SKYJACK™

OPERATING MANUAL
CE

This manual must be kept and stored with the aerial platform at all times.

Rough Terrain Series

Engine Powered

Operating Manual - CE

Models:
Mid Size: 7127, 7135
Full Size: 8831, 8841 & 9250

For Service please call ***800 275-9522***
Skyjack Service Center 3451 Swenson Ave., St. Charles, IL. 60174, USA ..... *FAX 630 262-0006*
For Parts in North America and Asia please call ***800 965-4626***
Skyjack Parts Center 3451 Swenson Ave., St. Charles, IL. 60174, USA ..... *FAX 888 782-4825*
For Parts & Service in Europe please call ***44-1691-676-235***
Skyjack Europe, Glovers Meadow, Maesbury Rd., Oswestry, Shropshire, U.K ..... *FAX 44-1691-676-239*

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Rough Terrain Series

USE THE SERIAL NUMBER OF YOUR MACHINE TO DETERMINE THE CORRECT OPERATING MANUAL TO USE								
MANUAL PART NUMBER			118945AA	122883AH	129907AB	129921AE	143860AB	143883AA
Release Date			January 2000	June 2002	August 2003	April 2006	February 2008	February 2008
MODEL	Mid Size RTs	7027	33188 & Below	33189 & Above	Not Used			
		7127 7135	Not Used	340000 to 340268	340269 to 341123	341124 to 343834	34 000 001 to 34 001 506	34 001 507 & Above
	Full Size RTs	8831	37054 & Below	37055 to 37361	37362 to 37451	37452 to 37805	36 000 001 to 36 000 193	36 000 194 & Above
		8841	42202 & Below	42203 to 42837	42838 to 43103	43104 to 43822	40 000 001 to 40 000 441	40 000 442 & Above
		9241	Not Used					
		9250	50771 & Below	50772 to 51094	51095 to 51388	51389 to 51934	50 000 001 to 50 000 512	50 000 513 & Above

60101AM-CE-R

Mid Size: 7127, 7135
Full Size: 8831, 8841 & 9250

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.

This document is a translation from English.
In case of discrepancy between the English document and this document, the English version prevails.

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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's mid and full size aerial platforms are 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. Lifting and driving must be on a flat, level, compacted 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 Series aerial platform to be free of defective parts and workmanship for the first 12 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 2.1. Operating instructions for these options (if equipped) are located in Section 2 of this manual.

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

☎ : 44-1691-676-235

🖷 : 44-1691-676-239

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 Rough Terrain's mid and full size aerial platform models listed on Table 2.1.

- Equipment identified with "CE" meets the requirements for the European countries, i.e., Machinery Directive 98/37/EC and EMC Directive 89/336/EEC 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.

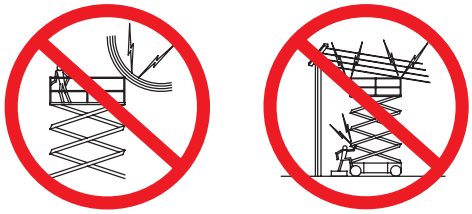
Common sense dictates the use of protective clothing when working on or near machinery. Use appropriate safety devices to protect your eyes, ears, hands, feet and body.

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.



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!

Safety Precautions

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

WARNING

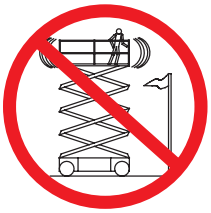
Failure to heed the following safety precautions could result in tip over, falling, crushing, or other hazards leading to death or serious injury.

- **KNOW** all national, state/provincial and local rules which apply to your aerial platform and jobsite.
- **TURN** the 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 in windy or gusty conditions.



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

- **DO NOT** drive or 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 and 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 level firm surface, the aerial platform can be elevated. After elevation, the drive function must not be activated.

- **Elevated driving** must only 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 2.3 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** operate an aerial platform that has ladders, scaffolding or other devices mounted on it to increase its size or work height. It is prohibited.

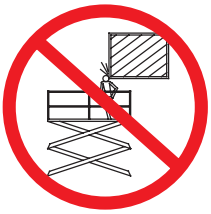
- **DO NOT** exert side forces on aerial platform while elevated.

- **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.

- **BE AWARE** of overhead obstructions or other possible hazards around the aerial platform when driving or lifting.

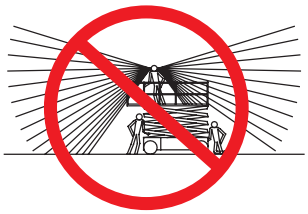


- **DO NOT** raise the platform while the aerial platform is on a truck, forklift or other device or vehicle.

- **BE AWARE** of crushing hazards. Keep all body parts inside platform guardrail.

- **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.
- **STUNT** driving and horseplay are prohibited.
- **ENSURE ALL** tires are in good condition and lug nuts are properly tightened.
- **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.

Safety Precautions (Continued)

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

- **DO NOT** exceed the rated capacity of the aerial platform. Do make sure the load is evenly distributed on the platform.
- **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.

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 blocked 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.

2.0 Operation

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

2.1 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 section.

2.1-1 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.

2.1-2 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 2.8, even if the operator is not directly responsible for the maintenance of this aerial platform.

2.1-3 Maintenance and Inspection Schedule

- The inspection points covered in Table 2.8 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.

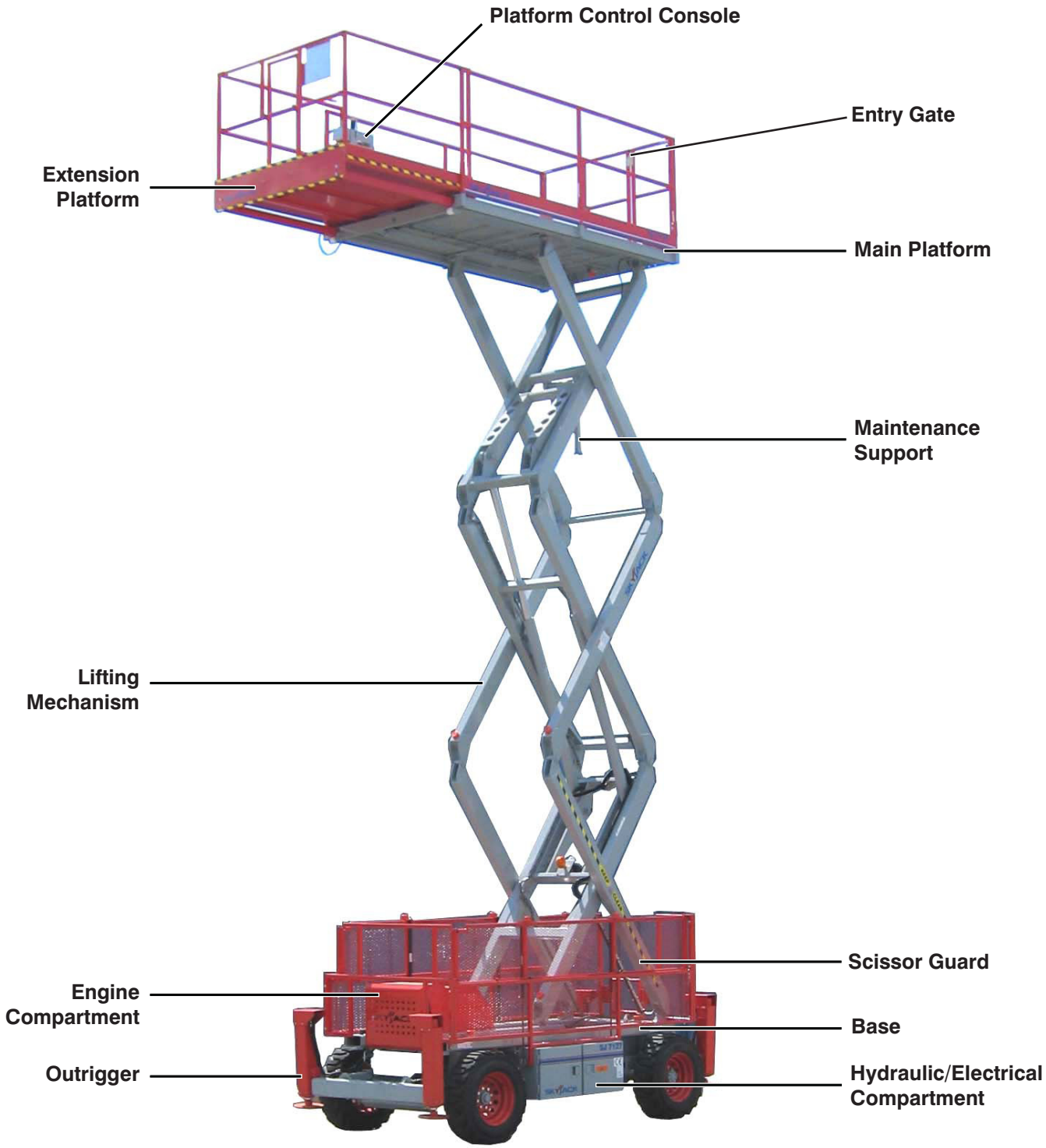
WARNING

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

2.1-4 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 2.8 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 2.2 in this manual.

2.2 Major Components



SKYJACK Model 7127 Aerial Platform

2.3 Major Assemblies

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

2.3-1 Base

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

Models 71xx & 88xx

- One compartment contains the hydraulic and electrical components, and base control console. The other compartment contains the fuel and hydraulic tanks.
- The propane cylinder is either located behind the access ladder or behind the fuel compartment.
- The front axle is steered by a hydraulic cylinder and is either non-driven (2WD) or drive shaft/gear box driven (4WD).
- The rear axle is drive shaft/gear box driven and has a spring-applied hydraulically released disc brake.
- A roll-out tray at the front of the base supports an engine coupled with a two-section hydraulic pump providing power to the hydraulic system.
- An engine control console is also located at the front of the base.
- The 12V starter battery is located in the hydraulic/electrical compartment or at the front of the engine roll-out tray.

Model 9250

- One compartment contains the hydraulic tank, hydraulic and electrical components, base control console, emergency lowering battery and starter battery.
- The other compartment contains the fuel tank and Liquid Propane (LP) tank (if equipped).
- The front axle is steered by a hydraulic cylinder and is either non-driven (2WD) or drive shaft/gear box driven (4WD).
- The rear axle is drive shaft/gear box driven and has two spring-applied hydraulically released brakes.
- A roll-out tray at the front of the base supports an engine coupled with a two-section hydraulic pump providing power to the hydraulic system.
- An engine control console is also located at the front of the base.

2.3-2 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.

2.3-3 Platform

The platform is constructed of a tubular support frame, a skid-resistant “diamond plate” platform surface and 1100 mm hinged guardrails with 152 mm toe boards and mid-rails. The platform can be entered from either side through a spring-returned gate for full size RT’s and from the rear through a spring-returned gate for mid size RT’s. The full size RT’s can be equipped with a front or rear (or both) extension platform(s). The mid size RT’s are equipped with a front extension platform. A 220V outlet is also located on the platform.

2.4 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
- Maximum wind speed
- Maximum manual force
- Maximum incline

2.5 Component Identification

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

2.5-1 Main Power Disconnect Switch

This switch is located at the side of the hydraulic/ electrical compartment.

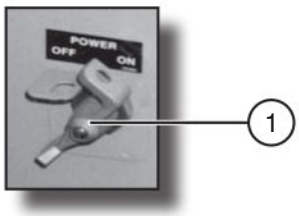


Figure 2-1. Main Power Disconnect Switch

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.

2.5-2 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.

2.5-3 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.

2.5-4 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 2.4 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 2.15.

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.

2.5-5 Base Control Console

This control console is located at the rear of the hydraulic/electrical compartment. It contains the following controls:

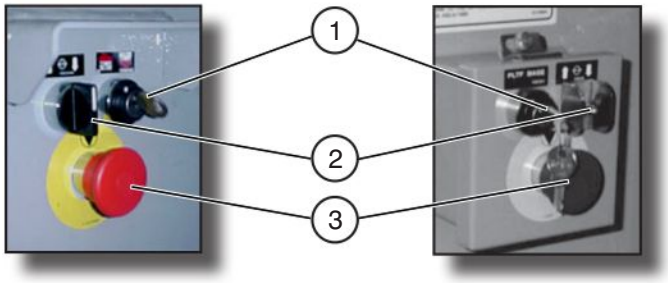


Figure 2-2. Base Control Console

1. **Platform/Base Key Switch** - Selecting "" platform position enables the platform control console. Selecting "" base position enables the base control console.

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

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

2.5-6 Electrical Control Console

This auxiliary control console is located in the hydraulic/electrical compartment. It contains the following controls:

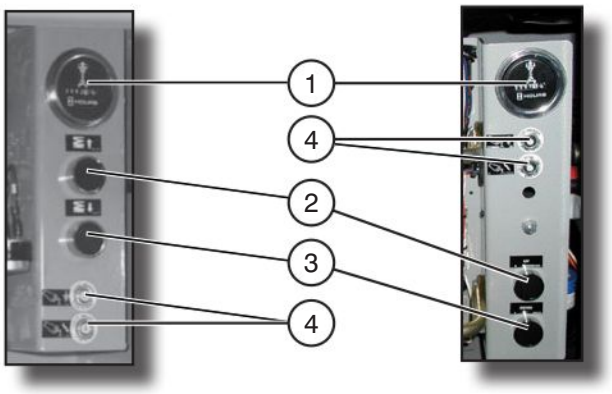


Figure 2-3. Electrical Control Console

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

2. **Platform Raise Pushbutton** - This pushbutton will "" raise platform to desired height.

3. **Platform Lower Pushbutton** - This pushbutton will "" lower platform to desired height.

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

2.5-7 Engine Control Console

This control console is attached to the engine at the front of the base. It contains the following controls:

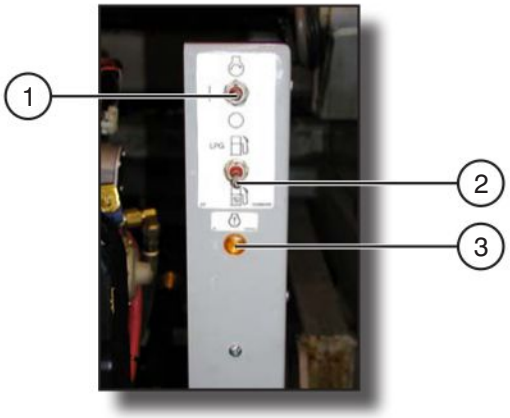


Figure 2-4. Engine Control Console - Dual Fuel

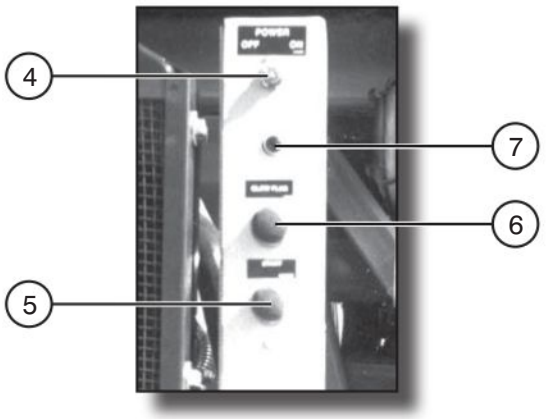


Figure 2-5. Engine Control Console - Diesel Engine

1. **Engine Off/On/Start Switch** - This switch, when set to middle position, will energize engine circuit. Set switch to up position to start engine (switch will return to middle position when released.) Set switch to down position to turn engine off.

2. **Fuel Select Switch** - Used to switch between "" liquid propane gas and "" gasoline.

3. **Engine Warning Light** - When engine switch is set to on position, the amber-colored light will flash continuously to indicate normal operation.

4. **Engine Off/On Switch** - This switch, when pulled out, will energize engine circuit and platform control console. Push switch in to turn engine off.

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

6. **Glow Plug Pushbutton** - This pushbutton energizes the glow plugs to aid in starting a cold diesel engine. Glow plugs are only active while pushbutton is depressed.

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

2.5-8 Brake System

The brake system for model 71xx & 88xx is located on the main manifold in the hydraulic/electrical compartment. For model 9250, it is located at the rear of the base. The brakes must be manually disengaged before pushing, winching or towing. Refer to Section 2.13 for procedure on how to release the brake manually. The system contains the following controls:

Pin Brakes (If Equipped)

Disc Brake (If Equipped)

Figure 2-6. Brake System

1. Brake Hand Pump
2. Brake Auto Reset Valve Plunger

2.5-9 Emergency Powered Extension Platform Retraction System (Model 9250)

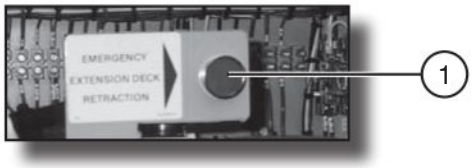


Figure 2-7. Emergency Powered Extension Platform Retraction System

1. **Emergency Extension Platform Retraction Switch** - This system is located in the hydraulic/electrical compartment. Refer to Section 2.10-8 for emergency retract procedure.

2.5-10 Emergency Lowering System

This emergency lowering system allows platform lowering in the event of an emergency or an electrical system failure. Refer to Section 2.15 for the emergency lowering procedures. The system contains the following controls:

Models 71xx & 88xx

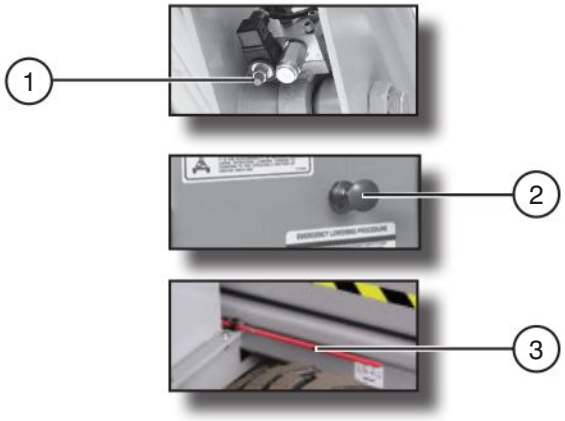


Figure 2-8. Emergency Lowering System

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 rear of the hydraulic/electrical compartment.

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

Model 9250

This emergency lowering system is located on the hydraulic tank and is accessed through a hole in the hydraulic/electrical compartment door.

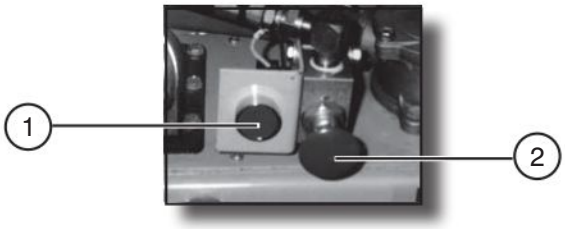


Figure 2-9. Emergency Lowering System

1. Emergency Lowering Red Pushbutton
2. Emergency Lowering Valve

2.5-11 Lowering Warning System

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

2.5-12 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. To lower the maintenance support, push lock lever rearward and the maintenance support will drop. Refer to Section 2.16 for procedure on how to use and store the maintenance support.

Figure 2-10. 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.

2.5-13 Manual Storage Box

This weather-resistant box is mounted inside of the hydraulic/ electrical compartment. 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.

2.5-14 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 2.14 for guardrail folding procedure.

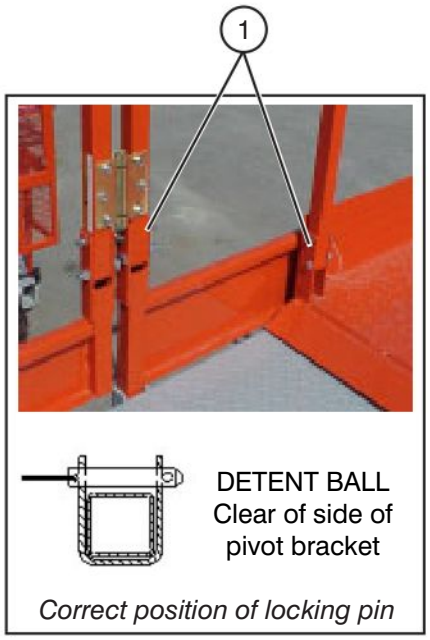


Figure 2-11. Guardrail Locking Pin

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.

