

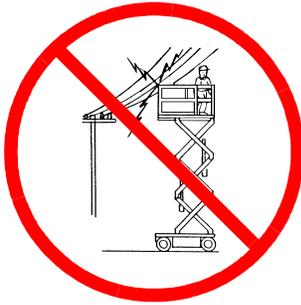
## LX Series

Serial No. 3300 to Current

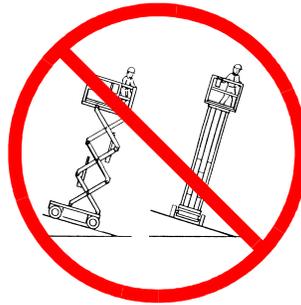
### WARNING

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 operating or performing maintenance on any Upright boom supported aerial work platform.

## SAFETY RULES



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



**NEVER** elevate or drive elevated on uneven slopes or soft ground or elevate the platform unless the platform is level.



**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.

**NEVER** operate the machine if all guardrails are not properly in place and secured with all fasteners properly torqued.  
**SECURE** and lock gate after mounting platform.

**KEEP** all body parts clear of outriggers when extending or retracting (outrigger equipped machines only).

**NEVER** use ladders or scaffolding on the platform.

**NEVER** attach overhanging loads or increase platform size.

**MAINTAIN** tire pressure at 50 psi (LX31/41).

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

**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 phone 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 battery 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 manufacturer's 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.

## INTRODUCTION

This manual covers all models of the LX Series Work Platforms. This manual must be stored on the machine at all times.

## PRE-OPERATION & SAFETY INSPECTION

**NOTE:** Carefully read, understand and follow all safety rules, operating instructions, labels and the Scaffold Industry Association's **MANUAL OF RESPONSIBILITIES**. Perform the following steps each day before use.

1. Open modules and inspect for damage, oil leaks or missing parts.
2. Check the hydraulic oil level sight gauge on the hydraulic tank with the platform fully lowered. Add fluid if necessary.
3. Check that fluid level in the battery is correct (see *Battery Maintenance*).
4. Check the engine oil level and fuel level.
5. Check that all guardrails are in place, the slide out deck extension is secured with the pin and all fasteners are properly tightened.
6. Check tire pressure; 50 psi (3.4 bar)
7. 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.
8. Move machine, if necessary, to unobstructed area to allow for full elevation.
9. Place chassis and platform emergency stop switches in the ON position (Figures 1 & 2) by pulling the buttons out.
10. Verify platform/chassis switch is set to PLATFORM.
11. **Dual Fuel Models:** set dual fuel selector 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

**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.

12. While the engine is cool check the engine coolant level.

## CAUTION

DO NOT check coolant when engine or radiator is hot, hot coolant can cause severe burns.

