Seat Belt Alarm Kit

Greensmaster® 3300, 3400, or Groundsmaster® 7200 Traction Unit

Model No. 50211

Installation Instructions

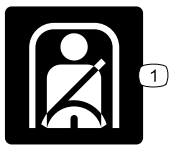
Note: This kit is compatible with traction unit models 30495, 04520, and 04510.

Safety

Safety and Instructional Decals

Safety decals and instructions are easily visible to the operator and are located near any area of potential danger. Replace any decal that is damaged or missing.

Decal Part: 161-8976



s_decal161-8976

1 Seat belt alarm

Decal Part: 164-7051



s_decal164-7051

1 Alarm

Preparing the Machine

1. Park the machine on a level surface.
2. Engage the parking brake.
3. Shut off the machine.
4. Disconnect the battery; refer to your *Operator's Manual*.

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8111 Lyndale Ave So
Bloomington, MN 55044

Register at
www.Toro.com

Original Instructions (EN)
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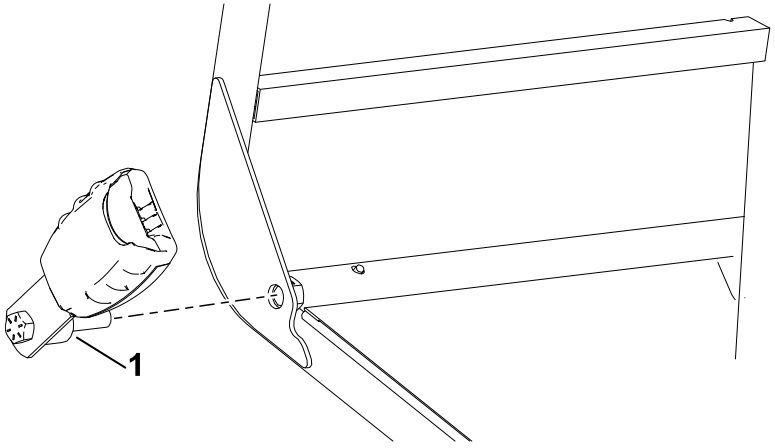
3485-606

Replacing the Seat Belt Buckle

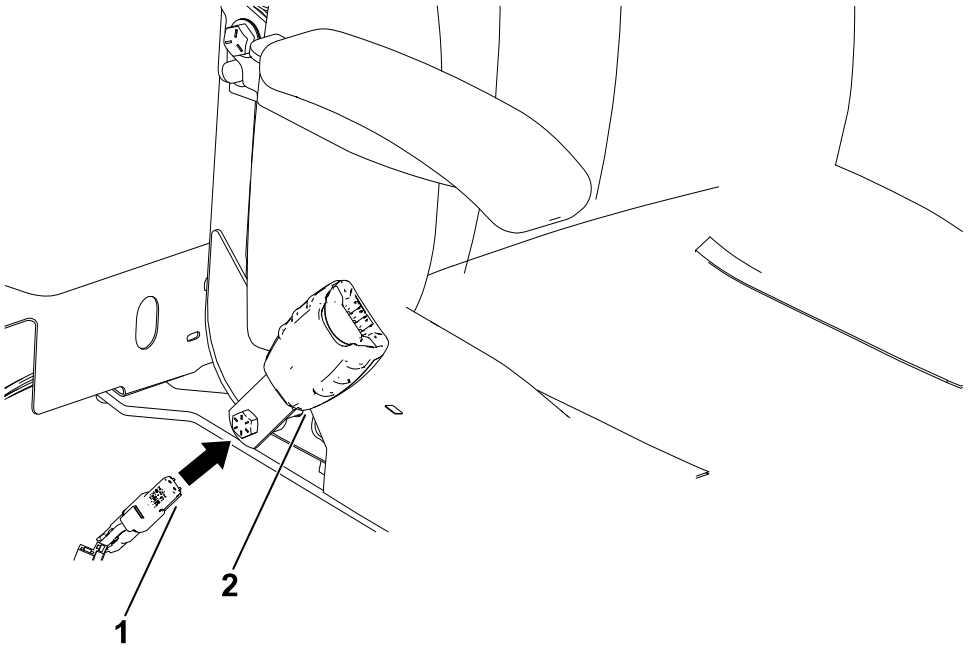
Parts Required

1	Seat belt buckle

1. Remove the existing seat belt buckle from the seat base.
2. Install the new seat belt buckle (1) using the previously removed nut and bolt.



