

INSTRUCTION MANUAL

WARNING

IMPORTANT SAFETY RULES

Please! Carefully study these Safety Rules and Operating Instructions. Make sure all personnel read and understand them completely before using the Up-Right Lift.



UP-RIGHT LIFTS

SERIAL NUMBERS 4332 TO CURRENT

UL-24/30, UL-31/37 & UL-38/44

SAFETY RULES & OPERATING INSTRUCTIONS



SAFETY RULES

Before using the Up-Right Lift, thoroughly inspect it for damage such as cracked welds, loose rivets, hydraulic leaks, damaged control or power cables, and loose or missing fasteners. **NEVER** use damaged equipment.

- **NEVER** elevate platform unless all four (4) outriggers have been properly installed. All outrigger screwjack pads must be in contact with a firm surface before the platform is elevated.
- **NEVER** elevate the platform if it contains more than the rated load of 300 pounds or more than one person.
- **NEVER** attach overhanging loads to the platform or increase the platform size.
- **NEVER** use ladders, planks or other devices to increase the height of the platform.
- **NEVER** use the Up-Right Lift as a freight or personnel elevator.
- **NEVER** use the UL-24/30 outriggers with the UL-31/37 or UL-38/44 models.
- Check clearances above and below the platform.
- Latch rope across opening after entering platform.
- After use, secure the unit against unauthorized use by turning off the key switch and removing key.

SAFETY RULES AND OPERATING INSTRUCTIONS

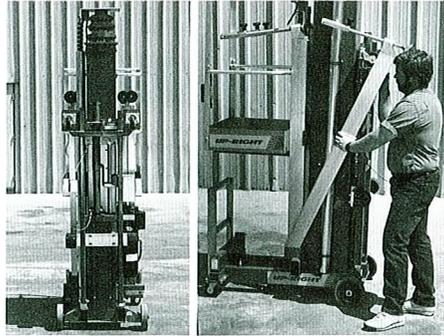
SAFETY RULES AND OPERATING INSTRUCTIONS

OPERATION

- Read and fully understand this operator's manual.
- Be sure the unit has been properly set up with all four (4) outriggers installed.
- Check for external damage to the mast.
- Plug unit into a 120 V.A.C. 60 Hz power source. (NOTE: Applies to A.C. unit only.)
- Mount the platform using the access ladder.
- Latch rope across entrance after mounting the platform.
- Check for overhead obstructions.
- Turn on the keyswitch located on the side of the pinch shield.
- Lift up on the toggle switch to elevate the platform. Release the toggle switch to stop. Push down on the toggle switch to lower the platform.
- Always check that the area below the platform is clear before lowering the platform.
- After use, secure unit against unauthorized use by turning off key switch and removing key.

SETTING UP THE UP-RIGHT LIFT

A. INSTALLING THE OUTRIGGERS



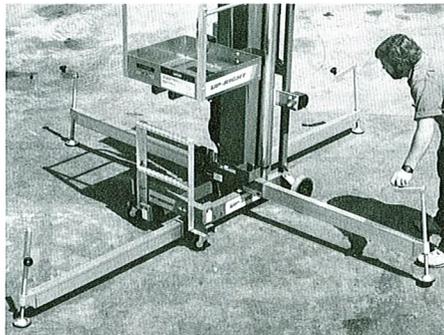
(1) Remove the outriggers from storage location. (Outrigger storage locations on either side of mast.)



(2) Insert into designated outrigger socket in base.

(3) Push in until locking pin engages hole in end of outrigger. Pull outward on outrigger to ensure engagement. See insert photo (2).

(4) Repeat the above steps for all other outriggers. Make sure all four (4) locking pins are engaged. (At this point the unit may be moved provided the outrigger screwjacks are fully retracted.)

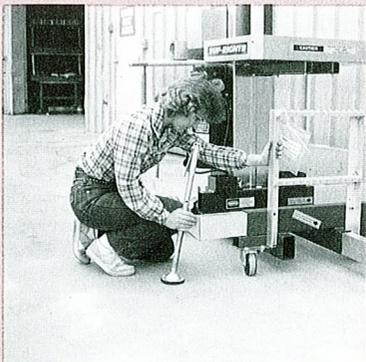


(5) Level the base, using the screwjacks at the end of each outrigger. All four (4) screwjack pads must be in contact with a firm surface before the platform is elevated. Center the bubble in the orbit level on the right side of the base by adjusting the screwjacks at the end of each outrigger.



