

**WARNING
ELECTRIC PLATFORM LIFT**

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

Due to job site or employer rules. Each occupants of the platform may be required to wear personal fall protection equipment. (A Safety Harnesses with Lanyard attached to the Lanyard Anchorage)

WARNING!! This lift is for use on level asphalt or concrete slabs only!

CHECK BATTERY WATER DAILY BEFORE CHARGING

\$70.00 PER HOUR TO REMOVE PAINT, PLASTER, ETC.

IMPORTANT SAFETY RULES TO FOLLOW

1. This machine is **not** electrically insulated and **will not** provide protection from contact with electrical current. Maintain a safe distance from any power lines.
2. Never raise the platform or drive the machine while elevated unless it is on firm level surface.
3. Never sit, stand or climb on the guardrail or midrail.
4. Never operate the lift without first surveying the work area for surface hazards such as holes, drop offs, bumps, and debris.
5. Never operate the lift if all guardrails are not properly in place and secured with all fasteners properly torqued.
6. Secure chain across entrance after mounting platform. If equipped with a door make sure it is securely latched.
7. Never use ladders or scaffolding on the platform.
8. Never attach overhanging loads or increase platform size.
9. Maximum evenly distributed platform capacity is listed in the operator's manual and on the decals at the lift. Maximum occupancy is 2 persons.
10. Never climb down elevating assembly with the platform elevated.
11. Never leave the lift unattended with the key in it.
12. Do not allow children to play on or around lift.
13. Be sure to turn key off before charging the batteries.
14. **BATTERIES NEED TO BE CHARGED DAILY.**
15. Look up, down and around for overhead obstructions and electrical conductors.

OPERATING INSTRUCTIONS

The *Operator's Manual* is located in the black plastic box in the front of the operator's platform.

Before you operate this lift, read, understand and obey all the safety rules and operating instructions in the Operator's Manual

Always perform a pre-operation inspection and function test prior to use for every shift.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. If there is any doubt as to the operation or safety of the equipment,

DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!!
FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH

Warning metal conducts electricity. Do Not use this Lift where it may come into contact with power lines or other electric circuits. Failure to comply to this warning will result in serious personal injury or death. For appropriate distances from High Voltage lines see chart below.

Maintain safe distances away from electrical power lines and apparatus in accordance with applicable governmental regulations and the following chart

Voltage	Minimum Safe Approachable Distance	
	Feet	Meters
Phase to Phase		
0 to 300V	Avoid Contact	
300V to 50KV	10	3.1
50KV to 200KV	15	4.6
200KV to 350KV	20	6.1
350KV to 500KV	25	7.6
500KV to 750KV	35	10.7
750KV to 1000KV	45	13.7

Allow for mast movement and electrical line sway or sag, and be aware of strong or gusty winds. Do not use the machine as a ground for welding.

PRE OPERATION & FUNCTION TEST INSTRUCTIONS

1. Select a test area that is firm, level and free of obstruction.
2. Be sure the battery pack is connected.

At the Ground Controls

3. Pull out the platform and ground red Emergency Stop buttons to the on position.
4. Turn the key switch to ground control.
5. Observe the diagnostic LED readout. **Result:** LED should read 23 or --.

Test Emergency Stop

6. Push in the ground red Emergency Stop button to the off position.
- Result:** No functions should operate.
7. Pull out the red Emergency Stop button to the on position.

Test the Up/Down Functions

The audible warnings on this machine and the standard horn all come from the same central alarm. The horn is a constant tone. The descent alarm sounds at 60 beeps per minute. The alarm that goes off when the pothole guards have not deployed sounds at 300 beeps per minute. The alarm that goes off when the machine is not level sounds at 600 beeps per minute.

8. Activate the up function. **Result:** The platform should raise.
9. Activate the down function. **Result:** The platform should lower. The descent alarm should sound while the platform is lowering.

Test Auxiliary Lowering

10. Activate the up function and raise the platform approximately 2 feet.
11. Pull the auxiliary lowering knob. **Result:** The platform should lower. The descent alarm will not sound.
12. Turn the key switch to platform control.

