

2012 - Mazda6 - Transmission/ Transaxle

TRANSAXLE FLUID TEMPERATURE (TFT) SENSOR REMOVAL/ INSTALLATION [FS5A-EL]

WARNING:

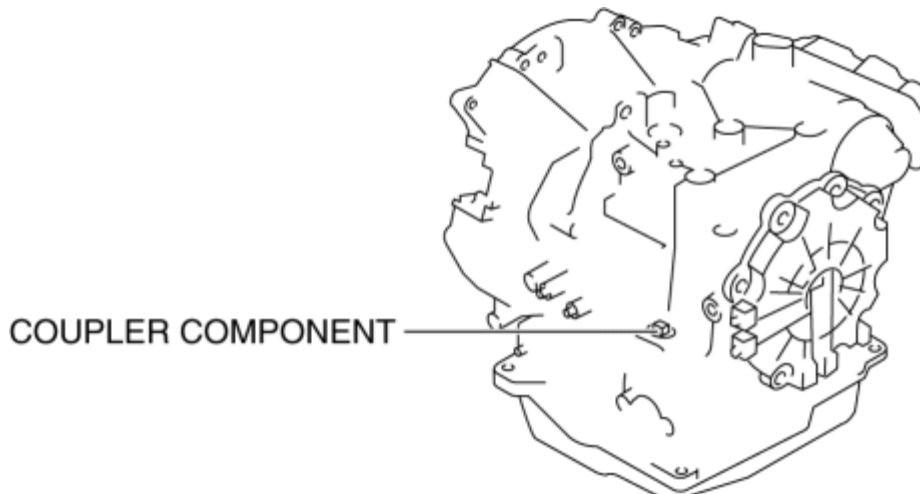
- A hot transaxle and ATF can cause severe burns. Turn off the engine and wait until they are cool.
- Using compressed air can cause dirt and other particles to fly out, causing injury to the eyes. Wear protective eyeglasses whenever using compressed air.

CAUTION:

- Water or foreign objects entering the connector can cause a poor connection or corrosion. Be sure not to drop water or foreign objects on the connector when disconnecting it.

1. Remove the primary control valve body.

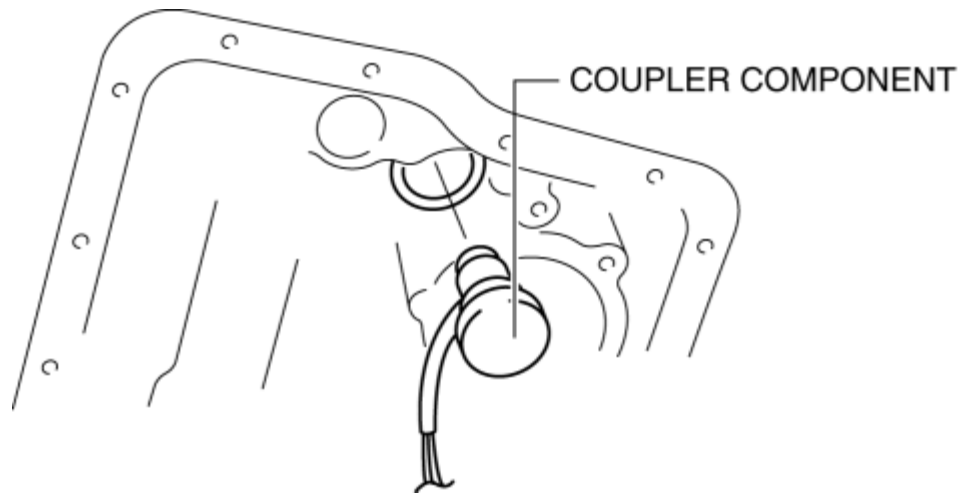
- a. Disconnect the negative battery cable.
- b. Remove the air cleaner component. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
- c. Remove the aerodynamic under cover NO.2. (See [AERODYNAMIC UNDER COVER NO.2 REMOVAL/ INSTALLATION](#).)
- d. Clean the transaxle exterior throughout with a steam cleaner or cleaning solvents.
- e. Drain the ATF into a separate suitable container. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[FS5A-EL\]](#).)
- f. Remove the front crossmember. (See [FRONT CROSSMEMBER REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)
- g. Disconnect the coupler component connector.



- h. Remove the oil pan.

i. Remove the primary control valve body. (See **CONTROL VALVE BODY REMOVAL/ INSTALLATION [FS5A-EL]**.)

