

Operator Manual

UL-20/26

SERIAL NUMBERS 8349 TO CURRENT

WARNING

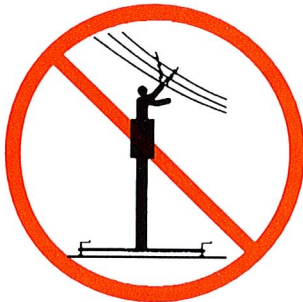
All personnel shall carefully read, understand and follow all safety rules and operating instructions before performing maintenance on or operating any UpRight work platform.

SAFETY RULES

NEVER elevate platform unless all four (4) outriggers have been properly positioned. All outrigger screwjack pads must be in solid contact with a firm surface before the platform is elevated.



NEVER attempt to move the UpRight Lift with people or materials on the platform or with the platform elevated.



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



NEVER sit, climb, or stand on the platform guardrails or midrail.



NEVER elevate platform without first leveling the base.

NEVER use ladders, planks or other devices to increase the height of the platform.

NEVER attach overhanging loads to the platform or increase the platform size.

NEVER elevate the platform if it contains more than one person or more than the rated load of 300 pounds.

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

NEVER change operating or safety systems.

CLOSE bar across opening after entering platform.

INSPECT the machine thoroughly for cracked welds, loose or missing hardware, hydraulic leaks, damaged control or power cables and loose wire connections.

NEVER use the UpRight Lift as a freight or personnel elevator.

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.

Outrigger Installation

1. Pull each front outrigger out until locking pin engages (Figure 1).
2. Rotate each rear outrigger towards rear of machine until it stops then push in on outrigger until locking pin engages (Figure 1). Pull on outrigger to verify that locking pin is engaged.
3. Level the base, centering the bubble in the orbit level on the base by adjusting the screwjacks at the end of each outrigger (Figure 2). **DO NOT** release the tension on an outrigger, by turning counterclockwise, to level base.
4. **All four (4) screwjack pads must be in solid contact with a firm surface before the platform is elevated.**

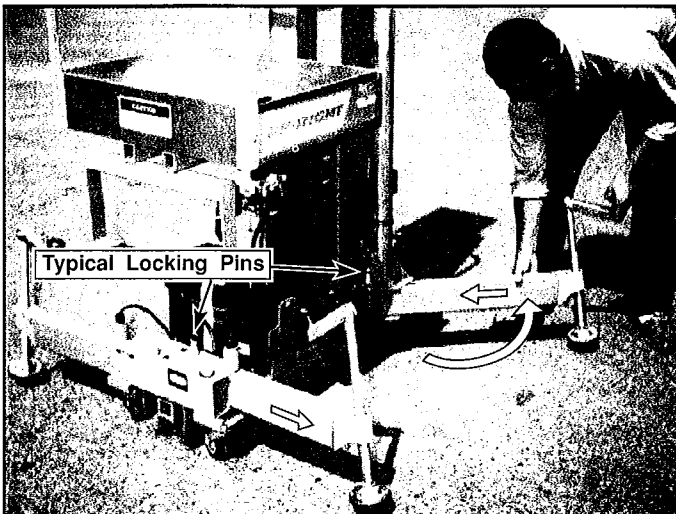


Figure 1: Positioning outriggers

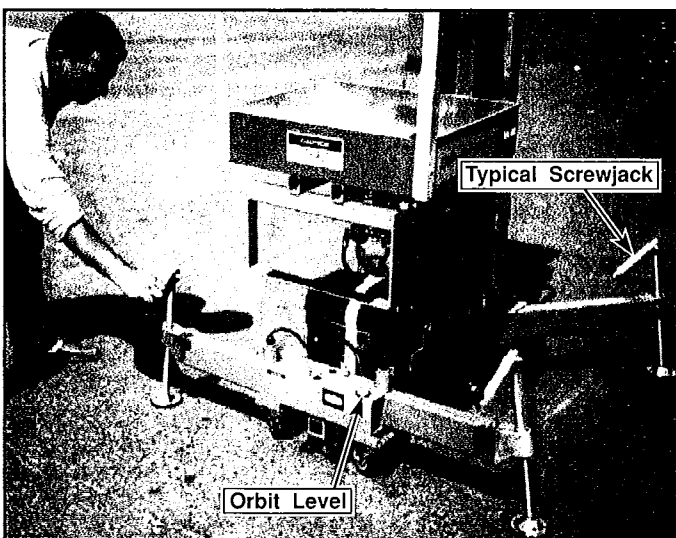


Figure 2: Leveling base

Operation

Before operating UpRight Lift ensure that pre-operation and safety inspection has been completed and any deficiencies have been corrected.

1. Read, fully understand and follow this Operator Manual.
2. Be sure the unit has been properly set up with all four (4) outriggers properly positioned and the base leveled.

