description
A	206824	1	CABLE ASSEMBLY, #2/0 3/8" X48"X5/16" (+B,03)
B	206815	1	CABLE ASSEMBLY, #2/0 3/8"X42"X3/8"(03,03)
C	204063	1	CABLE ASSEMBLY, #2/0 POSTS 5/16"X26"X3/8"
D	206813	1	CABLE ASSEMBLY, #2/0 3/8"X40"X1/2"
E	206816	1	CABLE ALTERNATOR
1	139105	1	TERMINAL BOOT - #2/0 RED (5737-005R) - A
		2	TERMINAL BOOT - #2/0 RED (5737-005R) - B
2	139030	1	CLAMP - BATTERY POST #2/0 POSITIVE - A
3	139034	1	TERMINAL - #2/0 3/8" DIA - A, C, D
4	191821	1	TERMINAL PROTECTOR, MILITARY STYLE RED - A
5	139035	4.5	HEAT SHRINK - 1" DIA CLEAR - A, C, D, E
6	139028	47"	CABLE #2/0 RED (RAW MATERIAL) - A
		42"	CABLE #2/0 RED (RAW MATERIAL) - B
7	209026	2	TERMINAL - #2/0 3/8" DIA ROUND LUG - B
8	221807	1	TERMINAL, Battery post #2/0 negative - C
9	191822	1	TERMINAL, Protector, military style black - C
10	139029	26"	CABLE #2/0 BLACK - C
-	139029	38'	CABLE #2/0 BLACK - D
11	163811	1	TERMINAL - RING#2 WIRE 1/2" STUD - D
12	115236	1	TERMINAL, 6GA*5/16 - E
13	103147	46"	CABLE, #6GA - E
14	102947	1	TERMINAL 6GA*3/8 - E
15	117696	1	TERMINAL BOOT - #4AWG - E
16	125959	2	WASHER, Flat 3/8" hard (Not Shown)
17	103978	1	NUT, Hex 3/8"-16 Gr 5 (Not Shown)

5.7 A/C Option Harness



M241600AA

5.7 A/C Option Harness

Index No.	Skyjack Part No.	Qty.	Description
-	241600	1	A/C OPTION HARNESS
1	156106	1	• CONNECTOR, 1M
2	156139	1	• TERMINAL, Male (2.0 - 1.0mm ²)
3	124369	2	• WIRE SEAL
4	156142	1	• TERMINAL, Female (2.0 - 1.0mm ² , 290 M/P)
5	156303	1	• CONNECTOR (1F, 280 M/P)
6	156304	1	• TPA (1W, 280 M/P)
7	102941	2	• TERMINAL, 3/8 ring (14-16AWG insulated blue)
8	105359	5	• TERMINAL, Female (14-16GA insulated blue)
9	105568	1	• TERMINAL, Female (10-12AWG yellow)
10	127035	1	• RELAY (12V, 40AMP)
11	157850	1	• CONNECTOR, Fuse holder (2F, 630 M/P)
12	156117	1	• COVER, Inline autofuse
13	157851	2	• TERMINAL, Female (2.0 - 1.0mm ² , 630 M/P)
14	156164	1	• FUSE (30A)
15	932897	2	• PIN, Male
16	932898	2	• CABLE SEAL
17	932899	1	• CONNECTOR

 **Notes**

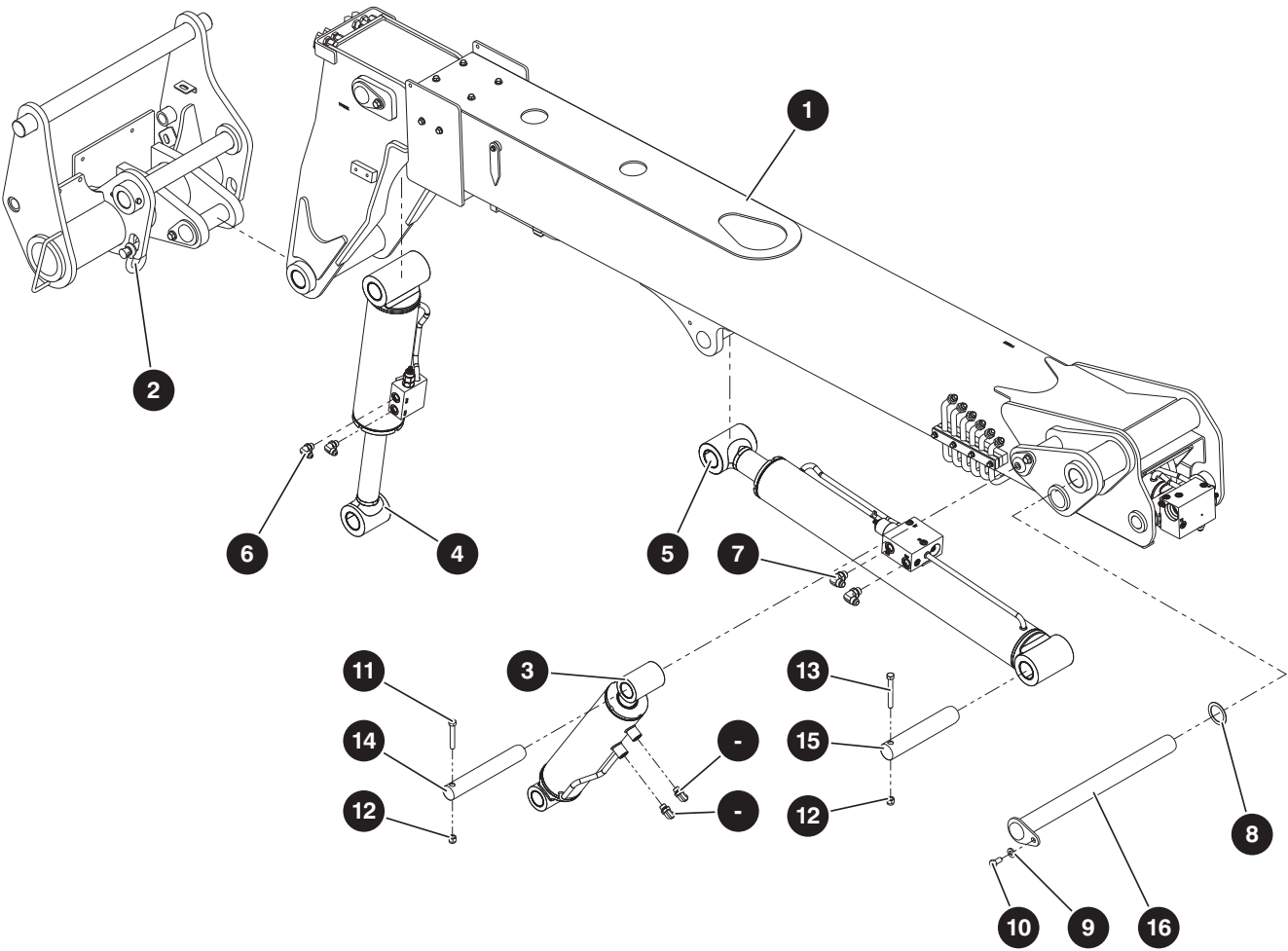
Section 6 – Boom

6.1 Boom Components

6.2 Boom Components (S/N 87 501 431 and below)

6.4 Boom Sub-carriage

6.1 Boom Components

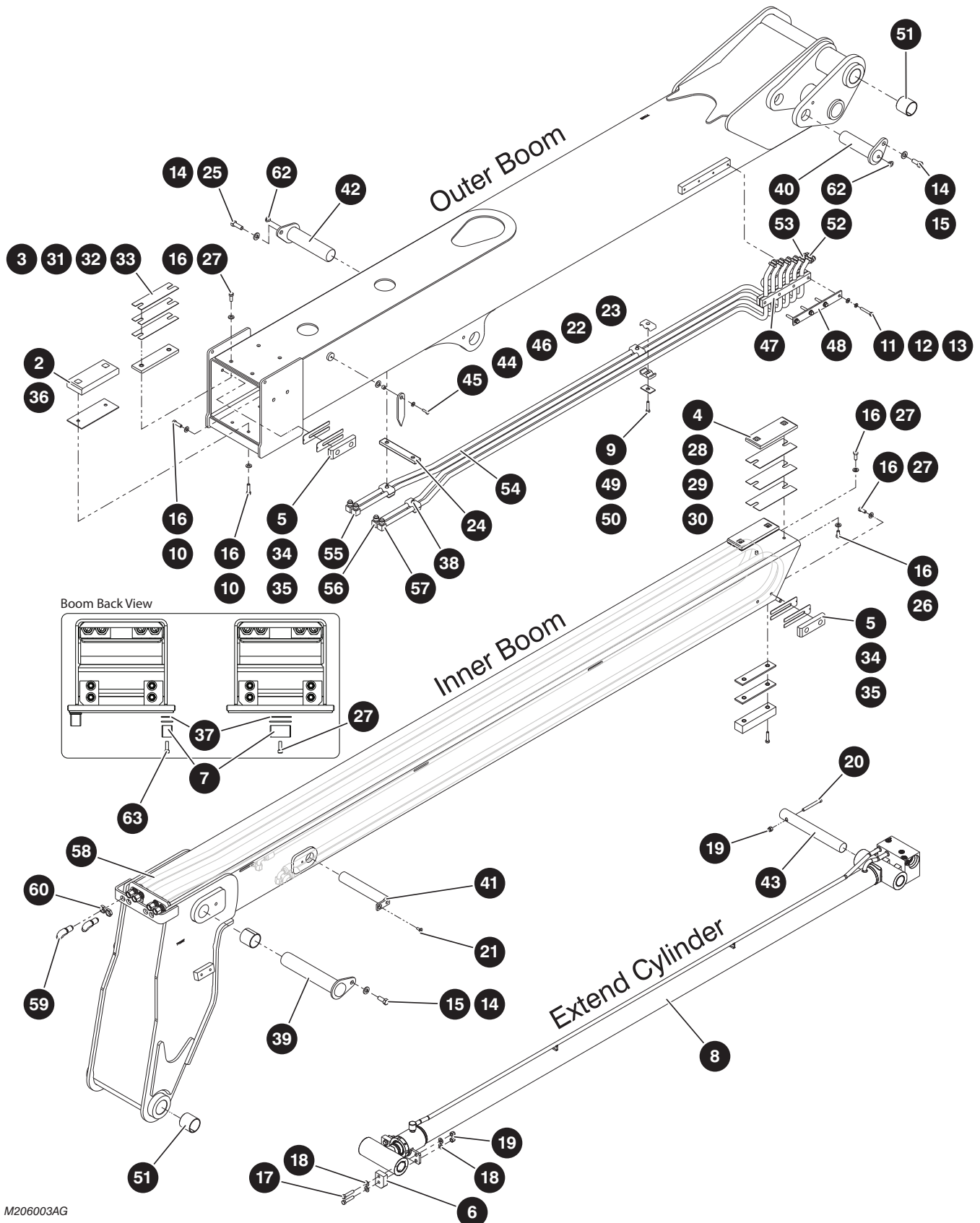


M206002AC.ai

6.1 Boom Components

Index No.	Skyjack Part No.	Qty.	Description
-	206002	1	BOOM
1	(Ref.)	1	• BOOM, 519 <i>(For components, refer to Section 6.2 - Boom Components (S/N 87 501 431 and below))</i> <i>(For components, refer to Section 6.3 - Boom Components (S/N 87 501 432 and above))</i>
2	206004	1	• SUB-CARRIAGE, SJ519 TH
3	(Ref.)	1	• CYLINDER, Tilt compensation SJ519 TH <i>(For components, refer to Section 7.4 - Tilt Compensation Cylinder)</i>
4	(Ref.)	1	• CYLINDER, Fork tilt SJ519 TH <i>(For components, refer to Section 7.1 - Fork Tilt Cylinder)</i>
5	(Ref.)	1	• CYLINDER, Lift <i>(For components, refer to Section 7.2 - Lift Cylinder)</i>
6	114583	4	• FITTING, 90° (08 JICM - 08 ORBM)
7	135091	2	• FITTING, 90° (10 JICM - 10 ORBM)
8	931602	2	• WASHER, Thrust - 2" ID x 2.74" OD x 1/16"
9	104379	1	• WASHER, Flat 1/4" Hard
10	139005	1	• BOLT, Hex head patch 1/2"-13 x 1" Gr. 5
11	103469	1	• BOLT, Hex Head 1/2"-13 x 3-1/4" Gr. 5
12	702507	2	• NUT, Lock with nylon insert 1/4"-13 Gr. C
13	127060	1	• BOLT, Hex Head 1/2"-13 x 4" Gr. 5
14	206106	1	• PIN, 1-3/4" OD x 11-1/2" long
15	206107	1	• PIN, 2" DIA x 10-9/16" long
16	206104	1	• PIN, 2" DIA x 24-5/16" long

6.2 Boom Components (S/N 87 501 431 and below)

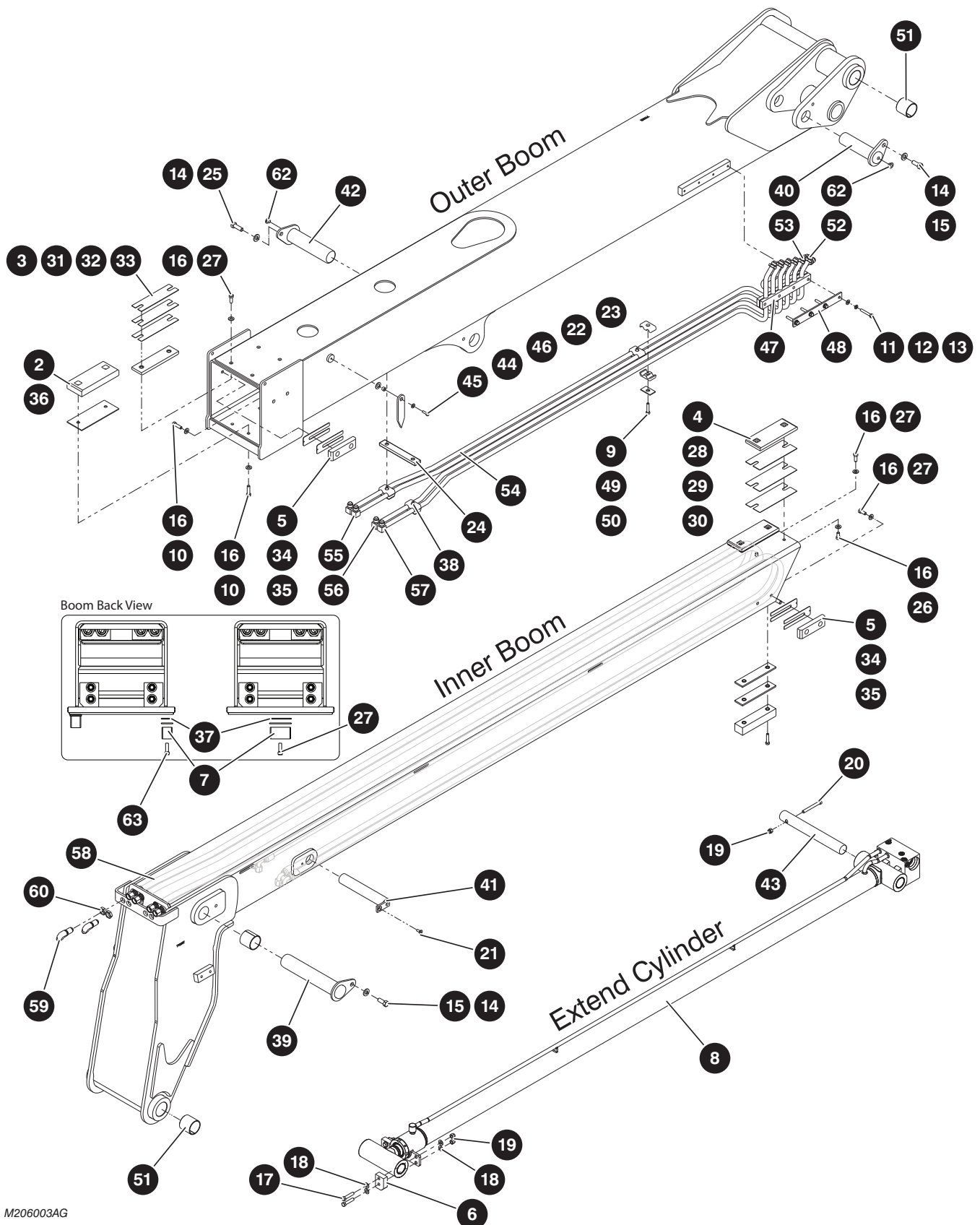


M206003AG

6.2 Boom Components (S/N 87 501 431 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	206003	1	BOOM ASSEMBLY for serial numbers 87501431 and below
1	206005	1	• BOOM, SJ519 TH
	206006		• • WELDMENT, Outer boom
	206007		• • WELDMENT, Inner boom
2	230412	2	• WEAR PAD, Black 26 x 75 x 190
3	191268	2	• WEAR PAD, Black 12 x 50 x 190
4	191270	2	• WEAR PAD, Black 12 x 75 x 190
5	205965	4	• PAD, WEAR (5" x 1-1/2" x 3/4")
6	205968	2	• WEAR PAD, Support
7	205979	1	• PAD, Wear (6.7" x 2.75" x 1.188") (for serial number 87510333 and below)
-	236256	2	• PAD, Wear (6.7" x 7/8" x 1") (for serial number 87510334 and above)
8	(Ref.)	1	• CYLINDER, Extend - SJ519 TH <i>(For components, refer to Section 7.3 - Extend Cylinder)</i>
9	103886	3	• BOLT, Hex Head 5/16"-18 x 1-1/2" Gr. 5
10	117430	8	• BOLT, Hex Head 3/8"-16 x 1-1/4" Gr. 8
11	103404	4	• WASHER, Lock 5/16"
12	103996	4	• WASHER, Flat 5/16"
13	103865	4	• BOLT, Hex head zinc plated (1/32"-18 x 2" Gr. 5)
14	104379	3	• WASHER, Flat 1/4" Hard
15	169942	2	• BOLT, Hex Head 1/2"-13 x 1-1/4" Gr. 8 zinc plated
16	125959	20	• WASHER, Flat 3/8" hard
17	103871	4	• BOLT, Hex Head 3/8"-16 x 1-3/4" Gr. 5
18	103472	8	• WASHER, Flat 3/8"
19	104606	5	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
20	103916	1	• BOLT, Hex Head 3/8"-16 x 3-1/4" Gr. 5
21	704642	1	• SCREW, Flat head cap 5/16"-18 x 3/4", Gr. 5
22	103995	1	• WASHER, Flat 1/4"
23	103891	1	• BOLT, Hex head 1/4"-20 x 7/8" Gr. 5
24	226343	1	• PLATE, Spacer, hydraulic lines
25	144713	1	• BOLT, Hex head 1/2"-13 x 1-1/2" Gr. 5
26	158488	4	• BOLT, Hex head 3/8"-16 x 3/4" Gr. 8
27	125741	8	• BOLT, Hex head 3/8"-16 x 7/8" Gr. 8
28	920273	2	• PLATE SHIM
29	920274	2	• PLATE SHIM
30	930195	2	• PLATE SHIM
31	926177	2	• PLATE SHIM
32	926942	2	• PLATE SHIM
33	927040	2	• PLATE SHIM
34	148838	4	• SHIM, 20 Gauge (1-1/2" x 5-1/4")
35	148837	4	• SHIM, 16 Gauge (1-1/2" x 5-1/4")
36	190873	2	• PLATE, Spacer 10GA
37	206116	2	• SHIM, 16 Gauge - 6-15/16" x 2.76 (for serial number 87510333 and below)
-	236258	2	• SHIM, 16 Gauge - 6-3/4" x 1" (for serial number 87510334 and above)
38	103885	2	• BOLT, Hex Head 5/16"-18 x 1-3/4" Gr. 5
39	205975	1	• PIN, 2" DIA x 11-1/4" long
-	-	-	Parts list continued on following page

6.2 Boom Components (S/N 87 501 431 and below)

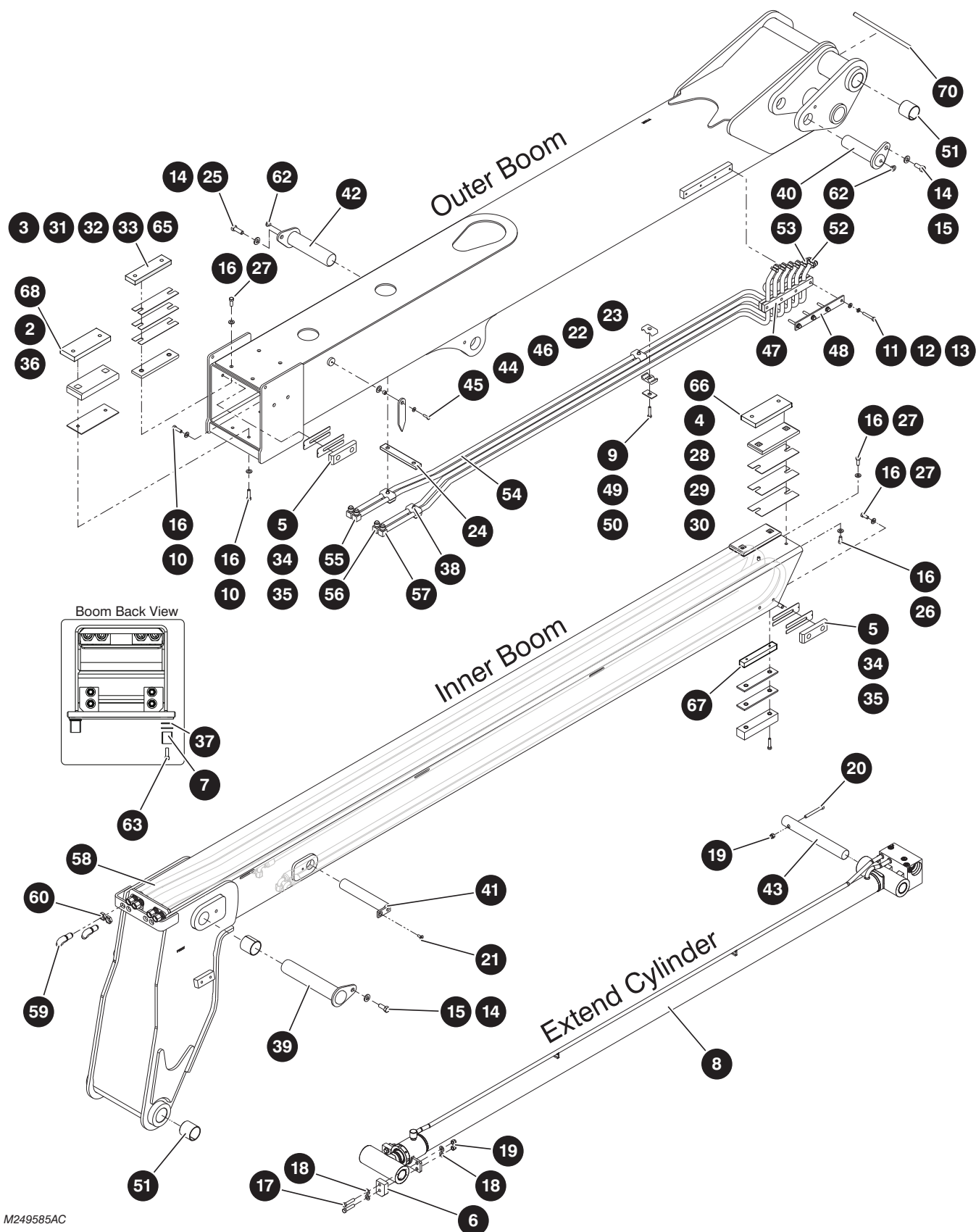


M206003AG

6.2 Boom Components (S/N 87 501 431 and below)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Parts list continued from previous page
40	205257	1	• PIN, 1-3/4" DIA x 7.138" long
41	205985	1	• PIN, 1-1/2" DIA x 8.786" long
42	205977	1	• PIN, 2" DIA x 8-3/8" long
43	205248	1	• PIN, 1-1/2" DIA x 12-1/4" long
44	191841	1	• SPACER, 17/32" ID x 1" OD x 22 GA GALV
45	190545	1	• SPACER, SS 1/2 OD x 5/16" long x 1/4" ID
46	190019	1	• PLATE, Angle indicator
47	205263	1	• CLAMP, Tube - uhmw
48	205262	1	• PLATE, Clamp
49	205458	5	• CLAMP, Hose 5/8" tube
50	932668	5	• COVER PLATE
51	148817	4	• BUSHING - CJS 3232 (2.00" x 2.00" long)
52	205816	1	• TUBE, Pressure 5/8" OD x .083 wall
53	205817	1	• TUBE, Pressure 5/8" OD x .083 wall
54	205818	1	• TUBE, Pressure 5/8" OD x .083 wall
55	205819	1	• TUBE, Pressure 5/8" OD x .083 wall
56	205820	1	• TUBE, Pressure 5/8" OD x .083 wall
57	205821	1	• TUBE, Pressure 5/8" OD x .083 wall
58	205980	2	• HOSE, Twin 08 JIC x 230.75" long
59	154241	4	• FITTING, 90° Bulkhead (08 JICM - 08 JICM)
60	154242	4	• NUT, Bulkhead - 08 JIC
61	103071	2	• FITTING, Straight (08 JICM - 10 ORBM)
62	197449	2	• PLUG, 1/2" wide flange
63	151595	4	SCREW, Socket Head Cap 1/4"-20 x 3/4" zinc plated
K	239446	1	ASSY, Inner Boom (Rear wear pads, shims, and hardware)

6.3 Boom Components (S/N 87 501 432 and above)

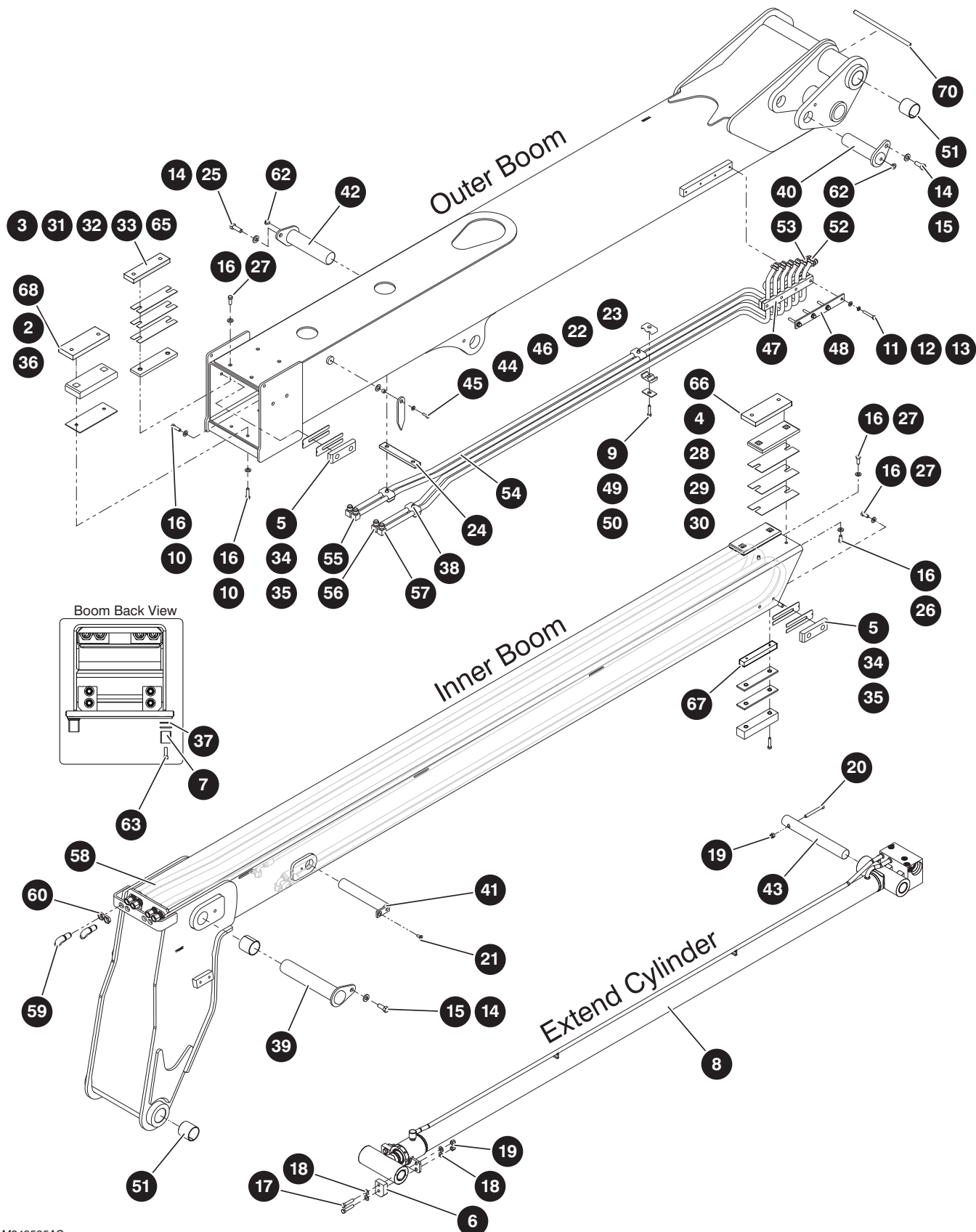


M249585AC

6.3 Boom Components (S/N 87 501 432 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	249585	1	BOOM ASSEMBLY - for serial numbers 87501432 and above
1	249586	1	• BOOM, SJ519 TH
-	250630	1	• • WELDMENT, Outer boom
-	250653	1	• • WELDMENT, Inner boom
2	230412	2	• WEAR PAD, Black 26 x 75 x 190
3	191268	2	• WEAR PAD, Black 12 x 50 x 190
4	191270	2	• WEAR PAD, Black 12 x 75 x 190
5	249593	4	• PAD, WEAR - side
6	205968	2	• WEAR PAD, Support
7	236256	2	• PAD, Wear (6.7" x 7/8" x 1")
8	(Ref.)	1	• CYLINDER, Extend - SJ519 TH <i>(For components, refer to Section 7.3 - Extend Cylinder)</i>
9	103886	3	• BOLT, Hex Head 5/16"-18 x 1-1/2" Gr. 5
10	139006	4	• BOLT, Hex Head 3/8"-16 x 2" Gr. 8
11	103404	4	• WASHER, Lock 5/16"
12	103996	4	• WASHER, Flat 5/16"
13	103865	4	• BOLT, Hex head zinc plated (1/32"-18 x 2" Gr. 5)
14	104379	3	• WASHER, Flat 1/4" Hard
15	169942	2	• BOLT, Hex Head 1/2"-13 x 1-1/4" Gr. 8 zinc plated
16	125959	20	• WASHER, Flat 3/8" hard
17	103871	4	• BOLT, Hex Head 3/8"-16 x 1-3/4" Gr. 5
18	103472	8	• WASHER, Flat 3/8"
19	104606	5	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
20	103916	1	• BOLT, Hex Head 3/8"-16 x 3-1/4" Gr. 5
21	704642	1	• SCREW, Flat head cap 5/16"-18 x 3/4", Gr. 5
22	103995	1	• WASHER, Flat 1/4"
23	103891	1	• BOLT, Hex head 1/4"-20 x 7/8" Gr. 5
24	226343	1	• PLATE, Spacer, hydraulic lines
25	144713	1	• BOLT, Hex head 1/2"-13 x 1-1/2" Gr. 5
26	158488	4	• BOLT, Hex head 3/8"-16 x 3/4" Gr. 8
27	197754	4	• BOLT, Hex head 3/8"-16 x 1-3/4" Gr. 8
28	920273	2	• PLATE SHIM
29	920274	2	• PLATE SHIM
30	930195	2	• PLATE SHIM
31	926177	2	• PLATE SHIM
32	926942	2	• PLATE SHIM
33	927040	2	• PLATE SHIM
34	148838	4	• SHIM, 20 Gauge (1-1/2" x 5-1/4")
35	148837	4	• SHIM, 16 Gauge (1-1/2" x 5-1/4")
36	190873	2	• PLATE, Spacer 10GA
37	236258	2	• SHIM, 16 Gauge - 6-3/4" x 1'
38	103885	2	• BOLT, Hex Head 5/16"-18 x 1-3/4" Gr. 5
39	205975	1	• PIN, 2" DIA x 11-1/4" long
40	205257	1	• PIN, 1-3/4" DIA x 7.138" long
41	205985	1	• PIN, 1-1/2" DIA x 8.786" long
42	205977	1	• PIN, 2" DIA x 8-3/8" long
-	-	-	Parts list continued on following page

