Genie®
A TEREX BRAND

Installation Instructions

Lift Guard™ Contact Alarm

S® and Z® Booms

Part No. 1279137GT
Rev C
December 2017

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 listed below:

From serial number	
S40-7001	S380011D-101
S45-7002	SX135H-101
S6003-9154	SX15015H-101
S60HC-12800	SX18014-101
S60TX08-17760	Z30N07-9560
S65TX-10-20410	Z331815M-101
S60X10-21001	Z3407-5585
S60XC10-21001	Z34N07-6453
S80-3082	Z40N07-101
S80X10-8500	Z4525-21180
S8508-8001	Z513005-101
S100-101	Z60-4001 (Z-60/34)
S105-101	Z6016N-101 (Z-60/37)
S120-101	Z6215A-101
S125-101	Z80-101
S100HD14D-200	Z13505-101
S120HD14D-201	ZX13513-2001
S320011D-101	

Introduction

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 4221 491 810
	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

Tools Required:

7/16 inch wrench

1/2 inch wrench

9/16 inch wrench

15/16 inch wrench

8mm wrench

17mm wrench

5/16 inch socket

3/8 inch socket

7/16 inch socket

9/16 inch socket

Ratchet

Phillips screwdriver

Drill motor

1/4 inch / 6 mm drill bit

9/32 inch / 7 mm drill bit

5/16 inch / 8 mm Drill bit

Step drill bit, 3/16 - 7/8 inch / 4 - 22 mm

Deburring tool

Wire crimper

Wire cutters

Wire stripper

Cable tie gun or wire cutters

Introduction

Components of Kit 1279134GT

ALC-1000 models, 6 and 8 foot / 1,8 and 2,4 m platforms:

Butt splice, 14/16 GA
Genie part number 6687GT
Qty. 1

Cable tie, 11.5 inch / 29,2 cm
Genie part number 28443GT
Qty. 16

Screw, HHF, 1/4-20 x 2.5, 8
Genie part number 8240083GT
Qty. 2

Nylock flange nut, 1/4-20
Genie part number 1277924GT
Qty. 2

Harness, ALC1000
Genie part number 1278117GT
Qty. 1

Plus+1 module
Genie part number 1278121GT
Qty. 1

Right assembly
Genie part number 1278137GT
Qty. 1

Left assembly
Genie part number 1278143GT
Qty. 1

Cable assembly, contact alarm
Genie part number 1278416GT
Qty. 1

Manual, operators supplement
Genie part number 1278541GT
Qty. 1

Decal, contact alarm instruction
Genie part number 1278542GT
Qty. 1

Decal, actuator switch socket instruction
Genie part number 1278982GT
Qty. 1

Installation instructions
Genie part number 1279137GT
Qty. 1

Refer to loose kit components for the Right assembly, Left assembly and Harness.

Introduction

Components of Kit 1279135GT

All other models, 6 and 8 foot / 1,8 and 2,4 m platforms:

Cable tie, 11.5 inch / 29,2 cm
Genie part number 28443GT
Qty. 16

Screw, HHF, 1/4-20 x 2.5, 8, ZAG
Genie part number 824083GT
Qty. 2

Nylock flange nut, 1/4-20, ZAG
Genie part number 1277924GT
Qty. 2

Harness, field kit
Genie part number 1278116GT
Qty. 1

Plus+1 module
Genie part number 1278121GT
Qty. 1

Right assembly
Genie part number 1278137GT
Qty. 1

Left assembly
Genie part number 1278143GT
Qty. 1

Cable assembly, contact alarm
Genie part number 1278416GT
Qty. 1

Manual, operators supplement
Genie part number 1278541GT
Qty. 1

Decal, contact alarm instruction
Genie part number 1278542GT
Qty. 1

Decal, actuator switch socket instruction
Genie part number 1278982GT
Qty. 1

Installation instructions
Genie part number 1279137GT
Qty. 1

Refer to loose kit components for the Right assembly, Left assembly and Harness.

Introduction

Components of Kit 1283807GT

Z-33/18 models:

Cable tie, 4 inches / 10,2 cm
Genie part number 21121GT
Qty. 5

Cable tie, 11.5 inch / 29,2 cm
Genie part number 28443GT
Qty. 8

Flange nut, 10-32, ZAG
Genie part number 824032GT
Qty. 1

Screw, 10-32 x .38, ZAG
Genie part number 825349GT
Qty. 1

Plus+1 module
Genie part number 1278121GT
Qty. 1

Plate, module support
Genie part number 1280860GT
Qty. 1

Cable assembly, contact alarm
Genie part number 1278417GT
Qty. 1

Manual, operators supplement
Genie part number 1278541GT
Qty. 1

Decal, contact alarm instruction
Genie part number 1278542GT
Qty. 1

Decal, actuator switch socket instruction
Genie part number 1278982GT
Qty. 1

Harness, field kit
Genie part number 1280845GT
Qty. 1

Right assembly
Genie part number 1280850GT
Qty. 1

Left assembly
Genie part number 1280852GT
Qty. 1

Flat washer, D6
Genie part number 01.0031.0054GT
Qty. 2

Screw, M6 x 70, TE
Genie part number 01.4001.0028GT
Qty. 2

Installation instructions
Genie part number 1279137GT
Qty. 1

Refer to loose kit components for the Right assembly, Left assembly and Harness.

Introduction

Components of Kit 1279136GT

All other models, 4 and 5 foot / 1,2 and 1,5 m platforms:

Cable tie, 11.5 inch / 29,2 cm
Genie part number 28443GT
Qty. 16

Screw, HHF, 1/4-20 x 2.5, 8, ZAG
Genie part number 824083GT
Qty. 2

Nylock flange nut, 1/4-20, ZAG
Genie part number 1277924GT
Qty. 2

Harness, field kit
Genie part number 1278116GT
Qty. 1

Plus+1 module
Genie part number 1278121GT
Qty. 1

Right assembly
Genie part number 1278174GT
Qty. 1

Left assembly
Genie part number 1278176GT
Qty. 1

Cable assembly, contact alarm
Genie part number 1278417GT
Qty. 1

Manual, operators supplement
Genie part number 1278541GT
Qty. 1

Decal, contact alarm instruction
Genie part number 1278542GT
Qty. 1

Decal, actuator switch socket instruction
Genie part number 1278982GT
Qty. 1

Installation instructions
Genie part number 1279137GT
Qty. 1

Refer to loose kit components for the Right assembly, Left assembly and Harness.

Introduction

Loose components of Right and Left assemblies:

Screw, 1/4-20 x .75, 8
Genie part number 824078GT
Qty. 2

Screw, 3/8-16 x 1,8
Genie part number 824090GT
Qty. 4

Nylock flange nut, 1/4-20
Genie part number 1277924GT
Qty. 2

Nylock flange nut, 3/8-16
Genie part number 1274322GT
Qty. 4

Tube clamp
Genie part number 1278363GT
Qty. 2

Loose components of Harness: 1278117GT

Plug connector, 3 way
Genie part number 119057GT
Qty. 1

Receptacle connector, 3 way
Genie part number 119066GT
Qty. 1

Plug connector, 3 way
Genie part number T110954GT
Qty. 2

Plug connector, 4 way
Genie part number 1277904GT
Qty. 1

Plug lock, 3 way
Genie part number 60427GT
Qty. 1

Receptacle plug, 3 way
Genie part number 60441GT
Qty. 1

Plug lock, 3 way
Genie part number T110955GT
Qty. 2

Plug lock, 4 way
Genie part number 1277905GT
Qty. 1

Plug seal
Genie part number 60757GT
Qty. 1

Introduction

Squeeze connector
Genie part number 7056GT
Qty. 1

Squeeze connector nut
Genie part number 6935GT
Qty. 1

Wire loom, 1/2 inch / 1,3 cm
Genie part number 94652GT
Qty. 35.75 inches / 90,8 cm

Wire loom, 3/8 inch / 1 cm
Genie part number 53471GT
Qty. 26 inches / 66 cm

Relay, 12V DC
Genie part number 19274GT
Qty. 1

Cable tie, 4 inch / 10 cm
Genie part number 21121GT
Qty. 26
Note: Quantity includes cable ties already installed on the harness.

Loose components of Harness: 1280845GT

Plug connector, 3 way
Genie part number T110954GT
Qty. 2

Plug lock, 3 way
Genie part number T110955GT
Qty. 2

Plug connector, 4 way
Genie part number 1277904GT
Qty. 1

Plug lock, 4 way
Genie part number 1277905GT
Qty. 1

Squeeze connector
Genie part number 7056GT
Qty. 1

Squeeze connector nut
Genie part number 6935GT
Qty. 1

Wire loom, 1/2 inch / 1,3 cm
Genie part number 94652GT
Qty. 12 inches / 30,5 cm

Relay, 24V DC
Genie part number 78098GT
Qty. 1

Receptacle lock, 2 way
Genie part number 60439GT
Qty. 1

Receptacle connector, 2 way
Genie part number 119065GT
Qty. 1

Plug connector, 2 way
Genie part number 119056GT
Qty. 1

Plug lock, 2 way
Genie part number 60425GT
Qty. 1

Introduction

Loose components of Harness: 1278116GT

Plug connector, 3 way
Genie part number T110954GT
Qty. 2

Plug connector, 4 way
Genie part number 1277904GT
Qty. 1

Plug lock, 3 way
Genie part number T110955GT
Qty. 2

Plug lock, 4 way
Genie part number 1277905GT
Qty. 1

Squeeze connector
Genie part number 7056GT
Qty. 1

Squeeze connector nut
Genie part number 6935GT
Qty. 1

Wire loom, 1/2 inch / 1,3 cm
Genie part number 94652GT
Qty. 18.75 inches / 47,6 cm

Relay, 12V DC
Genie part number 19274GT
Qty. 1

Relay, 24V DC
Genie part number 78098GT
Qty. 1

Female terminal
Genie part number 47251GT
Qty. 1

Female terminal
Genie part number 13826GT
Qty. 1

Ring terminal, #10
Genie part number 54809GT
Qty. 1

Wire assembly, brown, male terminal
Qty. 1

Cable tie, 4 inch / 10 cm
Genie part number 21121GT
Qty. 35
Note: Quantity includes cable ties already installed on the harness.

Procedure

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

Drilling and Plus+1 Module Installation - Z-33/18 models

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

2 Open the platform control box.

Note: Refer to the *Drilling Diagram* that is appropriate for your machine.

3 Drill a 1/4 inch / 6 mm hole in the right side of the control box.

4 Drill a 7/8 inch / 22 mm hole in the bottom of the control box.

5 Use a deburring tool to remove any sharp edges from the holes.

6 Remove the retaining fasteners securing the Plus+1 module in the control box and set aside. Secure the module support plate to the Plus+1 module using retaining fastener (Genie part number 01.4001.0028GT) and the hex nuts set aside. Do not over tighten.

Note: Refer to the *Plus+1 Module Installation* illustration that is appropriate for your machine.

7 Secure the Plus+1 control module (Genie part number 1278121GT) to the module support plate using the screws set aside. Do not over tighten.

