

PARTS MANUAL (ANSI/CSA & KC)

ROUGH TERRAIN SCISSORS

MODELS SJ8841 RT

163755AE December 2022

SKYJACK

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Table Of Contents

1.0 Platform Related Parts

1.1 Platform and Hinged Railing Assembly 8
1.2 Roll-Out Extension Deck Assembly 12
1.3 Powered Extension Deck Assembly 14
1.4 Quick Release Pins 16
1.5 Powered Extension Deck Cylinder Mounting Assembly 18
1.6 Powered Extension Deck Cylinder Assembly 19
1.7 Powered Extension Deck Control Box Assembly 20
1.8 Powered Extension Deck Electrical Panel 22
1.9 Hydraulic Hose Connections - Single Powered Extension Deck 24
1.10 Hydraulic Hose Connections - Dual Powered Extension Decks (8831) 25
1.11 Hydraulic Hose Connections - Dual Powered Extension Decks (8841) 26
1.12 Safety D-Ring Assembly 27
1.13 Platform Control Box Assembly - Hardware 28
1.14 Platform Control Box Assembly - Switches 30
1.15 Drive/Steer Controller Assembly 32
1.16 Platform AC Outlet 34

2.0 Scissor Related Parts

2.1 Scissor Assembly (Model 8831 ANSI/CSA) 36
2.2 Scissor Assembly (Model 8841) 38
2.3 Scissor Arm Mounting Hardware 42
2.4 Scissor Arm Connecting Hardware 44
2.5 Horn, Light and Beeper Assemblies 46
2.6 Beeper Assembly (KC) 48
2.7 Lift Cylinder Assembly 50
2.8 Hydraulic Hose Connections - Lift Cylinders 52
2.9 Holding Valve Assembly (Upper and Lower Lift Cylinder) 54
2.10 Holding Valve Assembly with Pressure Switch (KC - Lower Lift Cylinder) 55
2.11 Scissor Control Cable Assembly 56

3.0 Base Related Parts

3.1 Base Assembly 60
3.2 Tire Assemblies 64
3.3 Hydraulic Hose Connections - Base 66
3.4 Fuel/Hydraulic Tank Cabinet Assembly 68
3.5 Hydraulic Tank Assembly 70
3.6 Fuel Tank Assembly 72
3.7 Hydraulic/Electric Cabinet Assembly 74
3.8 Hydraulic Hose Connections - Cabinet 78
3.9 Brake Manifold Assembly 80
3.10 Motion Control Valve Assembly 81
3.11 Main Manifold Assembly 82
3.12 Electrical Panel Assembly 84
3.13 Electrical Harnesses 86
3.14 Base Controls Assembly 88

MidWestTech | Skyjack SJ8841 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

Table Of Contents

4.0 Axle Related Parts

4.1 Front Idle Axle Assembly - 2WD (ANSI/CSA) 90
4.2 Front Axle Hardware - 4WD 92
4.3 Front Axle Assembly - 4WD 94
4.4 Steer Cylinder Assembly - 2WD (ANSI/CSA) 96
4.5 Steer Cylinder Assembly - 4WD 98
4.6 Drive Shaft Assembly 99
4.7 Drive Motor Assembly 100
4.8 Brake Mount and Brake Assembly 101
4.9 Center Drive Assembly 102
4.10 Rear Drive Assembly 104
4.11 Rear Axle Assembly 106

5.0 Engine Related Parts

5.1 Engine Roll-Out Tray Assembly 110
5.2 Engine Control Panel 114
5.3 Engine Tray Lock Assembly 117
5.4 Kubota Diesel Engine Assembly (D1305) 118
5.5 Kubota Diesel Fuel System (D1305) 124
5.6 Kubota Diesel Engine Harness 126
5.7 Air Intake Assembly (Kubota D1305) 128
5.8 Hydraulic Pump Assembly 129
5.9 Exhaust Manifold Assembly (Kubota D1305) 130
5.10 Kubota Dual Fuel Engine Assembly (DF972) 132
5.11 Air Cleaner Assembly (Kubota DF972) 138
5.12 Exhaust Assembly (Kubota DF972) 139
5.13 Kubota Fuel Hose Connection (DF972) 140
5.14 Kubota Dual Fuel Engine Harness (DF972) 142