NOTE: Platform will not elevate unless all four outriggers are properly positioned and screwjack pads are firmly in contact with floor.

3. Check for external damage to the mast.
4. Plug unit into the proper power source. (NOTE: Applies to A.C. units only.)
5. Turn ON Lower Emergency Stop Switch located on the left side of the mast (Figure 3). Open switch guard and push switch toward guard. In the event of an emergency, push the switch guard to stop the unit.
6. Mount the platform using the access ladder.
7. Close bar across entrance after mounting platform.
8. Check for overhead obstructions.
9. Turn ON Platform Emergency Stop Switch, located on the right side of the pinch shield (Figure 4). Open switch guard and push switch toward guard. In the event of an emergency, push the switch guard to stop the unit.

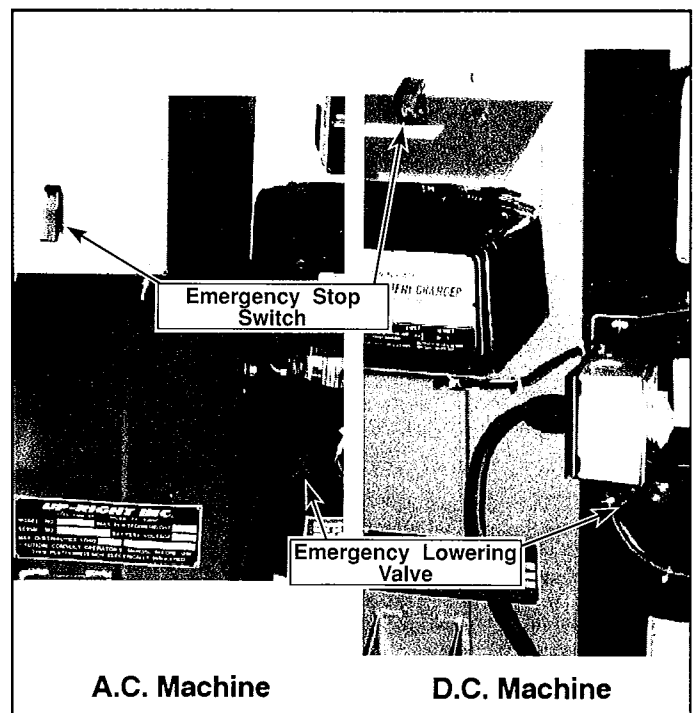


Figure 3: Base Controls

10. Turn **ON** Key Switch located on the right side of the pinch shield (Figure 4).
11. Push both the middle and top buttons on the Control Box (Figure 4) at the same time to elevate the platform. Release the buttons to stop.
12. Check that the area below the platform is clear before lowering the platform.
13. Push both the middle and bottom buttons at the same time to lower the platform. Release the buttons to stop.
14. After use, secure unit from unauthorized use by turning Key Switch **OFF** and removing key.

EMERGENCY LOWERING



WARNING



If the platform should fail to lower, **NEVER** climb down the mast.

Ask a person on the ground to open the Emergency Lowering Valve to lower the platform. This valve is located on the Power Unit on the left side of the mast (Figure 3).

1. Open the Emergency Lowering Valve by turning the knob counterclockwise.
2. To close turn the Emergency Lowering Valve clockwise.

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.

AFTER USE EACH DAY

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

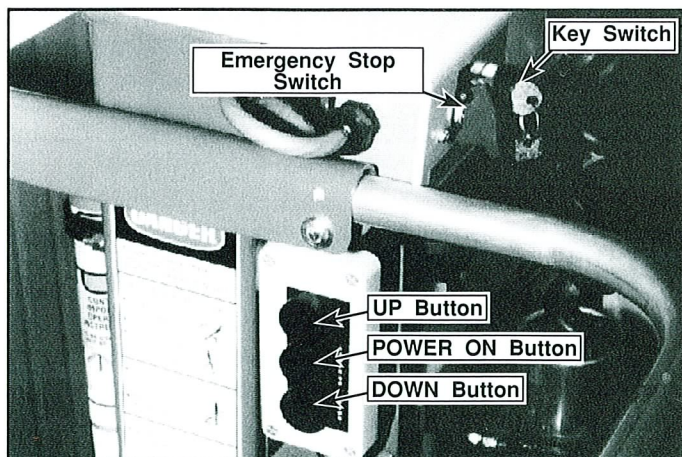


Figure 4: Platform Controls

Safety Interlock Test



DANGER



NEVER perform this test from the platform.

1. Properly position all four (4) outriggers and level base.
2. Release the tension on one (1) outrigger by turning the screwjack counterclockwise, until the screwjack pad is off the ground.
3. While standing on the ground activate the control panel to elevate the platform. Machine should not elevate.
4. Re-level the base with all four (4) outriggers then repeat step 2 with another outrigger.
5. Repeat steps 2 , 3 & 4 until all four (4) outriggers have been tested.

