TRANSMISSION VALVE BODY ASSY (A340F)

40104–01

REPLACEMENT

CAUTION:

When working with FIPG material, you must observe the following items.

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

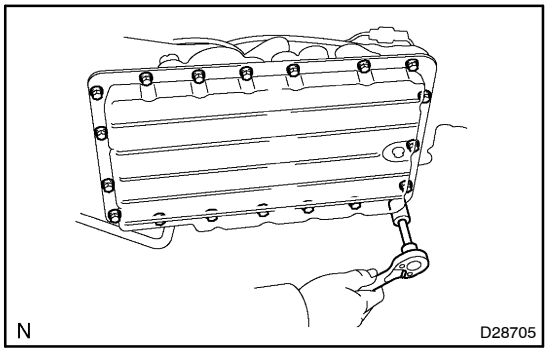
1. DRAIN AUTOMATIC TRANSMISSION FLUID

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

(b) Install a new gasket and drain plug.

Torque: 28 N·m (285 kgf·cm, 21 ft·lbf)

2. REMOVE TRANSMISSION OIL FILLER TUBE SUB–ASSY (See page 40–4)

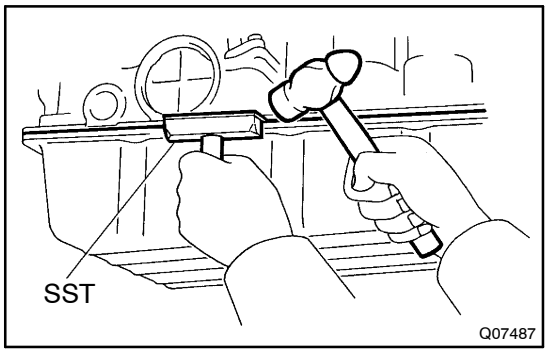


3. REMOVE AUTOMATIC TRANSMISSION OIL PAN SUB–ASSY

NOTICE:

Some fluid will remain in the oil pan.

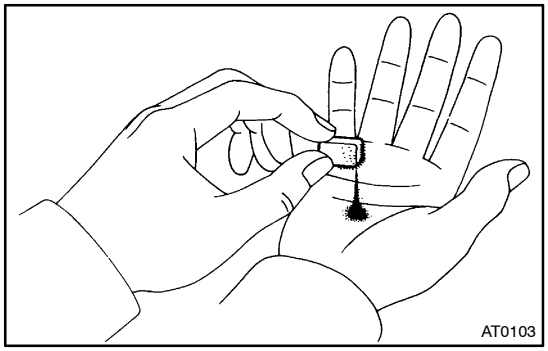
(a) Remove the 19 bolts and oil pan sub–assy.



(b) Install the blade of SST between the transmission case and oil pan, cut off applied sealer and remove the oil pan.
SST 09032–00100

NOTICE:

When removing the oil pan, be careful not to damage the oil pan flange.

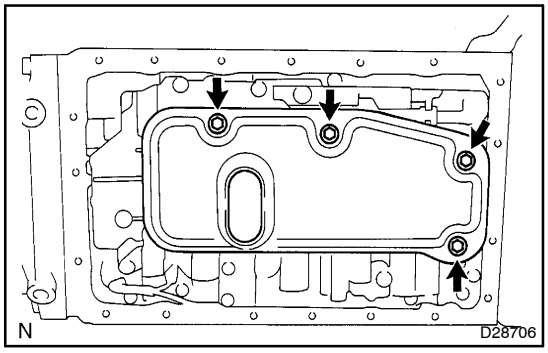


(c) Examine particles in the oil pan.

(1) Remove the 3 magnets and collect steel particles by the magnets. Carefully look at the foreign matter and particles in the pan and on the magnets to anticipate the type of wear you will find in the transmission.

Steel (magnetic) ... bearing, gear and clutch plate wear

Brass (non–magnetic) ... bushing wear



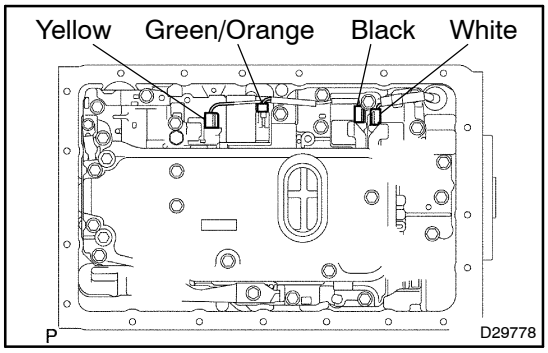
4. REMOVE VALVE BODY OIL STRAINER ASSY

(a) Remove the 4 bolts from the oil strainer.