6.0 Optional Equipment

6.1 Hydraulic Hose Connections - Outriggers 144
6.2 Outrigger Assembly 146
6.3 Outrigger Cylinder Assembly 148
6.4 Outrigger Manifold Assembly 149
6.5 Outrigger Electrical Panel Assembly 151
6.6 Electrical Panel Connections - Hydraulic Outrigger with Auto-Level 152
6.7 Outrigger/Generator Control Console Assembly 154
6.8 3500W Hydraulic Generator and Oil Cooler Option 156
6.9 12kW Hydraulic Generator and Oil Cooler Option 158
6.10 Hydraulic Generator and Oil Cooler Assembly 160
6.11 12kW Generator Control Breaker Box and Mount Assembly 163
6.12 Hydraulic Hose Connections - 12kW Generator 164
6.13 Hydraulic Valve Assembly - 12kW Generator 165
6.14 Dual Flashing Light 166
6.15 Air Hose to Platform Assembly 168
6.16 Work Light Assembly 169
6.17 Cold Start 170
6.18 Gate Hand Rail Kit 171
6.19 GP-108 Controller 172
6.20 Flashing Light Relay Harness 173

MidWestTech | Skyjack SJ8841 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

Table Of Contents

7.0 Labels

7.1 Labels Kits 177
7.2 Labels - Right and Left Sides 178
7.3 Labels - Front and Rear 180
7.4 Labels - Outriggers 181
7.5 Labels - Miscellaneous 182
7.6 Labels - Control Boxes 184

8.0 Tables

8.1 Fluid Tables 188



MidWestTech | Skyjack SJ8841 RT Rough Terrain Scissor Lift Parts Manual | Publication 1... Order the manual at mid-west-tech.com >

Index No.	Skyjack Part No.	Qty.	Description
			NOTE: Part numbers followed by "DG" indicate dark grey painted parts.
			NOTE: **Quantities shown are for a single extension platform.**
1	107639	1	WELDMENT, Extension deck
	105829	2	• PIN, Roller (3/4" x 2.375")
	100141	2	• ROLLER, Rear
2	113164	1	CLAMP, Cable
3	117200	1	RAILING, Pivoting front
4	(Ref.)	-	CONTROL BOX, Powered extension platform (For components, refer to Section 1.5)
5	117199	1	RAILING, Extension deck side (Right hand)
6	(Ref.)	-	PIN ASSEMBLY, Quick release (For components, refer to Section 1.4)
7	160075DG	1	PLATE, Info/label mount
	103632	4	• BOLT, Self tapping (1/4"-14 x 3/4")
8	107057	4	PAD, Platform slide (3/8 x 1.75" x 4")
9	117198	1	RAILING, Extension deck side (Left hand)
10	111136	2	ROLLER, Extension deck
11	110425	8	PAD, Platform slider (1" diameter x 11/32")
12	(Ref.)	-	WELDMENT, Main platform (For components, refer to Section 1.1)
13	102237	2	PIN, Roller (3/4" x 3-11/32")
14	111289	1	POWER UNIT ASSEMBLY (12VDC)
	300243	1	• CAP, Filler/breather
	300248	1	• MOTOR (12 VDC)
	113172	AR	• • BRUSH SET, Motor
	300242	1	• SOLENOID (12 VDC)
	113173	1	• PUMP, Hydraulic (1.2 gpm)
	111290	1	• BLOCK, Manifold
15	111586	1	SPACER, Power unit mounting
16	110583DG	1	BRACKET, Power unit mounting
17	(Ref.)	1	PANEL ASSEMBLY, Powered deck electrical (For components, refer to Section 1.8)
	103864	2	• BOLT, Hex head (5/16"-18 x 1")
	103404	2	• WASHER, Lock (5/16")
	100397	2	• NUT, Hex (5/16"-18)
18	(Ref.)	-	CYLINDER ASSEMBLY, Powered extension deck (For components, refer to Section 1.6)
19	(Ref.)	-	RING KIT, Safety (For components, refer to Section 1.12)
20	105673	2	BUMPER, Slider (1.5" diameter x 1/2")
	101954	2	PAD, Slider (1.5" diameter x 3/8")
21	-	-	VALVE ASSEMBLY, Hytos 12V
	153336	1	• VALVE, Directional spool
	153337	2	• • COIL, 12 Volt spool valve
	103920	4	• BOLT, Socket head (#10-24 x 2" Grade 5)
	104345	1	CONNECTOR, Gray
	104409	1	CONNECTOR, Black
L	(Ref.)	-	LABELS (Refer to Section 7.0)