6.3 Boom Components (S/N 87 501 432 and above)

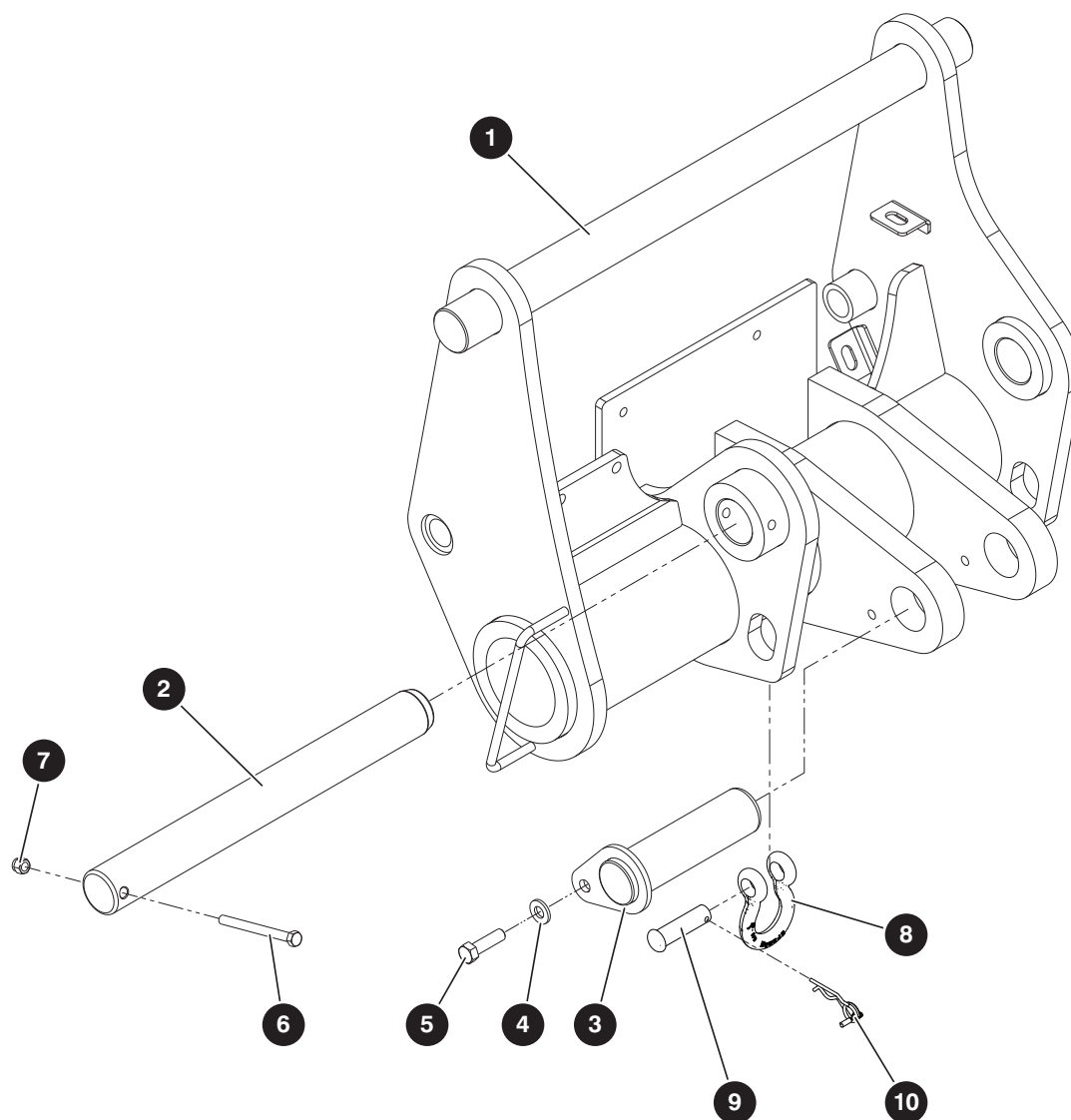


M249585AC

6.3 Boom Components (S/N 87 501 432 and above)

Index No.	Skyjack Part No.	Qty.	Description
-	-	-	Parts list continued from previous page
43	205248	1	• PIN, 1-1/2" DIA x 12-1/4" long
44	191841	1	• SPACER, 17/32" ID x 1" OD x 22 GA GALV
45	190545	1	• SPACER, SS 1/2 OD x 5/16" long x 1/4" ID
46	190019	1	• PLATE, Angle indicator
47	205263	1	• CLAMP, Tube - uhmw
48	205262	1	• PLATE, Clamp
49	205458	5	• CLAMP, Hose 5/8" tube
50	932668	5	• COVER PLATE
51	148817	4	• BUSHING - CJS 3232 (2.00" x 2.00" long)
52	205816	1	• TUBE, Pressure 5/8" OD x .083 wall
53	205817	1	• TUBE, Pressure 5/8" OD x .083 wall
54	205818	1	• TUBE, Pressure 5/8" OD x .083 wall
55	205819	1	• TUBE, Pressure 5/8" OD x .083 wall
56	205820	1	• TUBE, Pressure 5/8" OD x .083 wall
57	205821	1	• TUBE, Pressure 5/8" OD x .083 wall
58	205980	2	• HOSE, Twin 08 JIC x 230.75" long
59	154241	4	• FITTING, 90° Bulkhead (08 JICM - 08 JICM)
60	154242	4	• NUT, Bulkhead - 08 JIC
61	103071	2	• FITTING, Straight (08 JICM - 10 ORBM)
62	197449	2	• PLUG, 1/2" wide flange
63	213350	4	• SCREW, Socket Head Cap 1/4"-20 x 1-1/2
64	706789	4	• BOLT, Hex head 3/8"-16 x 1-1/2"
65	249588	2	• SPACER, Wear PAD
66	249589	2	• SPACER, Wear PAD
67	249590	2	• SPACER, Wear PAD
68	249587	2	• SPACER, Wear PAD
69	207298	4	• BOLT, Hex head 3/8"-16 x 1"
70	117398	5	• PROTECTIVE TRIM
K	239446	1	ASSY, Inner Boom (Rear wear pads, shims, and hardware)

6.4 Boom Sub-carriage



M206004AC

6.4 Boom Sub-carriage

Index No.	Skyjack Part No.	Qty.	Description
-	206004	1	SUB-CARRIAGE
1	206008	1	• SUB-CARRIAGE, SJ519 TH
2	205835	1	• PIN, 2" DIA x 18.625" long
3	205281	1	• PIN, 2" DIA x 7-9/16" long
4	104379	1	• WASHER, Flat 1/4" Hard
5	207653	1	• BOLT, Hex head 1/2"-13 x 1-3/4" Gr. 8
6	159859	1	• BOLT, Hex Head 3/8"-16 X 4-1/4" Gr. 8
7	104606	1	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
-	230415	1	• SHACKLE, 5/8" - 3.25 Ton
8	230418	1	• • SHACKLE, 5/8" - 3.25T
9	230419	1	• • ROUND PIN / SHACKLE 3.25T
10	224408	1	• PIN, locking with lanyard

 **Notes**

Section 7 – Cylinders

7.1 *Fork Tilt Cylinder*

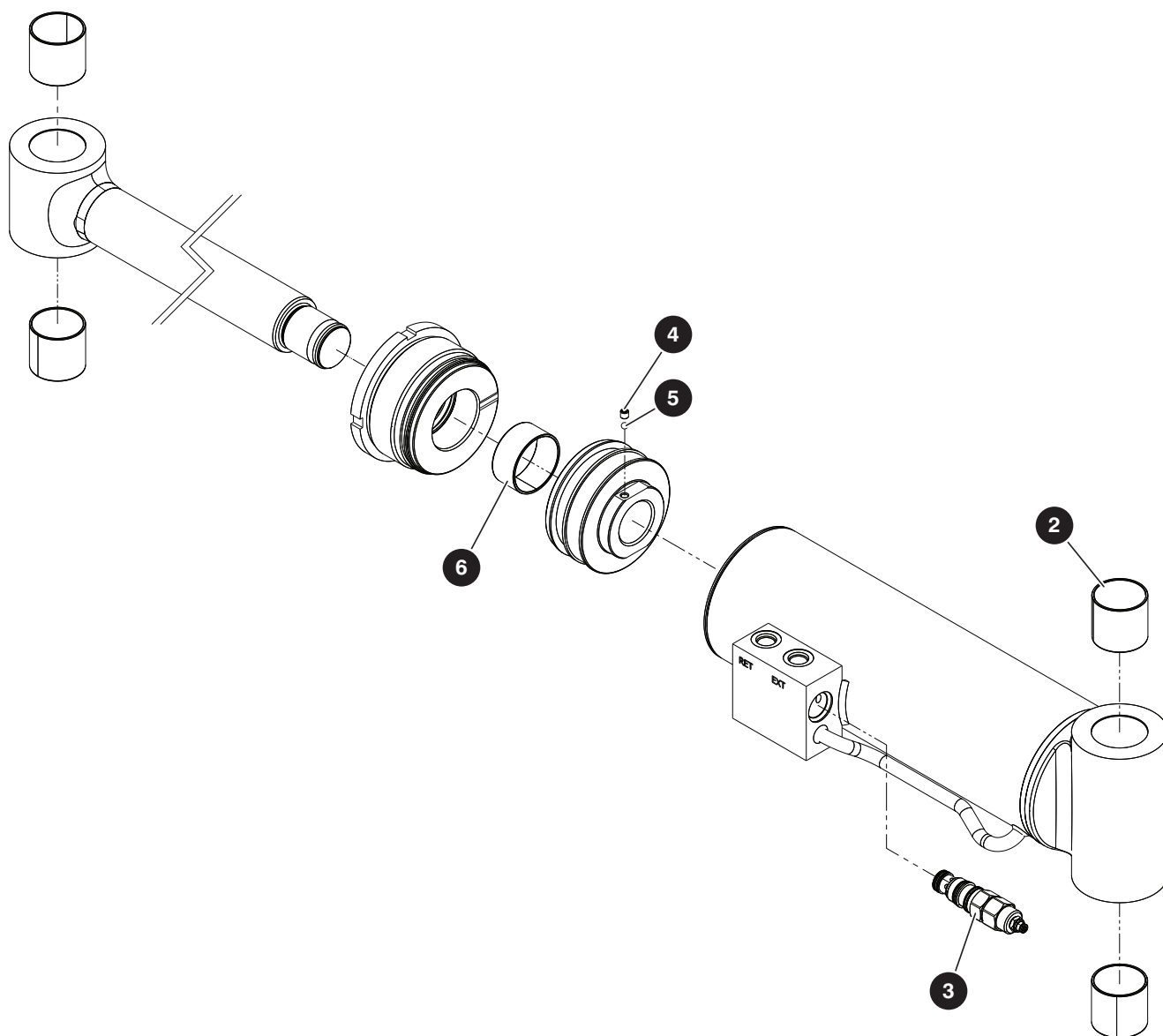
7.2 *Lift Cylinder*

7.3 *Extend Cylinder*

7.4 *Tilt Compensation
Cylinder*

7.5 *Quick Attach Cylinder*

7.1 Fork Tilt Cylinder

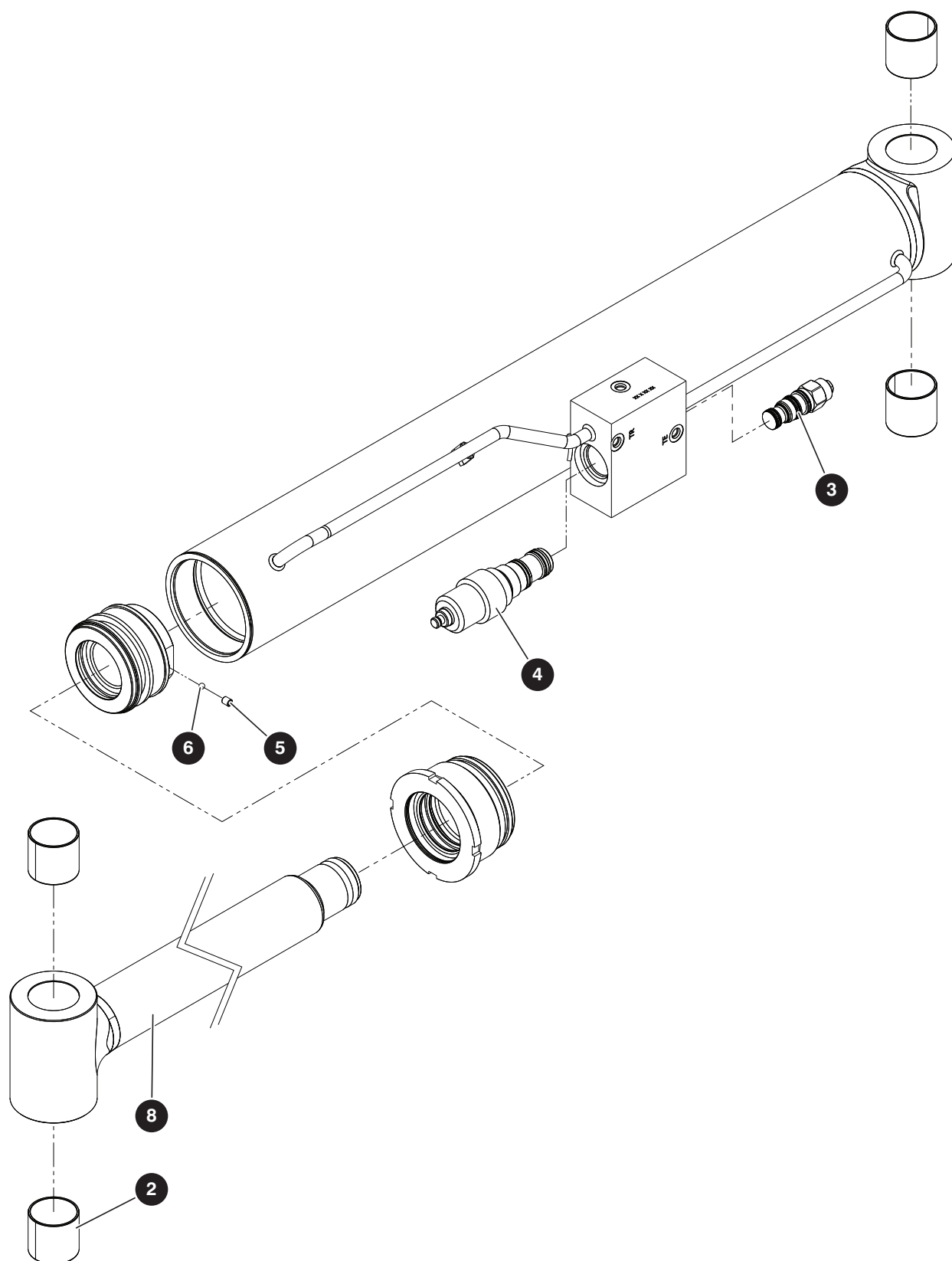


M206945AB

7.1 Fork Tilt Cylinder

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	255611	1	FORK TILT CYLINDER
B	206945	1	FORK TILT CYLINDER
1	255693	1	• SEAL KIT (not shown), A
	224012	1	• SEAL KIT (not shown), B
2	224013	4	• BEARING, Dry, B
3	224014	1	• VALVE, Counterbalance 5000 PSI
4	212838	1	• SCREW, Set (M8 x 1.25 x 8), B
5	209121	1	• BALL, Steel (6.35 mm), B
6	224015	1	• BEARING, Dry, B

7.2 Lift Cylinder

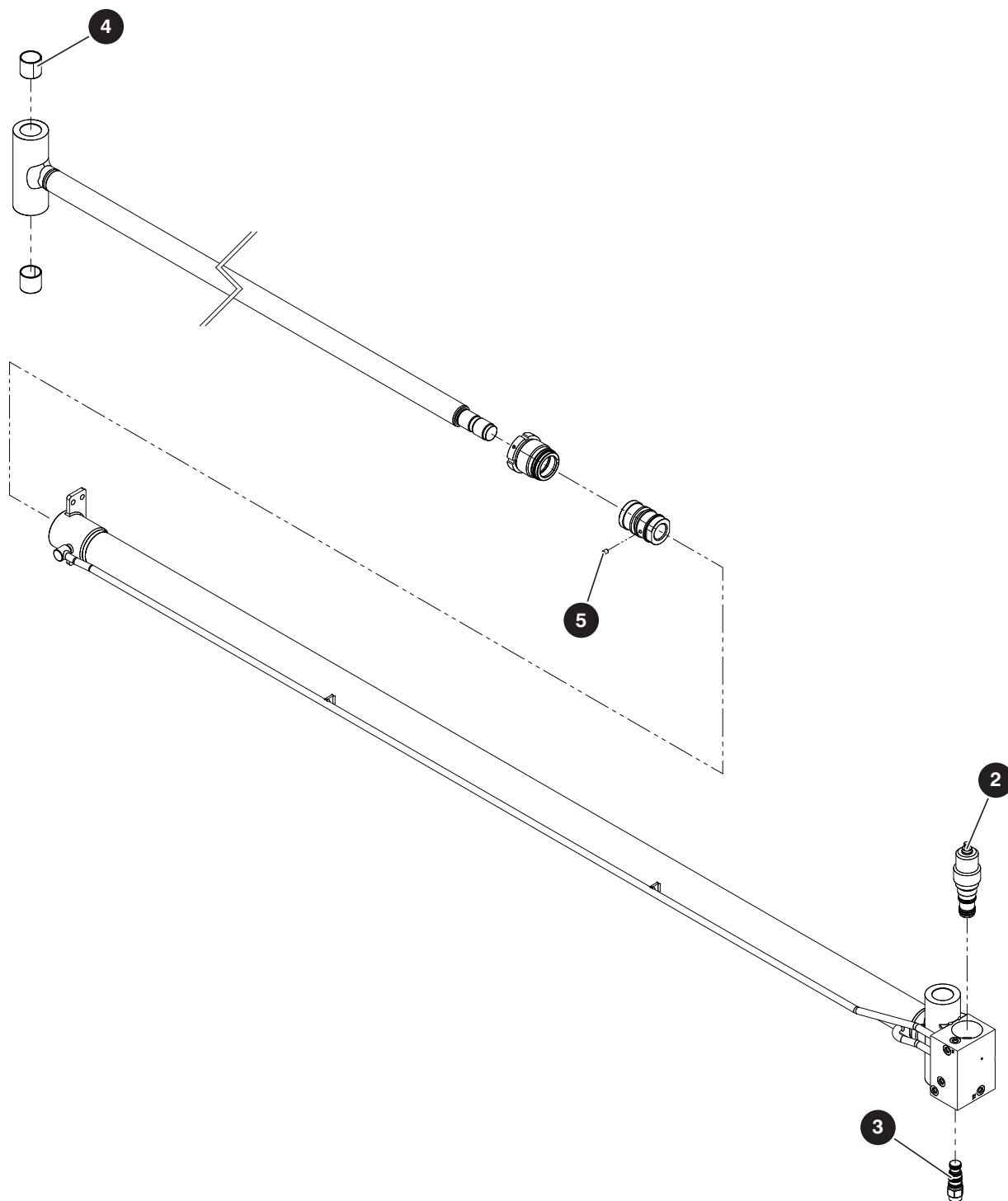


M206943AA

7.2 Lift Cylinder

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	255610	1	LIFT CYLINDER
B	206943	1	LIFT CYLINDER
1	255692	1	• SEAL KIT (not shown), A
	224028	1	• SEAL KIT (not shown), B
2	224013	4	• BEARING, Dry, B
3	224027	1	• VALVE, Counterbalance - 3000 PSI
4	256727	1	• VALVE, Counterbalance - 5000 PSI, A
	224026	1	• VALVE, Counterbalance - 5000 PSI, B
5	213481	1	• SCREW, Set (M8 x 1.25 x 8), B
6	209121	1	• BALL, Steel (6.35 MM), B

7.3 Extend Cylinder

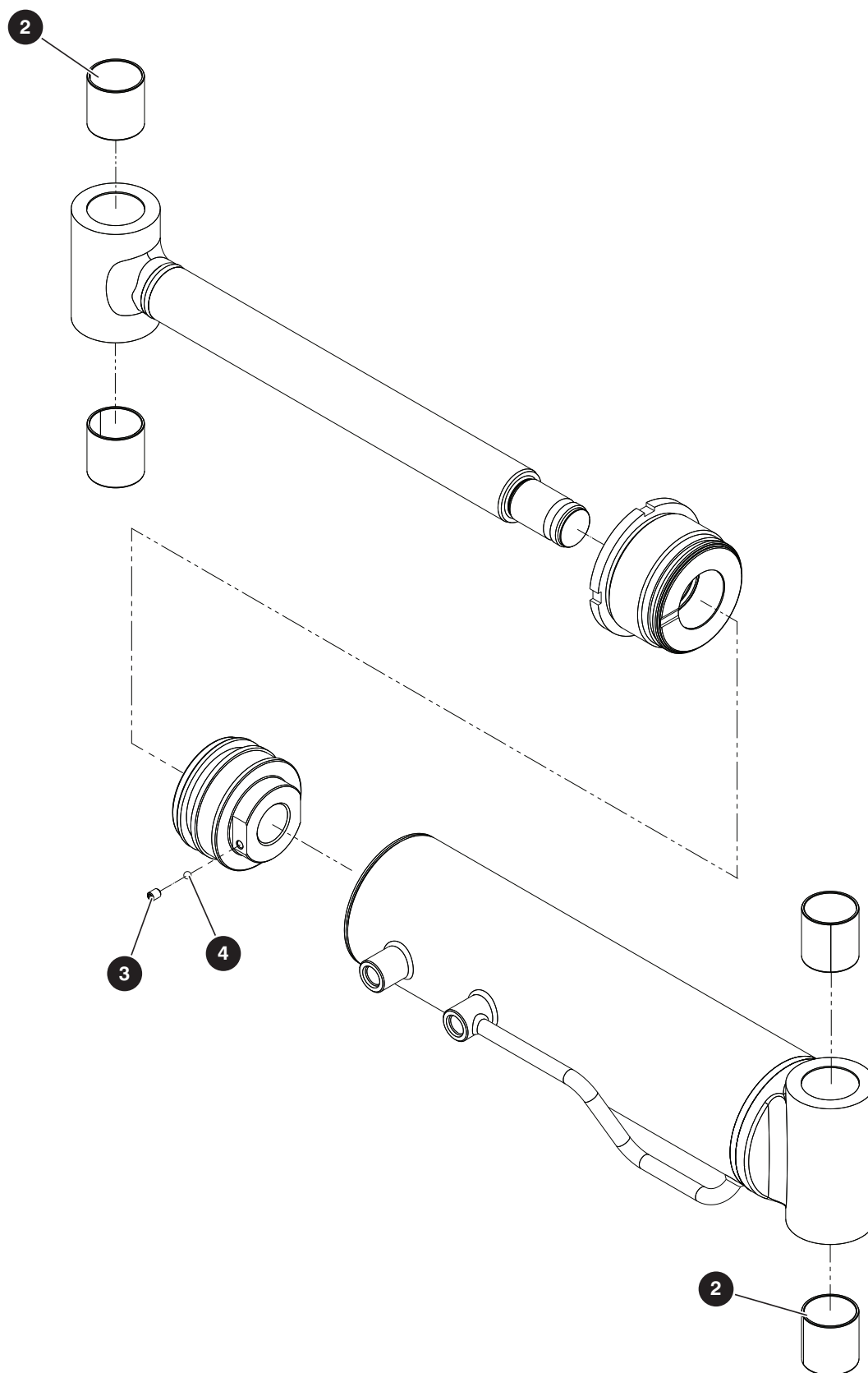


M206944AC

7.3 Extend Cylinder

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	255612	1	EXTEND CYLINDER
B	224199	1	EXTEND CYLINDER
1	255694	1	• SEAL KIT (not shown), A
	224034	1	• SEAL KIT (not shown), B
2	256727	1	• VALVE, COUNTERBALANCE - 5000 PSI, A
	224026	1	• VALVE, COUNTERBALANCE - 5000 PSI, B
3	224271	1	• VALVE, COUNTERBALANCE
4	224033	4	• BEARING, Dry, B
5	213481	1	• SCREW, Set (M8 x 1.25 x 8), B

7.4 Tilt Compensation Cylinder

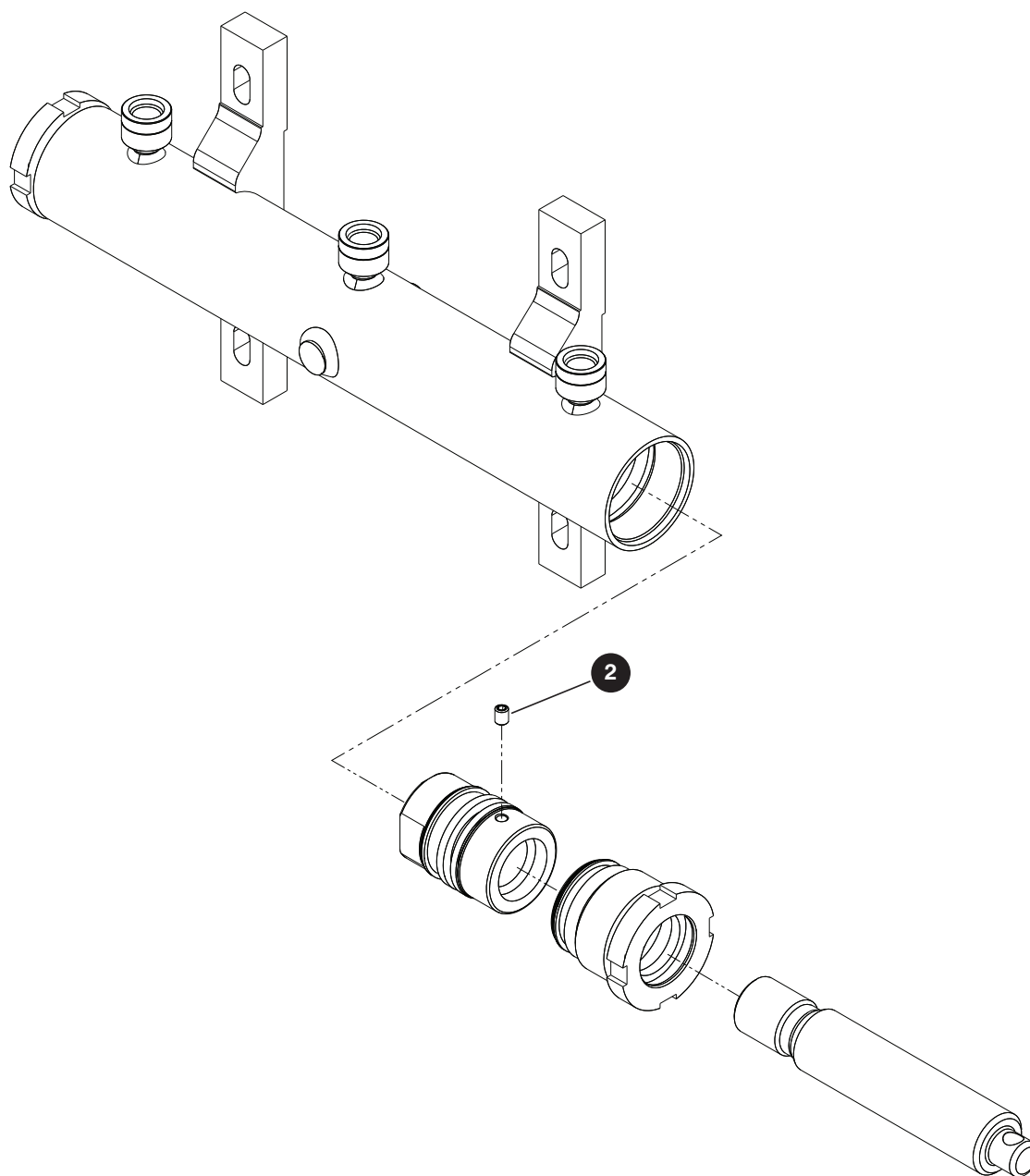


M205961AC

7.4 Tilt Compensation Cylinder

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	255608	1	TILT COMPENSATION CYLINDER
B	205961	1	TILT COMPENSATION CYLINDER
1	255690	1	• SEAL KIT (not shown), A
	224040	1	• SEAL KIT (not shown), B
2	224039	4	• BEARING, Dry, B
3	213481	1	• SCREW, Set (M8 x 1.25 x 8), B
4	209121	1	• BALL, Steel (6.35 mm), B

7.5 Quick Attach Cylinder



M205964AD

7.5 Quick Attach Cylinder

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	255609	1	QUICK ATTACH CYLINDER
B	205964	1	QUICK ATTACH CYLINDER
1	255691	1	• SEAL KIT (not shown), A
	224166	1	• SEAL KIT (not shown), B
2	259437	2	• SCREW, Set, B

 **Notes**

Section 8 – Hydraulics

8.1 *Standard Hose
Numbering System*

8.2 *Main Manifold
Assembly*

8.3 *Main Manifold*

8.4 *Main Manifold
Components*

8.5 *Pilot Manifold*

8.6 *Pilot Manifold
Components*

8.7 *Steer Valve Assembly*

8.8 *Steer Valve*

8.9 *Hydraulic Filters*

8.10 *Hydraulic Hoses -
Cylinders*

8.11 *Drive and System
Pump Hoses*

8.12 *Drive and System
Pump Hoses*

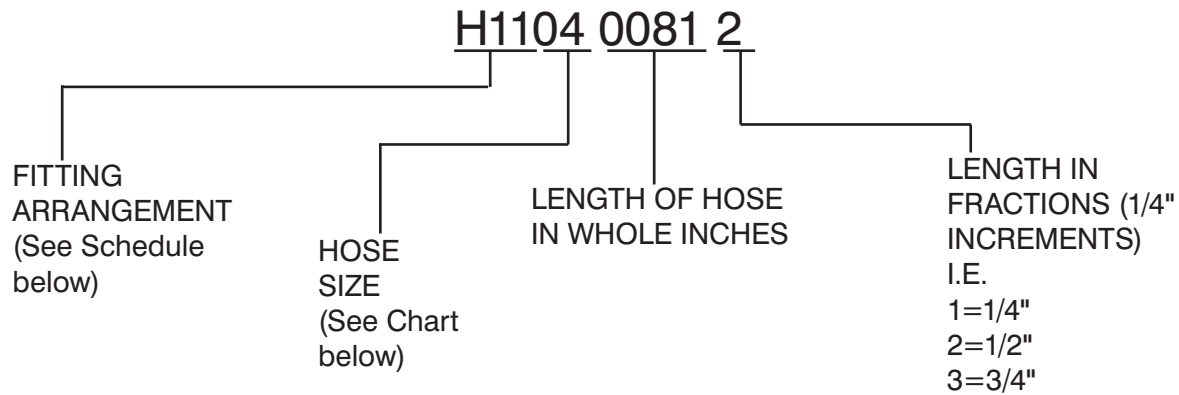
8.15 *Steer and Brake
Hoses*

8.16 *Hydraulic Tank Oil Fill*

8.17 *Pilot Manifold Hoses*

8.18 *Cab Hydraulic Hoses*

8.1 Standard Hose Numbering System



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



NOTE

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

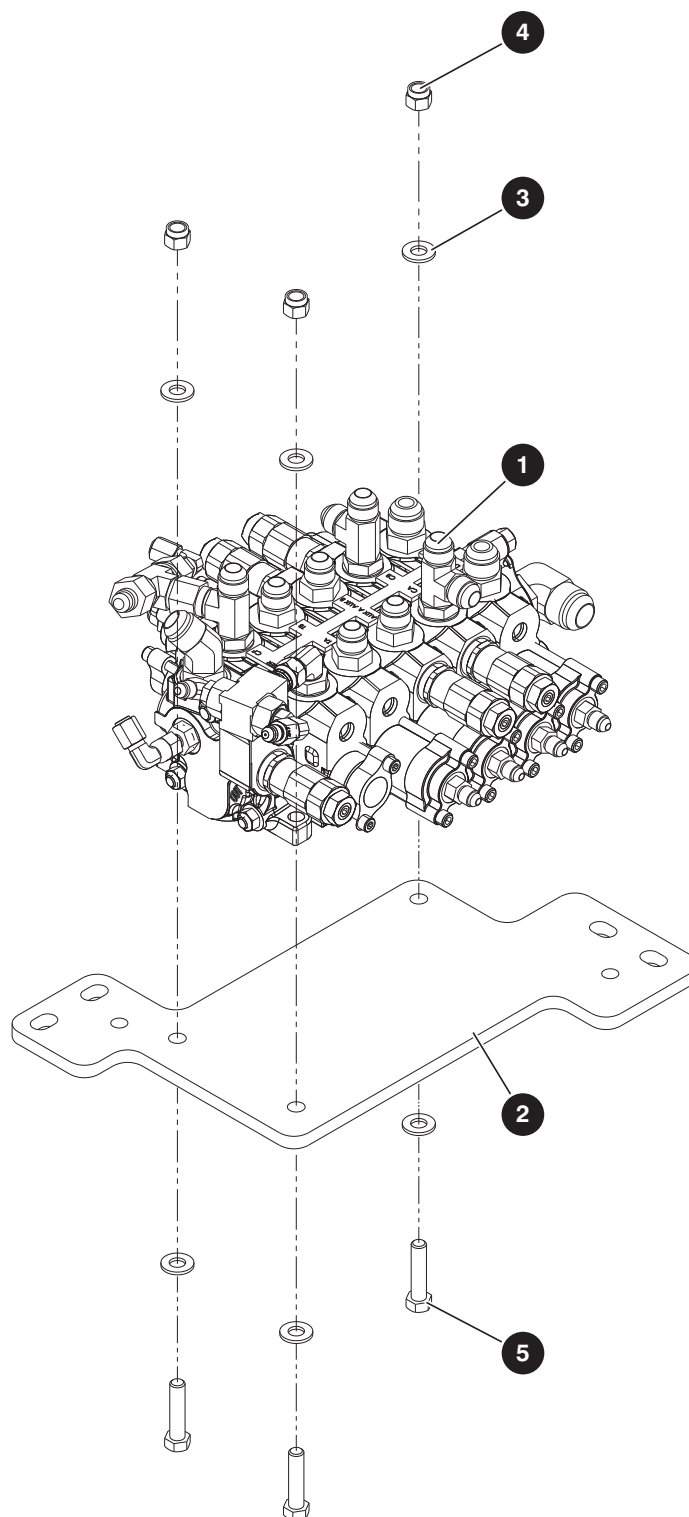
Hose Size Chart														
Size	03	04	06	08	10	12	16	20	24	32	40	48	56	64
ID	3/16"	1/4"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"

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

8.1 Standard Hose Numbering System

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

8.2 Main Manifold Assembly

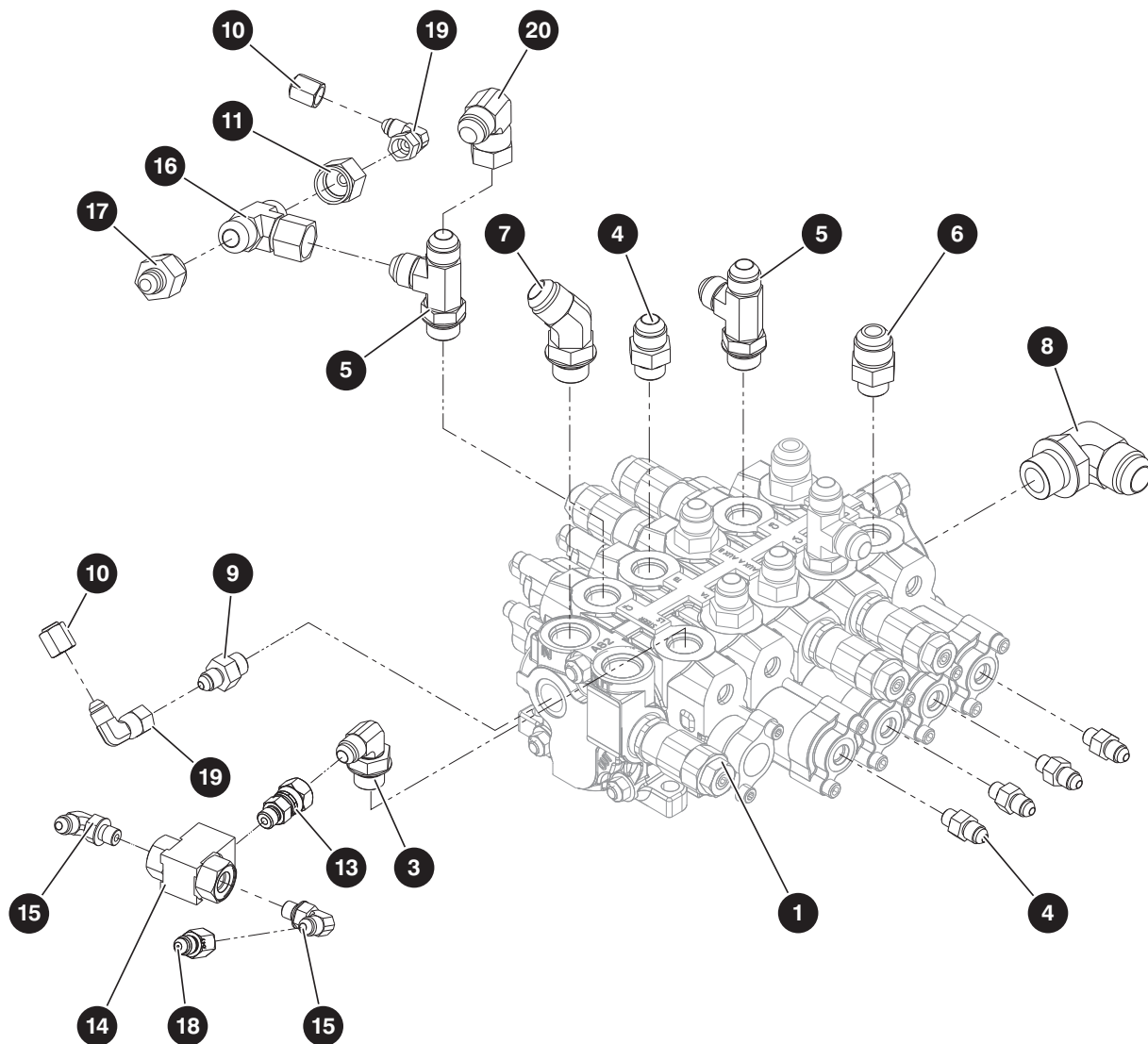


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8.2 Main Manifold Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	206866	1	MAIN MANIFOLD
1	206311	1	• MANIFOLD, Main, spool
2	206659	1	• PLATE, Main manifold mounting
3	125959	6	• WASHER, Flat 3/8" hard
4	104606	3	• NUT, Lock with nylon insert 3/8" Gr 5
5	208945	3	• BOLT, Hex head 3/8"-16 x 1-5/8" Gr 5

