

OPERATING MANUAL (CE)

ROUGH TERRAIN SCISSORS

MODELS SJ6826 RT SJ6832 RT

194125AH-A October 2022

SKYJACK

This manual is based on Serial Number(s):

SJ 68XXRT 37 006 157 & Above

Please refer to the website (www.skyjack.com) for older Serial Numbers.

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The Safety Alert Symbol identifies important safety messages on aerial platform, 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.



This Safety Alert Symbol means attention!

Become alert! Your safety is involved.

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 aerial platform.

Original instructions in English.

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

Aerial Platform Definition
A mobile device that has an adjustable position platform supported from ground level by a structure.

Purpose of Equipment
The SKYJACK Rough Terrain Compact Series aerial platform is designed to transport and raise personnel, tools and materials to overhead work areas.

Use of Equipment
The aerial platform is a highly maneuverable, mobile work station. Work platform elevation and elevated driving must only be done on a firm, level surface. It can be driven over uneven terrain only when the platform is fully lowered.

Manual
The operating manual is considered a fundamental part of the aerial platform. It is a very important way to communicate necessary safety information to users and operators. A complete and legible copy of this manual must be kept in the provided weather-resistant storage compartment on the aerial platform at all times.

Operator
The operator must read and completely understand both this operating manual and the safety panel label located on the platform and all other warnings in this manual and on the aerial platform. Compare the labels on the aerial platform with the labels found within this manual. If any labels are damaged or missing, replace them immediately.

Service Policy and Warranty
SKYJACK warrants each new SJRT Compact Series aerial platform to be free of defective parts and workmanship for the first 24 months. Any defective part will be replaced or repaired by your local SKYJACK dealer at no charge for parts or labor. Contact the SKYJACK Service Department for warranty statement extensions or exclusions.

Optional Accessories
The SKYJACK aerial platform is designed to accept a variety of optional accessories. These are listed under “Standard and Optional Features” in Table 4.1. Operating instructions for these options (if equipped) are located in Section 3 of this manual.

For non-standard components or systems, contact the SKYJACK Service Department at

☎ : 44-1691-676-235

🖷 : 44-1691-676-238

Include the model and serial number for each applicable aerial platform.

Scope of this Manual
a. This manual applies to the CE version of the SJRT Compact Series aerial platform models listed on Table 4.1.

- Equipment identified with “CE” meets the requirements for the European countries, i.e., Machinery Directive 2006/42/EC, Noise Directive 2000/14/EC, and the corresponding EN standards.

b. Operators are required to conform to national, state or territorial/provincial and local health and safety regulations applicable to the operation of this aerial platform.

WARNING

Failure to comply with your required responsibilities in the use and operation of the aerial platform could result in death or serious injury!

Operator Safety Reminders

A study conducted by St. Paul Travelers showed that most accidents are caused by the failure of the operator to follow simple and fundamental safety rules and precautions.

You, as a careful operator, are the best insurance against an accident. Therefore, proper usage of this aerial platform is mandatory. The following pages of this manual should be read and understood completely before operating the aerial platform.

Common sense dictates the use of protective clothing when working on or near machinery. Use appropriate safety devices to protect your eyes, ears, hands, feet and body.

Any modifications from the original design are strictly forbidden without written permission from SKYJACK.

Electrocution Hazard

This aerial platform is not electrically insulated. Maintain a Minimum Safe Approach Distance (MSAD) from energized power lines and parts as listed below. The operator **must allow** for the platform to sway, rock or sag. **This aerial platform does not provide protection from contact with or proximity to an electrically charged conductor.**

DO NOT USE THE AERIAL PLATFORM AS A GROUND FOR WELDING.
DO NOT OPERATE THE AERIAL PLATFORM DURING LIGHTNING OR STORMS.
DO NOT OPERATE THE AERIAL PLATFORM NEAR POWER LINES. MAINTAIN A MINIMUM SAFE APPROACH DISTANCE (MSAD) FROM ENERGIZED POWER LINES.



DANGER

Avoid Power Lines

Minimum Safe Approach Distance

CE Guidance Note

"Avoidance of danger from overhead lines"

Adhere strictly to the governmental rulings and regulations applicable in your country.

FAILURE TO AVOID THIS HAZARD WILL RESULT IN DEATH OR SERIOUS INJURY!

60023AE-CE

Safety Precautions

Know and understand the safety precautions before going on to next section.

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 and local rules which apply to your aerial platform and jobsite.
- TURN emergency main power disconnect switch "◯" off when leaving the aerial platform unattended. Remove the key to prevent unauthorized use of the aerial platform.
- WEAR all the protective clothing and personal safety devices issued to you or called for by job conditions.
- DO NOT wear loose clothing, dangling neckties, scarves, rings, wristwatches or other jewelry while operating this aerial platform.



- AVOID entanglement with ropes, cords or hoses.



- AVOID falling. Stay within the boundaries of the guardrails.



- DO NOT raise the aerial platform or operate elevated in windy or gusty conditions that exceed the limits specified in Section 4, Table 4.4.



- DO NOT increase the lateral surface area of the platform. Increasing the area exposed to the wind will decrease aerial platform stability. Avoid tenting.



- DO NOT elevate the aerial platform if it is not on a firm, level surface.
- 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 aerial platform.



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



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



- DO NOT ascend or descend a grade when elevated. When fully lowered, ascending or descending, only grades up to rated maximum listed in Table 4.2 are permissible.



Safety Precautions (Continued)
Know and understand the safety precautions before going on to next section.

- DO NOT operate on surfaces not capable of holding the weight of the aerial platform including the rated load, e.g. covers, drains, and trenches.

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



- DO NOT operate an aerial platform that has ladders, scaffolding or other devices mounted on it to increase its size or work height. It is prohibited.



- DO NOT exert side forces on aerial platform while elevated.



- DO NOT use the aerial platform as a crane. It is prohibited.



- DO NOT sit, stand or climb on the guardrails. It is prohibited.



- DO NOT climb on scissor arm assembly. It is prohibited.



- AVOID overhead obstructions. Be aware of overhead obstructions or other possible hazards around aerial platform when lifting or driving.



- DO NOT raise the aerial platform while the aerial platform is on a truck, fork lift or other device or vehicle.



- AVOID crushing hazards. Be aware of crushing hazards when lifting or driving. Keep all body parts inside the aerial platform.



- DO NOT lower the platform unless the area below is clear of personnel and obstructions.



- ENSURE that there are no personnel or obstructions in the path of travel, including blind spots.
- BE AWARE of blind spots when operating the aerial platform.



Safety Precautions (Continued)
Know and understand the safety precautions before going on to next section.

- ENSURE ALL tires are in good condition and lug nuts are properly tightened.

- DO NOT use with improperly inflated/damaged tires or wheels. Refer to Section 2: Wheel/Tire Assembly.



- DO NOT exceed the rated capacity of the aerial platform.



- DO NOT distribute load unevenly.



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



- DO NOT use the aerial platform without guardrails, locking pins and the entry gate/chain/bar in place.



- DO NOT operate if aerial platform is not working properly or if any parts are damaged or worn.



- DO NOT leave aerial platform unattended with key in key switch.



- DO NOT use under influence of alcohol or drugs.



- DO NOT attempt to free a snagged platform with lower controls until personnel are removed from the platform.
- DO NOT position the aerial platform 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.
- STUNT driving and horseplay are prohibited.

Safety Precautions (Continued)
Know and understand the safety precautions before going on to next section.

Fall Protection

The guardrail system provides fall protection for the occupants. If additional fall protection is required, by an employer or the authority having jurisdiction, Skyjack recommends the use of a fall restraint system to keep an occupant within the confines of the platform, and thus not expose the occupant to any fall hazard requiring a fall arrest. When used, lanyards should only be attached to dedicated attachment points on the platform.

All personal fall protection equipment must comply with applicable governmental regulations and must be inspected and used in accordance with the manufacturer's recommendations.

All personal fall protection equipment must be attached only to approved anchorage points within the platform.

WARNING

Entering and exiting the aerial platform should only be done using the three points of contact.

- **Use only equipped access openings.**
- **Enter and exit only when the aerial platform is in the fully retracted position.**

- Do use three points of contact to enter and exit the platform. Enter and exit the platform from the ground only. Face the aerial platform when entering or exiting the platform.

- Three points of contact means that two hands and one foot or one hand and two feet are in contact with the aerial platform or the ground at all times during entering and exiting.

WARNING

An operator should not use any aerial platform that:

- **does not appear to be working properly.**
- **has been damaged or appears to have worn or missing parts.**
- **has alterations or modifications not approved by the manufacturer.**
- **has safety devices which have been altered or disabled.**
- **has been tagged or locked out for non-use or repair.**

Failure to avoid these hazards could result in death or serious injury.

Jobsite Inspection

- Do not use in hazardous locations.
- Perform a thorough jobsite inspection prior to operating the aerial platform, to identify potential hazards in your work area.
- Be aware of moving equipment in the area. Take appropriate actions to avoid collision.

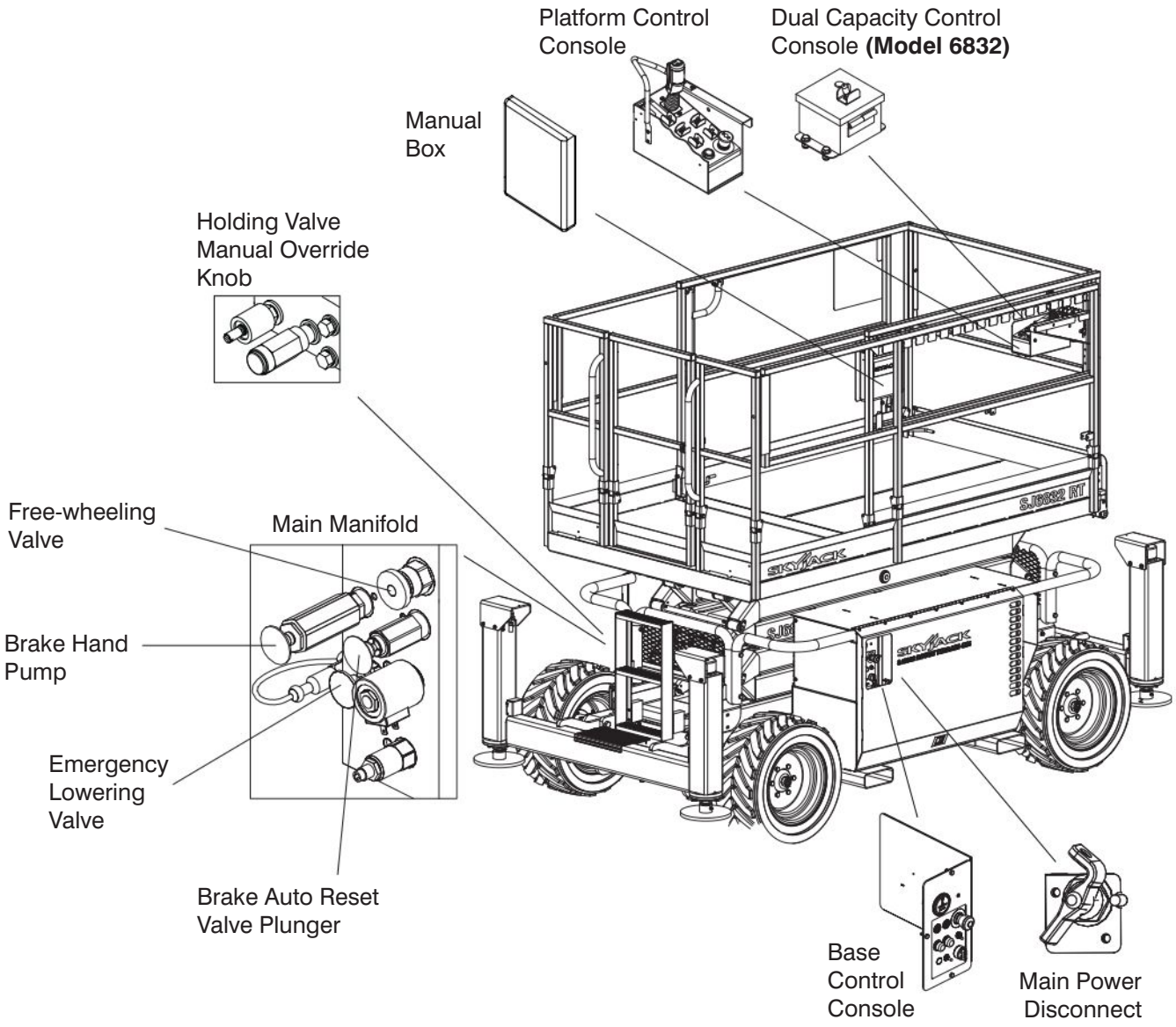
2.1 Familiarization of SJ68RT Series

WARNING

Aerial Platform Familiarization should be given only to individuals who are QUALIFIED And TRAINED to operate an aerial platform.

Do not operate this aerial platform without proper authorization and training. Failure to avoid this hazard could result in death or serious injury.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.



2.2 Component Identification

The following descriptions are for identification, explanation and locating purposes only.

2.2-1 Main Power Disconnect Switch

This switch is located at the left side of the engine compartment.

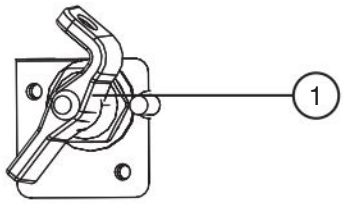


Figure 2-1. Main Power Disconnect Switch

1. **Main Power Disconnect Switch** - This switch, when in "◯" off position, disconnects power to all circuits. Switch must be in "|" on position to operate any circuit. Turn switch "◯" off when transporting aerial platform.

2.2-2 Motion Alarm

The alarm produces an audible sound when any control function is selected. On aerial platforms with certain options, a flashing amber light will accompany this alarm.

2.2-3 Tilt Alarm

The aerial platform is equipped with a device which senses when the aerial platform is out of level in any direction. When activated, it disables drive and lift functions of the aerial platform and an alarm produces an audible sound accompanied by the amber light. If the alarm sounds, lower the platform completely, then reposition aerial platform so that it is level before raising the platform.

NOTE

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

2.2-4 Load Sensing System

This system is a safety device that prevents any normal movement of the aerial platform from a stationary working condition after the rated load is reached and exceeded. Refer to Table 4.4 for maximum platform capacities.

- **When 90% of the rated load is reached:**
  The red power indicator light on the platform control console flashes.
- **When the rated load is reached:**
  An audible alarm sounds for approximately 2 seconds, 5 times per minute.
- **When the rated load is exceeded:**
  The flashing light and audible alarm continue and all electrically controlled aerial platform movement functions stop. To resume normal operation, remove the overload from the platform.
- **If the aerial platform during the operation comes in contact with an overhead obstruction:**
  The platform could become overloaded and all functions would stop. Release of the platform from this situation can only be effected by use of the emergency lowering system. Refer to Section 2.6.

NOTE

After reaching full extension and upon lowering, the aerial platform could stop and take an overload reading. Return the proportional controller to the neutral center position, and release the enable trigger switch. If the aerial platform is overloaded, the flashing light and audible alarm continue and all electrically controlled aerial platform movement functions stop. To resume normal operation, remove the overload from the platform.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.

2.2-5 Brake System

The brake system is located on the main manifold in the hydraulic/fuel compartment. The brakes must be manually disengaged before pushing, winching or towing. Refer to Section 2.5-2 for procedure on how to release the brakes manually. The system contains the following controls:

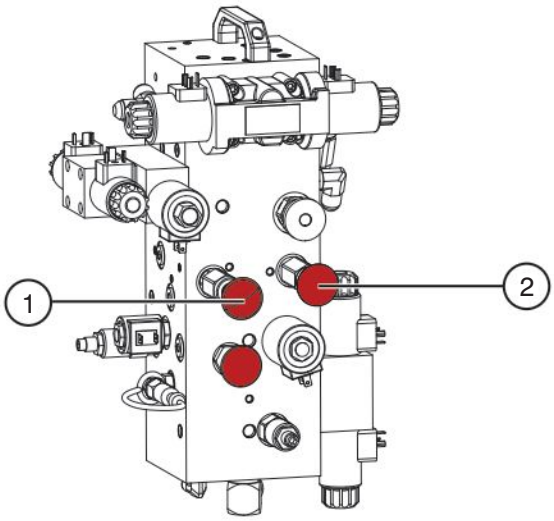


Figure 2-2. Brake System

1. Brake hand pump
2. Brake auto reset valve plunger

2.2-6 Emergency Lowering System

The emergency lowering system allows platform lowering in the event of an emergency or an electrical system failure. Refer to Section 2.6 for the emergency lowering procedure. The system contains the following controls:

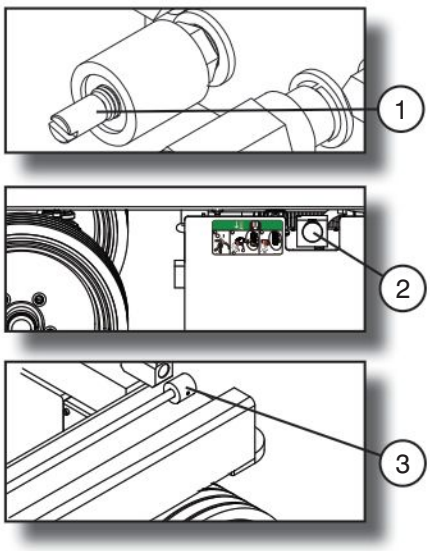


Figure 2-3. Emergency Lowering System

1. **Holding Valve Manual Override Knob** - Located on the holding valve at the bottom of each lift cylinder.

2. **Emergency Lowering Valve** - Located at the hydraulic/fuel compartment.

3. **Emergency Lowering Access Rod** - Located at the right side of the base.

2.2-7 Lowering Warning System

A lowering warning system automatically stops the lowering function before reaching the fully retracted position and sounds the alarm.

2.2-8 Free-wheeling Valve

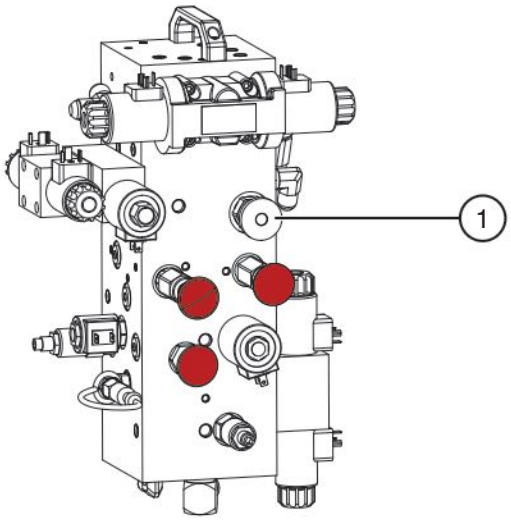


Figure 2-4. Free-wheeling Valve

1. **Free-wheeling Valve** - The free-wheeling valve is located on the main manifold in the hydraulic/fuel compartment. Refer to Section 2.5-1 for procedure on how to release the free-wheeling valve.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.

2.2-9 Base Control Console

The control console is located on the left side of the engine compartment. It contains the following controls:

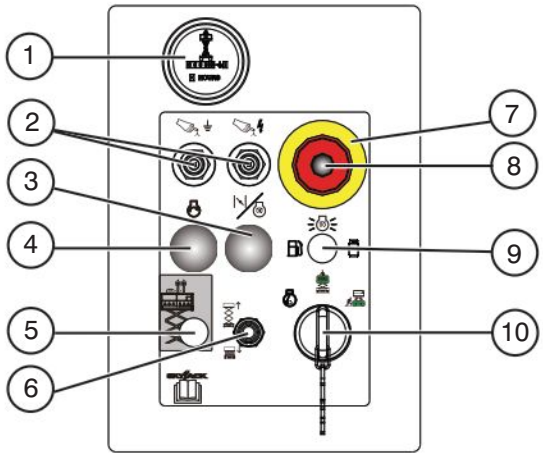


Figure 2-5. Base Control Console - Diesel

1. **Hourmeter** - This gauge records accumulated operating time of engine.

2. **Circuit Breakers** - In the event of a power overload or positive circuit grounding, the circuit breaker pops out. Push breaker back in to reset.

3. **Glow Plug Pushbutton (Diesel)** - This pushbutton switch energizes the glow plugs to aid in starting a cold diesel engine.

4. **Engine Start Pushbutton** - This pushbutton " " energizes the engine starter motor.

5. **Two Person Capacity Indicator Light (Model 6832)**- Indicates " " two person platform capacity has been selected. Full platform height is available.

6. **Platform Raise/Lower Switch** - This switch controls " " raising or " " lowering of platform.

7. **Emergency Stop Button** - This button " ", when depressed, disconnects power to control circuit and shuts engine off.

8. **Power Indicator Light** - When the emergency stop button on the base control console and on the platform control console are both pulled out, this light glows.

9. **Glow Plug Indicator Light (Diesel)** - This red lamp " " illuminates until the glow plugs have completed their timed heating cycle. When the lamp goes out, the engine is ready to be started.

10. **Platform/Engine/Base Key Switch** - This three-way selector switch allows the operator to select " " start position, to start engine in idle or to activate either the " " base or " " platform controls.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.

2.2-10 Platform Control Console

This removable control console is mounted at the right front of the platform. It contains the following controls:

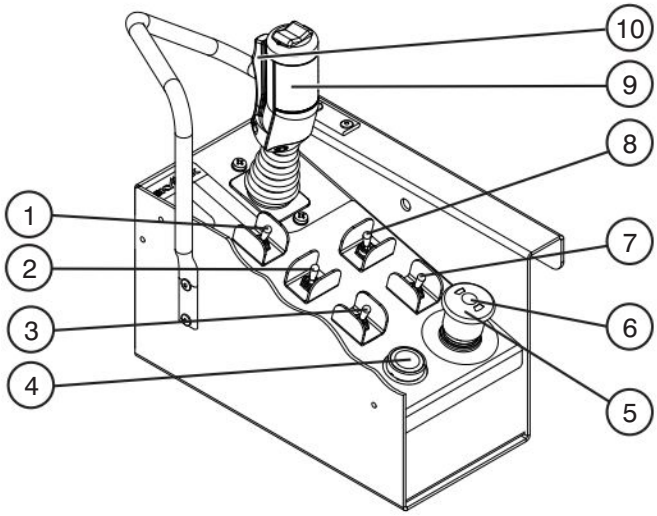


Figure 2-6. Platform Control Console

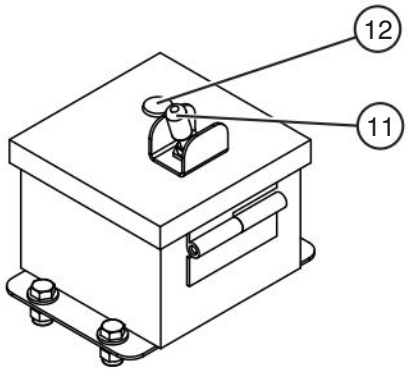


Figure 2-7. Dual Capacity Control Console (Model 6832)

1. **Torque Switch** - This selector switch, when in "" low speed position, it allows drive functions to operate at low speed and maximum torque when climbing grades and on rough terrain. When in "" high speed position, it allows drive functions to operate at high speed with minimum torque.

2. **Lift/Drive Switch** - Selecting "" lift position energizes the lift circuit. Selecting "" drive position energizes the drive circuit.

3. **Engine Start Switch** - This "" switch energizes the engine starter motor.

NOTE

The engine start switch is interlocked with the oil pressure switch. If engine stalls or does not start immediately, this button will not work for a few seconds while oil pressure bleeds off.

4. **Horn Pushbutton** - This "" pushbutton sounds an automotive-type horn.

5. **Emergency Stop Button** - This button "", when depressed, disconnects power to the control circuit.

6. **Power Indicator Light** - This light glows when " " platform is selected from the platform/engine/base key switch on the base control console. It also glows when both emergency stop buttons on the platform control console and the base control console are pulled out. When the light is flashing, it signals an overload function. Refer to Section 2.2-4.

7. **Glow Plug Switch (Diesel)** - This switch energizes the "" glow plugs to aid in starting a cold diesel engine.

8. **Low/High Throttle Switch** - This switch allows selection between " " low and " " high engine throttle speeds.

