

Specifications*

ITEM	SL-26RT	SL-30RT
Platform Size (Inside Toeboards)		
Standard	67.5 in. X 141.5 in. [1.71 m x 3.59 m]	67.5 in. X 166.25 in. [1.71 m x 4.22 m]
w/ Extension	67.5 in. X 181.5 in. [1.71 m x 4.61 m]	N/A
Max. Platform Capacity		
Standard	1500 lbs. [680 kg]	1300 lbs. [590 kg]
w/ Extension	1500 lbs. [680 kg]	N/A
on Extension	500 lbs. [110 kg]	N/A
Max. No. Of occupants		
Standard	5 people	5 people
on Extension	2 people	N/A
Height		
Working Height	32 ft. [9.75 m]	36 ft. [10.97 m]
Max. Platform Height	26 ft. [7.93 m]	30 ft. [9.14 m]
Min. Platform Height	59 in. [1.5 m]	59 in. [1.5 m]
Dimensions		
Weight	Kohler Gas 5,890 lbs. [2672 kg] Kubota Gas 6,020 lbs. [2731 kg] Kubota Diesel 6,080 lbs. [2757 kg]	Kohler Gas 6,200 lbs. [2812 kg] Kubota Gas 6,330 lbs. [2871 kg] Kubota Diesel 6,390 lbs. [2898 kg]
Overall Width	84 in. [2.13 m]	84 in. [2.13 m]
Overall Height	102.5 in. [2.60 m]	102.5 in. [2.60 m]
Overall Length	149 in. [3.79 m]	173 in. [4.39 m]
Derivable Height	26 ft. [9.75 m]	30 ft. [10.97 m]
Surface Speed		
Platform Lowered	0 to 3.1 mph [0 to 5.0 km/h]	0 to 3.1 mph [0 to 5.0 km/h]
Platform Raised	0 to .5 mph [0 to .8 km/h]	0 to .5 mph [0 to .8 km/h]
System Voltage	12 Volt DC	12 Volt DC
Hydraulic Tank Capacity	12 Gallons [45.5 l]	12 Gallons [45.5 l]
Maximum Hydraulic System Pressure	2500 psi [172 bar]	2500 psi [172 bar]
Hydraulic Fluid		
Normal Use (>32 °F [0 °C])	ISO #46	ISO #46
Low Temp. Use (-10 to 32 °F [-23 to 0 °C])	5W-20 Motor Oil	5W-20 Motor Oil
Lift System	One Single Stage Lift Cylinder	One Single Stage Lift Cylinder
Lift Speed	Raise, 21 sec./Lower, 32 sec.	Raise, 24 sec./Lower, 36 sec.
Power Source	20 HP Kohler Magnum, 20 HP Kubota WG750, 20 HP Kubota D905 (Diesel)	20 HP Kohler Magnum, 20 HP Kubota WG750, 20 HP Kubota D905 (Diesel)
Drive Control	Proportional	Proportional
Control System	Proportional Joystick Controller with Interlock	Proportional Joystick Controller with Interlock
Horizontal Drive	Four Wheel, Hydraulic Motors	Four Wheel, Hydraulic Motors
Tires	26 x 12.00 - 12 NHS Super Terra-grip with Trac Seal	26 x 12.00 - 12 NHS Super Terra-grip with Trac Seal
Parking Brakes	Two, Spring Applied, Hydraulic Release, Multiple Disc	Two, Spring Applied, Hydraulic Release, Multiple Disc
Turning Radius (inside)	13 ft. [3.96 m]	13 ft. [3.96 m]
Maximum Gradeability	35% [19°]	35% [19°]
Wheel Base	100 in. [2.54 m]	100 in. [2.54 m]
Guardrails	43.5 in. [1.11 m] high, Fold Down with Gate	43.5 in. [1.11 m] high, Fold Down with Gate
Toeboard	6 in. [152 mm] High	6 in. [152 mm] High

* Specifications subject to change without notice.

Hot weather or heavy use may reduce performance.

Meets or exceeds all applicable requirements of OSHA and ANSI A92.6-1999

Refer to Service Manual for complete parts and service information.

