

WARNING 40' GENIE S40 PERSONNEL BOOM 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!!!**

REQUIRES GASOLINE OR PROPANE ONLY

Warning 4x4 / 4-Wheel Drive Aerial Lifts

Please be aware this 4-Wheel Drive lift will only provide 1-wheel per axle drive over certain driving conditions. Under more severe conditions this could cause the lift to spin one opposing tire per axle. Caution should be used when driving over unimproved surfaces, gravel roads, rough terrain, or soft and muddy conditions. Customers are responsible for tow and recovery services should the lift become stuck. A Tool Shed does not provide any tow or recovery services.

OSHA LAW REQUIRES A FULL BODY HARNESS WITH LANYARD ATTACHED TO THE LANYARD ANCHORAGE BE WORN AT ALL TIMES BY EVERY PERSON IN THE PLATFORM!

This lift will not operate with the generator engaged.

IMPORTANT SAFETY RULES TO FOLLOW

1. Maximum platform capacity is 500 pounds. **Maximum occupants is 2 persons.**
2. Do not raise or extend the boom unless the machine is on a firm level surface.
3. This machine is **not** electrically insulated and **will not** provide protection from contact with electrical current.
4. **Maintain a safe distance from any power lines!**
5. Do not use the machine as a ground for welding.
6. Do not raise the boom in strong or gusty winds.
7. Do not drive the machine on or near uneven terrain, unstable surfaces or other hazardous conditions with the boom raised or extended.
8. Do not push off or pull toward any object outside the platform.
9. Maximum allowable side force is 150 lbs.
10. Do not place or attach overhanging loads to any part of this machine.
11. Do not place ladders or scaffolds in platform or against any part of this machine.
12. Do not use machine on a moving or mobile surface or vehicle.

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.

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.

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**

To be filled out by the 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 in the platform.
- Be sure that all decals are legible and in place. See Decals section.
- Check for engine oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- Check for hydraulic oil leaks and proper oil level. Add oil if needed. See Maintenance section.
- Check for engine coolant leaks and proper level of coolant. Add coolant 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 hoses, fittings, cylinders and manifolds
- Fuel and hydraulic tanks
- Drive and turntable motors and drive hubs
- Boom wear pads
- Tires and wheels
- Engine and related components
- Limit switches and horn
- Alarms and beacons (if equipped)
- Nuts, bolts and other fasteners
- Platform entry mid-rail or gate

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.
- After you complete your inspection, be sure that all compartment covers are in place and latched.

Function Tests At the Ground Controls *(note: numbers correspond to function test instructions)*

- The ground controls function properly (2 3 4)
- Test Emergency Stop (5 6)
- Test the Machine Functions (7 8)
- Test the Tilt Sensor (9 10 11)

Function Tests At the Platform Controls

- Test Emergency Stop (15 16 17)
- Test the Horn (18)
- Test the Foot Switch (19 20 21 22 23)
- Test Machine Functions (24 25)
- Test the Steering (26 27 28)
- Test Drive and Braking (29 30 31)
- Test the Drive Enable System (32 33 34 35)
- Test Limited Drive Speed (36 37 38 39 40 41 42)

INSPECTED BY (signature) _____

EMPLOYEE # _____

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

Function Tests Instructions

1. Select a test area that is firm, level and free of obstruction.

At the Ground Controls

2. Turn the key switch to ground control.

3. Pull out the red Emergency Stop button to the on position. ⊕ **Result:** The beacon (if equipped) should flash.

4. Start the engine. See Operating Instruction section.

Test Emergency Stop

5. Push in the red Emergency Stop button to the off position. ⊕ **Result:** The engine should turn off and all functions should not operate.

6. Pull out the red Emergency Stop button to the on position and restart the engine.

Test the Machine Functions

7. Do not hold the function enable switch to either side. Attempt to activate each boom and platform function toggle switch. ⊕ **Result:** All boom and platform functions should not operate.

8. Hold the function enable switch to either side and activate each boom and platform function toggle switch.

⊕ **Result:** All boom and platform functions should operate through a full cycle. The descent alarm (if equipped) should sound while the boom is lowering.