8.3 Main Manifold

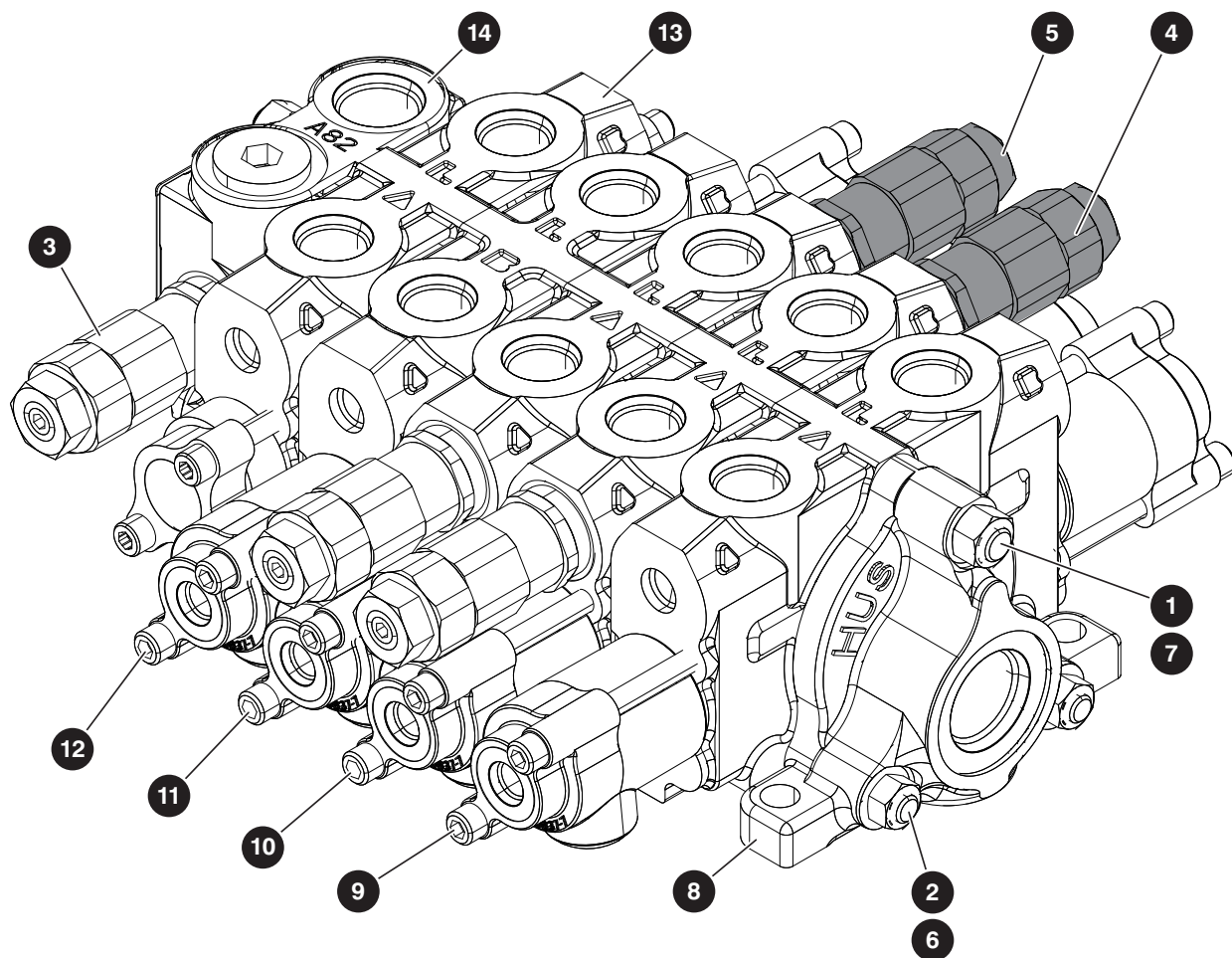


M206311AG

8.3 Main Manifold

Index No.	Skyjack Part No.	Qty.	Description
-	206311	1	MAIN MANIFOLD
1	206793	1	MANIFOLD, MAIN 519 <i>(For components, refer to Section 8.4 - Main Manifold Components)</i>
2	126128	8	FITTING, 04 SAE to 04 JIC
3	102665	1	FITTING, 90° (06 JICM - 08 ORBM)
4	102659	4	FITTING, Straight (08 JICM - 08 ORBM)
5	110554	3	FITTING, Run tee (08 JICM - 08 ORBM - 08 JICM)
6	147535	2	FITTING, 8 SAE to -10 JIC
7	149215	1	FITTING, 45° (10 JICM - 10 ORBM)
8	105445	1	FITTING, 90° (12 JICM - 12 ORBM)
9	701956	1	FITTING, 06 SAE to 04 JIC
10	131286	2	FITTING, CAP (04 JICF)
11	706812	1	FITTING, Straight (08JICF-04JICM)
12	206947	1	LABEL, SJ519 TH MAIN MANIFOLD
13	224060	1	FITTING, 04 SAE ORBM to 06 JICFS
14	138394	1	VALVE, Shuttle (#4 ORB)
15	125883	2	FITTING, 90° (04 JICM - 04 ORBM)
16	224062	1	FITTING, Tee 08 JICM - 08 JICM - 08 JICF
17	110498	1	FITTING, Straight (08 JICF - 06 JICM)
18	224135	1	FITTING, 3/64" Orifice
19	702875	2	FITTING, 90° Swivel (04 JICM - 04 JICFS)
20	702856	1	FITTING, 90° 08 JICM - 08 JICF swivel

8.4 Main Manifold Components



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8.4 Main Manifold Components

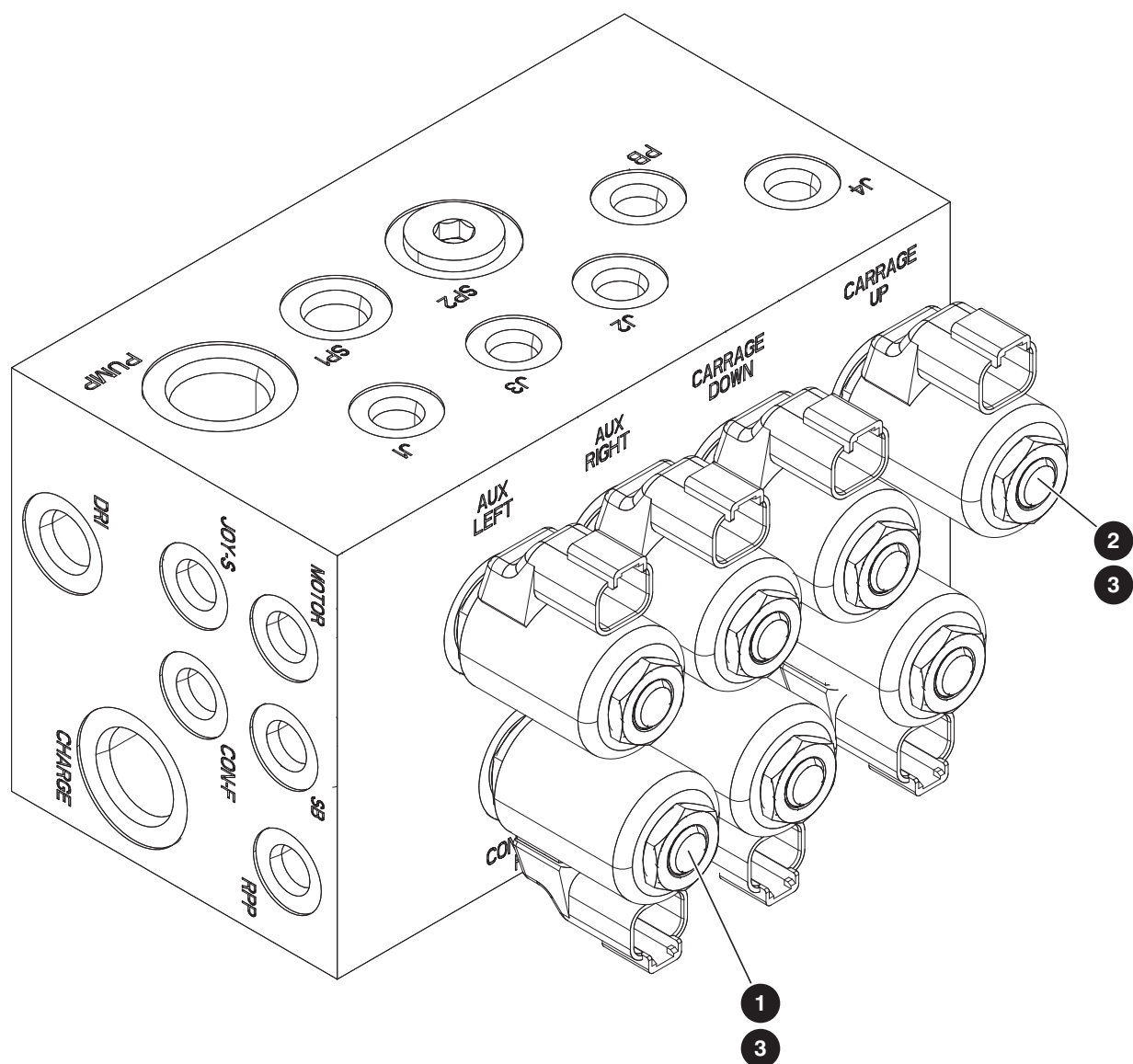
Index No.	Skyjack Part No.	Qty.	Description
-	206793	1	MAIN MANIFOLD
1	224301	1	• TIE ROD
2	224137	2	• TIE ROD
3	224050	1	• VALVE, Relief 3900 psi
4	224049	2	• VALVE, Relief 3500 psi
5	224048	2	• VALVE, Relief 3000 psi
6	224138	4	• NUT, Special
7	224139	2	• NUT, Special
8	224047	1	• SECTION, Outlet
9	224046	1	• SECTION, Spool
10	224045	1	• SECTION, Spool
11	224044	1	• SECTION, Spool
12	224043	1	• SECTION, Spool
13	224042	1	• SECTION, Spool
14	224041	1	• SECTION, Inlet
15	224140	1	• SEAL KIT (Not shown)



8.5 Pilot Manifold

Index No.	Skyjack Part No.	Qty.	Description
-	206310	1	PILOT MANIFOLD
1	206455	1	MANIFOLD, PILOT <i>(For components, refer to Section 8.6 - Pilot Manifold Components)</i>
2	131716	8	FITTING, 45° (04 JICM - 04 ORBM)
3	114578	1	FITTING, 90° (06 JICM - 06 ORBM)
4	135091	2	FITTING, 90° (10 JICM - 10 ORBM)
5	125883	4	FITTING, 90° (04 JICM - 04 ORBM)
6	126366	4	FITTING, 90° LL (04 JICM - 04 ORBM)
7	126128	1	FITTING, (04 SAE - 04 JIC)
8	701956	1	FITTING, (06 SAE - 04 JIC)
9	131286	1	FITTING, Cap (04 JICF)
10	121250	1	FITTING, Plug (04 ORBM)
11	151688	1	FITTING, 45° (04 JICM - 04 JICF) Swivel

8.6 Pilot Manifold Components

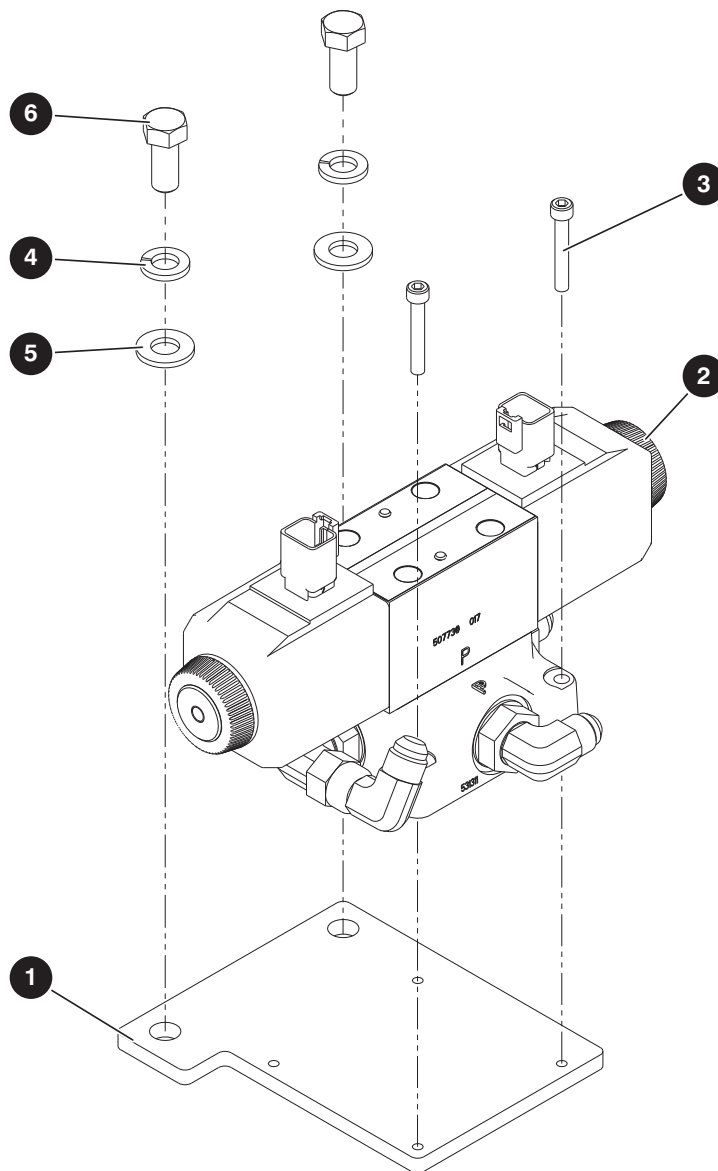


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8.6 Pilot Manifold Components

Index No.	Skyjack Part No.	Qty.	Description
-	206455	1	PILOT MANIFOLD
1	224051	3	• VALVE, Solenoid
2	224052	4	• VALVE, Solenoid
3	224053	7	• COIL, Solenoid
4	224141	1	• SEAL KIT (Not Shown)
5	224142	1	• SEAL KIT (Not Shown)

8.7 Steer Valve Assembly

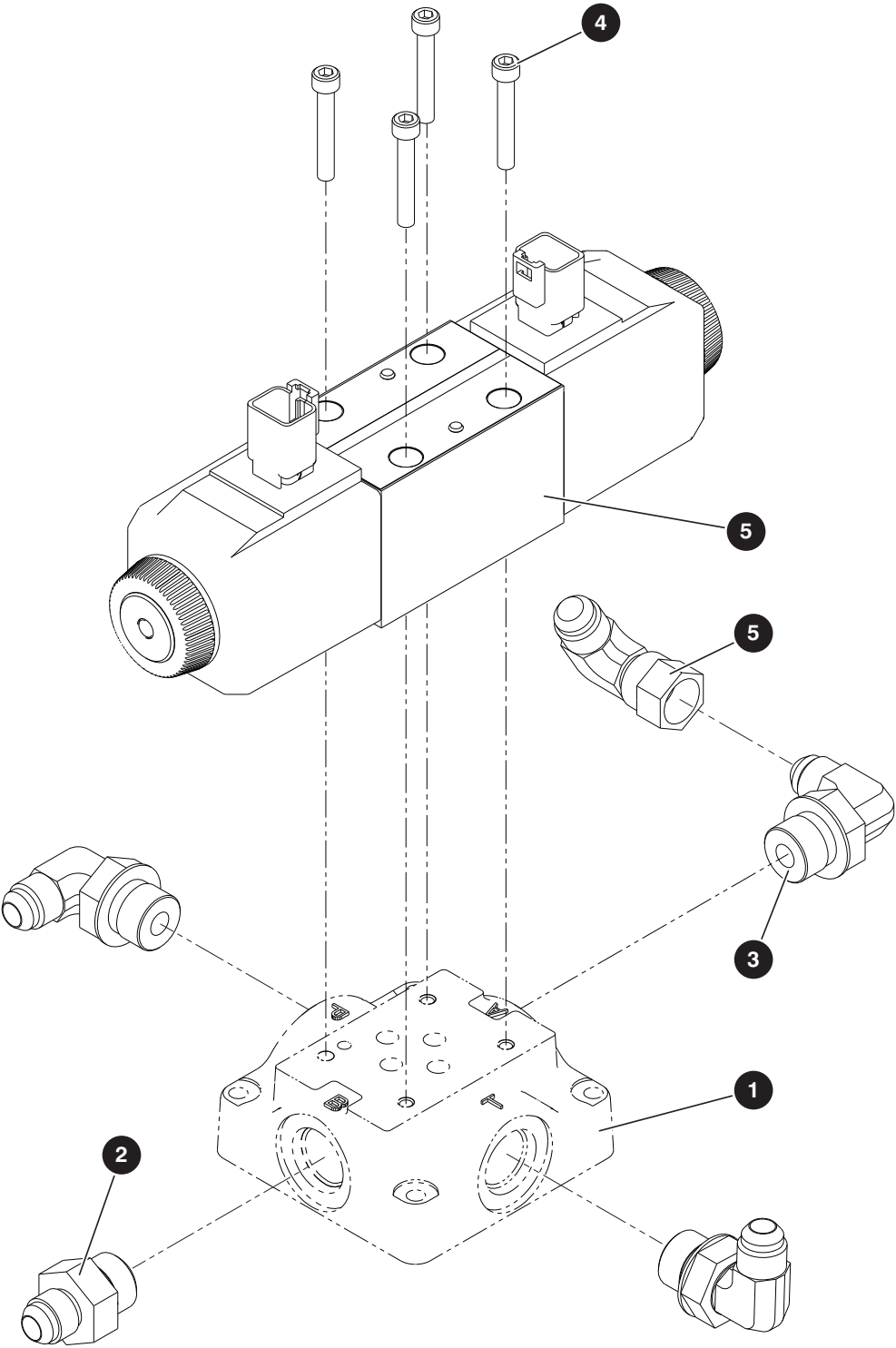


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8.7 Steer Valve Assembly

Index No.	Skyjack Part No.	Qty.	Description
-	206884	1	STEER MANIFOLD
1	206897	1	• PLATE, Steer select valve
2	206312	1	• VALVE, Steer select
			<i>(For components, refer to Section 8.8 - Steer Valve)</i>
3	103918	4	• SCREW, Socket Head #10-24 x 1-1/4"
4	103999	2	• WASHER, Lock 3/8"
5	125959	2	• WASHER Flat 3/8" hard
6	300437	2	• BOLT, Hex Head 3/8"-16 x 7/8" Gr. 5

8.8 Steer Valve

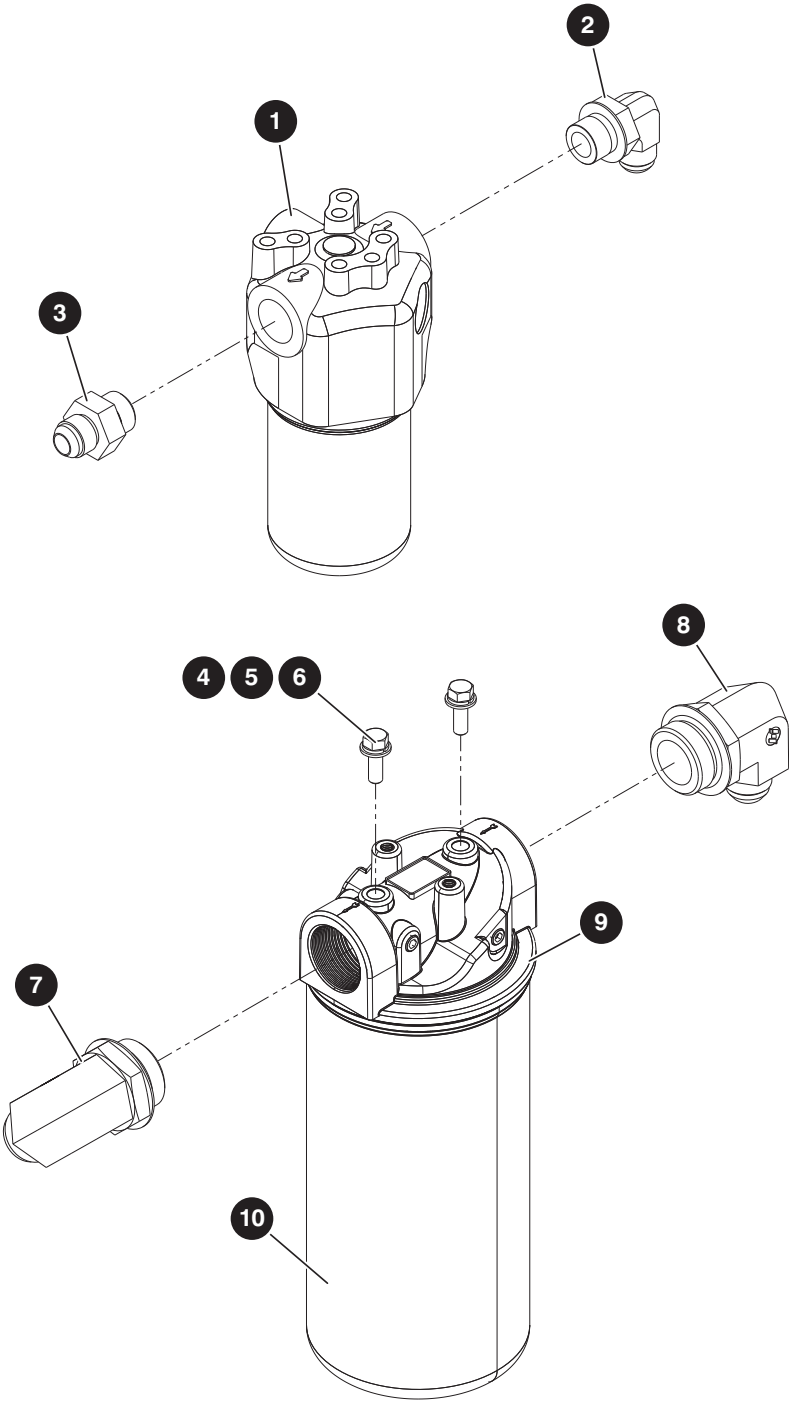


M206312AB

8.8 Steer Valve

Index No.	Skyjack Part No.	Qty.	Description
-	206312	1	STEER SELECT VALVE
1	205487	1	• VALVE, Steer base plate SJ519 TH
2	103070	1	• FITTING, Straight (06 JICM - 08 ORBM)
3	102665	3	• FITTING, 90° (06 JICM - 08 ORBM)
4	103918	4	• SCREW, Socket Head #10-24 x 1-1/4"
5	702761	1	• FITTING, 90° (06 JICM - 06 JICM)
6	205486	1	• VALVE, Steer select SJ519 TH
7	224143	2	• • COIL

8.9 Hydraulic Filters

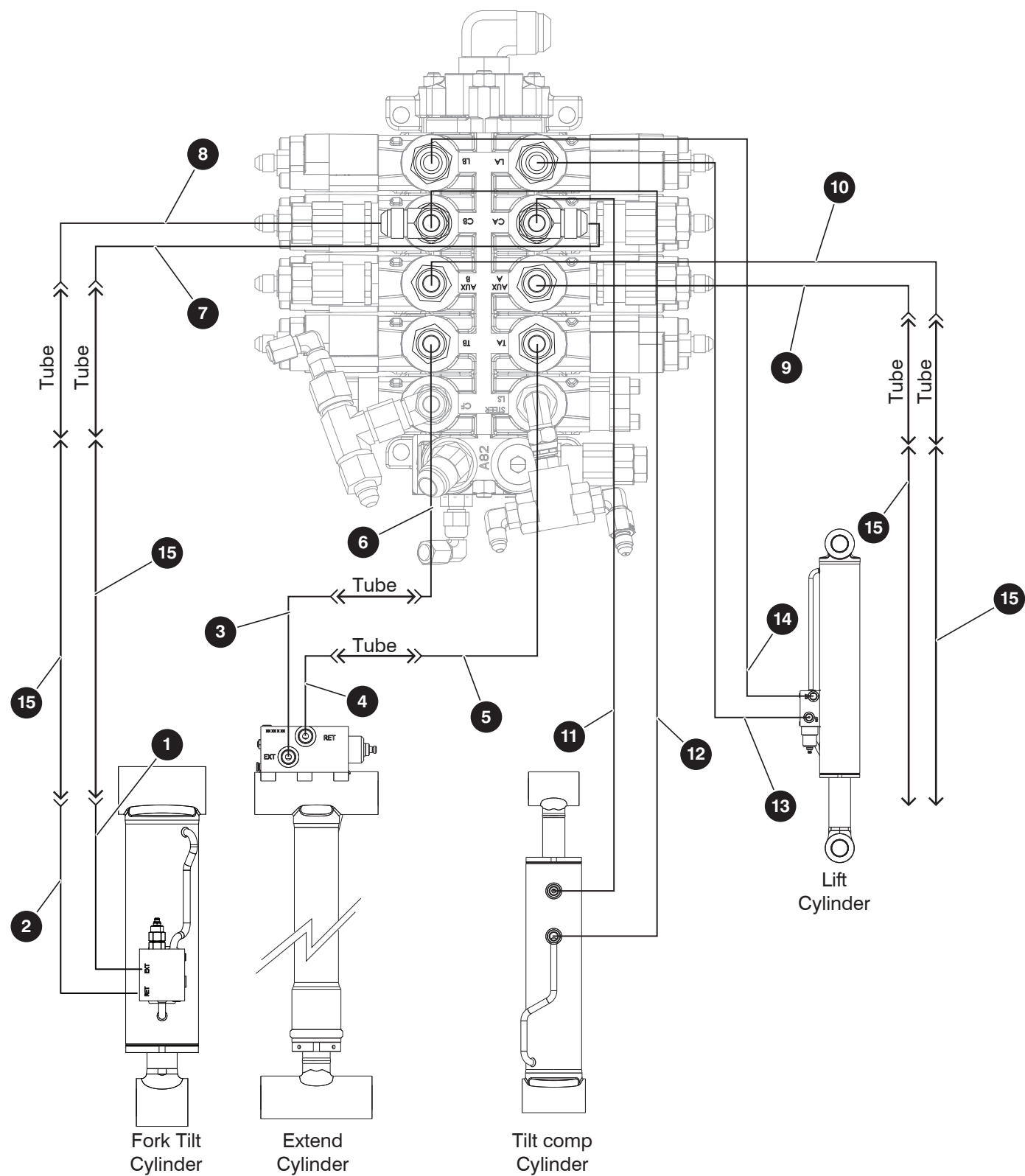


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8.9 Hydraulic Filters

Index No.	Skyjack Part No.	Qty.	Description
-	206736	1	HYDRAULIC FILTERS
1	206887	1	• FILTER, Charge
-	237354	1	• • FILTER ELEMENT, Replacement
2	138981	1	• FITTING, 90° (10 JICM - 12 ORBM)
3	137490	1	• FITTING, (12 SAE -10 JIC)
4	103864	2	• BOLT, Hex head zinc plated (5/16"-18 x 1" Gr. 5)
5	103996	2	• WASHER, Flat 5/16"
6	103404	2	• WASHER, Lock 5/16"
7	206141	1	• FITTING, 90° (16 JICM - 20 ORBM)
8	206140	1	• FITTING, 90° (12 JICM - 20 ORBM)
9	206999	1	• FILTER HEAD, 20 Ports - 25 psi bypass
10	206998	1	• FILTER ELEMENT, 10 Micron absolute

8.10 Hydraulic Hoses - Cylinders

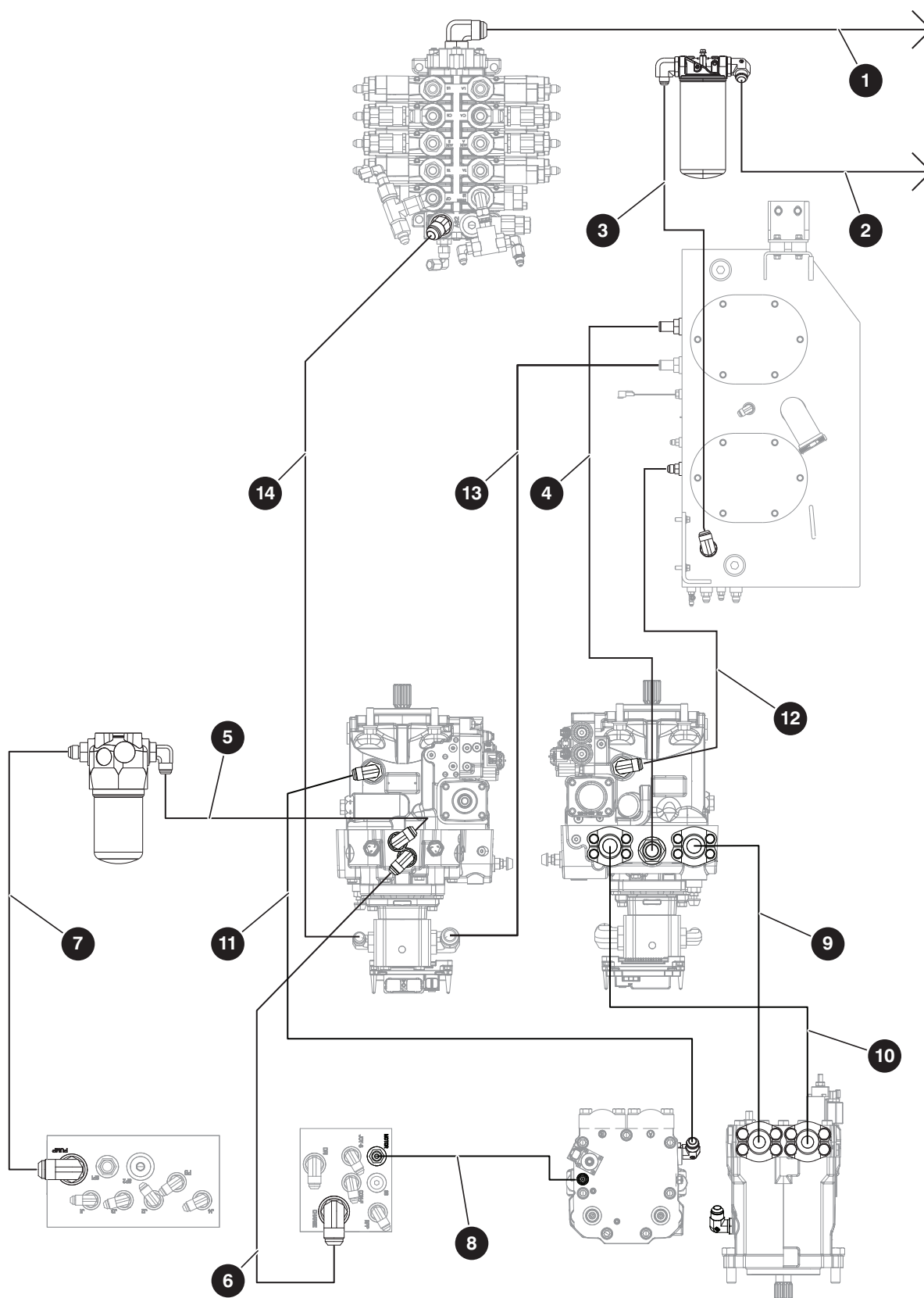


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8.10 Hydraulic Hoses - Cylinders

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H620800320	Bulkhead on fly boom (outside)		(EXT)	Fork tilt cylinder
2	H620800320	Bulkhead on fly boom (inside)		(RET)	Fork tilt cylinder
3	H640800170	6th hydraulic boom tube		EXT	Extend cylinder
4	H640800180	5th hydraulic boom tube		RET	Extend cylinder
5	H620800580	Main manifold	TA		5th hydraulic boom tube
6	H620800781	Main manifold	TB		6th hydraulic boom tube
7	H680800580	Main manifold	CA		4th hydraulic boom tube
8	H620800710	Main manifold	CB		3th hydraulic boom tube
9	H340800610	Main manifold	AUX A		2nd hydraulic boom tube
10	H340800800	Main manifold	AUX B		1st hydraulic boom tube
11	H620800183	Main manifold	CA		Tilt compensation cylinder (retract)
12	H620800243	Main manifold	CB		Tilt compensation cylinder (extend)
13	H401000530	Main manifold	LA	RET	Lift cylinder
14	H401000530	Main manifold	LB	EXT	Lift cylinder
Index No.	Skyjack Part No.	Qty.	Description		
15	(Ref.)	2	HOSE, Twin 08 JIC x 230.75" long <i>(For part number, refer to 6.2 Boom Components (S/N 87 501 431 and below), 6.3 Boom Components (S/N 87 501 432 and above))</i>		

