

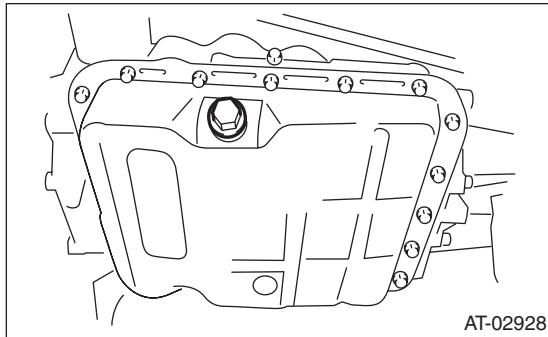
## 18. Control Valve Body

### A: REMOVAL

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

#### CAUTION:

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



- 6) Tighten the ATF drain plug.

#### NOTE:

Use a new gasket.

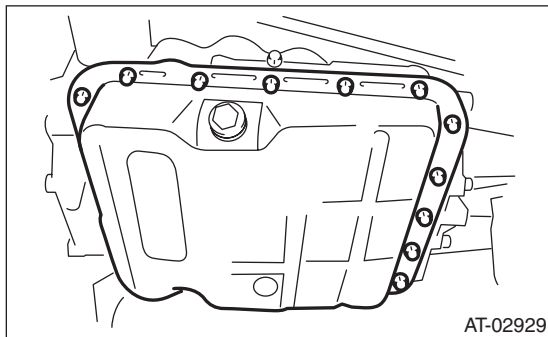
#### Tightening torque:

**25 N·m (2.5 kgf-m, 18 ft-lb)**

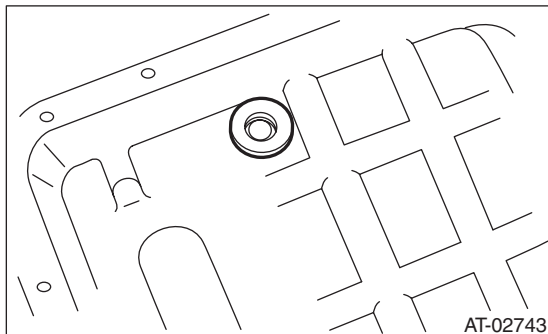
- 7) Remove the oil pan.

#### NOTE:

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



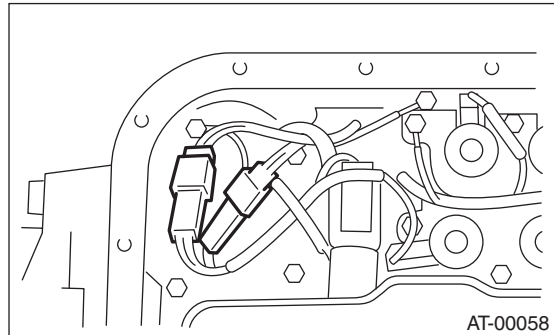
- 8) Remove the magnet.



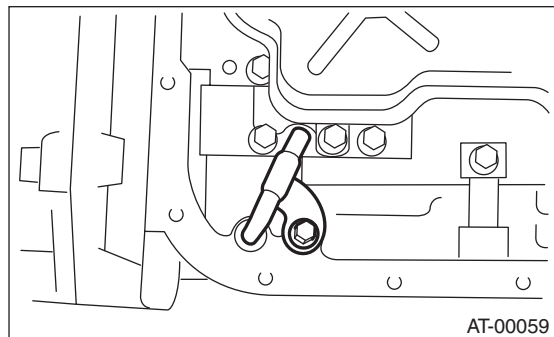
- 9) Clean the magnet.

- 10) Completely remove the remaining liquid gasket on the transmission case and oil pan.

- 11) Disconnect the control valve connector.



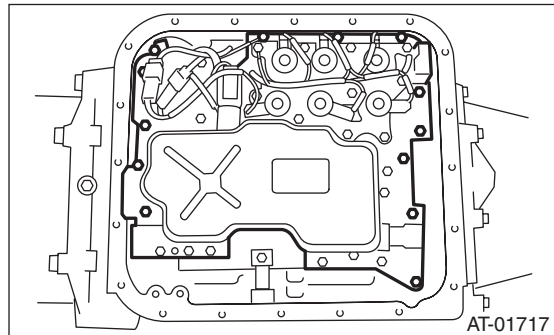
- 12) Remove the oil cooler pipe.



- 13) Remove the control valve body.

#### NOTE:

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



# Control Valve Body

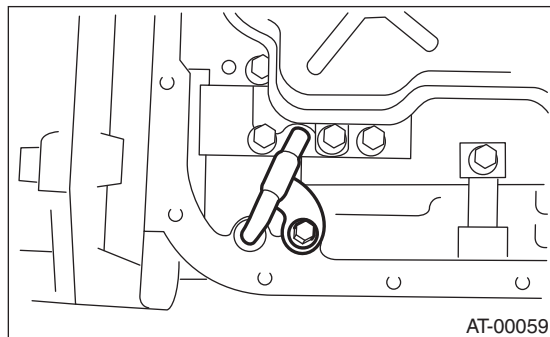
## AUTOMATIC TRANSMISSION

### B: INSTALLATION

- 1) Check the control valve body for dust and other foreign matter.
- 2) Temporarily install the control valve body and ground cable to the transmission, then install the oil cooler pipe.

