

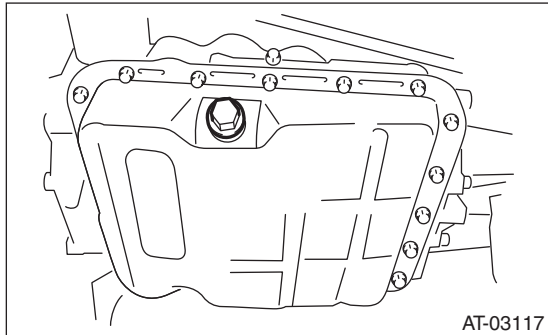
18. Control Valve Body

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) to drain the ATF.

CAUTION:

Because the ATF will be very hot after driving, be very careful not to receive burns.



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

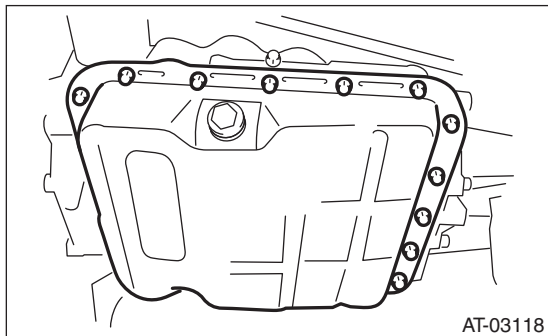
Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)

- 7) Remove the oil pan.

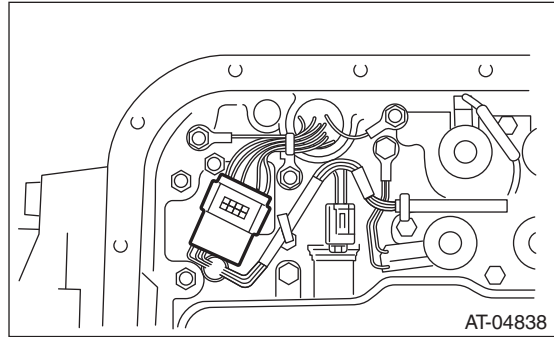
CAUTION:

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

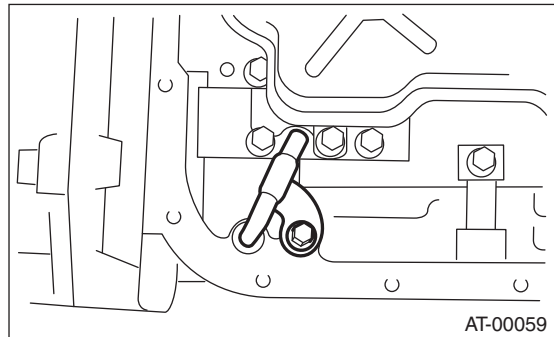


- 8) Remove the magnet.
- 9) Clean the magnet.
- 10) Completely remove the remaining liquid gasket on the transmission case and oil pan.

- 11) Disconnect the control valve connector.



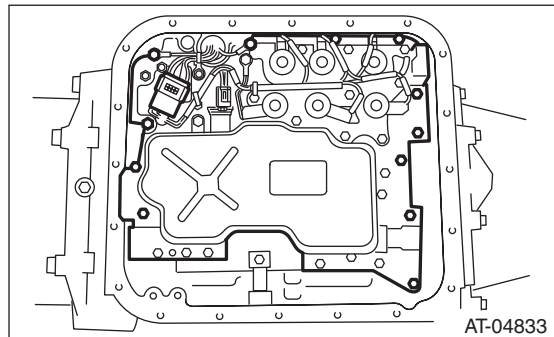
- 12) Remove the oil cooler pipe.



- 13) Remove the control valve body.

