Form No. 3364-860 Rev A

Deck Sensor Kit

2009 and Before Groundsmaster 4100-D Traction Units

Model No. 119–5307

Installation Instructions

Installation

1. Park the machine on a level surface, lower the cutting deck, stop the engine, engage the parking brake and remove the key from the ignition switch.
2. Remove the switch covers from the deck to allow access to the position switches (Figure 1).

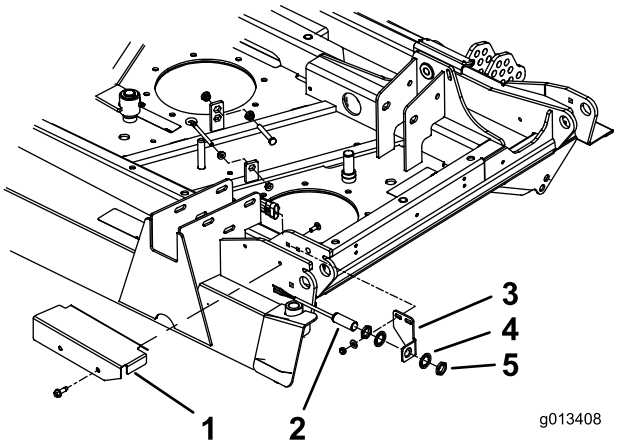


Figure 1

1. Switch cover (2)
2. Position switch
3. Switch bracket
4. Lock washer (2)
5. Jam nut (2)

3. Unplug the position switch wires from the cutting unit wire harness (Figure 1).
4. Locate and unplug the cutting unit wire harness from the traction unit wire harness (Figure 2). Also, remove any cable ties securing the cutting unit wire harness. Remove the cutting unit harness
5. Remove the carriage bolts, washers and lock nuts securing the switch brackets to each side of the center cutting deck (Figure 1). Discard the switches, brackets and fasteners.
6. Route and then plug the new cutting unit harness into the traction unit harness. Secure the harness with cable ties (Figure 2).

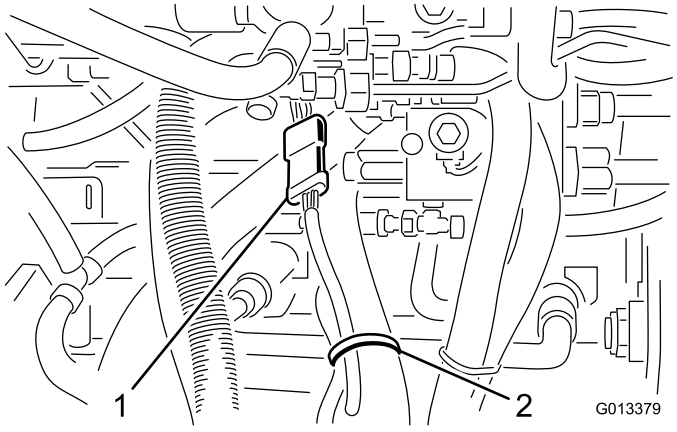


Figure 2

1. Wire harness
2. Cable tie

7. Assemble the new switches to the new brackets with (2) washer head screws each (Figure 3).

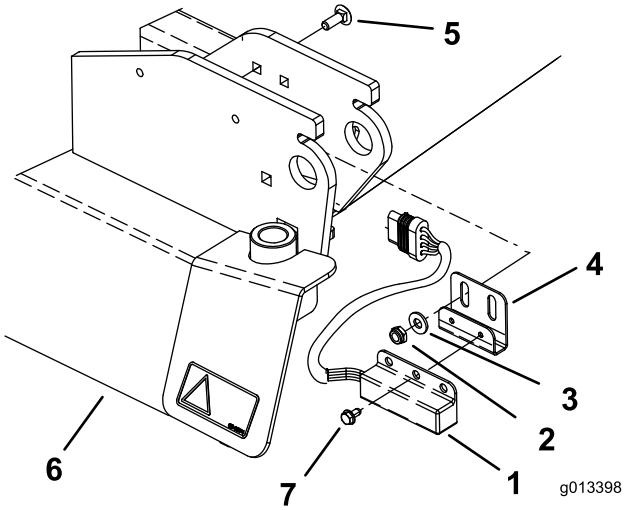


Figure 3

1. Position switch
2. Locknut
3. Washer
4. Switch bracket
5. Carriage bolt
6. Center cutting unit
7. Screw

8. Loosely install a new switch assembly to each side of the center cutting deck with (2) carriage bolts, washers and lock nuts each (Figure 3). Do not tighten the fasteners at this time.
9. Plug the switch wires into the new wire harness.
10. Remove the bolt and nut secured to each wing deck link (Figure 4). Discard the bolts and nuts.

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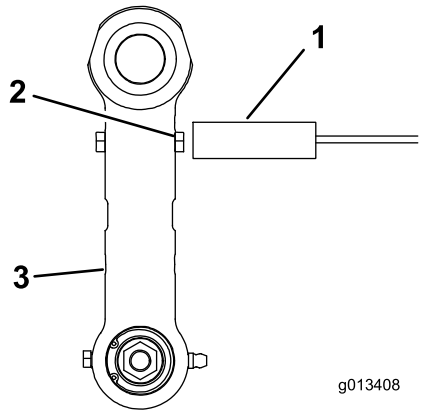


Figure 4

1. Position switch
2. Bolt
3. Wing deck link

11. Install a actuator tab to each wing deck link with a new bolt and nut (Figure 5).

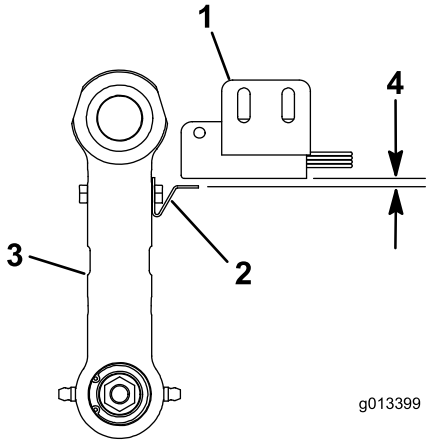


Figure 5

1. Switch bracket
2. Actuator tab
3. Wing deck link
4. 0.188 inches (4.8 mm)

12. Adjust the switch so the target surface, is approximately 0.188 inches (4.8 mm) from the actuator tab on the wing deck link (Figure 5). Tighten the lock nuts securing the adjustment.

    Note: Use the Deck Proximity Switch Adjustment Tool (TOR4095) to assist with the switch adjustment.

    Important: When the wing deck position switch is properly adjusted, the hydraulic motor on the wing deck should turn off when the wing deck is raised and wing deck latch opens.

13. Install the switch covers.