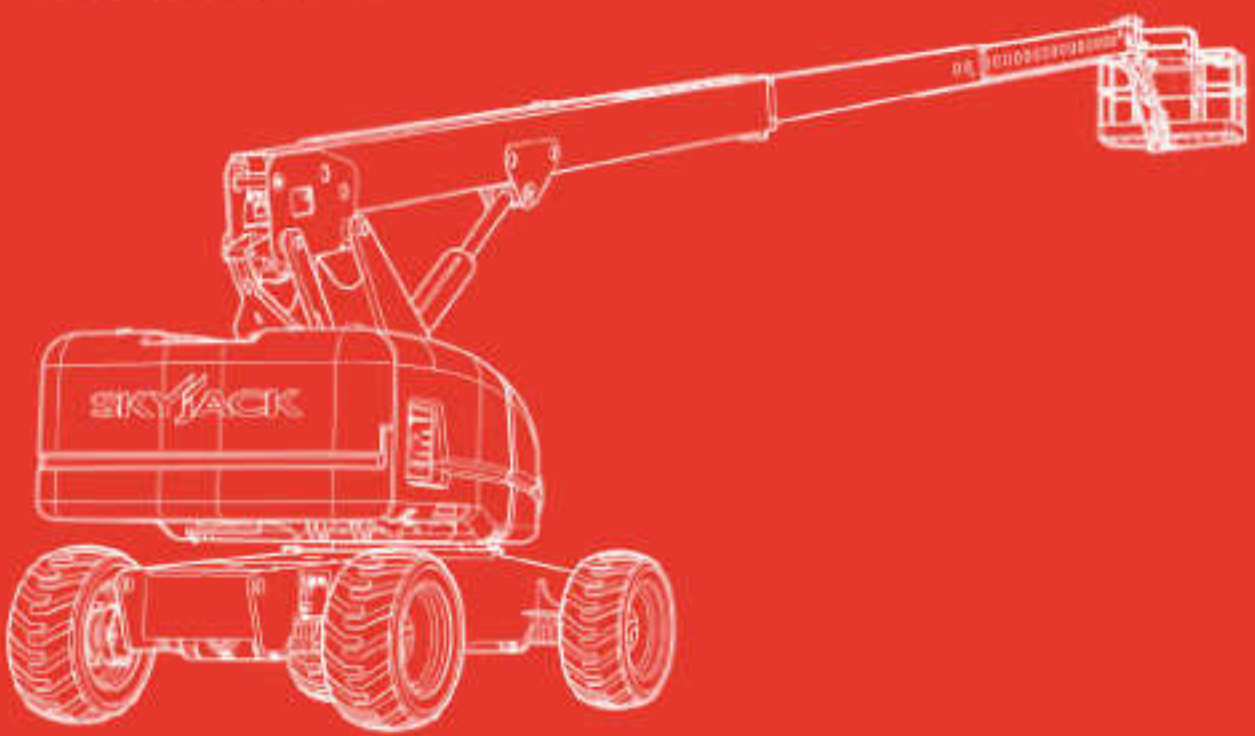
SKYJACK

PARTS MANUAL

SJ82 T, SJ86 T

TELESCOPIC BOOMS



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June 8 2026
ANSI/CSA, CE, AS