8 Close the platform control box. Do not install the retaining fasteners at this time.

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

Drilling and Plus+1 Module Installation - All other models

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

2 Open the platform control box.

3 Drill two 5/16 inch / 8 mm holes in the control box.

Note: Refer to the *Drilling Diagram* that is appropriate for your machine.

Note: Due to various model configurations, the diagram dimensions are for reference only. Verify the Plus+1 control module (Genie part number 1278121GT) can be mounted without obstructing other components and wiring in the control box.

4 **Some models:** Drill a 7/8 inch / 22 mm hole in the bottom of the control box.

Note: Refer to the *Drilling Diagram* that is appropriate for your machine. If a drilling location is not shown on the diagram, refer to the ***Notes*** below.

Note: If a spare 7/8 inch / 22 mm hole is available in the bottom of the control box, there is no need to drill a hole. Remove the plastic plug and discard.

Note: If a spare 7/8 inch / 22 mm hole is not available and not shown on the drilling diagram, drill a hole in the bottom right corner of the control box closest to the platform. Refer to other drilling diagrams as a reference.

Procedure

5 Use a deburring tool to remove any sharp edges from the holes.

6 Install the Plus+1 control module (Genie part number 1278121GT) inside the platform control box using retaining fasteners (Genie part numbers 824083GT and 1277924GT). Do not over tighten.

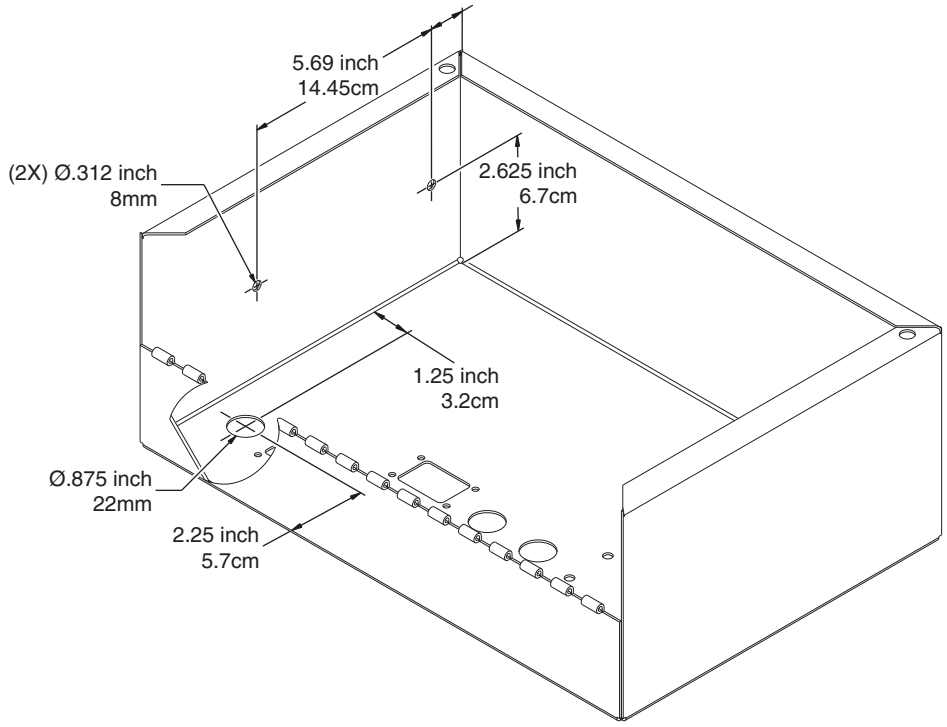
Note: Refer to the *Plus+1 Module Installation* illustration that is appropriate for your machine.

