Seat Belt Alarm Kit

Greensmaster® 3320, 3420, 3360, or 3370 Series Traction Unit with ROPS

Model No. 50263

Installation Instructions

Note: This kit is compatible with traction unit models 04530, 04540, 04580, and 04591.

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: 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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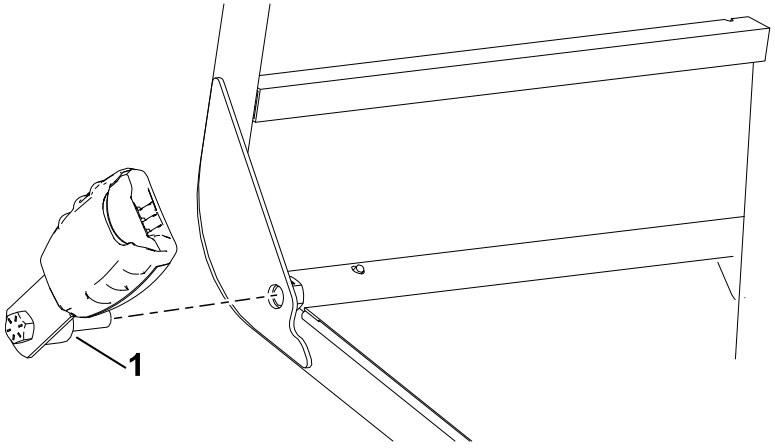
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Replacing the Seat Belt Buckle

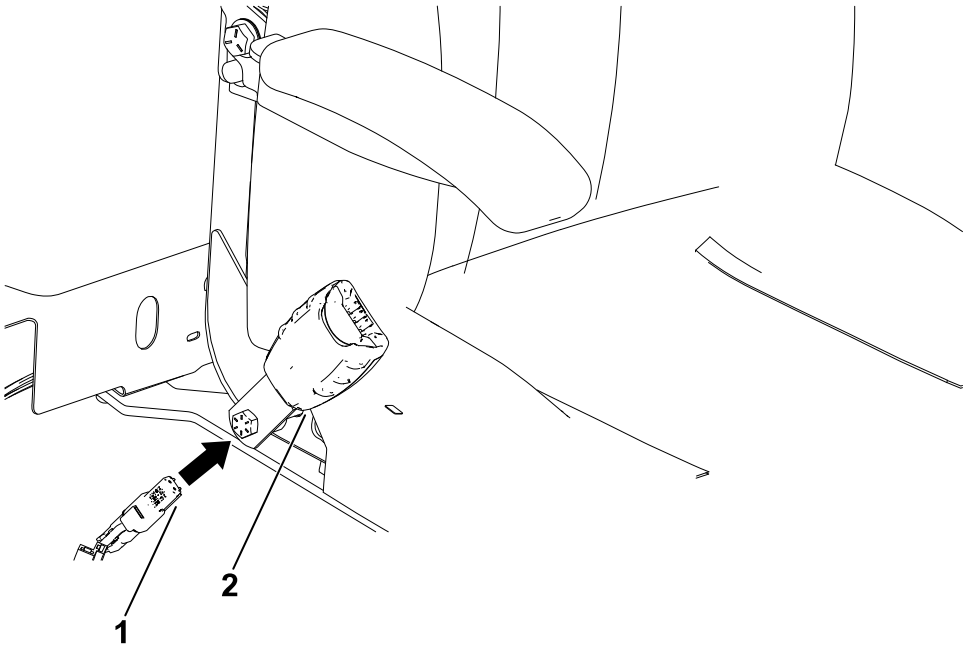
Parts Required

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).



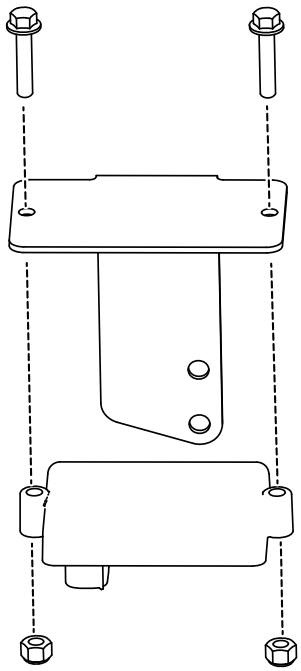
Models 04530 and 04540

Installing the Inertial Measurement Unit (IMU)