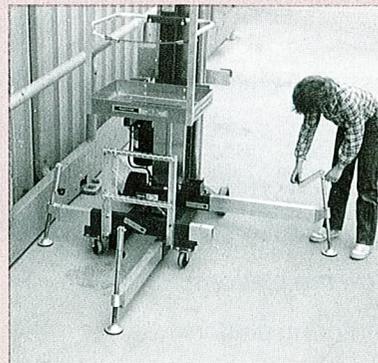
B. ALTERNATE CONFIGURATION SET UP

When it is necessary to operate the Up-Right Lift next to a wall, an alternate outrigger configuration may be used.



(1) Once all four (4) outriggers have been properly installed, slide the outrigger adjacent to the wall all the way into the socket by lifting the ring on the locking pin and pushing on the outrigger.

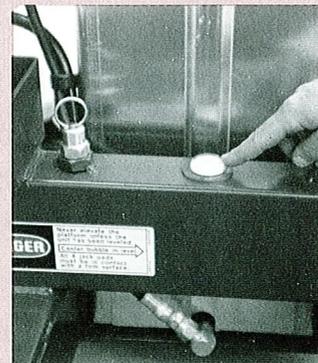
Note: When outrigger next to wall is a side outrigger, remove the outrigger and install on the same side, but in the front outrigger socket tube. Lift the tube cover and slide outrigger all the way into tube.



(2) Position the unit next to the wall and extend the outrigger adjacent to the wall as far as possible. Level the base, using the screwjacks at the end of each outrigger.

DANGER

This alternate configuration should be used only when it is necessary to operate the unit next to a wall and there is insufficient distance to the wall to allow full outrigger length. The platform must not be elevated higher than the wall. All four (4) outriggers must be installed.

