

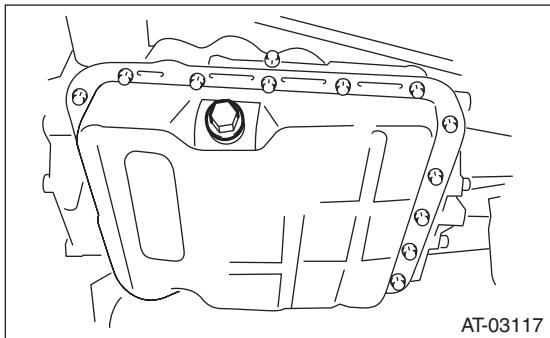
17. Control Valve Body

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).

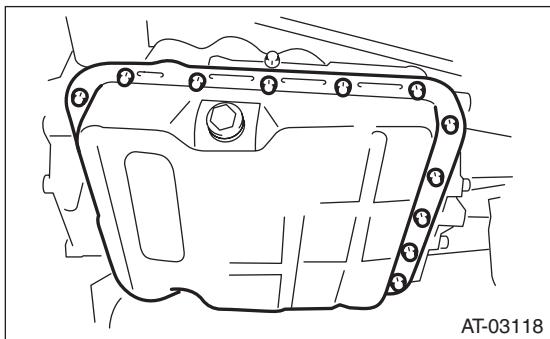
Tightening torque:

25 N·m (2.5 kgf·m, 18.4 ft-lb)

- 7) Remove the oil pan.

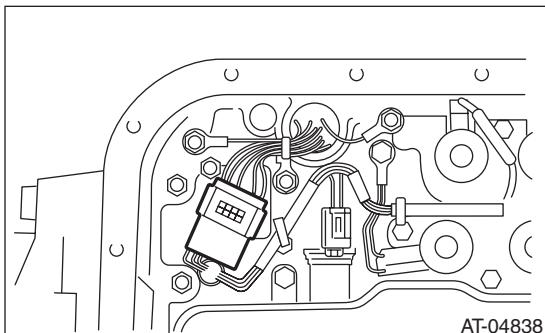
CAUTION:

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

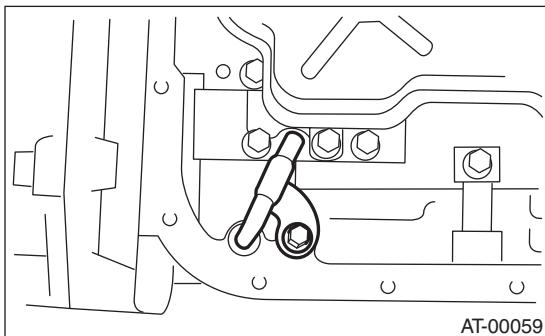


- 8) Remove the magnet.
- 9) Clean the magnet.
- 10) Completely remove the remaining liquid gasket on the transmission case and oil pan.

- 11) Disconnect the control valve connector.



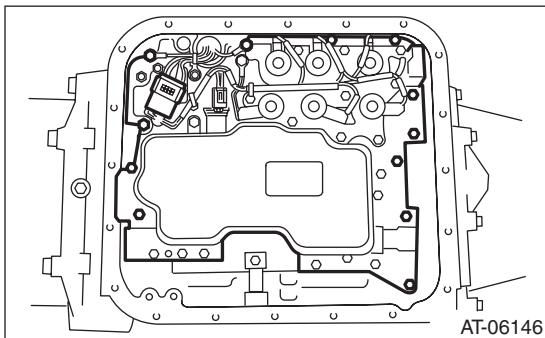
- 12) Remove the oil cooler pipe.



- 13) Remove the control valve body.

