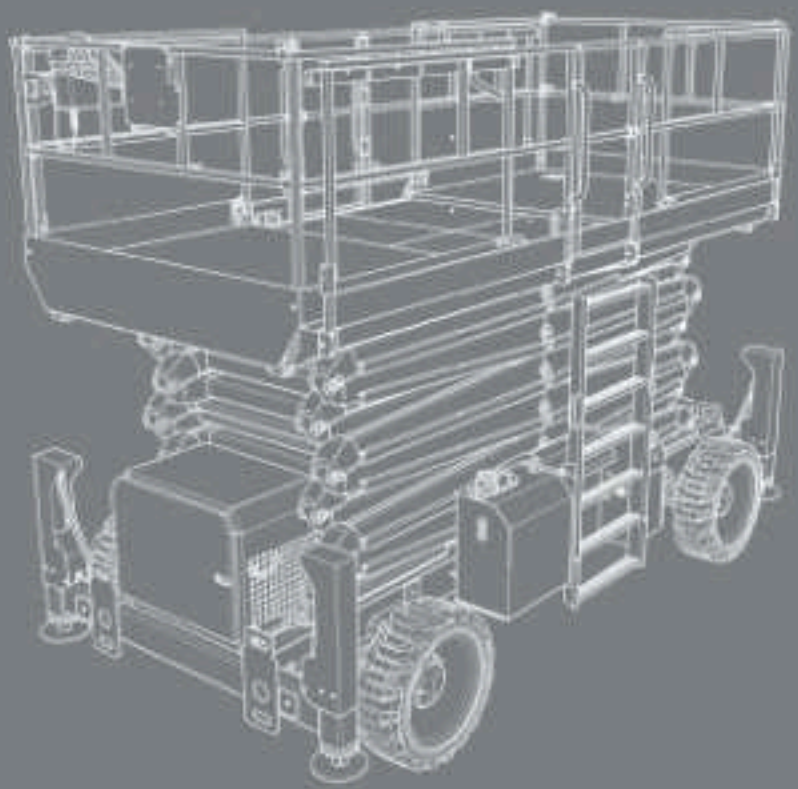
SKYJACK

OPERATION MANUAL

SJ9233 RT, SJ9243 RT, SJ9253 RT, SJ9664 RT

ROUGH TERRAIN SCISSORS



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ANSI/CSA

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5.2 Raise or lower the platform with the base control console

1. Energize the base control console (refer to *Section 5.1*).
2. Turn the **off/base/platform key** switch to the base position.
3. Select and hold the **enable** switch.

⚠ WARNING

Look for overhead obstructions or other possible hazards around the MEWP when you raise the platform. Do not lower the platform unless the area below is clear of personnel and obstructions. If you do not obey, there is a risk of death or serious injury.

4. Move the **lower/neutral/raise** switch to the raise or lower position and hold it to raise or lower the platform. Release the switch to stop.

5.3 Energize the platform control console

1. Turn the **main power disconnect** switch to the on position.

⚠ WARNING

If you do not hear a beep, and the light does not come on, lock and tag the MEWP. Remove the MEWP for servicing. If you do not obey, there is a risk of death or serious injury.

2. Pull the **emergency-stop** button on the base control console.
3. Turn the **off/base/platform key** switch to the platform position.

⚠ WARNING

Fall Hazard. Use the three points of contact principle when you use the MEWP ladder to enter or exit the platform. If you do not obey, there is a risk of death or serious injury.

4. Use the MEWP ladder to enter the platform.
5. Close the gate.
6. Pull the **emergency-stop** button on the platform control console.
7. Start the engine. Refer to *Figure 07*.

5.4 Raise or lower the platform with the platform control console

⚠ WARNING

Look for overhead obstructions or other possible hazards around the MEWP when you raise the platform. Do not lower the platform unless the area below is clear of personnel and obstructions. If you do not obey, there is a risk of death or serious injury.

1. Move the **lift/off/drive** switch to the lift position.
2. Squeeze and hold the **function-enable** switch.
3. Move the **controller handle** forward or rearward to go to the necessary height.

NOTE

The lower function is not proportional.

4. Move the **controller handle** to the neutral central position to stop. Release the **function-enable** switch.

⚠ WARNING

Push the emergency-stop button when you are at the necessary location or elevation. This prevents unintended MEWP movement. If you do not obey, there is a risk of death or serious injury.

⚠ WARNING

If the tilt alarm makes a sound, and the platform does not raise or does not fully raise:

1. **Fully lower the platform immediately.**
2. **Make sure the MEWP is on a firm, level surface.**

NOTE

Some models have a restriction of 10 m (33 ft) lift height. To raise the platform higher than 10 m (33 ft), deploy the outriggers before you raise the platform from the fully lowered position. Refer to Section 5.9.