8.11 Drive and System Pump Hoses

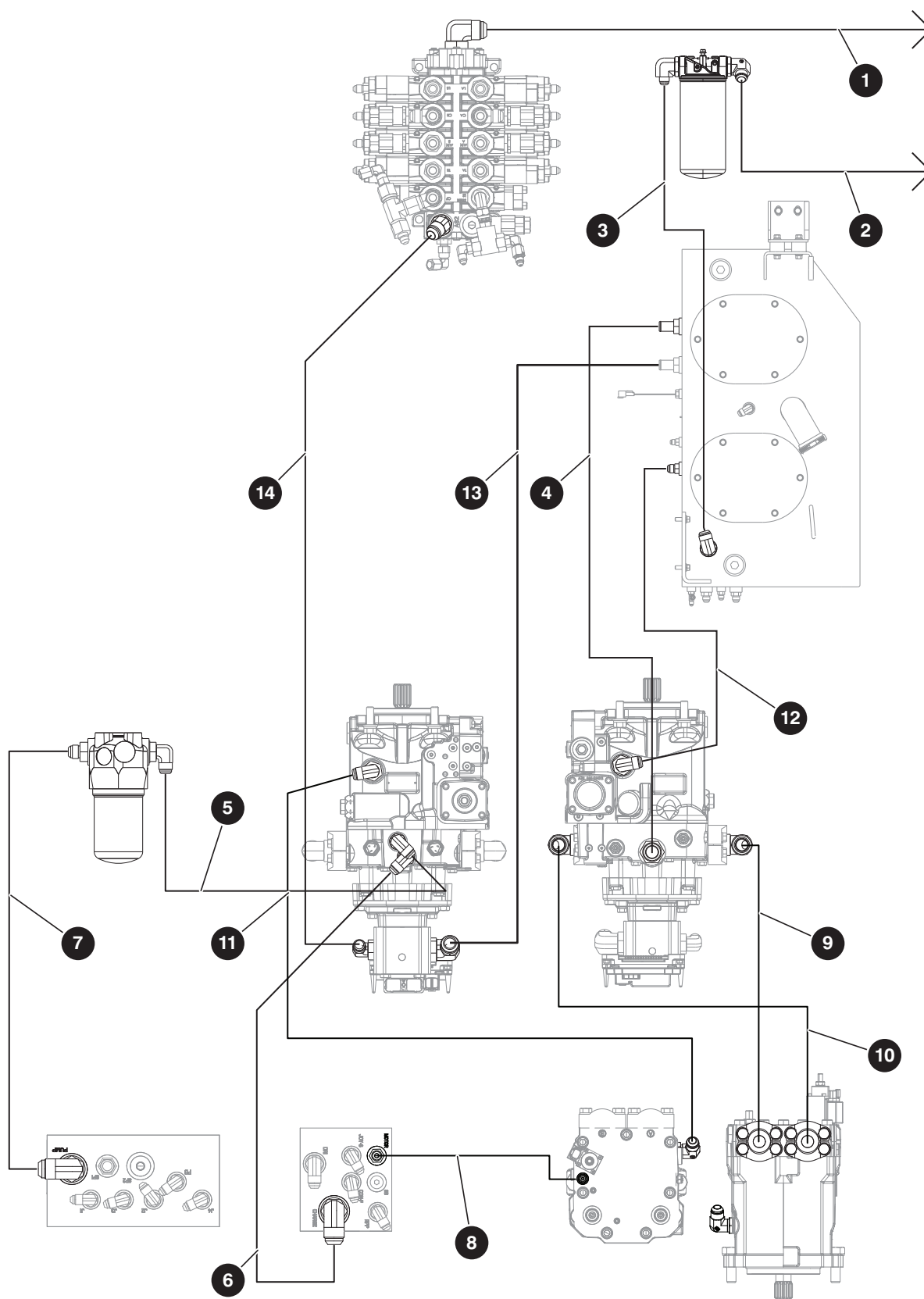


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8.11 Drive and System Pump Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	For S/N 87 500 001 - 87 500 008, 87 500 031 & up	-	-	-
1	H341200750	Cooler inlet		T	Main manifold
2	H341201022	Cooler outlet			Filter inlet
3	H311600720	Filter outlet		TOP	Hydraulic Tank (return)
4	H751600470	Drive pump - hydrostat	H		Hydraulic Tank suction
5	H311000320	Drive pump - charge	W		Charge filter inlet
6	H321000222	Drive pump - charge	M		Pilot manifold (charge)
7	H341000123	Charge filter outlet		PUMP	Pilot manifold
8	H340400410	Pilot manifold	MOTOR	E	Drive motor
9	206747	Drive motor	A	B	Drive pump
10	206896	Drive motor	B	A	Drive pump
11	H321000350	Drive pump	F	U	Drive motor
12	H341000270	Tank return		E	Drive pump
13	H761600460	System pump inlet			Hydraulic tank suction
14	H671001040	System pump outlet		P	Main manifold

8.12 Drive and System Pump Hoses

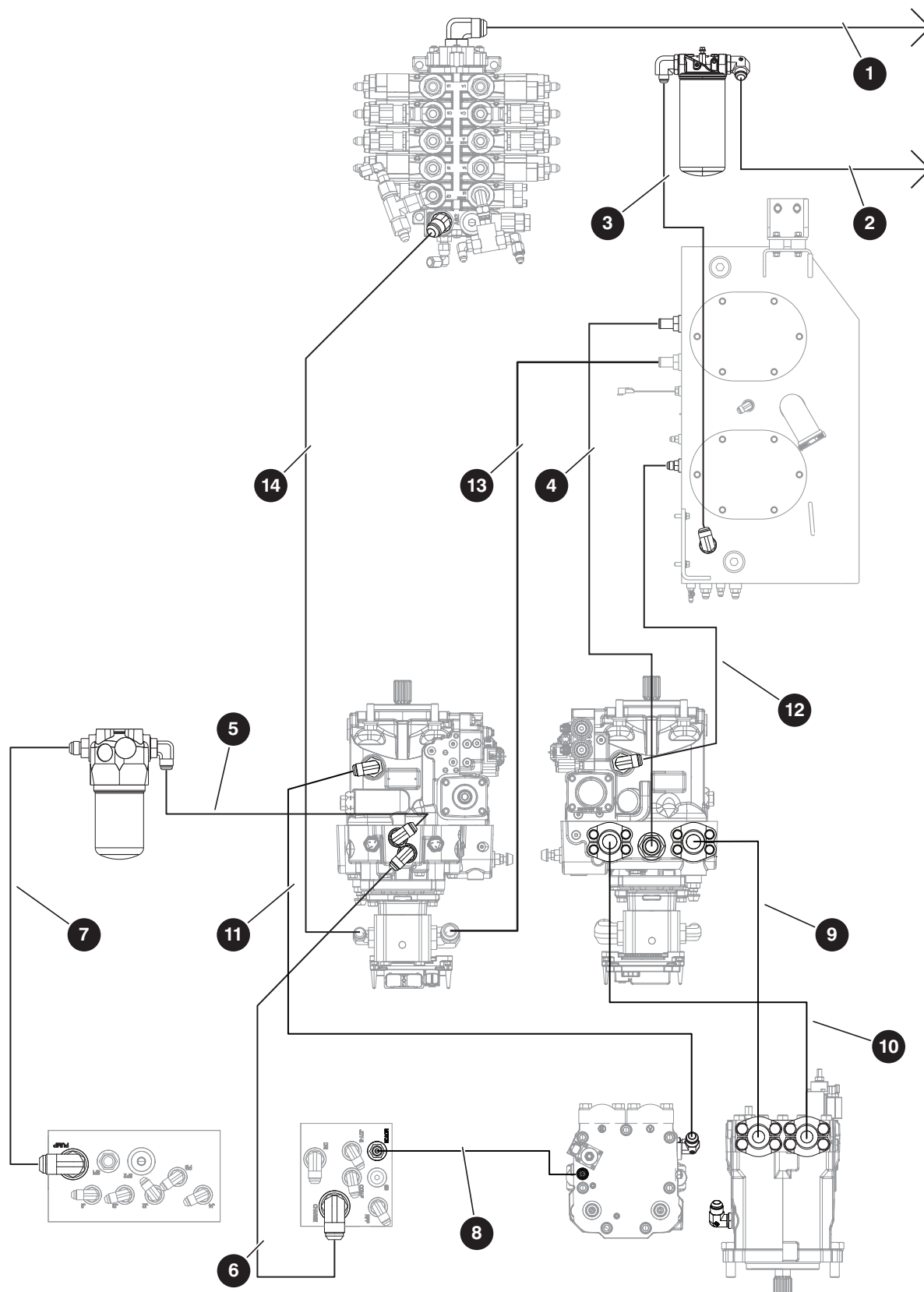


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8.12 Drive and System Pump Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	For S/N 87 500 009 - 87 500 030		-	-
1	H341200750	Cooler inlet	-	T	Main manifold
2	H341201022	Cooler outlet			Filter inlet
3	H311600720	Filter outlet		TOP	Hydraulic Tank (return)
4	H751600500	Drive pump - hydrostat	H		Hydraulic Tank suction
5	H311000270	Drive pump - charge	W		Charge filter inlet
6	H321000222	Drive pump - charge	M		Pilot manifold (charge)
7	H341000123	Charge filter outlet		PUMP	Pilot manifold
8	H340400410	Pilot manifold	MOTOR	E	Drive motor
9	221784	Drive motor	A	B	Drive pump
10	221783	Drive motor	B	A	Drive pump
11	H321000350	Drive pump	F	U	Drive motor
12	H341000270	Tank return		E	Drive pump
13	H761600460	System pump inlet			Hydraulic tank suction
14	H671001040	System pump outlet		P	Main manifold

8.13 Drive and System Pump Hoses

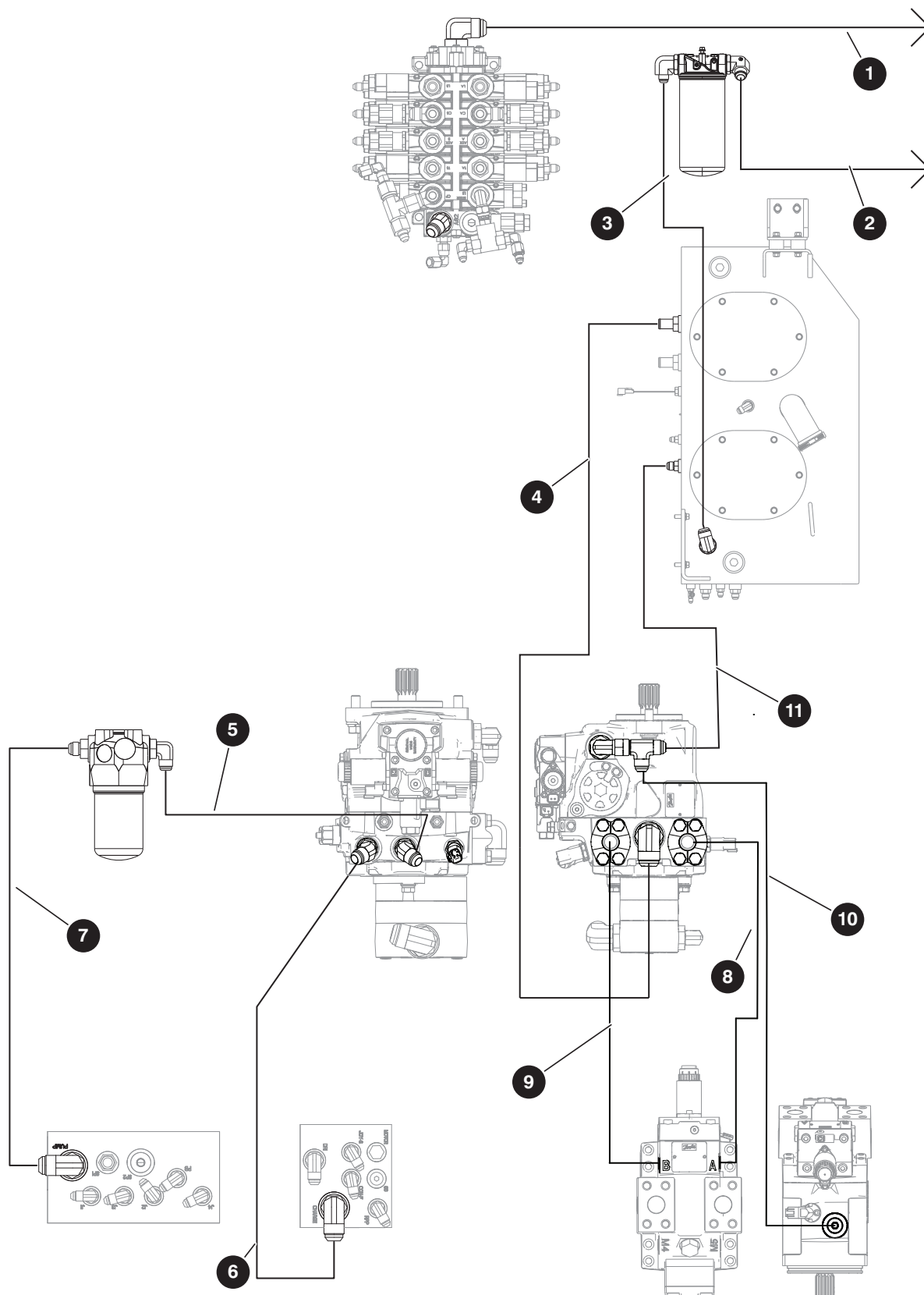


M206730AC

8.13 Drive System Pump Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	<i>For serial numbers 87 500 733 and above.</i>	-	-	-
1	H391200650	Main manifold		T	Cooler bypass
2	H381200400	Cooler outlet			Bypass valve
3	H311600720	Filter outlet		TOP	Hydraulic Tank (return)
4	H751600470	Drive pump - hydrostat	H		Hydraulic Tank suction
5	H311000320	Drive pump - charge	W		Charge filter inlet
6	H321000222	Drive pump - charge	M		Pilot manifold (charge)
7	H341000123	Charge filter outlet		PUMP	Pilot manifold
8	H340400410	Pilot manifold	MOTOR	E	Drive motor
9	206747	Drive motor	A	B	Drive pump
10	206896	Drive motor	B	A	Drive pump
11	H321000350	Drive pump	F	U	Drive motor
12	H341000270	Tank return		E	Drive pump
13	H761600460	System pump inlet			Hydraulic tank suction
14	H671001040	System pump outlet		P	Main manifold
15	H091200720	Cooler bypass			Return filter

8.14 Drive and System Pump Hoses (S/N 87 501 292 and above)

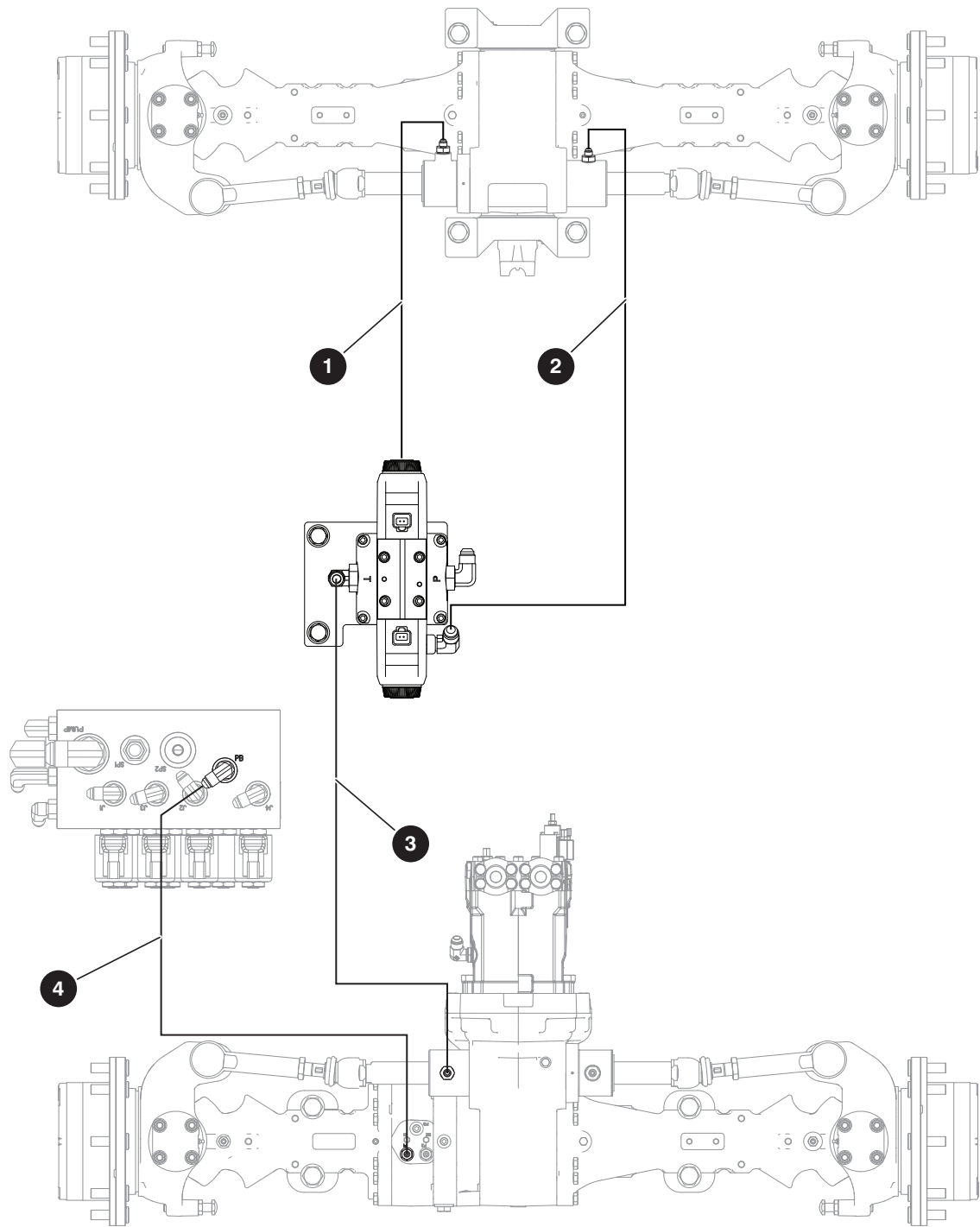


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8.14 Drive and System Pump Hoses (S/N 87 501 292 and above)

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
-	-	<i>For serial numbers 87 501 292 and above.</i>	-	-	-
1	H391200650	Main manifold		T	Cooler bypass
2	H381200400	Cooler outlet			Bypass valve
3	H311600720	Filter outlet		TOP	Hydraulic Tank (return)
4	H751600470	Drive pump - charge inlet	S		Hydraulic Tank suction
5	H311000190	Drive pump - charge	F		Charge filter inlet
6	H341000242	Drive pump - charge	E		Pilot manifold (charge)
7	H341000123	Charge filter outlet		PUMP	Pilot manifold
8	235435	Drive motor	A	A	Drive pump
9	235434	Drive motor	B	B	Drive pump
10	H341000370	Drive pump	L4	L1	Drive motor
11	H341000270	Tank return		L4	Drive pump
12	H091200720	Cooler bypass			Return filter

8.15 Steer and Brake Hoses

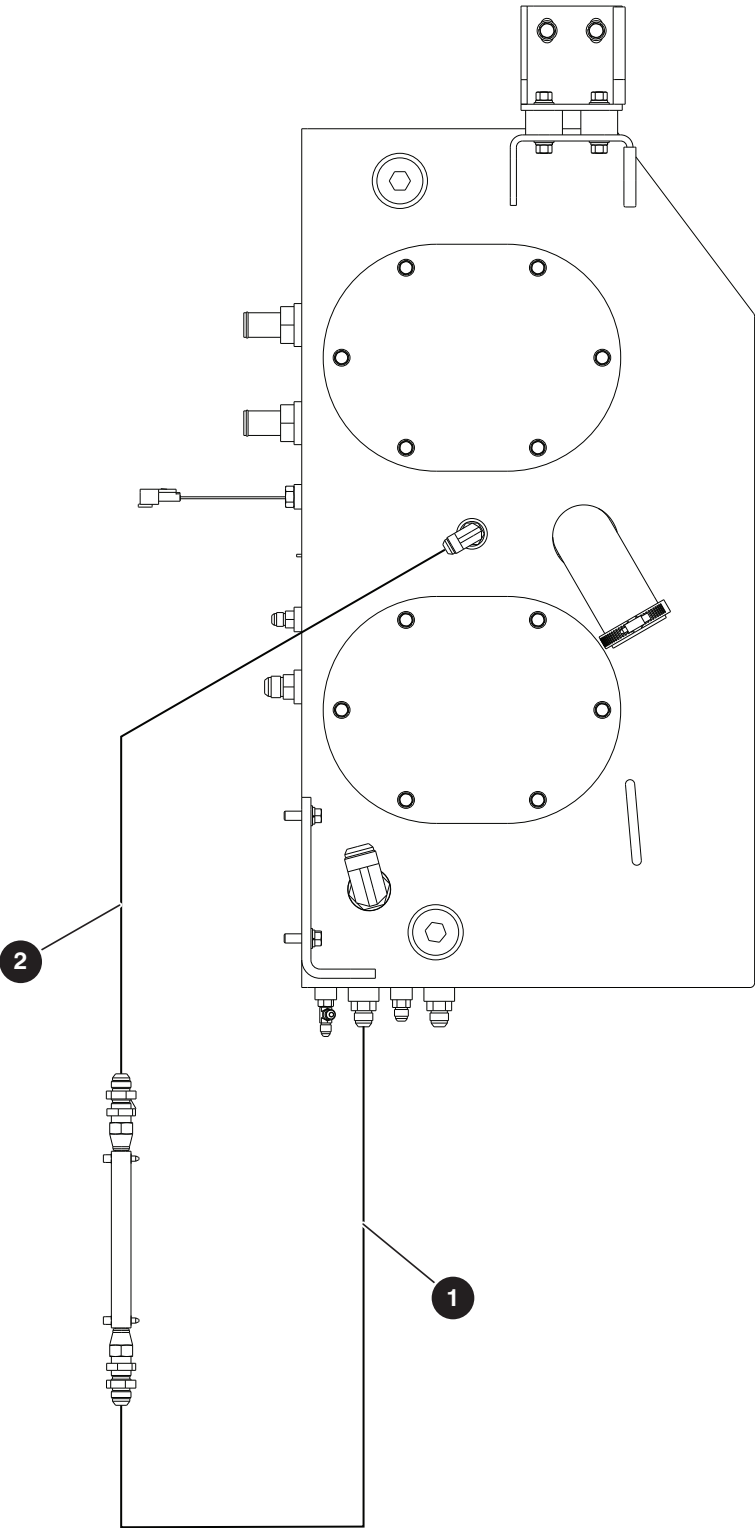


M206735AD

8.15 Steer and Brake Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H340601060	Rear steer cylinder	R	B	Steer manifold
2	H340601110	Rear steer cylinder	L	A	Steer manifold
3	H320600200	Front steer cylinder	R	T	Steer manifold
4	H340400470	Pilot manifold	PB	P1	Front axle park brake

8.16 Hydraulic Tank Oil Fill

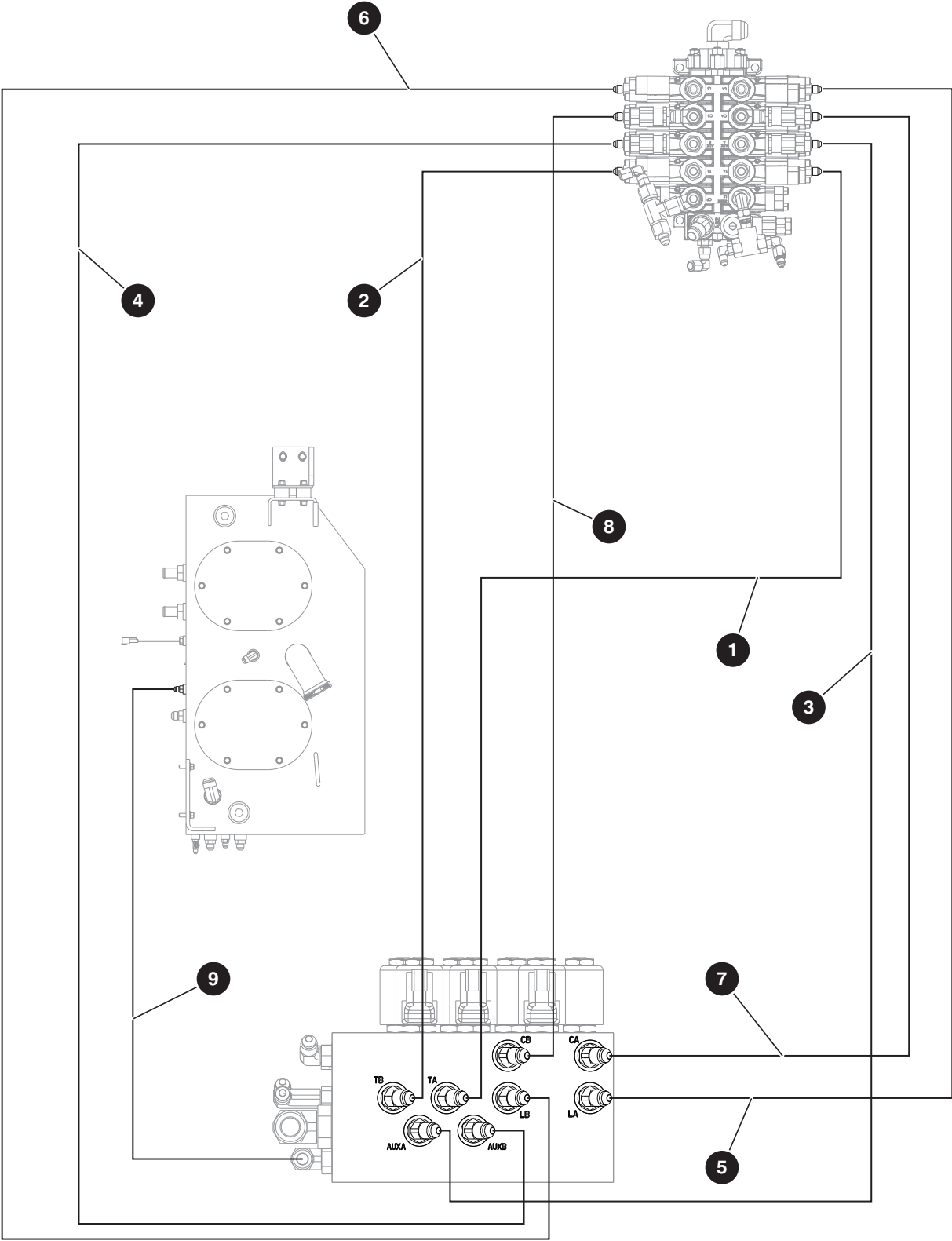


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8.16 Hydraulic Tank Oil Fill

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H340800252	Sight gauge bottom			Hydraulic tank front
2	H340800480	Sight gauge top			Hydraulic tank top

8.17 Pilot Manifold Hoses

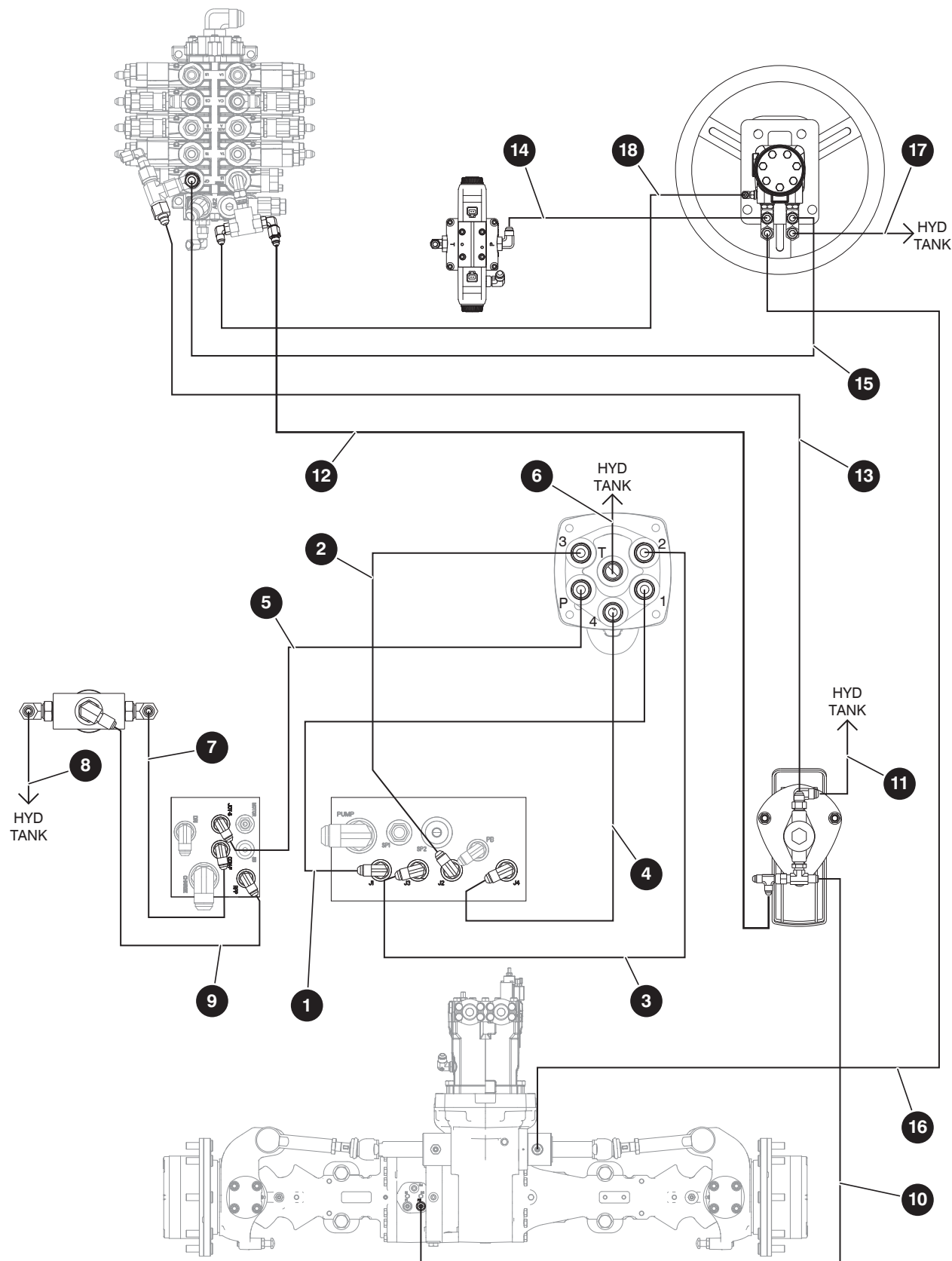


M206940AA

8.17 Pilot Manifold Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H310401040	Pilot manifold	TA	TA	Main manifold
2	H340401080	Pilot manifold	TB	TB	Main manifold
3	H310401100	Pilot manifold	AUX A	AUX A	Main manifold
4	H340401060	Pilot manifold	AUX B	AUX B	Main manifold
5	H310401060	Pilot manifold	LA	LA	Main manifold
6	H340401100	Pilot manifold	LB	LB	Main manifold
7	H340401070	Pilot manifold	CA	CA	Main manifold
8	H310401100	Pilot manifold	CB	CB	Main manifold
9	H360600472	Pilot manifold	DR1		Tank

8.18 Cab Hydraulic Hoses



M206942AD.ai

8.18 Cab Hydraulic Hoses

Index No.	Hose P/N	From		To	
		Description	Port	Port	Description
1	H310400900	Joystick	1	J1	Pilot manifold
2	H310400870	Joystick	2	J2	Pilot manifold
3	H310400900	Joystick	3	J3	Pilot manifold
4	H310400880	Joystick	4	J4	Pilot manifold
5	H310400800	Joystick	P	PP	Pilot manifold
6	H310400650	Joystick	T		Tank
7	H310400500	Aux valve	P	CON-F	Pilot manifold
8	H310400280	Aux valve	T		Tank
9	H310400480	Aux valve	RPP	RPP	Pilot manifold
10	H310400690	Brake	A	P2	Front axle
11	H310600440	Brake	T		Tank
12	H340400970	Brake	A	LS	Main manifold
13	H310601020	Brake	P	CF	Main manifold
14	H310600420	Orbital steering	R	P	Steer select valve
15	H610800980	Orbital steering	P	CF	Main manifold
16	H310600430	Orbital steering	L	L	Front axle
17	H310800540	Orbital steering	T		Tank
18	H310400980	Orbital steering	LS	LS	Main manifold