Parts Required

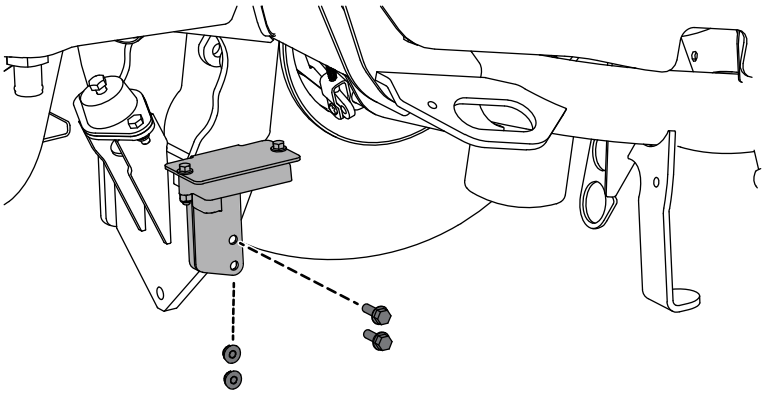
1	IMU
1	IMU bracket
2	Bolt (1/4 x 1-1/4 inches)
2	Nut (1/4 inch)
2	Bolt (5/16 x 1 inch)
2	Nut (5/16 inch)

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 inch) and 2 nuts (5/16 inch).



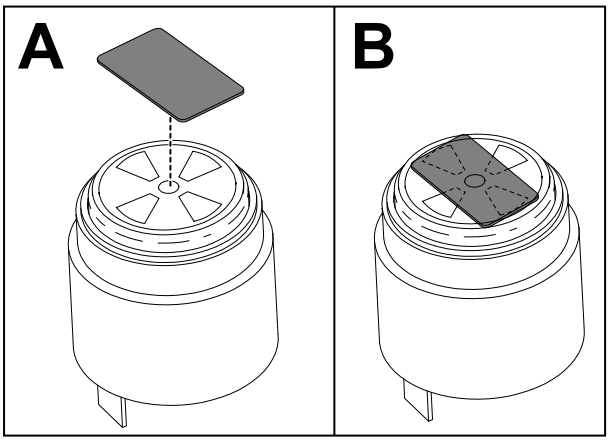
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Installing the Alarm

Parts Required

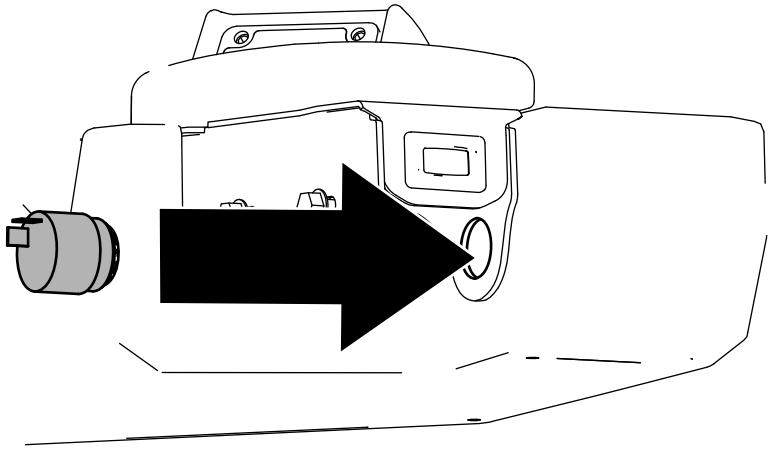
1	Alarm
1	Alarm decal

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.



