A TEREX BRAND

# Installation Instructions

## Genie® Lift Connect™

Part No. 1295251GT
Rev D
December 2020

# Introduction



## Observe and Obey:

☑ This procedure shall be completed by a person trained and qualified on the repair of this machine.

☑ 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 operator's manual.

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

☑ Read this procedure completely and adhere to the instructions. Attempting shortcuts may produce hazardous conditions.

⊙ Indicates that a specific result is expected after performing a series of steps.

⊠ Indicates that an incorrect result has occurred after performing a series of steps.

Note: These installation instructions only apply to the Genie models and serial number ranges listed within this document.

If you have any further questions regarding these instructions or need assistance, please contact Genie Product Support at one of the following telephone numbers:

| | | |
|---|---|---|
| United States: | | + 800 536 1800 |
| Canada: | | + 425 881 1800 |
| Europe: | UK | + 44 1476 584 333 |
| | France | + 33 237 260 986 |
| | Germany | + 49 421 3770 9890 |
| | Iberica | + 34 935 725 090 |
| | Italy | + 39 075 941 8132 |
| | Scandinavia | + 46 3157 5154 |
| | Other locations | + 31 165 51 93 22 |
| Middle East: | | + 97 143 391 800 or + 97 150 459 7937 |
| Australia: | | + 61 7 3456 4444 |
| Brazil | | + 0 800 031 0100 |
| South America - other locations | | + 56 9 6431 2110 |
| All other locations | | + 1 425-881 1800 |

Genie, "S", "Z" and "ZX" are registered trademarks of Terex South Dakota, Inc. in the U.S.A. and many other countries.

"GR", "GRC", "GS", "GTH", "QS", "SX", "TZ", "XC" and "TraX" are trademarks of Terex South Dakota, Inc.

## Tools Required:

11/32 inch socket

Ratchet

Torx T30 screwdriver

Cable tie gun or wire cutters

Mild cleaning solvent

Soft clean cloth

Squeegee

Optional tools may be required on various models.

# Introduction

## Components of Kit 1291702GT

### Region: North America

Cable tie, 4 inch / 10 cm
Genie part number 21121GT
Qty. 10

Module, telematics
Genie part number 1289520GT
Qty. 1

Bracket, telematics
Genie part number 1289561GT
Qty. 1

Decal, lexan cover
Genie part number 1291624GT
Qty. 1

Installation instructions
Genie part number 1291701GT
Qty. 1

## Components of Kit 1291710GT

### Region: APAC / ANZ

Cable tie, 4 inch / 10 cm
Genie part number 21121GT
Qty. 10

Module, telematics
Genie part number 1289522GT
Qty. 1

Bracket, telematics
Genie part number 1289561GT
Qty. 1

Decal, lexan cover
Genie part number 1291624GT
Qty. 1

Installation instructions
Genie part number 1291701GT
Qty. 1

## Components of Kit 1291709GT

### Region: EMEAR / APAC

Cable tie, 4 inch / 10 cm
Genie part number 21121GT
Qty. 10

Module, telematics
Genie part number 1289521GT
Qty. 1

Bracket, telematics
Genie part number 1289561GT
Qty. 1

Decal, lexan cover
Genie part number 1291624GT
Qty. 1

Installation instructions
Genie part number 1291701GT
Qty. 1

## Components of Kit 1291711GT

### Region: Japan

Cable tie, 4 inch / 10 cm
Genie part number 21121GT
Qty. 10

Module, telematics
Genie part number 1289523GT
Qty. 1

Bracket, telematics
Genie part number 1289561GT
Qty. 1

Decal, lexan cover
Genie part number 1291624GT
Qty. 1

Installation instructions
Genie part number 1291701GT
Qty. 1

# Introduction

## Telematics Harness

The following table list the telematics harness that is appropriate for your machine.

| Retrofit Harness - 1292198GT | | | | | | | |
|---|---|---|---|---|---|---|---|
| AL4 | AL5V | RL4LED | S-80 XC | S-100HD | SX-135 XC | Z-45 IC/BE | Z-80 |
| AL4L | AL5HT | S-40 | S-85 XC | S-120HD | SX-150 | Z-45 IC | ZX-135 |
| AL5 | RL4 | S-45 | S-100 | SX-105 XC | SX-180 | Z-45 XC | TZ-34 |
| AL5L | RL4V | S-65 XC | S-120 | SX-125 XC | Z-34 IC/BE | Z-62 | TZ-50 |

| Retrofit Harness - 1292977GT | | | | | | |
|---|---|---|---|---|---|---|
| S-60 | S-60 X | S-60 TraX | S-65 Trax | S-80 | S-85 | S-80 X |
| S-65 | S-60 XC (to S60XCH-45000) | | | | | |

| Telematics Harness - 1289899GT | | | | | | | |
|---|---|---|---|---|---|---|---|
| GS-30 | GS-46 | GS-47 | GR-15 | GRC-12 | QS-15R | QS-12W | QS-20W |
| GS-32 | GS-46 AV | GR-12 | GR-20 | QS-12R | QS-20R | QS-15W | |

| Retrofit Harness - 1293652GT | Retrofit Harness - 1295970GT | Retrofit Harness - 1295971GT | |
|---|---|---|---|
| GS-69 RT | GS-69 DC/BE | GS-84 | GS-90 |

| Retrofit Harness - 1293414GT | Wiring Kit - 1296694GT | Wiring Kit - 1296972GT |
|---|---|---|
| Z-33 | Z-40 | Z-60 DC/FE |

| Retrofit Harness - 1293476GT | | | |
|---|---|---|---|
| Z-30N | Z-30N RJ | Z-34 DC | Z-34N |

| Retrofit Harness - 1295183GT | | | Wiring Adapter - 55.0602.1184GT | | |
|---|---|---|---|---|---|
| GTH-636 | GTH-844 | GTH-1056 | GTH-1256 | GTH-1544 | GTH-5519 |

# Safety Rules

**Telematic devices are not approved for use on Genie models equipped with an EE rating.**

**Installing a Telematics device on an EE rated machine will invalidate the machine's EE rating.**



# Lift Connect™ Activation

## Register and Activate the Telematics Module

Note: Perform this procedure after the Lift Connect device has been installed on the machine.

Go to the Genie Lift Connect Registration website.

https://www.genielift.com/lift-connect-reg

# Procedure - S® and Z® Booms

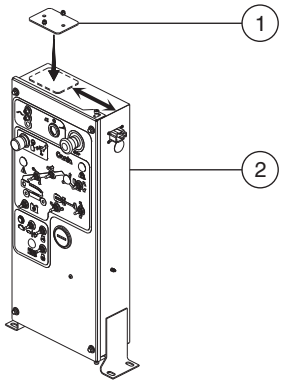
## S-40, S-45 (includes TraX™ models)

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| S4015-20505 to S40H-28013 |
| S4515-20505 to S45H-28013 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

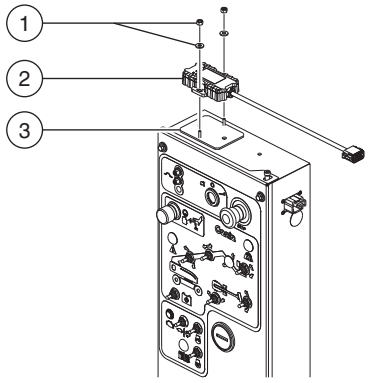
3 Adhere the bracket to the control box.

Note: Mount the bracket 6 inches / 15 cm from the right side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT or 1289523GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

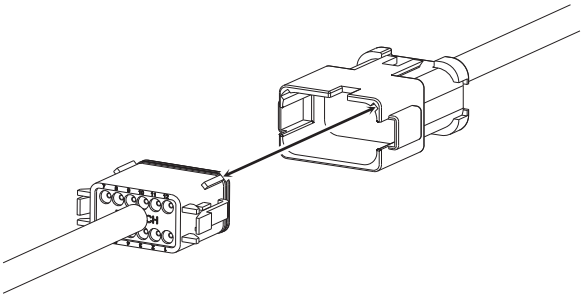
5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

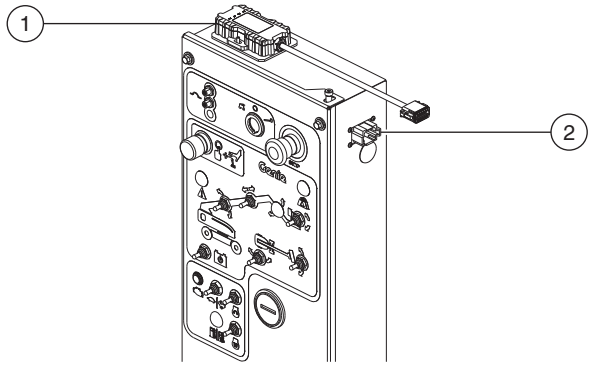
Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Procedure - S® and Z® Booms

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the right side of the control box.




1 telematics module
2 connector, 8 pin

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

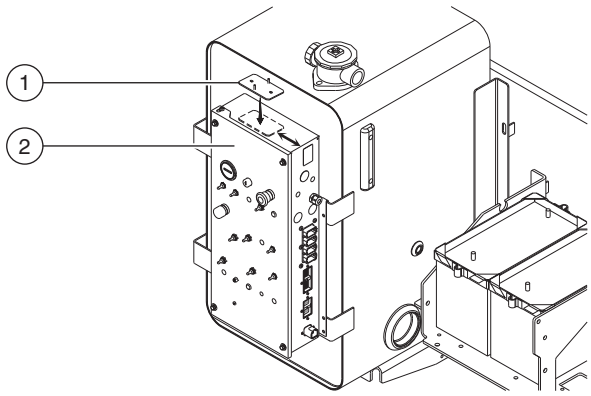
## S-60, S-65, S-60X, S-60XC, S-80, S-80X, S-85 (includes TraX™ models)

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| S6015A-29307 to S60H-40454 |
| S60X15A-29317 to S60XH-40455 |
| S60XC15A-29318 to S60XCH-45000 |
| S60TX15A-29357 |
| S6015D-204 |
| S6015H-35001 |
| S6515A-30300 |
| S6515H-35001 |
| S8015-12562 |
| S80X15-12470 |
| S8515-12471 |
| S8015D-101 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

# Procedure - S® and Z® Booms

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

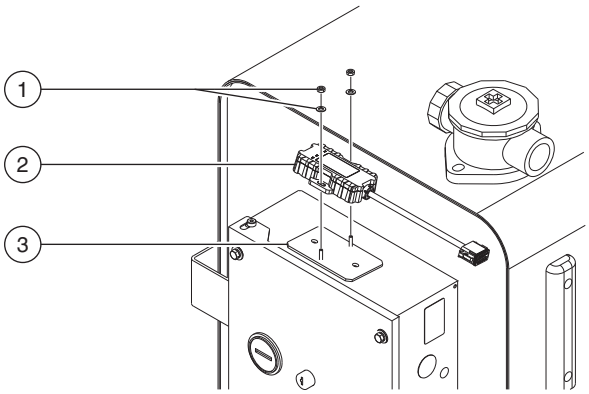
3 Adhere the bracket to the control box.

Note: Mount the bracket 3 inches / 7,6 cm from the right side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

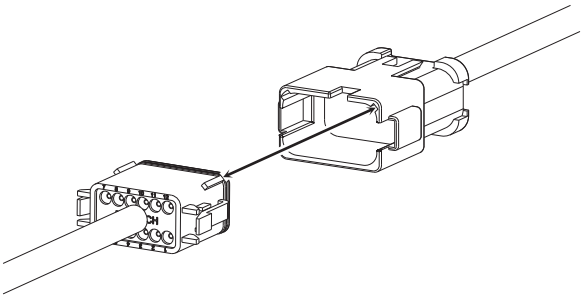
5 Connect the telematics module to the retrofit harness.

Genie part number 1292977GT.

Note: Harness connectors are keyed for proper installation.

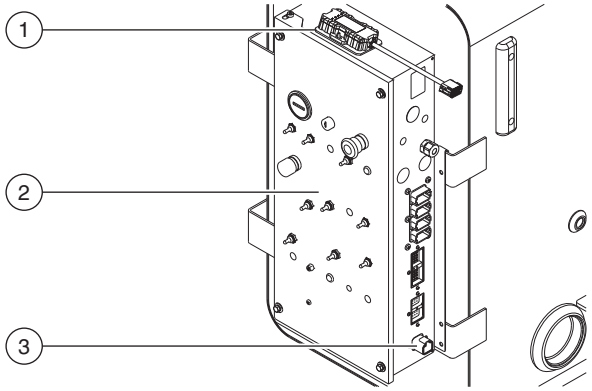
**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the right side of the control box.




1 telematics module
2 ground control box
3 connector, 8 pin

# Procedure - S® and Z® Booms

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

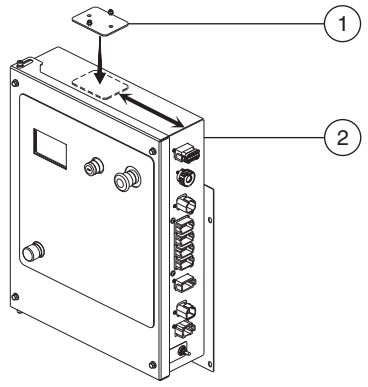
## S-65 XC, S-80 XC, S-85 XC (includes TraX™ models)

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| S60XCH-45001 to S60XCH-45353 |
| S65XCH-45001 to S65XCH-45353 |
| S65XCM-101 |
| S80XCH-104 to S80XCH-1556 |
| S85XCH-101 to S85XCH-1537 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

# Procedure - S® and Z® Booms

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

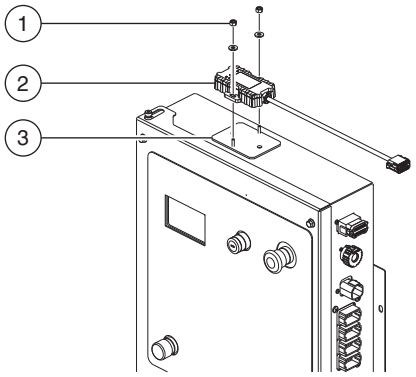
3 Adhere the bracket to the control box.

Note: Mount the bracket 7.5 inches / 19 cm from the right side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT or 1289523GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

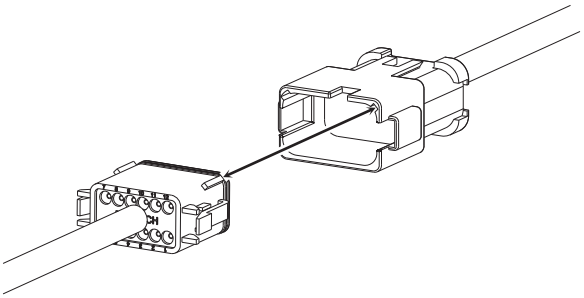
5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

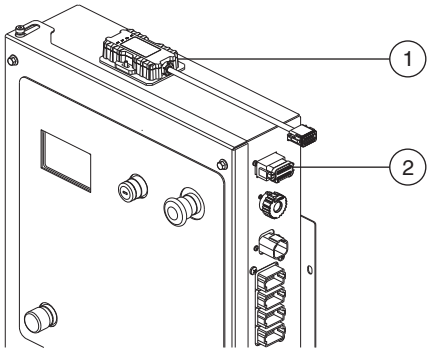
**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the right side of the control box.




1 telematics module
2 connector, 8 pin

# Procedure - S® and Z® Booms

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

### Updating the Machine Software

**Note: Loading software onto your computer requires that you must have administrative rights to download executable files.**

Note: A USB flash drive is required to perform this procedure.

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and print or save the **Software Update** instructions.

3 Follow the installation instructions to update the machine software.

Note: Both the **Application Firmware** and **Bootloader Firmware** must be updated.

4 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

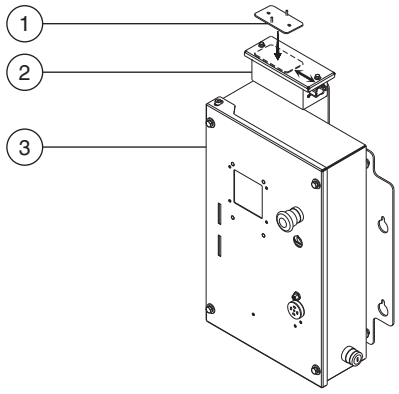
## S-100, S-100HD, S-120, S-120HD, SX-105 XC, SX-125 XC, SX-135 XC, SX-150, SX-180, Z-80/60, ZX-135/70

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| S10014D-845 |
| S100HD14D-200 |
| S12014D-963 |
| S120HD14D-205 |
| SX105D-174 to SX105D-782 |
| SX125D-101 to SX125D-820 |
| SX135H-101 to SX135H-446 |
| SX15015H-101 to SX150H-595 |
| SX18014-150 to SX180H-702 |
| Z8015-5353 to Z80H-7416 |
| ZX13515-2646 to ZX135H-4471 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the telematics connector box.




