ROPS Alarm System Kit

ProLine ™ H800 Rotary Mower with ROPS

Model No. 50213

Installation Instructions

This kit is compatible with traction unit models 31050TE and 31051.

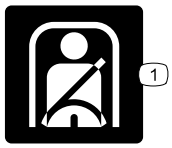
Store this document with the Operator's Manual for the traction unit

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

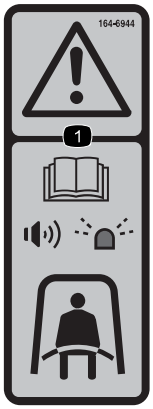
Decal Part: 164-7051



s_decal164-7051

1 Alarm

Decal Part: 169-6944



s_decal164-6944

1 Warning—read the *Operator's Manual* for audible and visual seat belt alarm information; Wear your seat belt when the roll bar is in the raised position (for foldable roll bars).

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Register at
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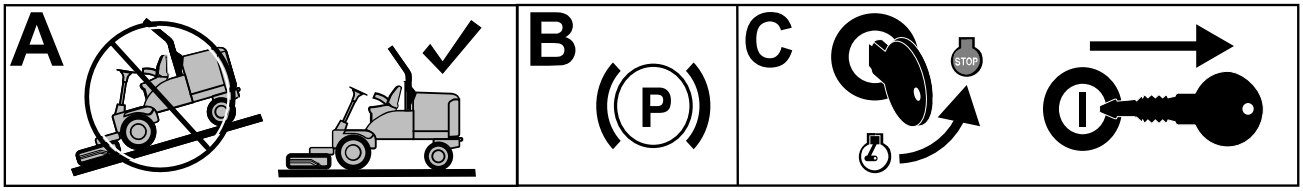
Original Instructions (EN)
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Installation

Preparing the Machine

1. Park the machine on a level surface, engage the parking brake, shut off the engine, and remove the key.



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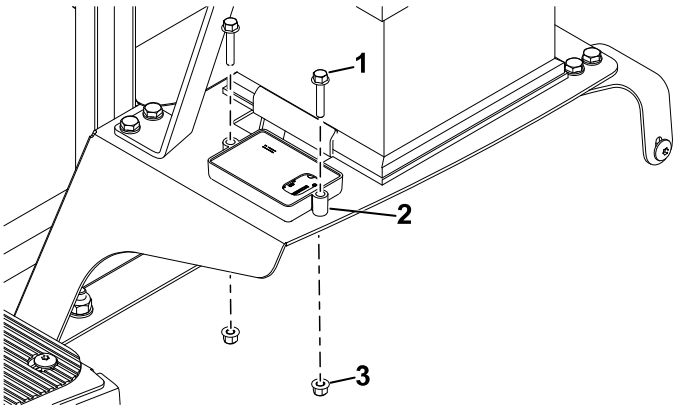
2. Access the battery; refer to the *Operator's Manual*.
3. Disconnect the battery; refer to the *Operator's Manual*.
4. Tilt the seat; refer to the *Operator's Manual*.

Installing the Inertial Measurement Unit (IMU)

Parts Required

1	IMU
2	Bolt
2	Nut

Install the IMU (2) underneath the left console using 2 nuts (3) and 2 bolts (1).



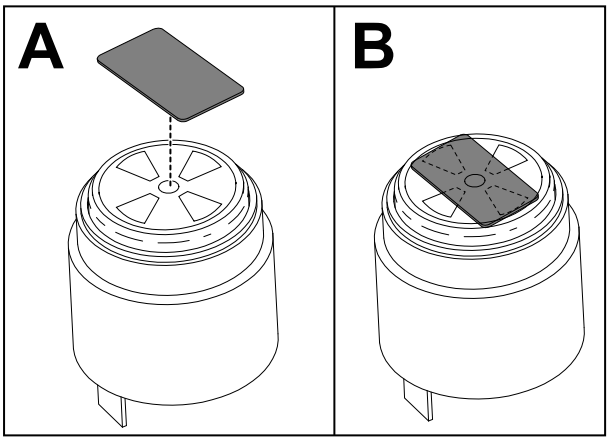
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Installing the Alarm

Parts Required

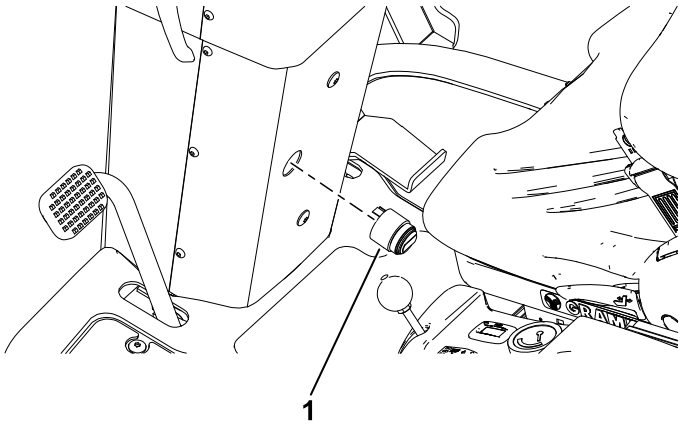
1	Alarm
1	Alarm decal

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



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2. Route and install the alarm (1) inside of the steering console.