7 Close the platform control box. Do not install the retaining fasteners at this time.

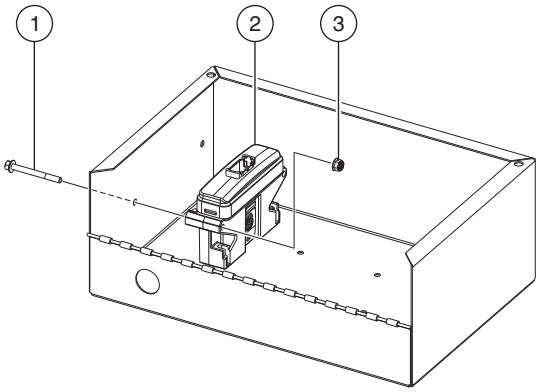
Illustration

Z-30/20N • Z-34/22

Drilling Diagram



Plus+1 Module Installation

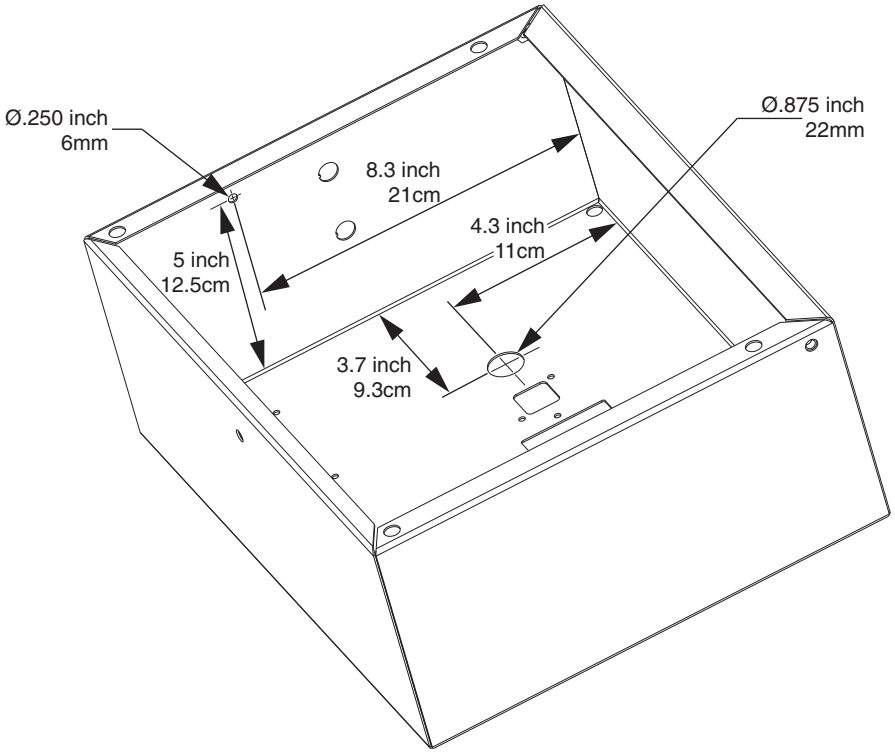


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

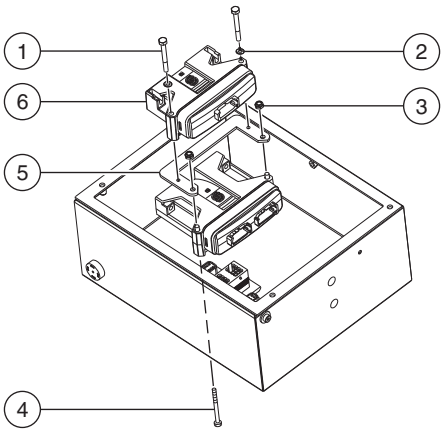
Illustration

Z-33/18

Drilling Diagram



Plus+1 Module Installation

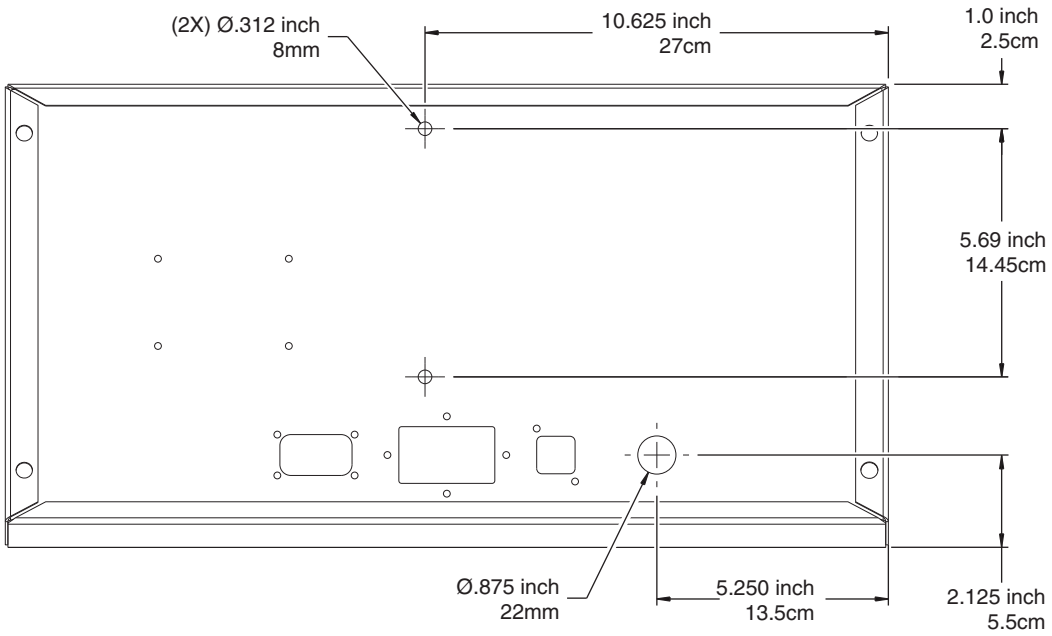


1 Screw, M6 x 60
2 Flat washer, D6
3 Hex nut
4 Screw, M6 x 70
5 Module support plate
6 Plus+1 module

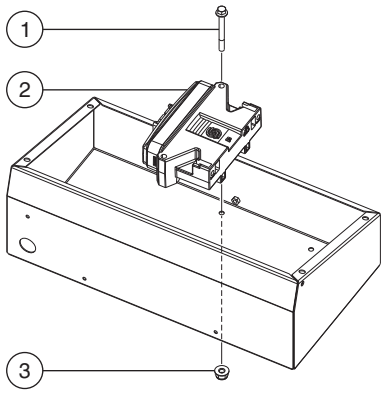
Illustration

Z-40/23N

Drilling Diagram



Plus+1 Module Installation

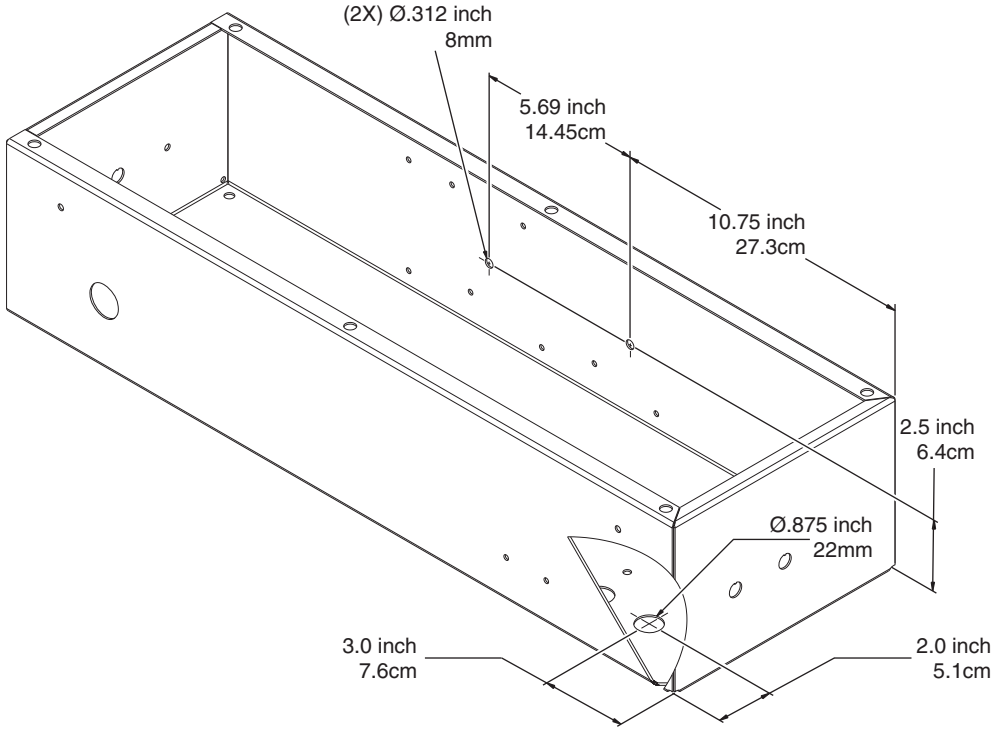


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

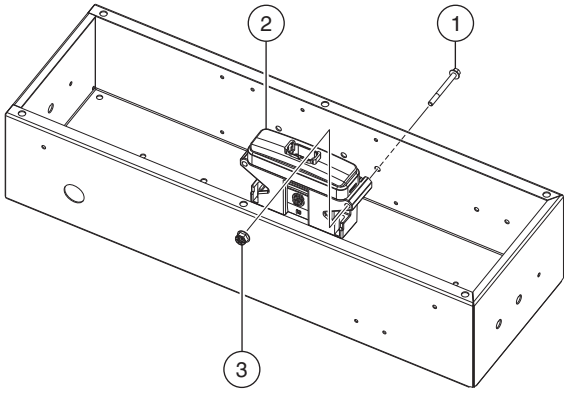
Illustration

Z-45/25 DC • Z-45/25 BE

Drilling Diagram



Plus+1 Module Installation

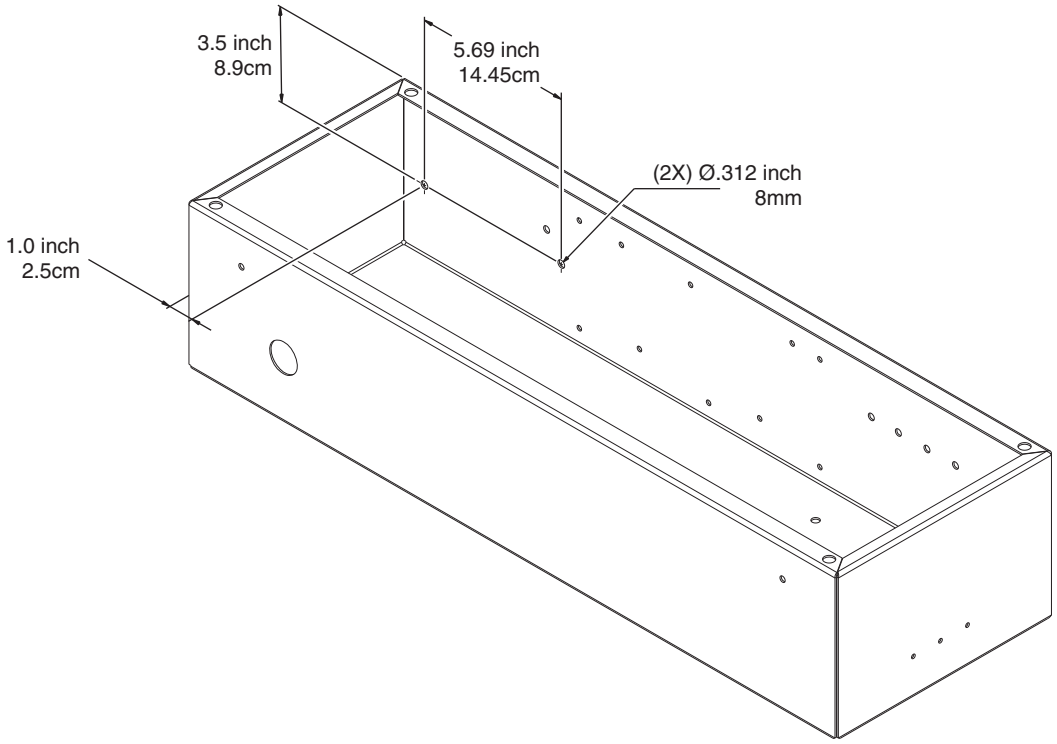


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

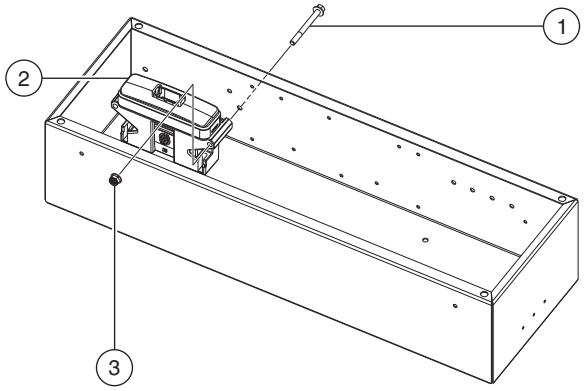
Illustration

Z-45/25 IC • Z-45 XC • Z-51/30

Drilling Diagram



Plus+1 Module Installation

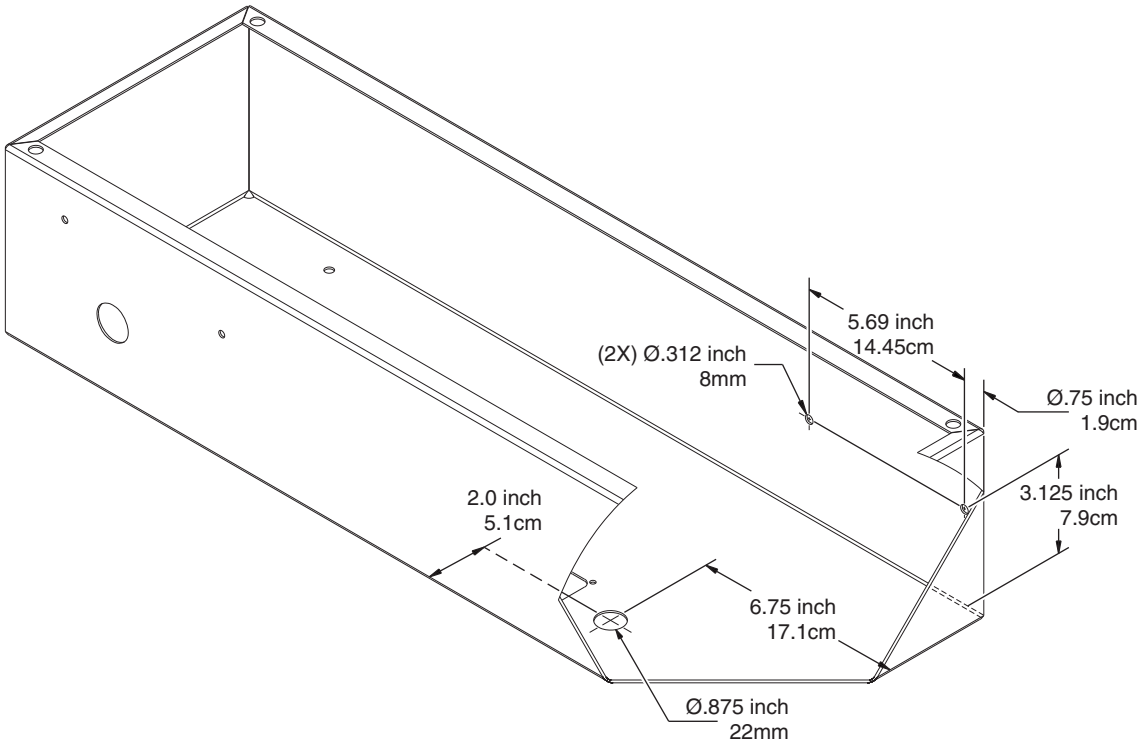


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

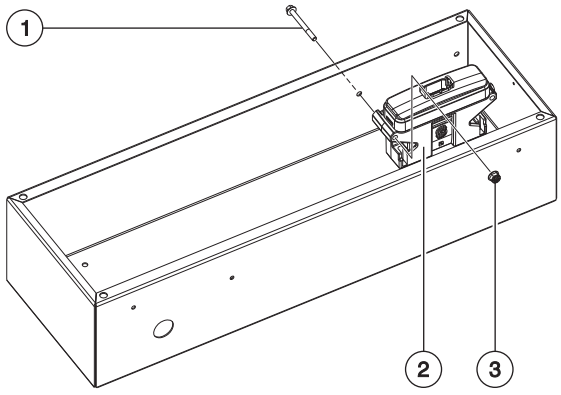
Illustration

Z-60/37 DC • Z-60/37 FE

Drilling Diagram



Plus+1 Module Installation

