

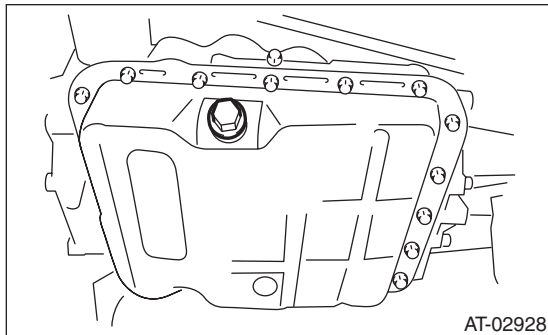
18. Control Valve Body

A: REMOVAL

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

CAUTION:

Immediately after the vehicle has been running, the ATF is very hot. Be careful not to burn yourself.



- 6) Replace the gasket with new part, and then tighten the drain plug (ATF).

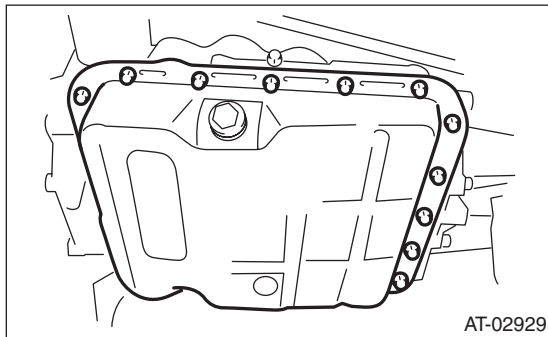
Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)

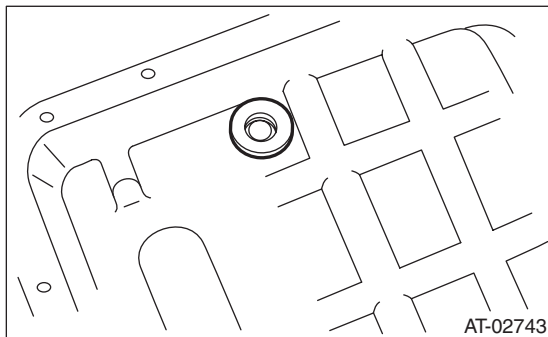
- 7) Remove the oil pan.

CAUTION:

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



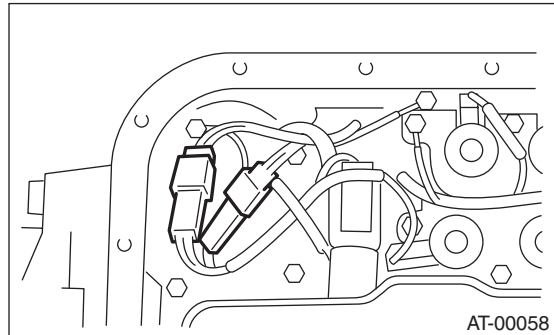
- 8) Remove the magnet.



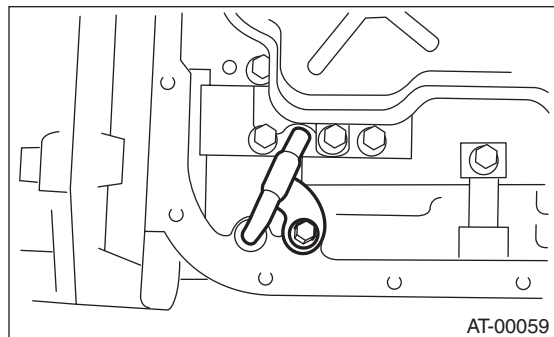
- 9) Clean the magnet.

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

- 11) Remove the control valve connector.



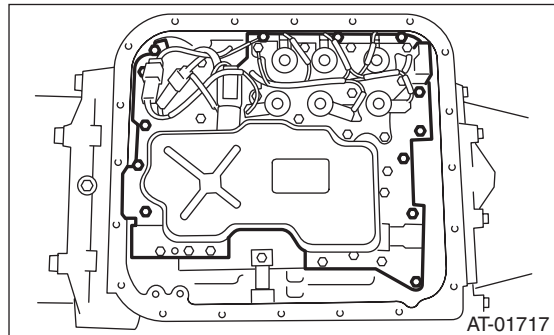
- 12) Remove the ATF cooler pipe.



- 13) Remove the control valve body.