Section 9 – Standard and Optional Attachments

9.1 *Mechanical Quick Coupler*

9.2 *Hydraulic Quick Coupler*

9.3 *Standard Carriage*

9.4 *Side Tilt Carriage*

9.5 *Side Shift Carriage*

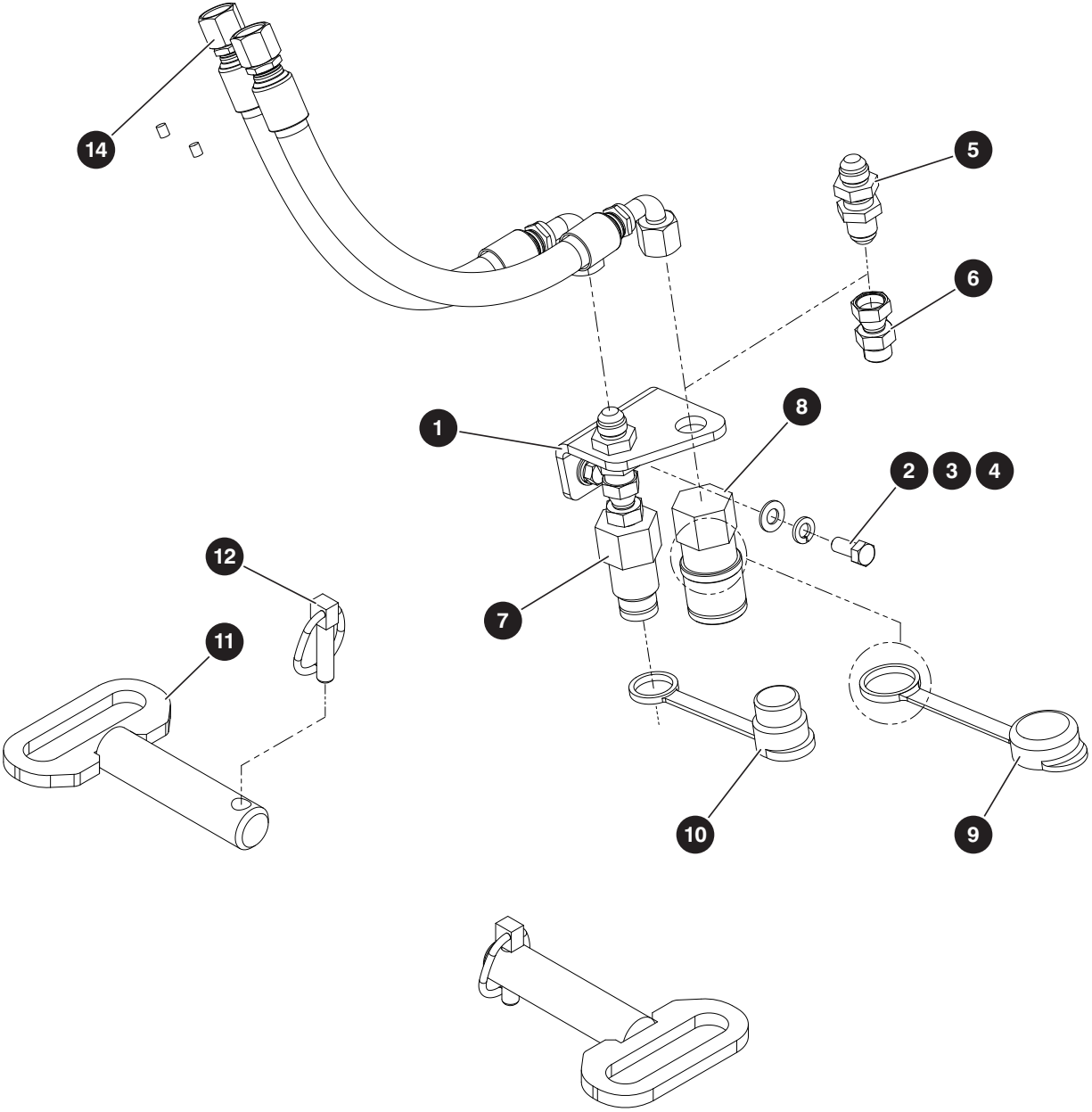
9.6 *Forks*

9.7 *Skid Steer Adapter*

9.8 *72" Trust Boom*

9.9 *1/2 Cubic Yard Bucket*

9.1 Mechanical Quick Coupler

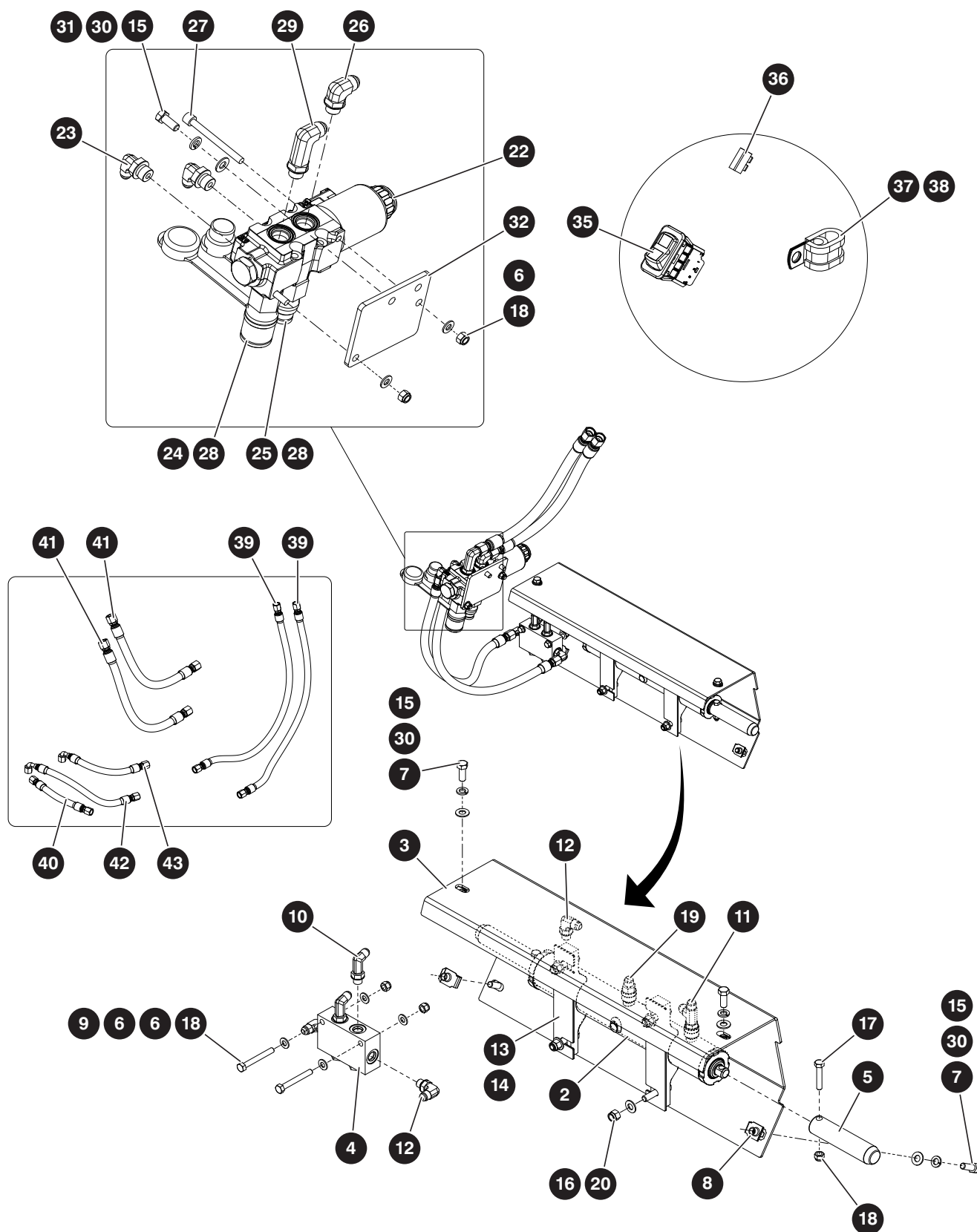


M206174AB

9.1 Mechanical Quick Coupler

Index No.	Skyjack Part No.	Qty.	Description
-	206174	1	MECHANICAL QUICK COUPLER
1	205814	1	• BRACKET, Quick connect
2	103472	2	• WASHER, Flat 3/8"
3	103999	2	• WASHER, Lock 3/8"
4	300437	2	• BOLT, Hex Head 3/8"-16 x 7/8" Gr. 5
5	702598	2	• FITTING, 08 JIC with lock nut
6	194516	2	• FITTING, Straight (08 JICF - 08 ORBM)
7	206135	1	• COUPLING, Quick disconnect-male 1/2"
8	206134	1	• COUPLING, Quick disconnect-female 1/2"
9	926079	1	• DUST CAP, Quick connect co
10	926080	1	• DUST CAP, Quick connect ni
11	205836	2	• PIN, Hitch connect
12	923135	2	• PIN, Lynch 7/16" dia x 1-3/4" long
13	140914	30	• SLEEVE, Nylon hose protection HG-28
14	H340800170	2	• HOSE, Hydraulic - H34 (0.50 / 100R17 * 17 LG)

9.2 Hydraulic Quick Coupler

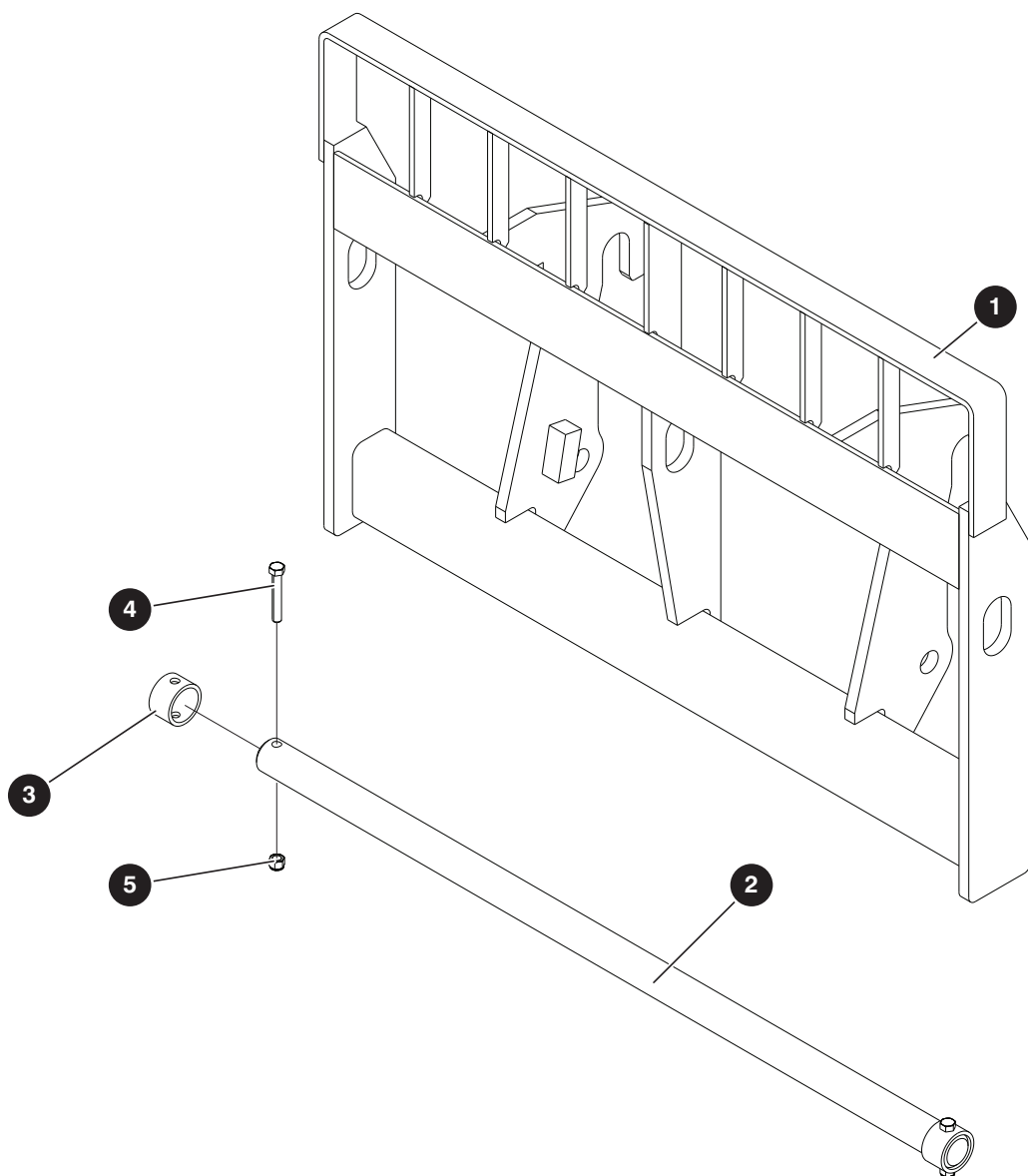


M206175AB

9.2 Hydraulic Quick Coupler

Index No.	Skyjack Part No.	Qty.	Description
-	206175	1	HYDRAULIC QUICK COUPLER
1	206171	1	• HARNESS, Diverter valve (not shown)
2	205964	1	• CYLINDER, Quick attach - SJ519 TH
3	206118	1	• COVER, Quick attach
4	205279	1	• VALVE, Double PO check steel
5	206103	2	• PIN, Quick attach
6	103996	10	• WASHER, Flat 5/16"
7	103864	4	• BOLT, Hex head (5/16"-18 x 1" Gr. 5)
8	159294	4	• NUT, Speed clip 3/8"-16
9	103884	2	• BOLT, Hex Head 5/16"-18 x 2-1/2" Gr. 5
10	139104	2	• FITTING, 90° long (06 JICM - 06 ORBM)
11	114581	1	• FITTING, Run tee (06 JICM - 06 ORBM - 06 JICM)
12	114578	3	• FITTING, 90D 06JICM06ORBM
13	205462	2	• SHIM, 0.36" Quick attach
14	205461	2	• SHIM, 0.060" Quick attach
15	103472	10	• WASHER, Flat 3/8"
16	103871	4	• BOLT, Hex Head 3/8"-16 x 1-3/4" Gr. 5
17	103885	2	• BOLT, Hex Head 5/16"-18 x 1-3/4" Gr. 5
18	103984	6	• NUT, Lock with nylon insert 5/16"-18 Gr. 5
19	103069	1	• FITTING, Straight (06 JICM - 06 ORBM)
20	104606	4	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
21	140914	239	• SLEEVE, Nylon hose protection HG-28
22	205616	1	• VALVE, Diverter SJ519 TH
	224144	1	• • COIL
23	102665	2	• FITTING, 90° (06 JICM - 08 ORBM)
24	206135	1	• COUPLING, Quick disconnect-male 1/2"
25	206134	1	• COUPLING, Quick disconnect-female 1/2"
26	114583	1	• FITTING, 90° (08 JICM - 08 ORBM)
27	191119	2	• SCREW, Socket Head, 5/16"-18 x 3-1/4"
28	205967	2	• FITTING, Straight (08 ORBM - 08 ORBM)
29	702798	1	• FITTING, 90° LL (08 JICM - 08 ORBM)
30	103999	2	• WASHER, Lock 3/8"
31	300437	2	• BOLT, Hex Head 3/8"-16 x 7/8" Gr. 5
32	205815	1	• BRACKET, Diverter mount
33	926079	1	• DUST CAP, Quick connect CO
34	926080	1	• DUST CAP, Quick connect NI
35	206757	1	• SWITCH, Quick attach ON/OFF
36	156203	1	• FUSE, ATO, 10 A
37	102972	1	• CLAMP, Loop cushion double (G08)
38	931964	1	• CLAMP, Tube (3/8")
39	H310600290	2	HOSE HYDR - H31 (0.38 / 100R17 * 29 LG)
40	H610600092	1	HOSE HYDR - H61 (0.38 / 100R16 * 9.5 LG)
41	H310800190	2	HOSE HYDR - H31 (0.50 / 100R17 * 19 LG)
42	H620600150	1	HOSE HYDR - H62 (0.38 / 100R16 * 15 LG)
43	H620600112	1	HOSE HYDR - H62 (0.38 / 100R16 * 11.5 LG)

9.3 Standard Carriage

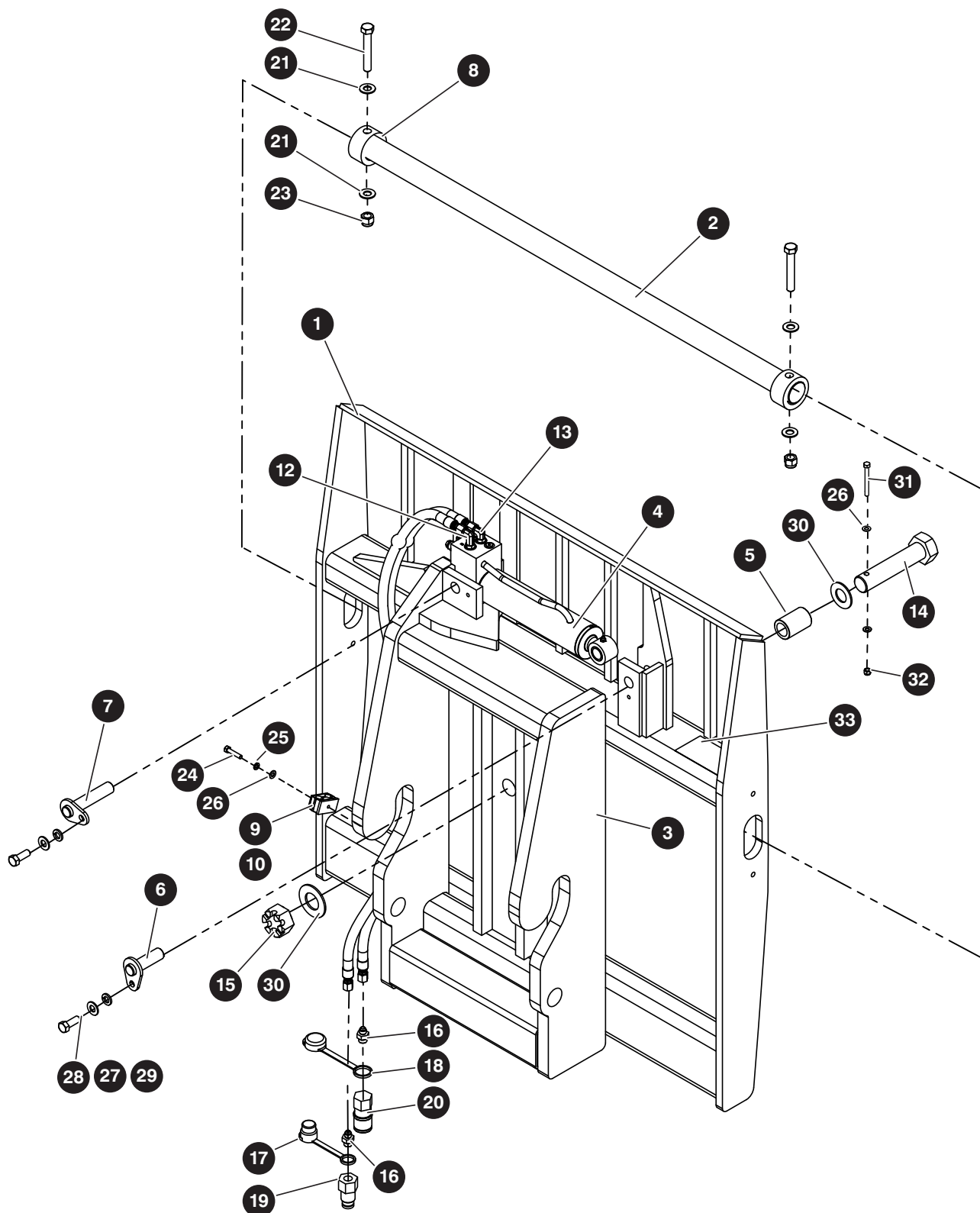


M205228AA

9.3 Standard Carriage

Index No.	Skyjack Part No.	Qty.	Description
A	205228	1	STANDARD CARRIAGE 48"
B	240335	1	STANDARD CARRIAGE 48" (Skyjack)
1	240336	1	• WELDMENT, Standard carriage 48" B
2	240326	1	• BAR, Forks 48" B
3	198937	2	• COLLAR, Fork bar 2" B
4	192219	2	• BOLT, Hex head (5/8"-11 x 4" gr.8) B
5	111577	2	• NUT, Lock (5/8"-11 gr.5) B

9.4 Side Tilt Carriage

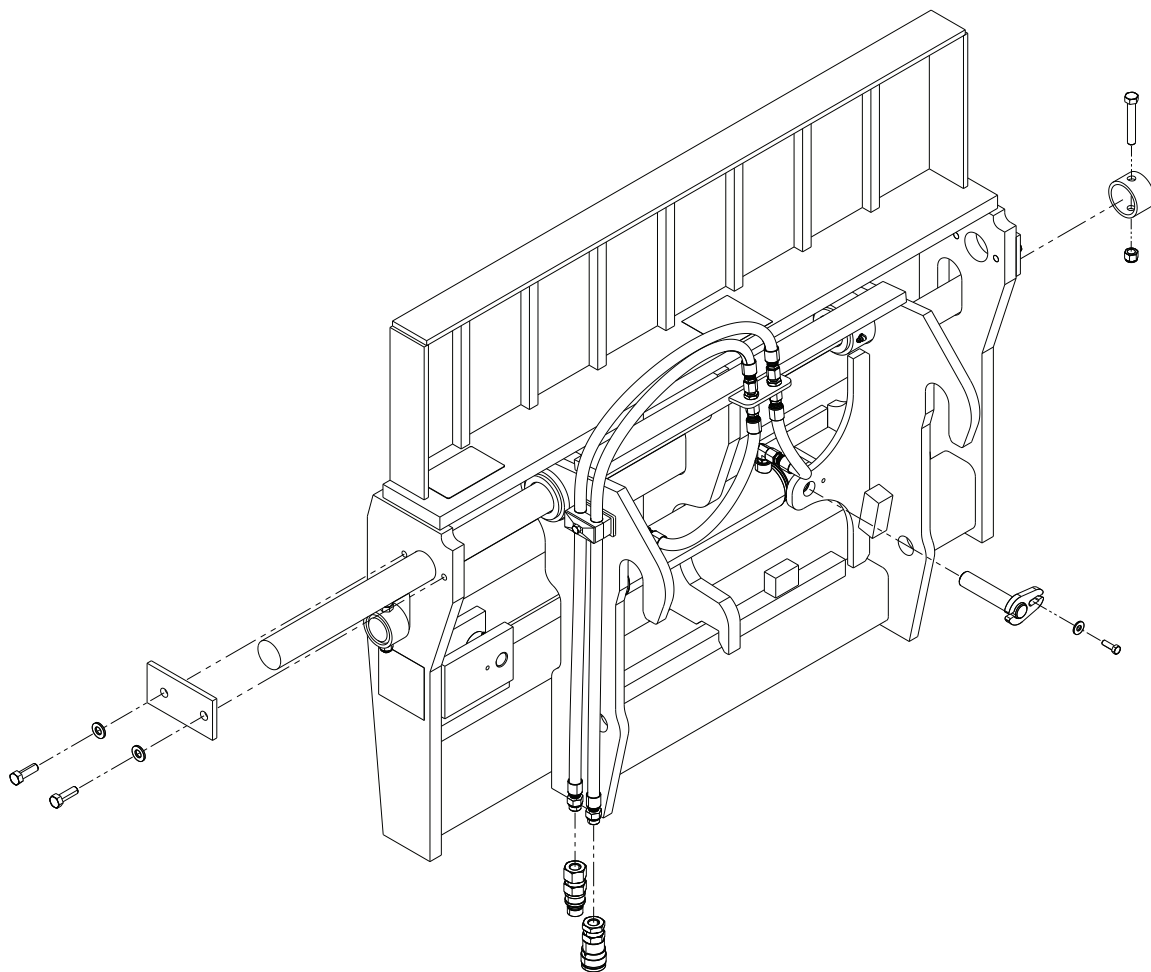


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9.4 Side Tilt Carriage

Index No.	Skyjack Part No.	Qty.	Description
A	205239	1	SIDE TILT CARRIAGE 48"
B	240325	1	SIDE TILT CARRIAGE 48" (Skyjack)
1	240311	1	• WELDMENT, Front carriage 10K 48" - B
2	240326	1	• BAR, Forks 48" - B
3	240321	1	• WELDMENT, Rear frame B
4	257385	1	• CYLINDER, Hydraulic B
5	240334	1	• BUSHING, Hinge B
6	240329	1	• WELDMENT, Pin (1" x 3.563 LG) B
7	240332	1	• WELDMENT, Pin (1" x 5.25 LG) B
8	198937	2	• COLLAR, Fork bar (2") B
9	933048	1	• CLAMP B
10	932668	1	• PLATE, Cover B
11	103513	1	• NIPPLE, Grease (1/4"-28) B
12	139104	1	• FITTING, 90° (06 JICM - 06 ORBM) B
13	233080	1	• FITTING, Orifice B
14	240172	1	• BOLT, Hex head (1.5"-12 x 7" Grade 8) B
15	240173	1	• NUT, Castle (1 1/2"-12) B
16	103070	2	• FITTING, Straight (06 JICM - 08 ORBM) B
17	926080	1	• CAP, Quick connect dust nipple B
18	926079	1	• CAP, Quick connect dust coupler B
19	206135	1	• COUPLING, Quick disconnect nipple B
20	206134	1	• COUPLING, Quick disconnect (Flat-Faced) B
21	700782	1	• WASHER, Flat (5/8") B
22	192219	2	• BOLT, Hex head (5/8"-11 x 4" Grade 8) B
23	111577	2	• NUT, Lock (5/8"-11 Grade 5) B
24	112532	1	• BOLT, Hex head (0.312"-18 x 1.25" Grade 5) B
25	103404	1	• WASHER, Lock (0.312") B
26	103996	3	• WASHER, Flat (0.312") B
27	103472	2	• WASHER, Flat (3/8") B
28	207298	2	• BOLT, Hex head (3/8"-16 x 1" Grade 8) B
29	103999	2	• WASHER, Lock (3/8") B
30	240174	2	• WASHER, Flat (1.5") B
31	103867	1	• BOLT, Hex head (0.31"-18 x 3" Grade 5) B
32	103984	1	• NUT, Lock (0.313"-18 Grade 5) B
33	172659	1	• NAMEPLATE, Serial number B

9.5 Side Shift Carriage

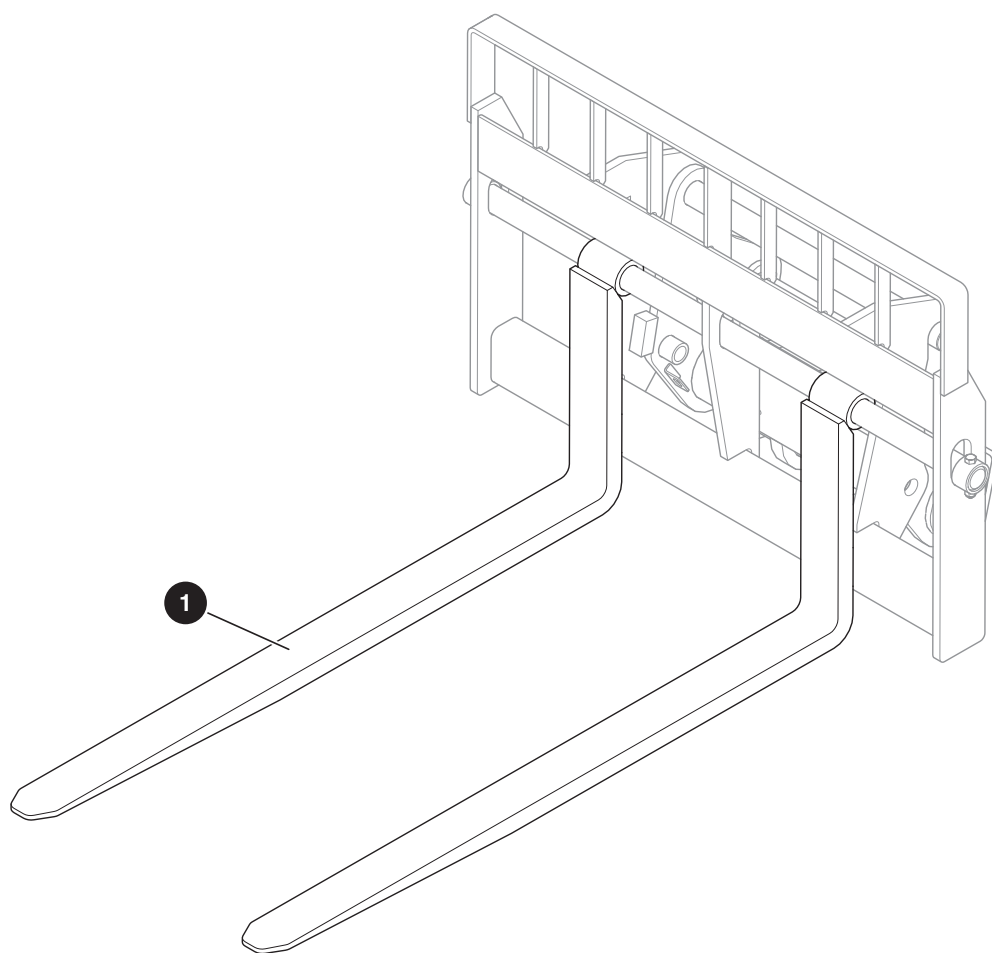


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9.5 Side Shift Carriage

Index No.	Skyjack Part No.	Qty.	Description
1	205240	1	SIDE SHIFT CARRIAGE 48"

9.6 Forks

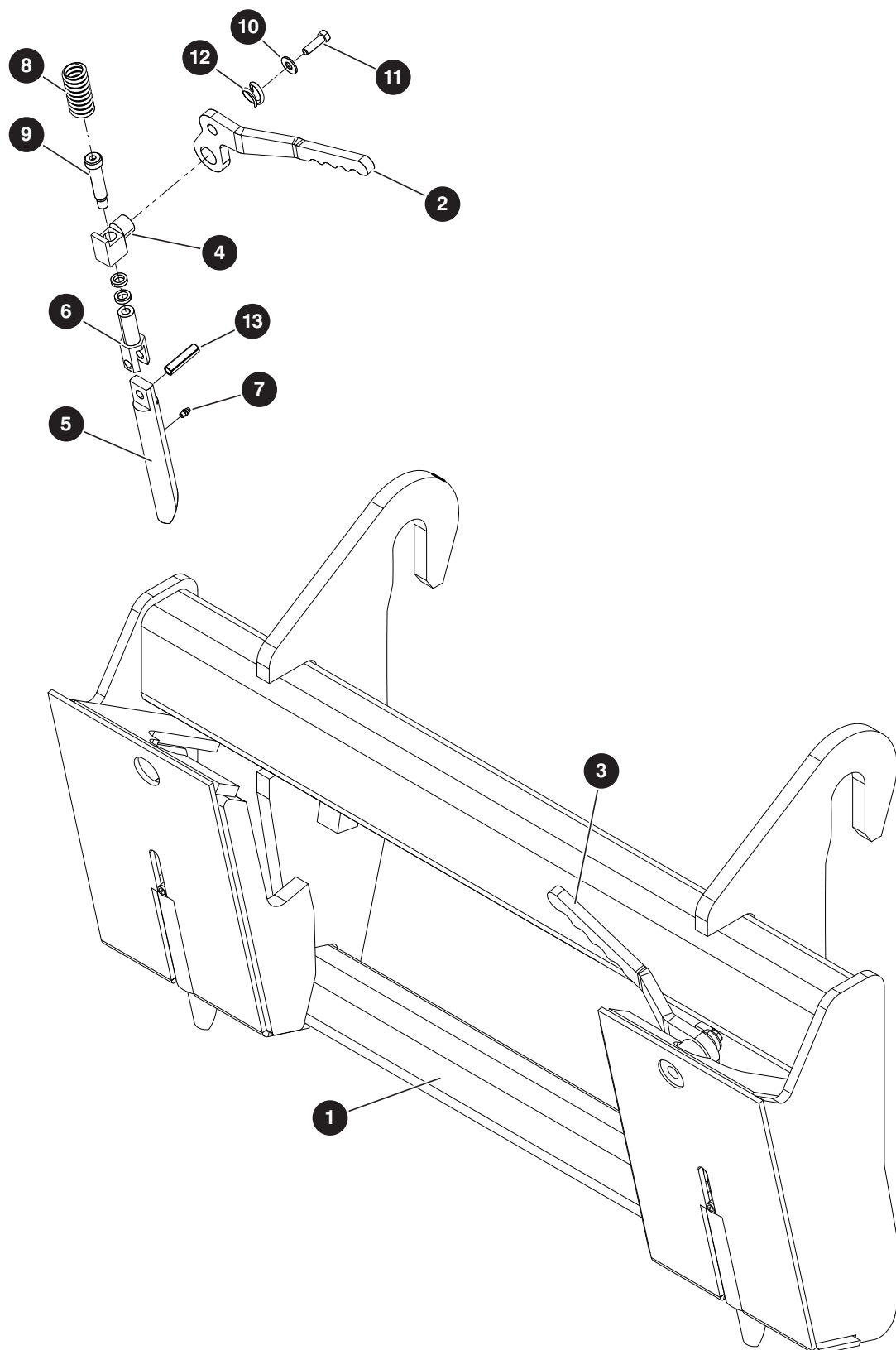


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9.6 Forks

Index No.	Skyjack Part No.	Qty.	Description
A	206867	1	FORKS, 1.57 x 3.94 x 48 pallet, subgroup
B	206868	1	FORKS, 1.57 x 3.94 x 60 pallet, subgroup
C	206869	1	FORKS, 1.57 x 3.94 x 48 tapered, subgroup
D	206870	1	FORKS, 1.97 x 1.57 x 48 block, subgroup
1	206298	2	• FORK, 1.57 x 3.94 x 48 pallet - A
-	206299	2	• FORK, 1.57 x 3.94 x 60 pallet - B
-	206300	2	• FORK, 1.57 x 3.94 x 48 tapered lumber - C
-	206301	4	• FORK, 1.97 x 1.57 x 48 block - D

9.7 Skid Steer Adapter

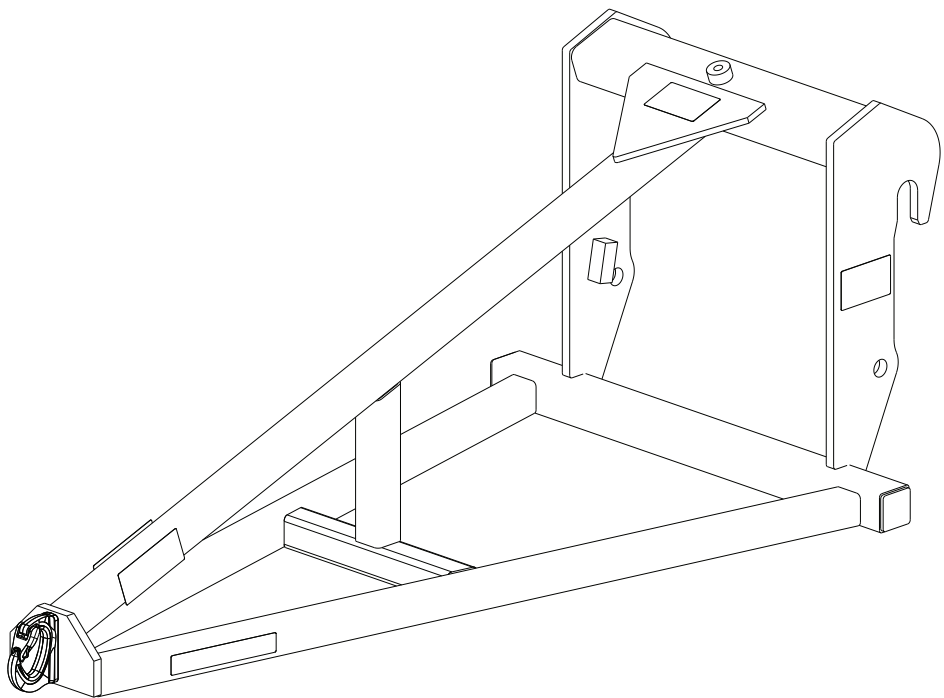


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9.7 Skid Steer Adapter

Index No.	Skyjack Part No.	Qty.	Description
-	240803	1	SKID STEER ADAPTOR
1	240804	1	• WELDMENT, Skid steer adapter
2	240823	1	• HANDLE, Skid steer - left
3	240824	1	• HANDLE, Skid steer - right
4	240812	2	• GUIDE, Connector block
5	240807	2	• PIN, Locking
6	240808	2	• CLEVIS, Lock pin
7	103513	2	• NIPPLE, Grease (1/4"-28)
8	240820	2	• WIRE, Piano - spring
9	240756	2	• SCREW, Hex socket (5/8" x 2 1/4")
10	152200	2	• WASHER, Flat (3/8")
11	101297	2	• BOLT, Hex head (3/8"-16 x 1 1/4" G5)
12	240822	2	• WIRE, Piano - spring
13	240770	2	• PIN, Steel slotted

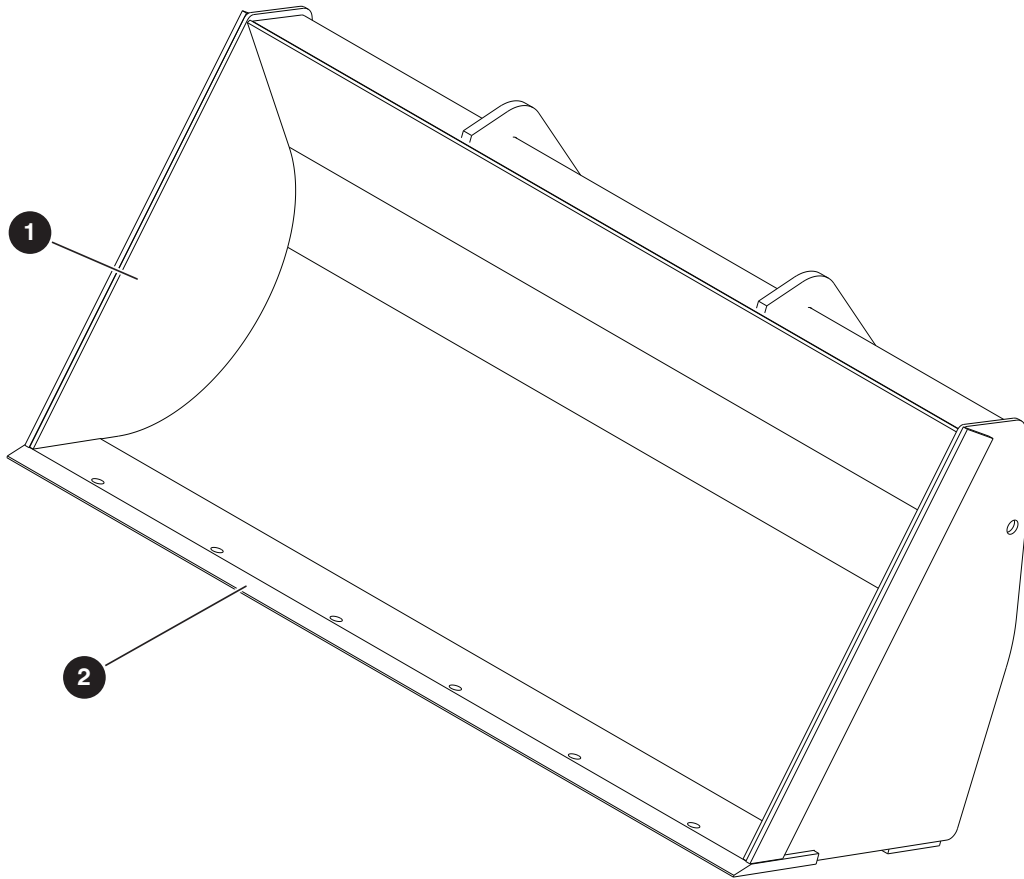
9.8 72" Truss Boom



M206855AA

Index No.	Skyjack Part No.	Qty.	Description
1	206855	1	TRUSS BOOM, 72" 2000 LB

9.9 1/2 Cubic Yard Bucket



M206856AA

Index No.	Skyjack Part No.	Qty.	Description
1	206125	1	BUCKET, 1/2 CU YD 66"
2	232525	1	• BAR, Scraper
-	240872	6	• • BOLT, PLOW (0.75-10 X 2.5 GR 5 BLK OX)
-	240873	6	• • NUT, HEX - FLANGE SER (0.75-10 GR 8)
-	240874	1	• • BAR, DBF (0.75" X 8" X 66")