1 telematics bracket
2 telematics connector box
3 ground control box

# Procedure - S® and Z® Booms

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

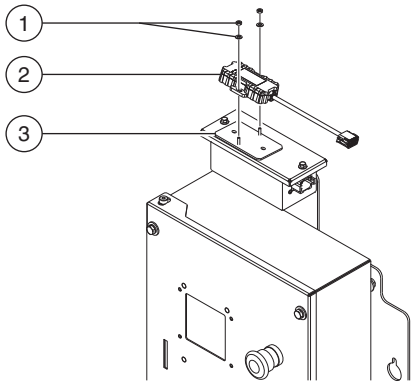
3 Adhere the bracket to the top of the telematics connector box.

Note: Mount the bracket 3.25 inches / 8,3 cm from the right side of the telematics connector box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

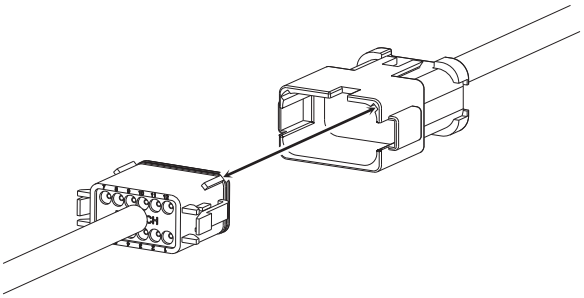
5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

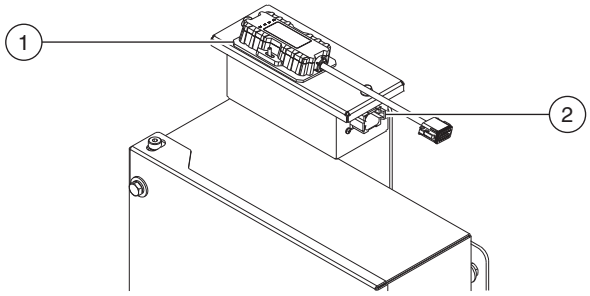
**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the right side of the telematics connector box.




1 telematics module
2 connector, 8 pin

# Procedure - S® and Z® Booms

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

## Updating the Machine Software

**Note: WebGPI™ software must be installed on your computer before proceeding.**

**Note: The Plus+1 Service Tool must be installed on your computer.**

Note: Updating with the Plus+1 Service Tool requires a programming cable and programming harness. Available through Genie Parts Department.

Genie part numbers 1267881GT, 110803GT.

**Note: Loading software onto your computer requires that you must have administrative rights to download executable files.**

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and save the **.exe** files for **Controller ID PCON**, **SCON** and **TCON** to your desktop.

3 Open the **.exe** files saved on your desktop and run the installation **Setup**.

4 Under **Application Firmware**, open the **Firmware File** and save the **.lhx** file for **Controller ID DISCON** to your desktop.

5 Update the machine software.

6 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# Procedure - S® and Z® Booms

## Z-30/20N, Z-30/20N RJ

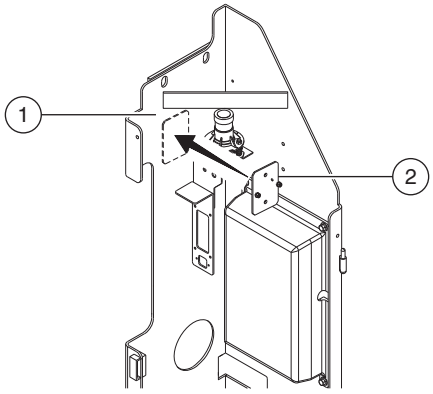
This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z30N15-16299 to Z30NF-20931 |
| Z30N15D-101 to Z30ND-758 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Open the turntable cover on the ground control side of the machine.

2 Using a mild cleaning solvent, clean the area of the bulkhead where the telematics device will be mounted.




1 bulkhead
2 telematics bracket

3 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

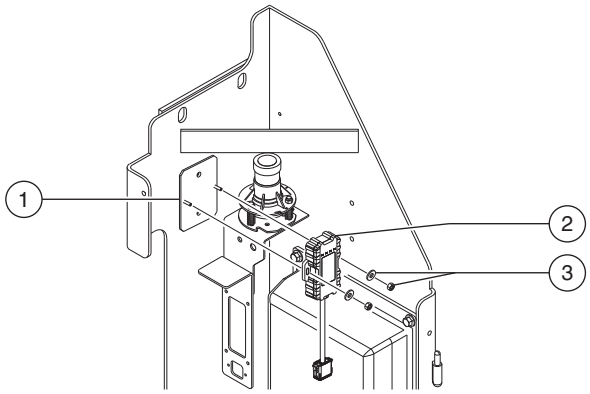
4 Adhere the bracket to the bulkhead.

Note: Mount the telematics bracket just below the cross bar.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

5 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 telematics bracket
2 telematics module
3 retaining fasteners

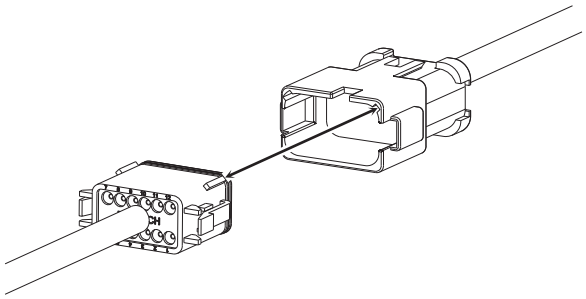
6 Connect the telematics module to the retrofit harness.

Genie part number 1293476GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

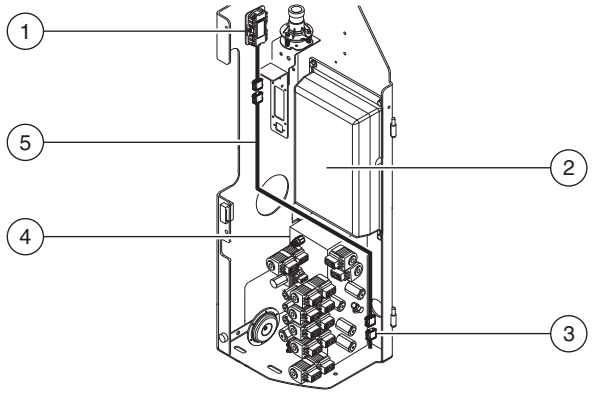
Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Procedure - S® and Z® Booms

7 Route the retrofit harness down the bulkhead, between the terminal strip cover and the function manifold. Connect the loose end of the harness to the 8 pin connector located on the right side of the function manifold.




1 telematics module
2 terminal strip cover
3 connector, 8 pin
4 function manifold
5 retrofit harness

8 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

9 Locate the machine serial label.

10 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

11 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

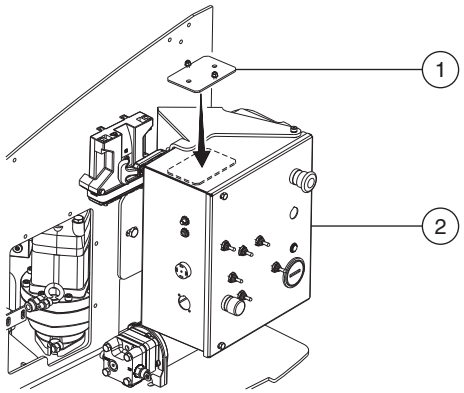
## Z-33/18

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z331815M-124 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

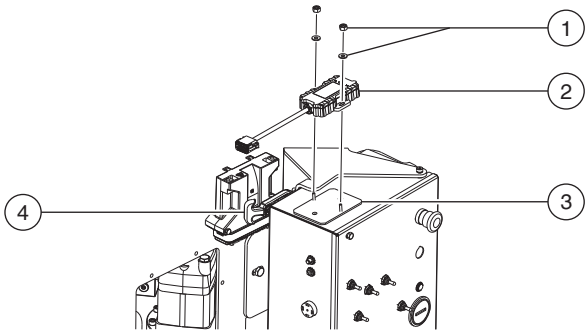
3 Adhere the bracket to the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

# Procedure - S® and Z® Booms

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket
4 control box latch

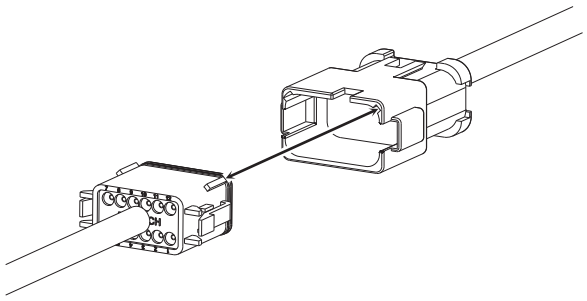
5 Disconnect the control box latch securing the ground control box. Pull the control box away from the machine to access the connectors located on the back of the box.

6 Connect the telematics module to the retrofit harness.

Genie part number 1293414GT.

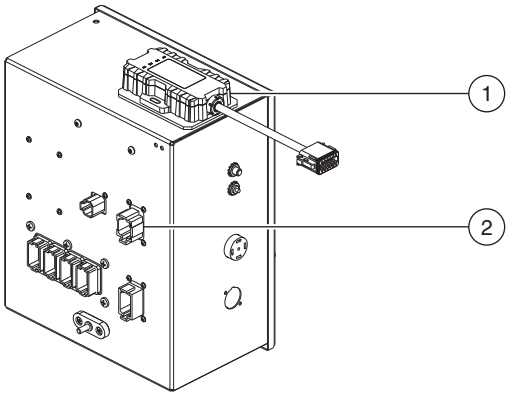
Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

7 Connect the loose end of the retrofit harness to the 8 pin connector located on the back of the control box.




1 telematics module
2 connector, 8 pin

8 Turn the key switch to ground control and pull out the red Emergency Stop button to the on position.

⊙ Result: The LED is blinking on the retrofit harness. The retrofit harness is working properly.

⊠ Result: The LED is on solid. Check harness connections or replace the retrofit harness.

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

10 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

11 Push the control box towards the machine and secure it with the control box latch.

12 Locate the machine serial label.

13 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

14 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

# Procedure - S® and Z® Booms

### Updating the Machine Software

**Note: The Plus+1 Service Tool must be installed on your computer.**

Note: Updating with the Plus+1 Service Tool requires a programming cable and programming harness. Available through Genie Parts Department.

Genie part numbers 1267881GT, 110803GT.

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and print or save the **Software Update** instructions.

3 Follow the installation instructions to update the machine software.

4 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## Z-34/22 DC, Z-34/22N

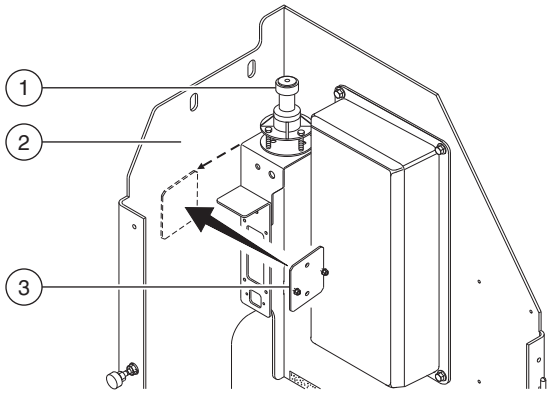
This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z3415-10371 |
| Z34N15-11814 to Z34NF-15529 |
| Z3415D-101 to Z34ND-1147 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Open the turntable cover on the ground control side of the machine.

2 Using a mild cleaning solvent, clean the area of the bulkhead where the telematics device will be mounted.




1 level sensor
2 bulkhead
3 telematics bracket

3 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

4 Adhere the bracket to the bulkhead.

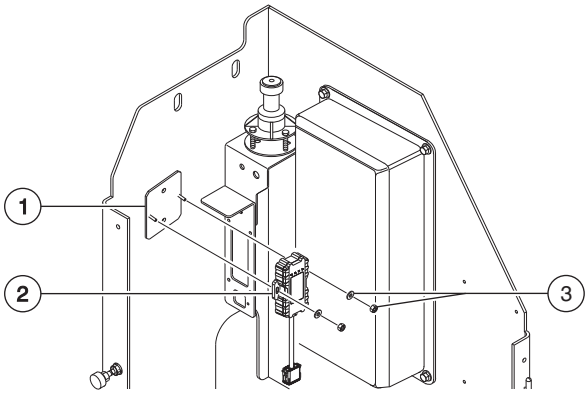
Note: Mount the bracket so the top is the same height as the level sensor mounting bracket.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

# Procedure - S® and Z® Booms

5 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.



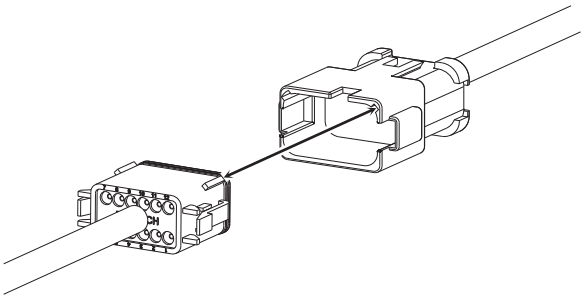

1 telematics bracket
2 telematics module
3 retaining fasteners

6 Connect the telematics module to the retrofit harness.

Genie part number 1293476GT.

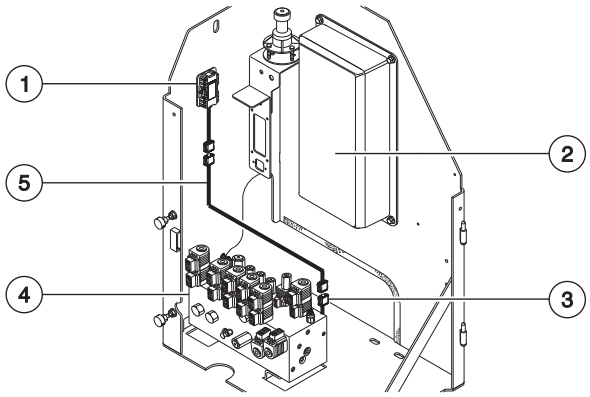
Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

7 Route the retrofit harness down the bulkhead and behind the function manifold. Connect the loose end of the harness to the 8 pin connector located behind the right side of the function manifold.




1 telematics module
2 terminal strip cover
3 connector, 8 pin
4 function manifold
5 retrofit harness

8 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

9 Locate the machine serial label.

10 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

11 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# Procedure - S® and Z® Booms

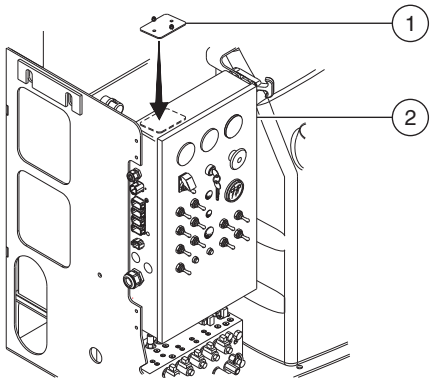
## Z-34/22 IC, Z-34/22 Bi-energy

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z3415-10384 |
| Z3415D-101 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

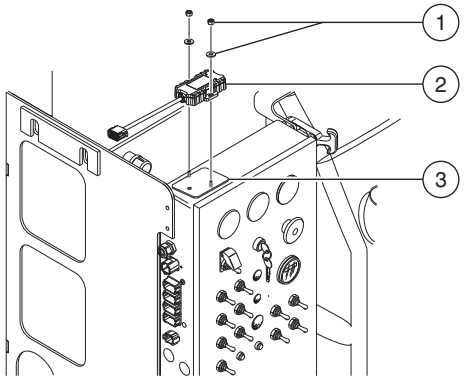
3 Adhere the bracket to the control box.

Note: Mount the bracket on the left side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.



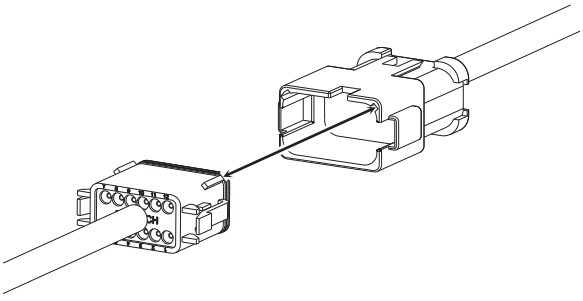

1 retaining fasteners
2 telematics module
3 telematics bracket

5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

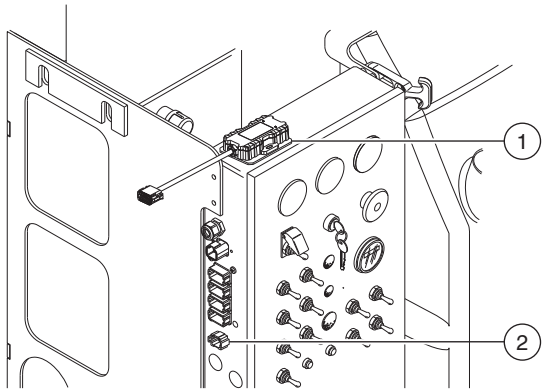
**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Procedure - S® and Z® Booms

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the left side of the control box.




