

# CONTROL VALVE BODY

Automatic Transmission

## 14. Control Valve Body S502564

### A: REMOVAL S502564A18

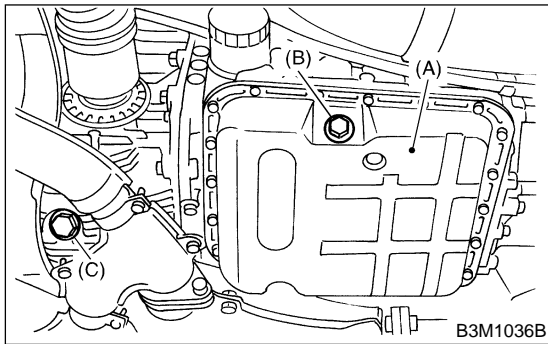
- 1) Clean transmission exterior.
- 2) Drain ATF completely.

#### NOTE:

Tighten ATF drain plug after draining ATF.

#### Tightening torque:

**25 N·m (2.5 kgf-m, 18.1 ft-lb)**



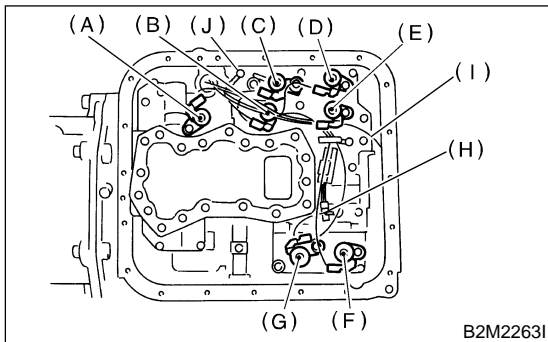
- (A) Oil pan
- (B) Drain plug
- (C) Differential oil drain plug

- 3) Remove the oil pan.

#### NOTE:

- Remove and clean the magnet.
- Remove the old gasket on the oil pan and transmission case completely.

- 4) Disconnect duty solenoids and ATF temperature sensor connectors. Remove connectors from clip and disconnect connectors at 9 places.

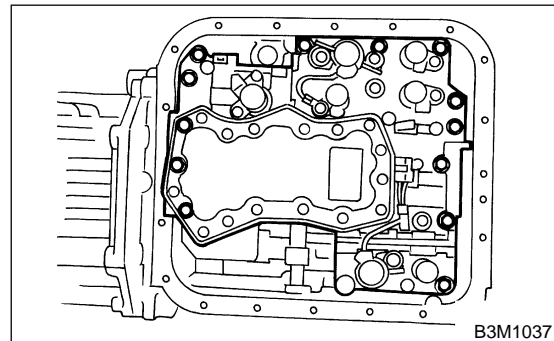


- (A) Lock-up duty solenoid (Blue)
- (B) Low clutch timing solenoid (Gray)
- (C) Line pressure duty solenoid (Red)
- (D) Shift solenoid 2 (Yellow)
- (E) Shift solenoid 1 (Green)
- (F) 2-4 brake timing solenoid (Black)
- (G) 2-4 brake duty solenoid (Red)
- (H) ATF temperature sensor
- (I) Transfer duty solenoid (Brown)
- (J) Transmission ground

- 5) Remove the control valve.

#### CAUTION:

When removing control valve body, be careful not to interfere with transfer duty solenoid wiring.

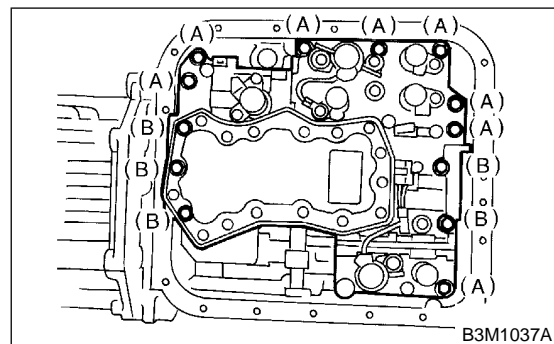


### B: INSTALLATION S502564A11

- 1) Set the select lever in "N" position.
- 2) Install the control valve and ground earth connectors.