At the Platform Controls

Test Emergency Stop

13. Push in the platform red Emergency Stop button to the off position. **Result:** No functions should operate.

Test the Horn

14. Pull the red Emergency Stop button out to the on position.
15. Push the horn button. **Result:** The horn should sound.

Test the Function Enable Switch

16. Do not hold the function enable switch on the control handle.
17. Slowly move the control handle in the direction indicated by the blue arrow, then in the direction indicated by the yellow arrow. **Result:** No functions should operate.

Test the Up/Down Functions

18. Press the lift function select button.
19. Press and hold the function enable switch on the control handle.
20. Slowly move the control handle in the direction indicated by the blue arrow. **Result:** The platform should raise. The pothole guards should deploy.
21. Release the control handle. **Result:** The platform should stop raising.
22. Press and hold the function enable switch. Slowly move the control handle in the direction indicated by the yellow arrow. **Result:** The platform should lower. The descent alarm should sound while the platform is lowering. When lowering the platform, the platform should stop when it is 7 feet from the ground. Be sure the area below the platform is clear of personnel and obstructions before continuing. To continue lowering, release the control handle, wait 5 seconds, then move the control handle again.

Test the Steering *Note: When performing the steer and drive function tests, stand in the platform facing the steer end of the machine.*

23. Press the drive function select switch.

24. Press and hold the function enable switch on the control handle.

25. Depress the thumb rocker switch on top of the control handle in the direction identified by the blue triangle on the control panel. **Result:** The steer wheels should turn in the direction that the blue triangle points on the control panel.

26. Depress the thumb rocker switch in the direction identified by the yellow triangle on the control panel.

Result: The steer wheels should turn in the direction that the yellow triangle points on the control panel.

Test Drive and Braking

27. Press and hold the function enable switch on the control handle.

28. Slowly move the control handle in the direction indicated by the blue arrow on the control panel until the machine begins to move, and then return the handle to the center position. **Result:** The machine should move in the direction that the blue arrow points on the control panel, then come to an abrupt stop.

29. Slowly move the control handle in the direction indicated by the yellow arrow on the control panel until the machine begins to move, and then return the handle to the center position. **Result:** The machine should move in the direction that the yellow arrow points on the control panel, then come to an abrupt stop. Note: The brakes must be able to hold the machine on any slope it is able to climb.

Test Limited Drive Speed

30. Press the lift function select button.

31. Press and hold the function enable switch on the control handle. Raise the platform approximately 4 feet from the ground. **Result:** The pothole guards should deploy.

32. Press the drive function select switch.

33. Press and hold the function enable switch on the control handle. Slowly move the control handle to the full drive position. **Result:** The maximum achievable drive speed with the platform raised should not exceed 9 inches per second. (10 feet in fourteen seconds)

If the drive speed with the platform raised exceeds 9 inches per second, (10 feet in fourteen seconds) immediately tag and remove the machine from service.

Test the Tilt Sensor Operation

Note: Perform this test from the ground with the platform controller. Do not stand in the platform.

34. Fully lower the platform.

35. Place a 2x4 or similar piece of wood under both wheels on one side and drive the machine up onto them or drive the steering wheels up the trailer ramp.

36. Raise the platform approximately 7 feet from the ground **Result:** The platform should stop and the tilt alarm will sound at 600 beeps per minute.

37. Move the drive control handle in the direction indicated by the blue arrow, then move the drive control handle in the direction indicated by the yellow arrow. **Result:** The drive function should not work in either direction.

38. Lower the platform and remove both pieces of wood

Test the Pothole Guards

Note: The pothole guards should automatically deploy when the platform is raised. The pothole guards activate two limit switches, which control the machine drive speed. If the pothole guards do not deploy and the platform is raised above 6 feet, an alarm sounds and the machine will not drive.

39. Raise the platform. **Result:** When the platform is raised 4 feet from the ground, the pothole guards should deploy.

40. Press on the pothole guards on one side, and then the other. **Result:** The pothole guards should not move.

41. Lower the platform. **Result:** The pothole guards should return to the stowed position.

42. Place a 2x4* or similar piece of wood under a pothole guard. Raise the platform. **Result:** Before the platform is raised 7 feet from the ground, an alarm should sound and the drive function should not work.