DO NOT use a machine that elevates when the tension has been released on an outrigger. **Machine must be repaired before using.**

Loader



WARNING



Ensure loader is in full contact with a clean level surface.

LOADING

1. Slide the loader, located on the back of the unit, up past the top set of holes and engage the loader pin through the top set of holes below the loader .
2. Back the unit up until the back of the unit comes in contact with the vehicle bed.
3. Remove the loader pin and slide the loader down until it comes into contact with the vehicle bed (Figure 5). Then replace the loader pin in the first available set of holes **above** the loader and secure with the hair pin retainer.

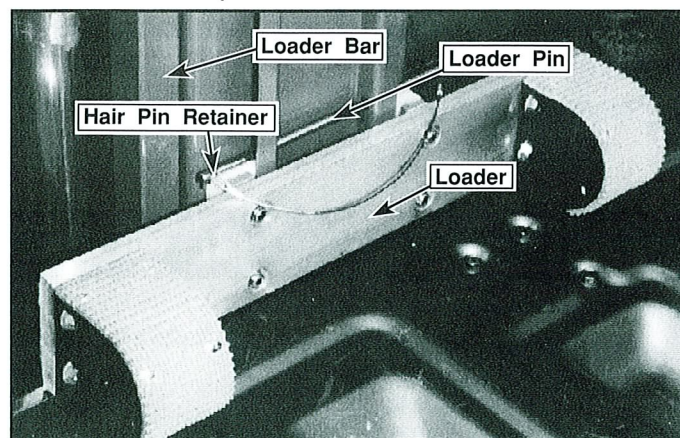


Figure 5: Loader in load position

4. Insert loader bar, located on the right side of the mast, into its proper location at the front of the machine. Secure with the pin attached by a cable to one of the locking pins.
5. Pull upward on the end of the loader bar using the loader as a pivot, until the unit rotates to a horizontal position in the vehicle bed (Figure 6).
6. Push the base of the unit towards the front of the vehicle bed (Figure 7). The machine will slide on the loader until the rear wheels contact the vehicle bed. The unit may then be rolled on the rear wheels and the casters located near the top of the unit.
7. Remove the loader bar from the front and put it in the storage location.
8. Secure the unit with suitable strength rope or tie straps.

⚠ CAUTION ⚠

To prevent serious damage to the mast assembly, do not place rope or tie downs across the mast assembly when securing the unit for transportation.

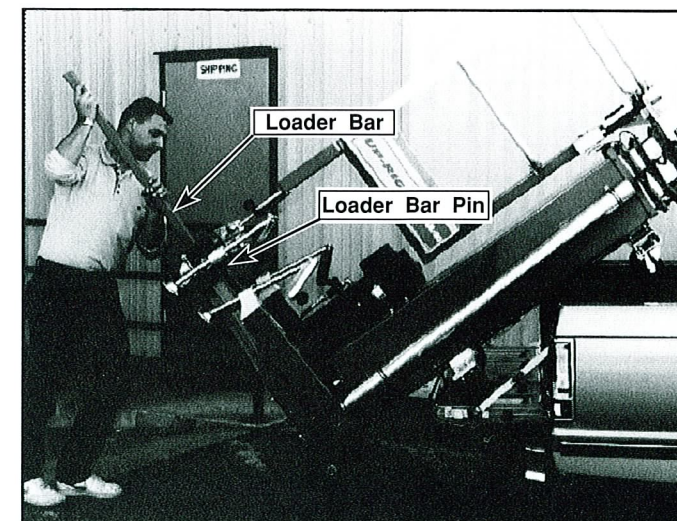


Figure 6: Tilting machine onto vehicle

UNLOADING

1. Unsecure the unit.
2. Insert loader bar, located on the right side of the mast, into its proper location at the front of the machine. Secure with the pin attached by a cable to one of the locking pins.
3. Roll the unit back until the rear wheels are off the edge of the tail gate or vehicle bed.
4. Pull downward on the loader bar, allowing the unit to slide on the loader. As the unit stops sliding on the loader it will then pivot on the loader to an upright position. Gradually counter-balance the unit's weight by applying an upward force on the loader bar. This allows the unit to settle gently on the wheels, avoiding undue impact loading on the unit.
5. Remove the loader bar and put it in the storage location.

