Genie
A TEREX BRAND

Operator's Manual Supplement

Lift Guard™ Sense Controls

Refer to the inside cover for models included.

ANSI/CSA
- North America
- South America
- Asia

AUS
- Australia

CE
UK
CA

Original Instructions
First Edition
First Printing
Part No. 1338590GT

Introduction

Important

Read, understand and obey the safety rules and operating instructions in the Operator's manual that is appropriate for your machine. Only trained and authorized personnel shall be permitted to operate this machine. This manual should be considered a permanent part of your machine and should remain with the machine at all times. If you have any questions, contact us.

Contact Us:

Internet: www.genielift.com

E-mail: awp.techpub@terex.com

Approved Model

Models
GS™-1332m
GS™-1432m
GS™-1930
GS™-1932m
GS™-1932
GS™-2632
GS™-3232
GS™-2646
GS™-3246
GS™-4046
GS™-4655

Note: Apply to only dual zone models listed above.

⚠WARNING Do not install the Lift Guard Sense Controls on any Genie product other than the approved models.

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This accessory complies with
ANSI/SAIA A92.20
CAN/CSA B.354.6

AUS 1418.10

CE Complies with EC Directive 2006/42/EC
See EC Declaration of Conformity

UKCA Supply of Machinery (Safety) Regulations 2008

Introduction



Danger

Failure to obey the instructions and safety rules in this manual will result in death or serious injury.

- Lift Guard Sense is not intended to replace or reduce the need for the operator to be aware of the environment around the machine.
- Hazards that will cause serious injury or death may not be prevented or reduced by Lift Guard Sense.
- The operator must always look in the direction of travel, avoid power lines, avoid obstacles that could strike the machine or persons in the platform, and follow all instructions on machine placards and in this manual.
- The operator must not rely on Lift Guard Sense as a substitute for following the instructions and warnings on machine placards and in this manual.
- Lift Guard Sense is intended to assist the operator.
- Lift Guard Sense may not detect certain objects depending on shape, type of material, or orientation of the object to the sensor(s).
- It is the operator's responsibility to be aware of their surroundings at all times.

Note: Lift Guard Sense is not active when operating the machine from the ground controls.

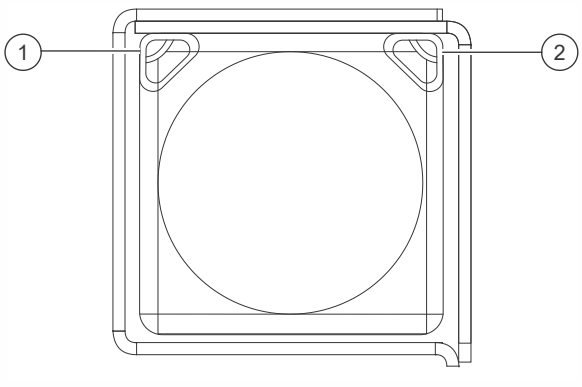
Lift Guard Sense Controls System

The Lift Guard Sense Controls system is designed to alert the operator, occupants and ground personnel to a potential hazard when an obstruction is detected by the secondary guarding system. Machine movement will slow down and then stop as distance to a detected object decreases.

Introduction

Sensor LED Indicators

The sensor has two LED indicating operating and status information.



1 status LED, Red/Green
2 sensor LED, Yellow

Yellow (Sensor) LED	
ON	Object detected by sensor
OFF	No object detected
Red / Green (Status) LED	
Green (running mode)	
ON	Normal operation
OFF	Sensor in reset state or is not powered
Rapid flashing	Sensor configuration is active
Flashing	Sensor in NMT “Pre-operational” state
One short flash	Sensor in NMT “Stopped” state
Red (error state)	
ON	Sensor CAN communication is off
OFF	Sensor operating normally
Rapid flashing	Sensor not configured
Flashing	General sensor error, invalid configuration
One short flash	CAN controller error counter limit reached

⚠ Sense Controls Safety

Read, understand and obey all warnings and instructions provided with the sense controls.

Do not exceed the rated platform capacity. The weight of the ultrasonic assembly will reduce the rated platform capacity and must be subtracted from the total platform load.

The standard ultrasonic assembly configuration weighs 5 lbs/2.27 kg.

Note: The standard configuration consist of a single PCON mounted ultrasonic sensor.

Be sure the ultrasonic assembly is securely installed.

When the ultrasonic assembly is attached, this manual should be considered a permanent part of your machine and should remain with the machine at all times.