## 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.

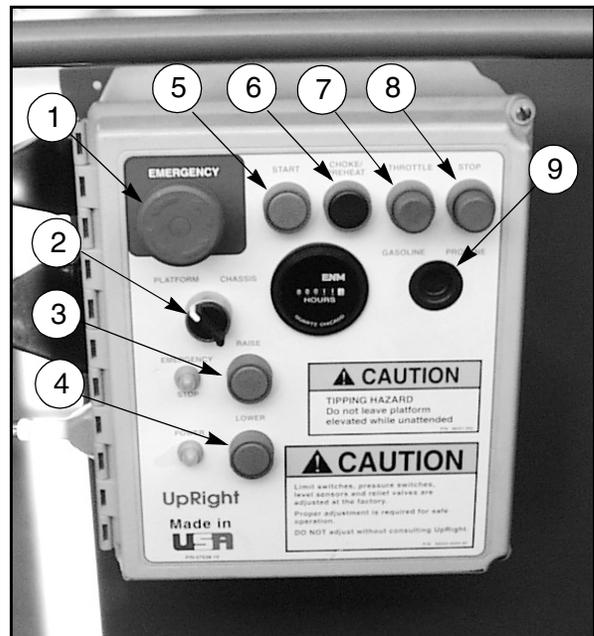


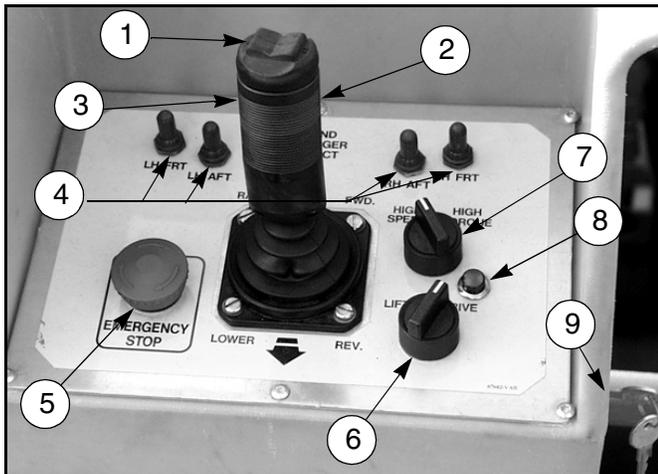
Figure 1: Chassis Controls

- |                            |  |
|----------------------------|--|
| 1. Emergency Stop          | 6. Choke Button (Dual Fuel) or Glow Plug Button (Diesel) |
| 2. Platform/Chassis Switch | 7. Throttle Button                                       |
| 3. Raise Button            | 8. Stop Button   |
| 4. Lower Button            | 9. Fuel Selector Switch (Dual Fuel only)                 |
| 5. Start Button            |  |

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. Turn controller key switch clockwise to **ON**. Turn fully clockwise to start engine, releasing the key once the engine starts.

**Note: If the engine is cold, on dual fuel models, hold the choke button in while starting the engine. On diesel models, depress the glow plug button and hold for 6 seconds to heat the glow plugs.**

3. Position drive/lift switch to **DRIVE** position.
4. With the speed range switch first in **HIGH TORQUE** and then in **HIGH SPEED** depress 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 the faster the machine will travel.
5. Push steering switch **RIGHT** then **LEFT** to check for steering control.



**Figure 2: Controller**

- |                           |                                       |
|---------------------------|---------------------------------------|
| 1. Steering Switch        | 6. Drive/Lift Switch                  |
| 2. Interlock Lever Switch | 7. Drive Speed/Torque Selector Switch |
| 3. Control Lever          | 8. Drive Enable Indicator             |
| 4. Outrigger Switches     | 9. Key Switch                         |
| 5. Emergency Stop Switch  |                                       |

6. Depress the Interlock switch on the control handle and position each Outrigger switch to the **EXTEND** position to deploy all four Outriggers. Check the Drive Enable indicator, it should be off.
7. Fully retract all Outriggers and check the Drive Enable indicator, it should be on.
8. Rehook controller on front guardrail.
9. Turn the platform/chassis switch to **CHASSIS**.
10. Push the throttle button in. Push chassis raise button to elevate platform while pushing the tilt sensor off of level. The platform should only partially elevate 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 it is repaired.
11. Release the tilt sensor and fully elevate platform.
12. Visually inspect the elevating assembly, lift cylinder, cables and hoses for damage or erratic operation. Check for missing or loose parts.
13. Lower the platform partially by pushing in on the chassis lower switch, and check operation of the audible lowering alarm.
14. Open the chassis emergency lowering valve (Figure 4) to check for proper operation by pulling and holding the knob out. Once the platform is fully lowered, close the valve by releasing the knob.
15. Turn the platform/chassis switch to **PLATFORM**.
16. Enter the platform making sure the gate is latched.
17. Position drive/lift switch to **LIFT**.
18. Depress the interlock lever and slowly push the control lever to **UP** to raise the platform, fully actuate the control lever to check proportional lift speed. Slowly pull control lever to **DOWN** position to lower platform. Check that lowering alarm sounds.
19. Depress the interlock lever switch on the control lever and position any Outrigger switch to the **EXTEND** position, Outriggers should be disabled. If an Outrigger extends during this test **STOP**. Lower the platform and remove the machine from service until it is repaired.
20. Turn controller key switch to **OFF**, push the emergency stop button and dismount the platform.
21. Close and secure module covers.

## OPERATION

**NOTE:** 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 (turn counterclockwise), the drive enable indicator is on, and that the platform/chassis switch is on **PLATFORM**.

**Note:** If the drive enable indicator is off, verify that the platform is fully lowered and (if so equipped) the outriggers are fully retracted.

