

### Power Harness Kit Groundsmaster<sup>®</sup> 3200 or 3300 Series Traction Unit

Model No. 140-1559

Installation Instructions

# Installation



**Preparing the Machine** 

#### No Parts Required

## Procedure

- 1. Park the machine on a level surface.
- 2. Engage the parking brake.
- 3. Lower the attachments.
- 4. Shut off the engine and remove the key.



# **Disconnecting the Battery**

**No Parts Required** 

## **Removing the Battery Cables**

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Battery terminals or metal tools could short against metal components, causing sparks.

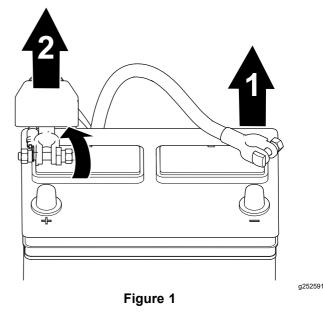
- When removing or installing the battery, do not allow the battery terminals to touch any metal parts of the machine.
- Do not allow metal tools to short between the battery terminals and metal parts of the machine.

## A WARNING

Electrical sparks can cause the battery gasses to explode, resulting in personal injury.

Incorrect battery cable routing could damage the machine and cables, causing sparks.

- Always disconnect the negative (black) battery cable before disconnecting the positive (red) cable.
- Always connect the positive (red) battery cable before connecting the negative (black) cable.
- 1. Remove the negative battery cable from the battery post (Figure 1).



- 1. Negative battery cable 2. Positive battery cable
- 2. Lift the insulator and remove the positive battery cable from the battery post (Figure 1).



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# **Routing the Power Harness**

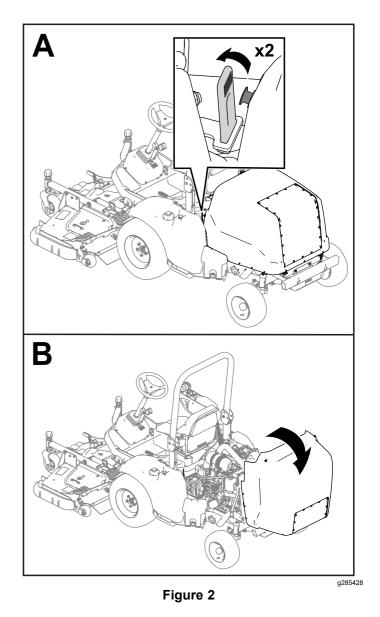
#### Parts needed for this procedure:

1	Power harness
6	Cable tie
1	Relay
1	Fuse (10 A)

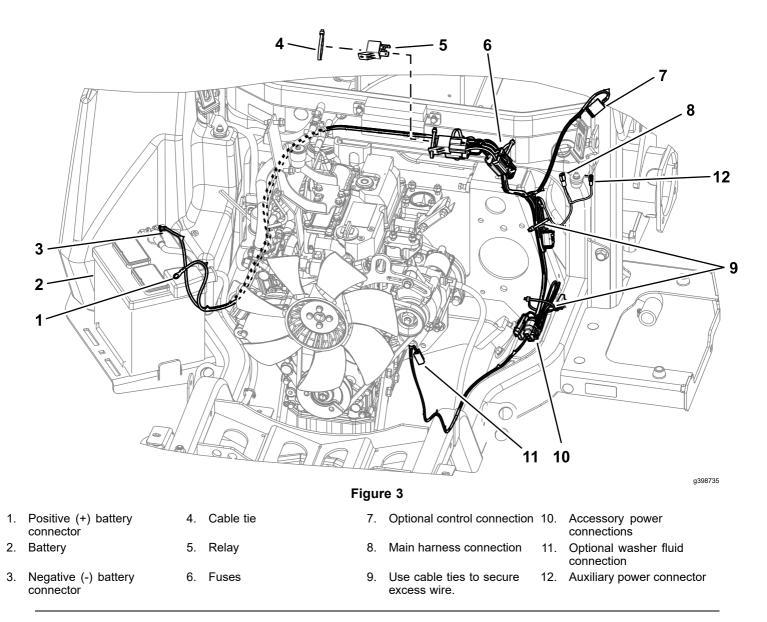
### Procedure

*Important:* Route the wire harness away from any hot, sharp, or moving parts; secure with cable ties as needed.

1. Unlatch and open the hood.

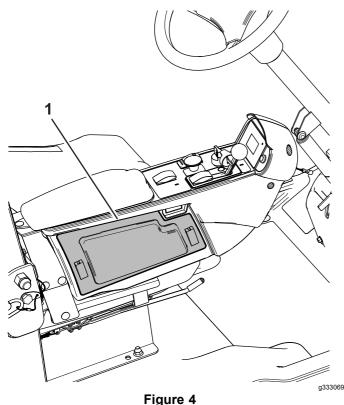


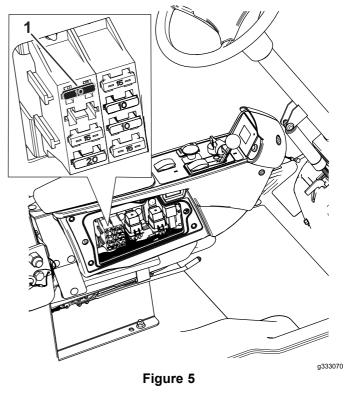
- 2. Install the relay into the harness (Figure 3).
- 3. Route the 2 ring terminals for the battery around the engine (Figure 3).



- 4. Route the harness to the connector positions shown in Figure 3.
- 5. Secure the harness to the machine with the cable ties shown in Figure 3.

6. Rotate the latches and remove the side cover on the armrest (Figure 4).





- 1. Installed 10 A fuse
- 8. Install the cover and secure it with the latches.

- 1. Cover
- 7. Install the 10 A fuse into the fuse block as shown in Figure 5.



# **Connecting the Battery**

**No Parts Required** 

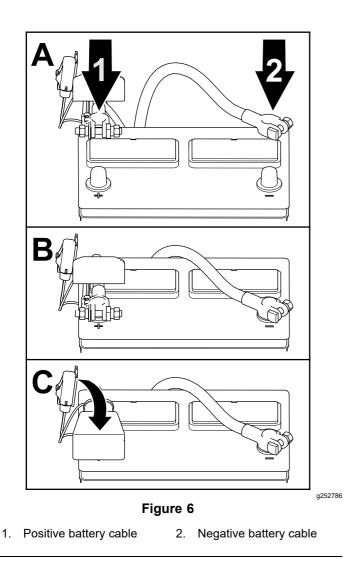
### Procedure

### A WARNING

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Incorrect battery cable routing could damage the machine and cables, causing sparks.

- Always disconnect the negative (black) battery cable before disconnecting the positive (red) cable.
- Always connect the positive (red) battery cable before connecting the negative (black) cable.
- 1. Connect the positive cable to the battery and tighten the battery-clamp nut (Figure 6).
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- 2. Connect the negative cable to the battery and tighten the battery-clamp nut (Figure 6).
- 3. Assemble the insulator over the positive battery terminal (Figure 6).

# Notes:

# Notes:



# Count on it.