



MANDATORY UPDATE INFORMATION

Date: 05/15/19
To: RX1575, RX157524, RX157533 Trench Roller Owners
From: Multiquip Product Department
Subject: Speed Solenoid — **Mandatory Update**



Dear Multiquip Customer,

Our records indicate that your company purchased one or more RX1575, RX157524, or RX157533 Trench Rollers. Multiquip is alerting the owners of these rollers to updates required to the roller. Existing speed solenoid may malfunction due to incorrect setup.

The accompanying bulletin lists the problems and explains the actions required to correct these problems.

Failure to perform this procedure may result in:

Speed solenoid malfunction.

If this trench roller has been resold, please forward this bulletin to the new owner.

Labor Allowance: 1.0 hour total flat rate for adjustment of existing speed solenoid.

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Service Bulletin

RX1575, RX157524, and RX157533 Speed Solenoid Adjustment

Product Group:	Date Issued:	Expiration Date:	Service Bulletin No.
Rollers	05/15/19	12/31/19	RR20190426
Bulletin Type <input checked="" type="checkbox"/> Mandatory <input type="checkbox"/> Information Only <input type="checkbox"/> Recommended Change	Models/Series Affected: RX1575/RX157524/RX157533 S/N 5570734–5572323		

Details
Problem: Increased speed solenoid malfunctions.
Solution: Check and reset speed solenoid.

Required Tools
<ul style="list-style-type: none">■ White marker■ Loctite® 270™ adhesive■ 1.5 mm feeler gauge■ Tachometer■ 10 mm open-end wrench■ Small flat-blade screwdriver■ #8 ring terminals (16-14 gauge)■ 13 mm wrench■ Wire cutters/strippers/crimpers

WORK SAFELY!

Only a qualified service technician with proper training should perform this procedure. Follow all shop safety rules while performing this procedure.

ROLLER SAFETY

⚠ WARNING

- **NEVER** disconnect any **emergency or safety devices**. These devices are intended for operator safety. Disconnection of these devices can cause severe injury, bodily harm or even death. Disconnection of any of these devices will void all warranties.

⚠ CAUTION


- **NEVER** lubricate components or attempt service on a running machine.

ENGINE SAFETY

⚠ WARNING

- **DO NOT** place hands or fingers inside engine compartment when engine is running.

⚠ CAUTION

- **NEVER** touch the hot exhaust manifold, muffler or cylinder. Allow these parts to cool before servicing equipment. 
- Always turn the engine off before performing maintenance.

BATTERY SAFETY

⚠ CAUTION

- **ALWAYS** disconnect the **NEGATIVE** battery terminal before performing service on the equipment.

PREPARATION

Place the roller in an area free of dirt and debris, and make sure it is on secure, level ground.

ELECTRICAL CONNECTOR REPLACEMENT

1. Using a 13 mm wrench, loosen the bolt securing the negative (-) battery cable to the negative (-) terminal on the battery and disconnect it. See Figure 1.