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6.6-1 Deploy the maintenance support(s)

1. Remove all personnel and material from the platform.

⚠ WARNING

Look for overhead obstructions or other possible hazards around the MEWP when you raise the platform. Do not lower the platform unless the area below is clear of personnel and obstructions. If you do not obey, there is a risk of death or serious injury.

2. Raise the platform until there is adequate clearance to deploy the **maintenance support(s)** ❶.
3. Deploy the lower maintenance support:
   a. Remove the **maintenance support rod** from the keyhole at the rear side of the MEWP.
   b. For models SJ9233 RT, SJ9243 RT & SJ9253 RT:
      - Push the **rod** handle so that the maintenance support is in a vertical position. Align the lower maintenance support with the pipes on the cross member.

      For SJ9664 RT:
      - Pull the **rod** handle so that the maintenance support is in a vertical position. Align the lower maintenance support with the scissor pins.
   c. Put the **rod** back into the keyhole at the rear side of the MEWP.
4. For models SJ9233 RT and SJ9243 RT:
   Lower the platform until the pipes on the cross members fully touch the maintenance support, and the platform stops. Go to step 6.
   For model SJ9253 RT:
   Lower the platform until the top of the support is just below or at the blue mark found on the top cylinder mount. Continue to step 5.
   For model SJ9664 RT:
   Lower the platform until the scissor pins fully touch the maintenance support, and the platform stops. Go to step 6.

⚠ WARNING

Fall Hazard. Use the three points of contact principle when you use the MEWP ladder. If you do not obey, there is a risk of death or serious injury.

5. Deploy the top maintenance support (only for model SJ9253 RT):
   a. Go up the MEWP ladder. Maintain three points of contact on the ladder at all times. Refer to *Figure 12*.

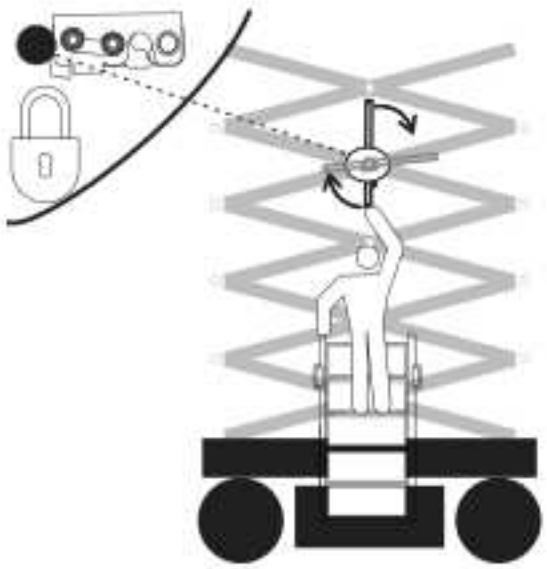


Figure 12 *Position to release or retract the top maintenance support (only for model SJ9253 RT)*

   b. Turn the latch on the scissor assembly to deploy the top maintenance support. Make sure that it is in a vertical position. Align the top maintenance support with the pipes on the cross member.
   c. Go down the MEWP ladder.
   d. Lower the platform until the pipes on the cross members fully touch the maintenance supports, and the platform stops.
6. Turn the **main power disconnect** switch to the off position.

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7.6 Floor loading pressure

Model		Weights				Pressures			
		MEWP Weight		Max Weight per Wheel/Outrigger**		LCP***		OFL***	
		kg	lb	kg	lb	kPa	psi	kPa	psf
SJ9233 RT on Wheels	Min*	6114	13479	1860	4100	857	124	5.9	124
	Max*	7523	16586	2630	5800	930	135	7.1	149
SJ9233 RT on Outrigger Pads	Min*	6276	13836	1860	4100	498	72	5.9	124
	Max*	7523	16586	2630	5800	705	102	7.1	149
SJ9243 RT on Wheels	Min*	6749	14879	1950	4300	853	124	6.6	137
	Max*	7818	17236	2585	5700	920	133	7.4	155
SJ9243 RT on Outrigger Pads	Min*	6911	15236	1950	4300	522	76	6.6	137
	Max*	7818	17236	2585	5700	693	100	7.4	155
SJ9253 RT on Wheels	Min*	8045	17736	2268	5000	867	126	7.6	159
	Max*	8725	19236	2790	6150	971	141	8.3	173
SJ9253 RT on Outrigger Pads	Min*	8045	17736	2268	5000	609	88	7.6	159
	Max*	8725	19236	2790	6150	747	108	8.3	173
SJ9664 RT on Wheels	Min*	9980	22000	2525	5560	906	131	9.1	190
	Max*	10492	23130	3000	6600	1040	151	9.5	200
SJ9664 RT on Outrigger Pads	Min*	9980	22000	2525	5560	686	98	9.1	190
	Max*	10492	23130	3000	6600	802	116	9.5	200

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* **Min:** Minimum MEWP weight (Unloaded platform, no options/attachments)
Max: Maximum MEWP weight (Platform loaded to capacity with options/attachments)

** **Wheel/Outrigger Load** is the weight that can be experienced on one wheel/outrigger.
Note: *This is more than 25% of the machine weight due to possible weight distribution over the machine and platform.*

*** **LCP:** Local Concentrated Pressure is a measure of how hard the MEWP presses on the area in direct contact with the floor/tire/outrigger.
OFL: Overall Floor Load (Pressure) is a measure of the average load the MEWP imparts on the whole surface directly underneath the chassis. This has been calculated by dividing the MEWP weight by the overall floor area occupied by the MEWP (on wheels/outriggers).

