

# VALVE BODY ASSEMBLY

## ON-VEHICLE REPAIR

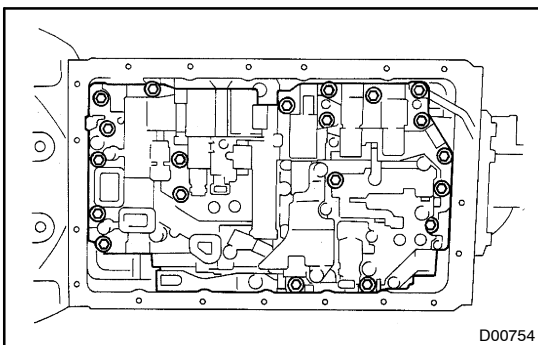
AT05Z-05

### CAUTION:

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

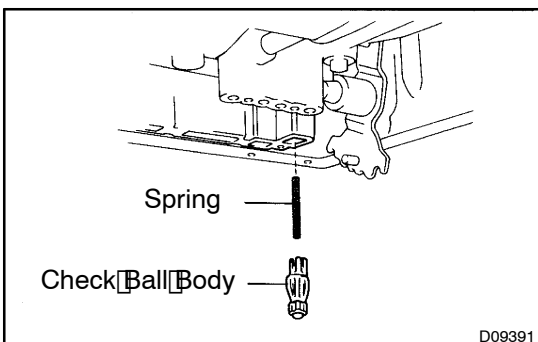
- Using a razor blade and gasket scraper, remove all the old FIPG material from the gasket surfaces.
- Thoroughly clean all components to remove all the loose material.
- Clean both sealing surfaces with a non-residue solvent.
- Apply FIPG in an approx. 1 mm (0.04 in.) wide bead along the sealing surface.
- 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. DRAIN ATF
  - (a) Remove the drain plug, gasket and drain ATF.
  - (b) Install a new gasket and drain plug.  
Torque: 20 N·m (205 kgf·cm, 15 ft·lbf)
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 WIRE WITH ATF TEMPERATURE SENSOR (See page AT-9)



### 9. REMOVE VALVE BODY

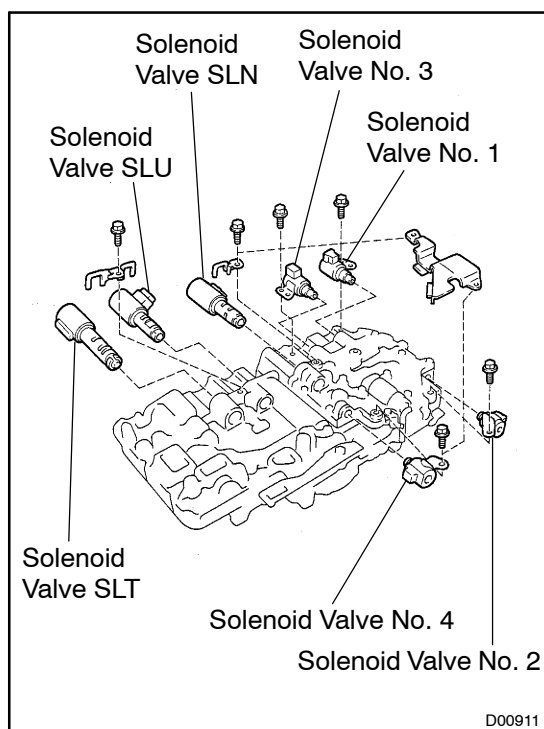
Remove the 20 bolts and valve body.



### 10. REMOVE CHECK BALL BODY AND SPRING

#### NOTICE:

Do not drop the check ball body and spring.

**11. REMOVE SOLENOID VALVE**

- Remove the 3 bolts and solenoid valve No. 1, No. 2 and No. 3.
- Remove the 2 bolts, oil guide plate, lock plate, solenoid valve SLN and No. 4.
- Remove the 6 O-rings from each solenoid valve.
- Remove the bolt, lock plate and solenoid valve SLU and SLT.

**12. INSTALL SOLENOID VALVE**

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

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

- Coat 6 new O-rings with ATF.
- Install the 6 O-rings to the each solenoid valve.
- Install the 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)**

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

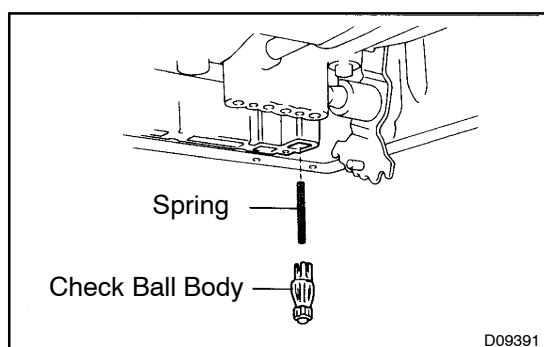
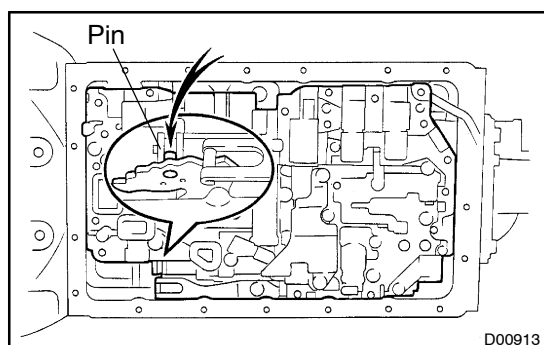
**Torque:**

**Solenoid valve No. 1 and No. 3:**

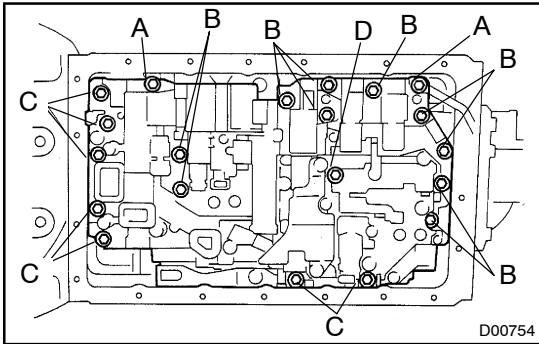
**6.4 N·m (65 kgf·cm, 56 in·lbf)**

**Solenoid valve No. 2:**

**10 N·m (100 kgf·cm, 7 ft·lbf)**

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

- 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 WIRE 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. FILL FLUID AND CHECK FLUID (See page DI-170)

19. INSTALL NO. 1 REAR FLOOR BOARD

20. INSTALL LH FRONT FLOOR CENTER COVER

21. INSTALL NO. 1 AND NO. 2 ENGINE UNDER COVERS