

PARTS MANUAL (ANSI/CSA & KC)

ROUGH TERRAIN SCISSORS

MODELS SJ8831 RT SJ8841 RT

160616AH December 19, 2022

SKYJACK

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Index No.	Skyjack Part No.	Qty.	Description
			NOTE: Part numbers followed by "DG" indicate dark grey painted parts.
1	110363DG	1	WELDMENT, Inner scissor (1st level)
2	(Ref.)	-	BAR, Centering mounting assembly (For components, refer to Section 2.3)
3	(Ref.)	-	END PIN ASSEMBLY (For components, refer to Section 2.4)
4	110377DG	1	WELDMENT, Inner scissor (2nd level)
5	(Ref.)	-	PIN, Lift cylinder pivot assembly (For components, refer to Section 2.4)
6	(Ref.)	-	ASSEMBLY, Top slider (For components, refer to Section 2.3)
7	111954	1	SAFETY BAR LATCH ASSEMBLY
	102780	1	• LATCH, Safety bar
	111534	1	• KNOB, Latch (Model 8831)
	103855	1	• BOLT, Hex head (1/4"-20)
	104000	1	• WASHER, Lock (1/4")
8	110395DG	1	WELDMENT, Inner scissor (3rd level)
9	124753	1	CLAMP ASSEMBLY (Ontario Hydro)
	103078	4	• CLAMP, Double (G10)
	124445	8	• CLAMP, Double
	103962	8	• SCREW, Machine (#10-32 x 1/2")
	104694	8	• WASHER, Flat (#10 S.A.E)
	104185	8	• WASHER, Lock (#10 NOM)
	104003	8	• NUT, Machine (#10-32, Grade 5)
	124763	1	• LABEL, Ontario Hydro
10	110361DG	1	WELDMENT, Outer scissor (3rd level)
11	110347DG	1	WELDMENT, Outer scissor (2nd level)
12	(Ref.)	-	LIFT CYLINDER ASSEMBLY (For components, refer to Section 2.7)
13	111172	1	HOLDING VALVE CORD ASSEMBLY (Not shown)
	127315	2	• CONNECTOR, Solenoid (with diode)
14	(Ref.)	-	LIMIT SWITCH PIN ASSEMBLY (For components, refer to Section 2.4)
15	110328DG	1	WELDMENT, Outer scissor (1st level)
16	103937	AR	BOLT, Socket (3/8"-16 x 3/4", Grade 5)
17	111135	4	BUMPER, Scissor arm (2.5" x 1.0625") (Arm)
	105395	4	BUMPER, Scissor arm (2.5" x 1.5") (Base)
18	(Ref.)	-	ASSEMBLY, Bottom slider (For components, refer to Section 2.3)
19	(Ref.)	-	ASSEMBLY, Center pin (For components, refer to Section 2.4)
20	131952	AR	SPACER, Bumper
21	103938	AR	BOLT, Socket (3/8-16 x 1.5", Grade 5)
22	112440DG	1	WELDMENT, Centering bar pivot/lowering valve
	103865	1	• BOLT, Adjusting (5/16"-18 x 2")
	103984	1	• NUT, Lock (5/16"-18)
23	(Ref.)	-	VALVE AND VALVE BLOCK ASSEMBLY (For components, refer to Section 2.8)
24	(Ref.)	-	BEEPER/LIGHT AND HORN ASSEMBLIES (For components, refer to Section 2.5) and Section 2.6)

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Index No.	Skyjack Part No.	Qty.	Description
			NOTE: Part numbers followed by "DG" indicate dark grey painted parts.
1	155771DG	1	WELDMENT, Base (ANSI/CSA, no outriggers)
	155793DG	1	WELDMENT, Base (ANSI/CSA, with outriggers)
	158267DG	1	WELDMENT, Base (KC, with outriggers)
2	137814	2	PLATE, Bracket (Dual fuel option)
	103859	4	BOLT, Hex head (1/4"-20 x 1.5", grade 5)
	103980	4	NUT, Hex head (1/4"-20, grade 5)
	103995	4	WASHER, Flat (1/4")
	104000	4	WASHER, Lock (1/4")
3	145976	1	TANK, Propane
4	103020	1	STRAP, Propane tank (set of 2) (Dual fuel option)
5	110760DG	1	WELDMENT, Propane tank mount RH (Dual fuel option)
6	(Ref.)	-	FUEL TANK/HYDRAULIC OIL TANK CABINET ASSEMBLY (For components, refer to Section 3.4)
	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)
7	(Ref.)	-	DUAL FUEL / DIESEL ENGINE ASSEMBLY (For Kubota diesel components, refer to Section 5.4) (For GM dual fuel components, refer to Section 5.10)
8	(Ref.)	-	ENGINE ROLL OUT TRAY ASSEMBLY (For components, refer to Section 5.1)
9	(Ref.)	-	CENTER DRIVE AND DRIVE SHAFT ASSEMBLY (For components, refer to Section 4.13) and Section 4.10)
	111420	4	BOLT, Hex head (1/2"-13 x 4.5")
	103470	4	WASHER, Lock (1/2")
	103468	4	WASHER, Flat (1/2")
10	(Ref.)	-	FRONT IDLE AXLE ASSEMBLY (2WD) (For components, refer to Section 4.1)
	(Ref.)	-	FRONT DRIVE AXLE ASSEMBLY (4WD) (For components, refer to Section 4.3)
	123855	8	BOLT, Hex head (1/2"-13 x 2.75", Grade 8)
	126286	8	WASHER, Lock (1/2", Heavy duty)
	123856	8	NUT, Hex head (1/2"-13, Grade 8)
11	103198	16	BOLT, Wheel (5/8"-18) (front 2WD axle)
	116801	16	NUT, Wheel (5/8"-18) (front 4WD axle)
12	-	1	WHEEL ASSEMBLY (For components, refer to Section 3.2)
13	116801	16	NUT, Wheel (5/8"-18) (rear drive axle)
14	(Ref.)	-	REAR DRIVE AXLE ASSEMBLY (For components, refer to Section 4.14)
	123855	8	BOLT, Hex head (1/2"-13 x 2.75", Grade 8)
	126286	8	WASHER, Lock (1/2", Heavy duty)
	123856	8	NUT, Hex head (1/2"-13, Grade 8)