43. Lower the platform and remove the 2x4*.

* a chain binder will also work

To be filled out by the Yard Person doing the customer hook up or Delivery Driver delivering the lift. Upon completion attach to the original contract. Check mark the boxes after inspections are satisfactory completed.

ATS # _____ DATE _____ CONTRACT# _____

PRE-OPERATION INSPECTION

- Be sure that the operator's, safety and responsibilities manuals are complete, legible and in the storage container located on the platform.
- Be sure that all decals are legible and in place. See Decals section in operators manual.
- Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- Check for battery fluid leaks and proper fluid level. Add distilled water if needed. See Maintenance section.

Check the following components or areas for damage, improperly installed or missing parts and unauthorized modifications:

- Electrical components, wiring and electrical cables
- Hydraulic power unit, tank, hoses, fittings, cylinders and manifolds
- Battery pack and connections
- Drive motors
- Wear pads
- Tires and wheels
- Ground strap
- Limit switches, alarms and horn
- Nuts, bolts and other fasteners
- Platform entry chain or Platform entry gate
- Brake release components
- Platform overload components
- Safety arm
- Pothole guards
- Platform extension
- Scissor pins and retaining fasteners
- Platform control joystick

Check entire machine for:

- Cracks in welds or structural components
- Dents or damage to machine
- Be sure that all structural and other critical components are present and all associated fasteners and pins are in place and properly tightened.
- Side rails are installed and bolts are fastened
- Be sure that the chassis trays are in place

FUNCTION TESTS: FROM THE GROUND *(note: numbers correspond to function test instructions)*

- The ground controls function properly (3 4 5)**
- Test emergency stop (6 7)**
- Test the Up/Down functions (8 9)**
- Test the auxiliary lowering (10 11 12)**
- Test the tilt sensor operation (34 35 36 37 38)**
- Test the pothole guards (39 40 41 42 43)**

FUNCTION TESTS: FROM THE PLATFORM

- Test the emergency stop (13)**
- Test the horn (14 15)**
- Test the function enable switch (16 17)**
- Test the Up/Down functions (18 19 20 21 22)**
- Test the steering (23 24 25 26)**
- Test drive and braking (27 28 29)**
- Test limited drive speed (30 31 32 33)**
- Test tilt sensor operation (34 35 36 37 38)**

INSPECTED BY (signature) _____

EMPLOYEE # _____

If any of the above items does not pass inspection, do not rent this unit.

To be filled out by the Yard Person doing the customer hook up or Delivery Driver delivering the lift. Upon completion attach it to the original contract.

CONTRACT # _____ **EMPLOYEE NAME** _____
EMPLOYEE # _____

OPERATOR TRAINING

Steps necessary to train equipment operators:

1. Familiarize operator with the location of the Operator's Manual, and all safety placards, decals, and warnings.

TRAINERS INITIALS _____ OPERATORS INITIALS _____

2. Show operator "Pre Operation Inspection and Function Test" procedure in the Operator's Manual. Report any problems or malfunctions, before operating, to your supervisor,

TRAINERS INITIALS _____ OPERATORS INITIALS _____

3. Operator must be aware of jobsite hazards, including but not limited to: operation surface irregularities, drop offs, holes, debris, obstructions (floor or overhead), high voltage conductors, wind, or adverse weather. To raise platform on slope or work area near a hole or drop off may result in serious personal injury or death.

TRAINERS INITIALS _____ OPERATORS INITIALS _____

4. Familiarize operator with controls (ground and platform) and demonstrate their functions.

TRAINERS INITIALS _____ OPERATORS INITIALS _____

5. Only authorized persons shall operate the equipment, and shall do so in accordance with the full provisions outlined in the operator's manual provided. Only lessee's trained operators are authorized to operate the equipment. Do not lend, or sub-lease this equipment. Addition training is available on request.

TRAINERS INITIALS _____ OPERATORS INITIALS _____

Customer Acknowledges the Paint on this Lift is:

EXCELLENT _____ **GOOD** _____ **FAIR** _____ **POOR** _____

COMMENTS _____

OPERATORS SIGNATURE _____

PRINTED NAME _____