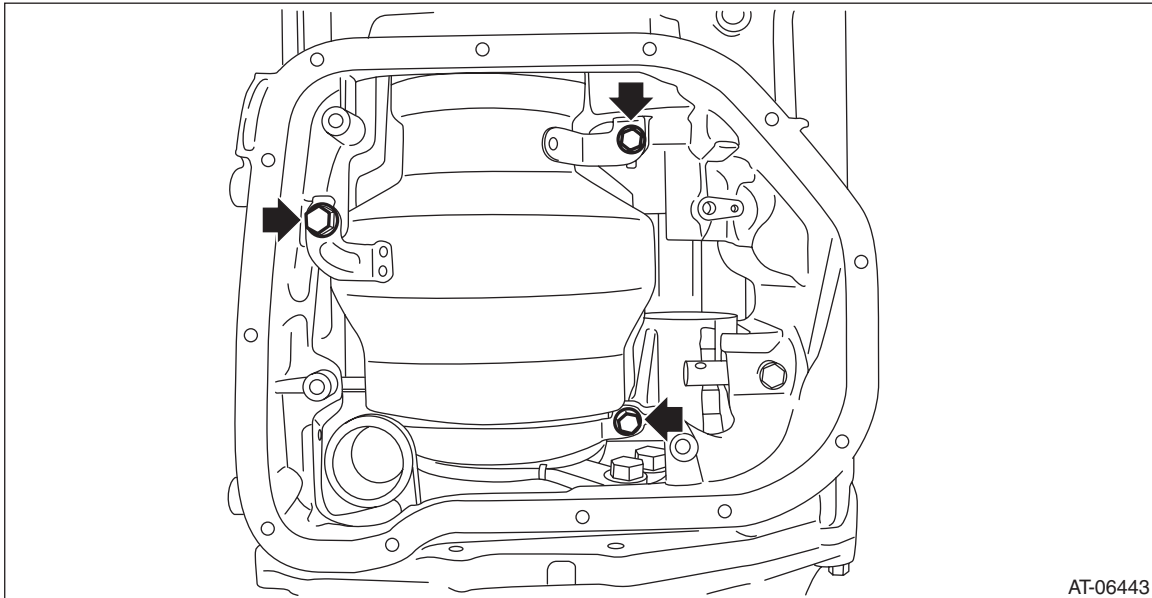


34. Transmission Case

A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT-57, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the air breather hose. <Ref. to CVT-150, REMOVAL, Air Breather Hose.>
- 3) Remove the control valve body. <Ref. to CVT-114, REMOVAL, Control Valve Body.>
- 4) Remove the transmission harness. <Ref. to CVT-127, REMOVAL, Transmission Harness.>
- 5) Remove the turbine speed sensor. <Ref. to CVT-101, REMOVAL, Turbine Speed Sensor.>
- 6) Remove the secondary speed sensor. <Ref. to CVT-103, REMOVAL, Secondary Speed Sensor.>
- 7) Remove the primary speed sensor. <Ref. to CVT-105, REMOVAL, Primary Speed Sensor.>
- 8) Remove the inhibitor switch. <Ref. to CVT-97, REMOVAL, Inhibitor Switch.>
- 9) Remove the extension case. <Ref. to CVT-158, REMOVAL, Extension Case.>
- 10) Remove the transfer clutch assembly. <Ref. to CVT-162, REMOVAL, Transfer Clutch.>
- 11) Remove the transfer driven gear assembly. <Ref. to CVT-176, REMOVAL, Transfer Driven Gear.>
- 12) Remove the parking pawl. <Ref. to CVT-179, REMOVAL, Parking Pawl.>
- 13) Remove the reduction driven gear assembly. <Ref. to CVT-181, REMOVAL, Reduction Driven Gear.>
- 14) Remove the oil pan and oil strainer. <Ref. to CVT-110, REMOVAL, Oil Pan and Strainer.>
- 15) Remove the transmission control device. <Ref. to CVT-189, REMOVAL, Transmission Control Device.>
- 16) Remove the oil baffle securing bolt.



- 17) Remove the CVTF cooler pipe COMPL. <Ref. to CVT-140, REMOVAL, CVTF Cooler Pipe and Hose.>
- 18) Remove the transmission case.

