

Control Valve Body

AUTOMATIC TRANSMISSION

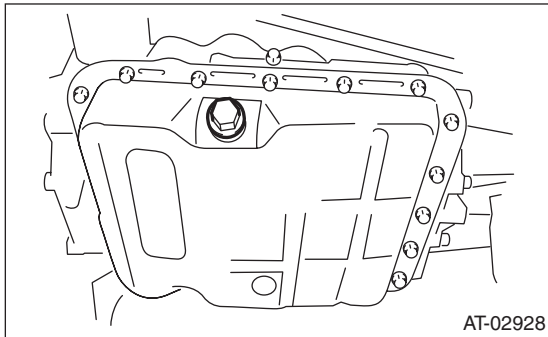
17. Control Valve Body

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) and gasket to drain ATF.

CAUTION:

The ATF will be extremely hot after driving. Be careful not to receive burns.



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

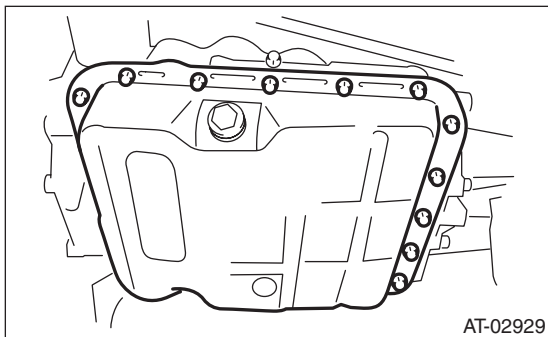
Tightening torque:

25 N·m (2.5 kgf·m, 18.1 ft·lb)

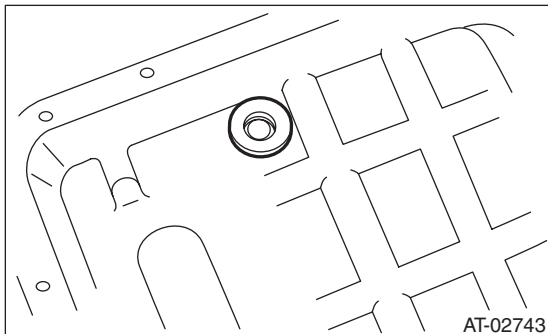
- 7) Remove the oil pan.

NOTE:

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



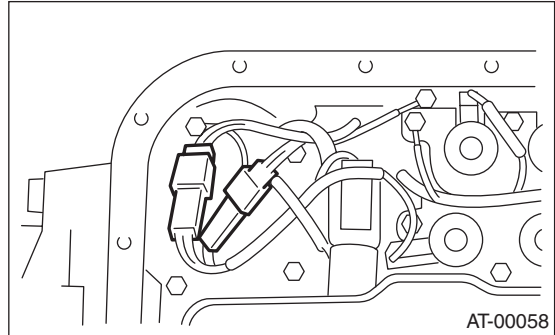
- 8) Remove the magnet.



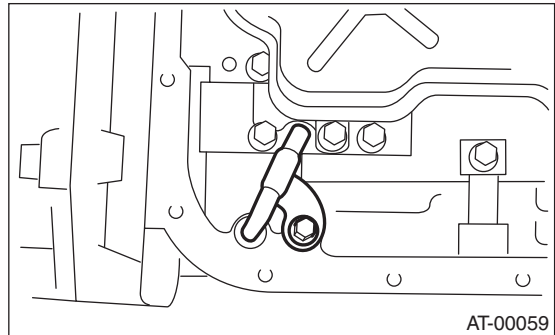
- 9) Clean the magnet.

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

- 11) Remove the control valve connector.



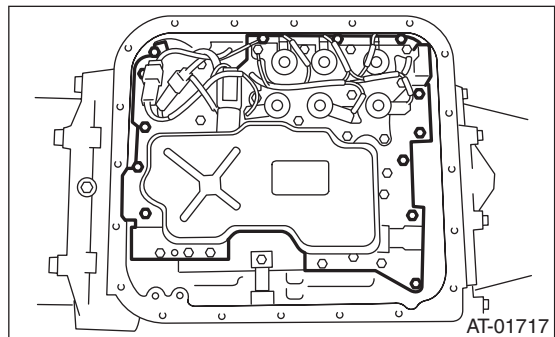
- 12) Remove the ATF cooler pipe.



- 13) Remove the control valve body.

