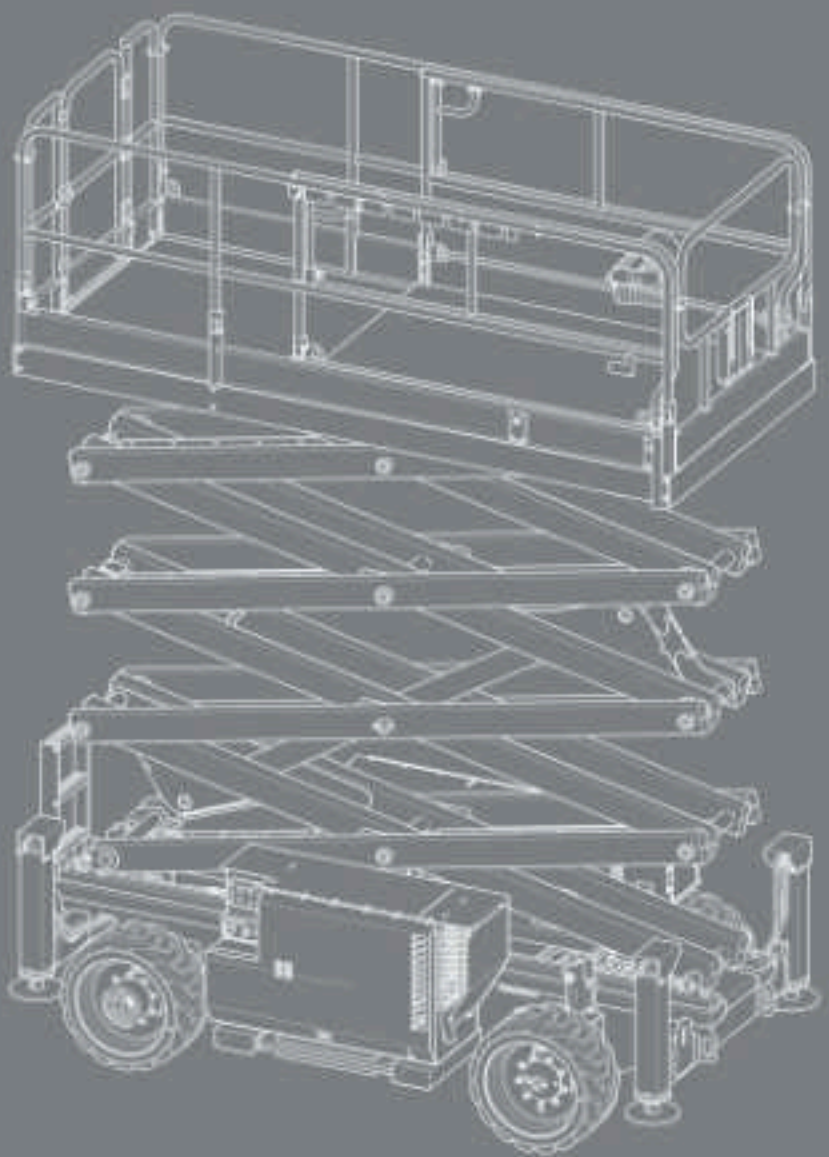
SKYJACK

# OPERATION MANUAL

## SJ6940 RT

ROUGH TERRAIN SCISSORS



**264584ABA**
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ANSI/CSA

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## 5.2 Raise or lower the platform and outriggers with the base control console

1. Energize the base control console (refer to *Section 5.1*).
2. Push and hold the **platform lifting/lowering enable** button.
3. Push and hold the **lifting/retracting** button to raise the platform. Push and hold the **lowering/extending** button to lower the platform.
4. Release the buttons to stop.

**⚠ 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.**

5. Press the **outrigger enable** buttons.
6. Push and hold the **lowering/extending** button to extend the outriggers. Push and hold the **lifting/retracting** button to retract the outriggers.
7. Release the buttons to stop.