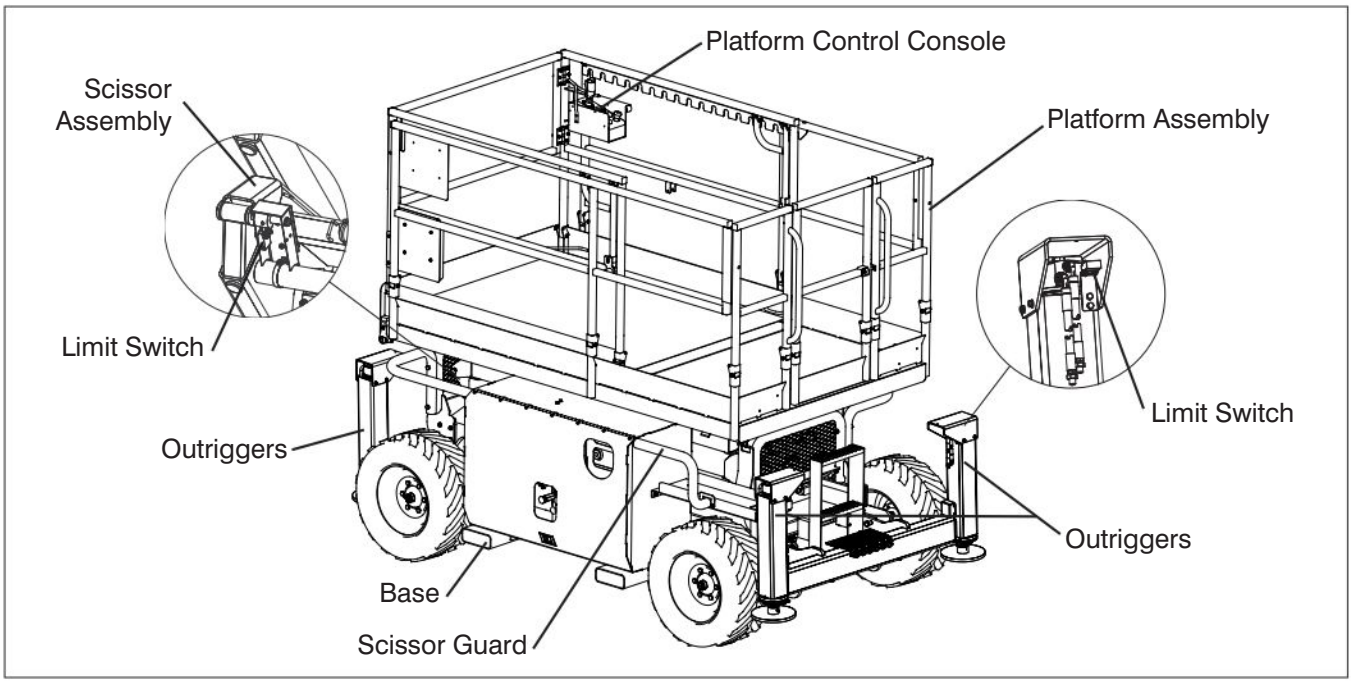
9. **Lift/Drive/Steer Controller** - This one-hand lever controls lift/drive and steer motions. Internal springs return it to neutral when controller is released. The rocker switch on top of controller handle controls steering function.

10. **Lift/Drive/Steer Enable Trigger Switch** - This momentary "" switch energizes the controller. It must be held depressed continuously while engaging either the lift/drive or steer functions.

11. **Platform Capacity Selector Switch (Model 6832)**- This two position switch allows the operator to select either a "" two person or "" four person platform capacity. With two person position selected, range of platform height is unrestricted. With four person position selected, range of platform height is restricted.

12. **Two Person Capacity Indicator Light (Model 6832)** - Indicates "" two person platform capacity has been selected. Full platform height is available.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.



2.3 Visual & Daily Maintenance Inspections

Begin the visual and daily maintenance inspections by checking each item in sequence for the conditions listed in this section.

WARNING

To avoid injury, do not operate an aerial platform until all malfunctions have been corrected.

WARNING

To avoid possible injury, ensure aerial platform power is off during your visual and daily maintenance inspections.

CAUTION

Ensure aerial platform is on a firm, level surface.

NOTE

While doing visual and daily inspections in different areas, be aware to also inspect limit switches, electrical and hydraulic components.

2.3-1 Labels

Refer to Section 5 - Labels in this manual and determine that all labels are in place and are legible.

2.3-2 Electrical

Maintaining the electrical components is essential to good performance and service life of the aerial platform.

Inspect the following areas for chafed, corroded and loose wires:

- base to platform cables and wiring harness
- engine compartment electrical panel
- engine wiring harness
- hydraulic/electrical wiring harnesses

2.3-3 Limit Switches

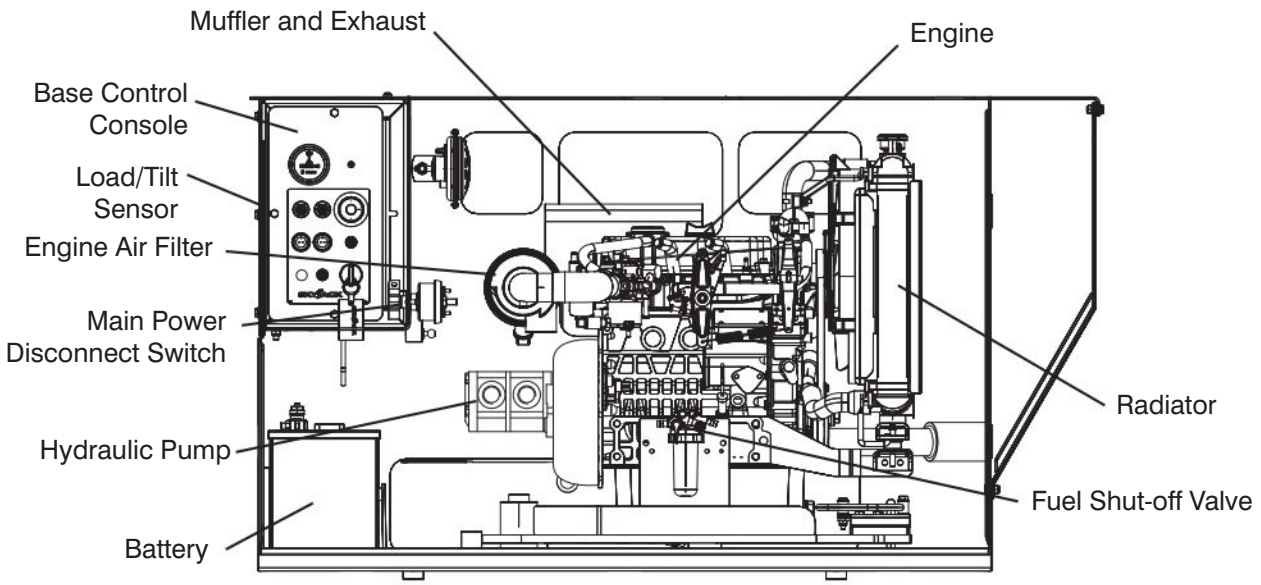
Ensure limit switches are properly secured with no signs of visible damage and movement is not obstructed.

2.3-4 Hydraulic

Maintaining the hydraulic components is essential to good performance and service life of the aerial platform.

Perform a visual inspection around the following areas:

- hydraulic tank filter, fittings, hoses, emergency power unit (if equipped) and base surfaces
- engine compartment fittings, hoses, main pump, and filter
- all hydraulic cylinders
- all hydraulic manifolds
- the underside of the base
- ground area under the aerial platform
- outriggers (if equipped)



2.3-5 Engine Compartment

- Ensure compartment latch is secure and in proper working order.

- Main Power Disconnect Switch
  - Turn main power disconnect switch to "◯" off position.
  - Ensure all cables are secure and switch is in proper working condition.

- Base Control Switches
  - Ensure there are no signs of visible damage and all switches are in their neutral positions.

- Load/Tilt Sensor
  - Ensure load/tilt sensor is properly secure and there is no visible damage.

- Battery

  Proper battery condition is essential to good performance and operational safety. Improper fluid levels or damaged cables and connections can result in component damage and hazardous conditions.

WARNING

Explosion hazard. Keep flames and sparks away. Do not smoke near batteries.



WARNING

Battery acid is extremely corrosive - Wear proper eye and facial protection as well as appropriate protective clothing. If contact occurs, immediately flush with cold water and seek medical attention.

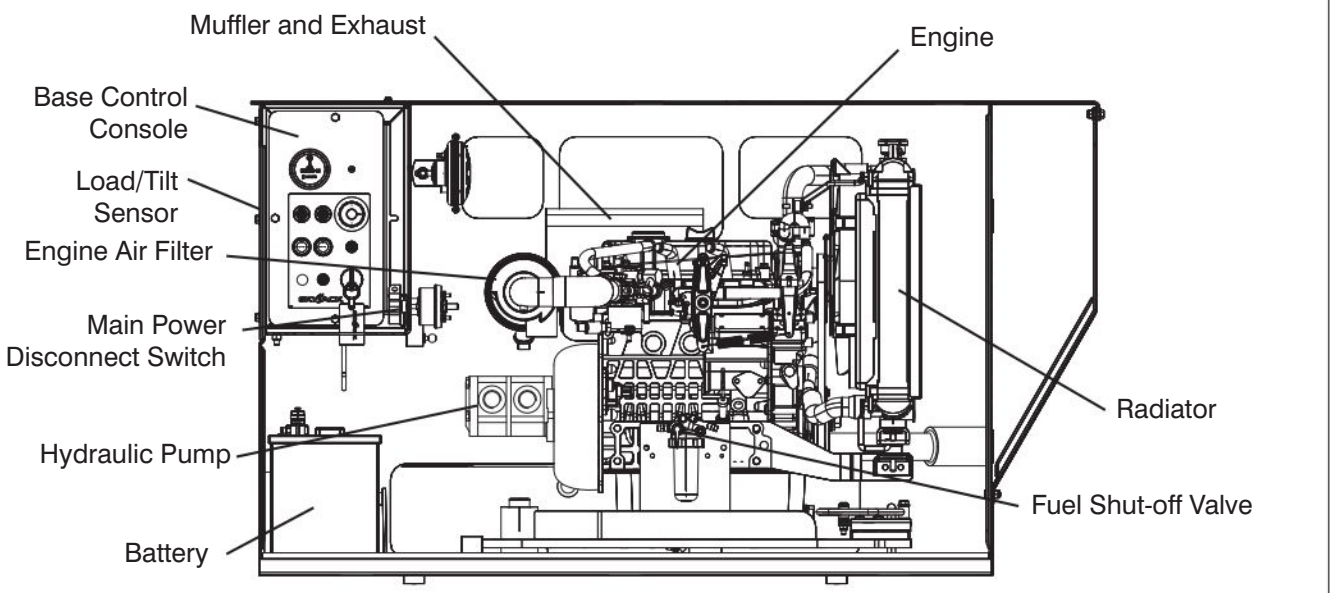
1. Check battery case for damage.
2. Clean battery terminals and cable ends thoroughly with a terminal cleaning tool or wire brush.
3. Ensure all battery connections are tight.
4. If applicable, check battery fluid level. If plates are not covered by at least 13 mm of solution, add distilled or demineralized water.
5. Replace battery if damaged or incapable of holding a lasting charge.

WARNING

Use original or manufacturer-approved parts and components for the aerial platform.

- Hydraulic Pump
  - Ensure there are no loose or missing parts and there is no visible damage.

FAMILIARIZATION



- Ensure all bolts are properly tightened.
- Ensure all fittings and hoses are properly tightened and there is no evidence of hydraulic leakage.

- Radiator
  - Ensure radiator is secure.
  - Ensure there are no loose or missing parts and there is no visible damage.
  - Check coolant level and add as needed.

- Muffler and Exhaust
  - Ensure muffler and exhaust system are properly secured, with no evidence of damage.

- Engine Pivot Tray
  - Ensure there are no loose or missing parts and no visible damage to the engine pivot tray. Ensure that both tray-securing bolts are in place.

- Engine Oil Level
  - Maintaining the engine components is essential to good performance and service life of the aerial platform.

WARNING

Beware of hot engine components.

Check oil level on dipstick
- Oil level should be in the “safe” zone. Add oil as needed.

- Fuel Shut-off Valve
  - Ensure there are no loose or missing parts and there is no visible damage.

- Engine Air Filter
  - Ensure there are no loose or missing parts and there is no visible damage.

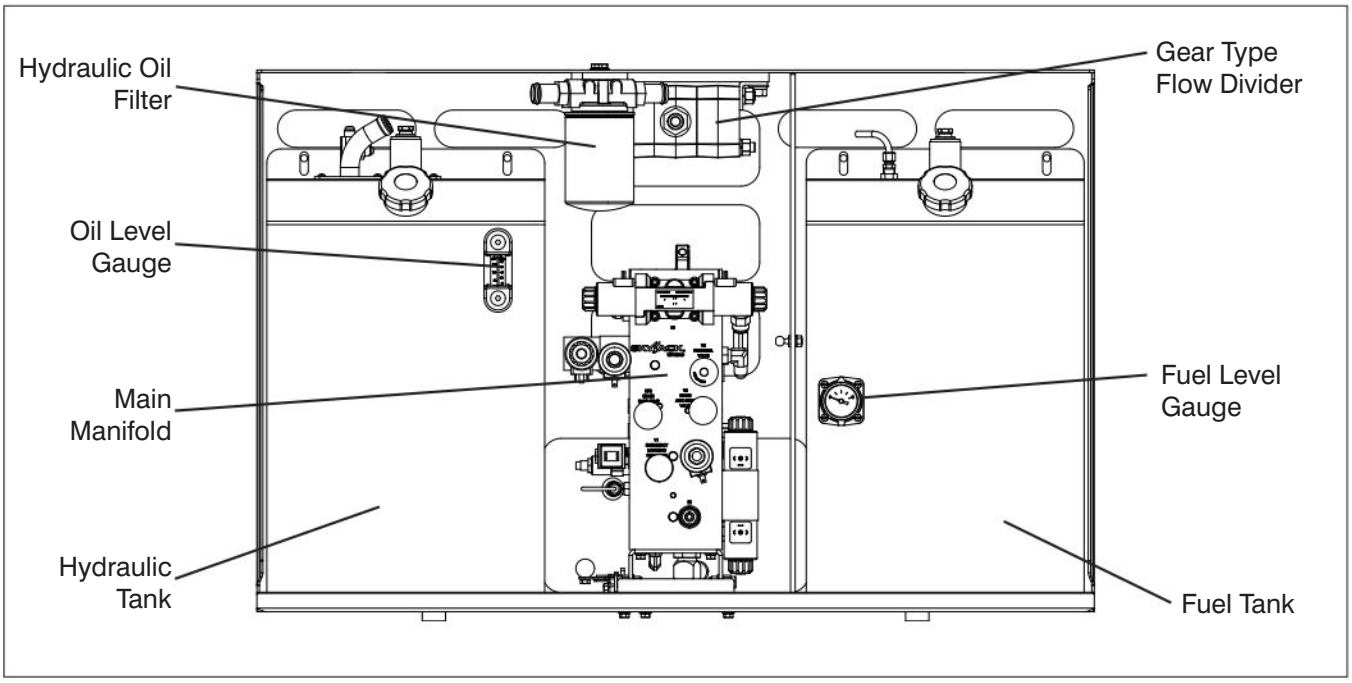
- Fuel Leaks

Failure to detect and correct fuel leaks will result in an unsafe condition. An explosion or fuel fire may cause death or serious injury.

DANGER

Engine fuels are combustible. Inspect the aerial platform in an open, well-ventilated area away from heaters, sparks and flames. Always have an approved fire extinguisher within easy reach.

Perform a visual inspection around the following areas:
- hoses and fittings
- fuel pump
- fuel filter



2.3-6 Hydraulic/Fuel Compartment

- Ensure compartment latch is secure and in proper working order.

- Hydraulic Tank
  - Ensure hydraulic filler cap is secure.
  - Ensure tank shows no visible damage and no evidence of hydraulic leakage.
- Hydraulic Oil
  - Ensure platform is fully lowered, and then visually inspect the sight gauge located on the side of the hydraulic oil tank.
  - The hydraulic oil level should be at or slightly above the top mark of the sight glass.
- Hydraulic Return Filter
  - Ensure filter element is secure.
  - Ensure there are no signs of leakage or visible damage.
- Fuel Tank

IMPORTANT

Before using your aerial platform ensure there is enough fuel for expected use.

  - Ensure fuel filler cap is secure.
  - Ensure tank shows no visible damage and no evidence of fuel leakage.
- Fuel Leaks

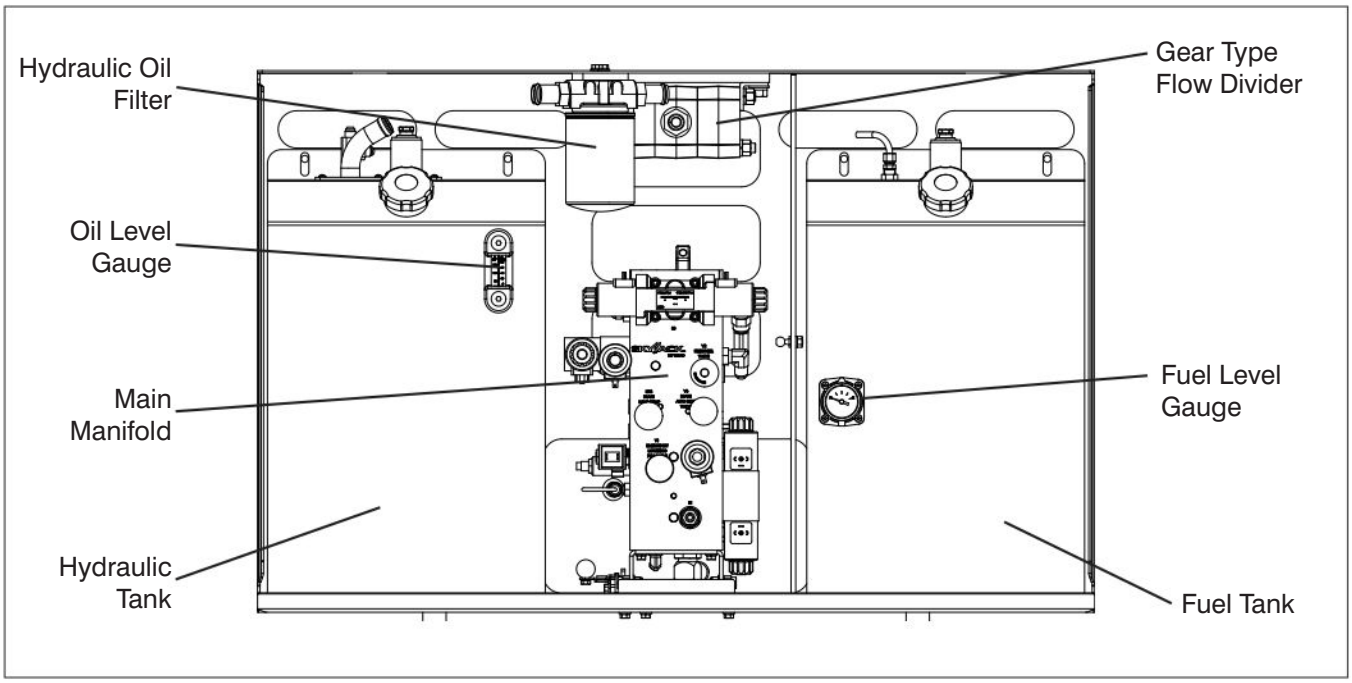
Failure to detect and correct fuel leaks will result in an unsafe condition. An explosion or fuel fire may cause death or serious injury.

DANGER

Engine fuels are combustible. Inspect the aerial platform in an open, well-ventilated area away from heaters, sparks and flames. Always have an approved fire extinguisher within easy reach.

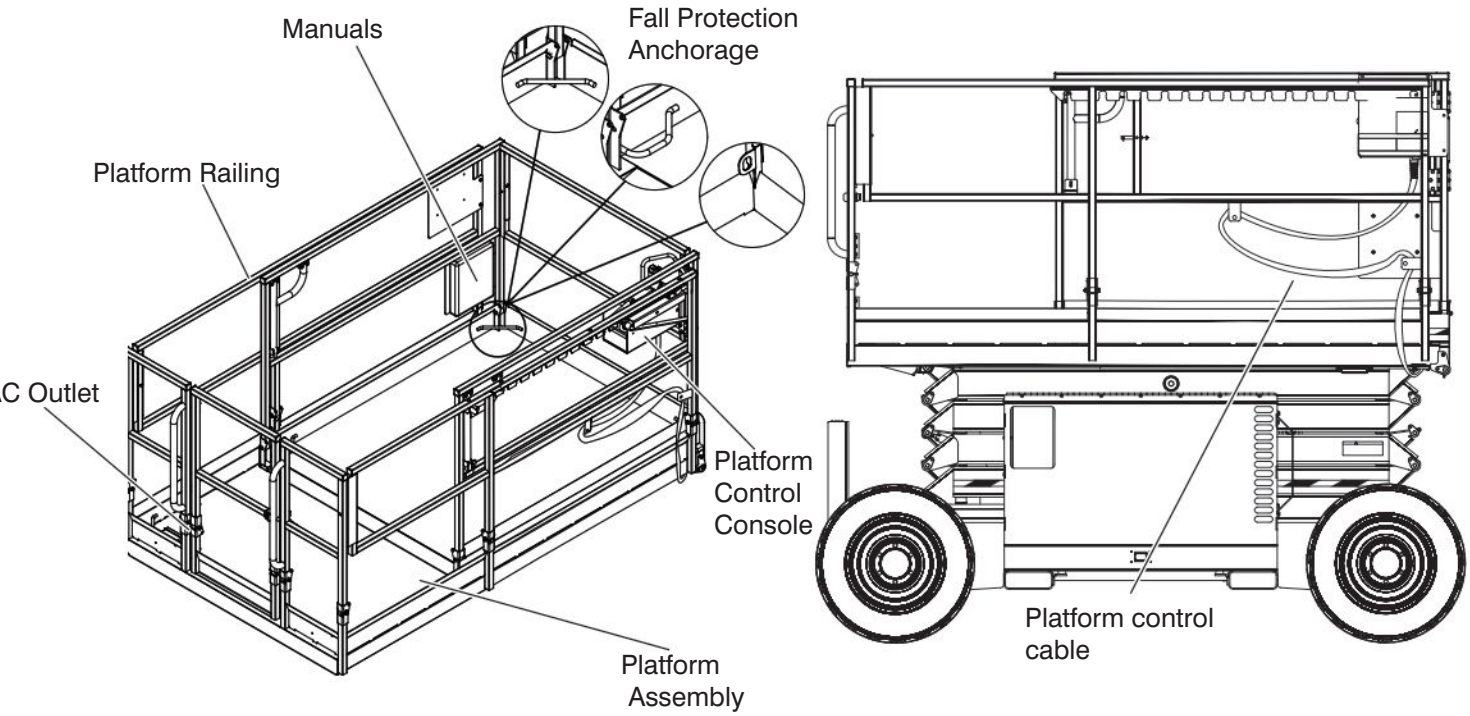
Perform a visual inspection around the following areas:

- fuel tank
- hoses and fittings



- Main Manifold
  - Ensure all fittings and hoses are properly tightened and there is no evidence of hydraulic leakage. Pull and tilt main manifold to check thoroughly.
  - Ensure there are no loose wires or missing fasteners.
  - Restore to original position.
- Gear Type Flow Divider
  - Ensure there are no loose or missing parts and there is no visible damage.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.



2.3-7 Platform Assembly

WARNING

Ensure that you maintain three points of contact to mount/dismount platform.

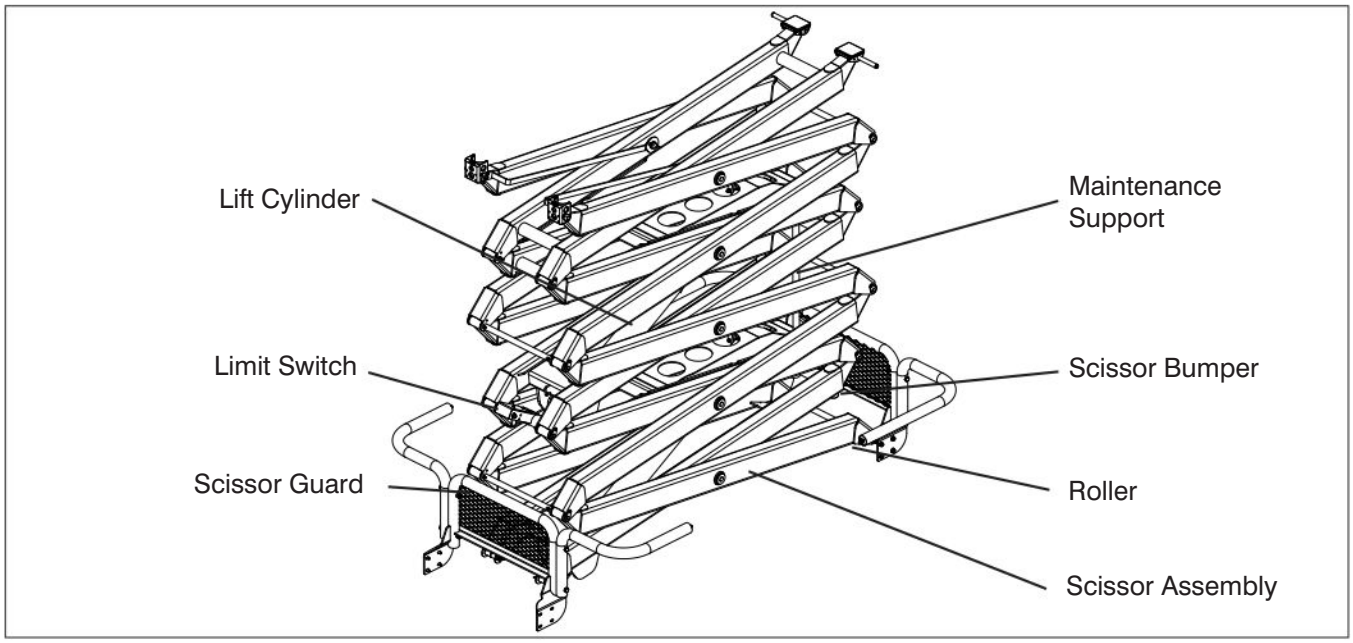
1. Use the ladder of aerial platform to access platform.
2. Close the gate.
   - Ensure there are no loose or missing parts and there is no visible damage.
   - Ensure all fasteners are securely in place.
   - Ensure all railings are properly positioned and secured.
   - Ensure gate is in good working order.