2.5-15 Lanyard Attachment Anchorage

Use this as an attachment point for safety belt/harness tethers. Do not attach belts/harnesses to any other point on the platform. Do not use this point to lift, anchor, secure or support the platform or any other apparatus or material.

Figure 2-12. Lanyard Attachment Ring

WARNING

The lanyard attachment anchorage is used for travel restraint, within the limits of the platform only. It is not a fall arresting device! Used as such could result in death or serious injury.

2.5-16 Platform Control Console

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

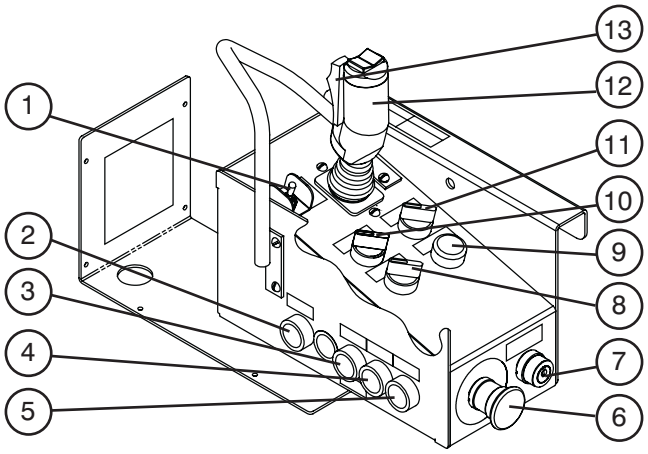


Figure 2-13. Platform Control Console

1. **Torque Switch** - This switch, when in "" high torque position, cuts out high range and 3rd speed to provide maximum torque when climbing grades and on rough terrain. When in "" low torque position, all three speeds are available.

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

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

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

NOTE

The engine start pushbutton 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.

5. **Lift Enable Pushbutton** - When depressed and held, this "" pushbutton allows the lift functions to operate.

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

7. **Off/Lift/Drive Key Switch** - Selecting "" off position disconnects power from both lift and drive circuits. Selecting "" lift position energizes the lift circuit. Selecting "" drive position energizes the drive circuit.

8. **Raise/Off/Lower Switch** - This switch controls "" raising or "" lowering of the platform.

9. **Operation Light** - The red colored light indicates upper control availability and overload status. When the light is continuously illuminated, upper controls are available. When the light is flashing, it signals an overload function. Refer to Section 2.5-4.

10. **Low/High Speed Range Switch** - This switch selects "" low speed range (high torque) or "" high speed range (low torque).

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

12. **Drive/Steer Controller** - This one-hand lever controls drive speed and steer motion. Internal springs return it to neutral when controller is released.

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

2.6 Component Identification (Special Options)

This following descriptions are for identification, explanation and locating purposes only of optional equipment.

2.6-1 Generator/Outrigger Control Console (If Equipped)

The outrigger control console are located next to the platform control console. These switches control the outriggers' extension and retraction.

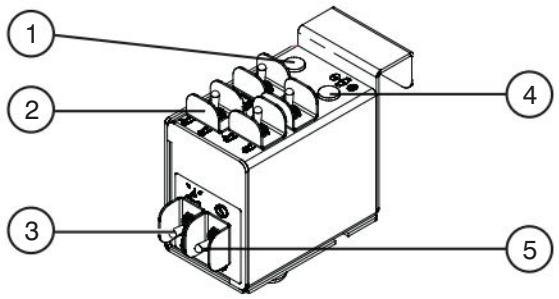


Figure 2-14. Outrigger Controls with All Options on Auxiliary Control Console

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

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

3. **Auto-Level Switch** - When this switch is in the "  " extend position, each outrigger will extend and automatically adjust until the aerial platform is level. When the switch is in the "  " retract position, the outriggers will retract.

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

5. **Leveling Indicator Light** - This light functions when the auto and manual level functions are in use and illuminates to display the status of the auto-leveling outriggers. 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.

2.6-2 Powered Extension Control Console (If Equipped)

This control console is mounted on one of the extension platform guardrails. It contains the following controls:

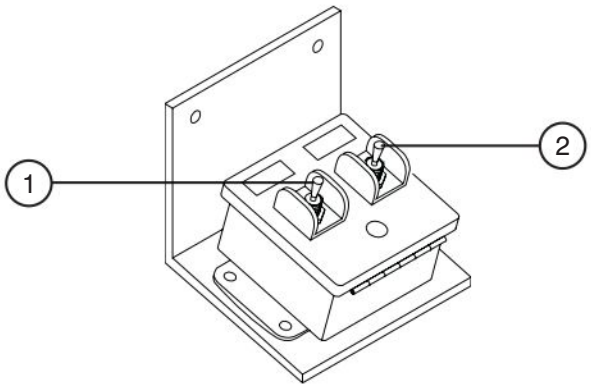


Figure 2-15. Powered Extension Control Console

1. **Enable Switch** - This switch, when activated and held allows the extension platform extend/retract switch functions to operate.

2. **Extend/Retract Switch** - This switch, when activated, extends or retracts the powered extension platform. Refer to Section 2.10-8 on how to extend/retract the powered extension platform.

2.6-3 1500W AC Inverter (If Equipped)

The inverter is located on the base of the aerial platform. It has the following controls:

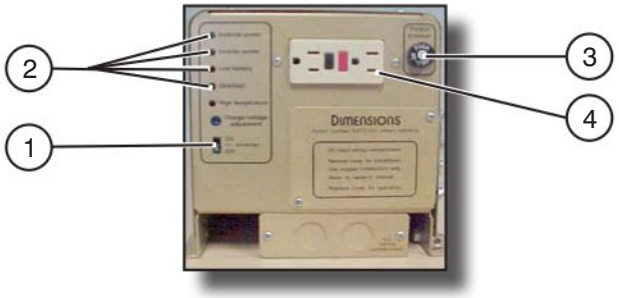


Figure 2-16. 1500W AC Inverter

NOTE

The inverter operation is automatic. These controls do not need to be manipulated for normal operation.

1. **On/Off Switch** - This diagnostic slide switch activates or terminates inverter operation. It should remain in the on position.

2. **Status LEDs** - These LEDs indicate the operating or fault status of the inverter.

3. **15 Amp Circuit Breaker** - In the event of a power overload or circuit grounding, the circuit breaker pops out. Press the breaker back in to reset.

4. **GFCI Outlet** - During inverter operation, this outlet provides AC power.

2.7 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.

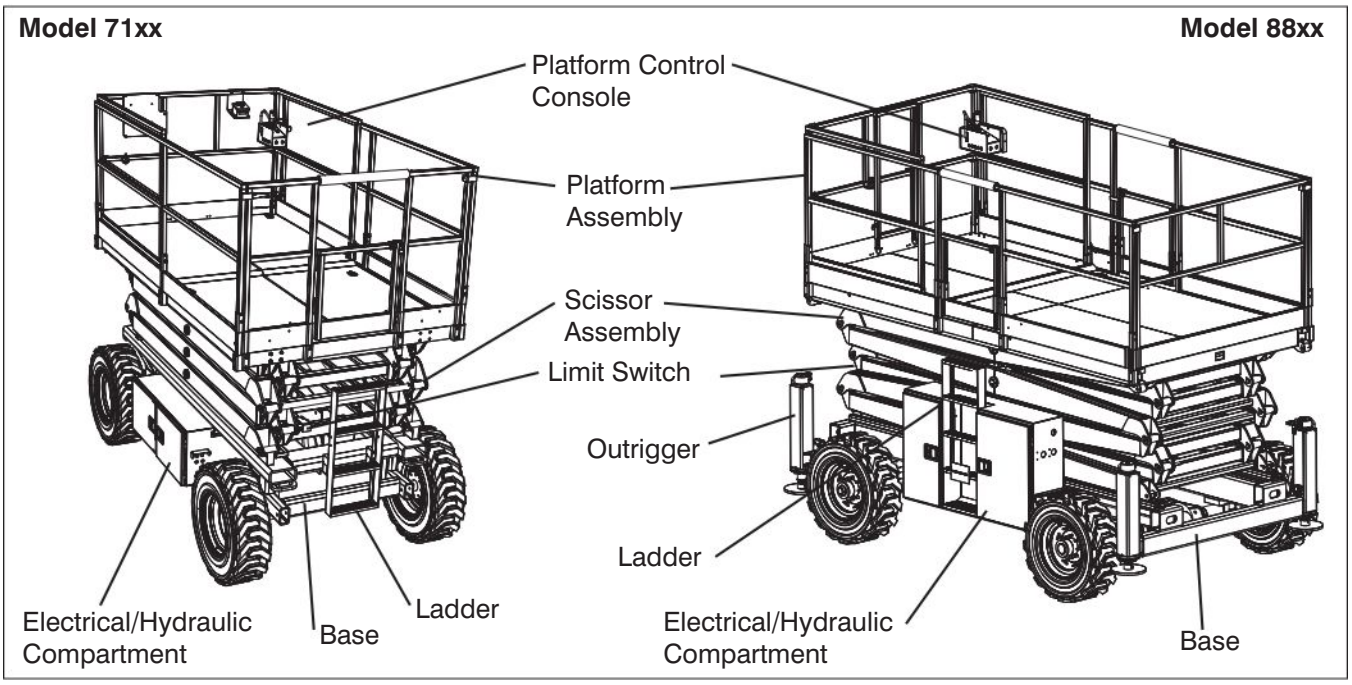
The operator should make a copy of the Operator's Checklist (see Table 2.9) and fill out the visual and daily maintenance inspections and the function tests sections while performing the items outlined in Section 2.8 and Section 2.9.

IMPORTANT

If damaged or any unauthorized variation from factory-delivered condition is discovered, the 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 2.8).



2.8 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.

NOTE

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

2.8-1 Labels

Refer to the labels section in this manual and determine that all labels are in place and are legible.

2.8-2 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

2.8-3 Limit Switches

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

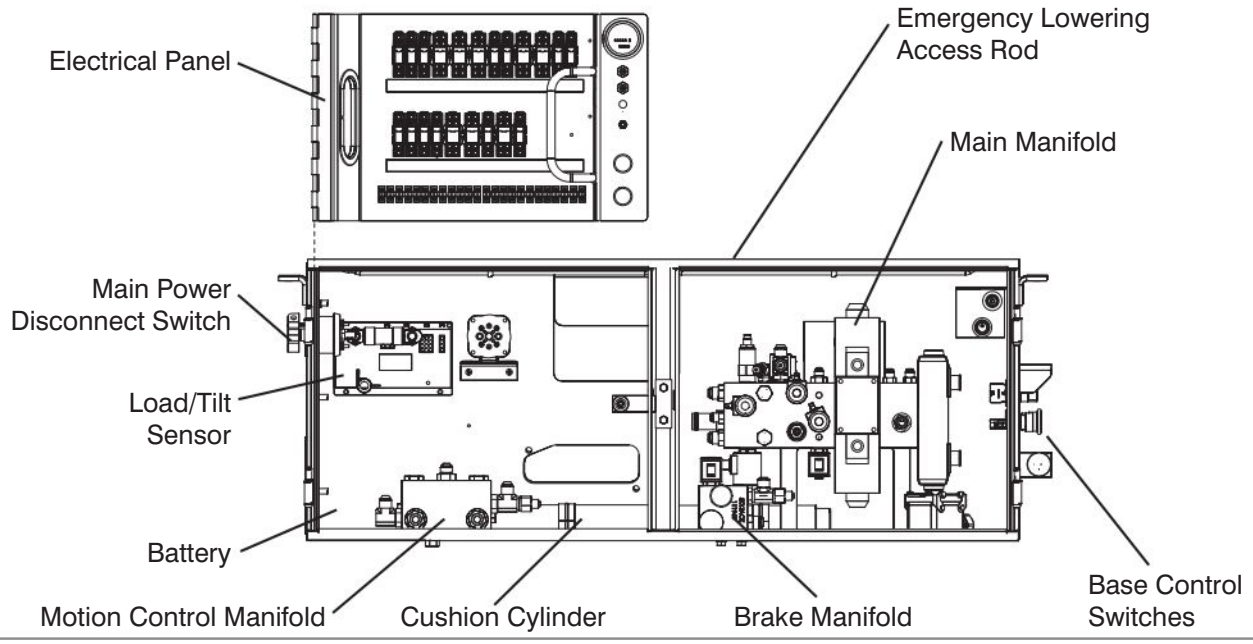
2.8-4 Hydraulic

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

Model 71xx



2.8-5 Hydraulic/Electrical Compartment

- Ensure all compartment latches are 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.

- **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

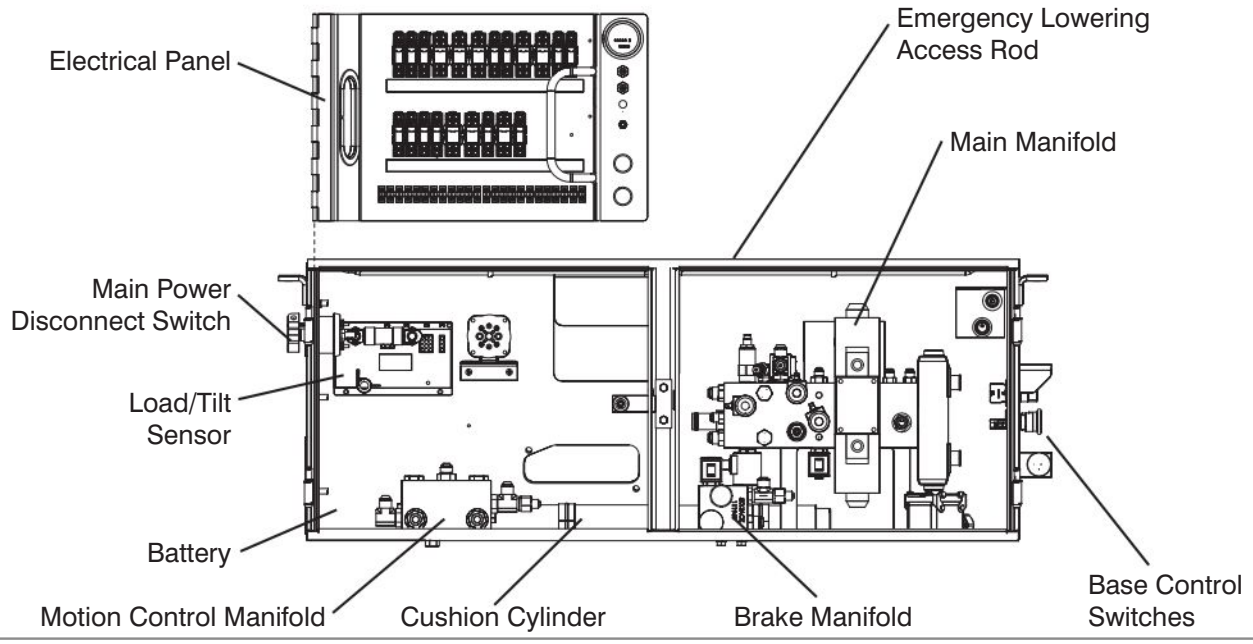
Battery acid is extremely corrosive - Wear proper eye and facial protection as well as appropriate protective clothing. If contact occurs, immediately flush with cold water and seek medical attention.

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

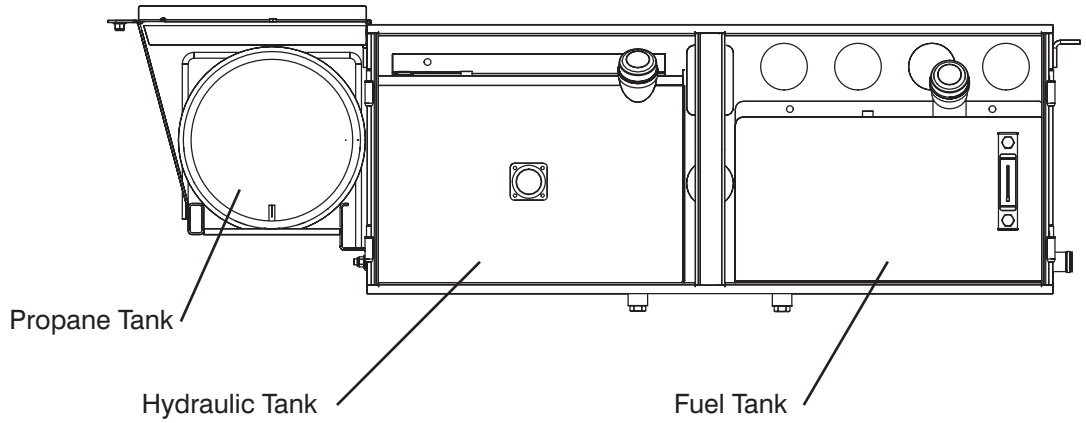
Use original or manufacturer-approved parts and components for the aerial platform.

Model 71xx



- **Manifolds**
  - Ensure all fittings and hoses are properly tightened and there is no evidence of hydraulic leakage.
  - Ensure there are no loose wires or missing fasteners.
- **Electrical Panel**
  - Ensure panel is properly secured and there is no visible damage.
  - Ensure there are no loose wires or missing fasteners.
- **Load/Tilt Sensor**
  - Ensure load/tilt sensor is properly secure and there is no visible damage.
- **Hydraulic Tank (Model 9250)**
  - Ensure hydraulic filler cap is secure.
  - Ensure tank shows no visible damage and no evidence of hydraulic leakage.
- **Hydraulic Oil (Model 9250)**
  - 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.
- **Emergency Lowering Access Rod (If Equipped)**
  - Ensure rod is properly secured and there is no visible damage.

Model 71xx



2.8-6 Hydraulic/Fuel Compartment

- Ensure all compartment latches are secure and in proper working order.

- **Hydraulic Tank (Models 71xx & 88xx)**
  - Ensure hydraulic filler cap is secure.
  - Ensure tank shows no visible damage and no evidence of hydraulic leakage.

- **Hydraulic Oil (Models 71xx & 88xx)**
  - 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.

- **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.

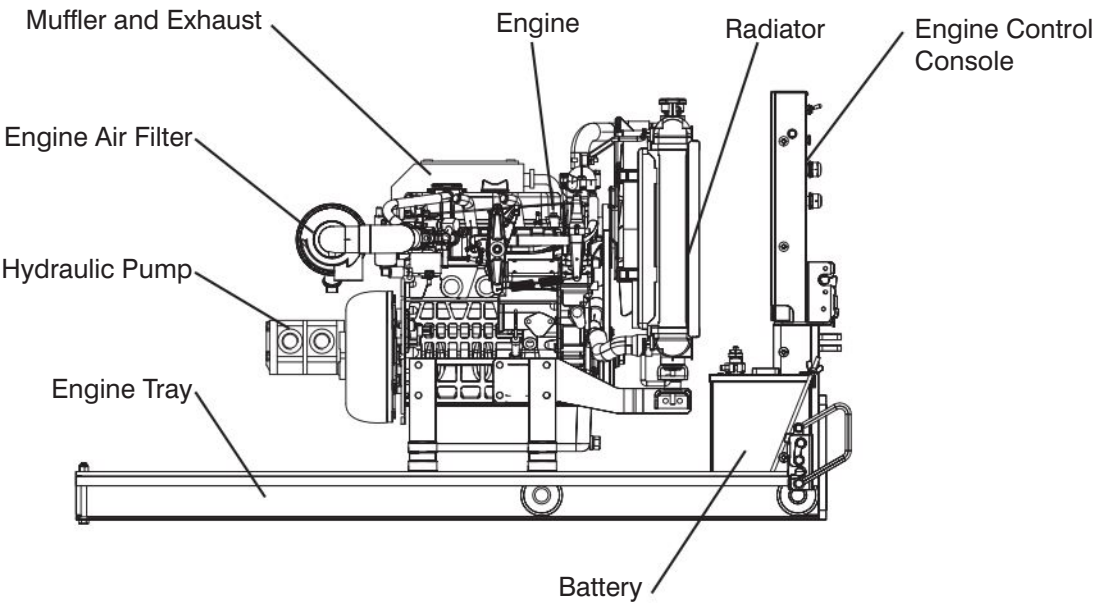
- **Fuel Leaks**
  Failure to detect and correct fuel leaks will result in an unsafe condition. An explosion or fuel fire may cause death or serious injury.

