

TRANSMISSION WIRE

REPLACEMENT

4017V-01

CAUTION:

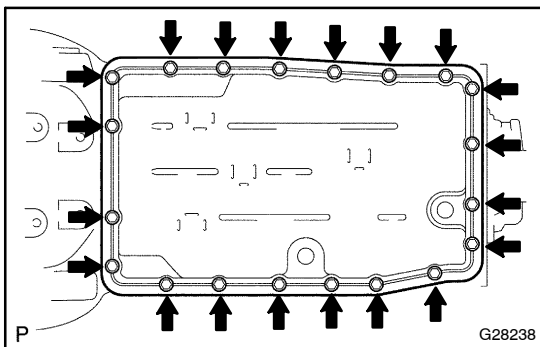
When working with FIPG material, perform the following:

- Using a razor blade and gasket scraper, remove all the old FIPG material from the gasket surfaces.
- Thoroughly clean all components to remove any loose material.
- Clean both sealing surfaces with a non-residue solvent.
- Apply FIPG in a continuous line width approximately 1 mm (0.04 in.) along the sealing surface.
- Parts must be assembled within 10 minutes of application. Otherwise, the FIPG material must be removed and reapplied.

1. **DISCONNECT BATTERY NEGATIVE TERMINAL**
2. **DRAIN AUTOMATIC TRANSMISSION FLUID**

- (a) Remove the drain plug, gasket and drain the ATF.
- (b) Install a new gasket and the drain plug.

Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)

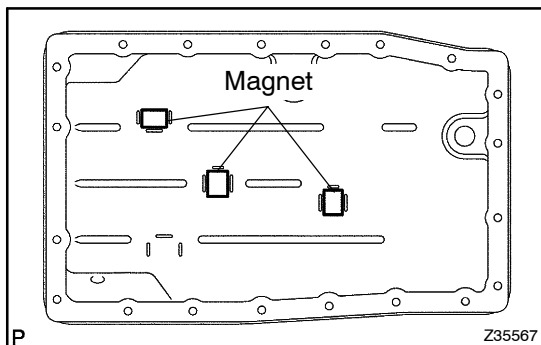


3. **REMOVE AUTOMATIC TRANSMISSION OIL PAN SUB-ASSY**

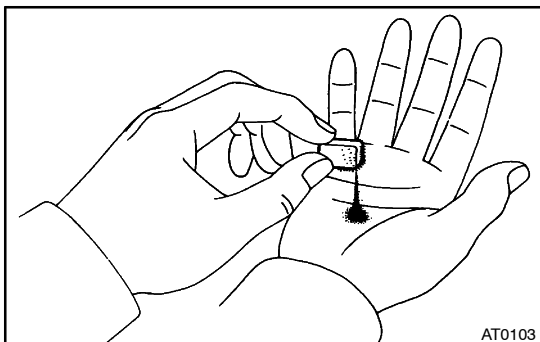
NOTICE:

Some fluid will remain in the oil pan.

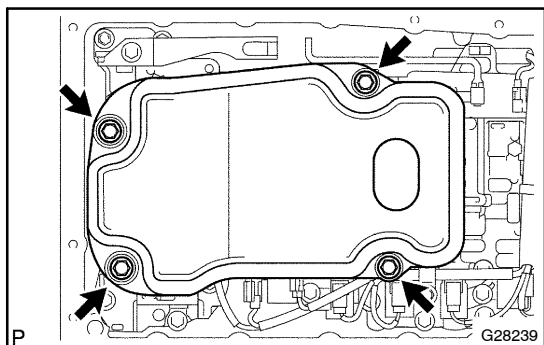
- (a) Remove the 20 bolts, oil pan and gasket.



- (b) Remove the 3 magnets from the oil pan.



