SKYJACK



Compact Rough Terrain Series
Maintenance and Parts Manual
Models SJ6826 RT & SJ6832 RT

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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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Introduction

The following pages contain a table of Troubleshooting Information for locating and correcting most service trouble which can develop. Careful inspection and accurate analysis of the systems listed in the table of Trouble-shooting Information will localize the trouble more quickly than any other method. This manual cannot cover all possible troubles and deficiencies that may occur. If a specific trouble is not listed, isolate the major component in which the trouble occurs, isolate whether the problem is electrical or hydraulic, and then isolate and correct the specific problem.

The content of this section is separated into "probable cause" and "remedy." The information preceded by a number represents the "probable cause." The following line, noted by a dash represents the "remedy" to the "probable cause" directly above it. See example below for clarification.

1. Probable Cause
   - Remedy

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Figure 6.3-21. Engine and Main Manifold Harness Diagrams

Index No.	Skyjack Part No.	Qty.	Description
1	139827	-	HARNESS WIRING DIAGRAM, Main manifold (ANSI/CSA)
	139828	-	HARNESS WIRING DIAGRAM, Main manifold (CE)
2	137382	-	WIRING DIAGRAM, Engine - dual fuel system (Kubota engine)
	136178	1	• ASSEMBLY, Coupler
	136179	1	• ASSEMBLY, Coupler alternator
3	137527	-	WIRING DIAGRAM, Engine - diesel fuel system (Kubota engine)
	137869	1	• COUPLER ASSEMBLY, Glow lamp timer
	136179	1	• ASSEMBLY, Coupler alternator
4	139647	-	HARNESS, Cylinder - Manifold

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Table 5.2-1 Torque Specifications

Cartridge						
Torque	Size					
	8	38	58	10	12	16
Lbf.ft (max)	20			25	35	50
Lbf.in (max)	240			300	420	600
Nm (max)	27.12			33.9	47.46	67.8

Coils	
Torque	Size
	All coils
Lbf.ft (max)	4 to 5
Lbf.in (max)	48 to 60
Nm (max)	5.42 to 6.78

SAE Plugs								
Torque	Size							
	2	4	5	6	8	10	12	16
Lbf.ft (max)	3	10	15		25		30	35
Lbf.in (max)	36	120	180		300		360	420
Nm (max)	4.07	13.56	20.34		33.9		40.68	47.46

Type of Bolt	Torque (ft-lb)	Torque (Nm)
Directional valve mounting bolts	2.33 (28-32 in-lb)	3.16 - 3.61

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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

6044IAC-ANSI

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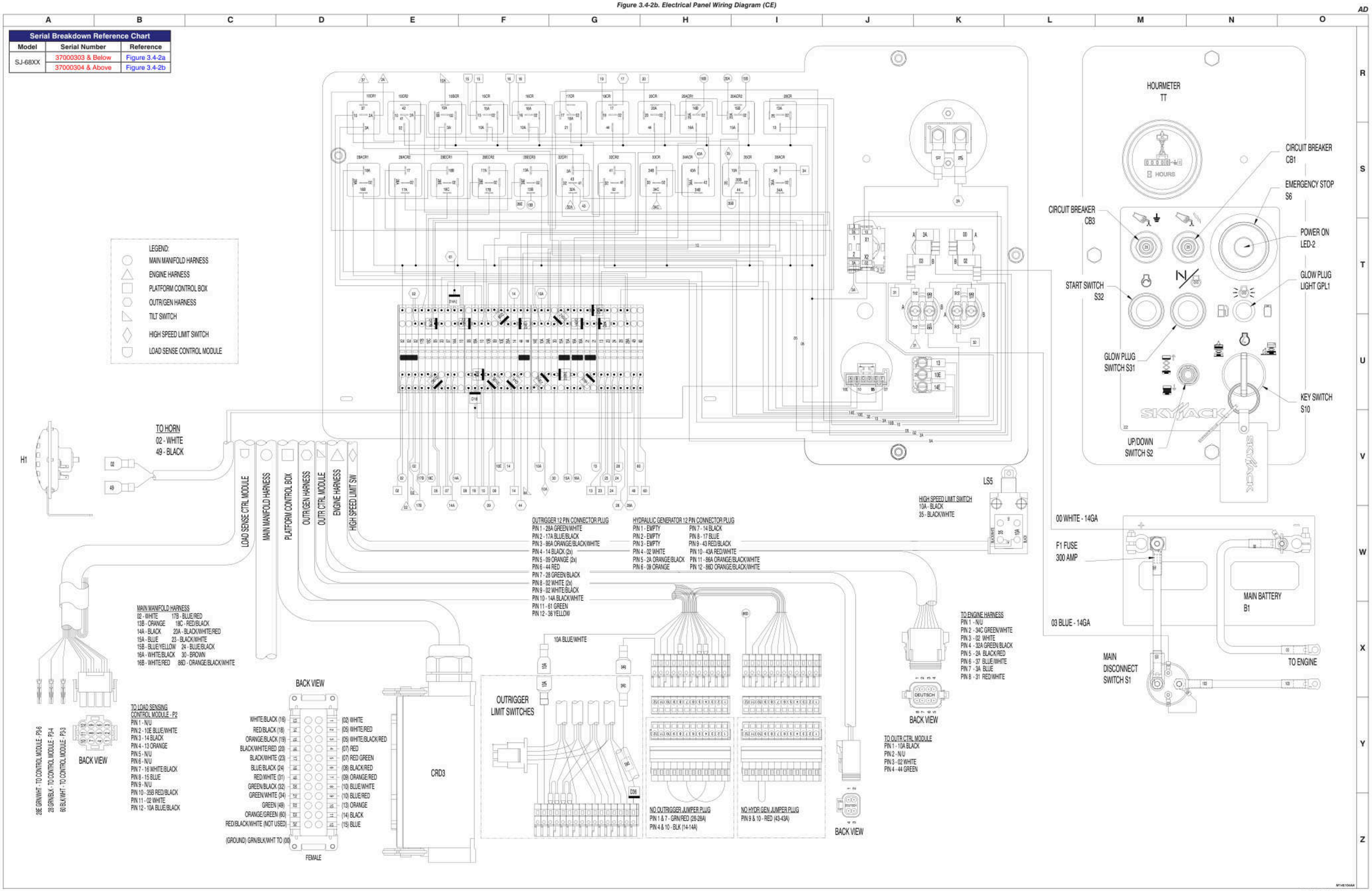
NOTE: Occupants and materials are not to exceed rated load.
Refer to capacity label for additional information and for models equipped with options.

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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Serial Breakdown Reference Chart		
Model	**Serial Number**	**Reference**
SJ-68XX	37000303 & Below	Figure 3.4-2a
	37000304 & Above	Figure 3.4-2b



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