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



2.8-7 Engine Compartment

1. Pull on the two latches to pull out engine compartment.

- **Engine Control Console**
  - Ensure muffler and exhaust system are properly secured, with no evidence of damage.

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

- **Hydraulic Pump**
  - Ensure there are no loose or missing parts and there is no visible damage.
  - Ensure all bolts are properly tightened.
  - Ensure all fittings and hoses are properly tightened and there is no evidence of hydraulic leakage.

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

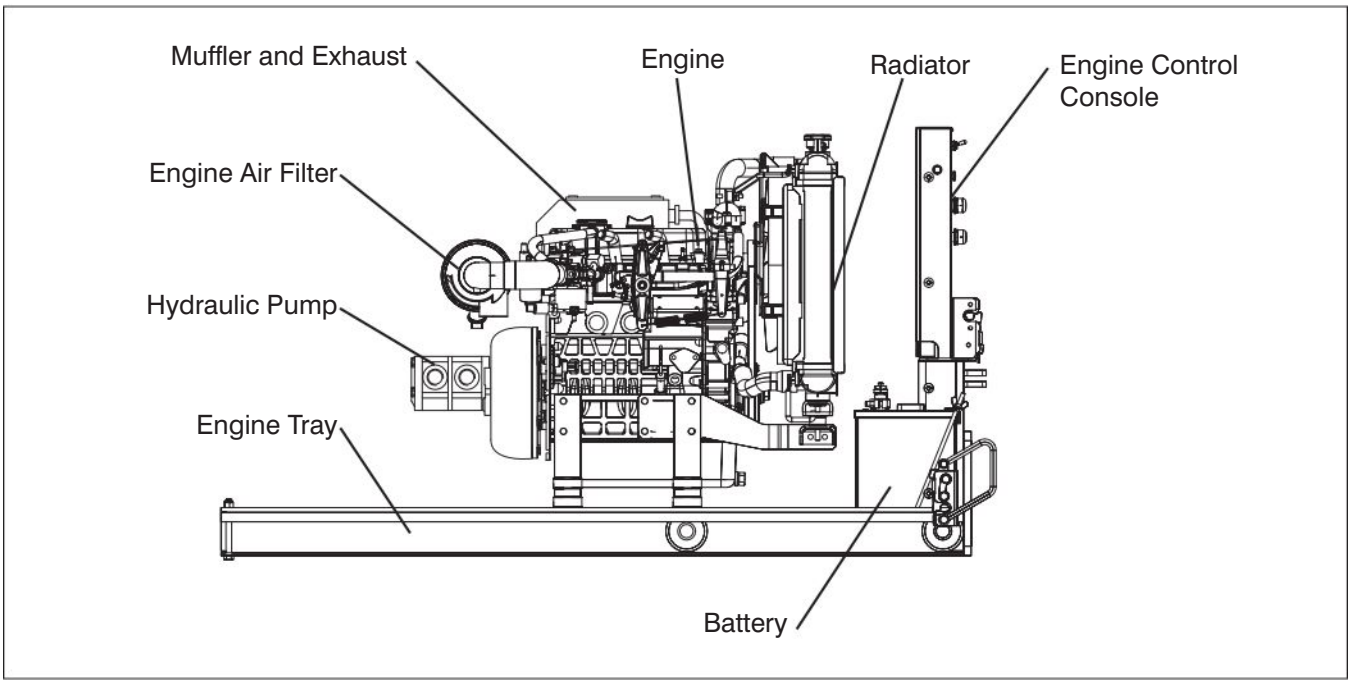
WARNING

Beware of hot engine components.

Check oil level on dipstick

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

- **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.

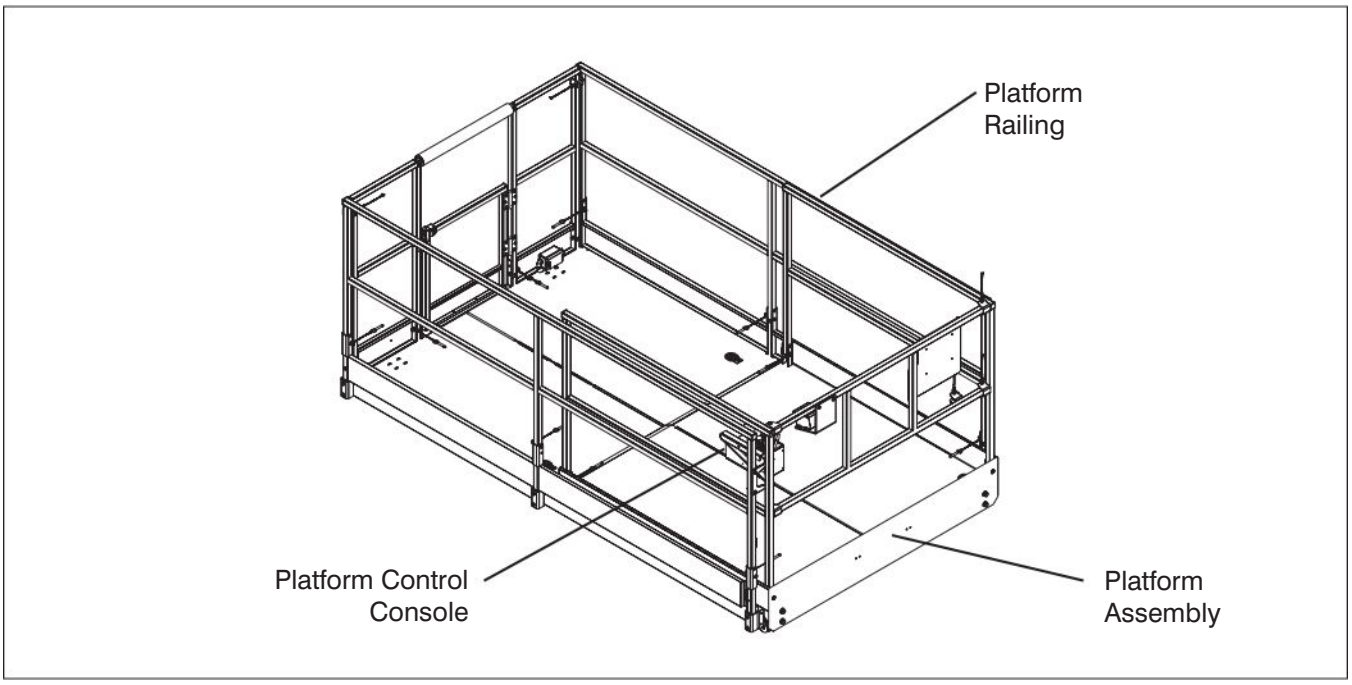
DANGER

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. Push in engine compartment until the two latches lock to base.



2.8-8 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.

- **Lanyard Attachment Anchors**
  - Ensure attachment rings are secure and no visible damage.

- **AC Outlet on Platform**
  - Ensure outlet has no visible damage and free from dirt or obstructions.

- **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.

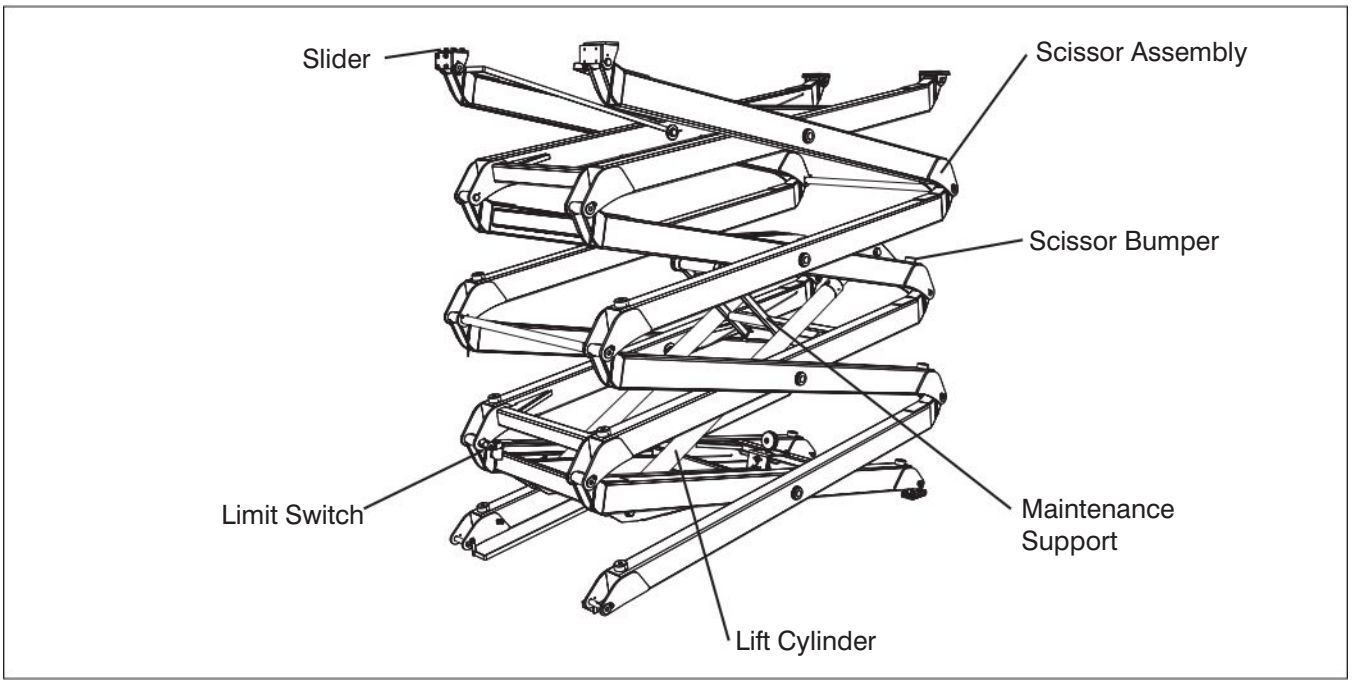
- **Powered Extension Control Console (If Equipped)**
  - Ensure all switches are returned to neutral and are properly secured.

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

WARNING

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

3. Use the ladder to dismount from platform.



2.8-9 Lifting Mechanism

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

- **Sliders**
  - Ensure sliders are secure and there is no visible damage.
  - Ensure sliders' path of travel are free from dirt and obstructions.

1. Raise the platform (refer to Section 2.10-2) until there is adequate clearance to swing down the maintenance support (refer to Section 2.16).

- **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.
  - Ensure all pins are properly secured.
  - Ensure cables and wires are properly routed and shows no signs of wear and/or physical damage.

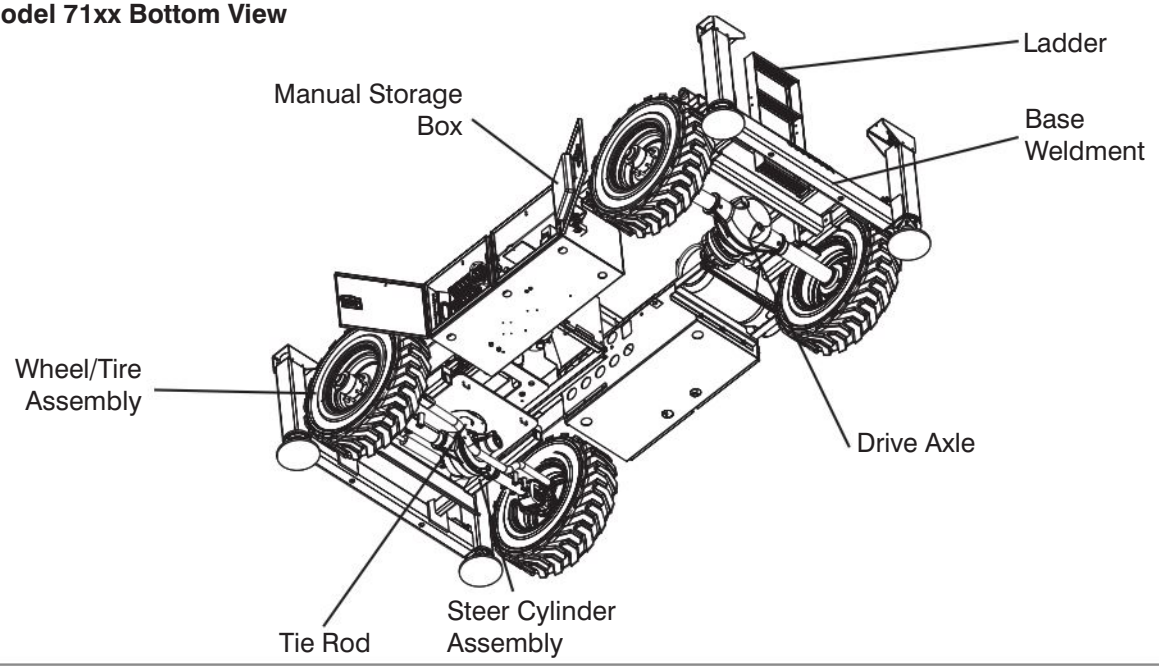
- **Scissor Bumpers**
  - Ensure bumpers are secure and shows no sign of visible damage.

- **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 2.16.

3. Fully lower the platform.

Model 71xx Bottom View



2.8-10 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 either equipped with air tires or 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.

WARNING

Air filled tires are not permitted on some models. Refer to Table 2.4.

WARNING

An over-inflated tire can explode and may cause 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.

To safeguard maximum stability, achieve optimum aerial platform handling and minimize tire wear, it is essential to maintain proper pressure in all air-filled tires.

- Check each tire with an air pressure gauge and add air as needed.

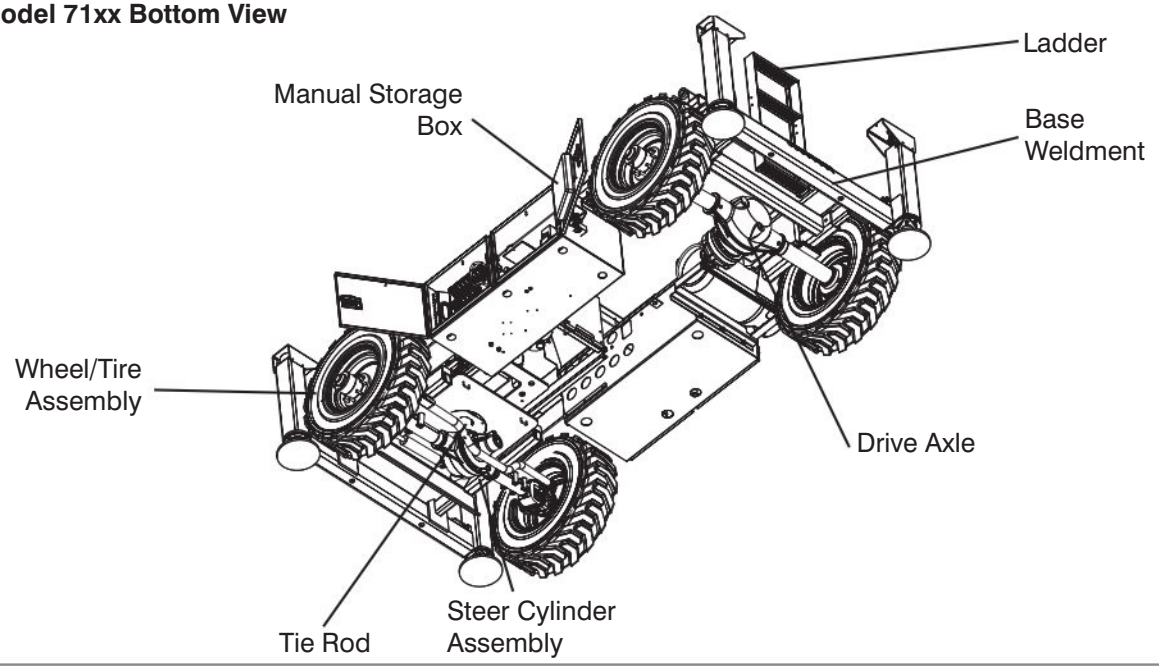
Refer to Table 2.6 for wheel/tire specifications.

- **Drive Axle**
  - Ensure drive axle 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.

- **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.

- **Tie Rod**
  - Ensure there are no loose or missing parts, tie rod end studs are locked and there is no visible damage.

Model 71xx Bottom View



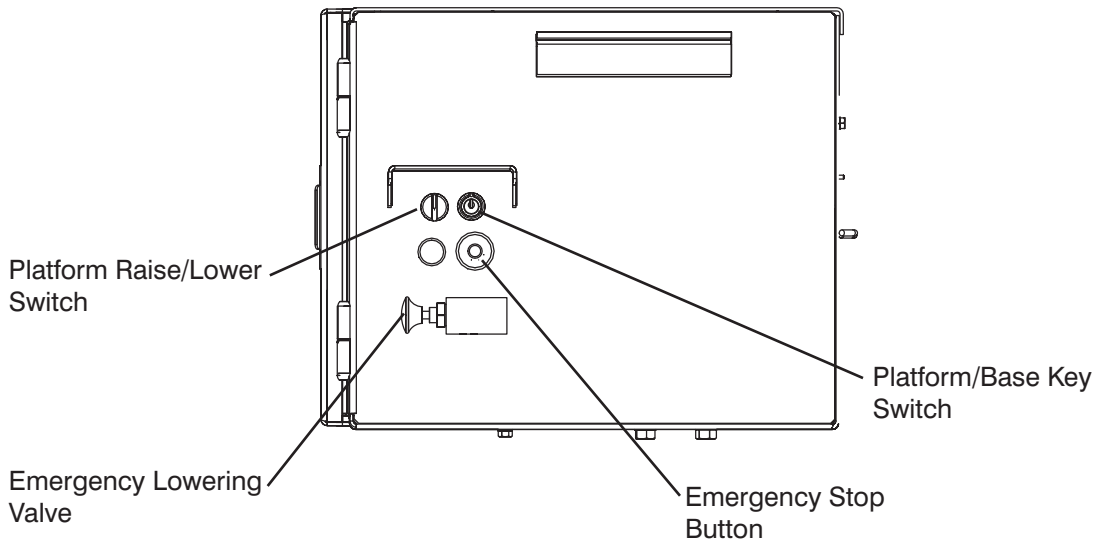
- **Disc Brake (Models 71xx & 88xx)**
  - Ensure there are no loose or missing parts and there is no visible damage.
- **Pin Brakes (Model 9250)**
  - Ensure there are no loose or missing parts and there is no visible damage.
  - Ensure tabs are not locked.
- **Drive Motor**
  - Ensure there are no loose or missing parts and there is no visible damage.
  - Ensure all bolts are properly tightened.
- **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.

2.8-11 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.

Model 71xx Hydraulic/Fuel Tank



2.9 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 2.10 - Start Operation.

2.9-1 Test Main Power Disconnect Switch

1. In hydraulic/electrical compartment, turn main power disconnect switch to off position.
   Result: Aerial platform functions should not operate.