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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 SJ8831 RT)
	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 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)
	163609DG	1	WELDMENT, Base (ANSI/CSA, with outriggers)
	163608DG	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 Kubota 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 4.9 and Section 4.6)
	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 4.11)
	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
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.
A	-	-	HINGED RAILING ASSEMBLY (with no extension platform) **(ANSI/CSA)**
B	-	-	HINGED RAILING ASSEMBLY (with one extension platform) **(ANSI/CSA)**
C	-	-	HINGED RAILING ASSEMBLY (with two extension platform)
1	107623DG	1	WELDMENT, Main platform
2	111845	2	RAILING, Upper end, **A**
		1	RAILING, Upper end, **B**
3	111842	2	RAILING, Lower end, **A**
		1	RAILING, Lower end, **B**
4	111808	2	RAILING, Upper side, **A**
	111808	1	RAILING, Upper (Rear left hand), **B**
	107621	1	RAILING, Upper (Front right hand), **B**
	107621	2	RAILING, Upper side, **C**
5	107615	2	RAILING, Lower side
6	111840	2	RAILING, Upper side, **A**
	111840	1	RAILING, Upper (Rear right hand), **B**
	107621	1	RAILING, Upper (Front left hand), **B**
	107621	2	RAILING, Upper side, **C**
7	107617	2	RAILING, Lower side
8	103914	AR	BOLT, Hex head (3/8"-16 x 3.75", Grade 5)
9	(Ref.)	-	RING KIT, Safety (For components, refer to Section 1.12)
10	103885	4	BOLT, Hex head (5/16"-18 x 1.75", Grade 5) (with half gate)
11	103996	4	WASHER, Flat (5/16") (with half gate)
12	103984	4	NUT, Lock (5/16"-18) (with half gate)
13	104183	54"	PAD, Entry insulation (with half gate)
14	106915	2	RAILING, Gate entry top (with half gate)
15	(Ref.)	-	PIN ASSEMBLY, Quick release (For components, refer to Section 1.4)
16	104606	AR	NUT, Lock (3/8-16)
17	103472	24	WASHER, Flat (3/8")
18	103873	AR	BOLT, Hex head (3/8"-16 x 2.5")
19	132814	1	PLATFORM CONTROL CONSOLE MOUNTING ASSEMBLY
	132816	1	• WELDMENT, Control console mount
	103865	2	• BOLT, Hex head (5/16"-18 x 2")
	103984	2	• NUT, Lock (5/16"-18)
	103996	2	• WASHER, Flat (5/16")
	124547	1	• PIN, Quick release assembly small loop
	134355	1	• SCREW, Machine flat head (1/4"-20 x 3/4")
	115649	1	• NUT, Hex nylon lock (1/4"-20, Grade 5)
20	(Ref.)	1	PLATFORM OUTLET BOX ASSEMBLY (For components, refer to Section 1.16)
21	108791	1	CLIP, Cable (stick-on)
22	103632	AR	SCREW, Self-tapping (1/4"-14 x 3/4")
23	110693	2	STOP, Latch
24	100702	AR	CAP, Tube end

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