#### **Tightening torque:**

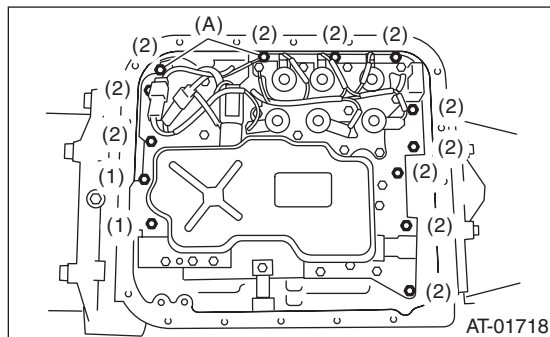
**8 N·m (0.8 kgf-m, 5.8 ft-lb)**



- 3) Tighten the bolts equally.

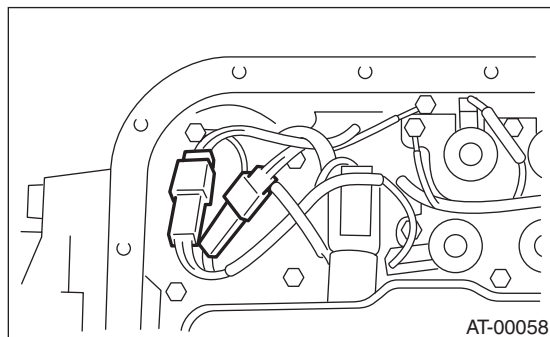
#### **Tightening torque:**

**8 N·m (0.8 kgf-m, 5.8 ft-lb)**

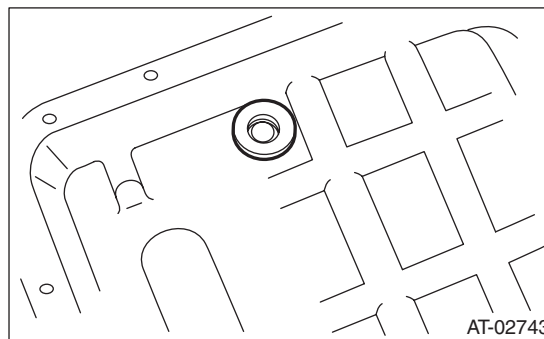


- (A) Transmission ground  
Bolt length mm (in)
- |     |           |
|-----|-----------|
| (1) | 35 (1.38) |
| (2) | 30 (1.18) |

- 4) Connect the control valve connector.



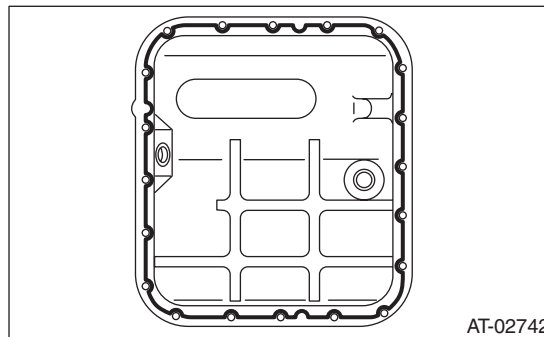
- 5) Attach the magnet at the specified position of the oil pan.



- 6) Apply liquid gasket to the oil pan.

#### **Liquid gasket:**

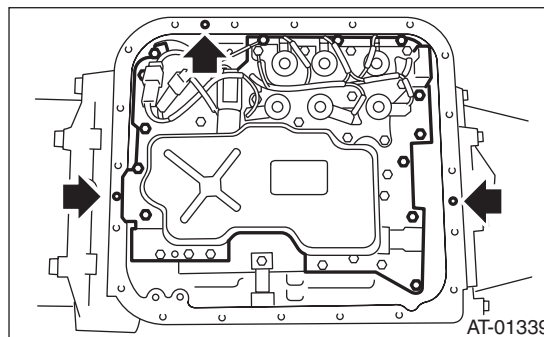
**THREE BOND 1217B (Part No. K0877YA020)  
or equivalent**



- 7) Fill the 3 holes aside from the bolt holes in the transmission case, with liquid gasket.

#### **Liquid gasket:**

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



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

#### **Tightening torque:**

**5 N·m (0.5 kgf-m, 3.6 ft-lb)**

9) Fill ATF from the oil charger pipe.

***Recommended fluid:***

***SUBARU ATF HP***

***Substitute fluid:***

***IDEMITSU "ATF HP"***

***Castrol "Transmax J"***

***Capacity:***

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

10) Bleed the air of control valve body. <Ref. to 4AT-58, Air Bleeding of Control Valve.>

11) Check the ATF level.

<Ref. to 4AT-26, Automatic Transmission Fluid.>

12) Execute the learning control promotion. <Ref. to 4AT(diag)-17, FACILITATION OF LEARNING CONTROL, OPERATION, Subaru Select Monitor.>

## **C: INSPECTION**

Check parts for holes, damages or adhesion of dust and other foreign particles