NOTICE:

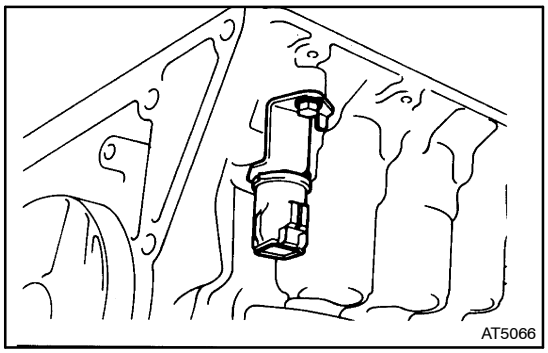
Be careful as some fluid will come out of the oil stainer.

(b) Remove the 3 gaskets from the oil strainer.



5. REMOVE TRANSMISSION WIRE

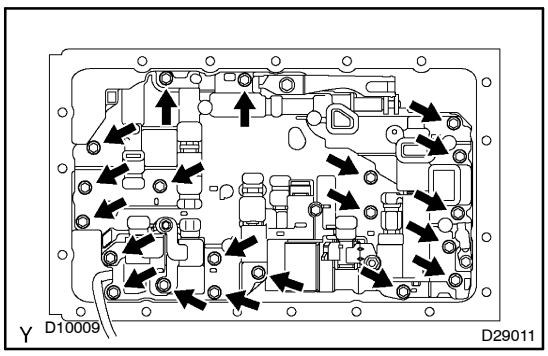
(a) Disconnect the 4 connectors from each shift solenoid valve.



(b) Remove the bolt and the stopper plate from the case.

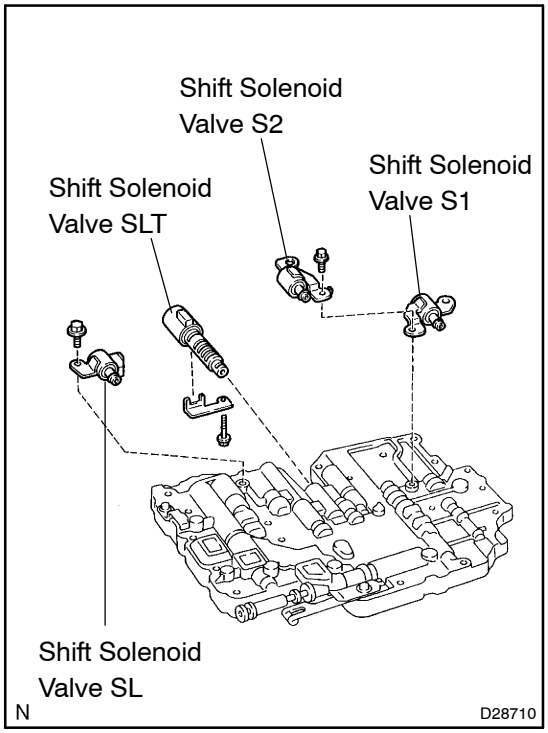
(c) Pull out the solenoid wiring from the transmission case.

(d) Remove the O–rings from the solenoid wiring.