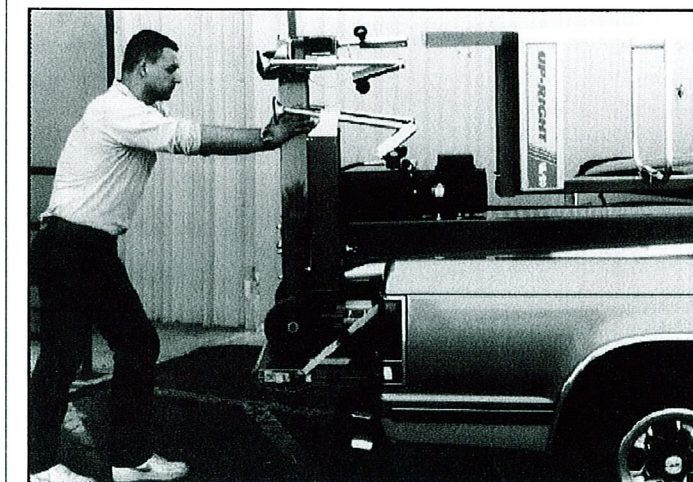
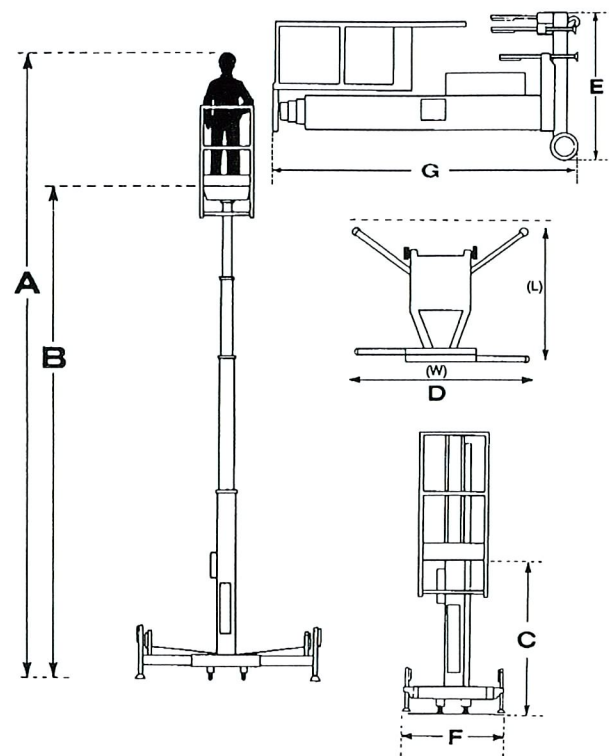


Figure 7: Pushing machine into transport position

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1-REQUIRED

Specifications*

ITEM	UL-20/26
Working Height (A)	26 ft.
Platform Height (B) (maximum)	19 ft. 6 in.
Platform Height (C) (lowered)	36 in.
Platform Capacity	300 lbs.
Platform Dimensions (L X W)	Narrow 22 in. X 21 in. Standard 22 in. X 26 in.
Outriggers Extended Dimensions (D) (L X W)	52 in. X 55 in.
Outriggers Stowed Dimensions (E) (F) (G) (L X W X H)	45 in. X 29 in. X 79 in.
Outriggers Removed Dimensions (L X W X H)	45 in. X 22 in. X 79 in.
Weight A.C. Model with Outriggers D.C. Model with Outriggers	633 lbs. 686 lbs.
Lift System/Max. System Voltage A.C. Electric Motor D.C. Electric Power Source	120 V.A.C. 60 Hz or 220 V.A.C. 50/60 Hz 1-12 Volt Battery, Grp. 27, 105 Amp/Hrs., Min. Wt. 52 lbs.
Battery Charger	Automatic, 120 V.A.C. 60 Hz or 220 V.A.C. 50 Hz Output: 10 Amps, 12 Volts D.C.
Maximum Hydraulic System Pressure	2000 PSI



* Specifications subject to change without notice.

Meets or exceeds all applicable requirements of OSHA and ANSI A92.3-1990

ROUTINE SERVICE

Use the following table as a guide for routine maintenance, refer to Service Manual for complete service instructions.

SERVICE OPERATION	INTERVAL			
	Daily	Monthly or 50 Hrs.	3 Months or 125 Hrs.	Yearly or 500 Hrs.
Check bubble level accuracy	X			
Check operation of outrigger interlocks	X			
Check battery fluid level and charge battery (D.C. models only)	X			
Check for peeling, faded or missing labels & replace	X			
Check condition of control cable	X			
Inspect mast assembly for bends, cracks or loose rivets	X			
Check chassis and platform emergency stop switch operation	X			
Check emergency lowering valve operation	X			
Check casters for damage	X			
Check hydraulic fluid level		X		
Check cage and cage support fasteners for proper torque		X		
Inspect and adjust sequence straps slack		X		
Lubricate lift chains and sheaves			X	
Change hydraulic fluid (ISO #46)				X

FOR MORE INFORMATION

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