- Fall Protection Anchorage(s)
  - Ensure anchorage(s) are secure and there is no visible damage.
- AC Outlet on Platform
  - Ensure outlet has no visible damage and free from dirt or obstructions.
- Manuals
  Ensure a copy of operating manual and CE certificate are enclosed in manual storage box.
  - Check to be sure manual storage box is present and in good condition.
  - Ensure manuals are legible and in good condition.
  - Always return manuals to the manual storage box after use.
- Platform Control Console
  - Ensure all switches and controller are returned to neutral and are properly secured.
  - Ensure there are no loose or missing parts and there is no visible damage.
  - Ensure the platform control cable or additional cables are correctly routed.

WARNING

Ensure that you maintain three points of contact to mount/dismount platform.

3. Use the ladder to dismount from platform.



2.3-8 Lifting Mechanism

1. Raise the platform (refer to Section 3.8-4) until there is adequate clearance to swing down the maintenance support (refer to Section 3.12).

- Maintenance Support
  - Ensure maintenance support is properly secured and shows no visible damage.
- Scissor Assembly
  - Ensure scissor assembly shows no visible damage and no signs of deformation in weldments.
  - Make sure all the pins and fasteners are correctly installed, including the connections to the base and platform.
  - Ensure cables and wires are properly routed and shows no signs of wear and/or physical damage.
- Scissor Bumpers
  - Ensure bumpers are secure and shows no sign of visible damage.
- Rollers
  - Ensure rollers are secure and there is no visible damage.
  - Ensure rollers' path of travel are free from dirt and obstructions.
- Lift Cylinder(s)
  - Ensure each lift cylinder is properly secured, there are no loose or missing parts and there is no evidence of damage.
  - Ensure all fittings and hoses are properly tightened and there is no evidence of hydraulic leakage.

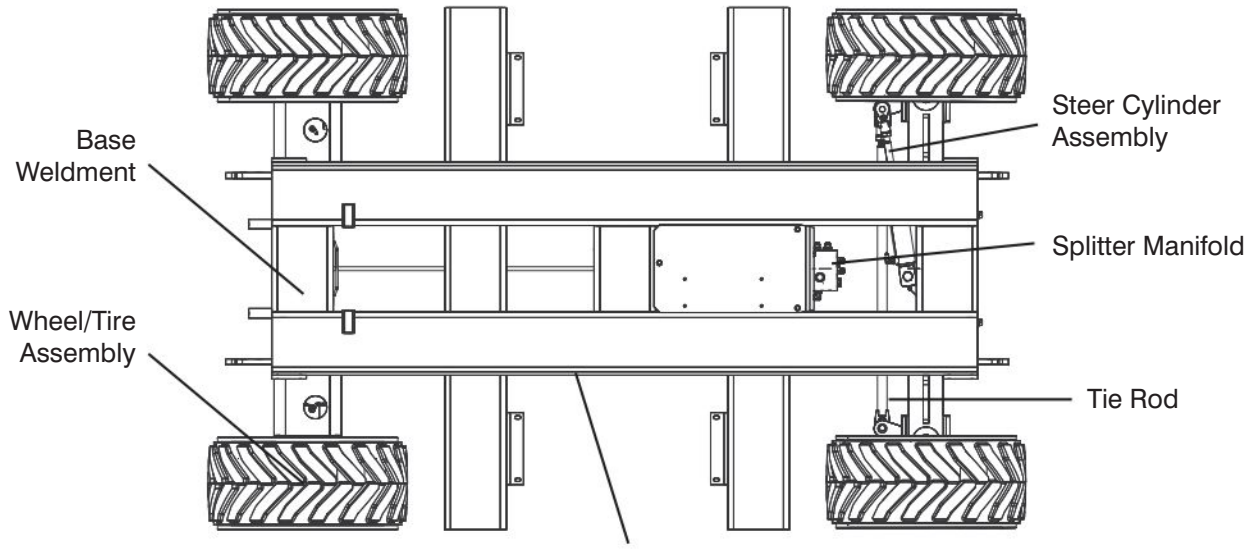
2. Raise the platform until there is adequate clearance to swing up the maintenance support into storage bracket. Refer to Section 3.12.

3. Fully lower the platform.

- Scissor Guards
  - Ensure there are no loose or missing parts and there is no visible damage.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.

Overhead View



2.3-9 Base

- Base Weldment
  - Ensure there are no visible cracks in welds or structure and there are no signs of deformation.
- Wheel/Tire Assembly
  The aerial platform is equipped with foam-filled tires. Tire and/or wheel failure could result in an aerial platform tipover. Component damage may also result if problems are not discovered and repaired in a timely fashion.

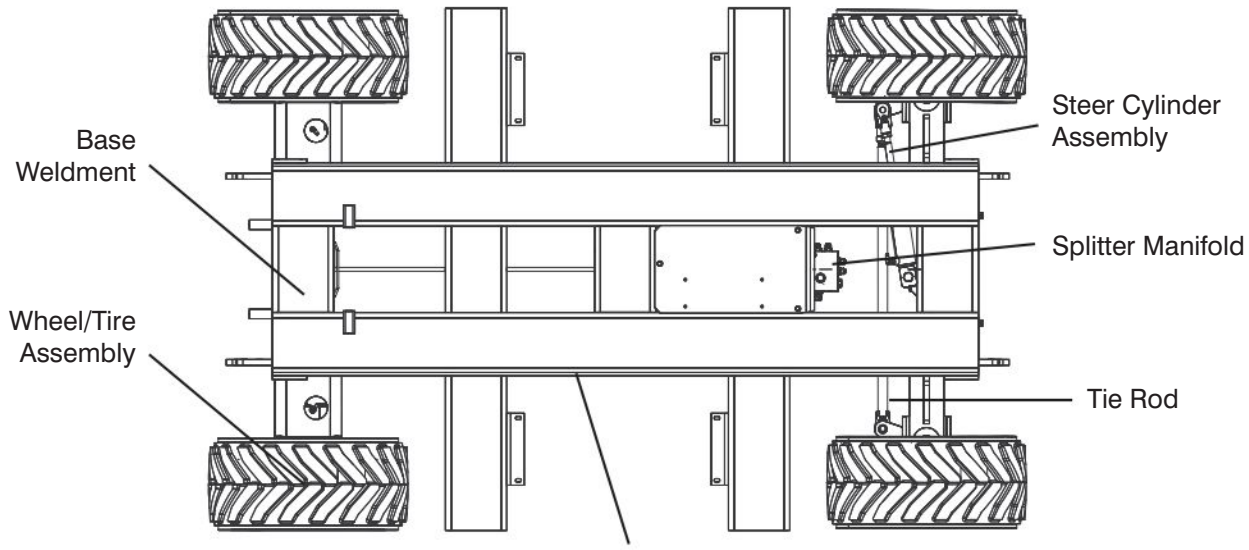
Refer to Table 4.2 for wheel/tire specifications.

WARNING

Intermixing tires of different types or using tires of types other than those originally supplied with this equipment can adversely affect stability. Therefore, replace tires only with the exact Skyjack-approved type. Failure to operate with matched approved tires in good condition may result in death or serious injury.

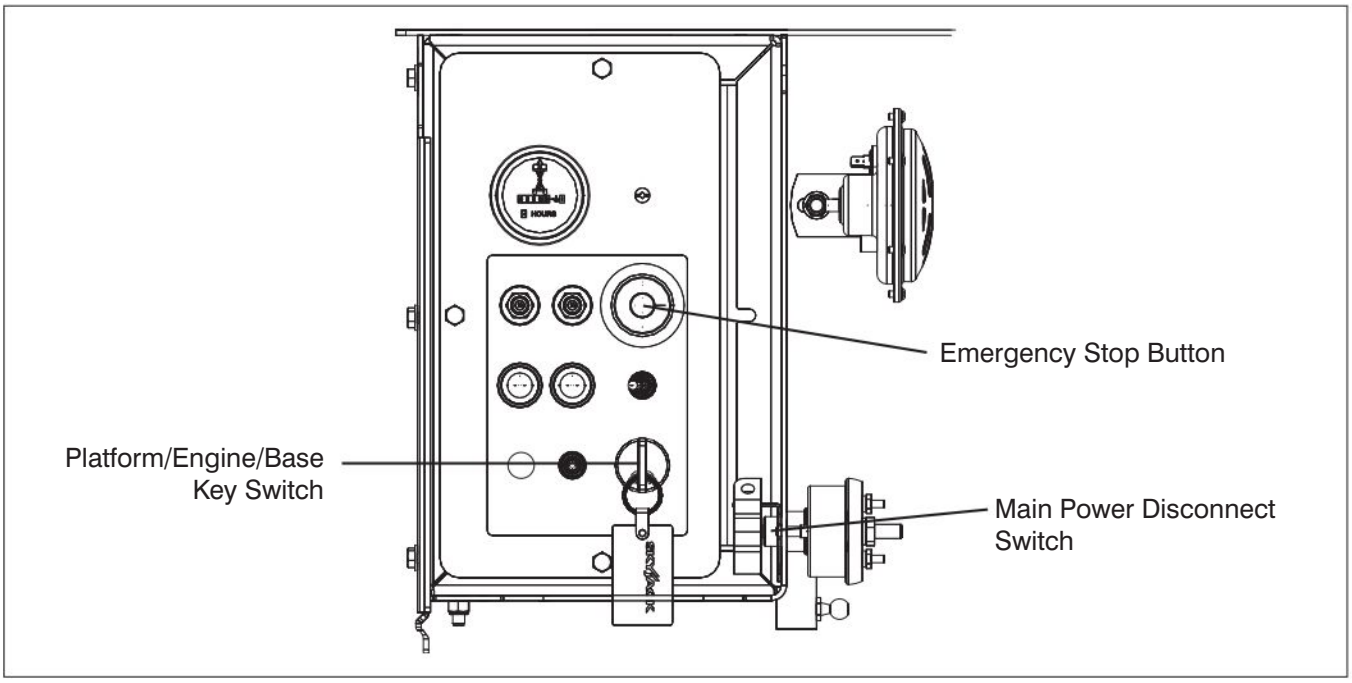
- Check all tire treads and sidewalls for cuts, cracks, punctures and unusual wear.
- Check each wheel for damage and cracked welds.
- Check each lug nut for proper torque to ensure none are loose.
- Check wheel motor assembly for loose or missing parts and signs of visible damage (If equipped).
- Ensure wheels are aligned and true vertically and horizontally.

Overhead View



- Steer Cylinder Assembly
  - Ensure steer cylinder assembly is properly secured, there are no loose or missing parts, all fittings and hoses are properly tightened and there is no evidence of hydraulic leakage.
- Splitter Manifold
  - Ensure all fittings and hoses are properly tightened and there is no evidence of hydraulic leakage.
- Tie Rod
  - Ensure there are no loose or missing parts, tie rod end studs are locked and there is no visible damage.
- Emergency Lowering Access Rod
  - Ensure rod is properly secured and there is no visible damage.
- Ladder
  - Ensure there are no loose or missing parts and there is no visible damage.
- Outriggers (If Equipped)
  - Ensure there are no loose or missing parts and there is no visible damage.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.



2.4 Function Tests

Function tests are designed to discover any malfunctions before aerial platform is put into service. The operator must understand and follow step-by-step instructions to test all aerial platform functions.

IMPORTANT

Never use a malfunctioning aerial platform. If malfunctions are discovered, aerial platform must be tagged and placed out of service. Repairs to aerial platform may only be made by a qualified service technician.

After repairs are completed, operator must perform a pre-operation inspection and a series of function tests again before putting aerial platform into service.

Prior to performing function tests, be sure to read and understand Section 3.8 - Start Operation.

2.4-1 Test Main Power Disconnect Switch

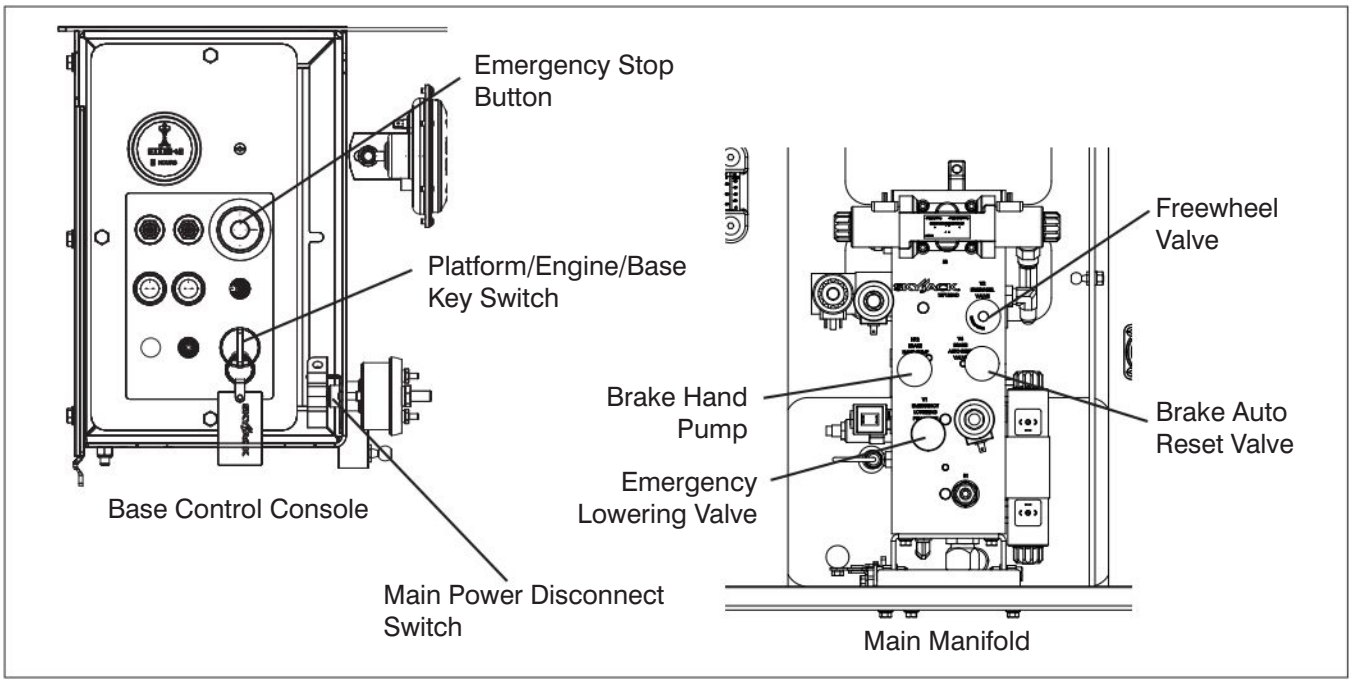
1. In engine compartment, turn main power disconnect switch to "◯" off position.
   Result: Aerial platform functions should not operate.

2.4-2 Base Control Console

WARNING

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

1. Use the ladder of aerial platform to access platform.
2. Close the gate.
3. On platform control console, pull out "🔴" emergency stop button.
4. Select low/high throttle switch to "🐢" low throttle position.
5. Use the ladder to dismount from platform.
6. Turn main power disconnect switch to "I"on position.



- Test Platform/Engine/Base Key Switch

WARNING

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

1. Pull out base "" emergency stop button.
2. Insert key into platform/engine/base key switch, select "" engine position and attempt to start engine.
   Result: Engine should not start.
3. With key inserted into platform/engine/base key switch, select "" base position and attempt to start engine.
   Result: Engine should start.

- Test Emergency Stop

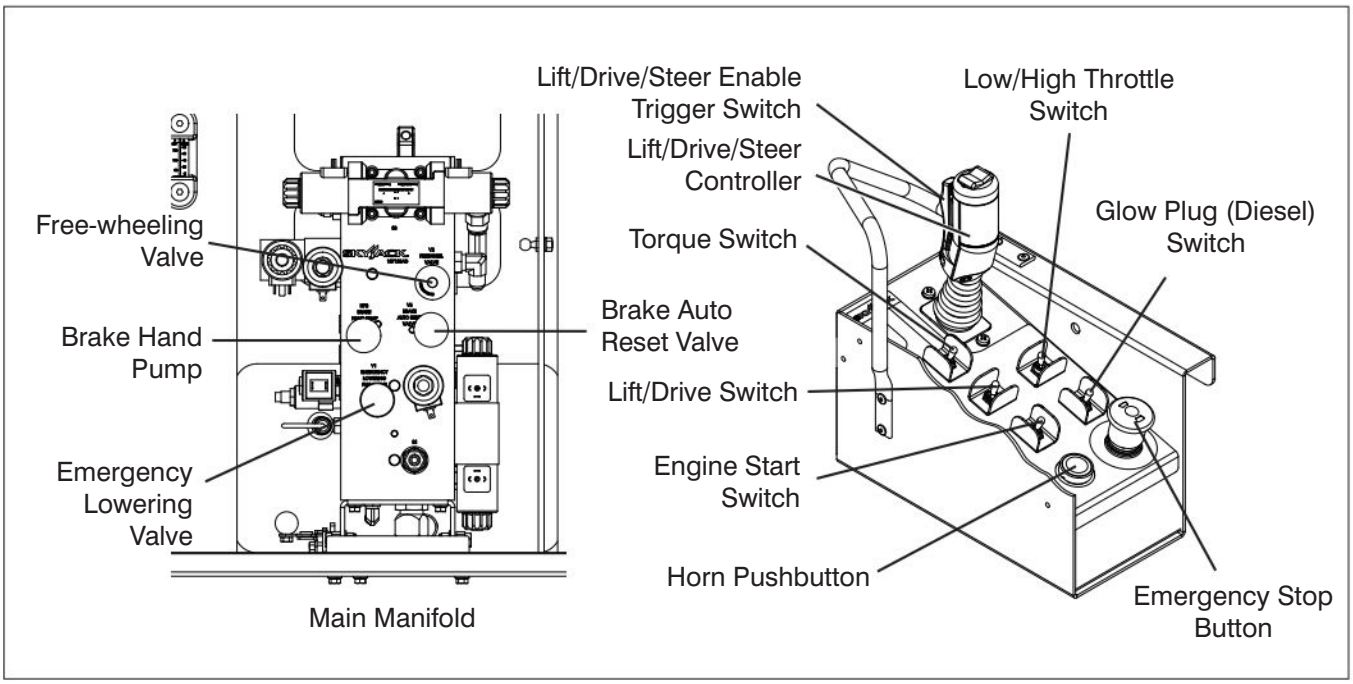
1. Push in "" emergency stop button.
   Result: Engine should shut down and aerial platform functions should not operate.
2. Pull out "" emergency stop button and restart engine.

- Test Platform Raise/Lower Switch

1. Select platform/engine/base key switch to "" base position and raise or lower the platform with platform "" raise or "" lower switch.
   Result: Platform raising and lowering functions should operate.

- Test Emergency Lowering

1. Raise the platform.
2. Locate holding valve manual override knob at the base of each lift cylinder. Depress and turn counterclockwise. If necessary, use access rod that is located on the base of the aerial platform.
3. On hydraulic/fuel compartment, pull out and hold emergency lowering valve to fully lower the platform.
   Result: The platform should lower.
4. To restore normal operation, depress and turn holding valve manual override knobs clockwise.



- Test Free-wheeling

1. Ensure path of intended motion is clear.
2. Release the brake manually (refer to Section 2.5-2).
3. Turn free-wheeling valve knob counterclockwise to a fully opened position and attempt to push/pull the aerial platform.
   Result: Aerial platform should move.
4. Turn free-wheeling valve knob clockwise to a fully closed position for normal operation.
5. Reengage the brake (refer to Section 2.5-2).

2.4-3 Platform Control Console

1. Ensure base "" emergency stop button is pulled out.
2. Ensure main power disconnect switch is in "|" on position.
3. Select platform/engine/base key switch to "" platform position and remove key.

WARNING

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

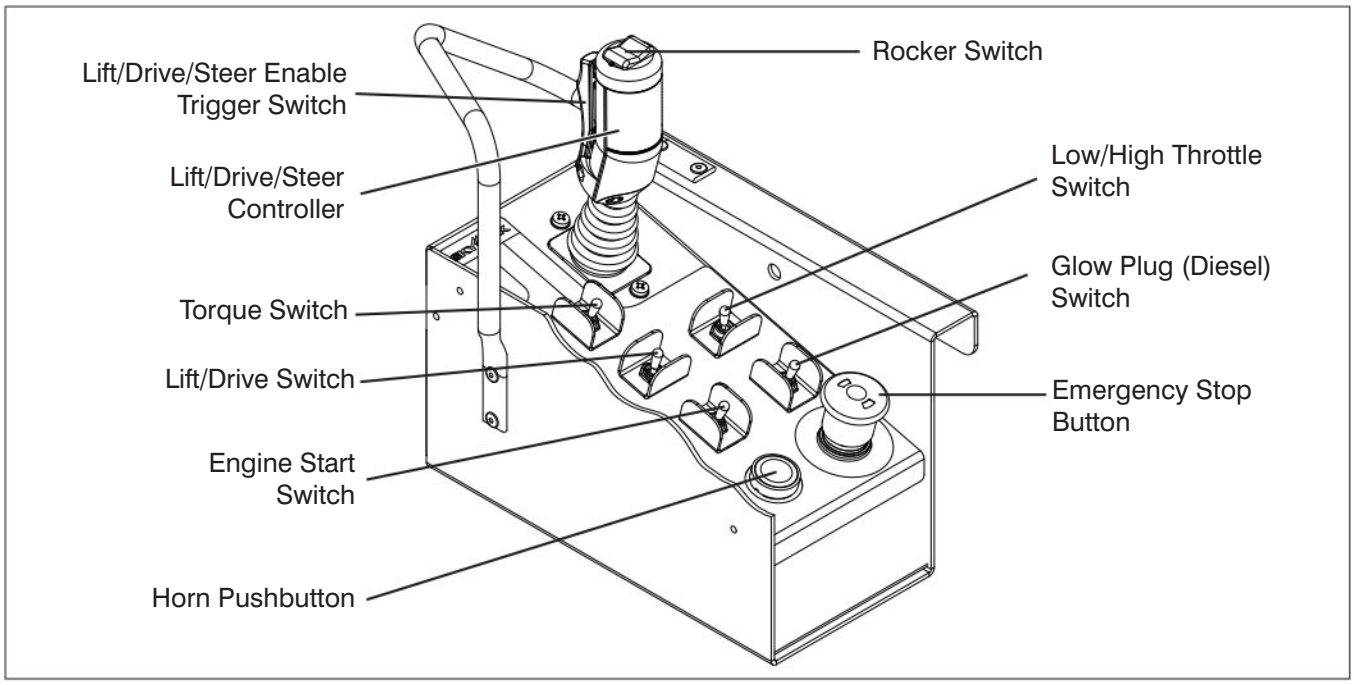
4. Use the ladder of aerial platform to access platform.
5. Close the gate.
6. On platform control console, pull out "" emergency stop button.

- Test Emergency Stop

1. Ensure engine is running.
2. Push in "" emergency stop button.
   Result: Engine should shut down and aerial platform functions should not operate.

- Test Enable Trigger Switch

1. Ensure engine is running.
2. Without activating "" enable trigger switch, attempt to activate any platform function.
   Result: All platform functions should not operate.



- Test Platform Raising/Lowering

WARNING

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

1. Select lift/drive switch to "↕" lift position.
2. Activate and hold "" enable trigger switch.
3. Push or pull controller handle until desired height is reached.
   Result: Platform raising and lowering functions should operate.

- Test Lowering Warning

1. Raise the platform until approximately a height of 3 to 4 meters is reached then attempt to fully lower the platform.
   Result: Platform should stop lowering at a height of 2.5 meters high and an alarm should sound.
2. Release controller handle, ensure area around scissor is clear, then continue lowering the platform.