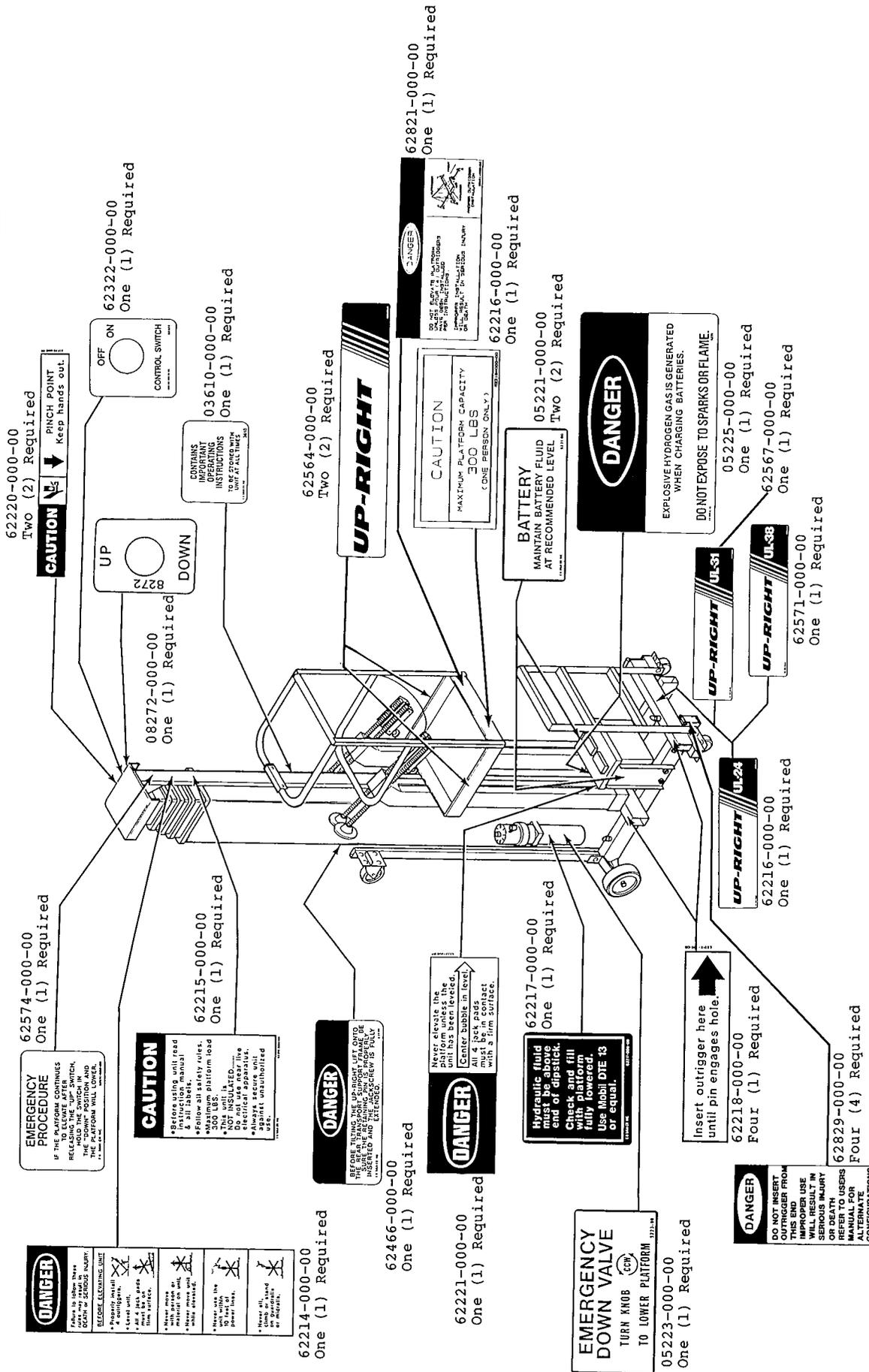


(3) Center the bubble in the orbit level on the right side of the base by adjusting screwjacks at end of each outrigger.



(4) All four (4) screwjack pads must be in contact with a firm surface before the platform is elevated.

DECAL INSTALLATION: READ AND UNDERSTAND These decals before operating Up-Right Lift

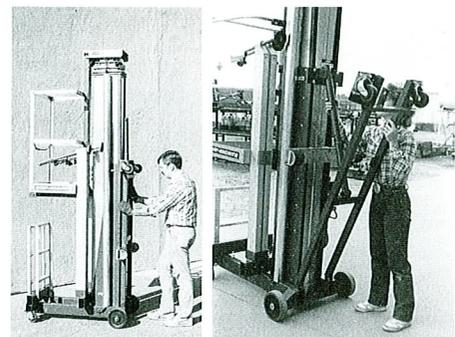


NOTE: Decals can be ordered by using part number located by each decal.

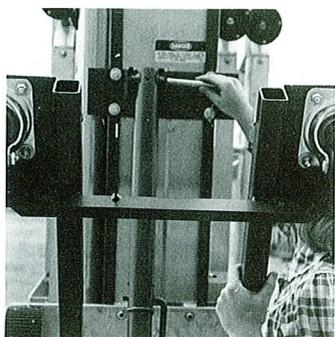
PASSAGE THROUGH A DOORWAY WITH THE UL-31/37 and UL-38/44

The UL-31/37 and UL-38/44 are equipped with a castered rear Tilt Back assembly. When the unit is tilted back onto this support frame, the overall height can be reduced to allow the unit to pass through a standard doorway.

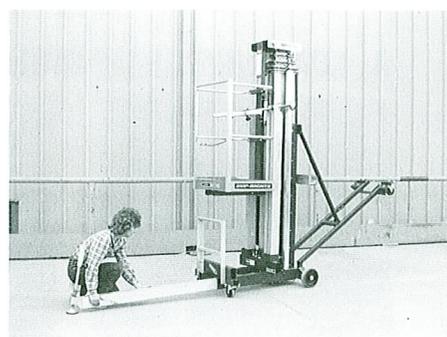
CAUTION
Before tilting the UpRight Lift onto the rear Tilt Back assembly be sure the retaining pin is properly inserted and the jack is fully extended.



(1) To use the Tilt Back assembly, remove the retaining pin and lower the castered rear Tilt Back assembly until the jack aligns with the upper mounting bracket pin hole.



(2) Attach the jack to the upper mounting bracket using the retaining pin. Be sure jack is fully extended by turning handle counterclockwise.



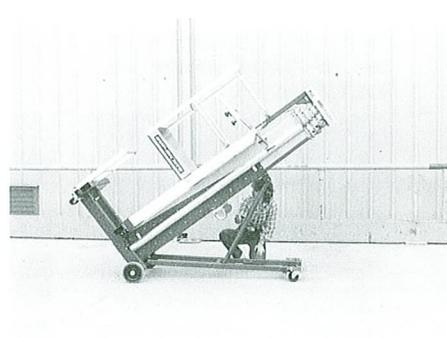
(3) Insert outrigger into front outrigger socket until locking pin engages hole in end of outrigger.