Parts list continued on the following page.



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Index No.	Skyjack Part No.	Qty.	Description
			NOTE: Part numbers followed by "DG" indicate dark grey painted parts.
1	(Ref.)	-	AXLE SHAFT ASSEMBLY (For components, refer to Section 4.7)
2	133465	4	CUP, Tapered roller bearing
3	133471	4	SEAL, Oil
4	103910	16	BOLT, Hex head (1/2"-13 x 1.25", Grade 8)
5	133466	4	CONE, Tapered roller bearing C/W rollers
6	133484	4	FITTING, Self tapping grease
7	133483	4	CAP, Axle knuckle bearing
8	133442	4	KINGPIN
9	133450DG	2	KNUCKLE, Axle
10	133478	12	STUD, Spindle
11	126295	12	NUT, Top lock (zinc, 1/2"-20, Grade C)
12	133472	2	SEAL, Exclusion
13	133470	2	SEAL, Oil
14	133467	2	BEARING, Caged needle
15	133464	2	CONE, Tapered roller bearing C/W rollers
16	133444	2	SPINDLE, Wheel
17	133416	2	CONE, Tapered roller bearing C/W rollers
18	133433	2	GASKET, Wheel hub
19	133445	2	ADAPTER, Flanged
20	133482	2	RING, Retaining
21	133454	2	END CAP, Axle
22	133418	4	NUT, Wheel bearing
23	133419	2	WASHER, Head hex cap (1/2"-13 x 4.25", Grade 8)
24	133423	16	NUT, Top lock (zinc, 7/16"-20, Grade C)
25	133428	16	BUSHING, Tapered
26	(Ref.)	-	WHEEL HUB ASSEMBLY (For components, refer to Section 4.6)
27	133435	AR	Grease, Wheel bearing
K	157554	AR	KIT, Shim (Kingpin)

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Index No.	Skyjack Part No.	Qty.	Description
1	158554	2	LABEL, Skyjack
2	124465	2	LABEL, Side force
3	158912	2	LABEL, Daily maintenance
4	119803	AR	TAPE, Caution 1" wide
5	124362	2	LABEL, Do not wear jewelry
6	132775	2	LABEL, Platform capacity 2500 (500/700/500) 5P **(Model 8831 ANSI/CSA** with #6 air or foam tires, or #7 foam tires**)**
	132832	2	LABEL, Platform capacity 2000 (500/400/500) 5P **(Model 8831 ANSI/CSA** with #7 air tires**)**
	132833	2	LABEL, Platform capacity 1700 (500/500/500) 5P **(Model 8841 ANSI/CSA** with #6 air or foam tires, or #7 foam tires**)**
	133347	2	LABEL, Platform capacity 1250 (500/200/500) 5P **(Model 8841 ANSI/CSA** with #7 air tires**)**
	147936	2	LABEL, Platform capacity 1500 (500/500/500) 5P **(Model 8841 KC)** (Platform capacity labels are not included in label kit)
7	114252	2	LABEL, California proposition 65 **(ANSI/CSA)**
8	159550	2	LABEL, SJ8831 RT
	159622	2	LABEL, SJ8841 RT
9	139855	8	LABEL, Keep clear
10	119866	4	LABEL, Danger! Hand/foot pinch
11	156441	1	LABEL, Annual inspection
12	126928	4	LABEL, Tire pressure 75 psi **(ANSI/CSA** with #6 air tires**)**
	127298	4	LABEL, Tire pressure 45 psi **(ANSI/CSA** with #7 air tires**)**
	142384	4	LABEL, Foam fill (foam tires) (Tire pressure/foam fill labels are not included in label kit)
13	124631	4	LABEL, Wheel offset/pressure
14	132738	4	LABEL, Wheel load **(Model 8831 ANSI/CSA** with #7 air tires**)**
	133035	4	LABEL, Wheel load **(Model 8841 ANSI/CSA** with #6 air or foam tires, or #7 foam tires**)**
	134409	4	LABEL, Wheel load **(Model 8831 ANSI/CSA** with #6 air or foam tires or **8831 ANSI/CSA** with #7 foam tires or **8841 ANSI/CSA** with #7 air tires**)**
	155865	4	LABEL, Wheel load **(Model 8841 KC)** (Wheel load labels are not included in label kit)
15	147042	1	LABEL, Do not use above freezing (cold start option) (not included in kit)
16	147041	1	LABEL, Do not leave plugged in (cold start option) (not included in kit)
17	150854	2	LABEL, Noise 99 dB **(KC)**
18	158908	1	LABEL, Maintenance bar procedure
19	159620	2	LABEL, Skyjack SJ8831 Rough Terrain (not included in kit)
	159623	2	LABEL, Skyjack SJ8841 Rough Terrain (not included in kit)
20	120390	1	LABEL, Propane (dual fuel)
21	159620	2	LABEL, SJ8831 Rough Terrain 4X4 (not included in kit)
	159624	2	LABEL, SJ8841 Rough Terrain 4X4 (not included in kit)
22	123628	1	LABEL, Manual box
23	156613	1	LABEL, Do not alter