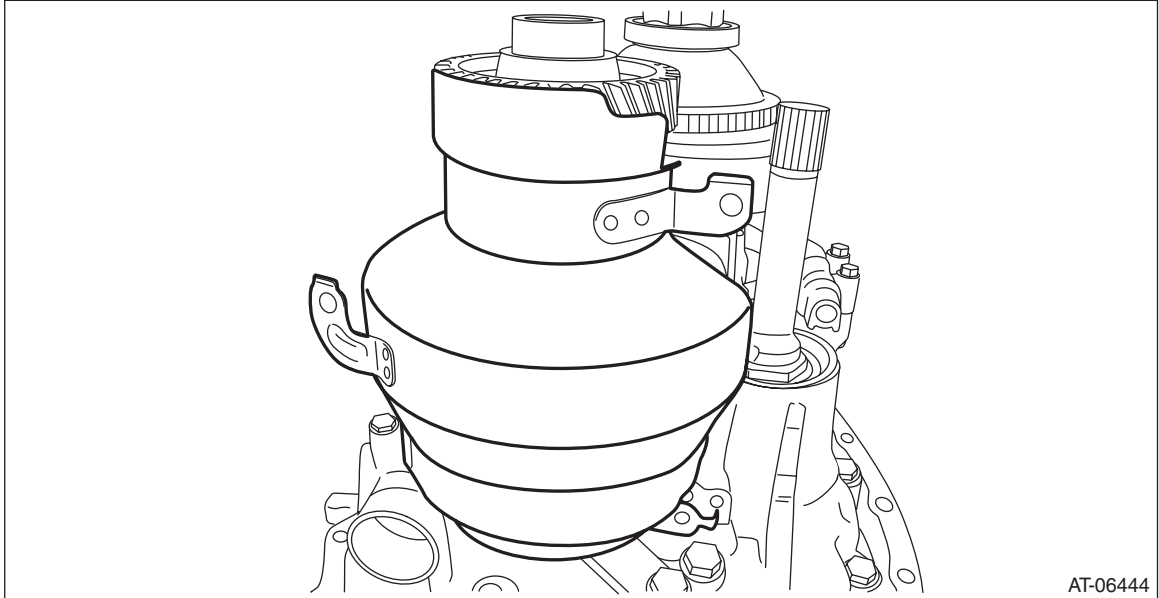
NOTE:

The total number of transmission case mounting bolts is 15.