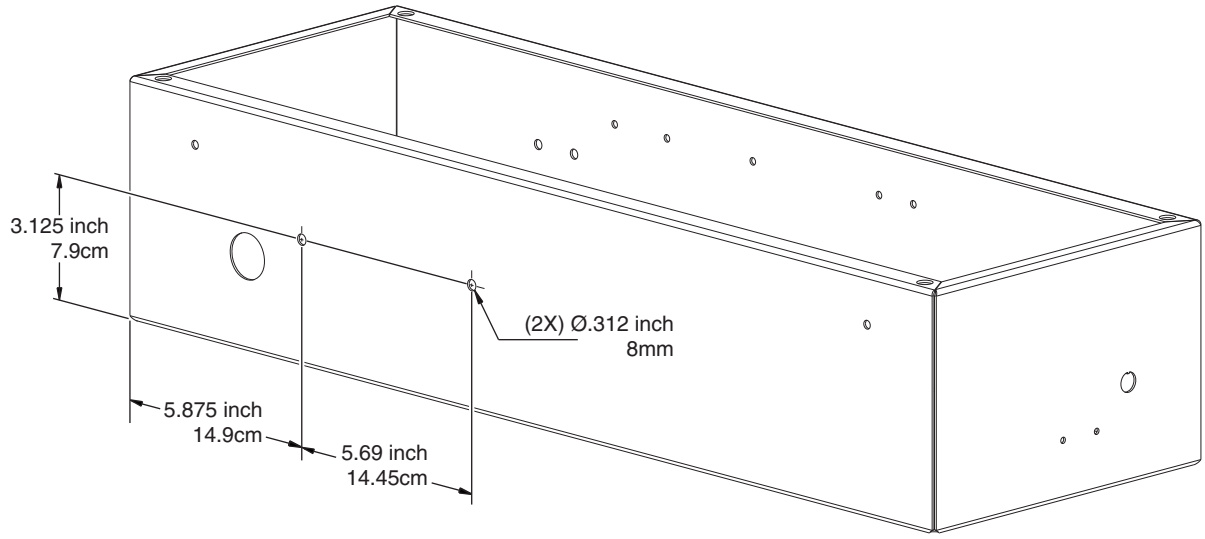


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

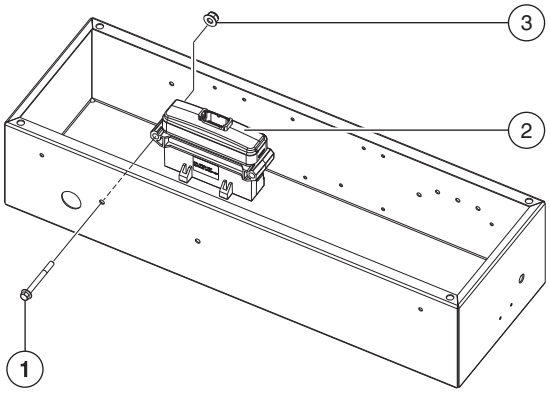
Illustration

Z-62/40

Drilling Diagram



Plus+1 Module Installation

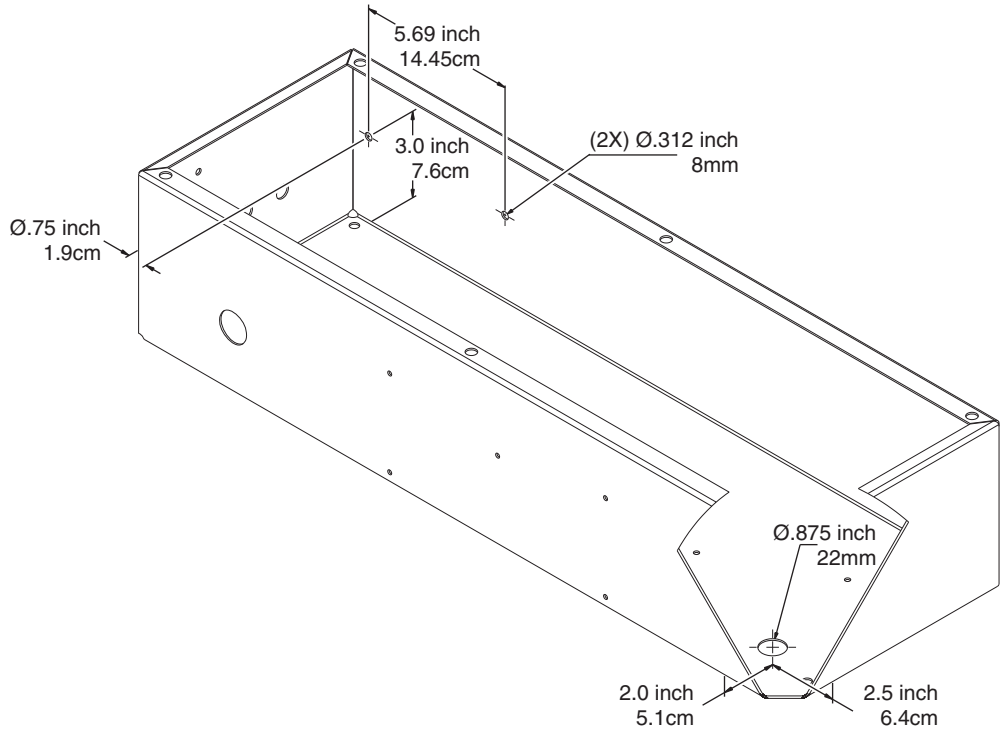


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

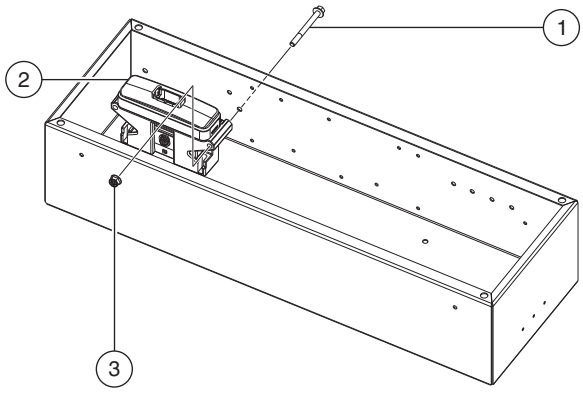
Illustration

Z-80/60 • Z-135/70 • ZX-135/70 • SX-125 XC • SX-135 XC • SX-150 • SX-180

Drilling Diagram



Plus+1 Module Installation

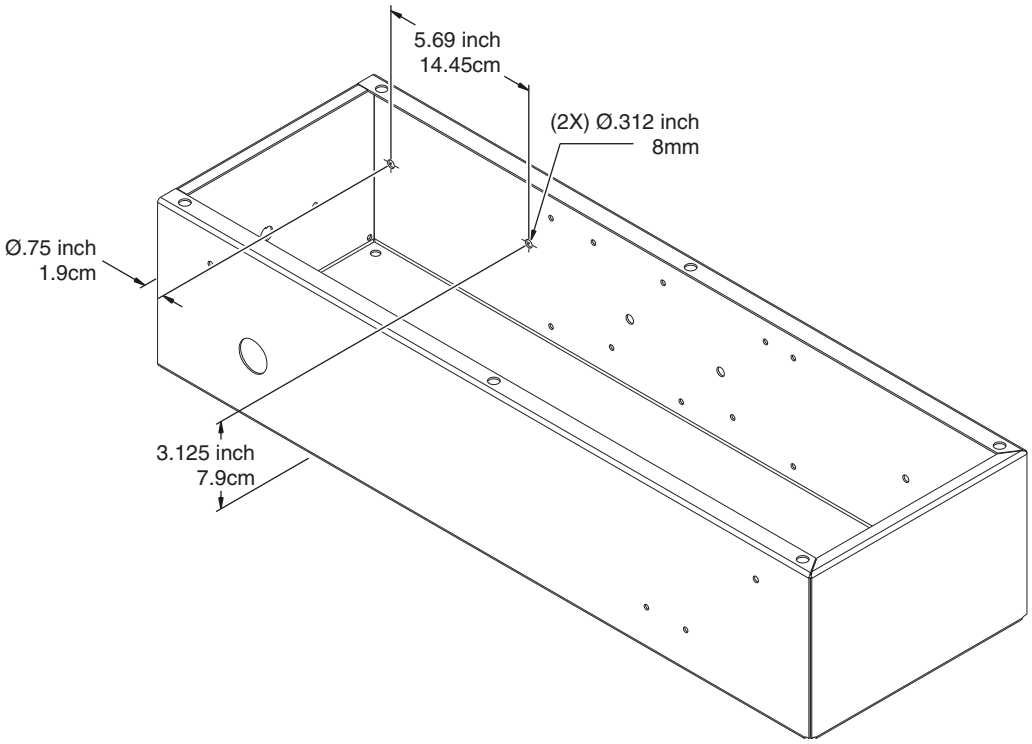


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

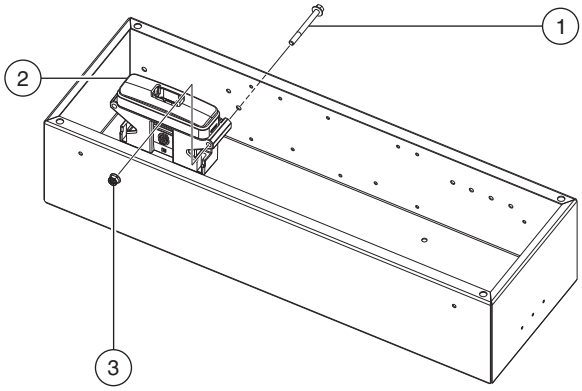
Illustration

S-40 • S-45 • S-60 • S-65 • S-60X • S-60XC • S-80 • S-85 • S-80X

Drilling Diagram



Plus+1 Module Installation

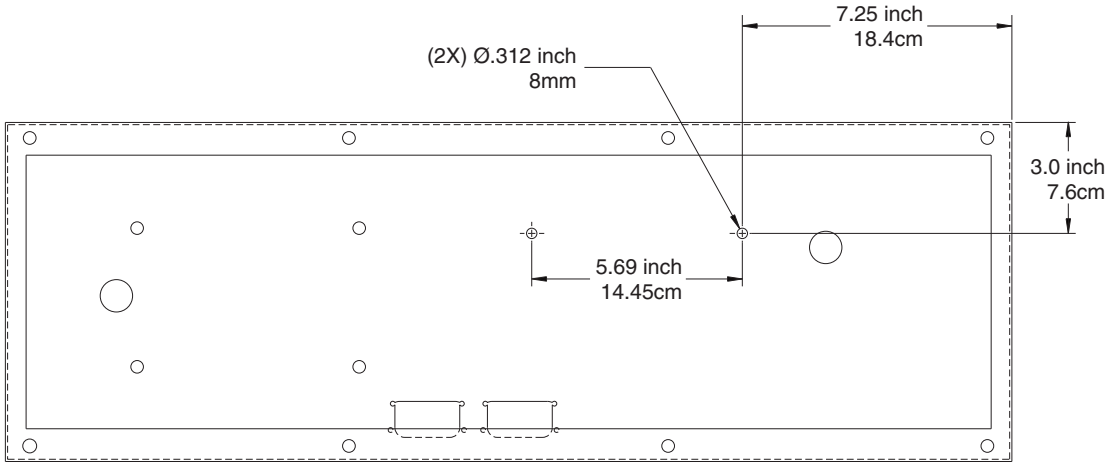


1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

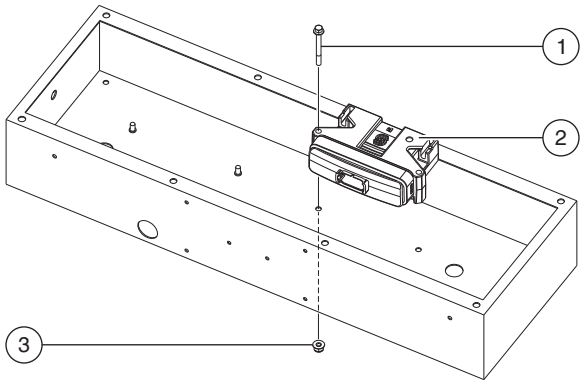
Illustration

S-100 • S-105 • S-120 • S-125 • S-100HD • S-120HD

Drilling Diagram



Plus+1 Module Installation



1 Screw, 1/4-20 x 2.5
2 Plus+1 module
3 Nylock flange nut, 1/4-20

Procedure

Contact Alarm Installation

Note: Refer to the *Contact Alarm Installation* illustration that is appropriate for your machine for steps 3 - 5.

Z-33/18 Models:

1 Drill two 9/32 inch / 7 mm holes in the top of the platform control box cover.

Note: Refer to the *Drilling Diagram* on page 25.