3. Torque the bolt to **55 N·m (41 ft-lb)**.
4. Connect the seat belt buckle (2) to the 2-pin connector (1).



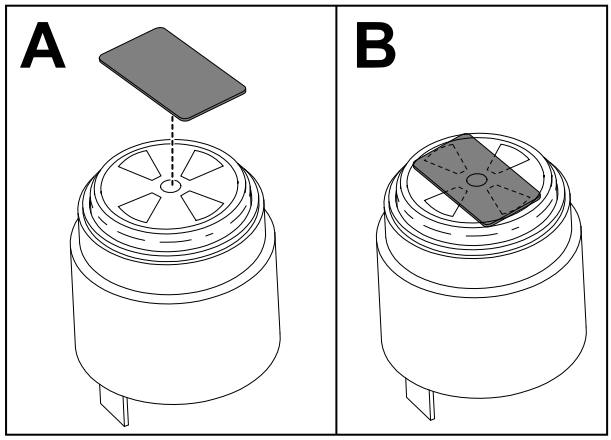
Greensmaster 3300 and 3400

Installing the Alarm

Parts Required

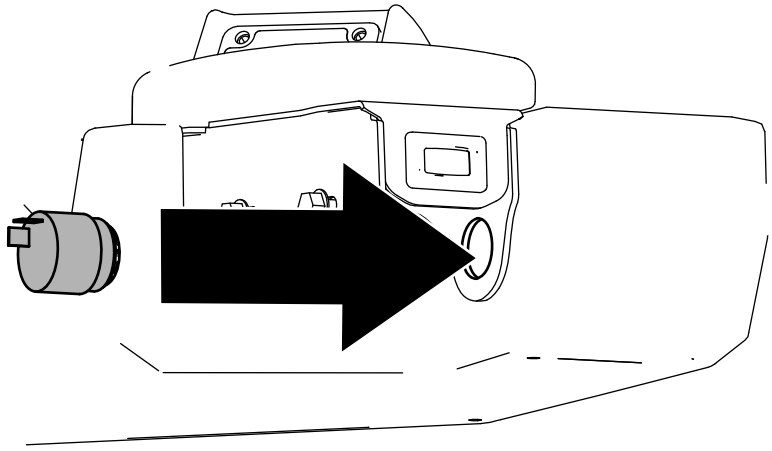
1	Alarm
1	Alarm decal

1. Install the alarm decal on the top of the alarm in the orientation shown.



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2. Install the alarm in the existing hole in the console bracket.



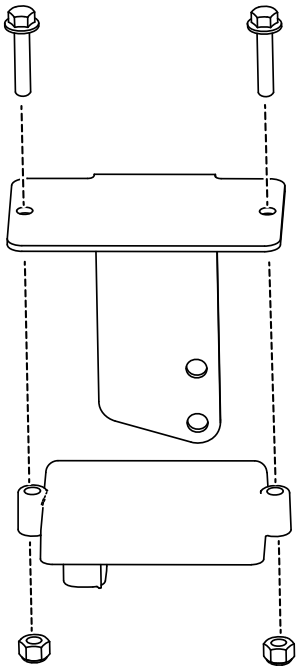
G609130

Installing the Inertial Measurement Unit (IMU)

Parts Required

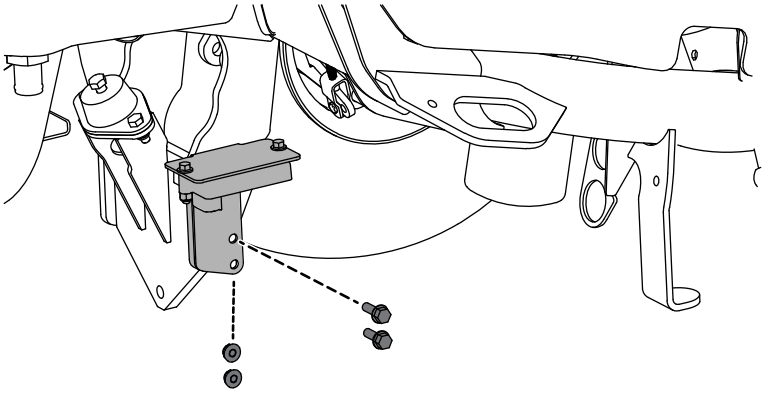
1	IMU
1	IMU bracket
2	Bolt (1/4 x 1-1/4 inches)
2	Nut (1/4 inch)
2	Bolt (5/16 x 1-1/4 inches)
2	Nut (5/16 inch)

1. Install the IMU onto the IMU bracket using 2 bolts (1/4 x 1-1/4 inches) and 2 nuts (1/4 inch).



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2. Install the IMU bracket onto the machine using 2 bolts (5/16 x 1-1/4 inches) and 2 nuts (5/16 inch).



