

VALVE BODY ASSEMBLY ON-VEHICLE REPAIR

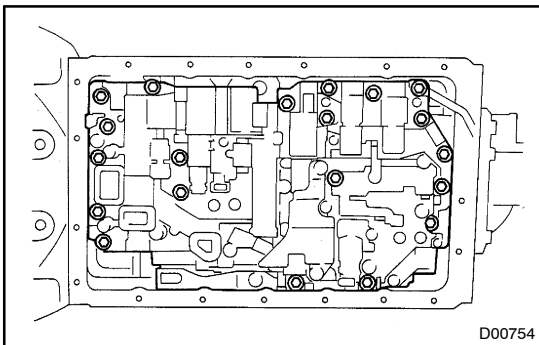
AT05Z-02

NOTICE:

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

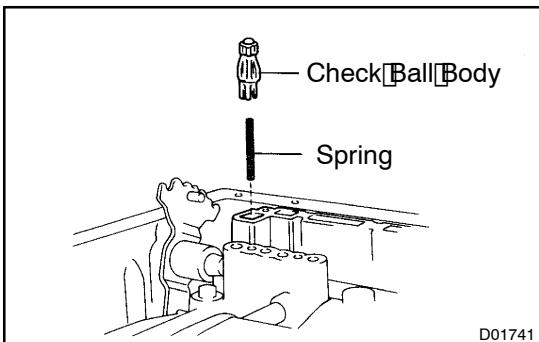
- Using a razor blade and gasket scraper, remove all the old FIPG material from the gasket surfaces.
- Thoroughly clean all components to remove all the loose material.
- Clean both sealing surfaces with a non-residue solvent.
- Apply FIPG in an approx. 1 mm (0.04 in.) wide bead along the sealing surface.
- 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-5)
3. EXAMINE PARTICLES IN PAN
(See page AT-5)
4. REMOVE OIL STRAINER
(See page AT-5)
5. REMOVE SOLENOID WIRING WITH ATF TEMPERATURE SENSOR
(See page AT-5)



6. REMOVE VALVE BODY

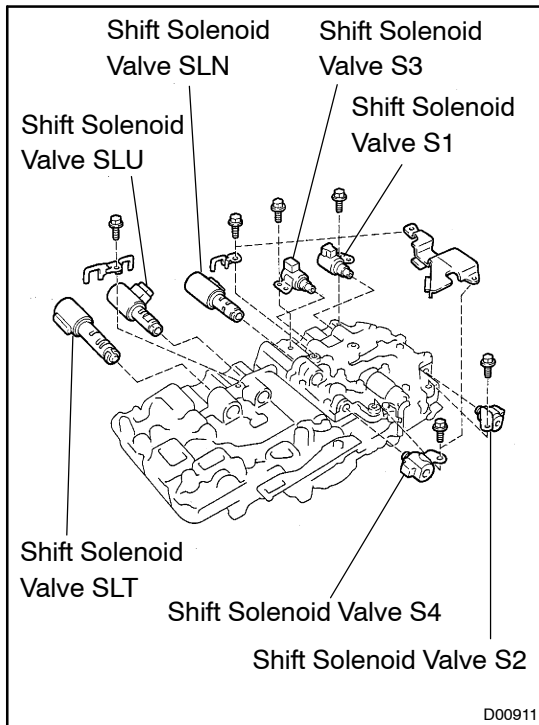
- (a) Remove the 21 bolts and valve body.



7. REMOVE CHECK BALL BODY AND SPRING

NOTICE:

Do not drop the check ball body and spring.



8. REMOVE SOLENOID VALVE

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

9. INSTALL SOLENOID VALVE

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

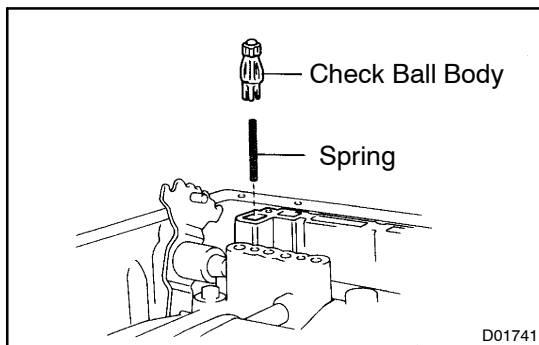
Torque:

Shift solenoid valve No.1 and No.3:

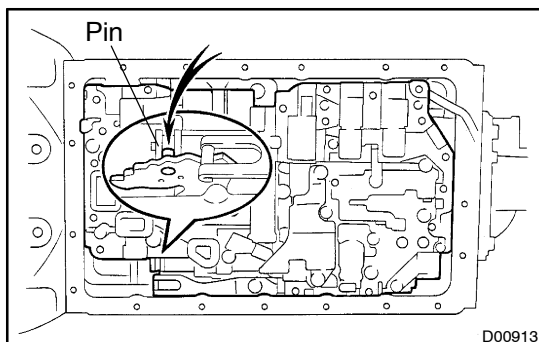
6.4 N·m (65 kgf·cm, 56 in.·lbf)

Shift solenoid valve No.2:

10 N·m (100 kgf·cm, 7 ft·lbf)

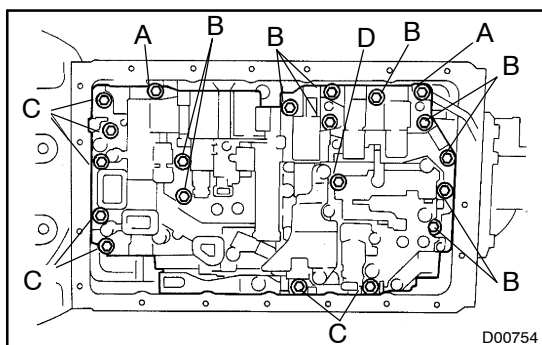


10. INSTALL CHECK BALL BODY AND SPRING



11. INSTALL VALVE BODY

- Align the groove of the manual valve with 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-5)

13. INSTALL OIL STRAINER

(See page AT-5)

14. INSTALL OIL PAN

(See page AT-5)

15. INSTALL DRAIN PLUG WITH NEW GASKET

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

16. FILL FLUID AND CHECK FLUID LEVEL

(See page DI-14)