

VALVE BODY ASSEMBLY ON-VEHICLE REPAIR

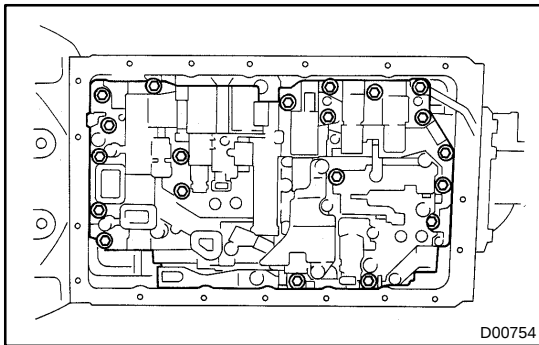
AT05Z-03

CAUTION:

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

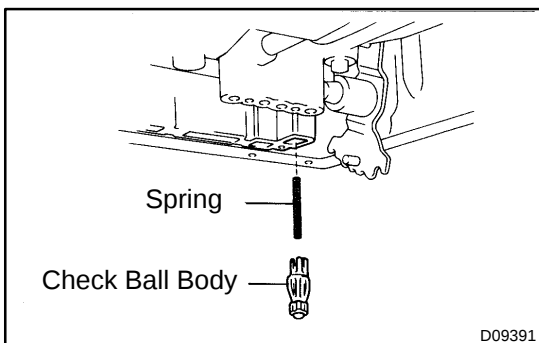
- Using a razor blade and gasket scraper, remove all the old FIPG material from the gasket surfaces.
- Thoroughly clean all components to remove all the loose material.
- Clean both sealing surfaces with a non-residue solvent.
- Apply FIPG in an approx. 1 mm (0.04 in.) wide bead along the sealing surface.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

1. REMOVE NO. 1 AND NO. 2 ENGINE UNDER COVERS
2. REMOVE LH FRONT FLOOR CENTER COVER
3. REMOVE NO. 1 REAR FLOOR BOARD
4. REMOVE DRAIN PLUG WITH GASKET AND DRAIN ATF
5. REMOVE OIL PAN (See page [AT-9](#))
6. EXAMINE PARTICLES IN PAN (See page [AT-9](#))
7. REMOVE OIL STRAINER (See page [AT-9](#))
8. REMOVE SOLENOID WIRING WITH ATF TEMPERATURE SENSOR (See page [AT-9](#))



9. REMOVE VALVE BODY

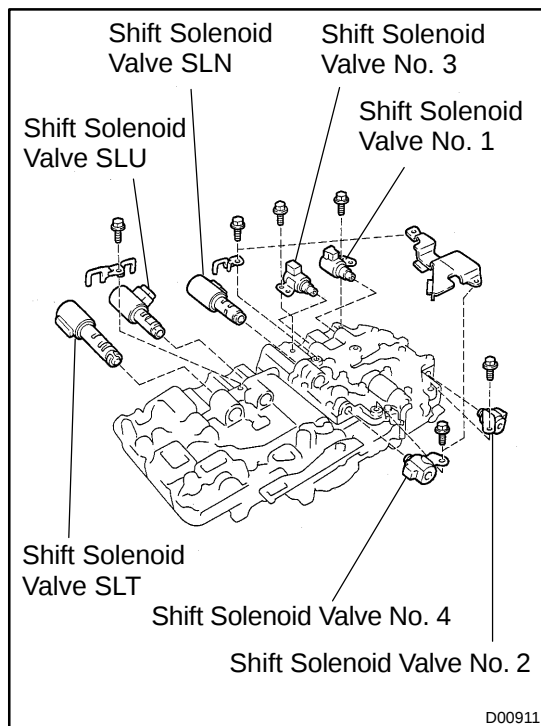
Remove the 20 bolts and valve body.



10. REMOVE CHECK BALL BODY AND SPRING

NOTICE:

Do not drop the check ball body and spring.

