SKYJACK™

OPERATING MANUAL

This manual MUST be kept and stored with the aerial platform at all times.



SJ-600, 800 & 1000 Series

Engine Powered

For Service please call ***800 275-9522***
Skyjack Inc. Service Center 3451 Swenson Ave., St. Charles, IL. 60174 .... *FAX 630 262-0006*
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129907AB Printed in Canada Aug. 2003

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2-14. Base Controls

Electrical Panel - This auxiliary control panel is located in the Hydraulic/Electric side cabinet. It contains the following controls:

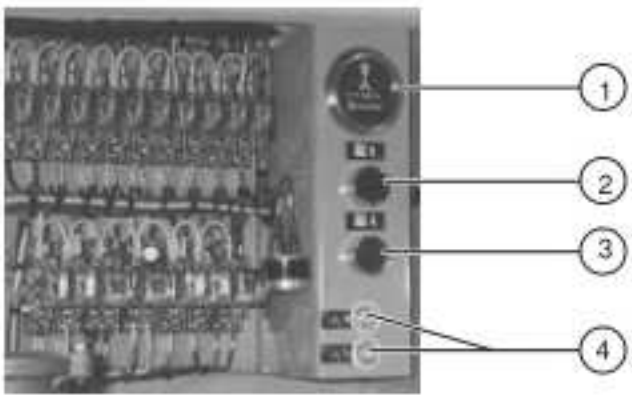


Figure 2-5. Electrical Panel

1. **Hourmeter** - This gauge records the accumulated time of operation of the aerial platform

2. **Up Push-Button Switch** - This push-button switch will raise the platform to desired height.

3. **Down Push-Button Switch** - This push-button switch will lower the platform to desired height.

4. **Circuit Breaker Resets** - In the event of a power overload or positive circuit grounding, the circuit breaker will pop out.

2-15. Base Control Box (If Equipped)

Base Control Box - This control station is found on the rear of the hydraulic/electric cabinet. It contains the following controls:



Figure 2-7A. Base Control Box and Labels (Located at rear of hydraulic/electric side cabinet)



Figure 2-7B. Base Control Station and Labels (Located at rear of hydraulic/electric side cabinet)

1. **Platform/Base Select Key Switch** - Selecting "PLATFORM" position enables the operator's control box on the platform. Selecting "BASE" position enables the base control box/station.

2. **Platform Up/Down Selector Switch** - This switch raises or lowers the platform to a desired height.

3. **Emergency Stop Button** - When depressed, this red "mushroom-head" push-button switch disconnects power to the control circuit.

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b. Ensure the emergency stop button on the base control box **(If Equipped)** is pulled out.

c. Use the ladder of the aerial platform to access the aerial platform deck. Close and latch the gate. At the main control box, pull out the Emergency Stop Button.

d. Insert key into Off/Lift/Drive Select Key Switch and turn to "LIFT" position.

Note
All previously-listed switch conditions must be met in order to start the engine.

e. Select the low throttle position.

Caution

Do not start the engine in the High throttle position.

11. For cold gasoline engines (dual fuel), depress and hold the Choke Push-Button.
For cold diesel engines, depress and hold Glow Plug Push-Button for 15 to 20 seconds.

12. Depress and hold the Engine Start Push-Button until the engine starts, then release. DO NOT over crank the starter. Release the Engine Choke Push-button after engine starts.

Note
Choke is only active while button is depressed. Occasional use of choke button may be necessary during the first few seconds of engine operation.

13. Use ladder to dismount the platform.

Note
Ensure that you have three contact points when using the ladder to dismount the platform.

14. Raise the aerial platform with the "Up" Selector Switch on the Electrical Panel. Unlatch and carefully swing down the maintenance support. Refer to "section 2-7" for procedure to properly position the Maintenance Support.

Warning

The maintenance support must be used during inspection and maintenance or repairs are be performed within the lifting mechanism. Failure to avoid this hazard could result in death or serious injury.

15. From the base control panel, carefully lower the platform with "Down" Switch until the scissors assembly is firmly resting on the Maintenance Support.

16. Inspect all hoses, fittings, wires, cables, valves, etc. for leaks, loose or missing parts, hidden damage and foreign material.

