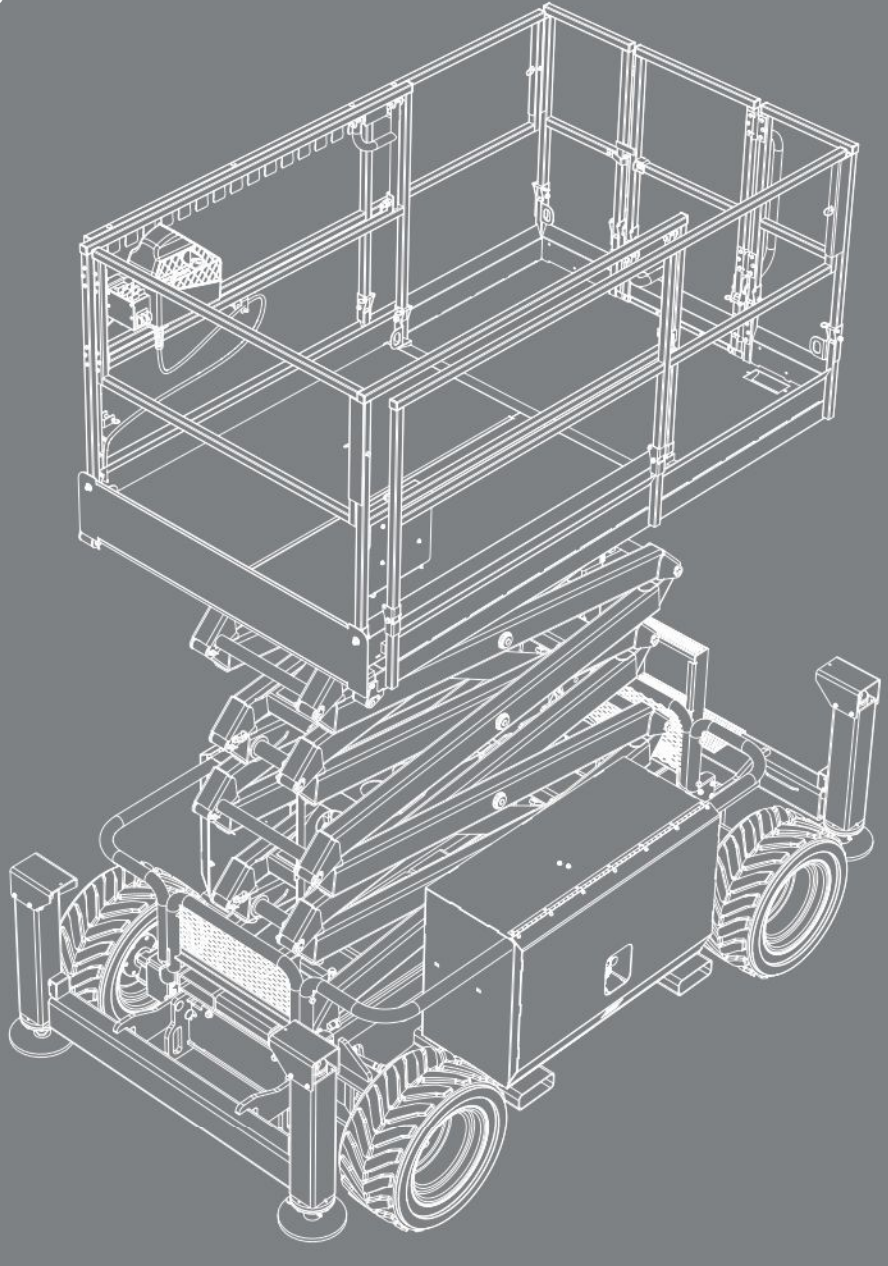
SKYJACK

# OPERATION MANUAL

## SJ6832 RTE

ROUGH TERRAIN SCISSORS



**221844ACAI**
August 2021
CE

**This manual is for MEWPs with serial numbers:**

**SJ6832 RTE:** A201 000 001 & Above

**Please refer to the website (www.skyjack.com) for contact information, other Serial Numbers, the most recent Technical Manuals, and USB software.**

Original instructions in English.

# THIS SAFETY ALERT SYMBOL MEANS ATTENTION!

## BE ALERT! YOUR SAFETY IS INVOLVED.

The Safety Alert Symbol identifies important safety messages on MEWPs, safety signs in manuals or elsewhere. When you see this symbol, be alert to the possibility of personal injury or death. Follow the instructions in the safety message.

### ⚠ DANGER

**DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.**

### ⚠ WARNING

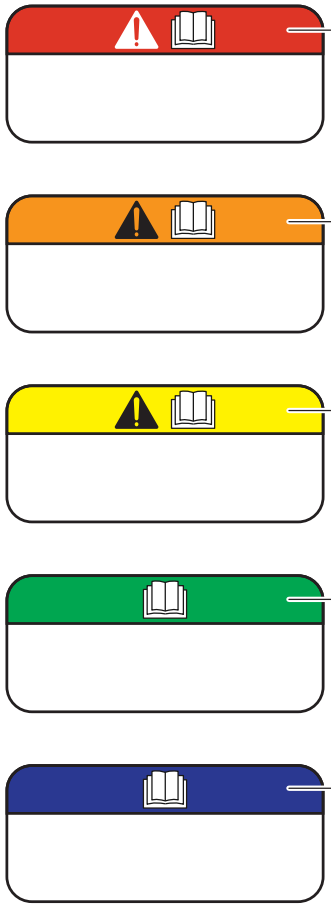
**WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**

### ⚠ CAUTION

**CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.**

### IMPORTANT

**IMPORTANT indicates a procedure essential for safe operation and which, if not followed, may result in a malfunction or damage to the MEWP.**



# Notes

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# Section 1 – About this Mobile Elevating Work Platform (MEWP)

## 1.1 Read and heed

Skyjack is continuously improving and expanding product features on its equipment; therefore, specifications and dimensions are subject to change without notice.

### 1.1-1 Mobile Elevating Work Platform (MEWP) definition

A mobile machine intended for moving persons, tools, and material to working positions, consisting of a work platform with controls, an extending structure and a chassis.

### 1.1-2 Purpose of equipment

The Skyjack Rough Terrain Electric Scissor lifts are designed to move personnel, tools, and materials to working positions.

### 1.1-3 Use of equipment

The MEWP is a highly maneuverable, mobile work station. Work platform elevation and elevated driving must only be done on a firm, level surface.

### 1.1-4 Operation manual

The operation manual is an important part of the MEWP. It is important to always keep a copy of this manual in the weather-resistant manual storage box of the MEWP. The manual must be in good condition.

### 1.1-5 Operator

The operator must read and completely understand this operation manual, the safety panel label located on the platform, the limitations, operating procedures, operator's responsibility for maintenance and all other warnings and instructions in this manual and on the MEWP.

Before you operate the MEWP, make sure you read and completely understand this information:

1. The full contents of the operation manual, including the MEWP limitations and the responsibilities of the operator for the operation, applicable maintenance and safety instructions.
2. The safety panel label on the platform, the labels on the MEWP and the attachments.

Compare the labels on the MEWP with the labels in this manual. Immediately replace any labels that are damaged or missing.

Only trained and authorized personnel shall be permitted to operate a MEWP.

The operator must be familiar with the employer's work rules and related government regulations.

### 1.1-6 Service policy and warranty

Skyjack warrants each new product to be free of defective parts and workmanship for the first 2 years or 3000 hours, whichever occurs first. Any defective part will be replaced or repaired by your local Skyjack dealer at no charge for parts or labor. In addition, all products have a 5 year structural warranty. Contact the Skyjack Service Department for warranty statement extensions or exclusions.

### 1.1-7 Ownership of MEWP

Notify Skyjack of MEWP ownership. If you sell or transfer the ownership of a MEWP, promptly notify Skyjack of the new owner's contact information.

Skyjack needs this information to inform the owner of any updates or additional activities that are necessary to keep the machine in proper working condition.

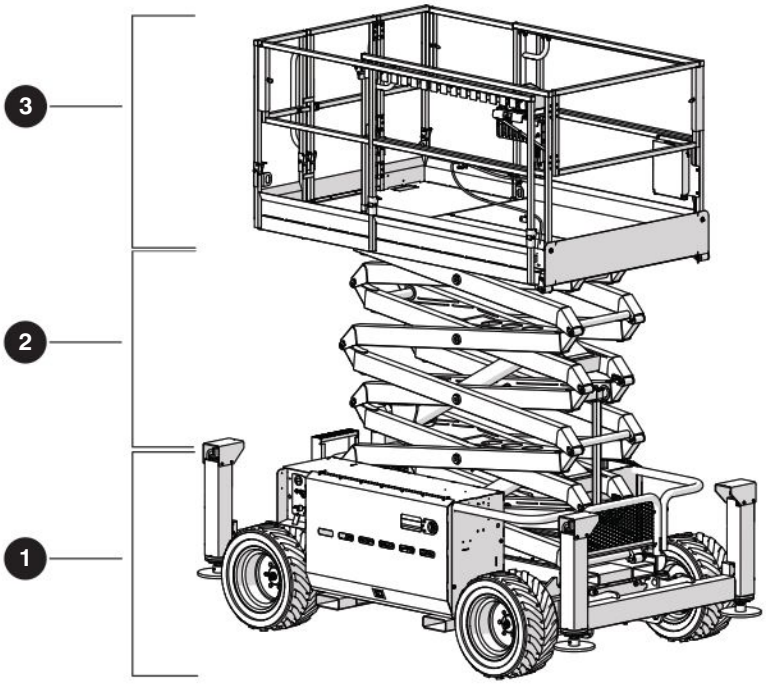
### 1.1-8 Optional equipment

This MEWP is designed to accept a variety of optional accessories. Refer to *section 7.1* for a list of the optional accessories. Operating instructions for these options are located in *Section 5* of this manual.

For components or systems that are not standard, speak to the Skyjack Service Department. Give the model and serial number for each applicable MEWP.

## 1.1-9 Scope of this manual

1. This manual applies to the CE version of the SJ Rough Terrain Electric Scissor Lift series. For a list of applicable models, refer to *section 7.1*.
   - Equipment identified with CE meets the requirements of the Machinery Directive 2006/42/EC and the EMC Directive 2014/30/EU.




## 1.2 Primary assemblies

The MEWP has these primary assemblies:

1. Base
2. Lift mechanism
3. Platform.

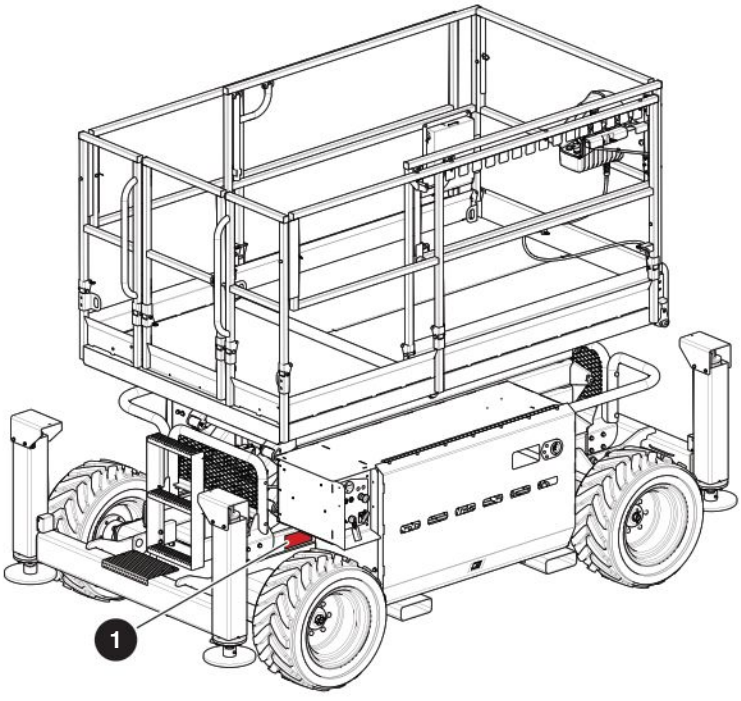
1 **Base:** The base is an assembly consisting of these components:

- A compartment attached to the right side of the base. The compartment contains these parts:
  - Base control console
  - Electrical panel
  - Motor controller panel
  - Batteries
- A compartment attached to the left side of the base. The compartment contains these parts:
  - A hydraulic tank with a sight gauge
  - An electric motor/hydraulic pump
  - Hydraulic manifolds
  - An emergency-lowering system.
- A ladder at the rear of the base.
- Two front and two rear outriggers (optional equipment).
- Two front wheels driven by hydraulic wheel motors. The front wheels are steered by a hydraulic cylinder.
- Two rear wheels driven by hydraulic wheel motors.
- A hydraulic pump which gives power to the hydraulic system. It is connected to the electric motor.

2 **Lift mechanism:** The lift mechanism is a scissor-type assembly made of formed steel or tube sections. Single-acting hydraulic-lift cylinders with holding valves move the scissor assembly and the platform up and down.

3 **Platform:** The platform has these parts:

- A tubular support frame
- A slip-resistant “diamond plate” deck surface
- Hinged tubular guardrails, with mid-rails and toe boards
- A spring-returned gate with a latch
- A front extension platform
- A platform control console
- An AC power outlet.




## 1.3 Serial number nameplate

The **serial number nameplate** 1 is located at the front of the MEWP. It contains this information:

- Model number
- Type
- Group
- Serial number
- Indoor or outdoor use
- Capacity and maximum number of persons
- Voltage
- Maximum drive height
- Maximum platform height
- Maximum wind speed
- Maximum manual force
- Model year
- MEWP weight
- System pressure
- Maximum incline.

# 1.4 Maintenance responsibility

## 1.4-1 Operator

Before the beginning of each shift, 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 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 and components for the MEWP.**

**NOTE**

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

## 1.4-3 Owner

The owner is responsible for maintenance inspections and repairs. Refer to the service manual for the recommended maintenance and inspection areas and intervals. Keep a record of the annual inspection on the label on the scissor assembly. Refer to *section 7.2* in this manual.

**⚠ 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.**

# Notes

# Section 2 – General Safety Precautions

**⚠ WARNING**

**Failure to obey the instructions and precautions in this manual could result in MEWP damage, property damage, personal injury, or death.**

It is mandatory that you use this MEWP correctly. Read this manual and make sure you fully understand it before you operate the MEWP.

Use personal protective equipment (PPE) when you do work on or near machinery to protect your eyes, ears, hands, feet, and body.

Any modifications to the MEWP must have written permission from Skyjack.

**⚠ WARNING**

**Do not operate the MEWP if:**

- **It does not operate correctly**
- **It is damaged or shows worn or missing parts**
- **The safety devices are tampered with or disabled**
- **It is locked and tagged for servicing or repair**
- **It was modified without permission from Skyjack and the MEWP owner.**

**If you do not obey, there is a risk of death or serious injury.**

## 2.1 Electrocution hazards

The MEWP is not electrically insulated and does not provide protection from contact with or proximity to energized electrical conductors. Follow *section 2.1-1* for the minimum distance to keep between all parts of the MEWP, occupants, or tools, and the electrical conductors. Consider MEWP movement and electrical line sway in minimum distance calculation.

If you need to work nearer than 3 m (10ft), stop and apply control measures as determined by a qualified person with respect to electrical transmission and distribution.

Obey all the national, state/provincial/territorial and local safety rules.

### 2.1-1 Minimum distance from electrical conductors

**CE Guidance Note**
"Avoidance of danger from overhead lines."
**Adhere strictly to the governmental rulings and regulations applicable in your country.**

**⚠ DANGER**

**Electrocution hazard. Keep all parts of the MEWP, occupants, or tools a safe distance away from power lines, electrical power sources, or energized sources. If you do not obey, there is a risk of death or serious injury.**

**Keep a minimum safe distance from sources of high-voltage power.**

**DO NOT operate the MEWP during lightning or storms.**

**⚠ CAUTION**

**DO NOT use the MEWP as a ground for welding. If you do not obey, there is a risk of minor or moderate injury, or malfunction or damage to the MEWP.**

## 2.2 Safety instructions

### ⚠ WARNING

**DO NOT operate this MEWP without proper authorization and training. Failure to avoid this hazard could result in death or serious injury.**

### ⚠ WARNING

**DO NOT operate this mewp in enclosed areas without adequate ventilation for exhaust gas and fumes. Failure to follow this warning could cause death or serious injury.**

### ⚠ WARNING

**Failure to heed the following safety precautions could result in tip-over, falling, crushing, or other hazards leading to death or serious injury.**

KNOW all national, state/provincial or territorial, and local rules which apply to your MEWP and worksite.

MAKE SURE all the safety and instructional labels are correctly attached on the MEWP in the correct location. Clean or replace labels that you cannot read.

DISCONNECT and lock out main power disconnect on the left side of the MEWP when leaving the MEWP unattended to prevent unauthorized use.

**DO NOT wear jewelry or loose clothing that could become caught or entangled.**

**DO NOT allow the entanglement of ropes, cables or hoses with the MEWP, adjacent structures or objects.**

**Prevent falling from the platform. Always keep a firm footing on the platform floor when working thereon. Do not climb on the toe-board, mid-rail, or top-rail. Do not use planks, ladders, or any other devices on the platform for achieving additional height or reach.**

**DO NOT raise the platform or operate elevated in windy or gusty conditions that exceed the limits specified in** *section 7.4*.

**DO NOT increase the surface area of the platform or carry large surface area items when exposed to wind. Increasing the area exposed to the wind will decrease the MEWP stability.**

**DO NOT elevate or drive elevated on a slope. Elevated driving must be done on a firm, level surface.**

**DO NOT drive elevated on a soft or uneven surface.**

**DO NOT raise the platform if it is not on a firm, level surface.**

**MAKE SURE the ground condition assessment considers subsurface voids such as cellars, basements, culverts, and pipes.**

**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 7.4*).**

**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 (refer to *section 4.2-4*).**

**Make sure the wheel nuts are tight.**

**DO NOT alter or disable limit switches or other safety devices.**

**DO NOT use the MEWP without guardrails, locking pins, and the entry gate(s) in place.**

**DO NOT use the MEWP under the influence of alcohol or drugs, or if the operator's performance is impaired by a medical condition, the influence of prescription or over the counter drugs, or fatigue.**

**DO NOT exceed the rated capacity of the MEWP.**

**DO NOT distribute the load unevenly.**

**DO NOT use the MEWP if it does not function correctly or if any parts are damaged or worn.**

**DO NOT leave the MEWP unattended with the key in the key switch.**

**DO NOT operate on slippery surfaces without sufficient traction to stop, drive, or steer the MEWP.**

**STUNT driving and horseplay are prohibited.**

**DO NOT position the MEWP against another object to steady the platform.**

**DO NOT place materials on the guardrails or materials that exceed the confines of the guardrails unless approved by Skyjack.**

**Remove all personnel from the platform before you try to free a snagged platform with the base controls.**

## 2.3 Fall-protection

The guardrail system is the primary fall-protection system of the MEWP platform.

If personal fall-protection equipment (PFPE) is required, by an employer or the authority having jurisdiction, Skyjack recommends the use of a full body harness with a lanyard. PFPE must be attached only to approved fall-protection anchorage points in the platform.

All PFPE must be compliant with applicable government rules and must be inspected as per the manufacturer's recommendation.

**⚠ WARNING**

**Fall hazard.**

- **Only enter and exit the MEWP using the three points of contact principle.**
- **Only use the equipped access openings.**
- **Only enter and exit the MEWP when the platform is fully lowered.**
- **Face the MEWP when entering or exiting the platform.**

**Failure to follow these instructions could result in death or serious injury.**

Enter or exit the platform from the ground only. Use the three points of contact principle, which is when two hands and one foot, or one hand and two feet are in contact with the MEWP or the ground at all times. Face the MEWP when entering or exiting the platform.

## 2.4 Worksite inspection

Make sure the operating environment, ambient temperature, Electromagnetic Compatibility (EMC), and Hazardous Location Rating (locations with potentially flammable gases, explosive gases or particles) are appropriate for the MEWP specifications (refer to *section 7.3*).

Be sure to follow all national, state/provincial/territorial, and local rules that relate to operating the MEWP.

Perform a full worksite inspection before operating the MEWP. Identify potential hazards in the area.

Be aware of moving equipment in the area. Take the necessary precautions to prevent collisions.

It is the responsibility of the operator to perform a worksite inspection and avoid/address the following hazards:

- Holes or drop-offs
- Slopes
- Ditches or soft fills
- Floor obstructions, bumps, or debris
- Overhead obstructions
- Electrical conductors
- Hazardous locations
- Inadequate surface support to withstand all load forces imposed by the MEWP (refer to *section 7.6*)
- Wind and weather conditions
- Presence of personnel
- Other mobile equipment
- Traffic hazards
- Equipment that could move and collide with the MEWP, such as overhead cranes
- Other possible unsafe conditions.

# Notes

# Section 3 – Familiarization

**⚠ WARNING**

**Do not operate this MEWP without correct training and authorization. If you do not obey, there is a risk of death or serious injury.**

**⚠ WARNING**

**MEWP Familiarization must be given to a qualified operator. If you do not obey, there is a risk of death or serious injury.**

**⚠ WARNING**

**It is the responsibility of the operator to fully understand, and follow all instructions and warnings contained in this operation manual and on the MEWP. If you do not obey, there is a risk of death or serious injury.**

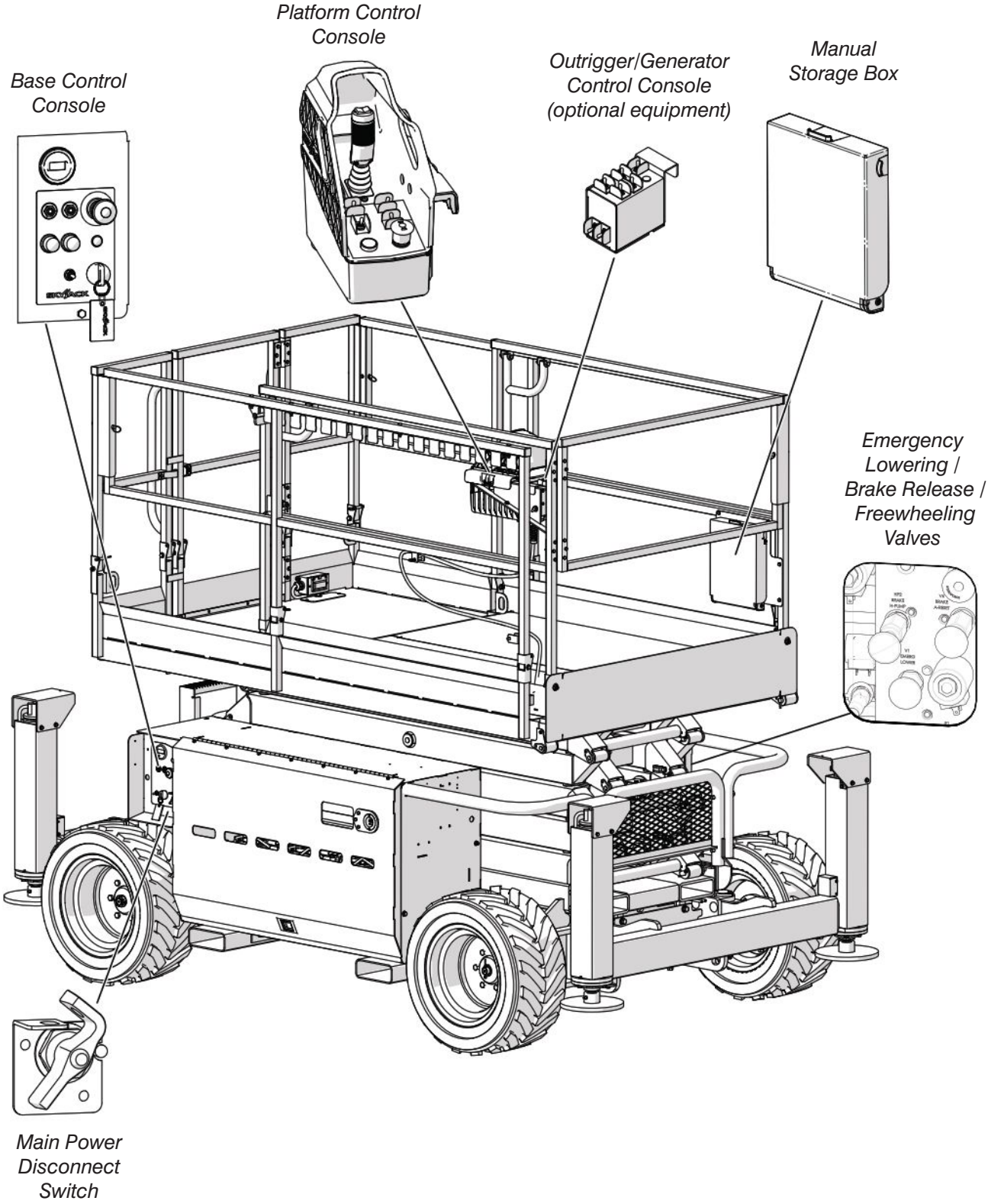
Read and fully understand the operation manual, all the warnings, and the instruction labels (refer to *Section 8*) on the MEWP.

Do these tasks before the operation:

1. Worksite inspection. Refer to *section 2.4*.
2. Daily visual and maintenance inspections. Refer to *section 4.2*.
3. Function tests. Refer to *section 4.3*.

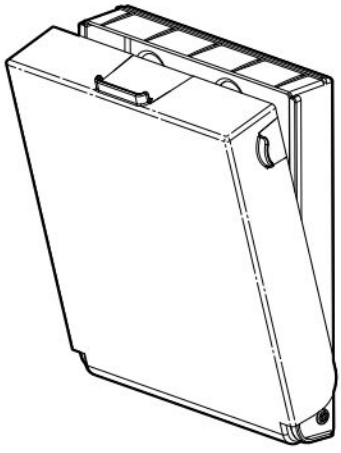
FAMILIARIZATION

# 3.1 Overview of the MEWP



## 3.2 Manual storage box

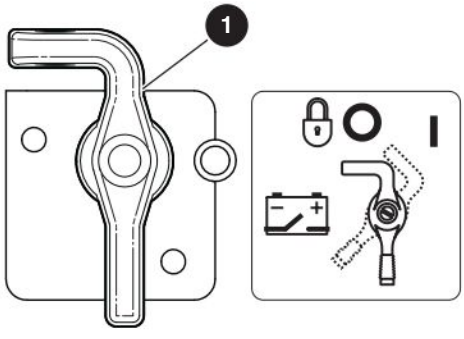
The manual storage box is weather-resistant. It contains the operation manual and other important documents. You must keep the operation manual for the make and model of this MEWP in this box. Refer to *section 3.1* for the location of the manual storage box.



## 3.3 Control functions

### 3.3-1 Main power disconnect switch

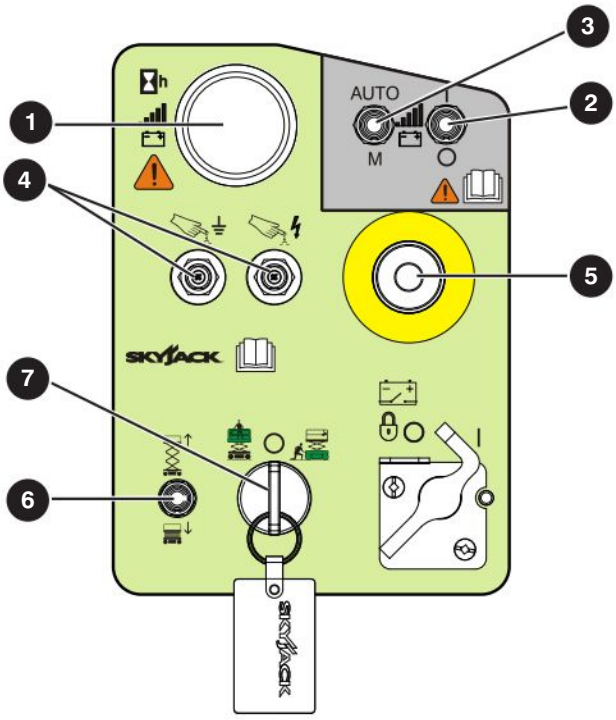
Refer to *section 3.1* for the location of the main power disconnect switch.




1. **Main power disconnect:** This switch disconnects power to all control circuits when it is in the off position. The switch must be in the on position to operate the MEWP. The switch must be in the off position when you transport the MEWP or put it in storage.

### 3.3-2 Base control console

Refer to *section 3.1* for the location of the base control console.

