MODELS | SJ6826 RT SJ6832 RT



Service Manual

Compact Rough Terrain Scissors

Part No. 143899AF November 4 2026

SKYJACK

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SCHEDULE MAINTENANCE

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Table 2.1b Specifications and Features - CE

Model		Compact RT's			
		6826		6832	
Weight*	No Outriggers	2903 kg	6400 lb.	3475 kg	7661 lb.
	With Outriggers	3305 kg	7286 lb.	3655 kg	8058 lb.
Width		1.73 m	68.1 in.	1.73 m	68.1 in.
Length	No Outriggers	2.7 m	106.3 in.	2.7 m	106.3 in.
	With Outriggers	3.34 m	131.5 in.	3.34 m	131.5 in.
Platform Size		1.4 m x 2.5 m	55 in. x 98 in.	1.4 m x 2.5 m	55 in. x 98 in.
Height	Working	9.8 m	32 ft.	11.7 m	38 ft.
	Platform Elevated	7.9 m	25.9 ft.	9.7 m	31.8 ft.
	Platform Lowered	2.37 m	7.8 ft.	2.51 m	8.2 ft.
	Drive	7.9 m	25.9 ft.	9.7 m	31.8 ft.
Speed	Normal Drive	6.3 km/h	4 mph	6.3 km/h	4 mph
	Elevated Drive	0.63 km/h	0.39 mph	0.63 km/h	0.39 mph
	Lift (Rated Load)	36 sec		39 sec	
	Lower (Rated Load)	36 sec		36 sec	
Engine (RPM)	Kubota Diesel	3500 (High Throttle) / 2050 (Low Throttle)			
	Kubota Dual Fuel	3500 (High Throttle) / 2050 (Low Throttle)			
Tires	Foam-filled	OTR Outrigger - 26 x 12D			
	Air-filled	N/A			
Sound Pressure		96 dB(A)			
Gradeability (Torque Equivalent To)		50%		40%	

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* Weights are approximate; refer to serial nameplate for specific weight.

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3.3. Hydraulic Schematic Parts List (Continued)

Index No.	Skyjack Part No.	Qty.	Description
			Parts list continued from previous page.
4H-20A	139351	1	VALVE, Series/parallel
4H-23	128318	1	VALVE, Right steer
4H-24	128318	1	VALVE, Left steer
4H-71	128318	1	VALVE, Retract outrigger left front
4H-72	128318	1	VALVE, Retract outrigger right front
4H-73	128318	1	VALVE, Retract outrigger right rear
4H-74	128318	1	VALVE, Retract outrigger left rear
4H-75	128318	1	VALVE, Extend outrigger left front
4H-76	128318	1	VALVE, Extend outrigger right front
4H-77	128318	1	VALVE, Extend outrigger right rear
4H-78	128318	1	VALVE, Extend outrigger left rear
MI	137479	1	MOTOR, Front left
M2	137479	1	MOTOR, Front right
M3	137480	1	MOTOR, Rear right
M4	137480	1	MOTOR, Rear left
MB1	137125	1	MANIFOLD BLOCK, Main
MB2	139450	1	MANIFOLD BLOCK, Splitter
MB3	106688		MANIFOLD BLOCK, Lower holding valve
MB4	108778	1	MANIFOLD BLOCK, Upper holding valve
MB5	139830	1	MANIFOLD BLOCK, Sandwich
MB6	139450	1	MANIFOLD BLOCK, Splitter
MB8	111970	1	MANIFOLD BLOCK, Outrigger
MB9	146109	1	MANIFOLD BLOCK, Hydraulic generator
O1	105281	1	ORIFICE, 0.067 diameter
O2	137510	AR	ORIFICE, Lowering (Ø 0.106) (Model 6826)
	137509	AR	ORIFICE, Lowering (Ø 0.089) (Model 6832)
O3	137510	AR	ORIFICE, Lowering (Ø 0.106) (Model 6826)
	137509	AR	ORIFICE, Lowering (Ø 0.089) (Model 6832)
O4	137508	2	ORIFICE, Brake (Ø 0.028)
P1	114201	1	PUMP, Dual hydraulic (0.671/ 0.366)
PT1	134432	1	TRANSDUCER, Pressure (CE)
R1	104534	1	VALVE, System relief
R2	104534	1	VALVE, Lift relief
R3	106557	1	VALVE, Relief
R4	106557	1	VALVE, Relief
R5	243734	1	VALVE, Drive relief
V1	107271	1	VALVE, Emergency lowering
V2	137182	1	VALVE, Freewheel
V6	113752	1	VALVE, Brake auto reset