NOTE:

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

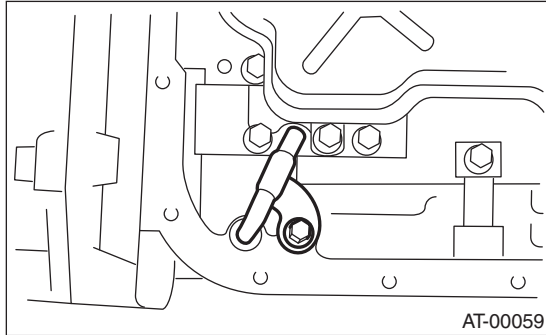


B: INSTALLATION

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

Tightening torque:

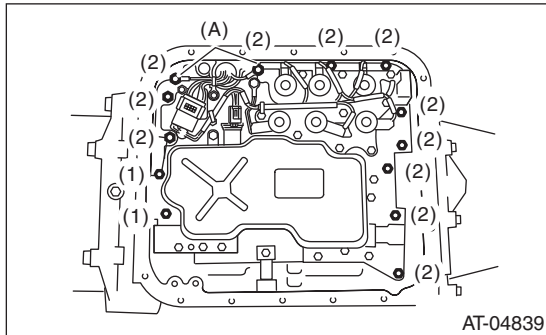
8 N·m (0.8 kgf-m, 5.9 ft-lb)



- 4) Tighten the bolts equally.

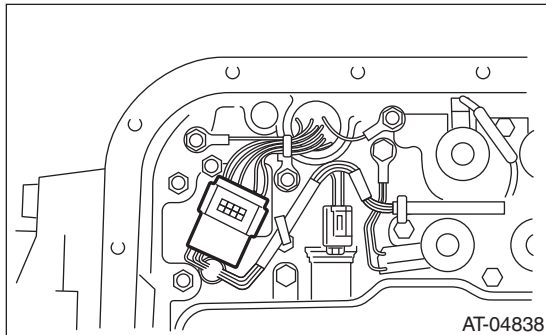
Tightening torque:

8 N·m (0.8 kgf-m, 5.9 ft-lb)

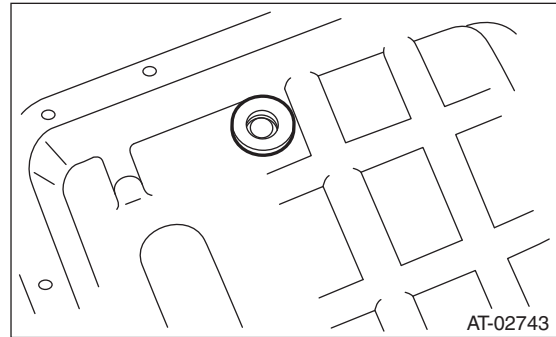


- (A) Transmission ground
Bolt length mm (in)
- | | |
|-----|-----------|
| (1) | 35 (1.38) |
| (2) | 30 (1.18) |

- 5) Connect the control valve connector.



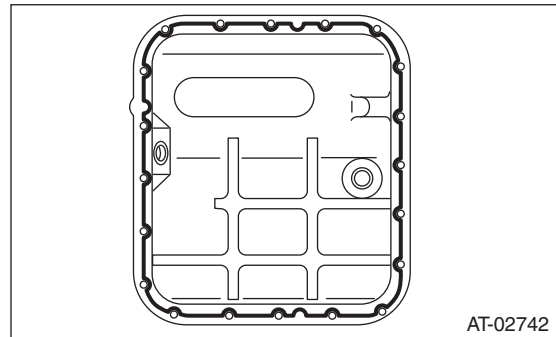
- 6) Attach the magnet at the specified position of the oil pan.



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

Liquid gasket:

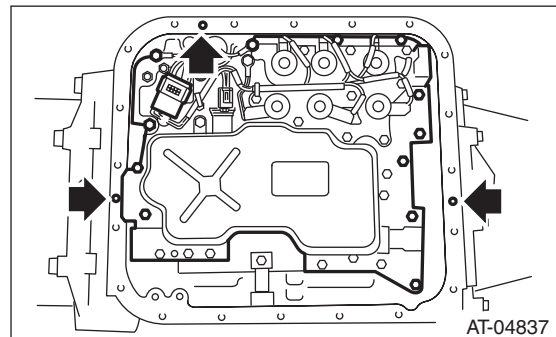
THREE BOND 1217B (Part No. K0877YA020) or equivalent



- 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)

Control Valve Body

AUTOMATIC TRANSMISSION

10) Fill ATF from the oil charger pipe.

Recommended fluid:

<Ref. to 4AT-3, HYDRAULIC CONTROL AND LUBRICATION, SPECIFICATION, General Description.>

Capacity:

Fill with the same amount of ATF as drained.

11) Bleed the air of control valve. <Ref. to 4AT-59, Air Bleeding of Control Valve.>

12) Check the ATF level.

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

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

C: INSPECTION

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