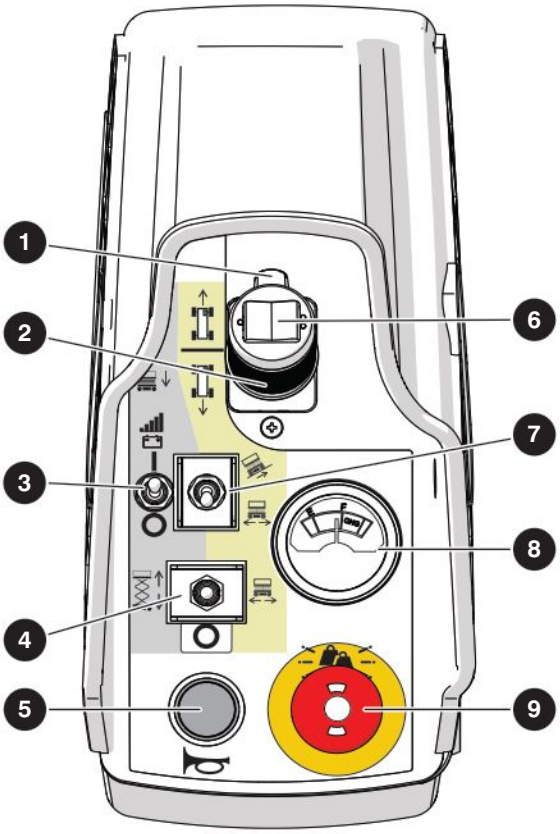



1. **Hour meter:** This gauge records the total hours of operation, battery level, and error codes.
2. **Hybrid Power Pack (HPP) (optional equipment):** This switch to starts or stops the HPP.
3. **Hybrid Power Pack (HPP) Automatic/Manual (optional equipment):** This switch controls the automatic (AUTO) or manual (M) mode of the HPP.
4. **Circuit breaker:** If a power overload or positive circuit grounding occurs, the circuit breaker comes out. Push the **circuit breaker** in to reset the power.
5. **Emergency-stop:** This button disconnects power to the control circuit. Pull to connect the power again.
6. **Lower/off/raise:** This switch controls the function to lower or raise the platform.
7. **Platform/off/base key:** With this three-way switch, you can:
   - Energize the platform controls.
   - Turn off the power to the MEWP controls.
   - Energize the base controls.

## 3.3-3 Platform control console

Use this control console to operate the MEWP from the platform or the ground. To operate the MEWP from a position on the ground, refer to *section 6.6*.

Refer to *section 3.1* for the location of the platform control console.




1. **Lift/drive/steer function-enable:** This switch energizes the controller handle. Squeeze and hold the switch continuously to engage the lift, drive and steer functions.
2. **Lift/drive controller:** This one-hand lever controls the lift and drive movements. To return it to the initial neutral position, release the controller.
3. **Hybrid Power Pack (HPP) (optional equipment):** This switch starts and stops the HPP.
4. **Lift/off/drive:** This switch has three positions or modes.
   - The off position on this switch disconnects the power to both the lift and drive circuits.
   - The lift position energizes the lift circuit.
   - The drive position energizes the drive circuit.
5. **Horn:** This push-button makes a sound like a car horn.
6. **Steering rocker:** This switch controls the left and right steering. Release the switch to return it to the neutral position.
7. **Inclined drive/level drive:** This switch selects the inclined drive (low speed/high torque), or the level drive (high speed/low torque).
8. **Battery voltmeter:** This shows the battery voltage.
9. **Emergency-stop/ Operation light:** This button disconnects power to the control circuit.
   - When the light is on continuously, the platform controls are available.
   - When the light flashes, there is an overload (refer to *section 3.4-9*).

# 3.4 Features and devices

## 3.4-1 Lowered travel position and elevated travel position

The available MEWP functions depend on these factors:

- MEWP configuration (lowered travel position/ elevated travel position)
- Chassis angle
- Platform load.

The MEWP is in the lowered travel position when the platform is below height “A” (refer to *Figure 01*).

The MEWP is in the elevated travel position when the platform is at or above height “A” (refer to *Figure 01*).

When the platform is above the maximum drive height, the drive function does not work (refer to *Figure 01*).

| Model | A - Height | Maximum drive height |
|---|---|---|
| SJ6832 RTE | < 2.13 m | Full height |

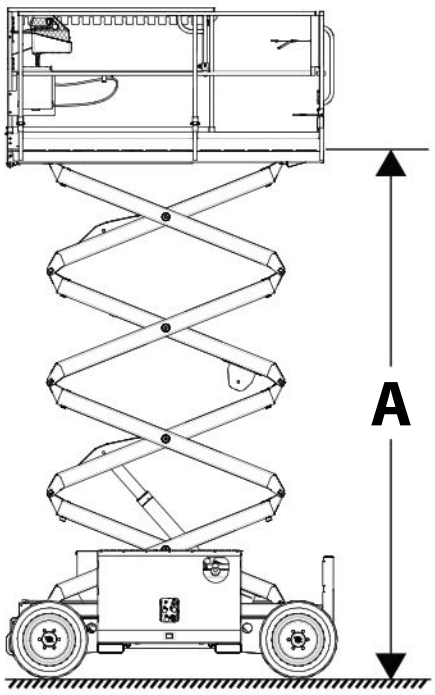



***Figure 01*** *Lowered and elevated travel position*

## 3.4-2 Drive speed

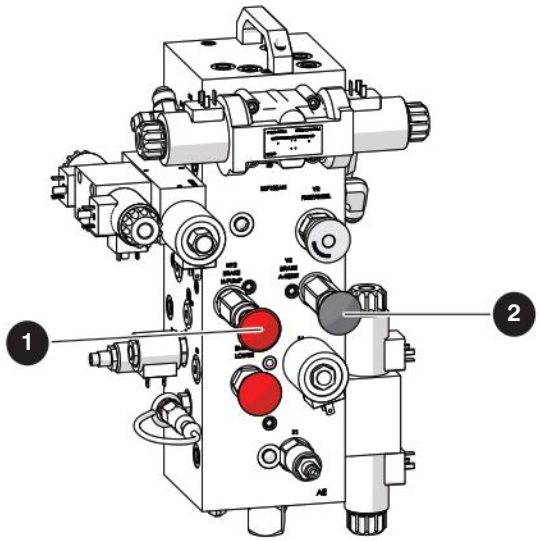
The drive speed depends on the MEWP configuration (lowered travel position/elevated travel position). When the MEWP is in the elevated travel position, the speed is slower than the speed in the lowered travel position.

## 3.4-3 Tilt switch

This device senses when the MEWP has passed a predetermined angle in the longitudinal (front-to-back) or lateral (side-to-side) direction (refer to *section 7.4)*. When the tilt switch is on, and the MEWP is in the elevated travel position, it disables the drive and lift functions. An alarm makes a sound and an amber light on the lower cross member flashes. If the alarm makes a sound, fully lower the platform. Level the MEWP before you raise the platform.

## 3.4-4 Brake release system

This system disengages the brakes manually before you push, winch, or tow the MEWP. Refer to *section 6.2* for the procedure. Refer to *section 3.1* for the location of the brake-release system.

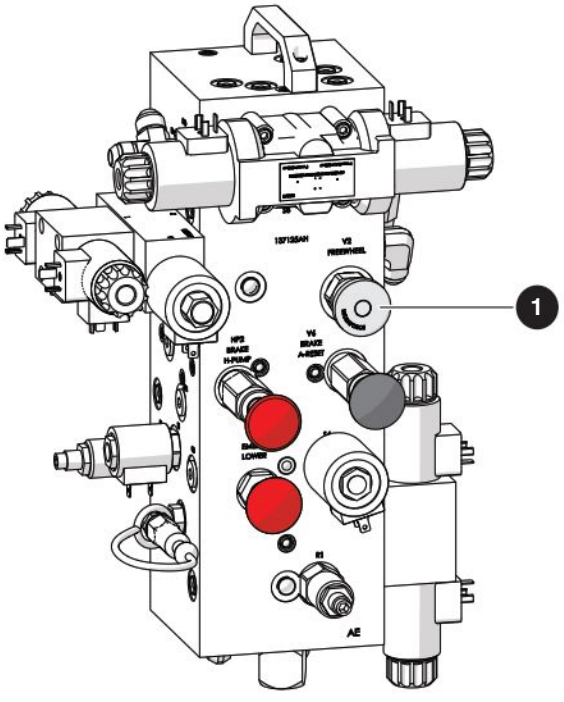



**1 Brake hand pump**

**2 Brake auto-reset valve plunger**

## 3.4-5 Freewheeling valve

Refer to *section 6.2* for the procedure on how to release the freewheeling valve.



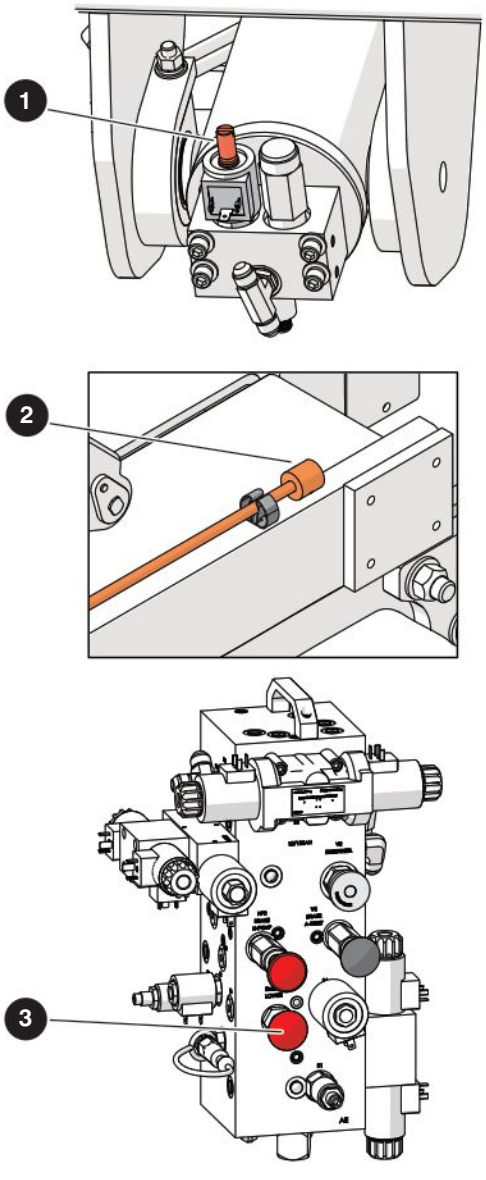

**1 Freewheeling valve**

## 3.4-6 Lowering warning system

The lowering warning system automatically stops the lowering function, and sounds an alarm, before the MEWP fully lowers. Make sure that no person is near the MEWP before you continue to lower the MEWP the remaining distance.

## 3.4-7 Emergency-lowering system

With the emergency-lowering system, you can lower the platform if there is a failure of the primary power. Refer to *section 6.1* for the emergency-lowering procedure.

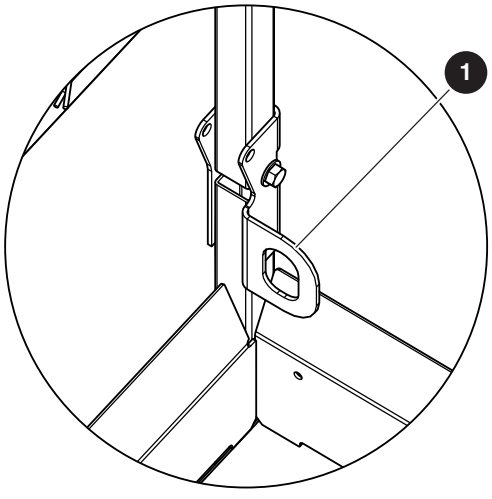



**1 Holding valve manual override knob**

**2 Emergency-lowering access rod**

**3 Emergency-lowering valve**

## 3.4-8 Fall-protection anchorage




❶ **Fall-protection anchorage:** When required, use this as a point to attach personal fall protection equipment (PFPE). Do not attach the PFPE to any other points on the platform. Do not use this anchorage to lift, anchor, attach, or hold the platform, or other apparatuses or material.

### ⚠ WARNING

**Only use the fall-protection anchorage in the limits of the platform. Do not use the fall-protection anchorage for other than its intended function (refer to *section 2.3*). If you use it incorrectly, death, serious injury, and/or MEWP damage can occur.**

## 3.4-9 Platform load-sensing system

The platform load-sensing system prevents normal MEWP movement when the platform is overloaded and in a stationary position. Refer to *section 7.4* for platform capacities.

| Load status | Result |
|---|---|
| The platform is near the rated load. All functions are available. | The light on the emergency-stop button flashes on the platform and base control consoles. |
| The platform is at the rated load. All functions are available. | The alarm sounds. The light on the emergency-stop button flashes on the platform and base control consoles. |
| The load on the platform is more than the rated load. All normal MEWP movement functions are unavailable. | The light on the emergency-stop button continues to flash on the platform and base control consoles.<br>The alarm continues to sound at an increased frequency. |

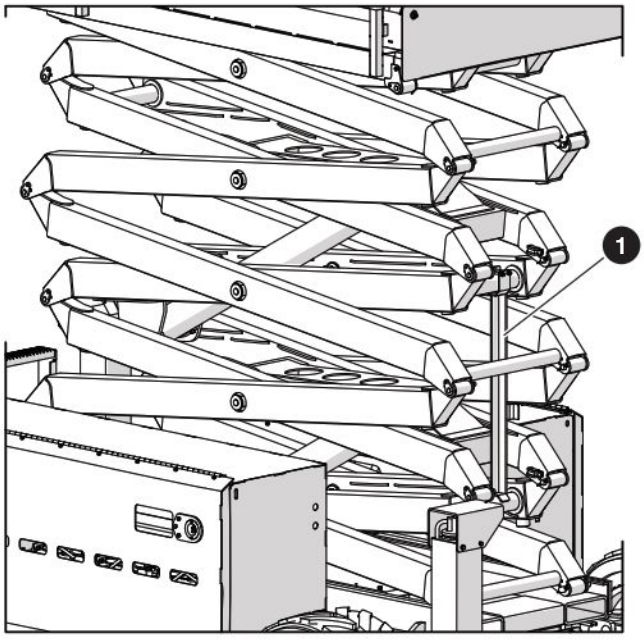
Remove the overload from the platform to continue the normal operation.

### ⚠ WARNING

**Fall hazard. Do not try to free a snagged platform with the base controls until you remove all personnel from the platform. If you do not obey, there is a risk of death or serious injury.**

### 3.4-10 Maintenance support

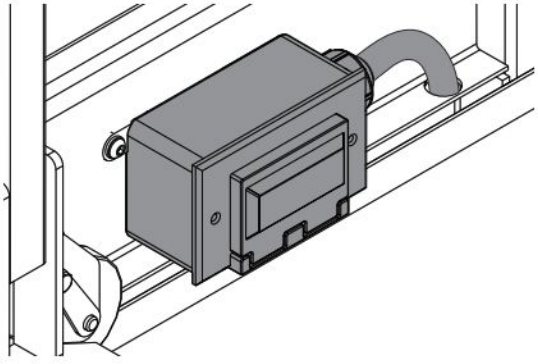
Use the **maintenance support** ❶ when you do an inspection of the lift mechanism or do maintenance. Refer to *section 6.9* for the procedure on how to use the maintenance support.




## 3.5 General components

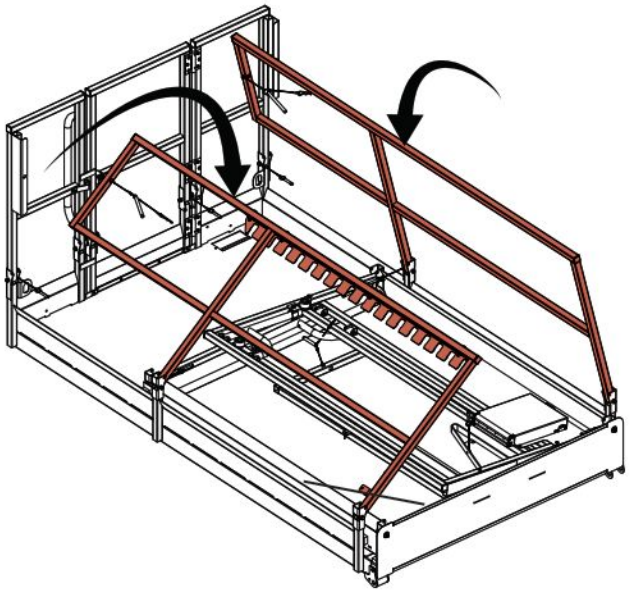
### 3.5-1 AC power socket on the platform

The AC power socket is a source of AC power on the platform when the plug at the base is connected to an external power supply.



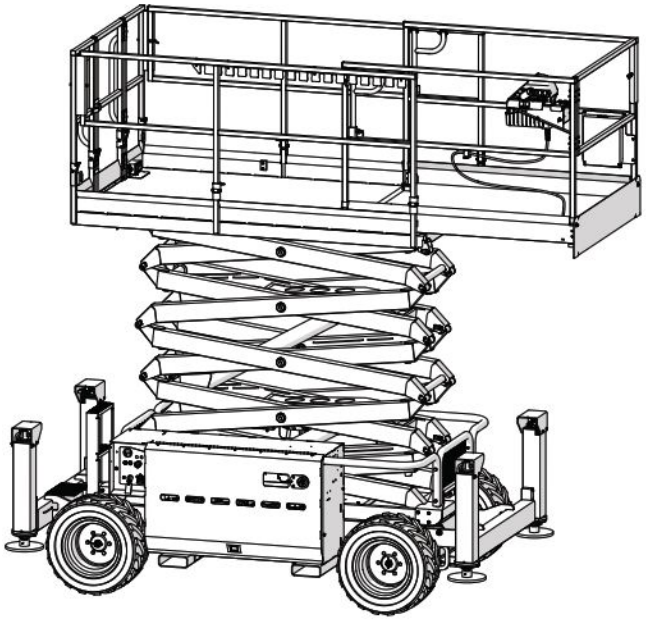
### 3.5-2 Folding guardrail system

When you fold down this system, it decreases the height of the fully-lowered MEWP to transport the MEWP and/or to drive the MEWP through doorways. Refer to *section 6.8* for the procedure on how to fold the guardrails.



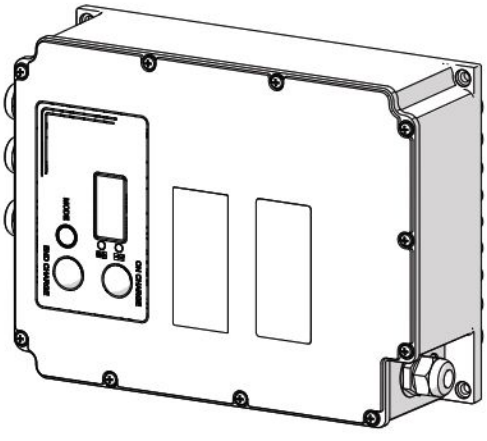
### 3.5-3 Extension platform

The extension platform increases the length and area of the platform. Refer to *section 5.9* on how to extend and retract the extension platform.



### 3.5-4 Battery charger

The battery charger is part of the motor controller panel. Refer to *section 6.4* for the battery charging procedure.



## 3.6 Optional equipment

**⚠ CAUTION**

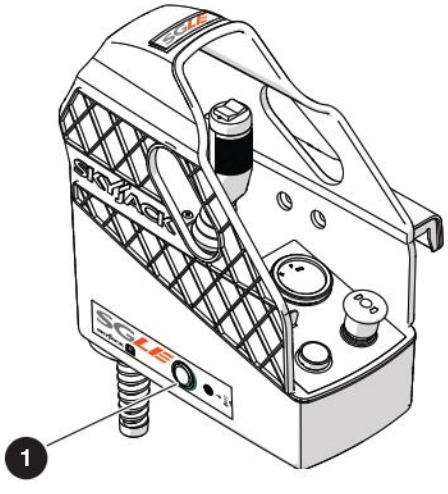
**Skyjack approved modifications and attachments can change the MEWP specifications. Refer to the applicable instructions and labels.**

**IMPORTANT**

**Refer to the labels of the optional equipment for the actual weight. Include this weight to calculate the total load on the platform. Include personnel and other materials in the total load.**

**The weight of the attached parts, panels, occupants, and tools put together must not be more than the rated platform capacity.**

### 3.6-1 Secondary Guarding Lift Enable (SGLE) push-button




1 **SGLE:** This push-button energizes the lift function. Hold the button down together with the function-enable switch to enable the raising of the platform with the lift function.

**NOTE**

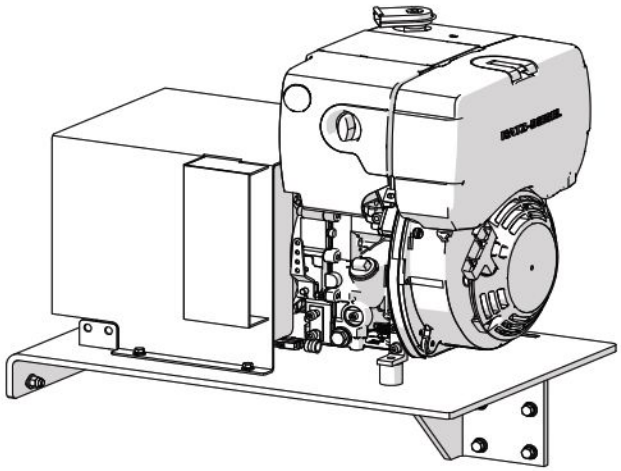
*The SGLE does not have an effect on these functions: lower, drive, steer, auto-level, or emergency-lowering.*

### 3.6-2 Hybrid Power Pack (HPP)

The hybrid power pack is a diesel-powered generator. The function of the HPP is to charge the battery.

It runs automatically or manually. In automatic mode, the HPP automatically starts when the battery is 50% charged, and stops when the battery is 90% charged. In manual mode, the operator makes the decision about when to start and stop the HPP.

Refer to *section 5.12* for operation information.



### 3.6-3 Motion alarm

The alarm makes a sound when a control function operates. On some MEWPs, an amber flashing light goes with this alarm.

### 3.6-4 Elevate™ telematics - access control unit

Access control is an added function of the Elevate™ Trackunit. The access control function does not have an effect on: emergency-lowering, load sensing, the horn, and when you lower the platform. These functions are always available. The access control unit does not allow the MEWP to operate without an approved code or card.

## IMPORTANT

**The owner is responsible to supply PIN codes or Smart ID cards for MEWPs that have the access control function. Skyjack does not supply or reset PIN codes or Smart ID cards. Speak to the MEWP owner to help you with PIN codes or Smart ID cards that do not function, or you cannot find.**

With the access control function, the user can control access to the MEWP operation. You can get unique PIN codes or Smart ID cards to unlock and start the MEWP. For this function, an Elevate™ telematics device and an access control keypad are necessary. With the Trackunit Manager, the MEWP owner can customize the access control to the MEWP (https://www.trackunit.com/services/manager/). Speak to the MEWP owner to help you with PIN codes or Smart ID cards that do not function, or you cannot find.


***Figure 02*** *Keypad of the access control unit*

1. **Orange indicator:** This light shows that the access control unit is ON. The keypad always has power regardless of the emergency-stop, platform/off/base key switch, or main power disconnect position.

❷ **Green/red indicator:** A green light shows that the access control unit is in operation. A red light that flashes shows that the keypad received a cancel input.

## Operation

To operate the MEWP, the light and all of these power connections must be ON before the set time expires. This set time is the time that the MEWP owner sets for the access control operation.

- The green light on the keypad of the access control unit.
- The main power disconnect switch.
- The emergency-stop button on the base control console.
- The platform/off/base key switch.

You can also set these power connections to ON before you start the access control unit.

To operate the access control unit, use the PIN code or Smart ID card.

**With the Keypad:**

### NOTE

*This touch-sensitive keypad beeps to identify a correct input.*

1. Enter the PIN code.
2. Press the **green checkmark** to confirm.
   - **Result:** The green light identifies an approved ID. Start the operation.

### NOTE

*If you push an incorrect button when you enter the PIN code, push the Cancel button to start again.*

**With the Smart ID Card:**

1. Put the card in front of the reader.
2. A beep identifies that the reader read the card.
   - **Result:** The green light identifies an approved ID. Start the operation.

### IMPORTANT

**If the set time of the access control unit expires, enter the PIN code or tap the Smart ID card again. If there is a failure of the access control activation, speak to the MEWP owner.**

### IMPORTANT

**The access control unit will not operate if these power connections are not ON in the set time, or if the operator disconnects them:**

- **The main power disconnect switch**
- **The emergency-stop button on the base control console**
- **The platform/off/base key switch.**

### IMPORTANT

**To start the access control unit, enter the PIN code or tap the Smart ID card. These power connections must be in the ON position in the set time:**

- **The main power disconnect switch**
- **The emergency-stop button on the base control console**
- **The platform/off/base key switch.**

## Function Tests

Do the function tests as specified in *section 4.3*.

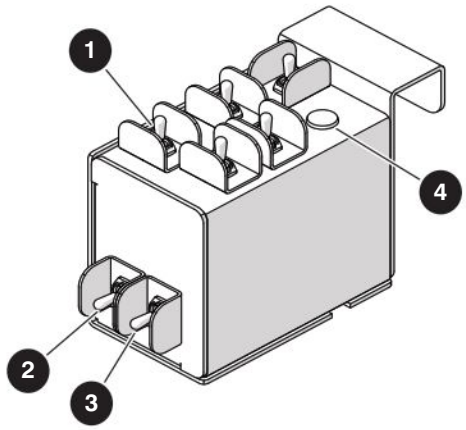
When you do the function tests, make sure that the green light on the keypad is ON. This light confirms that the access control unit is in operation. Do the function tests for these power connections in the set time:

- The main power disconnect switch
- The emergency-stop button on the base control console
- The platform/off/base key switch.

## 3.6-5 Outrigger/Generator control console

The auto-level system deploys and retracts all four outriggers at the same time. Use this system to level the MEWP from the platform.

The outrigger control console is next to the platform control console. The switches on the outrigger control console control the extension and retraction of the outriggers.




1. **Outrigger extend/retract**: These switches control the extension and retraction of each outrigger.
2. **Auto-level:** In the extend position, each outrigger extends and automatically adjusts until the MEWP is level. In the retract position, the outriggers retract.
3. **Outrigger enable:** When in the extend or retract position, this switch enables functions of the auto-level switch and outrigger extend/retract switches.
4. **Auto-level light:** This light illuminates to show the status of the outriggers when the automatic and manual level functions are in use. The light has these states:

| Auto-level light | Outrigger condition |
|---|---|
| Off | The outriggers are fully retracted. The outriggers are not active. |
| Flashing slowly | Indicates the outrigger extension or retraction. |
| Flashing quickly | The outriggers are extended and the MEWP is not level, or there is an outrigger or auto-level function error. |
| On | The outriggers are extended and the MEWP is level. The light is on while the auto-level function is active only. |

# Section 4 – Inspections Before Operation

## 4.1 Operator's Responsibility

Do these tasks before each work shift and in this sequence:

1. **Visual and daily maintenance inspections** (refer to *section 4.2*).

**⚠ WARNING**

**Do an inspection on the MEWP for damage or loose or missing parts. If damage is found, lock and tag the MEWP and remove it from service. If you do not obey, there is a risk of death or serious injury.**

2. **Function tests** (refer to *section 4.3*).

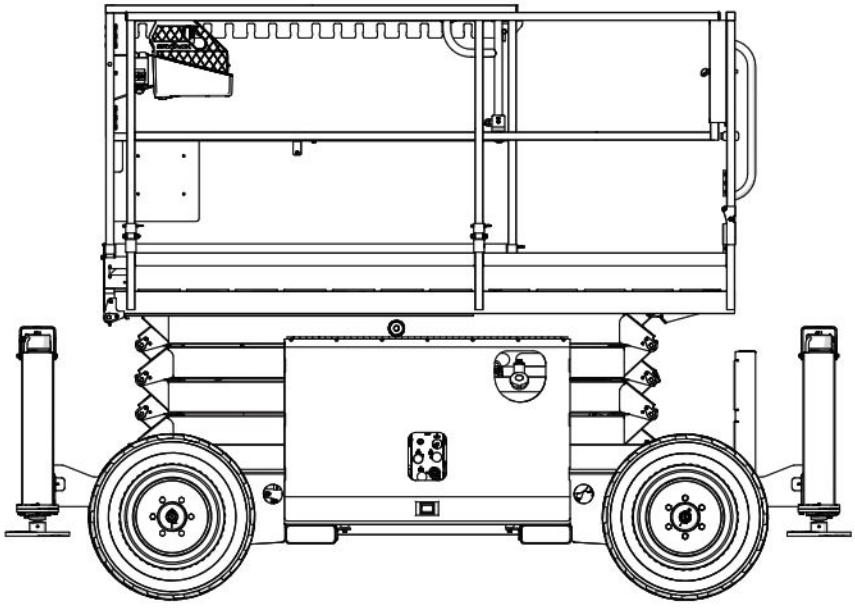
Refer to *section 4.4* for a checklist of the inspection items.

