

INSTRUCTION MANUAL

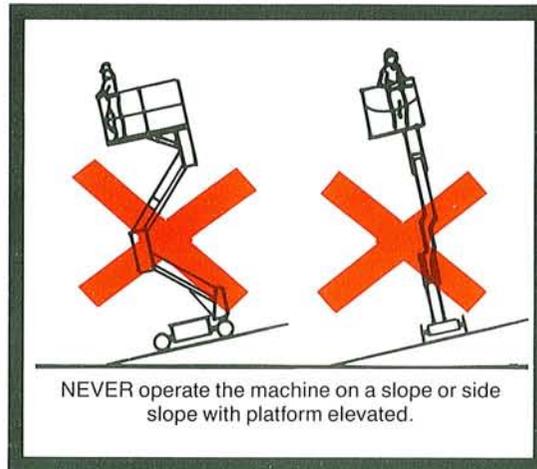
WARNING

IMPORTANT SAFETY RULES

Please study carefully these Safety Rules and Operating Instructions and make sure all personnel read and understand them completely before using the Up-Right SL-20.

UR UP-RIGHT SL-20

SAFETY RULES & OPERATING INSTRUCTIONS



SAFETY RULES

BEFORE USING THE Up-Right SL-20:

- Thoroughly **INSPECT** the work platform for cracked welds, loose hardware, hydraulic leaks, damaged control cable, loose wire connections and tire damage.
- **CHECK** that all guardrails are properly in place and secured with all fasteners in place.
- **DISTRIBUTE** all loads evenly on the platform. See back cover for maximum platform load.
- **SURVEY** the work area for surface hazards such as holes, drop-offs, bumps and debris before operating machine.
- **LOOK** up, down and around for overhead obstructions and electrical conductors.
- **HOOK** chains across entrance after mounting platform.
- **NEVER** use damaged equipment. (Contact UP-RIGHT for instructions. See toll free number on back cover.)
- **NEVER** change operating or safety systems.
- **NEVER** operate the work platform within ten feet of power lines. **THIS MACHINE IS NOT INSULATED.**
- **NEVER** elevate the platform or drive the work platform while elevated unless the work platform is on firm level surface.
- **NEVER** attach overhanging loads or increase platform size.
- **NEVER** use ladders or scaffolding on the platform.
- **NEVER** sit, stand or climb on guardrail or midrail.
- **NEVER** climb down elevating assembly with the platform elevated.
- **NEVER** recharge batteries near sparks or open flame; batteries that are being charged emit highly explosive hydrogen gas.
- **NEVER** perform service on work platform while platform is elevated without blocking the elevating assembly.
- **AFTER USE** secure the work platform against unauthorized use by turning key switch off and removing key from key switch.

PRE-OPERATIONAL & SAFETY INSPECTION INSTRUCTIONS

*Read and fully understand all safety rules
and then follow these steps each day before use.*

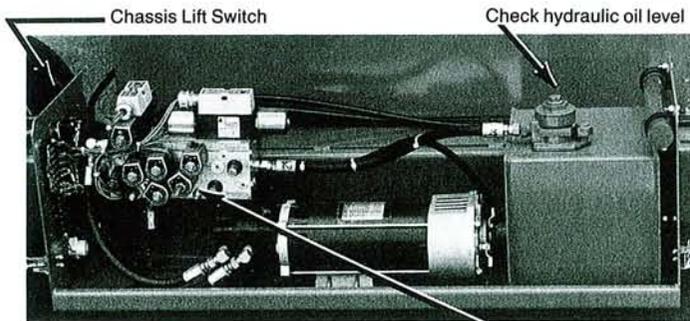


Figure 1. Power Module (See Emergency Lowering Instructions)

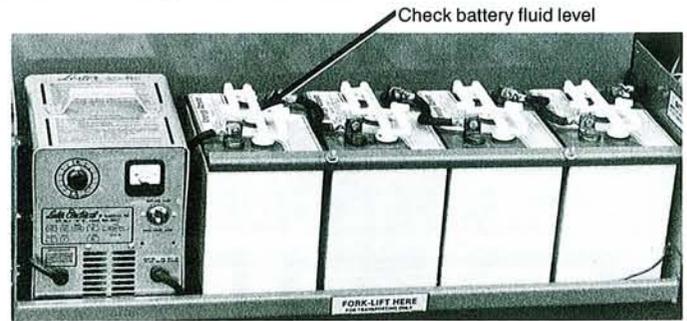


Figure 2. Energy Module

1. Visually inspect for any damage or missing parts.
2. Remove module covers.
3. Check hydraulic oil level with platform fully lowered. Unscrew LARGE hex portion of cap. Oil should be visible in filter (Figure 1). Use Mobile DTE 25 or equivalent.
4. Check battery fluid level (Figure 2).
5. Check state of battery charge (see Maintenance).
6. Check that AC extension cord has been disconnected from charger.