NOTE:

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

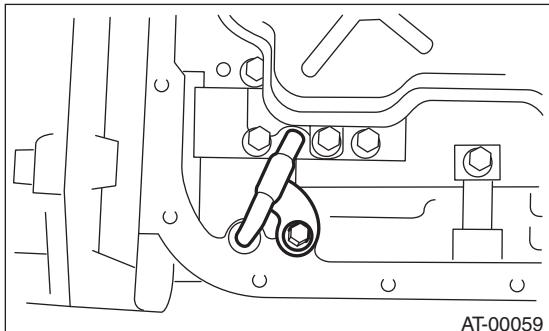


B: INSTALLATION

- 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:

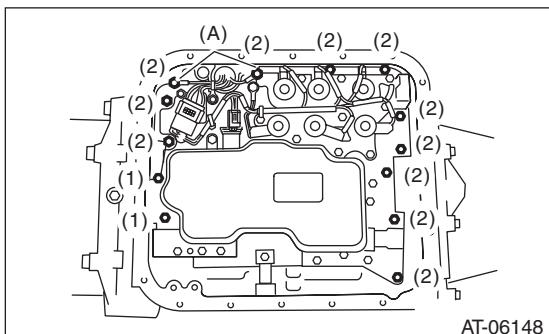
8 N·m (0.8 kgf·m, 5.9 ft-lb)



4) Tighten the bolts equally.

Tightening torque:

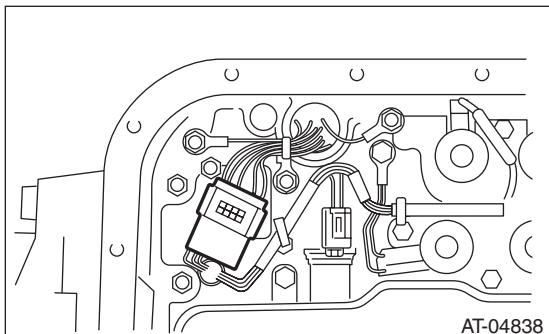
8 N·m (0.8 kgf-m, 5.9 ft-lb)



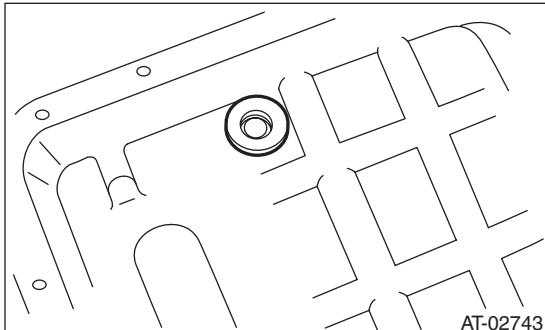
(A) Transmission ground
Bolt length mm (in)

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

5) Connect the control valve connector.



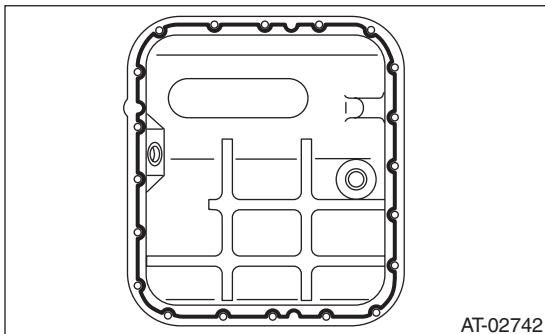
6) Attach the magnet at the specified position of the oil pan.



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

Liquid gasket:

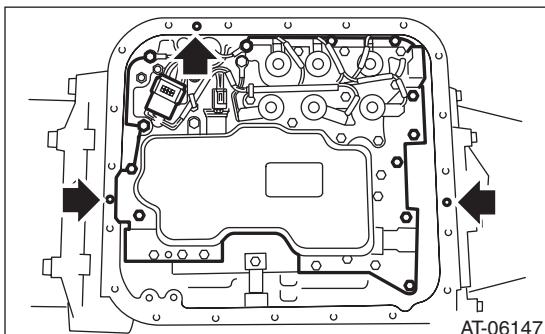
**THREE BOND 1217B (Part No. K0877YA020)
or equivalent**



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.>

Control Valve Body

AUTOMATIC TRANSMISSION

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