**⚠ WARNING**

**If the MEWP is damaged or has been modified from the initial factory-delivered condition, without permission from Skyjack, lock and tag the MEWP. Remove the MEWP from service. If you do not obey, there is a risk of death or serious injury.**

Repairs to the MEWP are tasks only for a qualified service technician. Do the visual and daily maintenance inspections and function tests again after the repairs.

Scheduled maintenance inspections are a task only for a qualified service technician.



## 4.2 Visual and daily maintenance inspections

Do an inspection of the MEWP in this sequence.

**⚠ WARNING**

**Do not operate a MEWP that does not function correctly. Lock and tag the MEWP, and remove it for servicing. Only a qualified service technician must repair the MEWP. If you do not obey, there is a risk of death or serious injury.**

**⚠ WARNING**

**Turn the main power disconnect switch to the off position before you do the visual and daily maintenance inspections. If you do not obey, there is a risk of death or serious injury.**

**⚠ CAUTION**

**Make sure that the MEWP is on a firm, level surface before you do the visual and daily maintenance inspections. If you do not obey, there is a risk of machine damage.**

### 4.2-1 Labels

Refer to *Section 8* in this manual for the labels. Make sure all the labels are in the correct location, are in good condition, and you can read them.

### 4.2-2 Electrical

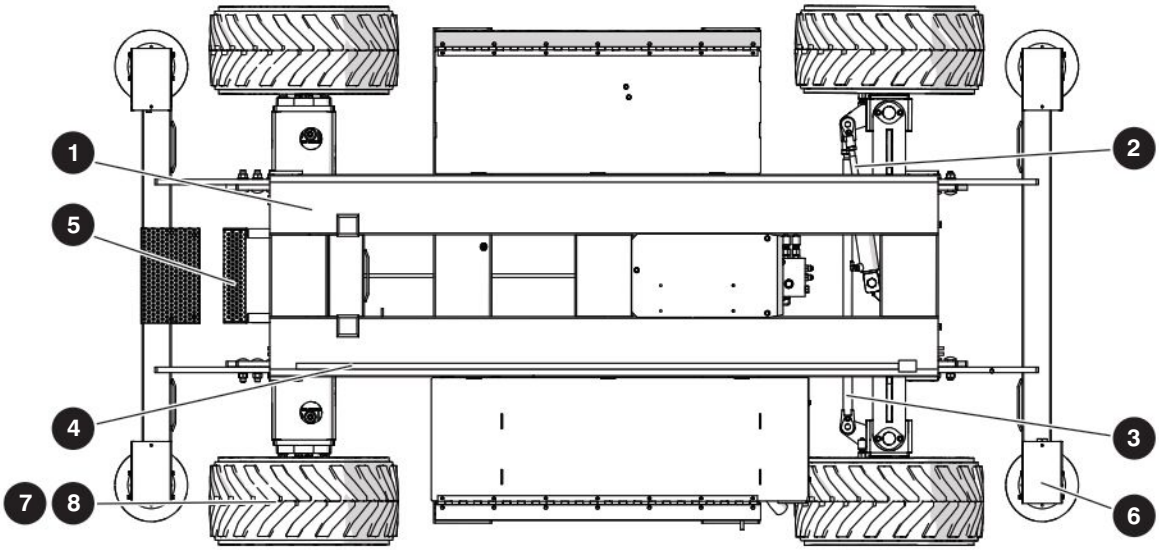
Do a check on these areas for chafed, corroded, and loose wires:

- Base to platform cables and wiring harnesses
- Battery and motor controller wiring harnesses
- Hydraulic and electrical wiring harnesses.

### 4.2-3 Hydraulic

Do a check on these areas and make sure there are no signs of leakage:

- Hydraulic tank, gauge, filter, fittings, hoses
- All hydraulic cylinders
- All hydraulic manifolds
- The ground area below the MEWP
- Outriggers (optional equipment).




## 4.2-4 Wheels/Tire assembly

Do the inspection that follows:

**7 Wheel/tire assembly**

- Do a check on all the tire treads and sidewalls for cuts, cracks, and unusual wear.
- Do a check on each wheel for damage, and cracked welds.
- Make sure the wheels are correctly aligned vertically and horizontally.
- Make sure there are no loose or missing parts.
- Make sure there is no visible damage.

### ⚠ 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.**

**8 Wheel nuts**

- Make sure the wheel nuts are installed and are tight.

## 4.2-5 Base

Do the inspection that follows, and make sure:

**1 Base weldment**

- There are no cracks in the welds or structure.
- There are no signs of deformation.

**2 Steer cylinder**

- The steer cylinder assembly is correctly installed.
- There are no loose or missing fasteners.
- There is no visible damage.

**3 Tie rod**

- There are no loose or missing parts.
- The tie rod end studs are attached and tight.
- There is no visible damage.

**4 Emergency-lowering access rod**

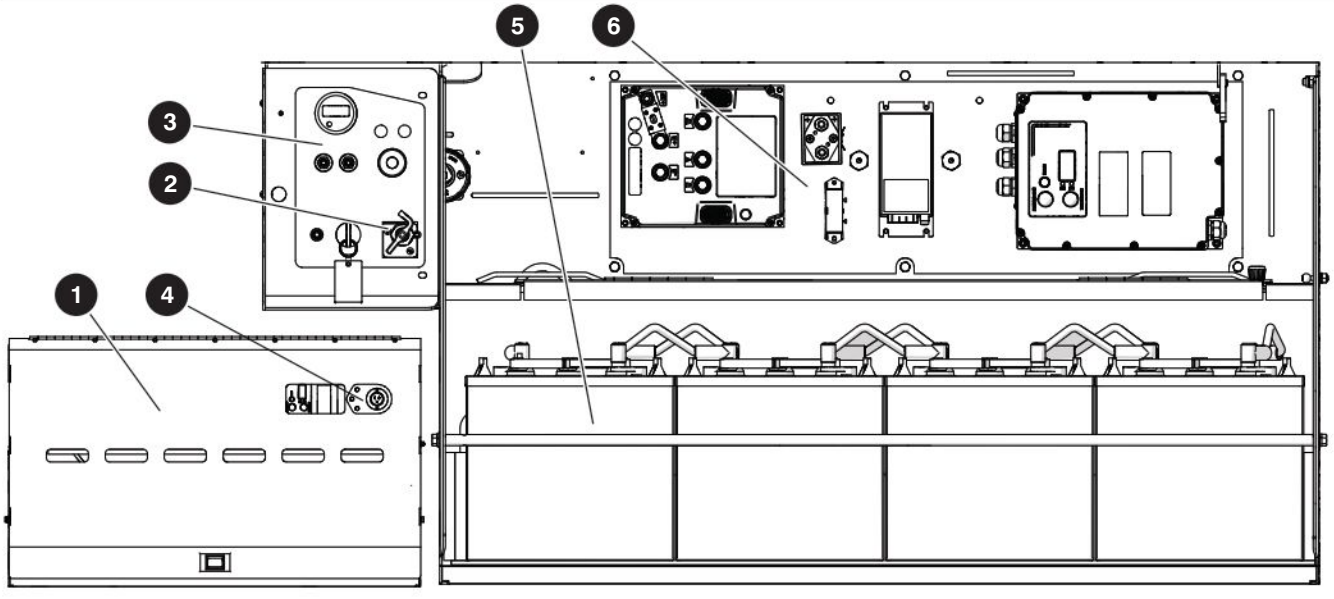
- The rod is correctly attached and has no visible damage.

**5 Ladder**

- There are no loose or missing parts.
- There is no visible damage.

**6 Outriggers (optional equipment)**

- There are no loose or missing parts.
- There is no visible damage.




## 4.2-6 Electrical compartment

Do the inspection that follows:

**1 Electrical compartment cover**

- Make sure that the access door is latched tightly and in good condition.
- Make sure that the hinges and lockable latch on the access door are latched tightly and in good condition.
- Make sure that the hinges have sufficient lubrication.

**2 Main power disconnect switch**

- Turn the **main power disconnect** switch to the off position.
- Make sure the switch rotates and stays in the on and off position.
- Make sure the cables are not loose.

**3 Base controls**

- Make sure there is no visible damage, and all the switches are in their off/neutral positions.

**4 AC power socket**

- Make sure the that the socket is free of dirt or blockages.

**5 Batteries**

### ⚠ WARNING

**Explosion hazard. Keep flames and sparks away. Do not smoke near the batteries. Batteries release explosive gas while you charge them. Charge the batteries in a well-ventilated area. If you do not obey, there is a risk of death or serious injury.**

### ⚠ WARNING

**Corrosion hazard. Do not touch battery acid. Wear the correct PPE. If the battery acid touches you, immediately flush the area with cold water and get medical aid.**

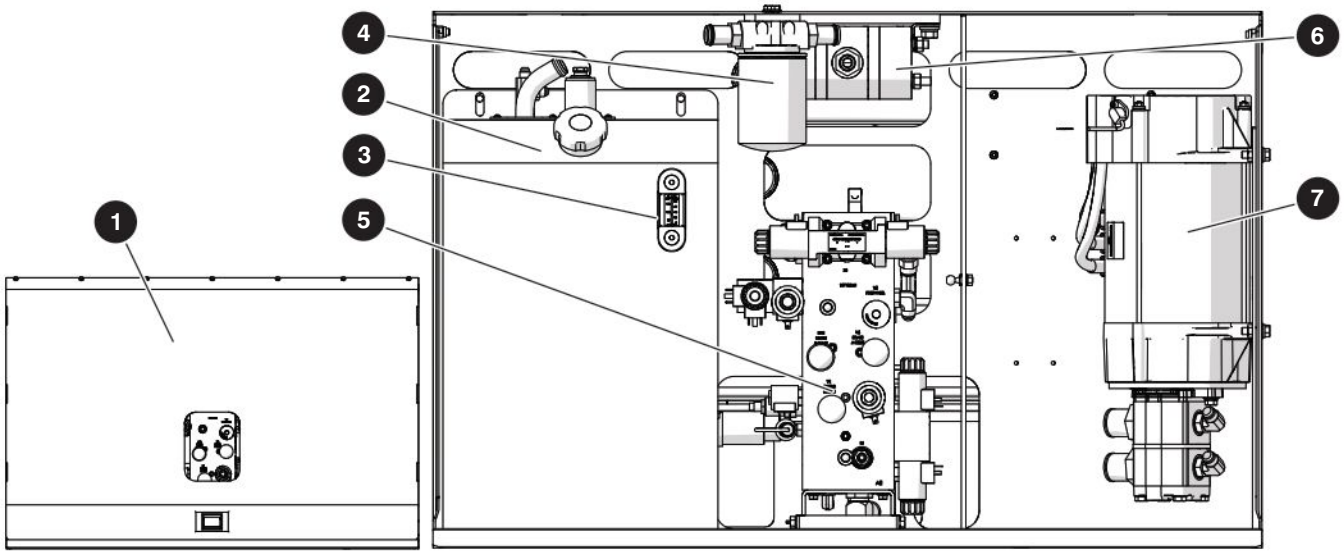
1. Do an inspection of the battery cases for damage.
2. Make sure all the battery connections are tight.
3. If applicable, check the battery fluid levels. If the plates do not have a minimum 13 mm of solution above them, add distilled or demineralized water.

### ⚠ WARNING

**Only use original or manufacturer-approved parts and components for the MEWP. If you do not obey, there is a risk of death, serious injury, or machine damage.**

**6 Motor controller panel**

- Make sure the panel is correctly installed, and in good condition.
- Make sure there is no visible damage.
- Make sure all electrical connections are tight.




## 4.2-7 Hydraulic compartment

Do the inspection that follows:

### ⚠ WARNING

**Environmental hazard. Immediately remove diesel fuel hydraulic fluid spills and leaks with rags. Discard these rags in accordance with national, state/provincial/territorial, and local regulations. Spilled fluids can damage the environment. When spilled fluids go into the water (for example, a sewage system, streams, rivers, or other surface water), they can kill aquatic life.**

**1 Hydraulic compartment cover**

- Make sure that the access door is latched tightly and in good condition.
- Make sure that the hinges and lockable latch on the access door are latched tightly and in good condition.
- Make sure that the hinges have sufficient lubrication.

**2 Hydraulic tank**

- Make sure the hydraulic filler cap closes tightly.
- Make sure there is no visible damage or hydraulic leaks.

**3 Hydraulic oil level**

- Make sure the platform is fully lowered and the outriggers are retracted.
- Do a check on the gauge on the front of the hydraulic oil tank. The hydraulic oil level must be at or a small distance above the top mark on the gauge.

**4 Hydraulic return filter**

- Make sure that the filter is correctly attached.
- Make sure there is no visible damage or hydraulic leaks.

**5 Main manifold**

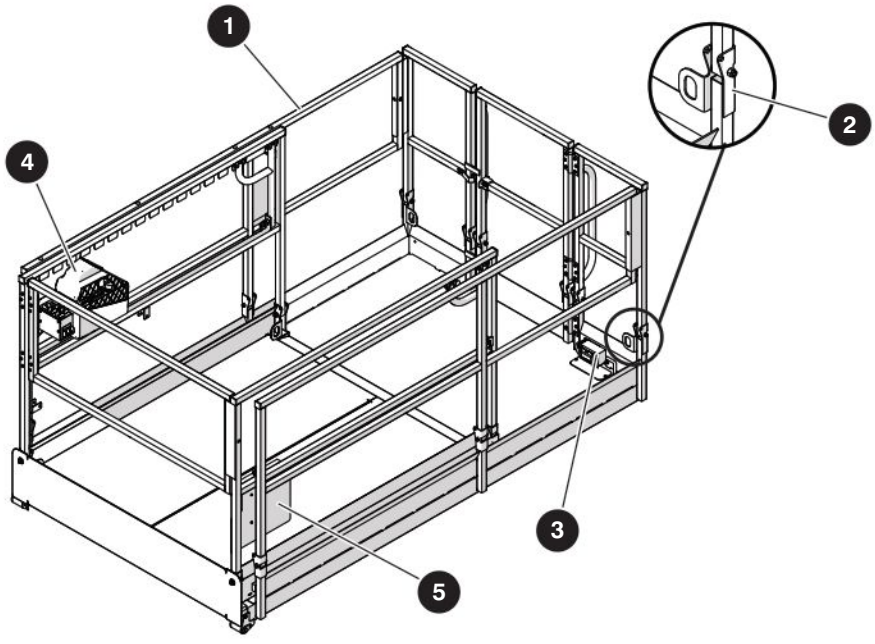
- Make sure that all fittings and hoses are correctly tightened.
- Make sure there is no indication of hydraulic leakage.
- Make sure that there are no loose wires and no missing fasteners.

**6 Gear-type flow divider**

- Make sure that there are no loose or missing parts.
- Make sure there is no visible damage or hydraulic leaks.

**7 Hydraulic pump/electric motor**

- Make sure that all fittings and hoses are tight and there is no indication of hydraulic leakage.
- Make sure that there are no loose or missing parts and there is no visible damage.
- Make sure all electrical connections are tight.




## 4.2-8 Platform assembly

Do the inspection that follows in sequence:

### ⚠ 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.**

1. Use the MEWP ladder to enter the platform.
2. Close the gate.

**1 Platform railings**

- Make sure there are no loose or missing parts, and there is no visible damage.
- Make sure that the lock-pins and fasteners are correctly locked.
- Make sure that the platform railings 1 are in the correct position and locked with lock-pins.
- Make sure that the gate is in good condition and operates correctly.

**2 Fall-protection anchorages**

- Make sure that the fall-protection anchorages are correctly installed.
- Make sure there is no visible damage.

**3 AC power socket**

- Make sure that the socket is free of dirt or blockages.

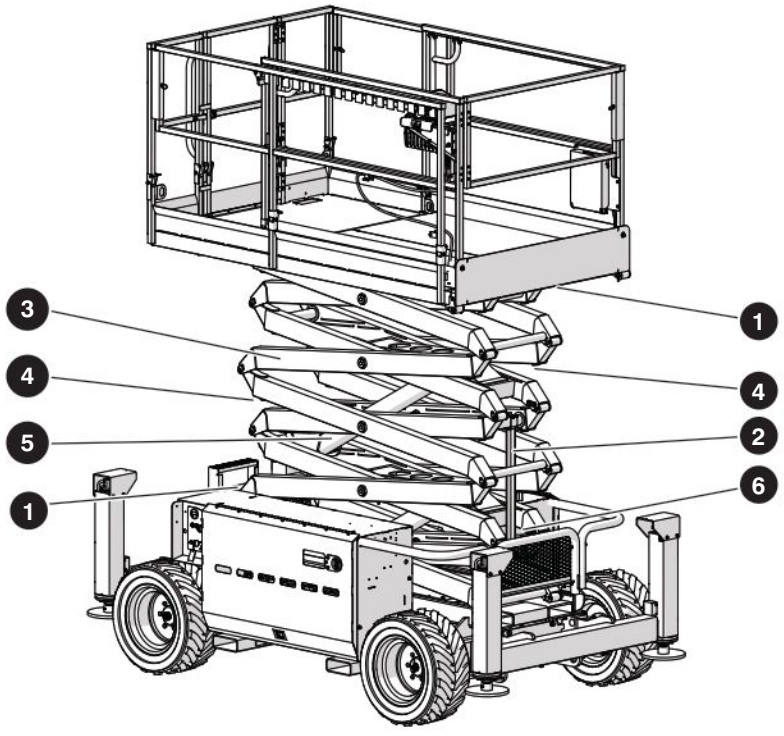
**4 Platform control console**

- Make sure that the control console is locked with lock-pins.
- Make sure that the platform control cable is correctly locked, and there is no visible damage.

**5 Manual storage box**

- Make sure that the operation manual and other important documents are in the manual storage box.
- Make sure that the documents are in good condition, and you can read them.
- Always put the manuals and other documents back in the storage box after use.

3. Use the MEWP ladder to exit the platform.




## 4.2-9 Lift mechanism

Do the inspection that follows in sequence:

**1 Sliders and rollers**

- Make sure that the sliders and rollers on the left and right side of the MEWP are correctly attached.
- Make sure there is no visible damage.
- Make sure there is no dirt or blockages in the slider or roller paths.

1. Raise the platform (refer to *section 5.2*) and deploy the maintenance support (refer to *section 6.9*).

**2 Maintenance support**

- Make sure that the maintenance support is correctly attached and show no visible damage.

**3 Scissor assembly**

- Make sure that the scissor assembly shows no signs of visible damage, deformation, or cracks in the weldments.
- Make sure all the pins and fasteners are correctly installed.
- Make sure that the cables and wires have the correct routing, and show no signs of wear and/or physical damage.

**4 Scissor bumpers**

- Make sure that the bumpers are correctly attached and have no visible damage.

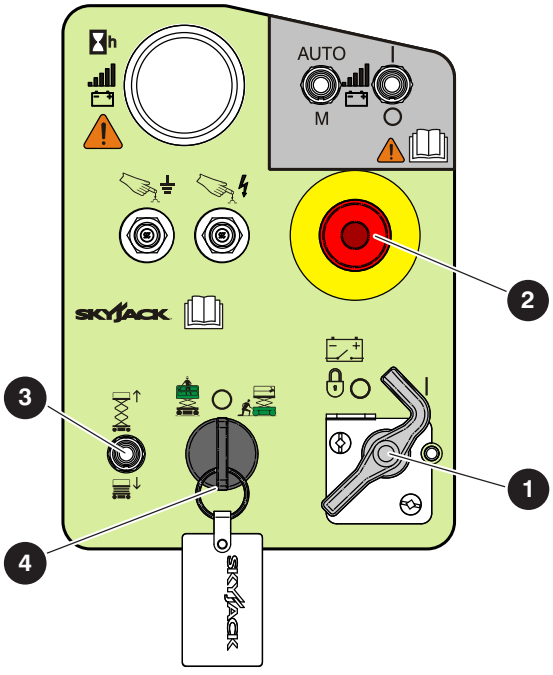
**5 Lift cylinders**

- Make sure that the lift cylinders are correctly installed.
- Make sure there are no loose or missing fasteners.
- Make sure there is no indication of leaks or damage.

**6 Angle transducer**

- Make sure that the angle transducer is correctly attached.

2. Retract the maintenance support into its storage bracket. Refer to *section 6.9*.
3. Fully lower the platform.




# 4.3 Function Tests

Do the function tests in sequence.

**⚠ WARNING**

**Do not operate a MEWP that does not function correctly. Lock and tag the MEWP, and remove it for servicing. Only a qualified service technician must repair the MEWP. If you do not obey, there is a risk of death or serious injury.**

Be sure to read *Section 5* before you do the function tests.

## 4.3-1 Do a test of the main power disconnect switch

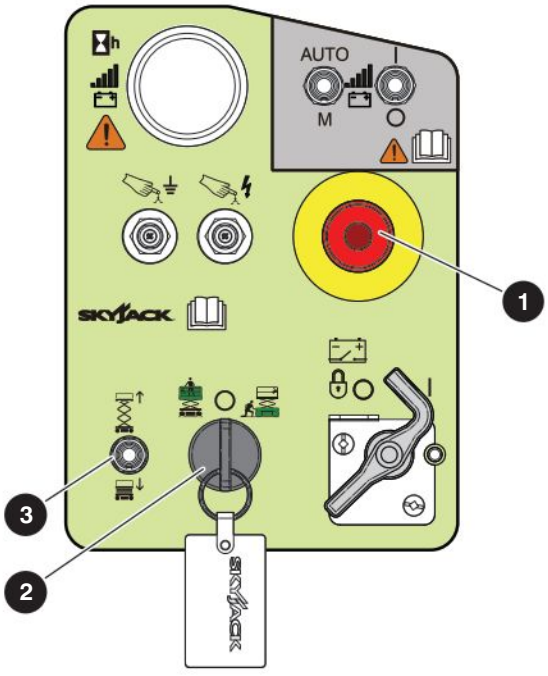
1. Turn the **main power disconnect** switch ❶ to the off position.
2. Raise or lower the platform.
3. Pull the **emergency-stop button** ❷ on the base control console.
4. Turn and hold the **platform**/**off**/**base** switch ❹ to the base position.
5. Move and hold the **lower**/**neutral**/**raise** switch ❸ in the raise position.
   - **Result:** The platform does not raise.

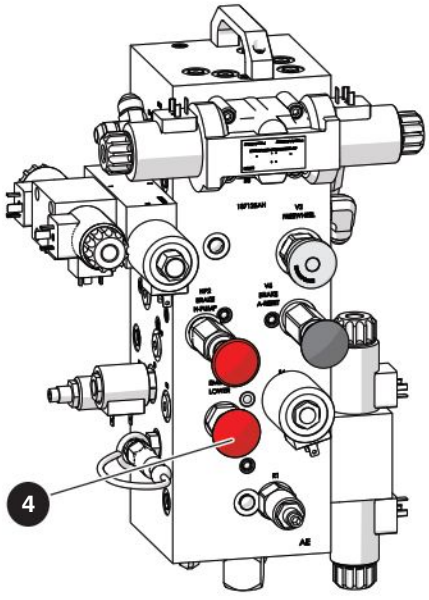
## 4.3-2 Do a load-sensing module self-check

1. Push the **emergency-stop** button ❷ on the base control console.
2. Turn the **main power disconnect** switch ❶ to the on position**.**
3. Pull the **emergency-stop** button ❷ on the base control console.
   - **Result:** The beeper makes a sound for approximately 1 second. The light on the emergency-stop button comes on. This shows that the system is in operation, and there are no faults.

## 4.3-3 Do a test of the emergency-stop button on the base

1. Turn the **main power disconnect** switch ❶ to the on position.
2. Push the **emergency-stop** button ❷ on the base control console.
3. Turn and hold the **platform**/**off**/**base** ❹ switch to the base position.
4. Move and hold the **lower**/**neutral**/**raise** ❸ switch to the raise position.
   - **Result:** The platform does not rise.




### 4.3-4 Do a test of the platform/off/base key switch

1. Pull the **emergency-stop** button ❶ on the base.

**⚠ 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. Turn the **platform/off/base key** switch ❷ to the platform position.
3. Move and hold the **lower/neutral/raise** switch ❸ in the **raise position**.
   - **Result:** You cannot raise the platform.
4. Turn and hold the **platform/off/base key** switch ❷ to the base position.
5. Move and hold the **lower/neutral/raise** switch ❸ to the raise position.
   - **Result:** The platform raises.

### 4.3-5 Do a test of the lower/neutral/raise switch

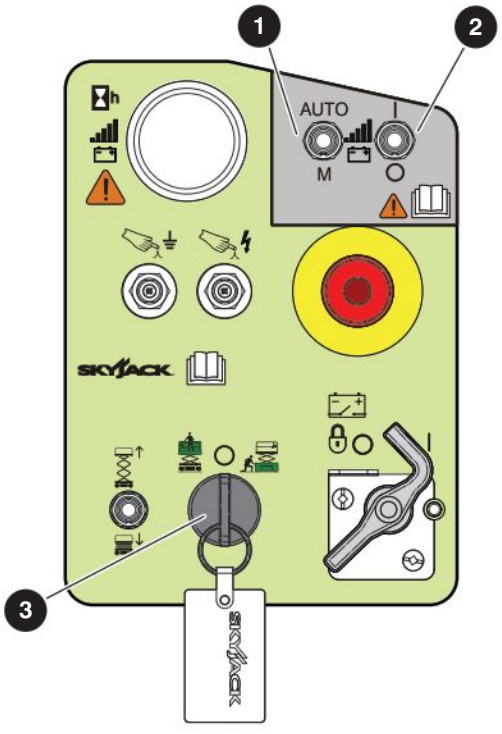
1. Turn and hold the **platform/off/base** key switch ❷ to the base position
2. Move and hold the **lower/neutral/raise** switch ❸ in the raise position.
   - **Result**: The platform raises.
3. Move and hold the **lower/neutral/raise** switch ❸ in the lower position.
   - **Result**: The platform lowers.

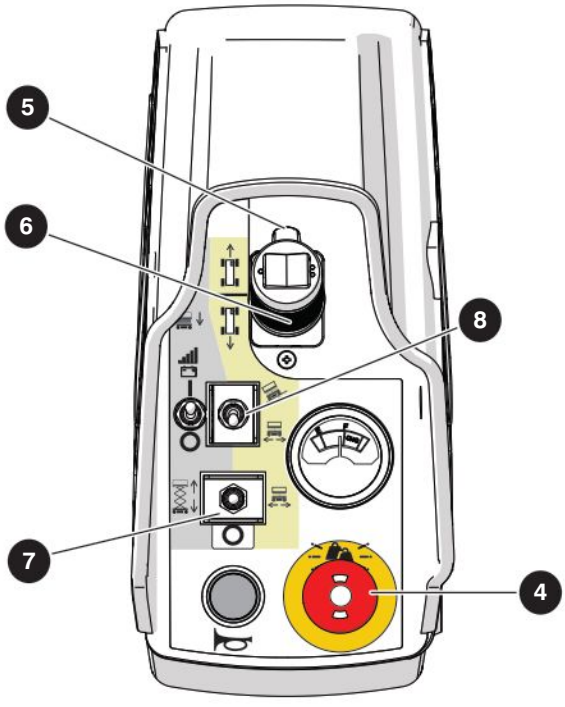
### 4.3-6 Do a test of the emergency lowering function

**⚠ 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. Raise the platform.
2. Push the **emergency-stop** button on the base control console.
3. Find the manual override knob of the holding valve at the bottom of each lift cylinder.
4. Press and turn the manual override knob counterclockwise until it stops. If it is necessary, use the access rod on the base of the MEWP.
5. Pull out and hold the emergency lowering valve ❹.
   - **Result:** The platform lowers.
6. Press and turn the manual override knob of the holding valve clockwise until it stops to restore normal operation.




## 4.3-7 Do a test of the Hybrid Power Pack (HPP) from the base (optional equipment)

1. Move the **HPP mode** switch ❶ to the manual position.
2. Move the **HPP on/off** switch ❷ to the on position.
   - **Result:** The HPP starts.
3. Move the **HPP on/off** switch ❷ to the off position.
   - **Result:** The HPP stops.

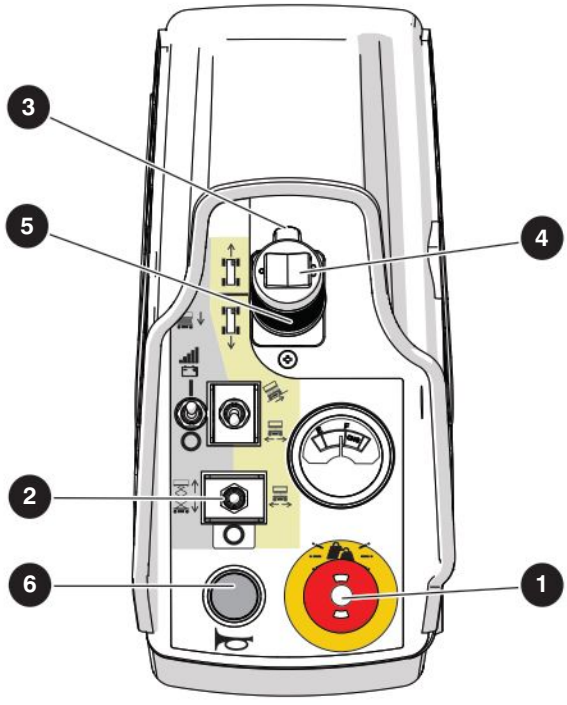
## 4.3-8 Do a test of the platform emergency stop

1. Turn the **platform/off/base key** switch ❸ on the base control console 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.**

2. Use the MEWP ladder to enter the platform.
3. Close the gate.
4. Pull the **emergency-stop** button ❹ on the platform control console.
5. Push the **emergency-stop** button ❹.
6. Move the inclined-drive/level-drive switch ❽ to the inclined-drive position.
7. Move the lift/off/drive switch ❼ to the drive position.
8. Squeeze and hold the **function-enable** switch ❺.
9. Push the **controller handle** ❻ to drive forward.
   - **Result:** The drive function does not operate.




