Genie
A TEREX BRAND

Operator's Manual Supplement

Lift Guard Lanyard Alert
Lift Guard Lanyard Alert Advanced

ANSI/CSA
- North America
- South America
- Asia

AUS
- Australia

CE
UK CA

Original Instructions
First Edition
Second Printing
Part No. 1333584GT

Introduction

Important

Read, understand and obey these safety rules and operating instructions before operating this 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

Contents

Introduction 2
Installation Instructions 6
Inspections 12
Operating Instructions..... 16

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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

Approved Models

The Lift Guard Lanyard Alert and Lift Guard Lanyard Alert Advanced can only be used on the following Genie models built from 2003 onwards.

Z-Booms:

Z-30/20N, All Z-34 models, All Z-45/25 models, Z-40N, Z-45 FE, Z-45 DC, Z-51, Z-60/34, Z-62/40, Z-80, ZX-135

S-Booms:

S-60J, S-60 DCFE, S-85XC (Hybrid), S-80J S-100, S-105, S-120, S-125, SX-105XC, SX-125XC, SX-135XC, SX-150, SX-180

Models with ALC500 controller: S-40, S-45, S-60,S-65, S-60TX, S-65TX, S-60XC, S-65XC, S-80, S-85, S-80X

Models with ALC600 controller: S-40XC, S-45XC, S-40HF, S-45HF, S-60XC, S-65XC, S-60HF, S-65HF, S-60TX, S-65TX, S-80XC, S-85XC, S-80HF, S-85HF

⚠WARNING Do not install the Lift Guard Lanyard Alert and Lift Guard Lanyard Alert Advanced on any Genie product other than the approved models.

Introduction



Danger

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

Note:

The Lift Guard Lanyard Alert and Lift Guard Lanyard Alert Advanced complies with the requirements of ANSI, CSA, AUS, CE and UKCA markets. All other markets are prohibited from use.

The Lift Guard Lanyard Alert and Lift Guard Lanyard Alert Advanced for booms can only be used on the Genie approved models. Use on all other platforms is prohibited.

See approved models list.

Intended Use

The Genie Lift Guard Lanyard Alert (LGLA) and Lift Guard Lanyard Alert Advanced (LGLAA) is designed to alert the operator they may not have proper lanyard engagement while using Genie boom. The LGLA and LGLAA alerts the operator through an audible alarm and visual signals, if a lanyard is not properly secured on the specified anchor point.

In addition, the Lift Guard Lanyard Alert Advanced (LGLAA) will disable the platform functions.

Introduction

Symbol and Hazard Pictorials Definitions



Read the supplement, part number 1333584



Tip-over hazard



Lanyard anchorage point, Fall Arrest/Fall Restrained

Tools Required

Phillips screwdriver

3/8 inch wrench or Ratchet

7/16 Inch Ratchet Wrench with extension

7/16 inch wrench

Cable ties

Installation Instructions



Observe and Obey:

☑ This procedure shall be completed by a person authorized to install the Lift Guard Lanyard Alert and Lift Guard Lanyard Alert Advanced.

☑ Immediately tag and remove from service a damaged or malfunctioning machine.

☑ Repair any machine damage or malfunction before operating the machine.

Before Starting Installation

☑ Read, understand and obey the safety rules and operating instructions in the appropriate Genie Operator's Manual and Supplements.

☑ Be sure that all necessary tools and parts are available and ready for use.

☑ Read this procedure completely and adhere to the instructions.

Contents of Kit 1333585GT

For Models: S-60J, S-80J

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert	1333574GT	1
(2) Harness, Jumper, DTP, 4 Pin	1334018GT	1
(3) Manual, Supplement	1333584GT	1

Contents of Kit 1333723GT

For Models: Z-45, S-40 XC, S-45 XC, S-40 HF, S-45 HF (ALC600), S-60 XC, S-65 XC, S-60 HF, S-65 HF, S-60 TX, S-65 TX (ALC600), S-80 XC, S-85 XC, S-80 HF, S-85 HF (ALC600), Z-80, S-100, S-105, SX-105 XC, S-120, S-125, SX-125 XC, SX-135 XC, ZX-135