NOTE:

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

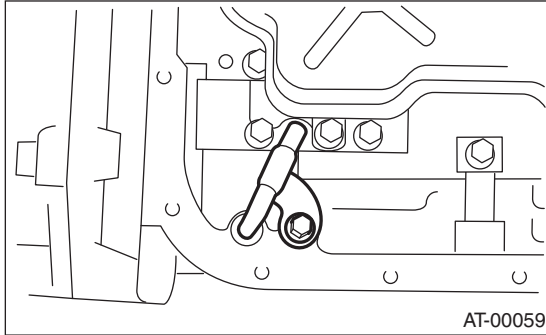


B: INSTALLATION

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

Tightening torque:

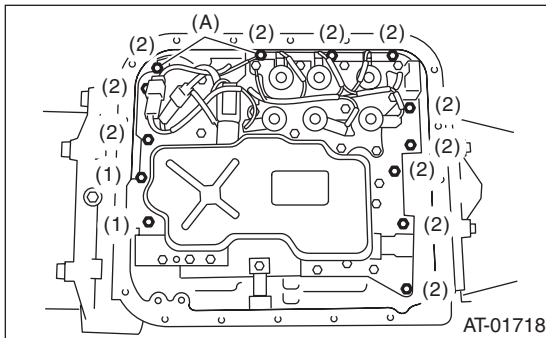
8 N·m (0.8 kgf-m, 5.8 ft-lb)



- 3) Tighten the bolts equally.

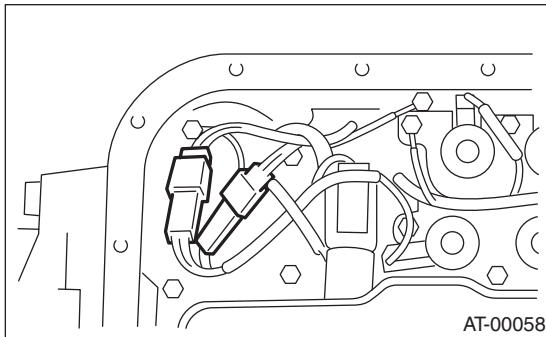
Tightening torque:

8 N·m (0.8 kgf-m, 5.8 ft-lb)

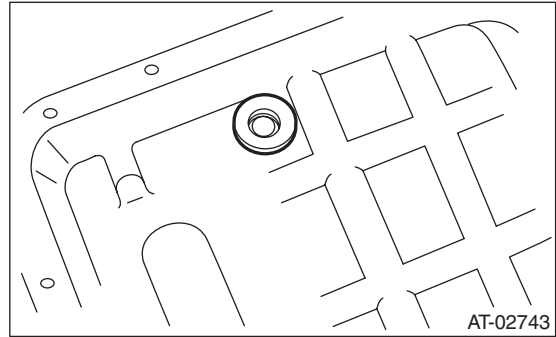


- (A) Transmission ground
- Bolt length mm (in)
- (1) 35 (1.38)
- (2) 30 (1.18)

- 4) Connect the control valve connector.



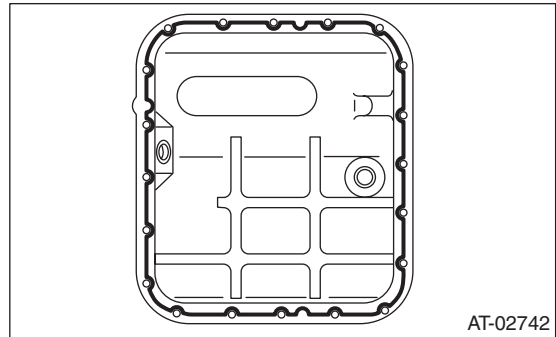
- 5) Attach the magnet at the specified position of the oil pan.



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

Liquid gasket:

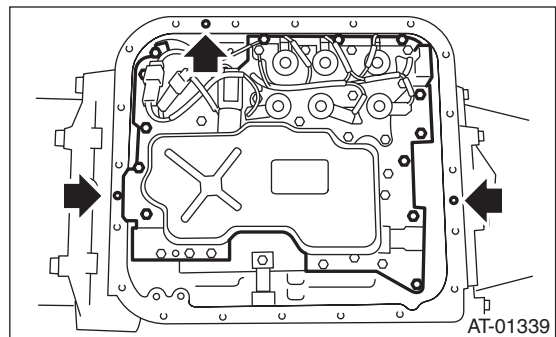
Three bond 1217B (Part No. K0877YA020) or equivalent



- 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, 3.6 ft-lb)

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AUTOMATIC TRANSMISSION

9) Fill ATF from the oil charge pipe.

Recommended fluid:

SUBARU ATF HP

Substitute fluid:

IDEMITSU: ATF HP

Castrol: Transmax J

Pennzoil Quaker State: Pennzoil ATF-J

Capacity:

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

10) Bleed the air of control valve body. <Ref. to 4AT-59, 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(D)(diag)-15, 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.