1 telematics module
2 connector, 8 pin

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

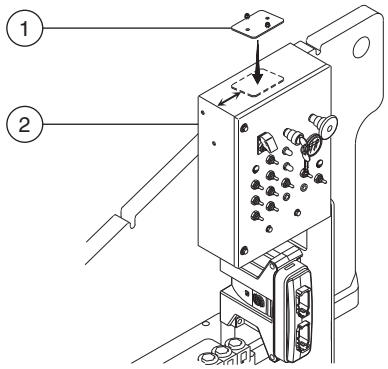
## Z-40/23

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z40N15-2779 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

3 Adhere the bracket to the control box.

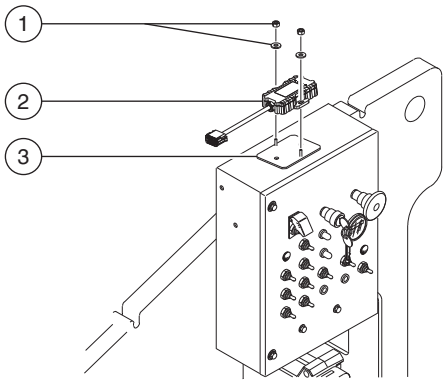
Note: Mount the bracket 2 inches / 5 cm from the left side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

# Procedure - S® and Z® Booms

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket
4 control box latch

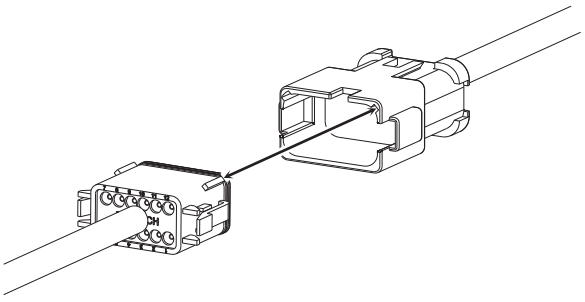
5 Connect the telematics module to the retrofit harness.

Genie part number 1293414GT.

Note: Harness connectors are keyed for proper installation.

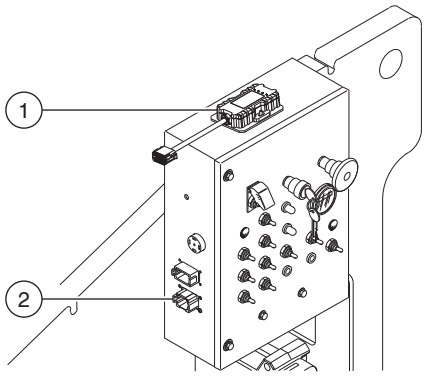
**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

6 Remove the terminal lock from the 8 pin connector and set aside.




1 telematics module
2 connector, 8 pin

7 Open the ground control box.

8 Remove and discard the white plug from terminal 4 of the 8 pin connector.

9 Install the pin terminal of the FS harness into terminal 4. Install the terminal lock set aside.

Genie part number 1294588GT.

10 Connect the loose end of the wire to the center terminal of the function enable toggle switch.

11 Route the wire over the top of the terminal strip inside the control box and secure with cable ties.

12 Close the ground control box.

13 Connect the loose end of the retrofit harness to the 8 pin connector located on the left side of the control box.

14 Turn the key switch to ground control and pull out the red Emergency Stop button to the on position.

⊙ Result: The LED is blinking on the retrofit harness. The retrofit harness is working properly.

⊠ Result: The LED is on solid. Check harness connections or replace the retrofit harness.

# Procedure - S® and Z® Booms

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

16 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

17 Locate the machine serial label.

18 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

19 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

### Updating the Machine Software

**Note: The Plus+1 Service Tool must be installed on your computer.**

Note: Updating with the Plus+1 Service Tool requires a programming cable and programming harness. Available through Genie Parts Department.

Genie part numbers 1267881GT, 110803GT.

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and save the **.lhx** file for **Controller ID PCON** and **TCON** to your desktop.

3 Update the machine software.

4 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

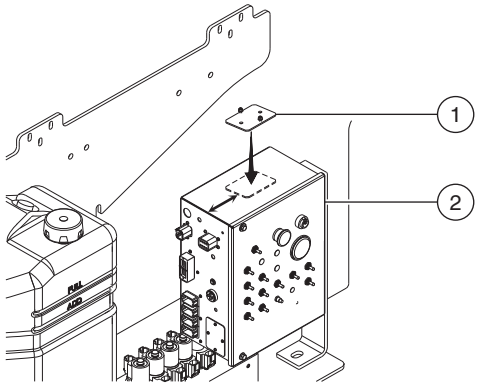
## Z-45/25 DC, Z-45/25 Bi-energy

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z452515A-53271 to Z4525F-61471 |
| Z452515B-4735 |
| Z452515D-327 |
| Z452515M-5453 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

3 Adhere the bracket to the control box.

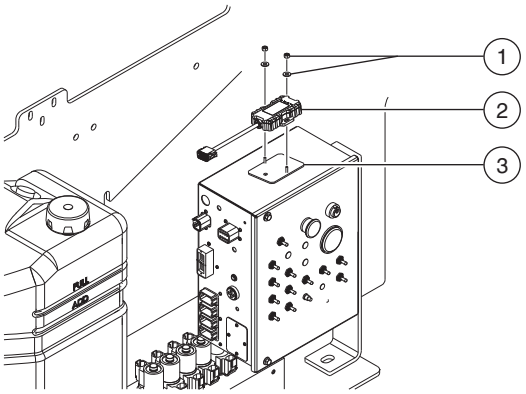
Note: Mount the bracket 6 inches / 15 cm from the left side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

# Procedure - S® and Z® Booms

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.



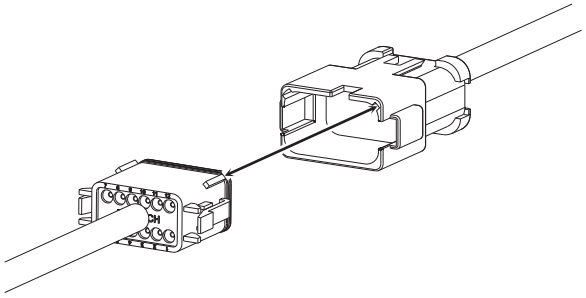

1 retaining fasteners
2 telematics module
3 telematics bracket

5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

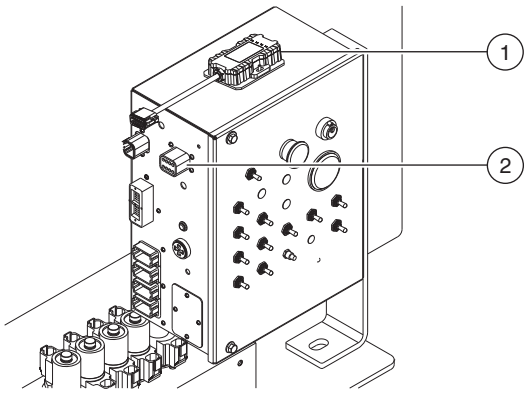
Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the left side of the control box.




1 telematics module
2 connector, 8 pin

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation, *Register and Activate the Telematics Module*.**

# Procedure - S® and Z® Booms

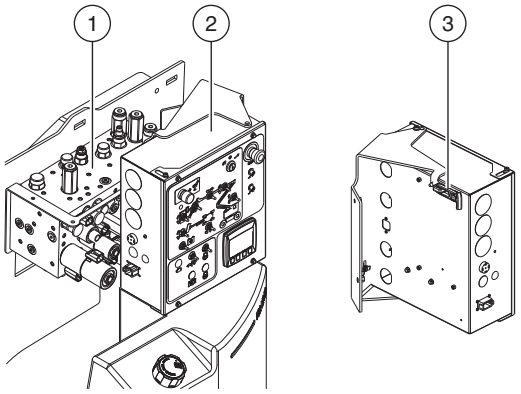
## Z-45/25 IC, Z-51/30

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z452515A-53160 to Z4525F-61206 |
| Z452515B-4451 |
| Z452515D-327 |
| Z452516M-5453 |
| Z513015B-1352 |

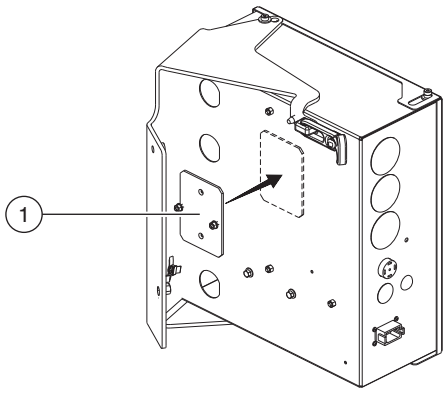
Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Release the ground control box latch and pull it away from the function manifold.




1 function manifold
2 ground control box
3 latch

2 Using a mild cleaning solvent, clean the back of the ground control box.




1 telematics bracket

3 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

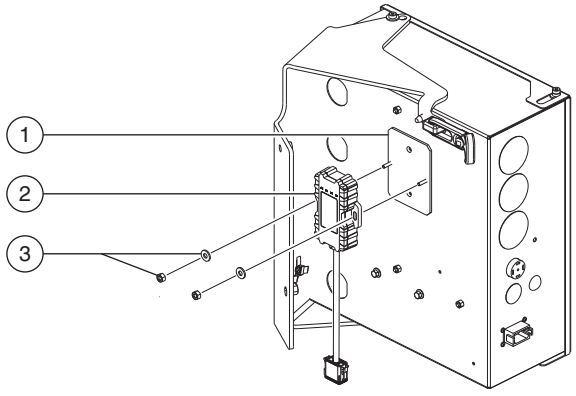
Genie part number 1289561GT.

4 Adhere the bracket to the back of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

5 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 telematics bracket
2 telematics module
3 retaining fasteners

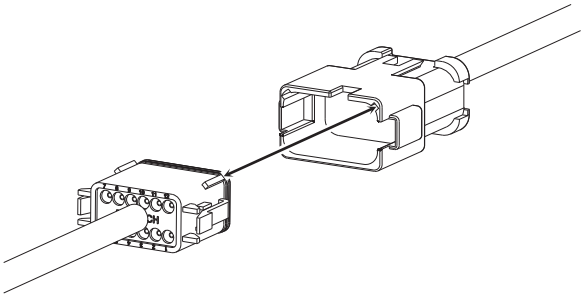
# Procedure - S® and Z® Booms

6 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

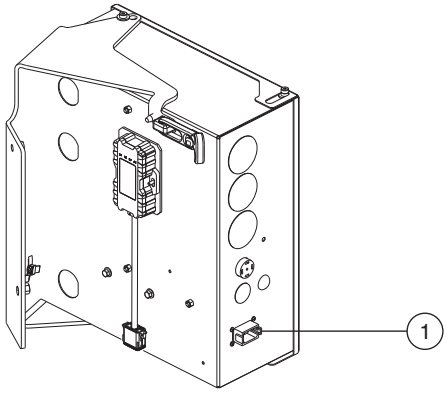
Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



7 example of keyed harness connector

8 Connect the loose end of the retrofit harness to the 8 pin connector located on the left side of the control box.




1 connector, 8 pin

9 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

10 Locate the machine serial label.

11 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

12 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# Procedure - S® and Z® Booms

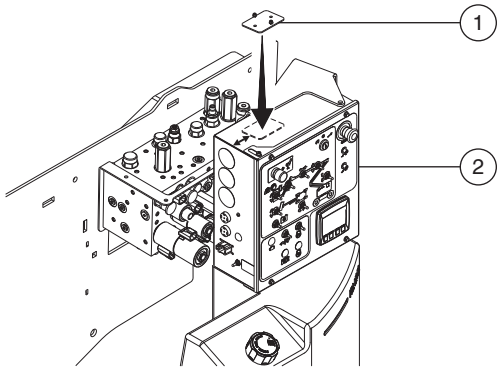
## Z-45 XC

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z4525XCF-101 to Z45XCF-407 |
| Z4525XCM-101 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

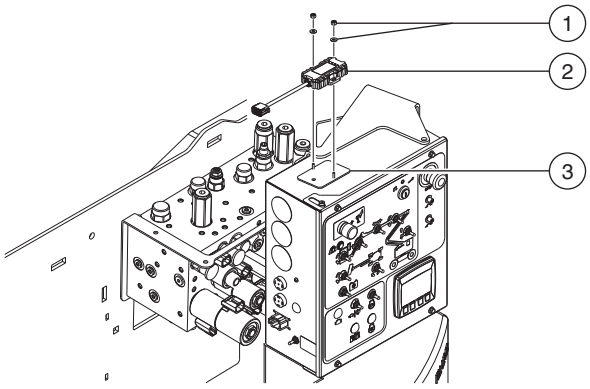
3 Adhere the bracket to the control box.

Note: Mount the bracket 1 inch / 2,5 cm from the left side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

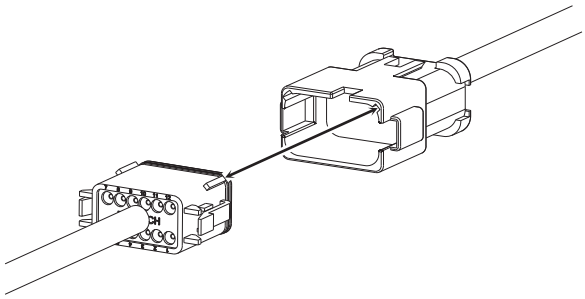
5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

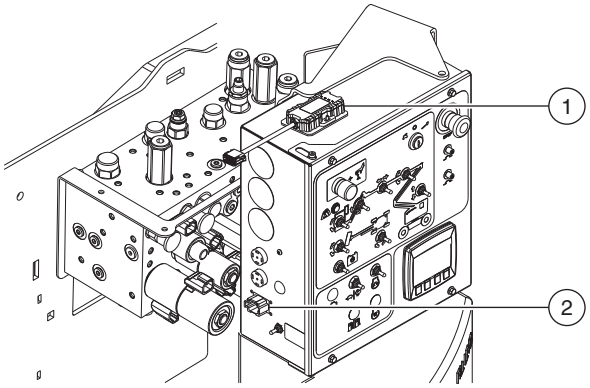
Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Procedure - S® and Z® Booms

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the left side of the control box.




1 telematics module
2 connector, 8 pin

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## Z-60/37 DC, Z-60/37 FE

This procedure only applies to the following serial numbers listed below.

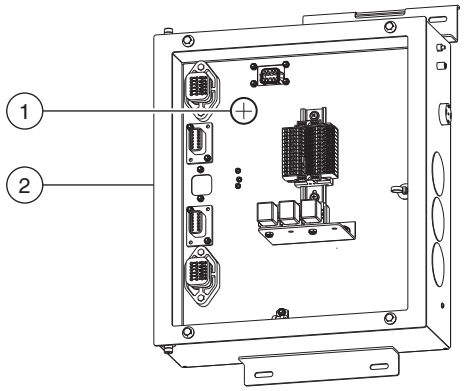
| from serial number |
|---|
| Z6016N-101 to Z60H-2192 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Open the ground control box.

2 Drill and deburr a 7/8 inch / 22 mm hole near the top left corner of the ground control box.

Note: Use cable ties to secure any wires and harnesses away from the area being drilled.

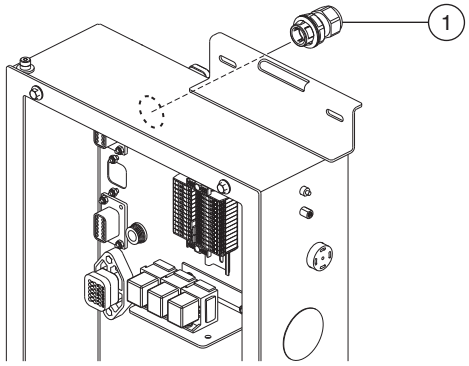



1 hole location
2 ground control box

# Procedure - S® and Z® Booms

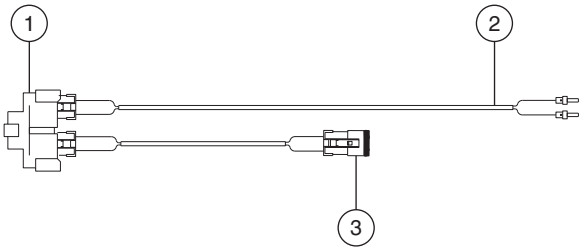
3 Install the cable restraint provided with the harness kit.

Genie part number 1287081GT.