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 engine, releasing the key once the engine starts.  
**Note:** If the engine is cold, on dual fuel models, depress and hold the choke button in while starting the engine. On diesel models, hold the glow plug button in for 6 seconds to heat 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.

## LEVELING THE PLATFORM (OUTRIGGER EQUIPPED MACHINES ONLY)

### ⚠ WARNING ⚠

*Never operate work platform with the parking brakes released. Serious injury or damage could result.*

1. Look around the machine, make sure that there is nothing obstructing the outriggers, and that the surface beneath them is suitable to support the weight of the machine.
2. Depress the interlock lever on the control handle and operate the outrigger switches to extend each outrigger until it is making firm contact with the ground.
3. While observing the bubble level on the front guardrail (Figure 3), extend the outrigger opposite the position of the bubble until the platform is level. For example: if the bubble is to the front and left in the orbit, extend the rear right outrigger. Continue to adjust until the bubble is centered in the small circle indicating that the platform is level.
4. Outriggers must be in firm contact with the supporting surface, observe each outrigger to verify.

### TO RETRACT THE OUTRIGGERS

1. Fully lower the platform.
2. Position each outrigger switch to **RETRACT**. Observe the outriggers to ensure that they are fully retracted. The drive enable indicator light will not come on until all four outriggers are fully retracted.

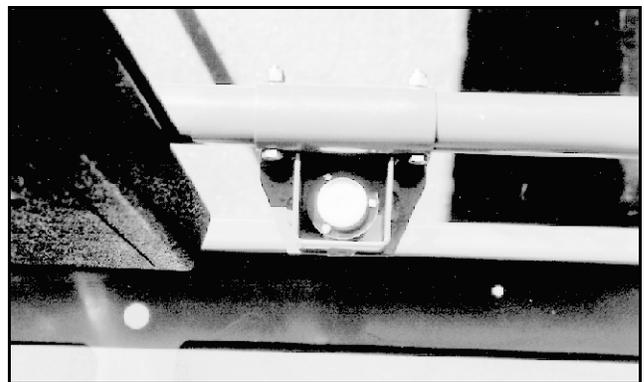


Figure 3: Platform Orbit Level

### 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, and only if the front axle is parallel with the rear axle.**

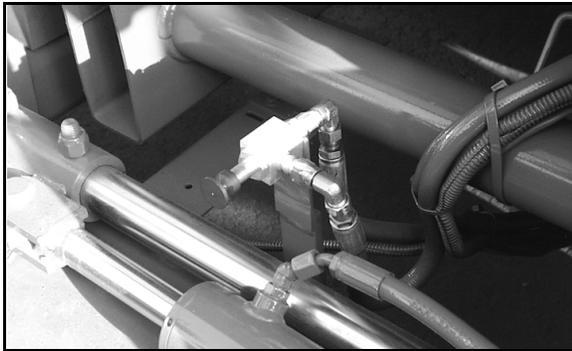
1. Check that the route is clear of persons, obstructions, holes and drop-offs, is level and capable of supporting the wheel loads.
2. Check clearances above, below and to the sides of platform.
3. Position the drive/lift switch to the **DRIVE** position.
4. Push the control lever to **FORWARD** or **REVERSE**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

**Note: 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 control is located at the rear of the machine at the base of the scissor assembly (Figure 4).**

1. Open the emergency lowering valve by pulling on the knob and holding it.
2. Once the platform is fully lowered, release the knob to close the valve.



**Figure 4: Emergency Lowering Valve**

### SWITCHING FUELS (DUAL FUEL ONLY)

1. With engine running turn the fuel selector switch (Figure 2) 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 5)

Perform the following only when the machine will not operate under its own power and it is necessary to move the machine or when 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 released. Serious injury or damage could result.*



**Figure 5: Parking Brake Release Pump**

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## FOLD DOWN GUARDRAILS (FIGURE 6)

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

### FOLD DOWN PROCEDURE

**Note:**When performing the following procedures retain all fasteners.

1. Place controller on platform
2. 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.
3. Close and latch the gate.
4. Remove nuts, bolts and washers from the top of the rear guardrail. Fold the rear guardrail down onto the platform being careful to keep latched at all times.
5. Remove nuts, bolts and washers from the top of the side guardrails. Lift up and fold one side guardrail in so it rests on the deck. Repeat with other side guardrails.

