TRANSMISSION VALVE BODY ASSY (A750F)

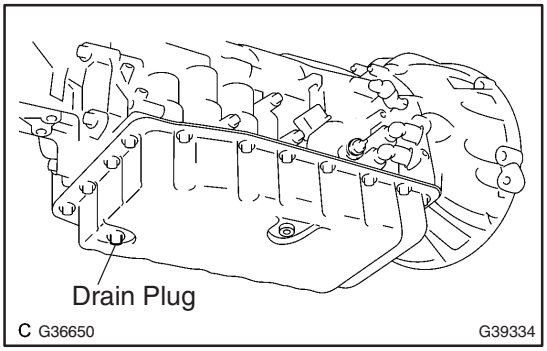
401HB–01

REPLACEMENT

CAUTION:

When working with FIPG material, perform the following:

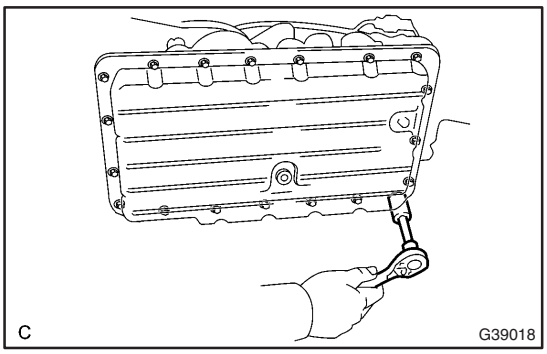
- **Using a gasket scraper, remove all the old FIPG material from the gasket surfaces.**
- **Thoroughly clean all components to remove any loose material.**
- **Clean both sealing surfaces with a non–residue solvent.**
- **Apply FIPG in a continuous line (width approximately 1 mm (0.04 in)) along the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



1. DRAIN AUTOMATIC TRANSMISSION FLUID

(a) Remove the drain plug and gasket, and drain the ATF.

(b) Install a new gasket and the drain plug.
Torque: 28 N·m (285 kgf·cm, 21 ft·lbf)



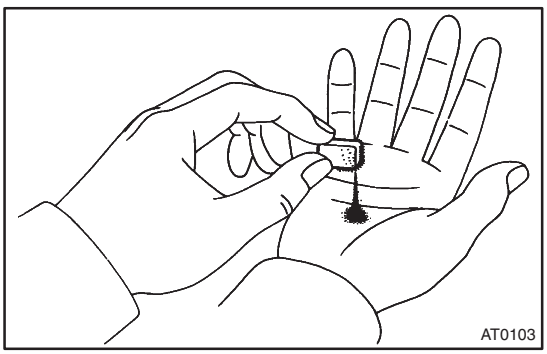
2. REMOVE TRANSMISSION OIL PAN SUB–ASSY

NOTICE:

Some fluid will remain in the oil pan.

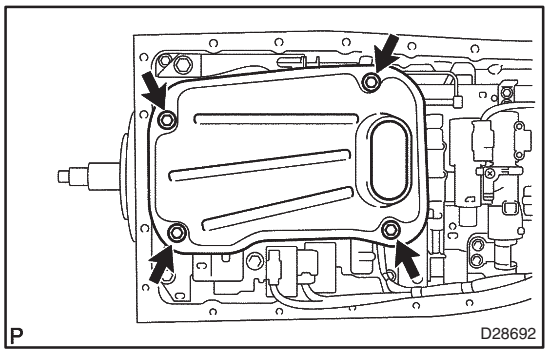
(a) Remove the 20 bolts.

(b) Remove the oil pan gasket.



(c) Examine particles in the pan.

(1) Remove the magnets and use them to collect steel particles. Carefully look at the foreign matter and particles in the pan and on the magnets to anticipate the type of wear which might be found in the transmission.
Steel (magnetic) ... bearing, gear and clutch plate wear
Brass (non–magnetic) ... bushing wear

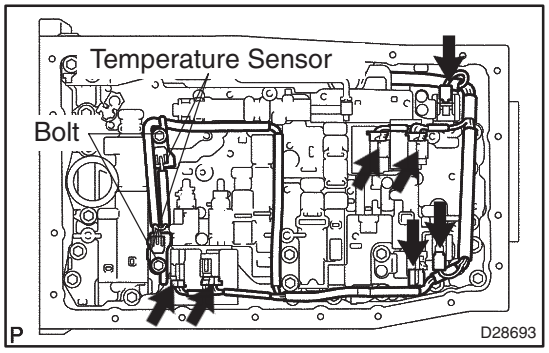


3. REMOVE OIL STRAINER ASSY

(a) Remove the 4 bolts, oil strainer and O–ring.