1 locknut
2 cable restraint

4 Route the pin terminals of the CAN BUS harness into the ground control box through the cable restraint.




CAN BUS harness connections

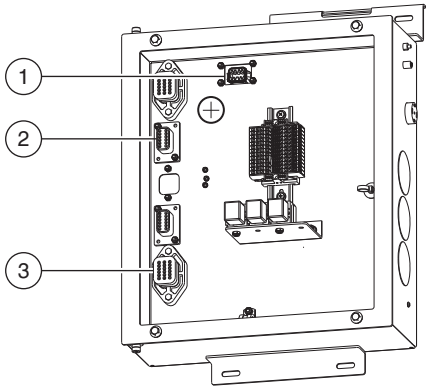
1 CAN-0 service connector
2 connector, 8 pin
3 CAN-0 service connector cap

5 Inside the control box, remove the green and yellow wires from terminals 7 and 8 of the 8 pin connector.

Note: Secure the wires to the harness using electrical tape.

**NOTICE**

Component damage hazard. Do not allow the pin terminals to make contact with each other.

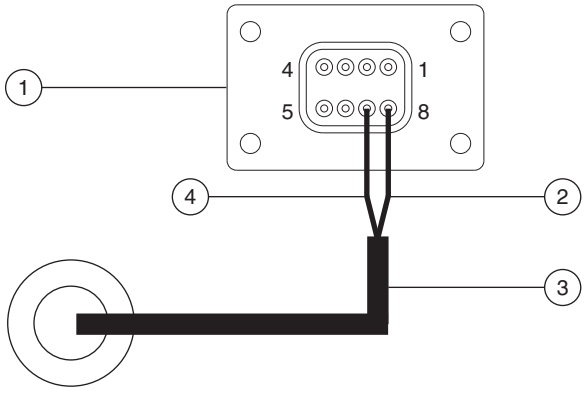



1 connector, 8 pin
2 connector, C4
3 connector, C3

6 Connect the CAN BUS harness into the 8 pin connector.

Yellow - terminal 7

Green - terminal 8




1 connector, 8 pin
2 Yellow
3 Green

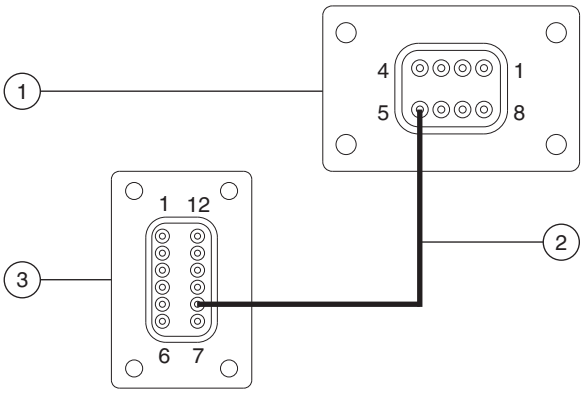
# Procedure - S® and Z® Booms

7 Pull any excess harness out of the control box and tighten the cable restraint.

8 Disconnect the harnesses behind the control box from connectors C3 and C4.

9 Connect the red FS harness to terminal 5 of the 8 pin connector. Connect the loose end of the harness to terminal 8 of the C4 connector.

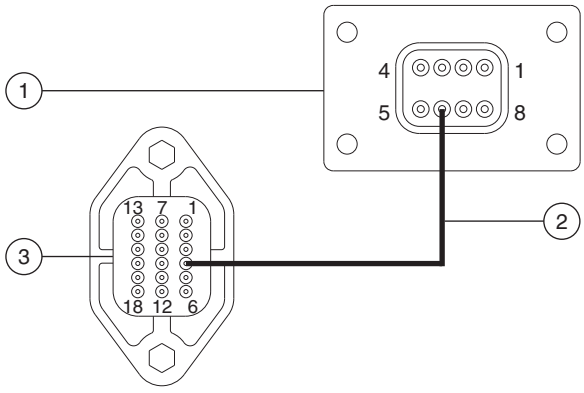
Genie part number 1297459GT.




1 connector, 8 pin
2 Red
3 connector, C4

10 Connect the red TEL harness to terminal 6 of the 8 pin connector. Connect the loose end of the harness to terminal 4 of the C3 connector.

Genie part number 1297460GT.



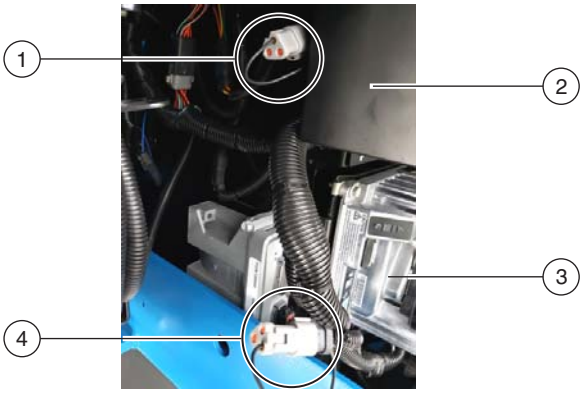

1 connector, 8 pin
2 Blue
3 connector, C3

11 Connect the harnesses to connectors C3 and C4.

12 Secure the harnesses in the control box using cable ties.

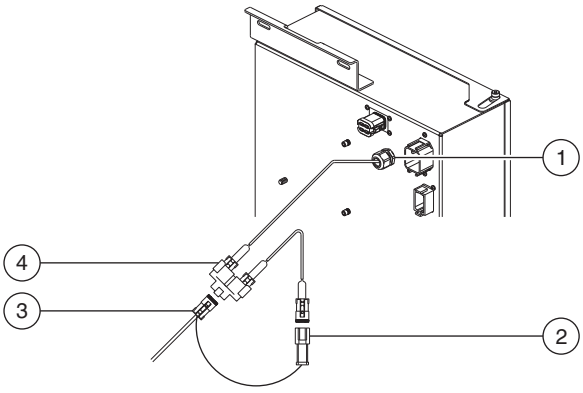
13 Close the ground control box.

14 Locate the CAN-0 connector behind the ground control box and disconnect the cap.




1 connector, CAN-0
2 ground control box
3 battery charger
4 connector, CAN-1

15 Connect the 3 way connector of the CAN BUS harness to the CAN-0 connector.

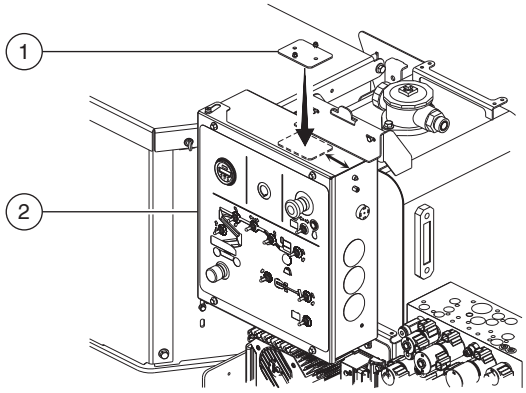



1 cable restraint
2 connector, CAN-0 cap
3 connector, CAN-0
4 connector, 3 way

# Procedure - S® and Z® Booms

16 Connect the loose end of the CAN BUS harness to the CAN-0 cap.

17 Using a mild cleaning solvent, clean the top of the ground control box.




1 telematics bracket
2 ground control box

18 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

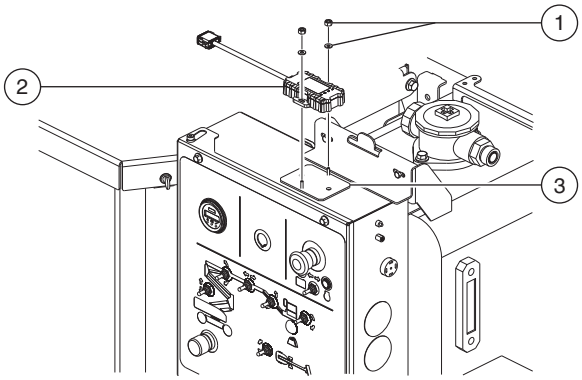
19 Adhere the bracket to the control box.

Note: Mount the bracket 2 inches / 5 cm from the right side of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

20 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

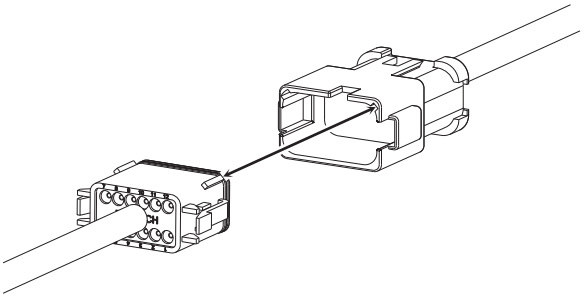
21 Connect the telematics module to the retrofit harness.

Genie part number 1293414GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

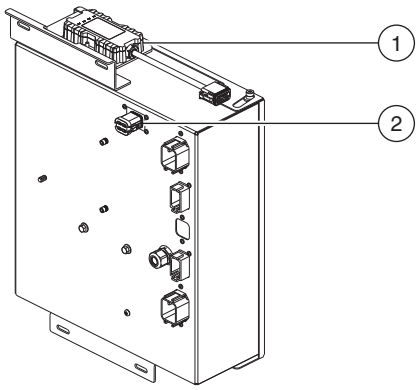
Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Procedure - S® and Z® Booms

22 Connect the loose end of the retrofit harness to the 8 pin connector located on the back of the control box.




1 telematics module
2 connector, 8 pin

23 Turn the key switch to ground control and pull out the red Emergency Stop button to the on position.

⊙ Result: The LED is blinking on the retrofit harness. The retrofit harness is working properly.

⊠ Result: The LED is on solid. Check harness connections or replace the retrofit harness.

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

25 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

26 Locate the machine serial label.

27 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

28 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

## Updating the Machine Software

**Note: The Plus+1 Service Tool must be installed on your computer.**

Note: Updating with the Plus+1 Service Tool requires a programming cable and programming harness. Available through Genie Parts Department.

Genie part numbers 1267881GT, 110803GT.

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** for **Controller ID TCON** and print or save the **Software Update** instructions.Update the machine software.

3 Under **Application Firmware**, open the **Firmware File** for **Controller ID BATTERY CHARGER** and print or save the Software Update instructions.

4 Follow the installation instructions to update the machine and battery charger software.

5 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation, *Register and Activate the Telematics Module*.**

# Procedure - S® and Z® Booms

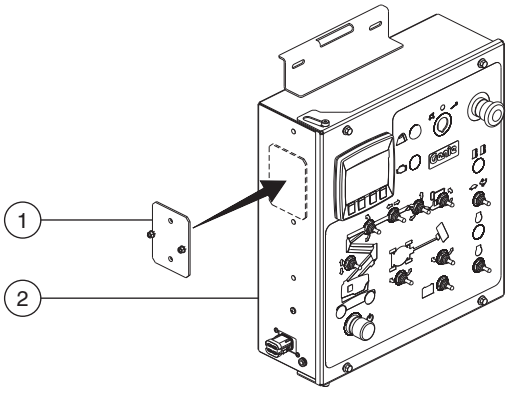
## Z-62/40

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| Z6215A-101 to Z62H-4366 |
| Z6216D-101 |
| Z6216M-101 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Using a mild cleaning solvent, clean the left side of the ground control box.




1 telematics bracket
2 ground control box

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

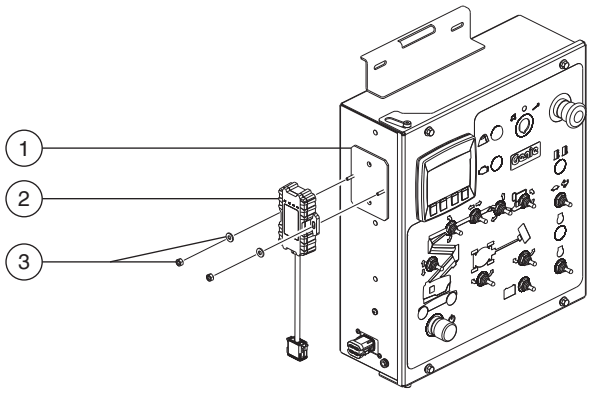
3 Adhere the bracket to the control box.

Note: Mount the bracket 1.125 inch / 2,86 cm from the top of the control box.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 12829522GT or 1289523GT.



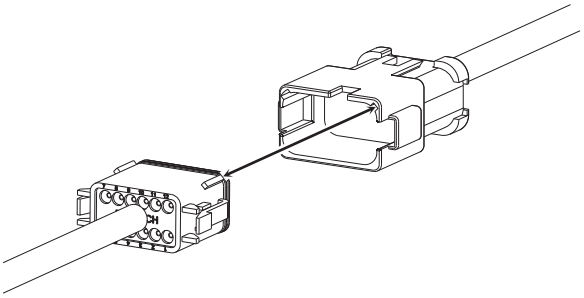

1 telematics bracket
2 telematics module
3 retaining fasteners

5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

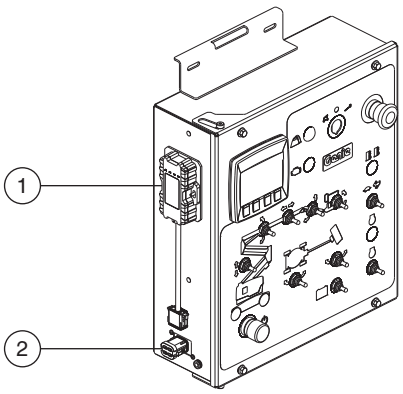
**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Procedure - S® and Z® Booms

6 Connect the loose end of the retrofit harness to the 8 pin connector located on the left side of the control box.




1 telematics module
2 connector, 8 pin

7 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# GR™ and QS™ Models

## GR-12, GR-15, GR-20, GRC-12, QS-12R, QS-15R, QS-20R, QS-12W, QS-15W, QS-20W

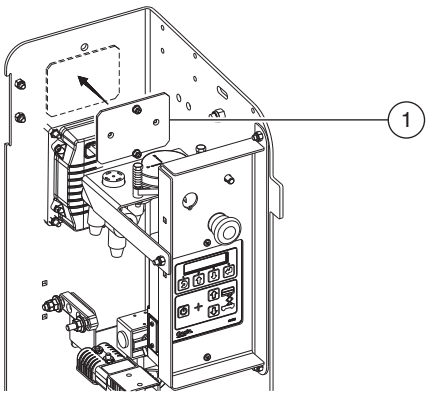
This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| GR14-30931 to GRP-56587 |
| GRC14-1781 |
| QS14-1653 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position.

1 Open the ground control compartment.

2 Using a mild cleaning solvent, clean the area of the bulkhead where the telematics device will be mounted.




1 telematics bracket

3 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

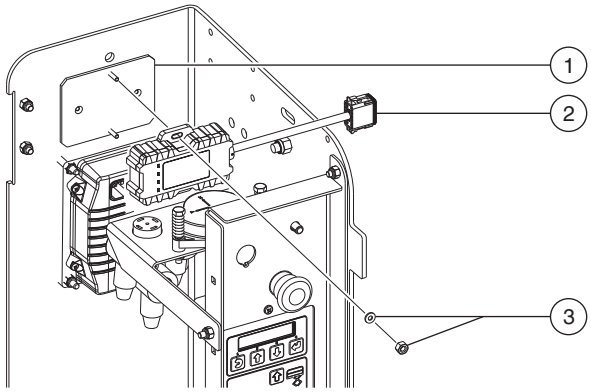
Genie part number 1289561GT.

4 Adhere the bracket to the bulkhead.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

5 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 telematics bracket
2 telematics module
3 retaining fasteners

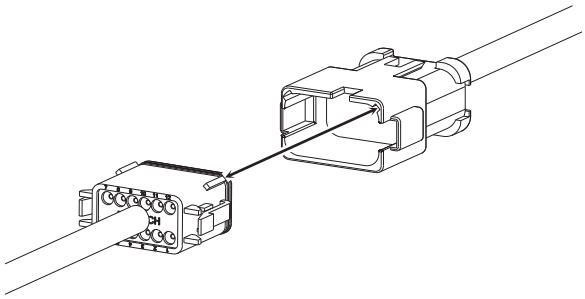
6 Connect the gateway harness to the telematics module.

Genie part number 1289899GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# GR™ and QS™ Models

7 Route the harness towards the back of the ground controls.

8 Connect the loose end of the gateway harness to the 8 pin connector located near the back of the ground controls.

9 Turn the key switch to ground control and pull out the red Emergency Stop button to the on position.

⊙ Result: The LED is blinking on the retrofit harness. The retrofit harness is working properly.

⊠ Result: The LED is on solid. Check harness connections or replace the retrofit harness.

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

11 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

12 Locate the machine serial label.

13 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

14 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

### Updating the Machine Software

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and print or save the **Software Update** instructions.

3 Follow the installation instructions to update the machine software.

4 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## GS-1330m, GS-1530, GS-1532, GS-1930, GS-1932

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| GS3014A-134509 to GS30P-187015 |
| GS3015C-17993 |
| GS30MD-101 to GS30MD-680 |
| GS3015D-2588 to GS30D-27937 |

Note: Perform this procedure on a firm, level surface.