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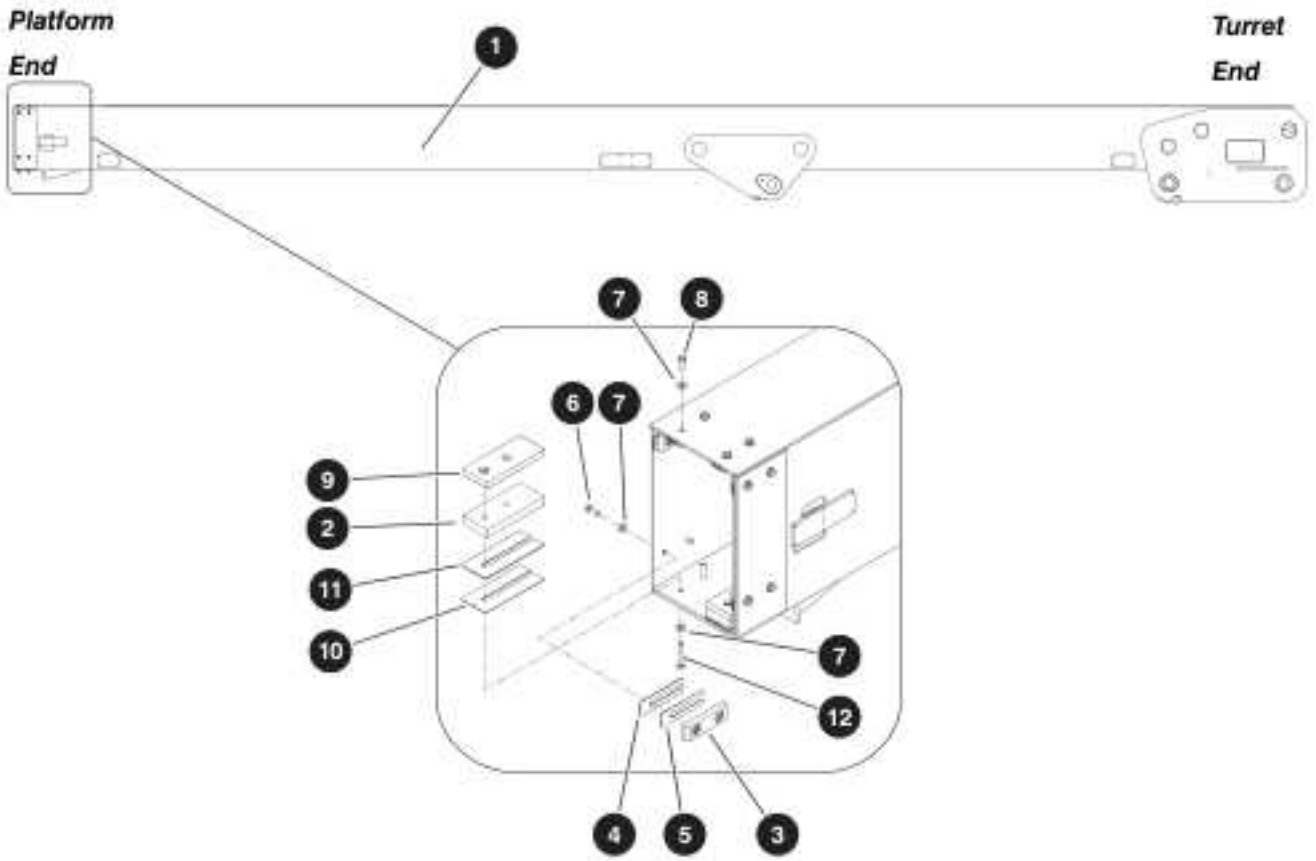
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2.2 Main Boom



