

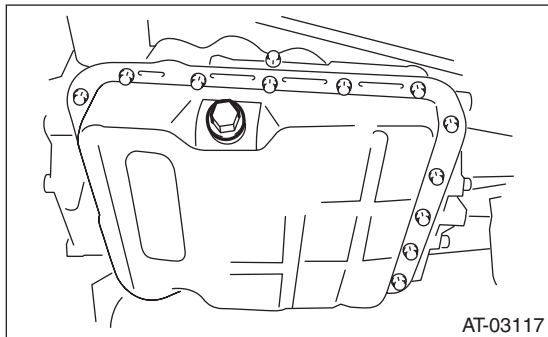
### 17. Control Valve Body

#### 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 drain plug (ATF) 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) Perform replacement with a new gasket, and tighten the drain plug (ATF).

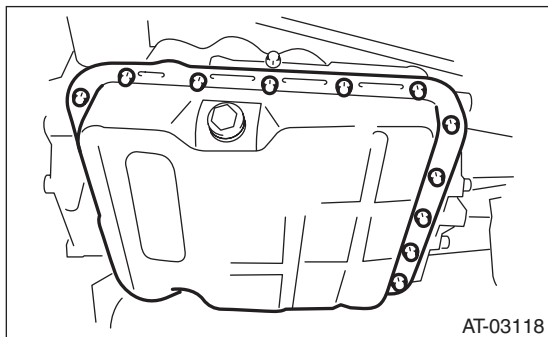
#### Tightening torque:

**25 N·m (2.5 kgf-m, 18.4 ft-lb)**

- 7) Remove the oil pan.

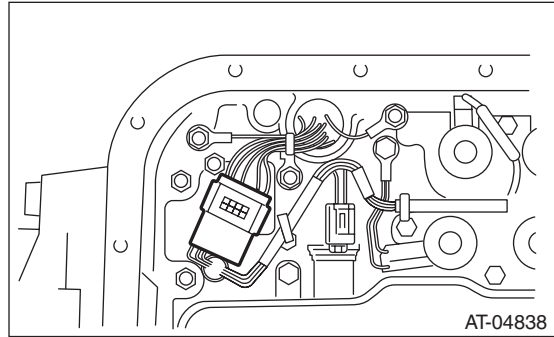
#### CAUTION:

Be careful not to allow foreign matter such as dust or dirt to enter the oil pan.

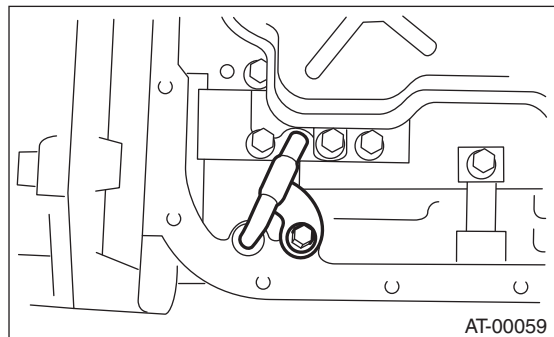


- 8) Remove the magnet.
- 9) Clean the magnet.
- 10) Completely remove the remaining liquid gasket on the transmission case and oil pan.

- 11) Disconnect the control valve connector.



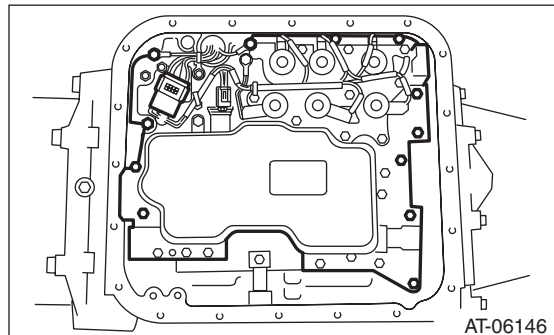
- 12) Remove the oil cooler pipe.



- 13) Remove the control valve body.

#### NOTE:

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

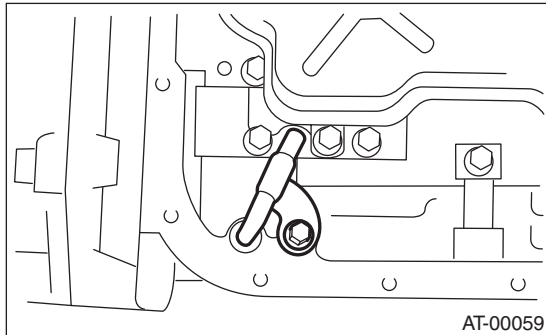


### B: INSTALLATION

- 1) Check the control valve body for dust and other foreign matter.
- 2) Temporarily attach the control valve body to the transmission.
- 3) Install the oil cooler pipe.

