

VALVE BODY ASSEMBLY ON-VEHICLE REPAIR

AT0HK-01

1. REMOVE DRAIN PLUG AND DRAIN ATF
2. REMOVE OIL PAN

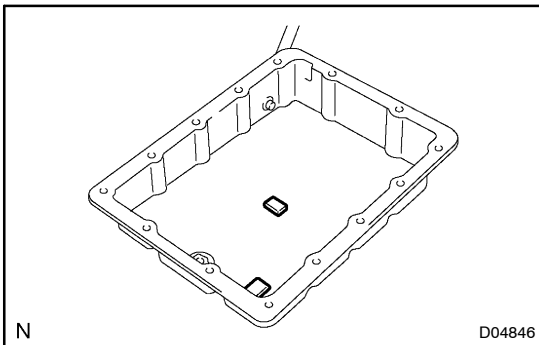
NOTICE:

Some fluid will remove in the oil pan.

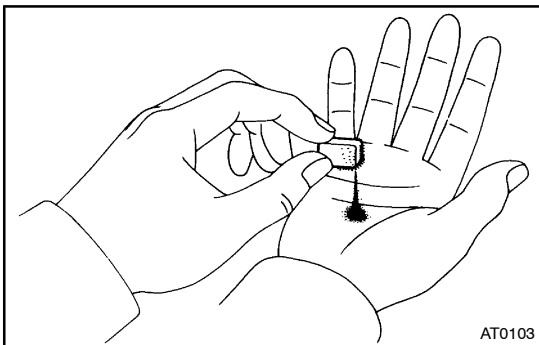
- (a) Remove the 14 bolts.
- (b) Remove the oil pan and gasket.

NOTICE:

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



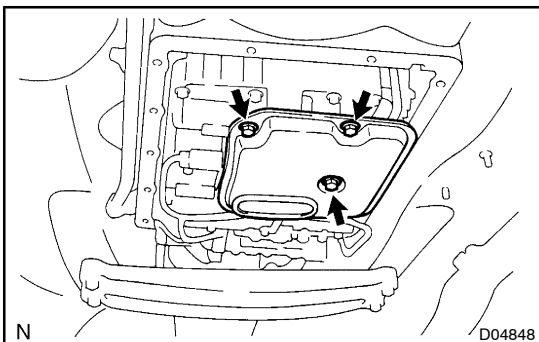
3. REMOVE 2 MAGNETS FROM OIL PAN



4. EXAMINE PARTICLES IN PAN

Remove the magnets and use them to collect any steel chips. Look carefully at the chips and particles in the pan and the magnet to anticipate what type of wear you will find in the transmission.

- Steel (magnetic): bearing, gear and plate wear
- Brass (non-magnetic): bushing wear

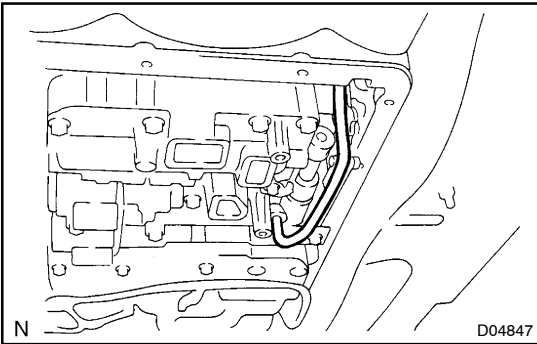


5. REMOVE OIL STRAINER

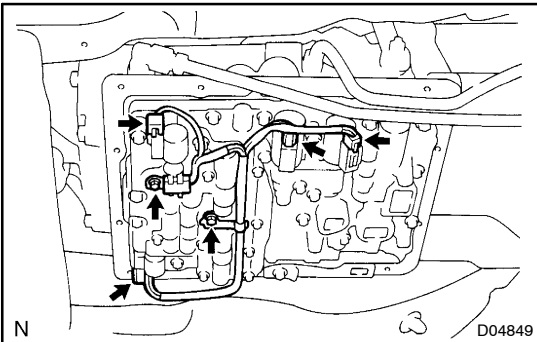
NOTICE:

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

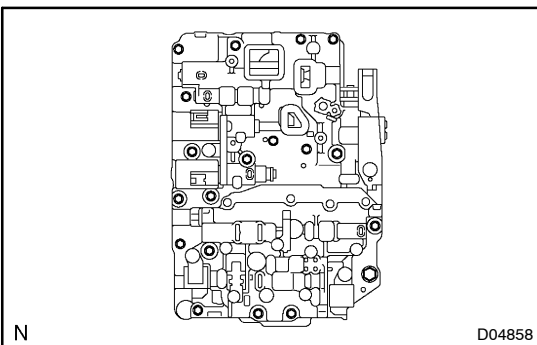
- (a) Remove the 3 bolts and oil strainer from the valve body.
- (b) Remove the gasket.

**6. REMOVE OIL PIPE**

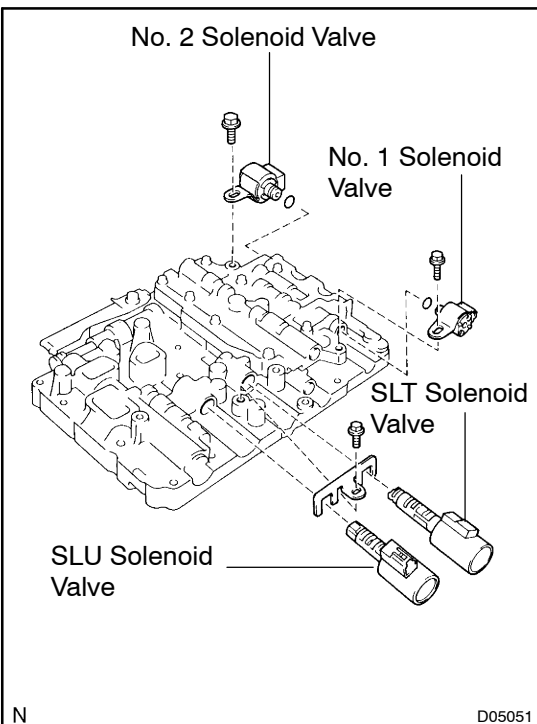
Pry up both oil pipe ends with a large screwdriver and remove the oil pipe.

**7. REMOVE SOLENOID WIRING WITH ATF TEMPERATURE SENSOR**

- (a) Remove the bolt and disconnect the ATF temperature sensor.
- (b) Remove the bolt and clamp.
- (c) Disconnect the 4 connectors from the solenoid.

**8. REMOVE VALVE BODY**

- (a) Remove the 17 bolts.
- (b) Remove the valve body.

**9. REMOVE SOLENOID VALVE**

- (a) Remove the 2 bolts and No. 1 solenoid valve and No. 2.
- (b) Remove the 2 O-rings from each solenoid valve.
- (c) Remove the bolt, lock plate and SLU solenoid valve and SLT.

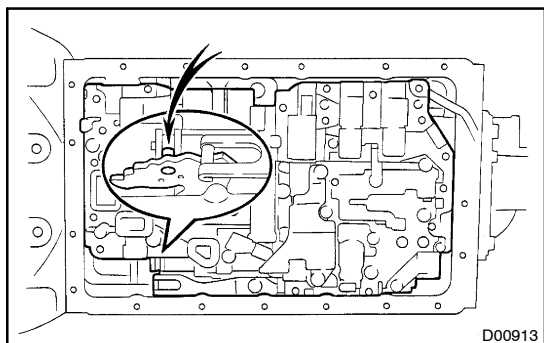
10. INSTALL SOLENOID VALVE

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

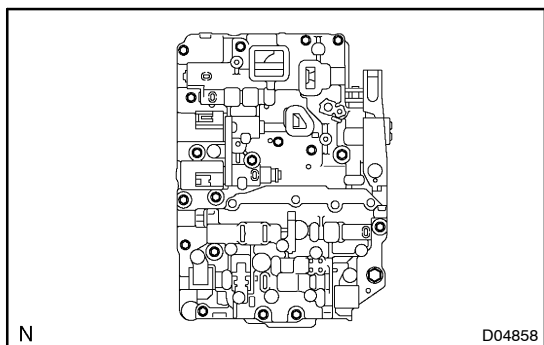
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

- (b) Coat 2 new O-rings with ATF.
- (c) Install the 2 O-rings to the each solenoid valve.
- (d) Install the No. 1 solenoid valve and No. 2 with the 2 bolts.