**NOTE**

*The outrigger function at the base to be used by service professionals.*

**⚠ WARNING**

**Tip-over hazard. Make sure the surface below the tires and outrigger pads is firm and can hold the MEWP and the rated load. Do not put the outrigger pads on street drains, manhole covers, or other unsupported surfaces. If you do not obey, there is a risk of death or serious injury.**

**NOTE**

*The drive functions are disabled if the outriggers are not fully retracted.*

**⚠ CAUTION**

**If the outrigger alarm makes a sound during operation, immediately lower the platform and put the MEWP on a firm surface. The MEWP must be on a firm surface for you to operate it.**

**IMPORTANT**

**Limit switches prevent outrigger damage. If the drive functions are not available, do a visual inspection of the outriggers to make sure they are all fully retracted.**

## 5.3 Energize the platform control console

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

**⚠ WARNING**

**If an error message appears on the display, 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.



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# 7.3 Specifications

| Models | SJ6940 RT | |
|---|---|---|
| Weight (Without Outriggers)* | 5019 kg (11064 lb) | |
| Weight (With Outriggers)* | 5019 kg (11064 lb) | |
| Overall Width | 1.79 m (5 ft 10.5 in) | |
| Overall Length (Platform Retracted) | 3.63 m (11 ft 10.9 in) | |
| Overall Length (Platform Extended) | 4.7 m (15 ft 5 in) | |
| Platform Length, Inside (Platform Retracted) | 3.38 m (11 ft 1 in) | |
| Platform Length, Inside (Platform Extended) | 4.45 m (14 ft 7.2 in) | |
| **Height** | | |
| Working Height | 14.02 m (46 ft) | |
| Platform Elevated Height | 12.19 m (40 ft) | |
| Stowed Height (Railings Up) | 2.74 m (9 ft) | |
| Stowed Height (Railings Down) | 1.98 m (6 ft 6 in) | |
| Drive Height (Maximum) | FULL | |
| **Standard operating times** | **Diesel** | **Dual fuel** |
| Lift Time (No Load) | 71 sec | 62 sec |
| Lower Time (No Load) | 41 sec | |
| Lift Time (Rated Load) | 72 sec | 63 sec |
| Lower Time (Rated Load) | 38 sec | |
| System Pressure | 3000 psi (207 bar) | |
| **Chassis** | | |
| Normal Drive Speed | 5.47 km/h (3.4 mph) | |
| Elevated Drive Speed | 0.43 km/h (0.27 mph) | |
| Gradeability (Ramp Angle) | 35 % | |
| Tires (Foam Filled) | 26 X 12 - 18 | |
| **Engine** | | |
| RPM Diesel | 3000 rpm | |
| RPM Dual Fuel | 3600 rpm | |
| Fuel Tank Capacity | 87 L (23 gal) | |
| **Hydraulic oil** | | |
| Type | ATF Dexron III | |
| Tank Capacity | 69 L (18.2 gal) | |
| | | |
| Sound Pressure Level (according to section M.1 of EN280-1:2022) | 69 dB(A) | |
| Guaranteed Maximum Sound Power Level (according to section M.2 of EN280-1:2022) | 96 dB(A) | |
| Whole-body Vibration on Platform | ≤ 0.5 m/s² | |

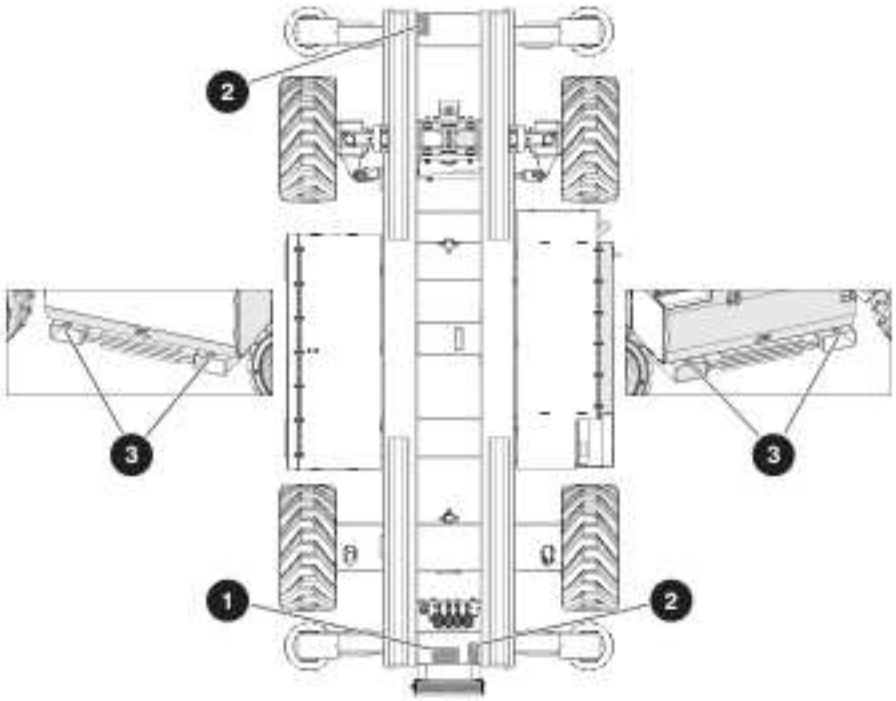
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* *Weights are approximate; refer to serial nameplate for specific weight.*