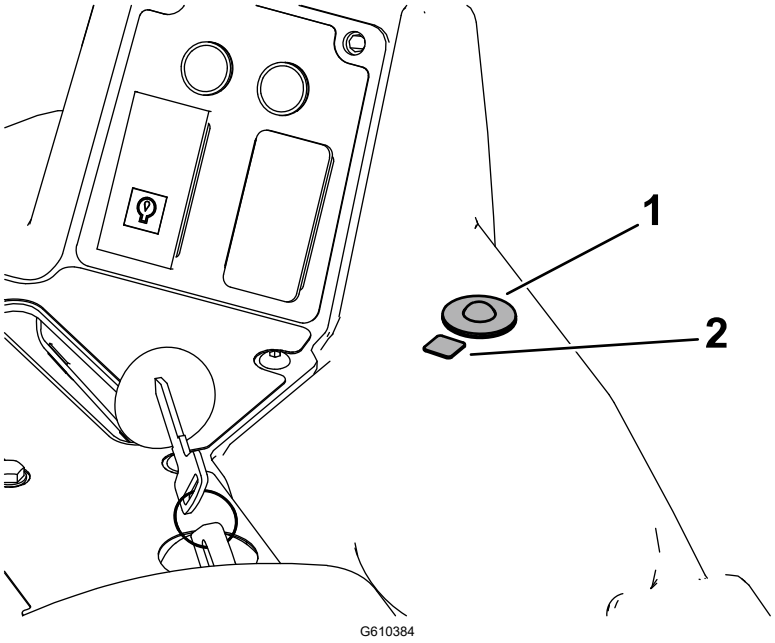
G609131

Installing the LED Indicator

Parts Required

1	LED indicator
1	Seat belt decal

1. Remove the bottom panel of the control console.
2. Drill a 3/4-inch hole in the console.
3. Install the LED indicator [1].