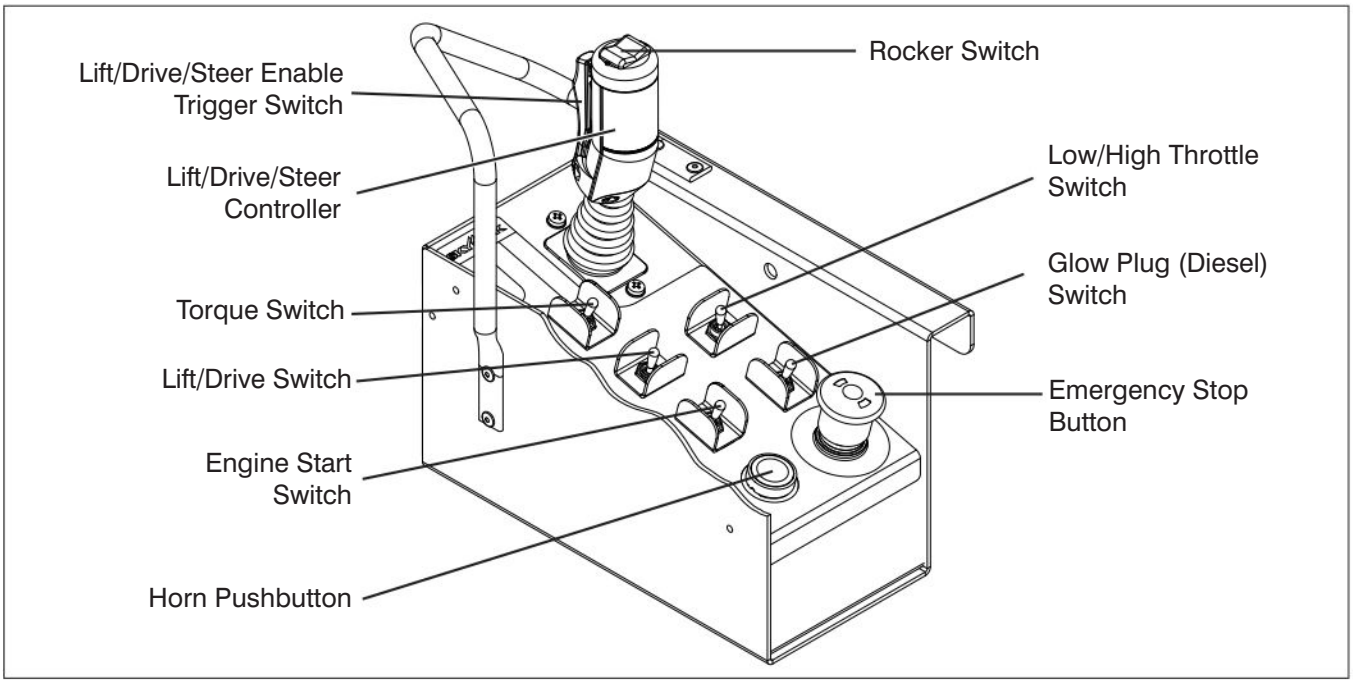
- Test Steering

1. Ensure engine is running.
2. Press rocker switch on top of controller to "" left and "" right.
   Result: Steer wheels should turn left and right.

- Test Driving

1. Ensure path of intended motion is clear.
2. On platform control console, select lift/drive switch to "" drive position.
3. Activate and hold ""enable trigger switch.
4. Slowly move controller in "" forward or "" reverse direction until aerial platform begins to move, and then return handle to center position.
   Result: Aerial platform should move in forward or reverse direction, and then come to a stop.

FAMILIARIZATION



- Test Speed Limit

WARNING

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

1. Ensure path of intended motion is clear.
2. Raise the platform until approximately a height of 2 meters is reached and attempt to drive forward or reverse.
   Result: Aerial platform should move slower than when it is in stowed position.

- Test Brakes

WARNING

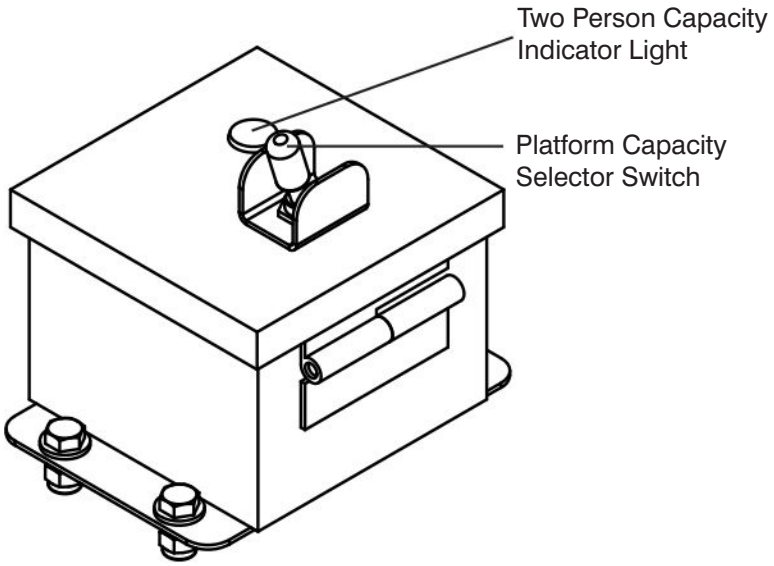
Brakes will engage instantly when you release the controller handle, causing aerial platform to stop immediately.

1. Ensure path of intended motion is clear.
2. Activate and hold "" enable trigger switch.
3. Drive aerial platform "" forward. Test brake by releasing controller handle.
   Result: Aerial platform should come to a stop. If aerial platform pulls to one side while stopping, do not operate aerial platform until brake adjustments have been checked.
4. Drive aerial platform "" forward. Test brake again by releasing "" enable trigger switch only.
   Result: Aerial platform should come to an instant and abrupt stop. If aerial platform does not stop immediately, or if aerial platform pulls to one side while stopping, do not operate aerial platform until brake adjustments have been checked.

- Test Horn

1. Push "" horn pushbutton.
   Result: Horn should sound.

Dual Capacity Control Console (Model 6832)



- Test Platform Capacity Selector Switch (Model 6832)

1. Lift and select "" two person platform capacity from platform capacity selector switch.
   Result: Two person capacity indicator lights on both base and platform control consoles should illuminate.

2. Lift and select "" four person platform capacity from platform capacity selector switch.
   Result: Two person capacity indicator lights on both base and platform control consoles should turn off.

WARNING

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

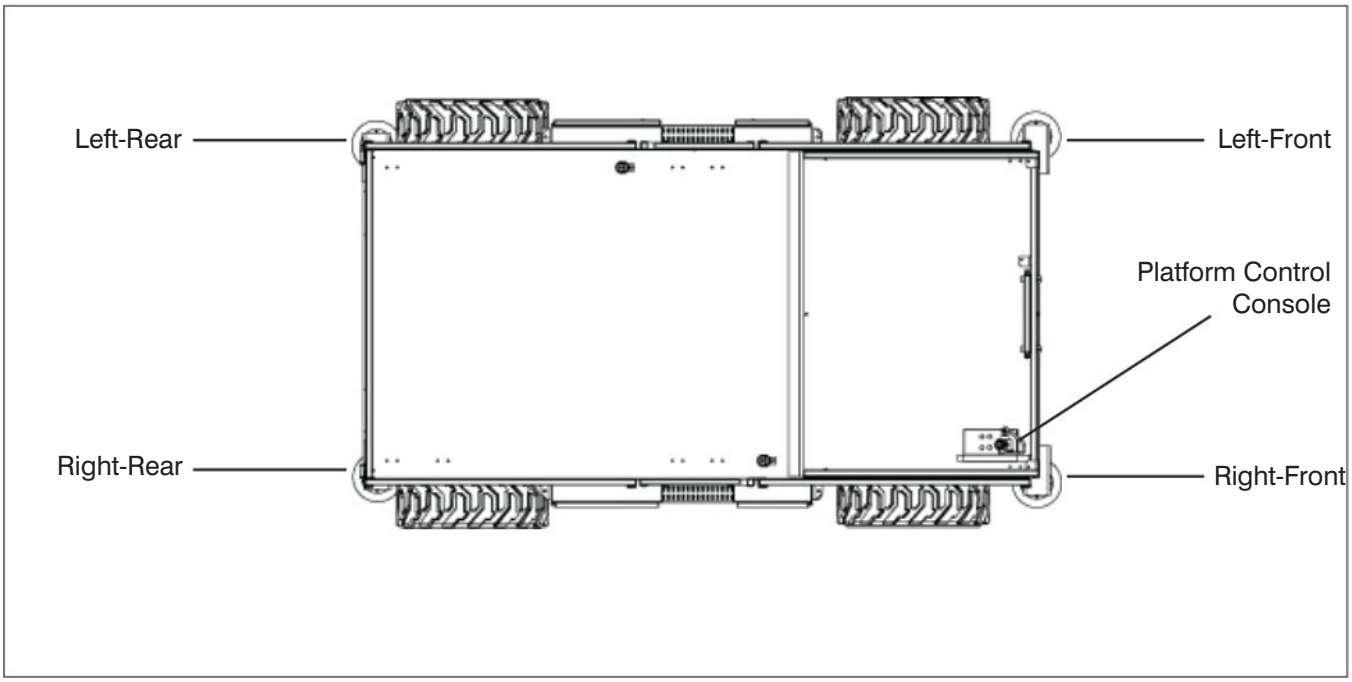
3. Attempt to fully "" lift platform.
   Result: Platform should stop elevating at 7.9 m.

4. Lift and select "" two person platform capacity from platform capacity selector switch.
   Result: Two person capacity indicator lights on both base and platform control consoles should illuminate.

5. Attempt to fully "" lift platform.
   Result: Platform should stop elevating at full platform height (9.7 m).

6. Fully "" lower the platform.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.



- Test Hydraulic Outriggers (If Equipped) (For Hydraulic Outrigger Operation, refer to Section 3.8-9)

1. Ensure aerial platform is parked on a firm, level surface and free from obstructions.
2. Ensure platform is fully lowered.
3. Ensure outriggers are fully retracted.
4. Auto-level (If equipped):
   Use auto-level to extend outriggers.
   Result: All four outriggers will extend until they are supporting weight and bring machine to within level.
5. Once auto-level is complete, attempt to lift platform 1 foot and then lower the platform to stowed position.
   Result: Platform will lift and lower.
6. With platform at stowed position, fully retract all outriggers using auto-level.
   Result: All four outriggers will retract until they are in the stowed (up) position.

WARNING

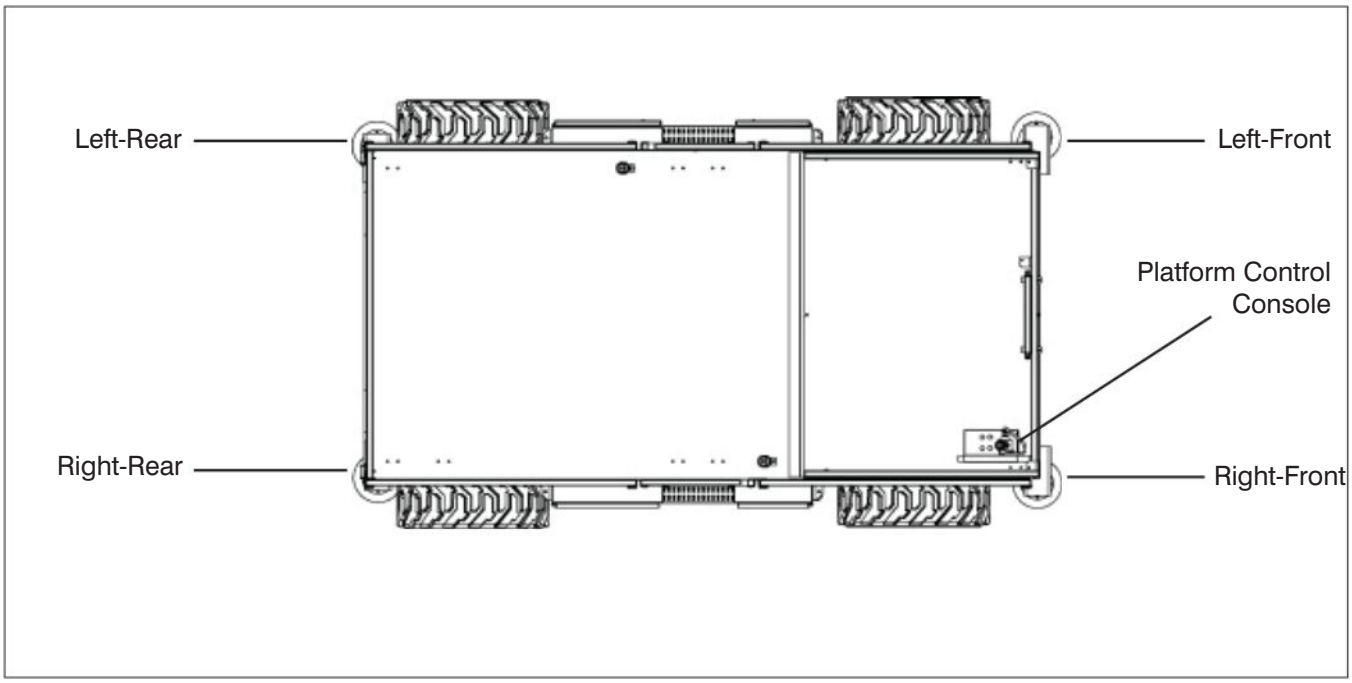
Ensure that there are no personnel or obstructions in the path of travel, including blind spots.

7. Drive the aerial platform to maximum speed.
   Result: Aerial platform drives at high speed.

WARNING

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

8. Lift platform to 12 feet (measured from the bottom of the tires to the platform surface) from stowed position.
   Result: Lift function will operate.
9. Drive aerial platform at raised height (12 feet).
   Result: Aerial platform drives at slow speed.
10. Attempt to operate outriggers at raised height (12 feet).
    - Attempt to partially extend Left-Front Outrigger (approximately 4”).
      Result: Outrigger will not extend.
    - Attempt to partially extend Right-Front Outrigger (approximately 4”).
      Result: Outrigger will not extend.



- Attempt to partially extend Right-Rear Outrigger (approximately 4”).
  Result: Outrigger will not extend.

- Attempt to partially extend Left-Rear Outrigger (approximately 4”).
  Result: Outrigger will not extend.

11. Lower the platform to stowed position.
    Result: Lower function will operate.

12. Raise the platform 1 foot from stowed position and partially extend Left-Front Outrigger (approximately 4”).
    - Attempt to lift the platform.
      Result: Lift function will not operate.

    - Attempt to drive the aerial platform.
      Result: Drive function will not operate.

    - Attempt to lower the platform.
      Result: Lower function will operate.

13. Platform at stowed position.
    - With Left-Front Outrigger partially extended, attempt to lift the platform.
      Result: Lift function will not operate.

    - With Right-Front Outrigger partially extended, attempt to lift the platform.
      Result: Lift function will not operate.
    - With Right-Rear Outrigger partially extended, attempt to lift the platform.
      Result: Lift function will not operate.

    - With Left-Rear Outrigger partially extended, attempt to lift the platform.
      Result: Lift function will not operate.

14. Platform at stowed position.
    - Extend each outrigger until it raises the tires up approximately 2”.

    - Retract the Left-Front Outrigger until the weight is resting on the corresponding tire.

    - Extend the Right-Rear Outrigger until it makes contact with ground.

    - Attempt to lift the platform 1 foot.
      Result: Lift function will not operate.

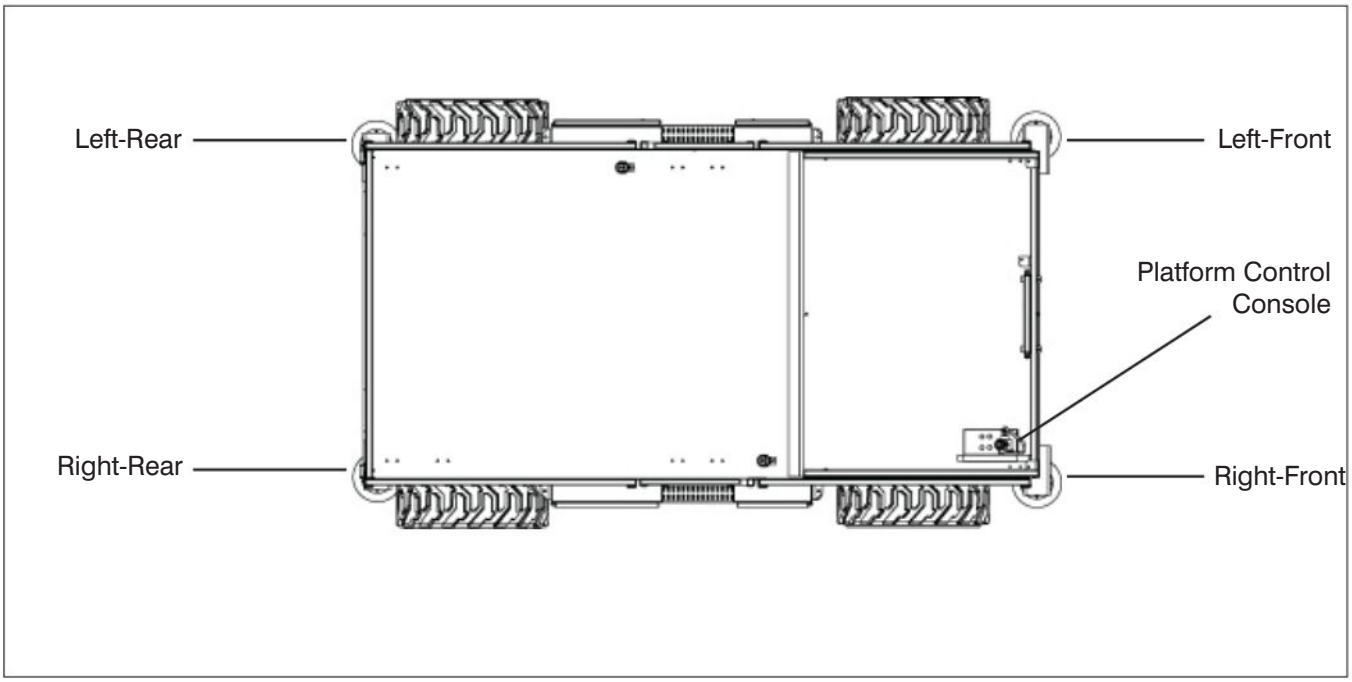
15. Platform at stowed position.
    - Extend each outrigger until it raises the tires up approximately 2”.

    - Retract the Right-Front Outrigger until the weight is resting on the corresponding tire.

    - Extend the Left-Rear Outrigger until it makes contact with ground.

    - Attempt to lift the platform 1 foot.
      Result: Lift function will not operate.

It is the responsibility of the operator to read, completely understand and follow all instructions and warnings contained in this operating manual and on the aerial platform.



16. Platform at stowed position.
    - Extend each outrigger until it raises the tires up approximately 2”.
    - Retract the Right-Rear Outrigger until the weight is resting on the corresponding tire.
    - Extend the Left-Front Outrigger until it makes contact with ground.
    - Attempt to lift the platform 1 foot.
      Result: Lift function will not operate.

17. Platform at stowed position.
    - Extend each outrigger until it raises the tires up approximately 2”.
    - Retract the Left-Rear Outrigger until the weight is resting on the corresponding tire.
    - Extend the Right-Front Outrigger until it makes contact with ground.
    - Attempt to lift the platform 1 foot.
      Result: Lift function will not operate.

18. Extend all four outriggers until all tires are off the ground and the aerial platform is levelled.
    - Lift the platform to 12 feet.
      Result: Lift function will operate.
    - Lower the platform from raised height (12 feet).
      Result: Lower function will operate.

WARNING

If any outrigger interlocks fail to operate in the expected manner, the aerial platform should be tagged and removed from operation immediately.

WARNING

Repairs to the aerial platform may only be made by a qualified service technician.

2.5 Winching and Towing Procedure

This section provides the operator with procedure about winching and towing and how to release the brakes.

WARNING

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

WARNING

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

WARNING

When pushing, winching or towing, do not exceed 3.2 km/h.

WARNING

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

2.5-1 To Release the Free-wheeling Valve

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

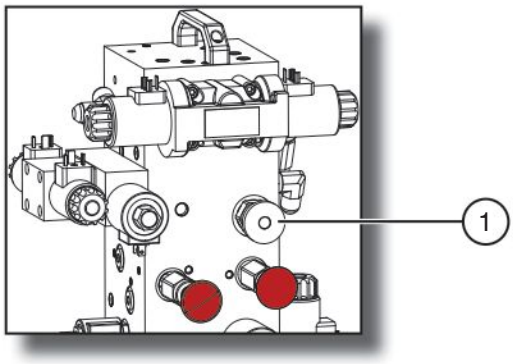


Figure 2-8. Free-Wheeling Valve

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

WARNING

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

2.5-2 To Release the Brakes Manually

WARNING

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

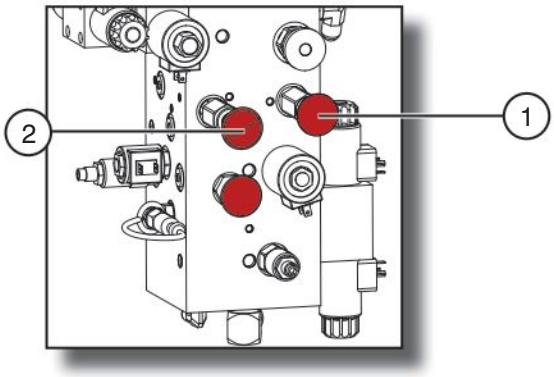


Figure 2-9. Disc Brakes System

NOTE

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

1. Ensure aerial platform is on level ground. Chock or block wheels to prevent aerial platform from rolling.
2. Turn main power disconnect switch to "◯" off position.
3. Locate brake auto reset valve plunger (item 1) and brake hand pump (item 2) at the main manifold in the hydraulic/fuel compartment.
4. Push in brake auto reset valve plunger.
5. Grasp brake hand pump and rapidly depress until firm resistance is felt. The brakes are now released.
6. Remove wheel chocks or blocks, then push, winch or tow aerial platform to desired location.

WARNING

Brakes must be reengaged immediately after reaching the desired location.

7. Position aerial platform on a firm and level surface.
8. Chock or block wheels to prevent aerial platform from rolling.
9. Reengage brakes by pulling out brake auto reset valve plunger.

2.6 Emergency Lowering Procedure

This section guides the operator on how to use emergency lowering system. This system allows platform lowering in the event of an emergency or an engine malfunction.

WARNING

Keep clear of scissors mechanism when using emergency lowering valve.

1. Remove any obstructions from a lowering platform.

2. Extension platform(s) may need to be retracted or aerial platform may need to be moved to clear obstruction. Refer to Section 2.5 for winching and towing procedures.

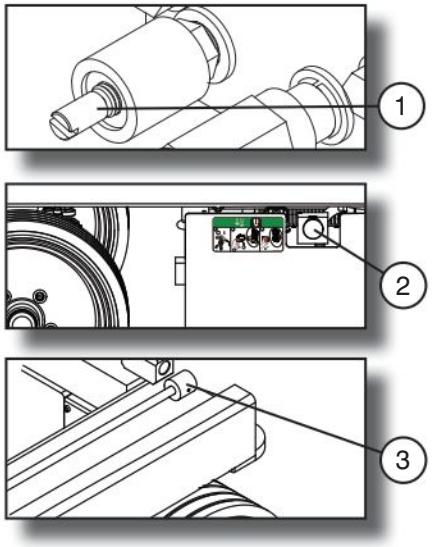


Figure 2-10. Emergency Lowering System

3. Locate holding valve override knob (item 1) at base of each lift cylinder. Depress and turn counterclockwise (1/4 turn). If necessary, use emergency lowering access rod (item 3) located on aerial platform base.

4. On the hydraulic/fuel compartment, pull out and hold emergency lowering pull valve (item 2) to lower platform.

5. To restore normal operation, depress and turn the holding valve override knobs clockwise.

3.0 Operation

This section provides the necessary information needed to operate the aerial platform. It is important that the user reads and understands this manual before operating the aerial platform.

3.1 General

In order for this aerial platform to be in good working condition, it is important that the operator meets the necessary qualifications and follow the maintenance and inspection schedule referred to in this manual.

3.1-1 Operator Qualifications

- Only trained and authorized personnel shall be permitted to operate an aerial platform.
- Safe use of this aerial platform requires the operator to understand the limitations and warnings, operating procedures and operator's responsibility for maintenance. Accordingly, the operator must understand and be familiar with this operating manual, its warnings and instructions, and all warnings and instructions on the aerial platform.
- The operator must be familiar with employer's work rules and related government regulations and be able to demonstrate the ability to understand and operate this make and model of aerial platform in the presence of a qualified person.

3.1-2 Operator's Responsibility for Maintenance

WARNING

Maintenance must be performed by trained and competent personnel who are familiar with mechanical procedures.

Death or serious injury could result from the use of an aerial platform that is not properly maintained or kept in good working condition.

- The operator must be sure that the aerial platform has been properly maintained and inspected before using it.
- The operator must perform all the daily inspections and function tests found in Table 4.7, even if the operator is not directly responsible for the maintenance of this aerial platform.

3.1-3 Maintenance and Inspection Schedule

- The inspection points covered in Table 4.7 indicate the areas of the aerial platform to be maintained or inspected and at what intervals the maintenance and inspections are to be performed.
- The actual operating environment of the aerial platform may affect the maintenance schedule.