Section 10 – Factory Options

10.1 *Road Lights*

10.2 *Boom and Work Lights*

10.3 *Work Lights*

10.4 *Beacon Light*

10.5 *Four Wheel Fenders*

10.6 *Backup Camera and Sensor*

10.7 *Backup Sensor*

10.8 *Potentiometer*

10.9 *Positive Air Shutoff*

10.10 *Air Conditioner - S/N 87 500 732 and below*

10.11 *Air Conditioner Harness - S/N 87 500 733 and above*

10.12 *A/C Compressor*

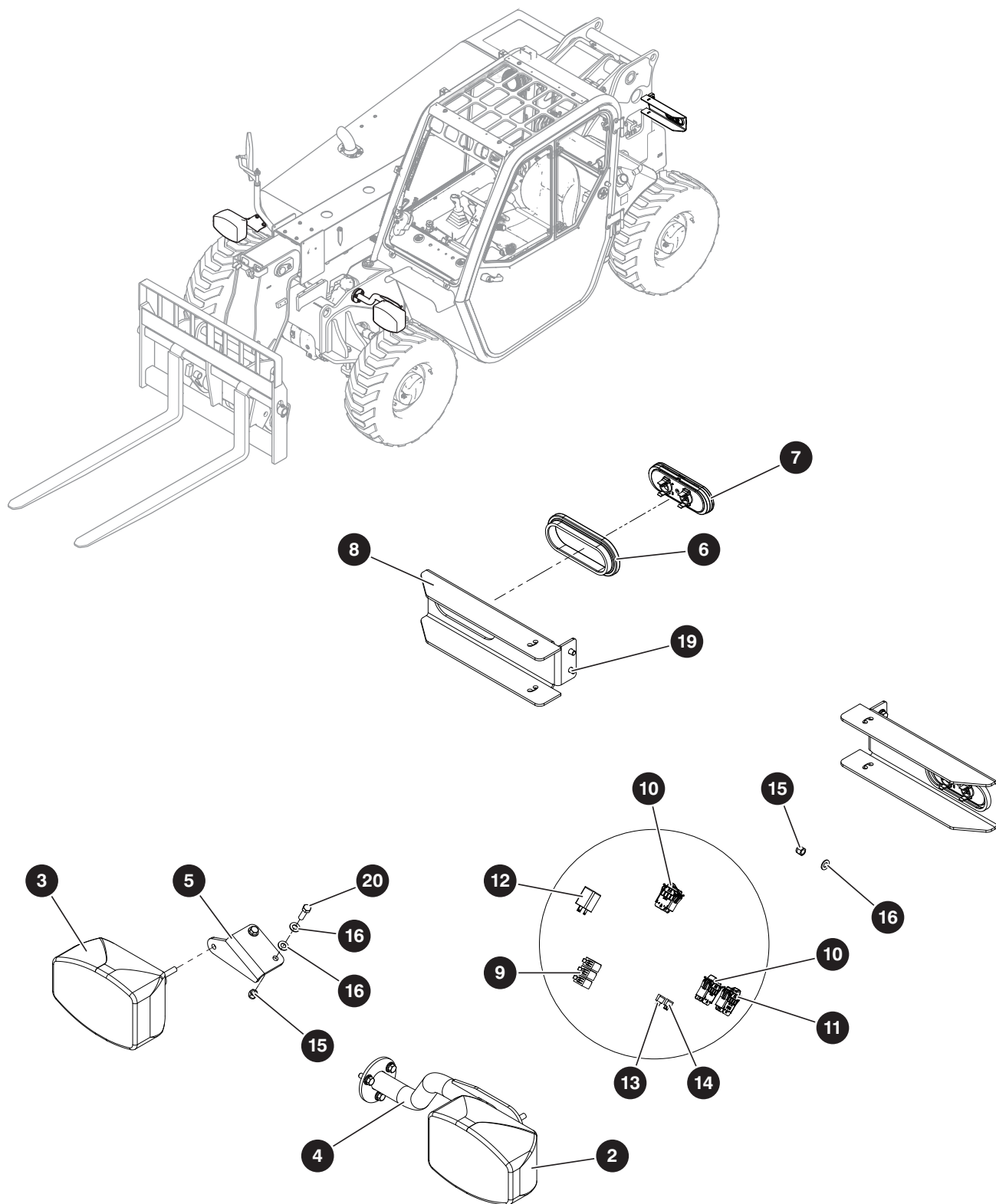
10.13 *A/C Condensor - S/N 87 500 733 and above*

10.14 *Fire Extinguisher Bracket*

10.15 *Service Convenience Kit*

10.16 *Cold Weather Package*

10.1 Road Lights

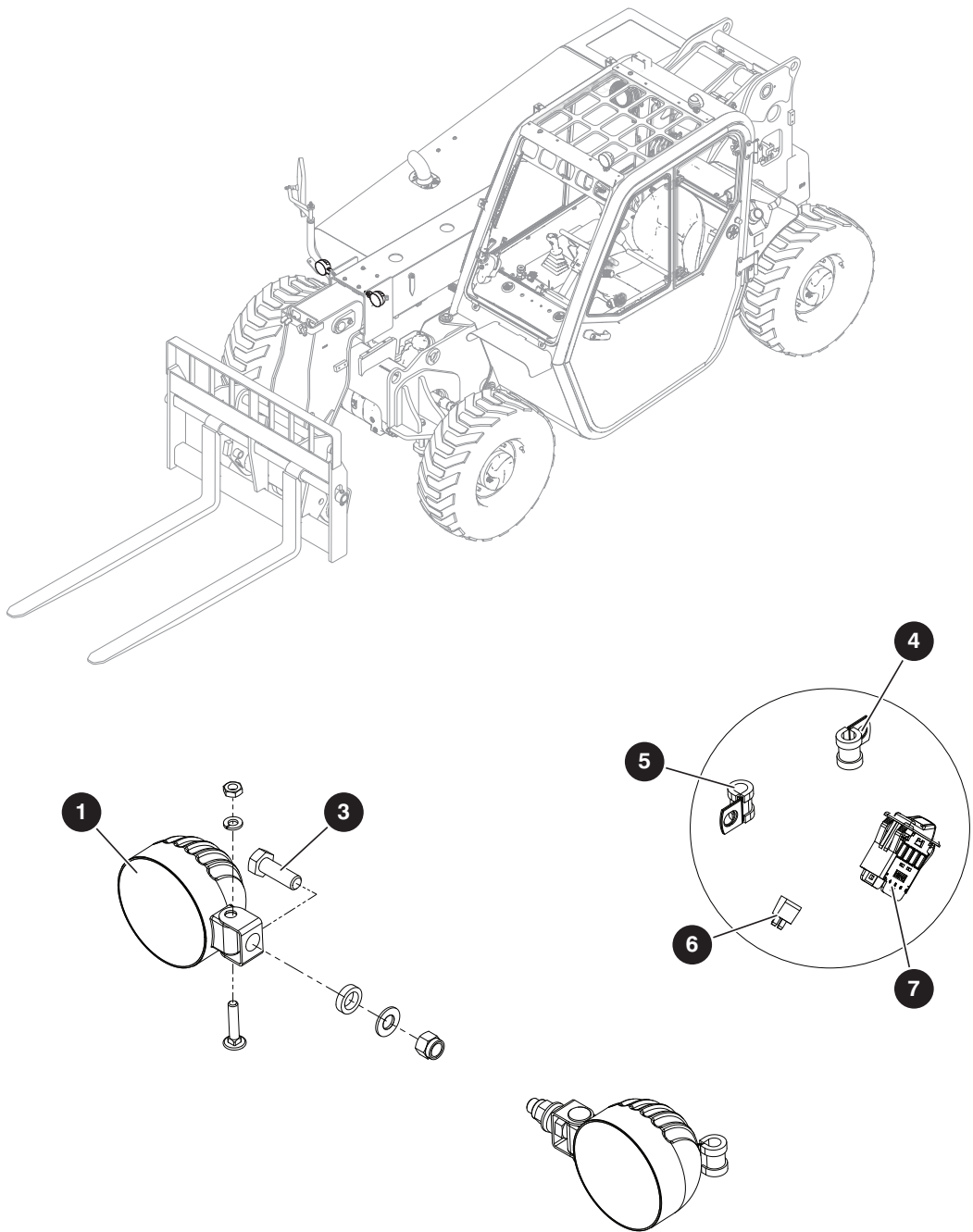


M206203AC

10.1 Road Lights

Index No.	Skyjack Part No.	Qty.	Description
-	224064	1	ROAD LIGHTS
1	206205	1	• HARNESS, Road light
2	190596	1	• LIGHTS, Road front left hand
3	196380	1	• LIGHTS, Road front right hand
4	206306	1	• SUPPORT, Roadlight left hand
5	206621	1	• BRACKET, Roadlight right hand
6	191758	2	• GROMMET, Oval lamp
7	190578	2	• LIGHT, Stop/tail/turn/backup
8	191488	2	• BRACKET, Roadlight rear
9	233301	3	• RELAY
10	191457	2	• SWITCH, Rocker
11	191455	1	• SWITCH, Boomlight/haz-posi
12	925386	1	• FLASHER
13	156202	1	• FUSE, ATO, 5 A
14	156204	1	• FUSE, ATO, 15 A
15	104606	3	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
16	103472	12	• WASHER, Flat 3/8"
17	103999	7	• WASHER, Lock 3/8"
18	103473	3	• BOLT, Hex head zinc plated (3/8"-16 x 1" Gr. 5)
19	101632	4	• BOLT, Hex head zinc plated (3/8"-16 x 3/4" Gr. 5)
20	101297	2	• BOLT, Hex head zinc plated (3/8"-16 x 1-1/4" Gr. 5)
21	223625	1	• INSTRUCTIONS, Road Light Installation

10.2 Boom and Work Lights

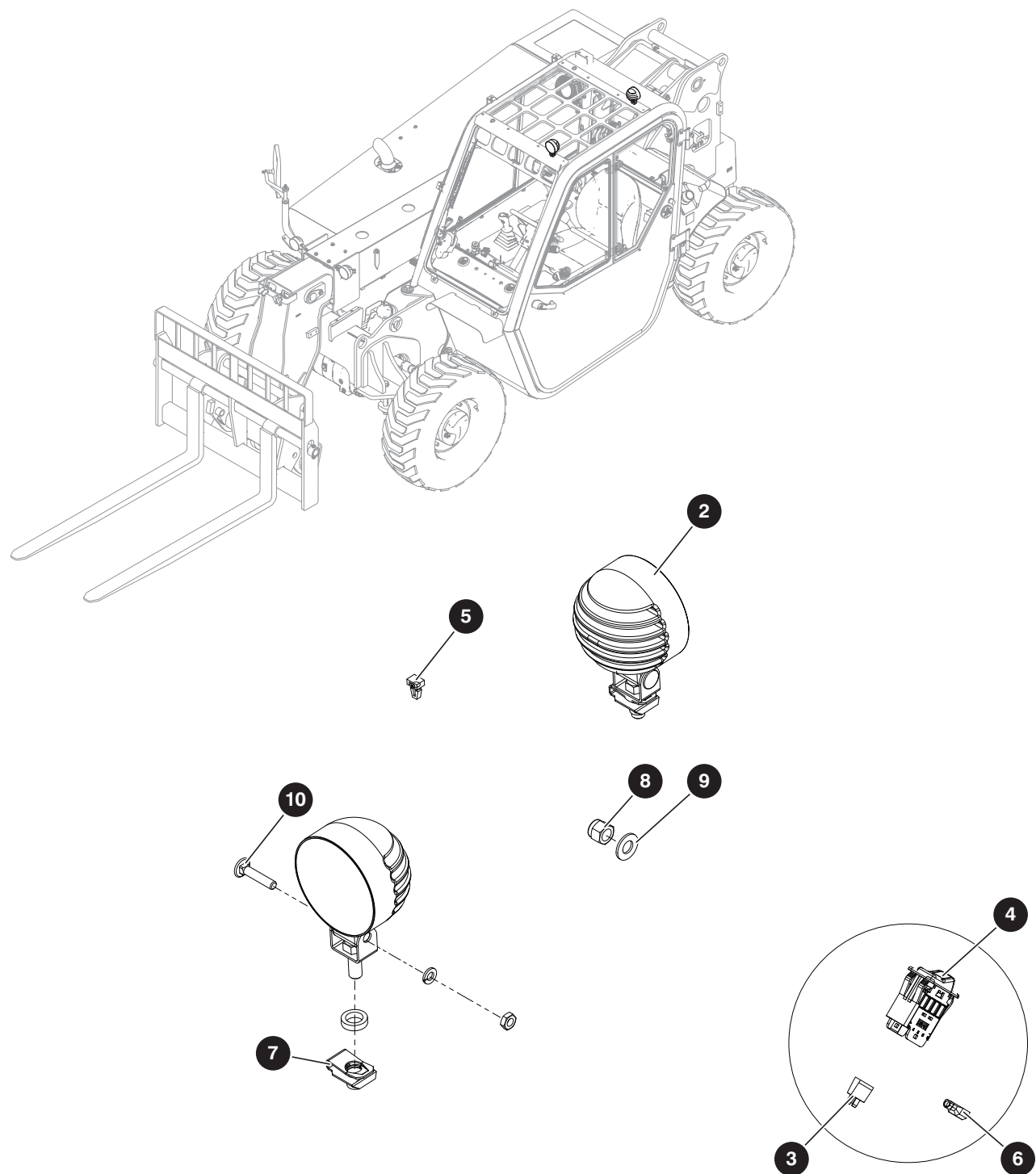


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10.2 Boom and Work Lights

Index No.	Skyjack Part No.	Qty.	Description
-	224065	1	BOOM LIGHTS
1	171888	2	• WORK LAMP
2	206206	1	• HARNESS, Boom lights (not shown)
3	115745	2	• BOLT, Hex Head M10 x 1.5 x 30 mm CL 8.8 ZP
4	931964	1	• CLAMP, Tube (3/8")
5	206740	2	• CLAMP, Loop cushion single (G6) - 3/8" bolt
6	156203	1	• FUSE, ATO, 10 A
7	191455	1	• SWITCH, Boom light - hazard- posi air
8	223626	1	• INSTRUCTIONS, Boom lights Installation (Not shown)

10.3 Work Lights

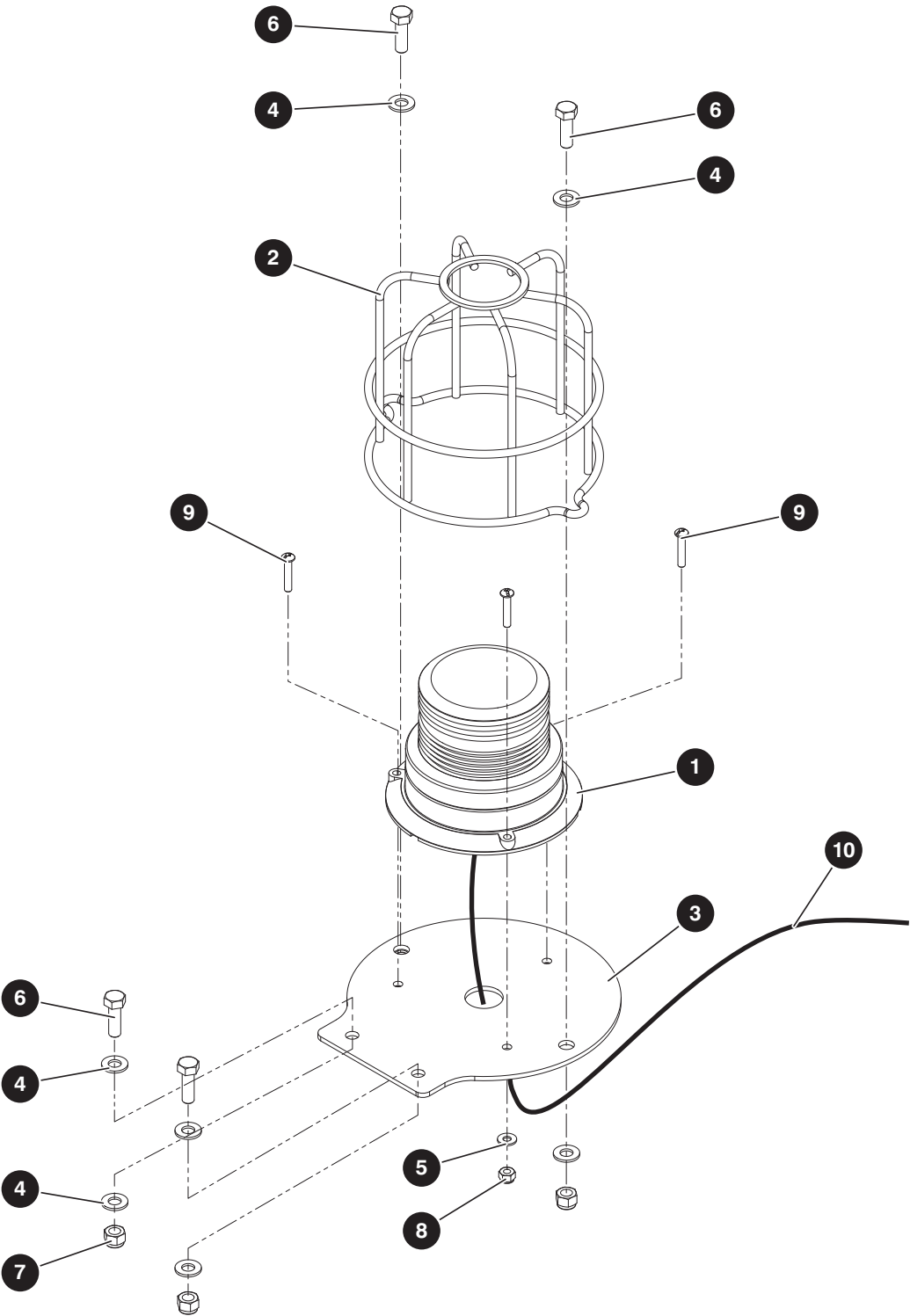


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10.3 Work Lights

Index No.	Skyjack Part No.	Qty.	Description
-	224213	1	WORK LIGHTS
1	206207	1	• HARNESS, Work light (not shown)
2	171888	2	• WORK LAMP
3	156203	1	• FUSE, ATO, 10 A
4	191457	1	• SWITCH, Rocker
5	191865	8	• PUSH MOUNT, 1/4"
6	105360	1	• TERMINAL, Male 14-16GA x 1/4
7	159294	2	• NUT, Speed clip 3/8"-16
8	104606	1	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
9	103472	1	• WASHER, Flat 3/8"
10	103473	2	• BOLT, Hex head zinc plated (3/8"-16 x 1" Gr. 5)
11	224214	1	• INSTRUCTION, Work Lights Installation (Not Shown)

10.4 Beacon Light

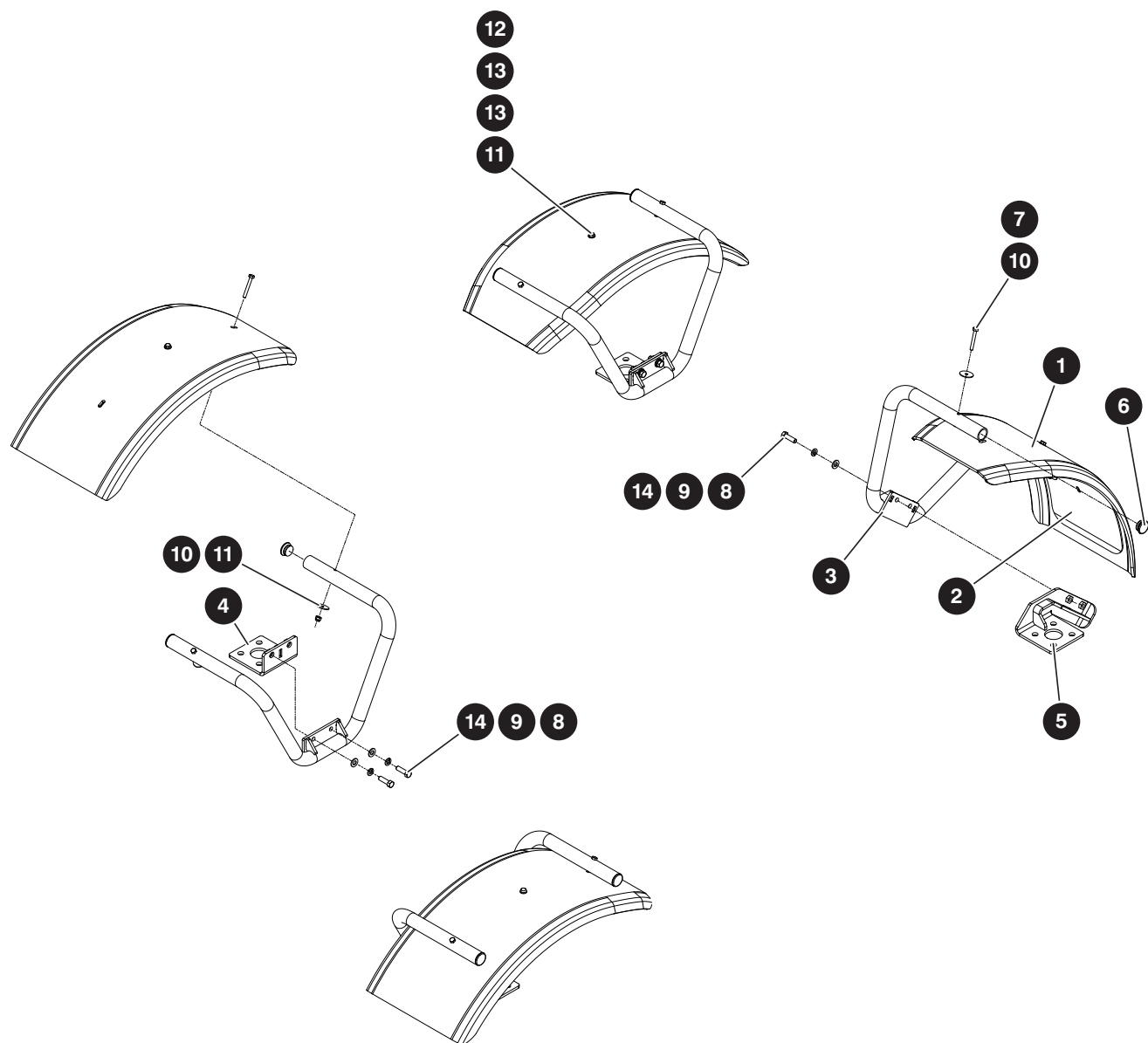


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10.4 Beacon Light

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	206338	1	• HARNESS, Beacon light

10.5 Four Wheel Fenders

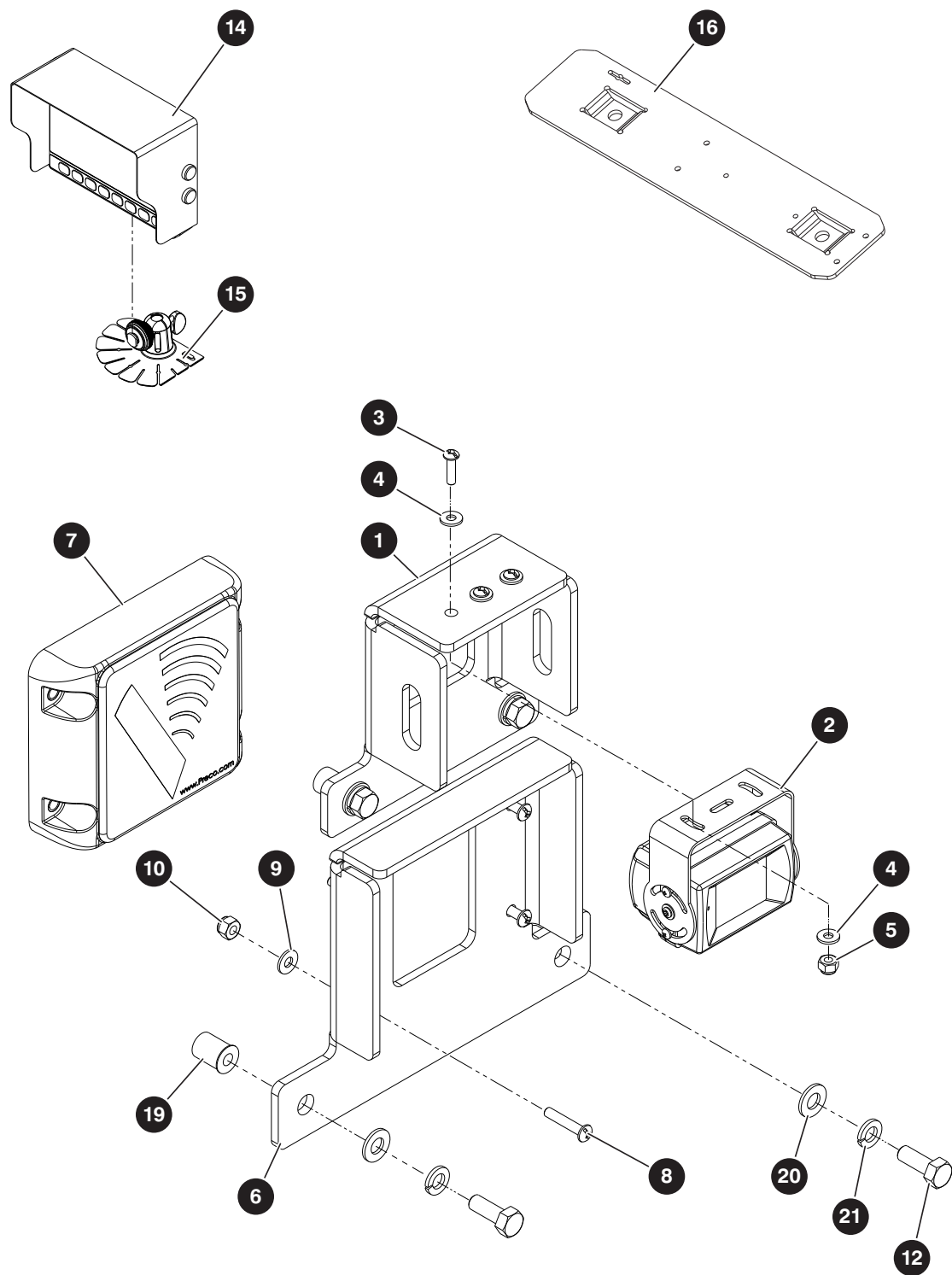


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10.5 Four Wheel Fenders

Index No.	Skyjack Part No.	Qty.	Description
-	206615	1	FOUR WHEEL FENDER
1	206272	4	• WING, TH Fenders
2	206611	4	• PLATE, Fender support
3	206624	4	• WELDMENT, Fender
4	206646	3	• WELDMENT, Fender base
5	206698	1	• WELDMENT, Fender base rear left hand
6	159462	8	• END PLUG, Round
7	103861	8	• BOLT, Hex head zinc plated (1/4"-20 x 2" Gr. 5)
8	101297	8	• BOLT, Hex head zinc plated (3/8"-16 x 1-1/4" Gr. 5)
9	125959	8	• WASHER, Flat 3/8" hard
10	700598	12	• WASHER, Fender 1-1/4" O.D. - 9/32 I.D
11	115649	12	• NUT, Lock with nylon insert 1/4"-20 Gr. 5
12	103891	4	• BOLT, Hex Head 1/4"-20 x 7/8" Gr. 5
13	103995	4	• WASHER, Flat 1/4"
14	103999	8	• WASHER, Lock 3/8"

10.6 Backup Camera and Sensor

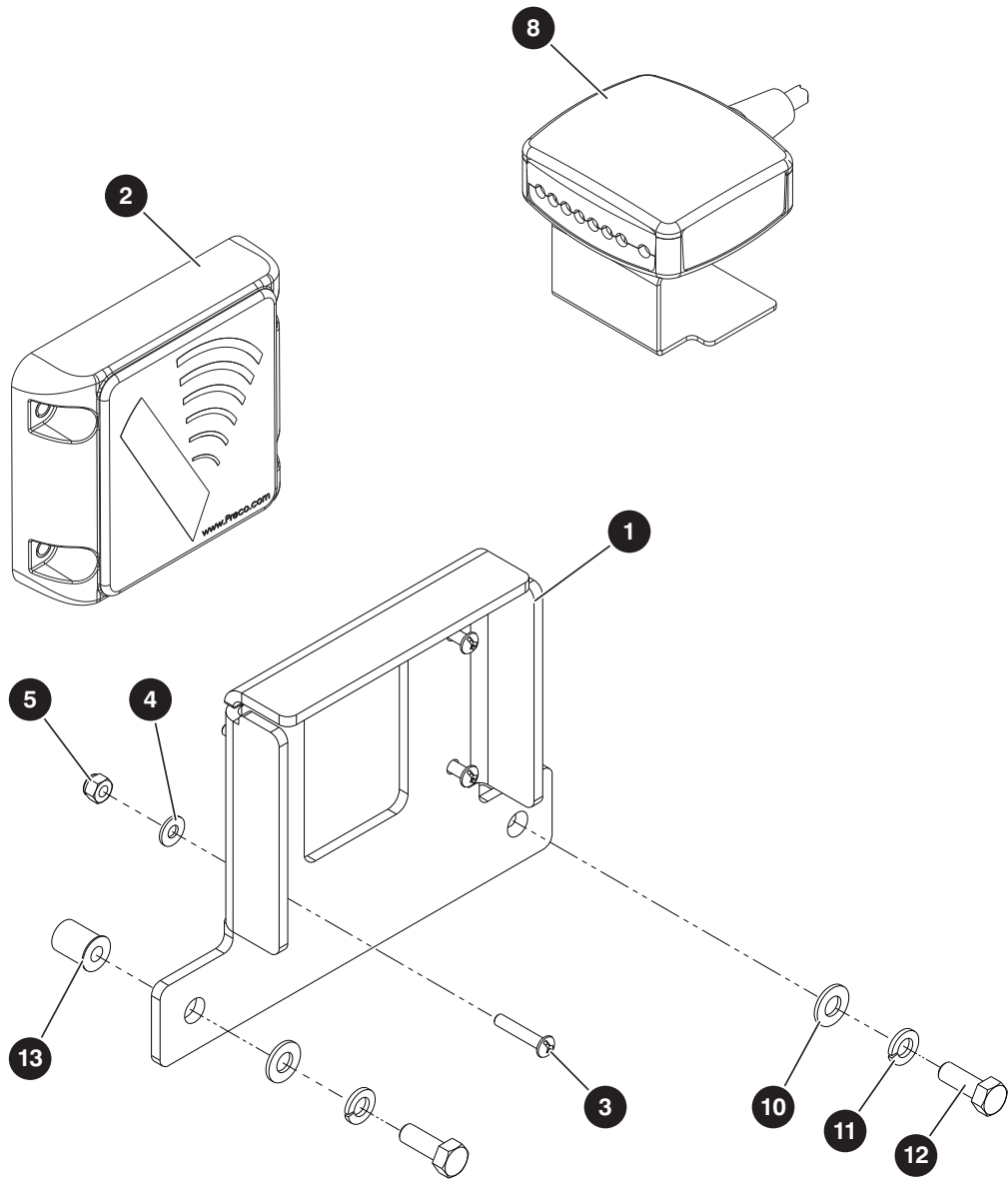


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10.6 Backup Camera and Sensor

Index No.	Skyjack Part No.	Qty.	Description
-	224070	1	KIT, BACK UP CAMERA AND SENSOR
1	206279	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	206271	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	224173	1	• CABLE, Back up camera (Not Shown)
12	207266	4	• BOLT, HXHD 0.312-18 X 0.875 GR5
13	224167	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	162464	4	• INSERT, .313-18 AK OPEN .027-.150
20	103996	4	• Washer Flat 0.312
21	103404	4	• WASHER, LOCK 0.312
22	223630	1	• INSTRUCTIONS, Backup camera and sensor installation (Not shown)

10.7 Backup Sensor

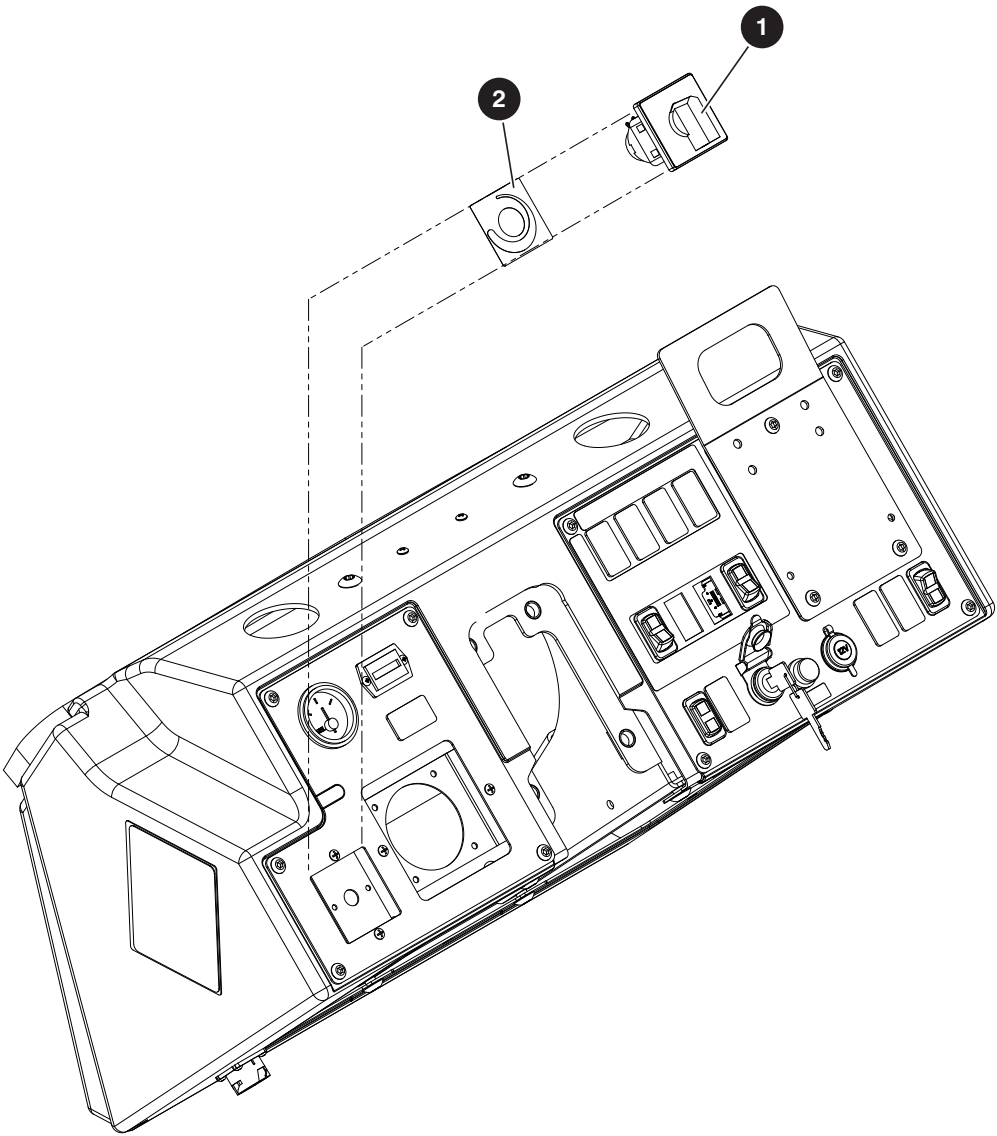


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10.7 Backup Sensor

Index No.	Skyjack Part No.	Qty.	Description
-	205785	1	KIT, BACK UP SENSOR
1	206271	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)
10	103996	4	• Washer Flat 5/16"
11	103404	4	• WASHER, Lock 5/16"
12	207266	4	• BOLT, Hex Head 5/16"-18 X 0.875 GR5
13	162464	4	• INSERT, 5/16"-18 AK open .027-.150