NOTE:

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

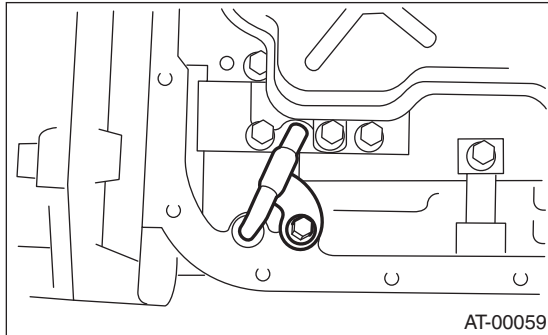


B: INSTALLATION

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

Tightening torque:

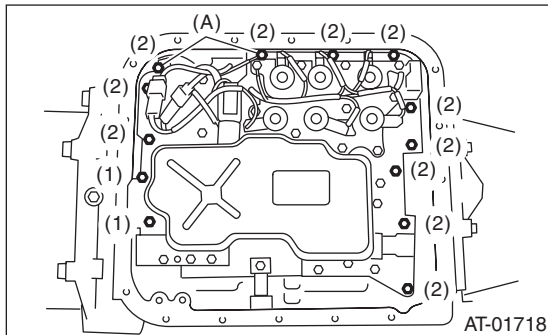
8 N·m (0.8 kgf-m, 5.8 ft-lb)



- 3) Tighten the bolts equally.

Tightening torque:

8 N·m (0.8 kgf-m, 5.8 ft-lb)

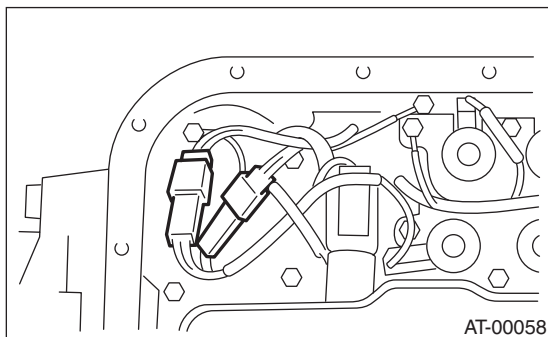


(A) Transmission ground
Bolt length mm (in)

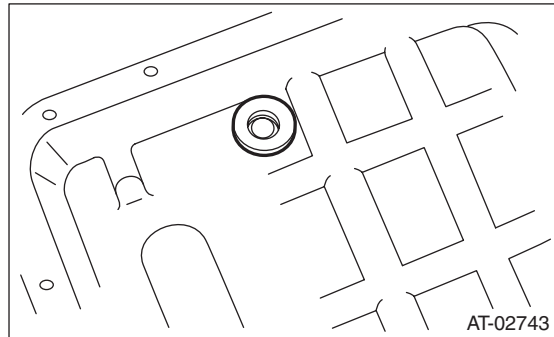
(1) 35 (1.38)

(2) 30 (1.18)

- 4) Connect the control valve connector.



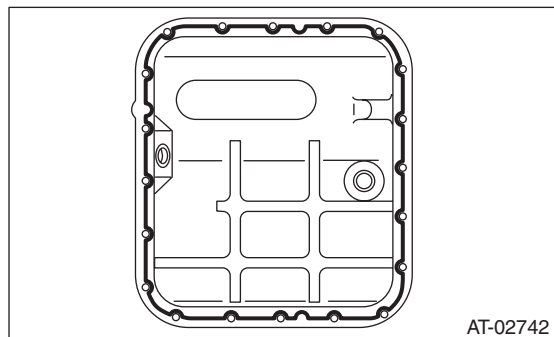
- 5) Attach the magnet at the specified position of the oil pan.



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

Liquid gasket:

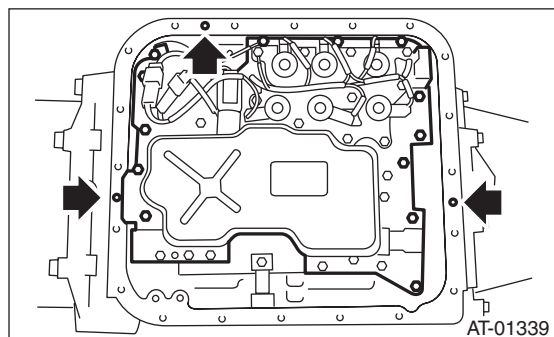
**THREE BOND 1217B (Part No. K0877YA020)
or equivalent**



- 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, 3.7 ft-lb)

Control Valve Body

AUTOMATIC TRANSMISSION

9) Fill ATF from the oil charge pipe.

Recommended fluid:

SUBARU ATF HP

Substitute fluid:

IDEMITSU: ATF HP

CASTROL: TRANSMAX J

Capacity:

Fill with the same amount of fluid that was drained from the drain plug hole.

10) Bleed out air from the control valve body. <Ref. to 4AT-61, Air Bleeding of Control Valve.>

11) Check the ATF level. <Ref. to 4AT-28, Automatic Transmission Fluid.>

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

C: INSPECTION

Make sure there are no holes, bending damage or other foreign materials on each parts.