2 Use a deburring tool to remove any sharp edges from the holes.

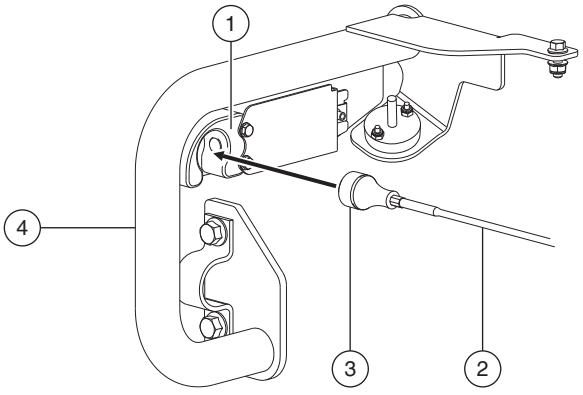
All Models:

3 Secure the left assembly (Genie part number 1278143GT, 1278176GT or 1280852GT) to the top of the platform control box cover with retaining fasteners (Genie part numbers 824078GT and 1277924GT)

4 Secure the bottom of the left assembly to the tube railing of the platform with tube clamp (Genie part number 1278363GT) and retaining fasteners (Genie part numbers 824090GT and 1274322GT).

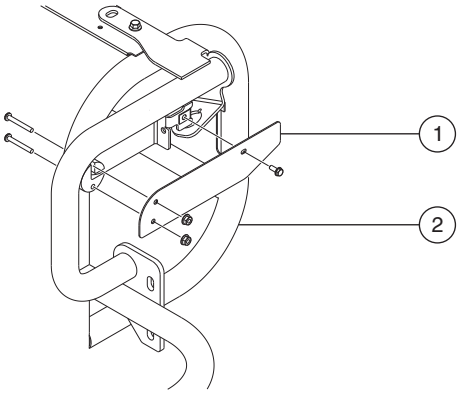
5 Repeat steps 3 and 4 for the right assembly (Genie part number 1278137GT, 1278174GT or 1280850GT).

6 Install the cable assembly magnet into the proximity sensor housing of the left assembly.



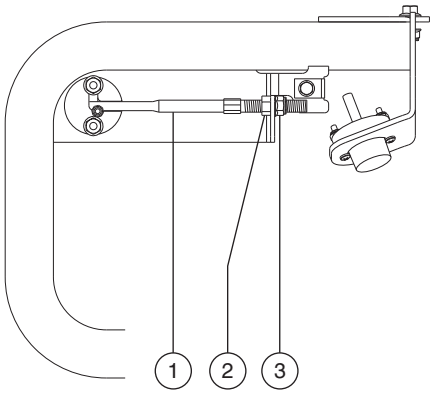
1 proximity sensor housing
2 cable assembly
3 magnet
4 left assembly

7 Remove the cable adjustment cover from the right assembly and set aside.



1 cable adjustment cover
1 right assembly

8 Loosen the jam nut on the cable assembly.



1 cable assembly
2 jam nut
3 adjustment nut

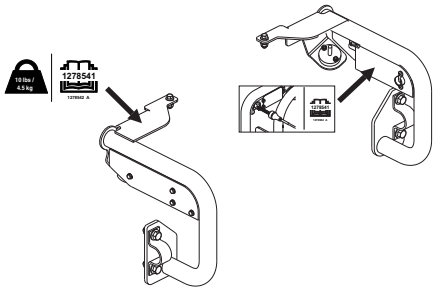
Procedure

9 Hold the cable assembly in position using a 7mm wrench. Turn the adjustment nut clockwise just until the magnet starts to pull away from the proximity sensor housing.

10 Turn the adjustment nut counterclockwise just until the magnet seats in the housing. Tighten the jam nut.

11 Install the cable adjustment cover.

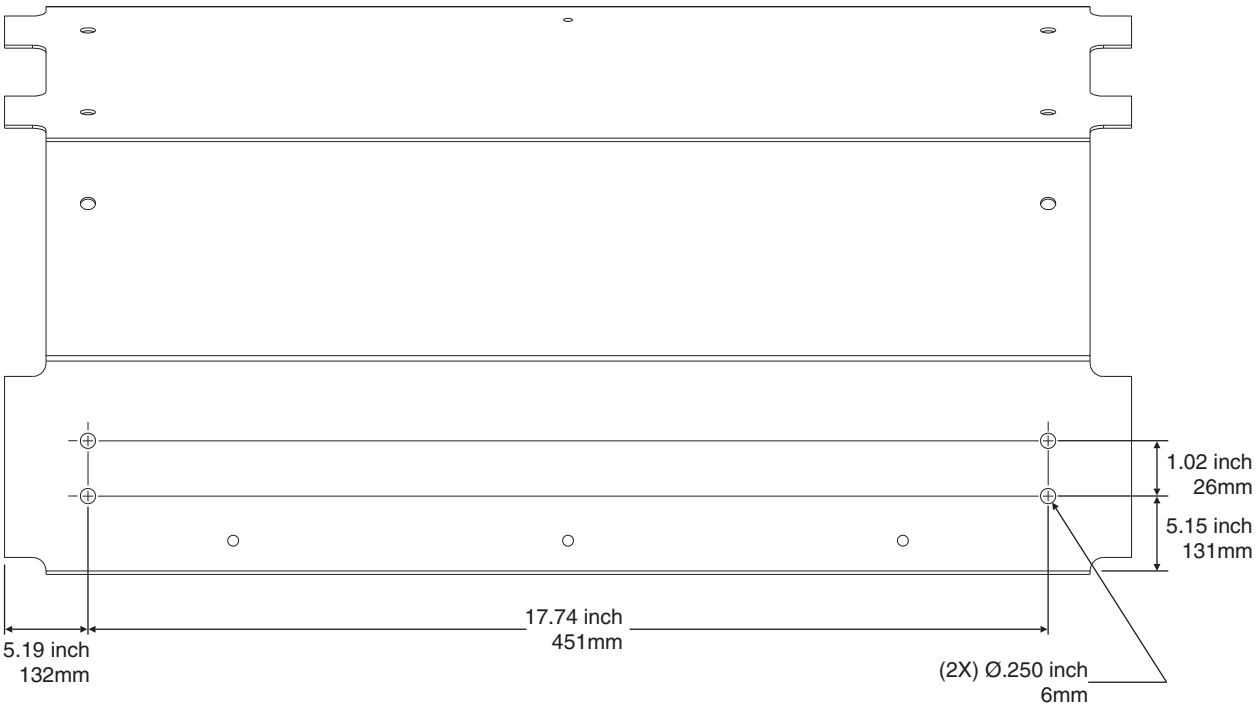
12 Adhere the weight decal (Genie part number 1278542GT) and the instruction decal (Genie part number 1278982GT) to the right and left assemblies.



Illustration

Z-33/18

Drilling Diagram

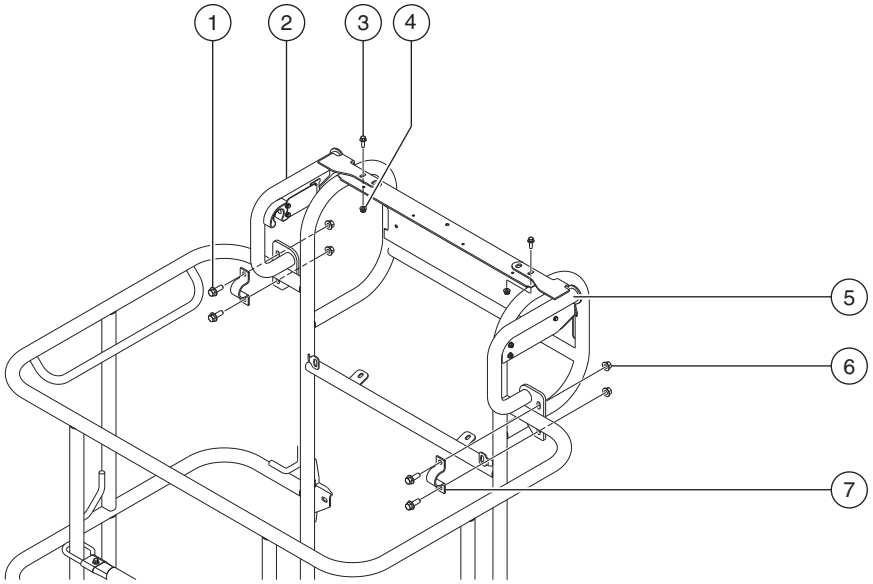


Illustration

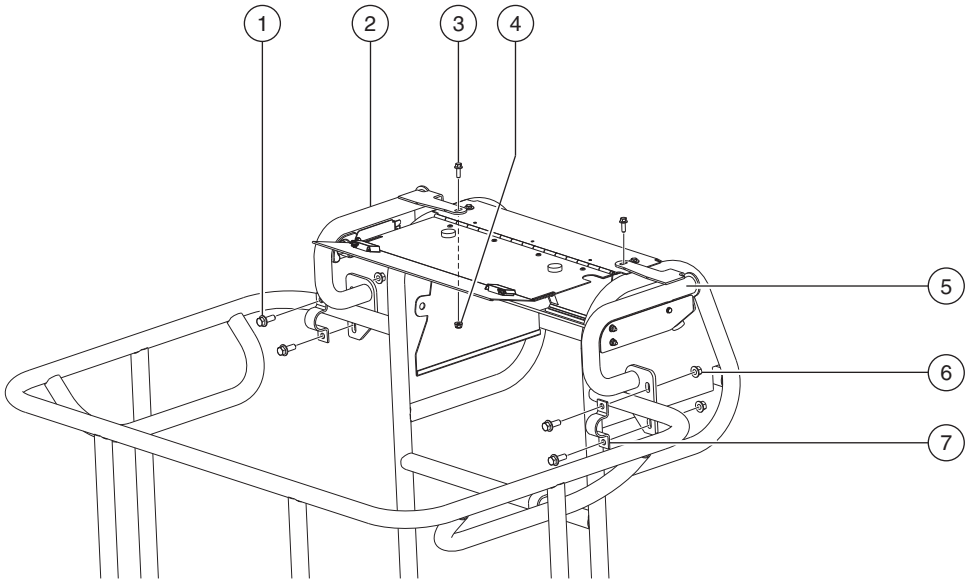
Contact Alarm Installation

4 and 5 ft / 1,2 and 1,5 m Platforms

(all other models)



