

OPERATING MANUAL (ANSI/CSA)

ROUGH TERRAIN SCISSORS

MODELS SJ7127 RT SJ7135 RT SJ8831 RT SJ8841 RT SJ9250 RT

158009AB-A July 2012

SKYJACK

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3.5 Component Identification

The following descriptions are for identification, explanation and locating purposes only.

3.5-1 Manual Storage Box



This weather-resistant box is mounted inside of the hydraulic/electrical compartment. It contains operating manual, ANSI manual of responsibility and ANSI/CSA certificate. The operating manual for this make and model of aerial platform must remain with the aerial platform and should be stored in this box.

3.5-2 Maintenance Support

The maintenance support is a safety mechanism designed to support the scissor assembly. When properly positioned, it can support the scissor assembly and empty platform. The maintenance support must be used when inspection and/or maintenance is to be performed within the lifting mechanism. To lower the maintenance support, push lock lever rearward and the maintenance support will drop. Refer to Section 3.12 for procedure on how to use and store the maintenance support.



Figure 3-1. Maintenance Support

⚠ WARNING

The maintenance support must be used when inspection and/or maintenance or repairs are to be performed within the lifting mechanism. Failure to use this safety mechanism could result in death or serious injury.

⚠ WARNING

Do not reach through the scissor assembly when the platform is raised without the maintenance support properly positioned. Failure to avoid this hazard could result in death or serious injury.

3.5-3 Electrical Control Console

This auxiliary control console is located in the hydraulic/electrical compartment. It contains the following controls:

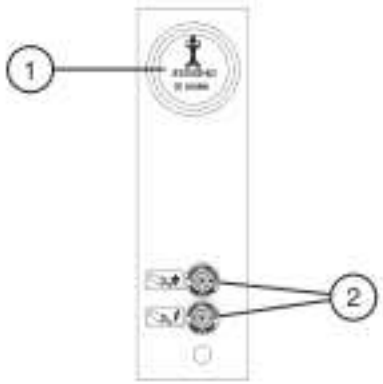


Figure 3-2. Electrical Control Console

1. **Hourmeter -** This gauge records accumulated operating time of engine.

2. **Circuit Breakers -** In the event of a power overload or positive circuit grounding, the circuit breaker pops out. Push breaker back in to reset

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3.8-11 Generator (If Equipped)

To start the hydraulic generator:

1. On platform control console, select off/lift/drive key switch to "↑ ↓" lift position.
2. Depress and hold "⏻" engine start pushbutton to start the engine.
3. On auxiliary control console, select hydraulic generator switch to "|" energized position. Engine will automatically switch to high throttle and generator will start.

To stop the hydraulic generator:

4. Select hydraulic generator switch to "○" off position. The generator will turn off and throttle will return to selected speed.

NOTE

Activating any lift or outrigger functions, changing the key switch setting, activating the emergency stop or an engine stall will turn off the generator. The platform may be lowered during generator operation.

3.8-12 Electrical Inverter (If Equipped)

The inverter is operational with alternating current available at all times when, and only when, the engine is running at high throttle. Deselecting the high idle throttle setting or stopping the engine will turn the inverter off.

To check the status of the inverter:

1. During routine operation, the on/off switch should remain in the on position. To prevent automatic inverter operation when high throttle is activated, slide the on/off switch on the inverter to the off position.
2. Inverter state is indicated by the LEDs on the face of the inverter. A glowing green LED indicates normal operation. If a fault occurs, the status LEDs will indicate the area responsible. After the fault condition is corrected, the inverter will automatically reset itself.

3.8-13 Shutdown Procedure

1. Completely lower the platform.
2. On platform control console, push in "●" emergency stop button.
3. Select off/lift/drive key switch to "○" off position and remove key.

⚠ WARNING

Ensure that you maintain three points of contact when using the ladder to mount/dismount the platform.

4. Use the ladder to dismount from platform.
5. On base control console, push in "●" emergency stop button.
6. On engine control console, select engine off/on/start switch to "○" off position.
7. Turn main power disconnect switch to "○" off position.

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Table 4.4 Maximum Platform Capacities (Evenly Distributed)

MODEL		Total		First Extension		Second Extension	
		Capacity	Number of Occupants	Capacity	Number of Occupants	Capacity	Number of Occupants
7127	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available	
7135	One Extension Platform	1000 lb. 454 kg	4	350 lb. 159 kg	1	Not Available	
8831	No Extension Platform	2500 lb. 1134 kg	6	Not Available			
	One Extension Platform	2000 lb. 908 kg	6	500 lb. 227 kg	2	Not Available	
	Two Extension Platforms	1700 lb. 771 kg	6	500 lb. 227 kg	2	500 lb. 227 kg	2
8841	No Extension Platform	1700 lb. 771 kg	5	Not Available			
	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available	
	Two Extension Platforms	1500 lb. 681 kg	5	500 lb. 227 kg	2	500 lb. 227 kg	2
9250	No Extension Platform	2000 lb. 907 kg	5	Not Available			
	One Extension Platform	1500 lb. 681 kg	5	500 lb. 227 kg	2	Not Available	
	Two Extension Platforms	1500 lb. 681 kg	5	500 lb. 227 kg	2	500 lb. 227 kg	2

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NOTE:

Occupants and materials are not to exceed rated load.
Capacities listed are for standard machines equipped with #6 tires.
Refer to capacity label at sides of platform for additional information and for models equipped with options.