17. From the base control panel, use the "Up" switch to raise the platform until the open height between scissors center pins is approximately 2' (600mm) for 800 & 1000 Series and 1.5' (450mm) for 600 Series.

18. Carefully swing up the Maintenance Support and lock in position.

19. Use the "Up" switch to raise the platform until the platform has reached maximum working height.

Warning

Be aware of overhead obstructions or other possible hazards around the machine when lifting.

20. Use the "Down" Switch to lower the platform to its fully lowered position.

Warning

To protect against unintended movement of the aerial platform, push in the emergency stop button after you have arrived at your desired location or elevation.

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Table 2-4. Maximum Platform Capacities (Evenly Distributed)

MODEL		Main Platform		First Extension		Second Extension		Total Platform Capacity
		Capacity	Number Of Occupants	Capacity	Number Of Occupants	Capacity	Number Of Occupants	
7127*	No extension Platform	1500 lbs. (680 kg)	5	-	-	Not Available		1500 lbs. (680 kg)
	One Extension Platform	1000 lbs. (454 kg)	3	500 lbs. (227 kg)	2			1500 lbs. (680 kg)
7135*	One Extension Platform	650 lbs. (295 kg)	3	350 lbs. (159 kg)	1			1000 lbs. (454 kg)
8831	No extension Platform	2500 lbs. (1134 kg)	6	-	-	-	-	2500 lbs. (1134 kg)
	One Extension Platform	1500 lbs. (680 kg)	4	500 lbs. (227 kg)	2	-	-	2000 lbs. (907 kg)
	Two Extension Platforms	500 lbs. (227 kg)	2	500 lbs. (227 kg)	2	500 lbs. (227 kg)	2	1500 lbs. (680 kg)
8831F	No extension Platform	2500 lbs. (1134 kg)	6	-	-	-	-	2500 lbs. (1134 kg)
	One Extension Platform	1500 lbs. (680 kg)	4	500 lbs. (227 kg)	2	-	-	2000 lbs. (907 kg)
	Two Extension Platforms	800 lbs. (363 kg)	2	500 lbs. (227 kg)	2	500 lbs. (227 kg)	2	1800 lbs. (817 kg)
8841	No extension Platform	1500 lbs. (680 kg)	5	-	-	-	-	1500 lbs. (680 kg)
	One Extension Platform	1000 lbs. (454 kg)	2	500 lbs. (227 kg)	2	-	-	1500 lbs. (680 kg)
	Two Extension Platforms	500 lbs. (227 kg)	***	500 lbs. (227 kg)	***	500 lbs. (227 kg)	***	1500 lbs. (680 kg)
8841F	No extension Platform	2000 lbs. (907 kg)	6	-	-	-	-	2000 lbs. (907 kg)
	One Extension Platform	1000 lbs.** (454 kg)	3	500 lbs. (227 kg)	2	-	-	1500 lbs.** (680 kg)
	Two Extension Platforms	500 lbs.** (227 kg)	***	500 lbs. (227 kg)	***	500 lbs. (227 kg)	***	1500 lbs.** (680 kg)
9250	No extension Platform	2000 lbs. (907 kg)	6	-	-	-	-	2000 lbs. (907 kg)
	One Extension Platform	1000 lbs. (454 kg)	4	500 lbs. (227 kg)	2	-	-	1500 lbs. (680 kg)
	Two Extension Platforms	500 lbs. (227 kg)	2	500 lbs. (227 kg)	2	500 lbs. (227 kg)	2	1500 lbs. (680 kg)
9250AL	No extension Platform	1350 lbs. (612 kg)	5	-	-	-	-	1350 lbs. (612 kg)
	One Extension Platform	850 lbs. (386 kg)	3	500 lbs. (227 kg)	2	-	-	1350 lbs. (612 kg)

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NOTE:
Occupants AND materials are not to exceed rated load.
Capacities listed are for standard machines equipped with #6 tires except for model 9250A which is equipped with foam filled tires.
Refer to capacity label at sides of platform for additional information and for models equipped with options.
* 71XX models are not available without an extension platform
** Capacity is increased by 200 lbs. (91 kg) for European and CSA applications.
*** Occupant capacity is a maximum of 4 Persons with no more than 2 people on an extension.