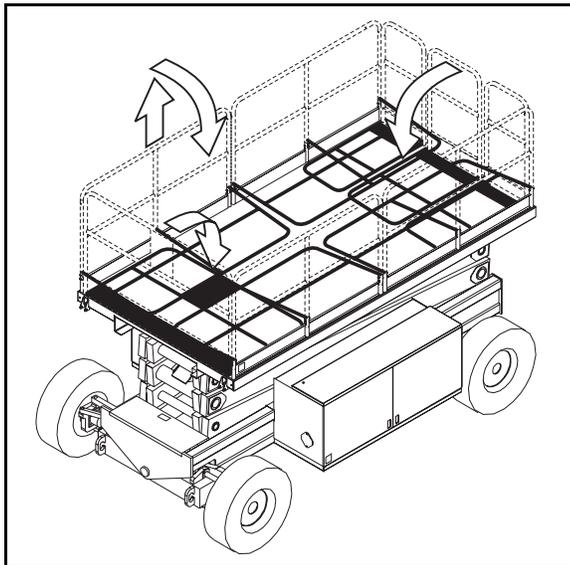


Figure 6: Fold Down Guardrails

### ERECTION PROCEDURE

1. Raise side guardrails making sure each is pushed down to secure the guardrail in the vertical position.
2. Install bolts, washers and nuts between the side guardrails, tighten securely.
3. Raise rear guardrail assembly, aligning holes and install bolts, washers and nuts. Tighten securely.
4. Raise front guardrail, aligning holes and install bolts, washer and nuts. Tighten securely.
5. Hang controller from front guardrail.

6. Before operating work platform, check that all fasteners are in place and properly torqued.



## WARNING



*Before operating machine, guardrails must be securely fastened in their proper position.*

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## TRANSPORTING WORK PLATFORM

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### BY CRANE

1. Secure straps to chassis tie down/lifting lugs only (Figure 7).

### BY TRUCK

1. Maneuver the work platform into transport position and chock wheels.
2. Secure the work platform to the transport vehicle with chains or straps of adequate load capacity attached to the chassis tie down/lifting lugs.



## CAUTION



*Overtightening of chains or straps through tie down lugs may result in damage to work platform.*

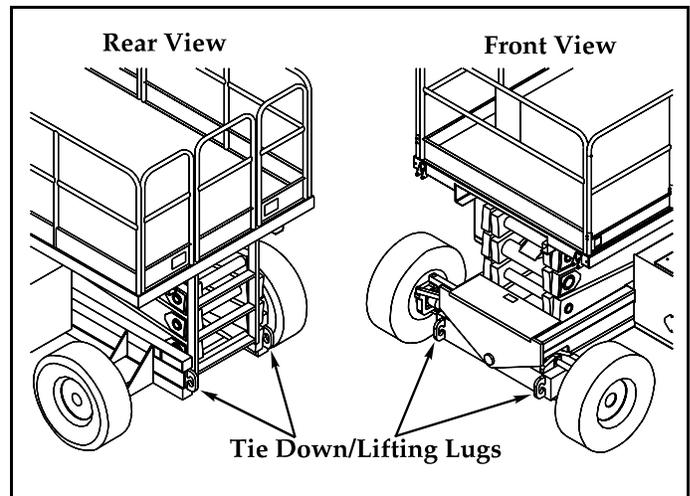


Figure 7: Transporting Work Platform

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## PREPARATION FOR SHIPMENT

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1. Grease all the grease fittings.
2. Fully lower the platform.
3. Disconnect the battery negative (-) lead from the battery terminal.
4. Band the controller to the front guardrail.
5. Band the elevating linkage to the frame.

