



Operator's Manual

Serial Number Range

GTH™-1056

from GTH10E-16000

with
Maintenance
Information

Original Instructions
Eighth Edition
Third Printing
Part No. 1303144GT

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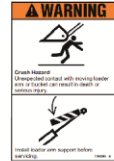


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General Safety

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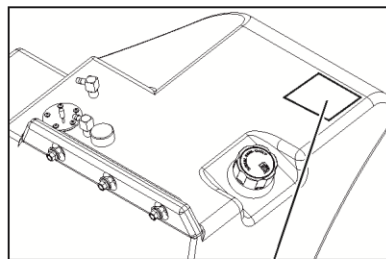
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Work Area Safety

⚠ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual and the appropriate Genie service manual.

Be sure all decals are in place and legible.

Be sure the operator's and safety manuals are complete, legible and in the storage container located in the cab.

Do not attempt to start the machine by towing or pushing.

Do not attempt to use the forks or attachments for prying wedged or frozen loads free.

Do not push or pull objects or loads with the forks, attachment or boom.

If engine display lights or engine condition indicator lights are on, see the Operating Instructions section. Continued use when engine lights are on could result in reduced torque and engine speed.

⚠ Component Damage Hazards

Do not use any battery or charger greater than 12V to jump-start the engine.

Do not use the machine as a ground for welding.

Do not drive the machine unless the stabilizers are fully retracted.

For machines equipped with solid tires, do not operate continuously for longer than one hour without allowing the tires to cool down for 30 minutes.

Do not operate the machine when the SCR (selective catalytic reduction) cleaning operation is running. See Operating Instructions section.

Diesel exhaust fluid (DEF) is corrosive to metal and paint. If DEF is spilled, it should be cleaned up immediately with warm water.

⚠ Crush Hazards



Keep clear of moving stabilizers.

Keep clear of moving parts during machine operation and make sure personnel and bystanders are kept clear of moving parts during operation.

Set the parking brake, put the transmission in neutral and lower the carriage or the attachment to the ground before leaving the machine.

Keep clear of elevated components.

Support components before performing service.

Do not work under the boom without the cylinder chock in place.

Inspections

Function Tests

- 1 Select a test area that is firm, level and free of hazards. Be sure there is no load on the forks or attachment.
- 2 Enter the cab and sit on the seat.
- 3 Adjust the seat and steering column, if needed.
- 4 Fasten the seat belt.
- 5 Adjust the mirrors, if required.
- 6 Be sure the parking brake is on and the transmission control is in neutral.
- 7 Start the engine. See Starting the Engine in the Operating Instructions section.

Test the Horn

- 8 Press the horn button.
- ⊙ Result: The horn should sound.

Test the Electronic Joystick Handle

- 9 Using the control handle, momentarily raise the boom, extend the boom, retract the boom and lower the boom.
- ⊙ Result: All functions should operate smoothly.
- 10 Using the yellow roller, momentarily tilt the forks up and tilt the forks down.
- ⊙ Result: All functions should operate smoothly.
- 11 Using the control handle and the white finger switch, momentarily sway the machine to the right and to the left.
- ⊙ Result: The frame level function should operate smoothly.

Test the Steering

- 12 Push the right side of the steer selector switch to select four-wheel steer. The four-wheel steer indicator light on the instrument panel will be on.
- 13 Check the steering operation by turning the steering wheel approximately a quarter turn in each direction.
- ⊙ Result: The front wheels should turn in the same direction as the steering wheel. The rear wheels should turn in the opposite direction.
- 14 Straighten the wheels.
- 15 Push the steer selector switch to the middle position to select two-wheel steer. The two-wheel steer indicator light on the instrument panel will be on.
- 16 Check the steering operation by turning the steering wheel approximately a quarter turn in each direction.
- ⊙ Result: The front wheels should turn in the same direction as the steering wheel. The rear wheels should not turn.
- 17 Straighten the wheels.
- 18 Push the left side of the steer selector switch to select crab steer. The crab steer indicator light on the instrument panel will be on.
- 19 Check the steering operation by turning the steering wheel approximately a quarter turn in each direction.
- ⊙ Result: The front wheels and the rear wheels should turn in the same direction as the steering wheel.

Operating Instructions

Parking Brake

Use the parking brake switch to apply the parking brake before raising the boom or leaving the machine.

Push the top of the rocker switch to turn the parking brake on.

Push the bottom of the switch to turn the parking brake off.

Brake Pedal

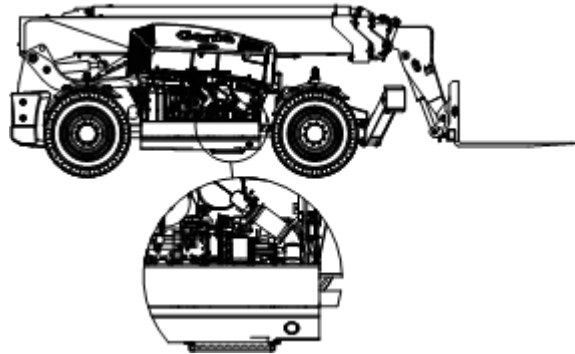
Use the brake pedal to control the machine speed and to stop the machine motion.

Push and hold the brake pedal to stop the machine.

Push and release the brake pedal to control the machine speed.

