

## 17. Control Valve Body

### A: REMOVAL

- 1) Set the vehicle on a lift.
- 2) Disconnect the ground cable from battery.
- 3) Lift-up the vehicle.
- 4) Clean the transmission exterior.
- 5) Remove the ATF drain plug to drain ATF.

#### CAUTION:

**Immediately after the vehicle has been running or after idling for a long time, the ATF will be hot. Be careful not to burn yourself.**

- 6) Tighten the ATF drain plug.

#### NOTE:

Use a new gasket.

#### Tightening torque:

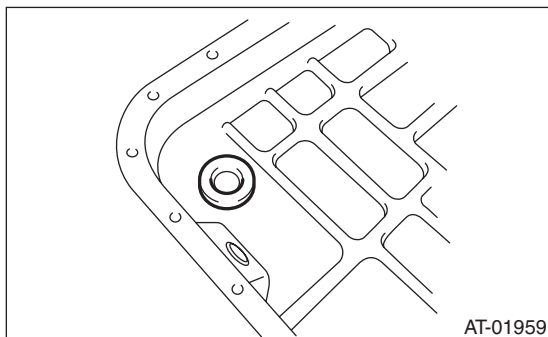
**20 N·m (2.0 kgf-m, 14.8 ft-lb)**

- 7) Remove the oil pan.

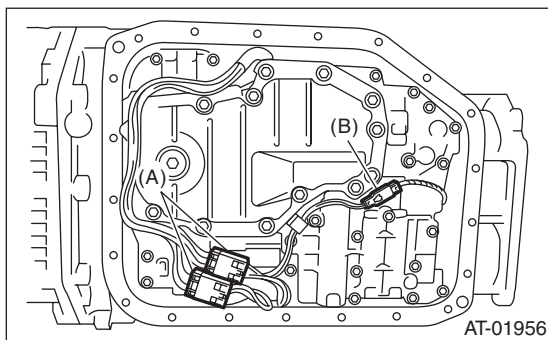
#### CAUTION:

**Be sure to prevent the entering of dust and other foreign matters into oil pan.**

- 8) Remove the magnet.



- 9) Clean the magnet.
- 10) Completely remove the remaining liquid gasket on the transmission case and oil pan.
- 11) Disconnect the control valve connector and front vehicle speed sensor connector.

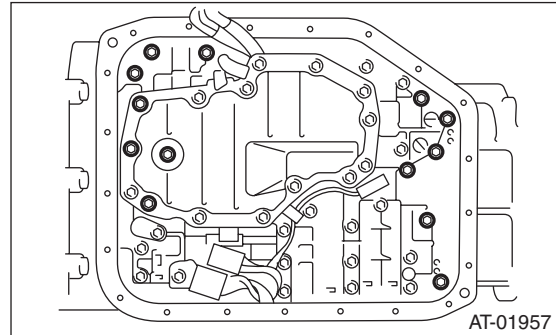


- (A) Control valve connector  
(B) Front vehicle speed sensor connector

- 12) Remove the control valve body.

#### NOTE:

The control valve body is replaced as an assembly only, because it is a non-disassembly part.

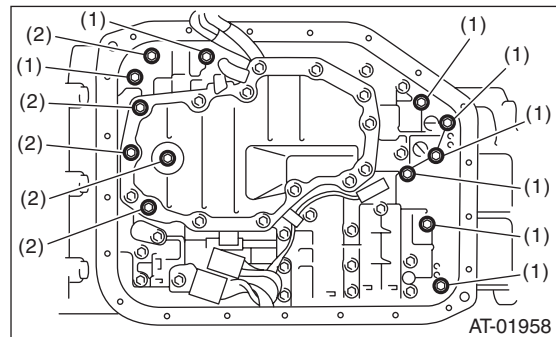


### B: INSTALLATION

- 1) Check the control valve body for dust and other foreign matter.
- 2) Install the control valve body to transmission by equally tightening the bolts.

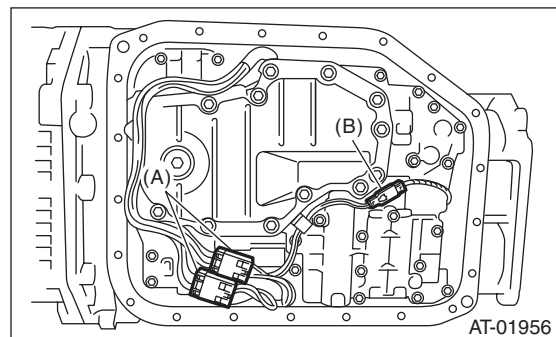
#### Tightening torque:

**8 N·m (0.8 kgf-m, 5.8 ft-lb)**



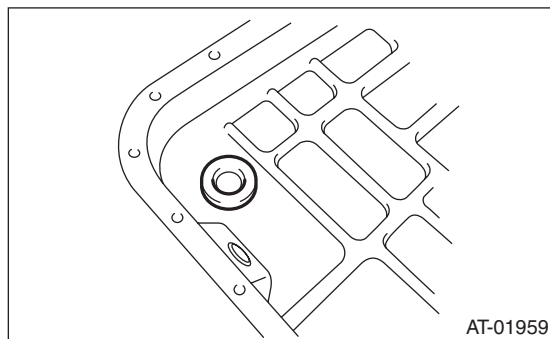
- (1) 58 mm (2.28 in)  
(2) 65 mm (2.56 in)

- 3) Connect the control valve connector.



- (A) Control valve connector  
(B) Front vehicle speed sensor connector

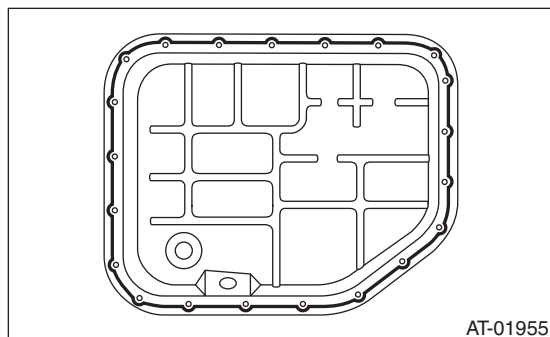
- 4) Attach the magnet at the specified position of the oil pan.



- 5) Apply liquid gasket to the oil pan.

**Liquid gasket:**

**THREE BOND 1217B (Part No. K0877YA020)**



- 6) Install the oil pan by equally tightening the bolts.

**Tightening torque:**

**5 N·m (0.5 kgf-m, 3.7 ft-lb)**

- 7) Pour ATF through the oil charge pipe.

**Specified and recommended fluid:**

**<Ref. to 5AT-2, SPECIFICATION, General Description.>**

**Capacity:**

**Fill with the same amount of ATF as drained.**

- 8) Check the ATF level.

<Ref. to 5AT-28, Automatic Transmission Fluid.>

- 9) Perform Clear Memory 2 operation. <Ref. to 5AT(diag)-18, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.>

- 10) Perform the inspection with driving the vehicle at the end of repair work, and make sure there is no faulty as below;

- Excessive shift shock
- Oil leakage from the transmission body, etc.
- Occurrence of noise caused by interference etc.

**NOTE:**

If excessive shift shock is felt, execute advance operation of learning control. <Ref. to 5AT(diag)-22, PROCEDURE, Learning Control.>

## C: INSPECTION

Check each parts for holes, damages or other foreign matters.