FOR MORE INFORMATION

UpRight
USA

TEL: (800) 926-5438 or (559) 891-5200
FAX: (559) 896-9012
PARTS: (888) UR-PARTS
PARTSFAX: (559) 896-9244
1775 Park St., Selma, CA 93662
http://www.upright.com

Local Distributor:

060588-013
12/99 D

UpRight

Operator Manual

SL-26/30RT

SERIAL NO. 13300 to Current

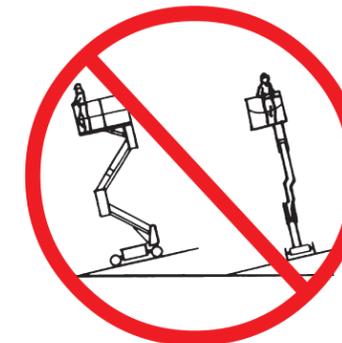
WARNING

All personnel shall carefully read, understand and follow all safety rules, operating instructions and the Scaffold Industry Association's MANUAL OF RESPONSIBILITIES (ANSI A92.6) before performing maintenance on or operating any UpRight aerial work platform.

SAFETY RULES



NEVER operate the machine within ten feet of power lines. **THIS MACHINE IS NOT INSULATED.**



NEVER elevate the platform or drive the machine while elevated unless the machine is on a firm level surface.



NEVER sit, stand or climb on guardrail or midrail.

NEVER operate the machine without first surveying the work area for surface hazards such as holes, drop-offs, bumps and debris before operating machine.

NEVER operate the machine if all guardrails are not properly in place and secured with all fasteners properly torqued.

SECURE gate across entrance after mounting platform.

NEVER use ladders or scaffolding on the platform.

NEVER attach overhanging loads or increase platform size.

LOOK up, down and around for overhead obstructions and electrical conductors.

CHECK all four tires for correct inflation. See Specifications.

DISTRIBUTE all loads evenly on the platform. See the back cover for maximum platform load.

NEVER use damaged equipment. (Contact UpRight for instructions, see toll free number on back cover.)

NEVER change operating or safety systems.

INSPECT the machine thoroughly for cracked welds, loose hardware, hydraulic leaks, damaged control cable, loose wire connections and wheel bolts.

NEVER climb down elevating assembly with the platform elevated.

NEVER perform service on machine while platform is elevated without blocking elevating assembly.

NEVER recharge batteries near sparks or open flame; batteries that are being charged emit highly explosive hydrogen gas.

AFTER USE secure the work platform against unauthorized use by turning key switch off and removing key.

NEVER replace any component or part with anything other than original UpRight replacement parts without the manufacturers consent.

California Proposition 65 Warning

Gasoline and diesel engine exhaust and some of their constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

Safety Rules and Operating Instructions

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Introduction

This manual covers SL-26/30 Rough Terrain Work Platforms. **This manual must be stored on the machine at all times.**

Pre-Operation and Safety Inspection

Read, understand and follow all safety rules and operating instructions and then perform the following steps each day before use.

1. Remove module covers and inspect for damage, oil leaks or missing parts.
2. Check the level of the hydraulic oil with the platform fully lowered. Oil should be visible in the sight gauge. Add hydraulic oil, if necessary (see *Specifications, back cover*).
3. Check that the fluid level in the battery is correct (see *Battery Maintenance, page 7*).
4. Carefully inspect the entire work platform for damage such as cracked welds or structural members, loose or missing parts, oil leaks, damaged cables or hoses, loose connections and tire damage.
5. Check that all guardrails are securely in place with all fasteners properly torqued.
6. Check tire pressure (50 psi).
7. Position the Chassis Emergency Stop Switch to ON.

Gas / Propane Model Inspection

1. Check fuel supply.
2. Check engine oil level with dipstick.
3. Set Fuel Selector Switch to desired position. Set to the center position to purge the system when switching fuels. If the machine is to be operated on propane, open the supply valve on the tank.
3. While the engine is cool check the radiator coolant level. **DO NOT** check coolant when the engine or radiator is hot.

NOTE: When using LP gas, use clean, water free liquid petroleum gas, preferably from a bulk storage tank. Follow the instructions located on the Power Module tray for filling the tank.

⚠ WARNING ⚠

If you smell propane, close the supply valve on the tank immediately until you have located and corrected the leak.

Diesel Model Inspection

1. Check fuel supply.
2. Check engine oil level with dipstick.
3. While the engine is cool check the radiator coolant level. **DO NOT** check coolant when the engine or radiator is hot.

System Function Inspection

⚠ WARNING ⚠

STAND CLEAR of the work platform while performing the following checks.