(4) Pull upward on end of outrigger until the unit comes to rest on the rear transport support frame.



(5) Remove outrigger and replace in proper storage position.



(6) Turn handle on jack counterclockwise to lower the unit until the overall height is reduced to the desired height.

(7) Turn the handle clockwise to lift the unit.

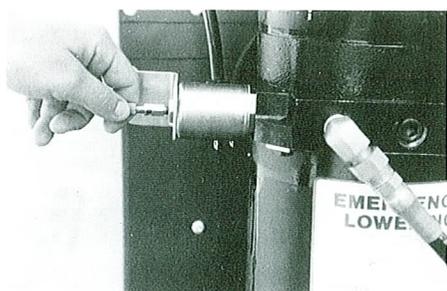
(8) To stand the unit upright, fully extend the jack. Insert outrigger into front outrigger socket and push downward on end of outrigger. As mast approaches vertical, counter-balance machine's weight by increasing the upward force on end of outrigger. This allows machine to settle gently on the front casters, avoiding undue impact on the machine.

EMERGENCY PLATFORM LOWERING

In the event of a power loss or electrical malfunction the platform may be manually lowered from the ground by means of a valve located on the power unit.



ON A.C. AND D.C. POWER UNITS: Turn valve counterclockwise to lower platform. After platform is lowered turn valve fully clockwise to close valve. Valve must be closed for normal operation.



SOME A.C. UNITS: Turn knob counterclockwise and then pull out to lower platform. To close valve, push knob in and then turn clockwise. Valve must be closed for normal operation.

SAFETY RULES AND OPERATING INSTRUCTIONS

UP-RIGHT LIFT LOADER

WARNING
Ensure Loader Bar is in full contact with a clean level surface.

A. LOADING THE UP-RIGHT LIFT INTO A VEHICLE USING THE LOADER.



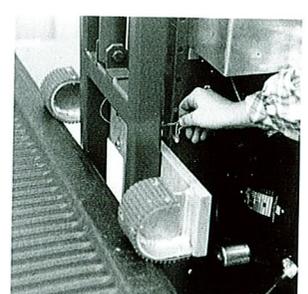
(1) Slide the loader bar, located on the back of the unit, up past the top set of holes and engage the loader pin through the top set of holes *below* the loader bar.



(2) Back the unit up to the vehicle bed until the back of the unit comes in contact with the vehicle bed.



(3) Remove the loader pin and slide the loader bar down until it comes into contact with the vehicle bed.



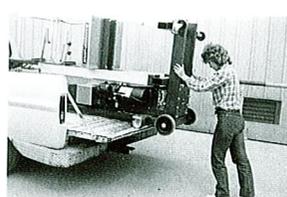
Then properly engage the loader pin (using the hair pin retainer) in the first available set of holes *above* the loader bar.



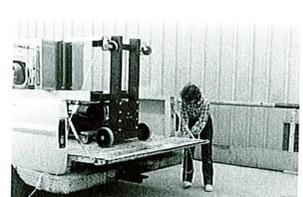
(4) Insert an outrigger into the front outrigger socket until the locking pin engages the hole in the end of the outrigger.



(5) Pull upward on the end of the outrigger using the loader bar as a fulcrum until the unit rotates to a horizontal position in the vehicle bed.



(6) Push the base of the unit towards the front of the vehicle bed. The loader bar will slide on the unit 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 outrigger in the front socket and put it in the outrigger storage location.

(8) Secure the unit with rope using the tie down holes located on the base of the unit and at the top of the cage support member.

WARNING
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.

B. UNLOADING THE UP-RIGHT LIFT FROM A VEHICLE USING THE LOADER.

(1) Unsecure the unit.

(2) Insert the outrigger into the front outrigger socket until the locking pin engages the hole in the front end of the outrigger.

(3) Roll the unit back until the rear wheels are off the edge of the vehicle bed.