4. Add the seat belt decal [2] next to the LED indicator.

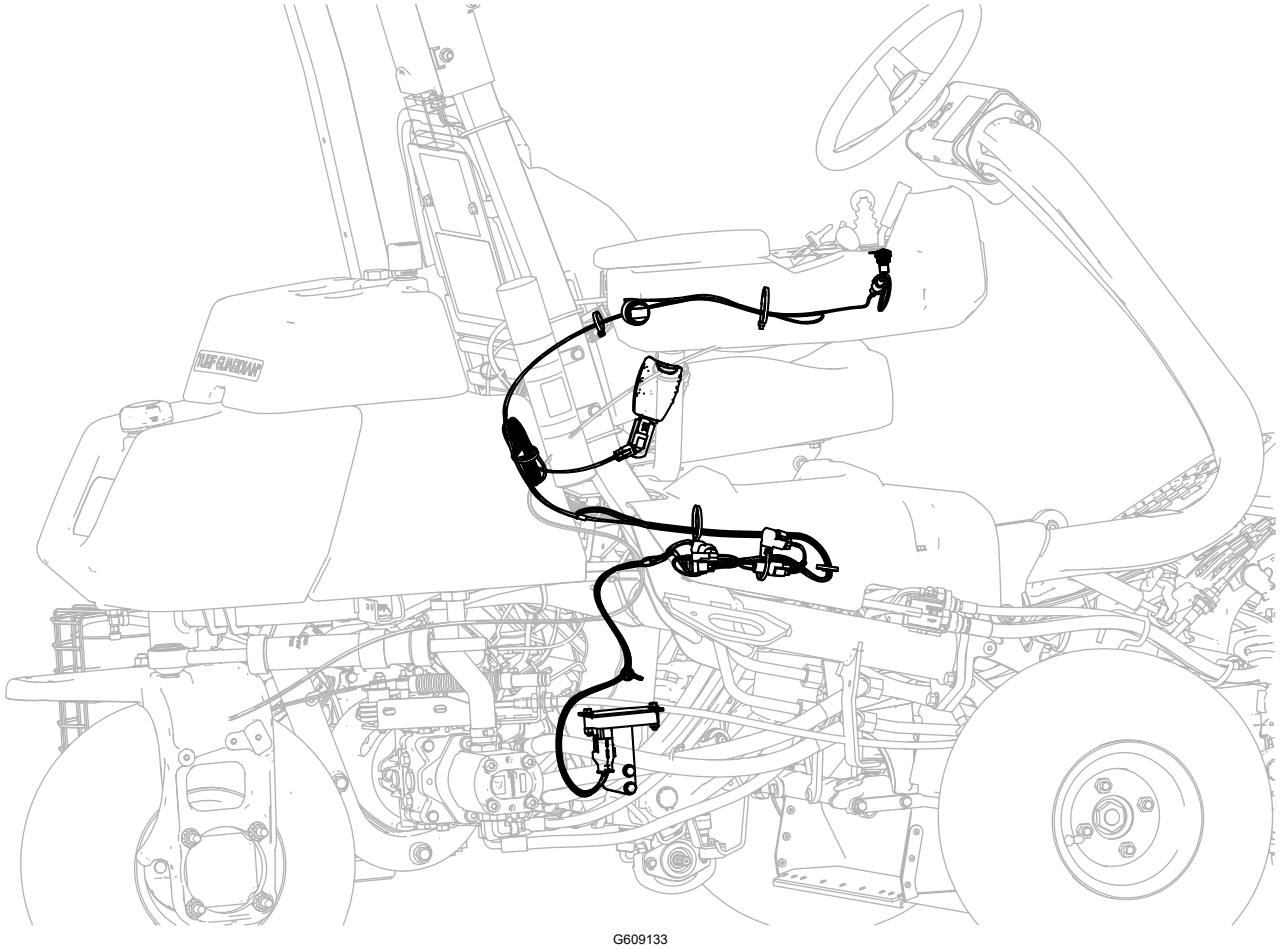
Routing the Wire Harness

Parts Required

1	Wire harness
6	Cable tie

Route the wire harness along the machine wire harness.

1. Connect the 12-pin connector (P01 K1 TSM1201) on the harness to the IMU connector.
2. Connect the 6-pin connector (P07 TO EXPANSION PORT) on the harness into the expansion port on the main wire harness.
3. Connect the 2-pin connector (P05 SEAT BELT SW) on the harness to the seat belt connector.
4. Connect the 2-pin connector (P02 AUDIO ALARM) on the harness to the alarm connector.
5. Connect the 2-pin connector (P03 VISUAL ALARM) on the harness to the light connector.

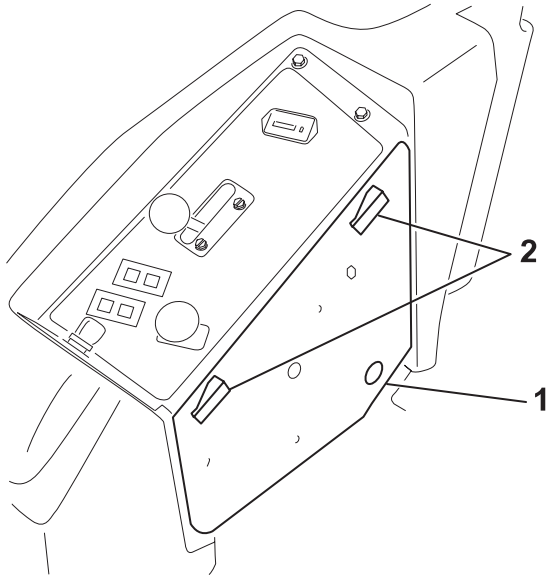


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6. Secure the wire harness with cable ties.