Before operating the work platform survey the work area for surface hazards such as holes, drop-offs, bumps and debris.

Check in ALL directions, including above the work platform, for obstructions and electrical conductors.

Protect control console cable from possible damage while performing checks.

1. Unhook Controller from front guardrail. Firmly grasp Controller hanger in such a manner that the Interlock Lever can be depressed, while performing the following checks from the ground.
2. Pull Controller Emergency Stop Button out to ON position.
3. Turn Controller Key Switch fully clockwise to start the engine, releasing the key once the engine starts.

Note: (Kubota engines) If the engine is cold, depress the choke button and hold while starting. Diesel models: depress and hold the glow plug button for 6 seconds prior to starting to engage the glow plugs.

4. Place Drive/Lift Switch in **DRIVE** position.

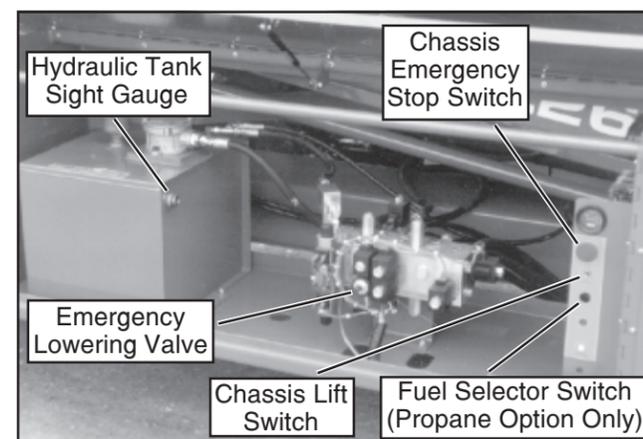


Figure 1: Control Module, Chassis Left Side

NOTES:

5. With the Speed Range Switch first in **HIGH TORQUE** and then in **HIGH SPEED** actuate the Interlock Lever and slowly push the Control Lever to **FORWARD** then **REVERSE** positions to check for speed and directional control. The farther you push or pull the Control Lever from center the faster the machine will travel.
6. Push Steering Switch **RIGHT** then **LEFT** to check for steering control.
7. Rehook Controller on front guardrail.
8. Push Chassis Lift Switch to **UP** position and elevate platform while pushing the Tilt Sensor off of level. The platform should only elevate about one foot (.3 m) and the Tilt Alarm should sound. If the platform continues to elevate and/or there is no alarm **STOP** and remove the machine from service until repaired.
9. Release the Tilt Sensor and fully elevate platform.
10. Visually inspect the elevating assembly, lift cylinder, cables and hoses for damage or erratic operation. Check for missing or loose parts.
11. Lower the platform partially by pushing Chassis Lift Switch to **DOWN**, and check operation of the audible lowering alarm.
12. Open the Chassis Emergency Lowering Valve, push in and turn counterclockwise, to check for proper operation. Once the platform is fully lowered, close the valve, push in and turn clockwise until the detent engages.
13. Close and secure module doors.
14. Turn the Controller Key Switch counterclockwise to OFF.

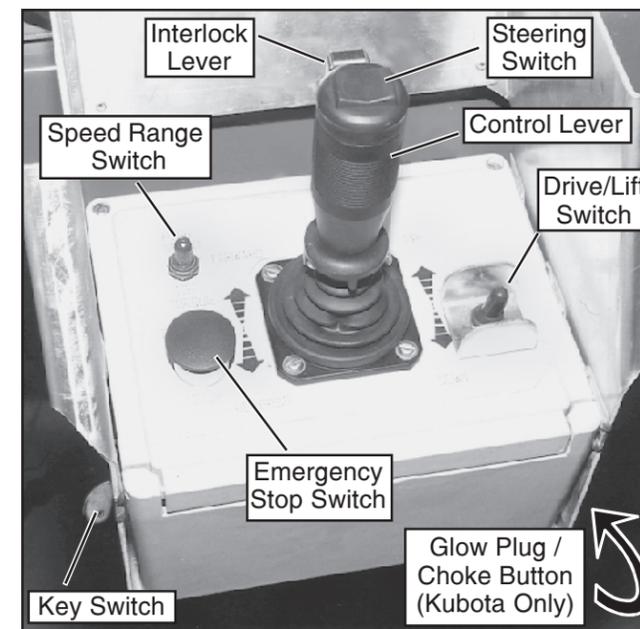


Figure 2: Controller

Operation

Before operating work platform, ensure that the pre-operation and safety inspection has been completed, any deficiencies have been corrected and the operator has been thoroughly trained on this machine.