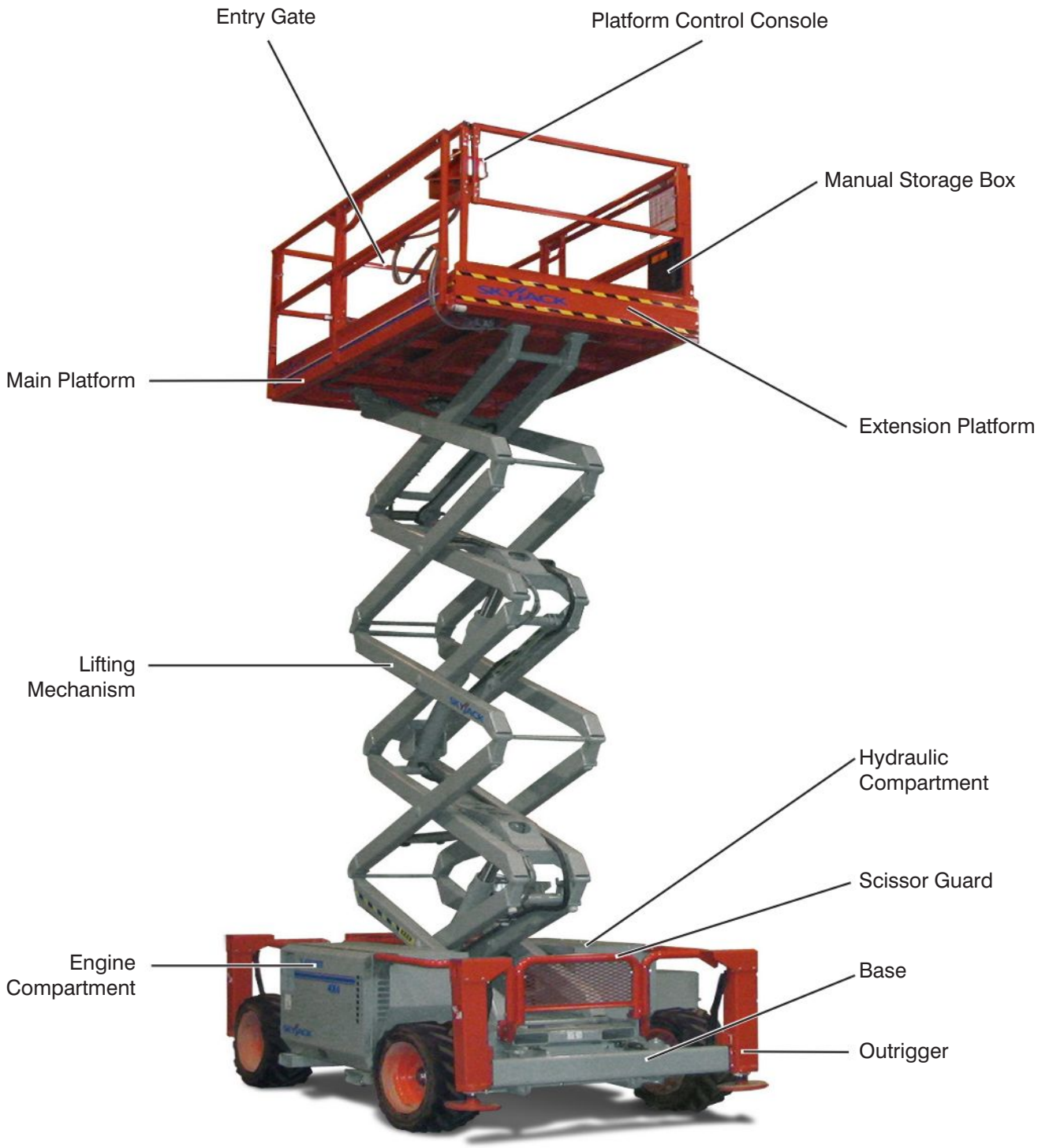
WARNING

Use original or manufacturer-approved parts and components for the aerial platform.

3.1-4 Owner's Inspections

It is the responsibility of the owner to arrange daily, quarterly (or 150 hours) and annual inspections of the aerial platform. Refer to Table 4.7 for recommended maintenance and inspection areas and intervals. A record of annual inspection is kept on a label located on the scissor assembly. Refer to Table 4.3 in this manual.

3.2 Major Components



SKYJACK Model SJ 6832RT Aerial Platform

3.3 Major Assemblies

The aerial platform consists of three major assemblies: base, lifting mechanism and platform.

3.3-1 Base

The base is a rigid, one-piece weldment which supports two side compartments.

- One compartment contains the engine, 12V battery, base control console and electrical components. The other compartment contains the emergency lowering system, brake release and hydraulic components as well as fuel and hydraulic tanks.
- The four wheels are hydraulically-motor driven with two front wheels steerable by a hydraulic cylinder.
- The rear wheel motors have spring-applied hydraulically released disc brakes.

3.3-2 Lifting Mechanism

The lifting mechanism is constructed of formed steel or tube sections making up a scissor-type assembly. The scissor assembly is raised and lowered by single-acting hydraulic lift cylinders with holding valves. A two-section pump, driven by an engine, provides hydraulic power to the lift cylinders.

3.3-3 Platform

The platform is constructed of a tubular support frame, a skid-resistant “diamond plate” deck surface and 990 mm hinged guardrails with 152 mm toe boards and mid-rails. The platform can be entered from the rear through a spring returned gate with latch. The platform is also equipped with a manual extension platform. AC outlet is also located on the platform.

3.4 Serial Number Nameplate

The serial number nameplate, located at the rear of the aerial platform, lists the following:

- Model number
- Serial number
- Aerial platform weight
- Maximum drivable height
- Maximum capacities
- Maximum number of persons permissible on the platform
- Voltage
- System pressure
- Lift pressure
- Maximum platform height
- Maximum wheel load
- Date manufactured
- Maximum wind speed
- Maximum manual force
- Maximum incline
- Gradeability

3.5 Component Identification

The following descriptions are for identification, explanation and locating purposes only.

3.5-1 Maintenance Support

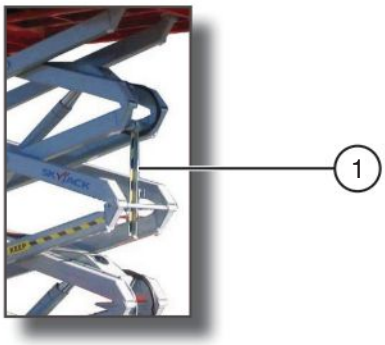


Figure 3-1. Maintenance Support

1. **Maintenance Support** - The maintenance support is a safety mechanism designed to support the scissor assembly. When properly positioned it can support the scissor assembly and empty platform. The maintenance support must be used when inspection and/or maintenance is to be performed within the lifting mechanism. Refer to Section 3.12 for how to use the maintenance support.

WARNING

The maintenance support must be used when inspection and/or maintenance or repairs are to be performed within the lifting mechanism. Failure to use this safety mechanism could result in death or serious injury.

WARNING

Do not reach through the scissor assembly when the platform is raised without the maintenance support properly positioned. Failure to avoid this hazard could result in death or serious injury.

3.5-2 Manual Storage Box

This weather-resistant box is mounted on the platform railings. It contains the operating manual, EC declaration and other important documentation. The operating manual for this make and model of aerial platform must be stored in this box.



3.5-3 Folding Guardrail System

This system, when folded down, reduces the height of the retracted aerial platform for transporting and traveling through doorways only. Refer to Section 3.10 for guardrail folding procedure.

WARNING

The scissor assembly must be fully lowered before raising or lowering the guardrails.

WARNING

Any lowered guardrail will create a fall hazard. Remain away from the sides of the platform while raising or lowering the guardrails to avoid falling. Refer to Section 3.10, for guardrail folding procedure.

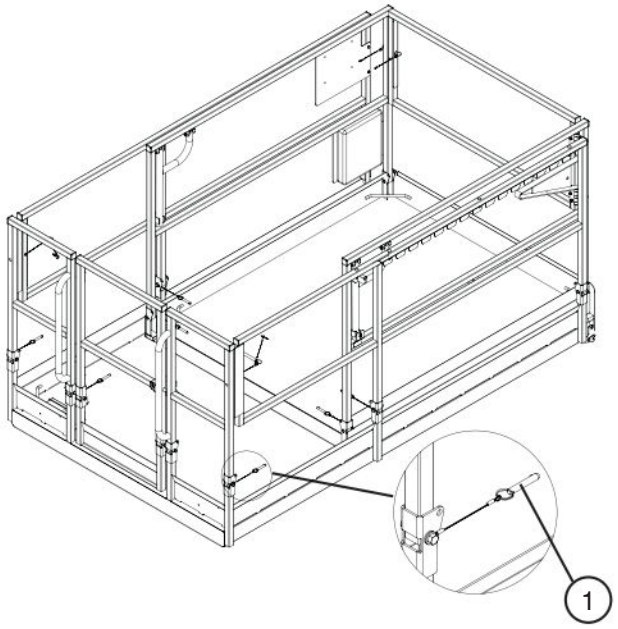


Figure 3-2. Folding Guardrail System

1. **Guardrail Locking Pin with Lanyard** - This pin is used to lock the guardrail in place.

WARNING

Before operating this aerial platform check the guardrail system for loose or missing locking pins. The guardrail system must be upright and all pins must be locked in place.
Death or serious injury could result if the guardrail system is not upright or properly locked.

3.5-4 Fall Protection Anchorage

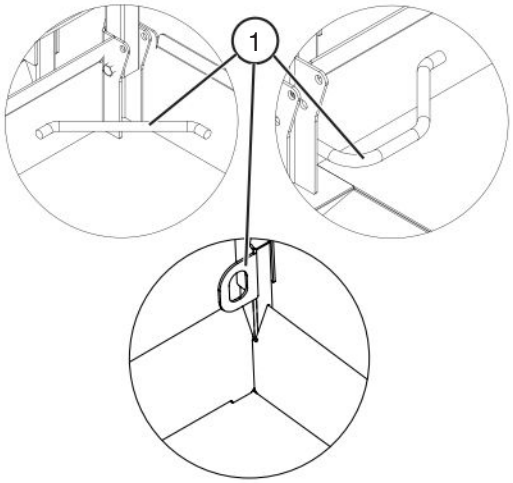


Figure 3-3. Fall Protection Anchorage

1. **Fall Protection Anchorage** - Use this as an attachment point for a fall restraint system. Do not attach anchorage connectors to any other point on the platform. Do not use this to lift, anchor, secure or support the platform or any other apparatus or material.

WARNING

The fall protection anchorage is to be used for restraint, within the limits of the platform, only.

3.6 Component Identification (Optional Equipment/Attachments)

This section describes the components that are optional to aerial platforms.

3.6-1 Outrigger/Generator Control Console (Auto-leveling) (If Equipped)

The outrigger/generator control console is located next to the platform control console. These switches control the generator, and outriggers' extension and retraction.

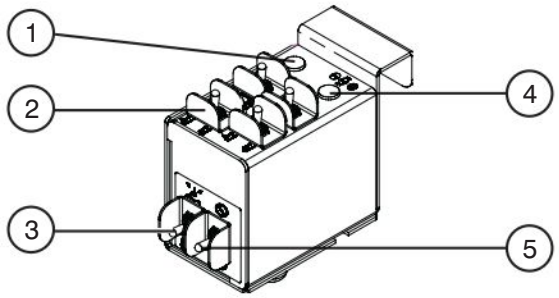


Figure 3-4. Outrigger/Generator Control Console with All Options

1. **Generator Switch** - This switch activates the generator.

2. **Outrigger Extend/Retract Switches** - These switches control the extension or retraction of each individual outrigger.

3. **Auto-Level Switch** - In the "" extend position, each outrigger extends and automatically adjusts until aerial platform is level. In the "" retract position, the outriggers retract.

4. **Outrigger Enable Switch** - This "" outrigger enable switch, when in the extend or retract position, activates functions on the auto-level switch and outrigger extend/retract switches.

5. **Leveling Indicator Light** - This light illuminates to display the status of the outriggers when the auto and manual level functions are in use. The indicator light has the following states:


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.

3.7 Operator's Responsibility

It is the responsibility of the operator, prior to each work shift, to perform the following:

1. Visual and Daily Maintenance Inspections

   - are designed to discover any damage of components before the aerial platform is put into service.
   - are done before the operator performs the function tests.

WARNING

Failure to locate and repair damage, and discover loose or missing parts may result in an unsafe operating condition.

2. Function Tests

   - are designed to discover any malfunctions before the aerial platform is put into service.

IMPORTANT

The operator must understand and follow the step-by-step instructions to test all aerial platform functions.

The operator should make a copy of the Operator's Checklist (see Table 4.8) and fill out the visual and daily maintenance inspections and the function tests sections while performing the items outlined in Section 2.3 and Section 2.4.

IMPORTANT

If aerial platform is damaged or any unauthorized variation from factory-delivered condition is discovered, aerial platform must be tagged and removed from service.

Repairs to the aerial platform may only be made by a qualified service technician. After repairs are completed, the operator must perform visual and daily maintenance inspections & function tests again.

Scheduled maintenance inspections shall only be performed by qualified service technician (see Table 4.7).

3.8 Start Operation

Carefully read and completely understand the operating manual and all warnings and instruction labels (refer to Section 5 - Labels) on the aerial platform.

WARNING

Do not operate this aerial platform without proper authorization and training. Failure to avoid this hazard could result in death or serious injury.

Before operating this aerial platform, perform the following steps:

1. Visual and daily maintenance inspections (see Section 2.3)
2. Function tests (see Section 2.4)
3. Jobsite inspection
   It is the responsibility of the operator to perform a jobsite inspection and avoid the following hazardous situations:

- holes or drop-offs
- ditches or soft fills
- floor obstructions, bumps or debris
- overhead obstructions
- electrical cords, hoses and high voltage conductors
- hazardous locations
- inadequate surface support to withstand all load forces imposed by the aerial platform
- wind and weather conditions
- the presence of unauthorized personnel
- other possible unsafe conditions

WARNING

An operator should not use any aerial platform that:

- **does not appear to be working properly.**
- **has been damaged or appears to have worn or missing parts.**
- **has alterations or modifications not approved by the manufacturer.**
- **has safety devices which have been altered or disabled.**

Failure to avoid these hazards could result in death or serious injury.

3.8-1 To Activate Base Control Console

WARNING

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

1. Use the ladder of aerial platform to access platform.
2. Close the gate.
3. On platform control console, pull out "" emergency stop button.
4. Select low/high throttle switch to "" low throttle position.
5. Use the ladder to dismount from platform.
6. Turn main power disconnect switch to "|"on position.
7. On base control console, pull out "" emergency stop button.
8. Insert key into platform/engine/base key switch and select "" base position.
9. For cold diesel engines, depress and hold "" glow plug pushbutton for 15 to 20 seconds.

CAUTION

Do not start the engine in the high throttle position.

10. Depress and hold "" engine start pushbutton until engine starts, then release. Do not overcrank starter.

NOTE

Choke is only active while button is depressed. Occasional use of choke button may be necessary during the first few seconds of engine operation.

3.8-2 To Raise or Lower Platform Using Base Control Console

WARNING

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

WARNING

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

1. Activate base control console (refer to Section 3.8-1).
2. On base control console, select and hold "" base position on platform/engine/base key switch. Select and hold platform raise/lower switch to either "" raise or "" lower position. Release platform raise/lower switch to stop.

   Lowering Warning System - A lowering warning system automatically stops the lowering function before reaching the fully retracted position and sounds the alarm. After the operator has released the down controls and taken time to check that no person is near the scissors, the lowering function can be reactivated.

3.8-3 To Activate Platform Control Console

1. Turn main power disconnect switch to "|"on position.
2. On the base control console, pull out the "" emergency stop button.
3. Insert key into platform/engine/base key switch and turn it to " " enable platform controls.

WARNING

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

4. Use the ladder of aerial platform to access platform.
5. Close the gate.
6. On platform control console, pull out "" emergency stop button.
7. Turn the low/high throttle switch to " " low throttle position.
8. For cold diesel engines, select and hold "" glow plug switch for 15 to 20 seconds.

CAUTION

Do not start the engine in the high throttle position.

9. Select and hold "" engine start switch until engine starts, then release. Do not overcrank starter.

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

WARNING

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

WARNING

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

1. Activate platform control console (refer to Section 3.8-3).
2. On platform control console, select lift/drive switch to " " lift position.
3. Activate and hold "" enable trigger switch.
4. Move controller handle forward "" to raise or backward "" to lower the platform, until desired height is reached.

NOTE

Lowering is not proportional.

Lowering Warning System - A lowering warning system automatically stops the lowering function before reaching the fully retracted position and sounds the alarm. After the operator has released the down controls and taken time to check that no person is near the scissors, the lowering function can be reactivated.

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

WARNING

To protect against unintended movement of the aerial platform, push in the emergency stop button after you have arrived at your desired location or elevation.

NOTE

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

3.8-5 To Drive Forward or Backward

WARNING

Be aware of blind spots when operating the aerial platform.

WARNING

Ensure that there are no personnel or obstructions in the path of travel, including blind spots.

1. Activate platform controls (refer to Section 3.8-3).
2. On platform control console, select lift/drive switch to “ ” drive position.
3. Activate and hold “ ” enable trigger switch.
4. Move controller handle “ ” forward or “ ” backward to desired speed and direction of platform travel.
5. Return controller to neutral center position to stop. Release “ ” enable trigger switch.

WARNING

To protect against unintended movement of the aerial platform, push in the emergency stop button after you have arrived at your desired location or elevation.

3.8-6 To Steer

1. Activate platform controls (refer to Section 3.8-3).
2. On the platform control console, turn lift/drive switch to “ ” drive position.
3. Activate and hold “ ” enable trigger switch.
4. Press “ ” rocker switch on top of controller handle in either direction to steer.

NOTE

Steering is not proportional. Driving and steering may be active at the same time.

3.8-7 To Select Drive Torque

1. **High Torque:** Select high torque when climbing grades, traveling on rough terrain or when loading or unloading aerial platform. To activate high torque, select torque switch to "" high torque (low speed) position.

WARNING

Aerial platform must be in fully retracted position when operated on any grade. Driving while elevated on any grade may result in death or serious injury.

2. **Low Torque:** Select low torque when traveling on flat surface. To activate low torque, select torque switch to "" low torque (high speed) position.

WARNING

To protect against unintended movement of the aerial platform, push in the emergency stop button after you have arrived at your desired location or elevation.

3.8-8 To Extend or Retract Manual Extension Platform

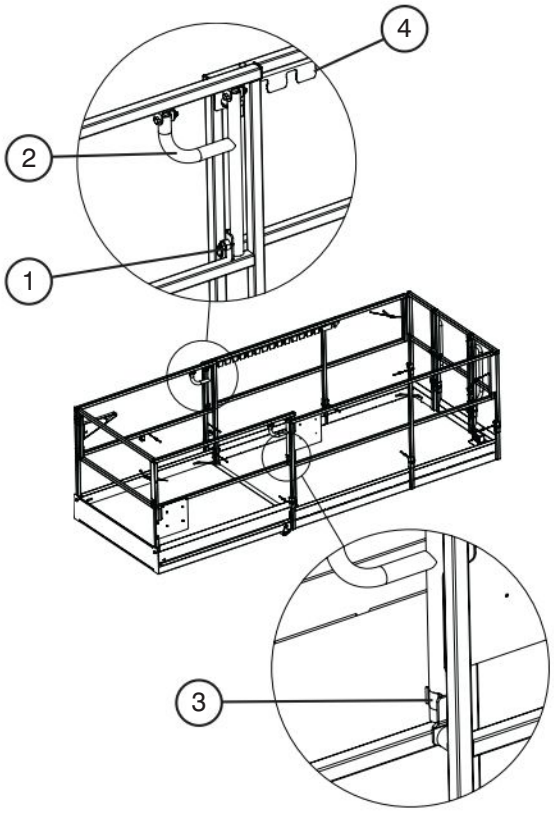


Figure 3.5. Manual Extension Platform

1. To extend/retract manual extension platform, pull out the pull pin (item 1), lift push bars (item 2) up from the gripper clip (item 3) then push/pull the push bar handle until desired extension/retraction is reached.

2. Ensure push bar rests in one of the slots in the extension interval (item 4). Fasten push bar down into the gripper clip and ensure pull pin is locked in place.

3.8-9 Hydraulic Outriggers (If Equipped)

These devices are mounted to four corners of the base. When properly positioned, they increase the stability of the aerial platform.

3.8-9a Before Operation

1. Move around aerial platform to check overhead clearances and ground obstructions.

2. To lower the platform completely, refer to Section 3.8-4. Outrigger controls are not functional when platform is raised.

3. Check that the supporting surface under the tires and outrigger pads is firm and capable of supporting aerial platform and rated load. Do not place outrigger pad on a street drain, manhole cover or other unsupported surface.

3.8-9b To Extend Outriggers

4. On outrigger/generator control console, select and hold "" enable switch to provide power to outrigger circuit.

5. **Auto Extension**: Select auto-level switch to "" extend position until leveling indicator light stops flashing and remains in a solid state. Aerial platform should be completely supported by the outriggers and level at this point.

   Manual Extension: Select corresponding outrigger extend/retract switch to "" extend position until platform is fully supported by outriggers and is level. The indicator light flashes while platform is being leveled and remains solid once platform is level. The indicator light has the following states:

    **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.

6. Ensure each outrigger pad is in firm contact over its entire surface area, with a suitable supporting surface! Make adjustments if necessary using manual outrigger controls.

7. Operate all non drive functions as described in their respective sections.

NOTE

Each outrigger pad must be in firm contact with the ground for most aerial platform functions to work.

NOTE

Drive functions are disabled if the outriggers are in any position other than fully retracted.

 WARNING

If alarm sounds during operation, the aerial platform is not level or an outrigger does not have firm ground contact. Lower the platform immediately! Make the necessary adjustments to level the aerial platform.

3.8-9c To Retract Outriggers

8. On outrigger/generator control console, select and hold "" enable switch to provide power to outrigger circuit.

9. **Auto Retraction:** Select auto-level switch to "" retract position until outriggers are fully retracted.

   Manual Retraction: Select corresponding pairs of outrigger extend/retract switches to "" retract position until the outriggers are fully retracted.

NOTE

Limit switches are used to protect outriggers from being damaged. If drive functions are not available, visually check to see that all outriggers are fully retracted.

3.8-10 Generator (If Equipped)

To start generator:

1. On platform control console, select lift/drive switch to "↑↓" lift position.
2. On outrigger/generator control console, select generator switch to " | " energized position. The engine will automatically switch to low throttle and the generator will start.

To restore normal operation:

3. Flip generator switch to "○" off position. The generator will turn off.

NOTE

Activating any lift or outrigger functions, changing key switch settings, activating emergency stop or an engine stall will turn off the generator. The platform may be lowered during generator operation.

3.8-11 Shutdown Procedure

1. Completely lower the platform.
2. On platform control console, push in "●" emergency stop button.

WARNING

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

3. Use the ladder to dismount from platform..
4. Turn platform/engine/base key switch to "⏱" engine position and remove key.
5. Turn main power disconnect switch to "○" off position.

3.9 Loading/Unloading

Know all national, state or territorial/provincial and local rules which apply to your loading/unloading of aerial platforms.

Only qualified personnel shall operate machinery during loading/unloading.

Be sure vehicle capacity and loading equipment hoists, chains, straps, etc., are sufficient to withstand maximum aerial platform weight.

The transport vehicle must be parked on a level surface and must be secured to prevent rolling while aerial platform is being loaded/unloaded.

3.9-1 Lifting

When it is necessary to lift the Skyjack aerial platform the following conditions must be met:

- The platform must be fully lowered.
- The main power disconnect switch must be in "◯" off position.
- The hydraulic/fuel and engine compartments must be closed and securely latched.
- The extension platform must be retracted and secured.
- The platform control console must be secured to the railings or removed.
- The platform must be cleared of all personnel, tools and materials.
- The lifting/rigging must be attached to all four lifting points as illustrated in Figure 3-6.

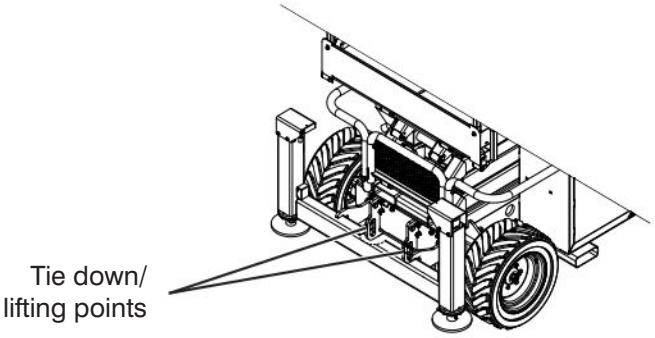


Figure 3-6. Tie Downs/Lifting Points

NOTE

The mass of the aerial platform is as per Table 4.2. The center of gravity is approximately located in the middle of the aerial platform, front to back and side to side, as illustrated in Figure 3-7. Vertically, the center of gravity is approximately just above the base chassis.