— WARNING —

PERFORM FOLLOWING CHECKS FROM THE GROUND

7. Unhook control console from front guardrail and hold it while performing these steps.
8. Check that emergency stop switch on control console is in "ON" position. When switch guard is closed, emergency stop switch will automatically go to "OFF" position.
9. **WARNING:** Stand clear of machine and protect control console cable from possible damage while performing these checks.
10. Turn key switch to "DRIVE" position.
11. Push drive switch to "FORWARD" position then "REVERSE" position to check for speed and directional control.
12. Move steering switch right and then left to check steering control.
13. Rehook control console to front guardrail.
14. Move machine, if necessary, to unobstructed area to allow for full elevation.
15. Turn key switch to "LIFT" position.
16. Push chassis lift switch to "UP" position and fully elevate platform (Figure 1).

NOTE: Step 11 should be done with drive range selector in "LOW" and "HIGH".

— WARNING —

DO NOT ENTER ELEVATING ASSEMBLY AREA WHILE ELEVATED

17. While platform is elevated, visually inspect from outside of elevating assembly area, gears, lift cylinder, cables and hoses for any damage or erratic operation.
18. Check for missing or loose parts and fasteners.
19. Lower platform part way by pushing chassis lift switch to "DOWN" (Figure 1).
20. Check for audible down alarm function while lowering.
21. Finish lowering platform by opening emergency lowering valve to check for proper valve operation (see "Emergency Lowering").
22. Close emergency lowering valve (Figure 1).
23. After all the preceding checks have been completed, replace module covers.

PREPARATION FOR USE

Ensure that pre-operation and safety inspection has been completed and any deficiencies have been corrected.



Figure 3.

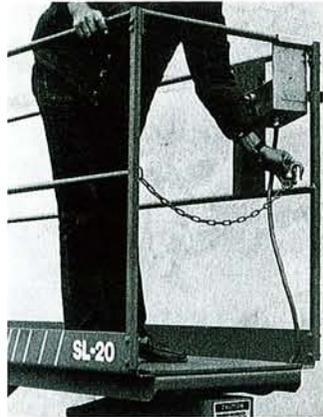


Figure 4.

1. Hang control console on guardrail (Figure 3).
2. After mounting platform, hook chain across entrance. Also, check that chain at middle rear guardrail is hooked into position (Figure 4).

OPERATING INSTRUCTIONS

Understand all functions of all controls before operating machine.

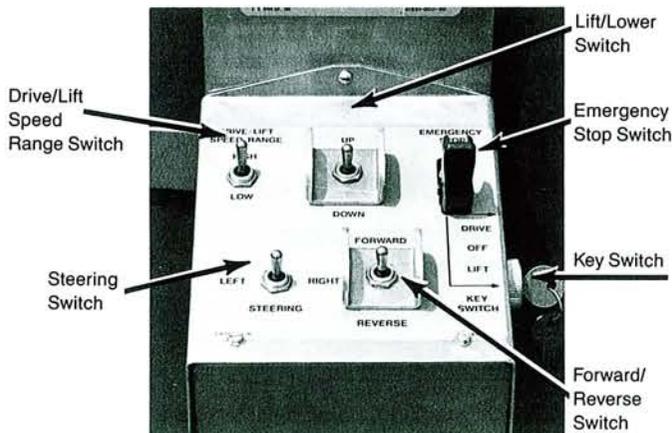


Figure 5. Control Console

— WARNING —

Before operating always check that route is clear of persons, obstructions, holes and dropoffs, above, below and to the sides of platform.

— WARNING —

Before traveling in reverse, double check that route is clear.

TRAVEL WITH PLATFORM LOWERED

NOTE: Always check that route is clear of obstructions, holes and drop-offs, and is capable of supporting the wheel loads.