#### **Tightening torque:**

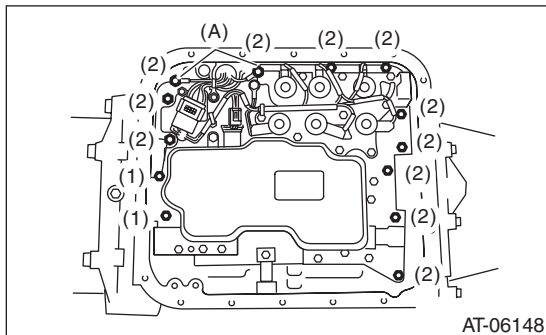
**8 N·m (0.8 kgf-m, 5.9 ft-lb)**



- 4) Tighten the bolts equally.

#### **Tightening torque:**

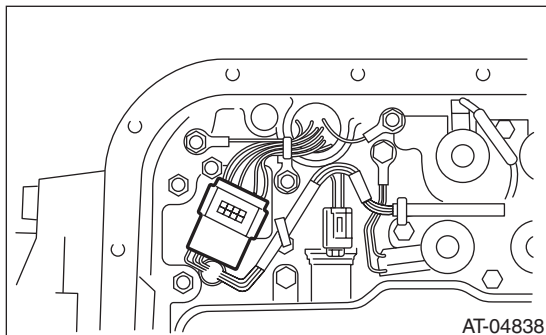
**8 N·m (0.8 kgf-m, 5.9 ft-lb)**



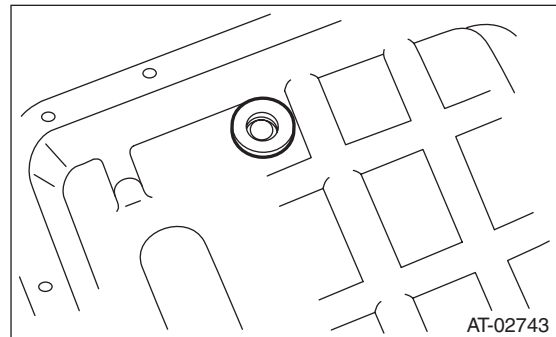
(A) Transmission ground  
Bolt length mm (in)

- (1) 35 (1.38)
- (2) 30 (1.18)

- 5) Connect the control valve connector.



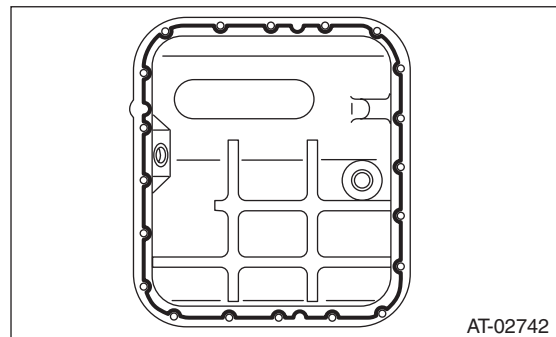
- 6) Attach the magnet at the specified position of the oil pan.



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

#### **Liquid gasket:**

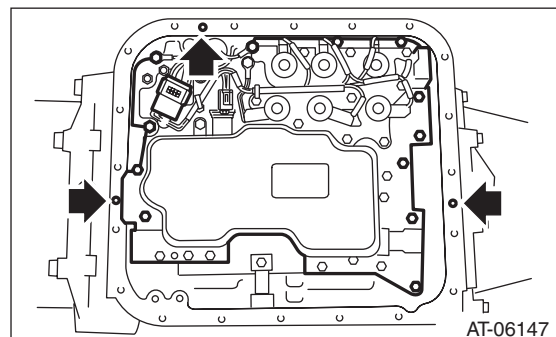
**THREE BOND 1217B (Part No. K0877YA020) or equivalent**



- 8) 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**



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

#### **Tightening torque:**

**5 N·m (0.5 kgf-m, 3.7 ft-lb)**

- 10) Fill ATF from the oil charge pipe. <Ref. to 4AT-26, Automatic Transmission Fluid.>
- 11) Bleed the air of control valve. <Ref. to 4AT-57, PROCEDURE, Air Bleeding of Control Valve.>
- 12) Check the ATF level. <Ref. to 4AT-26, INSPECTION, Automatic Transmission Fluid.>

### AUTOMATIC TRANSMISSION

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13) Perform learning control promotion. <Ref. to 4AT(diag)-20, Learning Control.>

#### **C: INSPECTION**

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