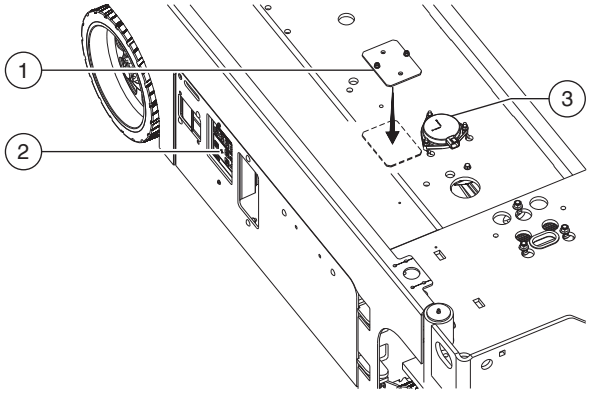
1 Raise the platform 7 to 8 feet / 2,1 to 2,4 m.

2 Lift the safety arm, move it to the center of the scissor arm and rotate down to a vertical position.

3 Lower the platform onto the safety arm.

4 Turn the key switch to the off position.

5 Using a mild cleaning solvent, clean the top of the drive chassis next to the level sensor.




1 telematics bracket
2 ground controls compartment
3 level sensor

6 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

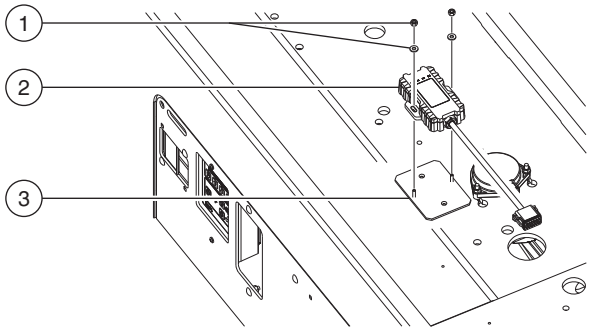
Genie part number 1289561GT.

7 Adhere the bracket to the top of the chassis.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

8 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.



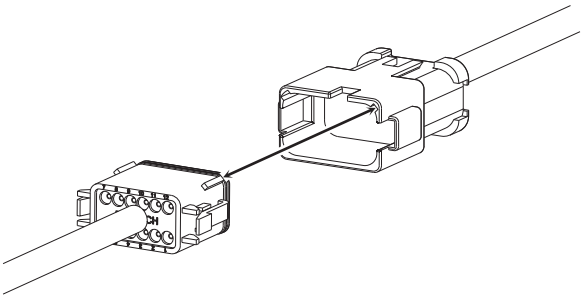

1 retaining fasteners
2 telematics module
3 telematics bracket

9 Connect the gateway harness to the telematics module.

Genie part number 1289899GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.

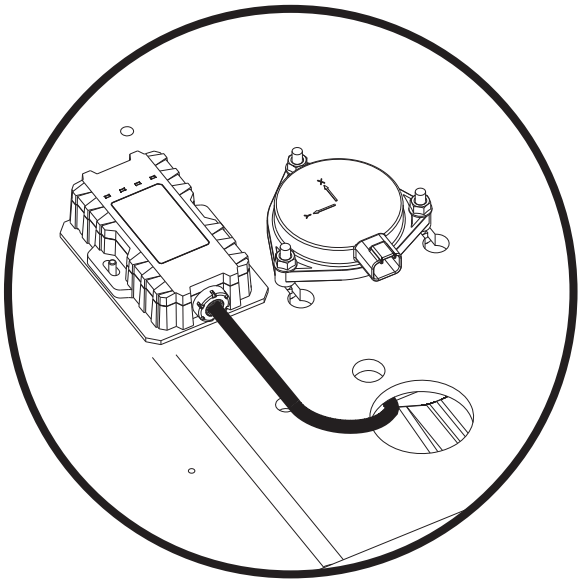


example of keyed harness connector

# GS™ Models

10 Open the ground control compartment.

11 Route the harness through the access hole in the chassis and into the ground controls compartment.



12 Connect the loose end of the gateway harness to the 8 pin connector located near the back of the ground controls.

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

⊙ Result: The LED is blinking on the retrofit harness. The retrofit harness is working properly.

⊠ Result: The LED is on solid. Check harness connections or replace the retrofit harness.

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

15 Secure the harness to the existing cables using the provided cable ties.

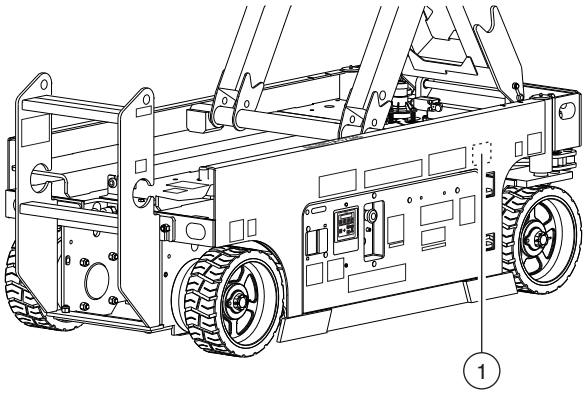
Genie part number 21121GT.

16 Raise the platform and rotate the safety arm to the stowed position.

17 Locate the machine serial label.

18 Using a mild cleaning solvent, clean an area on the ground controls side of the drive chassis. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.




1 decal location

19 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

20 Lower the machine to the stowed position.

### Updating the Machine Software

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and print or save the **Software Update** instructions.

3 Follow the installation instructions to update the machine software.

4 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## GS-2032, GS-2632, GS-3232, GS-2046, GS-2646, GS2646 AV, GS-3246, GS-4047

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| GS3214A-120635 to GS32P-166229 |
| GS3215C-14336 |
| GS4614A-118307 to GS46P-148134 |
| GS4615C-14486 |
| GS4615D-2217 to GS46D-15562 |
| GS4715C-2072 |
| GS4715D-1106 |
| GS4716P-101 to GS47P-3309 |

Note: Perform this procedure on a firm, level surface.

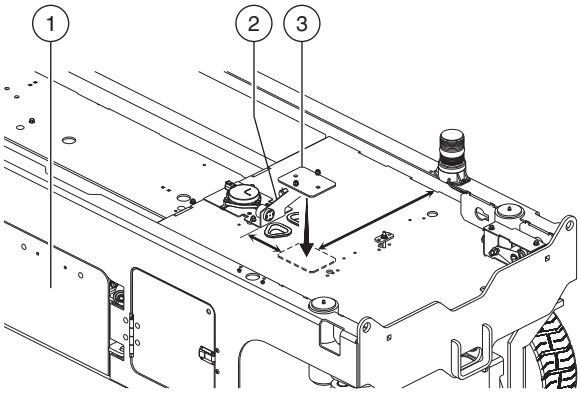
1 Raise the platform 7 to 8 feet / 2,1 to 2,4 m.

2 Lift the safety arm, move it to the center of the scissor arm and rotate down to a vertical position.

3 Lower the platform onto the safety arm.

4 Turn the key switch to the off position.

5 Using a mild cleaning solvent, clean the top of the drive chassis next to the level sensor.




1 ground controls compartment
2 level sensor bracket
3 telematics bracket

6 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

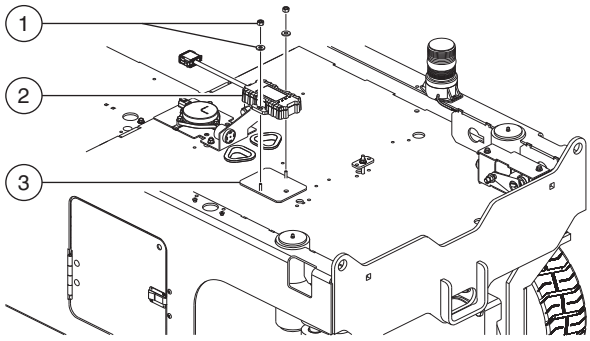
7 Adhere the bracket to the top of the chassis.

Note: Mount the bracket 4.25 inches / 10,8 cm from the level sensor bracket and 20.5 inches / 52 cm from the inside edge of the chassis.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

8 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

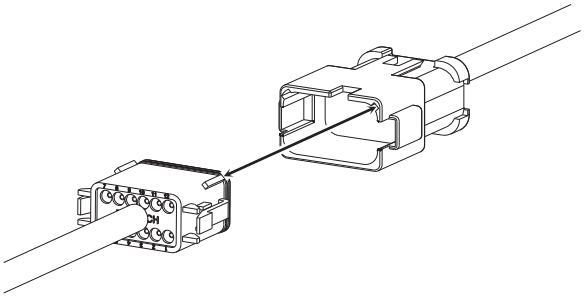
# GS™ Models

9 Connect the gateway harness to the telematics module.

Genie part number 1289899GT.

Note: Harness connectors are keyed for proper installation.

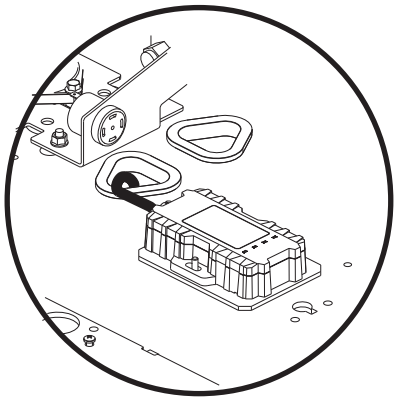
**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

10 Open the ground control compartment.

11 Route the harness through the access hole in the chassis and into the ground controls compartment.



12 Connect the loose end of the gateway harness to the 8 pin connector located near the back of the ground controls.

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

⊙ Result: The LED is blinking on the retrofit harness. The retrofit harness is working properly.

⊠ Result: The LED is on solid. Check harness connections or replace the retrofit harness.

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

15 Secure the harness to the existing cables using the provided cable ties.

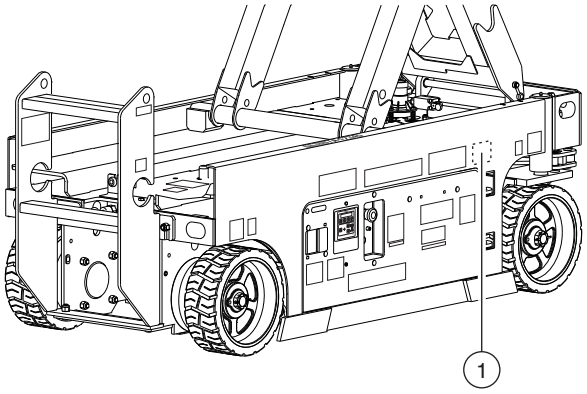
Genie part number 21121GT.

16 Raise the platform and rotate the safety arm to the stowed position.

17 Locate the machine serial label.

18 Using a mild cleaning solvent, clean an area on the ground controls side of the drive chassis. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.




1 decal location

19 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

20 Lower the machine to the stowed position.

# GS™ Models

### Updating the Machine Software

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and print or save the **Software Update** instructions.

3 Follow the installation instructions to update the machine software.

4 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## GS-2669, GS-3369, GS-4069 (DC and Bi-Energy Models)

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| GS6914-5500 |

Note: Perform this procedure on a firm, level surface.

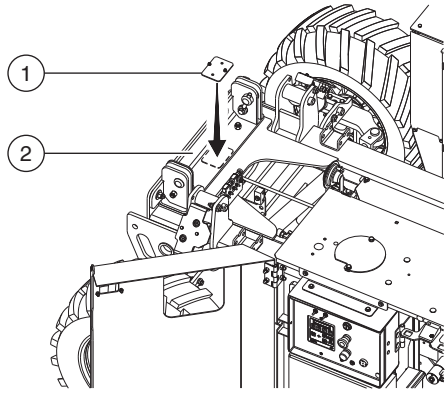
1 Raise the platform 7 to 8 feet / 2,1 to 2,4 m.

2 Lift the safety arm, move it to the center of the scissor arm and rotate down to a vertical position.

3 Lower the platform onto the safety arm.

4 Turn the key switch to the off position.

5 Using a mild cleaning solvent, clean the top of the pivot link located at the steer end of the machine.




1 telematics bracket
2 pivot link

6 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

# GS™ Models

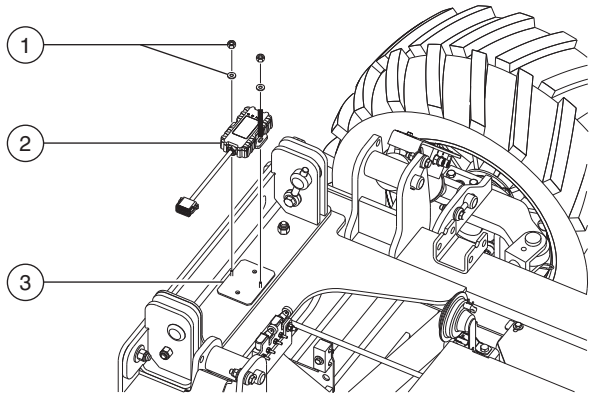
7 Adhere the bracket to the top of the pivot link.

Note: Mount the bracket in the center of the pivot link.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

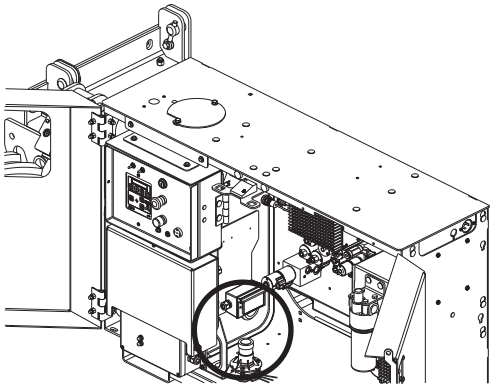
8 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

9 Open the ground controls compartment and locate the 8 pin connector behind the ground control box.

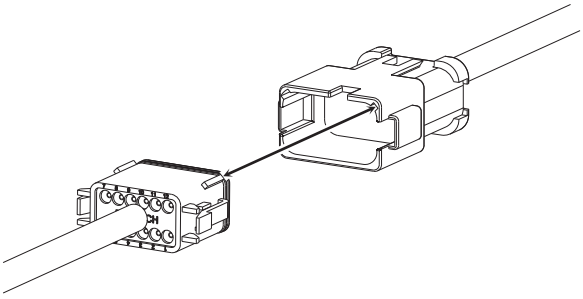


10 Connect the gateway harness to the 8 pin connector.

Genie part number 1289899GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



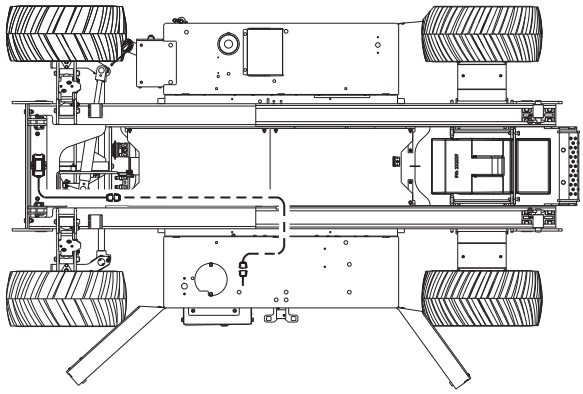
example of keyed harness connector

11 Connect the pin switch jumper to the gateway harness.

Genie part number 1293512GT.

12 Route the harness through the access hole under the function manifold and towards the front of the machine.

Note: The front chassis cover can be removed if extra space is required to route the harness.



13 Connect the telematics module to the pin switch harness.

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

⊙ Result: The LED is blinking on the retrofit harness. The retrofit harness is working properly.

⊠ Result: The LED is on solid. Check harness connections or replace the retrofit harness.

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

16 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

17 Raise the platform and rotate the safety arm to the stowed position.

18 Lower the machine to the stowed position.

19 Locate the machine serial label.

20 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

21 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

### Updating the Machine Software

1 Go to the Genie Firmware site. From the drop down menu, select the model that is appropriate for your machine.

https://www.genielift.com/en/support/firmware

2 Under **Application Firmware**, open the **Firmware File** and print or save the **Software Update** instructions.

3 Follow the installation instructions to update the machine software.

4 After the software is updated, navigate to the Options menu on the machine and verify that Lift Connect (Telematics) is enabled.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# GS™ Models

## GS-2669, GS-3369, GS-4069 (RT Models)

This procedure only applies to the following serial numbers listed below.

| from serial number |
| --- |
| GS6914-6019 to GS69F-16542 |

Note: Perform this procedure on a firm, level surface.

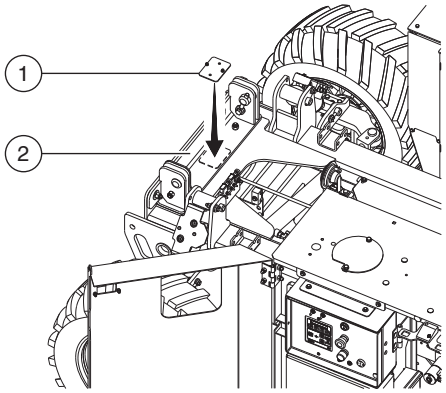
1 Raise the platform 7 to 8 feet / 2,1 to 2,4 m.