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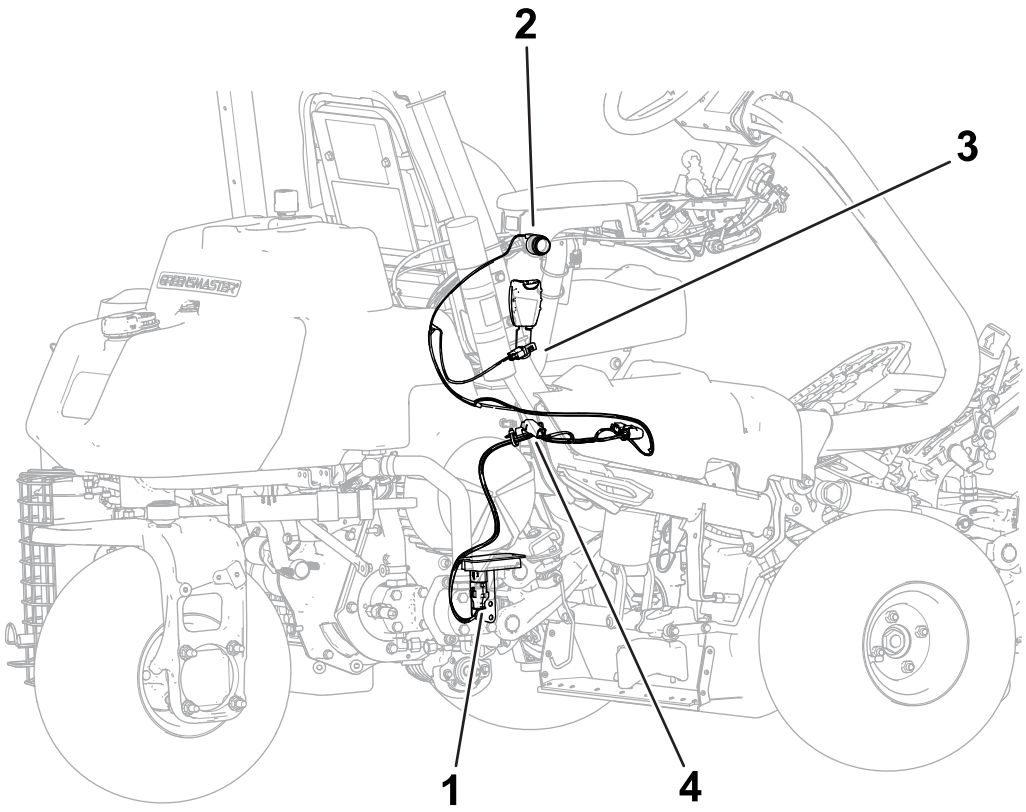
Routing the Wire Harness

Parts Required

1	Wire harness

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 to 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.



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1. 12-pin connector (P01 K1 TSM1201)
2. 2-pin connector (P02 AUDIO ALARM)
3. 2-pin connector (P05 SEAT BELT SW)
4. 6-pin connector (P07 TO EXPANSION PORT)

5. Secure the kit wire harness to the machine wire harness using cable ties.

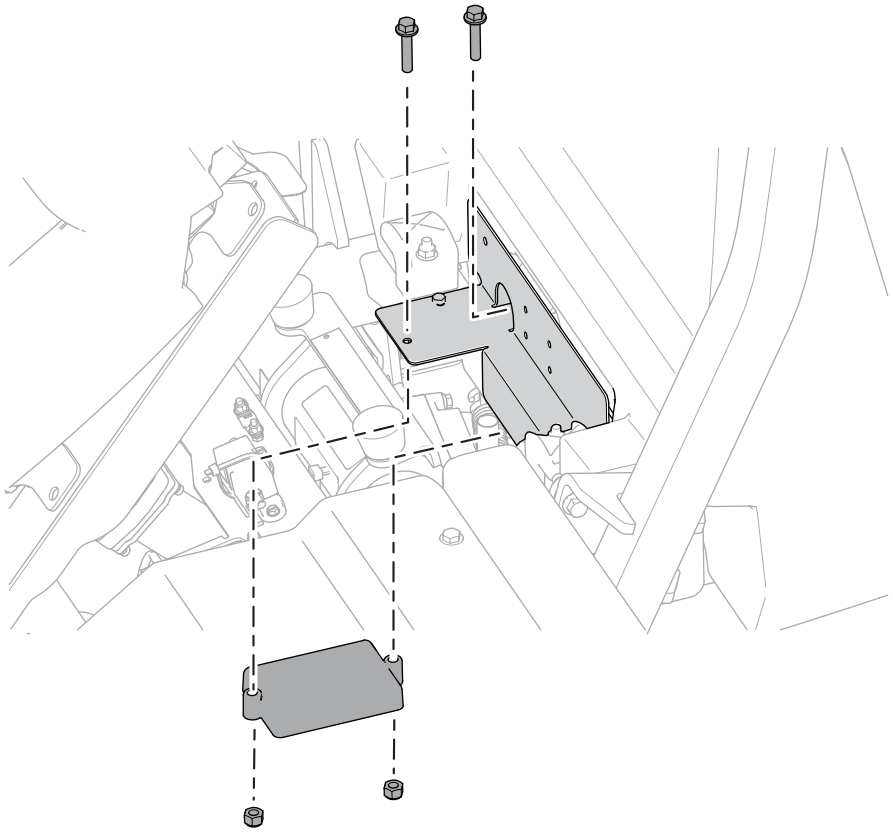
Models 04580 and 04591

Installing the Inertial Measurement Unit (IMU)

Parts Required

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

1. Unlatch the seat and tilt it forward.
2. Install the IMU to the underside of the existing pulley cover bracket using 2 bolts (1/4 x 1-1/4 inches) and 2 nuts (1/4 inch).