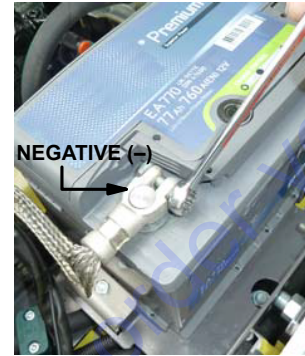


Figure 1. Disconnect Negative Battery Cable

2. Locate the speed solenoid (Figure 2).

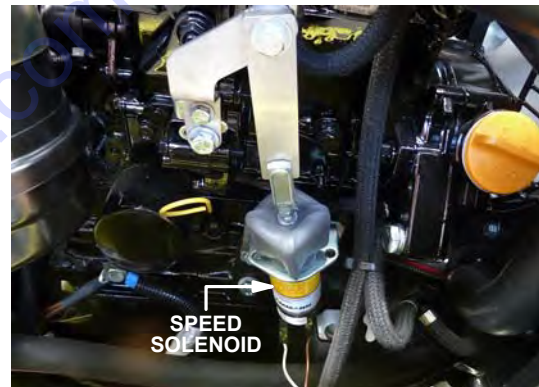


Figure 2. Speed Solenoid

3. Disconnect the electrical leads (Y2+ and Y2-) from the speed solenoid. See Figure 3.

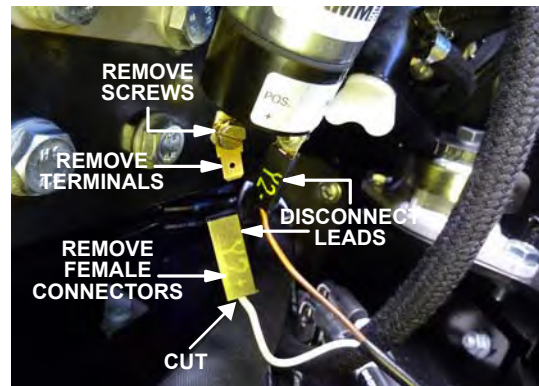


Figure 3. Disconnect Leads and Remove Terminals

- Using a small flat-blade screwdriver, remove the two screws securing the blade terminals (Figure 3) to the speed solenoid. Set the screws aside to be used later. Remove and discard the terminals.
- Cut off the existing female connectors from the wire leads (Figure 3) and discard the connectors. Take note of the polarity of the wires for correct reconnection later.
- Strip the insulation back 1/4 inch (6.4 mm) from the cut end of each of the wires to expose the conductors. See Figure 4.

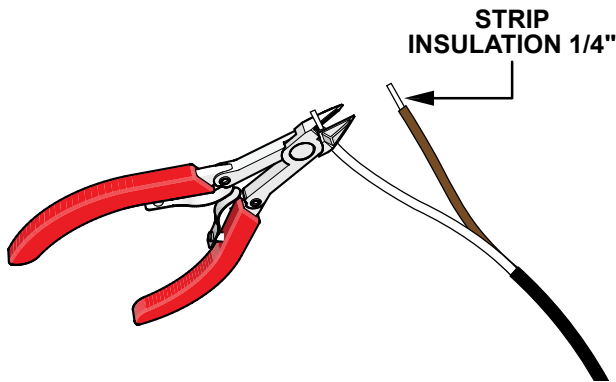


Figure 4. Strip Wire Insulation

- Place a new #8 ring terminal (16-14 gauge) onto the stripped end of each of the leads and crimp. See Figure 5.

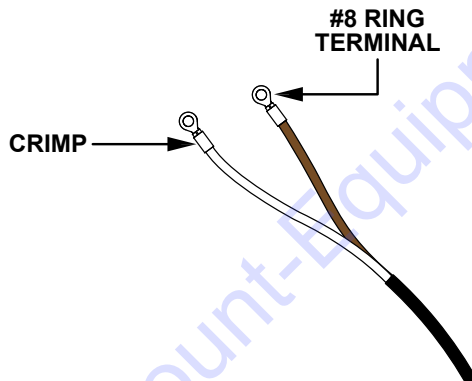


Figure 5. Install Ring Terminals

- Secure the leads with ring terminals to the speed solenoid with the two existing screws. Make sure that the polarities are correct as noted in Step #5.

NOTICE

DO NOT reverse the positive (+) and negative (-) wires!

- Reconnect the negative (-) battery cable to the negative (-) terminal on the battery.

ENGINE SPEED SOLENOID ADJUSTMENT

- Loosen the 10 mm jam nut (Figure 6) on the clevis head.

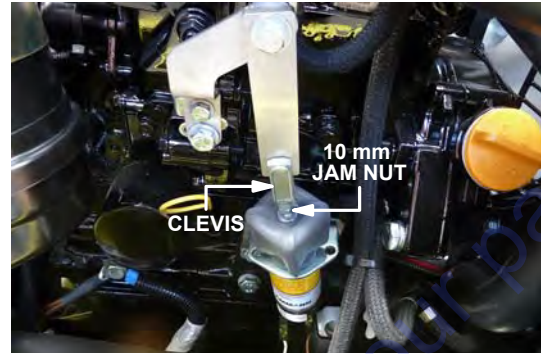


Figure 6. Loosen Jam Nut

- Push the speed solenoid piston all the way down by hand (Figure 7).

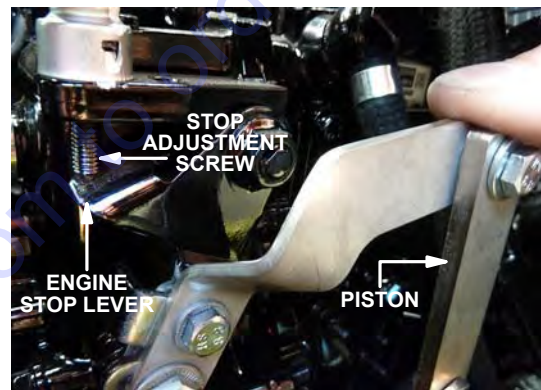


Figure 7. Push Down on Piston

NOTICE

The engine stop lever must not be allowed to touch the stop adjustment screw.

- Use a 1.5 mm feeler gauge (Figure 8) to set the spacing between the stop adjustment screw and the engine stop lever.

