

## 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:**

**Directly after the vehicle has been running or the engine has been long idle running, the ATF is hot. Be careful not to burn yourself.**

- 6) Tighten the ATF drain plug.

**NOTE:**

Use a new gasket.

**Tightening torque:**

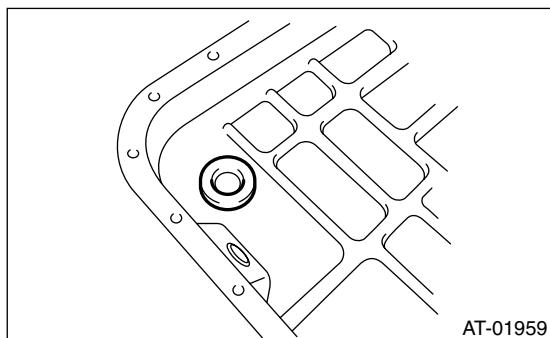
**25 N·m (2.5 kgf-m, 18 ft-lb)**

- 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.

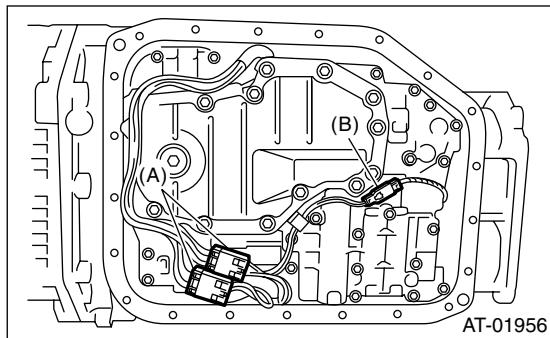


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- 9) Clean the magnet.

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.



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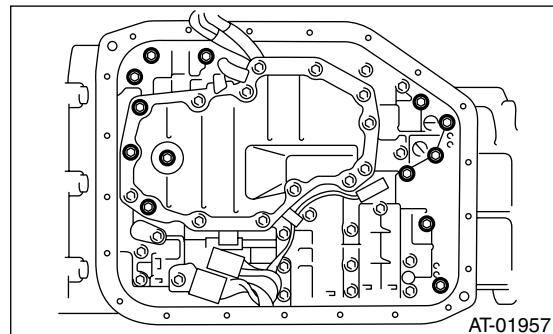
(A) Control valve connector

(B) Front vehicle speed sensor connector

- 12) Remove the control valve body.

**NOTE:**

Replace the control valve body as assembly, because it is non-disassemble part.



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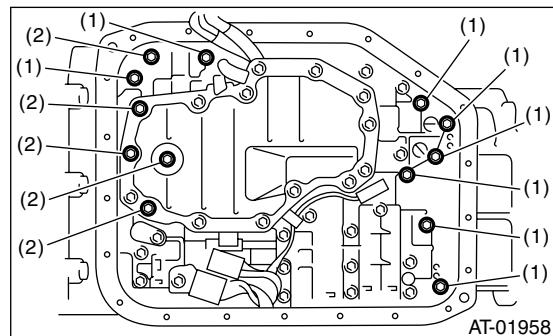
### B: INSTALLATION

1) Check the control valve body for dust and other foreign matters.

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)**

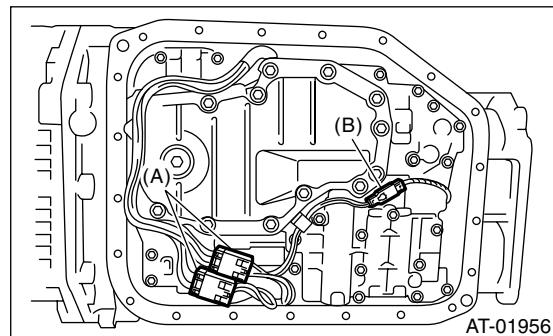


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(1) 58 mm (2.28 in)

(2) 65 mm (2.56 in)

- 3) Connect the control valve connector.

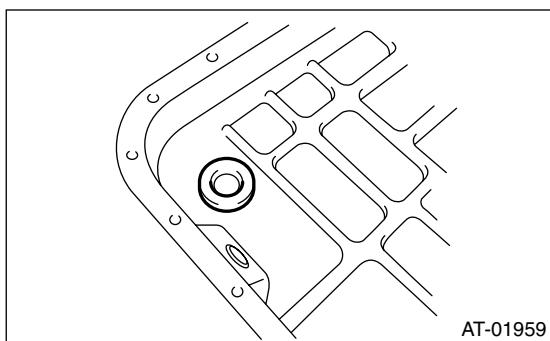


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(A) Control valve connector

(B) Front vehicle speed sensor connector

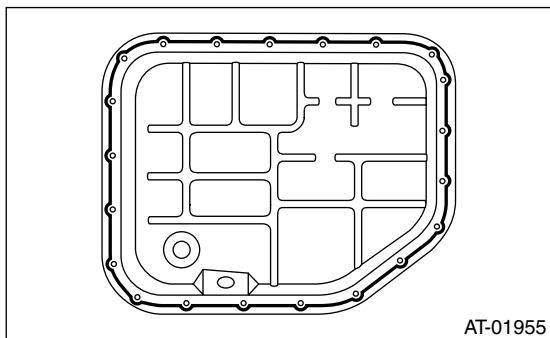
- 4) Attach the magnet at the specified position of oil pan.



- 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 the same amount of the drained ATF.**

- 8) Check the ATF level.

**<Ref. to 5AT-27, Automatic Transmission Fluid.>**

- 9) Perform the Clear Memory 2. **<Ref. to 5AT(diag)-17, 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 transmission body and etc.
- Occurrence of noise caused by interference etc.

**NOTE:**

If excessive shift shock is felt, execute the advance operation of learning control. **<Ref. to 5AT(diag)-21, PROCEDURE, Learning Control.>**

## C: INSPECTION

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