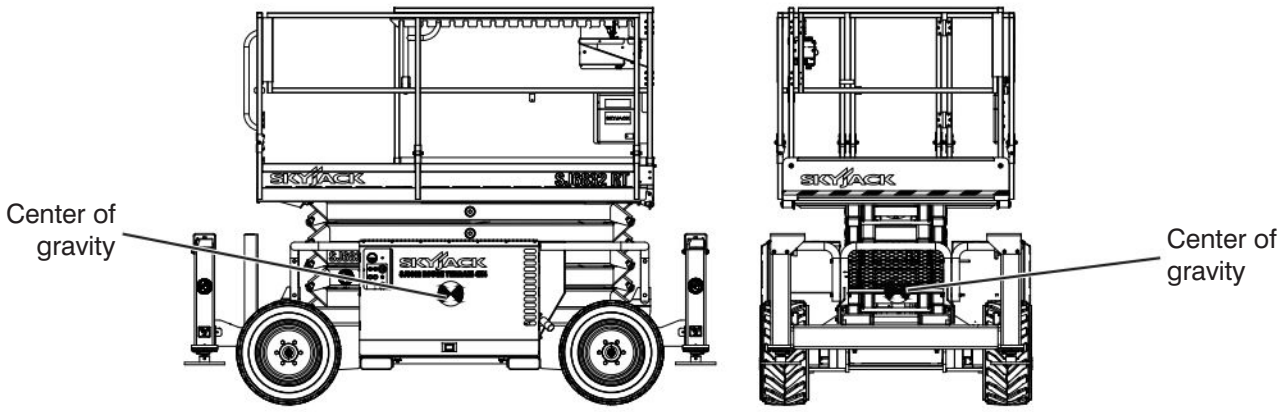


Figure 3-7. Center of Gravity

NOTE

Lift with forks in designated forklift lifting locations as illustrated in Figure 3-8.

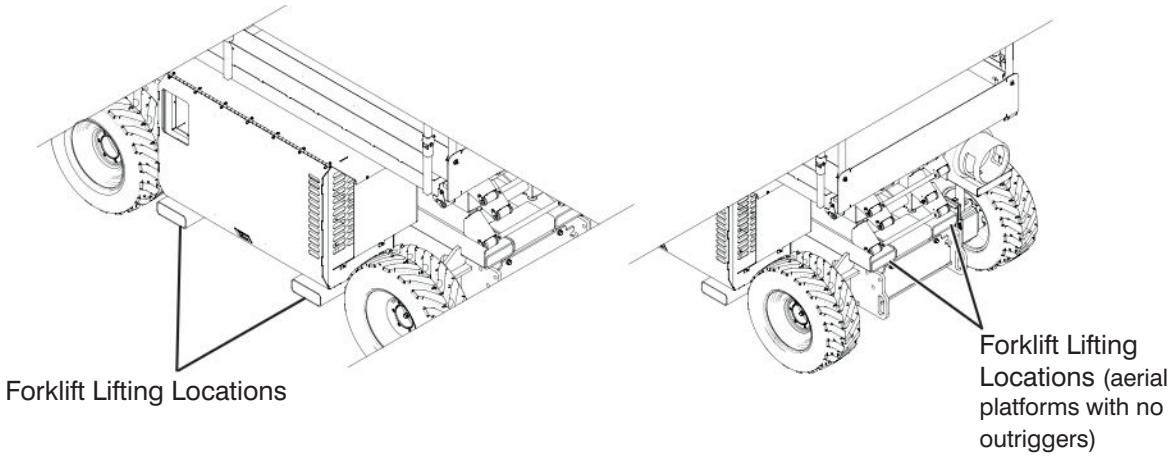


Figure 3-8. Forklift Lifting Locations

3.9-2 Driving

When driving the aerial platform:

- Ramp or dock capacity should be sufficient to withstand maximum aerial platform weight.
- Ramp should be equipped with side guards to prevent inadvertent fall from the ramp.
- Incline should not exceed aerial platform gradeability (refer to Table 4.2).
- Aerial platform brakes should be checked for proper operation.
- Aerial platform speed should be on high torque setting.

WARNING

When transporting, the aerial platform must be secured to the truck or trailer deck. Tie downs are available as illustrated in Figure 3-6.

Notes

3.10 Guardrail Folding Procedure

When folded down, the folding guardrail system reduces the height of the retracted aerial platform for transporting only.

WARNING

Any lowered guardrail will create a fall hazard. Remain away from the sides of the platform while raising or lowering the guardrails to avoid falling.

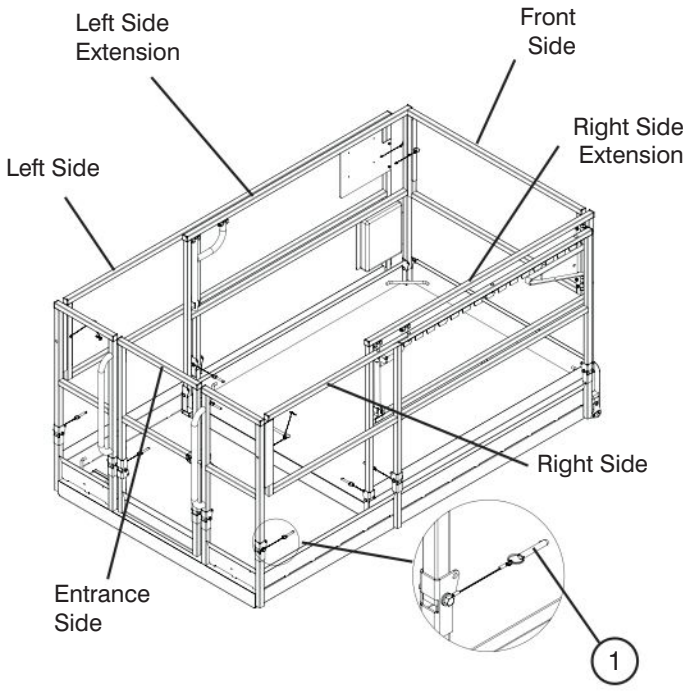


Figure 3-9a. Folding Guardrail System

1. **Guardrail Locking Pin with Lanyard** - This pin is used to lock the guardrail in place.

WARNING

The scissor assembly must be fully lowered before raising or lowering the guardrails.

WARNING

Before operating this aerial platform check the guardrail system for loose or missing locking pins. The guardrail system must be upright and all pins must be locked in place. Death or serious injury could result if the guardrail system is not upright or properly locked.

To fold the guardrail system down:

1. Ensure aerial platform is on level ground.
2. Ensure extension platform is fully retracted.
3. Ensure Emergency Stop button is depressed.
4. Turn emergency main power disconnect switch to "◯" off position.

WARNING

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

5. Use the ladder of aerial platform to access platform.
6. Close the gate.
7. Retract the extension platform fully. Refer to Section 3.8-8.
8. Remove the platform control console and outrigger controls (if equipped) and lay it down on the platform.

WARNING

Any lowered guardrail will create a fall hazard. Use caution when exiting or entering the platform when the guardrails are lowered.

9. Fold down guardrails in the following order: front, right extension, left extension, right-side , left-side and entrance (refer to Figure 3-9a).
10. Remove the locking pin that secured the **front guardrail** to the left extension guardrail then swing it towards the right extension and tie wrap front gate to right side guardrail.
11. Remove the locking pin on the **right side extension** guardrail and fold it down with the front guardrail.
12. Remove the locking pin on the **left side extension** guardrail and fold it down.
13. Remove the locking pins on the **right side** guardrail and fold it down.

14. Remove all the locking pins on the **left side** guardrail and fold it down.

15. With the gate closed, remove all the locking pins on the **entrance side** guardrail and fold the guardrail down.

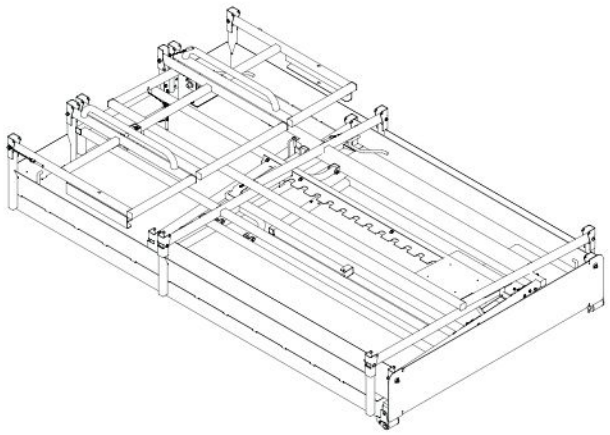


Figure 3-9b. All Guardrails Folded Down

To raise the guardrail system up:

WARNING

The scissor assembly must be fully lowered before raising or lowering the guardrails.

1. Ensure that the aerial platform is on level ground.

2. Ensure extension platform is fully retracted.

3. Ensure Emergency Stop button is depressed.

4. Turn emergency main power disconnect switch to "◯" off position.

WARNING

Any lowered guardrail will create a fall hazard. Use caution when exiting or entering the platform when the guardrails are lowered.

WARNING

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

5. Use the ladder of aerial platform to access platform.

WARNING

Any lowered guardrail will create a fall hazard. Remain away from the sides of the platform while raising or lowering the guardrails to avoid falling.

WARNING

Ensure that the detent ball of each locking pin is all the way through and each cotter pin fully inserted into the pin hole.

6. Raising the guardrails up is done in the following order: entrance side, left side, right side, left side extension, right side extension and front side.

7. Swing up the **entrance side** guardrail then lock it in place by inserting all locking pins.

8. Swing up the **left side** guardrail and lock it in place by inserting all locking pins.

9. Swing up the **right side** guardrail and lock it in place by inserting all locking pins.

10. Swing up the **left side extension** guardrail and lock it in place by inserting the locking pin.

11. Swing up the **right side extension** guardrail and the front guardrail and lock them in place by inserting the locking pin on the right extension.

12. Swing the **front side** guardrail forward and lock it in place by inserting the locking pin.

13. Mount the platform control console and outrigger controls (if equipped) at the front right of the platform. Lock them in place.

WARNING

Before operating this aerial platform check the guardrail system for loose or missing locking pins. The guardrail system must be upright and all pins must be locked in place. Death or serious injury could result if the guardrail system is not upright or properly locked.

3.11 Moving the Aerial Platform through a Doorway

WARNING

This procedure is suitable for level ground only.

1. Confirm that the height/width of the doorway is sufficient to allow the aerial platform to pass through.

NOTE

If it is necessary to fold the guardrails, refer to Section 3.10 for guardrail folding procedure.

2. Perform a thorough jobsite inspection prior to operating the aerial platform to identify potential hazards in your work area.
3. Cordon-off the pathway which you intend to travel.
4. Position the aerial platform to allow all future motion, including through the doorway, to be in a forward direction.
5. Turn main power disconnect switch to "◯" off position.
6. Use the ladder of aerial platform to access platform.

WARNING

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

7. Close the gate. On platform control console, push in "" emergency stop button.
8. Disconnect and remove platform control console from the platform.
9. Fold the guardrails if necessary. Refer to Section 3.10 for guardrail folding procedure.
10. Use the ladder to dismount from platform.
11. Connect platform control console to the connection inside the engine cabinet.
12. Ensure there are no personnel in the intended path of travel.
13. Notify those around the pathway that you will be moving the aerial platform.
14. Use a spotter to guide movement. Ensure the spotter remains at a safe distance.
15. Ensure that the platform control console is properly oriented in the direction the aerial platform is facing.
16. Turn main power disconnect switch to "|"on position.
17. On base control console, pull out "" emergency stop button.
18. Insert key into platform/engine/base key switch and turn it to " " platform position.
19. On platform control console, pull out "" emergency stop button.
20. Turn the low/high throttle switch to the " " low throttle position.

CAUTION

Do not start the engine in the high throttle position.

21. Start engine.

DANGER

Do not drive the aerial platform toward yourself.

22. On platform control console, select torque switch to "" low speed drive position.
23. Using as low a speed as practical and the operator positioned behind the aerial platform, drive forward through doorway.
24. Once safely through doorway, push in "" emergency stop button and turn main power disconnect switch to "◯" off position.

25. Disconnect platform control console and return it to the platform.

WARNING

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

26. Return guardrails to upright position if folded. Refer to Section 3.10 for guardrail folding procedure.

WARNING

Before operating this aerial platform check the guardrail system for loose or missing locking pins. The guardrail system must be upright and all pins must be locked in place.
Death or serious injury could result if the guardrail system is not upright or properly locked.

27. Once platform control console is securely reconnected and guardrails up, normal operation may continue.

3.12 Maintenance Support Procedure

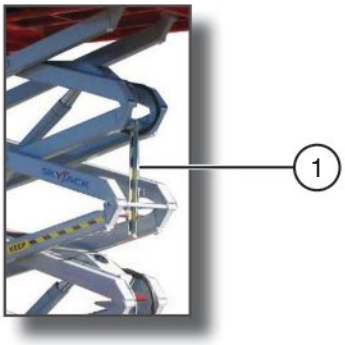


Figure 3-10. Maintenance Support

1. **Maintenance Support** - The maintenance support is a safety mechanism designed to support the scissor assembly. When properly positioned it can support the scissor assembly and empty platform. The maintenance support must be used when inspection and/or maintenance is to be performed within the lifting mechanism.

WARNING

The maintenance support must be used when inspection and/or maintenance or repairs are to be performed within the lifting mechanism. Failure to use this safety mechanism could result in death or serious injury.

Proper Use of Maintenance Support

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.
4. Remove hands and arms from scissors area.
5. Lower platform until bottom end of maintenance support contacts the labeled cross bar and scissors are supported by maintenance support.
6. Turn main power disconnect switch to "◯" off position.

To Store the Maintenance Support

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

WARNING

Do not reach through the scissor assembly when the platform is raised without the maintenance support properly positioned. Failure to avoid this hazard could result in death or serious injury.

Table 4.1 Standard and Optional Features

MODEL	Compact RT's	
	6826	6832
STANDARD EQUIPMENT		
Joystick control	*	*
4WD	*	*
18.5 kW (24.8 hp) Kubota D902 diesel water-cooled engine	*	*
Easy operation 152 cm roll out extension platform	*	*
Load sensing system	*	*
Lowering warning system	*	*
Tilt sensing system	*	*
Scissor guards	*	*
Swing out engine tray	*	*
Multiple wet disc–spring applied hydraulic release brakes	*	*
Manual brake release	*	*
Tilt alarm with drive/lift cutout	*	*
Lanyard attachment points	*	*
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	*	*
Base controls	*	*
All motion audible alarm	*	*
Hydraulic outriggers	*	*
OPTIONAL EQUIPMENT		
Flashing light	*	*
Shop air line to platform	*	*
Work lights	*	*

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Table 4.2 Specifications and Features

Model		Compact RT's	
		6826	6832
Weight*	With Outriggers	3500 kg	3770 kg
Width		1.77 m	1.77 m
Length	With Outriggers	3.35 m	3.35 m
Platform Size		1.4 m x 2.4 m	1.4 m x 2.4 m
Height	Working	9.8 m	11.6 m
	Platform Elevated	7.9 m	9.7 m
	Platform Lowered	2.37 m	2.51 m
	Drive	7.9 m	9.7 m
Speed	Normal Drive	6.1 km/h	6.1 km/h
	Elevated Drive	0.61 km/h	0.61 km/h
	Lift (Rated Load)	36 sec	39 sec
	Lower (Rated Load)	36 sec	36 sec
Engine (RPM)	Kubota Diesel	3500 (High Throttle) / 2050 (Low Throttle)	
Tires	Foam-filled	OTR Outrigger - 30.5 cm x 66 cm	
Gradeability (Torque Equivalent To)		50%	40%
Guaranteed Sound Power Level		96 dB(A)	
Emission sound pressure level at platform does not exceed 70 dB(A).			
Vibration - acceleration to which operator's body is subjected does not exceed 0.5 m/sec2.			

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

Table 4.3 Owner's Annual Inspection Record

	Model Number: _____ Serial Number:_____								
*	20__	20__	20__	20__	20__	20__	20__	20__	20__
**	SKYJACK								

1001AB

This decal is located on the scissor assembly. It must be completed after an annual inspection has been completed. Do not use the aerial platform if an inspection has not been recorded in the last 6 months.

	Pictorial	Description
*		**Inspection Date**
**		**Inspector Signature**

Table 4.4 Maximum Platform Capacities (Evenly Distributed)

MODEL		Total		Extension		Maximum Platform Height	Maximum Wind Speed	Tilt Cutout Setting (Degrees)
		Capacity	Number of Occupants	Capacity	Number of Occupants			
6826	**One Extension Platform**	567 kg	4	136 kg	1	7.9 m	12.5 m/s	2.5 x 4.5
6832	**One Extension Platform**	454 kg	2	136 kg	1	9.7 m	12.5 m/s	2.5 x 4.5
			4			7.9 m		

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NOTE: Occupants and materials are not to exceed rated load.
Refer to capacity label for additional information and for models equipped with options.

Table 4.5 Floor Loading Pressure

MODEL		Total Aerial Platform Weight	Total Aerial Platform Load		
			Wheel/ Outrigger Pad	LCP**	OUP**
		kg	kg	kPa	kg/m^2
6826 on Tires	min*	3500	1400	1122	595
	max*	4067	1635	1310	690
6826 on Outrigger Pads	min*	3500	1400	270	595
	max*	4067	1635	317	690
6832 on Tires	min*	3770	1675	1340	640
	max*	4224	1860	1490	720
6832 on Outrigger Pads	min*	3770	1675	325	640
	max*	4224	1860	360	720

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

max - Aerial platform weight + all options + full capacity

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

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

NOTE:

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

Floor Loading Pressure

Locally Concentrated Pressure (LCP):

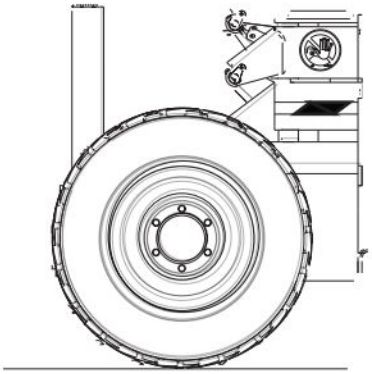
Foot Print Area = Tread Contact Area

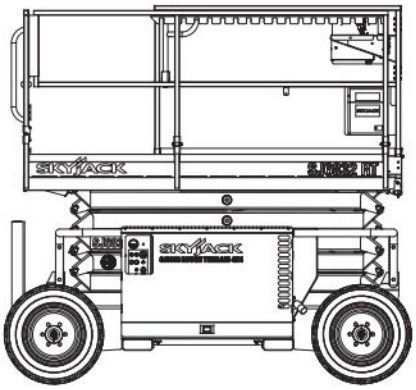
$$LCP = \frac{\text{Maximum Wheel Load}}{\text{Foot Print Area}}$$

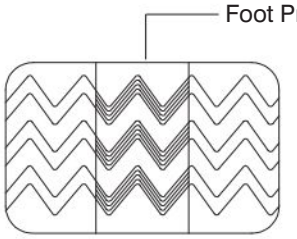
Overall Uniform Pressure (OUP):

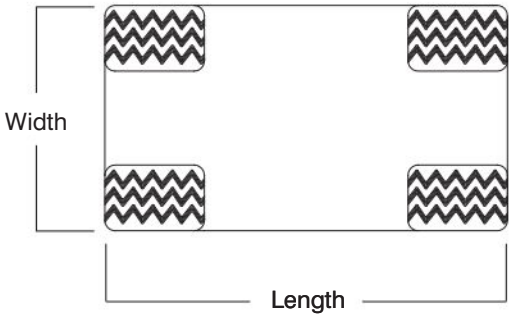
Base Area = Length x Width

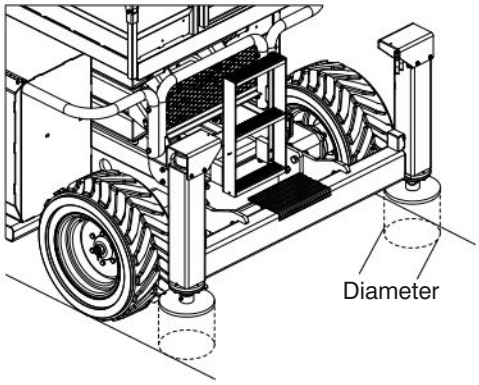
$$OUP = \frac{\text{Weight of Aerial Platform + Capacity}}{\text{Base Area}}$$

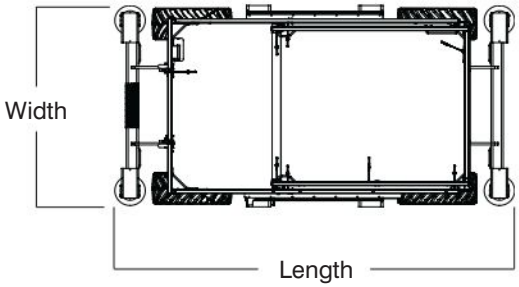












WARNING

Intermixing tires of different types or using tires of types other than those originally supplied with this equipment can adversely affect stability. Therefore, replace tires only with the exact Skyjack-approved type. Failure to operate with matched approved tires in good condition may result in death or serious injury.

Table 4.6 EC Declaration of Conformity

EC Declaration of Conformity

We, SKYJACK INC., declare under our sole responsibility that the product **Mobile Elevating Work Platform**

Model number: [*] Serial number: [*]

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
Notified body: [*]

EC Type Examination Certificate No: [*]

Directive 2000/14/EC,
The aerial access platform equipped with diesel engine was a subject to the internal control of production.
Sound Pressure Level – 96dB
Guaranteed Maximum Sound Power Level – 103dB

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

Place of issue:
[*]

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

Test and Validation: Quality:

[*] For information refer to the English EC Declaration of Conformity provided with your aerial platform.

General Maintenance

Before attempting any repair work, disconnect battery by turning main power disconnect switch to "◯" off position. Preventive maintenance is the easiest and least expensive type of maintenance.

Table 4.7 Maintenance and Inspection Schedule

Frequency	Daily	3 months or 150 hours	Yearly
Visual and Daily Maintenance Inspections			
Labels	A		
Electrical	A		
Limit Switches	A		
Hydraulic	A		
Engine Compartment			
Main Power Disconnect Switch	A		
Base Control Switches	A		
Load/Tilt Sensor	A		
Battery	A		
Hydraulic Pump	A		
Radiator	A		
Muffler and Exhaust	A		
Engine Pivot Tray	A		
Engine Oil Level	A		
Fuel Shut-off Valve	A		
Engine Air Filter	A		
Fuel Leaks	A	B*†	
Hydraulic/Fuel Compartment			
Hydraulic Tank	A		
Hydraulic Oil	A		
Hydraulic Return Filter	A		
Fuel Tank	A		
Fuel Leaks	A		
Main Manifold	A		
Gear Type Flow Divider	A		
Platform Assembly			
Lanyard Attachment Anchors	A		
AC Outlet on Platform	A		
Manuals	A		
Platform Control Console	A		
Lifting Mechanism			
Maintenance Support	A		

Frequency	Daily	3 months or 150 hours	Yearly
Scissor Assembly	A		
Scissor Bumpers	A		
Rollers	A		
Lift Cylinder(s)	A		
Scissor Guards	A		
Base			
Base Weldment	A		
Wheel/Tire Assembly	A		
Steer Cylinder Assembly	A		
Splitter Manifold	A		
Tie Rod	A		
Emergency Lowering Access Rod	A		
Ladder	A		
Outriggers (If Equipped)	A	B*†	
Function Tests			
Test Main Power Disconnect Switch	A		
Base Control Console			
Test Platform/Engine/Base Key Switch	A		
Test Emergency Stop	A		
Test Platform Raise/Lower Switch	A		
Test Emergency Lowering	A		
Test Free-wheeling	A		
Platform Control Console			
Test Emergency Stop	A		
Test Enable Trigger Switch	A		
Test Platform Raising/Lowering	A		
Test Lowering Warning	A		
Test Steering	A		
Test Driving	A		
Test Speed Limit	A		
Test Brakes	A		
Test Horn	A		
Test Outriggers (If Equipped)	A		

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A - Perform Visual and Daily Maintenance Inspections & Functions Test. Refer to Section 2.3 and Section 2.4 of this manual.
B - Perform Scheduled Maintenance Inspection. Refer to Service & Maintenance manual.
***** - Maintenance must be performed only by trained and competent personnel who are familiar with mechanical procedures.
† - Refer to Skyjack's website @ www.skyjack.com for latest service bulletins proior to performing quarterly or yearly inspection.



WARNING

Use original or manufacturer-approved parts and components for aerial platform.