Warning

This aerial platform is equipped with a Overload Sensing System. Do not exceed the rated capacity of the aerial platform. Failure to avoid this will prevent operation of all normal controls/functions of the aerial platform. **To resume normal operation remove the additional loads.**

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2-6. Folding Guardrail System

Fold-Down Guardrail System - This system, when folded down, reduces the retracted height of the aerial platform for transporting and traveling through doorways only.





DETENT BALL CLEAR OF SIDE OF PIVOT BRACKET

Correct Position Of Locking Pin

Figure 2-1. Fold-Down Guardrail System

Warning

The scissors must be fully lowered before raising or lowering the guardrails.

1. **Guardrail Locking Pin With Lanyard** - To fold the guardrail system down, remove the locking pin at each pivot point and lower each guardrail. To raise the guardrail system, swing up each guardrail and lock in place with the locking pins ensuring that the detent ball of each pin is all the way through and clear of the side of the pivot brackets. (Figure 2-1).

Warning

Before operating this aerial platform Check the guardrail system for loose or missing locking pins. The guardrail system must be upright and all pins must be locked in place. Death or serious injury could result if the gaurdrail system is not upright or properly locked.

2-7. Maintenance Support/ Safety Bar

Maintenance Support - The maintenance support is designed to support the scissors assembly. When properly positioned it can support the scissors and empty platform. The Maintenance Support MUST be used when inspection and maintenance or repairs are to be performed within the lifting mechanism. To lower the Maintenance Support, push lock lever rearward and the Maintenance Support will drop.



Figure 2-2. Maintenance Support

Warning

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

Proper Use Of Maintenance Support/ Safety Bar

- Remove all material from platform.
- Raise platform until there is adequate clearance to swing down the maintenance support.
- Swing maintenance support down from storage bracket into a vertical position.
- Remove hands and arms from scissors area.
- Lower platform until bottom end of maintenance support contacts the labeled cross bar and scissors are supported by maintenance support .
- Turn off Emergency Main Power Disconnect Switch.

To Store Back The Maintenance Support/ Safety Bar

- Turn on Emergency Main Power Disconnect Switch & start engine (If Equipped).
- Raise platform until there is adequate clearance to swing up the maintenance support.
- Swing bar up into storage bracket.
- Lower platform.

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2-19. Outrigger Controls (If Equipped)

Outrigger Controls - Located on the Operator's Control Box, these switches control each outrigger's extension and retraction.



Figure 2-11A. Outrigger Controls On Operator's Control Box



Figure 2-11B. Outrigger Controls On The Optional Auxiliary Control Box Console

1. **Outrigger Up/Down Control Toggle Switches** - These switches control the extension and retraction of each individual outrigger.

2. **Enable Push-Button** - When depressed and held, this push-button switch brings power to the outrigger circuit.

2-20. Hydraulic Generator Control (If Equipped)

Hydraulic Generator Control - This switch is located on the side of the Operator's Control Box (Figure 2-11A) or on the Optional Auxiliary Control Box console (Figure 2-11B).
A push-button or toggle switch starts or stops the hydraulic base-mounted generator.

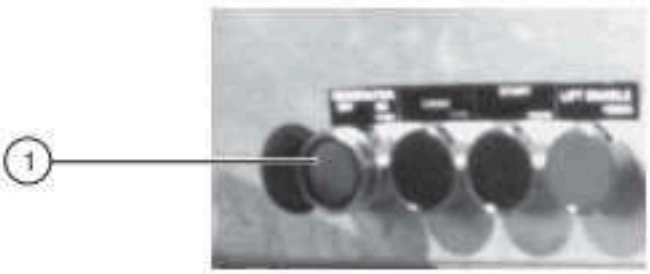


Figure 2-12A. Hydraulic Generator Control On The Main Control Box



Figure 2-12B. Hydraulic Generator Control On The Optional Auxiliary Control Box

1. **Hydraulic generator Off/On Push-Button Switch** This illuminated push-button switch starts or stops the base-mounted generator. It illuminates when the generator is activated.

2. **Hydraulic generator Off/On Toggle Switch** This switch starts and stops the base-mounted generator.

Note

All functions are disabled when operating this Generator.

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