Battery Disconnect Switch (if equipped)

The battery disconnect switch is located inside the tank side cover on the right side of the machine.



- 1 To activate the electrical system, insert the battery disconnect key and turn the key clockwise 90 degrees to the on position.
- 2 To deactivate the electrical system, turn the key counterclockwise 90 degrees to the off position.

▲ The battery disconnect switch must never be disabled while the engine is running.

Note: When servicing the machine or leaving the machine for a long period of time, turn the battery disconnect to the off position and remove the key.

Operating Instructions

▲ Rear Proximity Alarm (if equipped)

The system is designed to supplement other safety practices and systems such as signal person and mirrors, and is not intended to be used as the sole method of collision avoidance. It should be used in conjunction with established safety programs and procedures to augment the safe operation of the telehandler. The operator is always the first line of defense when safely operating the telehandler and should always use direct line of sight and indirect visual methods, like mirrors, to identify and avoid obstacles and collision hazards.

The system detects both moving and stationary objects in a pre-defined coverage area (see the specifications and chart in the back of this manual) and reports the distance of the closest object via visual range indicators and an audible signal to the operator.

The system can detect most objects within the detection zone. However, there are some instances where objects can go undetected. Obstacle size, shape, relative location, and composition are all factors determining if, when and where an object is detected. The system operates by transmitting a pulse of very low power electromagnetic energy. Any energy that strikes an object reflects a certain amount of this energy back to the sensor. If the returned energy is of sufficient magnitude, it is used to indicate object presence and determine the object's distance. While the system can resolve multiple objects, only the object closest to the vehicle is reported to the display since it represents the nearest collision hazard.

Always look in the direction of travel. When the rear proximity alarm sounds, bring the machine to a controlled stop and verify the location of the obstacle. Only proceed when the obstacle is clear of the travel path.

Display range indications illuminate to give a relative distance measurement to the closest detected object. LEDs operate from left to right, with a closer object resulting in more LEDs illuminated.

▲ Backup Camera Monitor (if equipped)

Monitors (if equipped) will switch to a full screen showing only the rear camera view when the vehicle is put into reverse. The sensor will be powered up by the reverse signal and give detection information. Object detection information is only available when the sensors are powered.

Attachments

Telehandler Operation

Be certain that the platform is securely attached to the telehandler, lifting carriage and forks.

Be certain that the lifting carriage and forks are secured to prevent them from pivoting freely.



Do not drive the telehandler when occupants are in the platform.

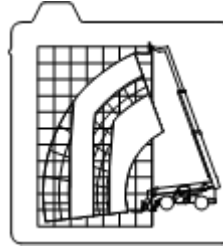
Always fully lower the platform and have occupants leave the platform before driving the telehandler.

Before elevating personnel, the area shall be marked to warn of work by elevated personnel.

Prior to lifting personnel, platform occupants and telehandler operator must establish a means of communication for positioning of the platform.

Be sure that operators of other overhead and floor level machines are aware of the machine's presence.

Lifting Personnel



Occupants, equipment and materials shall not exceed the maximum platform capacity. Distribute loads evenly on the platform floor.

The combined weight of the platform, load, and personnel shall not exceed one-third of the capacity at the related load center position (24 inches/60 cm) as indicated on the load charts of the telehandler on which the platform is used.

Be certain that the path of platform travel is clear of hazards such as storage racks, scaffolds, overhead obstructions, and electrical wires.



Do not level the machine with the frame sway function when the platform is occupied.

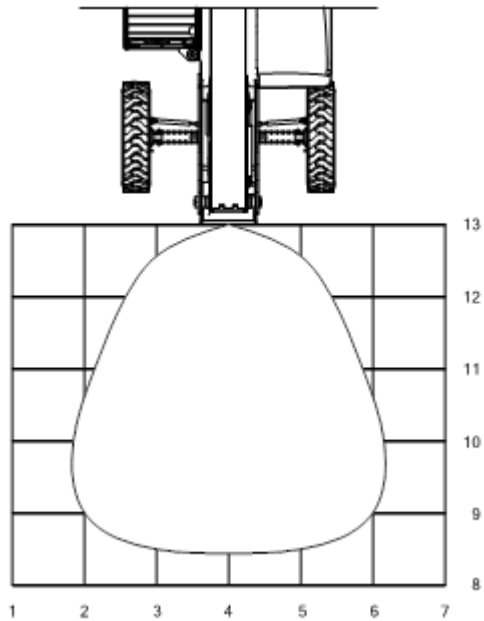


Be certain that the platform is horizontal before lifting, and do not tilt the platform forward or backward when the occupied platform is elevated.

When equipped, always lower the stabilizers prior to raising personnel.

Specifications

Rear Proximity Sensor Range



Horizontal Values

1	9.75 ft	3 m
2	6.5 ft	2 m
3	3.25 ft	1 m
4	0 ft	0 m
5	3.25 ft	1 m
6	6.5 ft	2 m
7	9.75 ft	3 m

Vertical Values

8	16.25 ft	5 m
9	13 ft	4 m
10	9.75 ft	3 m
11	6.25 ft	2 m
12	3.25 ft	1 m
13	0 ft	0 m

Approximate detection range. Minimum rear proximity sensor detection height is 2 ft/0.6 m.

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