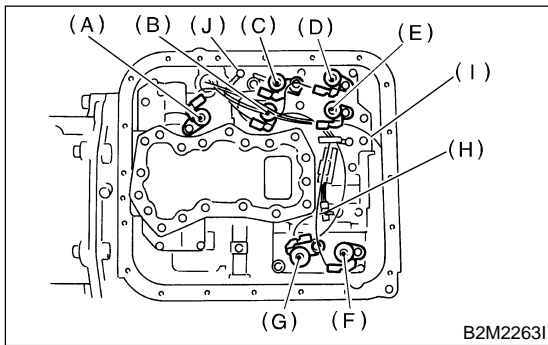
#### Tightening torque:

**8 N·m (0.8 kgf-m, 5.8 ft-lb)**



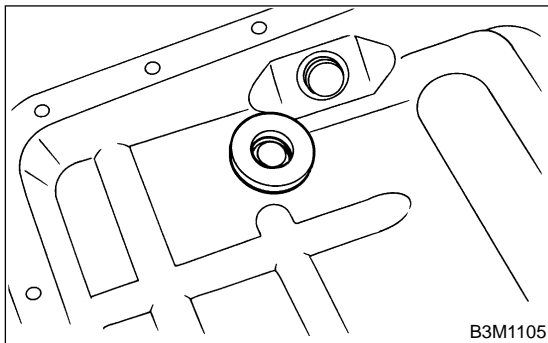
- (A) Short bolts
- (B) Long bolts

- 3) Connect all connector.



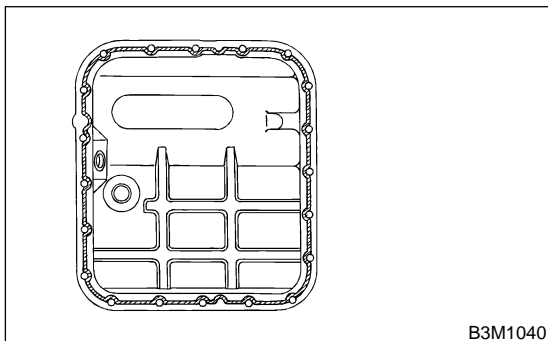
- (A) Lock-up duty solenoid (Blue)
- (B) Low clutch timing solenoid (Gray)
- (C) Line pressure duty solenoid (Red)
- (D) Shift solenoid 2 (Yellow)
- (E) Shift solenoid 1 (Green)
- (F) 2-4 brake timing solenoid (Black)
- (G) 2-4 brake duty solenoid (Red)
- (H) ATF temperature sensor
- (I) Transfer duty solenoid (Brown)
- (J) Transmission ground

4) Attach the magnet at the specified position.



5) Apply proper amount of liquid gasket to the entire oil pan mating surface.

**Fluid packing:**  
**Tree Bond 1217B**



6) Install the oil pan.

**Tightening torque:**  
**4.9 N·m (0.5 kgf·m, 3.6 ft·lb)**

7) Pour ATF into the oil charge pipe.

**Recommended fluid:**  
**Dexron IIE or Dexron III type automatic transmission fluid**

**Fluid capacity:**  
**9.3 — 9.6 l (9.8 — 10.1 US qt, 8.2 — 8.4 Imp qt)**

8) Check the level of the ATF.

## C: DISASSEMBLY S502564A06

Refer to "AUTOMATIC TRANSMISSION" <Pub. No. G0853ZE> a separate publication.

## D: ASSEMBLY S502564A02

Refer to "AUTOMATIC TRANSMISSION" <Pub. No. G0853ZE> a separate publication.

## E: INSPECTION S502564A10

Refer to "AUTOMATIC TRANSMISSION" <Pub. No. G0853ZE> a separate publication.