### 4.3-9 Do a test of the function-enable switch

1. Make sure that the path you plan to travel is clear.
2. Pull the **emergency-stop** button ❶.
3. Move the **lift**/**off**/**drive** switch ❷ to the **drive position**.
4. Do not use the **function-enable** switch ❸, and try to drive the MEWP by moving the controller handle forward.
   - **Result:** The drive function does not operate.

### 4.3-10 Do a test of the steering function

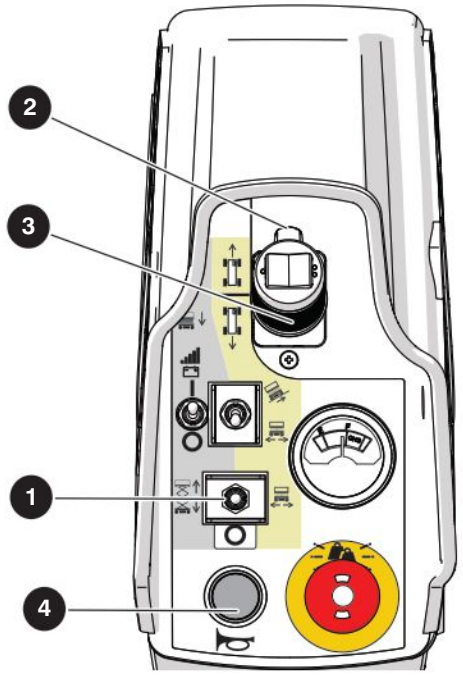
1. Move the **lift**/**off**/**drive** switch ❷ to the **drive position**.
2. Squeeze and hold the **function-enable** switch ❸.
3. Press the **steering rocker** switch ❹ on top of the **controller handle** ❺ to steer left and right.
   - **Result:** The steer wheels turn left and right.

### 4.3-11 Do a test of the drive function

1. Make sure the path of intended motion is clear.
2. Move the **lift**/**off**/**drive** switch ❷ to the **drive position**.
3. Squeeze and hold the **function-enable** switch ❸.
4. Slowly push the **controller handle** ❺ until the MEWP starts to move. Then, release the handle, so that it goes back to the center position.
   - **Result:** The MEWP moves in the forward direction and then stops.
5. Slowly pull the **controller handle** ❺ until the MEWP starts to move. Then, release the handle, so that it goes back to the center position.
   - **Result:** The MEWP moves in the opposite direction and then stops.

### 4.3-12 Do a test of the anti-tiedown function

1. Make sure the path of intended motion is clear.
2. Move the **lift**/**off**/**drive** switch ❷ to the **drive position** .
3. Squeeze and hold the **function-enable** switch ❸ for 7 seconds.
4. Slowly push the **controller handle** ❺ to move the MEWP in the forward direction.
   - **Result:** The MEWP does not move in the forward direction.




## 4.3-13 Do a test of the brakes

### IMPORTANT

**The brakes engage instantly when you release the function-enable switch. This causes the MEWP to stop immediately.**

1. Make sure the path of intended motion is clear.
2. Move the **lift**/**off**/**drive** switch ❶ to the drive position.
3. Squeeze and hold the **function-enable** switch ❷.
4. Drive the MEWP forward and then rearward. Release the **controller handle** ❸.
   - **Result:** The MEWP stops. Do not operate the MEWP if the MEWP pulls to one side while it stops. A service technician must do a check on the brake adjustments.
5. Squeeze and hold the **function-enable** switch ❷.
6. Drive the MEWP forward and then rearward. Release the **function-enable** switch ❷ only.
   - **Result:** The MEWP comes to an instant and sudden stop. Do not operate the MEWP if it does not stop immediately, or it pulls to one side while it stops. A service technician must do a check on the brake adjustments.

## 4.3-14 Do a test of the platform raise and lower functions

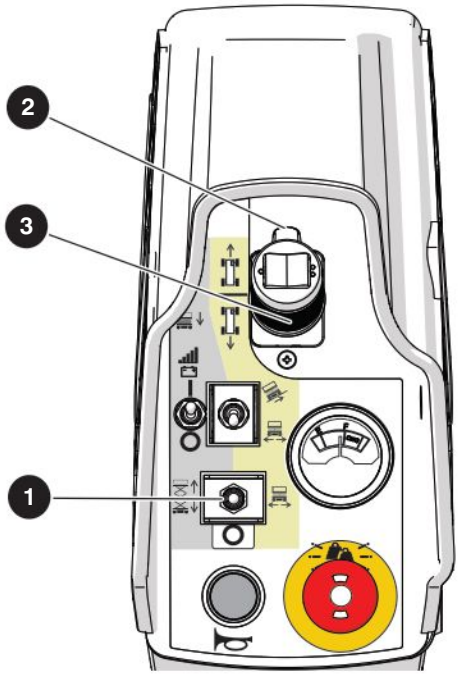
### ⚠ WARNING

**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 ❶ to the **lift position**.
2. Squeeze and hold the **function-enable** switch ❷.
3. Push the **controller handle** ❸ to raise the platform by approximately 0.5 m (20 in).
   - **Result:** The platform raises.
4. Squeeze and hold the **function-enable** switch ❷.
5. Pull the **controller handle** ❸ to fully lower the platform.
   - **Result:** The platform fully lowers.

## 4.3-15 Do a test of the horn

1. Press the horn button ❹.
   - Result: The horn makes a sound.




## 4.3-16 Do a test of the lowering warning system

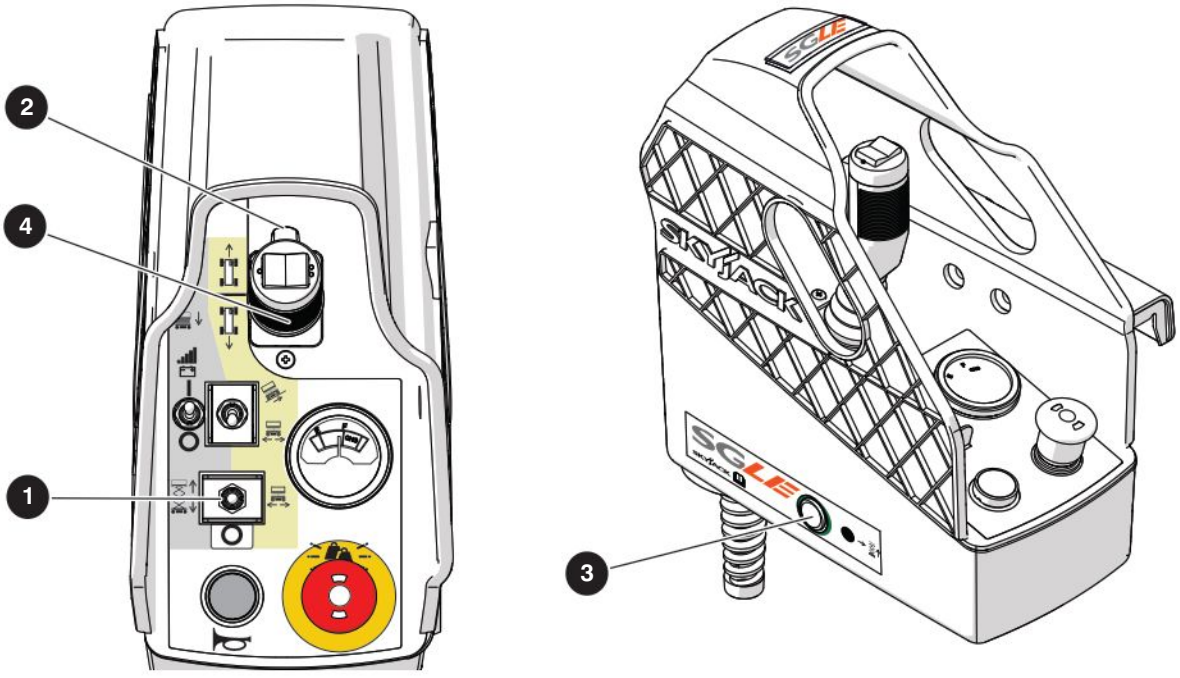
1. Squeeze and hold the **function-enable** switch ❷.
2. Push the **controller handle** ❸ to raise the platform to a height of approximately 3 to 4 m.
3. Pull the controller handle to lower the platform.
   - **Result:** The platform starts to lower but stops at a height of approximately 2.5 m. An alarm makes a sound.
4. Release the **function-enable** ❷ switch and the **controller handle** ❸.
5. Make sure that the area around the MEWP is clear.
6. Squeeze and hold the **function-enable** switch ❷.
7. Pull the **controller handle** ❸ to continue to lower the MEWP.
   - **Result:** The platform fully lowers.

## 4.3-17 Do a test of the elevated travel speed

### ⚠ 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. Make sure the path of intended motion is clear.
2. Raise the platform until it is at a height of approximately 4.3 m.
3. Drive the MEWP forward and then rearward.
   - **Result:** The MEWP drives slower than when it was in the lowered travel position.

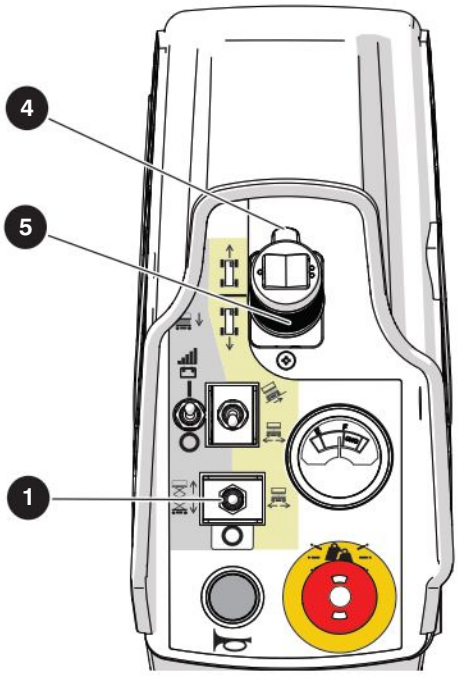


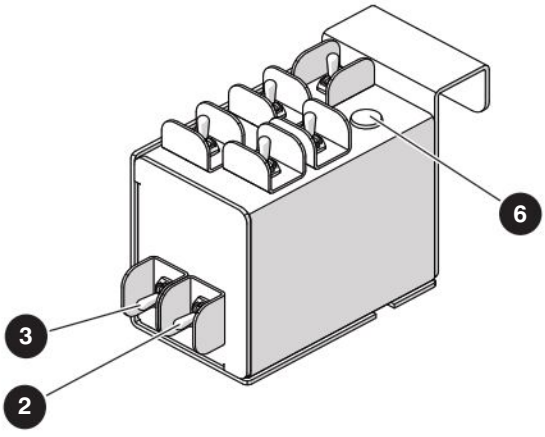

## 4.3-18 Do a test of the SGLE switch (optional equipment)

### ⚠ 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.**

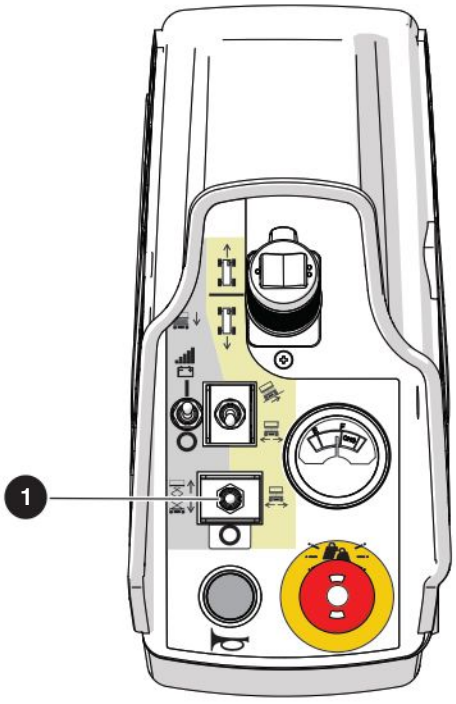
1. Move the **lift**/**off**/**drive** switch ❶ to the lift position.
2. Do not squeeze the **function-enable** switch ❷ or push the **SGLE** button ❸. Push and pull the **controller handle** ❹ to raise and lower the platform.
   - **Result:** The platform does not raise or lower.
3. Push and hold the **SGLE** button ❸ only. Do not squeeze the **function-enable** switch ❷. Push and pull the **controller handle** ❹ to raise or lower the platform.
   - **Result:** The platform does not raise or lower.
4. Push and hold the **SGLE** button ❸. Squeeze the **function-enable** switch ❷. Push and pull the **controller handle** ❹ to raise or lower the platform.
   - **Result:** The platform raises and lowers.
5. Squeeze the **function-enable** switch ❷ only. Do not push the **SGLE** button ❸. Push and pull the **controller handle** ❹ to raise or lower the platform.
   - **Result:** The platform lowers, but does not raise.

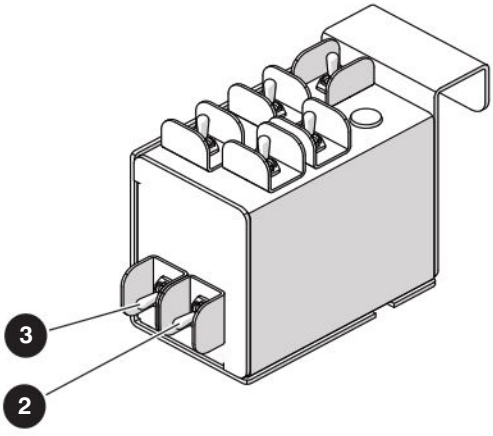



## 4.3-19 Do a test of the outrigger interlocks (optional equipment)

1. Move the **lift**/**off**/**drive** switch ❶ to the lift position.
2. Move and hold the **auto-level enable** switch ❷ in the enable position.
3. Move and hold the **auto leve**l switch ❸ in the extend position to extend all four outriggers 10 cm (4 in).
4. Squeeze the **function-enable** switch ❹ and push the **controller handle** ❺ to raise the platform
   - **Result:** The platform does not raise.
5. Move and hold the **auto-level enable** switch ❷ in the enable position.
6. Move and hold the **auto level** switch ❸ in the retract position to fully retract all four outriggers.
   - **Result:** All four outriggers fully retract.
7. Move and hold the **auto-level enable** switch ❷ in the enable position.
8. Move and hold the **auto leve**l switch ❸ in the extend position to extend all four outriggers. When the first outrigger hits the ground (observed as the initial movement), stop lowering the outriggers, and observe all four outriggers.
   - **Result:** All four legs have moved more than 5 cm (2 in) and all the pads are near the ground.
9. Resume the deployment of the outriggers until the platform has leveled itself.
   - **Result:** All four outriggers extend until they hold the MEWP weight and put the MEWP in a level position. The outriggers stop automatically when the platform is level. The outrigger light ❻ goes on.




## 4.3-20 Do a test of the auto-level (optional equipment)

Refer to *section 5.11* for the auto-level operation.

### NOTE

Make sure that you:

- Park the MEWP on a firm, level surface. Remove all obstructions.
- Fully lower the platform.
- Fully retract the outriggers.

### ⚠ WARNING

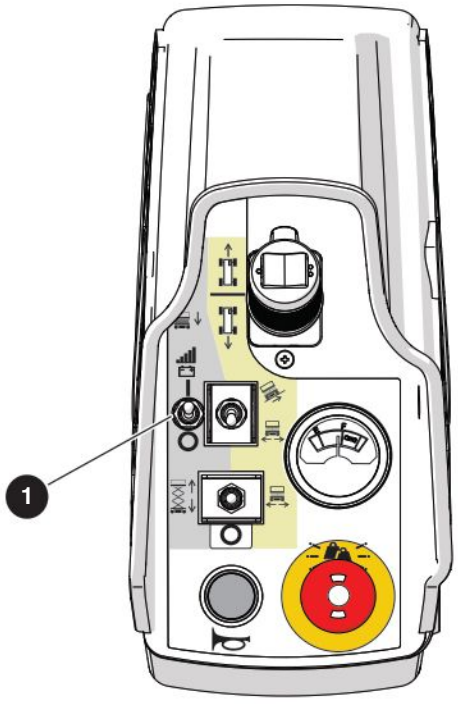
**If the outrigger interlocks fail to operate correctly, lock and tag the MEWP. Remove the MEWP for servicing. Only a qualified service technician must repair the MEWP. If you do not obey, there is a risk of death or serious injury.**

1. Move the **lift**/**off**/**drive** switch ❶ to the lift position.
2. Move and hold the **auto-level enable** switch ❷ in the enable position.
3. Move and hold the **auto leve**l switch ❸ in the extend position to extend the outriggers until all four outriggers are on the ground and the platform is level.

### ⚠ 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. Raise the platform by approximately 0.3 m.
   - **Result:** The platform raises.
5. Fully lower the platform.
   - **Result:** The platform fully lowers.
6. Move and hold the **auto-level enable** switch ❷ in the enable position.
7. Move and hold the **auto leve**l switch ❸ in the retract position to fully retract all four outriggers.
   - **Result:** All four outriggers fully retract.




## 4.3-21 Do a test of the Hybrid Power Pack (HPP) from the platform (optional equipment)

1. Move the HPP on/off switch ❶ to the on position.
   - **Result:** The HPP starts.
2. Move the HPP on/off switch ❶ to the off position.
   - **Result:** The HPP turns off.

# 4.4 Operator's Checklist (page 1 of 2)

SKYJACK

## SJ6832 RTE
## Daily Operator's Checklist

Serial Number: _____
Model: _____
Hourmeter Reading: _____
Date: _____
Time: _____

Operator's Name (Printed): _____

Operator's Signature: _____

Each item shall be inspected using the appropriate section of the Skyjack operating manual. As each item is inspected, check or complete the appropriate box.

**P** PASS **N/A** NOT APPLICABLE

**Add a comment if the item does not pass inspection.**

| | P | N/A | Comment (if item does not pass inspection) |
|---|---|---|---|
| **Visual and Daily Maintenance Inspections** | | | |
| **Labels - Do an inspection for damaged, or missing labels** | | | |
| **Electrical - Do an inspection for loose, damaged, or missing components** | | | |
| **Hydraulic - Do an inspection for loose, damaged, or missing components** | | | |
| **Wheels/Tire assembly - Do an inspection for loose, damaged, or missing components** | | | |
| Wheel/tire assembly | | | |
| Whee nuts | | | |
| **Base - Do an inspection for loose, damaged, or missing components** | | | |
| Base weldment | | | |
| Steer cylinder | | | |
| Tie rod | | | |
| Emergency-lowering access rod | | | |
| Ladder | | | |
| Outriggers (optional equipment) | | | |
| **Electrical compartment - Do an inspection for loose, damaged, or missing components** | | | |
| Electrical compartment cover | | | |
| Main power disconnect switch | | | |
| Base control | | | |
| AC power socket | | | |
| Batteries | | | |
| Motor controller panel | | | |
| **Hydraulic compartment - Do an inspection for leaks and loose, damaged, or missing components** | | | |
| Hydraulic compartment cover | | | |
| Hydraulic tank | | | |
| Hydraulic oil level | | | |
| Hydraulic return filter | | | |
| Main manifold | | | |
| Gear-type flow divider | | | |
| Hydraulic pump/electric motor | | | |
| **Platform assembly - Do an inspection for loose, damaged, or missing components** | | | |
| Platform railings | | | |
| Fall protection anchorages | | | |
| AC power socket | | | |
| Platform control console | | | |
| Manual storage box | | | |

**NOTE:** *Make a copy of this page or go to www.skyjack.com for a copy that you can print.*

# Operator's Checklist (page 2 of 2)

| | P | N/A | Comment (if item does not pass inspection) |
|---|---|---|---|
| **Visual and Daily Maintenance Inspections** | | | |
| **Lift mechanism - Do an inspection for loose, damaged, or missing components** | | | |
| Sliders and rollers | | | |
| Maintenance support | | | |
| Scissor assembly | | | |
| Scissor bumpers | | | |
| Lift cylinders | | | |
| Angle transducer | | | |
| **Optional equipment and attachments - Do an inspection for leaks and loose, damaged, or missing components.** | | | |
| **Function Tests** | | | |
| **Do a test of the main power disconnect switch** | | | |
| **Do a test of the load-sensing module self-check** | | | |
| **Do a test of the emergency-stop button on the base** | | | |
| **Do a test of the platform/off/base key switch** | | | |
| **Do a test of the lower/neutral/raise switch** | | | |
| **Do a test of the emergency-lowering function** | | | |
| **Do a test of the Hybrid Power Pack (HPP) from the base (optional equipment)** | | | |
| **Do a test of the platform emergency-stop** | | | |
| **Do a test of the function-enable switch** | | | |
| **Do a test of the steering function** | | | |
| **Do a test of the drive function** | | | |
| **Do a test of the anti-tiedown function** | | | |
| **Do a test of the brakes** | | | |
| **Do a test of the platform raise and lower functions** | | | |
| **Do a test of the horn** | | | |
| **Do a test of the lowering warning system** | | | |
| **Do a test of the elevated travel speed** | | | |
| **Do a test of the SGLE switch (optional equipment)** | | | |
| **Do a test of the outrigger interlocks (optional equipment)** | | | |
| **Do a test of the auto-level (optional equipment)** | | | |
| **Do a test of the Hybrid Power Pack (HPP) from the platform (optional equipment)** | | | |

*1950AA*

**NOTE:** *Make a copy of this page or go to www.skyjack.com for a copy that you can print.*

# Notes

# Section 5 – Operation

**⚠ WARNING**

**Do not operate this MEWP without authorization and training. If you do not obey, there is a risk of death or serious injury.**

Do these tasks in sequence before MEWP operation:

1. Visual and daily maintenance inspections. Refer to *section 4.2*.
2. Function tests. Refer to *section 4.3*.
3. Worksite inspection. Refer to *section 2.4*.
4. If a risk assessment finds that a rescue plan is necessary, make sure you have a system of communication. The communication must be between the personnel on the platform and the selected support personnel. The selected support personnel must know how to use the base controls to lower the platform.

**⚠ WARNING**

**Do not operate the MEWP if:**

- **It does not operate correctly**
- **It is damaged or shows worn or missing parts**
- **The safety devices are tampered with or disabled**
- **It is locked and tagged for servicing or repair**
- **It was modified without permission from Skyjack and the MEWP owner.**

**If you do not obey, there is a risk of death or serious injury.**

**⚠ 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.**

## 5.1 Energize the base control console

1. Turn the **main power disconnect** switch to the on position.
2. Pull the **emergency-stop** button on the base control console.

**⚠ 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.**

3. Turn the **platform**/**off**/**base key** switch to the base position.

## 5.2 Raise or lower the platform with the base 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. Energize the base control console (refer to *section 5.1*).
2. Turn and hold the **platform**/**off**/**base key** switch to the base position.
3. 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 **platform**/**off**/**base 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.

## 5.4 Raise or lower the platform with the platform control console

1. Energize the platform control console (refer to *section 5.3)*

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

**IMPORTANT**

**A lowering-warning system stops the platform movement before it is fully lowered, and an alarm makes a sound. Do check to make sure there are no personnel near the scissor assembly. Then, continue operation.**

**NOTE**

*The lower function is not proportional.*

5. 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. If you do not obey, there is a risk of death or serious injury.**

## 5.5 Drive forward or rearward

**⚠ WARNING**

**Make sure there are no personnel or obstructions in the path of travel. Acquaint yourself with the blind spots of the MEWP. If you do not obey, there is a risk of death or severe injury.**

1. Energize the platform control console (refer to *section 5.3*).
2. Move the **lift**/**off**/**drive** switch to the drive position.
3. Squeeze and hold the **function-enable** switch.
4. Move the **controller handle** forward or rearward to drive at and in the necessary speed and direction.
5. 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.**

## 5.6 Steer

1. Energize the platform control console (refer to *section 5.3*).
2. Move the **lift**/**off**/**drive** switch to the drive position.
3. Squeeze and hold the **function-enable** switch.
4. Push the **steering rocker** switch on top of the **controller handle** in one of the two directions to steer.

**NOTE**

*The steer function is not proportional. Drive and steer functions can be active at the same time.*

## 5.7 Select the level-drive or inclined-drive mode

- Select the level-drive mode when you drive on a level surface.
  1. To use the level drive mode, move the **inclined-drive**/**level-drive** switch to the level-drive (high speed/low torque) position.

### ⚠ WARNING

**Do not drive the MEWP in the elevated position on a slope. Fully retract the MEWP before you operate it on a slope. If you do not obey, there is a risk of death or severe injury.**

- Select the inclined-drive mode in these situations:
  - When you drive up or down slopes
  - When you drive on rough ground
  - When you drive the MEWP on to or remove it from a transport vehicle.
  1. To use the inclined-drive, move the **inclined-drive**/**level-drive** switch to the inclined-drive (low speed/high torque) position.

### ⚠ 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.**

## 5.8 Lowering warning system

### ⚠ 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.**

To fully lower the platform from the platform control console when the platform is raised higher than 3 m:

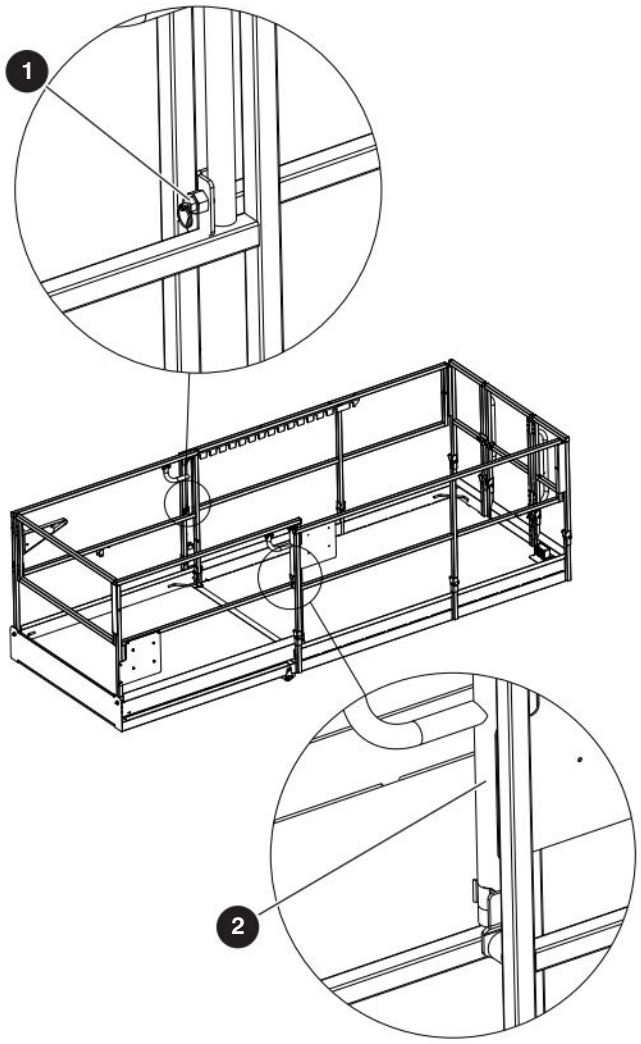
1. Move the **lift**/**off**/**drive** switch to the **lift position**:
2. Squeeze and hold the **function-enable** switch.
3. Pull the **controller handle** to lower the platform. The platform starts to lower but stops at a height of 2.5 m. An alarm makes a sound.
4. Release the function-enable switch and the controller handle.
5. Make sure that the area around the MEWP is clear.
6. Squeeze and hold the **function-enable** switch
7. Pull the **controller handle** to continue to lower the MEWP.

## 5.9 Extend/retract the extension platform

### ⚠ 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.**

1. Disengage the **lock-pin** ❶.
2. Deploy the **extension handles** ❷.
3. Push or pull the **extension handles** to extend or retract the extension platform.
4. Retract the **extension handles** to lock the extension platform in position.




## 5.10 Raise or 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, auto-level, or emergency-lowering.*

7. Release the **controller handle** until it goes back to the center position to stop. Release the **function-enable** switch.