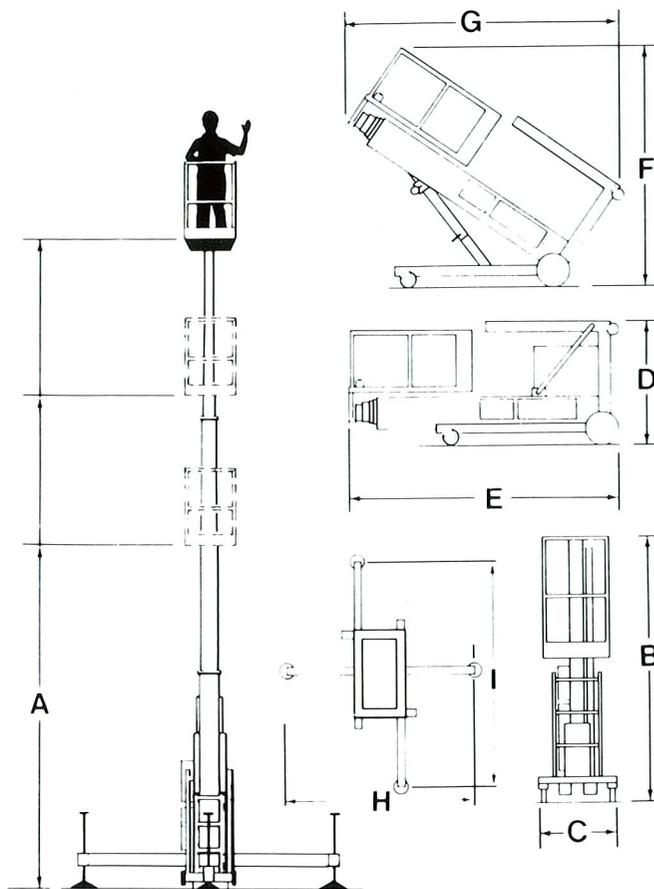
(4) Pull downward on the outrigger, allowing the unit to

slide on the loader bar. As the unit stops sliding on the loader bar the unit will rotate upright using the loader bar as a fulcrum. Gradually counterbalance the unit's weight by applying an upward force on the outrigger. This allows the unit to settle gently on the front casters, avoiding undue impact loading on the unit.

(5) Remove the front outrigger and put it in the outrigger storage location.

SPECIFICATIONS *			
	UL-24/30	UL-31/37	UL-38/44
Platform Height			
(A) Maximum	24 ft.	31 ft.	38 ft.
Platform Capacity	300 lbs.	300 lbs.	300 lbs.
Stored Dimensions			
(B) Vertical Height	79 1/2 in.	100 in.	116 in.
(C) Width	29 in.	29 in.	29 in.
Depth	45 in.	45 in.	45 in.
(D) Horizontal Height	45 in.	45 in.	45 in.
(E) Horizontal Length	79 in.	98 in.	114 in.
(F) Diagonal Storage Height	-	79 in.	79 in.
(G) Diagonal Storage Length	-	101 in.	116 in.
Base Dimension with Outriggers extended			
(H) Side to Side	110 in.	146 in.	146 in.
(I) Front to Back	92 in.	135 in.	135 in.
Weight			
Without Outriggers & Screwjacks	545 lbs.	692 lbs.	731 lbs.
Set of Outriggers & Screwjacks	51 lbs.	54 lbs.	54 lbs.
Additional Weight for D.C. Option	53 lbs.	53 lbs.	53 lbs.
Safety Railing Height	42 in.	42 in.	42 in.
Toe Board Height	4 in.	4 in.	4 in.
Lift System			
A.C. Electric Motor	120 Volts, 60 Hz		
D.C. Electric Power Source	1-12 Volt Battery, Grp. 27, 105 Amp./Hrs.		
Battery Charger	Automatic, 120 Volt A.C., 60 Hz. Output: 10 Amps, 12 Volts D.C.		

*All specifications subject to change without notice.



MAINTENANCE AND ROUTINE SERVICE			
Service Operation	Service Interval		
	1 Month	3 Month	1 Year
1. Check oil level	X		
2. Inspect and adjust sequence straps slack		X	
3. Check bubble level accuracy		X	
4. Lubricate lift chains, chain sheaves		X	
5. Change hydraulic oil (Mobile DTE-13)			X
6. Contactor malfunction check	X		
7. Battery fluid level	X		

For proper service procedures, see Up-Right Lift Service Manual, Part No. 62316-001-00.

FOR MORE INFORMATION

UpRight

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