Travel With Platform Lowered

1. Verify Chassis Emergency Stop Switch is in the ON position.
2. After mounting platform, close and latch gate. Check that guardrails are in position and properly assembled with fasteners properly torqued.
3. Check that route is clear of persons, obstructions, holes and drop-offs and is capable of supporting the wheel loads.
4. Check clearances above, below and to the sides of the platform.
5. Pull Controller Emergency Stop Button out to ON position.
6. Turn Controller Key Switch fully clockwise to start the engine, releasing the key once the engine starts.

Note: (Kubota engines) If the engine is cold, depress the choke button and hold while starting. Diesel models: depress and hold the glow plug button for 6 seconds prior to starting to engage the glow plugs.

7. Set the Drive/Lift Speed Range Switch to **HIGH TORQUE**.
8. Grasp the Control Lever so the Interlock Lever is depressed (releasing the Interlock Lever cuts power to Controller). Slowly push or pull the Control Lever to **FORWARD** or **REVERSE** to travel in the desired direction. The farther you push or pull the Control Lever from center the faster the machine will travel.
9. While moving, push the Drive/Lift Speed Range Switch to **HIGH SPEED** for travel on level surfaces or to **HIGH TORQUE** for climbing grades or traveling in confined areas.

Steering

1. Push the Steering Switch **RIGHT** or **LEFT** to turn the wheels. Observe the tires while maneuvering to insure proper direction.

NOTE: Steering is not self-centering. Wheels must be returned to the straight ahead position by operating the Steering Switch.

Raising and Lowering The Platform

1. Position the Drive/Lift Switch to **LIFT**.
2. While holding the Control Lever so the Interlock Lever is depressed, push the Control Lever slowly to **UP** to raise the platform. Pushing the Control Lever farther increases the lift speed.
3. When the work task is completed, position the Drive/Lift Switch to **LIFT** and lower the platform by pulling back on the Control Lever until the platform is fully lowered.

Travel With Work Platform Elevated

Travel with platform elevated **ONLY** on firm and level surfaces.

NOTE: The Work Platform will travel at reduced speed when in the elevated position.

1. Check that the route is clear of persons, obstructions, holes and drop-offs, is level and capable of supporting the wheel loads.
2. Check clearances above, below and to the sides of platform.
3. Position the Drive/Lift Switch to the **DRIVE** position.
4. Push the Control Lever to **FORWARD** or **REVERSE** for the desired direction of travel.

If the machine quits driving and the Tilt Alarm sounds, immediately lower the platform and move the machine to a level location before re-elevating the platform.

Emergency Lowering

The Emergency Lowering Valve is located on the left hand side of the chassis through the cutout in the Control Module cover.

1. Open the Emergency Lowering Valve by pushing in and turning the knob counterclockwise approximately 1/4 turn, the knob will pop out, disengaging detent.
2. Once the platform is fully lowered, be certain that the Emergency Lowering Valve is closed again. The platform will not elevate if the Emergency Lowering Valve has not been closed.
3. To close the Emergency Lowering Valve, push the knob in and turn approximately 1/4 turn clockwise until the detent engages.

Switching Fuels (Gas / Propane Only)

1. With engine running push the Fuel Selector Switch (Figure 1) to the center position.
2. After the engine has quit running select the appropriate fuel supply.
3. Restart the engine.

After Use Each Day

1. Ensure that the platform is fully lowered.
2. Park the machine on level ground, preferably under cover, secure against vandals, children or unauthorized operation.
3. Turn the Key Switch to **OFF** and remove the key to prevent unauthorized operation.

Parking Brake Release (Figure 3)

Perform the following only when the machine will not operate under its own power and it is necessary to move the machine or when towing the machine up a grade or winching onto a trailer to transport.

1. Close the needle valve by turning the knob clockwise.
2. Pump the Brake Release Pump until the Parking Brakes release and the wheels can be turned.
3. The machine will now roll when pushed or pulled.
4. Be sure to open the needle valve and verify that the Parking Brakes have engaged before the machine is operated.