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5.10-2 Auto-leveling outrigger settings and error codes

Read the codes

In order to read the fault codes, a sequence of pauses and flashes can be seen on the LED mounted on the outrigger control module. The codes are continuously displayed by the LED until the fault is cleared, the outrigger control module is reset and no longer detects the fault, or idle timeout becomes active.
The sequence is as follows:

1. Half second flashes followed by half second pauses indicate the first digit.
2. A 2.5 second pause.
3. Half second flashes followed by half second pauses indicate the second digit
4. A 5 second pause.

Repeat steps 1-4

Since the outrigger control module only reports one error, only one code can be read from the LED per instance. If the error is cleared and another error is present, it will then be presented.

LED ERROR CODES

EVERYTHING OK	ON
VEHICLE TILTED	1/1
OUTRIGGERS CANNOT BE MOVED!	1/2
OUTRIGGERS NOT HOME	2/2
NOT FULLY LEVEL	2/1
RELEASE OUTRIGGER DEMAND!	5/5
CHECK OUTRIGGER SUPPLY (P4-9)	5/2
CANNOT LEVEL : BAD TILT SENSOR	7/1
OUTRIGGERS MANUALLY CONTROLLED!	6/6
TESTING HWFS	7/8
B+ SUPPLY TOO LOW	5/1
STARTUP!	7/7
FAULT: BAD SLAVE MICRO	7/5
FAULT: BAD TILT SENSOR	7/1
FAULT: BAD HWFS	7/2
FAULT: P2-5 FAULTY	8/1
FAULT: P2-6 FAULTY	8/2
FAULT: P2-8 STUCK ON	8/3
FAULT: P2-8 ALWAYS ON	8/4
FAULT: P2-8 ALWAYS OFF	8/5
FAULT: HWFS STALLED!	7/6

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Table 2.3a Maximum Platform Capacities (Evenly Distributed) - ANSI/CSA

MODEL		Total Machine Weight			Extension		
		Capacity		Number of Occupants	Capacity		Number of Occupants
6826	One Extension Platform	1250 lb.	567 kg	4	300 lb.	136 kg	1
6832	One Extension Platform	1000 lb.	453.6 kg	4	300 lb.	136 kg	1

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NOTE:
Occupants and materials are not to exceed rated load.
Refer to capacity label for additional information and for models equipped with options.

Table 2.3b Maximum Platform Capacities (Evenly Distributed) - CE

MODEL		Total		Extension	
		Capacity	Number of Occupants	Capacity	Number of Occupants
6826	One Extension Platform	567 kg	4	136 kg	1
6832	One Extension Platform	454 kg	2	136 kg	1

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NOTE: Occupants and materials are not to exceed rated load.
Refer to capacity label for additional information and for models equipped with options.

BEAUFORT SCALE	Wind Speed				Ground Conditions
	m/s	km/h	ft/s	mph	
3	3.4 – 5.4	12.5 – 19.4	11.5 – 17.75	5 – 12.0	Papers and thin branches move, flags wave
4	5.4 – 8.0	19.4 – 28.8	17.75 – 26.25	12.0 – 18	Dust is raised, paper whirls up, and small branches sway.
5	8.0 – 10.8	28.8 – 38.9	26.25 – 35.5	18 – 24.25	Shrubs with leaves start swaying. Wave crests are apparent in ponds or swamps.
6	10.8 – 13.9	38.9 – 50.0	35.5 – 45.5	24.5 – 31	Tree branches move. Power lines whistle. It is difficult to open an umbrella.
7	13.9 – 17.2	50.0 – 61.9	45.5 – 65.5	31 – 38.5	Whole trees sway. It is difficult to walk against the wind.