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Index No.	Skyjack Part No.	Qty.	Description
			NOTE: Part numbers followed by "DG" indicate dark grey painted parts.
1	-	-	ENGINE GUARD ASSEMBLY
	141861	1	• WELDMENT, Engine guard
	142402	1	• TRIM, Rubber (GM dual fuel engine)
	160606	1	• TRIM, Rubber (Kubota dual fuel engine)
	147327	1	• TRIM, Rubber (Kubota diesel engine)
2	103905	2	BOLT, Hex head (1/2"-13 x 2", Grade 5)
3	702507	2	NUT, Lock (1/2"-13)
4	133883DG	1	GUARD, Engine front lower (Kubota diesel engine)
5	103995	8	WASHER, Flat (1/4")
6	104000	6	WASHER, Lock (1/4")
7	103892	4	BOLT, Hex head (1/4"-20 x 5/8", Grade 5)
8	116494	3	BUMPER, Rubber
9	141693DG	1	WELDMENT, Engine tray (GM dual fuel and Kubota diesel engines)
	156977DG	1	WELDMENT, Engine Tray (Kubota dual fuel engine)
10	(Ref.)	-	ENGINE TRAY LOCK ASSEMBLY (For components, refer to Section 5.3)
11	142360	2	ROLLER, Engine plate w/bearing
12	116621	4	SHIM, Slide out pin
13	111351	2	ROLLER (2.75" OD x 7/8"ID x 1.1875")
14	111954	1	ENGINE GUARD DOOR LATCH ASSEMBLY (Right hand)
	102780	1	• LATCH, Rotary
	103404	3	• WASHER, Lock (5/16")
	103864	3	• BOLT, Hex head (5/16"-18 x 1", Grade 5)
	103857	1	• BOLT, Hex head (1/4"-20 x 1", Grade 5)
	104000	1	• WASHER, Lock (1/4")
	103980	1	• NUT, Hex head (1/4"-20, Grade 5)
	111534	1	• KNOB, Rotary latch
15	(Ref.)	-	PANEL, Engine control (For components, refer to Section 5.2)
16	103978	1	NUT, Hex head (3/8"-16, Grade 5) (GM and Kubota dual fuel engines)
17	103472	7	WASHER, Flat (3/8")
18	103999	10	WASHER, Lock (3/8")
19	123708	2	BOLT, Hex head (3/8"-16 x 4.25, Grade 5) (Kubota dual fuel and diesel engines)
20	104606	2	NUT, Hex head nylon lock (3/8"-16, Grade 5)
21	142243	1	BRACKET, Exhaust hanger mounting (GM and Kubota dual fuel engines)
22	143617	1	WELDMENT, Exhaust hanger (GM and Kubota dual fuel engines)
23	112601	2	NUT, Hex flange lock (3/8"-16) (GM and Kubota dual fuel engines)
24	103872	1	BOLT, Hex head (3/8"-16 x 2.25", Grade 5) (GM and Kubota dual fuel engines)
25	134345	1	ENERGY CHAIN ASSEMBLY (17 links)
	122998	1	• BRACKET, Carrier assembly mounting (male)
	122999	1	• BRACKET, Carrier assembly mounting (female)
26	132870	1	WELDMENT, Engine cover
27	101632	4	BOLT, Hex head (3/8"-16 x 3/4", Grade 5)
28	134221	1	SOUND PROOFING ASSEMBLY (Kubota diesel engine)
	134218	1	• SOUNDPROOFING, Insulation (Rear)
	134219	1	• COVER, Plate engine side (Right)
	134220	1	• COVER, Plate engine side (Left)
29	103864	8	BOLT, Hex head (5/16"-18 x 1", Grade 5)
30	103996	8	WASHER, Flat (5/16")

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