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert	1333574GT	1
(2) Manual, Supplement	1333584GT	1

Contents of Kit 1333724GT

For Models: SX-150, SX-180

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert	1333574GT	1
(2) Harness, extension	1333575GT	1
(3) Manual, Supplement	1333584GT	1

Installation Instructions

Contents of Kit 1333725GT

For Models: Z-45, Z-45N, Z-51, Z-45 XC, S-60, S-65, S-60 TX, S-65 TX, S-60 XC, S-65 XC (ALC500), S-40, S-45 (ALC500), S-80, S-85, S-80 X (ALC500), Z-60/34, Z-62/40

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert	1333574GT	1
(2) Harness, Jumper, 4 Pin	1333586GT	1
(3) Harness, Jumper, 3 Pin	1333659GT	1
(4) Manual, Supplement	1333584GT	1

Contents of Kit 1333726GT

For Models: Z-34 IC, Z-34 GP

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert	1333574GT	1
(2) Harness, Jumper, 4 Pin	1333586GT	1
(3) Harness, Jumper, DTP, 4 Pin	1334018GT	1
(4) Manual, Supplement	1333584GT	1

Contents of Kit 1334019GT

For Models: Z-30, Z-34, Z-30N, Z-34N, Z-34 BE, Z-40N, Z-60 DCFE, Z-45 DCFE, S-60 DCFE

Description	Genie part number	Qty.
(1) Assembly, 24V, Lanyard Alert	1334021GT	1
(2) Harness, Jumper, 4 Pin	1333586GT	1
(3) Harness, Jumper, 3 Pin	1333659GT	1
(4) Harness, Jumper, DTP, 4 Pin	1334018GT	1
(5) Manual, Supplement	1333584GT	1

Contents of Kit 1334020GT

For Models: Z-60/37 DCFE, S-85 XC FE/E

Description	Genie part number	Qty.
(1) Assembly, 24V, Lanyard Alert	1334021GT	1
(2) Manual, Supplement	1333584GT	1

Contents of Kit 1334615GT

For Models: S-60J, S-80J

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert Advanced	1334613GT	1
(2) Harness, Jumper, DTP, 4 Pin	1334018GT	1
(3) Manual, Supplement	1333584GT	1

Contents of Kit 1334616GT

For Models: Z-45, S-40 XC, S-45 XC, S-40 HF, S-45 HF (ALC600), S-60 XC, S-65 XC, S-60 HF, S-65 HF, S-60 TX, S-65 TX (ALC600)

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert Advanced	1334613GT	1
(2) Manual, Supplement	1333584GT	1

Contents of Kit 1334617GT

For Models: SX-150, SX-180

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert Advanced	1334613GT	1
(2) Harness, extension	1333575GT	1
(3) Manual, Supplement	1333584GT	1

Installation Instructions

Contents of Kit 1334618GT

For Models: Z-45, Z-45N, Z-51, Z-45 XC, S-60, S-65, S-60 TX, S-65 TX, S-60 XC, S-65 XC (ALC500), S-40, S-45 (ALC500), S-80, S-85, S-80 X (ALC500), Z-60/34, Z-62/40

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert Advanced	1334613GT	1
(2) Harness, Jumper, 4 Pin	1333586GT	1
(3) Harness, Jumper, 3 Pin	1333659GT	1
(4) Manual, Supplement	1333584GT	1

Contents of Kit 1334619GT

For Models: Z-34 IC, Z-34 GP

Description	Genie part number	Qty.
(1) Assembly, 12V, Lanyard Alert Advanced	1334613GT	1
(2) Harness, Jumper, 4 Pin	1333586GT	1
(3) Harness, Jumper, DTP, 4 Pin	1334018GT	1
(4) Manual, Supplement	1333584GT	1