2 Lift the safety arm, move it to the center of the scissor arm and rotate down to a vertical position.

3 Lower the platform onto the safety arm.

4 Turn the key switch to the off position.

5 Using a mild cleaning solvent, clean the top of the pivot link located at the steer end of the machine.




1 telematics bracket
2 pivot link

6 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

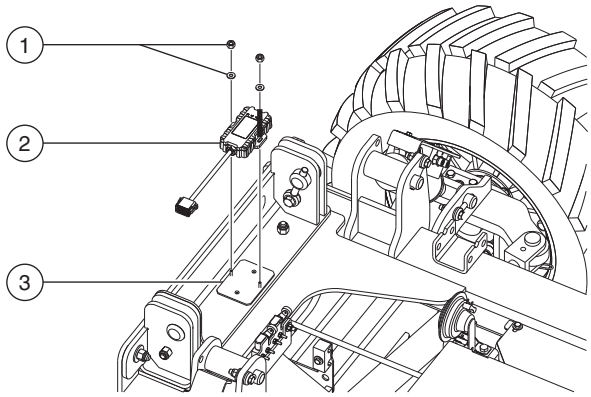
7 Adhere the bracket to the top of the pivot link.

Note: Mount the bracket in the center of the pivot link.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

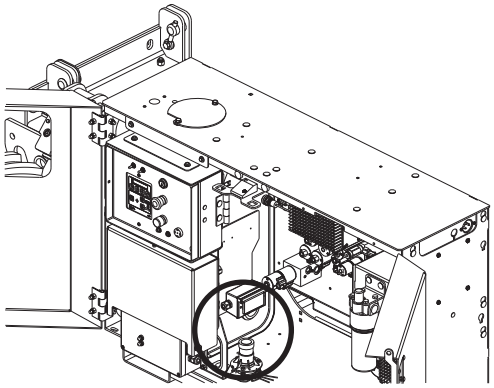
8 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

9 Open the ground controls compartment and locate the 8 pin connector behind the ground control box.

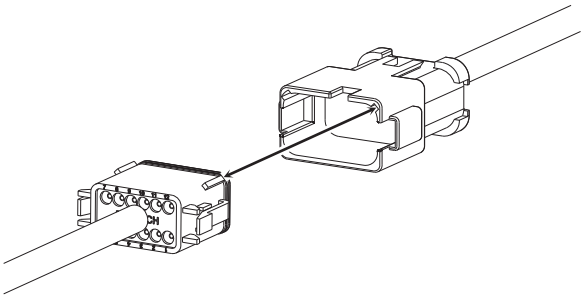


10 Connect the retrofit harness to the 8 pin connector.

Genie part number 1293652GT.

Note: Harness connectors are keyed for proper installation.

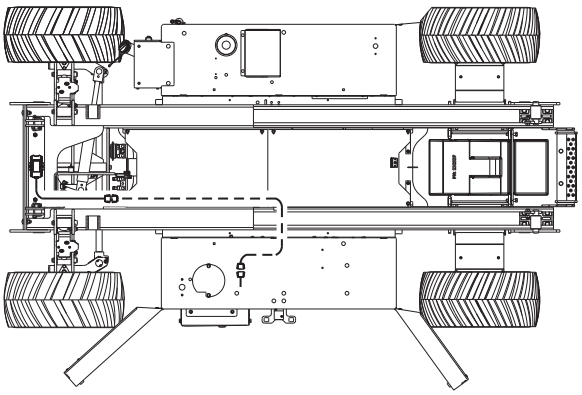
**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

11 Route the harness through the access hole under the function manifold and towards the front of the machine.

Note: The front chassis cover can be removed if extra space is required to route the harness.



12 Connect the telematics module to the retrofit harness.

13 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

14 Raise the platform and rotate the safety arm to the stowed position.

15 Lower the machine to the stowed position.

16 Locate the machine serial label.

17 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

18 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# GS™ Models

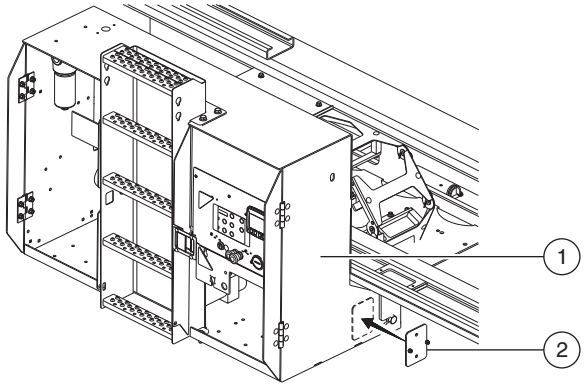
## GS-3384, GS-3390, GS-4390, GS-5390

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| GS8415-42308 to GS84F-45671 |
| GS84D-101 |
| GS9015-50207 to GS90F-54948 |
| GS90D-101 |

Note: Perform this procedure on a firm, level surface.

1 Using a mild cleaning solvent, clean the right side of the ground controls compartment.




1 ground controls compartment
2 telematics bracket

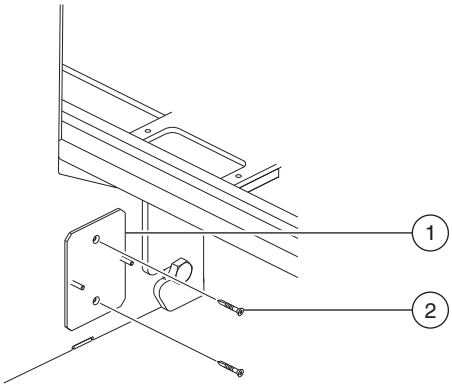
2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

3 Adhere the bracket to the side of the ground controls compartment.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

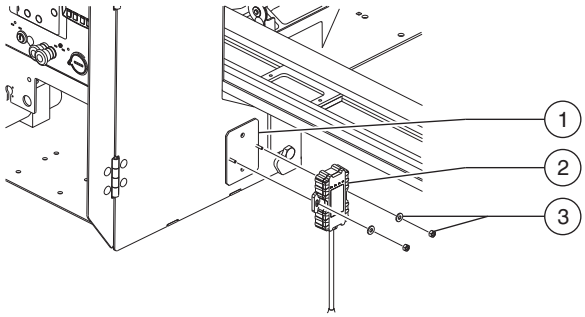
**Recommended: Secure the telematics bracket to the compartment using 8-32 x 3/4, FH, phillips, 82° self drilling screws.**




1 telematics bracket
2 self drilling screw

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

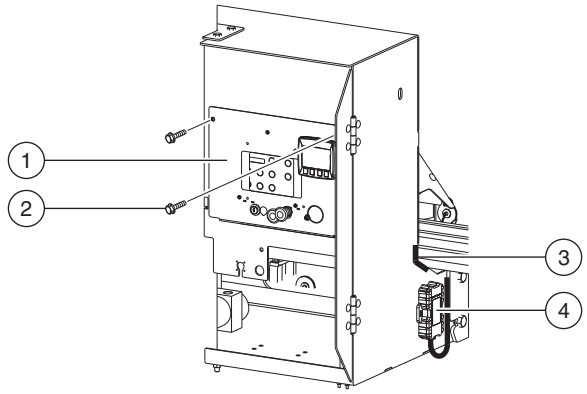
Genie part number 1289520GT or 1289521GT.




1 telematics bracket
2 telematics module
3 retaining fasteners

5 Install the provided trim lock in the corner of the ground controls compartment.

Genie part number 46718GT.

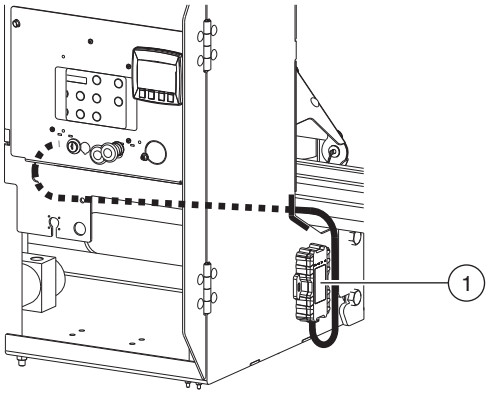



1 ground control panel
2 retaining fasteners
3 trim lock
4 telematics module

6 Route the telematics module harness into the ground controls compartment next to the trim lock.

7 Remove the retaining fasteners securing the ground control panel and set aside.

8 Open the ground control panel and locate the 8 pin connector inside the ground control box.



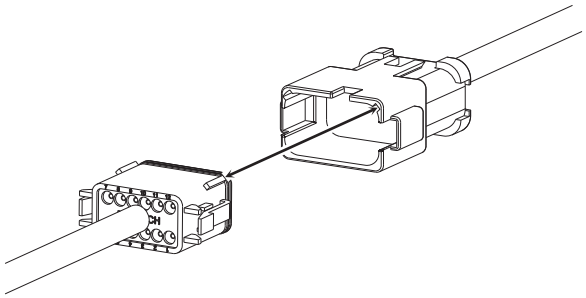

9 Connect the retrofit harness to the 8 pin connector.

Genie part number 1293896GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

10 Route the loose end of the retrofit harness out of the control box with the existing harnesses.

Note: The access hole is located in the back, left side of the control box.

11 Connect the telematics module to the retrofit harness.

12 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

13 Close the ground control panel.

# GS™ Models

14 Locate the machine serial label.

15 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

16 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# GTH™ Models

## GTH-636, GTH-844, GTH-1056

This procedure only applies to the following serial numbers listed below.

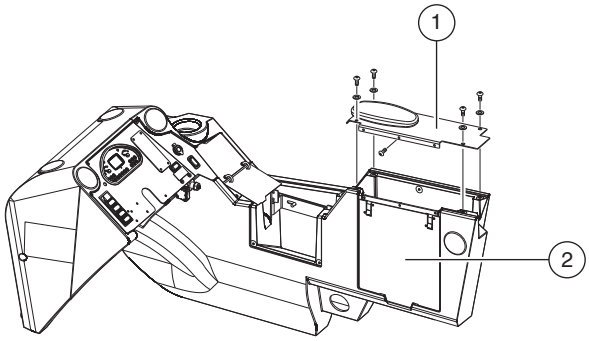
| from serial number |
|---|
| GTH0614H-10001 |
| GTH0814H-20279 |
| GTH1015E-10298 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position and the wheels chocked.

1 Locate and disconnect the black negative battery cable from the engine battery.

**⚠WARNING** Electrocution/burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

2 Remove the PCB assembly access panel and set aside.




1 armrest assembly
2 PCB assembly access panel

3 Remove the retaining fasteners securing the armrest mounting plate and set aside.

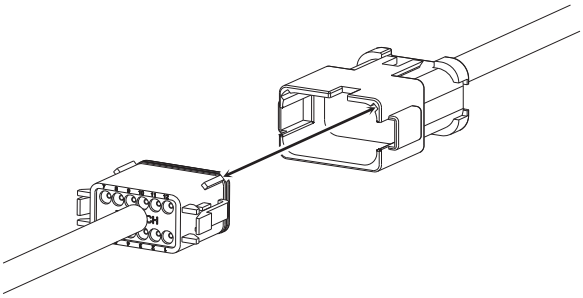
4 Remove the armrest assembly and set aside.

5 Connect the retrofit harness to the 8 pin connector located behind the PCB mounting plate.

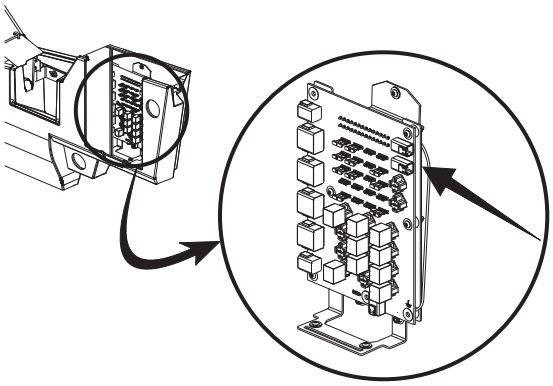
Genie part number 1295183GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector



# GTH™ Models

6 Route the harness out the back end of the armrest console.

7 Secure the armrest to the console using the fasteners set aside.

8 Install the PCB assembly access panel.

9 Using a mild cleaning solvent, clean the top of the armrest mounting plate.

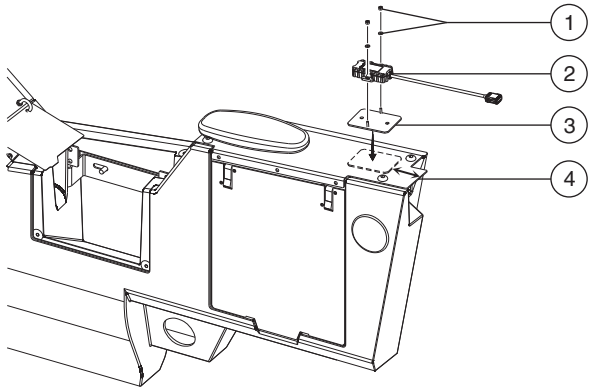
10 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

11 Adhere the bracket to the top of the armrest mounting plate.

Note: The bracket should be mounted 2 inches / 5 cm from the end of the mounting plate and centered between the right and left sides.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.




1 retaining fasteners
2 telematics module
3 telematics bracket
4 armrest mounting plate

12 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT.

13 Connect the telematics module to the retrofit harness.

14 Connect the black negative battery cable to the engine battery.

15 Locate the machine serial label.

16 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

17 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# GTH™ Models

## GTH-2506, GTH-3007, GTH-5519

This procedure only applies to the following serial numbers listed below.

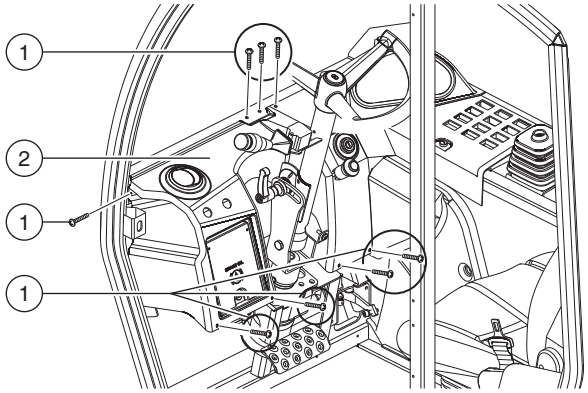
| from serial number |
|---|
| GTH2506B-211 |
| GTH300716M-101 |
| GTH55M-2375 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position and the wheels chocked.

1 Locate and disconnect the black negative battery cable from the engine battery.

**⚠WARNING** Electrocution/burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

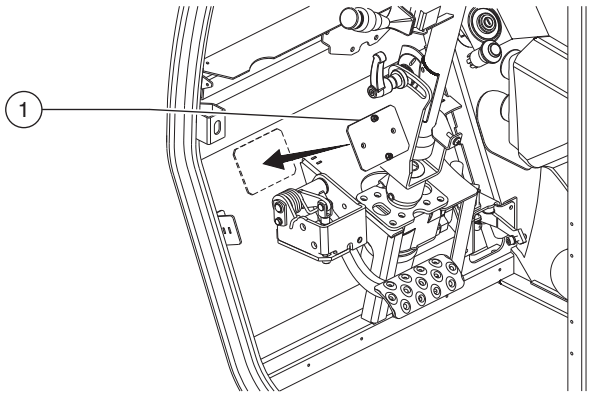
2 Remove the retaining fasteners securing the center dashboard and set aside.




1 retaining fasteners
2 dashboard

3 Remove the dashboard from the cab and set aside.

4 Using a mild cleaning solvent, clean the front of the cab compartment.




1 telematics bracket

5 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

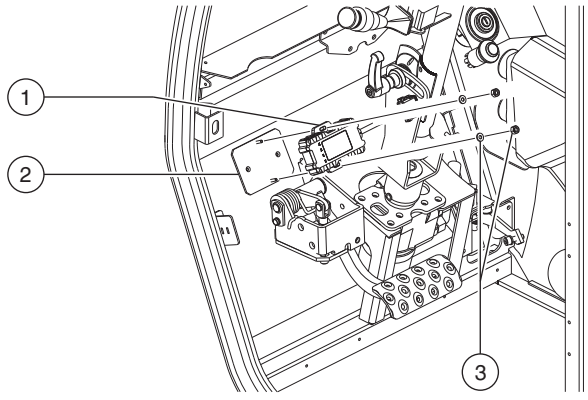
Genie part number 1289561GT.

6 Adhere the bracket to the front of the cab compartment.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

7 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.