⚠ WARNING ⚠

Never operate work platform with the Parking Brakes inoperative. Serious injury or damage could result.

Never tow faster than 1 ft./sec. (.3 m/sec).

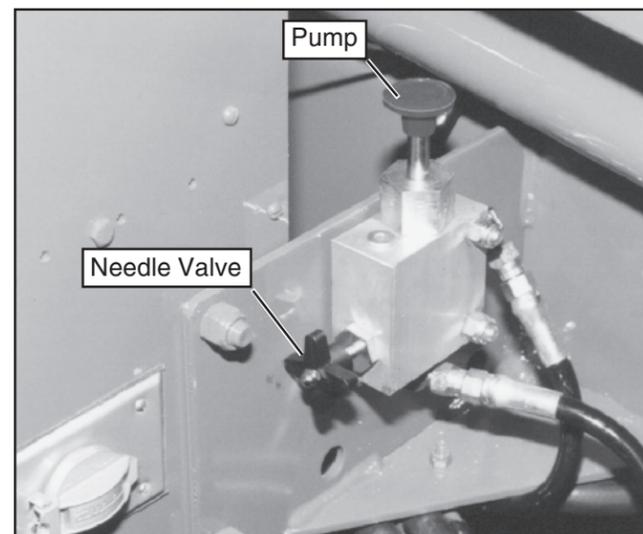


Figure 3: Brake Release Pump

Note: Labels can be ordered by using Part Number located by each label. For machines equipped with options consult Service Manual.

SL-26/30 RT LABEL INSTALLATION: THESE LABELS SHALL BE PRESENT AND IN GOOD CONDITION BEFORE OPERATING THE WORK PLATFORM. BE SURE TO READ, UNDERSTAND AND FOLLOW THESE LABELS WHEN OPERATING THE WORK PLATFORM.

Routine Service

Use the following table as a guide for routine maintenance. **Inspection and maintenance shall be performed by personnel who are trained and familiar with mechanical and electrical procedures.** Refer to the Service Manual for complete service instructions.

Please copy this page and use the Routine Service table as a checklist when inspecting a machine for service.

COMPONENT	INSPECTION OR SERVICES	INTERVAL	Y	N	R
Engine Oil	Check level and condition	Daily			
	Check for leaks	Daily			
	Change oil & filter (Dual Fuel)	30D			
	Change oil & filter (Diesel)	100HOURS			
Engine Fuel System	Check fuel level	Daily			
	Check for leaks	Daily			
	Replace fuel filter	6M			
	Check air cleaner	Daily			
Engine Battery System	Check electrolyte level	Daily			
	Check specific gravity	30D			
	Clean exterior	6M			
	Check battery cable condition	Daily			
Engine Coolant (Kubota)	Clean terminals	6M			
	Check coolant level (with engine cold)	Daily			
Hydraulic Oil	Replace coolant	3M			
	Check oil level	Daily			
	Change filter	6M			
Hydraulic System	Drain and replace oil	2Y			
	Check for leaks	Daily			
	Check hose connections	30D			
Emergency Hydraulic System	Check hoses for exterior wear	30D			
	Open the emergency lowering valve and check for serviceability	Daily			
Controller	Check switch operation	Daily			
Control Cable	Check the exterior of the cable for pinching, binding or wear	Daily			
Platform Deck and Rails	Check fasteners for proper torque	Daily			
	Check welds for cracks	Daily			
Tires	Check condition of deck	Daily			
	Check for damage	Daily			
	Check air pressure (50psi-26x12.00-12NHS)	Daily			
Hydraulic Pump	Check lug nuts (torque to 90 ft. lbs. [123 Nm])	30D			
	Wipe clean	30D			
	Check for leaks at mating surfaces	30D			
	Check for hose fitting leaks	Daily			
	Check mounting bolts for proper torque	30D			
Drive Motors	Check the drive coupling for proper alignment and lubricate	1Y			
	Lubricate pump splines (Kohler engine)	6M			
Steering System	Check for operation and leaks	Daily			
	Check hardware & fittings for proper torque	6M			
	Grease pivot pins	30D			
	Oil king pins	30D			
	Check steering cylinder for leaks & mounting bolts for proper torque	30D			

Routine Service Table Key

Interval

- Daily=each shift (every day) or every eight hours
- 30d=every month (30 days) or every 50 hours
- 3m=every 3 months or 125 hours
- 6m=every 6 months or 250 hours
- 1y=every year or 500 hours
- 2y=every 2 years or 1000 hours