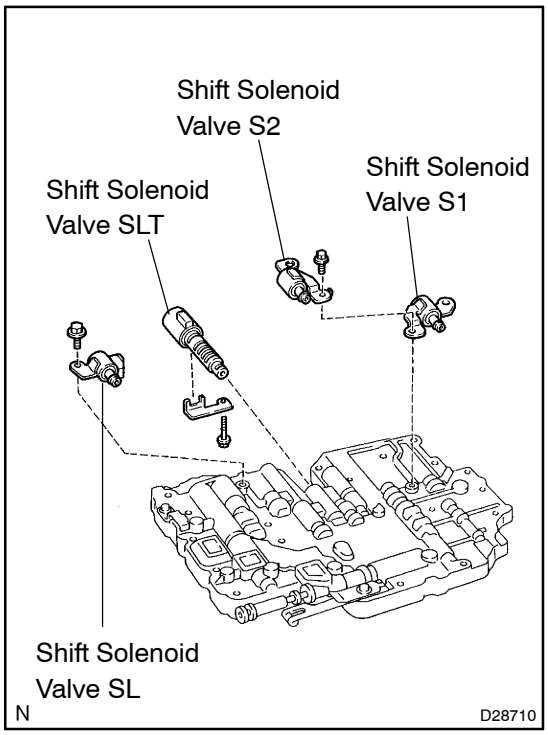


6. REMOVE TRANSMISSION VALVE BODY ASSY

(a) Remove the 20 bolts and valve body assy.

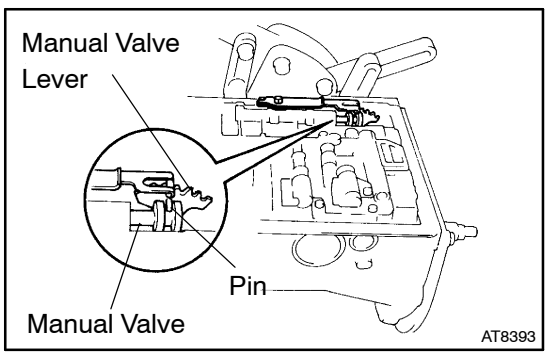


(b) Remove the bolt and shift solenoid valve S1 and S2.
(c) Remove the bolt and shift solenoid valve SL.
(d) Remove the bolt and shift solenoid valve SLT.

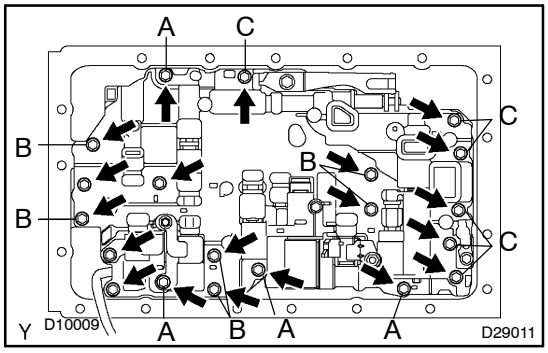


7. INSTALL TRANSMISSION VALVE BODY ASSY

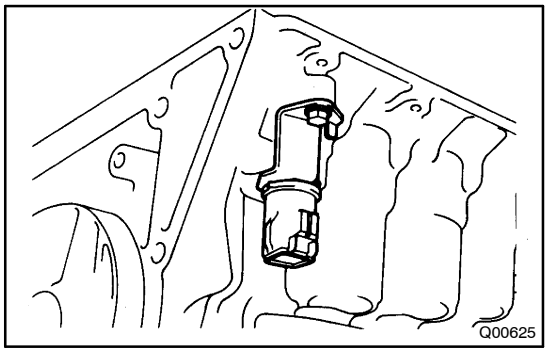
(a) Install the shift solenoid valve SL with the bolt.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)
(b) Install the shift solenoid valve S1 and S2 with the bolt.
Torque: 6.4 N·m (65 kgf·cm, 56 in.·lbf)
(c) Install the shift solenoid valve SLT with the bolt.
Torque: 6.4 N·m (65 kgf·cm, 56 in.·lbf)



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



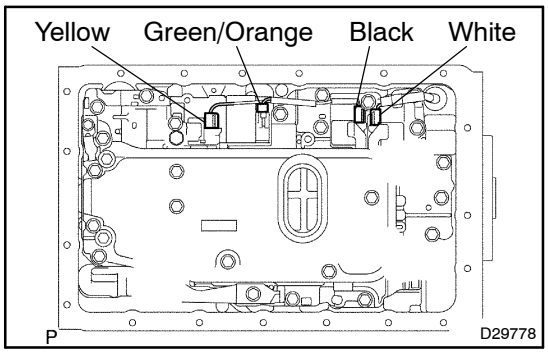
(e) Install the 20 bolts.
Torque: 11 N·m (110 kgf·cm, 8 ft·lbf)
Bolt length:
Bolt A: 23 mm (0.91 in.)
Bolt B: 28 mm (1.10 in.)
Bolt C: 36 mm (1.42 in.)