2. Remove the coupler component from the transaxle case.



3. Remove the O-ring from the coupler component.

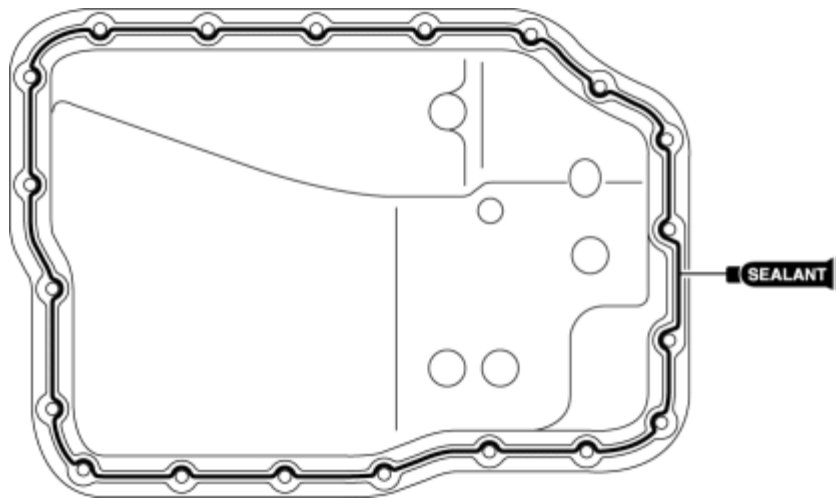
4. Install the primary control valve body.

a. Apply ATF to a new O-ring and install it on the coupler component.

b. Install the coupler component to transaxle case.

c. Install the primary control valve body. (See **CONTROL VALVE BODY REMOVAL/ INSTALLATION [FS5A-EL]**.)

5. Apply a light coat of sealant (**TB1217E**) to the contact surfaces of the oil pan and transaxle case.



CAUTION:

- If any sealant remains on the sealing surfaces of the transaxle case and oil pan, transaxle damage may occur. Use a cleaning fluid to remove any old sealant from the transaxle case and oil pan.

6. Install the oil pan before the applied sealant starts to harden.

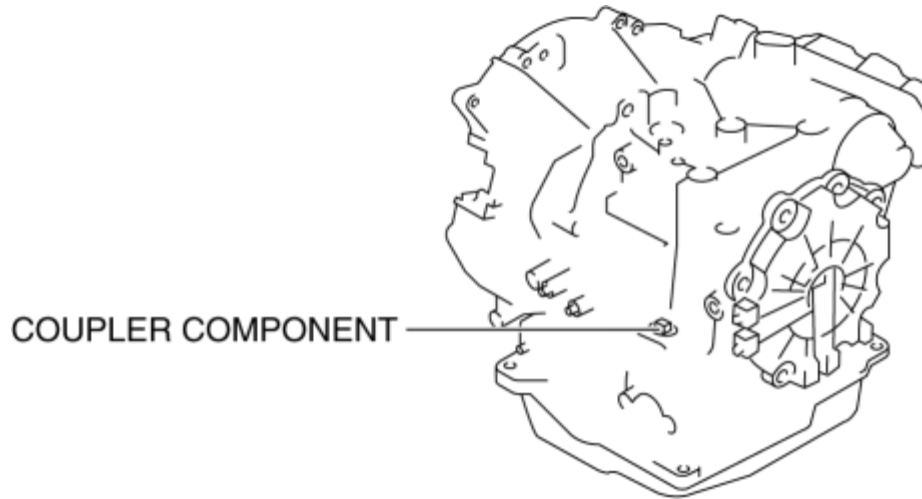
CAUTION:

The removed bolts with spring washer cannot be reused. If they are reused, it could loosen the bolts due to spring weakness.

Tightening torque

- Flange bolt: 6.0—8.0 N·m {62—81 kgf·cm, 54—70 in·lbf}
- Bolt with spring washer: 8—10 N·m {82—101 kgf·cm, 71—88 in·lbf}