Test the Tilt Sensor

9. Turn the key switch to platform control. Pull out the platform red Emergency Stop button to the on position.

10. Open the tank side turntable cover and locate the tilt sensor next to the control box.

11. Press down one side of the tilt sensor. ⊕ **Result:** The alarm, located in the platform, should sound.

At the Platform Controls

Test Emergency Stop

15. Turn the key switch to platform control and restart the engine.

16. Push in the platform red Emergency Stop button to the off position. ⊕ **Result:** The engine should turn off and all functions should not operate.

17. Pull out the red Emergency Stop button and restart the engine.

Test the Horn

18 Push the horn button. ⊕ **Result:** The horn should sound.

Test the Foot Switch

19. Push in the platform red Emergency Stop button to the off position.

20. Pull out the red Emergency Stop button to the on position but do not start the engine.

21. Press down the foot switch and attempt to start the engine by moving the start toggle switch to either side.

⊕ **Result:** The engine should not start.

22. Do not press down the foot switch and restart the engine. ⊕ **Result:** The engine should start.

23. Do not press down the foot switch and test each machine function. ⊕ **Result:** The machine functions should not operate.

Test Machine Functions

24. Press down the foot switch.

25. Activate each machine function control handle or toggle switch. ⊕ **Result:** All boom/platform functions should operate through a full cycle.

Test the Steering

26. Press down the foot switch.

27. Press the thumb rocker switch on top of the drive control handle in the direction indicated by the blue triangle on the control panel OR slowly move the control handle in the direction indicated by the blue triangle. ⊕ **Result:** The steer wheels should turn in the direction that the blue triangles point on the drive chassis.

28. Press the thumb rocker switch on top of the drive control handle in the direction indicated by the yellow triangle on the control panel OR slowly move the control handle in the direction indicated by the yellow triangle. ⊕ **Result:** The steer wheels should turn in the direction that the yellow triangles point on the drive chassis.

Test Drive and Braking

29. Press down the foot switch.

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

31. Slowly move the drive control handle in the direction indicated by the yellow arrow on the control panel until the machine begins to move, then return the handle to the center position. ⊕ **Result:** The machine should move in the direction that the yellow arrow points on the drive chassis, 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 the Drive Enable System

32. Press down the foot switch and lower the boom to the stowed position.

33. Rotate the turntable until the primary boom moves past one of the non-steer wheels. ⊕ **Result:** The drive enable indicator light should come on and remain on while the boom is anywhere in the range shown.

34. Move the drive control handle off center. ⊕ **Result:** The drive function should not operate.

35. Move and hold the drive enable toggle switch to either side and slowly move the drive control handle off center.

⊕ **Result:** The drive function should operate. Note: When the drive enable system is in use, the machine may drive in the opposite direction that the drive and steer control handle is moved. Use the color-coded direction arrows on the platform controls and the drive chassis to identify the direction of travel.

Test Limited Drive Speed - Standard Base Models

36. Press down the foot switch.

37. Raise the boom to just above horizontal.

38. Slowly move the drive control handle to the full drive position. ⊕ **Result:** The maximum achievable drive speed with the primary boom raised should not exceed 1 foot per second.

39. Lower the boom to the stowed position.

40. Extend the primary boom approximately 1 foot.

41. Slowly move the drive control handle to the full drive position. ⊕ **Result:** The maximum achievable drive speed with the primary boom extended should not exceed 1 foot per second.

42. Retract the boom to the stowed position. If the drive speed with boom raised or extended exceeds 1 foot per second, immediately tag and remove the machine from service.

Test Auxiliary Controls Ground

Turn the key switch to ground control and shut the engine off.

Pull out the red Emergency Stop button to the on position.

Simultaneously hold the auxiliary power switch on and activate each boom function toggle switch.

Note: To conserve battery power, test each function through a partial cycle.

⊕ **Result:** All boom functions should operate.

Test Auxiliary Controls Platform

Shut the engine off.

Pull out the red Emergency Stop button to the on position.

Press down the foot switch.

Simultaneously hold the auxiliary power switch on and activate each function control handle or toggle switch.

Note: To conserve battery power, test each function through a partial cycle.

⊕ **Result:** All boom and steer functions should operate. Drive functions should not operate with auxiliary power.

To be filled out by the 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 _____