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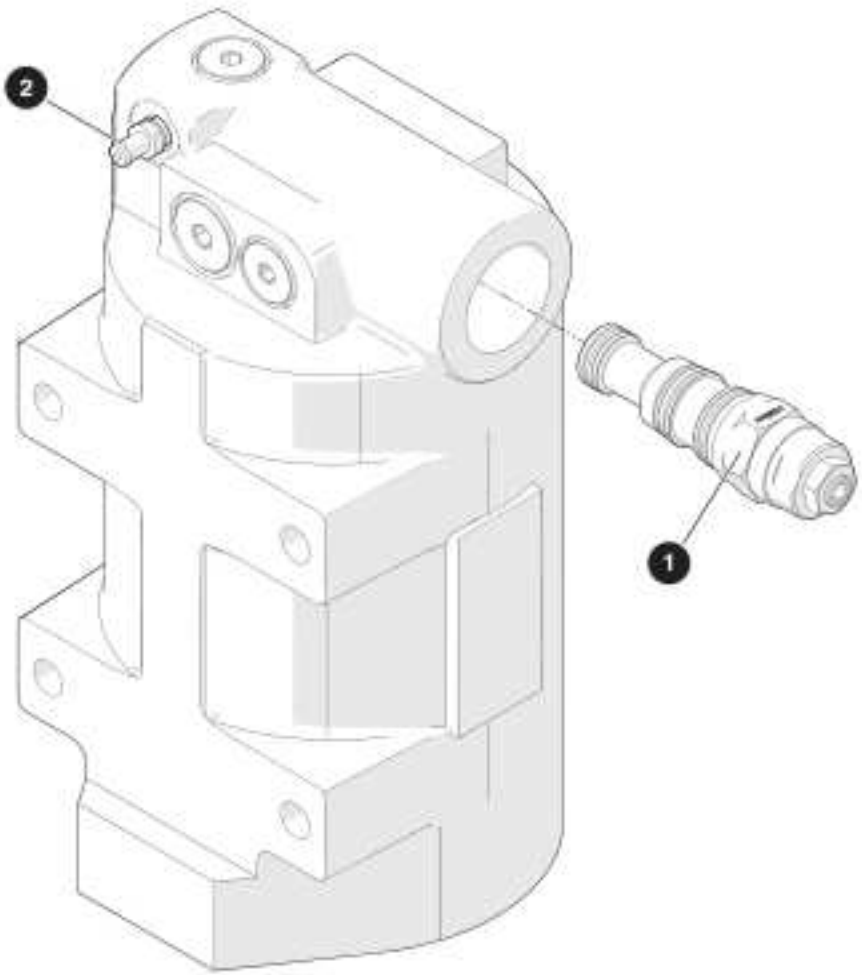
Index No.	Skyjack Part No.	Qty.	Description
-	165620	1	MAIN BOOM ASSEMBLY
1	165621	1	• WELDMENT, Main boom
2	171975	2	• BLOCK (3" x 7")
3	148828	6	• PAD, Wear (5.00" x 1.50" x 0.625")
4	148837	6	• SHIM, 16 gauge (1.50" x 5.25")
5	148838	6	• SHIM, 20 gauge (1.50" x 5.25")
6	103473	12	• BOLT, Hex head (0.375"-16 x 1.00" gr 5)
7	103472	16	• WASHER, Flat (0.375")
8	300437	4	• BOLT, Hex head (0.375"-16 x 0.875" gr 5)
9	171977	2	• PAD, Wear (3" x 7" x 5/8")
10	164961	2	• SHIM, 16 gauge (3" x 7")
11	164962	2	• SHIM, 20 gauge (3" x 7")
12	103870	4	• BOLT, Hex head (0.375"-16 x 1.50" gr 5)

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3.6 Axle Lock Cylinder

⚠ WARNING

Do not mix different cylinder part numbers. Both the left and right cylinders must be the same part number. If you do not obey, there is a risk of death or serious injury.



