

## 17. Control Valve Body

### A: REMOVAL

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

#### CAUTION:

Directly after the vehicle has been running or the engine has been idling for a long time, the ATF is hot. Be careful not to burn yourself.

- 5) Tighten the ATF drain plug.

#### NOTE:

Use a new gasket.

#### Tightening torque:

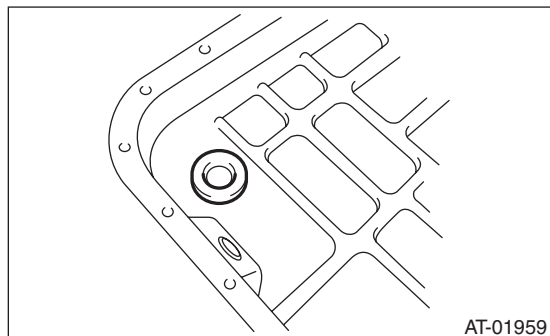
**20 N·m (2.0 kgf-m, 14.8 ft-lb)**

- 6) Remove the oil pan.

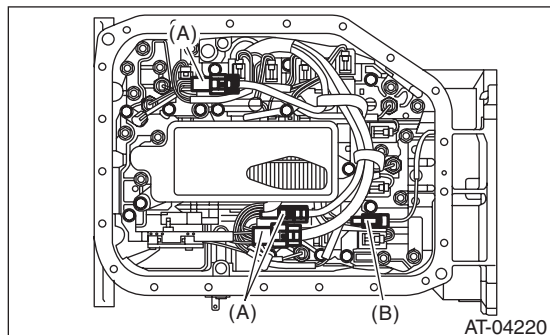
#### CAUTION:

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

- 7) Remove the magnet.



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

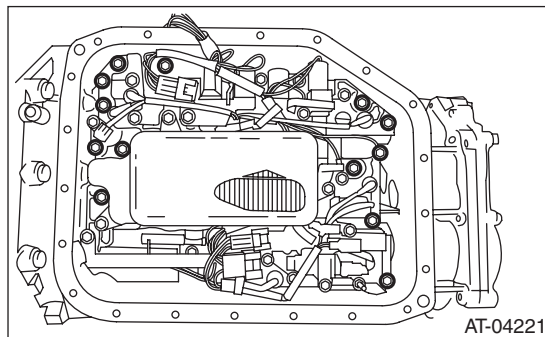


- (A) Control valve connector  
(B) Front vehicle speed sensor connector

- 11) Remove the control valve body.

#### NOTE:

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

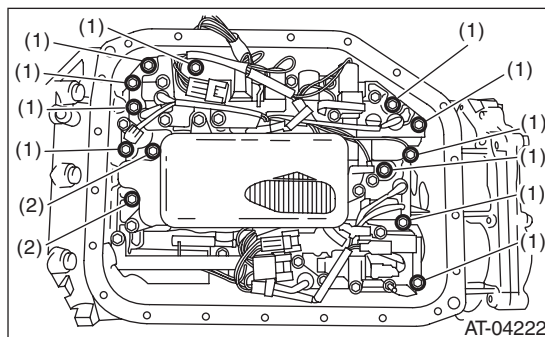


### B: INSTALLATION

- 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.

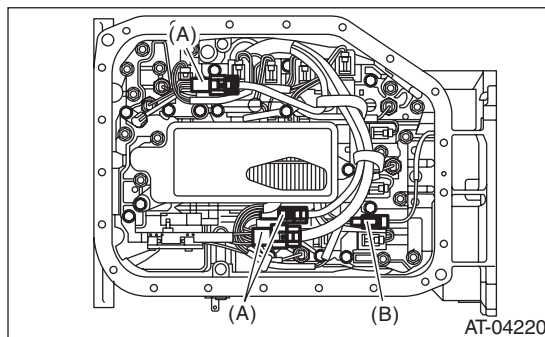
#### Tightening torque:

**8 N·m (0.8 kgf-m, 5.9 ft-lb)**



- (1) 30 mm (1.18 in)  
(2) 40 mm (1.57 in)

- 3) Connect the control valve connector and front vehicle speed sensor connector.

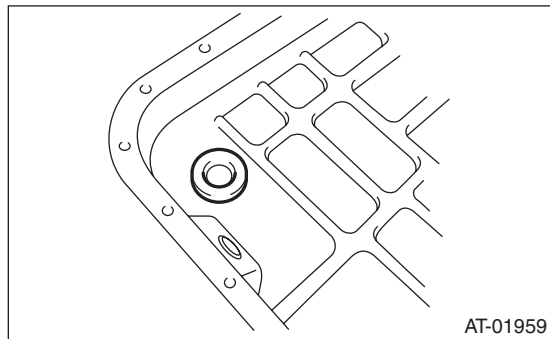


- (A) Control valve connector  
(B) Front vehicle speed sensor connector

## AUTOMATIC TRANSMISSION

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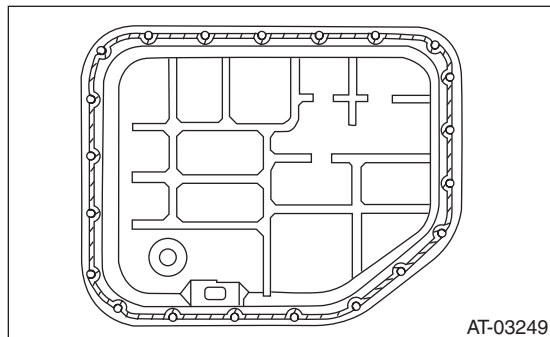
- 4) Attach the magnet at the specified position of the oil pan.



- 5) Apply liquid gasket to the oil pan.

**Liquid gasket:**

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



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

**Tightening torque:**

**5 N·m (0.5 kgf-m, 3.7 ft-lb)**

- 7) Lower the vehicle.  
8) Connect the battery ground terminal.  
9) Pour ATF through the oil charge pipe. <Ref. to 5AT-29, Automatic Transmission Fluid.>  
10) Check the ATF level. <Ref. to 5AT-29, INSPECTION, Automatic Transmission Fluid.>  
11) Perform Clear Memory 2 operation. <Ref. to 5AT(diag)-18, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.>  
12) Perform the diagnosis again. <Ref. to 5AT(diag)-22, PROCEDURE, Learning Control.>  
13) Perform the inspection 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.

## C: INSPECTION

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