## MAINTENANCE

### **⚠ WARNING ⚠**

*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 deploying or storing brace.*

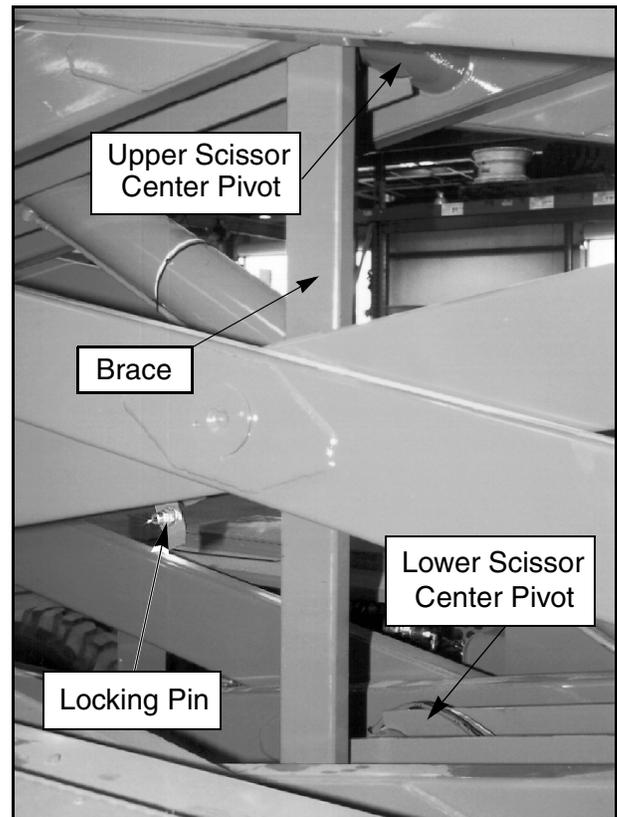
## **BLOCKING ELEVATING ASSEMBLY**

### **Brace Installation**

1. Park the work platform on firm level ground.
2. Verify Platform Emergency Stop Switch is **ON**.
3. Turn Chassis Key Switch to **CHASSIS**.
4. Start the engine using chassis controls.
5. Push the throttle button in, the button will stay in and the engine speed will increase. Using the raise button, elevate platform until the scissors brace can be rotated to the vertical position.
6. From the left side of the machine, disengage the locking pin securing the brace. Rotate the scissor brace counterclockwise until it is vertical and between the two scissor center pivots.
7. Push lower button and gradually lower platform until brace is supporting the platform.
8. Disengage throttle by pushing throttle button in again, the button will retract and the engine will come to idle speed.

### **Brace Removal**

1. Using chassis controls, gradually raise platform until the scissors brace clears the two scissor center pivots.
2. Rotate scissors brace clockwise until the locking pin engages.
3. Push lower button to completely lower platform.
4. Make sure the throttle button is disengaged and platform/chassis switch is on **PLATFORM**.



**Figure 8: Blocking Elevating Assembly**

## **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.*

*Always replace batteries with UpRight batteries or manufacturer approved replacements weighing 62 lbs. each.*

Check battery fluid level daily, especially if work platform is being used in a warm, dry climate.

If electrolyte level is lower than 3/8 in. (10 mm) above plates, add distilled water **ONLY**. Do not use of tap water with high mineral content, it will shorten battery life.

The battery and cables 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.

Refer to the Service Manual to extend battery life and for complete service instructions.



# Preventative Maintenance Table Key

## Interval

Daily=each shift or every day

50h/30d=every 50 hours or 30 days

250h/6m=every 250 hours or 6 months

1000h/2y=every 1000 hours or 2 years

Y=Yes/Acceptable

N=No/Not Acceptable

R=Repaired/Acceptable

**Table 1: Preventative Maintenance Checklist**

COMPONENT	INSPECTION OR SERVICES	INTERVAL	Y	N	R
Battery	Check electrolyte level	6m			
	Check specific gravity	6m			
	Clean exterior	6m			
	Check battery cable condition	Daily			
	Clean terminals	6m			
Engine Oil and Filter	Check level and condition	Daily			
	Check for leaks	Daily			
	Change oil filter	00h			
Engine Fuel System	Check fuel level	Daily			
	Check for leaks	Daily			
	Replace fuel filter	6m			
	Check air cleaner	Daily			
Engine Coolant	Check coolant level (with engine cold)	Daily			
	Replace coolant	3m			
Hydraulic Oil	Check oil level	Daily			
	Change filter	6m			
	Drain and replace oil	2y			
Hydraulic System	Check for leaks	Daily			
	Check hose connections	30d			
	Check hoses for exterior wear	30d			
Emergency Hydraulic System	Operate 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			
	Check condition of deck	Daily			
Tires	Check for damage	Daily			
	Check lug nuts (torque to 150 ft. lbs. [203 Nm])	30d			
Hydraulic Pump	Wipe clean	30d			
	Check for leaks at mating surfaces	30d			
	Check for hose fitting leaks	Daily			
	Check mounting bolts for proper torque	30d			