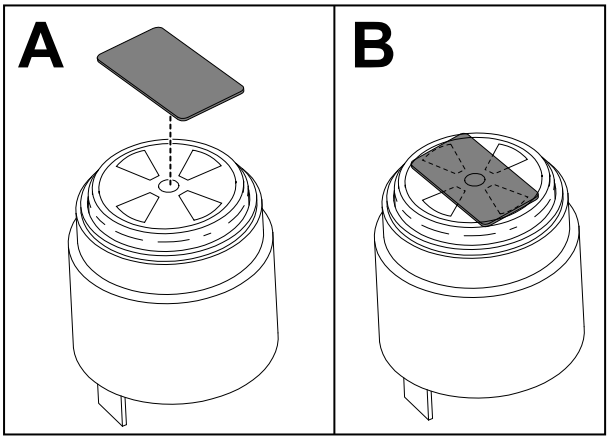
Note: Ensure that the IMU is oriented with the plug toward the front of the machine.

Installing the Alarm

Parts Required

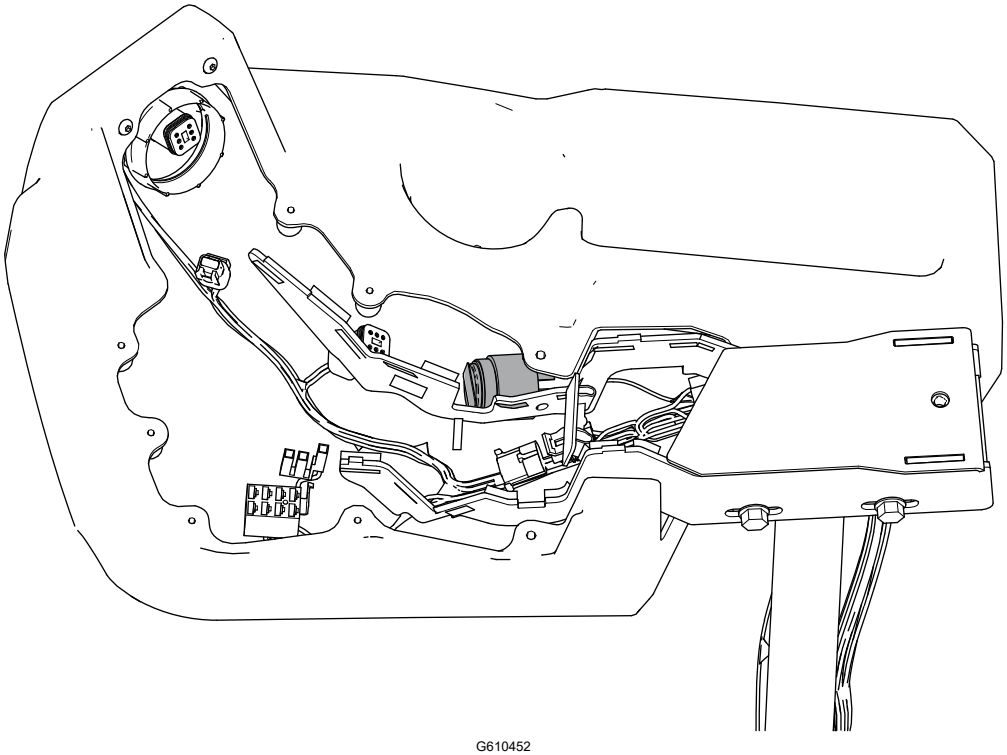
1	Alarm
1	Alarm decal

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



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2. Remove the console cover.
3. Route and install the alarm inside of the console. Secure the alarm with a cable tie.



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Note: Some components hidden for clarity.

