

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 ATF drain plug 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) Tighten the ATF drain plug.

NOTE:

Use a new gasket.

Tightening torque:

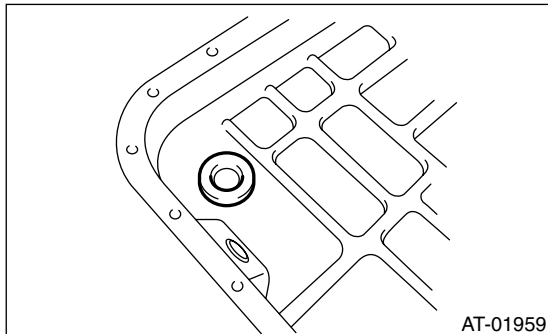
25 N·m (2.5 kgf·m, 18 ft·lb)

- 7) Remove the oil pan.

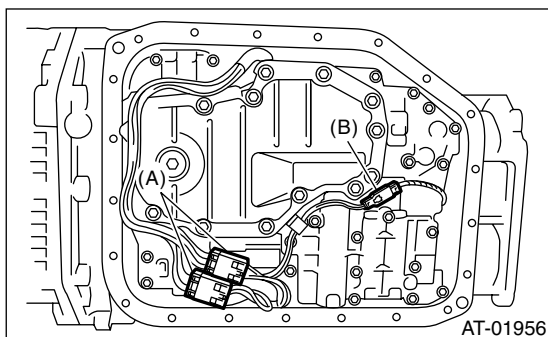
CAUTION:

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 and front vehicle speed sensor connector.

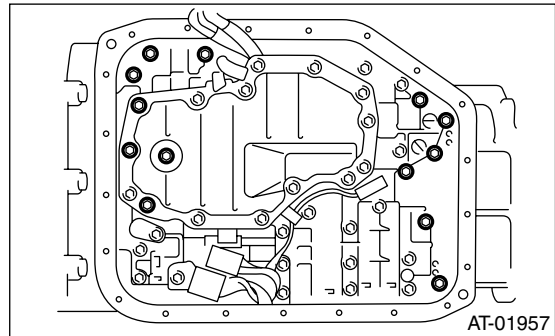


- (A) Control valve connector
- (B) Front vehicle speed sensor connector

- 12) Remove the control valve body.

NOTE:

Replace the control valve body as assembly, because it is non-disassemble part.

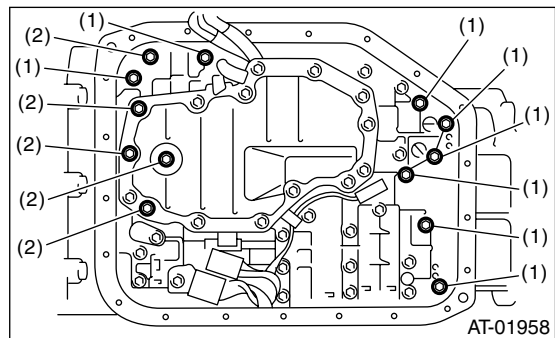


B: INSTALLATION

- 1) Check the control valve body for dust and other foreign matters.
- 2) Install the control valve body to transmission by equally tightening the bolts.

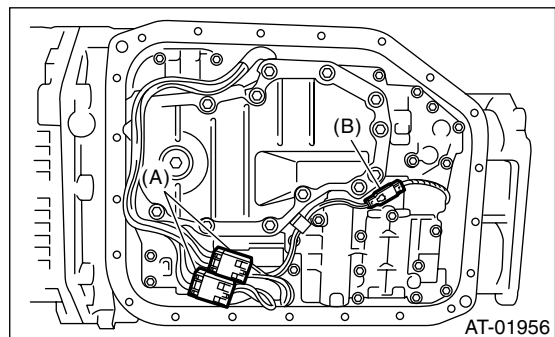
Tightening torque:

8 N·m (0.8 kgf·m, 5.8 ft·lb)



- (1) 58 mm (2.28 in)
- (2) 65 mm (2.56 in)

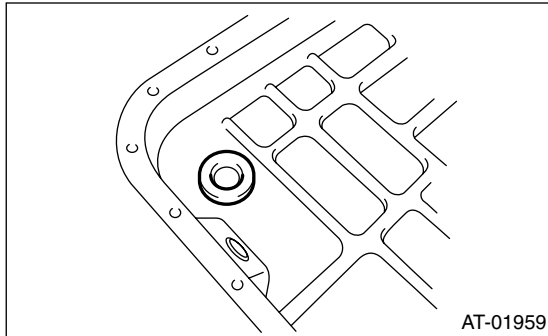
- 3) Connect the control valve connector.



- (A) Control valve connector
- (B) Front vehicle speed sensor connector

AUTOMATIC TRANSMISSION

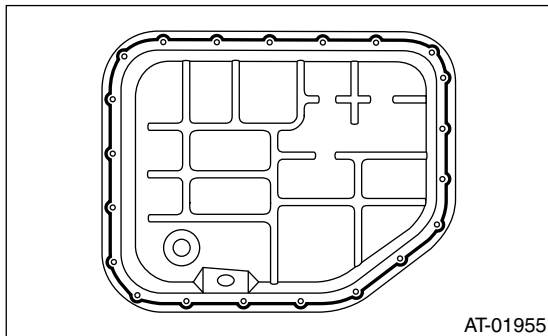
- 4) Attach the magnet at the specified position of oil pan.



- 5) Apply liquid gasket to the oil pan.

Liquid gasket:

THREE BOND 1217B (Part No. K0877YA020)



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

Tightening torque:

5 N·m (0.5 kgf·m, 3.7 ft·lb)

- 7) Pour ATF through the oil charge pipe.

Specified and recommended fluid:

<Ref. to 5AT-2, SPECIFICATION, General Description.>

Capacity:

Fill the same amount of the drained ATF.

- 8) Check the ATF level.

<Ref. to 5AT-27, Automatic Transmission Fluid.>

- 9) Perform the Clear Memory 2. <Ref. to 5AT(diag)-17, CLEAR MEMORY MODE, OPERATION, Subaru Select Monitor.>

- 10) Perform the inspection with driving the vehicle at the end of repair work, and make sure there is no faulty as below;

- Excessive shift shock
- Oil leakage from transmission body and etc.
- Occurrence of noise caused by interference etc.

NOTE:

If excessive shift shock is felt, execute the advance operation of learning control. <Ref. to 5AT(diag)-21, PROCEDURE, Learning Control.>

C: INSPECTION

Check each parts for holes, damages or other foreign matters.