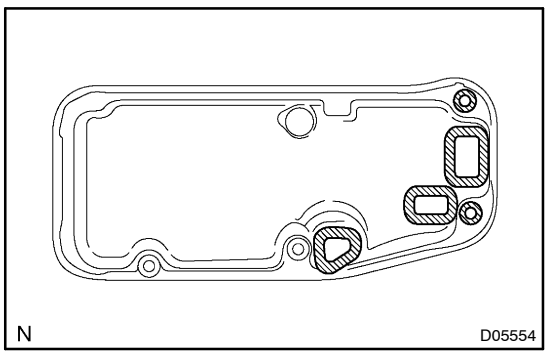
8. INSTALL TRANSMISSION WIRE

(a) Coat a new O–ring with ATF, and install it to the solenoid wiring.

(b) Install the solenoid wiring to the case, and install the stopper plate.
Torque: 5.4 N·m (55 kgf·cm, 48 in.·lbf)

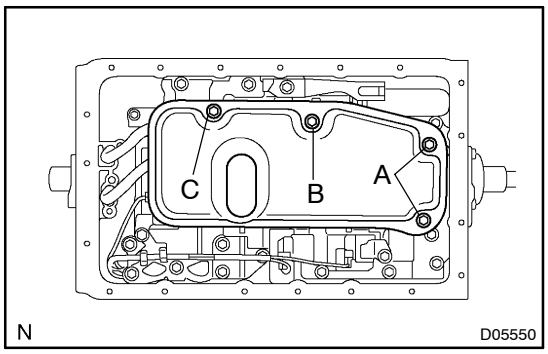


(c) Connect the connectors to each shift solenoid valve.

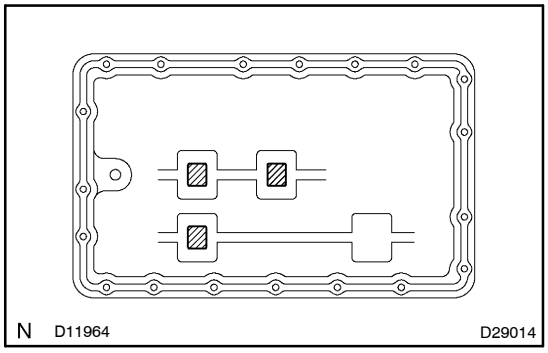


9. INSTALL VALVE BODY OIL STRAINER ASSY

(a) Install the 3 new gaskets.



(b) Install the oil strainer with the 4 bolts.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)
Bolt length:
Bolt A: 14 mm (0.55 in.)
Bolt B: 20 mm (0.79 in.)
Bolt C: 23 mm (0.91 in.)

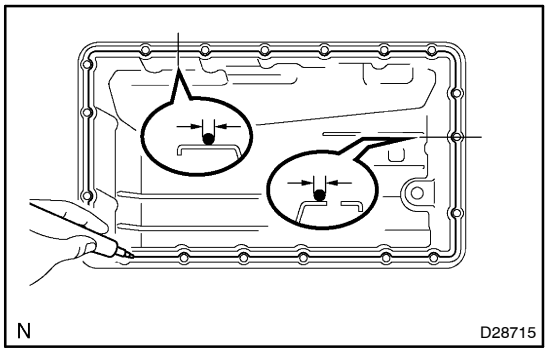


10. INSTALL AUTOMATIC TRANSMISSION OIL PAN SUB–ASSY

HINT:

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

(a) Install the 3 magnets in the indications of the oil pan sub–assy.



(b) Apply FIPG to the oil pan, as shown in the illustration.
FIPG:
Part No.08826–0000, THREE BOND 1281 or equivalent

(c) Install the oil pan sub–assy with 19 bolts.
Torque: 7.4 N·m (75 kgf·cm, 65 in.·lbf)

11. INSTALL TRANSMISSION OIL FILLER TUBE SUB–ASSY (See page 40–4)

12. ADD AUTOMATIC TRANSMISSION FLUID

13. INSPECT AUTOMATIC TRANSMISSION FLUID (See pub. No. RM990E, page 40–2)