- Y=Yes/Acceptable
- N=No/Not Acceptable
- R=Repaired/Acceptable

COMPONENT	INSPECTION OR SERVICES	INTERVAL	Y	N	R
Elevating Assembly	Inspect for structural cracks	Daily			
	Check pivot points for wear	30D			
	Check mounting pin pivot bolts for proper torque	30D			
	Check linkage gear for wear	6M			
	Check elevating arms for bending	6M			
	Grease linkage pins	30D			
Chassis	Grease linkage gear	30D			
	Check hoses for pinch or rubbing points	Daily			
	Check component mounting for proper torque	6M			
	Check welds for cracks	Daily			
Lift Cylinder	Check the cylinder rod for wear	30D			
	Check mounting pin pivot bolts for proper torque	30D			
	Check pivot pin snap rings	30D			
	Check seals for leaks	30D			
	Inspect pivot points for wear	30D			
	Check fittings for proper torque	30D			
Axle Cylinder	Check the cylinder rod for wear	30D			
	Check mounting pin pivot bolts for proper torque	30D			
	Check seals for leaks	30D			
	Inspect pivot points for wear	30D			
Entire Unit	Check fittings for proper torque	30D			
	Check for and repair collision damage	Daily			
	Check fasteners for proper torque	3M			
	Check for corrosion-remove and repaint	6M			
Labels	Lubricate	30D			
	Check for peeling, missing, or unreadable labels & replace	Daily			

Service Report

Date: _____

Owner: _____

Model No: _____ Serial No: _____

Serviced By: _____

Service Interval: _____

Fold Down Guardrails

This procedure is only for passing through doorways. Guardrails must be returned to proper position before using the machine.

Fold Down Procedure (Figure 4)

Note: When performing the following procedures retain all fasteners.

- Place controller on platform.
- Starting at the front of the platform, remove nuts, bolts and washers from the top of the front guardrail. Fold the front guardrail down onto the platform.
- Close and latch the gate.
- Remove nuts, bolts and washers from the top of the rear guardrail. Fold the rear guardrail down onto the platform being careful to keep gate latched at all times.
- Remove nuts, bolts and washers from the top of the side guardrails and from the slideout deck midrail. Lift up and fold one side guardrail in so it rests on the deck. Repeat with other side guardrails.

Erection Procedure

- Raise side guardrails making sure each is pushed down to secure the guardrail in the vertical position.
- Install bolts, washers and nuts between the side guardrails, tighten securely.
- Raise rear guardrail assembly, aligning holes and install bolts, washers and nuts. Tighten securely.

⚠ DANGER ⚠

Before entering Platform, guardrails must be securely fastened in their proper position.

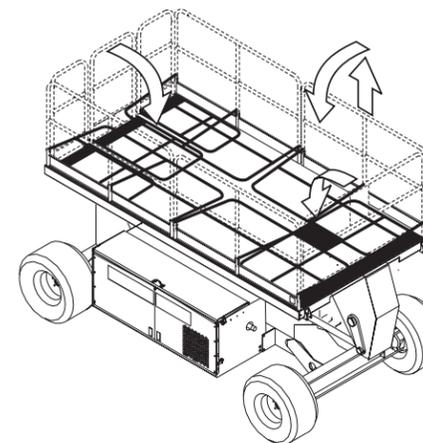


Figure 4: Fold Down Guardrails

Transporting Work Platform

By Forklift

NOTE: Forklifting is for transporting only.

⚠ CAUTION ⚠

See specifications for weight of work platform and be certain that forklift is of adequate capacity to lift platform.

Forklift from side of Chassis by lifting under the Chassis Modules (Figure 5).

By Crane

- Secure straps to Lifting Lugs only (Figure 5).

By Truck

- Maneuver the work platform into transport position and chock wheels.
- Secure the work platform to the transport vehicle with chains or straps of adequate load capacity attached to the chassis tie down lugs (Figure 5).

⚠ CAUTION ⚠

Tie down lugs are not to be used to lift work platform. Overtightening of chains or straps through tie down lugs may result in damage to work platform.