NOTICE:

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

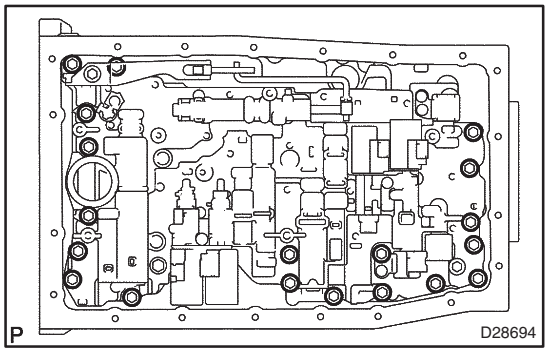


4. SEPARATE TRANSMISSION WIRE

(a) Disconnect the 7 solenoid connectors.

(b) Remove the 2 bolts and the 2 temperature sensor clamps from the valve body.

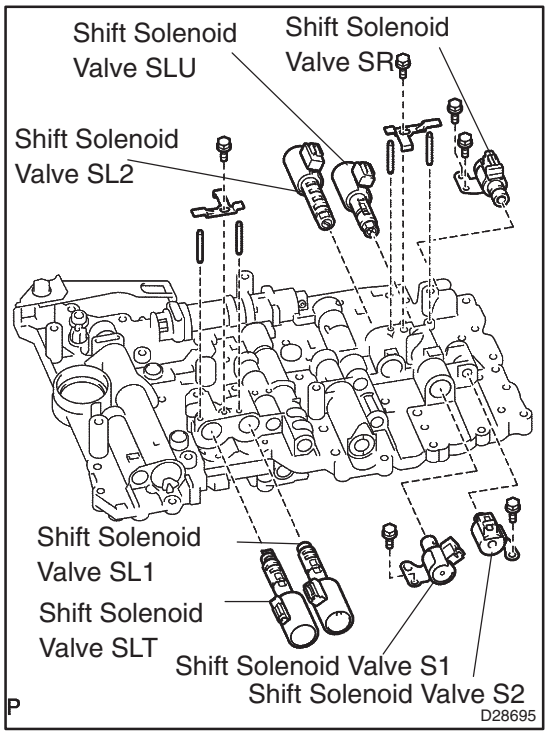
(c) Disconnect the 2 temperature sensors from the valve body.



5. REMOVE TRANSMISSION VALVE BODY ASSY

(a) Remove the 19 bolts and valve body.

(b) Remove the 3 drum seal gaskets.



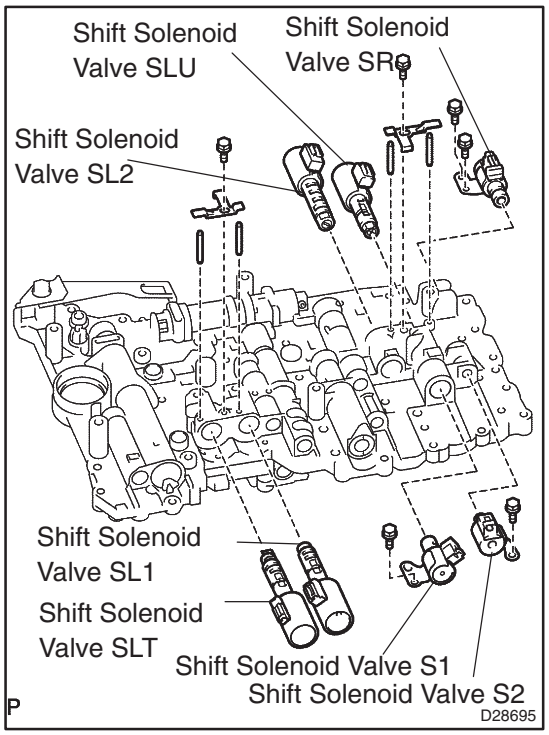
(c) Remove the bolt, lock plate, 2 pins and shift solenoid valves SLT and SL1.

(d) Remove the bolt, lock plate, 2 pins and shift solenoid valves SLU and SL2.

(e) Remove the 2 bolts and shift solenoid valve SR.

(f) Remove the bolt and shift solenoid valve S1.

(g) Remove the bolt and shift solenoid valve S2.



6. INSTALL TRANSMISSION VALVE BODY ASSY

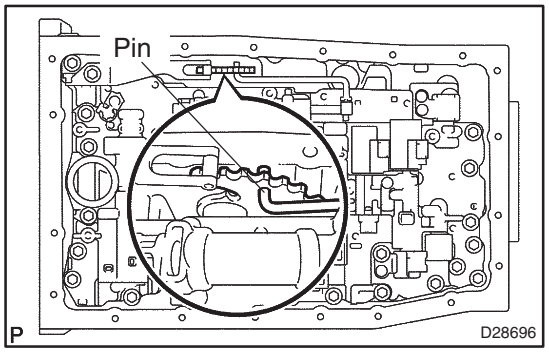
(a) Install the shift solenoid valve S2 with the bolt.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

(b) Install the shift solenoid valve S1 with the bolt.
Torque: 6.4 N·m (65 kgf·cm, 56 in.·lbf)