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# 8.7 Top




| Description | Label Pictorial |
|---|---|
| **1 Maintenance support procedure**<br>▪ Refer to *Section 6.8* |  |
| **2 Warning - deploy maintenance support(s)**<br>Do not do maintenance or inspections in the scissor assembly unless the maintenance support(s) are deployed. |  |
| **3 Forklift lift location**<br>Insert fork fully into forklift lift location to lift the MEWP. |  |



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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 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 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.

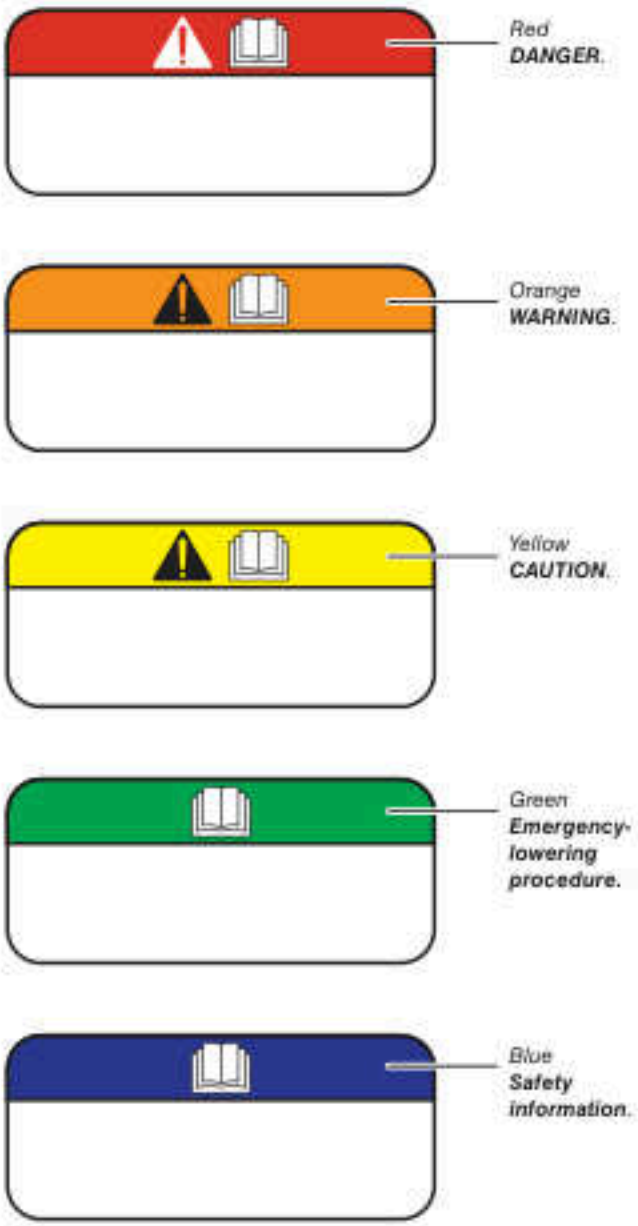


**DO NOT** use the MEWP when the wheels or tires are damaged. Make sure the wheel nuts are tight. Refer to *Section 4.2-5*.



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# Section 8 – Labels






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