

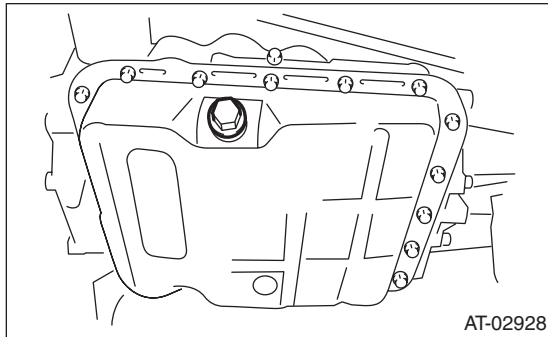
18. Control Valve Body

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 ATF drain plug to drain ATF.

CAUTION:

After running the engine or after idling for a long time, the ATF is hot. Be careful not to burn yourself.



- 6) Tighten the ATF drain plug.

NOTE:

Use a new gasket.

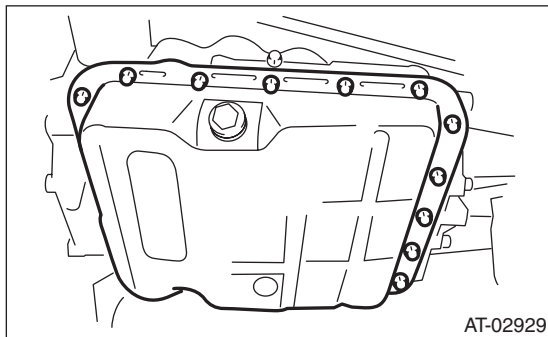
Tightening torque:

25 N·m (2.5 kgf·m, 18 ft·lb)

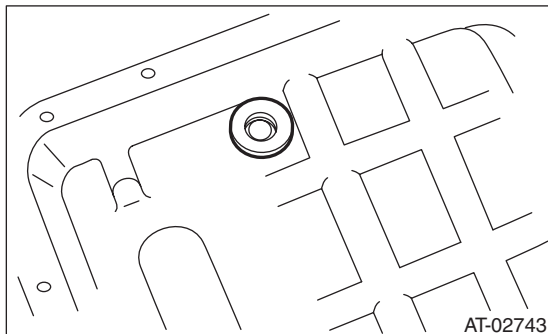
- 7) Remove the oil pan.

CAUTION:

Be sure to prevent the entering of dust and other foreign matters into oil pan.



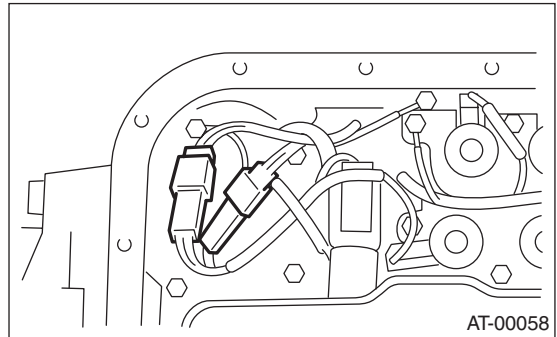
- 8) Remove the magnet.



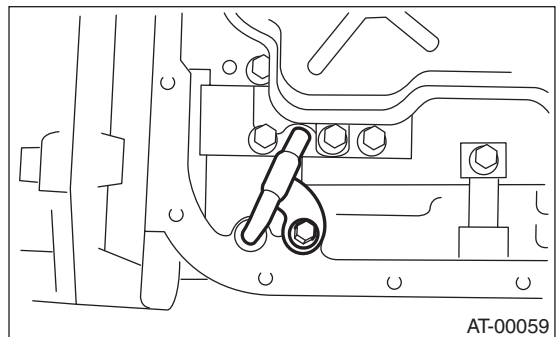
- 9) Clean the magnet.

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

- 11) Disconnect the control valve connector.



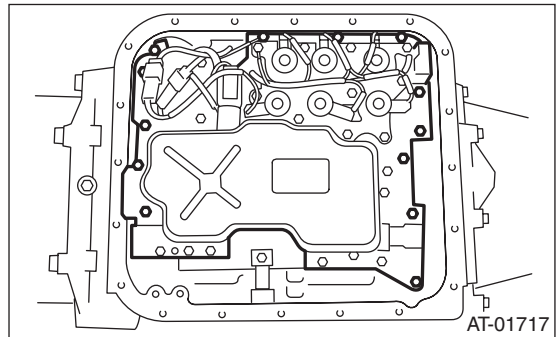
- 12) Remove the oil cooler pipe.



- 13) Remove the control valve body.