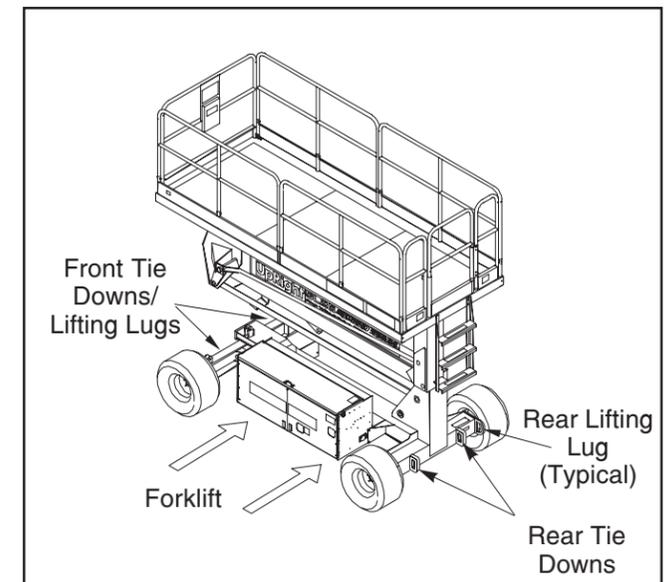


Figure 5: Transporting Work Platform

Maintenance

⚠ DANGER ⚠

Never perform service on the work platform in the Elevating Assembly area while platform is elevated without first blocking the Elevating Assembly.

DO NOT stand in Elevating Assembly area while installing or removing brace.

⚠ CAUTION ⚠

DO NOT support or raise the front of the platform during any maintenance operation as this may result in damage to the tension members.

Blocking Elevating Assembly (Figure 6)

Installation

1. Park the work platform on firm level ground.
2. Remove Control Module covers.
3. Verify both Emergency Stop Switches are ON.
4. Turn Chassis Key Switch to **CHASSIS**.
5. Position Chassis Lift Switch to **UP** and elevate platform approximately 12 inches (305 mm).
6. Place a jackstand with a minimum rating of 4,000 lbs. (1,814 Kg) between the Lower Arm and Chassis just behind the front axle.
7. Push Chassis Lift Switch to **DOWN** position and gradually lower platform until jackstand is secured tightly between Lower Arm and Chassis.

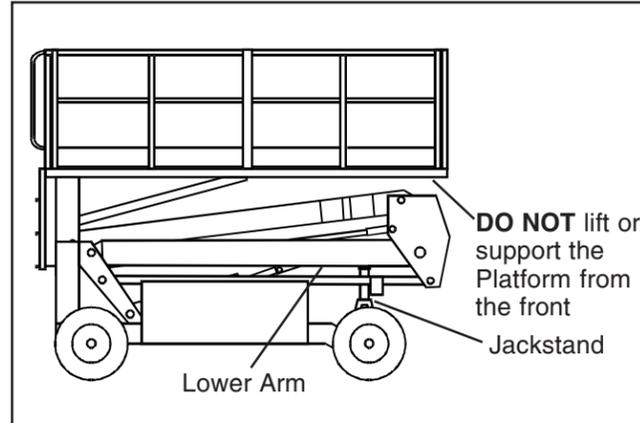


Figure 6: Blocking Elevating Assembly

Removal

1. Push Chassis Lift Switch to **UP** position and gradually raise platform until jackstand can be removed.
2. Remove jackstand.
3. Push Chassis Lift Switch to **DOWN** position and completely lower platform.

Battery Maintenance

⚠ WARNING ⚠

Hazard of explosive gas mixture. Keep sparks, flame, and smoking material away from battery.

Always wear safety glasses when working with batteries.

Battery fluid is highly corrosive. Thoroughly rinse away any spilled fluid with clean water.

Battery Inspection and Cleaning

Check battery fluid level daily, especially if work platform is being used in a warm, dry climate. If the electrolyte level is lower than $\frac{3}{8}$ in. (10mm) above the plates, add clean, distilled water **only**. Use of tap water with high mineral content will shorten battery life.

The battery should be inspected regularly for signs of cracks in the case, electrolyte leakage and corrosion of the terminals. Inspect cables for worn spots or breaks in the insulation and for broken cable terminals.

Clean the battery when there is signs of corrosion at the terminals or when electrolyte has overflowed during charging. Use a baking soda solution to clean the battery, taking care not to get the solution inside the cells. Rinse thoroughly with clean water. Clean battery and cable contact surfaces to a bright metal finish whenever a cable is removed.