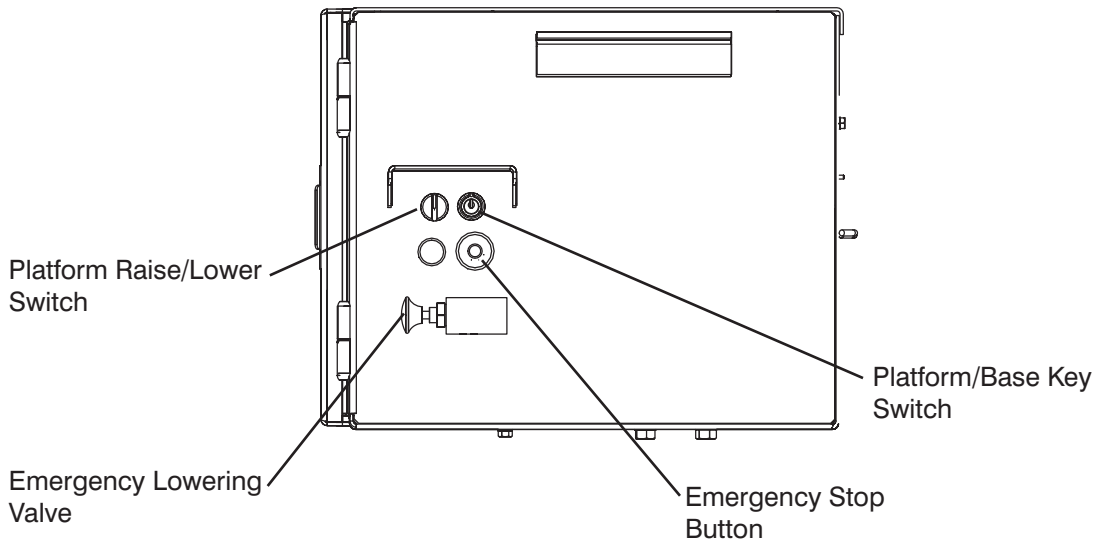
2.9-2 Base Control Console

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. Insert key into off/lift/drive key switch and select "↑↓" lift position.
5. Select low/high throttle switch to " ● " low throttle position.
6. Use the ladder to dismount from platform.
7. Turn main power disconnect switch to on position.

Model 71xx Hydraulic/Fuel Tank



- **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.

  3. Pull out "○" emergency stop button and restart engine.

- **Test Platform Raise/Lower Switch**

  1. Select platform/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 (Models 71xx & 88xx)**

  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 emergency lowering access rod that is located on the base of the aerial platform.

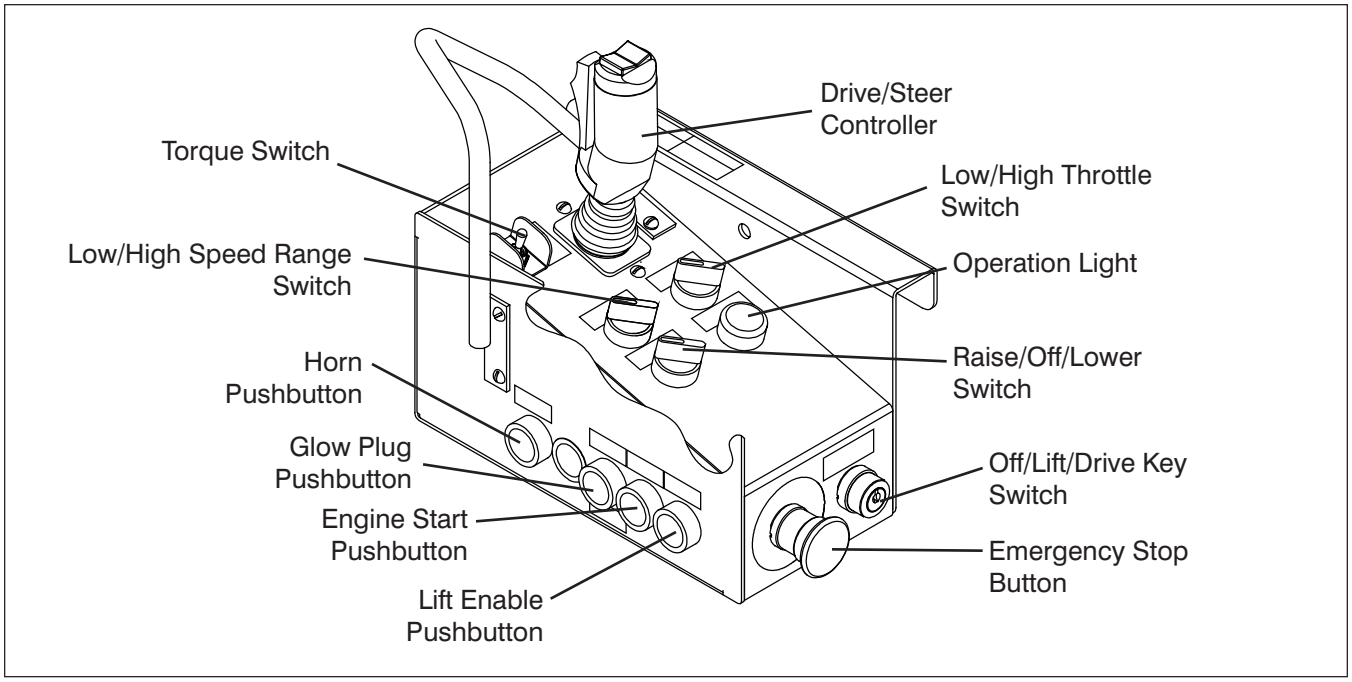
  3. On hydraulic/electrical compartment, pull out and hold emergency lowering valve to fully lower the platform.
     Result: The platform should lower.

  4. To restore normal operation, depress and turn holding valve manual override knobs clockwise.

- **Test Emergency Lowering (Model 9250)**

  1. Raise the platform.

  2. On hydraulic/electrical compartment, depress and hold emergency lowering pushbutton to activate the auxiliary lowering valves. Pull out and hold the emergency lowering valve to lower platform.
     Result: The platform should lower.



2.9-3 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/base key switch to "" platform position.

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**

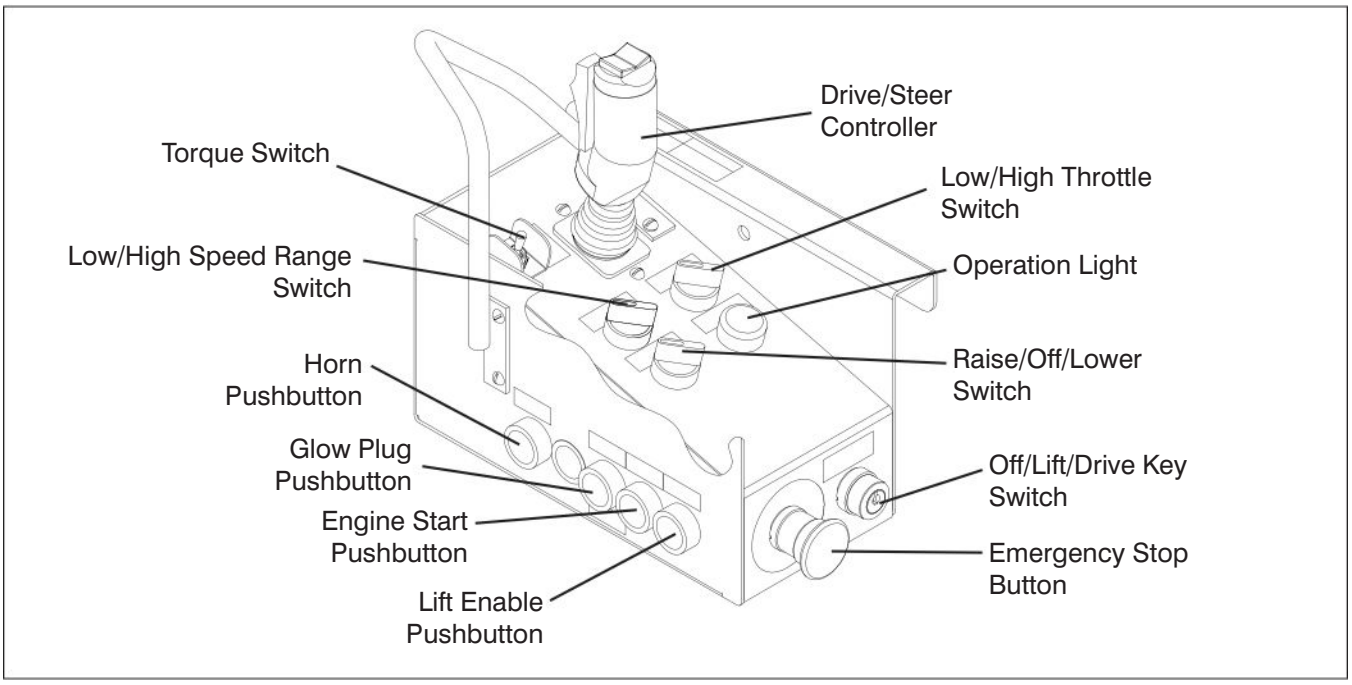
  1. Ensure engine is running.
  2. Without activating "" enable trigger switch, attempt to drive the aerial platform.
     Result: Drive functions should not operate.

- **Test Platform Raising/Lowering**

WARNING

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

  1. Ensure engine is running.
  2. Select off/lift/drive key switch to "" lift position.
  3. Press and hold "" enable pushbutton, then select and hold raise/off/lower switch to either "" raise or "" lower position. Release switch to stop.
     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 them 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 raise/lower switch, 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 off/lift/drive key 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.

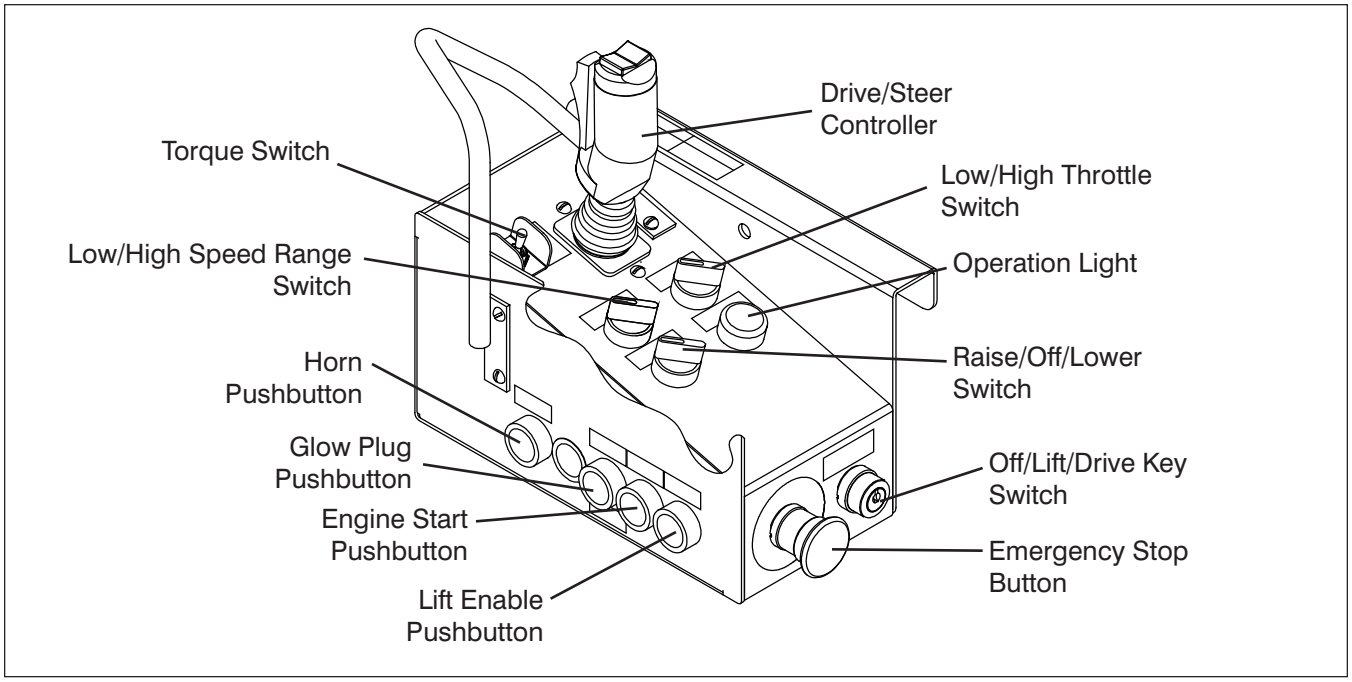
- **Test Speed Limit**

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.

- **Test Tilt Sensor**

WARNING

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

WARNING

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

1. Move the aerial platform on to a slope not greater than 10°.
2. Use the ladder to dismount from platform.
3. On base control console, slowly raise the platform.
   Result: When platform reaches an appropriate height, a warning signal will sound and platform stops raising as lift and drive controls are disabled.

2.10 Start Operation

Carefully read and completely understand the Operating Manual and all warnings and instruction labels (refer to labels section) 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 2.8)
2. Function tests (see Section 2.9)
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.
- has been tagged or blocked out for non-use or repair.

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

2.10-1 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. Insert key into off/lift/drive key switch and select "↑ ↓" lift position.
5. Select low/high throttle switch to " ● " low throttle position.
6. Use the ladder to dismount from platform.
7. Turn main power disconnect switch to on position.
8. On base control console, pull out "○" emergency stop button.
9. Select platform/base key switch to "" base position.
10. On engine control console:
    For dual fuel engine, select fuel supply by moving fuel switch to either " " gasoline or " " liquid propane gas position.

CAUTION

Do not start the engine in the high throttle position.

11. If diesel engine is cold, depress and hold glow plug pushbutton for 15 to 20 seconds. Pull out engine on/off switch to " " on position.

    For dual fuel engine, select and hold engine " ● " start pushbutton until engine starts, then release. Do not overcrank starter.

2.10-2 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 2.10-1).
2. On base control console, select and hold platform raise/lower switch to either " " raise or " " lower position. Release 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.

2.10-3 To Activate Platform Control Console

1. Turn main power disconnect switch to on position.
2. On base control console, pull out " " emergency stop button.
3. For dual fuel engine, select fuel supply by moving fuel switch to either " " gasoline or " " liquid propane gas position.
4. Select platform/base switch to " " platform 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. On platform control console, pull out " " emergency stop button.
8. Insert key into off/lift/drive key switch and select " " lift position.
9. Select low/high throttle switch to " " low throttle position.

   CAUTION

   Do not start the engine in the high throttle position.
10. If diesel engine is cold, depress and hold glow plug pushbutton for 15 to 20 seconds.
11. Depress and hold " " engine start pushbutton until engine starts, then release. Do not overcrank starter.

2.10-4 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 2.10-3).

2. Press and hold "" enable pushbutton, then select and hold raise/off/lower switch to either "" raise or "" lower position. Release switch to stop.

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.

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.

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.

NOTE

Some models may be equipped with lift cut out at 8 m. To raise the platform higher, outriggers must support the aerial platform.

2.10-5 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 control console (refer to Section 2.10-3).

2. On platform control console, select off/lift/drive key switch to "" drive position.

3. Activate and hold "" enable trigger switch.

4. Push or pull 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.

2.10-6 To Steer

1. Activate platform control console (refer to Section 2.10-3).
2. Select off/lift/drive key switch to "  " drive position.
3. Activate and hold "  " enable trigger switch.
4. Press "  " rocker 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.

2.10-7 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 low/high speed range switch to "  " low speed (high torque) 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 a flat level surface. To activate low torque, select low/high speed range switch to "  " high speed (low torque) 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.

2.10-8 To Extend or Retract Powered Extension Platform (If Equipped)

1. To extend the powered extension platform, ensure "  " emergency stop button is pulled out.
2. On platform control console, insert key into off/lift/drive key switch and select "  " lift position.
3. On the powered extension control console, select and hold "  " enable switch, then push the extend/retract switch to the "  " extend position. Release switch to stop.
4. To retract platform, select and hold "  " enable switch, then push extend/retract switch to "  " retract position. Release switch to stop.

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.

2.10-9 To Extend or Retract Manual Extension Platform

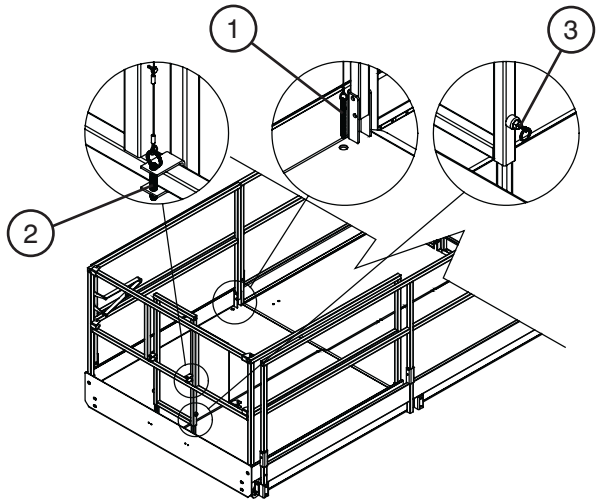


Figure 2-17. Manual Extension Platform

1. To extend/retract the manual extension platform, remove the locking pin (item 1) then remove the push bar locking pins (item 2) and rotate the push bar towards the main platform. Extend the push bar until it locks at full extension and push/pull the extension platform using the push bar.

2. Upon full extension or retraction, reinsert the locking pin on the platform (item 1) to prevent accidental movement of the manual extension platform during travel or transport.

3. When the push bar is not in use, pull the plungers (item 3) on the push bar and retract it, then rotate it back to its resting position and lock it into place with the locking pins (item 2).

2.10-10 Hydraulic Outriggers (If Equipped)

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

2.10-10a Before Operation

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

2. To lower the platform completely, refer to Section 2.10-4. Outrigger controls are not functional when platform is raised.

3. Check supporting surface under the tires and outrigger pads is level, 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.

2.10-10b To Extend Outriggers

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

2. **Auto Extension:** Select auto-level switch to "  " extend position until leveling indicator light stops flashing and remains on 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 remain 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.

3. Ensure each outrigger pad is in firm contact with a suitable supporting surface! Make adjustments if necessary using manual outrigger controls.

4. 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.

2.10-10c To Retract Outriggers

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

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

   Manual Retraction: Select corresponding pairs of outrigger extend/retract switch to "  " retract position until 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.

2.10-11 Generator (If Equipped)

To start the hydraulic generator:

1. On platform control console, select off/lift/drive key switch to "↑↓" lift position.
2. Depress and hold engine " " start pushbutton until engine starts, then release. Do not overcrank starter.
3. On auxiliary control console, select hydraulic generator switch to energized position. Engine will automatically switch to high throttle and generator will start.

To restore normal operation:

1. Flip the switch to the off position. The generator will turn off.

NOTE

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

2.10-12 Electrical Inverter (If Equipped)

The inverter is operational with alternating current available at all times when, and only when, the engine is running at high throttle. Deselecting the high idle throttle setting or stopping the engine will turn the inverter off.

To check the status of the inverter:

1. During routine operation, the on/off switch should remain in the on position. To prevent automatic inverter operation when high throttle is activated, slide the on/off switch on the inverter to the off position.
2. Inverter state is indicated by the LEDs on the face of the inverter. A glowing green LED indicates normal operation. If a fault occurs, the status LEDs will indicate the area responsible. After the fault condition is corrected, the inverter will automatically reset itself.

2.10-13 Shutdown Procedure

1. Completely lower the platform.
2. On platform control console, push in "◯" emergency stop button.
3. Select off/lift/drive key switch to "◯" off position and remove key.

WARNING

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

4. Use the ladder to dismount from platform.
5. On base control console, push in "◯" emergency stop button.
6. On engine control console:
   - For diesel engine, push in off/on switch to "◯" off position.
   - For dual fuel engine, select off/on/start switch to "◯" off position.
7. Turn main power disconnect switch to off position.