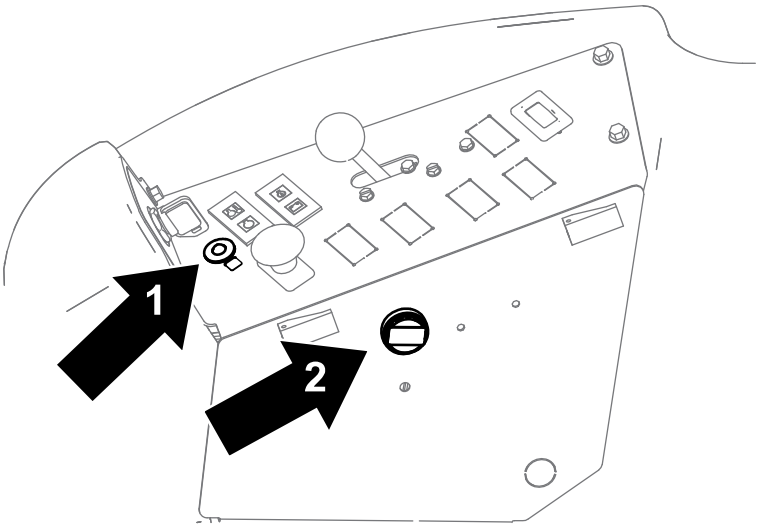
Preparing the Console

1. Open the side panel (1) using the latches (2).



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2. Drill the holes for the parts.



G609401

(1) 3/4 inch

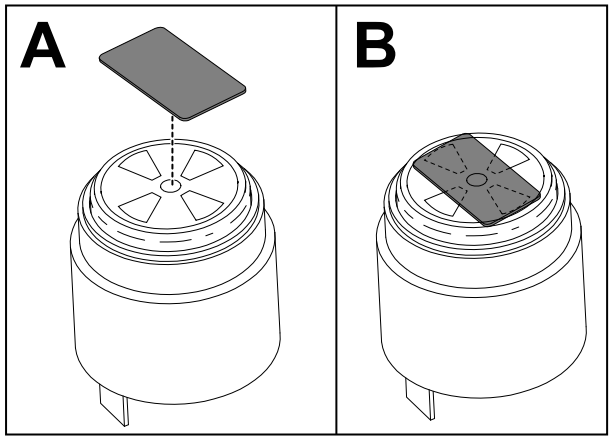
(2) 1-1/10 inches

Installing the Alarm and LED Indicator

Parts Required

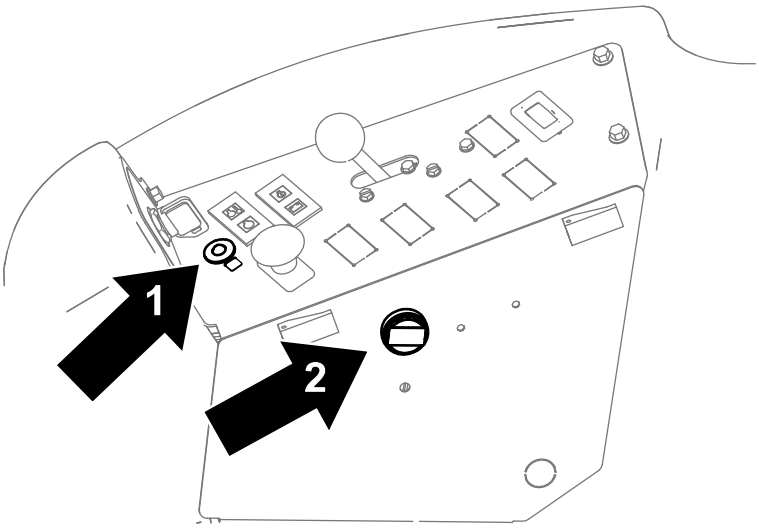
1	Alarm
1	Alarm decal
1	LED indicator
1	Seat belt decal

1. Install the alarm decal on the top of the alarm in the orientation shown.



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2. Install the alarm ② and LED indicator ①.



G609401

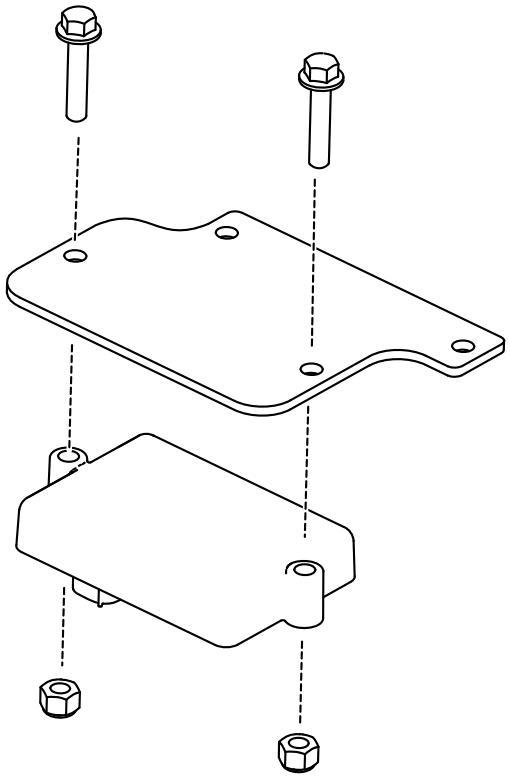
3. Add the seat belt decal next to the LED indicator.