Contents of Kit 1334620GT

For Models: Z-30, Z-34, Z-30N, Z-34N, Z-34 E, Z-34 BE, Z-40N, Z-60 DCFE, Z-45 DCFE S-60 DCFE

Description	Genie part number	Qty.
(1) Assembly, 24V, Lanyard Alert Advanced	1334614GT	1
(2) Harness, Jumper, 4 Pin	1333586GT	1
(3) Harness, Jumper, 3 Pin	1333659GT	1
(4) Harness, Jumper, DTP, 4 Pin	1334018GT	1
(5) Manual, Supplement	1333584GT	1

Contents of Kit 1334622GT

For Models: Z-60/37 DCFE, S-85 XC FE/E

Description	Genie part number	Qty.
(1) Assembly, 24V, Lanyard Alert Advanced	1334614GT	1
(2) Manual, Supplement	1333584GT	1

Installation Instructions

Lift Guard Lanyard Alert (LGLA) Installation

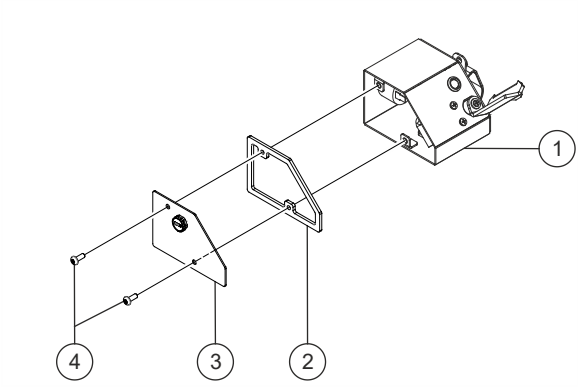
⚠WARNING Do not install the Lift Guard Lanyard Alert on any Genie product other than the approved models.

⚠WARNING The Lift Guard Lanyard Alert can only be mounted on the lanyard anchor point of the platform.

1 Turn the key switch to the off position and push in the red Emergency Stop button to the off position at both the ground and platform controls.

2 Remove the retaining fasteners securing the lid and gasket. Set the lid, gasket and fasteners aside.

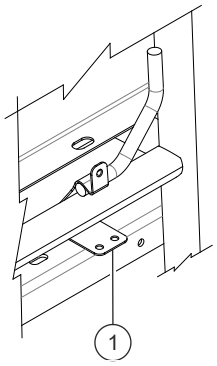
Genie part numbers 1332176GT, 1332178GT, 54365GT



1 control box
2 gasket
3 lid
4 retaining fasteners

3 Install the clamp onto the front-right lanyard anchor.

Genie part number 1332173GT

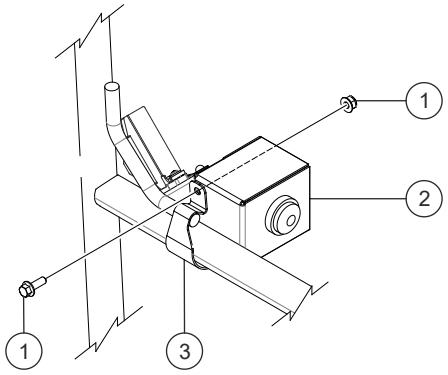


1 clamp

4 Install and secure the top of LGLA box with the clamp using fasteners. Tighten the fasteners to hand tight.

Genie part numbers 824078GT, 1277924GT, 1332171GT, 1332173GT

Note: Make sure the switch paddle is through the anchor triangle.



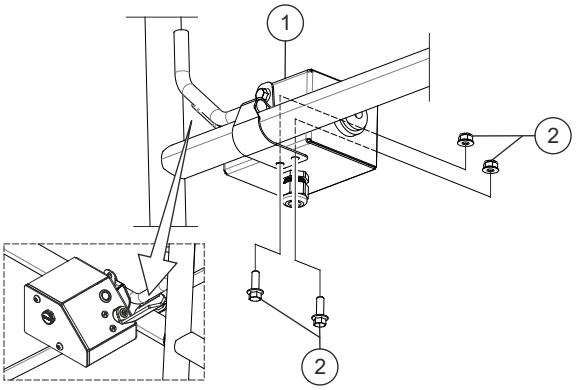
1 fasteners
2 control box
3 clamp

Installation Instructions

5 Secure the bottom of LGLA box with the clamp using fasteners. Tighten the fasteners to hand tight.

Genie part numbers 824078GT, 1277924GT, 1332171GT

Note: Make sure the switch paddle is through the anchor triangle.