Note: *The floor covering (e.g., tile, carpet, etc.) or the structure (e.g., beams) of the operating surface must be able to withstand more than the values indicated above.*

Note: *The* **LCP** *or* **OFL** *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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DO NOT drive elevated near depressions or holes of any type, loading docks, debris, drop-offs or surfaces that may affect the stability of the MEWP.

IF OPERATION IN AREAS WITH HOLES OR DROP-OFFS IS ABSOLUTELY NECESSARY, elevated driving shall not be allowed. Position the MEWP horizontally only with the platform fully-lowered. After ensuring that all 4 wheels or outriggers (optional equipment) have contact with a firm, level surface, the platform can be raised. After elevation, the drive function must not be activated.

DO NOT ascend or descend grades greater than the maximum inclines listed in *Section 7.3*. Ascending or descending slopes must only be done when fully lowered.



DO NOT operate a MEWP that has ladders, scaffolding, or other devices on it to increase the platform size or work height.



DO NOT exceed the maximum side force on the platform capacity label when elevated (refer to *Section 7.5*).



DO NOT use the MEWP as a crane.



DO NOT sit, stand, or climb on the guardrails.



DO NOT climb on the scissor arm assembly.









DO NOT collide or crush. Be aware of obstructions, personnel, or other possible hazards around the MEWP when elevating, lowering, or driving. Keep all body parts inside the platform when elevating or driving. Be aware of blind spots when operating the MEWP.



DO NOT elevate the platform when the MEWP is on a truck, forklift, or other device or vehicle.

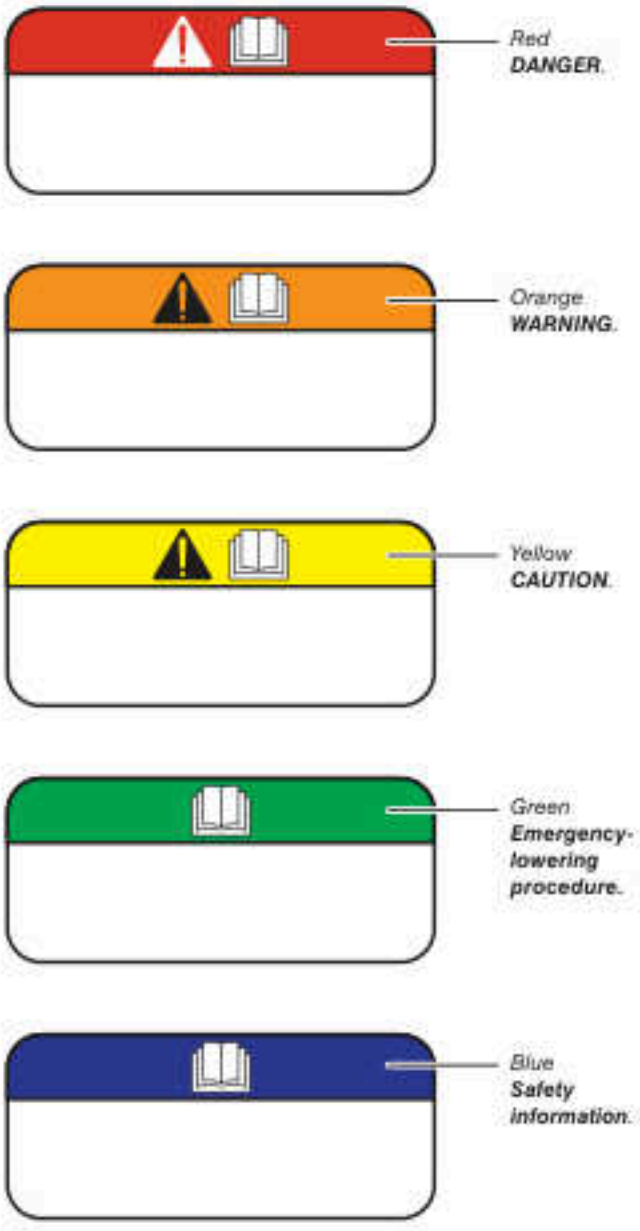


DO NOT use the MEWP when the wheels or tires are damaged (refer to *Section 4.2-4*).

Make sure the wheel nuts are tight.

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Section 8 – Labels



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