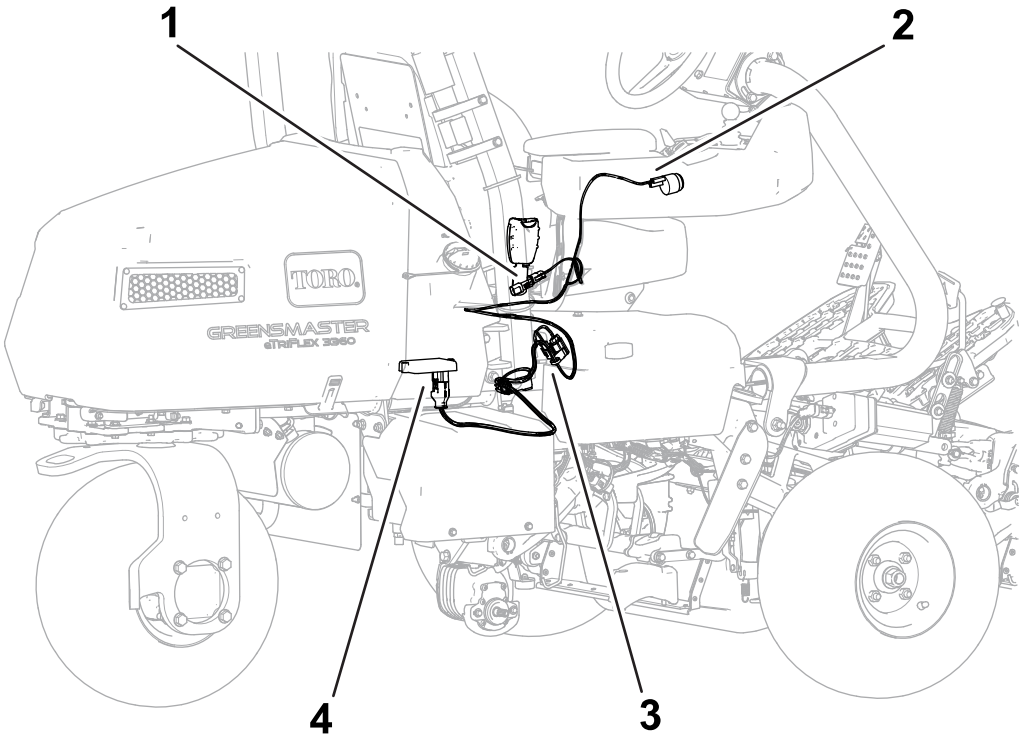
Routing the Wire Harness

Parts Required

1	Wire harness

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 to 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.



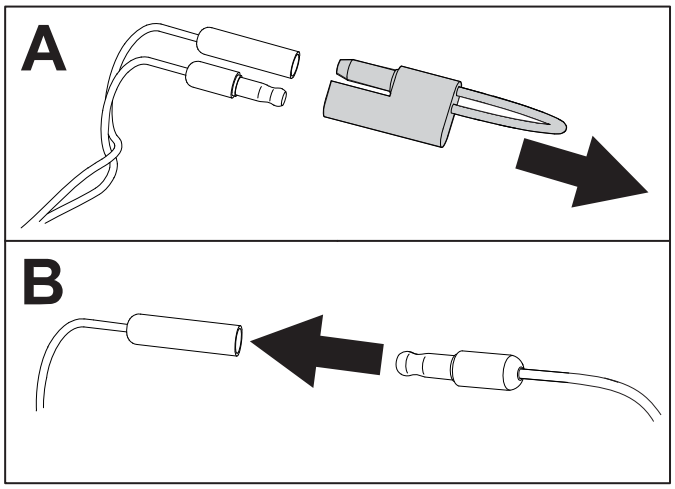
G621213

1. 2-pin connector (P05 SEAT BELT SW)
2. 2-pin connector (P02 AUDIO ALARM)
3. 6-pin connector (P07 TO EXPANSION PORT)
4. 12-pin connector (P01 K1 TSM1201)

5. Secure the kit wire harness to the machine wire harness using cable ties.
6. Replace the console cover.

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.



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4. Turn on the machine and allow at least 30 seconds for automatic calibration. Once complete, the InfoCenter will display a calibration confirmation.

   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. Unlatch the seat belt.
2. Briefly drive the machine in an open area.
3. Verify that the audible alarm is active.
4. Verify that the visual alarm icon appears on the InfoCenter.

Notes:

Notes:


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