Z-33/18 Models

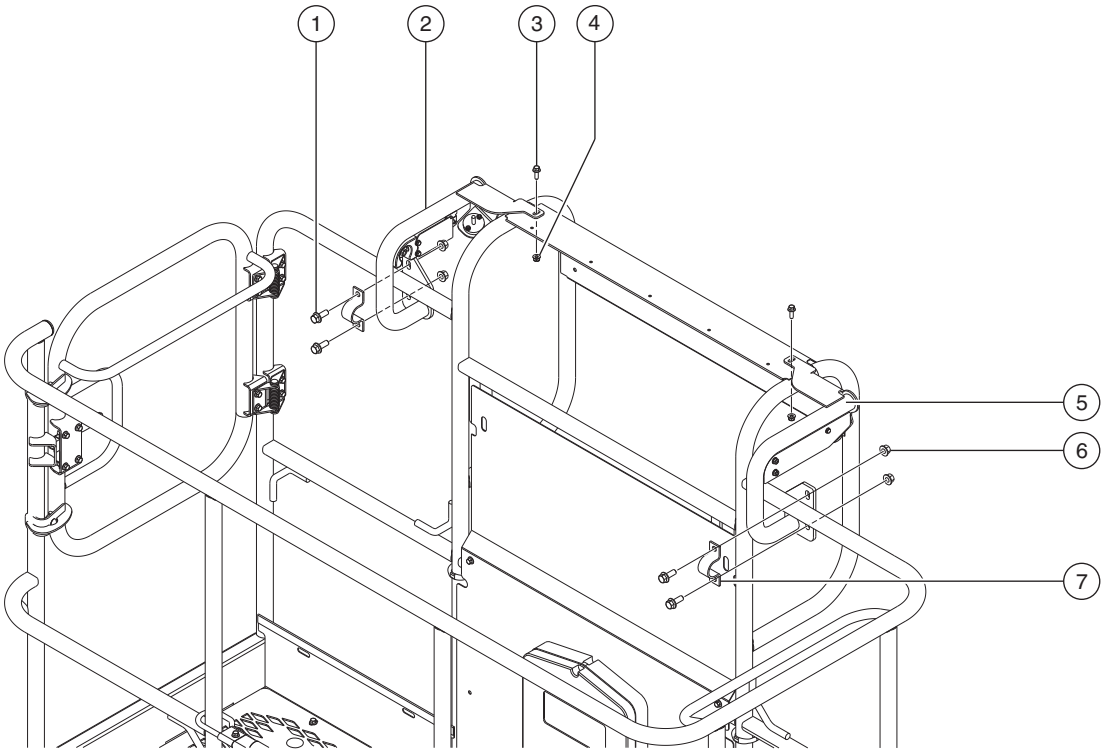


1 Screw, 3/8-16 x 1
2 Left assembly
3 Screw, 1/4-20 x .75
4 Nylock flange nut, 1/4-20
5 Right assembly
6 Nylock flange nut, 3/8-16
7 Tube Clamp

Illustration

Contact Alarm Installation

6 and 8 ft / 1,8 and 2,4 m Platforms



1 Screw, 3/8-16 x 1
2 Left assembly
3 Screw, 1/4-20 x .75
4 Nylock flange nut, 1/4-20
5 Right assembly
6 Nylock flange nut, 3/8-16
7 Tube Clamp

Procedure

Harness Installation

All models:

1 Open the platform control box.

2 Install squeeze connector and nut (Genie part numbers 7056GT and 6935GT) supplied with harness assembly (Genie part number 1278116GT, 1278117GT or 1280845GT) into the bottom of the control.

3 Install the harness assembly through the squeeze connector from inside the control box.

4 Connect the J110 connector to the Plus+1 module. Refer to the *Harness Diagram*.

5 Connect the appropriate relay to the harness assembly. Refer to the *Harness Diagram* that is appropriate for your machine.

Z-30, Z-33, Z-34, Z-40, Z-45, Z-60 DC/BE/FE models: Use relay (Genie part number 78098GT).

All other models: Use relay (Genie part number 19274GT).

6 **Z-33 models:** Secure the relay to the hole drilled in the right side of the control box with the provided retaining fasteners (Genie part numbers 825039GT and 824032GT).

All other models: Secure the relay to the platform control harness using cable tie (Genie part number 21121GT).

7 Continue with the *Harness Installation* procedure that is appropriate for you machine.

Harness Installation

ALC-1000 models:

Note: Refer to the inside cover for models included.

Note: Refer to the *Harness Diagrams* and *Electrical Schematics*.

1 Disconnect the brown wire from the audible alarm in the control box.

2 Connect the brown ground wire with the piggyback spade terminal to the alarm.

3 Connect the brown wire removed at step 1 to the piggyback spade terminal.

4 Connect the green wire (C46HRN) of the harness assembly to the horn button terminal with the green wire.

5 Secure any loose wires to the platform control harness using cable ties.

6 Close the platform control box.

7 Tighten the cable restraint securing the harness assembly.

8 Install plug connectors (Genie part numbers 119066GT, 60441GT, 60757GT, T110954GT, T110955GT, 1277904GT and 1277905GT) to the remaining loose pin and socket terminals of the harness assembly. Refer to the *Harness Diagram* and *Connector Pin Legend*.

9 Disconnect the foot switch from the control box harness. Disconnect the wires from the foot switch plug connector of the control box harness. Set the connector aside.

10 Install the wires that were removed into terminals A and B of 3 way plug connector (Genie part number 119057GT). Insert plug lock (Genie part number 60427GT) into the connector. Connect it to the 3 way receptacle plug of the harness assembly.

Procedure

11 Connect the black / white wire (R26FTS) of the harness assembly to terminal 1 of the foot switch plug connector.

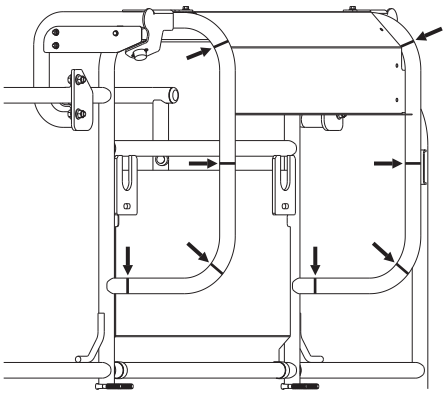
12 Connect the red / white wire (P24FS) of the harness assembly to terminal 2 of the foot switch plug connector.

13 Connect the foot switch to the harness assembly.

14 Connect the harness assembly to the lights and the proximity sensor.

15 Secure wire loom (Genie part numbers 53471GT and 94652GT) to the harness assembly using cable ties (Genie part number 21121GT). Refer to the *Harness Diagram*.

16 Secure the harness to the platform tubes rails using cable ties (Genie part number 28443GT).



17 Perform function test. Refer to the supplement Operator's Manual (Genie part number 1278541GT).

18 Insert the supplement Operator's Manual into the manual storage box located in the platform.

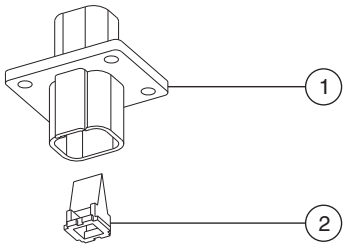
Harness Installation

Z-33 models:

Note: Refer to the *Harness Diagrams* and *Electrical Schematics*.

1 Disconnect the foot switch harness from the control box.

2 Remove the receptacle lock from control box foot switch connector and set aside.



1 connector
2 receptacle lock

3 Remove the red and white wires from the foot switch connector (C31A) inside the control box.

4 Connect the white wire to pin 1 and the red wire to pin 2 of the C31 receptacle. Genie part number 119065GT.

5 Insert the receptacle lock into the C31 receptacle. Genie part number 60439GT.

6 Connect the C31 receptacle to the 2 pin connector plug of the harness assembly.

7 Locate the loose red and black/white wires of the harness assembly.

8 Connect the black/white wire to pin 1 and the red wire to pin 2 of the foot switch connector (C31A). Refer to step 3.

Procedure

9 Insert the receptacle lock set aside. Refer to step 2.

10 Connect the foot switch harness to the control box.

11 Strip the ends of the 3 brown wires of the harness assembly.

12 Connect the brown wires to terminals 7 and 8 of the terminal strip located in the bottom of the control box.

13 Connect the white wire with the fork terminal of the harness assembly to terminal 3 of the horn button.

14 Secure any loose wires to the platform control harness using cable ties.

15 Close the platform control box.

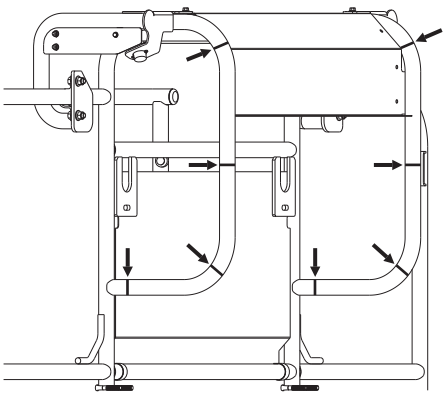
16 Tighten the cable restraint securing the harness assembly.

17 Install plug connectors (Genie part numbers T110954GT, T110955GT, 1277904GT, 1277905GT, 119056GT and 60425GT) to the remaining loose pin and socket terminals of the harness assembly. Refer to the *Harness Diagram* and *Connector Pin Legend*.

18 Connect the harness assembly to the lights (C111 and C112) and the proximity sensor (C110).

19 Secure wire loom (Genie part number 94652GT) to the harness assembly using cable ties (Genie part number 21121GT). Refer to the *Harness Diagram*.

20 Secure the harness to the platform tubes rails using cable ties (Genie part number 28443GT).



21 Perform function test. Refer to the supplement Operator's Manual (Genie part number 1278541GT).

22 Insert the supplement Operator's Manual into the manual storage box located in the platform.

Procedure

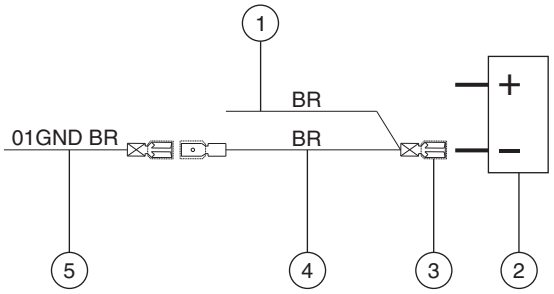
Harness Installation

All other models:

Note: Refer to the inside cover for models included.

Note: Refer to the *Harness Diagrams* and *Electrical Schematics*.

1 **Z-40 models:** Crimp female terminal (Genie part number 47251GT) onto the brown ground wire of the harness assembly. Disconnect the brown wire from the audible alarm in the control box. Cut and discard the spade terminal. Strip the end of the wire. Connect the wire from the alarm and the supplied brown wire assembly using female terminal (Genie part number 13826GT). Connect the terminal to the audible alarm. Connect the loose end of the wire to the harness assembly.



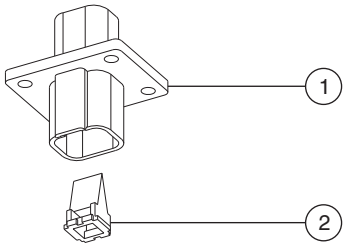
1 alarm ground
2 audible alarm
3 female terminal
4 wire assembly
5 harness assembly

Z-60/37 DC/FE models: Strip the end of the loose brown wire of the harness assembly. Install the end of the wire into one of the ground (GND) terminals of the terminal strip located on the right side of the control box.

All other models: Depending on model, the control box is equipped with a ground terminal strip or a ground stud. Crimp on the terminal (Genie part number 47251GT or 54809GT) that is appropriate for your machine and connect it to the ground circuit.

2 Disconnect the foot switch harness from the control box.

3 Remove the receptacle lock from control box foot switch connector and set aside.



1 connector
2 receptacle lock

4 Remove the black and white wires from the foot switch connector inside the control box and set side.

Z-60/37 DC/FE models: Secure the black wire to the control box harness using a cable tie. This will not be used.

5 Connect the black / white wire (R26FTS) of the harness assembly to terminal 1 of the foot switch plug connector.

6 Connect the red / white wire (P24FS) of the harness assembly to terminal 2 of the foot switch plug connector.

7 Insert the receptacle lock removed at step 3.

8 Connect the foot switch harness to the control box.

9 **Z-60 DC/FE models:** Continue to step 11.

