MODELS | SJ8831 RT SJ8841 RT



Parts Manual

Full-Size Rough Terrain Series

Part No. 143902AG December 20, 2022

SKYJACK

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Figure 3.1 Base Axles And Wheels (Continued)

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from the previous page.
19	103198	16	BOLT, Wheel (5/8-18) (Front idle axle)
	116801	16	NUT, Wheel (5/8-18) (Front drive axle)
20	121038	AR	LADDER ASSEMBLY, End access (Model 8831)
	121026	1	• LADDER, End access (Model 8831)
	121032	1	• BUMPER, End access (See item 25)
	121035	1	• BRACKET, End access (See item 23)
	121036	1	• BRACKET, End access (See item 24)
	103978	4	• NUT, Hex head (3/8-16 Grade 5)
	103999	10	• WASHER, Lock (3/8 NOM.)
	103473	10	• BOLT, Hex head (3/8-16 Grade 5)
21	121037	AR	LADDER ASSEMBLY, End access (Model 8841)
	121025	1	• LADDER, End access (Model 8841)
	121032	1	• BUMPER, End access (See Item 25)
	121035	1	• BRACKET, End access (See Item 23)
	121036	1	• BRACKET, End access (See Item 24)
	103978	4	• NUT, Hex head (3/8-16 Grade 5)
	103999	10	• WASHER, Lock (3/8 NOM.)
	103473	10	• BOLT, Hex head (3/8-16 Grade 5)
22	121035	1	• BRACKET, End access
23	121036	1	• BRACKET, End access
24	121032	1	• BUMPER, End access
25	123788	2	ADDITIONAL WEIGHT ASSEMBLY (Model 8841 Air tire without outriggers)
	123802	1	• WELDMENT, Additional weight
	120562	2	• PLATE, Cover
	101632	4	• BOLT, Hex head (3/8-16 x 0.75")
	103999	4	• WASHER, Lock (3/8")
26	123760	1	STATIC STRAP ASSEMBLY (LPS Option)
	123752	2	• STRAP, Static
	101632	1	• BOLT (3/8-16 x 0.75)
	103999	1	• WASHER, Lock (3/8")
27	124342	1	KIT, Emergency Lowering access bar
	132477	1	• BAR ASSEMBLY, Emergency lowering access (ANSI/CSA)
	108767	1	• BAR ASSEMBLY, Emergency lowering access (CE)
	119920	2	• CLIP, Spring
	103964	2	• BOLT, Machine (#10-32 x 1/4")
	124160	2	• PIN, Locking
28	-	-	CLAMP ASSEMBLY (Ontario Hydro) (Not shown)
	104528	2	CLAMP, Gear (#28 1 3/4)
	124176	12"	PROTECTOR, Wire (1 1/4")
	103995	1	WASHER, Flat (1/4 S.A.E.)
	103078	1	CLIP, Double (G10)
	103632	1	BOLT, Self tapping (1/4" - 14 x 0.75")
29	145976	1	TANK, Propane

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Figure 4.2 Front Axle Hardware Assembly - All Wheel Drive Option (Cushman Axles)

Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	-	FRONT AXLE ASSEMBLY (Cushman Axles) (For components, refer to Figure 4.3)
2	(Ref.)	-	STEER CYLINDER ASSEMBLY (For components, refer to Figure 4.8)
3	(Ref.)	-	WHEEL HUB ASSEMBLY (For components, refer to Figure 4.6)
4	(Ref.)	-	WHEEL, Tire (For components, refer to Figure 3.1)
5	103315	16	NUT, Wheel (5/8"-18 0.656, 90°)
6	(Ref.)	-	DRIVE SHAFT ASSEMBLY (For components, refer to Figure 4.12)
7	900542	1	BOOT, Rubber
8	(Ref.)	-	BEARING STRAP ASSEMBLY (For components, refer to Figure 4.12)
9	123856	8	NUT, Hex (1/2"-13 Grade 8)
10	126286	8	WASHER, Lock (1/2" Heavy duty)
11	128828	8	BOLT, Hex head (1/2"-13 Grade 8 x 5.0)
12	(Ref.)	-	TIE ROD (For components, refer to Figure 4.3)
13	(Ref.)	-	OIL, Gear (Refer to Table 1.1)
14	(Ref.)	-	PIN ASSEMBLY (For components, refer to Figure 4.3)