Table 4.8 Operator's Checklist

OPERATOR'S CHECKLIST

Serial Number: _____

Model: _____

Hourmeter Reading: _____ Operator's Name (Printed): _____

Date: _____

Time: _____ Operator's Signature: _____

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

P - PASS
F - FAIL
R - REPAIRED
NA - NOT APPLICABLE

❑ DAILY
❑ FREQUENTLY
❑ ANNUALLY
❑ BI-ANNUALLY

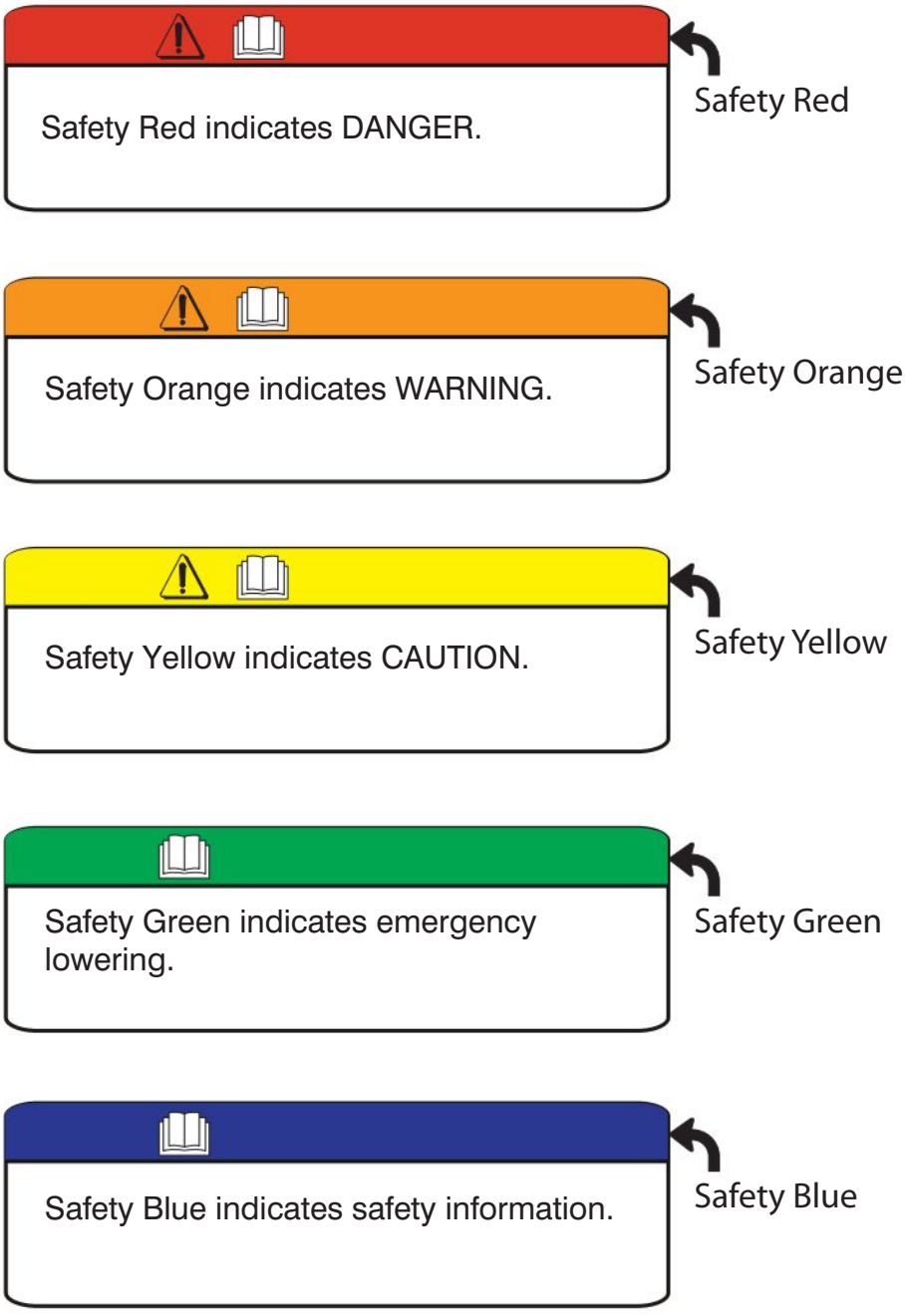
	N/A	P	F	R
Visual and Daily Maintenance Inspections				
Labels				
Electrical				
Limit Switches				
Hydraulic				
Engine Compartment				
Main Power Disconnect Switch				
Base Control Switches				
Load/Tilt Sensor				
Battery				
Hydraulic Pump				
Radiator				
Muffler and Exhaust				
Engine Pivot Tray				
Engine Oil Level				
Fuel Shut-off Valve				
Engine Air Filter				
Fuel Leaks				
Hydraulic/Fuel Compartment				
Hydraulic Tank				
Hydraulic Oil				
Hydraulic Return Filter				
Fuel Tank				
Fuel Leaks				
Main Manifold				
Gear Type Flow Divider				
Platform Assembly				
Lanyard Attachment Anchors				
AC Outlet on Platform				
Manuals				
Platform Control Console				
Lifting Mechanism				
Maintenance Support				

	N/A	P	F	R
Scissor Assembly				
Scissor Bumpers				
Rollers				
Lift Cylinder(s)				
Scissor Guards				
Base				
Base Weldment				
Wheel/Tire Assembly				
Steer Cylinder Assembly				
Splitter Manifold				
Tie Rod				
Emergency Lowering Access Rod				
Ladder				
Outriggers (If Equipped)				
Function Tests				
Test Main Power Disconnect Switch				
Base Control Console				
Test Platform/Engine/Base Key Switch				
Test Emergency Stop				
Test Platform Raise/Lower Switch				
Test Emergency Lowering				
Test Free-wheeling				
Platform Control Console				
Test Emergency Stop				
Test Enable Trigger Switch				
Test Platform Raising/Lowering				
Test Lowering Warning				
Test Steering				
Test Driving				
Test Speed Limit				
Test Brakes				
Test Horn				
Test Outriggers (If Equipped)				

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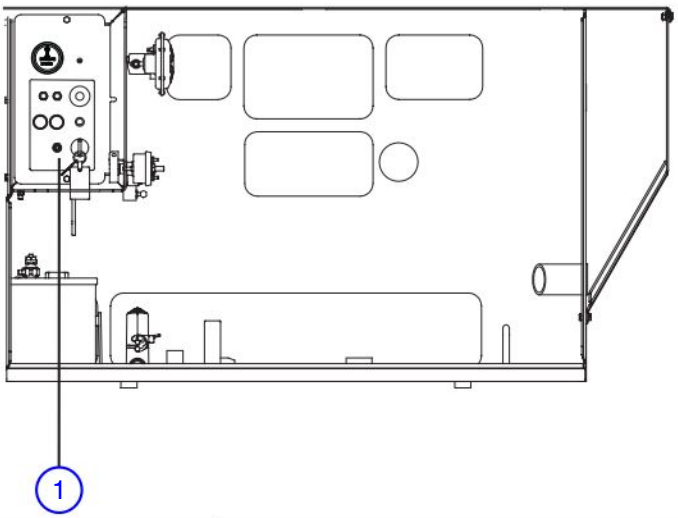
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Make a copy of this page or visit the Skyjack web site:
www.skyjack.com for a printable copy.

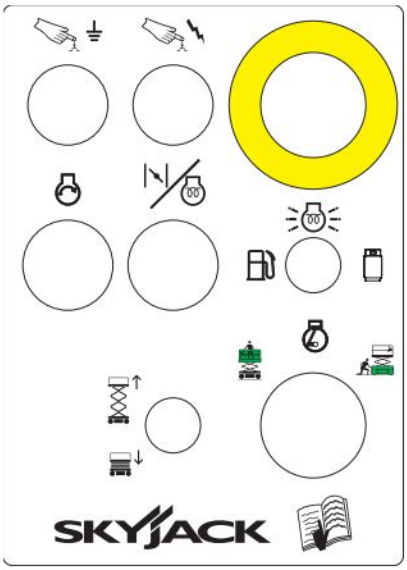
Label Legend



Labels - Models 6826 & 6832

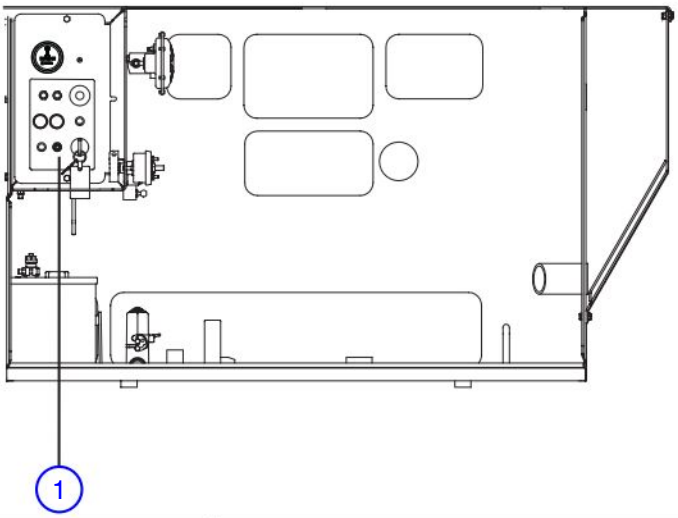
Engine Panel

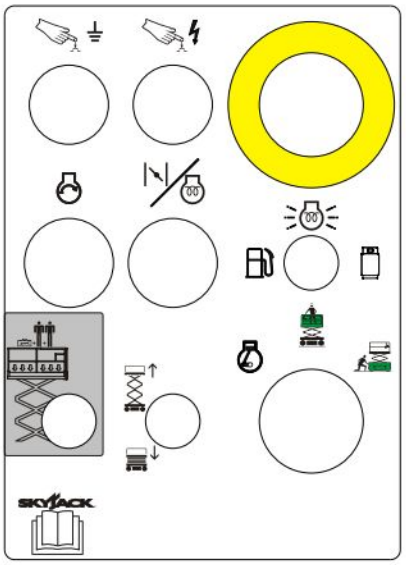


No.	Label Pictorial	Description
1		**Electrical Panel (Model 6826)** Push “” to reset ground circuit breaker. Push “” to reset power circuit breaker. Push “” to stop engine and disable controls (Emergency Stop). Light indicates controls enabled. Push and hold “” to start engine. Push and hold “” to operate choke (dual fuel) or “” glow plugs (diesel). Select “” gasoline or “” propane. Light “” indicates glow plug operation (diesel). Select “” to raise or “” to lower platform. Select “” to enable platform controls, “” to allow engine to run with no controls active or “” to enable base control console. Read operating manual.

Labels - Models 6826 & 6832

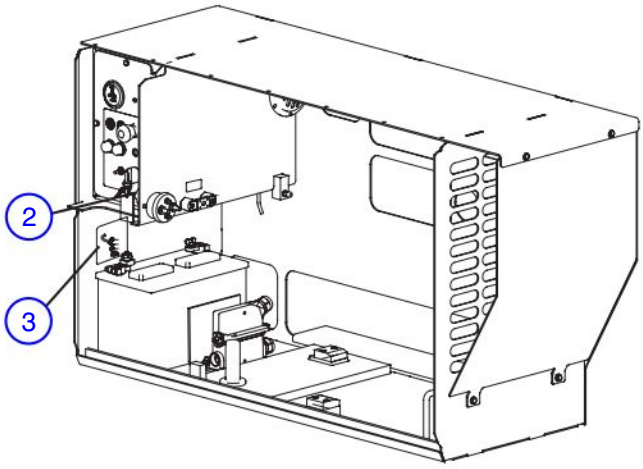
Engine Panel

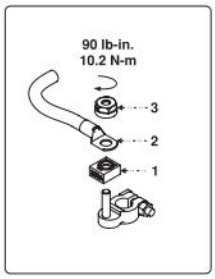


No.	Label Pictorial	Description
1		**Electrical Panel (Model 6832)** Push “” to reset ground circuit breaker. Push “” to reset power circuit breaker. Push “” to stop engine and disable controls (Emergency Stop). Light indicates controls enabled. Push and hold “” to start engine. Push and hold “” to operate choke (dual fuel) or “” glow plugs (diesel). Select “” gasoline or “” propane. Light “” indicates glow plug operation (diesel). Light “” indicates two person platform capacity has been selected. Select “” to raise or “” to lower platform. Select “” to allow engine to run with no controls active, select “” to enable platform controls or “” to enable base control console. Read operating manual.

Labels - Models 6826 & 6832

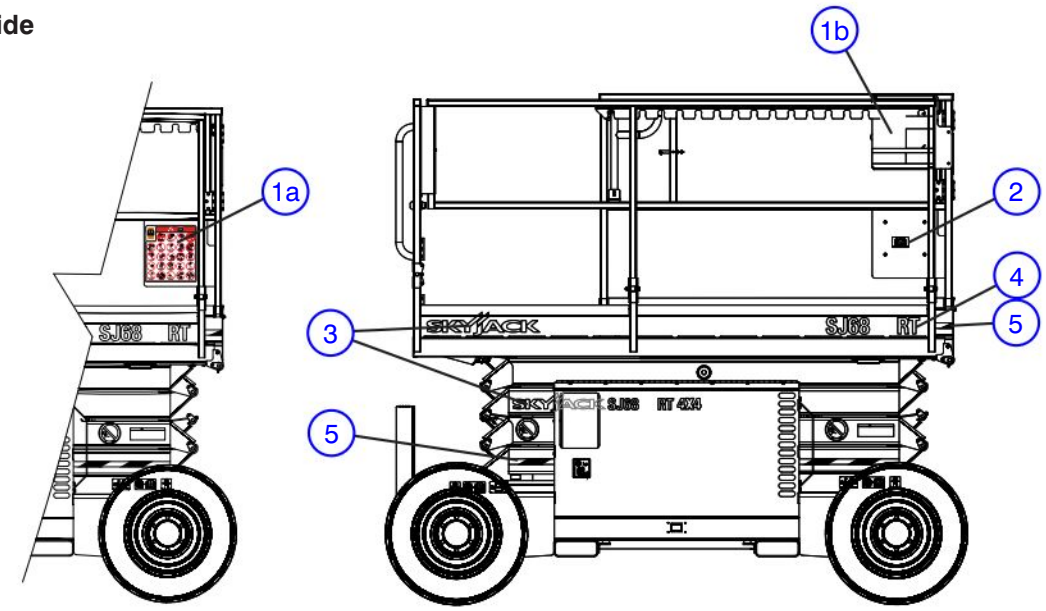
Engine Panel (Continued)



No.	Label Pictorial	Description
2		**Main Power Disconnect** Main power disconnect switch
3		**Battery Fuse Assembly** Assemble fuse as shown. Torque to value indicated.

Labels - Models 6826 & 6832

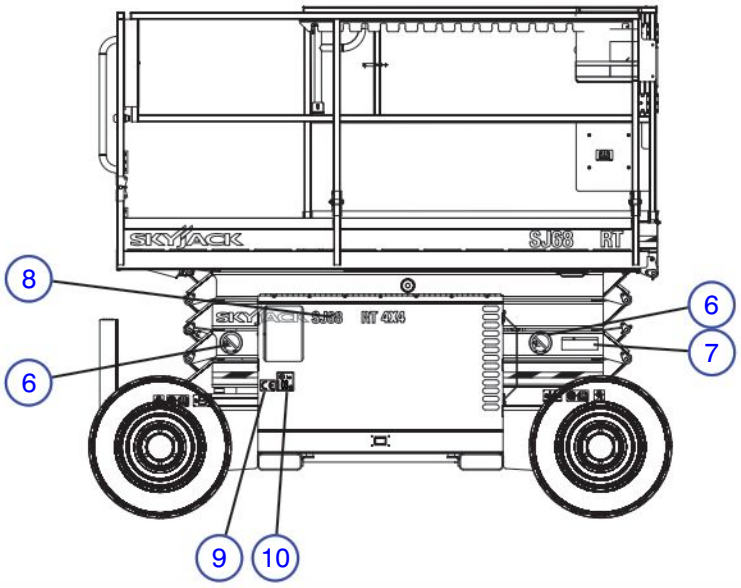
Right Side

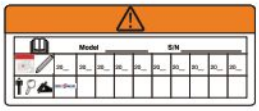


No.	Label Pictorial	Description
1a		**Hazard Identification** Refer to Section 1: Safety Rules. Read and understand the outlined risks associated with this work platform prior to operation. Indicates location of operating manual.
1b		**Hazard Identification** Refer to Section 1: Safety Rules. Read and understand the outlined risks associated with this work platform prior to operation.
2		**Manual Storage Box** Indicates location of operating manual.
3	SKYJACK	**Skyjack Logo** Skyjack
4	SJ6832 RT	**Model Number*** Product Identifier *Model number will vary, may not be as shown.
5		**Caution Tape Stripe** Caution stripe

Labels - Models 6826 & 6832

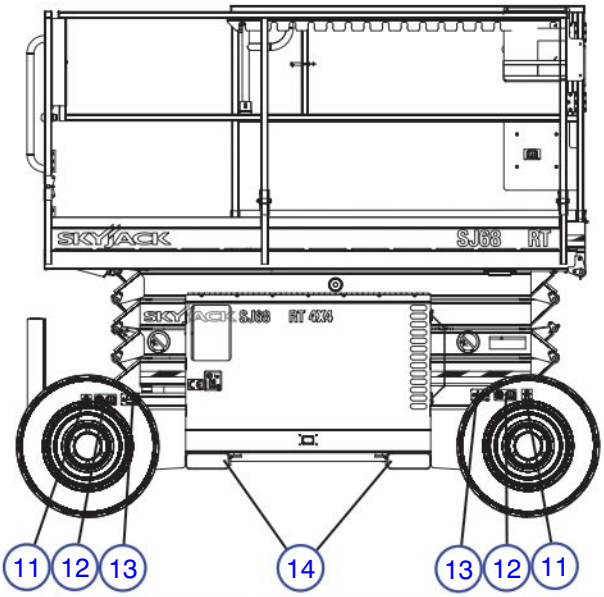
Right Side (Continued)



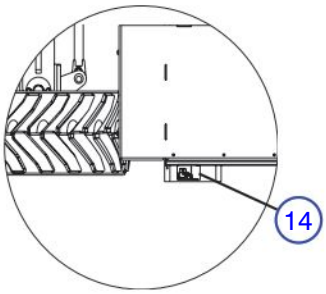
No.	Label Pictorial	Description
6		**Keep Clear** Keep clear. Stay away from aerial platform when in operation.
7		**Annual Inspection** Ensure that work platform has received annual inspection prior to operation.
8	SJ6832 RT 4X4	**Model Number*** Product Identifier *Model number will vary, may not be as shown.
9		**“CE”** CE rating mark
10		**Sound Power Level** Guaranteed maximum sound power level

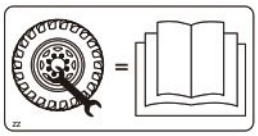
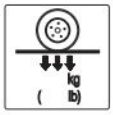
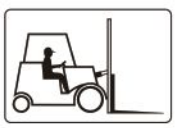
Labels - Models 6826 & 6832

Right Side (Continued)



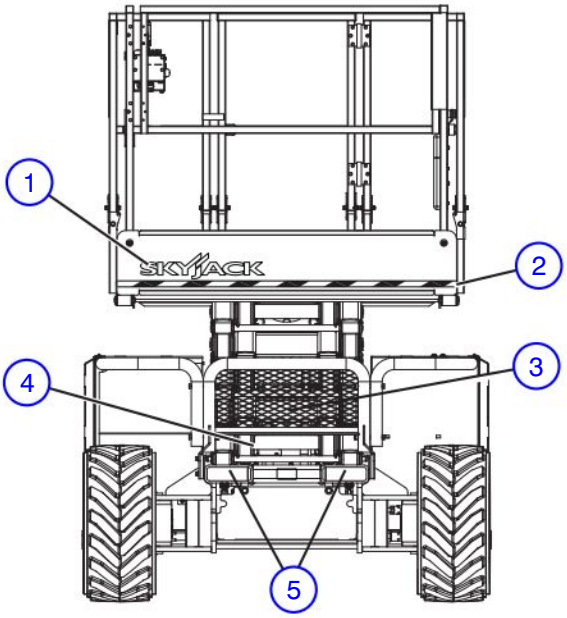
Top View



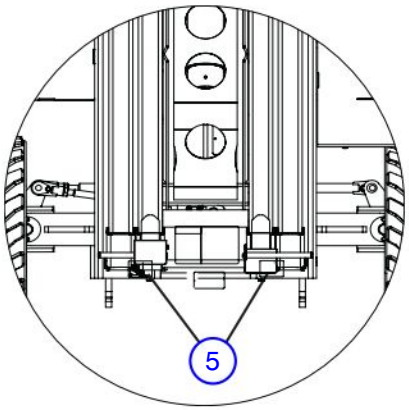
No.	Label Pictorial	Description
11		**Foam-filled Tire** Indicates foam-filled tire only.
12		**Wheel Specifications** Refer to manual for wheel type, offset, pressure and torque.
13		**Wheel Load** Indicates rated wheel load.
14		**Forklift Lifting Location** Insert fork fully into forklift lifting location to lift aerial platform.

Labels - Models 6826 & 6832

Front Side



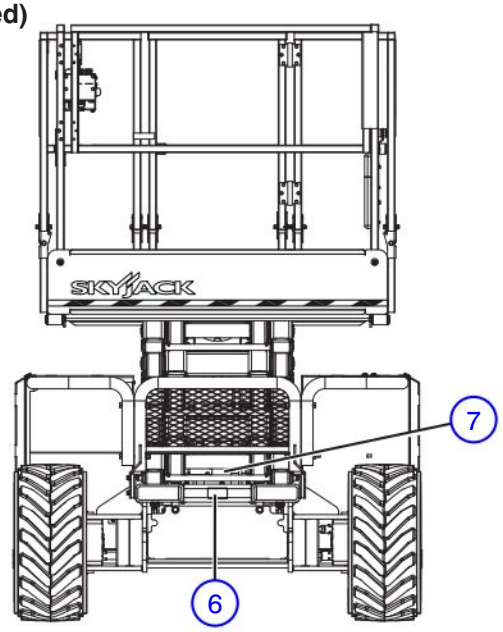
Top View



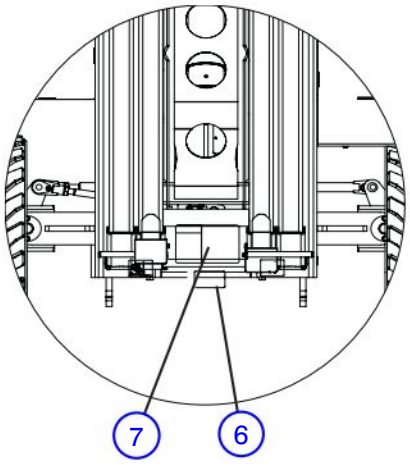
No.	Label Pictorial	Description
1	SKYJACK	**Skyjack Logo** Skyjack
2		**Caution Tape Stripe** Caution stripe
3		**Serial Plate** Product identification and specifications
4		**Maintenance Support** Deploy maintenance support here.
5		**Forklift Lifting Location** Insert fork fully into forklift lifting location to lift aerial platform.

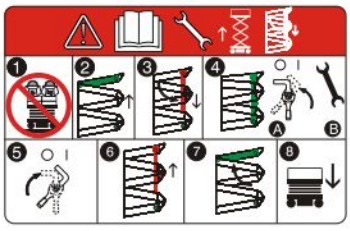
Labels - Models 6826 & 6832

Front Side (Continued)



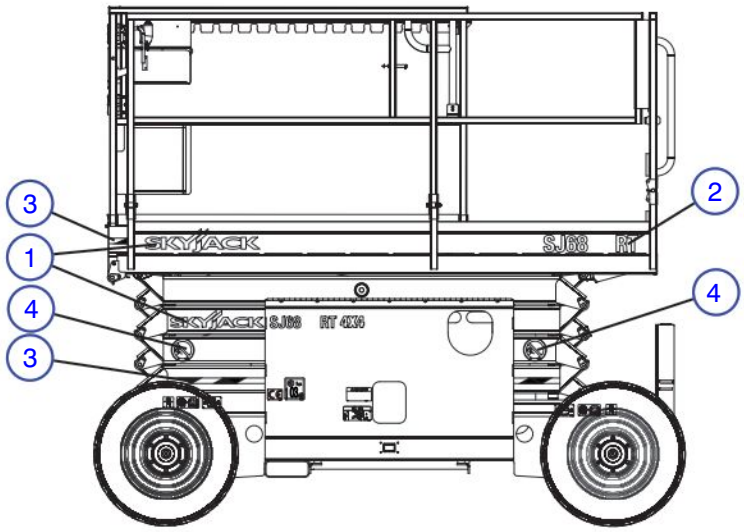
Top View



No.	Label Pictorial	Description
6	 	**Lift and Tie Down Points** Only use these points for lifting or tying down.
7		**How to engage maintenance support for inspection or maintenance.** Refer to Operating 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.