2.11 Refueling Procedures

This section provides the operator with the procedure on how to refuel the engine with regular fuel and install the propane cylinder.

IMPORTANT

Before using the aerial platform ensure there is enough fuel to finish the job.

WARNING

Follow all local and federal regulations for propane handling.

- Use extreme caution while refueling aerial platforms.
- Ensure engine and all systems are turned off before refueling.
- Refuel aerial platform only in a well ventilated area away from open flame and other sources of ignition, authorized by your employer and supervisor.
- Liquid propane gas fuel is a gas that is heavier than air. It will settle in low spots. Any flame or spark could cause a fire that could cause serious injury.
- When changing liquid propane gas cylinder, Check all connections for damage or missing parts.
- Never try to start an aerial platform if you smell gas.
- For gasoline engine models, use only unleaded gasoline with an octane rating 87 or higher.

WARNING

Do not smoke in an area where aerial platforms are stored or refueled.

2.11-1 Regular Fuel

1. Ensure engine and all systems are turned off and emergency stop buttons are depressed.
2. Open fuel compartment door and remove fuel cap.
3. Carefully pour fuel into tank ensuring that no spillage occurs.
4. Securely replace fuel cap.
5. Ensure there are no leaks in the fuel system.
6. Wipe up any spilled fuel.
7. Dispose of rags in an approved container.

Protection of Environment from Chemical Dangers

WARNING

Gasoline, diesel fuel, engine oil and hydraulic fluid are chemicals, which can contaminate the environment. If they are spilled during filling and reach the water, they can cause damage to the environment, e.g., death of fish. For such damage, the party responsible is liable! Therefore, gasoline, diesel fuel, engine oil or hydraulic fluid must not get into the sewage system, streams, rivers or other surface water. For that reason, immediately remove the dripped off or spilled gasoline, diesel fuel, engine oil or hydraulic fluid with appropriate means and dispose of these means according to the regulations.

2.11-2 Propane

WARNING

Follow all local and federal regulations for propane handling.

Removing a Propane Cylinder

1. Ensure engine and all systems are turned off and emergency stop button is depressed.
2. Turn propane cylinder's main valve clockwise to shut off fuel supply to engine.
3. Start engine and allow it to stop naturally. Restart engine to ensure fuel lines are empty.
4. Disconnect hose from empty propane cylinder by detaching the coupling. Turn fitting counterclockwise.
5. Loosen two propane cylinder straps by pulling up on the metal clips. Disconnect straps from hooks.
6. Remove the propane cylinder.

Installing a Propane Cylinder

1. Ensure engine and all systems are turned off and emergency stop button is depressed.
2. Place propane cylinder on bracket or in compartment.
3. Ensure metal peg on bracket or compartment is inserted into propane cylinder rim.
4. Reconnect propane cylinder straps to hooks and fasten tightly.
5. Attach coupler to propane cylinder and turn clockwise to tighten fitting.
6. Apply soap water or neutral detergent to pipe connection and cylinder.
7. Open valve 1/4 turn counterclockwise and check for any gas leaks.
8. Wipe off soap water or detergent after inspection is completed.
9. Open main valve fully if there are no leaks.

NOTE

The aerial platform is now ready for use by an authorized, qualified operator who has read and completely understands all of Section 2 operations in this manual.

2.12 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.

2.12-1 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/electrical and fuel 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 may be attached to all four lifting points as illustrated in Figure 2-18.

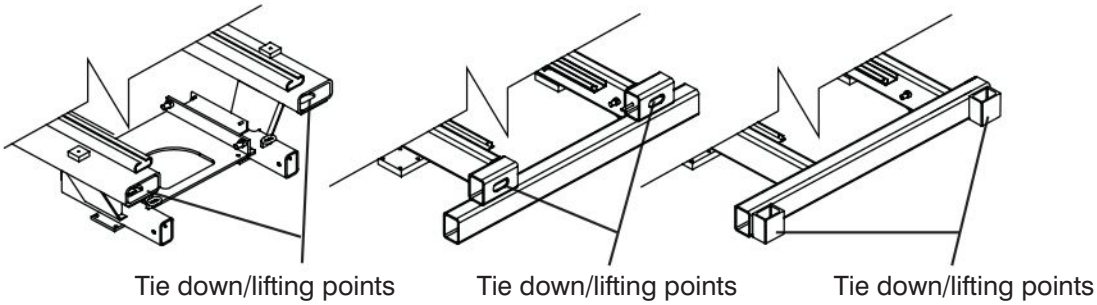


Figure 2-18. Tie Downs/Lifting Points

NOTE

The mass of the aerial platform is as per Table 2.3. 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 2-19. Vertically, the center of gravity is approximately just above the base chassis.

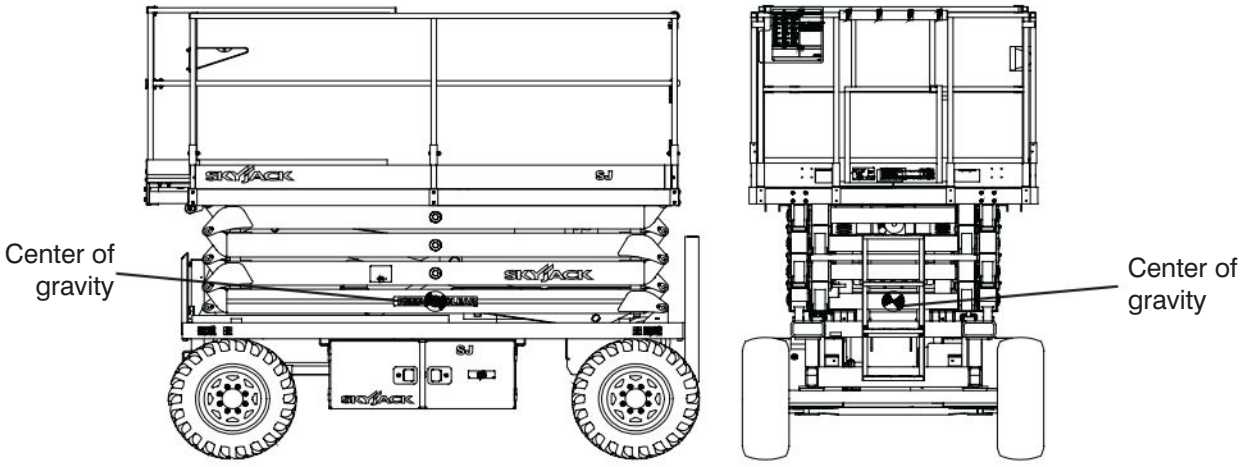


Figure 2-19. Center of Gravity

NOTE

The aerial platform can be lifted with a forklift from the sides but Skyjack does not recommend this use. Lift with forks in designated pockets as illustrated in Figure 2-20.

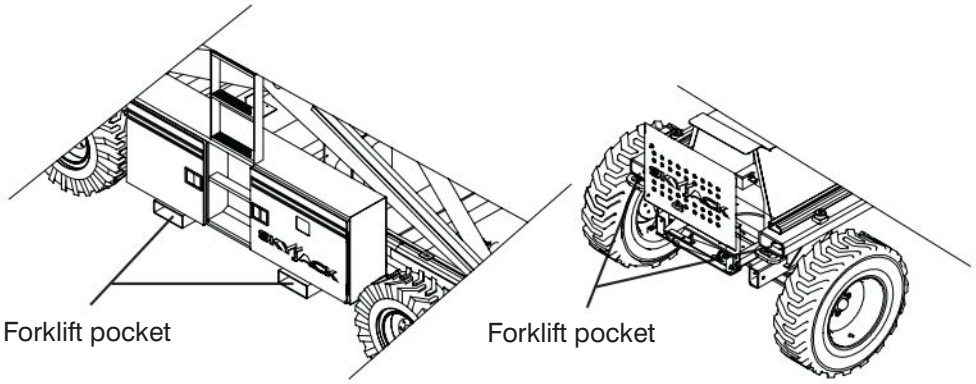


Figure 2-20. Forklift Pockets

2.12-2 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 2.3).
- 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 2-18.

2.13 Winching and Towing Procedure

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

WARNING

Ensure platform is fully lowered before winching or towing. Sudden motion could cause 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.

2.13-1 To Release the Brakes Manually

Models 71xx & 8xxx

WARNING

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

Figure 2-21. Brake System

1. Brake Hand Pump
2. Brake Auto Reset Valve Plunger

WARNING

Brakes must be manually disengaged before 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 the manifold in hydraulic/electrical compartment.
4. Push in brake auto valve plunger.
5. Grasp brake hand pump and rapidly depress until firm resistance is felt. The brake is 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 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 brake by pulling out brake valve plunger.

Model 9250

WARNING

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

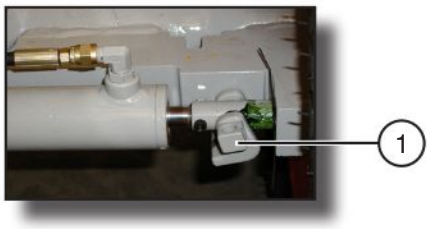


Figure 2-22. Brake

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. **For Left-Side Brake:** Using a 19 mm (3/4”) wrench, rotate the block on the brake pin 90° clockwise. The brake pin should be clear of the brake disc.
4. **For Right-Side Brake:** Using a 19 mm (3/4”) wrench, rotate the block on the brake pin 90° counterclockwise. The brake pin should be clear of the brake disc.
5. Remove wheel chocks or blocks, then push, winch or tow aerial platform to desired location.

WARNING

Brakes must be reengaged immediately after reaching desired location.

6. Position aerial platform on a firm and level surface.
7. Chock or block wheels to prevent aerial platform from rolling.
8. Reengage brake by doing the following steps.
9. **For Left-Side Brake:** Using a 19 mm (3/4”) wrench, rotate the block on the brake pin 90° counterclockwise.
10. **For Right-Side Brake:** Using a 19 mm (3/4”) wrench, rotate the block on the brake pin 90° clockwise.

2.14 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.

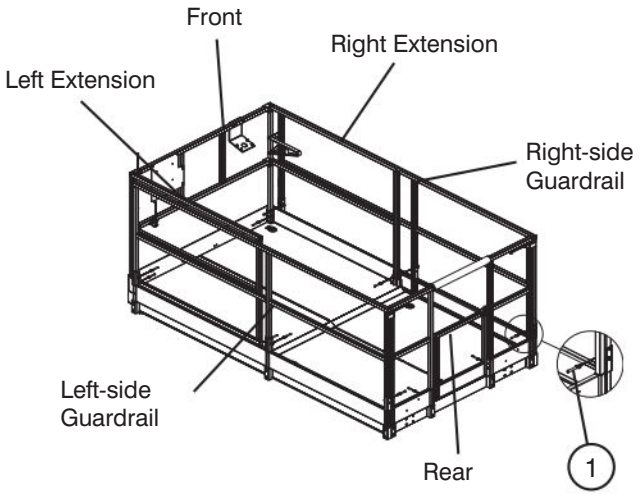


Figure 2-23. Folding Guardrail System

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.

WARNING

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

To fold the guardrail system down:

1. Ensure aerial platform is on level ground.
2. Remove the platform control console and outrigger control console (if equipped) and lay it down on the platform.
3. Turn main power disconnect switch to off position.

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. Retract the extension platform fully. Refer to Section 2.10-8.

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.

7. Fold down guardrails in the following order: rear, front, left extension, right extension, left-side and right-side (refer to Figure 2-23).
8. Remove all the locking pins on the rear guardrail and fold the guardrail down.
9. Remove all the locking pins that secured the front guardrail to the left extension guardrail then swing it towards the right extension.
10. Remove all the locking pins on the left extension and fold it down.
11. Remove all the locking pins on the right extension guardrail and fold it down with the front guardrail.
12. Remove all the locking pins on the left-side guardrail and fold it down.
13. Remove all the locking pins on the right-side guardrail and fold it down.

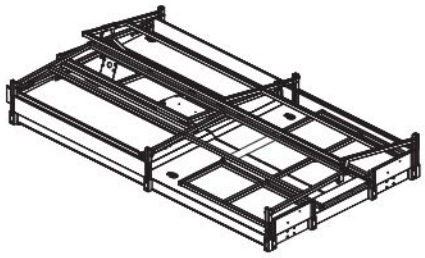


Figure 2-24. All Guardrails Folded Down

To raise the guardrail system up:

WARNING

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

1. Ensure aerial platform is on level ground.
2. Turn main power disconnect switch to off position.

WARNING

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

3. 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.

4. Raising the guardrails up is done in the following order: right-side, left-side, right extension, left extension, front and rear.
5. Swing up the right-side guardrail and lock it in place by inserting all locking pins.
6. Swing up the left-side guardrail and lock it in place by inserting all locking pins.
7. Swing up the right extension guardrail and the front guardrail and lock them in place by inserting all locking pins on the right extension.
8. Swing up the left extension guardrail and lock it in place by inserting all locking pins.
9. Swing the front guardrail forward and lock it in place by inserting all locking pins.
10. Swing up the rear guardrail then lock it in place by inserting all locking pins.
11. Mount the platform control console and outrigger control console (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.

2.15 Emergency Lowering Procedures

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

Models 71xx & 88xx

WARNING

Keep clear of scissors mechanism when using emergency lowering valve.

1. Remove any obstructions from a descending platform.

2. Extension platform(s) may need to be retracted or aerial platform may need to be moved to clear the obstruction. Refer to Section 2.13 for winching and towing procedures.

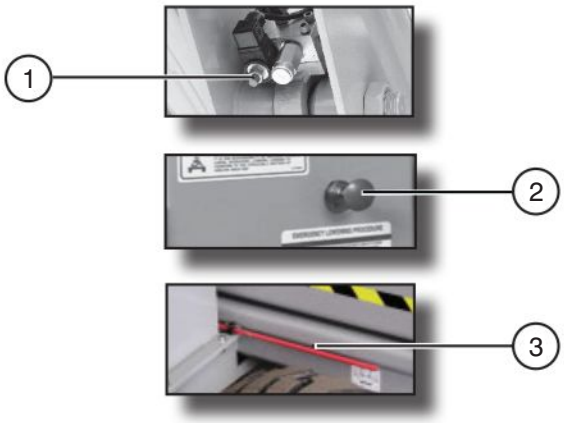


Figure 2-25. Emergency Lowering System

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

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

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

Model 9250

WARNING

Keep clear of scissors mechanism when using emergency lowering valve.

1. Remove any obstructions from a descending platform.

2. Extension platform(s) may need to be retracted or aerial platform may need to be moved to clear the obstruction. Refer to Section 2.13 winching and towing procedures.

   For Emergency Powered Extension Platform Retraction Switch (If Equipped):

Figure 2-26. Emergency Powered Extension Platform Retraction System

   This system is located in the hydraulic/electrical compartment. In the event of an emergency or an engine malfunction, this switch can retract the powered extension platform from the base.

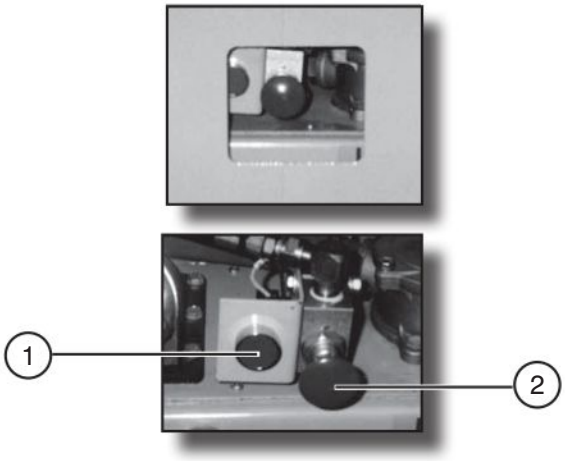


Figure 2-27. Emergency Lowering System

3. On hydraulic compartment, depress and hold emergency lowering pushbutton (item 1) to activate the auxiliary lowering valves. Pull out and hold the emergency lowering valve (item 2) to lower platform. No further actions are required to restore normal operation.

2.16 Maintenance Support Procedure

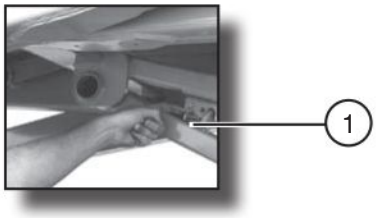


Figure 2-28. Maintenance Support

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. Push lock lever rearward.
4. Swing maintenance support down from storage bracket into a vertical position.
5. Remove hands and arms from scissors area.
6. Lower platform until bottom end of maintenance support contacts the labeled cross bar and scissors are supported by maintenance support.
7. 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 2.1 Standard and Optional Features

MODEL	Mid-Size RT's		Full-Size RT's		
	7127	7135	8831	8841	9250
STANDARD EQUIPMENT					
4WD	*	*	*	*	*
Load sensing system	*	*	*	*	*
19.4 kW (26 hp) Kubota D1105 diesel water-cooled engine	*	*	*	*	*
Disc brake system on rear axle	*	*	*	*	Dual
Rigid scissor guards	*	*	*	*	*
Manual brake release	*	*	*	*	*
Maximum drive height	Full Height	Full Height	8m	8m	8m
Hinged railing system	*	*	*	*	*
Flashing light	*	*	*	*	*
Color coded and numbered wiring system	*	*	*	*	*
Grip lug air filled tires	*	*	*	*	*
Rollout engine tray	*	*	*	*	*
Base controls	*	*	*	*	*
Tilt alarm with drive/lift cut out	*	*	*	*	*
Wiring for AC outlet on platform	*	*	*	*	*
Lanyard attachments points	*	*	*	*	*
Forklift pockets/tie downs/lifting eyes	*	*			*
Hydraulic oil level and temp. indicators	*	*		*	*
Hourmeter	*	*	*	*	*
Lockable side cabinets	*	*	*	*	*
Operator horn	*	*	*	*	*
Comprehensive parts/operating and service manual	*	*	*	*	*
1.4 m roll out extension platform	*	*			
Spring loaded full height gate at rear	*	*			
Spring loaded half height gates on both sides			*	*	*
OPTIONAL EQUIPMENT					
1.2 m roll out extension platform			*	*	
1.2 m powered extension platform			*	*	
1.4 m powered extension platform	*	*			
1.5 m powered extension platform					*
All motion alarm	*	*	*	*	*
Rotating amber beacon	*	*	*	*	*
3500 watt hydraulic generator	*	*	*	*	*
Independent leveling hydraulic outriggers	*	*	*	*	STD
Shop air line to platform	*	*	*		*
Grip lug, foam filled tires	*	*	*	*	*
Grip lug, non marking tires	*	*	*	*	*
Grip lug, foam filled non marking tires	*	*	*	*	*
High flotation type tires	*	*	*	*	
Spring loaded full height gate	*	*	*	*	*

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Table 2.2 Owner's Annual Inspection Record

Model Number: _____				Serial Number: _____					
Recording Date									
Recording Year #	1	2	3	4	5	6	7	8	9
Owner's Name									
Inspected By									

60141AB

As described earlier in this section, 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 13 months.