1. Turn key switch to "DRIVE" position.
2. Set drive range selector to "HIGH" for travel on level surfaces, to "LOW" for climbing grades or traveling in confined areas.
3. Set the drive/lift speed range to "LOW".
4. Push drive switch "FORWARD" or "BACKWARD" to travel desired direction.
5. While moving, push drive/lift speed range switch to "HIGH" if faster speed is desired.

STEERING

1. Turn key switch to "DRIVE" position.
2. Push steering switch right or left to turn wheels.

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

ELEVATING PLATFORM

1. Turn key switch to "LIFT" position.
2. Set drive/lift speed range switch to "HIGH".
3. Push lift/lower switch to "UP" position to elevate platform.

NOTE: Setting drive/lift speed range switch to "LOW" will allow slow elevation speed.

TRAVEL WITH PLATFORM ELEVATED

NOTE: Machine will travel at a reduced speed when platform is elevated.

1. Travel with platform elevated only on a hard level surface.
2. Turn key switch to "DRIVE" position.
3. Push drive switch FORWARD or BACKWARD to change direction.

LOWERING PLATFORM

1. Turn key switch to "LIFT" position.
2. Push lift/lower switch to "DOWN".

EMERGENCY LOWERING

— WARNING —

If platform should fail to lower, never climb down elevating assembly. This could result in serious bodily injury.

1. Ask person on ground to open emergency lowering valve to lower platform. This valve is located on the left hand side of chassis through cut out in power module cover.
2. Open valve by turning knob counterclockwise (Figure 1) approximately 1/4 turn and pull out to disengage detent.
3. Once platform is fully lowered, be certain that emergency lowering valve is closed again. To close push knob in and turn approximately 1/4 turn clockwise until detent engages. The platform will not elevate if the emergency lowering valve has not been closed.

AFTER USE EACH DAY

1. Ensure that platform is fully lowered.
2. Park work platform on level ground, preferably under cover.

FORKLIFTING OF WORK PLATFORM

NOTE: Forklifting is for transporting only.

1. Forklift from side by lifting under modules (Figure 6).

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



Forklift from side

Figure 6. Forklifting

SECURING TO TRUCK FOR TRANSPORT

1. Always block under work platform to keep weight off front wheels while being transported.

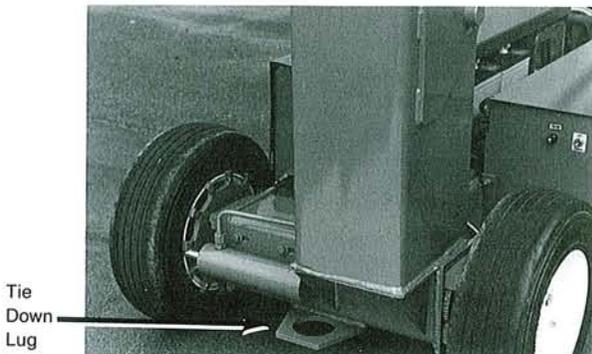


Figure 7. Tie Down Lugs

2. Use tie down lugs (located center front and center rear of chassis) to secure the work platform for transport (Figure 7).

— CAUTION —

Tie down lugs are not to be used for lifting work platform.

3. Use chains or straps of adequate load capacity.

— CAUTION —

Over-tightening may result in damage to work platform.

4. Always chock wheels on truck bed.

GUARDRAIL LOWERING INSTRUCTIONS

This procedure is solely for the purpose of passing through doorways. Guardrails must be returned to proper position before using the SL-20.

LOWERING THE GUARDRAILS: (Figure 8)

NOTE: When performing the following procedures retain all fasteners.

1. Start at front end of work platform.
2. Remove all four nuts (1) and two bottom bolts (2).
3. Remove all four nuts (3) and bolts (4) from center posts.
4. Remove all four nuts (5) from rear guardrail posts. Then remove the two bolts (6) from one side.