- (c) Examine particles in pan.
 - (1) Collect any steel chips with the removed magnets. Carefully look at the foreign objects and particles in the pan and on the magnets to guess at the type of wear which might be found in the transmission.
 - Steel (magnetic) ... bearing, gear and clutch plate wear
 - Brass (non-magnetic) ... bushing wear

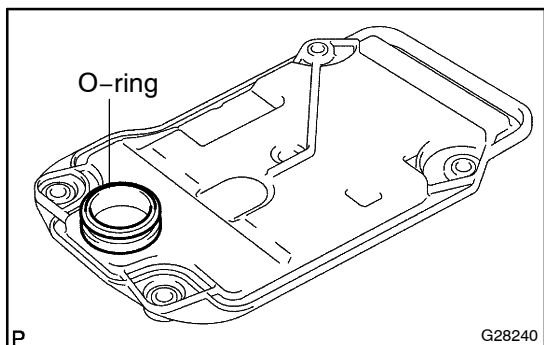


4. REMOVE VALVE BODY OIL STRAINER ASSY

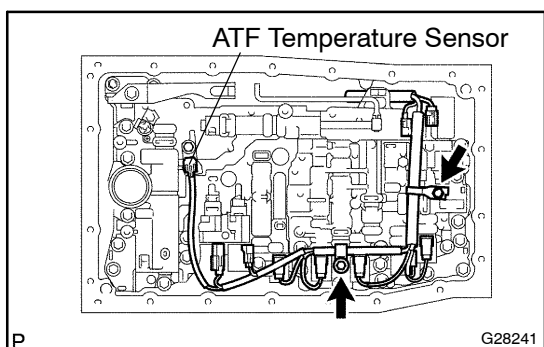
- (a) Remove the 4 bolts and oil strainer.

NOTICE:

Be careful as some fluid will come out of the oil strainer.

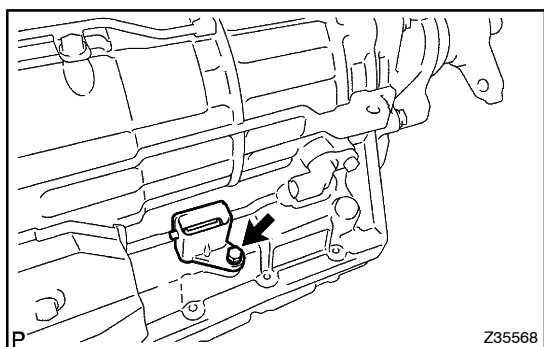


- (b) Remove the O-ring from the oil strainer.



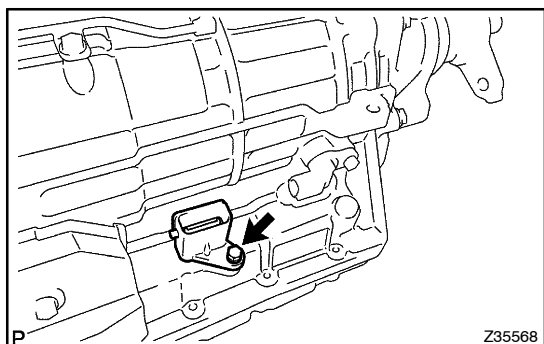
5. DISCONNECT TRANSMISSION WIRE

- (a) Remove the bolt and lock plate, and separate the ATF temperature sensor.
 (b) Remove the 2 bolts and 2 clamps.
 (c) Separate the 9 connectors from the solenoid valves.



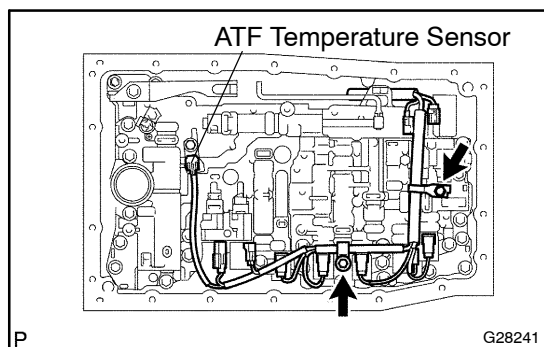
6. REMOVE TRANSMISSION WIRE

- (a) Disconnect the transmission wire connector.
 (b) Remove the bolt and pull out the transmission wire.