All other models: Disconnect the black wire from the C9B connector of the harness assembly. Secure it to the harness assembly using a cable tie.

Procedure

10 Connect the black wire from step 4 to C9B-1.

11 Connect the white wire from step 4 to C9B-2.

12 Connect C9A to C9B of the harness assembly.

13 Connect the green wire (C46HRN) of the harness assembly to the horn button.

Z-40: Connect with the white wire.

Z-30, Z-34, Z-45, Z-51, Z-62: Connect with the black / red wire.

S-40, S-45, S-60, S-65, S-80, S-85, Z-60/34: Connect with the green wire.

14 **Z-60/37 DC/FE:** Connect the black wire with the fork terminal (P26PWR) of the harness assembly to terminal 2 of the red Emergency Stop button.

15 Secure any loose wires to the platform control harness using cable ties.

16 Close the platform control box.

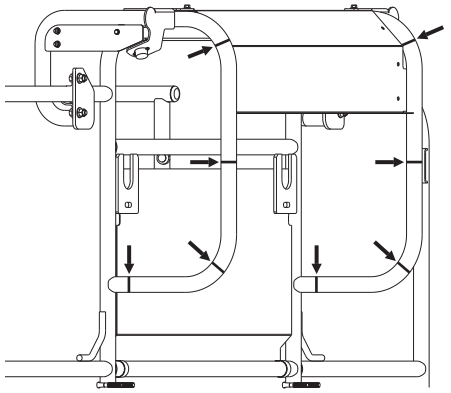
17 Tighten the cable restraint securing the harness assembly.

18 Install plug connectors (Genie part numbers T110954GT, T110955GT, 1277904GT and 1277905GT) to the remaining loose pin and socket terminals of the harness assembly. Refer to the *Harness Diagram* and *Connector Pin Legend*.

19 Connect the harness assembly to the lights and the proximity sensor.

20 Secure wire loom (Genie part number 94652GT) to the harness assembly using cable ties (Genie part number 21121GT). Refer to the *Harness Diagram*.

21 Secure the harness to the platform tubes rails using cable ties (Genie part number 28443GT).



22 Perform function test. Refer to the supplement Operator's Manual (Genie part number 1278541GT).

23 Insert the supplement Operator's Manual into the manual storage box located in the platform.

Procedure

Connector Pin Legend

C9A - Foot switch (ALC-1000 models)		
Pin number	**Circuit number**	**Wire color**
A	R26ESTP	Black
B	P24FS	Red / White
C	Plug	

C9A - Foot switch (All other models - excludes Z-33/18)		
Pin number	**Circuit number**	**Wire color**
1	R26ESTP	Black
2	P24FS	Red / White

C9B - Foot switch (All other models - excludes Z-33/18)		
Pin number	**Circuit number**	**Wire color**
1	R26ESTP	Black
2	P24FS	Red / White

C31 - Foot switch (Z-33/18 models)		
Pin number	**Circuit number**	**Wire color**
1	P23BAT	White
2	C56FTS	Red

C110 - Proximity sensor (Z-33 models)		
Pin number	**Circuit number**	**Wire color**
1	P23BAT	White
2	LSNC	Orange
3	01GND	Brown
4	LSNO	Orange / Black

C110 - Proximity sensor (All other models)		
Pin number	**Circuit number**	**Wire color**
1	R26ESTP	Black
2	LSNC	Orange
3	01GND	Brown
4	LSNO	Orange / Black

C111 - Left light		
Pin number	**Circuit number**	**Wire color**
1	LTCTRL	Black / Red
2	01GND	Brown
3	LTSIG	Yellow

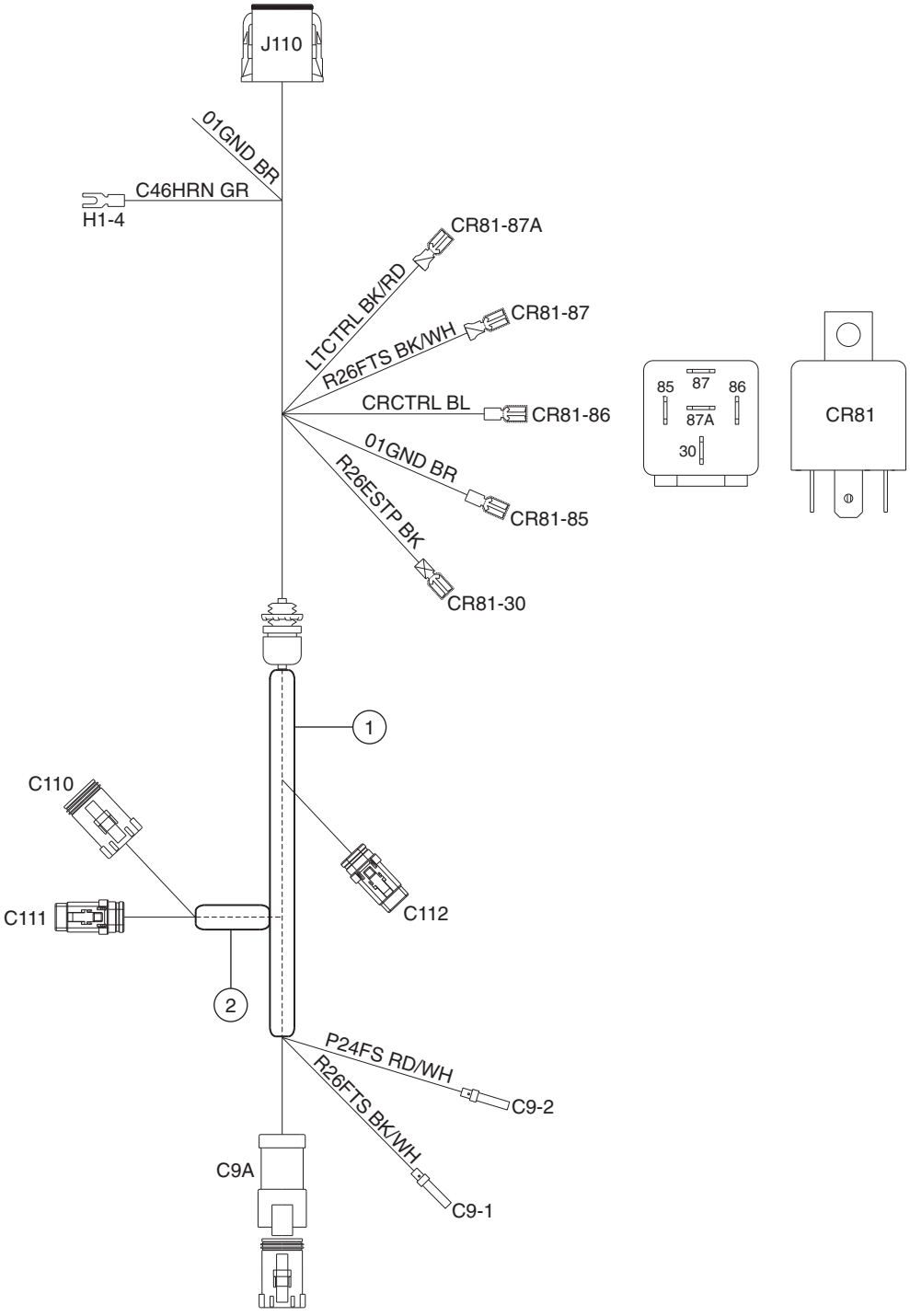
C112 - Right light		
Pin number	**Circuit number**	**Wire color**
1	LTCTRL	Black / Red
2	01GND	Brown
3	LTSIG	Yellow

J110 - Plus+1 module (Z-33 models)		
Pin number	**Circuit number**	**Wire color**
1	01GND	Brown
2	P23BAT	White
3	Plug	
4	Plug	
5	C56FTS	Red
6	Plug	
7	Plug	
8	LSNO	Orange / Black
9	LSNC	Orange
10	R26FTS	Black / White
11	C46HRN	White
12	CRCTRL	Blue

J110 - Plus+1 module (All other models)		
Pin number	**Circuit number**	**Wire color**
1	01GND	Brown
2	R26ESTP	Black
3	Plug	
4	Plug	
5	P24FS	Red / White
6	Plug	
7	Plug	
8	LSNO	Orange / Black
9	LSNC	Orange
10	R26FTS	Black / White
11	C46HRN	Green
12	CRCTRL	Blue

