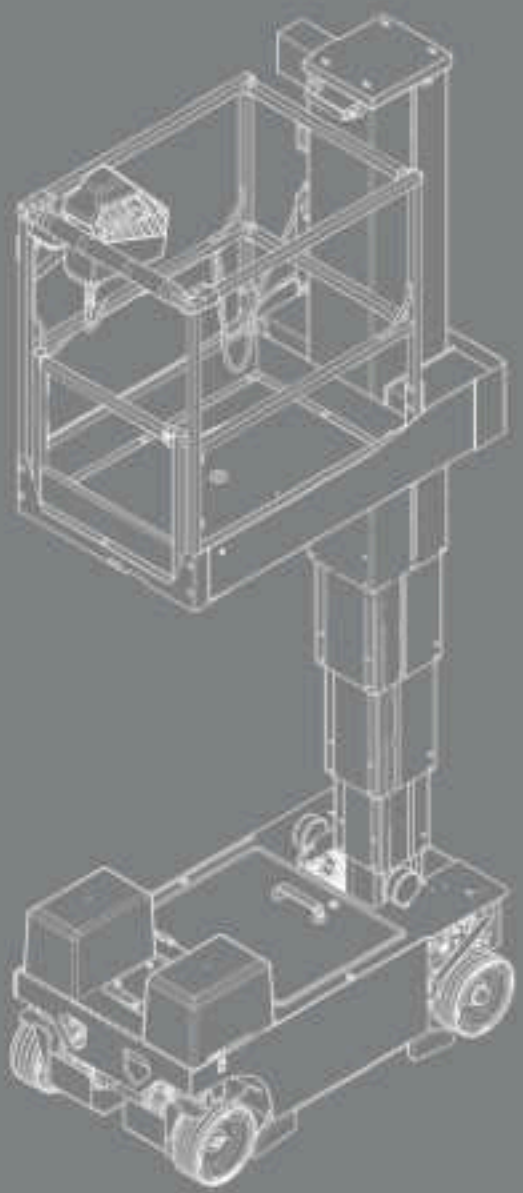
SKYJACK

OPERATION MANUAL

SJ12 E, SJ16 E, SJ20 E

VERTICAL MAST



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ANSI/CSA

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1.4 Maintenance responsibility

1.4-1 Operator

Before each shift starts, do all the daily inspections and function tests. Refer to *Section 4*.

1.4-2 Maintenance and inspection schedule

Refer to the service manual for the frequent, periodic, and annual inspections.

The actual operating environment of the MEWP may affect the maintenance schedule.

IMPORTANT

Only use original or manufacturer-approved parts for the MEWP.

NOTE

Refer to the Skyjack website (www.skyjack.com) for machine registration and the latest service bulletins before you do periodic or annual inspections.

1.4-3 Owner

The owner is responsible for the maintenance inspections and repairs. Refer to the service manual for the maintenance instructions, the recommended intervals and inspection areas. Keep a record of the annual inspection on the label on the mast assembly.

Refer to *Section 7.2*.

⚠ WARNING

Only trained and qualified/competent personnel, who understand the mechanical procedures, may do maintenance on the MEWP. The use of a MEWP that is not properly maintained or in the correct working condition could result in death or serious injury.

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5.8 Raise and lower with the SGLE platform control console (optional equipment)

1. Energize the platform control console (refer to *Section 5.3*).
2. Move the **lift/off/drive** switch to the **lift position**.

⚠ 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.

3. Push and hold the **SGLE** push-button and squeeze the **function-enable** switch.
4. Push the **controller handle** until you are at the necessary height.
5. Squeeze the **function-enable** switch.
6. Pull the **controller handle** to lower the platform.

NOTE

The SGLE does not have an effect on these functions: lower, drive, steer, or emergency lowering.

7. Release the **controller handle** until it goes back to the center 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.

5.9 MEWP shutdown

⚠ 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. Select a reasonably well-protected location to park the MEWP. This location must have a firm, level surface, clear of obstructions and traffic.
2. Fully lower the platform.
3. Push the **emergency-stop** button.

⚠ WARNING

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

4. Exit the platform.
5. Turn the **off/platform/base key** switch to the off position on the base control console and remove the key.
6. Push the **emergency-stop** button.
7. Turn the **main power disconnect** switch to the off position.