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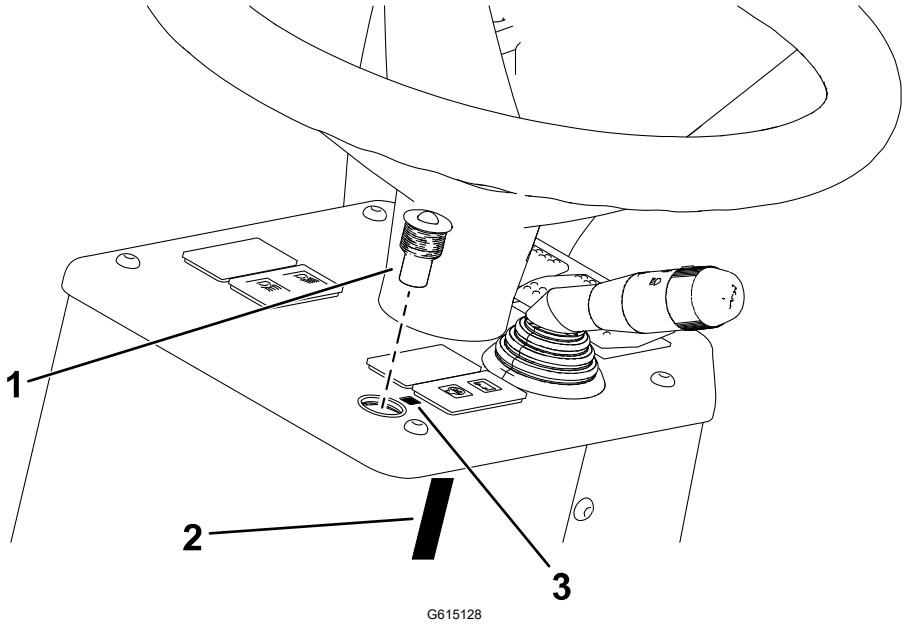
Note: Some components hidden for clarity.

Installing the LED Indicator

Parts Required

1	LED indicator

1. Remove the knockout plug to access the hole on the control panel.
2. Route and install the LED indicator (1) in the hole above the steering wheel.



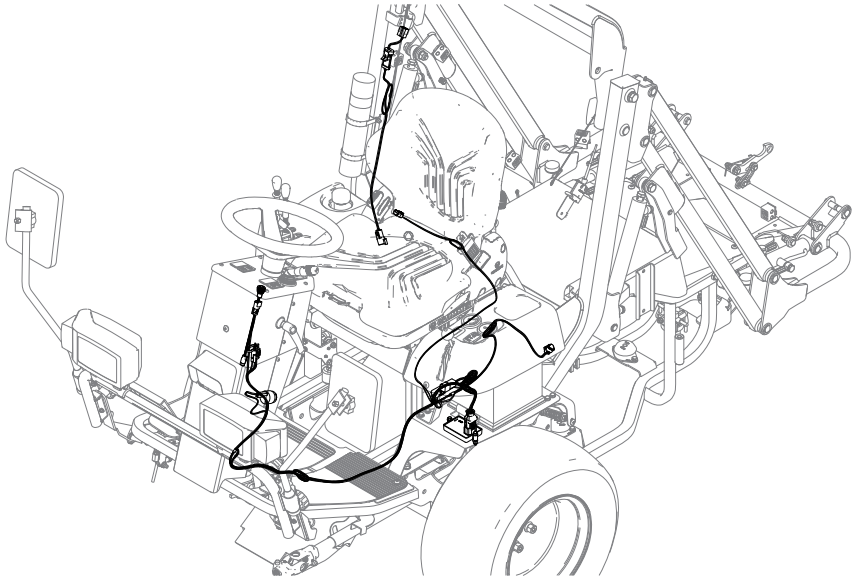
3. Install the LED decal (3) and alarm decal (2) on the machine.