Schematic

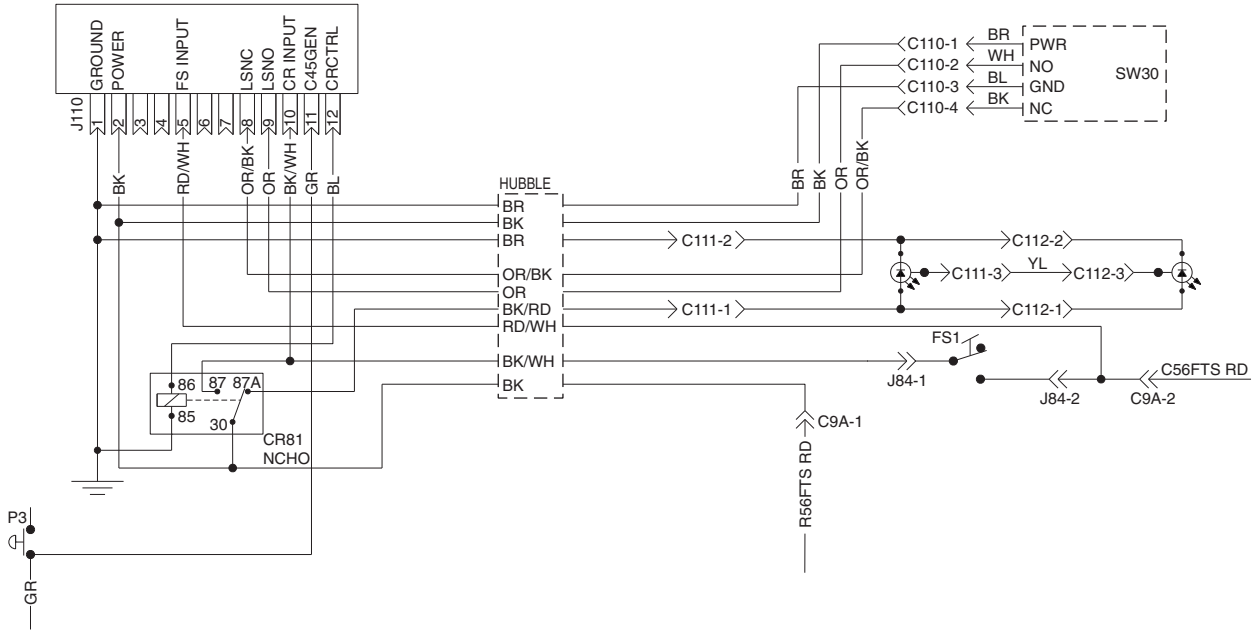
Harness Diagram - ALC-1000 Models



1. wire loom 1/2 inch / 1,3 cm
2. wire loom 3/8 inch / 1 cm

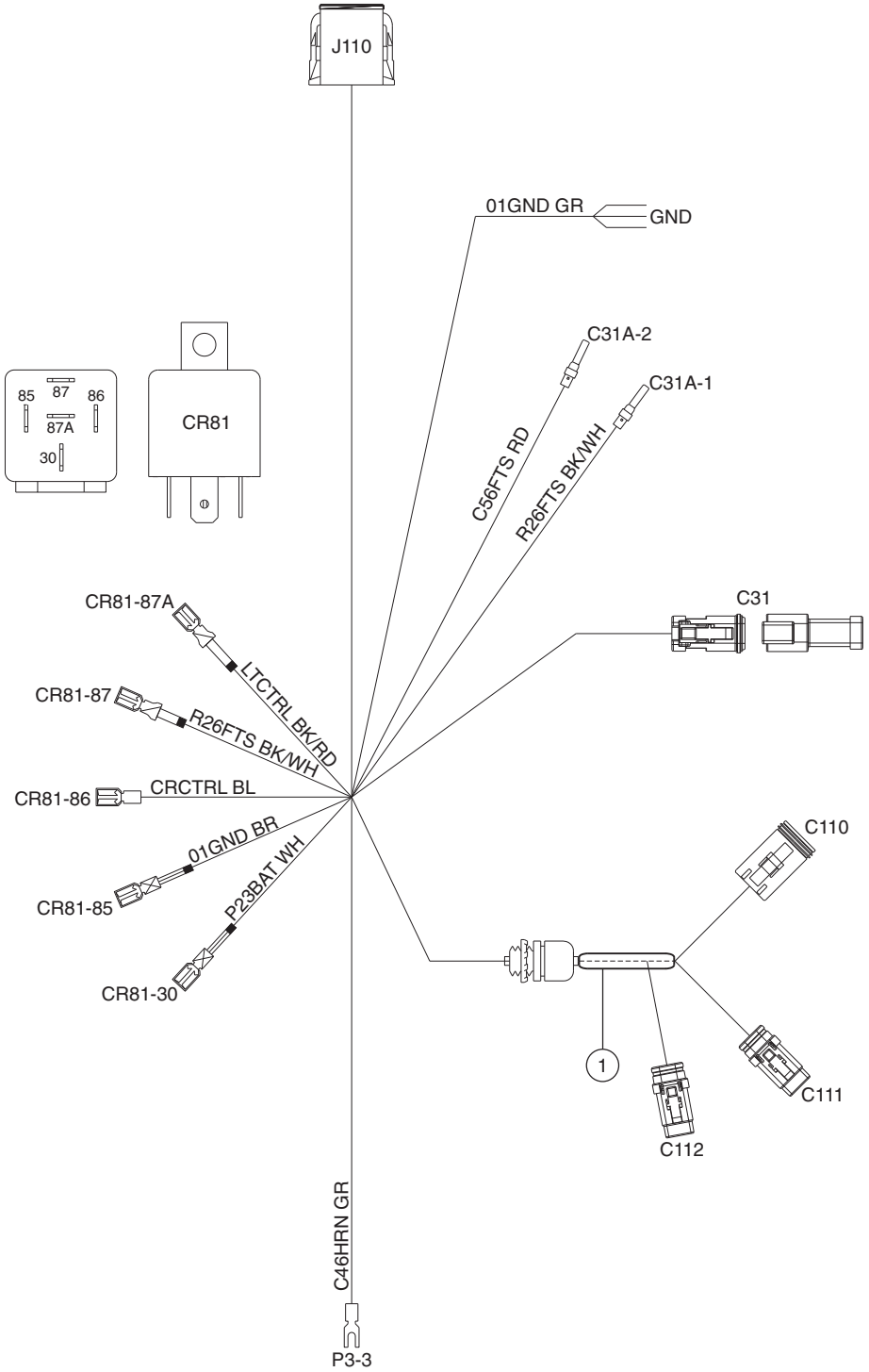
Schematic

Electrical Schematic - ALC-1000 Models



Schematic

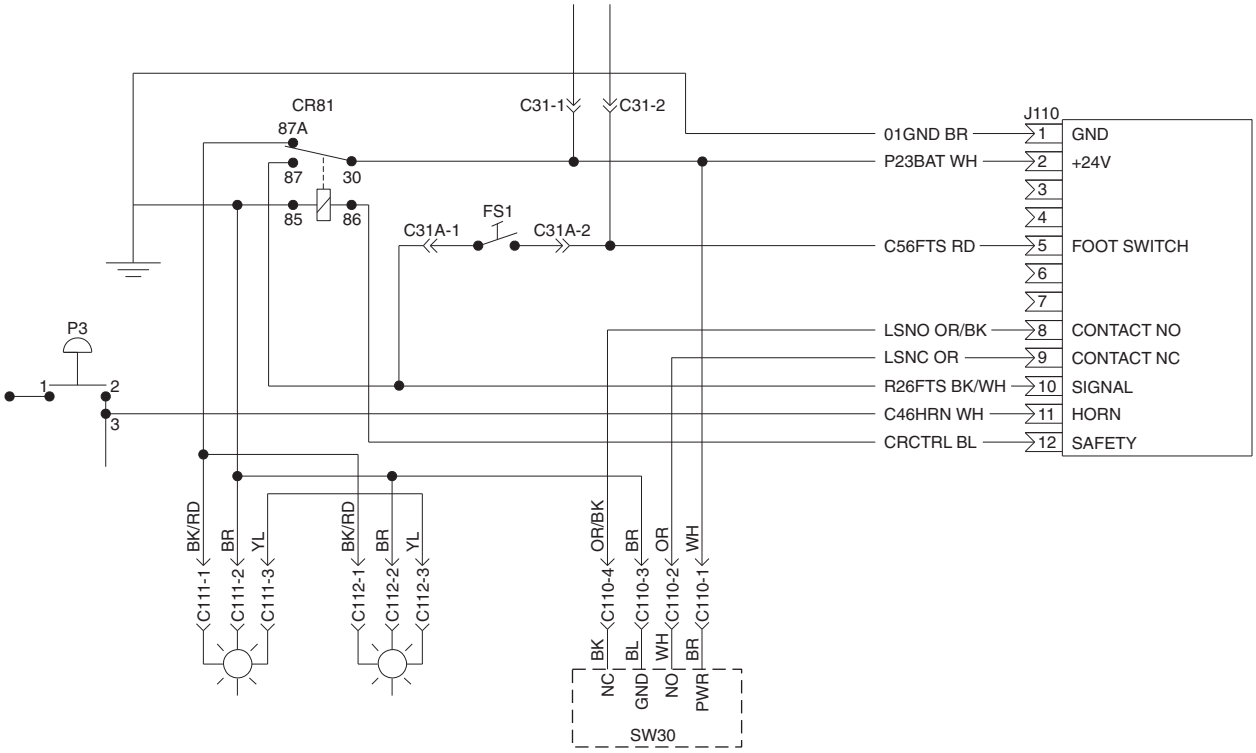
Harness Diagram - Z-33/18 Models



1. wire loom 1/2 inch / 1,3 cm

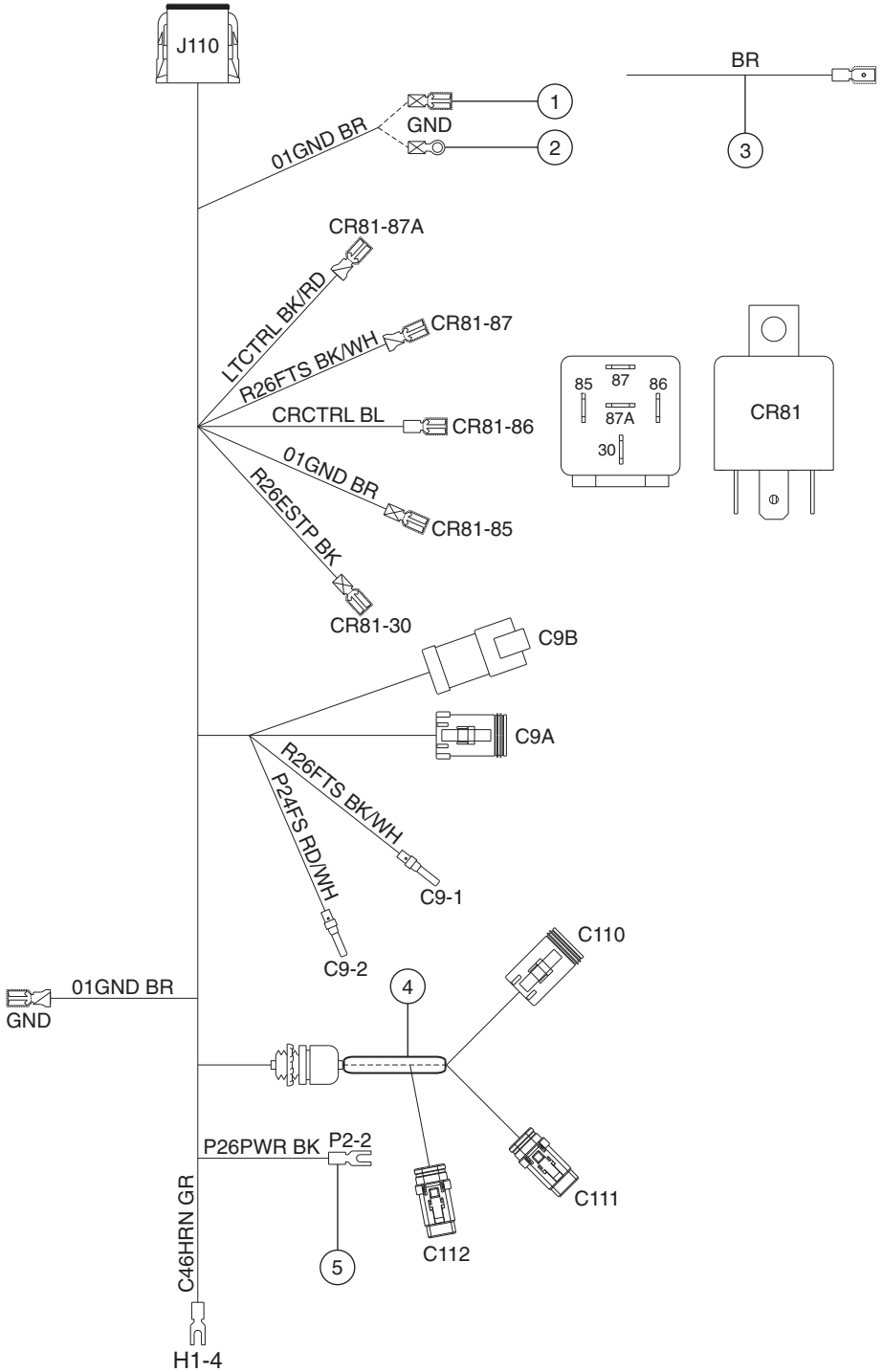
Schematic

Electrical Schematic - Z-33/18 Models



Schematic

Harness Diagram - All other models



1. Z-30, Z-34 and Z-40 models 2. all other models 3. Z-40 models 4. wire loom 5. Z-60/37 DC and Z-60/37 FE models

Schematic

Electrical Schematic - All other models