Table 2.3 Specifications and Features

Model		Mid Size RT's		Full Size RT's		
		7127	7135	8831	8841	9250
Weight*		3724 kg	4392 kg	4554 kg	4962 kg	6591 kg
		8210 lb.	9683 lb.	10040 lb.	10939 lb.	14531 lb.
Width		1.82 m		2.21 m		2.34 m
		72 in.		87 in.		92 in.
Length		3.81 m		3.5 m		4.47 m
		150 in.		138 in.		176 in.
Platform Size		1.63 m x 2.97 m		1.73 m x 3.39 m		1.88 m x 4.27 m
		64 in. x 117 in.		68 in. x 133 in.		74 in. x 168 in.
Height	Working	10.1 m	12.5 m	11.28 m	14.3 m	17.1 m
		33.1 ft.	41 ft.	37 ft.	46.9 ft.	56.1 ft.
	Platform Elevated	8.2 m	10.7 m	9.4 m	12.5 m	15.2 m
		26.9 ft.	35.1 ft.	30.8 ft.	41 ft.	49.9 ft.
	Platform Lowered	1.54 m	1.73 m	1.50 m	1.75 m	2.01 m
		5.1 ft.	5.7 ft.	4.9 ft.	5.7 ft.	6.6 ft.
	Drive	Full		7.9 m		
				25.9 ft.		
Tires		Refer to Table 2.6 for tire specification and usage.				
Speed	Normal Drive	4.8 km/h		5.6 km/h	5.6 km/h	3.2 km/h
		2.98 mph		3.48 mph	3.48 mph	1.99 mph
	Elevated Drive	0.56 km/h		0.97 km/h		
		0.34 mph		0.60 mph		
	Raise (Rated Load)	31 sec.	38 sec.	58 sec.	56 sec.	67 sec.
	Lower (Rated Load)	46 sec.	43 sec.	44 sec.	53 sec.	72 sec.
Engine (RPM)	Kubota (Dual Fuel)	2050 (Low) / 3500 (High)		N/A		
	Kubota (Diesel)	1400 (Low) / 2800 (High)		1400 (Low) / 2800 (High)		
	GM (Dual Fuel)	N/A		900 (Idle) /1400 (Low) / 2800 (High)		
Gradeability		30%		30%		25%

60348AG-CE

* Weights are approximate; refer to serial nameplate for specific weight. Values shown are for standard 2WD aerial platforms on air tires with a manual extension platform (Mid Size RT's) and no extension platforms (Full Size RT's).

Table 2.4 Maximum Platform Capacities (Evenly Distributed)

MODEL		Total		First Extension		Second Extension	
		Capacity	Number of Occupants	Capacity	Number of Occupants	Capacity	Number of Occupants
7127	One Extension Platform	681 kg (1501 lb.)	5	227 kg (500 lb.)	2	Not Available	
7135	One Extension Platform	454 kg (1001 lb.)	4	159 kg (351 lb.)	1	Not Available	
8831	No Extension Platform	1134 kg (249 lb.)	6	Not Available			
	One Extension Platform	908 kg (2002 lb.)	6	227 kg (500 lb.)	2	Not Available	
	Two Extension Platform	771 kg (1700 lb.)	6	227 kg (500 lb.)	2	227 kg (500 lb.)	2
8841	No Extension Platform	771 kg (1700 lb.)	5	Not Available			
	One Extension Platform	681 kg (1501 lb.)	5	227 kg (500 lb.)	2	Not Available	
	Two Extension Platform	681 kg (1501 lb.)	5	227 kg (500 lb.)	2	227 kg (500 lb.)	2
9250	No Extension Platform	907 kg (2000 lb.)	5	Not Available			
	One Extension Platform	681 kg (1501 lb.)	5	227 kg (500 lb.)	2	Not Available	
	Two Extension Platform	681 kg (1501 lb.)	5	227 kg (500 lb.)	2	227 kg (500 lb.)	2

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NOTE:

Occupants and materials are not to exceed rated load.
Capacities listed are for standard machines equipped with #6 tires except for model 9250A which is equipped with foam-filled tires.
Refer to capacity label at sides of platform for additional information and for models equipped with options.

BEAUFORT SCALE	Wind Speed				Ground Conditions
	m/s	km/h	ft/s	mph	
3	3.4 – 5.4	12.5 – 19.4	11.5 – 17.75	5 – 12.0	Papers and thin branches move, flags wave
4	5.4 – 8.0	19.4 – 28.8	17.75 – 26.25	12.0 – 18	Dust is raised, paper whirls up, and small branches sway.
5	8.0 – 10.8	28.8 – 38.9	26.25 – 35.5	18 – 24.25	Shrubs with leaves start swaying. Wave crests are apparent in ponds or swamps.
6	10.8 – 13.9	38.9 – 50.0	35.5 – 45.5	24.5 – 31	Tree branches move. Power lines whistle. It is difficult to open an umbrella.
7	13.9 – 17.2	50.0 – 61.9	45.5 – 65.5	31 – 38.5	Whole trees sway. It is difficult to walk against the wind.

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Table 2.5 Floor Loading Pressure

MODEL		Total Aerial Platform Weight		Total Aerial Platform Load					
				WHEEL		LCP **		OUP **	
		kg	lb.	kg	lb.	kPa	psi	kg/m^2	psf
7127	min*	3592	7920	1437	3168	701.2	101.7	732.4	150.0
	max*	5525	12180	2210	4872	835.0	121.1	1126.4	230.7
7127 Outrigger Pads	min*	4246	9360	1698	3744	328.8	47.7	759.2	155.5
	max*	5525	12180	2210	4872	427.9	62.1	987.9	202.3
7135	min*	4014	8850	1606	3540	736.4	106.8	818.4	167.6
	max*	5434	11980	2174	4792	830.1	120.4	1107.9	226.9
7135 Outrigger Pads	min*	4441	9790	1776	3916	343.9	49.9	794.1	162.6
	max*	5493	12110	2197	4844	425.5	61.7	982.2	201.2
8831	min*	4386	9670	1754	3868	764.6	110.9	726.4	148.8
	max*	6055	13350	2422	5340	861.8	125.0	1002.9	205.4
8831 Outrigger Pads	min*	4781	10540	1912	4216	370.3	53.7	767.0	157.1
	max*	6486	14300	2594	5720	502.4	72.9	1040.6	213.1
8841	min*	4794	10570	1918	4228	792.2	114.9	794.0	162.6
	max*	6273	13830	2509	5532	871.5	126.4	1038.9	212.8
8841 Outrigger Pads	min*	5189	11440	2076	4576	401.9	58.3	832.5	170.5
	max*	6722	14820	2689	5928	520.7	75.5	1078.4	220.9
9250	min*	6668	14700	2667	5880	888.7	128.9	876.4	179.5
	max*	7924	17470	3170	6988	934.9	135.6	1041.5	213.3
9250 Outrigger Pads	min*	6668	14700	2667	5880	516.4	74.9	710.7	145.5
	max*	8851	18410	3540	7364	646.8	93.8	890.8	182.3

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* **min** - Total aerial platform weight with no options
max - Aerial platform weight + all options

** **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 that 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):

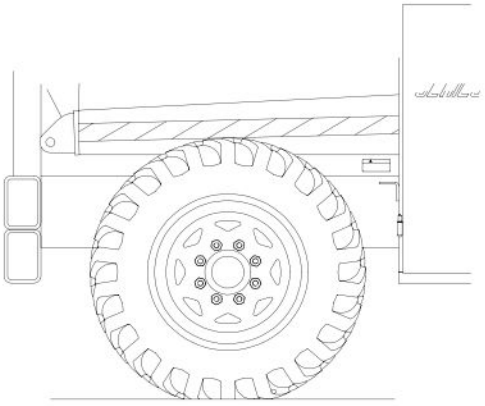
Foot Print Area = Length x Width
$= \pi r^2$

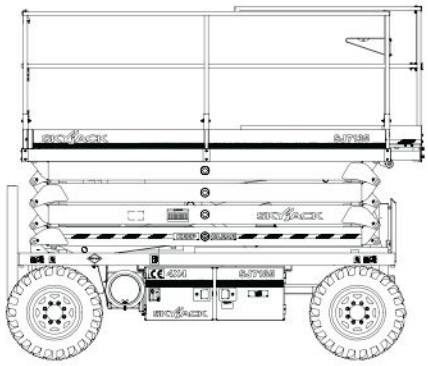
$$LCP = \frac{\text{Weight of Aerial Platform + Capacity}}{\text{Foot Print Area x 4 (Tires)}}$$

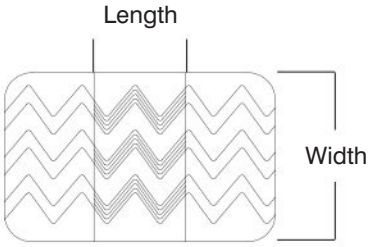
Overall Uniform Pressure (OUP):

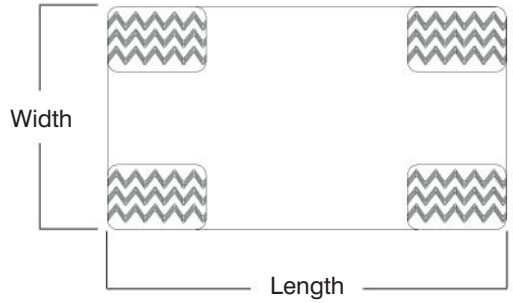
Base Area = Length x Width

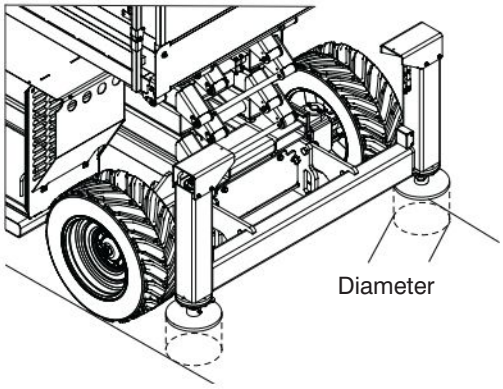
$$OUP = \frac{\text{Weight of Aerial Platform + Capacity}}{\text{Base Area}}$$

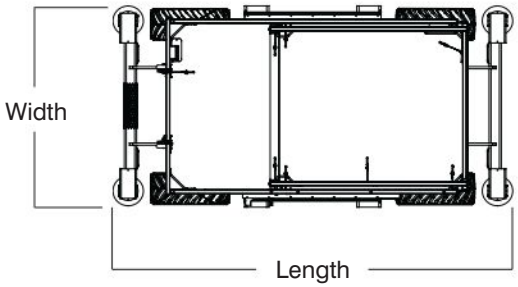












WARNING

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 original Skyjack-approved type. Failure to operate with matched approved tires in good condition may result in death or serious injury.

Table 2.6 Tire Specifications

WARNING

Air pressure can affect stability. Temperature changes can affect air pressure. It is important to visually inspect all tires for proper tire inflation prior to use. Tires should be checked by end user on a daily basis. Tire inflation pressures must be checked weekly with a calibrated gauge. If the measured pressure is less than the specification, reinflate to the pressure specified below. Tires must not be inflated above the recommended specification. Do not intermix tires of different types on one aerial platform. Use only tires of type originally supplied.

Tire Size		Fill Specification			Usage†						
		Fill Type	Ply Rating	Pressure (Factory) (kPa)	MID SIZE				FULL SIZE		
					7127	7135	8243	8850	8831	8841	9250
#6A	10-16.5 CARLISLE US LOADER	Air	10	517.1*	S	S	S	N/A	S	S	S
#6A	10-16.5 OTR OUTRIGGER (Non-Marking)		10	517.1*	O	O	O	N/A	O	O	O
#7A	31-15.5-15 GOODYEAR TERRA XTRAC		8	310.3*	N/A	N/A	N/A	N/A	N/A	N/A	N/A
#6F	10-16.5 CARLISLE US LOADER	Foam	10	N/A	O	O	O	S	O	O	O
#6F	10-16.5 OTR OUTRIGGER (Non-Marking)		10	N/A	O	O	O	O	O	O	O
#7F	31-15.5-15 GOODYEAR TERRA XTRAC		8	N/A	O	O	O	O	O	O	O

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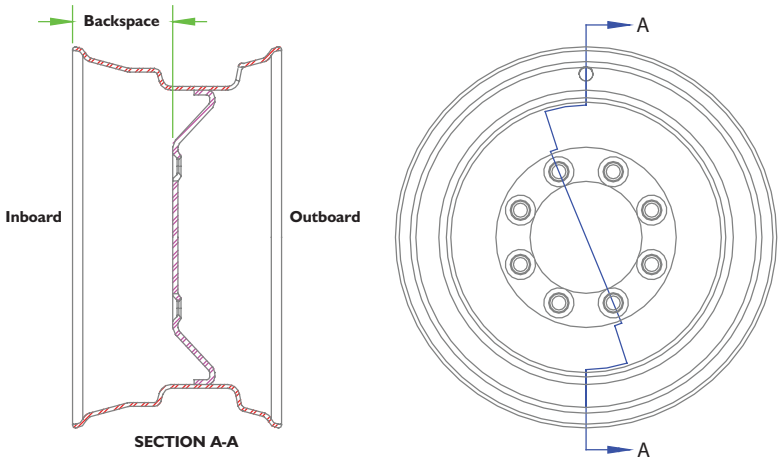
* Factory preset @ 20°C. **Check pressures regularly as tires can lose pressure over time and over different ambient temperatures even under normal conditions.**

† Usage: (**S**)tandard Or (**O**)ptional
(**N/A**) Not Available

Rim Backspace Diagram



Rim Size	Backspace					
	7127		7135	8831	8841	9250
Serial Number	Contact Skyjack Service Department					
#6 & #6F	121 mm	95 mm	95 mm	121 mm	121 mm	95 mm
	4.75 in.	3.75 in.	3.75 in.	4.75 in.	4.75 in.	3.75 in.
#7 & #7F	All models are 135 mm					

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Table 2.7 EC Declaration of Conformity

EC Declaration of Conformity

We, SKYJACK INC., [*], declare under our sole responsibility that the product Scissor Type Elevating Work Platform

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

To which this declaration relates is in conformity with the following directives:

Machinery Directive 98/37/EC
Notified body is: [*]

EC type Examination Certificate No: [*]

Machinery Directive 98/37/EC as related to Load Sensing System
Notified body is: [*]

EEC Type Examination Certificate No: [*]

EMC Directive 89/336/EEC
Certified laboratory: [*]

The Technical Construction File is maintained at:
[*]

The authorized representative located within the community is:
[*]

Place of issue:
[*]

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

Test Engineer: Quality Coordinator:

[*] 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 2.8 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		
Hydraulic/Electrical Compartment			
Main Power Disconnect Switch	A		
Base Control Switches	A		
Battery	A		
Manifolds	A		
Electrical Panel	A		
Load/Tilt Sensor	A		
Hydraulic Tank (Model 9250)	A		
Hydraulic Oil (Model 9250)	A		
Emergency Lowering Access Rod (If Equipped)	A		
Hydraulic/Fuel Compartment			
Hydraulic Tank (Models 71xx & 88xx)	A		
Hydraulic Oil (Models 71xx & 88xx)	A	**B***	
Fuel Tank	A		
Fuel Leaks	A		
Engine Compartment			
Engine Control Console	A		
Radiator	A		
Muffler and Exhaust	A		
Engine Tray	A		
Hydraulic Pump	A		
Engine Oil Level	A		
Engine Air Filter	A		
Fuel Leaks	A		
Platform Assembly			
Lanyard Attachment Anchors	A		
AC Outlet on Platform	A		
Platform Control Console	A		
Powered Extension Control Console (If Equipped)	A		

Frequency	Daily	3 months or 150 hours	Yearly
Lifting Mechanism			
Scissor Guards	A		
Sliders	A		
Maintenance Support	A		
Scissor Assembly	A		
Scissor Bumpers	A		
Lift Cylinder(s)	A		
Base			
Base Weldment	A		
Wheel/Tire Assembly	A	**B***	
Drive Axle	A		
Steer Cylinder Assembly	A		
Tie Rod	A		
Disc Brakes (Models 71xx & 88xx)	A		
Pin Brake (Model 9250)	A		
Drive Motor	A		
Ladder	A		
Outriggers (If Equipped)	A		
Manuals	A		
Function Tests			
Test Main Power Disconnect Switch	A		
Base Control Console			
Test Emergency Stop	A		
Test Platform Raise/Lower Switch	A		
Test Emergency Lowering (Models 71xx & 88xx)	A		
Test Emergency Lowering (Model 9250)	A		
Platform Control Console			
Test Emergency Stop	A		
Test Enable Trigger Switch	A	**B***	
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 Tilt Sensor	A		

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A - Perform Visual and Daily Maintenance Inspections & Functions Test. Refer to Section 2.8 and Section 2.9 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.

WARNING

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

Table 2.9 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

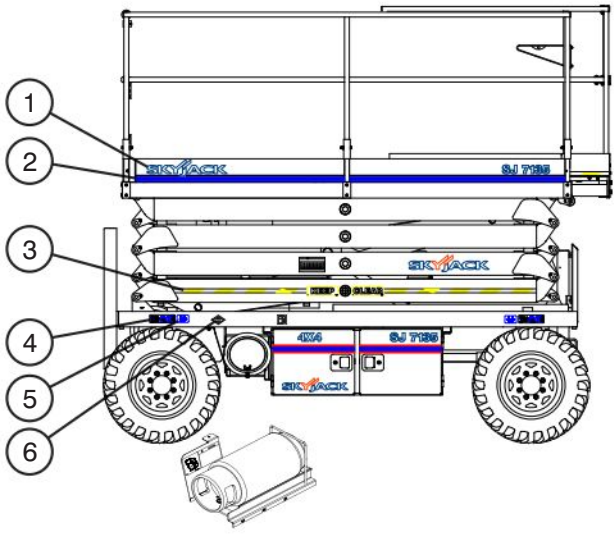
	N/A	P	F	R
Visual and Daily Maintenance Inspections				
Labels				
Electrical				
Limit Switches				
Hydraulic				
Hydraulic/Electrical Compartment				
Main Power Disconnect Switch				
Base Control Switches				
Battery				
Manifolds				
Electrical Panel				
Load/Tilt Sensor				
Hydraulic Tank (Model 9250)				
Hydraulic Oil (Model 9250)				
Emergency Lowering Access Rod (If Equipped)				
Hydraulic/Fuel Compartment				
Hydraulic Tank (Models 71xx & 88xx)				
Hydraulic Oil (Models 71xx & 88xx)				
Fuel Tank				
Fuel Leaks				
Engine Compartment				
Engine Control Console				
Radiator				
Muffler and Exhaust				
Engine Tray				
Hydraulic Pump				
Engine Oil Level				
Engine Air Filter				
Fuel Leaks				
Platform Assembly				
Lanyard Attachment Anchors				
AC Outlet on Platform				
Platform Control Console				
Powered Extension Control Console (If Equipped)				

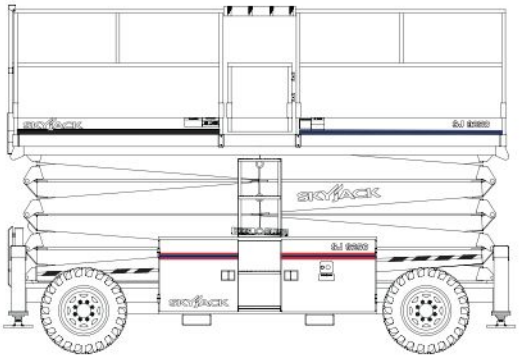
	N/A	P	F	R
Lifting Mechanism				
Scissor Guards				
Sliders				
Maintenance Support				
Scissor Assembly				
Scissor Bumpers				
Lift Cylinder(s)				
Base				
Base Weldment				
Wheel/Tire Assembly				
Drive Axle				
Steer Cylinder Assembly				
Tie Rod				
Disc Brakes (Models 71xx & 88xx)				
Pin Brake (Model 9250)				
Drive Motor				
Ladder				
Outriggers (If Equipped)				
Manuals				
Function Tests				
Test Main Power Disconnect Switch				
Base Control Console				
Test Emergency Stop				
Test Platform Raise/Lower Switch				
Test Emergency Lowering (Models 71xx & 88xx)				
Test Emergency Lowering (Model 9250)				
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 Tilt Sensor				

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

60604AA-CE

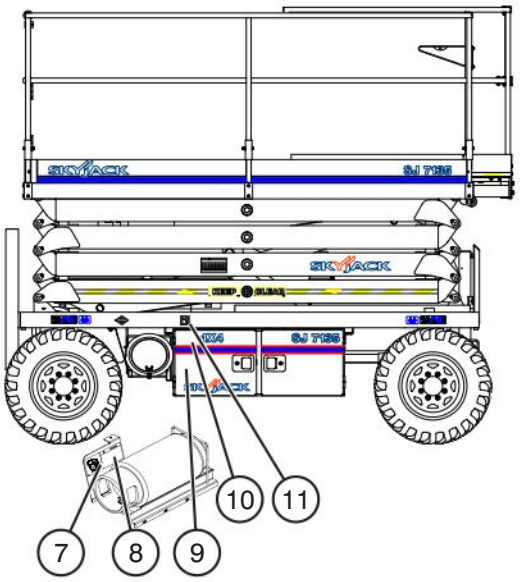
Right Side

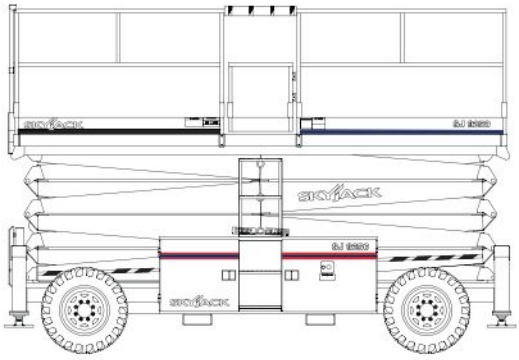




No.	Label Pictorial	Description
1	SKYJACK	**Skyjack Logo** Large Skyjack logo - blue and red
2		**Tape Blue/White** Skyjack pinstripe
3		**Caution Tape Stripe** Caution stripe
4	MANUAL PSI/BAR	**Wheel Specifications** Refer to manual for wheel type, offset, pressure and torque.
5	45 PSI 3.1 BAR	**Tire Pressure*** Inflate tire to indicated pressure. *Note: Tire pressure changes with varying units.
6	PROPANE	**Propane** Indicates propane storage location.