Symbol and Hazard Pictorials Definitions



Standard ultrasonic assembly weight 5 lbs/2.27 kg



Read the supplement manual, part number 1338590GT

Introduction

⚠ Pre-operation Inspection

- ☐ Be sure that the operator's, safety manual, responsibilities manual and any necessary supplements are complete, legible and in the storage container located in the platform.
- ☐ Be sure that all decals are legible and in place.

Check the ultrasonic assembly for damage, improperly installed or missing parts and unauthorized modifications.

- ☐ Nuts, bolts and other fasteners
- ☐ Wiring, cables and ultrasonic assembly components
- ☐ Cracks in structural components
- ☐ Dents or damage to the ultrasonic assembly

- ☐ Integrated Access Deck and Lift Guard Sense Controls (if equipped)
  - ☐ Place the PCON on the Access Deck handrail when standing on the step and operating the machine to ensure safe machine operation

⚠ Function Test

Note: Perform this procedure from the platform controls in an area free of obstructions.

1 Activate platform up. Move your hand approximately 1 foot / 30.5 cm above the sensor.

⊙ Platform up function stops, the joystick display shows STOP and the alarm sounds.

2 With your hand still above the sensor, release the joystick. Activate platform up.

⊙ Platform up function resumes at a reduced speed. The joystick display shows lift function mode and the alarm sounds.

3 Release the joystick and remove your hand from the sensor. Activate platform up.

⊙ Normal platform function speed resumes, the joystick display returns to normal and alarm is off.

4 Activate the drive function. Move your hand approximately 1 foot / 30.5 cm above the sensor.

⊙ Drive function stops, the joystick display shows STOP and the alarm sounds.

5 With your hand still above the sensor, release the joystick. Activate drive.

⊙ Drive function resumes at a reduced speed. The joystick display shows drive function mode and the alarm sounds.

6 Release the joystick and remove your hand from the sensor. Activate drive.

⊙ Normal drive function resumes, the joystick display returns to normal and alarm is off.

Operating Instructions

⚠ Operating Instructions

When the alarm is activated, joystick display shows STOP and an audible alarm sounds.

After the alarm is activated, the operator can acknowledge the hazard and continue operating the machine. The operator must release the function enable switch and return the joystick to the center position. After re-engaging function enable switch, functions will resume operation at reduced speeds allowing the operator to continue to raise or drive the machine. The audible alarm and joystick controller display will deactivate when the function is stopped, object is no longer detected or the red Emergency Stop button is pushed in to the off position.

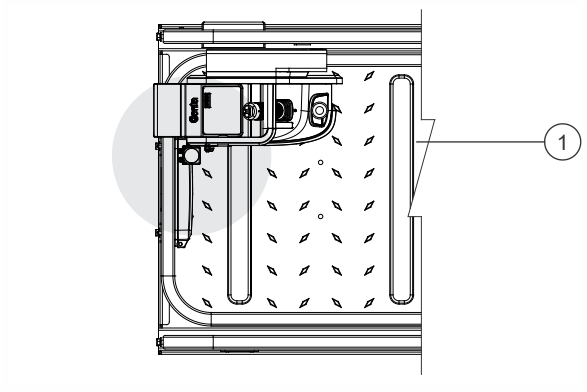
Platform Controls Operation

1 Return the joystick to the center position and release the function enable switch to acknowledge the potential hazard.

2 Continue machine functions to reach the working location or to move the machine away from the potential hazard.

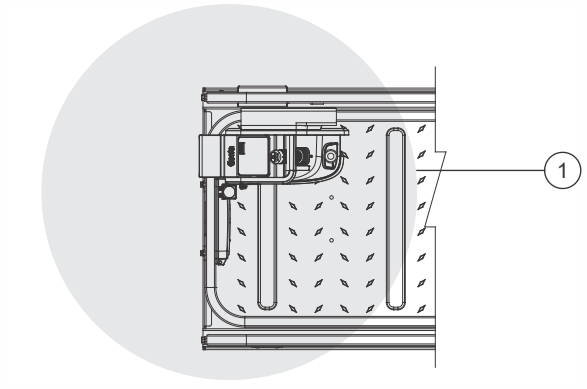
Note: To restore machine functions after the alarm has been activated, the machine must be driven or lowered until the triggering object is no longer detected within the slow or stop range of the sensor. Pushing in the red Emergency Stop button to the off position will not restore machine functions. This action will only turn off the lights and alarm.

Small Object Field of View



1. plan view of platform

Large Object Field of View



1. plan view of platform

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