# 5.11 Use the auto-level (optional equipment)

## ⚠ 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.**

## ⚠ 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.**

### Level the MEWP

1. Fully lower the platform. Refer to *section 5.2* and *section 5.4*.
2. Move and hold the **auto-level enable** switch in the **enable** position.
3. Move and hold the **auto-level** switch in the **extend** position to extend all four outriggers. The level indicator light shows the auto-level outrigger condition.

| Auto-level light | Outrigger condition |
|---|---|
| Off | The outriggers are fully retracted. The outriggers are not active. |
| Flashing slowly | Indicates the outrigger extension or retraction. |
| Flashing quickly | The outriggers are extended and the MEWP is not level, or there is an outrigger or auto-level function error. |
| On | The outriggers are extended and the MEWP is level. The light is on while the auto-level function is active only. |

4. Make sure each outrigger pad is in firm contact over its entire surface area, with a suitable supporting surface.

### 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.**

### Retract the outriggers

1. Fully lower the platform.
2. Move and hold the **auto-level enable** switch in the **enable** position.
3. Move and hold the **auto-level** switch in the **retract** position to retract all four outriggers.

### 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.**

## 5.12 Use the Hybrid Power Pack (HPP) (optional equipment)

### ⚠ DANGER

**DO NOT operate the HPP in enclosed areas without adequate ventilation for exhaust gas and fumes. Failure to follow this warning could cause death or serious injury.**

### ⚠ WARNING

**Environmental hazard. Immediately remove diesel fuel hydraulic fluid spills and leaks with rags. Discard these rags in accordance with national, state/provincial/territorial, and local regulations. Spilled fluids can damage the environment. When spilled fluids go into the water (for example, a sewage system, streams, rivers, or other surface water), they can kill aquatic life.**

### ⚠ CAUTION

**Make sure the HPP is off before you connect the MEWP to an AC power supply. If you do not obey, there is a risk of machine damage.**

1. Turn the **main power disconnect** switch to the on position.
2. Pull the **emergency-stop** button on the base control console.
3. Pull the **emergency-stop** button on the platform control console.
4. Move the **HPP mode** switch to the automatic position **(AUTO)** or to the manual position **(M)**. Refer to *section 3.6-2* for information about the modes.
5. Move the **HPP on**/**off** switch on the base control console to the on position.
6. Move the **HPP on**/**off** switch on the platform control console to the on position.
   - **Result:** In manual mode, the HPP starts. In automatic mode, the HPP automatically starts when the battery falls below 50% charge.
7. To stop the HPP in manual mode, move the **HPP on**/**off** switch to the off position. In automatic mode, the HPP stops automatically when the battery reaches 90% charge.

### IMPORTANT

**In order to stop the HPP, both emergency stop buttons must be pulled out.**

### NOTE

*For additional starting options and maintenance information, refer to the HPP manufacturer's manual.*

## 5.13 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 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 exit the platform.
5. Turn the **platform**/**off**/**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.

# Notes

# Section 6 – Additional Procedures

## 6.1 Use the emergency-lowering function

With the emergency-lowering system, you can lower the platform if there is a failure of the primary power.

**⚠ WARNING**

**Crush hazard. Keep clear of the lift mechanism when you use the emergency lowering function. If you do not obey, there is a risk of death or serious injury.**

1. Remove obstructions before you lower the platform.
2. If necessary, retract the extension platform or move the MEWP to clear an obstruction.

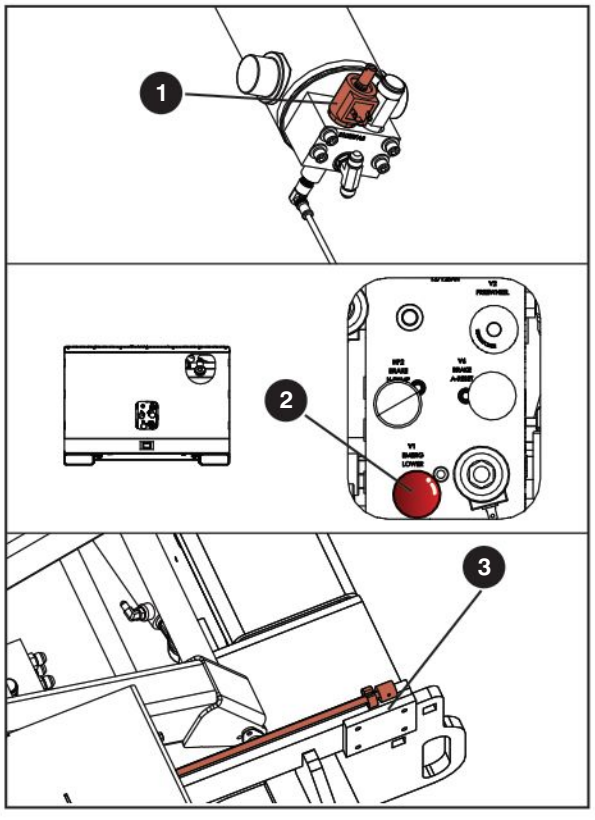



***Figure 03*** *Emergency-lowering system*

3. Turn the **main power disconnect** to the off position.
4. Push the **emergency-stop** button on the base control console.
5. Find the override knob of the holding valve ❶ at the bottom of each lift cylinder.
6. Press and turn the knob of each holding valve counterclockwise until it stops. If it is necessary, use the emergency-lowering access rod ❸ on the base of the MEWP.

**⚠ WARNING**

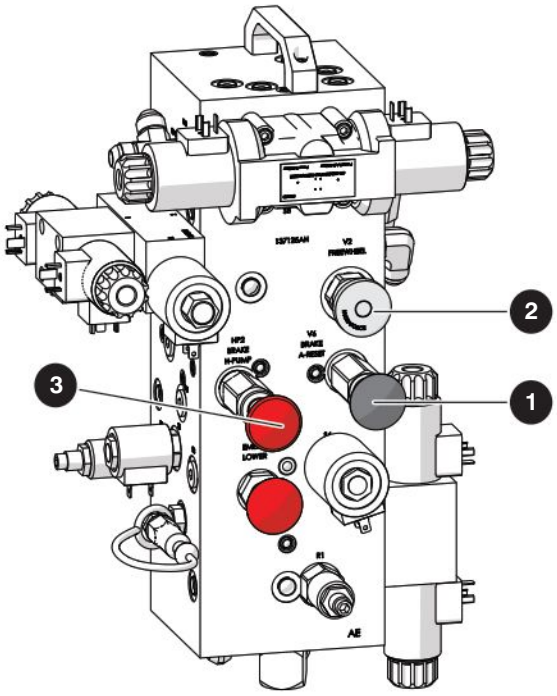
**Look for overhead obstructions or other possible hazards around the MEWP when you raise the platform. Do not lower the platform unless the area below is clear of personnel and obstructions. If you do not obey, there is a risk of death or serious injury.**

7. Find the emergency lowering valve ❷ on the hydraulic compartment.
8. Pull and hold the emergency-lowering valve to lower the platform.
9. Press and turn the override knobs of each holding valve clockwise until it stops to restore normal operation.

## 6.2 Release the brakes manually

**⚠ WARNING**

**Do not manually disengage the brakes if the MEWP is on a slope. If you do not obey, there is a risk of death or serious injury.**




1. Make sure that the MEWP is on firm, level ground. Use wheel chocks or blocks at the front and rear of the wheels to prevent MEWP movement.
2. Turn the **main power disconnect** switch to the off position.
3. Turn the freewheeling valve ❷ counterclockwise to the fully open position.
4. Push the plunger of the brake auto-reset valve ❶ on the main manifold in the hydraulic compartment.
5. Continuously push and release the **knob** ❸ of the hand pump until you feel firm resistance. The brake is released.

## 6.3 Winch and tow the MEWP

**⚠ WARNING**

**Tip-over hazard. Make sure that platform is fully lowered before you push, winch or tow. Sudden movement can cause the MEWP to become unstable. If you do not obey, there is a risk of death or serious injury.**

**⚠ WARNING**

**Tip-over hazard. In emergency situations, where the MEWP functions are unavailable, and an obstruction prevents the platform lower function, carefully move the MEWP. Move the MEWP sufficiently far away to clear the obstruction. Do not move at a speed faster than 50 mm/sec (2 in/sec). If you do not obey, there is a risk of death, serious injury, and/or MEWP damage.**

**⚠ WARNING**

**When you push, winch or tow, do not move the MEWP at a speed faster than 3.2 km/h (2.0 mph). If you do not obey, there is a risk of death or serious injury.**

**⚠ WARNING**

**Do not push, winch, or tow the MEWP onto a slope. Only brake the tow vehicle slowly. Do not pull the MEWP down a slope to a winch. Make sure that there are no personnel in the path you plan to travel. If you do not obey, there is a risk of death, serious injury, and/or MEWP damage.**

### ⚠ WARNING

**Do not manually disengage the brakes if the MEWP is on a slope. If you do not obey, there is a risk of death or serious injury.**

### ⚠ WARNING

**Tip-over hazard. Disengage the brakes manually before you push, winch, or tow the MEWP. If you do not obey, there is a risk of death or serious injury.**

1. Release the brakes manually. Refer *to section 6.2.*
2. Remove the wheel chocks or blocks.
3. Push, winch, or tow the MEWP to the necessary location.
4. Put the MEWP on a firm, level surface.
5. Use wheel chocks or blocks at the front and rear of the wheels to prevent MEWP movement.
6. Pull out the **plunger** of the brake auto-reset valve to re-engage the brakes.
7. Turn the freewheeling valve clockwise until it is closed tightly.

### ⚠ WARNING

**Engage the brakes immediately after the MEWP is at the necessary location. If you do not obey, there is a risk of death or serious injury.**

## 6.4 Charge the batteries

1. Supply sufficient airflow for the batteries and the charger.

### IMPORTANT

**Do not let materials or fabric be on the charger. It is necessary for the charger to have access to cool air for it to operate correctly. Clean the charger cooling fins if they are clogged with debris to make sure the charger functions at its best.**

### ⚠ WARNING

**Explosion hazard. Be careful when you use fuels, solvents, or other flammable materials near the charger or batteries. A spark from the charger of batteries can cause a fire or explosion. If you do not obey, there is a risk of death or serious injury.**

2. Connect the power supply cable to a correctly grounded socket between 100 to 230 VAC, and 50 to 60 Hz. The charger automatically senses and adjusts to the voltage range of the AC input.

### NOTE

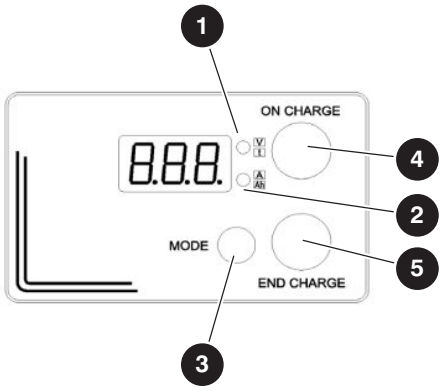
*The charging time is affected by numerous factors including battery amp-hour capacity, depth of discharge, battery temperature, and battery condition (new, old or defective). Batteries larger than 240 AH can be recharged, but will take longer.*

### ⚠ WARNING

**Explosion hazard. Do not disconnect the DC output wires near the batteries when the charger is ON. This can cause an arc, which can then cause the batteries to explode. You must disconnect the AC power supply cable from its socket, and then the charger DC connections. If you do not obey, there is a risk of death or serious injury.**

### ⚠ WARNING

**Electrocution hazard. Do not touch parts of the charger output wires that are not insulated, the battery connector, or the battery terminals. If you do not obey, there is a risk of death or serious injury.**




**1 Top two-tone LED**

**2 Lower two-tone LED**

**3 Mode button**

**4 Large red LED**

**5 Large green LED**

| LED light | Charger parameter description |
|---|---|
| **Small Two-Tone LEDs (1) (2)** | |
| **Top red** | Battery voltage |
| **Lower red** | Electrical current (provided by the charger) |
| **Top green** | Time (in hours remaining to the end of the charge) |
| **Lower green** | AH (supplied) |
| **Large LEDs (4) (5)** | |
| **Red** | Constant or max current phase (IUIa) |
| **Red flash** | Voltage control phase (IUIa) |
| **Red and green flash** | Overcharging phase (IUIa) |
| **Red and green alternating** | Wait phase (for equalization) (IUIa) |
| **Green** | End charge |
| **Green flash** | Equalization pulse and floating |
| **Green and red flash together** | Connection with CanConsole or S/S HW-SW |

## NOTE

*Push the MODE button 3 to pause the parameter sequence. To continue the sequence, push the MODE button again.*

# 6.5 Move the MEWP for transport

When you drive a MEWP onto or remove it from a transport vehicle, on a public road, give protection to the person(s) involved. Protection can include:

- Warning cones
- Road signs and signaling devices
- Applicable personal protective equipment, such as reflective clothing
- Flag personnel to warn other vehicles of the MEWP and other related vehicles
- Other applicable control measures.

Obey all the national, state/provincial/territorial, and local safety rules when you move the MEWP for transport. Only qualified personnel with authorization must drive the MEWP on to or remove it from a transport vehicle.

Be sure the vehicle capacity and load equipment, hoists, chains, straps, and other related items are sufficient to withstand the maximum MEWP weight.

Park the transport vehicle on a level surface. Use wheel chocks or blocks to prevent unintended vehicle movement during this operation.

## 6.5-1 Lift the MEWP with a forklift

When you lift the MEWP, you must:

- Turn the **main power disconnect** switch to the off position.
- Close and tightly latch the electrical and hydraulic compartment door.
- Retract the extension platform. Correctly insert the lock-pin(s).
- Attach the platform control console to the mounting bracket, or remove the **platform control console**
- Remove all personnel, tools, and materials from the platform.
- Lift the MEWP with the forklift forks in the forklift lift locations shown ❶.

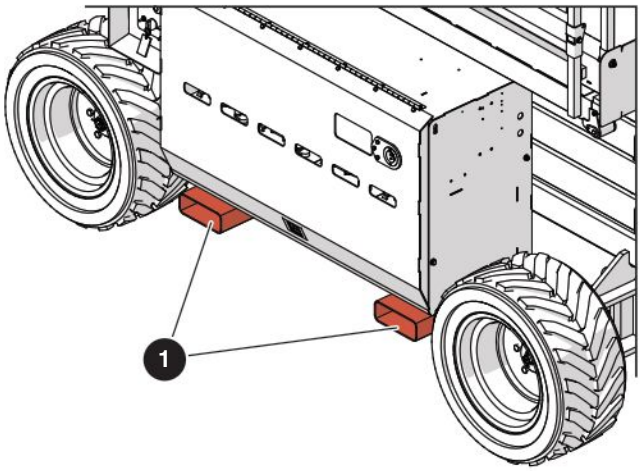



***Figure 04*** *Forklift lift locations*

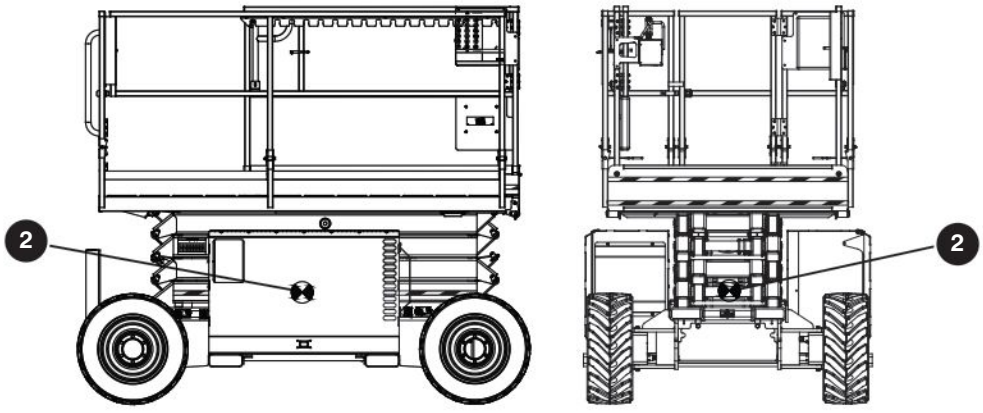



***Figure 05*** *MEWP Center of Gravity*

## 6.5-2 Hoist the MEWP

### ⚠ WARNING

**Only qualified riggers must operate the machinery during a lift.**

When you hoist the MEWP, you must:

- Turn the **main power disconnect** switch to the off position.
- Close and tightly latch the electrical and hydraulic compartment door.
- Retract the extension platform. Correctly insert the lock-pin(s).
- Attach the platform control console to the mounting bracket, or remove the **platform control console**
- Remove all personnel, tools, and materials from the platform.
- Attach the rigging to all **four lift points** ❸. Refer to *Figure 07*.

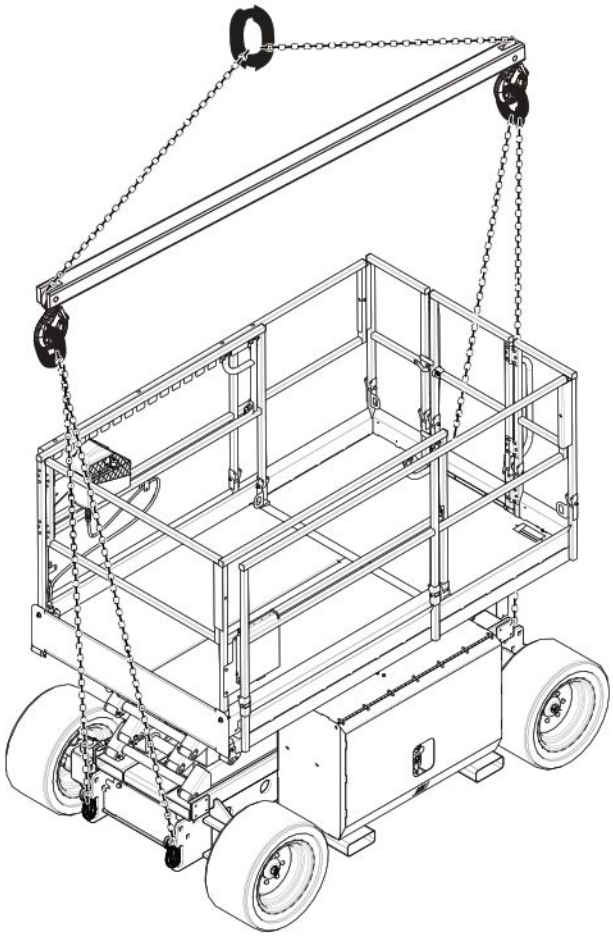


***Figure 06*** *Appropriate method to hoist*

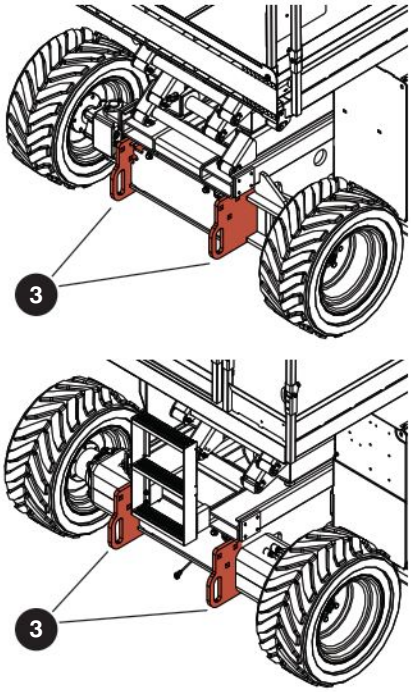



***Figure 07*** *Tie-down/lift points*

### NOTE

*For the weight of the MEWP, refer to section 7.3. Horizontally, the center of gravity ❷ is approximately in the middle of the MEWP, front to back and side to side. Refer to Figure 05. Vertically, the center of gravity is approximately a small distance above the chassis.*

### 6.5-3 Drive and tie-down the MEWP

Before you drive the MEWP:

- The ramp or dock capacity must be able to hold the maximum MEWP weight.
- Use side guards (if available) to prevent a fall from the ramp.
- The incline of the ramp must not exceed the MEWP gradeability. Refer to *section 7.3*.
- Do a test of the MEWP brakes to make sure they operate correctly.
- Move the **inclined-drive**/**level-drive** switch to the inclined-drive (low speed/high torque) position.

**⚠ WARNING**

**When you transport the MEWP, it must be attached to a truck or trailer deck. Use the available tie-down points ❸ to attach the MEWP. Refer to *Figure 07*. If you do not obey, there is a risk of death or serious injury.**

- Tie-down the MEWP to the transport vehicle using the **tie-down points ❸**. Refer to *Figure 07*.

## 6.6 Use the platform control console from the ground

**⚠ WARNING**

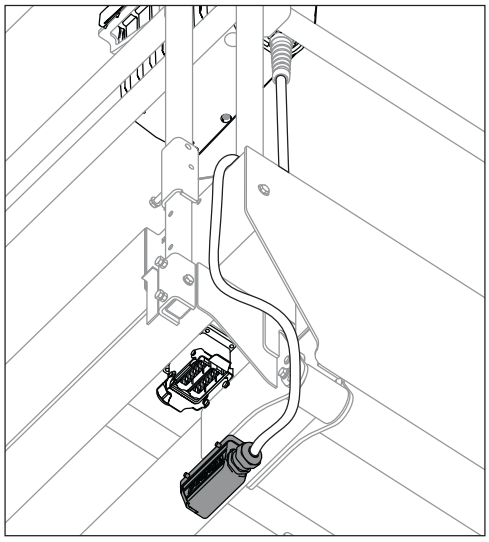
**The correct operator location is with the platform control console attached to the right-front side of the platform. Only operate the MEWP from the ground in these conditions:**

- **To do maintenance**
- **When you cannot do work safely from the position of the operator on the platform because of an obstruction**
- **To fold the guardrails.**

**If you do not obey, there is a risk of death or serious injury.**

### 6.6-1 Disconnect and remove the platform control console

1. Disconnect the **platform control console cable** from the **electrical plug** under the platform.

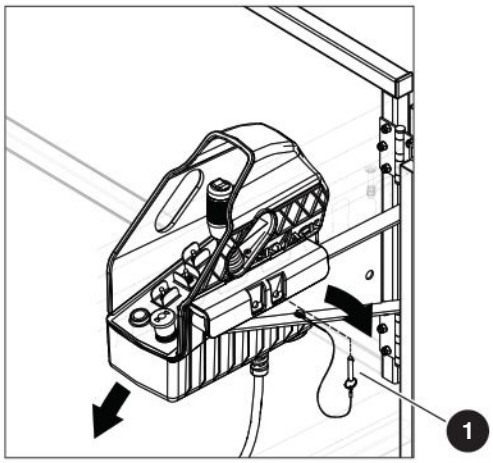


**⚠ WARNING**

**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.**

2. Use the MEWP ladder to enter the platform.

3. Remove the **control console mounting bracket lock-pin** ❶ from the mounting bracket. Remove the **platform control console** from the mounting bracket.
4. Remove the **control cable lock-pin** from the railing clamp. Remove the **control cable** from the clamp.




5. Use the MEWP ladder to exit the platform.

## 6.6-2 Operate the MEWP from the ground

### ⚠ WARNING

**Make sure the operator and the control console point in the same direction as the front of the MEWP.**

**Do not drive the MEWP toward yourself.**

**Keep away from crush hazards. Stay clear of the MEWP and out of the direction of travel.**

**When you use a ramp to drive the MEWP on to or remove it from a transport vehicle, make sure all personnel, which includes the operator:**

- **Stay away from the direction of a possible tip-over of the MEWP.**
- **Stay out of the path of movement of the MEWP down the ramp.**

**If you do not obey these instructions, there is a risk of death or serious injury.**

### ⚠ CAUTION

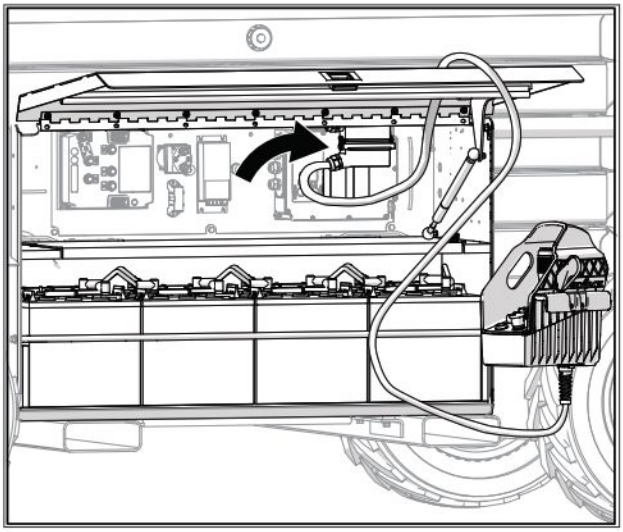
**Make sure the control console cable does not become entangled with the MEWP or objects that surround the MEWP. If you do not obey, there is a risk of MEWP damage.**

1. Before you operate the MEWP, do a full worksite inspection to identify possible hazards in your work area. Refer to *section 2.4*.
2. Cordon-off the pathway you plan to travel.

### ⚠ WARNING

**Crush hazard. Make sure that there are no personnel in the path you will travel. Tell personnel around the path before you move the MEWP. Use a second person to monitor the movement of the MEWP. Make sure that person stays at a safe distance. If you do not obey, there is a risk of death or serious injury.**

3. Put the **electrical connector** of the **platform control console cable** through the cutout in the electrical compartment door.
4. Connect the **platform control console cable** to the **electrical connector** in the electrical compartment.
5. Close the electrical compartment door.



6. Stay behind or to the side of the MEWP.
7. Move the **inclined-drive**/**level-drive** switch to the inclined-drive position.
8. Use as low a speed as practical to drive the MEWP forward to the necessary location.

9. Push the **emergency-stop** button when the MEWP is at the necessary location.
10. Turn the **main power disconnect** switch to the off position.
11. Open the electrical compartment door and disconnect the **electrical connector** of the **platform control console**.
12. Close the electrical compartment door.

**⚠ 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.**

13. Use the MEWP ladder to enter the platform.

**⚠ CAUTION**

**Make sure each lock-pin is correctly installed with the detent ball of each lock-pin fully through the hole.**

14. Install the **platform control console** onto the mounting bracket. Install the **lock-pin** in the mounting bracket.
15. Install the **control cable** into the railing clamp and install the **lock-pin**.

**⚠ 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.**

16. Use the MEWP ladder to exit the platform.
17. Connect the **platform control console cable** to the **electrical connector** below the platform.

# 6.7 Move the MEWP through a doorway

**⚠ WARNING**

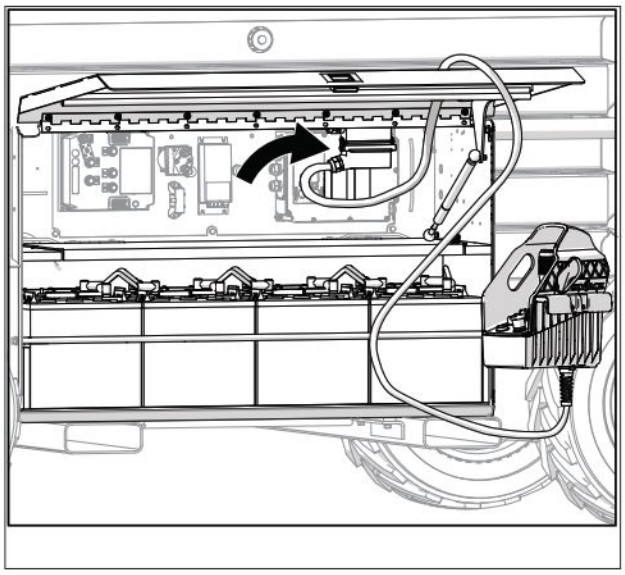
**Only do this procedure on level ground. If you do not obey, there is a risk of death or serious injury.**

1. Make sure the height/width of the doorway is sufficient to let the MEWP drive through.
2. Before you operate the MEWP, do a full inspection of the site (refer to *section 2.4*). Identify hazards in your work area.
3. Make sure the platform is fully lowered.
4. Disconnect and remove the platform control console.
5. Fold the guardrails if it is necessary. Refer to *section 6.8* for the procedure on how to fold the guardrails.

**⚠ WARNING**

**Crush hazard. Make sure that there are no personnel in the path you will travel. Tell personnel around the path before you move the MEWP. Use a second person to monitor the movement of the MEWP. Make sure that person stays at a safe distance. If you do not obey, there is a risk of death or serious injury.**

6. Connect the **platform control console cable** to the **electrical plug** in the electrical compartment of the MEWP. Refer to *section 6.6.*



7. Stay behind the MEWP.
8. Make sure the **platform control console** points in the same direction as the front of the MEWP.
9. Turn the **main power disconnect** switch to the on position.
10. Pull the **emergency-stop** button on the base control console.
11. Turn the **off**/**platform**/**base key** switch to the platform position.
12. Pull the **emergency-stop** button on the platform control console.
13. Move the **inclined drive**/**level drive** switch to the inclined drive (low speed/high torque) position.
14. Move the **lift**/**off**/**drive** switch to the drive position.
15. Use as low a speed as is practical to drive the MEWP forward through the doorway.
16. Push the **emergency-stop** button when the MEWP is safely through the doorway.
17. Turn the **main power disconnect** switch to the off position.
18. Disconnect the **platform control console** from the electrical compartment.