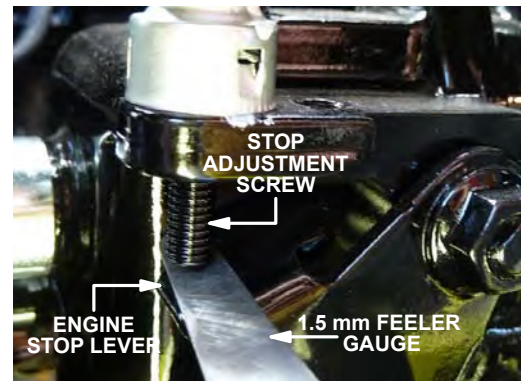


Figure 8. Adjust Spacing

4. Push the piston all the way down and verify that there is a gap of 1.5 mm between the engine stop lever and the stop adjustment screw. See Figure 9.

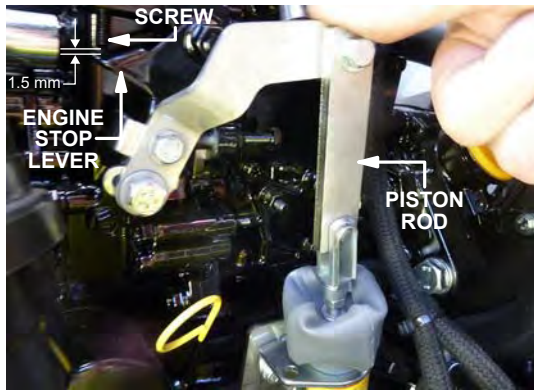


Figure 9. Verify Spacing

5. Start the engine.
6. Push the piston all the way down and measure the engine speed using a tachometer.

If a speed of 2,390–2,440 rpm is not reached, the 10 mm jam nut on the clevis head (Figure 10) must be adjusted.

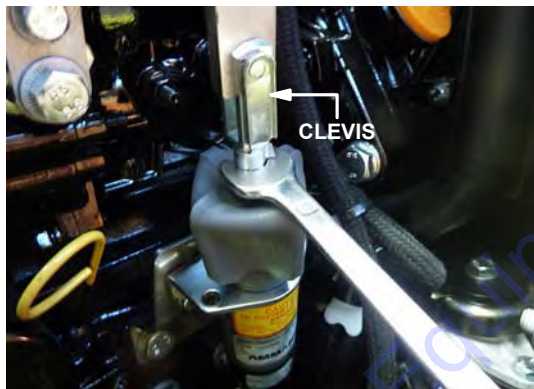


Figure 10. Adjust Engine Speed

7. Make sure the governor lever (Figure 11) rests against the governor adjustment screw when the engine is at idle.

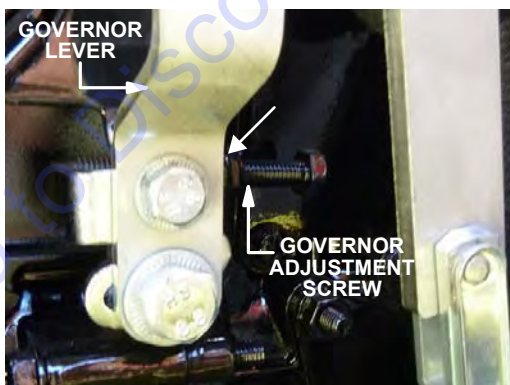


Figure 11. Governor Lever

8. After the adjustment is completed, tighten the 10 mm jam nut on the clevis head (Figure 12).

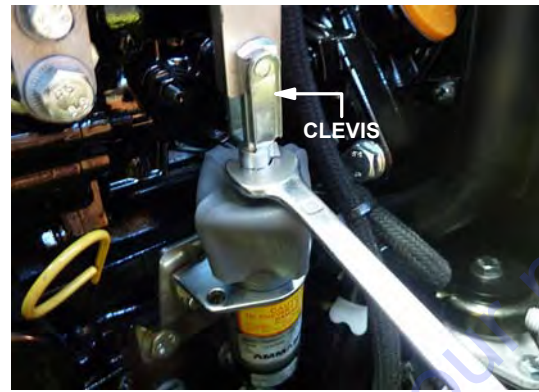


Figure 12. Tighten Jam Nut

9. Perform a motion test by moving the speed solenoid up and down by hand.

NOTICE

IMPORTANT: When the linkage is pressed down, it must return to the starting position on its own, strain-free.

10. Once the speed solenoid is adjusted, secure the jam nut (Figure 13) with Loctite® 270™ adhesive, then mark the jam nut with a white marker.



Figure 13. Seal and Mark Jam Nut

11. Secure the speed solenoid with the clevis clip (Figure 14).



Figure 14. Secure Speed Solenoid

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