MODELS | SJIII 3215 SJIII 3219 SJIII 3220 SJIII 3226 SJIII 4626 SJIII 4632



Operating Manual

Compact & Conventional Series (ANSI/CSA)

157924AE-A August 2011

SKYJACK

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3.8-3 To Activate Platform Control Console

1. Turn main power disconnect switch to "|"on position.
2. On base control console, pull out "●" emergency stop button.
3. Select off/platform/base key switch to "⛟" platform position.

⚠ WARNING

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

4. Use the ladder of aerial platform to access platform.
5. Close the gate.
6. On platform control console, pull out "●" emergency stop button.

3.8-4 To Raise or Lower Platform Using Platform Control Console

⚠ WARNING

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

⚠ WARNING

Do not lower the platform unless the area below is clear of personnel and obstructions.

1. Activate platform control console (refer to Section 3.8-3).
2. Select lift/off/drive switch to "↑↓" lift position.
3. Activate and hold "⛹" enable trigger switch.
4. Move controller handle forward or backward until desired height is reached.

NOTE

Lowering is not proportional.

5. Return controller to neutral center position to stop. Release "⛹" enable trigger switch.

⚠ 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.

NOTE

If the tilt alarm sounds and the platform does not, or only partially raises, immediately lower the platform completely and ensure that the aerial platform is on a firm level surface.

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3.12 Maintenance Support Procedure

This section provides the operator with procedure regarding deployment and storage of 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.

⚠ 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.

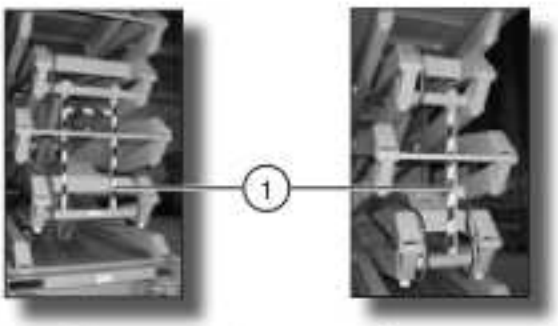


Figure 3-17. Maintenance Support

To Deploy the Maintenance Support

1. Remove all material from platform.
2. Raise platform until there is adequate clearance to swing down maintenance support (item 1).
3. Swing maintenance support down from storage bracket into a vertical position.
4. Remove hands and arms from scissors area.
5. Lower platform until bottom end of maintenance support contacts the labeled cross bar and scissors are supported by maintenance support.
6. Turn main power disconnect switch to "◯" off position.

To Store the Maintenance Support

1. Turn main power disconnect switch to "|" on position.
2. Raise platform until there is adequate clearance to swing up the maintenance support.
3. Swing bar fully up into storage bracket.
4. Lower the platform.

⚠ 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.

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Table 4.5 Maximum Platform Capacities (Evenly Distributed)

MODEL	Manual Extension Platform				Powered Extension Platform				Maximum Wind Speed	Tilt Cutout Setting
	Total Capacity		Extension Capacity		Total Capacity		Extension Capacity			
3215	600 lb. 272 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	1.5 x 3.5
3219	550 lb. 249 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	1.5 x 3.5
3220	900 lb. 408 kg	2 Persons	300 lb. 136 kg	1 Person	800 lb. 363 kg	2 Persons	300 lb. 136 kg	1 Person	28 mph 12.5 m/s	1.5 x 3.5
3226	500 lb. 227 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	1.5 x 3.5
4626	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person	28 mph 12.5 m/s	2.5 x 4.5
4632	700 lb. 318 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	2.5 x 4.5

SJIII T4.5AB - 1331734M

NOTE: Overall Capacity - Occupants and materials not to exceed rated load.

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2.5 Winching and Towing Procedures

This section provides the operator with procedures about towing and winching and on how to manually release the brakes.

WARNING

Ensure platform is fully lowered before winching or towing. Sudden motion could cause the aerial platform to become unstable. Death or serious injury could result.

WARNING

In emergency situations where aerial platform functions are not available and lowering is impeded by an obstacle, utmost care must be taken to move aerial platform far enough to clear the obstacle. In such cases, operation must be extremely smooth with no sudden movements and must not exceed a speed of 2"/sec (50 mm/sec).

WARNING

When pushing, winching or towing, do not exceed 2 mph (3.2 km/h).

WARNING

Do not push, winch or tow aerial platform onto a slope, or brake the towing vehicle rapidly. Do not pull aerial platform down an incline towards a winch.

2.5-1 To Release Free-wheeling Valve

1. Ensure aerial platform is on level ground. Chock or block the wheels to keep aerial platform from rolling.

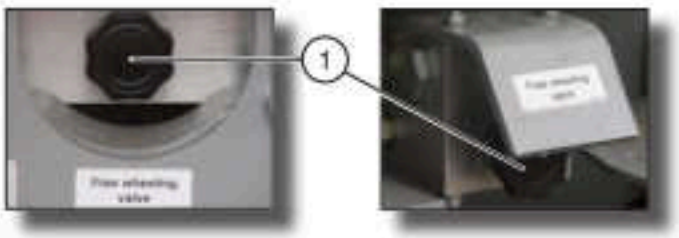


Figure 2-7. Free-wheeling Valve

2. **Free-wheeling Valve** - Turning valve knob counterclockwise (item 1) to a fully opened position allows fluid to flow through the wheel motors, thus providing "free-wheeling."

WARNING

The free-wheeling valve must be closed tightly (clockwise) for normal operation.

2.5-2 To Release Brakes Manually

Releasing the brakes manually depends on the brake system that is provided on the aerial platform.

WARNING

Do not manually disengage brakes if the aerial platform is on a slope.

2.5-2a Pin Brakes System



Figure 2-8. Brakes

WARNING

Brakes must be manually disengaged for pushing, winching or towing.

FAMILIARIZATION

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Table 4.4 Floor Loading Pressure

MODEL		Total Aerial Platform Weight		Total Aerial Platform Load					
				Wheel		LCP**		OUP**	
		lb.	kg	lb.	kg	psi	KPa (kN/m^2)	psf	KPa (kN/m^2)
3215	min*	2400	1089	960	435	100	689.5	160	7.5
	max*	3000	1361	1200	544	110	758.5	200	9.5
3219	min*	2580	1170	1032	468	100	689.5	170	8.0
	max*	3130	1420	1252	568	110	758.5	210	10.0
3220	min*	3400	1542	1396	633	110	758.5	175	8.5
	max*	4299	1950	1936	878	130	896.5	245	11.5
3226	min*	4100	1860	1644	746	120	827.5	210	10.0
	max*	4610	2091	1844	836	130	896.5	235	11.5
4626	min*	4700	2132	1880	853	206	1420.3	168	8.0
	max*	5920	2685	2370	1075	224	1544.4	210	10.1
4632	min*	5075	2302	2030	921	208	1434.1	180	8.6
	max*	5775	2620	2310	1048	223	1537.5	205	9.8

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* **min** - Total aerial platform weight with no options

max - Aerial platform weight + all options + full capacity

** **LCP - Locally Concentrated Pressure** is a measure of how hard the aerial platform presses on the areas in direct contact with the floor. The floor covering (tile, carpet, etc.) must be able to withstand more that the indicated values above.

OUP - Overall Uniform Pressure is a measure of the average load the aerial platform imparts on the whole surface directly underneath it. The structure of the operating surface (beams, etc.) must be able to withstand more than the indicated values above.

NOTE:

The **LCP** or **OUP** that an individual surface can withstand varies from structure to structure and is generally determined by the engineer or architect for that particular structure.

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