10.8 Potentiometer

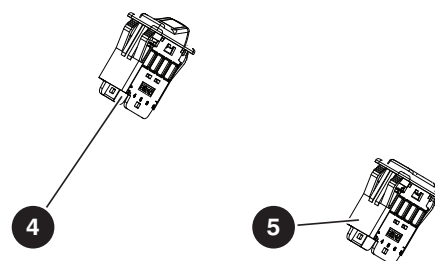
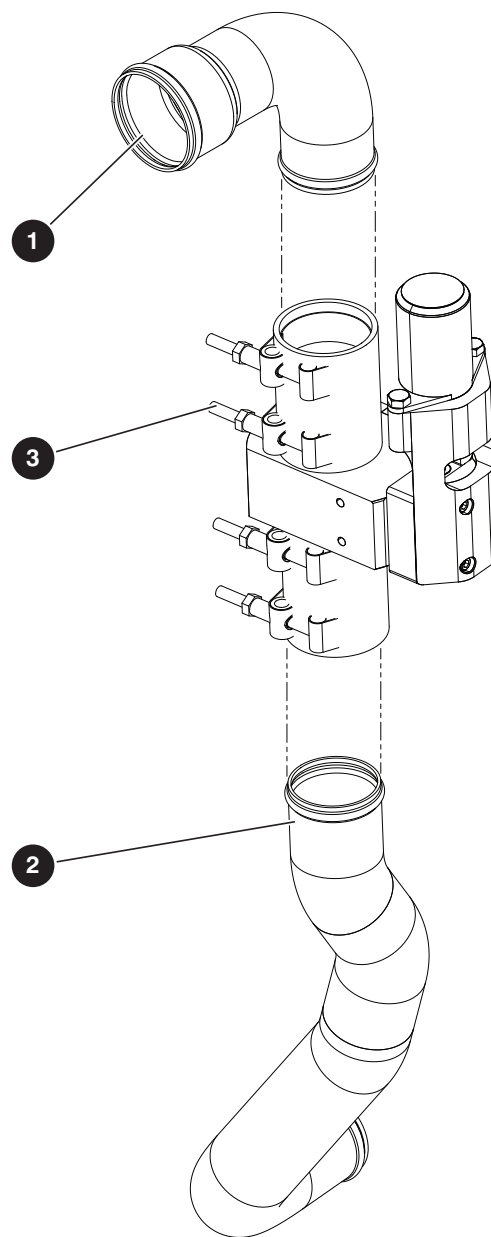
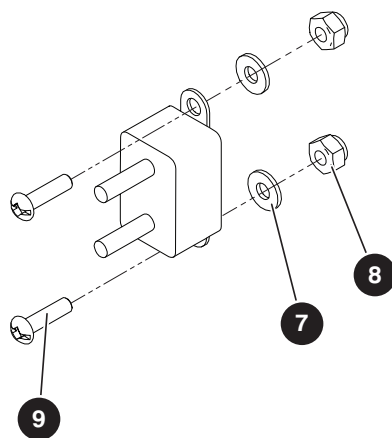
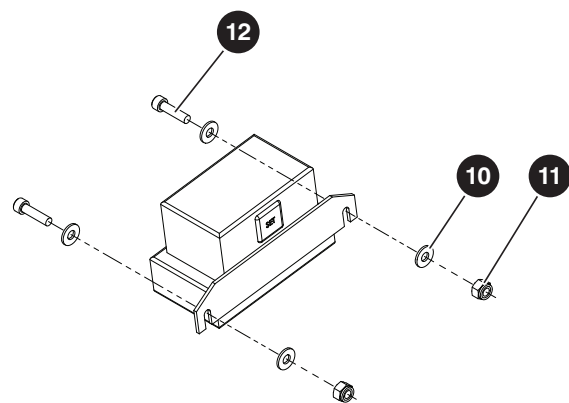


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10.8 Potentiometer

Index No.	Skyjack Part No.	Qty.	Description
-	224055	1	SPEED LIMITER CONTROL
1	138226	1	• POTENTIOMETER, 1K OHM
2	142428	1	• LABEL, Boom rotary pot

10.9 Positive Air Shutoff

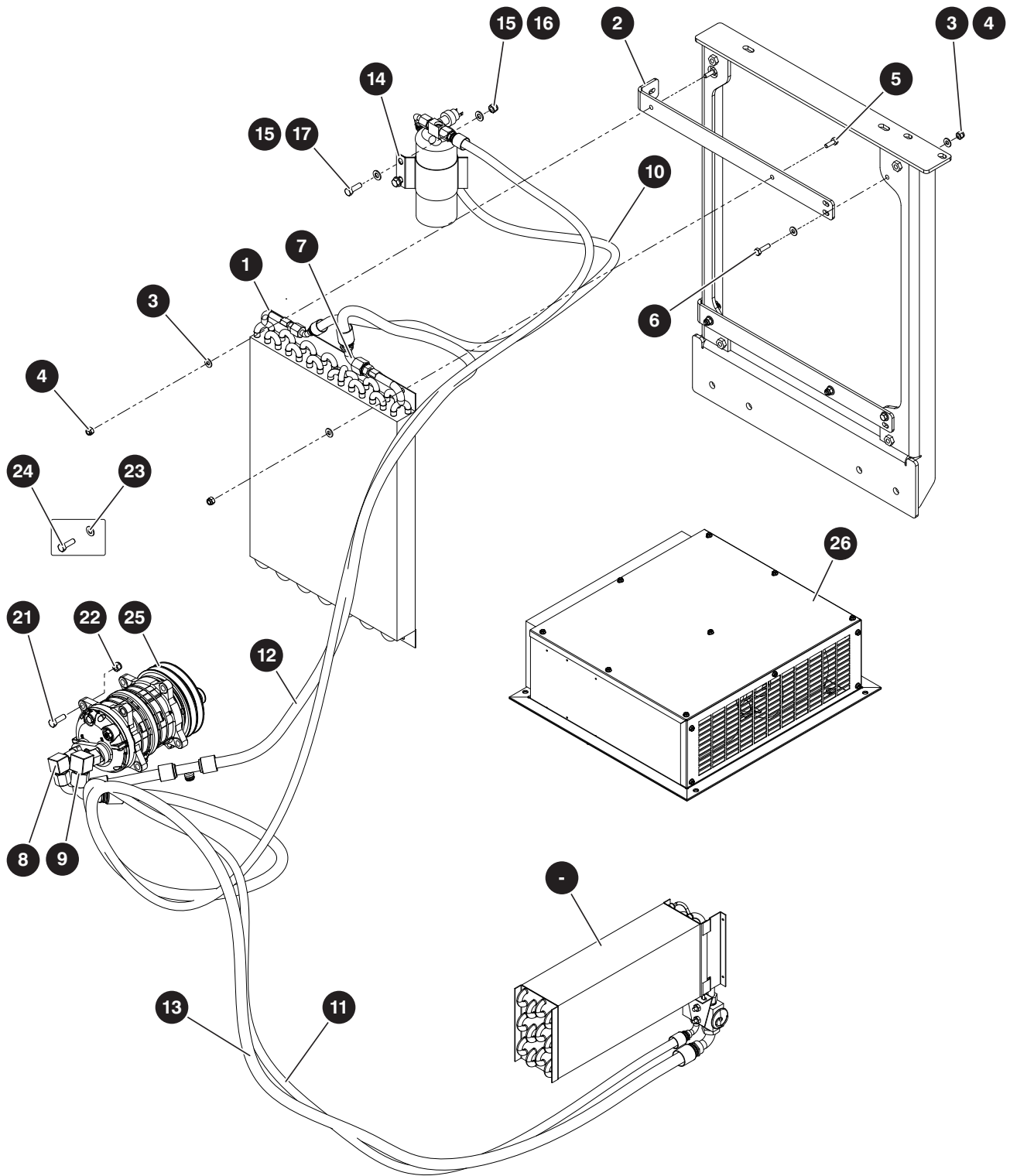


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10.9 Positive Air Shutoff

Index No.	Skyjack Part No.	Qty.	Description
-	206498	1	POSITIVE AIR SHUTOFF
1	206643	1	• TUBE, Pass to engine
2	206992	1	• TUBE, CAC to pass
3	206499	1	• VALVE, Posi-air 2000 inl
4	206648	1	• INDICATOR, Posi-shutoff
5	191455	1	• SWITCH, Rocker
6	191820	1	• HARNESS, Positive air shut off
7	103991	2	• WASHER, Flat #8
8	138765	2	• NUT, Lock with nylon insert 8-32 Gr. 5
9	116192	2	• SCREW, Round head machine 8-32 x 5/8"
10	104694	4	• WASHER, Flat #10
11	126642	2	• NUT, Lock with nylon insert 10-24 Gr. 5
12	157426	2	• SCREW, Socket head #10-24 x 3/4"

10.10 Air Conditioner - S/N 87 500 732 and below

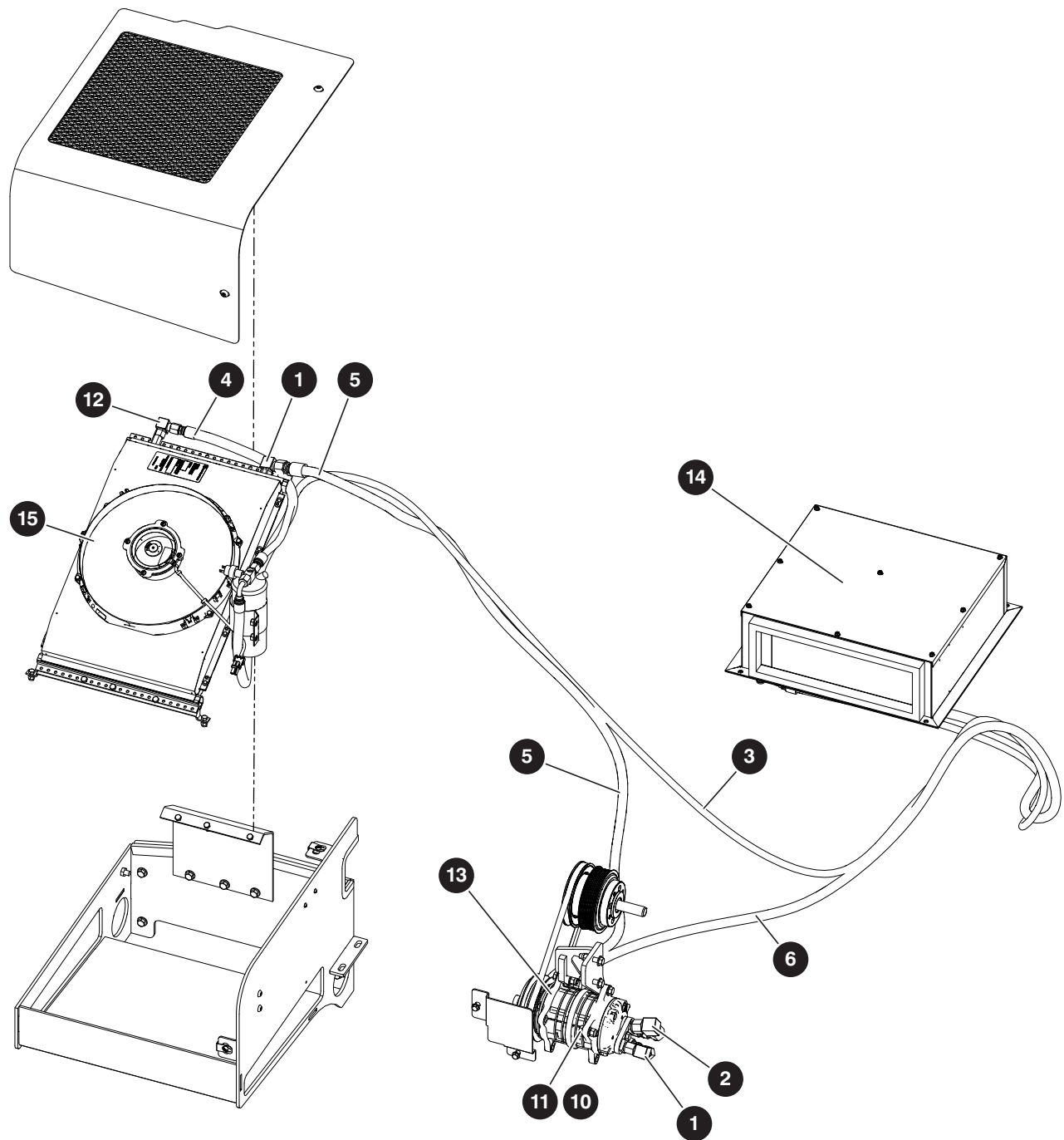


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10.10 Air Conditioner - S/N 87 500 732 and below

Index No.	Skyjack Part No.	Qty.	Description
-	206919	1	AIR CONDITIONING SUBGROUP
-	206708	1	• A/C CONDENSER
1	921525	1	• • A/C CONDENSER
2	206689	2	• • PLATE, Condenser mount
3	103995	12	• • WASHER, Flat 1/4"
4	115649	8	• • NUT, Lock with nylon insert 1/4"-20 Gr. 5
5	103856	4	• • BOLT, Hex head zinc plated 1/4"-20 x 3/4" Gr. 5
6	103857	4	• • BOLT, Hex head (1/4"-20 x 1" Gr. 5)
7	167002	1	• • COUPLER O-Ring #8 3/4-16F / 3/4-16M
-	206710	1	• HOSE SUBGROUP
8	167002	1	• • COUPLER O-Ring #8 3/4-16F / 3/4-16M
9	164139	1	• • COUPLER - #10 - 90° O-Ring
10	206711	1	• • HOSE ASM, #6 Refrigerant
11	206712	1	• • HOSE ASM, #6 Refrigerant
12	206713	1	• • HOSE ASM, #8 Refrigerant
13	206714	1	• • HOSE ASM, #10 Refrigerant
14	920079	1	• • BRACKET Drier/binary
15	103996	4	• • WASHER, Flat 5/16"
16	103984	2	• • NUT, Lock with nylon insert (5/16"-18 Gr. 5)
17	103864	2	• • BOLT, Hex head (5/16"-18 x 1" Gr. 5)
18	224168	1	• • HARNESS, Air conditioning (Not Shown)
19	924699	30	• • SPIRAL WRAP (Not Shown)
20	224298		• • HARNESS, AC Ground
21	101297		• • BOLT, Hex head zinc (3/8"-16 x 1-1/2" Gr. 5)
22	104606		• • NUT, Lock with nylon insert 3/8"-16 Gr. 5
23	933832		• • WASHER, Flat M8 - Od 16.0
24	933660		• • BOLT, Hex Head M8 x 1.25 x 16mm Gr. 8.8
25	206709	1	• COMPRESSOR
26	921101	1	• A/C KIT

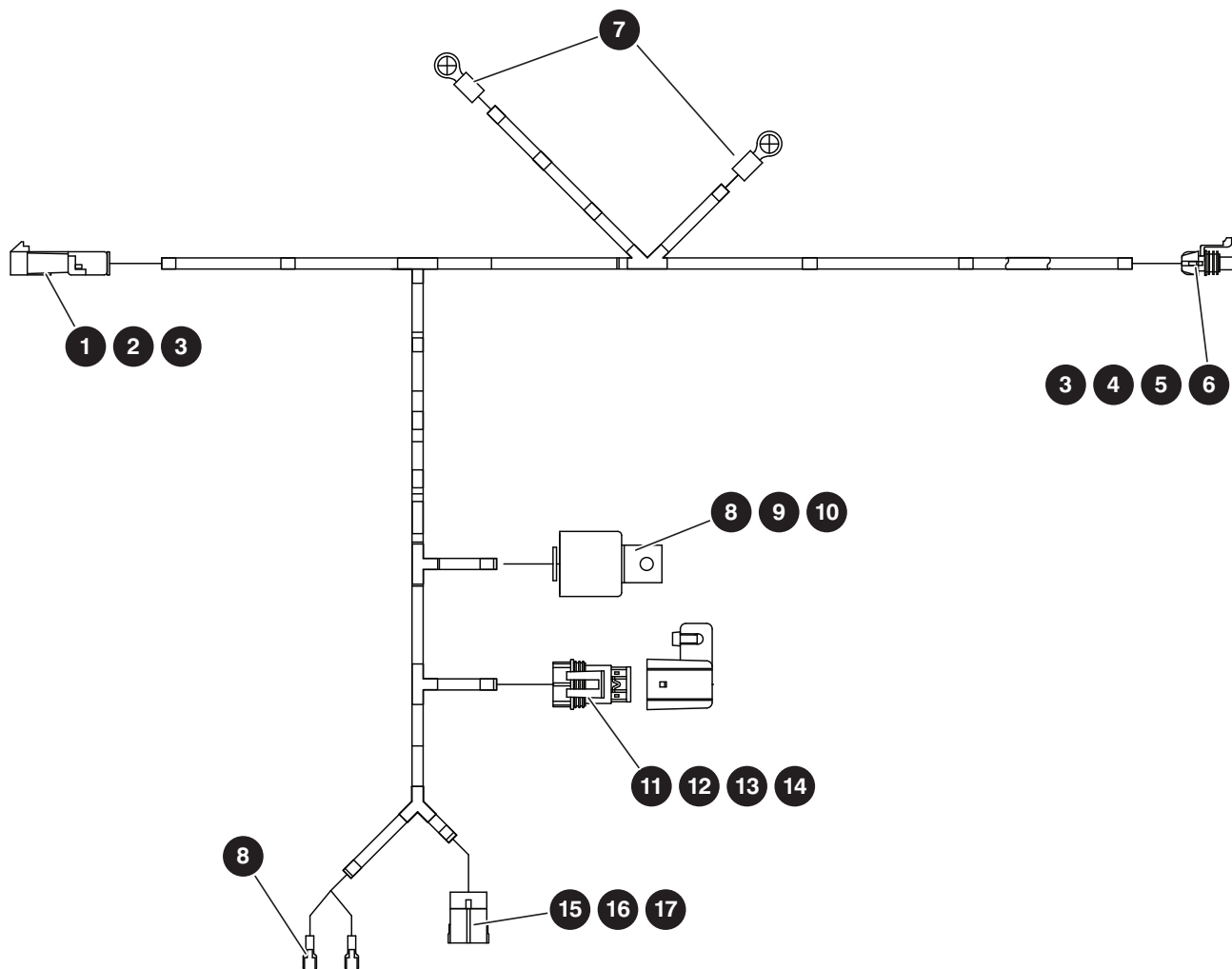
M240777AA



10.10 Air Conditioner - S/N 87 500 733 and above

Index No.	Skyjack Part No.	Qty.	Description
-	240777	1	AIR CONDITIONING SUBGROUP - <i>For serial numbers 87 500 733 and above.</i>
-	232444	1	• HOSE SUBGROUP
1	167002	2	• • COUPLER O-Ring #8 3/4-16F / 3/4-16M
2	164139	1	• • COUPLER - #10 - 90° O-Ring
3	232445	1	• • HOSE ASM, #6 Refrigerant
4	232416	1	• • HOSE ASM, #6 Refrigerant
5	232417	1	• • HOSE ASM, #8 Refrigerant
6	206714	1	• • HOSE ASM, #10 Refrigerant
7	241600	1	• • HARNESS, Air conditioning (Not Shown)
8	924699	30	• • SPIRAL WRAP (Not Shown)
9	224298	1	• • HARNESS, AC Ground
10	101297	1	• • BOLT, Hex head zinc (3/8"-16 x 1-1/2" Gr. 5)
11	104606	1	• • NUT, Lock with nylon insert 3/8"-16 Gr. 5
12	233077	1	• • FITTING, 90°
13	206709	1	• COMPRESSOR <i>(For components, refer to Section 10.12 - A/C Compressor)</i>
14	921101	1	• A/C KIT
15	232401	1	• A/C CONDENSER ASSEMBLY <i>(For components, refer to Section 10.13 - A/C Condensor - S/N 87 500 733 and above)</i>

10.11 Air Conditioner Harness - S/N 87 500 733 and above

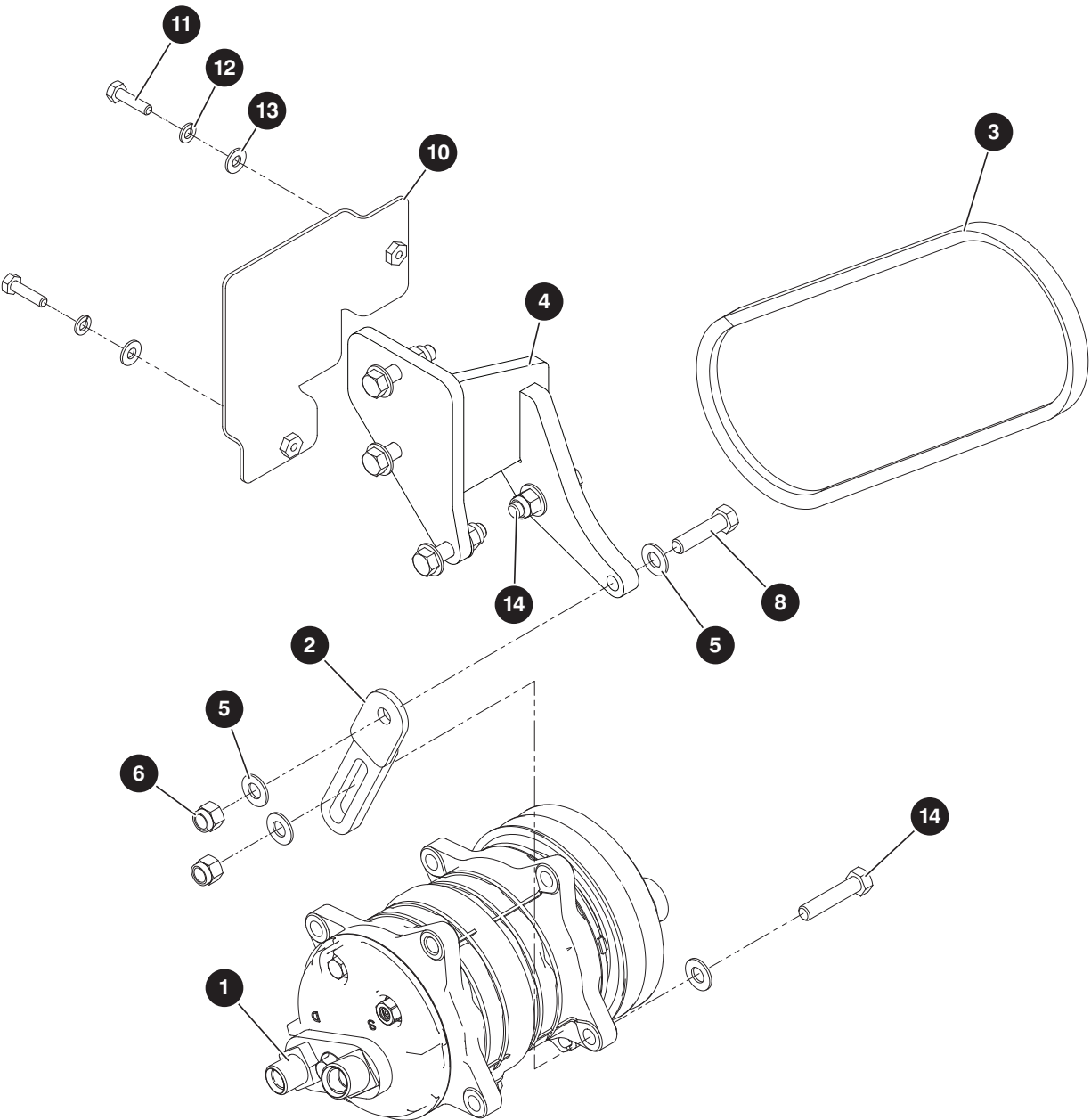


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10.11 Air Conditioner Harness - S/N 87 500 733 and above

Index No.	Skyjack Part No.	Qty.	Description
-	241600	1	HARNESS, Air conditioner
1	156106	1	• CONNECTOR , 1M
2	156139	1	• TERMINAL, Male (2.0-1.0 mm2) W/P
3	124369	2	• SEAL, Wire W/P
4	156142	1	• TERMINAL, Female (2.0-1.0 mm2) 280 M/P
5	156303	1	• CONNECTOR 1F, 280 M/P
6	156304	1	• TPA, 1W
7	102941	1	• TERMINAL, Ring (0.38)
8	105359	2	• TERMINAL, Female (14-16 GA)
9	105568	1	• TERMINAL, Female (10-12 GA)
10	127035	1	• RELAY, 12V - 40A
11	157850	1	• CONNECTOR 2F, Fuse holder 630 M/P
12	156117	1	• COVER, Inline autofuse
13	157851	2	• TERMINAL, Female (2.0-1.0 mm2) 630 M/P
14	156164	1	• FUSE, ATO 30A
15	923897	2	• PIN, Male
16	932898	2	• SEAL, Cable
17	932899	1	• CONNECTOR

10.12 A/C Compressor

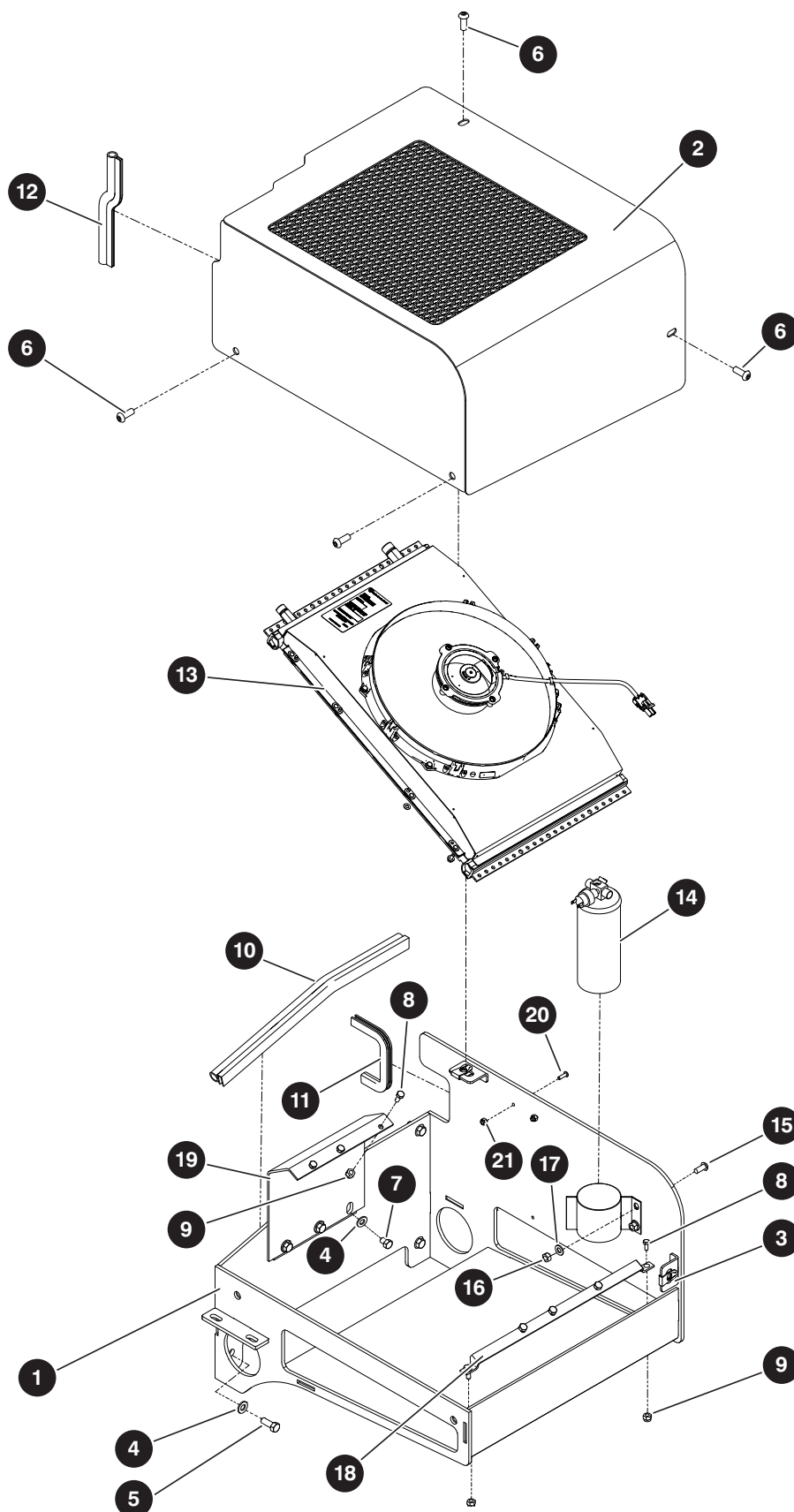


M206709AC

10.12 A/C Compressor

Index No.	Skyjack Part No.	Qty.	Description
-	206709	1	COMPRESSOR ASSEMBLY
1	163903	1	• AC COMPRESSOR
2	224327	1	• WELDMENT, Pivot adjustment
3	191238	1	• V-BELT, A34
4	224325	1	• BRACKET, Compressor
5	103472	12	• WASHER, Flat 3/8"
6	104606	6	• NUT, Lock with nylon insert 3/8"-16 Gr. 5
7	103871	3	• BOLT, Hex Head 3/8"-16 x 1-3/4" Gr. 5
8	103870	1	• BOLT, Hex Head 3/8"-16 x 1-1/2" Gr. 5
9	922004	1	• LABEL, Refrigerant charge (not shown)
10	224000	1	• GUARD, A/C belt
11	103857	2	• BOLT, Hex head zinc plated (1/4"-20 x 1" Gr. 5)
12	104000	2	• WASHER, Lock 1/4"
13	103995	2	• WASHER, Flat 1/4"
14	103596	1	• BOLT, Hex Head, zinc (3/8"-16 x 2" Gr. 5)

10.13 A/C Condensor - S/N 87 500 733 and above

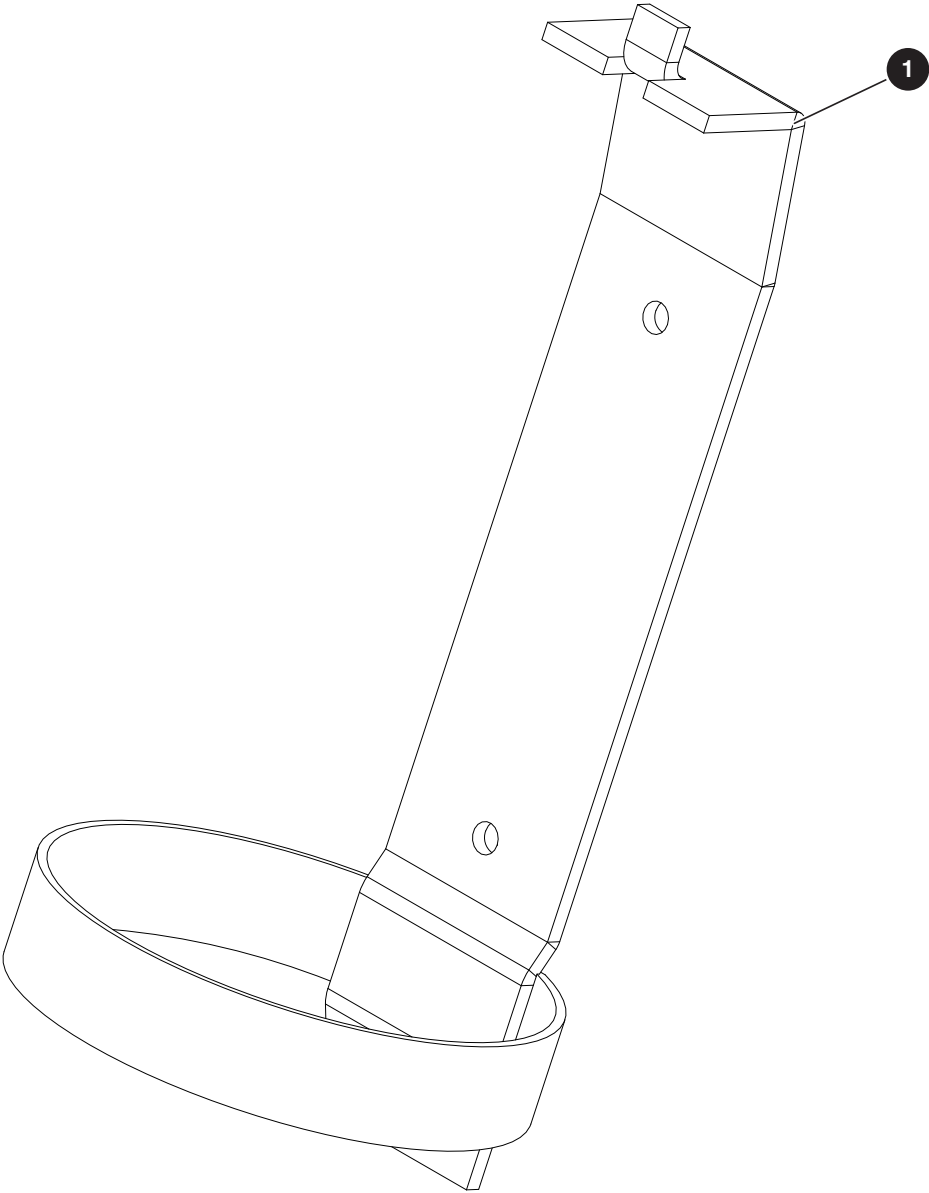


M232401AA

10.13 A/C Condensor- S/N 87 500 733 and above

Index No.	Skyjack Part No.	Qty.	Description
-	232401	1	CONDENSER ASSEMBLY
1	232407	1	• MOUNT WLDT, A/C Condenser
2	232409	1	• COVER WLDT, A/C Condenser
3	159294	2	• NUT, Speed clip (3/8"-16)
4	125959	7	• FLAT, Washer (3/8"-16)
5	103473	4	• BOLT, Hex head (3/8"-16 x 1" Gr.5)
6	103949	4	• BOLT, Button head (3/8"-16 x 1")
7	152341	3	• BOLT, Head head (3/8"-16 x 0.5" Gr.5)
8	103892	8	• BOLT, Hex head (1/4"-20 x 5/8" Gr.5)
9	115649	8	• NUT, Lock (1/4"-20 Gr.5)
10	205707	1.5	• SEAL, Bulb 90° (3/4" - 1/4")
11	117398	8	• TRIM, Protective
12	149357	7	• SEAL, Bulb (0.09" - 0.12")
13	233062	1	• CONDENSER, Air conditioning
14	920079	1	• BRACKET, Drier
15	300064	2	• BOLT, Button head (0.313"-18 x 3/4")
16	100397	2	• NUT, Hex head (0.313" - 18 Gr.5)
17	103996	2	• FLAT, Washer (0.313")
18	233071	1	• BRACKET, Front condenser mount
19	233070	1	• BRACKET, Rear condenser mount
20	120094	2	• SCREW, Machine round head (10-32 x 0.625")
21	300450	2	• NUT, Lock (10-32 Gr.5)