1 control box
2 fasteners

6 Align the clamp with the end of the lanyard anchor.

7 Tighten the fasteners securing the bottom of the LGLA box with the clamp.

Note: Make sure the paddle stays within the anchor triangle.

8 Tighten the fasteners securing the top of the LGLA box with the clamp.

Note: Make sure the paddle operates without contacting any support structure.

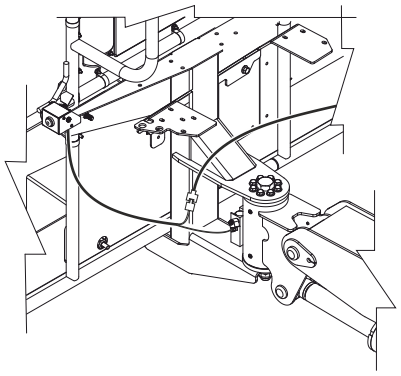
9 Operate the paddle to make sure it moves freely and clicks both ON and OFF positions.

Note: Make sure the paddle rest on the lanyard anchor when not operated.

10 Install and secure the lid with the LGLA box using the fasteners set aside.

11 Route the LGLA box harness along with the other harness as necessary. Secure the harness using cable ties.

12 Disconnect the green or green/black wire connector from the valve on the platform manifold and plug it with the female connector.

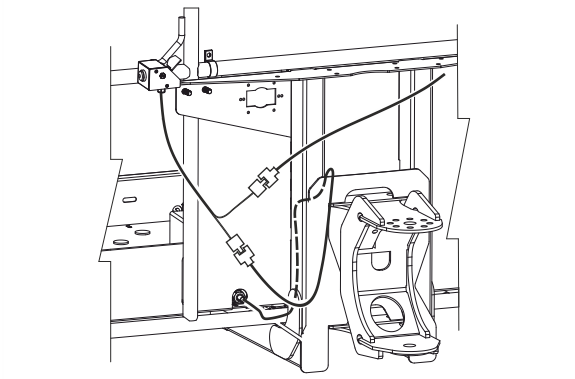


13 Connect the red wire and brown wire connectors of the LGLA box to the valve of the platform manifold.

Note: Use an extension cable as necessary to connect with a valve on the platform manifold.

Installation Instructions

14 Disconnect the footswitch connector and connect it with the female connector.



15 Connect the remaining 2 connectors of the LGLA box to the footswitch.

Note: Use the provided jumper for the models with 4 pin or 3 pin connector. Remove the red wire on pin-3. Disconnect the 2 pin connectors of harness of the LGLA box and insert the wires into the jumper connectors.

Pin 1 - Black
Pin 2 - White
Pin 3 - Red
Pin 4 - Cavity plug

16 Perform the function test. Refer to the Inspection section for the function test.

Inspections

Pre-operation Inspection

- ☐ Be sure that the operator's manual, 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 Lift Guard Lanyard Alert (LGLA) and Lift Guard Lanyard Alert Advanced (LGLAA) box for damage or wear, improperly installed, loose or missing parts and unauthorized modifications.

- ☐ Nuts, bolts and other fasteners
- ☐ Cracks in welds or structural components
- ☐ Dents or damage to LGLA or LGLAA box
- ☐ Check platform mounting location. The mounting location must be undamaged and clear of debris, ice, oily and slippery surfaces.

Function Test Fundamentals

The function tests are designed to discover any malfunctions before the machine is put into service. The operator must follow the step-by-step instructions to test all machine functions.

A malfunctioning machine must never be used. If malfunctions are discovered, the machine must be tagged and removed from service. Repairs to the machine may only be made by a qualified service technician, according to the manufacturer's specifications.

After repairs are completed, the operator must perform a pre-operation inspection and function tests again before putting the machine into service.

Inspections

At the Platform Controls

1 Do not attach a lanyard to the lanyard anchor point.

2 Turn the key switch to platform control and pull out the red Emergency Stop button to the on position at both the ground and platform controls.

⊙ Result: LED functions red.