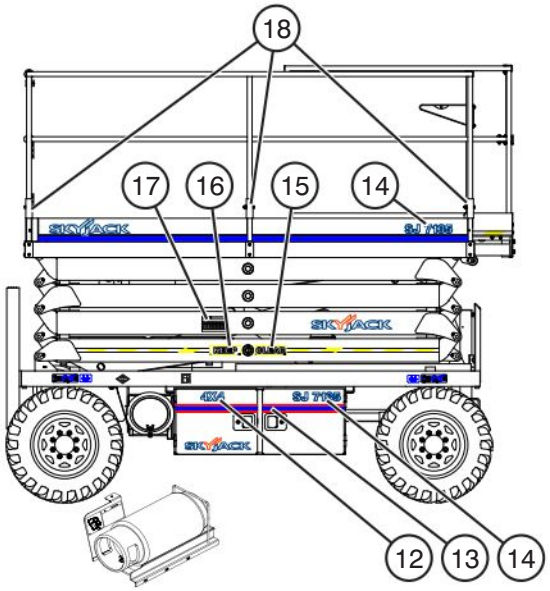
Right Side (Continued)

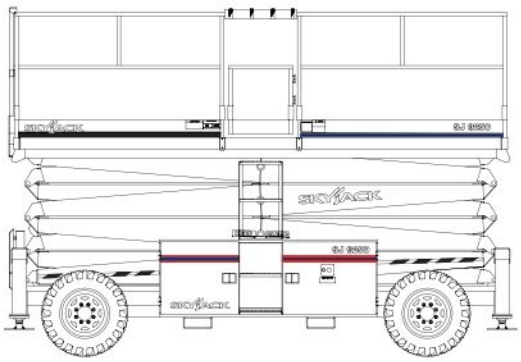




No.	Label Pictorial	Description
7		**Danger - Explosive Fumes** Danger - explosive fumes. Do not smoke while refueling aerial platform.
8		**Liquid Propane** Use liquid propane only.
9		**Sound Power Level** Guaranteed maximum sound power level
10		**"CE"** CE rating mark
11		**Gasoline** Use gasoline only.
		**Diesel** Use diesel fuel only.

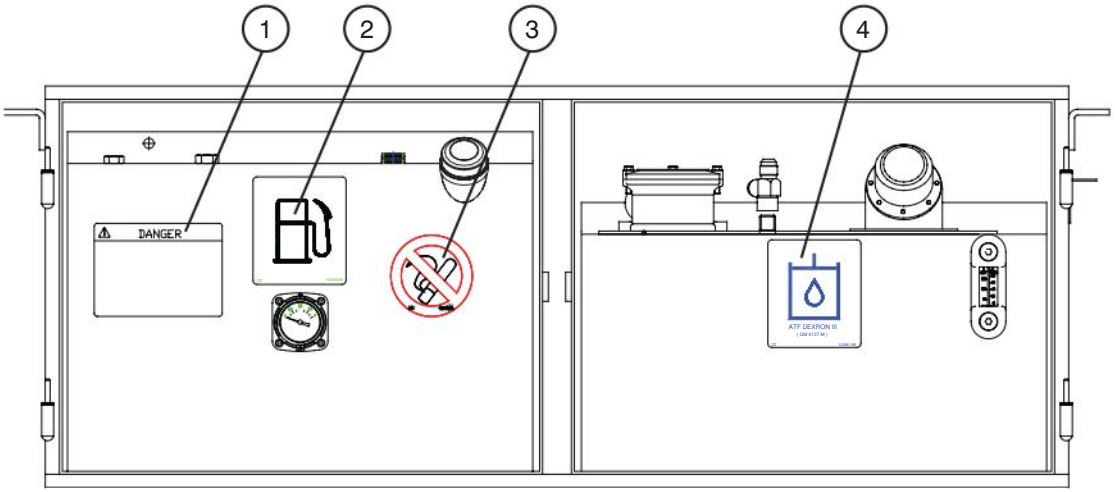
Right Side (Continued)





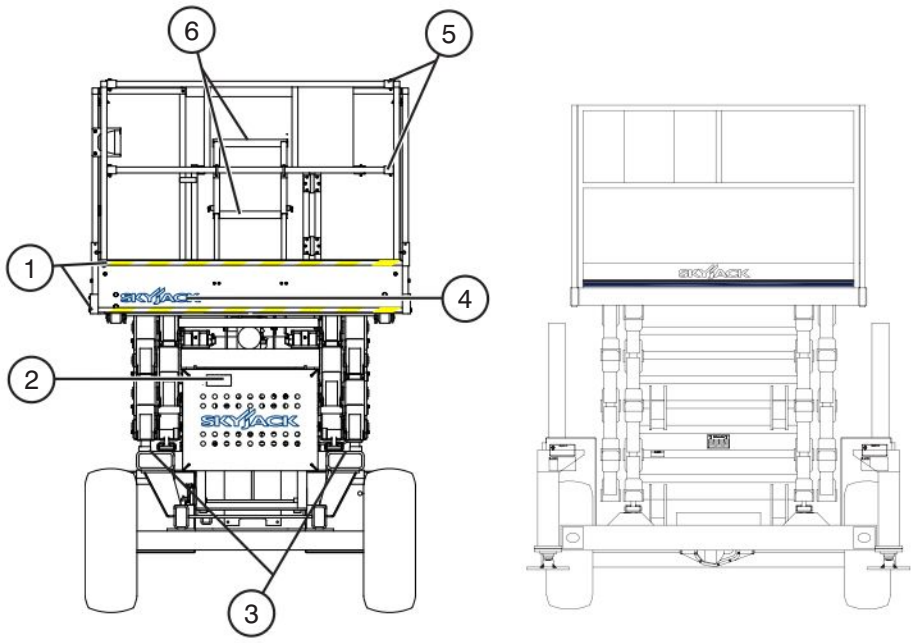
No.	Label Pictorial	Description
12	4X4	**4x4** Product identifier - 4 wheel drive
13		**Tape - Red/Blue/Red** Skyjack pinstripe
14	SJ 7135	**Model Number*** Product Identifier *Model number will vary, may not be as shown.
15	CLEAR	**“Clear”** Keep clear.
16	KEEP	**“Keep”** Keep clear.
17		**Annual Inspection** Ensure that aerial platform has received annual inspection prior to operation.
18		**Warning - Falling hazard. Hinge point.** WARNING! Falling Hazard. Make sure hinged railing is pinned.

Hydraulic/Fuel Compartment



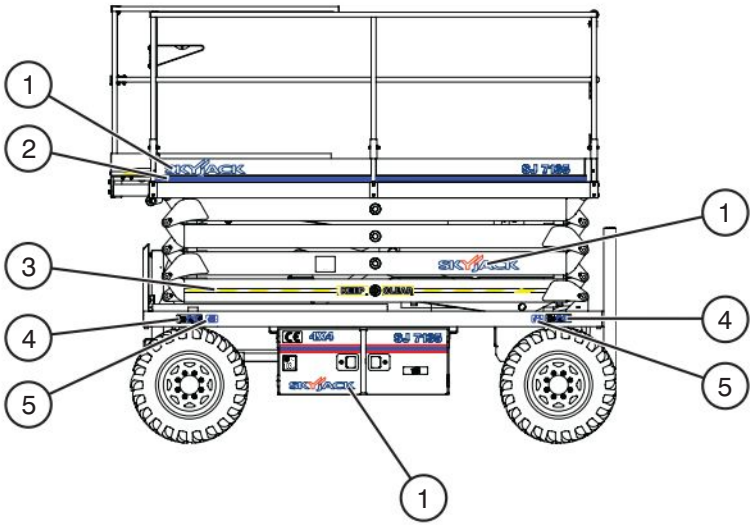
No.	Label Pictorial	Description
1		**Danger - Explosive Fumes** Danger - Explosive Fumes. Do not smoke while refueling aerial platform.
2		**Diesel** Use diesel fuel only.
		**Unleaded Fuel** Use unleaded gasoline only.
3		**No Smoking** Do not smoke near this location.
4		**Hydraulic Oil ATF Dexron III** Replace hydraulic fluid with ATF Dexron III only.

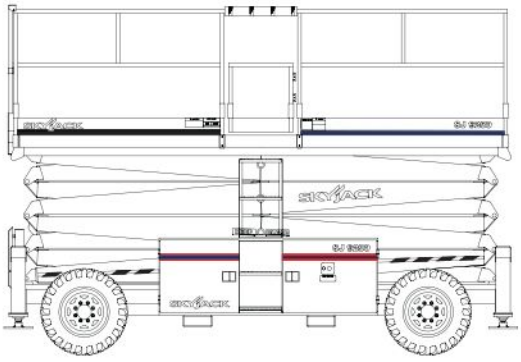
Front Side



No.	Label Pictorial	Description
1		**Caution Tape Stripe** Caution stripe
2	FUEL SWITCH SEQUENCE ENGINE MAY BE STOPPED OR RUNNING FOR THIS PROCEDURE. BE SURE LP TANK IS CONNECTED AND TURNED ON. LP TO GASOLINE: - LOCATE SWITCH ON ENGINE CONTROL PANEL. - MOVE SWITCH FROM LP TO GASOLINE. GASOLINE TO LP: - LOCATE SWITCH ON ENGINE CONTROL PANEL. - MOVE SWITCH FROM GASOLINE TO LP.	**Fuel Switch Sequence** Follow procedure outlined to switch between L.P./Gasoline.
3		**Lift and Tie Down Points** Only use these points for lifting or tying down.
4	SKYJACK	**Skyjack Logo** Large Skyjack logo - blue and red
5		**Warning - Falling hazard. Hinge point.** WARNING! Falling Hazard. Make sure hinged railing is pinned.
6		**No Step** WARNING! Do not step in this location.

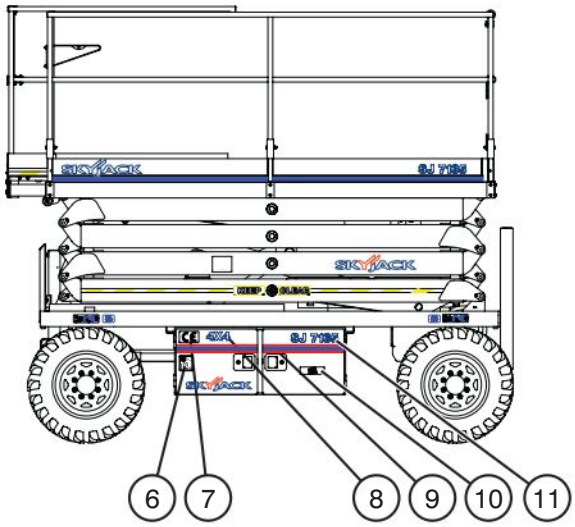
Left Side

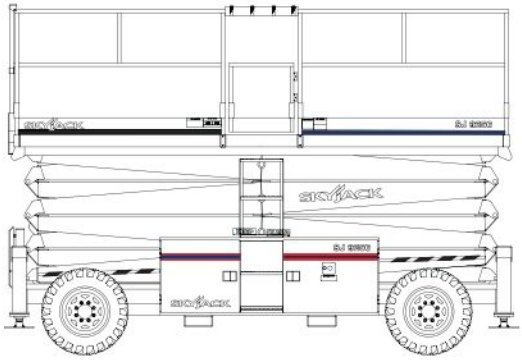




No.	Label Pictorial	Description
1	SKYJACK	**Skyjack Logo** Large Skyjack logo - blue and red
2		**Tape Blue/White** Skyjack pinstripe
3		**Caution Tape Stripe** Caution stripe
4	SKYJACK PSI/BAR MANUAL	**Wheel Specifications** Refer to manual for wheel type, offset, pressure and torque.
5	45 PSI 3.1 BAR	**Tire Pressure*** Inflate tire to indicated pressure. *Note: Tire pressure changes with varying units.

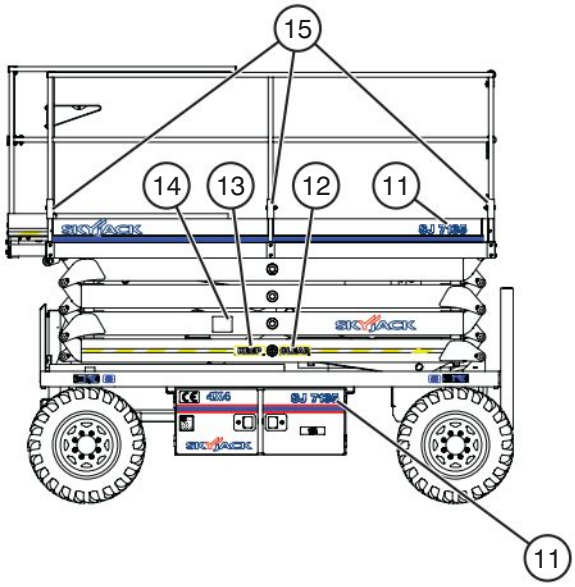
Left Side (Continued)

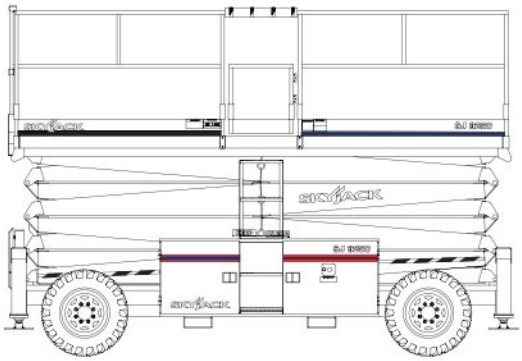




No.	Label Pictorial	Description
6		**Sound Power Level** Guaranteed maximum sound power level
7		**"CE"** CE rating mark
8		**4x4** Product identifier - 4 wheel drive
9		**Tape - Red/Blue/Red** Skyjack pinstripe
10		**Manual Storage Box** Indicates location of operating manual

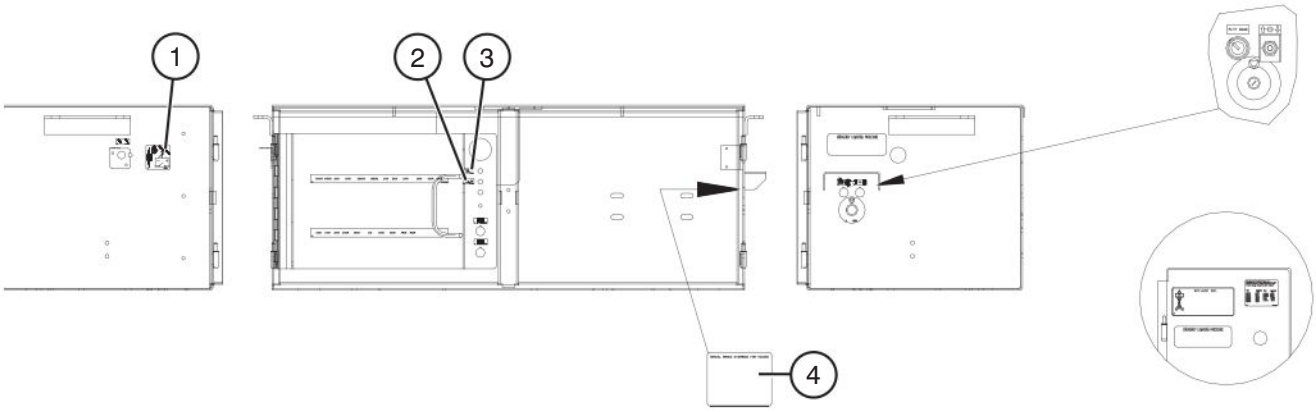
Left Side (Continued)

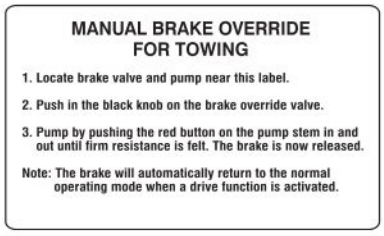




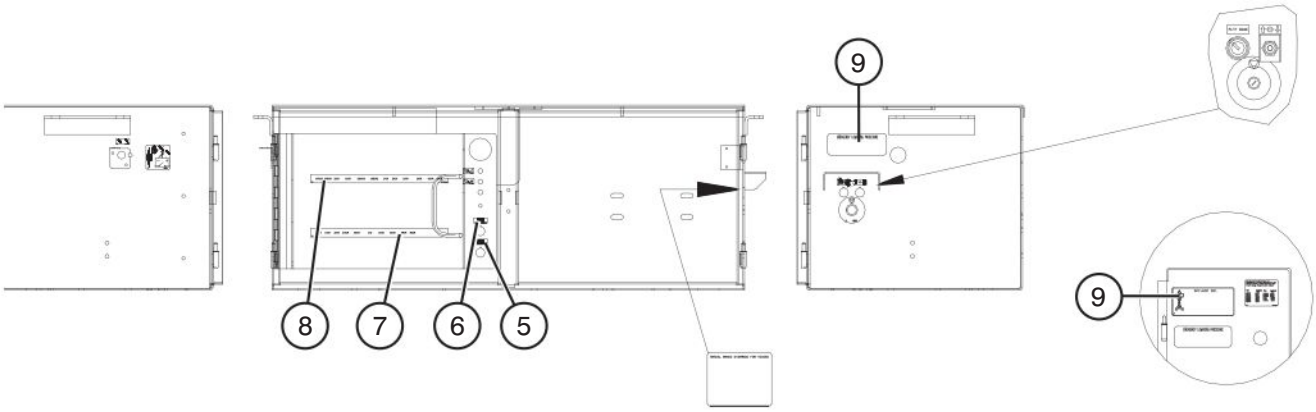
No.	Label Pictorial	Description
11	SJ 7135	**Model Number*** Product Identifier *Model number will vary, may not be as shown.
12	CLEAR	**“Clear”** Keep clear.
13	KEEP	**“Keep”** Keep clear.
14		**Annual Inspection** Ensure that aerial platform has received annual inspection prior to operation.
15		**Warning - Falling hazard. Hinge point.** WARNING! Falling Hazard. Make sure hinged railing is pinned.