10.14 Fire Extinguisher Bracket

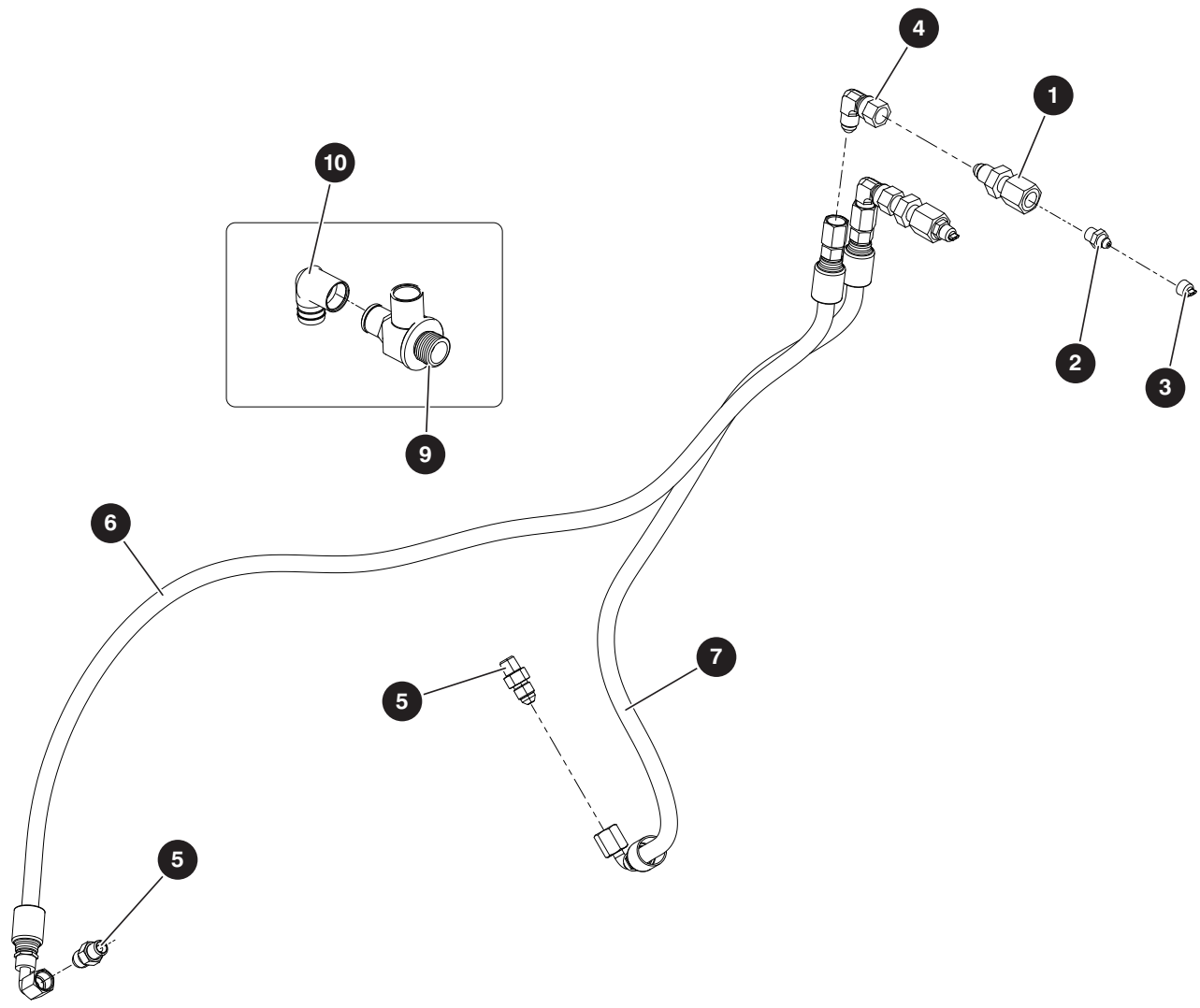


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10.14 Fire Extinguisher Bracket

Index No.	Skyjack Part No.	Qty.	Description
1	206459	1	BRACKET, Fire Extinguisher

10.15 Service Convenience Kit

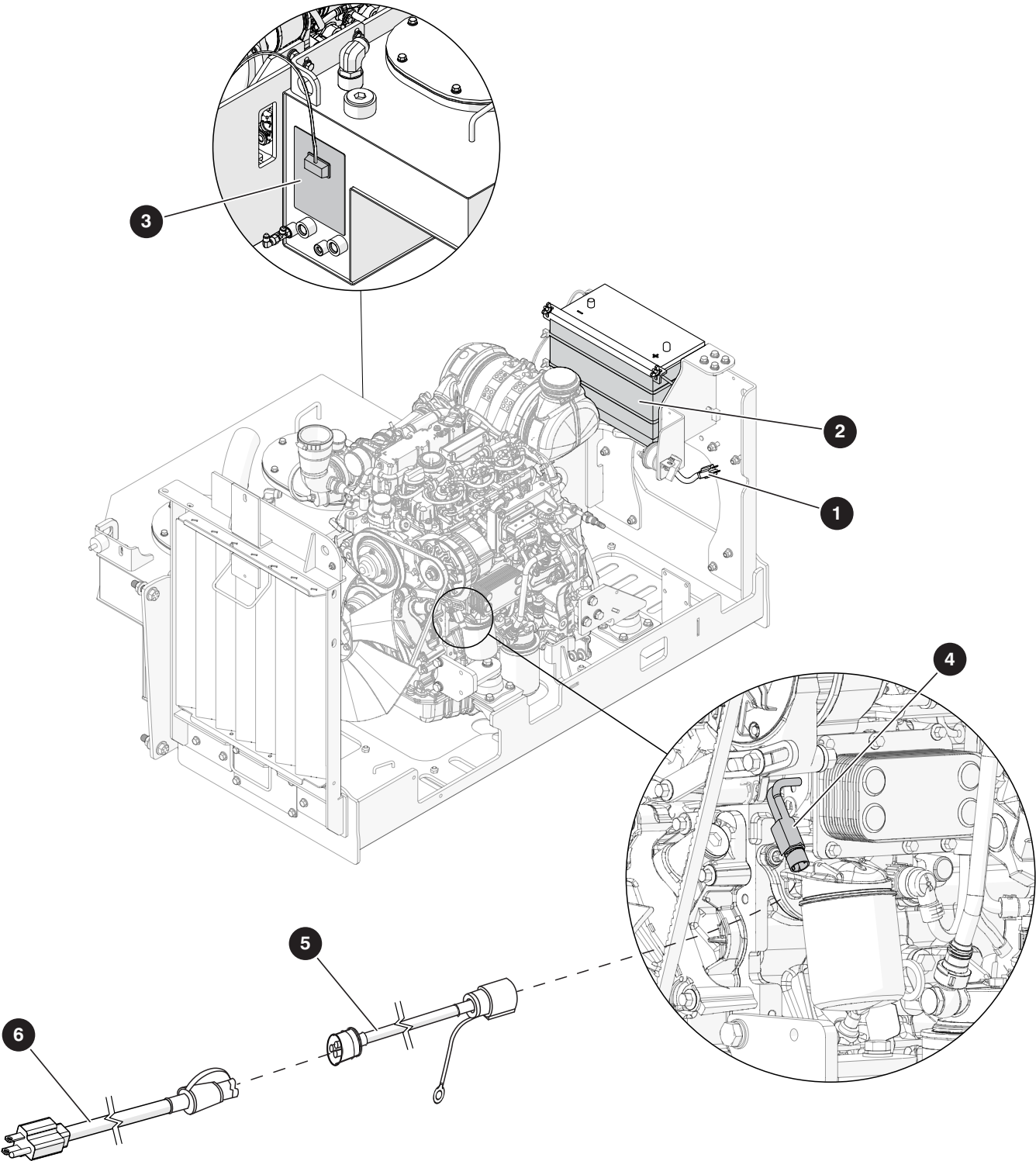


M206470AB

10.15 Service Convenience Kit

Index No.	Skyjack Part No.	Qty.	Description
-	206470	1	SERVICE CONVENIENCE KIT
-	206471	1	REMOTE GREASE
1	406595	2	• FITTING, FNPT x MJIC Bulkhead
2	102027	2	• FITTING, Grease 1/8 NPT Straight
3	132565	2	• CAP, Grease GC5
4	702875	2	• FITTING, 4JIC
5	933309	2	• FITTING, Straight (04 JICM - 04 NPTM)
6	206720	1	• HOSE, Grease - 39"
7	206721	1	• HOSE, Grease - 26"
8	102891	2	• TIE-WRAP CABLE, 7 1/4" black
-	169469	-	VALVE, Oil quick drain - Deutz
9	167431	1	• VALVE, Oil drain
10	167432	1	• FITTING, Elbow 90° Oil drain

10.16 Cold Weather Package



M206469AA

10.16 Cold Weather Package

Index No.	Skyjack Part No.	Qty.	Description
-	206469	1	COLD WEATHER PACKAGE
1	159888	1	• CORD (2' LG)
2	703290	1	• BLANKET, Battery (36")
3	164762	1	• PAD, Heater (500W)
4	206788	1	HEATING ELEMENT, Coolant
5	206789	1	CABLE, Coolant pre-heater - adapter
6	206790	1	CABLE, Coolant pre-heater - 120V

Section 11 – Labels

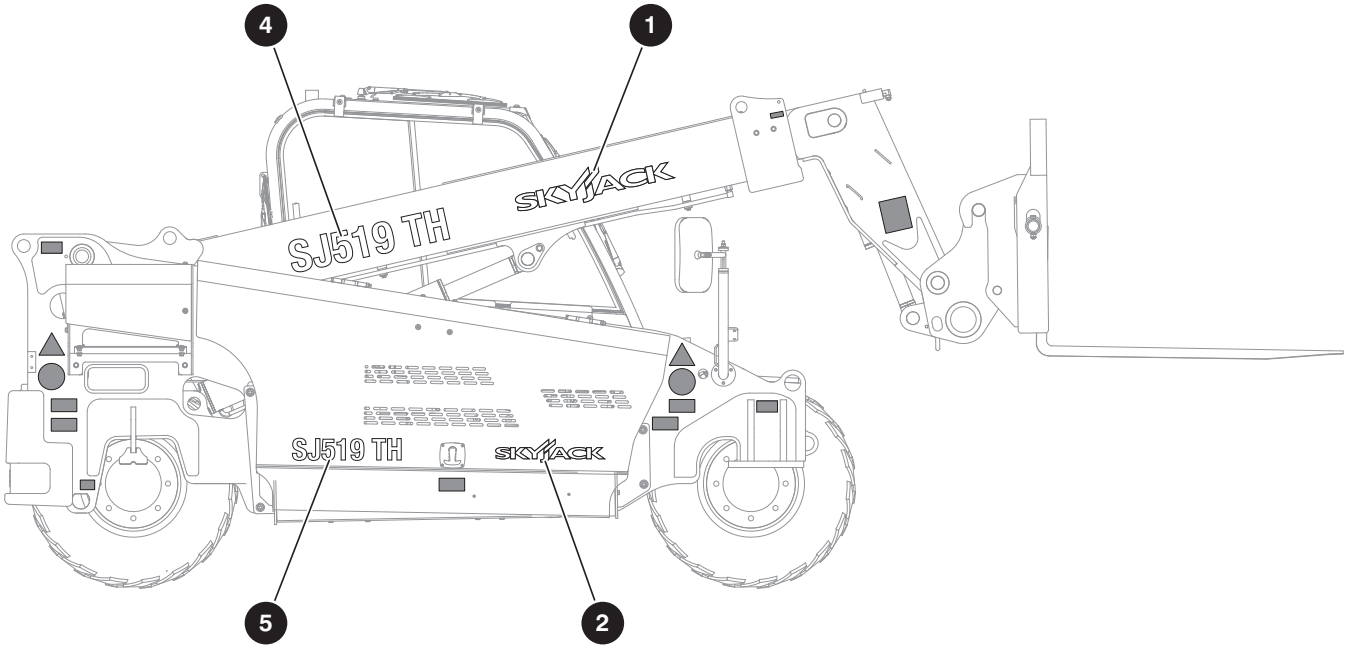
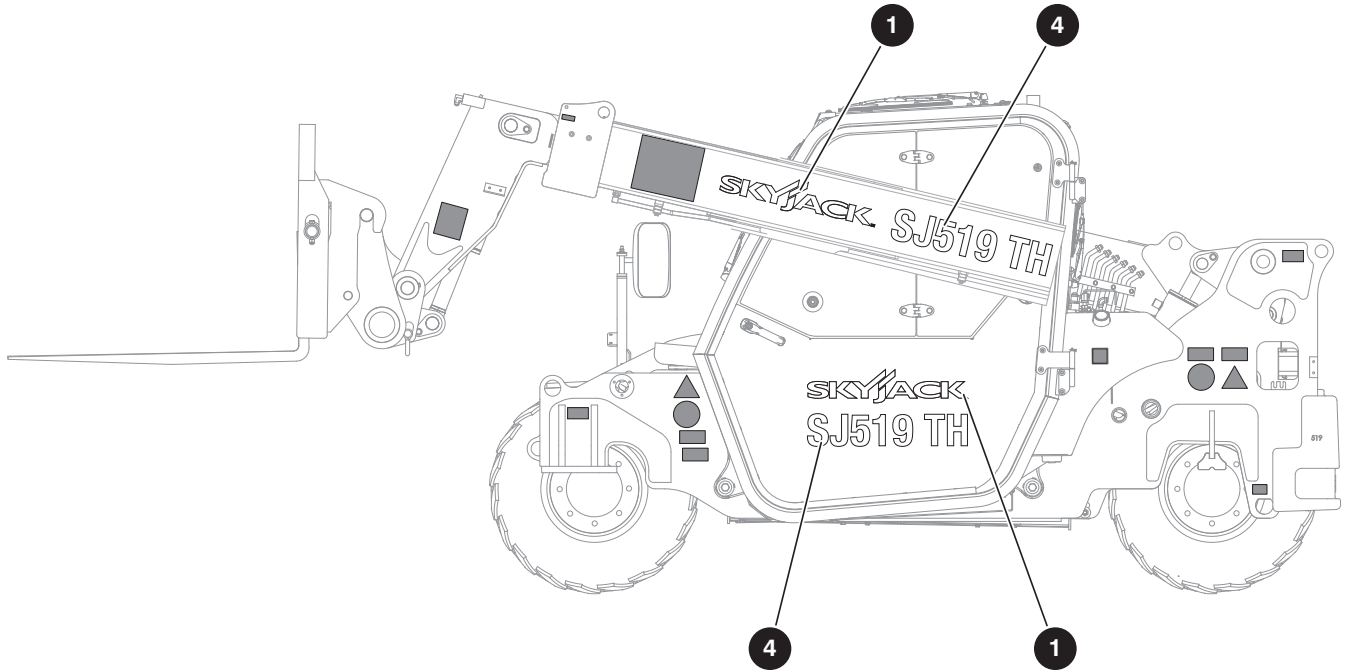
11.1 *Model Specific Labels*

11.2 *Pictorial Labels
Layout*

11.3 *Cab Labels Layout*

11.4 *Load Charts Group*

11.1 Model Specific Labels

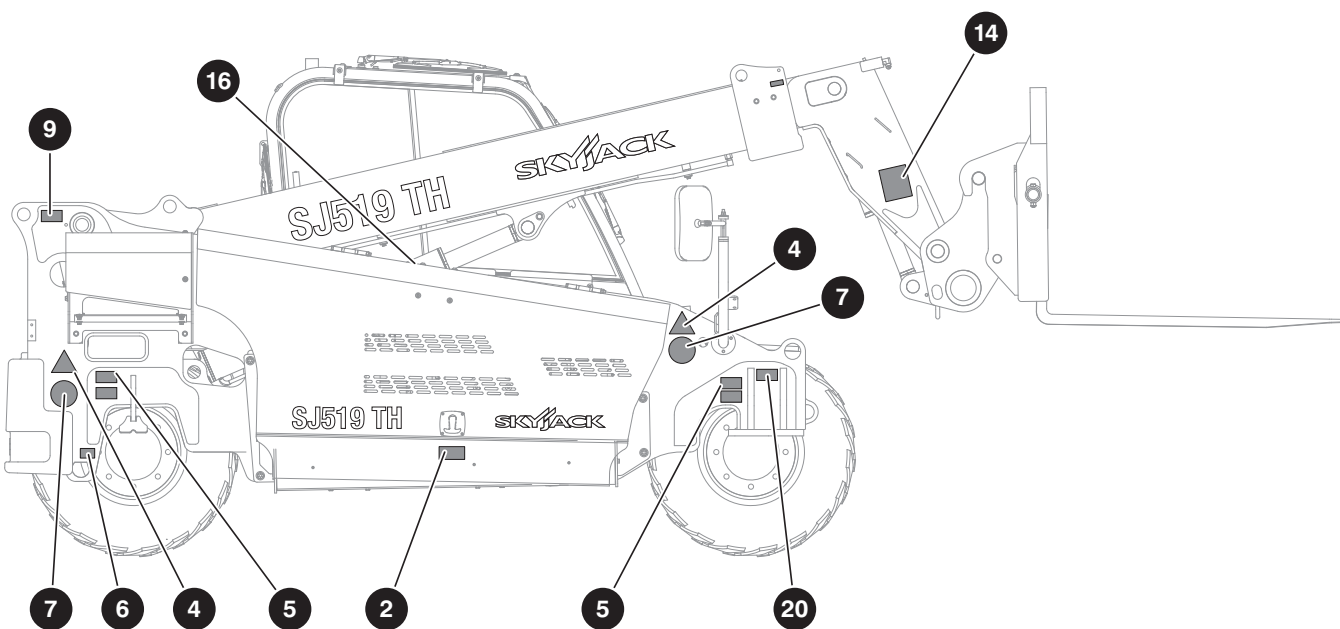
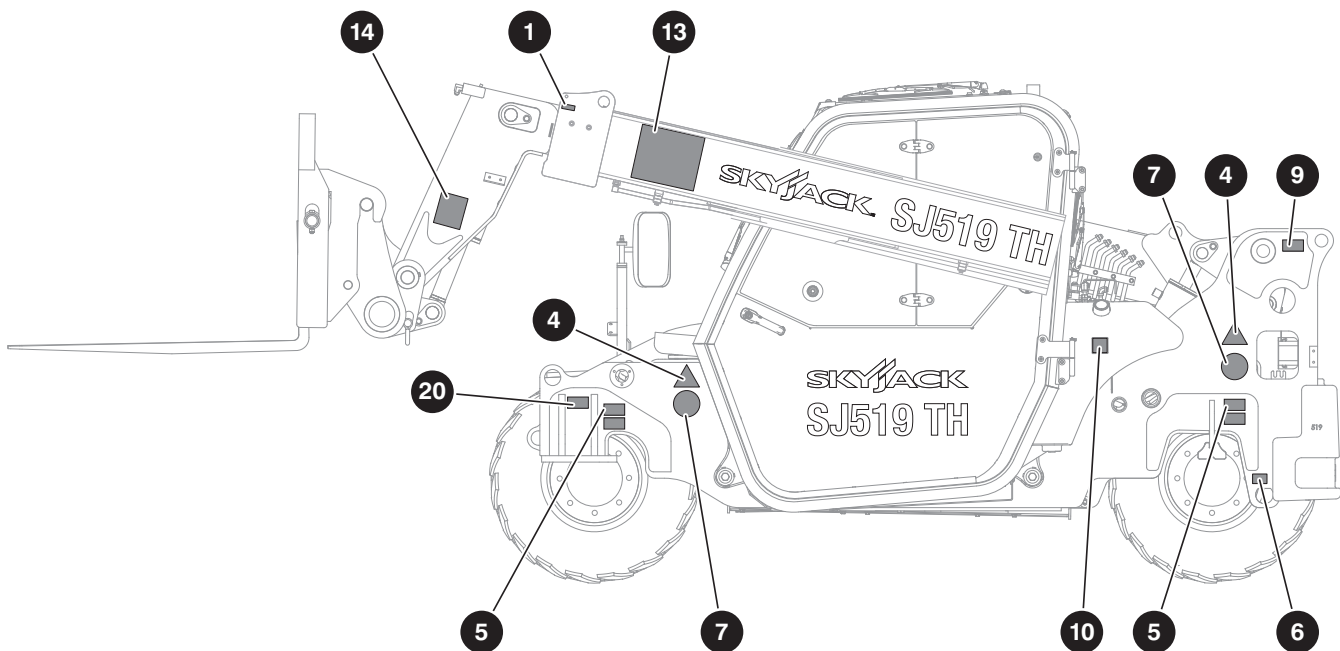


TH5k-Right view.ai

11.1 Model Specific Labels

Index No.	Skyjack Part No.	Qty.	Description
A	220510	1	LABEL ASSEMBLY, MODEL SPECIFIC ENCLOSED CAB
B	220511	1	LABEL ASSEMBLY, MODEL SPECIFIC OPEN CAB
1	166951	3	LABEL, Skyjack logo white (25") - A
-	166951	2	LABEL, Skyjack logo white (25") - B
2	158536	1	LABEL, Skyjack logo white (17")
3	172814	1	LABEL, Boom letters SJ519 TH
4	172785	3	LABEL, SJ519 TH (25") - A
-	172785	2	LABEL, SJ519 TH (25") - B
5	172786	1	LABEL, SJ519 TH (17")

11.2 Pictorial Labels Layout

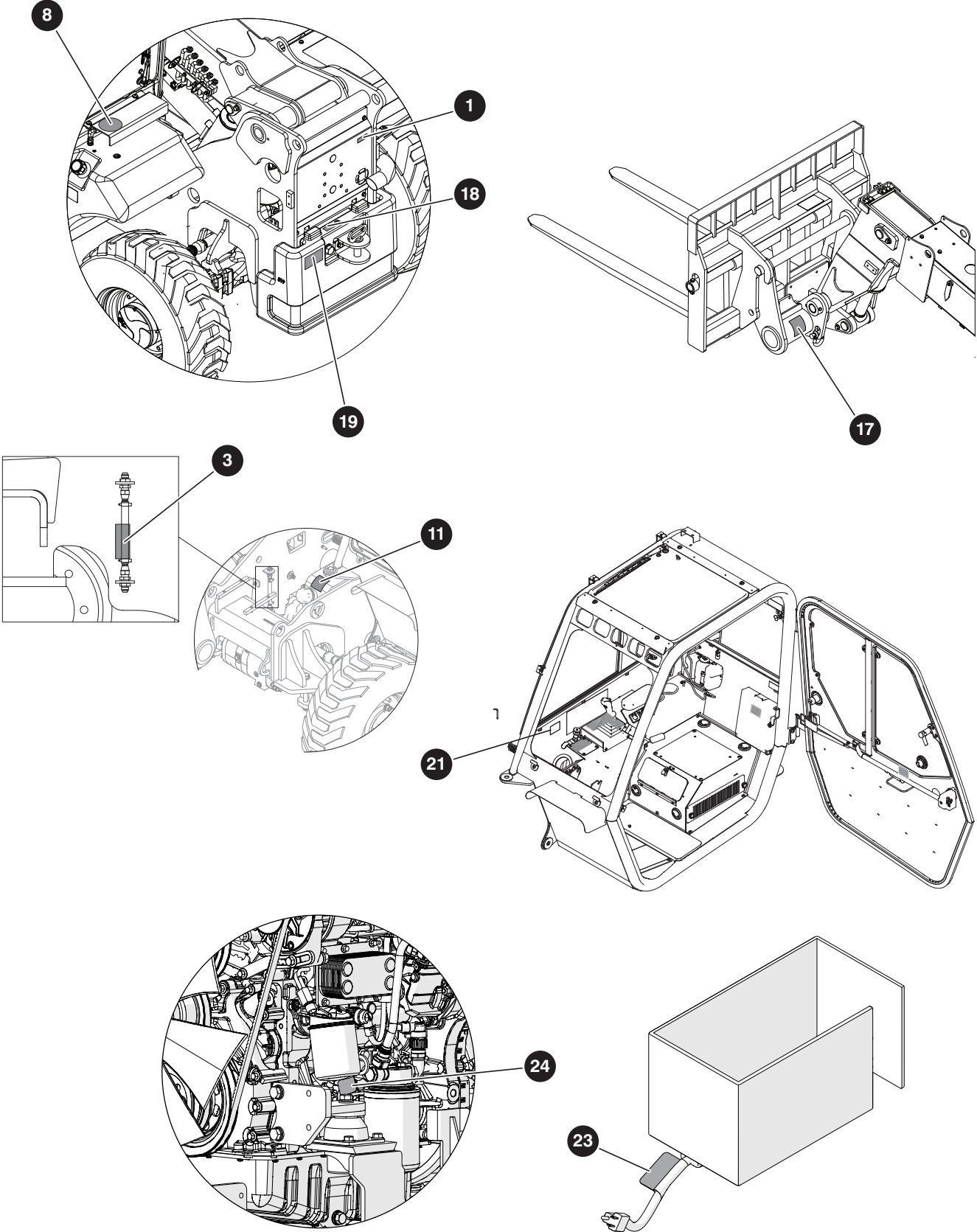


TH5k-Right view 2.ai

11.2 Pictorial Labels Layout

Index No.	Skyjack Part No.	Qty.	Description
-	220514	1	PICTORIAL LABELS ASSEMBLY
1	152230	3	• LABEL, Grease point
2	137988	1	• LABEL, Crush/pinch hazard pictorial
3	172425	1	• LABEL, Hydraulic oil level (min/max)
4	139314	4	• LABEL, Body crush pictorial
5	124631	4	• LABEL, Wheel info pictorial
6	157528	2	• LABEL, Tie down pictorial
7	139855	4	• LABEL, Keep clear pictorial
8	138146	1	• LABEL, No smoking pictorial
9	143688	2	• LABEL, Lift point
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	195421	2	• LABEL, Fork pins warning
15	119674	1	• LABEL, Battery disconnect switch pictorial
16	207462	1	• LABEL, Hot surface pictorial large
17	195422	1	• LABEL, Lifting hook
18	115543	1	• LABEL, No step
19	172946	1	• LABEL, Towing capacity SJ519 TH
20	124767	2	• LABEL, Lift point/tie down
21	173081	1	• LABEL, Warning California proposition 65
22	220515	1	• LABEL GROUP, 5k cab labels (not shown)

11.2 Pictorial Labels Layout

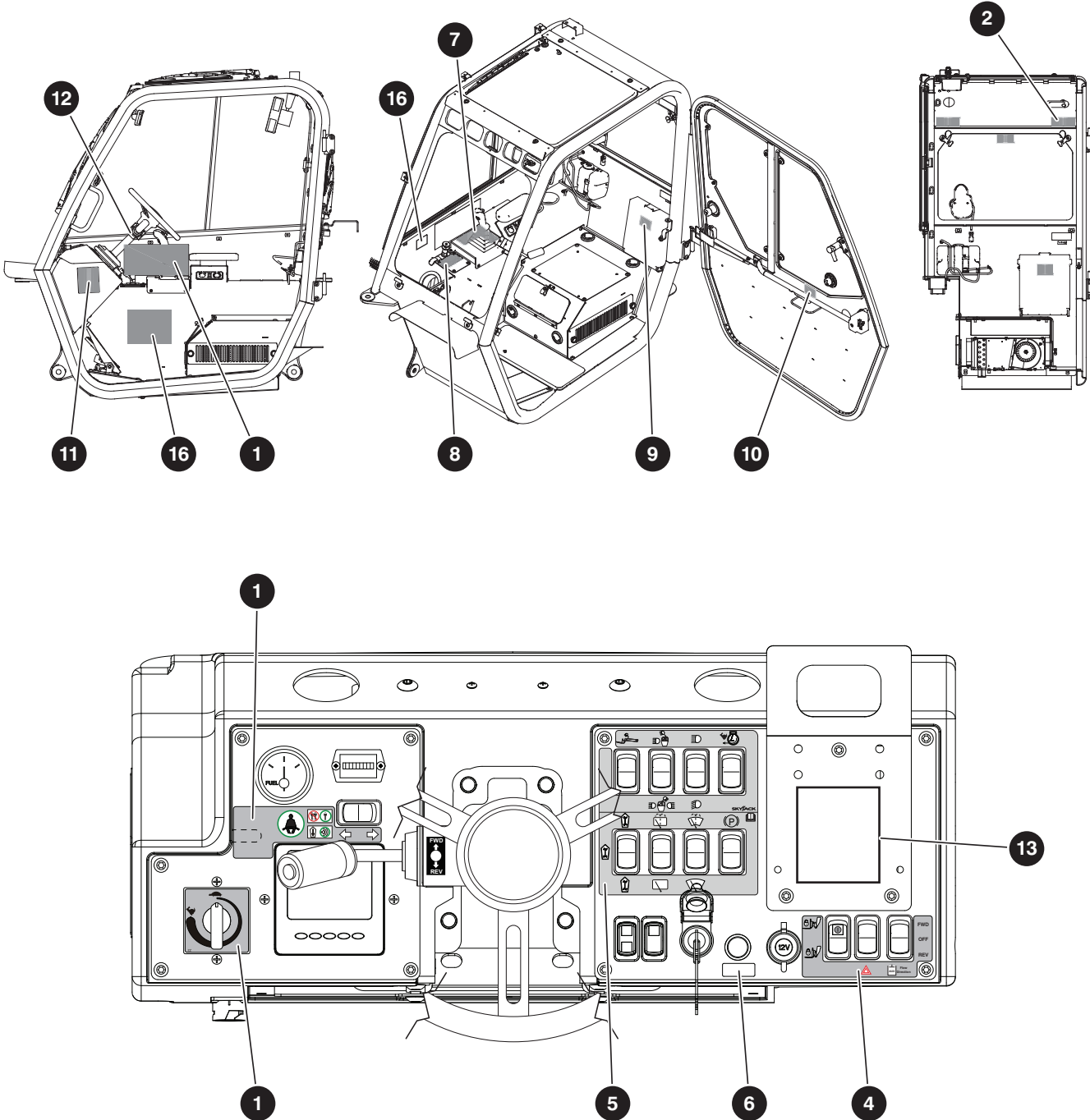


TH5k-Front view.ai

11.2 Pictorial Labels Layout

Index No.	Skyjack Part No.	Qty.	Description
-	220514	1	PICTORIAL LABELS ASSEMBLY
1	152230	3	• LABEL, Grease point
2	137988	1	• LABEL, Crush/pinch hazard pictorial
3	172425	1	• LABEL, Hydraulic oil level (min/max)
4	139314	4	• LABEL, Body crush pictorial
5	124631	4	• LABEL, Wheel info pictorial
6	157528	2	• LABEL, Tie down pictorial
7	139855	4	• LABEL, Keep clear pictorial
8	138146	1	• LABEL, No smoking pictorial
9	143688	2	• LABEL, Lift point
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	195421	2	• LABEL, Fork pins warning
15	119674	1	• LABEL, Battery disconnect switch pictorial
16	207462	1	• LABEL, Hot surface pictorial large
17	195422	1	• LABEL, Lifting hook
18	115543	1	• LABEL, No step
19	172946	1	• LABEL, Towing capacity SJ519 TH
20	124767	2	• LABEL, Lift point/tie down
21	173081	1	• LABEL, Warning California proposition 65
22	220515	1	• LABEL GROUP, 5k cab labels (not shown)
23	144632	1	LABEL, Oil pan/hyd oil heater/ batt warmer
24	144635	1	LABEL, Arctic engine oil

11.3 Cab Labels Layout



TH5k-Inside Cab labels

11.3 Cab Labels Layout

Index No.	Skyjack Part No.	Qty.	Description
-	220515	1	CAB LABELS ASSEMBLY
1	195424	1	• LABEL, Hazard identification
2	204421	2	• LABEL, Pictorial emergency exit procedure
3	172942	1	• LABEL, Left dash panel safety info
4	172943	1	• LABEL, Attach. Quick connect/flow dir
5	191448	1	• LABEL, Right side dash
6	105352	1	• LABEL, Horn pictorial
7	172940	1	• LABEL, Joystick controls 5k
8	172941	1	• LABEL, Flow control valve
9	123628	1	• LABEL, Manual storage box
10	152246	1	• LABEL, Door open instructions
11	195425	1	• LABEL, Transportation reminder
12	926902	1	• LABEL, F-N-R
13	172967	1	• LABEL, Fuse panel sj519 th
14	172968	1	• LABEL, Right side relays 5k
15	172969	1	• LABEL, Left side relays 5k
16	172945	1	LABEL, Daily and weekly maintenance

**List Only
No Drawing Required**

No_drawing

11.4 Load Charts Group

Index No.	Skyjack Part No.	Qty.	Description
1	220519	1	CHARTS, Load SJ519 TH

 **Notes**

Section 12 – Tables

12.1 Recommended Fluids

Model SJ519 TH		
Engine		
Fuel Type		Ultra Low Sulfur Diesel (EN 590, ASTM D975) or Biodiesel B20
Fuel Tank Capacity		57 L (15.1 gal)
Recommended Oil Type		SAE 15W40
Engine Oil Capacity		8.5 L (9 Quart)
Coolant Type (Standard)		COOLANT-ANTIFREEZE 50/50 PREMIX *
Coolant Type (Cold Weather Option)		COOLANT-ANTIFREEZE 60/40 PREMIX *
Coolant Tank Capacity		12 L (3.2 gal)
Transmission		
Hydrostatic	Oil Type	ATF Dexron 3
Axles		
Differential		API GL5 LS
Front Gear Box Capacity		0.72 L (0.76 Quart)
Front Central House Capacity		5.0 L (5.3 Quart)
Rear Central House Capacity		4.6 L (4.9 Quart)
Front Wheel Hub Capacity		0.9 L (0.95 Quart) per hub
Rear Wheel Hub Capacity		0.9 L (0.95 Quart) per hub
Hydraulic Oil		
Standard Factory Fill		ATF Dexron III
Type		ATF Dexron III or equivalent
Hydraulic Tank Capacity		70 L (18.5 gal)
Grease Points		
Type		EP2 Grease

* Refer to engine manufacturer's manual

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