3 Manually operate the paddle of the LGLA box.

⊙ Result: LED turns to green.

4 Release the paddle.

⊙ Result: LED turns to red.

5 Press down the footswitch.

⊙ Result: LED turns red and alarm should sound.

6 Release the footswitch.

⊙ Result: The alarm should stop.

Lift Guard Lanyard Alert Advanced

7 Attach a lanyard to another lanyard anchor point.

8 Operate a boom function.

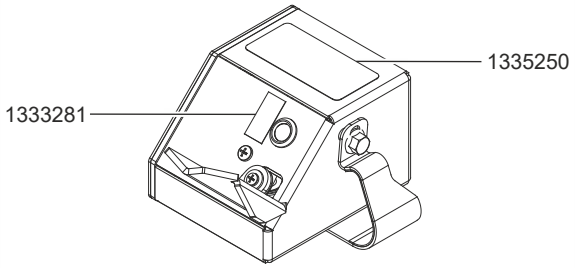
⊙ Result: The boom function should not operate. LED turns red and alarm should sound.

Inspections

Decals Inspection

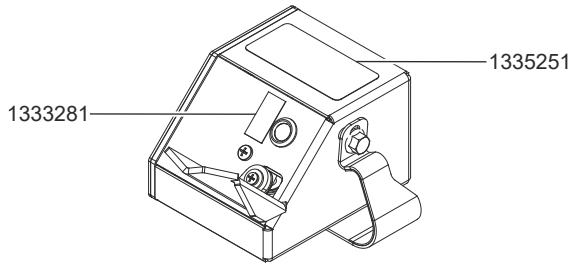
Use the inspection to verify that all decals are legible and in place. Decals may vary depending on machine configuration.

Lift Guard Lanyard Alert



Part No.	Decal Description	Qty
1333281	Label – Lanyard Anchorage Point, Alert	1
1335250	Label – Cosmetic, Lanyard Alert	1

Lift Guard Lanyard Alert Advanced



Part No.	Decal Description	Qty
1333281	Label – Lanyard Anchorage Point, Alert	1
1335251	Label – Cosmetic, Lanyard Alert Advanced	1

Inspections

Annual Inspection

Inspect for missing or loose components.

Check all fasteners are properly tightened.

Inspect all components for damage or wear. Check for cracks, bends and corrosion.

Inspect all welds for cracks.

Verify the LGLA or LGLAA box paddle moves freely and clicks both ON and OFF position.

Verify the LGLA or LGLAA box paddle rest on the lanyard anchor when not operated.

Operating Instructions

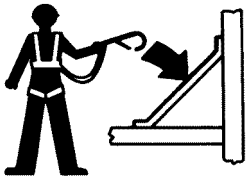
Lift Guard Lanyard Alert Operation

1 Verify the Lift Guard Lanyard Alert (LGLA) or Lift Guard Lanyard Alert Advanced (LGLAA) box installation instructions have been followed properly and it is secured with the right side anchor point on the platform.

2 Turn the key switch to platform control and pull out the red Emergency Stop button to the on position at both the ground and platform controls.

3 Attach a lanyard to the lanyard anchor of the platform.

Note: The lanyard anchor must push the paddle down to engage the LGLA or LGLAA.



Occupants must wear a safety belt or harness in accordance with governmental regulations. Attach the lanyard to the anchor provided in the platform.

California Proposition 65

WARNING

Operating, servicing and maintaining this equipment can expose you to chemicals including engine exhaust, carbon monoxide, phthalates, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. These chemicals can be emitted from or contained in other various parts and systems, fluids and some component wear by-products. To minimize exposure, avoid breathing exhaust, do not idle the engine except as necessary, service your equipment and vehicle in a well-ventilated area and wear gloves or wash your hands frequently when servicing your equipment or vehicle and after operation. For more information go to www.P65Warnings.ca.gov/passenger-vehicle.

Breathing diesel engine exhaust exposes you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

- Always start and operate the engine in a well-ventilated area.
- If in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system.
- Do not idle the engine except as necessary.

For more information go to www.P65warnings.ca.gov/diesel.

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