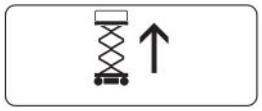
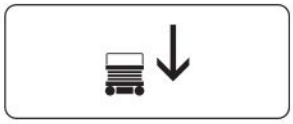
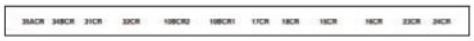
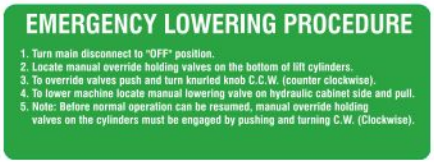
Electrical Panel and Hydraulic/Fuel Compartment



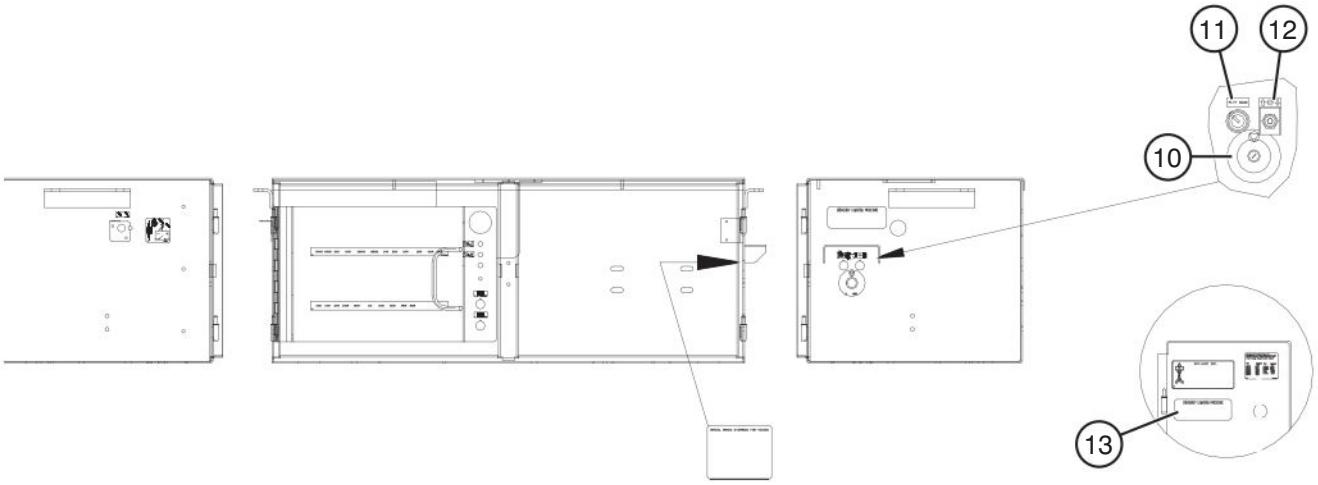
No.	Label Pictorial	Description
1		**Main Power Disconnect** Main power disconnect lever
2		**Ground Circuit Breaker** Push to reset ground circuit breaker.
3		**Power Circuit Breaker** Push to reset power circuit breaker.
4		**Winching/Towing/Pushing Procedure** Winching/towing/pushing procedure. Ensure brake is released and free-wheeling valve is open before moving the unit manually.

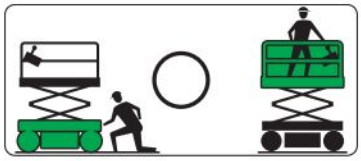
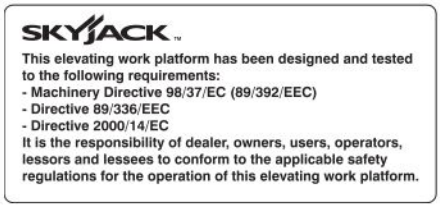
Electrical Panel and Hydraulic/Fuel Compartment (Continued)



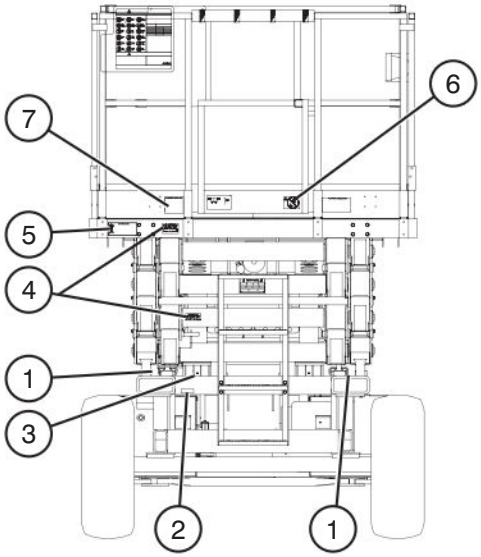
No.	Label Pictorial	Description
5		**Raise Platform** Select to raise platform.
6		**Lower Platform** Select to lower platform.
7		**Relay Names - Lower (Model 71xx)*** Relay names for Model 71xx electrical panel (lower bank) *Note: Relay names will vary with differing units
8		**Relay Names - Upper (Model 71xx)*** Relay names for Model 71xx electrical panel (upper bank) *Note: Relay names will vary with differing units
9		**Emergency Lowering Procedure** In case of emergency, follow procedure outlined in label to lower the platform.

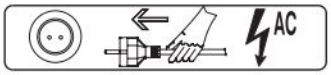
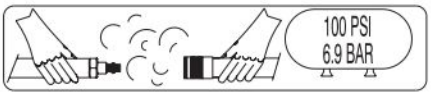
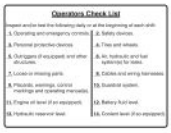
Electrical Panel and Hydraulic/Fuel Compartment (Continued)



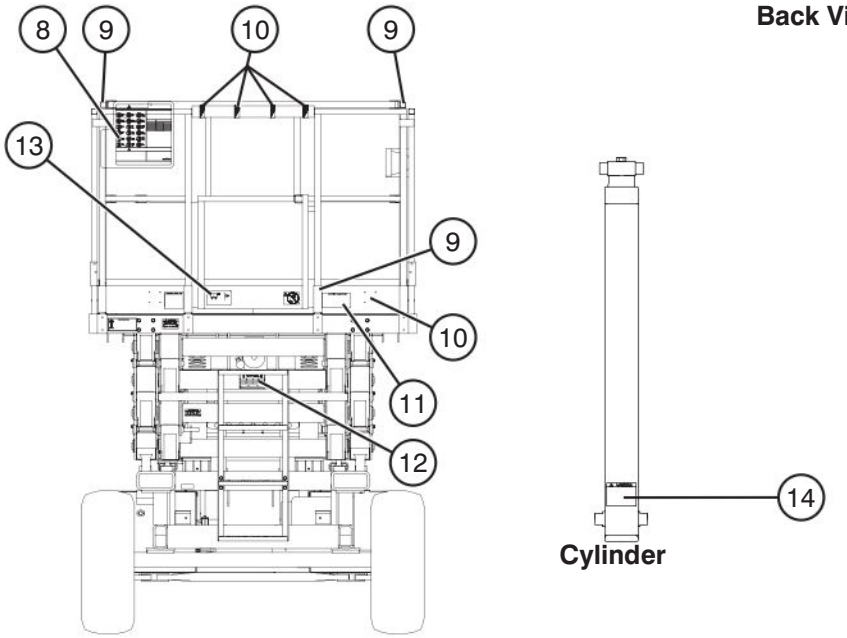
No.	Label Pictorial	Description
10		**Emergency Stop** Push to disable controls.
11		**Base/Off/Platform Switch** Select “ ” to enable base, “ ” off or “ ” platform controls.
12		**Raise/Lower Platform** Select “ ” to lower or “ ” raise platform.
13		**Standards Compliance** Indicates standards to which aerial platform complies.

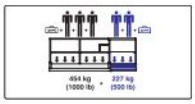
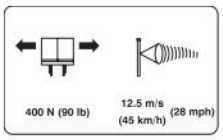
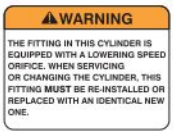
Back Views



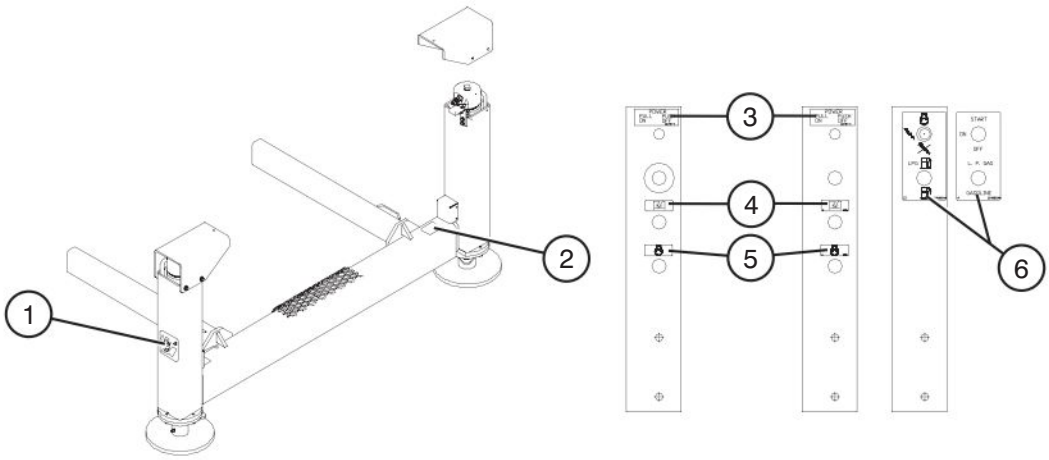
No.	Label Pictorial	Description
1		**Lift and Tie Down Points** Only use these points for lifting or tying down.
2		**Connect Platform A/C Supply** Connect A/C power supply here for platform accessory outlet.
3		**Connect Air Supply** Connect platform air supply here.
4		**Warning - Do Not Alter** Aerial platform altering warning
5		**Standards Compliance** Indicates standards to which the aerial platform complies.
6		**No Jewelry** Caution. Do not wear jewelry.
7		**Operator Checklist** Operator checklist. Perform check prior to use.

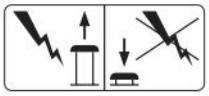
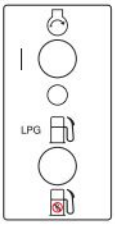
Back Views (Continued)



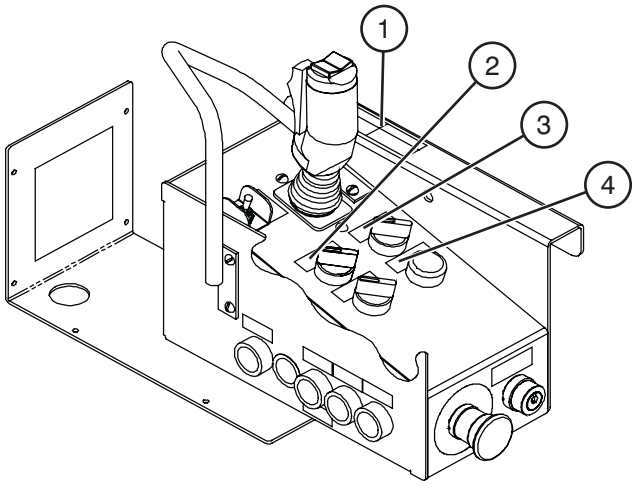
No.	Label Pictorial	Description
8		**Hazard Identification** Read and understand the outlined risks associated with this aerial platform prior to operation.
9		**Warning - Falling hazard. Hinge point.** WARNING! Falling Hazard. Make sure hinged railing is pinned.
10		**Caution Tape Stripe** Caution Strip
11		**Platform Capacity*** Rated work load in each configuration is as shown. *Platform capacity varies over different aerial platforms.
12		**Serial Plate*** Product identification and specifications *Serial plate will vary over different aerial platforms.
13		**Horizontal Load Rating*** Apply no more than the indicated side load. Operate below indicated wind speed only. *Rating will change over varying units.
14		**Orifice Installed** Orifice installation warning

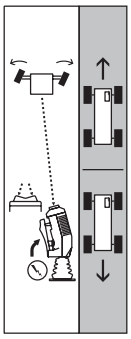
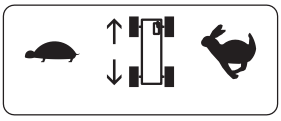
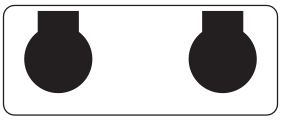
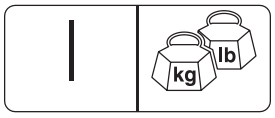
Outrigger and Engine Control Consoles



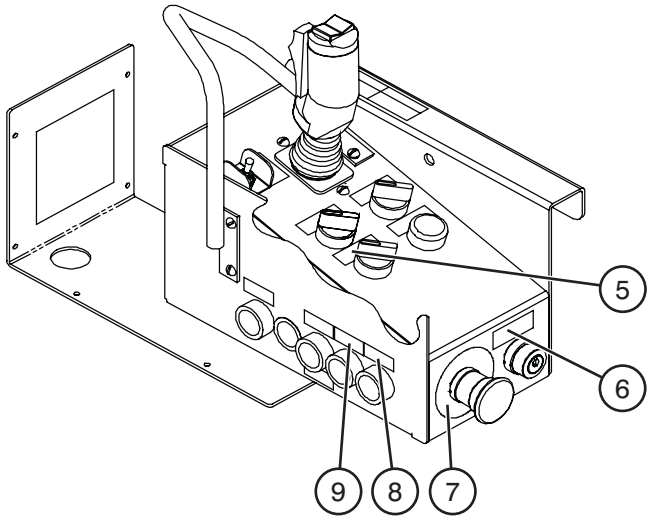
No.	Label Pictorial	Description
1		**Crushing Hazard** Danger - crushing hazard
2		**Warning - Do Not Alter** Aerial platform altering warning
3		**Power On/Off** Pull to turn on, push to turn off.
4		**Start Engine** Select to start engine.
5		**Choke** Select to operate choke.
6		**Engine Control** Select “ ” to start, “ ” run or “ ” stop engine. Select “ ” liquid propane gas or “ ” unleaded gas.

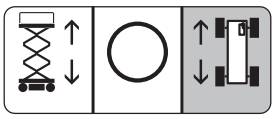
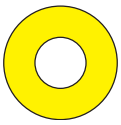
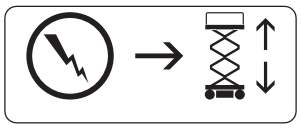
Platform Control Console



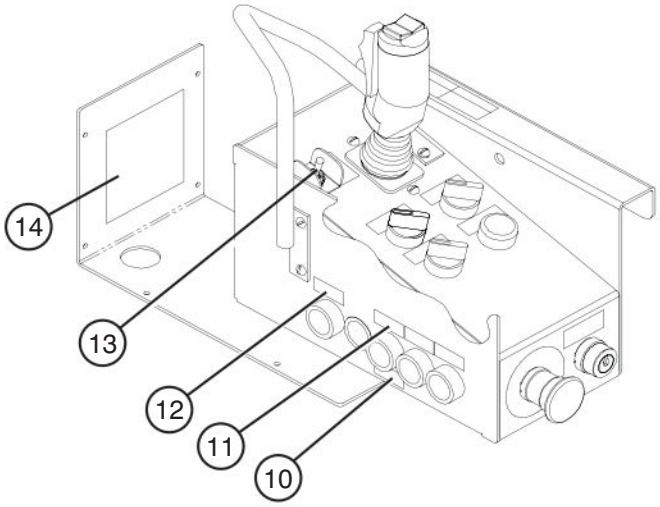
No.	Label Pictorial	Description
1		**Controller Operation** Squeeze "  " trigger to enable controller. Operate "  " rocker switch to steer. Move controller forward "  " to drive forward or backward "  " to drive reverse..
2		**Low/High Speed Range** Select "  " for low speed (high torque) or "  " high speed (low torque).
3		**Low/High Throttle** Select "  " low or "  " high engine speeds.
4		**Power On/Overload Indicator** Continuous illumination indicates upper control availability. Flashing indicates aerial platform is overloaded.

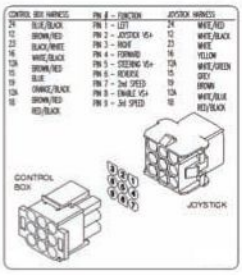
Platform Control Console (Continued)



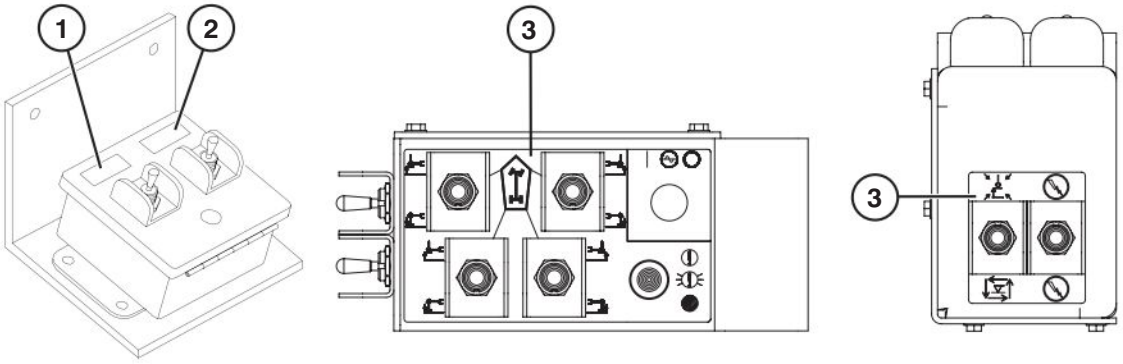
No.	Label Pictorial	Description
5		**Raise/Off/Lower Platform** Select " " to raise the platform, " " to turn power off or " " to lower the platform.
6		**Lift/Off/Drive** Select " " to enable lift, " " off or " " drive mode.
7		**Emergency Stop** Push to disable controls
8		**Lift Enable** Select to enable lift mode.
9		**Start Engine** Select to start engine.

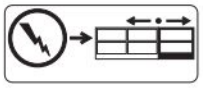
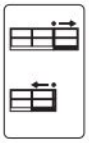
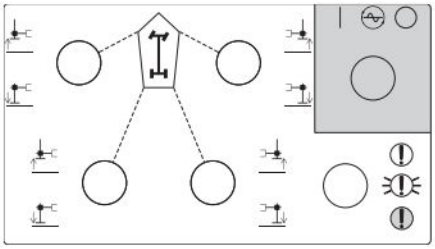
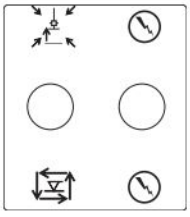
Platform Control Console (Continued)



No.	Label Pictorial	Description
10		**Choke** Select to operate choke.
11		**Glow Plug** Select to activate glow plugs.
12		**Horn** Select to sound horn.
13		**Low/High Torque** Select “ ” low speed (high torque) or “ ” high speed (low torque).
14		**Controller Connector Pinout** Controller connector pinout.

Auxiliary Control Consoles



No.	Label Pictorial	Description
1		**Powered Extension Platform Enable** Select to enable powered extension platform controls.
2		**Powered Extension Platform Extend/Retract** Select "  " to extend or "  " to retract powered extension platform.
3		**Outrigger Controls with Generator** Select "  " to retract or "  " to extend for each outrigger. Select "" to enable or "  " 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.
4		**Automatic Outrigger Controls** Select "  " to retract all outriggers or "  " to extend all outriggers with automatic leveling. Select "  " to enable manual or automatic outrigger controls.

MOBILE ELEVATING PLATFORMS

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