1 telematics bracket
2 telematics module
3 retaining fasteners

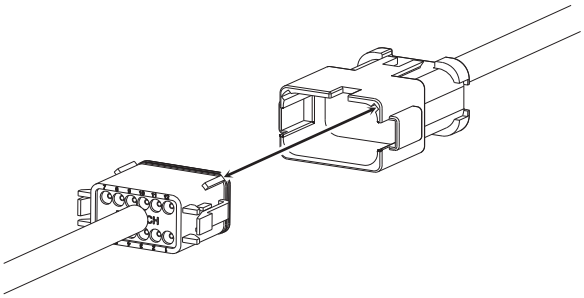
# GTH™ Models

8 Connect the wiring adapter harness to the 8 pin connector located at the bottom of the cab behind the steering column.

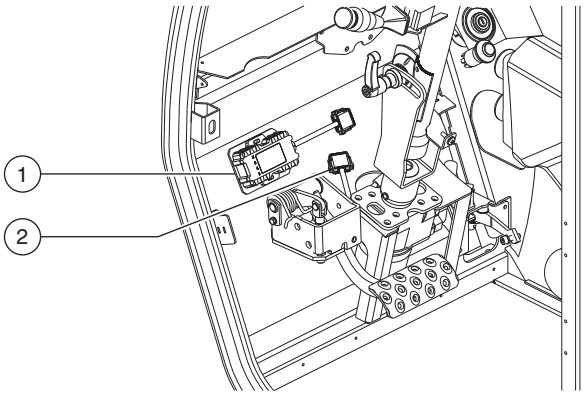
Genie part number 55.0602.1184GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



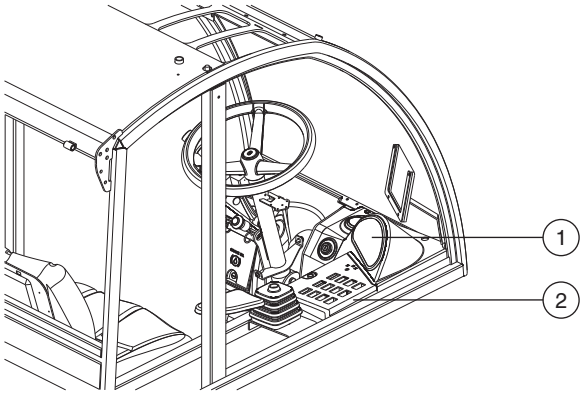
example of keyed harness connector




1 telematics module
2 connector, 8 pin

9 Connect the telematics module to the wiring adapter harness.

10 Using a small flathead screwdriver, remove the instrument panel from the instrument dashboard and set aside.




1 instrument panel
2 fuse panel compartment

11 Open the fuse panel compartment. Remove the plastic fuse cover and set aside.

12 Route the loose end of the wiring adapter harness with the ring terminal through the instrument dashboard and into the fuse panel.

Note: The access hole into the fuse panel compartment is located in the left front bottom corner.

13 Connect the ring terminal to the location shown below on the fuse panel.



# GTH™ Models

14 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

15 Install the plastic fuse cover and close the fuse panel compartment.

16 Install the instrument panel and the dashboard.

17 Connect the black negative battery cable to the engine battery.

18 Locate the machine serial label.

19 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

20 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## GTH-1256, GTH-1544

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| GTH12M-301 to GTH12M-662 |
| GTH15M-601 to GTH15M-669 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position and the wheels chocked.

1 Locate and disconnect the black negative battery cable from the engine battery.

**⚠WARNING** Electrocution/burn hazard. Contact with electrically charged circuits could result in death or serious injury. Remove all rings, watches and other jewelry.

2 Using a small flathead screwdriver, remove the instrument panel from the instrument dashboard and set aside.



# GTH™ Models

3 Using a mild cleaning solvent, clean the area inside the dashboard shown below.

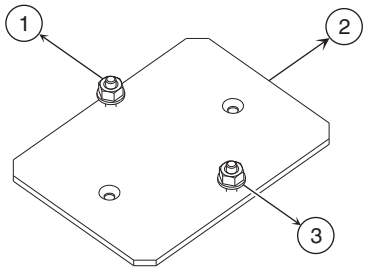


4 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

5 Adhere the bracket to the surface so the studs are aligned with the front and rear of the cab.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.




1 cab, front
2 cab, right side
3 cab, rear

6 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT.

Note: Install the telematics module so the harness is routed towards the right side of the cab.



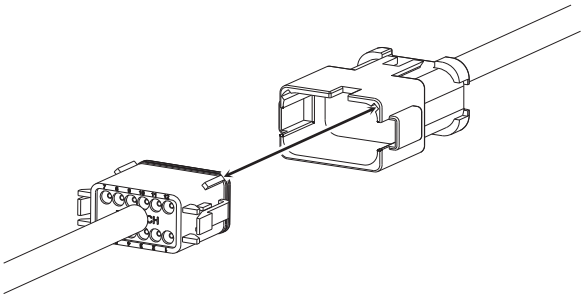
7 Connect the wiring adapter harness to the 8 pin connector located at the front right corner under the dashboard.

Genie part number 55.0602.1184GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector



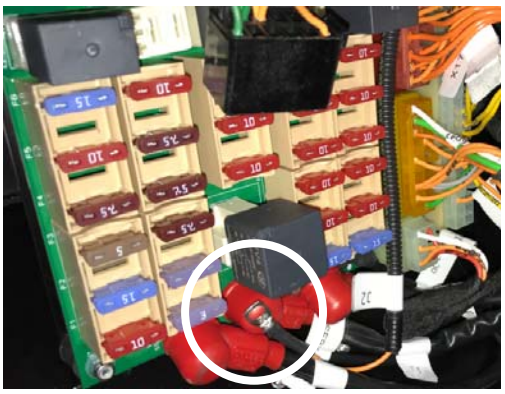
8 Connect the telematics module to the wiring adapter harness.

9 Route the loose end of the wiring adapter harness with the ring terminal through the dashboard towards the fuse panel.



10 Connect the ring terminal to the J2 terminal on the fuse panel.

Note: The J2 terminal is the center terminal with the red boot.



11 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

# GTH™ Models

12 Connect the black negative battery cable to the engine battery.

13 Locate the machine serial label.

14 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

15 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# TZ™ Models

## TZ-34/20

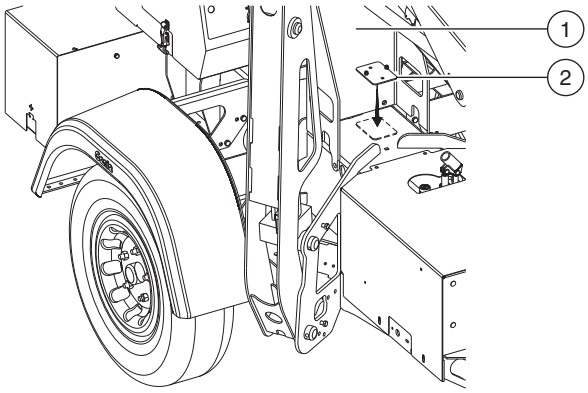
This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| TZ3415-1169 to TZ34J-3931 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position and the wheels chocked.

Note: Perform this procedure with all external AC power disconnected from the machine.

1 Using a mild cleaning solvent, clean the top of the chassis next to the mast cradle.




1 mast cradle
2 telematics bracket

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

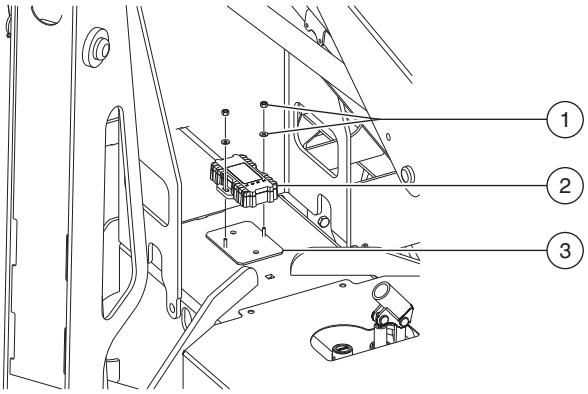
Genie part number 1289561GT.

3 Adhere the bracket to the top of the chassis.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

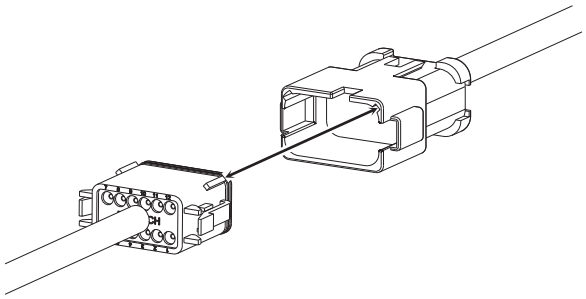
5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

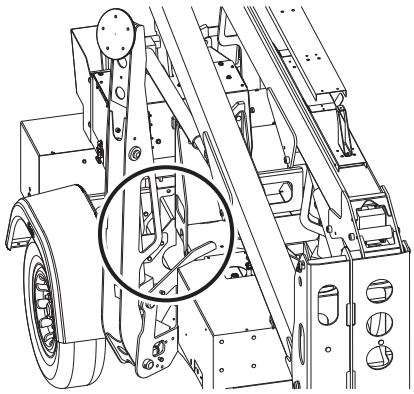
Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# TZ™ Models

6 Connect the loose end of the retrofit harness to the 8 pin machine harness connector located near the mast cradle.



7 Locate the machine serial label.

8 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

9 Note: The ESN decals are provided with the telematics module.

10 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## TZ-50

This procedure only applies to the following serial numbers listed below.

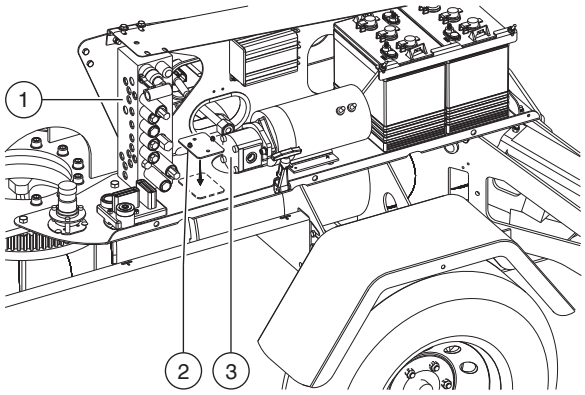
| from serial number |
|---|
| TZ5015-1052 to TZ50J-3756 |

Note: Perform this procedure on a firm, level surface with the machine in the stowed position and the wheels chocked.

Note: Perform this procedure with all external AC power disconnected from the machine.

1 Open the turntable cover on the ground controls side of the machine.

2 Using a mild cleaning solvent, clean the top of the chassis between the function manifold and function pump.




1 function manifold
2 telematics bracket
3 function pump

3 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

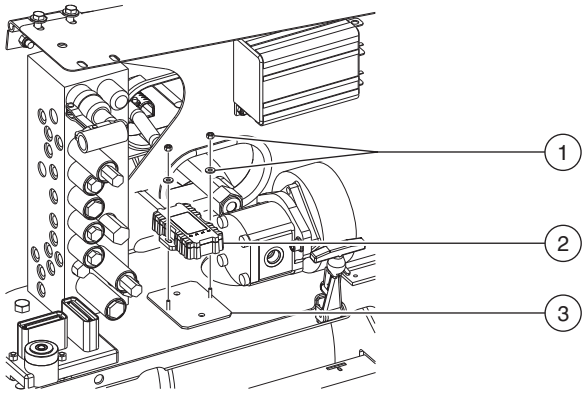
Genie part number 1289561GT.

4 Adhere the bracket to the top of the chassis.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

5 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT.



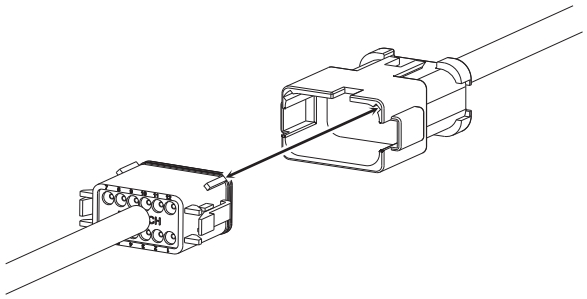

1 retaining fasteners
2 telematics module
3 telematics bracket

6 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

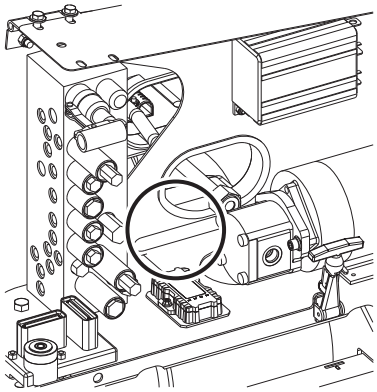
Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

7 Connect the loose end of the retrofit harness to the 8 pin machine harness connector located near the function pump.



8 Locate the machine serial label.

9 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

10 Note: The ESN decals are provided with the telematics module.

11 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# Light Towers - AL™, RL™ Models

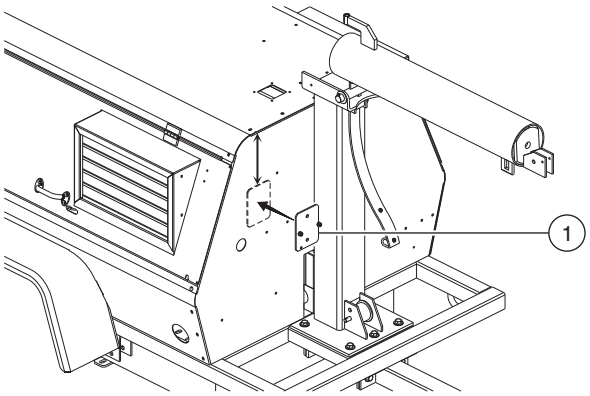
## AL4, AL4L, AL5L

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| AL415-2878 |
| AL4L15-181 |
| AL5L15-127 |

Note: Perform this procedure on a firm, level surface.

1 Using a mild cleaning solvent, clean the front of the cabinet.




1 telematics bracket

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

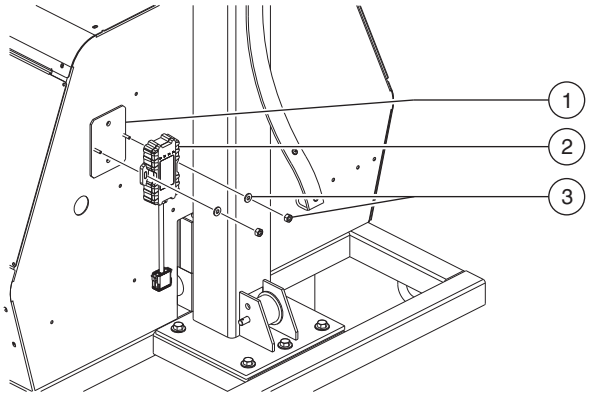
3 Adhere the bracket to the front of the cabinet.

Note: Mount the bracket 8 inches / 20 cm down from the top of the cabinet.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT.




1 telematics bracket
2 telematics module
3 retaining fasteners

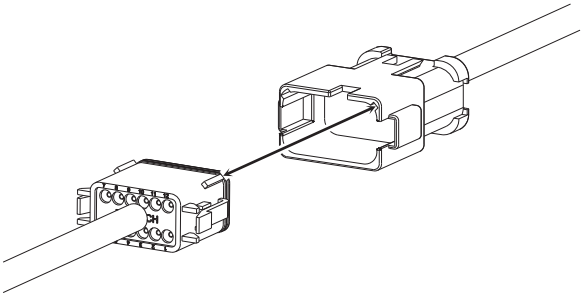
5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

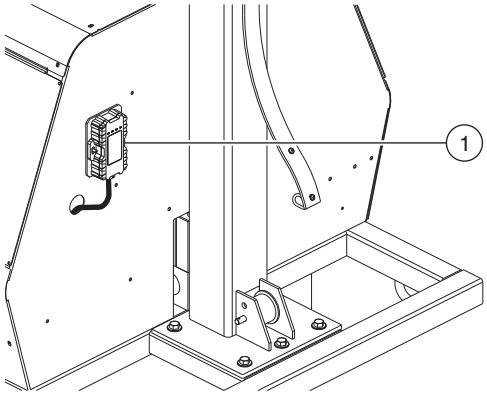
**NOTICE**

Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

6 Route the loose end of the retrofit harness into the cabinet through the access hole.




1 telematics module

7 Open the ground control side of the cabinet and locate the 8 pin connector in the harness from the ground control box.

8 Connect the loose end of the retrofit harness to the 8 pin connector.

9 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

10 Close the cabinet.

11 Locate the machine serial label.

12 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

13 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# Light Towers - AL™, RL™ Models

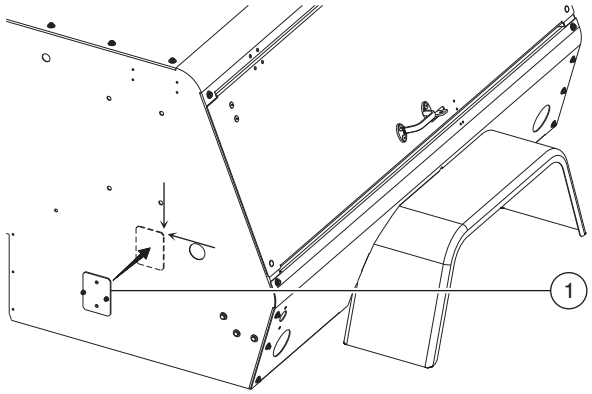
## AL5, AL5V, AL5HT

This procedure only applies to the following serial numbers listed below.

