



Service Kit 759-04258

Date: January 28, 2010 (Revised 2/02/2010)

Subject: Service Replacement for the
725-3278 Vacuum Actuator Solenoid

Models Affected: Cub Cadet 3000 Series Tractors and
4X2 Big Country 430, 431 and 435 Series

Read through and understand these instructions completely before proceeding with repair.

PURPOSE: This kit provides the new style 725-3278 Actuator Solenoid and a Jumper (adapter) Harness to adapt the existing unit's main harnesses' oval connector to the new style actuator solenoid's rectangular connector.

3000 Series Tractor Instructions - See Page 1.

4X2 Big Country Instructions - See Page 2.

NOTE: These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

NOTE: Save this Instruction Sheet. Refer to it when ordering replacement parts.

759-04258 Service Kit Contents (See Figure 1)

ITEM NO.	PART NUMBER	QTY	DESCRIPTION
1	725-3278	1	SOLENOID: ACTUATOR: VACUUM
2	725-05087	1	HARNESS: JUMPER:SOLENOID
3	*	1	THIS INSTRUCTION SHEET

* - Not Available Separately

NOTE: Left (LH) and right (RH) sides are determined from the operator's position and facing forward.

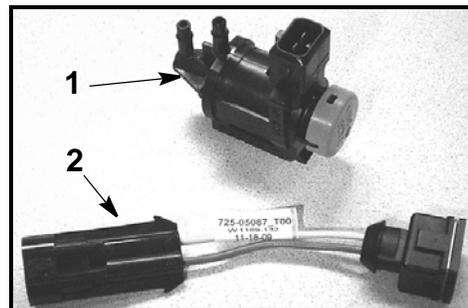


FIGURE 1

3000 Series Tractors

- Place the tractor on a flat and level surface.
- Turn off the engine, remove the ignition key and set the parking brake ON. Allow the engine and muffler to cool before proceeding.

Old Actuator Solenoid Removal:

- Lift the hood and remove the RH side panel to provide access to the actuator solenoid.
- Release the locking tab on the solenoid harness connector and disconnect from the solenoid.
- Using a flat blade screw driver, carefully pry the dual vacuum line connector off of the solenoid. See Figure 2.

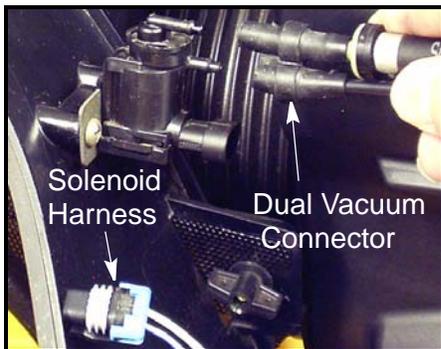


FIGURE 2

- Using a flat blade screw driver, release the solenoid's locking tab from the mounting bracket, remove and discard the solenoid.

New Actuator Solenoid Installation:

- Clip the new Actuator Solenoid, Item 1, onto the solenoid's mounting clip. Ensure the lock tab is secure.
- Re-connect the dual vacuum line connector to the solenoid.
- Install the adapting Jumper Harness supplied in this kit, Item 2, onto the solenoid.
- Connect the oval style connector of the existing solenoid harness to the jumper harness supplied in this kit. See Figure 3.

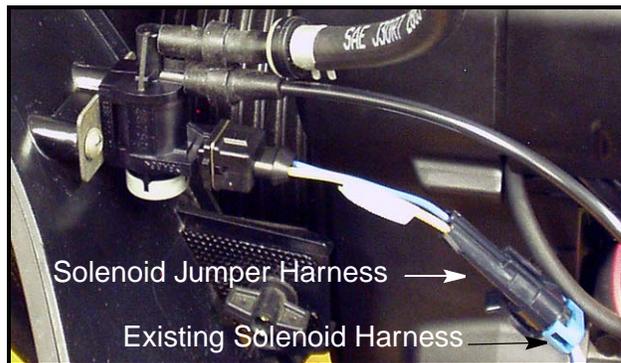


FIGURE 3

This completes the actuator solenoid installation for the 3000 Series tractors.

4X2 Big Country 430, 431 and 435 Model Series

1. Place the 4X2 on a flat and level surface.
2. Turn off the engine, remove the ignition key and set the parking brake ON. Allow the engine and muffler to cool before proceeding.

Old Actuator Solenoid Removal:

3. To provide access to the actuator solenoids, lift the cargo bed to the full open position. Locate the three actuator solenoids in the engine compartment on the cross member just behind the seats. See Figure 4.

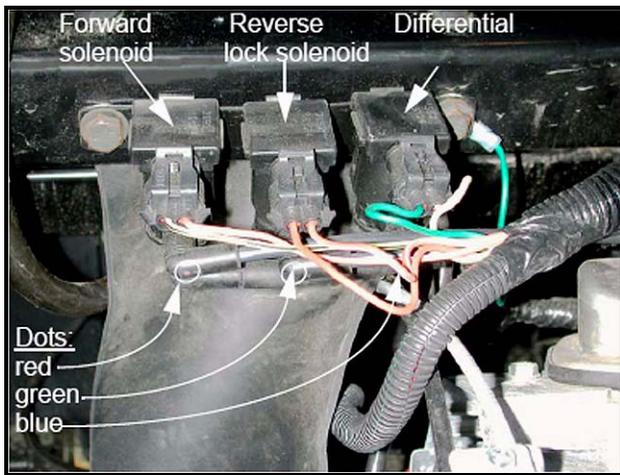


FIGURE 4

4. On the defective solenoid, release the locking tab on the solenoid harness connector and disconnect from the solenoid.

NOTE: *If there is more than one defective solenoid, replace one solenoid at a time so as not to mix/cross vacuum lines or solenoid harnesses.*

5. Using a flat blade screw driver, carefully pry both vacuum line connectors off of the solenoid.
6. Using a flat blade screw driver, release the solenoid's locking tab from the mounting bracket, remove and discard the solenoid.

New Actuator Solenoid Installation:

7. Clip the new Actuator Solenoid, Item 1, onto the solenoid's mounting clip. Ensure the lock tab is secure.
8. Re-connect the vacuum line connectors to the solenoid.
9. Install the adapting Jumper Harness supplied in this kit, Item 2, onto the solenoid.
10. Connect the oval style connector of the existing solenoid harness to the jumper harness supplied in this kit.

This completes the actuator solenoid installation for the 4X2 Big Country - 430, 431 and 435 Series.

NOTES