Installing the Inertial Measurement Unit (IMU)

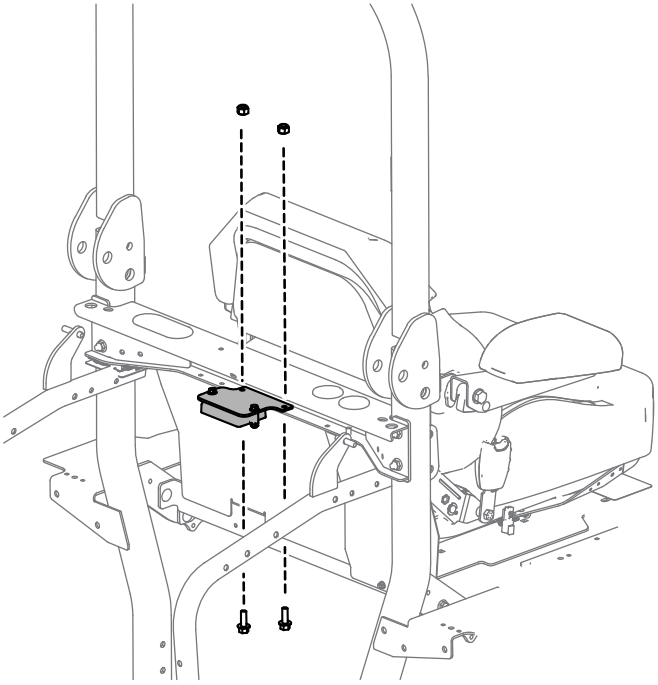
Parts Required

1	IMU
1	IMU bracket
2	Bolt (1/4 x 1-1/4 inches)
2	Bolt (1/4 x 3/4 inch)
4	Nut (1/4 inch)

1. Install the IMU onto the IMU bracket using 2 bolts (1/4 x 1-1/4 inches) and 2 nuts (1/4 inch).



2. Install the IMU bracket onto the machine using 2 bolts (1/4 x 3/4 inch) and 2 nuts (1/4 inch).



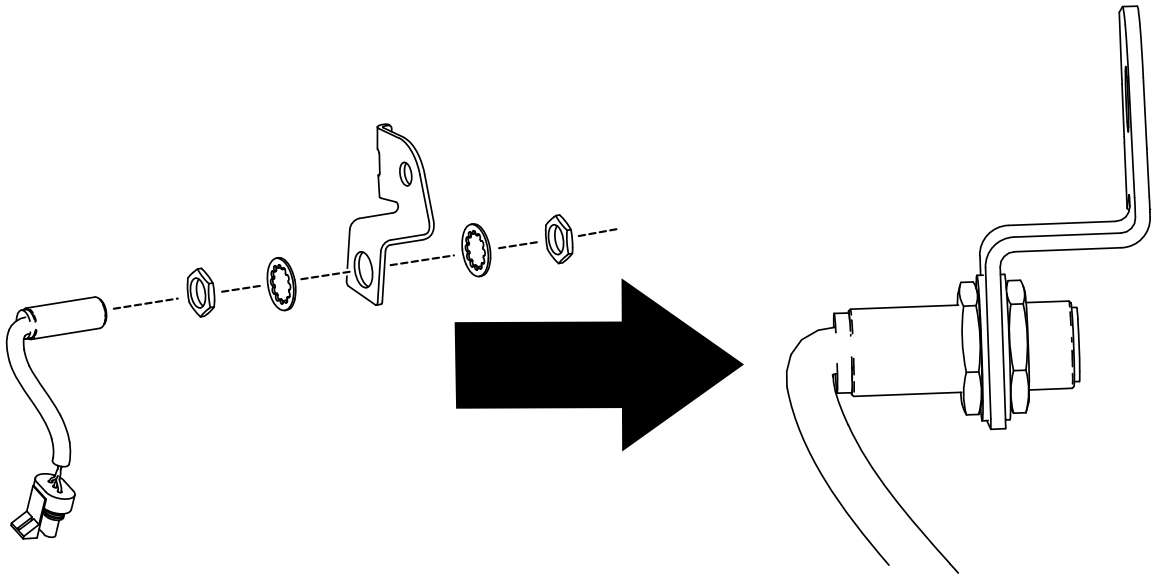
G610451

Installing the Proximity Sensor

Parts Required

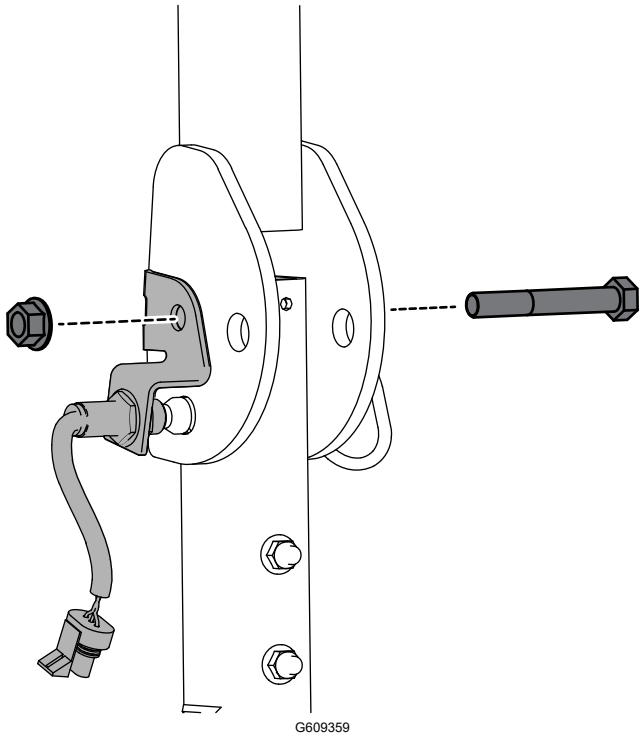
1	Proximity sensor
1	Bracket
1	Bolt (1/2 x 3-3/4 inches)

1. Loosely install the proximity sensor onto the bracket.



G609357

2. Secure the bracket to the ROPS assembly using the new bolt (1/2 x 3-3/4 inches) and existing nut.



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3. Adjust the sensor so that it is 5 mm or less from the ROPS pin.
4. Tighten the hardware on the sensor.