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Table 4.7 Tire Specifications

WARNING

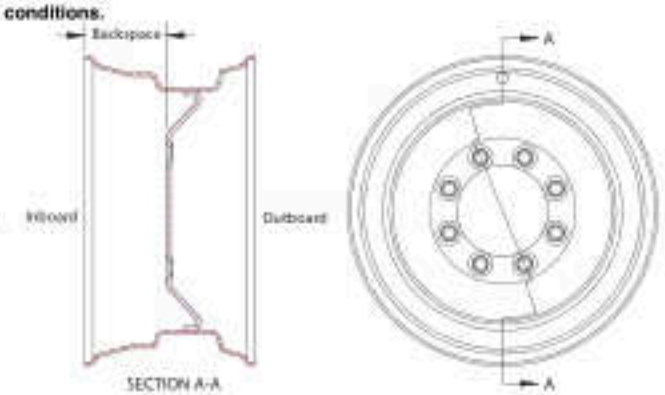
Air pressure can affect stability. Temperature changes can affect air pressure. It is important to inspect all tires for proper tire inflation prior to use. Tires must be checked by end user on a daily basis. Tire inflation pressures must be checked weekly with a calibrated gauge. If the measured pressure is less than the specification, reinflate to the pressure specified below. Tires must not be inflated above the recommended specification. Do not intermix tires of different types on one aerial platform. Use only tires of type originally supplied.

Tire Size		Fill Specification			Usage†				
		Fill Type	Ply Rating	Pressure (Factory) (kPa)	MID SIZE		FULL SIZE		
					7127	7135	8831	8841	9250
#6A	10-16.5 CARLISLE US LOADER	Air	10	75* (517.1)*	S	S	S	S	S
#6A	10-16.5 OTR OUTRIGGER (Non-Marking)		10	75* (517.1)*	O	O	O	O	O
#7A	31-15.5-15 GOODYEAR TERRA XTRAC		8	45* (310.3)*	O	O	O	O	O
#6F	10-16.5 CARLISLE US LOADER	Foam	10	N/A	O	O	O	O	O
#6F	10-16.5 OTR OUTRIGGER (Non-Marking)		10	N/A	O	O	O	O	O
#7F	31-15.5-15 GOODYEAR TERRA XTRAC		8	N/A	O	O	O	O	O

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* Factory preset @ 20°C, **Check pressures regularly as tires can lose pressure over time and over different ambient temperatures even under normal conditions.**

Rim Backspace Diagram



Rim Size	Backspace				
	7127	7135	8831	8841	9250
Serial Number	Contact Skyjack Service Department				
#6 & #6F	3-3/4"	3-3/4"	4-3/4"	4-3/4"	3-3/4"
	96 mm	96 mm	121mm	121mm	96 mm
#7 & #7F	All models are 4-3/8"				

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WARNING

Intermixing tires of different types or using tires of types other than those originally supplied with this equipment can adversely affect stability. Therefore, replace tires only with the exact original Skyjack-approved type. Failure to operate with matched approved tires in good condition may result in death or serious injury.

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Table 4.1 Standard and Optional Features

MODEL	Mid-Size RTs		Full-Size RTs		
	7127	7135	8831	8841	9250
STANDARD EQUIPMENT					
Base control	*	*	*	*	*
Joystick control	*	*	*	*	*
Dual range (torque/speed) selector	*	*	*	*	*
Operator horn	*	*	*	*	*
Diamond pattern, all steel platform deck construction	*	*	*	*	*
Hinged guardrail system	*	*	*	*	*
Lanyard attachment rings	*	*	*	*	
Front-mounted manual extension platform	*	*			
Front-mounted powered extension platform	*	*			
Access ladders and gates at both sides of platform			*	*	*
AC outlet on platform	*	*	*	*	*
Self-centering scissors design			*	*	*
Flashing amber beacon	*	*	*	*	*
Motion alarm	*	*	*	*	*
Cabinets with lockable swing-out door	*	*	*	*	*
Hourmeter	*	*	*	*	*
Tilt alarm with lift/drive cut-out	*	*	*	*	*
Color-coded, numbered wiring system	*	*	*	*	*
Engine mounted on roll-out tray	*	*	*	*	*
65 hp GM 1.6L dual fuel - gasoline/propane engine			*	*	*
23.1 kW (31 hp) Kubota DF972 dual fuel - gasoline/propane engine	*	*			
Tie-down points	*	*	*	*	*
Grip lug air-filled tires	*	*	*	*	*
Grip lug foam-filled tires					
4-wheel drive	*	*	*	*	*
Independently operated hydraulic outriggers					*
Spring-applied hydraulically released disc brake system	*	*	*	*	
Dual spring-applied hydraulically released parking brakes					*
OPTIONAL EQUIPMENT					
Front-mounted manual extension platform			*	*	
Rear-mounted manual extension platform			*	*	
Front-mounted powered extension platform			*	*	*
Rear-mounted powered extension platform			*	*	*
21.6 kW (29 hp) Kubota D1305 diesel water-cooled engine	*	*	*	*	*
Grip lug foam-filled tires	*	*	*	*	*
2-wheel drive	*	*	*	*	*
Independently operated hydraulic outriggers	*	*	*	*	
1500 watt AC Inverter	*	*	*	*	*
3500 watt hydraulic AC generator	*	*	*	*	*

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