



## Neutral Position Switch Kit for Z-MASTER Z222 ZERO RADIUS TRACTOR

PART NO. 98-2861

INSTALLATION  
INSTRUCTIONS

### Loose Parts

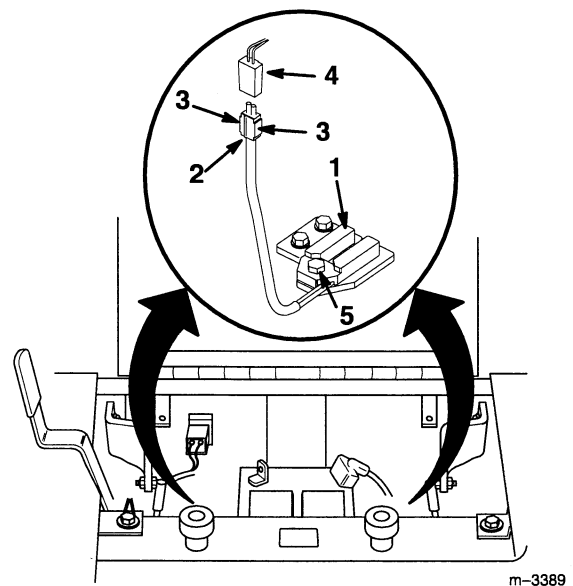
DESCRIPTION	QTY.	USE
Interrupter Switch	2	Interrupter switch installation
Harness Adapter	2	
Diode Assembly	1	Diode Installation
Tie Wrap	1	

### Removing Existing Interrupter Switches

1. Disconnect the negative cable from the battery.
2. Locate the 2 interrupter switches mounted on the tractor frame, one on each side of the battery (Fig. 1).
3. Disconnect the switch connector from the wire harness connector by squeezing the sides of the switch connector to release the locking tabs (Fig. 1).
4. Remove the nut and bolt securing the interrupter switch (Fig. 1) and discard the switch.

**Note:** Retain the nut and bolt for use when installing the new switches.

5. Repeat steps 3 and 4 to remove the remaining switch.



m-3389

Figure 1

- |                       |                           |
|-----------------------|---------------------------|
| 1. Interrupter Switch | 4. Wire Harness Connector |
| 2. Switch Connector   | 5. Bolt                   |
| 3. Locking Tab        |                           |

## Installing New Interrupter Switches

1. Install the new interrupter switch with the bolt and nut removed previously (Fig. 2).
2. Before tightening the bolt and nut, ensure that the switch is centered evenly on the mounting plate.
3. Torque the bolt and nut to 60 in. lb.
4. Connect the switch connector to the harness adapter (Fig. 2).
5. Connect the harness adapter to the wire harness connector (Fig. 2).
6. Repeat steps 1 through 5 to install the other switch.

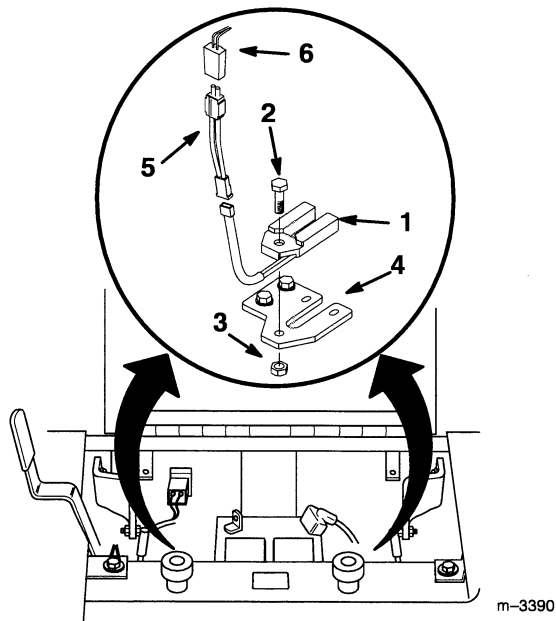


Figure 2

- |                       |                           |
|-----------------------|---------------------------|
| 1. Interrupter Switch | 4. Mounting Plate         |
| 2. Bolt               | 5. Harness Adapter        |
| 3. Nut                | 6. Wire Harness Connector |

## Removing the Existing Diode

1. Cut the tie wrap securing the plastic cover around the wires (Fig. 3).
2. Pull the wires out of the cover, exposing the diode located about 5 to 6 in. from the relay holder (Fig. 3).
3. Cut the blue and black diode wires. Remove and discard the diode.

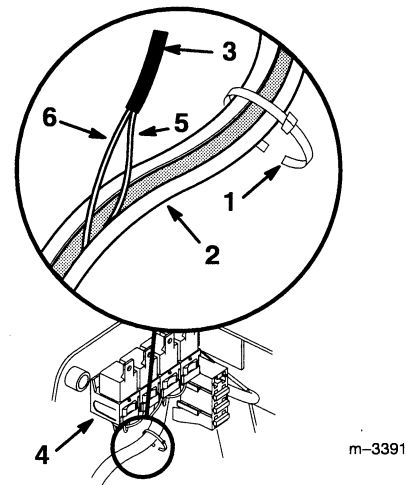


Figure 3

- |                            |                 |
|----------------------------|-----------------|
| 1. Cut Tie Wrap            | 4. Relay Holder |
| 2. Plastic Cover and Wires | 5. Blue Wire    |
| 3. Diode                   | 6. Black Wire   |

## Installing the New Diode

1. Strip the ends of the blue and black wires.
2. Slide the connectors on the wires of the new diode assembly over the stripped ends of the wires in the wire harness (blue wire to blue wire and black wire to black wire).
3. Crimp the connectors on the diode wires.
4. Insert the wire harness and new diode into the plastic cover and secure it with the new tie wrap.
5. Reconnect the negative battery cable.

## Testing the Safety Interlock System

After installing the new interrupter switches, test the safety interlock system. If the safety system does not operate as described below, have an Authorized Service Dealer repair the safety system immediately.

1. “ENGAGE” parking brake and move power take off (PTO) “ON”. Try starting the engine; the engine should not crank.
2. “ENGAGE” parking brake and move power take off (PTO) “OFF”. Move either motion control lever (forward or reverse). Try starting the engine; the engine should not crank.
3. “ENGAGE” parking brake, move power take off (PTO) “OFF” and lock the motion control levers in neutral. Now start the engine. While the engine is running, release the parking brake, engage the power take off (PTO) and rise slightly from the seat; the engine should stop.
4. “ENGAGE” parking brake, move power take off (PTO) “OFF” and lock the motion control levers in neutral. Now start the engine. While the engine is running, center the motion controls and move (forward or reverse); the engine should stop.