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Figure 4.9 Front Axle Assembly (For 4-wheel Drive Aerial platforms) (Dana Axles)

Index No.	Skyjack Part No.	Qty.	Description
1	(Ref.)	-	WELDMENT, Axle front (4WD SJ800/1000) (Dana Axles) (For components, refer to Figure 4.10)
2	(Ref.)	-	DRIVE SHAFT, Front (SJ-800) (For components, refer to Figure 4.12)
3	(Ref.)	-	OIL, Gear (Refer to Table 1.1.)
4	(Ref.)	-	NUT, Wheel (5/8-18 0.862, 90°) (For components, refer to Figure 3.1)
5	(Ref.)	-	WHEEL ASSEMBLY (For components, refer to Figure 3.1)
6	102045	1	BOLT, Hex head (1/2-20 x 1 3/4, grade 8)
7	102030	1	STEERING ARM
8	122071	1	PIN, Cotter (1/8" x 2")
9	120191	1	NUT, Castle tie rod
10	120845	1	STEERING, Arm support
11	123855	1	BOLT, Hex head (1/2 - 20 x 2 3/4, grade 8)
12	126286	1	WASHER, Lock (1/2 Heavy duty)
13	123856	1	NUT, Hex (1/2-13, Grade 8)
14	(Ref.)	-	BEARING STRAP ASSEMBLY (For components, refer to Figure 4.12)
15	(Ref.)	-	BOOT, 4WD (For components, refer to Figure 4.12)
16	100252	1	NUT, Hex head (3/4 - 10 grade 8)
17	102028	1	SPACER (3/4" x 1" x 7/16")
18	102646	1	WASHER, Flat
19	103893	1	BOLT, Hex head (3/4 - 10 x 3-1/2", grade 8)
20	(Ref.)	-	STEER CYLINDER ASSEMBLY (For components, refer to Figure 4.11)
21	(Ref.)	-	CAP, Lower king pin (For components, refer to Figure 4.10)

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Figure 3.1 Base, Axles And Wheels

Index No.	Skyjack Part No.	Qty.	Description
1	155771	1	WELDMENT, Base (Standard)
	155793	1	WELDMENT, Base (w/ Outrigger option)
			Order P/Ns below for machines with S/N: 36000228 or 40000636 and below
	133684	1	WELDMENT, Base (w/ End Access)
	133686	1	WELDMENT, Base (w/ Outrigger option)
	133682	1	WELDMENT, Base (w/ Scissor Guard option)
	133685	1	WELDMENT, Base (w/ Standard or Scissor Guard & Outrigger option)
2	(Ref.)	-	ENGINE ROLL OUT TRAY ASSEMBLY (For components, refer to Figure 5.1)
3	(Ref.)	-	DISC BRAKE ASSEMBLY **Cushman Axles** (For components, refer to Figure 4.17) **Dana Axles** (For components, refer to Figure 4.19)
4	(Ref.)	-	HYDRAULIC/ELECTRIC CABINET ASSEMBLY (For components, refer to Figure 3.6)
5	(Ref.)	-	FUEL TANK/HYDRAULIC OIL TANK CABINET ASSEMBLY (For components, refer to Figure 3.3)
	103473	4	• BOLT, Hex head (3/8-16 x 1")
	103472	8	• WASHER, Flat (3/8")
	103999	4	• WASHER, Lock (3/8")
	112601	4	• NUT, Lock Flange (3/8-16)
6	151977	2	LADDER **(Model 8831)**
	151979	2	LADDER **(Model 8841)**
	103473	8	BOLT, Hex head (3/8-16 x 1")
	103472	8	WASHER, Flat (3/8)
	104606	8	NUT, Hex (3/8-16, Grade 5)
7	(Ref.)	-	FRONT IDLE AXLE ASSEMBLY (2WD) (For components, refer to Figure 4.1)
	(Ref.)	-	FRONT DRIVE AXLE ASSEMBLY (4WD) **Cushman Axles** (For components, refer to Figure 4.3) **Dana Axles** (For components, refer to Figure 4.10)
	123855	8	• BOLT, Hex head (1/2-13 x 2-3/4" Grade 8)
	126286	8	• WASHER, Lock (1/2" Heavy duty)
	123856	8	• NUT, Hex head (1/2-13 Grade 8)
8	(Ref.)	-	REAR DRIVE AXLE ASSEMBLY **Cushman Axles** (For components, refer to Figure 4.15) **Dana Axles** (For components, refer to Figure 4.18)
	123855	8	• BOLT, Hex head (1/2-13 x 2-3/4" Grade 8)
	126286	8	• WASHER, Lock (1/2" Heavy duty)
	123856	8	• NUT, Hex head (1/2-13 Grade 8)
9	(Ref.)	-	CENTER DRIVE AND DRIVE SHAFT ASSEMBLY (For components, refer to Figure 4.14 and 4.12)
	111420	4	• BOLT, Hex head (1/2-13 x 4-1/2")
	103470	4	• WASHER, Lock (1/2")
	103468	4	• WASHER, Flat (1/2")
10	116801	16	NUT, Wheel (5/8-18) (Rear drive axle)
			Parts list continued on the following page.