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Section 4
TROUBLESHOOTING INFORMATION

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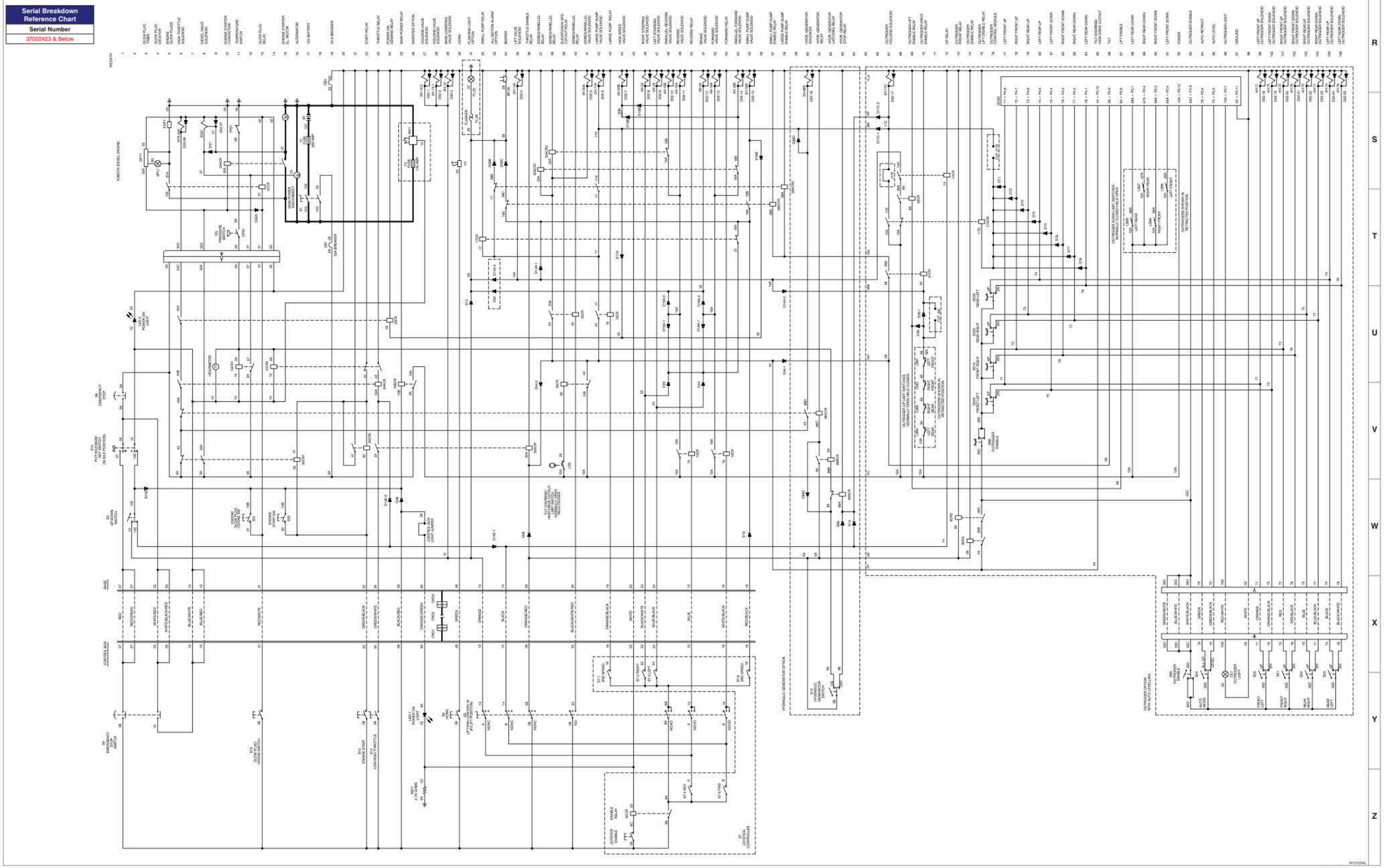
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3.23a. Electrical Schematic - ANSI/CSA (All Option With Kubota Diesel Engine)

Serial Breakdown Reference Chart

Serial Number
37002423 & Below



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