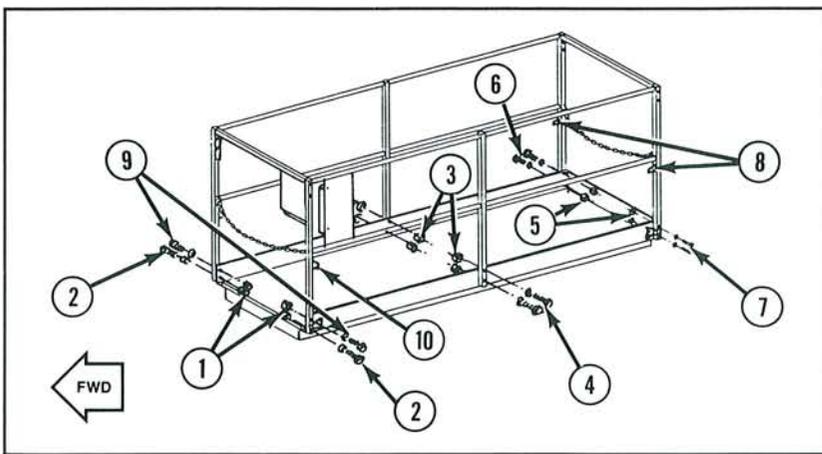


Figure 8. Lowering the Guardrails

5. While supporting the guardrail remove two remaining bolts (7) and lower end of guardrails onto stops (8).
6. Return to the front of the guardrails. While supporting the guardrail remove remaining two bolts (9) and lower the end of guardrails onto stops (10).

— DANGER —
 Before entering platform guardrails must be securely fastened in their proper position.

RAISING THE GUARDRAILS: (Figure 8)

1. Raise front end of guardrails, aligning holes and insert two top bolts (9) and nuts (1). Tighten securely.
2. Raise rear end of guardrails, aligning holes and insert bolts (7) of one side. Attach nuts (5) and tighten securely.
3. Install all remaining bolts (2,4,6). Ensure that all fasteners are tightened securely.
4. Before operating work platform check that all bolts are in place and all nuts are tightened securely.

MAINTENANCE AND ROUTINE SERVICE

— DANGER —
 Never perform service on work platform while platform is elevated without blocking elevating assembly (see Figure 9).