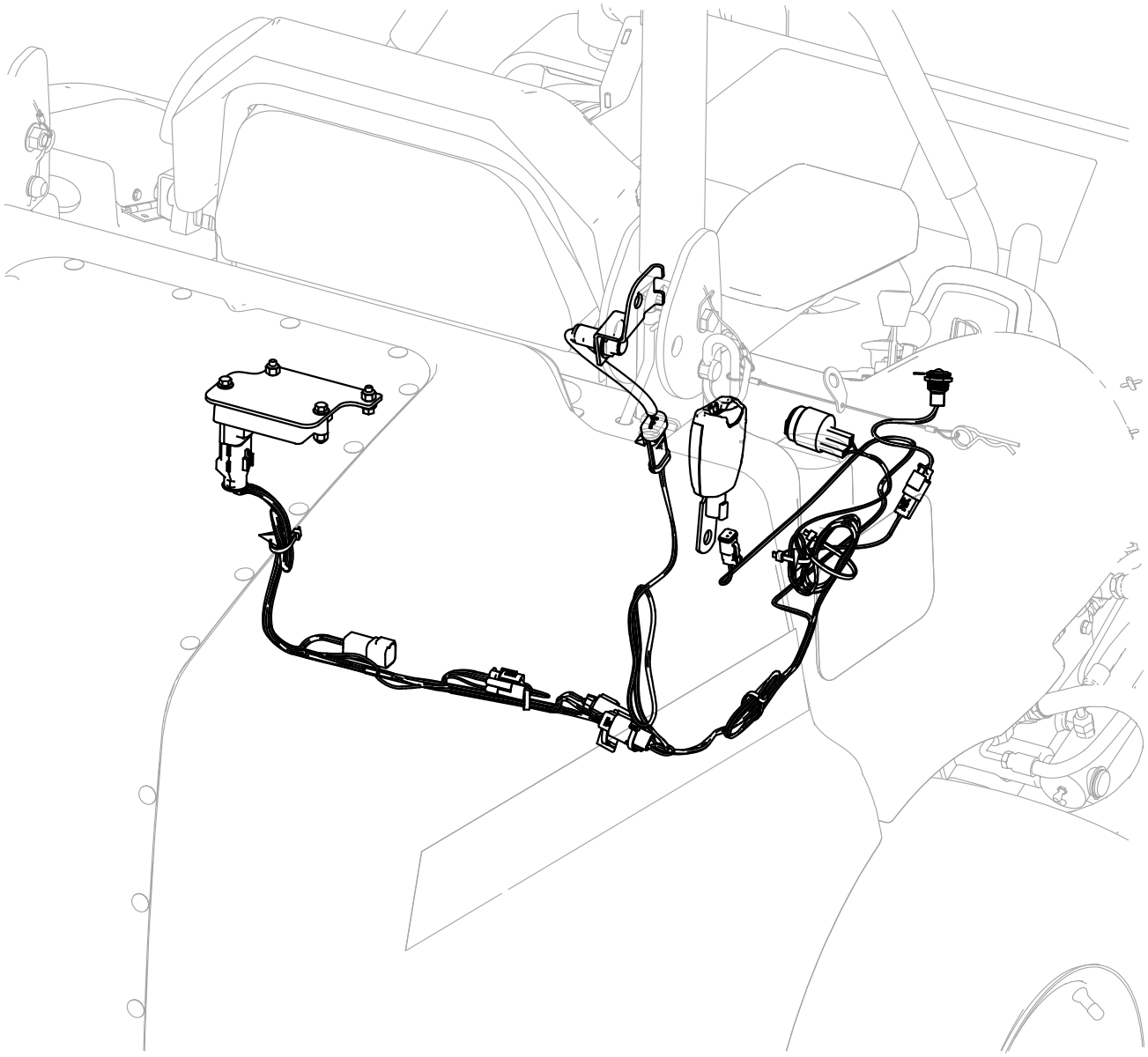
Routing the Wire Harness

Parts Required

1	Wire harness
6	Cable tie

Route the wire harness along the machine wire harness.

1. Connect the 12-pin connector (P01 K1 TSM1201) on the harness to the IMU connector.
2. Connect the 6-pin connector (P07 TO EXPANSION PORT) on the harness into the expansion port on the main wire harness.
3. Connect the 2-pin connector (P05 SEAT BELT SW) on the harness to the seat belt connector.
4. Connect the 2-pin connector (P02 AUDIO ALARM) on the harness to the alarm connector.
5. Connect the 3-pin connector (P12 TO ROPS HARNESS) on the harness to the proximity sensor.
6. Connect the 2-pin connector (P03 VISUAL ALARM) on the harness to the light connector.

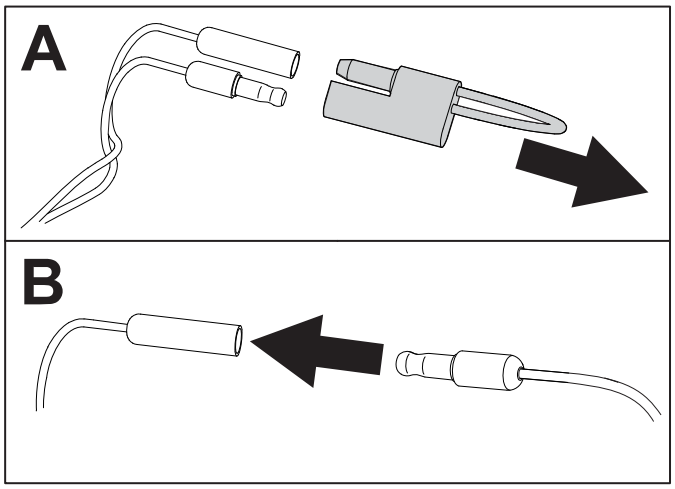


G609360

7. Secure the wire harness with cable ties.

Calibrating the Kit

1. Move the machine to level ground and ensure that the vehicle is not moved during calibration.
2. Locate the calibration jumper on the alarm harness located near the IMU.
3. Remove the calibration jumper from the 2 bullet terminals and connect the 2 terminals together.



G610386

4. Turn on the machine and allow at least 30 seconds for automatic calibration. Once complete, the LED will illuminate to confirm calibration.

   Note: Ensure that the vehicle is not moved during calibration.
5. Turn off the machine, disconnect the terminals, and install the calibration jumper onto the 2 bullet terminals.

Testing the Alarm Function

1. Connect the battery.
2. Unlatch the seat belt.
3. Briefly drive the machine in an open area.
4. Verify that the audible and visual alarms are active.

Notes:


TORO®