**11. REMOVE SOLENOID VALVE**

- (a) Remove the 3 bolts and shift solenoid valve No. 1, No. 2 and No. 3.
- (b) Remove the 2 bolts, oil guide plate, lock plate, shift solenoid valve SLN and No. 4.
- (c) Remove the 6 O-rings from each shift solenoid valve.
- (d) Remove the bolt, lock plate and shift solenoid valve SLU and SLT.

12. INSTALL SOLENOID VALVE

- (a) Install the shift solenoid valve SLU and SLT and the lock plate with the bolt.

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

- (b) Coat 6 new O-rings with ATF.
- (c) Install the 6 O-rings to the each solenoid valve.
- (d) Install the shift solenoid valve SLN, No. 4, lock plate and oil guide plate with the 2 bolts.

Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

- (e) Install the shift solenoid valve No. 1, No. 2 and No. 3 with the 3 bolts.

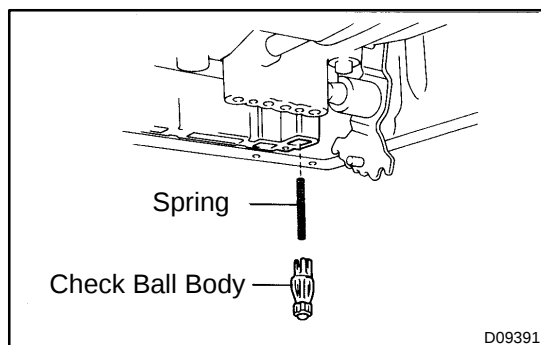
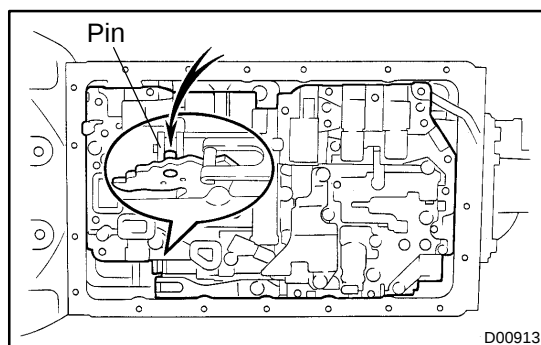
Torque:

Shift solenoid valve No. 1 and No. 3:

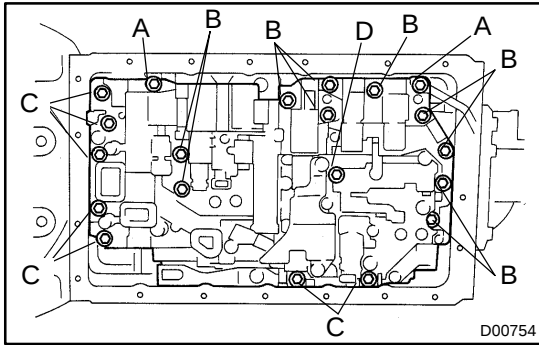
6.4 N·m (65 kgf·cm, 56 in·lbf)

Shift solenoid valve No. 2:

10 N·m (100 kgf·cm, 7 ft·lbf)

**13. INSTALL CHECK BALL BODY AND SPRING****14. INSTALL VALVE BODY**

- (a) Align the groove of the manual valve to pin of the lever.



(b) Install the 20 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.)

15. **INSTALL SOLENOID WIRING WITH ATF TEMPERATURE SENSOR (See page [AT-9](#))**
16. **INSTALL OIL STRAINER (See page [AT-9](#))**
17. **INSTALL OIL PAN (See page [AT-9](#))**
18. **INSTALL DRAIN PLUG WITH NEW GASKET**
Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)
19. **FILL FLUID AND CHECK FLUID (See page [DI-338](#))**
20. **INSTALL NO. 1 REAR FLOOR BOARD**
21. **INSTALL LH FRONT FLOOR CENTER COVER**
22. **INSTALL NO. 1 AND NO. 2 ENGINE UNDER COVERS**