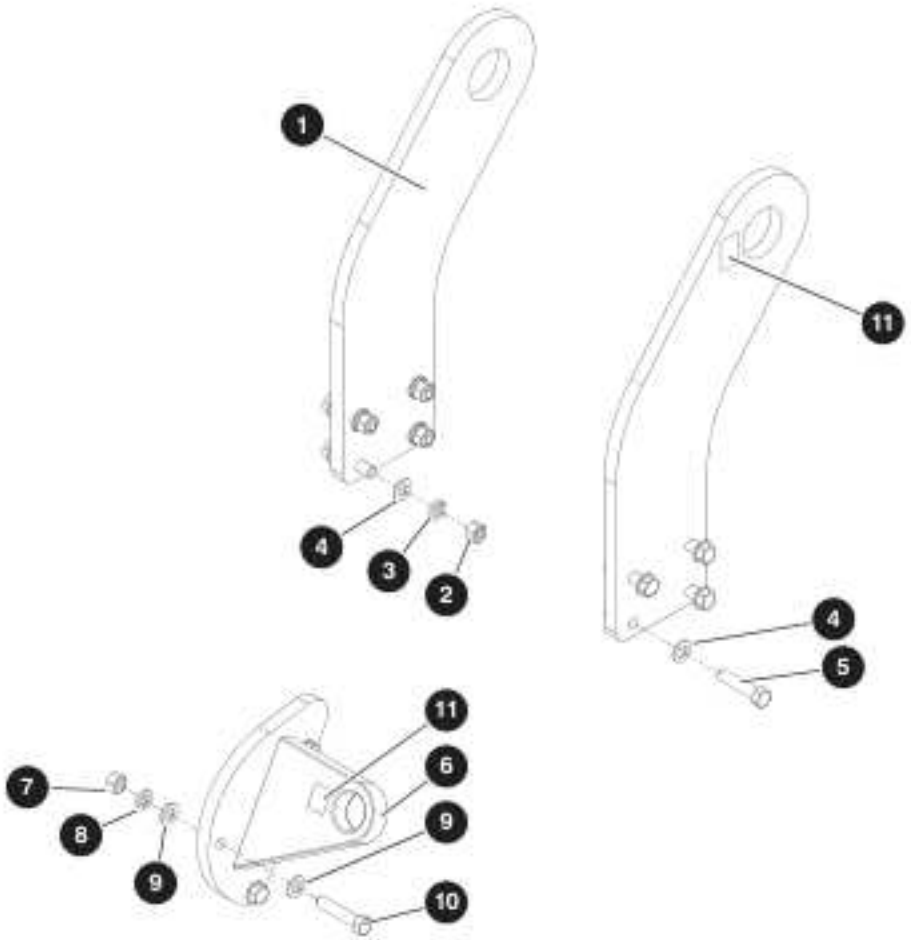
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Index No.	Skyjack Part No.	Qty.	Description
-	-	-	*Note:* For seal kits, order the seal kit that matches the existing cylinder (*A*, *B*, or *C*). Look for the cylinder part number stamped near the base of the barrel.
A	255646	2	CYLINDER, Axle lock - *for serial number A402 000 092 and above*
B	212871	2	CYLINDER, Axle lock - *for serial number A402 000 092 and above*
C	161095	2	CYLINDER, Axle lock - *for serial number A402 000 091 and below*
1	256735	1	• VALVE, Counterbalance (Vonberg 56T11-12-4800), *A*
	212872	1	• VALVE, Counterbalance (Eaton 406AA03519A), *B*
	160028	1	• VALVE, Counterbalance (Sun B211 26U F03), *C*
2	154561	1	• SCREW, Bleeder
3	255759	1	SEAL KIT, Axle lock cylinder, *A*
	154557	1	SEAL KIT, Axle lock cylinder, *B*, *C*

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9.22 Lifting Lugs



M168730AC

Index No.	Skyjack Part No.	Qty.	Description
-	168730	1	LIFTING LUGS
-	168731	1	• LIFTING LUGS - Front
1	166945	2	• • PLATE, Lifting lug
2	138462	8	• • NUT, Hex head (0.75"-10 gr C)
3	104002	8	• • WASHER, Lock (0.75")
4	702194	16	• • WASHER, Flat hardened (0.75")
5	113489	8	• • BOLT, Hex head (0.75"-10 x 3.25" gr 8)
-	168738	1	• LIFTING LUGS - Rear
6	170347	1	• • PLATE, Lifting lug
7	138462	3	• • NUT, Hex head (0.75"-10 gr C)
8	104002	3	• • WASHER, Lock (0.75")
9	702194	6	• • WASHER, Flat hardened (0.75")
10	103893	3	• • BOLT, Hex head (0.75"-10 x 3.50" gr 8)
11	153401	4	• LABEL, Lift point