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7.6 Floor loading capacity

Model		Total MEWP weight	Total MEWP load		
			Wheel**	LCP***	OFL***
SJ12 E	min*	913 kg (2012 lb)	295 kg (650 lb)	820 kPa (119 psi)	8.1 kPa (169 psf)
	max*	1140 kg (2512 lb)	449 kg (990 lb)	1059 kPa (154 psi)	10.1 kPa (212 psf)
SJ16 E	min*	931 kg (2054 lb)	355 kg (783 lb)	910 kPa (132 psi)	8.4 kPa (175 psf)
	max*	1158 kg (2554 lb)	510 kg (1125 lb)	1167 kPa (169 psi)	10.4 kPa (217 psf)
SJ20 E	min*	1107 kg (2440 lb)	276 kg (609 lb)	792 kPa (115 psi)	9.9 kPa (207 psf)
	max*	1266 kg (2790 lb)	426 kg (940 lb)	1021 kPa (148 psi)	11.3 kPa (237 psf)

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

** **Wheel** is the weight that can be experienced on one wheel
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.
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).

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.*

⚠ WARNING

Do not use tires other than the tires that Skyjack specifies for this MEWP. Do not mix different types of tires or use tires that are not in good condition. Only replace the tires with the same types that are approved by Skyjack. The use of other tires can make the MEWP less stable. If you do not obey, there is a risk of death or serious injury.

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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 is not allowed. Position the MEWP horizontally only with the platform fully lowered. After making sure that all four wheels 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*. Only ascend or descend slope when the platform is 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 shown on the capacity label when the platform is elevated (refer to *Section 7.4*).



DO NOT use the MEWP as a crane.



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



DO NOT climb on the base or the mast.









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.



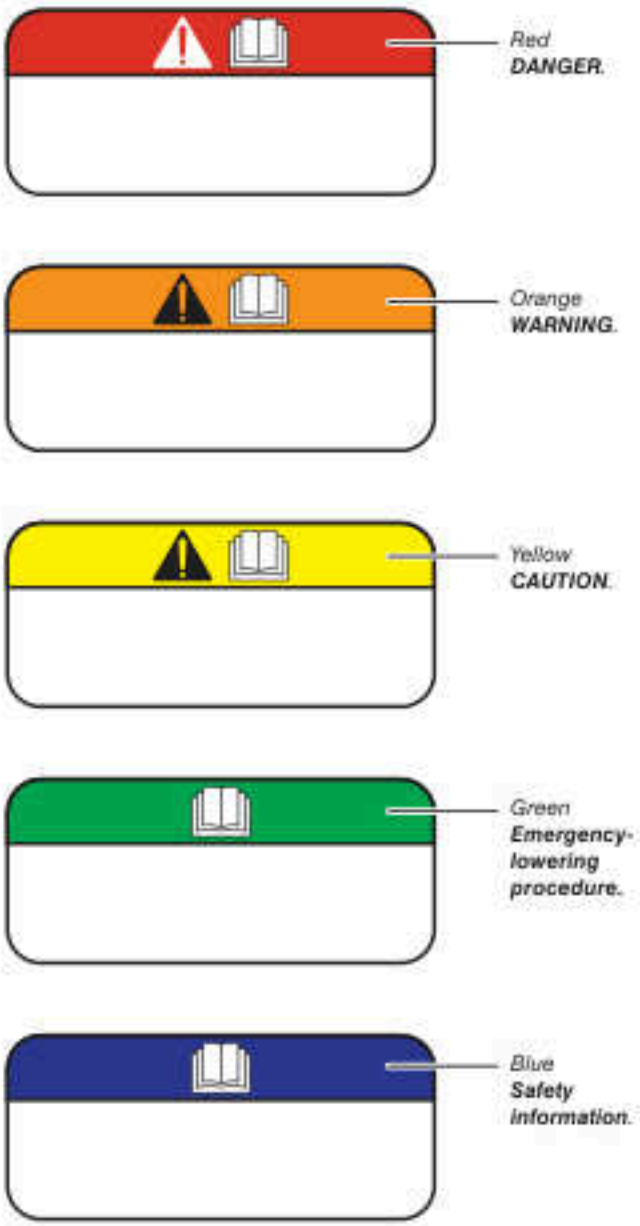
DO NOT elevate the platform when the MEWP is on a truck, forklift, or other device or vehicle.



DO NOT use the MEWP when the wheels or tires are damaged. Make sure the wheel nuts and cotter pins are in place (refer to *Section 4.2-6*).

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Section 8 – Labels



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