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Figure 7.1 Label Kit

Label Kits

The following label kits are for models SJ 8831 and 8841. Each contains labels that are common to both aerial platforms.

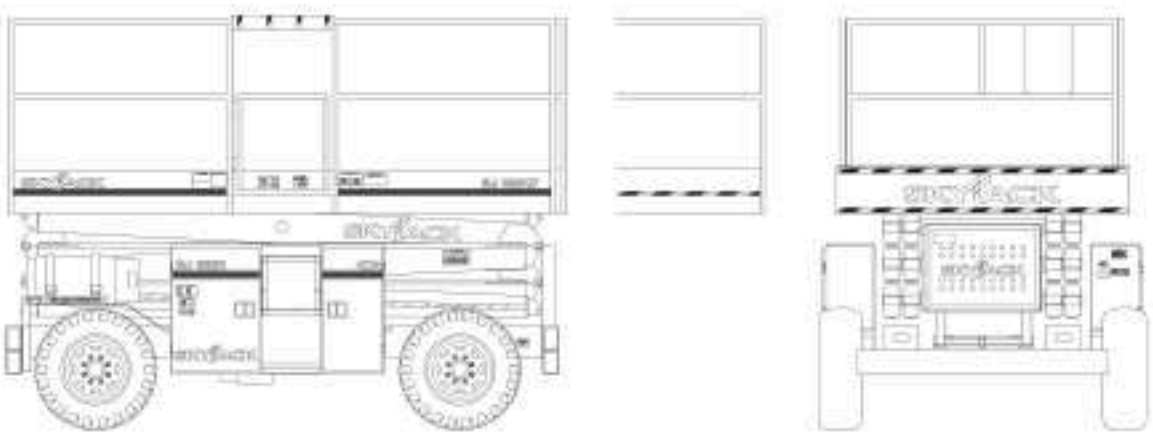
It excludes:

- **serial numbers**
- **nameplates**
- **registrations**
- **stripes**
- **tapes**
- **platform capacities**
- **model designations**
- **all special options**

There are two kits for these aerial platforms, one for ANSI/CSA and one for CE. Supply model number, country and language when ordering complete aerial platform labels.

Label Kit		
MODELS	ANSI/CSA	CE
	Part # 149814	Part # 149815
SJ 8831	36000194 to 36000232	36000194 to 36000228
SJ 8841	40000442 to 40000727	40000442 to 40000635

6041AD



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