## ⚠ 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.**

19. Use the MEWP ladder to enter the platform.

## ⚠ WARNING

**Before you operate this MEWP, make sure that the guardrail system does not have loose or missing lock-pins. The guardrail system must be in the vertical position. Lock all pins correctly. An incorrectly locked guardrail can cause a fall, which can result in death or serious injury.**

20. Return the guardrails to the vertical position if folded. Refer to *section 6.8* for the procedure on how to fold the guardrails.

## ⚠ WARNING

**Fall hazard. Make sure each lock-pin is correctly installed with the detent ball of each lock-pin fully through the hole. Failure to avoid this hazard could result in death or serious injury.**

21. Put the **platform control console** back onto the mounting bracket. Install the **lock-pin** in the mounting bracket.
22. Put the **control cable** into the railing clamp and install the **lock-pin**.

## ⚠ 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.**

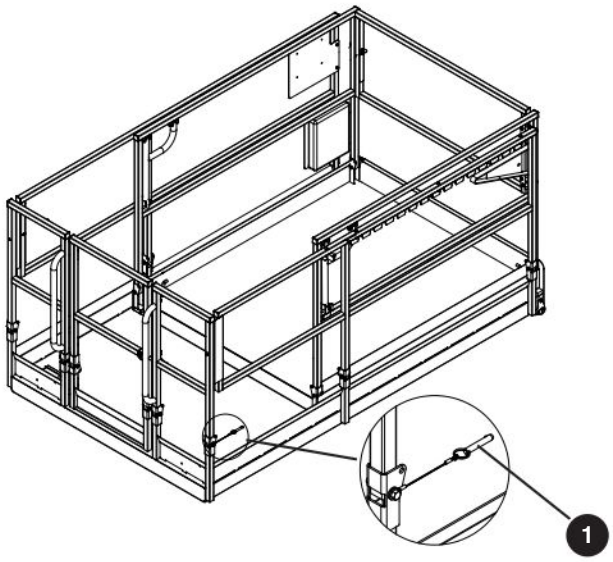
23. Use the MEWP ladder to exit the platform.
24. Connect the **platform control console cable** to the **electrical connector** below the platform.

# 6.8 Fold the guardrails

When folded down, the guardrail system decreases the total height of the retracted MEWP for transport.

**⚠ WARNING**

**Fall hazard. To prevent a fall, keep away from the sides of the platform when you fold or unfold the guardrails. If you do not obey, there is a risk of death or serious injury.**




❶ **Guardrail locking pin with lanyard**–This pin is used to lock the guardrail in position.

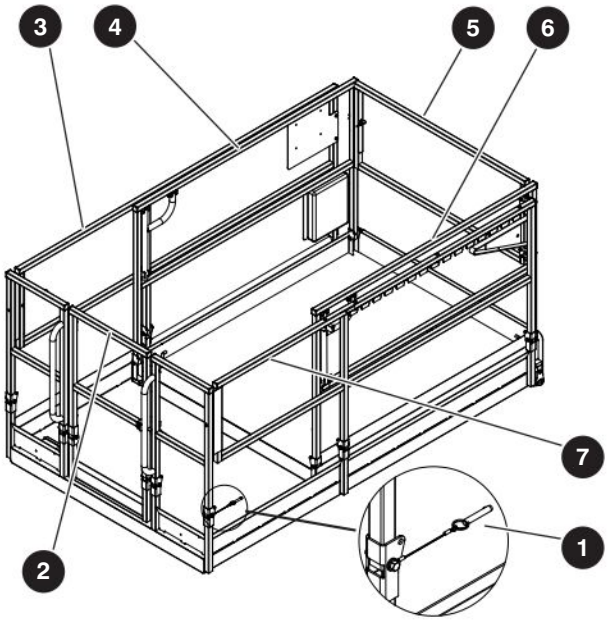
**⚠ WARNING**

**Fall hazard. Fully lower the platform before you fold or unfold the guardrails. If you do not obey, there is a risk of death or serious injury.**

**⚠ WARNING**

**Before you operate this MEWP, make sure that the guardrail system does not have loose or missing lock-pins. The guardrail system must be in the vertical position. Lock all pins correctly. An incorrectly locked guardrail can cause a fall, which can result in death or serious injury.**

## 6.8-1 Fold the guardrail system down



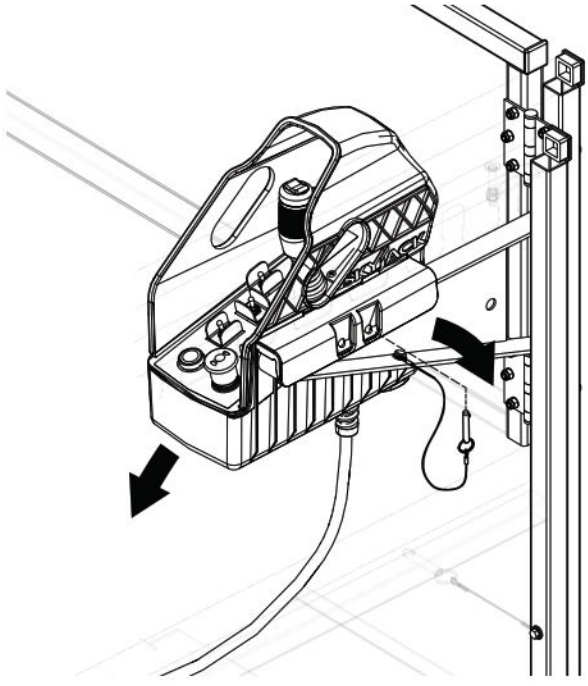

❶ **Lock-pin**
❷ **Entrance**
❸ **Left side**
❹ **Left extension**
❺ **Front**
❻ **Right extension**
❼ **Right side**

1. Make sure that the MEWP is on firm level ground.
2. Make sure you fully lower the platform.
3. Press the **emergency-stop** button.
4. Turn the **main power disconnect** switch to the off position.

**⚠ WARNING**

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

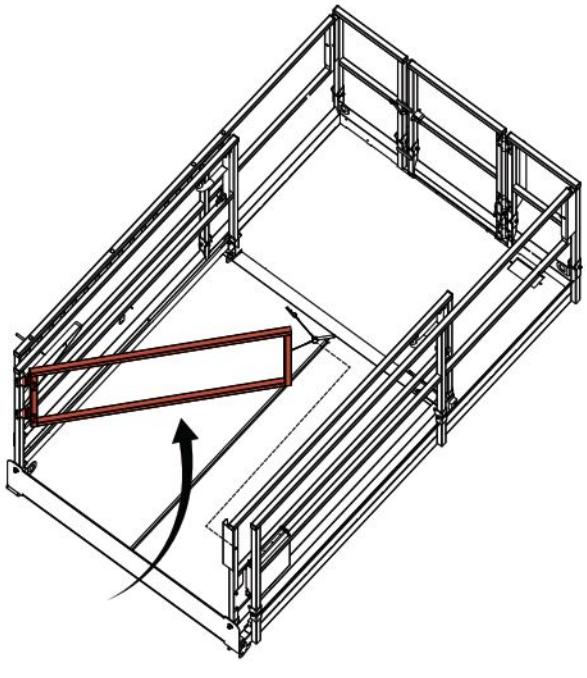
5. Use the MEWP ladder to enter the platform.
6. Close the gate.
7. Make sure you fully retract the extension platform.
8. Remove the **lock-pins** from the control console mounting bracket. Put the platform **control console** and **outrigger/generator control console** down on the platform floor.



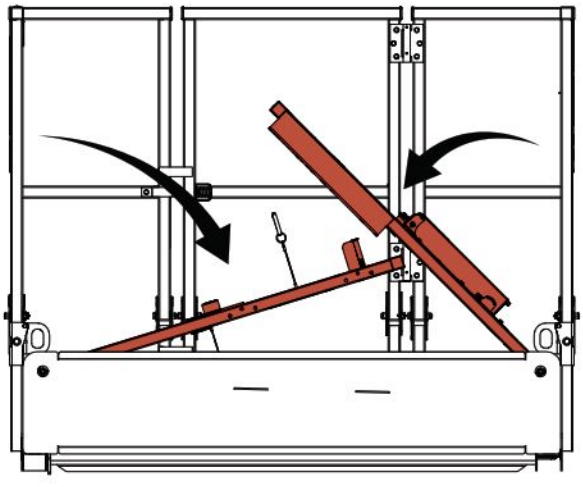
## ⚠ WARNING

**Fall hazard. To prevent a fall, keep away from the sides of the platform when you fold or unfold the guardrails. If you do not obey, there is a risk of death or serious injury.**

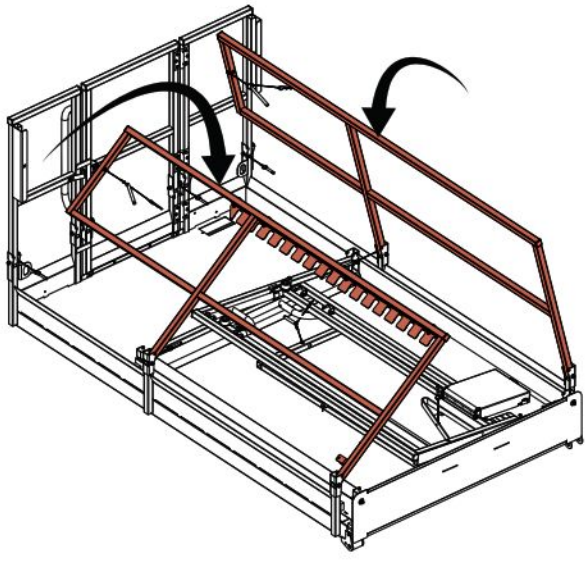
9. Remove the locking pins that connects the front guardrail to the left extension guardrail.
10. Move the front guardrail to the right extension.



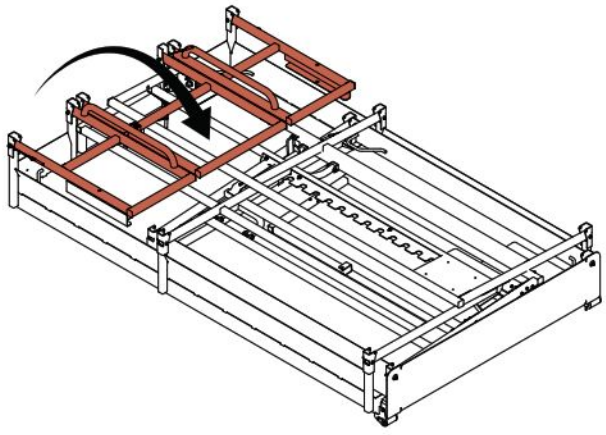
11. Use a tie-wrap to attach the front guardrail to the right side guardrail.
12. Remove the locking pins on the right-side extension guardrail.
13. Fold the right-side extension guardrail down with the front guardrail.
14. Remove the locking pins on the left-side extension guardrail.
15. Fold down the left-side extension guardrail.



16. Remove the locking pins on the right side guardrail.
17. Fold down the right side guardrail.
18. Remove all the locking pins on the left side guardrail.
19. Fold down the left side guardrail.



20. With the gate closed, remove all the locking pins on the entrance side guardrail.
21. Fold down the entrance side guardrail.



22. Use the MEWP ladder to exit the platform.

**⚠ WARNING**

**Fall hazard. Fully lower the platform before you fold or unfold the guardrails. If you do not obey, there is a risk of death or serious injury.**

## 6.8-2 Unfold the guardrail system up

1. Make sure that the MEWP is on level ground.
2. Make sure that the extension platform is fully retracted.
3. Push the **emergency-stop** button on the base control console.
4. Turn the Main power disconnect switch to the off position.

**⚠ WARNING**

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

5. Use the MEWP ladder to enter the platform.
6. Close the gate.

**⚠ WARNING**

**Fall hazard. To prevent a fall, keep away from the sides of the platform when you fold or unfold the guardrails. If you do not obey, there is a risk of death or serious injury.**

**⚠ WARNING**

**Fall hazard. Install each lock-pin correctly with the detent ball of each lock-pin fully through the guardrail. The guardrail system must be in the vertical position. An incorrectly locked guardrail can cause a fall, which can cause death or serious injury.**

7. Unfold the entrance side guardrail.
8. Put in all locking pins to lock the entrance side guardrail in position.
9. Unfold the left side guardrail.
10. Put in all locking pins to lock the left side guardrail in position.
11. Unfold the right side guardrail.
12. Put in all locking pins to lock the right side guardrail in position.
13. Unfold the left-side extension guardrail.
14. Put in the locking pin to lock the left-side extension guardrail in position.
15. Unfold the right-side extension guardrail and the front guardrail.

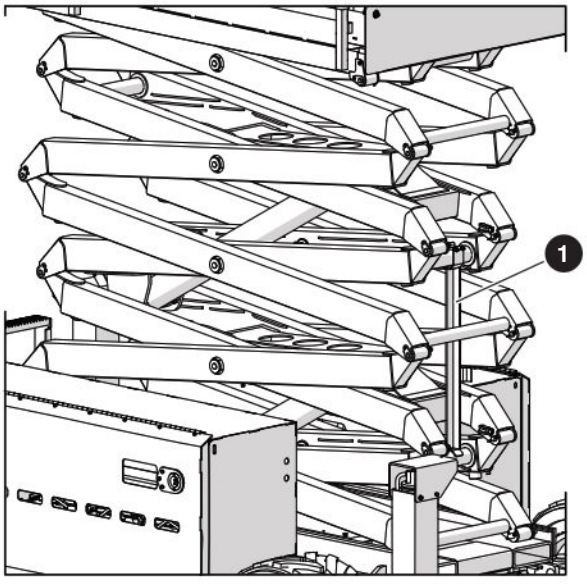
16. Put the locking pin in the right extension to lock the right-side extension guardrail and the front guardrail in position.
17. Swing the front side guardrail forward.
18. Put in the locking pin to lock the front side guardrail in position.
19. Attach the platform control console and outrigger controls (optional equipment) to the front right of the platform. Lock them in position.

**⚠ WARNING**

**Before you operate this MEWP, make sure that the guardrail system does not have loose or missing lock-pins. The guardrail system must be in the vertical position. Lock all pins correctly. An incorrectly locked guardrail can cause a fall, which can result in death or serious injury.**

## 6.9 Use the maintenance support

**The maintenance support** ❶ is a mechanism on the scissor assembly. When it is in the correct position, it holds the scissor assembly and an empty platform.




**⚠ WARNING**

**Use the maintenance supports when you do an inspection and/or maintenance or repairs in the confines of the lift mechanism. If you do not use the support, there is a risk of death or serious injury.**

**⚠ WARNING**

**Crush hazard. Do not put parts of your body through the scissor assembly unless the maintenance support is correctly deployed. If you do not obey, there is a risk of death or serious injury.**

### 6.9-1 Deploy the maintenance support

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.
3. Deploy the maintenance support from the storage bracket into a vertical position.
4. Make sure that the scissors assembly area has no obstructions.
5. Lower the platform until the bottom end of the maintenance support touches the crossbar and the platform stops.
6. Turn the main power disconnect switch to the off position.

### 6.9-2 Store the maintenance support

**⚠ 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. Turn the main power disconnect switch to the on position.
2. Raise the platform until there is adequate clearance to retract the maintenance support.
3. Retract the maintenance support into the storage bracket.
4. Fully lower the platform.

## 6.10 Refuel the Hybrid Power Pack (HPP) with Diesel

**⚠ WARNING**

**Explosion hazard. Only refuel the MEWP in a well-ventilated area, away from open flame and other sources of ignition, approved by your employer and/or supervisor. Always have an approved fire extinguisher that you can easily access. If you do not obey, there is a risk of death or serious injury.**

**IMPORTANT**

**Before you use the MEWP, make sure that there is sufficient fuel for the estimated task.**

1. Put all the power connections in the off position.
2. Let the HPP cool for a minimum of 3 minutes.
3. Remove the fuel cap.

**⚠ WARNING**

**Environmental hazard. Immediately remove diesel fuel and hydraulic fluid spills and leaks with rags. Discard these rags in accordance with national, state/provincial/territorial, and local regulations. Spilled fluids can damage the environment. When spilled fluids go into the water (for example, a sewage system, streams, rivers, or other surface water), they can kill aquatic life.**

4. Carefully fill the fuel tank with ultra low sulfur diesel fuel. Make sure that there are no spills.
5. Put the fuel cap back on and make sure it closes tightly.
6. Do an inspection of the fuel system for leaks. Clean away spilled fuel.
7. Discard the wipes or rags in an approved

# Notes

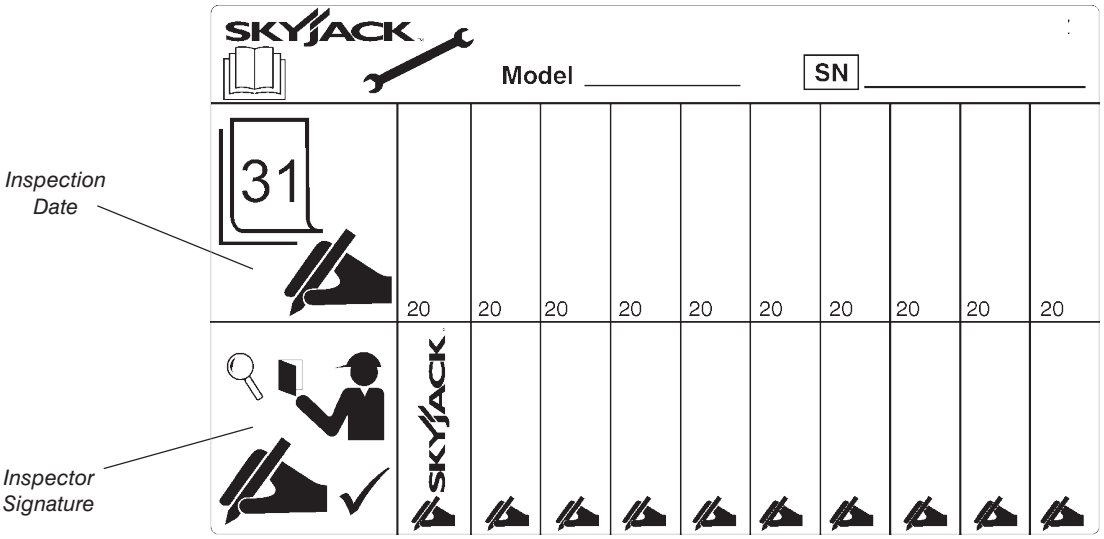
# Section 7 – Technical Specifications

## 7.1 Standard and optional equipment

| Models | SJ6832 RTE |
|---|---|
| **Standard Equipment** | |
| Platform controls | * |
| Base controls | * |
| 4WD | * |
| Manual extension platform | * |
| Load sensing system | * |
| AC socket on platform | * |
| Tilt sensing system with alarm and drive/lift cutout | * |
| Scissor guards | * |
| Disc brakes | * |
| Manual brake release | * |
| Fall protection anchorage(s) | * |
| Hinged railing system | * |
| Operator horn | * |
| Spring loaded full height gate at rear | * |
| Forklift pockets, tie down/lifting lugs | * |
| Foam filled low profile grip lug tires | * |
| Hourmeter | * |
| Color coded and numbered wiring system | * |
| Hydraulic oil level indicators | * |
| **Optional Equipment** | |
| Flashing light | * |
| AGM batteries | * |
| All motion audible alarm | * |
| Heavy duty pipe rack | * |
| Non marking grip lug foam-filled tires | * |
| Bio oil | * |
| Work lights | * |
| Tool caddy | * |
| Outriggers | * |
| Hybrid Power Pack (HPP) | * |
| Elevate Telematics | * |
| Secondary Guarding Lift Enable (SGLE) | * |
| Hydraulic tank heater | * |

*1858AA*

# 7.2 Owner's annual inspection record




## ⚠ WARNING

**Do not use the MEWP if there is no inspection recorded in the last 6 months. If you do not obey, there is a risk of death or serious injury.**

## IMPORTANT

**The Owner's Annual Inspection Record on the scissor assembly must be filled out after an annual inspection is completed.**

## 7.3 Specifications

| Models | SJ6832 RTE |
|---|---|
| Weight (Without Outriggers)* | 3780 kg |
| Weight (With Outriggers)* | 3845 kg |
| Overall Width | 1.765 m |
| Overall Length (Platform Retracted) | 2.720 m |
| Overall Length (Platform Extended) | 4.110 m |
| Platform Length, Inside (Platform Retracted) | 2.440 m |
| Platform Length, Inside (Platform Extended) | 3.900 m |
| **Height** | |
| Working Height | 11.7 m |
| Platform Elevated Height | 9.7 m |
| Stowed Height (Railings Up) | 2.510 m |
| Stowed Height (Railings Down) | 1.750 m |
| Drive Height (Maximum) | FULL |
| **Standard Operating Times** | |
| Lift Time (No Load) | 32 - 36 sec |
| Lower Time (No Load) | 44 - 48 sec |
| Lift Time (Rated Load) | 37 - 41 sec |
| Lower Time (Rated Load) | 34 - 38 sec |
| **Chassis** | |
| Normal Drive Speed (Stowed) | 5.78 - 6.10 km/h |
| Elevated Drive Speed | 0.52 - 0.61 km/h |
| Gradeability (Torque Equivalent To) | 45 % |
| Tires (Foam Filled) | 30.5 cm x 66 cm |
| **Hydraulic Oil** | |
| Type | ATF Dexron III |
| Tank Capacity | 71 L |

*1859AA*

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

# 7.4 Maximum platform capacities (evenly distributed)

| Models | Wind Rating | Total Platform Capacity | | Extension Platform Capacity | | Manual Side Force | Tilt cutout setting (side-to-side x front-to-back) |
|---|---|---|---|---|---|---|---|
| **SJ6832 RTE** | 0 m/s | 454 kg | 4 Persons | 136 kg | 1 Person | 400 N | 2.5° x 4.5° |
| | 12.5 m/s | | | | | | |

*1951AA*

**NOTE**

*Occupants and materials are not to exceed the rated load. Refer to the capacity label at the sides of the platform for additional information and models equipped with options.*

# 7.5 Environment

| Model | SJ6832 RTE |
|---|---|
| Electromagnetic Compatibility (EMC) | Meets requirements of ISO 13766-1:2018 |
| Hazardous Location Rating | MEWP not rated for hazardous locations with potentially flammable gases, explosive gases or particles. |
| Sound Pressure Level (ISO 3744) | 70 dB |
| Guaranteed Maximum Sound Power Level (ISO 4871) | 96 dB |
| Whole-body Vibration on Platform | ≤ 0.5 $m/s^2$ |
| **Operating Temperatures** | |
| -20°C - +40°C | |

*1989AC*

# 7.6 Floor loading pressure

| Model | | Weights | | Pressures | |
|---|---|---|---|---|---|
| | | MEWP Weight | Max weight per wheel/outrigger pad | LCP** | OFL** |
| | | kg | kg | kPa | kg/m² |
| SJ6832 RTE on tires (foam-filled only) | Min* | 3780 | 1675 | 1340 | 785 |
| | Max* | 4430 | 1860 | 1490 | 925 |
| SJ6832 RTE on outrigger pads | Min* | 3845 | 1675 | 325 | 650 |
| | Max* | 4495 | 1860 | 360 | 760 |

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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.*

## ⚠ 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. Other tires can make the MEWP less stable. If you do not obey, there is a risk of death or serious injury.**

# 7.7 EC Declaration of Conformity



EC Declaration of Conformity

**Model number**
SJ6832 RTE

**Serial number**
A200 XXX XXX

SKYJACK

55 Campbell Rd.
Guelph, Ontario
Canada N1H 0B8
Tel: +1 519 837 0888
Fax: +1 519-837-8104

EN We, SKYJACK INC., declare under our sole responsibility that the product mobile elevating work platform designated as Type 3, Group A, to which this declaration relates is in conformity with the following directives:

**Machinery Directive 2006/42/EC**
with guidance from Harmonized
European Standard EN280:2013+A1:2015

**Directive 2014/30/EU**
with guidance from Harmonized
European Standard IEC CISPR-12:2007+A1:2009
and EN ISO 13766-1:2018

**Directive 2000/14/EC** (when equipped with gas Hybrid Power Pack)
**Notified body:** Intertek Testing & Certification Ltd. Davy Avenue, Knowlhill,
Milton Keyes, MK5 8NL, UK.
EC Conformity Certificate No: **XXXXX**

**EC type Examination Certificate No:** KCEC XXXX

**The person authorized to compile the Technical Construction File:**

Charlie Patterson
SKYJACK HEBEBÜHNEN GMBH,
Därmannsbusch 2a
58456 Witten, Germany
Tel: +49 (0)2302 20 26 909
Fax: +49 (0)2302 20 25 671

**Notified body:**

Kuiper Certificering B.V., NB Number 2842
Van Slingelandtstraat 75, 7331NM,
Apeldoorn, Netherlands.

**Testing Laboratory:**

INTERTECK TESTING SERVICES NA INC.
70 Codman Hill Road
Boxborough, MA 01719, USA

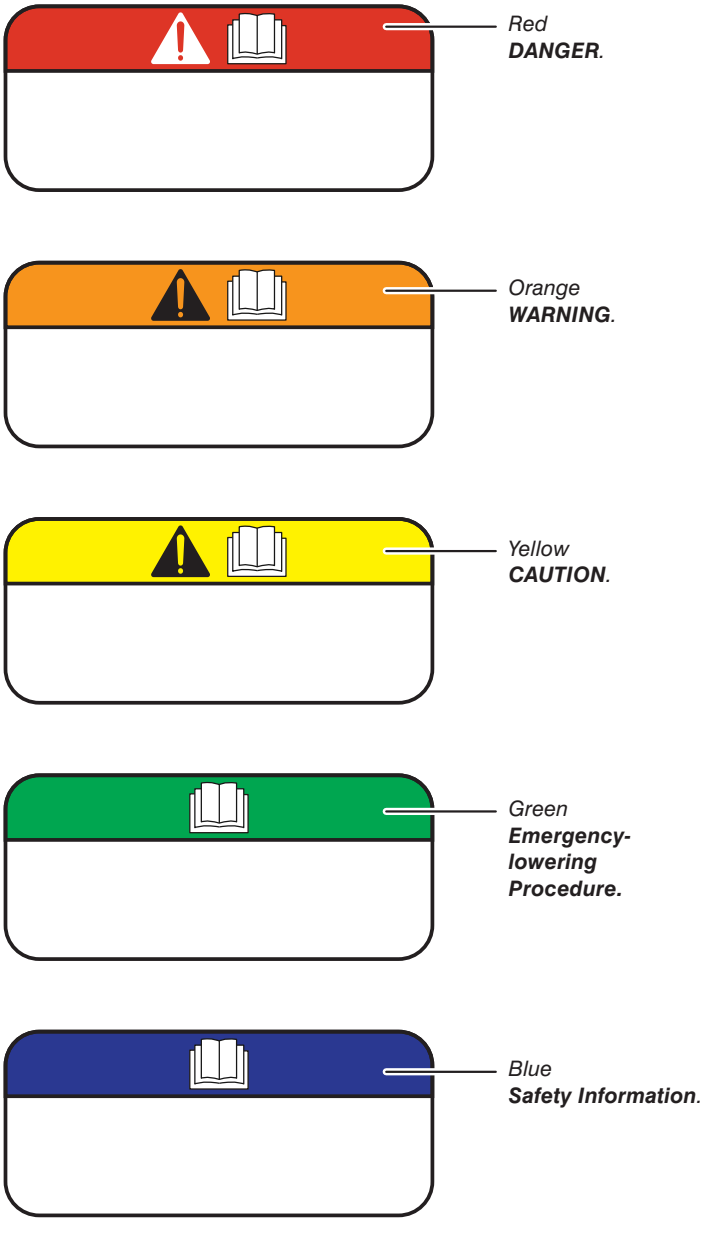
**Place of issue:**

SKYJACK INC.,
55 Campbell Road,
Guelph, Ontario N1H 1B9, Canada
Tel: +1 519 837-0888 Fax: +1 519 837-3102

Note: In case of unauthorized modification, this declaration becomes invalid.