NOTE:

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



Control Valve Body

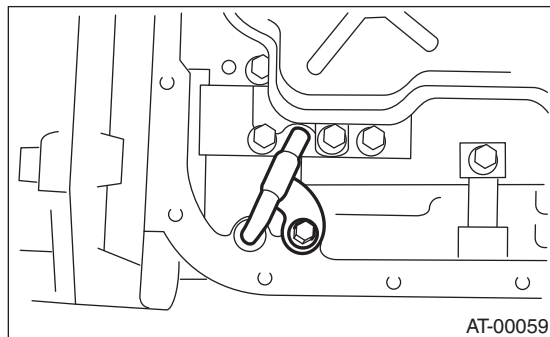
AUTOMATIC TRANSMISSION

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:

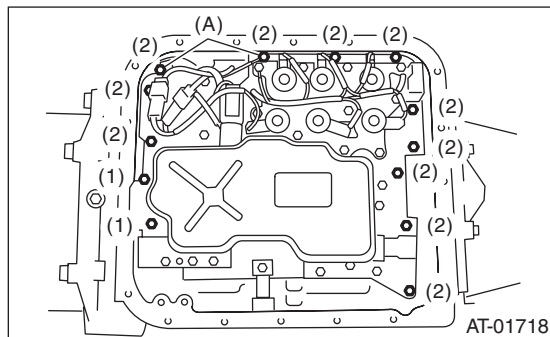
8 N·m (0.8 kgf·m, 5.8 ft·lb)



- 3) Tighten the bolts equally.

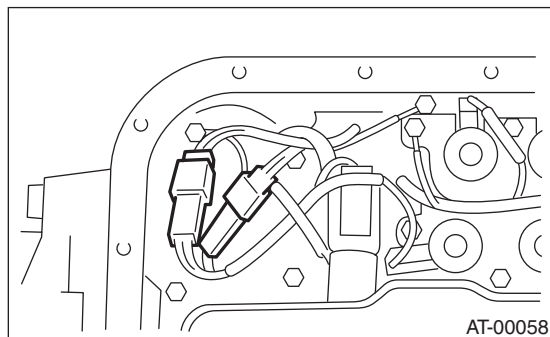
Tightening torque:

8 N·m (0.8 kgf·m, 5.8 ft·lb)

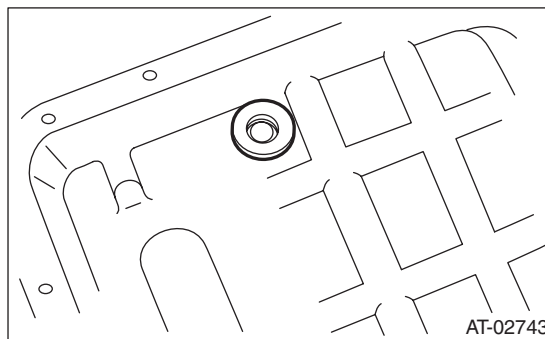


- (A) Transmission ground
Bolt length mm (in)
- | | |
|-----|-----------|
| (1) | 35 (1.38) |
| (2) | 30 (1.18) |

- 4) Connect the control valve connector.



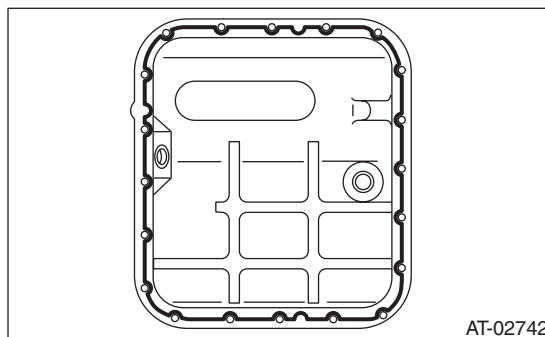
- 5) Attach the magnet at the specified position of the oil pan.



- 6) Apply liquid gasket to the oil pan.

Liquid gasket:

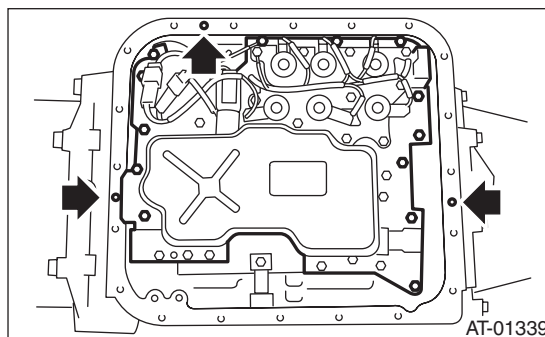
THREE BOND 1217B (Part No. K0877YA020)



- 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)



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

Tightening torque:

5 N·m (0.5 kgf·m, 3.6 ft·lb)

- 9) Fill ATF from the oil charger pipe.

Recommended fluid:

Subaru ATF Type-HP

Substitute fluid:

IDEMITSU "Apolloil ATF HP", Castrol "Transmax J"

Capacity:

Fill with the same amount of ATF as drained.

10) Bleed the air of control valve body. <Ref. to 4AT-60, Air Bleeding of Control Valve.>

11) Check the ATF level.

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

12) Execute the learning control promotion. <Ref. to 4AT(diag)-16, FACILITATION OF LEARNING CONTROL, OPERATION, Subaru Select Monitor.>

C: INSPECTION

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