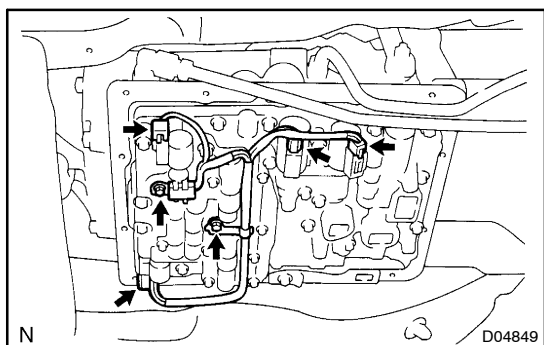
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

**11. INSTALL VALVE BODY**

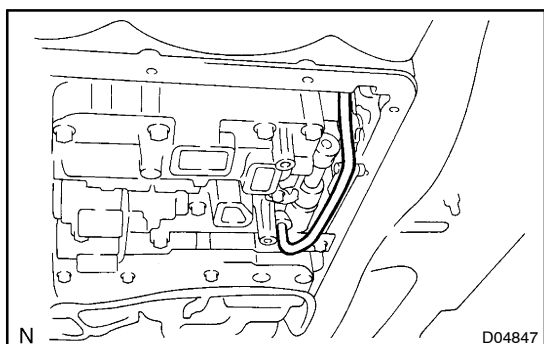
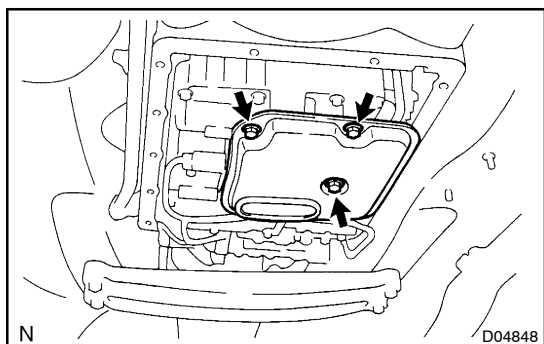
- (a) Align the groove of the manual valve to pin of the lever.



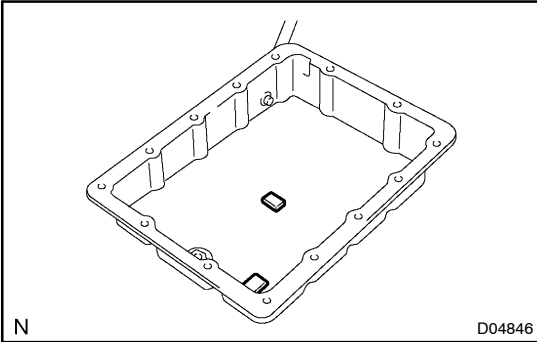
- (b) Install the valve body with the 17 bolts.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

**12. INSTALL SOLENOID WIRING WITH ATF TEMPERATURE SENSOR**

- (a) Connect the 4 connectors to the solenoid.
(b) Install the clamp and bolt.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)
(c) Install the TAF temperature sensor with the bolt.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

**13. INSTALL OIL PIPE****14. INSTALL OIL STRAINER**

- (a) Install the gasket.
(b) Install the oil strainer with the 3 bolts to the valve body.
Torque: 10 N·m (100 kgf·cm, 7 ft·lbf)

**15. INSTALL 2 MAGNETS TO OIL PAN****16. INSTALL OIL PAN**

Install the new gasket and oil pan with the 14 bolts.

Torque: 4.4 N·m (45 kgf·cm, 39 in·lbf)

17. INSTALL DRAIN PLUG WITH NEW GASKET

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

18. FILL ATF AND CHECK FLUID LEVEL

(See [page DI-156](#))