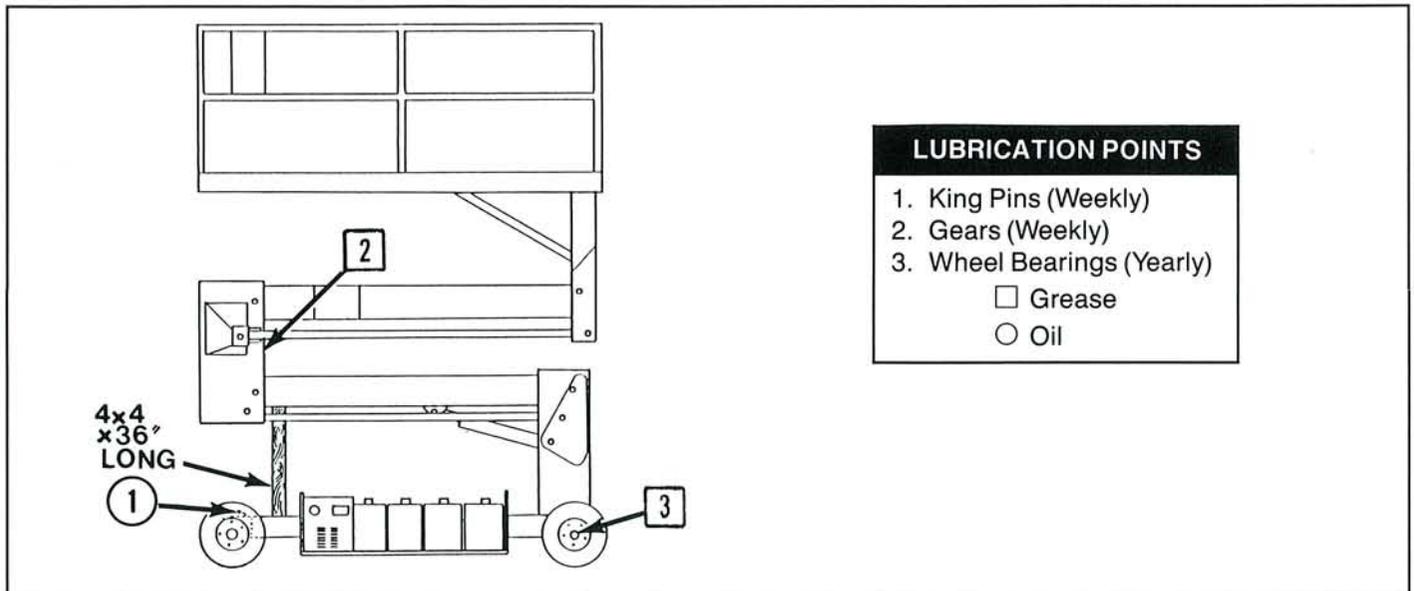
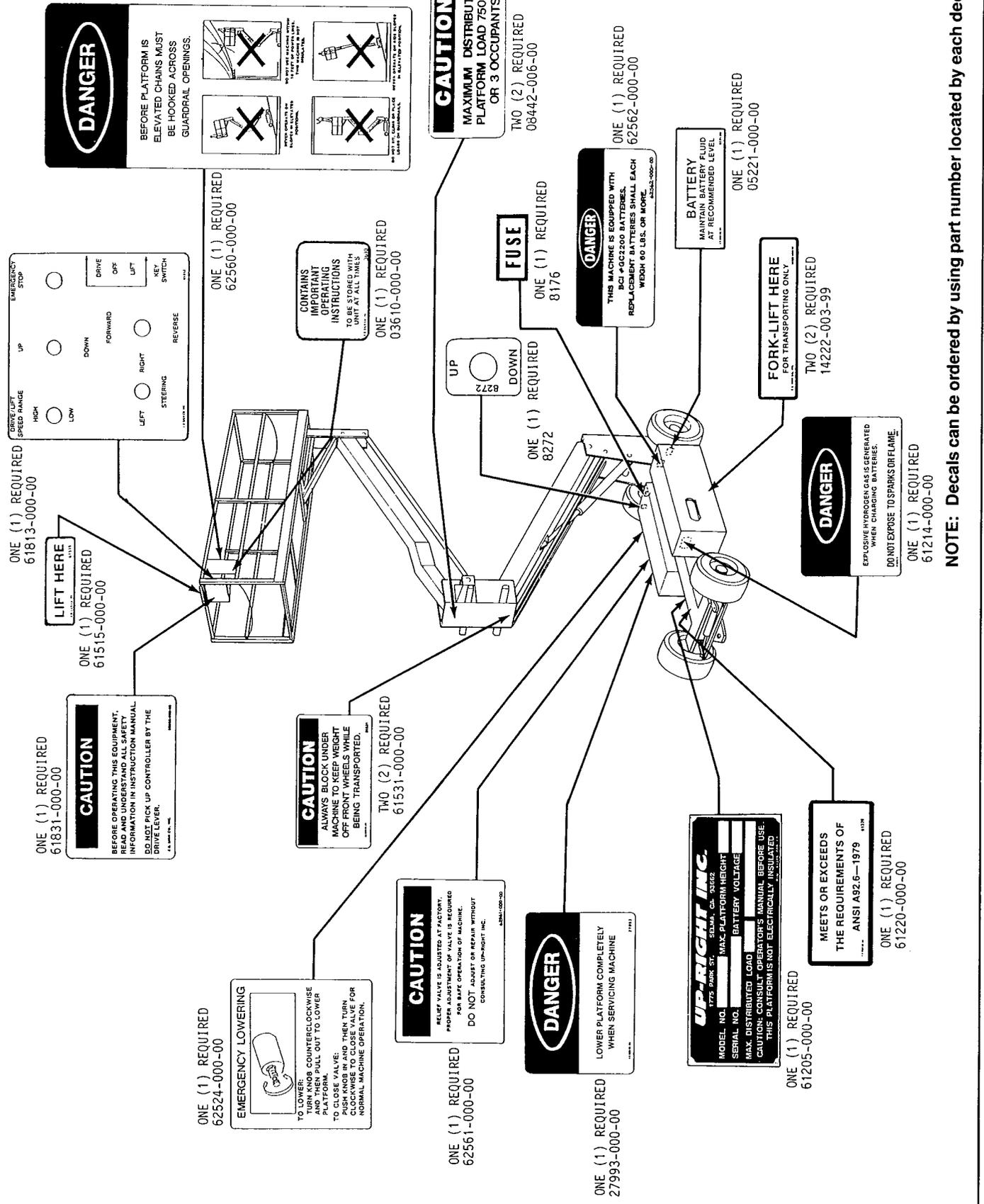


Figure 9. Blocking the Elevating Assembly and Lubrication Points

DECAL INSTALLATION: READ AND UNDERSTAND THESE DECALS BEFORE OPERATING UP-RIGHT LIFT



DANGER

BEFORE PLATFORM IS ELEVATED CHAINS MUST BE HOOKED ACROSS GUARDRAIL OPENINGS.