Routing the Wire Harness

Parts Required

1	Wire harness
1	Wire harness jumper
1	Wire harness ROPS extension
35	Cable tie

1. Route the kit wire harness along the machine wire harness.



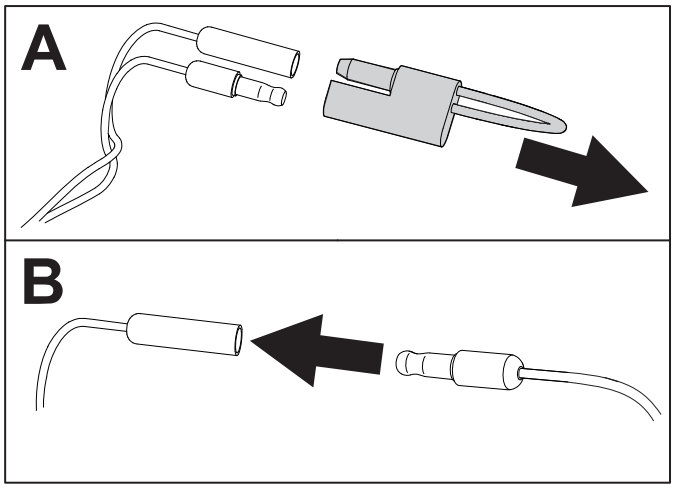
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2. Connect the 12-pin connector (P01 K1 TSM1201) on the harness to the IMU connector.
3. Connect the 6-pin connector (P07 TO EXPANSION PORT) on the harness into the expansion port (X943) on the main wire harness.
4. Connect the 2-pin connector (P05 SEAT BELT SW) on the harness to the seat belt connector.
5. Connect the 2-pin connector (P02 AUDIO ALARM) on the harness to the alarm connector.
6. Connect the 2-pin connector (P03 VISUAL ALARM) on the harness to the light connector.
7. Connect the 3-pin connector (P12 TO ROPS HARNESS) on the harness to the ROPS extension harness wire.
8. Install the ROPS wire harness connector (P04 ROPS PROX SENSOR) on the jumper wire harness (P15 TO EXT HARN).
9. Connect 2-pin connector (P16 ROPS SW) to ROPS switch on machine.
10. Confirm that all connections are secured to the kit wire harness.
11. Ensure that the wire harness is not in contact with moving parts, pinch points, or heat sources.

12. Secure the wire harness with the cable ties.
13. Close and latch the seat base.

Calibrating the Kit

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



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5. 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.
6. Turn off the machine, disconnect the terminals, and install the calibration jumper onto the 2 bullet terminals.

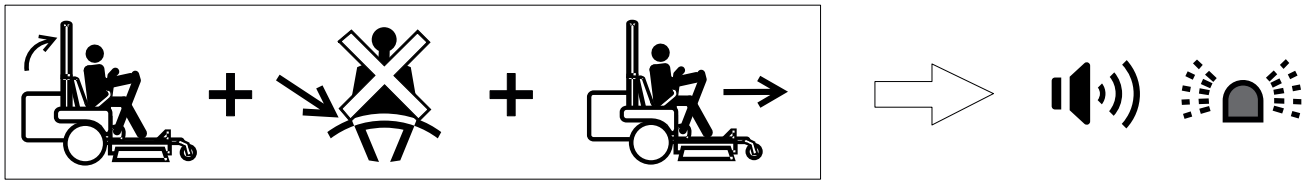
Testing the ROPS Alarm System

Note: Test the ROPS Alarm System Daily. If the system does not operate as described, have an Authorized Service Dealer repair the system immediately.

1. Test the alarm function with the roll bar raised and seat belt off.
   A. Park the machine on a level surface.
   B. Raise the roll bar.
   C. Sit on the seat and do not latch the seat belt.
   D. Start the machine.

      The audible and visual alarm should not be active at this stage

   E. Drive the machine slowly for a short distance and verify that both the audible and visual alarms are active.

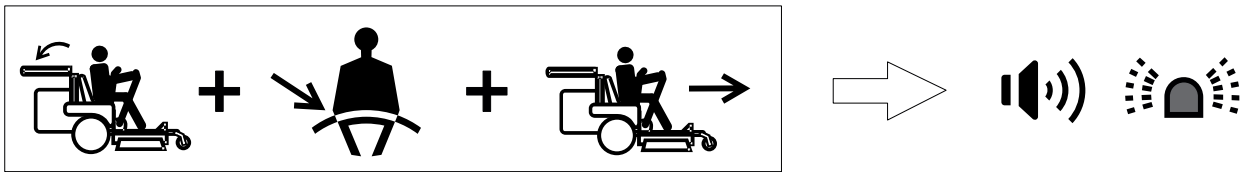


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2. Test the alarm function with the roll bar lowered and seat belt on.
   A. Park the machine on a level surface.
   B. Lower the roll bar.
   C. Sit on the seat and latch the seat belt.
   D. Start the machine.

      The audible and visual alarm should not be active at this stage

   E. Drive the machine slowly for a short distance and verify that both the audible and visual alarms are active.

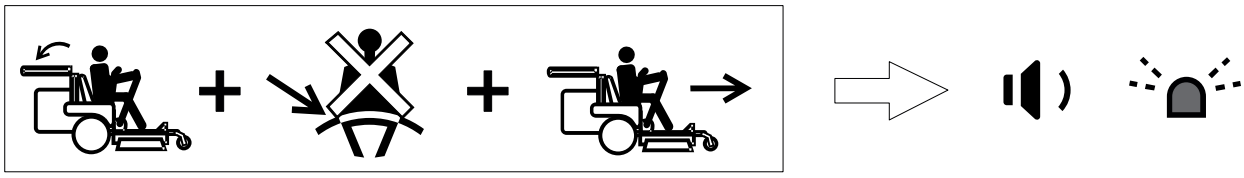


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3. Test the alarm function with the roll bar lowered and seat belt off.
   A. Park the machine on a level surface.
   B. Lower the roll bar.
   C. Sit on the seat and do not latch the seat belt.
   D. Start the machine.

      The audible and visual alarm should not be active at this stage

   E. Drive the machine slowly for a short distance and verify that both the audible and visual alarms are active.



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Notes:


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