(c) Install the shift solenoid valve SR with the 2 bolts.
Torque: 6.4 N·m (65 kgf·cm, 56 in.·lbf)

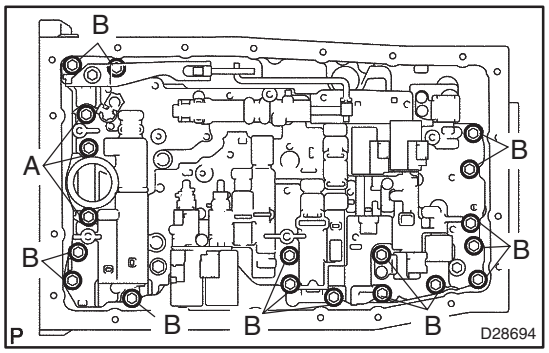
(d) Install the shift solenoid valves SLU and SL2 with the 2 pins, lock plate and bolt.
Torque: 6.4 N·m (65 kgf·cm, 56 in.·lbf)

(e) Install the shift solenoid valves SLT and SL1 with the 2 pins, lock plate and bolt.
Torque: 6.4 N·m (65 kgf·cm, 56 in.·lbf)

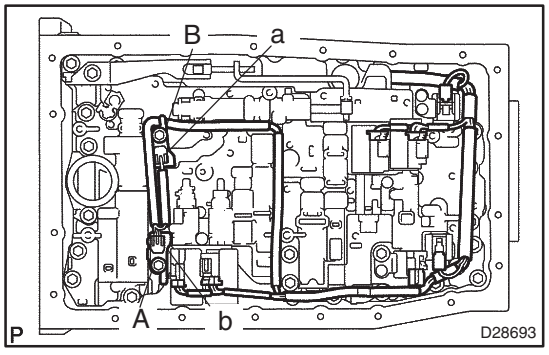


(f) Align the groove of the manual valve with the pin of the lever.

(g) Install 3 new drum seal gaskets to the transmission case.



(h) Install the 19 bolts.
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)
Bolt length:
Bolt A: 36 mm (1.42 in.)
Bolt B: 25 mm (0.98 in.)

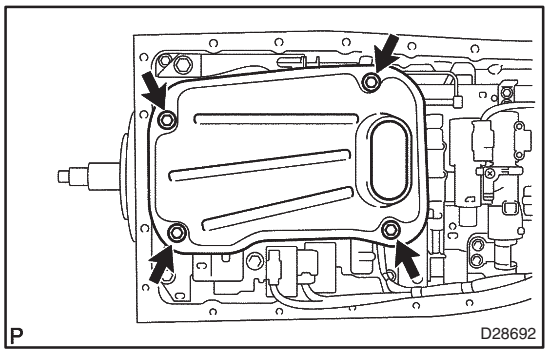


7. INSTALL TRANSMISSION WIRE

(a) Connect the 7 connectors to the solenoid valves.

(b) Install the 2 clamps with the bolts.
Torque:
A: 11 N·m (110 kgf·cm, 8 in.·lbf)
B: 10 N·m (100 kgf·cm, 7 in.·lbf)

(c) Connect the ATF temperature sensor.
Wiring color:
a: Blue
b: Orange



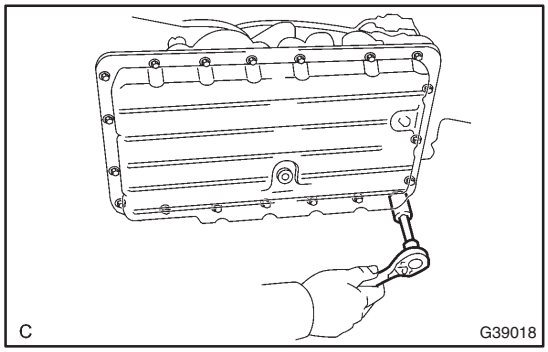
8. INSTALL OIL STRAINER ASSY

(a) Coat a new O–ring with ATF.

(b) Install the O–ring.

(c) Install the oil strainer with the 4 bolts.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)



9. INSTALL TRANSMISSION OIL PAN SUB–ASSY

HINT:

Remove any packing material and be careful not to drop oil on the contacting surfaces of the transmission case and oil pan.

(a) Install a new gasket and oil pan with the 20 bolts.

Torque: 4.4 N·m (45 kgf·cm, 39 in.·lbf)

10. ADD AUTOMATIC TRANSMISSION FLUID (SEE PAGE 40–2)

11. INSPECT AUTOMATIC TRANSMISSION FLUID (SEE PAGE 40–2)

12. RESET MEMORY

NOTICE:

Perform the RESET MEMORY (AT initialization) when replacing the automatic transmission assy, engine assy or ECM (see page 05–1026).

HINT:

RESET MEMORY can not be completed by only disconnecting the battery terminal.