7. INSTALL TRANSMISSION WIRE

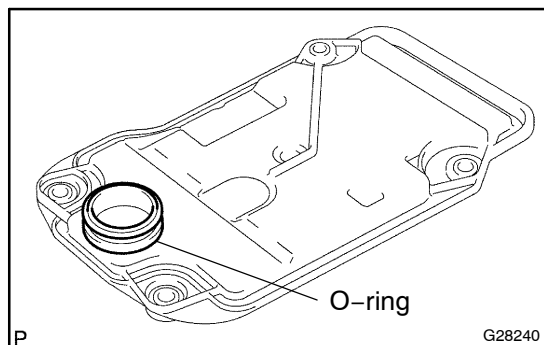
- (a) Coat an O-ring of the transmission wire connector with ATF.
 (b) Install the transmission wire with the bolt.
Torque: 5.4 N·m (55 kgf·cm, 48 in·lbf)
 (c) Connect the transmission wire connector.



8. CONNECT TRANSMISSION WIRE

- Coat a new O-ring of the ATF temperature sensor with ATF.
- Connect the 9 connectors to the solenoid valves.
- Install the 2 clamps with the 2 bolts.
- Install the ATF temperature sensor and lock plate with the bolt.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

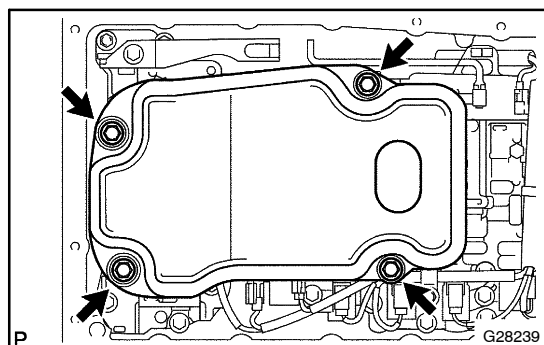


9. INSTALL VALVE BODY OIL STRAINER ASSY

- Coat a new O-ring with ATF.
- Install the O-ring.

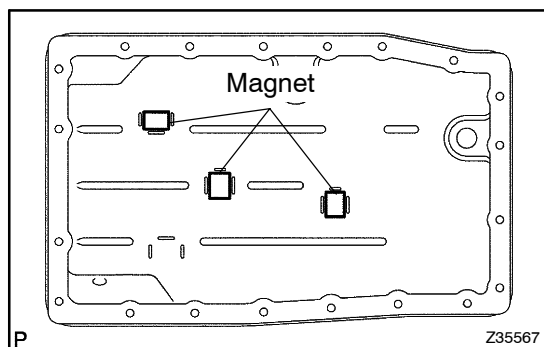
- Install the oil strainer with the 4 bolts.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)



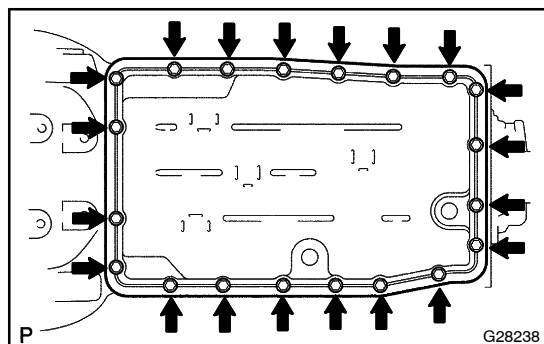
10. INSTALL AUTOMATIC TRANSMISSION OIL PAN SUB-ASSY

- Install the 3 magnets in the oil pan.



- Using a new gasket, install the oil pan with the 20 bolts to the transmission case.

Torque: 4.4 N·m (44 kgf·cm, 39 in·lbf)



11. CONNECT BATTERY NEGATIVE TERMINAL
12. ADD AUTOMATIC TRANSMISSION FLUID (SEE PAGE 40-2)
Fluid type: Auto Fluid WS
Capacity: 4.3 liters (4.5 US qts, 3.8 Imp. qts)
13. RESET MEMORY (SEE PAGE 05-535)
14. PERFORM INITIALIZATION (SEE PAGE 01-20)