# Preventative Maintenance Report

Date: \_\_\_\_\_

Owner: \_\_\_\_\_

Model No: \_\_\_\_\_

Serial No: \_\_\_\_\_

Serviced By: \_\_\_\_\_

Service Interval: \_\_\_\_\_

**Table 1: Preventative Maintenance Checklist**

COMPONENT	INSPECTION OR SERVICES	INTERVAL	Y	N	R
Drive Motors	Check for operation and leaks	Daily			
Torque Hubs	Check for leaks	Daily			
	Check oil level	250h/6m			
	Change Oil after break-in	50h/30d			
	Change Oil	000h/2y			
	Check hardware & fittings for proper torque	6m			
Steering System	Grease pivot pins	30d			
	Oil king pins	30d			
	Check steering cylinder for leaks	30d			
Elevating Assembly	Inspect for structural cracks	Daily			
	Check pivot points for wear	30d			
	Check mounting pin pivot bolts for proper torque	30d			
	Check elevating arms for bending	6m			
Chassis	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 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			
	Check fittings for proper torque	30d			
Entire Unit	Check for and repair collision damage	Daily			
	Check fasteners for proper torque	3m			
	Check for corrosion-remove and repaint	6m			
	Lubricate	30d			
Labels	Check for peeling, missing, or unreadable labels & replace	Daily			