7. Connect the coupler component connector.



8. Install the front crossmember. (See [FRONT CROSSMEMBER REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

9. Install the aerodynamic under cover NO.2. (See [AERODYNAMIC UNDER COVER NO.2 REMOVAL/ INSTALLATION](#).)

10. Add ATF. (See [AUTOMATIC TRANSAXLE FLUID \(ATF\) REPLACEMENT \[FS5A-EL\]](#).)

11. Install the air cleaner component. (See [INTAKE-AIR SYSTEM REMOVAL/ INSTALLATION \[MZR 2.5\]](#).)

12. Connect the negative battery cable.

13. Perform the "Mechanical System Test". (See [MECHANICAL SYSTEM TEST \[FS5A-EL\]](#).)

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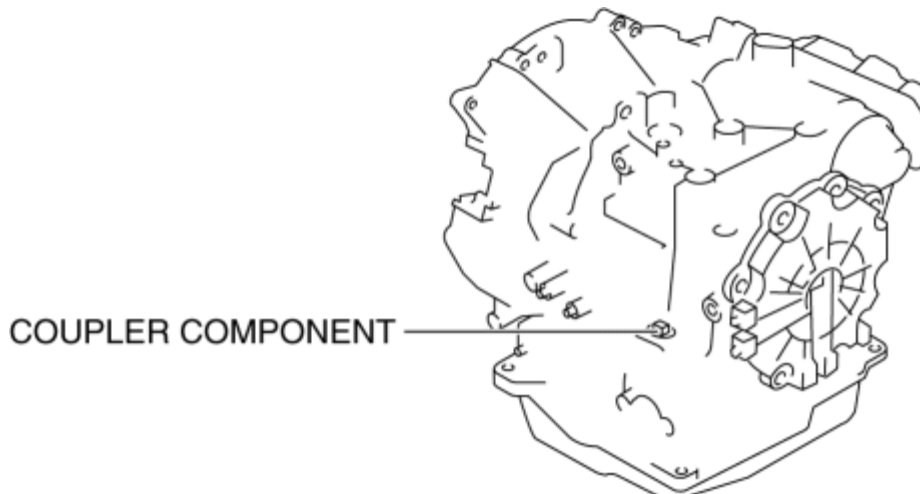
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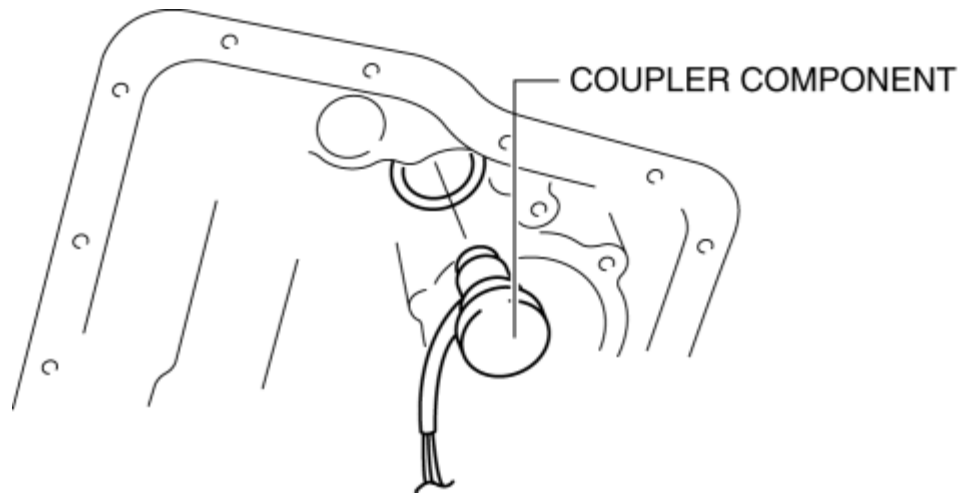
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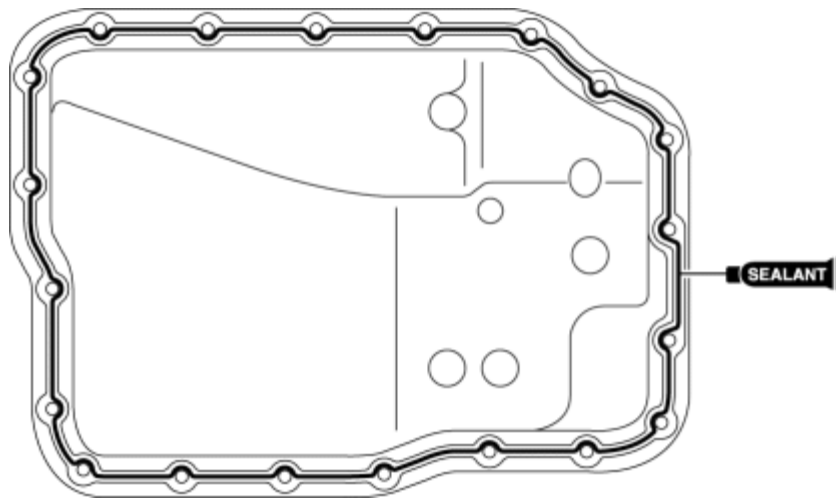
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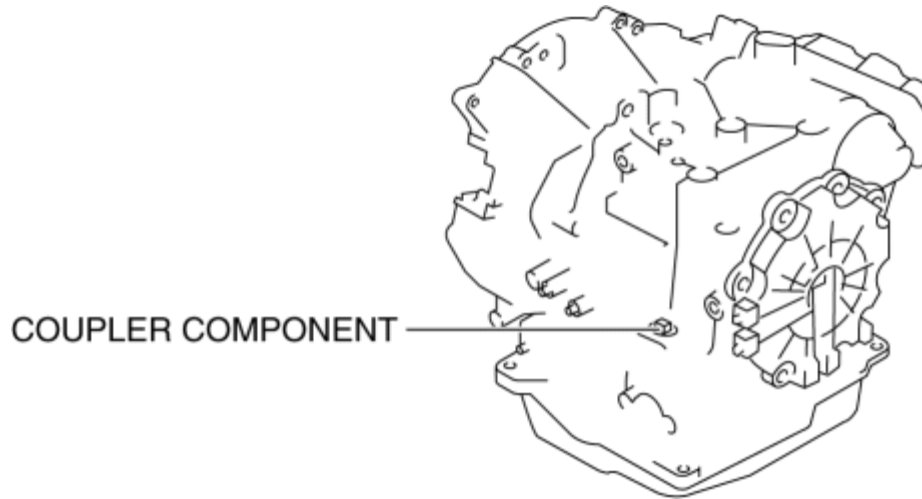
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