Director of Quality: Marnie Levergood

# Section 8 – Labels



*Red*
***DANGER.***

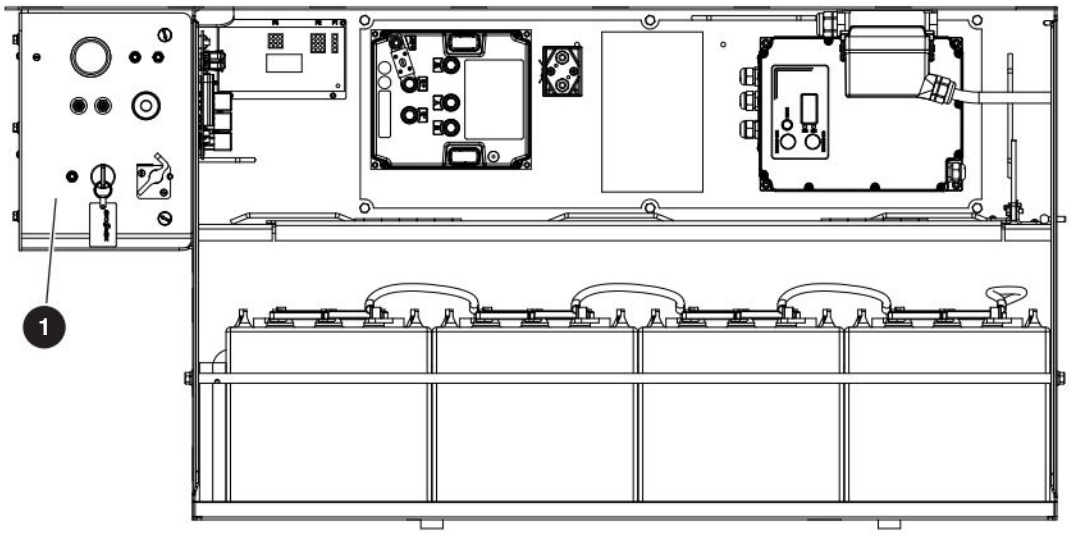
*Orange*
***WARNING.***

*Yellow*
***CAUTION.***

*Green*
***Emergency-lowering Procedure.***

*Blue*
***Safety Information.***

# 8.1 Electrical compartment




| Description | Label Pictorial |
|---|---|

**1 Base control console**

Accumulated operating time.

Battery level.

Error codes. Refer to the Service manual for error codes.

Select the AUTO position to activate HPP in automatic mode. Select the M position to activate HPP in manual mode.

Select the on position to start the HPP (if equipped). Select the off position to turn off the HPP.

Read the operation manual.

Push to reset ground posicircuit breaker.

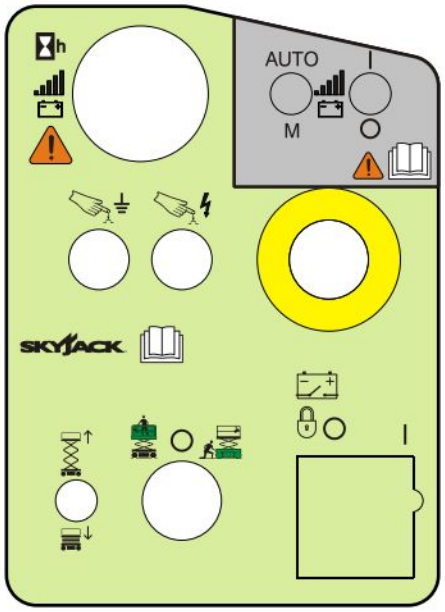
Push to reset power circuit breaker.

Push to disable controls (emergency stop). A light indicates the controls are enabled.

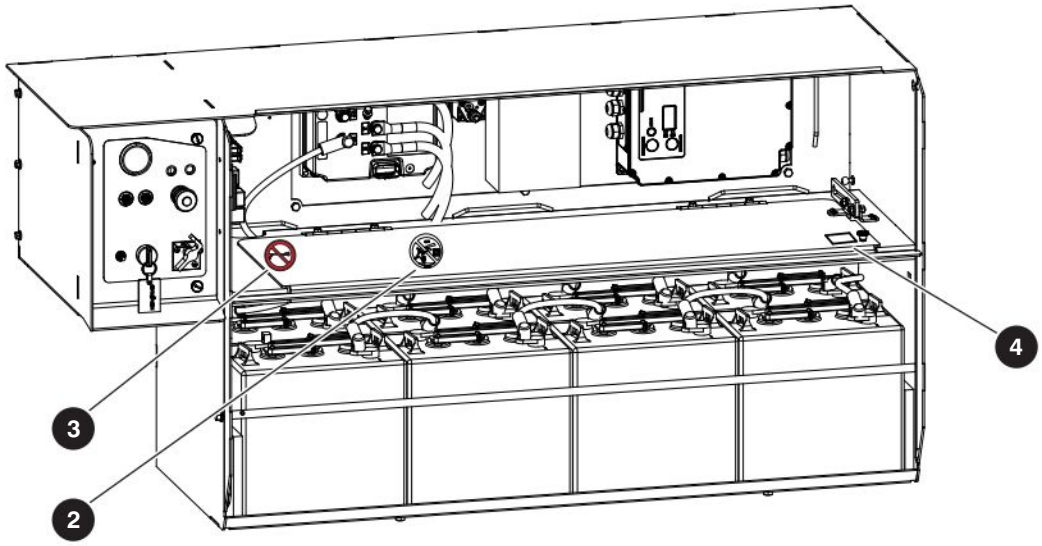
Select to raise or to lower the platform.

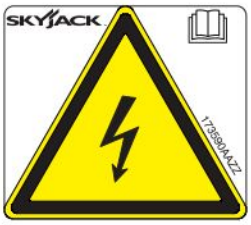
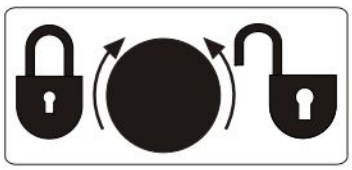
Select to enable platform controls, or to enable the base control console.

Select the off position to disconnect power to all circuits. Select the on position to operate any circuit.

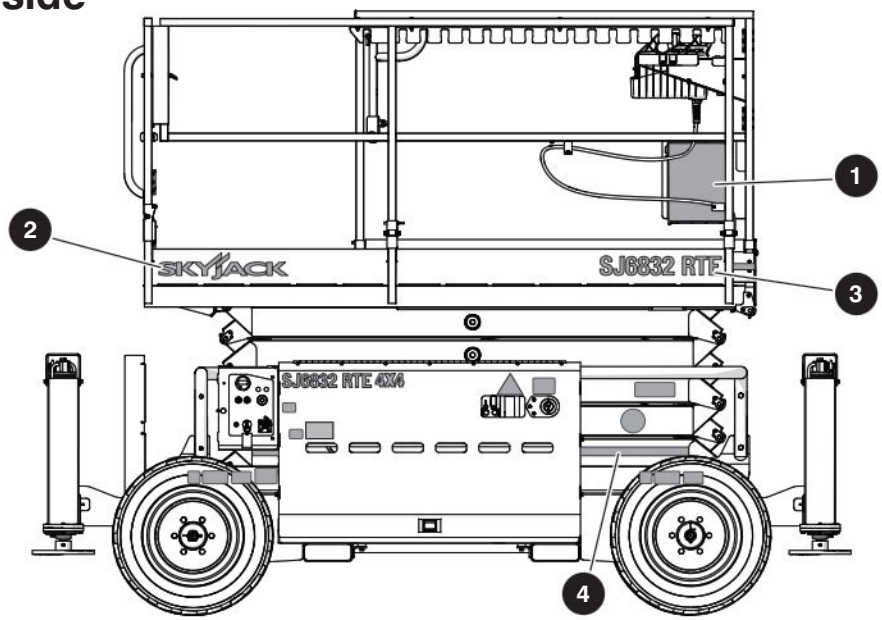


### *Electrical compartment (continued)*



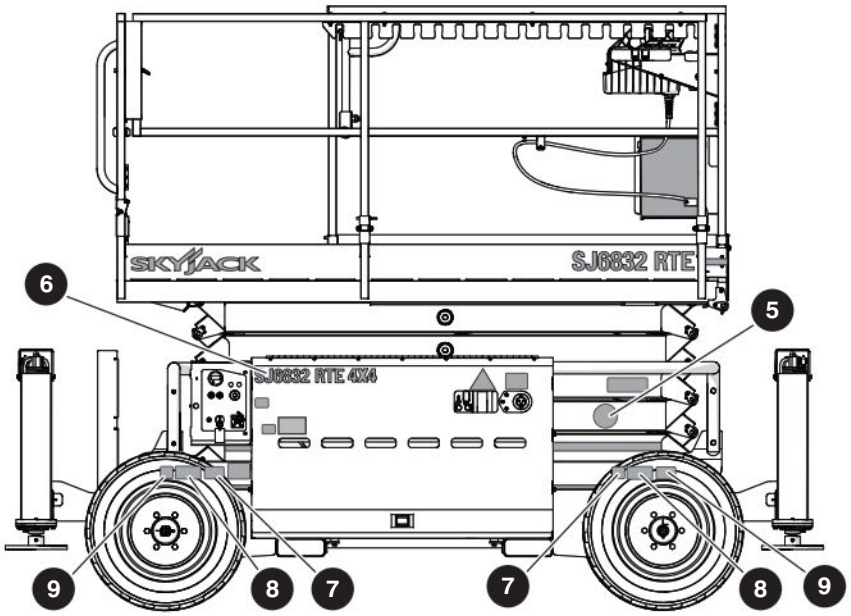

| Description | Label Pictorial |
|---|---|
| **2 Warning - electrical shock**<br>Stay away. High voltage. |  |
| **3 No pressure washer**<br>Do not use a pressure washer. |  |
| **4 Battery cover lock**<br>Turn the know to the left to unlock the battery tray cover.<br>Turn the knob to the right to lock the battery tray cover in place. |  |

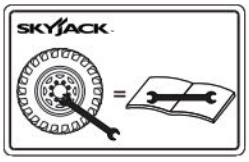
# 8.2 Right side



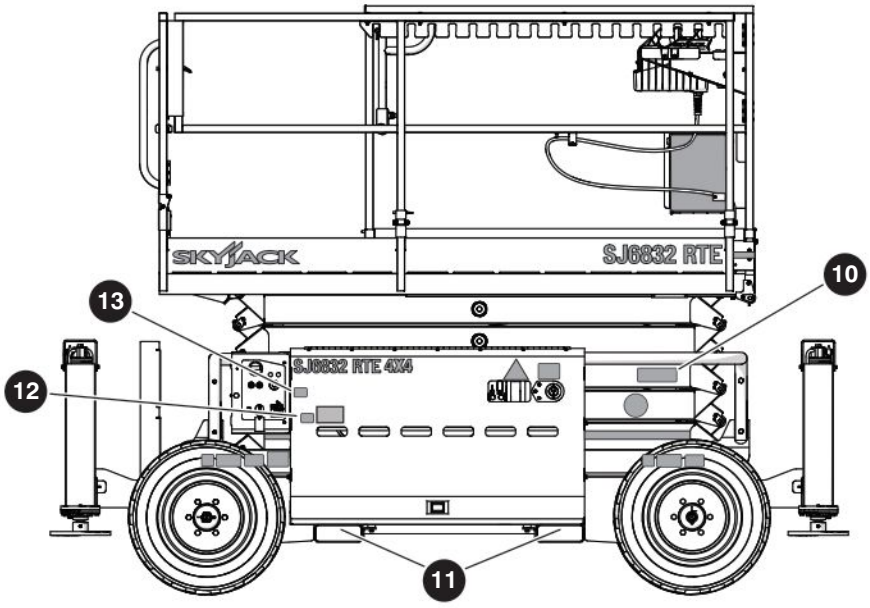

| Description | Label Pictorial |
|---|---|
| **1 Hazard identification**<br>Read and understand the specified hazards with this MEWP before operation. Refer to *Section 2*.<br>**Manual storage box**<br>Shows the location of the operation manual.<br>*Note: This label is inside the platform.* |  |
| **2 Skyjack logo** | SKYJACK |
| **3 Model number***<br>Product Identifier<br>*Model number will vary and may not be as shown. | SJ6832 RTE |
| **4 Caution tape stripe** |  |

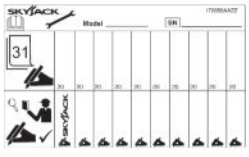
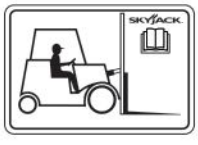
### *Right side (continued)*



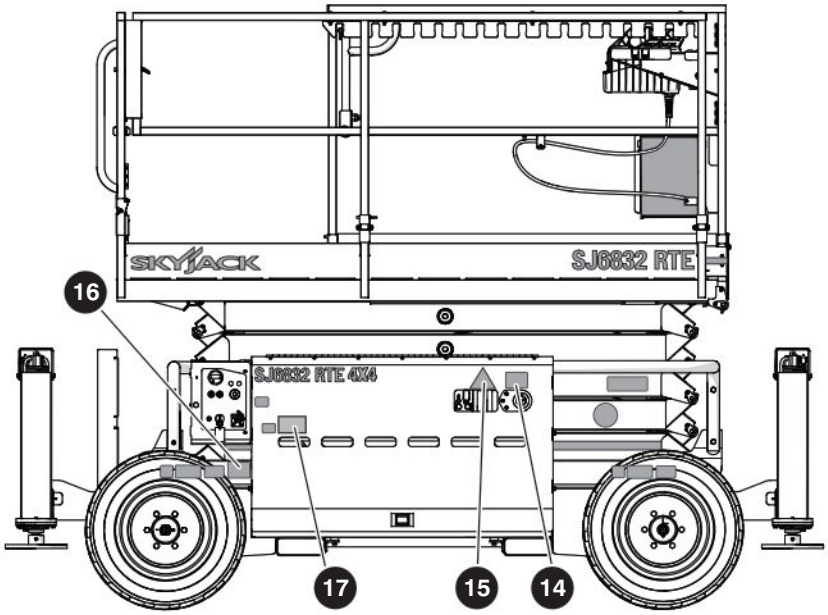

| Description | Label Pictorial |
|---|---|
| **5 Stay away**<br>Stay away from the MEWP when it is in operation. |  |
| **6 Model number***<br>Product Identifier<br>*Model number will vary, may not be as shown. | SJ6832 RTE 4X4 |
| **7 Tip-over hazard**<br>Use Skyjack approved, matched solid tires only. Do not use air or foam-filled tires. |  |
| **8 Wheel specifications**<br>Refer to the service manual for wheel type and torque. |  |
| **9 Wheel load***<br>Shows the maximum load applied to the ground by the specified wheel.<br>**Each model has different wheel loads.* |  |

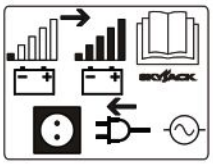
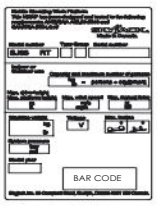
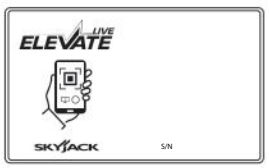
***Right side (continued)***



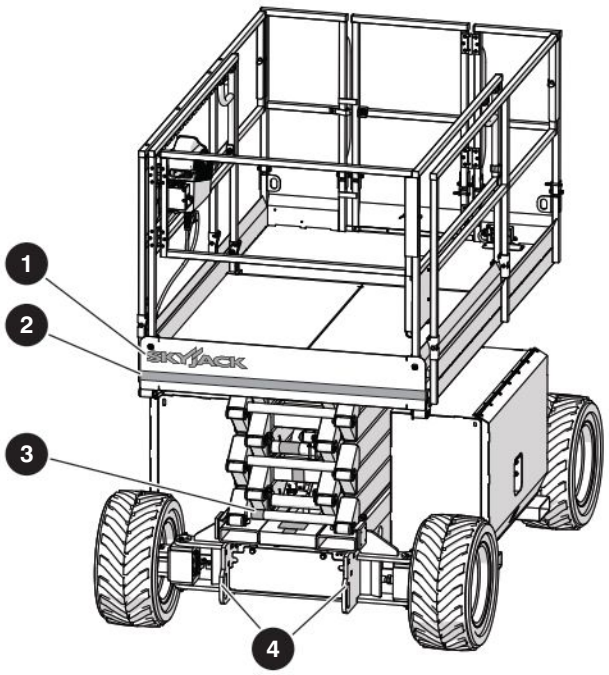

| Description | Label Pictorial |
|---|---|
| **10 Annual inspection**<br>Make sure the MEWP has received an annual inspection before operation. |  |
| **11 Forklift lift location**<br>Insert fork fully into forklift lift location to lift the MEWP. |  |
| **12 CE mark** |  |
| **13 Elevate™ Trackunit (optional equipment)**<br>This MEWP has added functionality. |  |

### *Right side (continued)*



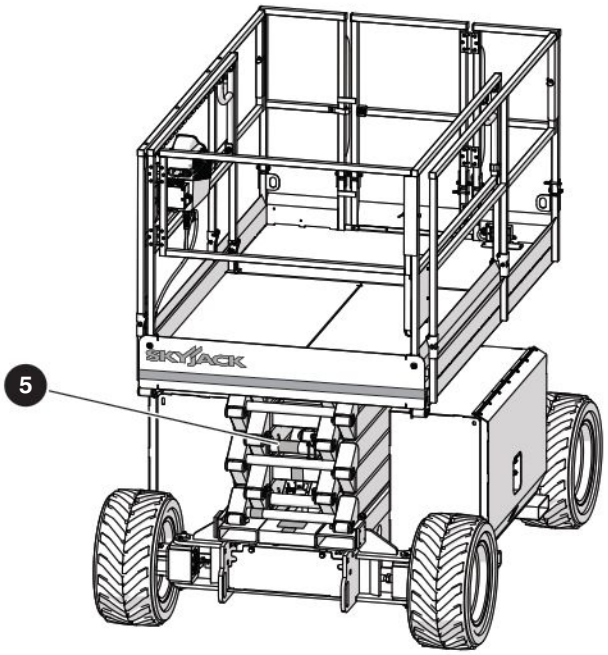

| Description | Label Pictorial |
|---|---|
| **14 Battery Charger Connection**<br>Connect an AC supply here to charge the batteries. |  |
| **15 AC Battery charging with HPP (optional equipment)**<br>Stop the HPP before you connect an AC supply to charge the batteries. |  |
| **16 Serial plate***<br>MEWP identification and specifications.<br>**The serial plate information changes with different MEWPs.* |  |
| **17 QR code**<br>This code gives you fast access to the MEWP documentation, and the live MEWP data supplied by ELEVATE telematics (optional equipment). |  |

# 8.3 Front side




| Description | Label Pictorial |
|---|---|
| **1 Skyjack logo** | |
| **2 Caution tape stripe** | |
| **3 Maintenance support**<br>Deploy maintenance support here. | |
| **4 Lift and tie-down points**<br>Only use these points for lifting or tying down. | |

***Front side (continued)***

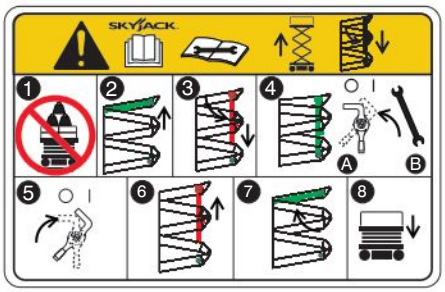



| Description | Label Pictorial |
|---|---|

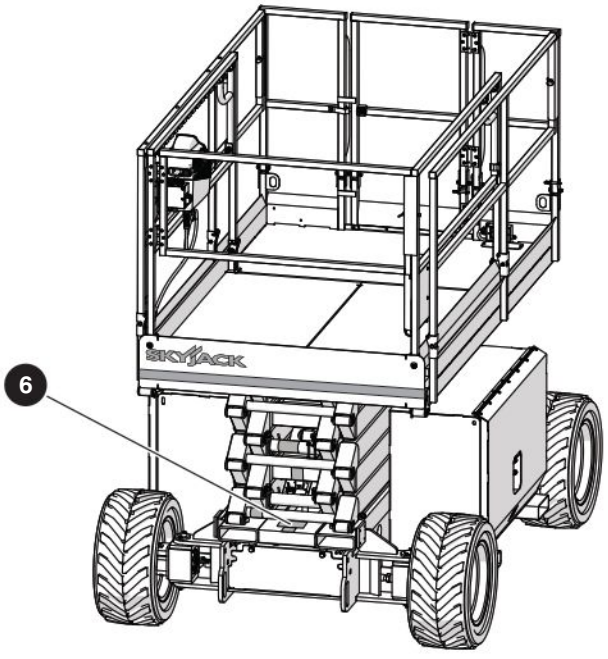
**5 Maintenance support procedure**

Refer to the operation manual.

1. Remove all material from platform.
2. Raise platform until there is adequate clearance to swing down maintenance support.
3. Swing maintenance support down from storage bracket into a vertical position. Lower platform until the bottom end of maintenance support rests on the lower cross bar.
4. Maintenance support is now secured.
   a. Turn Main power disconnect switch to off position.
   b. Perform inspection/maintenance.
5. Turn Main power disconnect switch to on position.
6. Raise platform until there is adequate clearance to swing up maintenance support.
7. Swing maintenance support up and place into storage bracket.
8. Ensure platform is fully lowered.



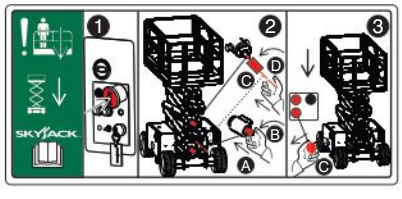
***Front side (continued)***




| Description | Label Pictorial |
|---|---|

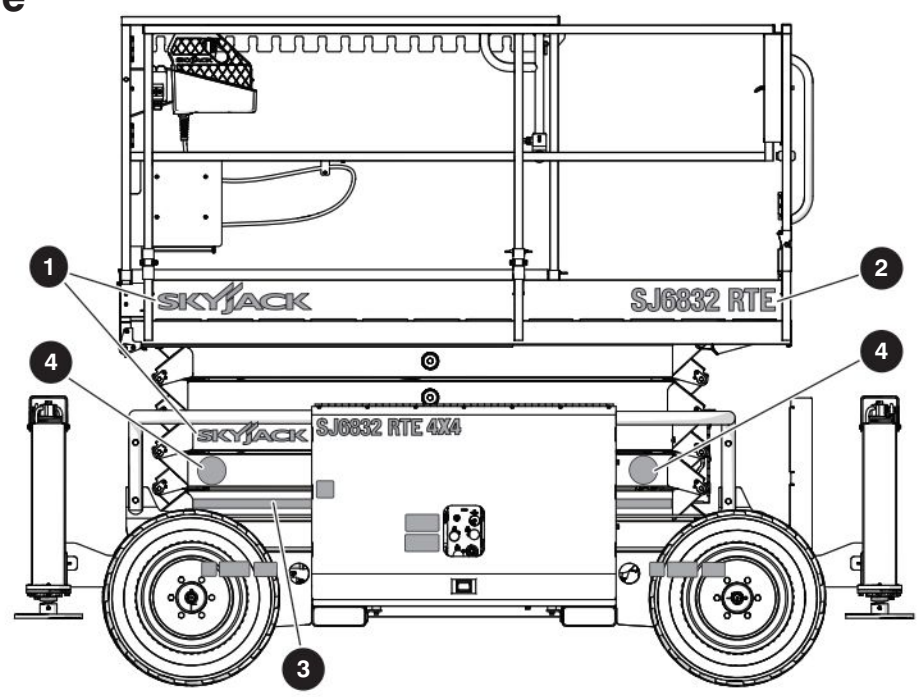
**6 Emergency lowering procedure**

Refer to the operation manual.



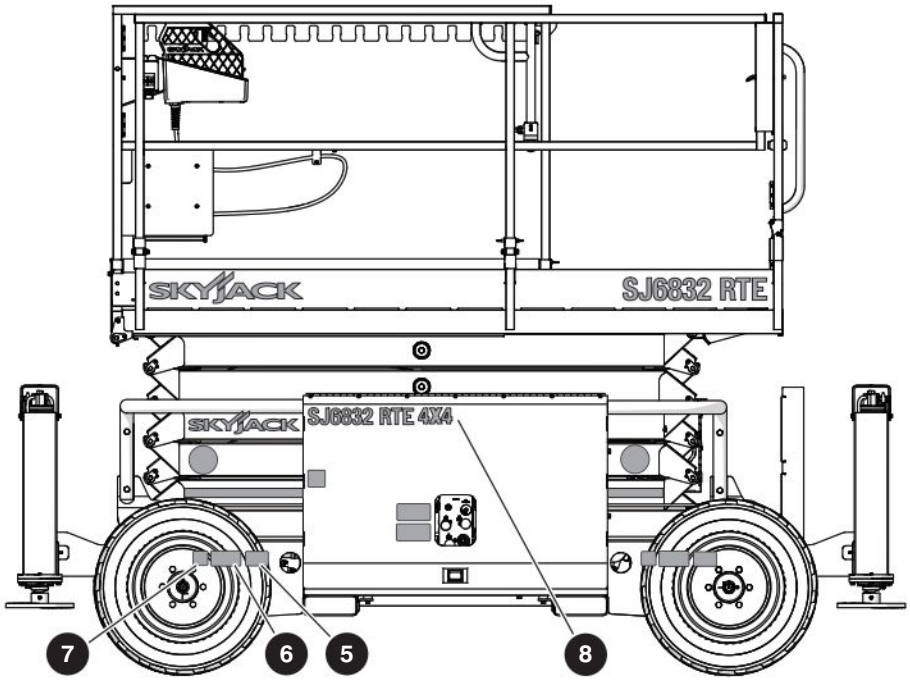

1. Turn Main power disconnect switch to off position.
2. To open the lift cylinder holding valves located at the bottom of each cylinder:
   if higher reach required, use emergency lowering rod located on the top of the base to:
   a. push
   b. turn knurled knob counterclockwise.
3. To lower the platform, pull out emergency lowering valve located on the outside of the hydraulic tray.

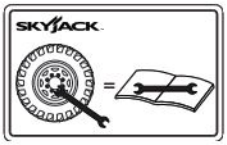
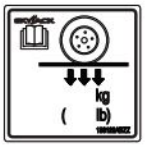
# 8.4 Left side



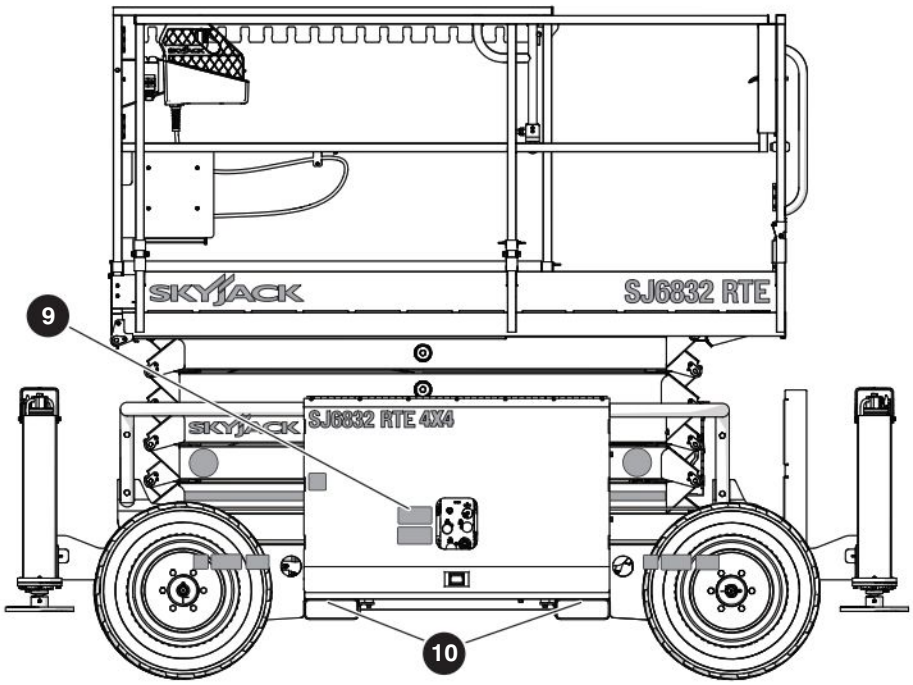

| Description | Label Pictorial |
|---|---|
| **1 Skyjack logo** | SKYJACK |
| **2 Model number*** Product Identifier *Model number will vary, may not be as shown. | SJ6832 RTE |
| **3 Caution tape stripe** | |
| **4 Stay away** Stay away from the MEWP when it is in operation. | |

***Left side (continued)***




| Description | Label Pictorial |
|---|---|
| **5 Tip-over hazard**<br>Use Skyjack approved, matched solid tires only. Do not use air or foam-filled tires. |  |
| **6 Wheel specifications**<br>Refer to the service manual for the wheel type and torque. |  |
| **7 Wheel load***<br>Shows the maximum load applied to the ground by the specified wheel.<br>**Each model has different wheel loads.* |  |
| **8 Model number***<br>Product Identifier<br>*Model number will vary, may not be as shown. | SJ6832 RTE 4X4 |

***Left side (continued)***

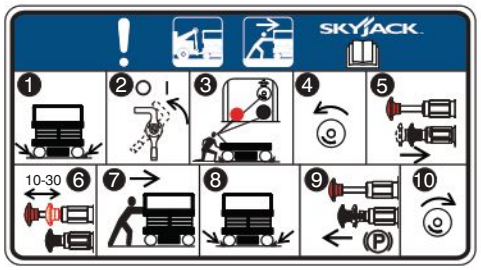



| Description | Label Pictorial |
|---|---|

**9 Winching/towing/pushing procedure**

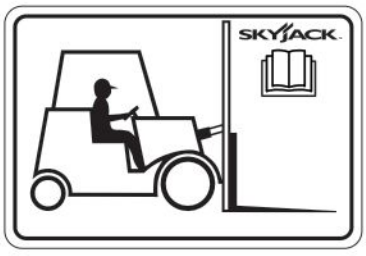
Refer to the operation manual.

