

VALVE BODY ASSEMBLY ON-VEHICLE REPAIR

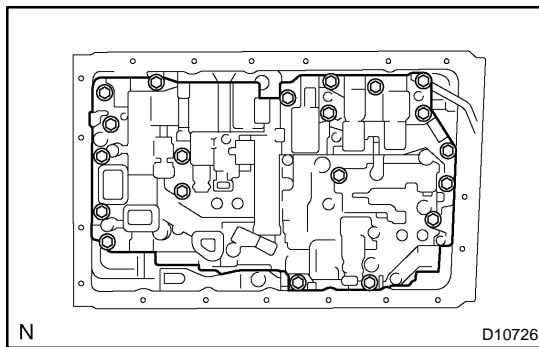
AT05Z-04

CAUTION:

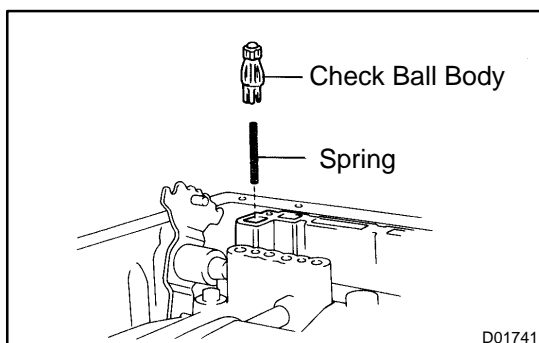
When working with FIPG material, you must observe the following items.

- 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-residue 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.

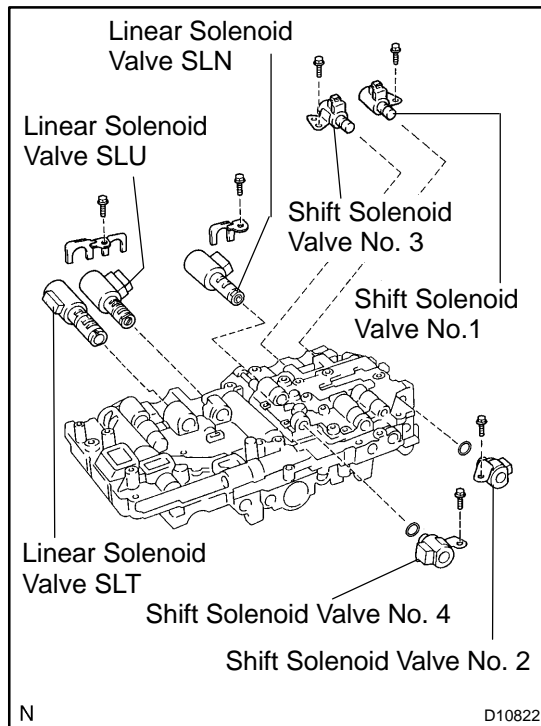
1. REMOVE DRAIN PLUG WITH GASKET AND DRAIN ATF
2. REMOVE OIL PAN (See page [AT-7](#))
3. EXAMINE PARTICLES IN PAN (See page [AT-7](#))
4. REMOVE OIL STRAINER (See page [AT-7](#))
5. REMOVE SOLENOID WIRING WITH ATF TEMPERATURE SENSOR (See page [AT-7](#))

**6. REMOVE VALVE BODY**

Remove the 21 bolts and valve body.

**7. REMOVE CHECK BALL BODY AND SPRING****NOTICE:**

Do not drop the check ball body and spring.

**8. REMOVE SOLENOID VALVE**

- Remove the 4 bolts and shift solenoid valve No. 1, No. 2, No. 3 and No. 4.
- Remove the bolt, lock plate and linear solenoid valve SLN.
- Remove the 2 O-rings from shift solenoid valve No. 2 and No. 4.
- Remove the bolt, lock plate and linear solenoid valve SLU and SLT.

9. INSTALL SOLENOID VALVE

- Install the linear solenoid valve SLU and SLT and the lock plate with the bolt.

Torque: 6.4 N·m (65 kgf·cm, 56 in.-lbf)

- Coat 2 new O-rings with ATF.
- Install the 2 O-rings to the shift solenoid valve No. 2 and No. 4.
- Install the linear solenoid valve SLN with the bolt.

Torque: 10 N·m (100 kgf·cm, 7 ft-lbf)

- Install the shift solenoid valve No. 1, No. 2, No. 3 and No. 4 with the 4 bolts.

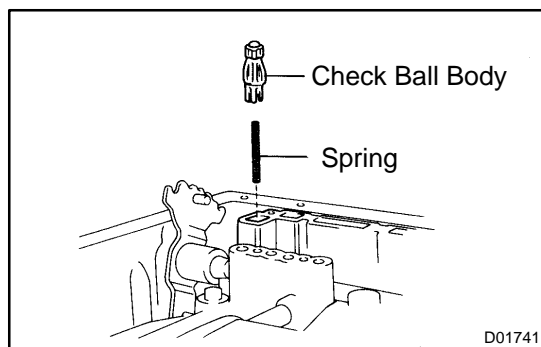
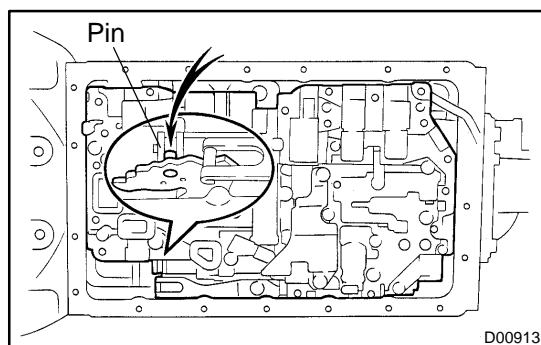
Torque:

Shift solenoid valve No. 1 and No. 3:

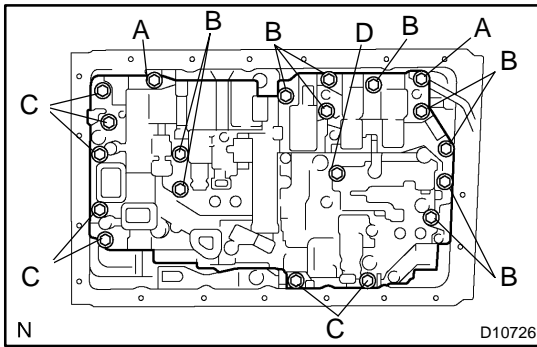
6.4 N·m (65 kgf·cm, 56 in.-lbf)

Shift solenoid valve No. 2 and No. 4:

10 N·m (100 kgf·cm, 7 ft-lbf)

**10. INSTALL CHECK BALL BODY AND SPRING****11. INSTALL VALVE BODY**

- Align the groove of the manual valve to pin of the lever.



(b) Install the 21 bolts.

Torque: 10 N·m (100 kgf-cm, 7 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.)

Bolt D: 55 mm (2.17 in.)

12. INSTALL SOLENOID WIRING WITH ATF TEMPERATURE SENSOR (See page [AT-7](#))

13. INSTALL OIL STRAINER (See page [AT-7](#))

14. INSTALL OIL PAN (See page [AT-7](#))

15. INSTALL DRAIN PLUG WITH NEW GASKET

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

16. FILL FLUID AND CHECK FLUID

3UZ-FE: (See page [DI-417](#))

2JZ-GE: (See page [DI-346](#))