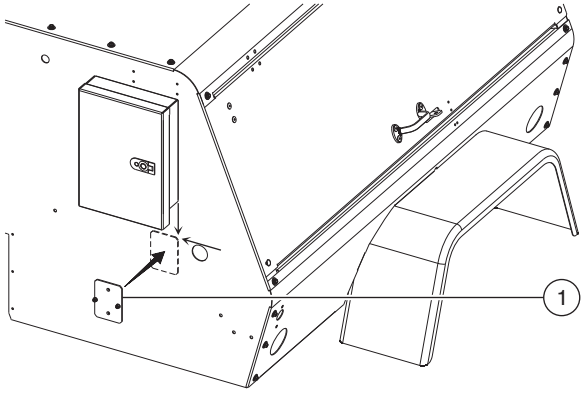
| from serial number |
|---|
| AL515-1616 |
| AL5HT15-201 |

Note: Perform this procedure on a firm, level surface.

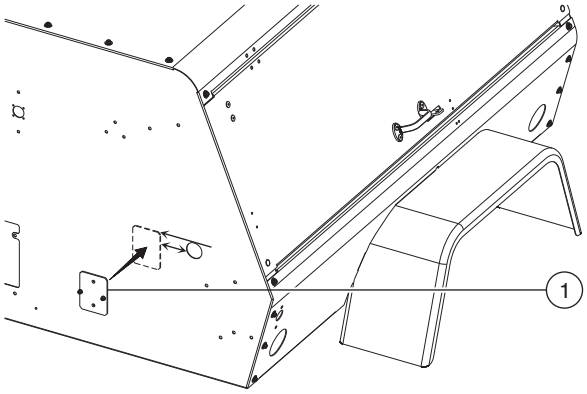
1 Using a mild cleaning solvent, clean the front of the cabinet.




AL5, AL5V - models without external power option




AL5, AL5V - models with external power option




AL5HT

1 telematics bracket

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

3 Adhere the bracket to the front of the cabinet.

Note: Mount the bracket in the proper location using the arrows in the previous illustrations.

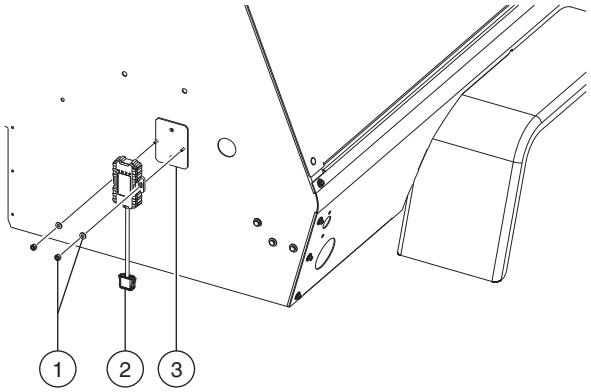
Note: AL5HT models - position the bracket 2 inches / 5 cm to the left of the access hole.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

# Light Towers - AL™, RL™ Models

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT.



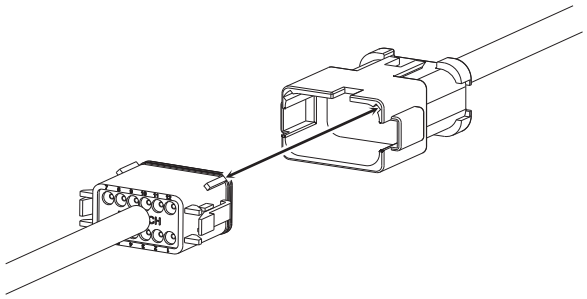

1 retaining fasteners
2 telematics module
3 telematics bracket

5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

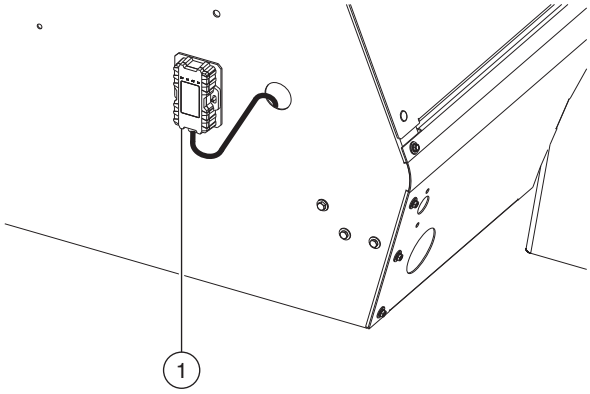
Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

6 Route the loose end of the retrofit harness into the cabinet through the access hole.




1 telematics module

7 Open the ground control side of the cabinet and locate the 8 pin connector in the harness from the ground control box.

8 Connect the loose end of the retrofit harness to the 8 pin connector.

9 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

10 Close the cabinet.

11 Locate the machine serial label.

12 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

13 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# Light Towers - AL™, RL™ Models

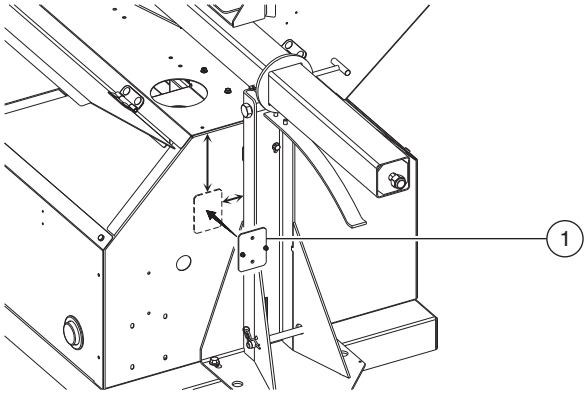
## RL4

This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| RL415-12608 to RL415-14529 |

Note: Perform this procedure on a firm, level surface.

1 Using a mild cleaning solvent, clean the front of the cabinet.




1 telematics bracket

2 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

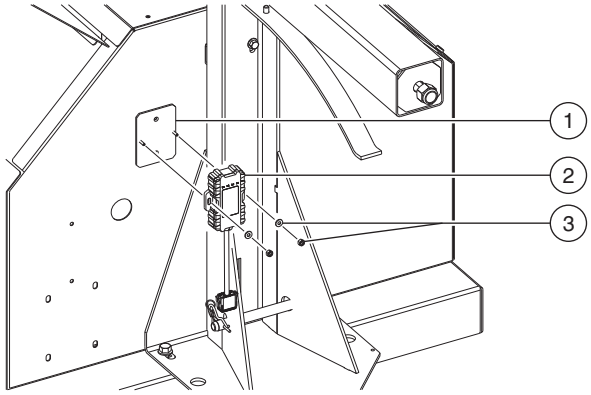
3 Adhere the bracket to the front of the cabinet.

Note: Mount the bracket 7.5 inches / 19 cm down from the top of the cabinet and 2 inches / 5 cm from the center column.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

4 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT.




1 telematics bracket
2 telematics module
3 retaining fasteners

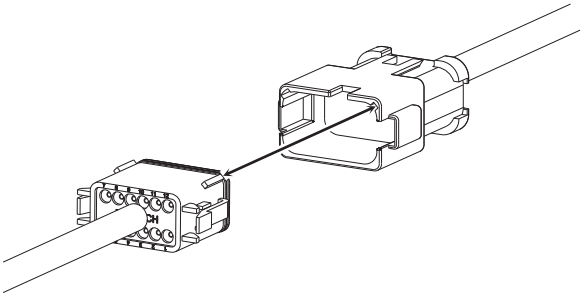
5 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

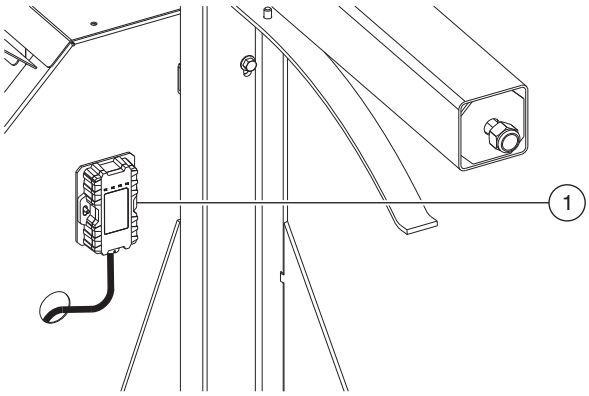
Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Light Towers - AL™, RL™ Models

6 Route the loose end of the retrofit harness into the cabinet through the access hole.




1 telematics module

7 Open the ground control side of the cabinet and locate the 8 pin connector in the harness from the ground control box.

8 Connect the loose end of the retrofit harness to the 8 pin connector.

9 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

10 Close the cabinet.

11 Locate the machine serial label.

12 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

13 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

## RL4 LED

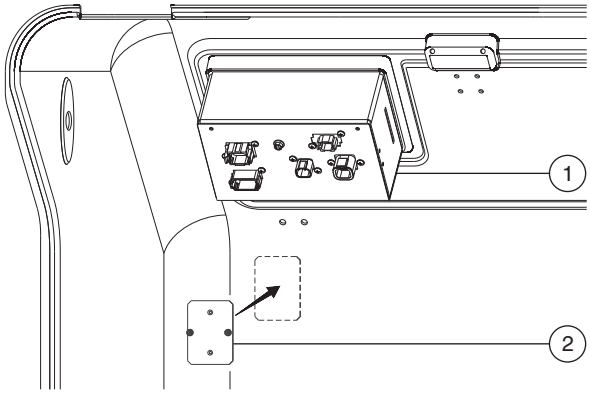
This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| RL4LJ-101 |

Note: Perform this procedure on a firm, level surface.

1 Open the engine compartment.

2 Using a mild cleaning solvent, clean the inside top of the cover below the ground controls.




1 ground controls
2 telematics bracket

3 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

Genie part number 1289561GT.

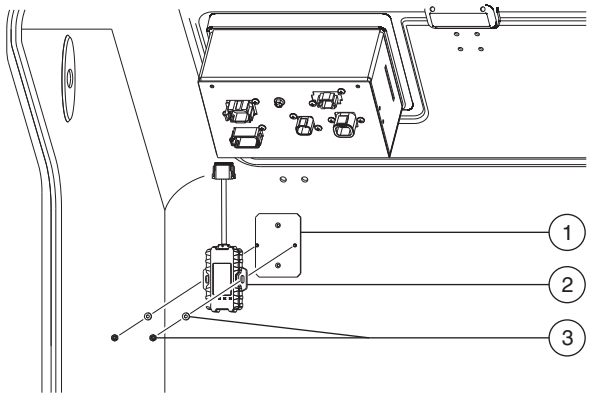
4 Adhere the bracket to the cover.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

# Light Towers - AL™, RL™ Models

5 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT.



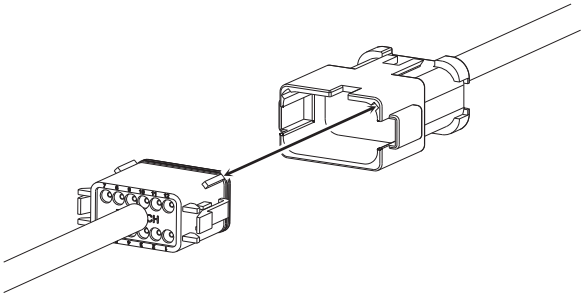

1 telematics bracket
2 telematics module
3 retaining fasteners

6 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

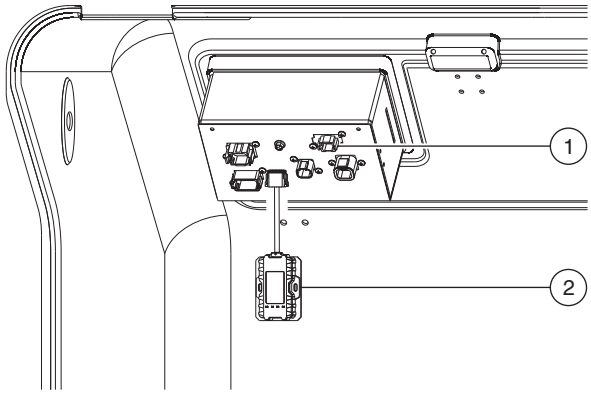
Note: Harness connectors are keyed for proper installation.

**NOTICE** Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

7 Connect the loose end of the retrofit harness to the 8 pin connector located on the control box.




1 connector, 8 pin
2 telematics module

8 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

9 Close the engine compartment.

10 Locate the machine serial label.

11 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

12 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**

# Light Towers - AL™, RL™ Models

## RL4 Vertical Mast

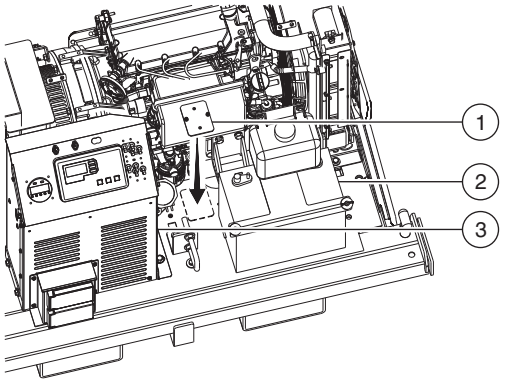
This procedure only applies to the following serial numbers listed below.

| from serial number |
|---|
| RL415-101 |

Note: Perform this procedure on a firm, level surface.

1 Open the engine compartment.

2 Using a mild cleaning solvent, clean the top of the chassis between the battery and ground controls compartment.




1 telematics bracket
2 battery
3 ground controls compartment

3 Remove and discard the protective film from the adhesive tape located on the bottom of the telematics bracket.

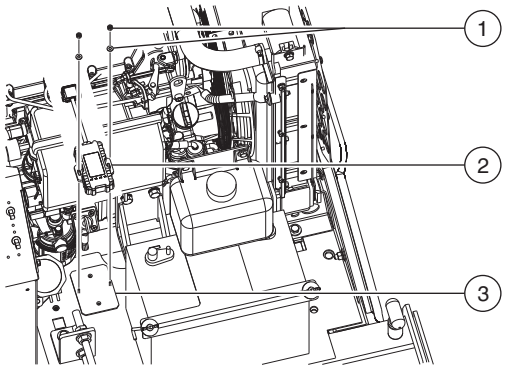
Genie part number 1289561GT.

4 Adhere the bracket to the top of the chassis.

Note: The adhesive takes approximately 20 minutes to fully adhere to the surface.

5 Secure the telematics module to the mounting bracket using the provided retaining fasteners.

Genie part number 1289520GT or 1289521GT or 1289522GT.




1 retaining fasteners
2 telematics module
3 telematics bracket

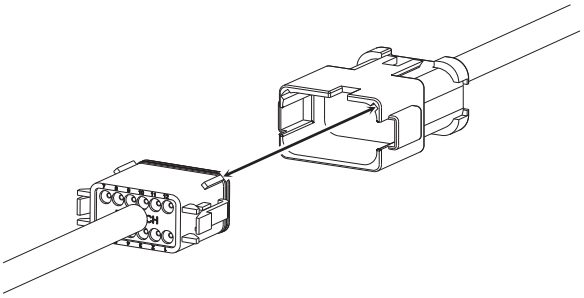
6 Connect the telematics module to the retrofit harness.

Genie part number 1292198GT.

Note: Harness connectors are keyed for proper installation.

**NOTICE**

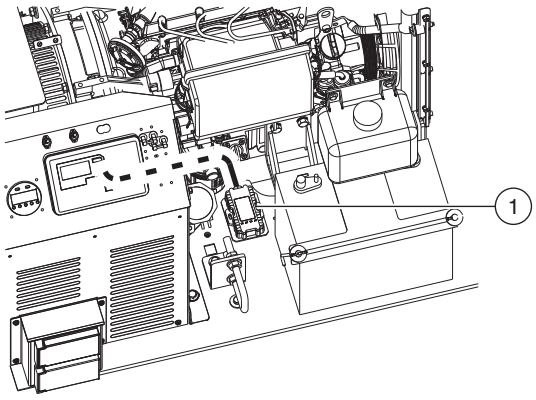
Component damage hazard. Improper connections will result in damage to the telematics module and it is not covered under warranty.



example of keyed harness connector

# Light Towers - AL™, RL™ Models

7 Route the loose end of the retrofit harness behind the ground controls compartment.




1 telematics module

8 Connect the loose end of the retrofit harness to the 8 pin connector located behind the control box.

9 Secure the harness to the existing cables using the provided cable ties.

Genie part number 21121GT.

10 Close the engine compartment.

11 Locate the machine serial label.

12 Using a mild cleaning solvent, clean an area next to the serial label. Adhere one of the provided ESN decals to the machine.

Note: The ESN decals are provided with the telematics module.

13 Adhere the lexan cover decal over the ESN decal.

Genie part number 1291624GT.

**Register and activate the telematics module. Refer to Lift Connect Activation,** *Register and Activate the Telematics Module***.**