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4.19 Base Controls - Deutz TD2.9L & D2011

Index No.	Skyjack Part No.	Qty.	Description
A	250081	1	BASE CONTROLS - *SJ82 T ANSI/CSA - Deutz TD2.9L SN A402 001 125 & above*
B	218437	1	BASE CONTROLS - *SJ82 T ANSI/CSA - Deutz TD2.9L SN A402 001 124 & below*
C	250087	1	BASE CONTROLS - *SJ82 T ANSI/CSA - Deutz TD2.9L with Posi-Air Option SN A402 001 125 & above*
D	231370	1	BASE CONTROLS - *SJ82 T ANSI/CSA - Deutz TD2.9L with Posi-Air Option SN A402 001 124 & below*
E	231381	1	BASE CONTROLS - *SJ82 T ANSI/CSA - Deutz D2011*
F	250084	1	BASE CONTROLS - *SJ86 T ANSI/CSA - Deutz TD2.9L SN A402 001 125 & above*
G	232009	1	BASE CONTROLS - *SJ86 T ANSI/CSA - Deutz TD2.9L SN A402 001 124 & below*
H	250090	1	BASE CONTROLS - *SJ86 T ANSI/CSA - Deutz TD2.9L with Posi-Air Option SN A402 001 125 & above*
I	231366	1	BASE CONTROLS - *SJ86 T ANSI/CSA - Deutz TD2.9L with Posi-Air Option SN A402 001 124 & below*
J	231388	1	BASE CONTROLS - *SJ86 T ANSI/CSA & AS - Deutz D2011*
K	231392	1	BASE CONTROLS - *SJ86 T CE - Deutz D2011*
L	231429	1	BASE CONTROLS - *SJ86 T CE - Deutz TD2.9L*
-	231374	1	• CONTROL BOX
1	231375	1	• • BODY, Control box
2	198353	1	• • DOOR, Control box
3	171504	1	• • PANEL, Control box
4	138715	1	• • LATCH, Slotted door
5	138723	1	• • WEATHER STRIP
6	138714	1	• • HINGE, Continuous
7	103995	4	• • WASHER, Flat (1/4")
8	115649	4	• • NUT, Hex lock (1/4"-20 Grade 5, nylon)
9	138724	4	• • STANDOFF, Nylon (1/4" ID x 1/2" long)
10	195940	1	• HOUR METER, *A, B, C, D, E, F, G, H, I, J*
	170787	1	• HOUR METER/COUNTER, *K, L*
11	102853	4	• SWITCH, Toggle, *A*
	102853	5	• SWITCH, Toggle, *B, C, E, F*
	102853	6	• SWITCH, Toggle, *D, G, H, J, K, L*
	102853	7	• SWITCH, Toggle, *I*
12	138278	2	• SWITCH, Toggle
13	164833	1	• SWITCH ASSEMBLY, Key, *A, B, C, D, E, F, G, H, I, J*
	165828	1	• SWITCH ASSEMBLY, Key, *K, L*
	147056	1	• • LATCH, Mounting
	147053	1	• • BLOCK, NO Contact (red plunger), *A, B, C, D, E, F, G, H, I, J*
	166141	1	• • BLOCK, NO Contact (black plunger)
	166142	1	• • BLOCK, NC Contact (yellow plunger)
	149605	1	• • SWITCH HEAD, Selector, *A, B, C, D, E, F, G, H, I, J*
	165829	1	• • SWITCH HEAD, Selector, *K, L*
	104466	1	• • • KEY
14	144652	1	• SWITCH, Emergency stop red
	147056	1	• • LATCH, Mounting
	147053	1	• • BLOCK, NC Contact
	147229	1	• • SWITCH, LED block
	147051	1	• • HEAD, Emergency stop switch