1. Block or chock wheels to prevent MEWP from rolling.
2. Turn the main power disconnect switch to off position.
3. Locate free-wheeling valve, brake valve, and pump.
4. Open free-wheeling valve by turning it counterclockwise.
5. Push in black knob.
6. Pump by pushing red knob in and out until firm resistance is felt. Brake is now released.
7. Push/tow/winch to desired location.
8. Block or chock wheels to prevent MEWP from rolling.
9. Reset brake by pulling out black knob.
10. Close free-wheeling valve by turning it clockwise.

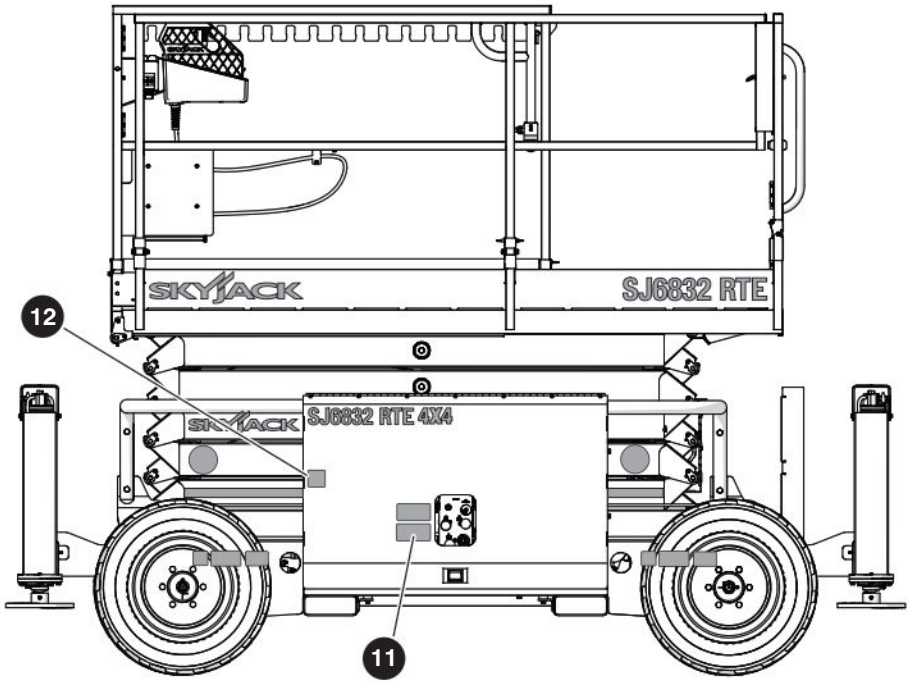



**10 Forklift lift location**

Insert fork fully into forklift lift location to lift the MEWP.



***Left side (continued)***

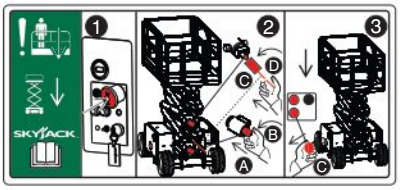



| Description | Label Pictorial |
|---|---|

**11 Emergency lowering procedure**

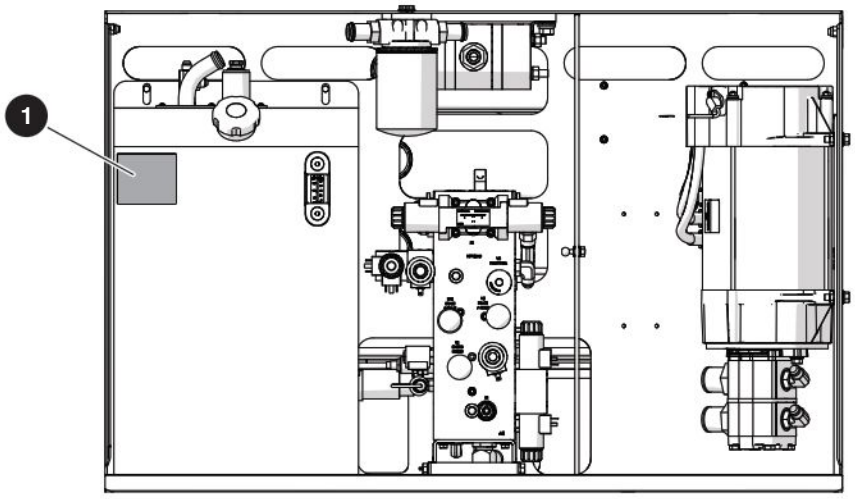
Refer to the operation manual.

1. Turn Main power disconnect switch to off position.
2. To open the lift cylinder holding valves located at the bottom of each cylinder:
   if higher reach required, use emergency lowering rod located on the top of the base to:
   - **a.** push
   - **b.** turn knurled knob counterclockwise.
3. To lower the platform, pull out emergency lowering valve located on the outside of the hydraulic tray.




**12 CE mark**

# 8.5 Hydraulic compartment

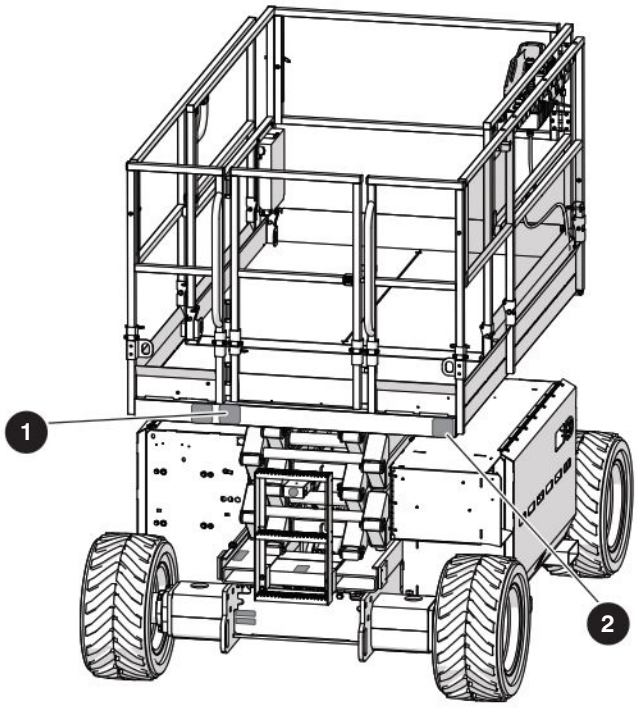



| Description | Label Pictorial |
|---|---|

**1 Hydraulic oil ATF Dexron III**

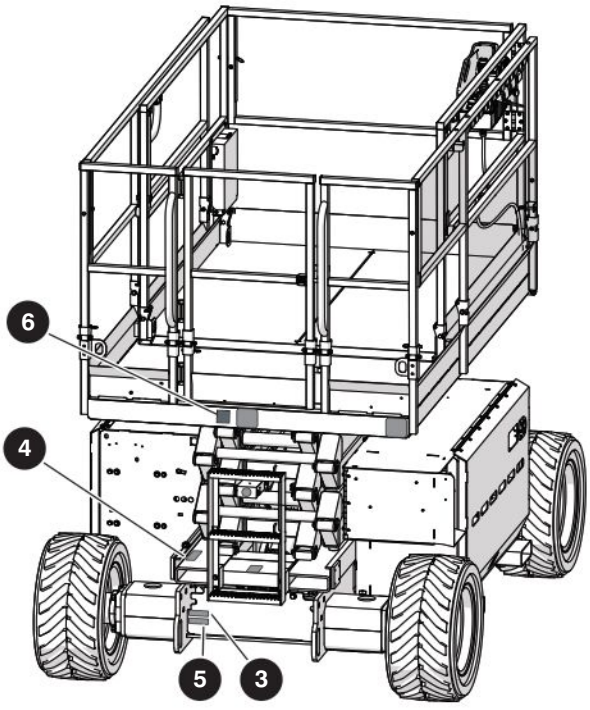
Only replace the hydraulic fluid with ATF Dexron III.

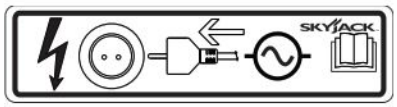
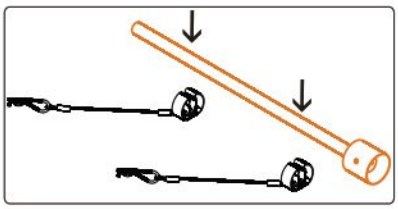
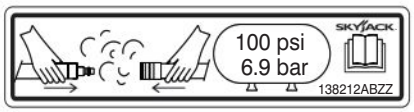
# 8.6 Rear side



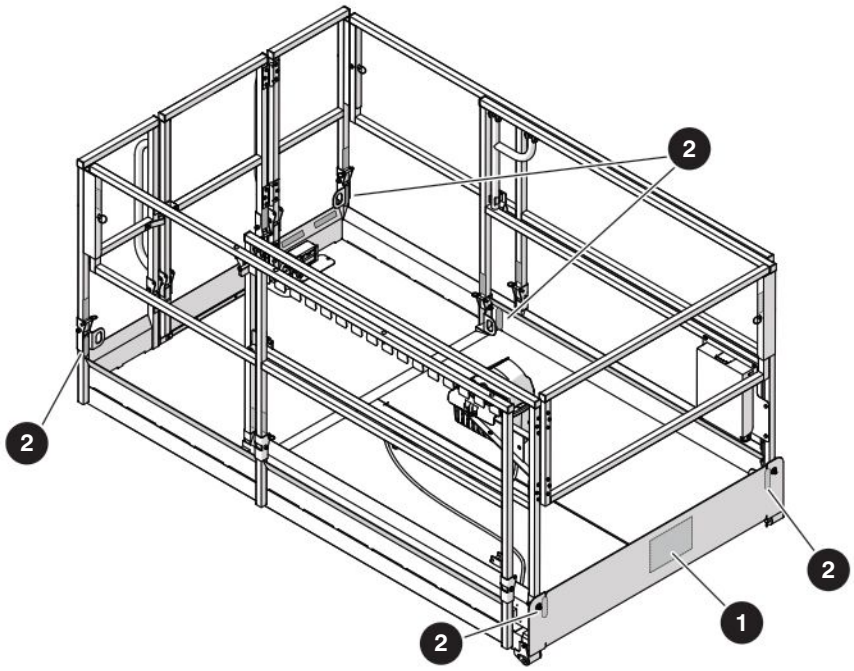

| Description | Label Pictorial |
|---|---|
| **1 Operator daily inspection**<br>Refer to the operation manual. Do the visual inspections and function tests before you start each work shift.<br>Refer to *section 4.4*. |  |
| **2 No jewelry**<br>Caution. Do not wear jewelry or loose clothing that could become caught or entangled. |  |

***Rear side (continued)***




| Description | Label Pictorial |
|---|---|
| **3 Connect AC supply**<br>Connect AC supply here. |  |
| **4 Emergency lowering access rod**<br>Secure the emergency lowering access rod in place. |  |
| **5 Connect air supply (optional equipment)**<br>Connect platform air supply here. |  |
| **6 No insulation**<br>This MEWP is not electrically insulated and does not provide protection from contact with or proximity to energized electrical conductors. Follow *section 2.1-1* for the minimum distance to keep between all parts of the MEWP, occupants, or tools, and the electrical conductors. |  |

# 8.7 Platform view




Description | Label Pictorial

**1 Platform capacity***

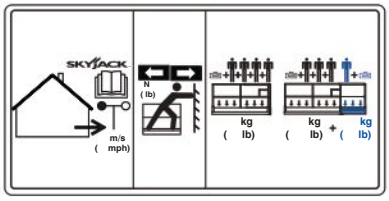
Shows the rated work load in each configuration.

**Each model has different platform capacities.*

**Horizontal load rating****

Do not apply more than the specified side load. Operate the MEWP when the wind speed, which includes wind gusts, is less than the specified speed for this model.

***The rating changes between different units.*

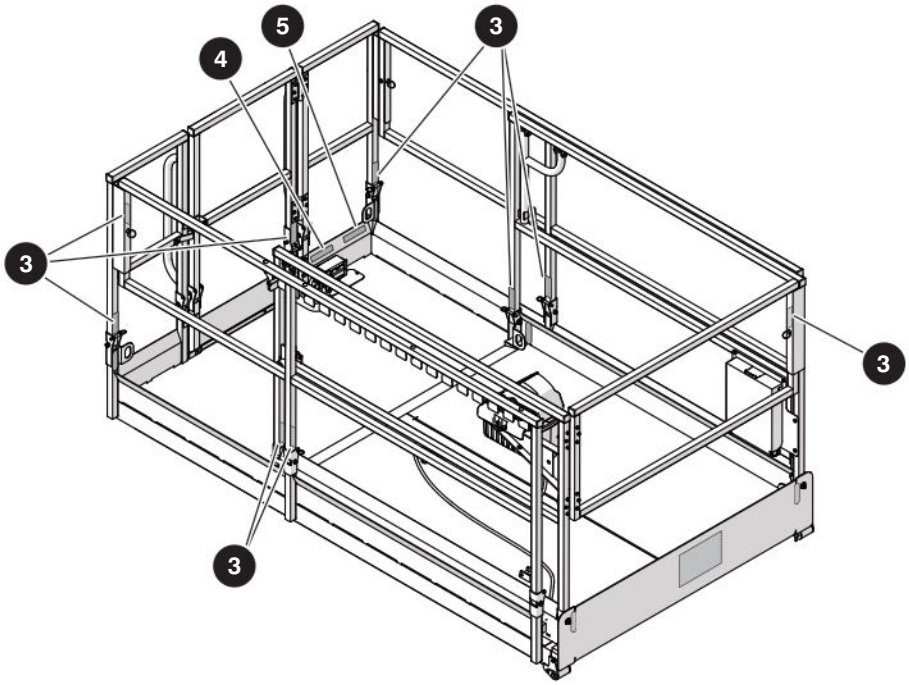


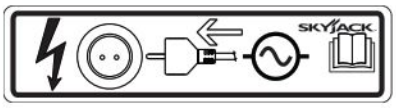
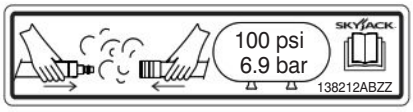

**2 Fall protection anchorage**

When required, attach the body-harness lanyards of each occupant to the fall-protection anchorage points.

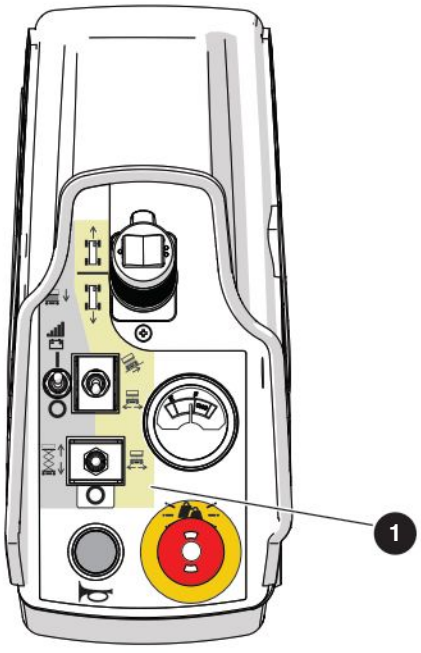
Rated for one (1) person for each anchorage point.

***Platform view (continued)***




| Description | Label Pictorial |
|---|---|
| **3 Warning - Fall hazard (vertical)**<br>Make sure the hinged railing is locked with **lock-pins.** |  |
| **4 Connect AC supply**<br>Connect AC supply here. |  |
| **5 Connect air supply (optional equipment)**<br>Connect platform air supply here. |  |

# 8.8 Platform control console




| Description | Label Pictorial |
|---|---|

**1 Platform control console**

Squeeze trigger to enable controller.

Operate rocker switch to steer.

Move controller forward to raise or backward to lower platform.

Move controller forward to drive forward or backward to drive reverse.

Select either the drive mode with low speed (high torque) or the drive mode with high speed (low torque).

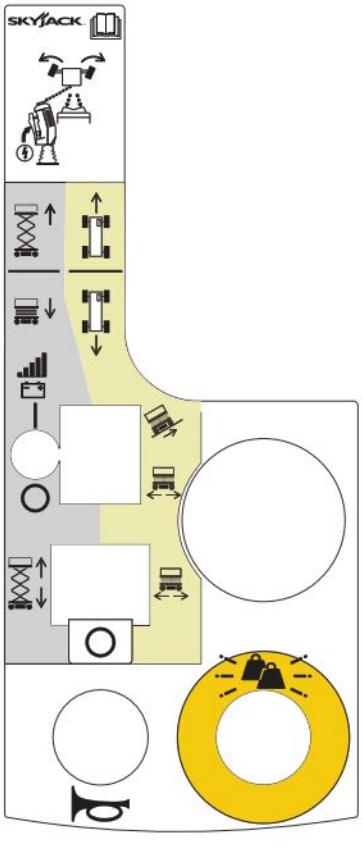
Select either incline drive or level drive mode.

Push to sound the horn.

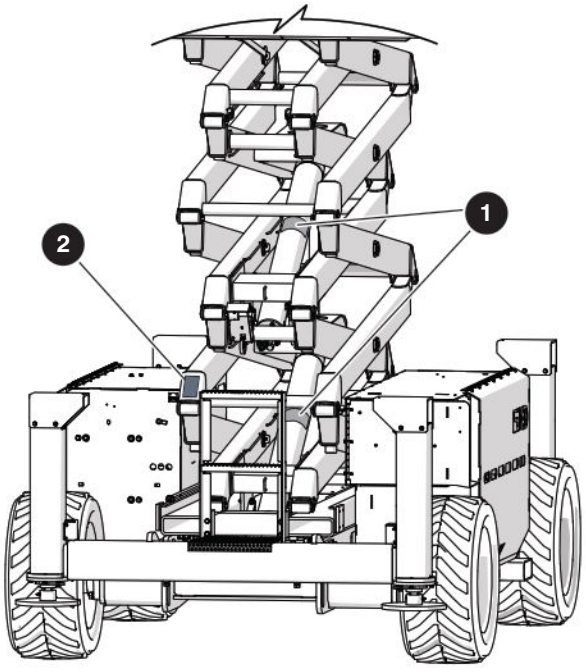
Push to disable the controls (emergency stop).

The light indicates the controls are enabled.

Read the operating manual.

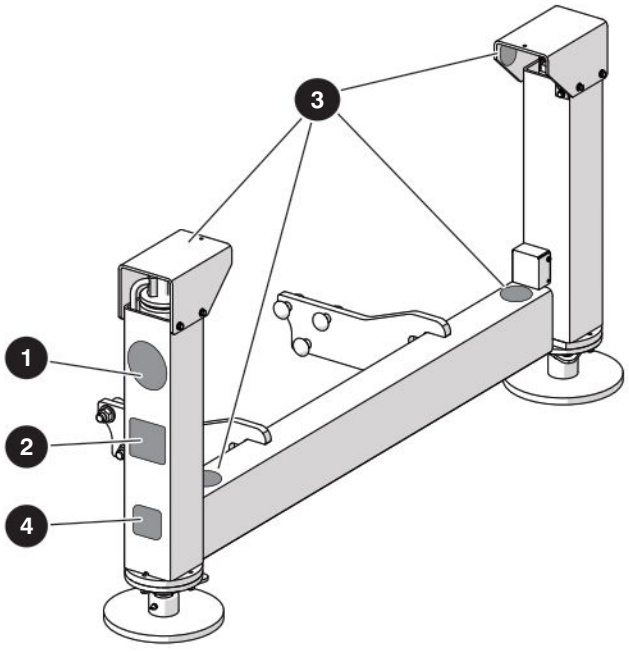


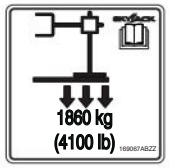
# 8.9 Lift cylinders



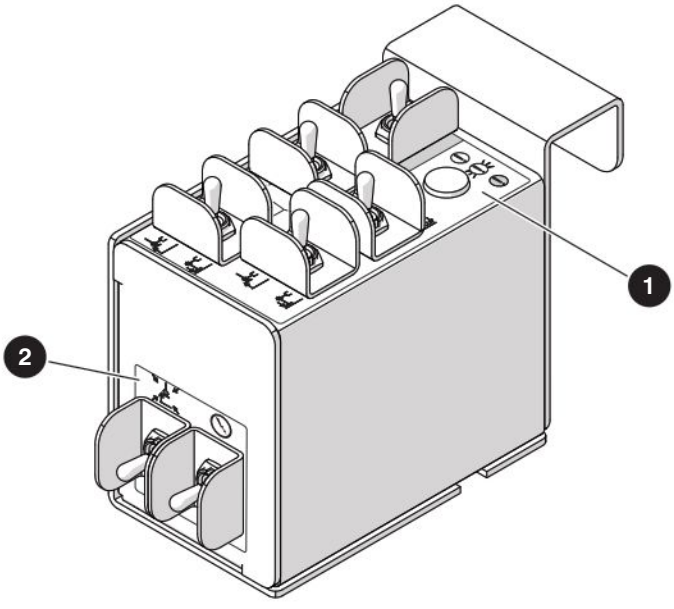

| Description | Label Pictorial |
|---|---|
| **1 Orifice installed**<br>Make sure the orifice is installed. |  |
| **2 Warning - deploy maintenance support(s)**<br>Do not do maintenance or inspections in the scissor assembly unless the maintenance support(s) are deployed. Refer to *section 6.9* |  |

# 8.10 Outriggers (optional equipment)




| Description | Label Pictorial |
|---|---|
| **1 Stay away**<br>Stay away from the MEWP when it is in operation. |  |
| **2 Warning - crush hazard** |  |
| **3 Warning–Do not alter**<br>Do not tamper with or disable the limit switches or other safety devices. |  |
| **4 Outrigger load (optional equipment)**<br>Indicates rated outrigger load. |  |

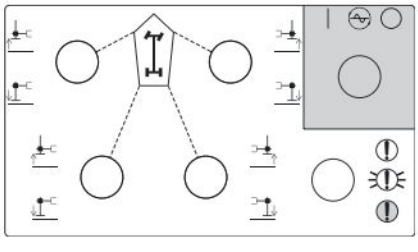
# 8.11 Outrigger and generator control console (optional equipment)




| Description | Label Pictorial |
|---|---|

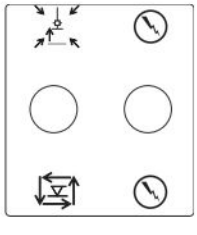
**1 Manual outrigger control console with generator**

- Select retract or extend for each outrigger.
- Select to enable or to disable generator.
- **Indicates leveling system status:**
- **Off :** The outriggers are fully retracted.
- **Flashing Rapidly:** The outriggers are extending but the platform is not level.
- **Flashing:** The outriggers are extended but the platform is not yet level.
- **Solid:** The outriggers are extended and the platform is level.

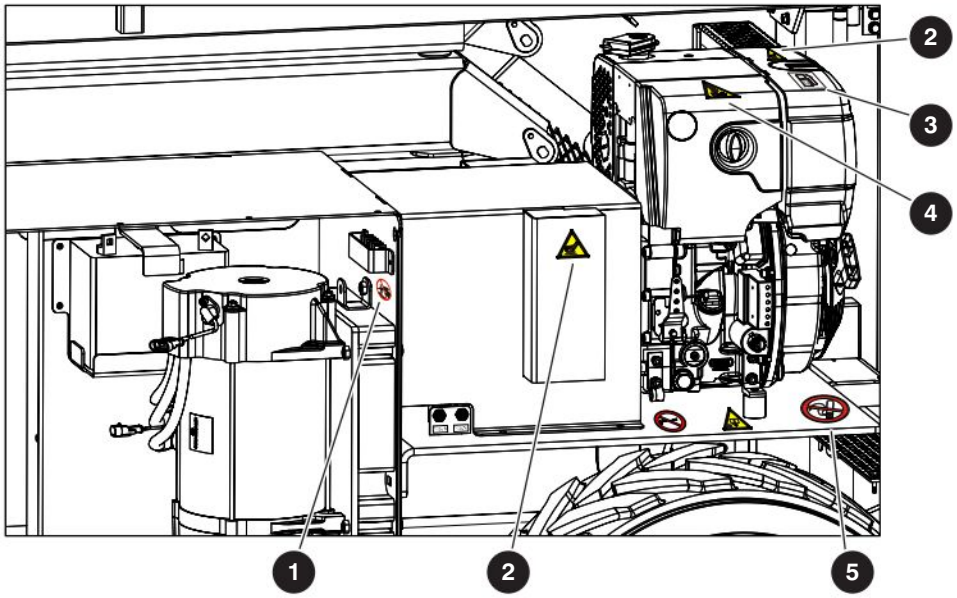


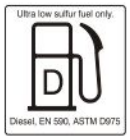
**2 Automatic outrigger control console**

- Select to retract all outriggers or to extend all outriggers with automatic leveling.
- Select to enable manual or automatic outrigger controls.

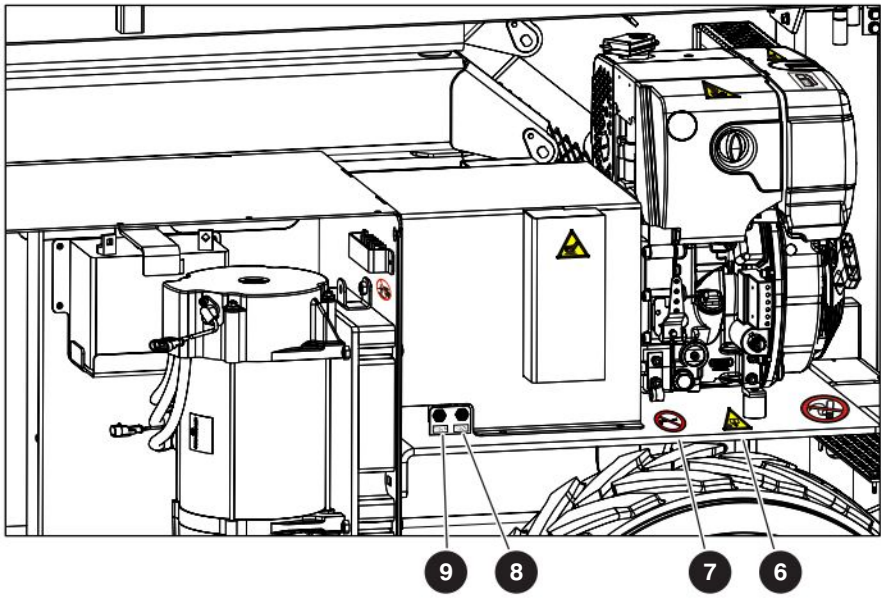


# 8.12 Hybrid Power Pack (HPP) (optional equipment)




| Description | Label Pictorial |
|---|---|
| ❶ **Warning - electrical shock**<br>Stay away. High voltage.. |  |
| ❷ **Hot surface**<br>Do not touch. |  |
| ❸ **Diesel**<br>Only use low or ultra-low sulfur diesel. |  |
| ❹ **AC battery charging - HPP**<br>Turn off the HPP before connecting an AC supply to charge. |  |
| ❺ **Do not smoke**<br>Do not smoke near this location. |  |

## *Hybrid Power Pack (HPP) (optional equipment) (continued)*




| Description | Label Pictorial |
|---|---|
| **6 Oil drain**<br>Drain oil here. |  |
| **7 No pressure washer**<br>Do not use a pressure washer. |  |
| **8 Power circuit breaker**<br>Push to reset the power circuit breaker. |  |
| **9 Circuit breaker reset**<br>Push to reset the ground circuit breaker. |  |

# Notes

# Section 9 – Unique Skyjack Features

Your Skyjack MEWP may be equipped with these unique features:

ACCESSORYZERS™

Having equipment with features and functionality that allow you and your customers to do more is a vital part of the utilization equation. Skyjack offers a range of accessory products to expand a MEWP's functionality and your power to offer a truly flexible rental choice.

SKYCODED™

At the heart of every Skyjack machine are proven and simplistic control systems using Skyjack's color-coded and numbered wiring system, making our machines the easiest to troubleshoot and repair. Using an analog-based control system allows Skyjack MEWPs to operate using a simplified system with fewer and less expensive components, which translates into less maintenance and lower costs.

# Notes

SKYJACK™

www.skyjack.com