



Operator's Manual

S-100

S-105

S-120

S-125

CE

with
Maintenance
Information

Original Instructions
Fifth Edition
Second Printing
Part No. T113597

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Work Area Safety

The weight of options and accessories, such as pipe cradles, panel cradles, and welders, will reduce the rated platform capacity and must be factored into the total platform load. See the decals with the options and accessories.



If using accessories, read, understand and obey the decals and instructions with the accessory.

Do not raise or extend the boom unless the machine is on a firm, level surface.



Do not depend on the tilt alarm as a level indicator. The tilt alarm sounds in the platform only when the machine is on a severe slope.

If the tilt alarm sounds while the boom is lowered: Do not extend, rotate or raise the boom above horizontal. Move the machine to a firm, level surface before raising the platform.

If the tilt alarm sounds while the boom is raised: Use extreme caution. Identify the condition of the boom on the slope as shown below. Follow the steps to lower the boom before moving to a firm, level surface. Do not rotate the boom while lowering.



If the tilt alarm sounds with the platform uphill: First lower the boom, then retract the boom.



If the tilt alarm sounds with the platform downhill: First retract the boom, then lower the boom.

Do not raise the boom when wind speeds may exceed 12.5 m/s. If wind speeds exceed 12.5 m/s when the boom is raised, lower the boom and do not continue to operate the machine.

Controls

1 Boom down button

Push the boom down button and the boom will lower.



2 Boom extend/retract buttons

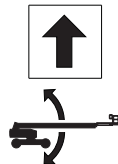
Push the boom extend button and the boom will extend.

Push the boom retract button and the boom will retract.



3 Boom up button

Push the boom up button and the boom will raise.



4 Engine speed select button

Push the engine speed select button to select the engine speed. When the arrow above the rabbit is lit, the engine is in high idle speed. When the arrow above the turtle is lit, the engine is in low idle speed.

5 LCD screen control buttons

6 Gasoline/LPG select button

Push the fuel select button to select the engine fuel source. When the arrow above the LPG tank is lit, the engine will run on LPG. When the arrow above the gas tank is lit, the engine will run on gasoline.

7 LCD readout screen



a low fuel indicator

b engine oil pressure indicator

c water temperature indicator

d emergency power indicator

e high engine rpm indicator

f hour meter

8 Diesel models: Glow plug button

Gasoline/LPG models: Choke button

Push the glow plug button and hold for 3 to 5 seconds.

9 Red Emergency Stop button

Push in red Emergency Stop button to the off position to stop all functions and turn the engine off. Pull out the red Emergency Stop button to the on position to operate the machine.

10 Key switch for off/ground/platform selection

Turn the key switch to the off position and the machine will be off. Turn the key switch to the ground position and the ground controls will operate. Turn the key switch to the platform position and the platform controls will operate.

Inspections

15 Return to the ground controls. Turn the key switch to ground control. Push and hold a function enable/speed select button and push the boom up button and then the boom down button.

- ⦿ Result: The boom should raise and lower normally.

16 At the ground controls, push and hold a function enable/speed select button and push the boom extend button and the boom retract button.

- ⦿ Result: The boom should extend and retract normally.

Test the Machine Functions

17 Do not press and hold a function enable/speed select button. Attempt to activate each boom and platform function button.

- ⦿ Result: No boom and platform functions should operate.

18 Press and hold a function enable/speed select button and activate each boom and platform function button.

- ⦿ 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 Emergency Controls

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

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

21 Simultaneously push and hold the emergency power button and push each boom function button or 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 the Tilt Sensor

22 Push one of the LCD screen buttons until TURNTABLE LEVEL SENSOR X-DIRECTION appears.



- ⦿ Result: The LCD screen should display the angle in degrees.

23 Push one of the LCD screen buttons until TURNTABLE LEVEL SENSOR Y-DIRECTION appears.

- ⦿ Result: The LCD screen should display the angle in degrees.

24 Push one of the LCD screen buttons until PLATFORM LEVEL SENSOR DEGREES appears.

- ⦿ Result: The LCD screen should display the angle in degrees.

Operating Instructions

Starting the Engine

- 1 At the ground controls, turn the key switch to the desired position.
- 2 Be sure both ground and platform control red Emergency Stop buttons are pulled out to the on position.

Diesel models

- 3 Press the engine start button.

Note: In cold conditions, 10°C and below, push and hold the glow plug button for 10 to 20 seconds before starting the engine.



Gasoline/LPG models

- 3 Choose fuel by pressing the fuel select button.
- 4 Push the engine start button.

Note: In cold conditions, -6°C and below, the machine should be started on gasoline and warmed for 2 minutes, then switched to LPG. Warm engines can be started on LPG.

All models

If the engine fails to start or dies, the restart delay will disable the start switch for 3 seconds.

If the engine fails to start after 15 seconds of cranking, determine the cause and repair any malfunction. Wait 60 seconds before trying to start again.

In cold conditions, -6°C and below, warm the engine for 5 minutes before operating to prevent hydraulic system damage.

In extreme cold conditions, -18°C and below, machines should be equipped with optional cold start kits. Attempting to start the engine when temperatures are below -18°C may require the use of a booster battery.

Emergency Stop

Push in either the ground or platform red Emergency Stop button to the off position to stop all functions and turn the engine off.

Repair any function that operates when the red Emergency Stop button is pushed in.

Selecting and operating the ground controls will override the platform red Emergency Stop button.

Emergency Controls

Use emergency power if the primary power source (engine) fails.

- 1 Turn the key switch to ground or platform control.
- 2 Pull out the red Emergency Stop button to the on position.
- 3 Press down the foot switch when operating the emergency controls from the platform.
- 4 Simultaneously hold the emergency power button and activate the desired function.



The drive function will not operate with emergency power.

Transport and Lifting Instructions



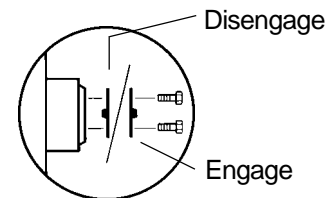
Transport Instructions Observe and Obey:

- ☑ Genie Industries provides this securement information as a recommendation. Drivers are solely responsible for making sure machines are properly secured and the correct trailer is selected pursuant to US Department of Transportation regulations, other localized regulations, and their company policy.
- ☑ Genie customers needing to containerize any lift or Genie product should source a qualified freight forwarder with expertise in preparing, loading and securing construction and lifting equipment for international shipment.
- ☑ Only qualified aerial lift operators should move the machine on or off the truck.
- ☑ Transport vehicle must be parked on a level surface.
- ☑ Transport vehicle must be secured to prevent rolling while machine is being loaded.
- ☑ Be sure vehicle capacity, loading surfaces and chains or straps are sufficient to withstand the machine weight. Genie lifts are very heavy relative to their size. See the serial label for the machine weight. See the Decals section for the serial label location.
- ☑ Be sure the turntable is secured with the turntable rotation lock before transporting. Be sure to unlock the turntable for operation.
- ☑ Do not drive the machine on a slope that exceeds the slope or side slope rating. See Driving on a Slope in the Operating Instructions section.
- ☑ If the slope of the transport vehicle bed exceeds the uphill or downhill maximum slope rating, the machine must be loaded and unloaded using a winch as described.

Free-wheel Configuration for Winching

Chock the wheels to prevent the machine from rolling.

Release the wheel brakes by turning over all four torque hub disconnect caps.



Be sure the winch line is properly secured to the drive chassis tie points and the path is clear of all obstructions.

Reverse the procedures described to re-engage the brakes.

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