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1.8 Platform Control Box

Index No.	Skyjack Part No.	Qty.	Description
A	218445	1	PLATFORM CONTROL BOX - *SJ82 T ANSI/CSA with Eaton drive pump/motors*
B	244413	1	PLATFORM CONTROL BOX - *SJ82 T ANSI/CSA with Hengli drive pump/motors*
C	232255	1	PLATFORM CONTROL BOX - *SJ86 T ANSI/CSA with Eaton drive pump/motors*
D	244414	1	PLATFORM CONTROL BOX - *SJ86 T ANSI/CSA with Hengli drive pump/motors*
E	224665	1	PLATFORM CONTROL BOX - *SJ86 T CE Deutz TCD2.2 with Eaton drive pump/motors*
F	244411	1	PLATFORM CONTROL BOX - *SJ86 T CE Deutz TCD2.2 with Hengli drive pump/motors*
G	231395	1	PLATFORM CONTROL BOX - *SJ86 T CE Deutz D2011 with Eaton drive pump/motors*
H	244412	1	PLATFORM CONTROL BOX - *SJ86 T CE Deutz D2011 with Hengli drive pump/motors*
I	231390	1	PLATFORM CONTROL BOX - *SJ86 T AS with Eaton drive pump/motors*
J	244415	1	PLATFORM CONTROL BOX - *SJ86 T AS with Hengli drive pump/motors*
	243783	1	• • BOX, Platform control, *A, B, C, D, G, H, I, J*
	243784	1	• • BOX, Platform control, *E, F*
1	168670	1	• • • BODY, Control box, *A, B, C, D, G, H, I, J*
	224667	1	• • • BODY, Control box, *E, F*
2	218421	1	• • • LID, Control box
3	149384	1	• • • HINGE, LH
4	149385	1	• • • HINGE, RH
5	138715	2	• • • LATCH, Slotted door
6	138334	1	• • • WEATHER STRIP, Cut
7	159879	2	• • • STUD, Aluminum (10-32 x 0.375")
8	103960	8	• • • SCREW, Round head machine (10-24 x 1/2")
9	163512	8	• • • WASHER, Internal tooth (#10)
10	(Ref.)	1	• • CONTROLLER, Boom / Turret Controller (Dual Axis) *(For components, refer to 1.9 Boom / Turret Controller)*
11	(Ref.)	1	• • CONTROLLER, Drive / Steer (Single Axis) *(For components, refer to 1.10 Drive / Steer Controller)*
12	138226	1	• • CONTROLLER, Function Speed (Unidirectional)
	198762	1	• • • KNOB, Rotary controller
13	(Ref.)	1	• • PLATFORM CONTROL BOX TERMINAL STRIP *(For components, refer to 1.12 Platform Terminal Strip)*
14	246316	1	• • MODULE, Controller - SCM32D-104, *A, C, E, G, I*
	244405	1	• • MODULE, Controller, *B, D, F, H, J*
15	103057	1	• • BEEPER, 4-28VDC Slow pulsing
16	144387	1	• • ALARM, Continous tone
17	127131	12	• • RELAY, 12V (40 AMP)
18	138749	12	• • SOCKET, Automotive relay
19	138751	2	• • HOUSING, Open bottom 24 pin levered
20	138756	1	• • SOCKET, 24 Pin spring (16A)
21	138755	1	• • PLUG, 24 Pin spring (16A)
-	241806	1	• • PLATFORM CONTROL BOX INDICATING LIGHT REPLACEMENT FIELD KIT
	243782	1	• • • PLATE, Lid - control box
22	213303	2	• • • LIGHT, LED - green
23	213308	2	• • • LIGHT, LED - red
24	213307	2	• • • LIGHT, LED - amber
	103960	2	• • • SCREW, Round head machine (10-24 x 1/2")
	103987	2	• • • NUT, Hex (10-24)
	104694	2	• • • WASHER, Flat (#10)

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