DO NOT USE PLATFORM FOR TRANSPORTING LOADS.

DO NOT USE PLATFORM FOR TRANSPORTING PERSONS.

DO NOT USE PLATFORM FOR TRANSPORTING FLAMMABLE OR EXPLOSIVE MATERIALS.

DO NOT USE PLATFORM FOR TRANSPORTING LOADS EXCEEDING THE MAXIMUM PLATFORM LOAD.

CAUTION

MAXIMUM DISTRIBUTED PLATFORM LOAD 750 LBS. OR 3 OCCUPANTS

TWO (2) REQUIRED
08442-005-00

DANGER

THIS MACHINE IS EQUIPPED WITH BCI #GC2200 BATTERIES. REPLACEMENT BATTERIES SHALL EACH WEIGH 60 LBS. OR MORE.

ONE (1) REQUIRED
62562-000-00

BATTERY

MAINTAIN BATTERY FLUID AT RECOMMENDED LEVEL.

ONE (1) REQUIRED
05221-000-00

FORK-LIFT HERE

FOR TRANSPORTING ONLY.

TWO (2) REQUIRED
14222-003-99

DANGER

EXPLOSIVE HYDROGEN GAS IS GENERATED WHEN CHARGING BATTERIES. DO NOT EXPOSE TO SPARKS OR FLAME.

ONE (1) REQUIRED
61214-000-00

EMERGENCY STOP

DRIVE

UP

DOWN

FORWARD

REVERSE

KEY SWITCH

LEFT

RIGHT

STEERING

HIGH

LOW

ONE (1) REQUIRED
61813-000-00

LIFT HERE

ONE (1) REQUIRED
61515-000-00

CAUTION

BEFORE OPERATING THIS EQUIPMENT, READ AND UNDERSTAND ALL SAFETY INFORMATION IN INSTRUCTION MANUAL. DO NOT PICK UP CONTROLLER BY THE DRIVE LEVER.

ONE (1) REQUIRED
61831-000-00

CONTAINS IMPORTANT OPERATING INSTRUCTIONS TO BE STORED WITH THIS UNIT AT ALL TIMES.

ONE (1) REQUIRED
03610-000-00

FUSE

ONE (1) REQUIRED
8176

UP

DOWN

ONE (1) REQUIRED
8272

CAUTION

ALWAYS BLOCK UNDER MACHINE TO KEEP WEIGHT OFF FRONT WHEELS WHILE BEING TRANSPORTED.

TWO (2) REQUIRED
61531-000-00

CAUTION

RELIEF VALVE IS ADJUSTED AT FACTORY. PROPER ADJUSTMENT OF VALVE IS REQUIRED FOR SAFE OPERATION OF MACHINE. DO NOT ADJUST OR REPAIR WITHOUT CONSULTING UP-RIGHT, INC.

ONE (1) REQUIRED
62561-000-00

EMERGENCY LOWERING

TO LOWER: TURN KNOB COUNTERCLOCKWISE AND THEN PULL OUT TO LOWER PLATFORM. TO CLOSE VALVE: DO THEN TURN CLOCKWISE TO CLOSE VALVE FOR NORMAL MACHINE OPERATION.

ONE (1) REQUIRED
62524-000-00

DANGER

LOWER PLATFORM COMPLETELY WHEN SERVICING MACHINE

ONE (1) REQUIRED
27993-000-00

UP-RIGHT, INC.

1775 PARK ST. SELMA, CA 95602

MODEL NO. _____ MAX. PLATFORM HEIGHT _____

SERIAL NO. _____ BATTERY VOLTAGE _____

MAX. DISTRIBUTED LOAD _____

CAUTION: CONSULT OPERATOR'S MANUAL BEFORE USE. THIS PLATFORM IS NOT ELECTRICALLY INSULATED.

ONE (1) REQUIRED
61205-000-00

MEETS OR EXCEEDS THE REQUIREMENTS OF ANSI A92.6-1979

ONE (1) REQUIRED
61220-000-00

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