Labels - Models 6826 & 6832

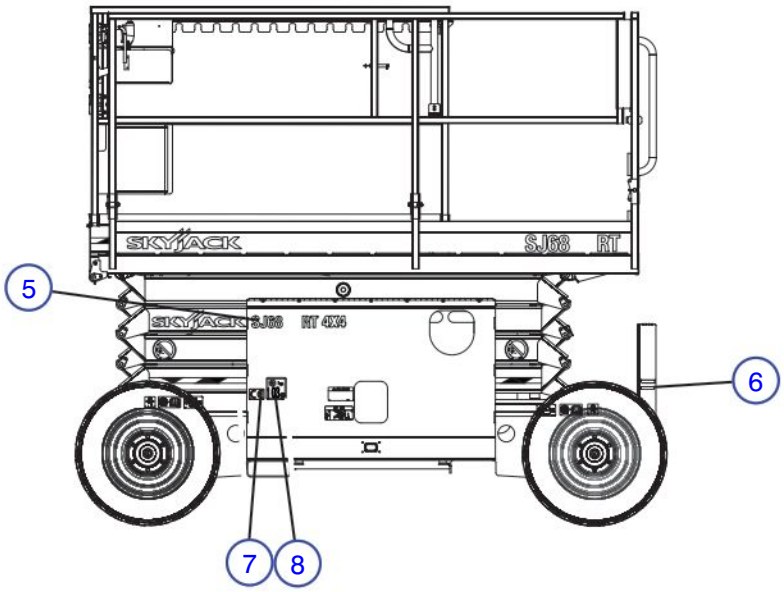
Left Side

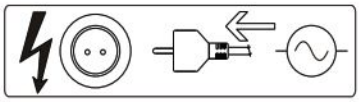


No.	Label Pictorial	Description
1	SKYJACK	**Skyjack Logo** Skyjack
2	SJ6832 RT	**Model Number*** Product Identifier *Model number will vary, may not be as shown.
3		**Caution Tape Stripe** Caution stripe
4		**Keep Clear** Keep clear. Stay away from aerial platform when in operation.

Labels - Models 6826 & 6832

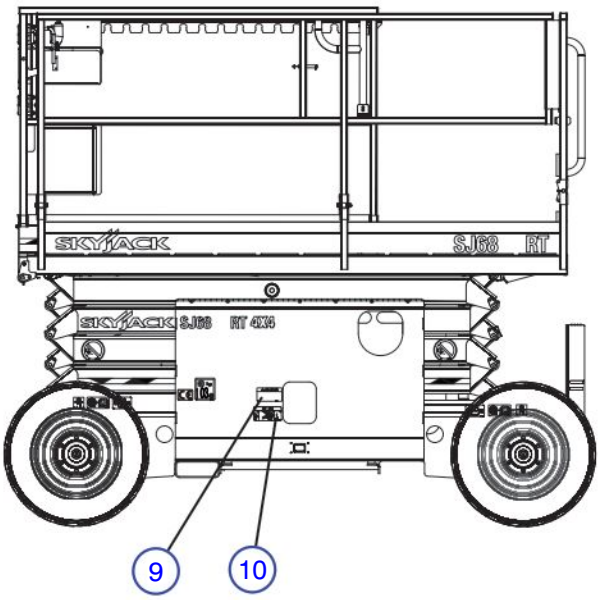
Left Side (Continued)

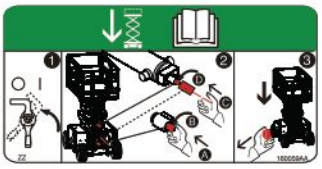


No.	Label Pictorial	Description
5	SJ6832 RT 4X4	**Model Number*** Product Identifier *Model number will vary, may not be as shown.
6		**Connect AC Supply** Connect AC supply here.
7		**“CE”** CE rating mark
8		**Sound Power Level** Guaranteed maximum sound power level

Labels - Models 6826 & 6832

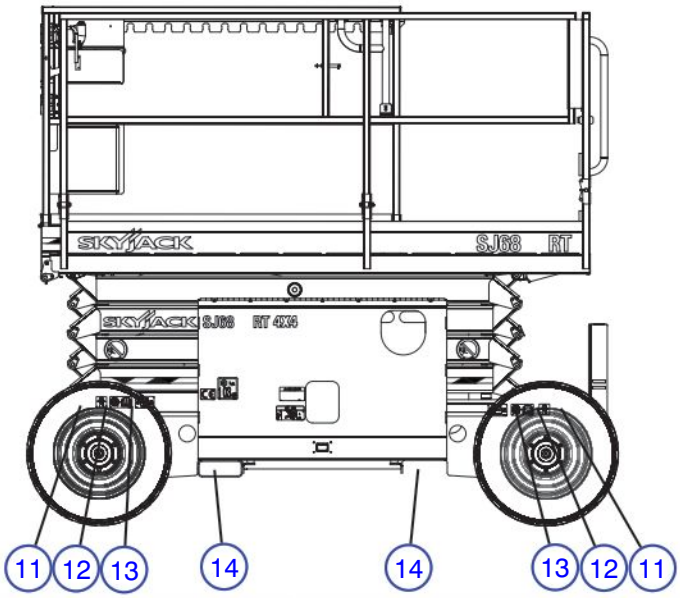
Left Side (Continued)



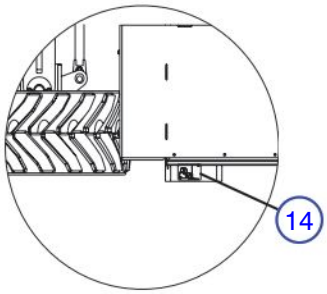
No.	Label Pictorial	Description
9		**Winching/Towing/Pushing Procedure** Refer to Operating manual. 1. Block or chock wheels to prevent aerial platform from rolling. 2. Turn main power disconnect switch to off position. 3. Locate free-wheeling valve, brake valve, and pump. 4. Open free-wheeling valve 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 aerial platform from rolling. 9. Reset brake by pulling out black knob. 10. Close free-wheeling valve by turning it clockwise.
10		**Emergency Lowering Procedure** Refer to Operating 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.

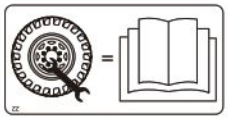
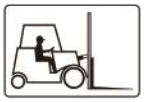
Labels - Models 6826 & 6832

Left Side (Continued)



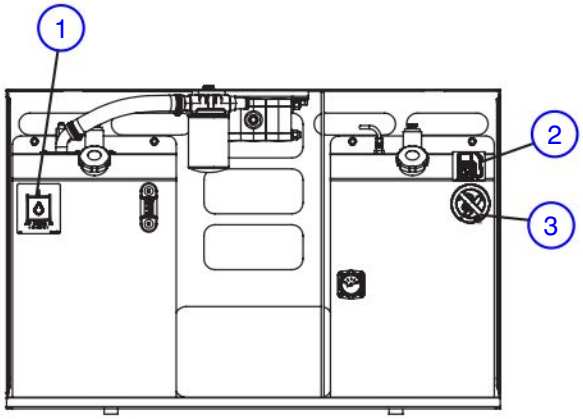
Top View

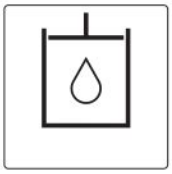
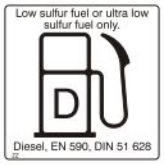


No.	Label Pictorial	Description
11		**Foam-filled Tire** Indicates foam-filled tire only.
12		**Wheel Specifications** Refer to manual for wheel type, offset, pressure and torque.
13		**Wheel Load** Indicates rated wheel load.
14		**Forklift Lifting Location** Insert fork fully into forklift lifting location to lift aerial platform.

Labels - Models 6826 & 6832

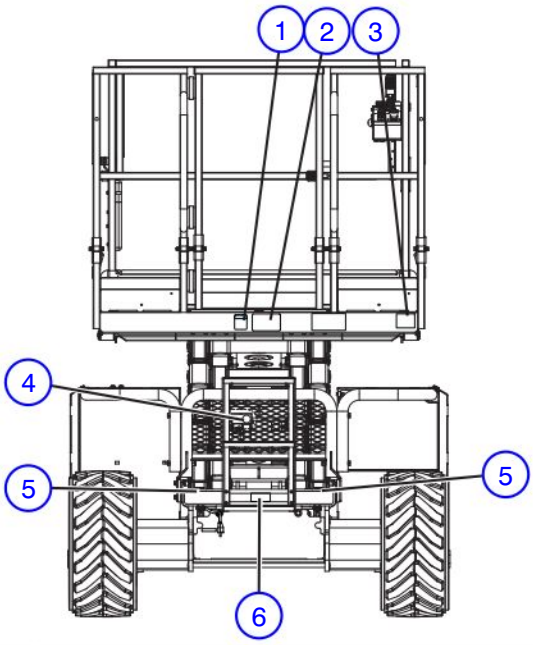
Hydraulic/Fuel Compartment



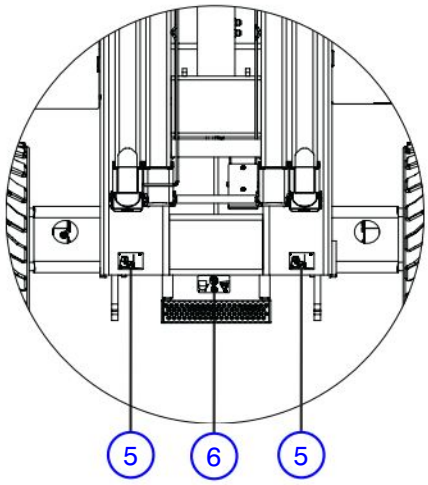
No.	Label Pictorial	Description
1		**Hydraulic Oil ATF Dexron III** Replace hydraulic fluid with ATF Dexron III only.
2		**Diesel** Use diesel fuel only.
3		**No Smoking** Do not smoke near this location.

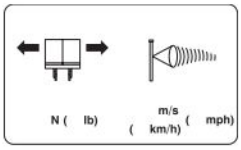
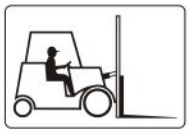
Labels - Models 6826 & 6832

Back Side



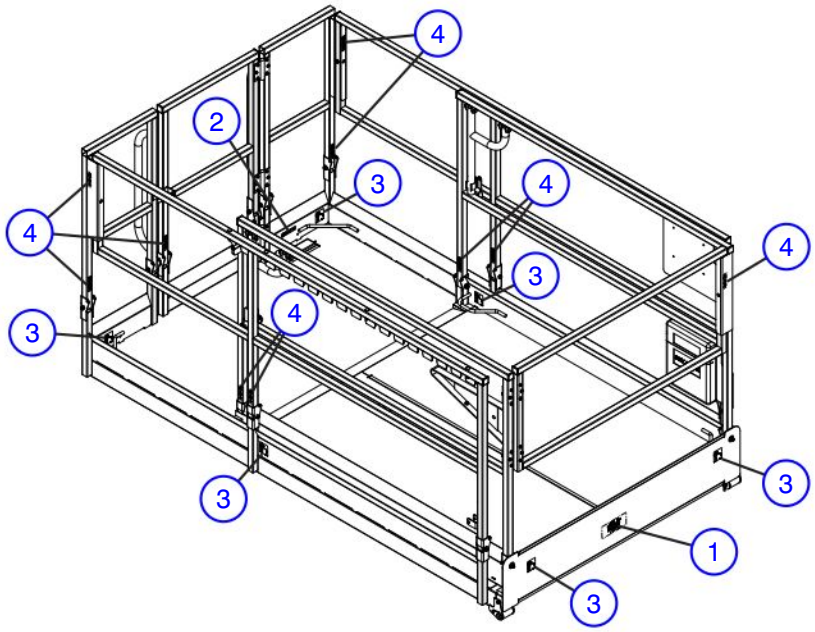
Top View

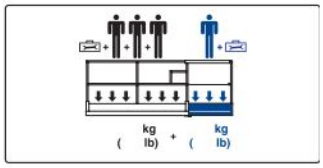
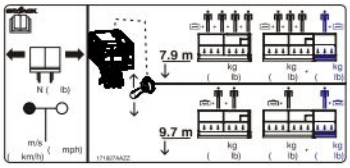
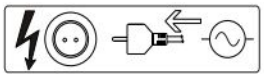


No.	Label Pictorial	Description
1		**Operator's Daily Inspection.** Refer to the Operating manual. Perform visual inspection and function tests at the beginning of each shift. Refer to Section 4: Maintenance and Inspection Schedule.
2		**Horizontal Load Rating** Apply no more than the indicated side load. Operate below indicated wind speed only.
3		**No Jewelry** Caution - Do not wear jewelry.
4		**Warning - Do Not Alter** Do not alter or disable limit switches or other safety devices.
5		**Forklift Lifting Location** Insert fork fully into forklift lifting location to lift aerial platform.
6	 	**Lift and Tie Down Points** Only use these points for lifting or tying down.

Labels - Models 6826 & 6832

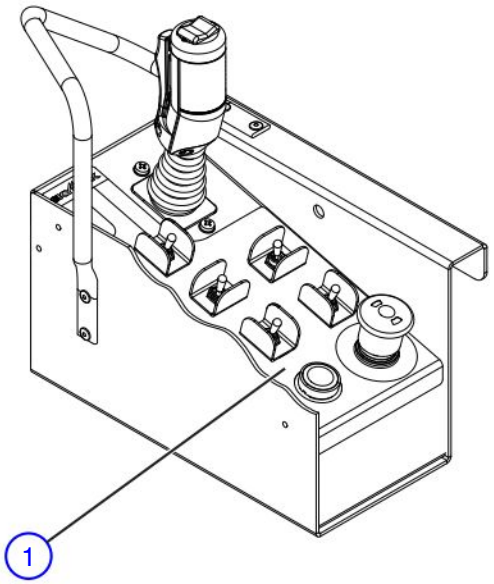
Platform View

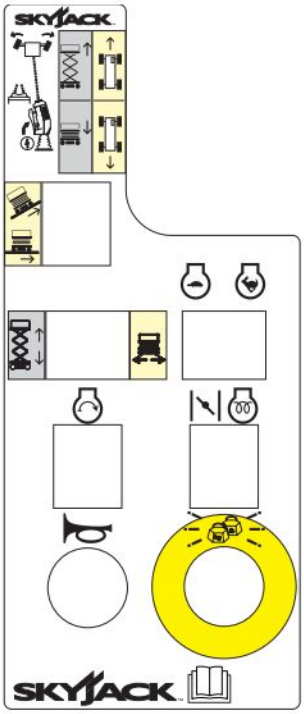


No.	Label Pictorial	Description
1		**Platform Capacity** Platform capacity label for 6826RT. Rated work load in each configuration is as shown. Rated work load includes the weight of both personnel and material. Maximum number of people in each configuration is as shown. Do not exceed total weight or maximum number of people. Load platform uniformly.
		**Platform Capacity** Platform capacity label for 6832RT. Rated work load in each configuration is as shown. Rated work load includes the weight of both personnel and material. Maximum number of people in each configuration is as shown. Do not exceed total weight or maximum number of people. Load platform uniformly. The platform capacity selector switch is located on the platform. This switch is used to select either four person or two person platform capacity.
2		**Connect AC Supply** Connect AC supply here.
3		**Fall Protection Anchorage** Rated for one (1) person per anchorage.
4		**Railing Pins (Vertical)** WARNING! Falling Hazard. Ensure hinged railing is pinned.

Labels - Models 6826 & 6832

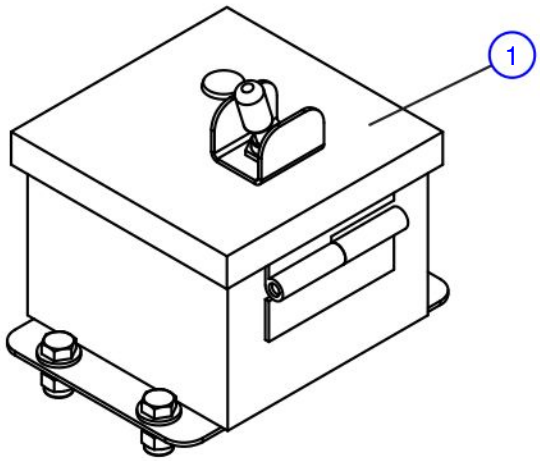
Platform Control Console

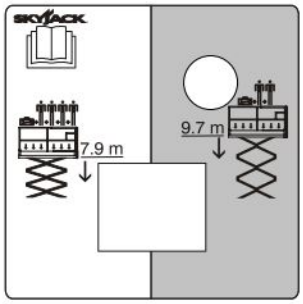


No.	Label Pictorial	Description
1		**Platform Control Console** Squeeze “ ” trigger to enable controller. Operate “ ” rocker switch to steer. Move controller forward “ ” to raise or backward “ ” to lower platform. Move controller forward “ ” to drive forward or backward “ ” to drive reverse. Select either “ ” drive mode with low speed (high torque) or “ ” drive mode with high speed (low torque). Select either “ ” lift mode or “ ” drive mode. Select either “ ” low or “ ” high engine throttle speed. Select and hold “ ” to start engine. Select and hold “ ” to operate “ ” glow plugs (diesel). Push “ ” to sound horn. Push “ ” to stop engine and disable controls (Emergency Stop). Light indicates controls enabled. Read “ ” operating manual.

Labels - Models 6826 & 6832

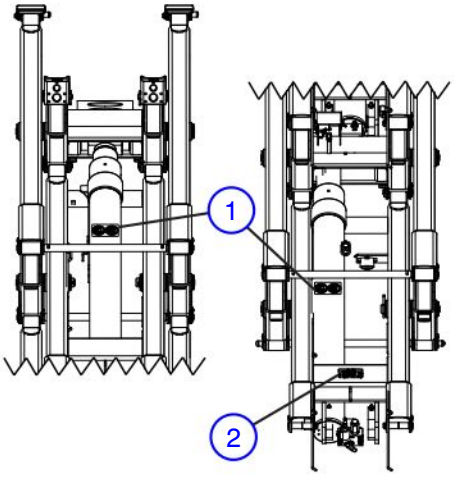
Dual Capacity Control Console (Model 6832)

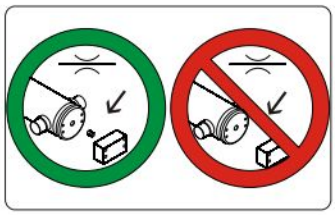
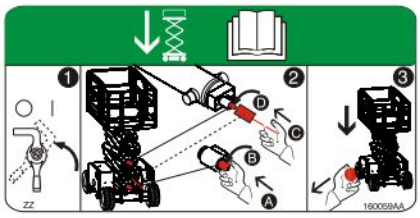


No.	Label Pictorial	Description
1		**Dual Capacity Control Console (Model 6832)** Lift and select either “” four person or “” two person platform capacity. Light “” indicates two person platform capacity has been selected.

Labels - Models 6826 & 6832

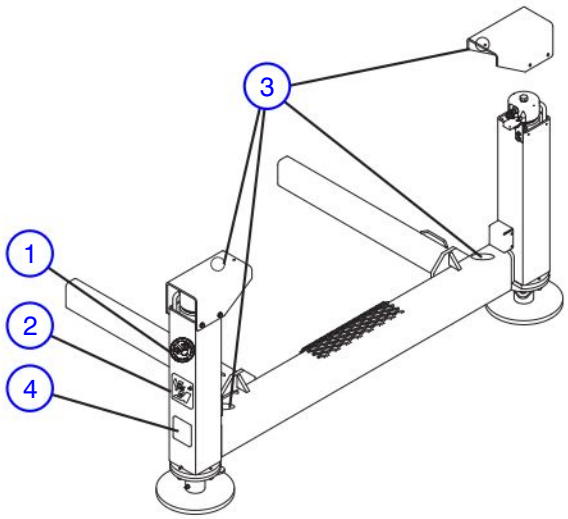
Lift Cylinders

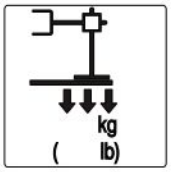


No.	Label Pictorial	Description
1		**Orifice Installed** Orifice installation warning
2		**Emergency Lowering Procedure** Refer to Operating manual. 1. Turn main power disconnect switch to off position. 2. To open the lift cylinder holding valves located at the bottom of each cylinder: if higher reach 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.

Labels - Models 6826 & 6832 - Options and Attachments

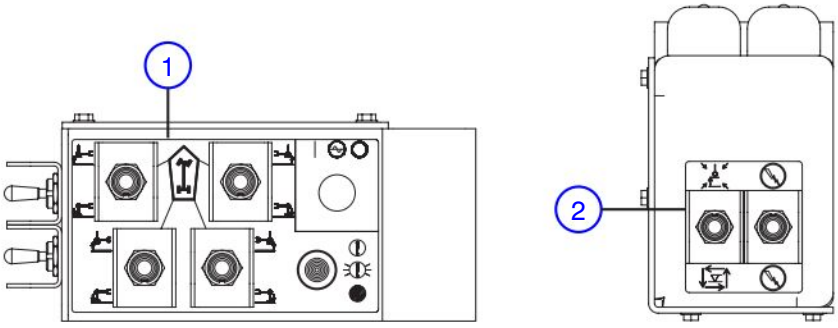
Outriggers

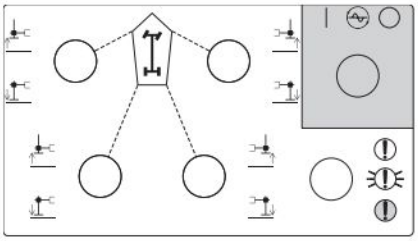
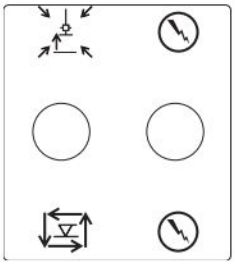


No.	Label Pictorial	Description
1		**Keep Clear** Keep clear. Stay away from aerial platform when in operation.
2		**Crushing Hazard** Danger - Crushing hazard
3		**Warning - Do Not Alter** Do not alter or disable limit switches or other safety devices.
4		**Outrigger Load** Indicates rated outrigger load.

Labels - Models 6826 & 6832 - Options and Attachments

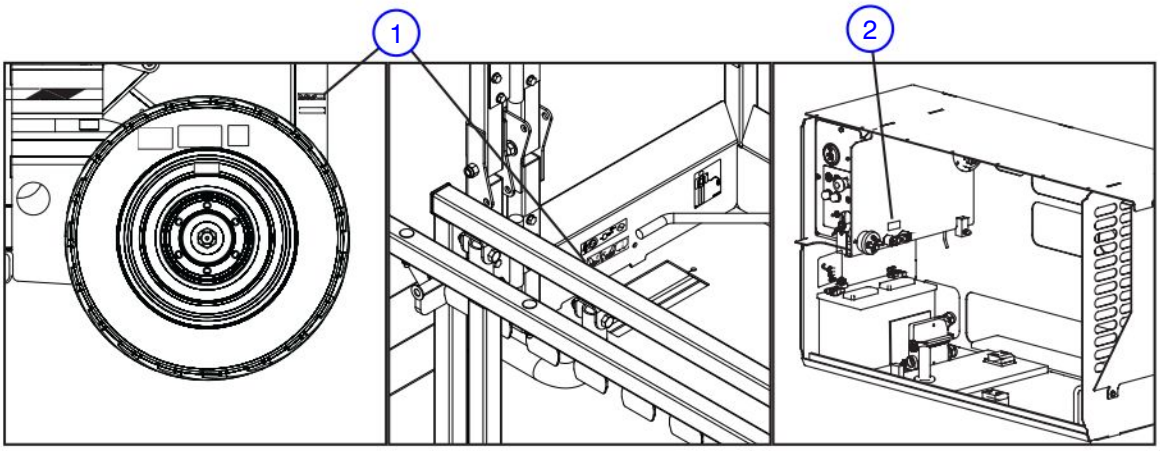
Outrigger Control Console

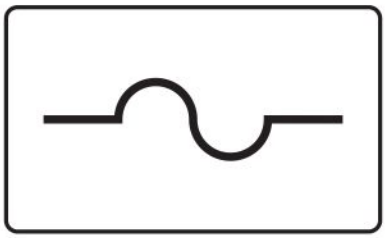


No.	Label Pictorial	Description
1		**Manual Outrigger Control Console with Generator** Select "" retract or "" extend for each outrigger. Select "" to enable or "" to disable generator. Indicates leveling system status:  **Off:** The outriggers are fully retracted.  **Flashing Rapidly:** The outriggers 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.

Labels - Models 6826 & 6832 - Options and Attachments

Air Supply and Inverter Options



No.	Label Pictorial	Description
1		**Connect Air Supply** Connect platform air supply here.
2		**Fuse** Fuse location

Notes

6.0 Skyjack Features

Your Skyjack machine may be equipped with the following features:

SKYCODED™

At the heart of every Skyjack machine, proven and simplistic control systems using Skyjack's colour coded and numbered wiring system make our machines the easiest to trouble shoot and repair. – Black #14 is for the lift function on a 3219, and it is lift on a 63AJ. Using an analog based control system allows Skyjack AWPs to operate using a simplified system with fewer and less expensive components – less maintenance and lower costs.

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 further expand a given products adaptability and your power to offer a truly flexible rental choice.



www.skyjack.com