**NOTES:**

**NOTES:**

# \*SPECIFICATIONS

ITEM	LX31	LX41	LX50
<b>Platform Size (Inside toeboards)</b>			
Standard	143.38 in x 70 in. [3,64 m x 1,78 m]	143.38 in. x 70 in. [3,64 m x 1,78 m]	143.38 in. x 70 in. [3,64 m x 1,78 m]
Slide Out Deck Extended	179.38 in. x 68 in. [4,56 m x 1,73]	179.38 in. x 68 in. [4,56 in. x 1,73 m]	179.38 in. x 68 in. [4,56 m x 1,73 m]
<b>Max. Platform Capacity</b>			
Standard	2,000 lbs. [907 kg]	1,500 lbs. [680 kg]	1,000 lbs. [454 kg]
w/ Extension	2,000 lbs. [907 kg]	1,500 lbs. [680 kg]	1,000 lbs. [454 kg]
on Extension	500 lbs. [227 kg]	500 lbs. [227 kg]	500 lbs. [227 kg]
<b>Max. No. of occupants</b>			
Standard	8 people	6 people	4
on Extension	2 people	2 people	2
<b>Height</b>			
Working Height	37 ft. [11,4 m]	47 ft. [14,33 m]	56 ft. [17 m]
Max. Platform Height	31 ft. [9,45 m]	40 ft. 6 in. [12,34 m]	49 ft. 6 in. [15,09 m]
Min. Platform Height	56.25 in. [1,43 m]	65.25 in. [1,66 m]	76 in. [1,93]
Drivable Height	31 ft. (9,4 m)	40 ft. 6 in. (12,3 m)	49 ft. 6 in. [12,34]
<b>Dimensions</b>			
Weight, Standard	2WD: 9,400 lbs. [4,264 kg] 4WD: 9,630 lbs. [4,368 kg]	2WD: 10,560 lbs. [4,790 kg] 4WD: 10,920 lbs. [4,953 kg]	2WD: 12,120 lbs. [5,498 kg] 4WD: 12,480 lbs. [5,661 kg]
Weight, w/extension	2WD: 9,830 lbs. [4,459 kg] 4WD: 10,060 lbs. [4,563 kg]	2WD: 10,990 lbs. [4,985 kg] 4WD: 11,350 lbs. [5,148 kg]	2WD: 12,550 lbs. [5,693 kg] 4WD: 12,910 lbs. [5,856 kg]
Overall Width	90 in. [2,29 m]	90 in. [2,29 m]	90 in. [2,29 m]
Overall Height	99.75 in. [2,53 m]	108.75 in. [2,76 m]	108.75 in. [2,76 m]
Overall Length, Standard	160 in. [4,06 m]	160 in. [4,06 m]	160 in. [4,06 m]
<b>Surface Speed</b>			
Platform Lowered	0 to 3.1 mph [0 to 5,0 km/h]	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 0.3 mph [0 to 0,48 km/h]	0 to 0.3 mph [0 to 0,48 km/h]	0 to 0.3 mph [0 to 0,48 km/h]
<b>System Voltage</b>	12 Volt DC	12 Volt DC	12 Volt DC
<b>Hydraulic Tank Capacity</b>	28.3 US Gallons [107,13 l]	28.3 US Gallons [107,13 l]	28.3 US Gallons [107,13 l]
<b>Maximum Hydraulic System Pressure</b>	3000 psi [206,8 bar]	3000 psi [206,8 bar]	3000 psi [206,8 bar]
<b>Hydraulic Fluid</b>			
Normal use (>32° F [0° C])	ISO #46	ISO #46	ISO #46
Low Temp. Use (<32° F [0° C])	ISO #32	ISO #32	ISO #32
Extreme Temp. Use (<0° F [-17° C])	ISO #15	ISO #15	ISO #15
<b>Lift System</b>	One Single Stage Lift Cylinder	One Single Stage Lift Cylinder	Two Single Stage Lift Cylinders
<b>Lift Speed</b>	Raise: 40 sec. Lower: 60 sec.	Raise: 45 sec. Lower: 65 sec.	Raise: 45 sec. Lower: 65 sec.
<b>Platform Leveling</b>	8.5° (12 in. [.3m]) Side/Side, 6° (12 in. [.3m]) Fore/Aft	8.5° (12 in. [.3m]) Side/Side, 6° (12 in. [.3m]) Fore/Aft	8.5° (12 in. [.3m]) Side/Side, 6° (12 in. [.3m]) Fore/Aft
<b>Power Source</b>	Diesel or Gasoline 20 HP Kubota, 3 Cylinder, Water Cooled	Diesel or Gasoline 20 HP Kubota, 3 Cylinder, Water Cooled	Diesel or Gasoline 20 HP Kubota, 3 Cylinder, Water Cooled
<b>Drive Control</b>	Proportional	Proportional	Proportional
<b>Control System</b>	Smooth one-hand Joystick	Smooth one-hand Joystick	Smooth one-hand Joystick
<b>Horizontal Drive</b>	2WD: 2 Wheel, Hyd. Motors 4WD: 4 Wheel, Hyd. Motors	2WD: 2 Wheel, Hyd. Motors 4WD: 4 Wheel, Hyd. Motors	2WD: 2 Wheel, Hyd. Motors 4WD: 4 Wheel, Hyd. Motors
<b>Air Filled Tires</b>	10-16.5 NHS 8 Ply, 50psi. [3,4 bar]	10-16.5 NHS 8 Ply, 50psi. [3,4 bar]	10-16.5 NHS 8 Ply, Foam Filled
<b>Parking Brakes</b>	Two, Spring Applied, Hydraulic Release, Multiple Disc	Two, Spring Applied, Hydraulic Release, Multiple Disc	Two, Spring Applied, Hydraulic Release, Multiple Disc
<b>Turning Radius (inside)</b>	48 in. [1,22 m]	48 in. [1,22 m]	48 in. [1,22 m]
<b>Maximum Gradeability:</b>	2WD: 30% [16,7°] 4WD: 35% [19,2°]	2WD: 30% [16,7°] 4WD: 35% [19,2°]	2WD: 30% [16,7°] 4WD: 35% [19,2°]
<b>Wheel Base</b>	115.75 in. [2,94 m]	115.75 in. [2,94 m]	115.75 in. [2,94 m]
<b>Guardrails</b>	43.5 in. [1.1 m] high, Fold Down with gate.	43.5 in. [1.1 m] high, Fold Down with gate.	43.5 in. [1.1 m] high, Fold Down with gate.
<b>Toeboard</b>	6 in. [152 mm] High	6 in. [152 mm] High	6 in. [152 mm] High

\*Specifications subject to change without notice. Refer to the Service Manual for complete parts and service information. Hot weather or heavy use may reduce performance. Meets or exceeds all applicable requirements of OSHA and ANSI A92.6-1999

## FOR MORE INFORMATION

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