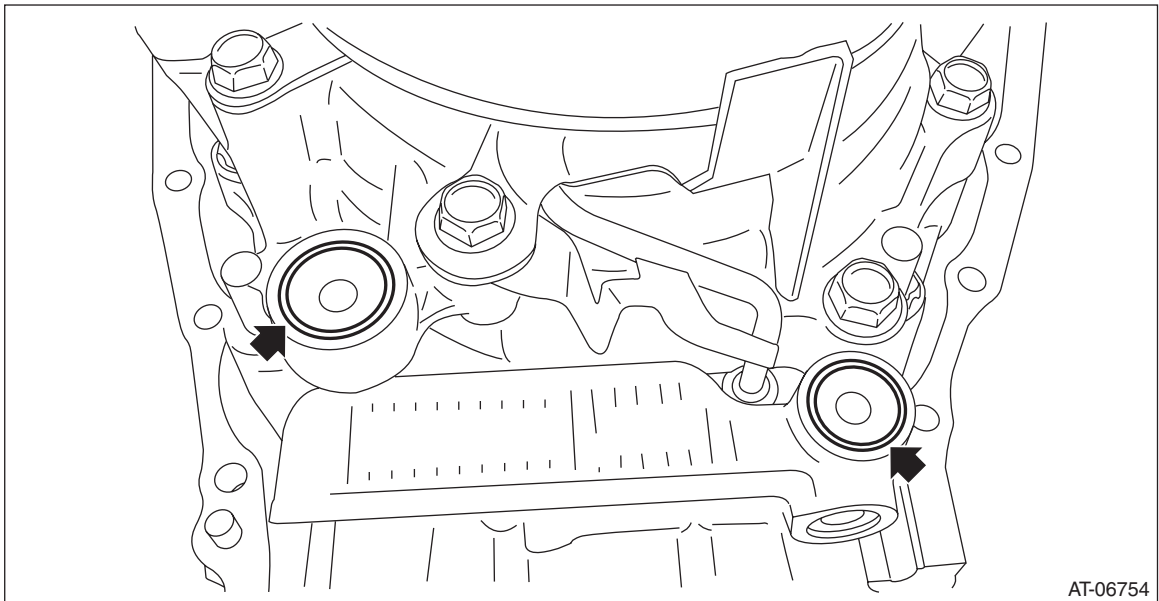
Transmission Case

CONTINUOUSLY VARIABLE TRANSMISSION

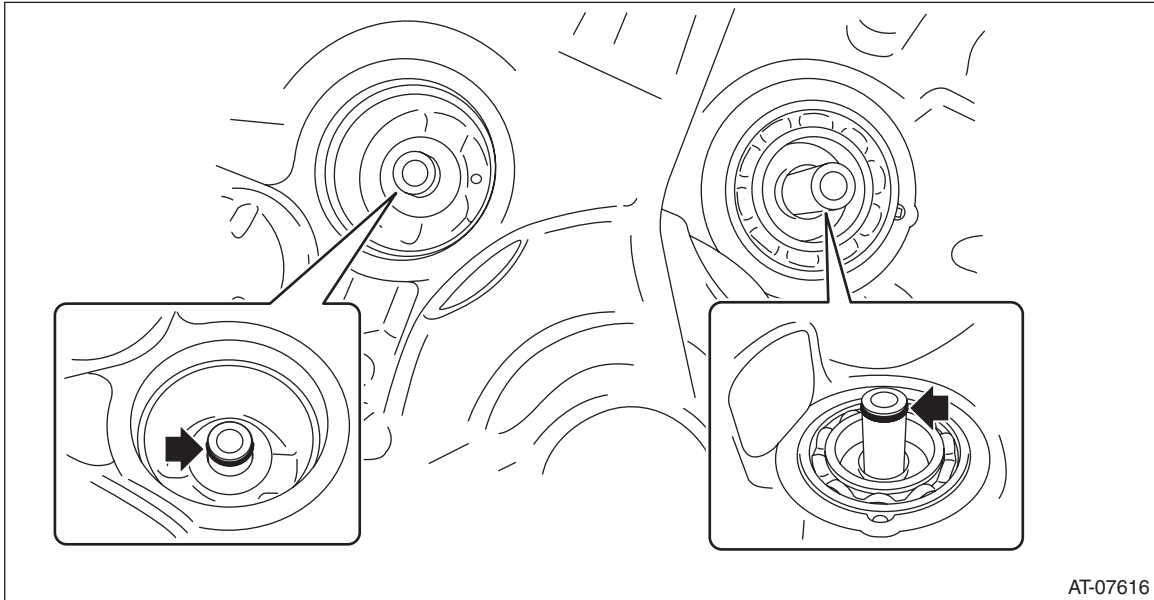
19) Remove the oil baffle.



20) Remove the O-ring.



21) Remove the seal ring from the transmission case.

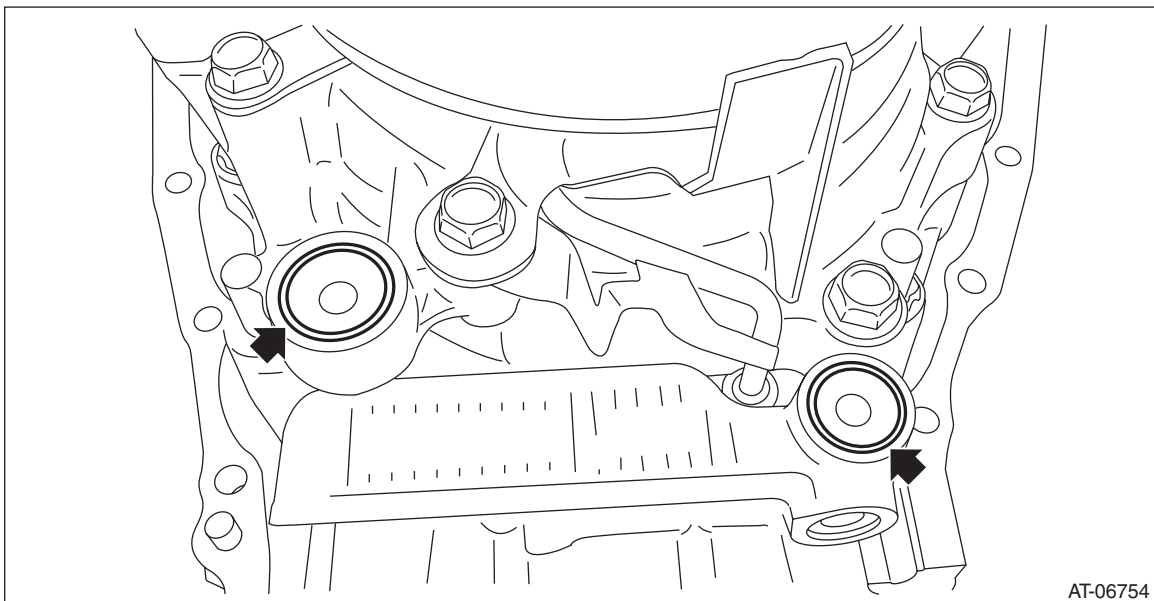


B: INSTALLATION

- 1) Clean the mating surface of transmission case and converter case.
- 2) Select the reduction gear shim. <Ref. to CVT-209, ADJUSTMENT, Reduction Drive Gear.>
- 3) Remove the transmission case, and install the selected reduction gear shim to the reduction drive gear.
- 4) Install the O-rings to the reverse clutch housing and drive pinion retainer.

NOTE:

- Use new O-rings.
- Apply CVTF to the O-ring.



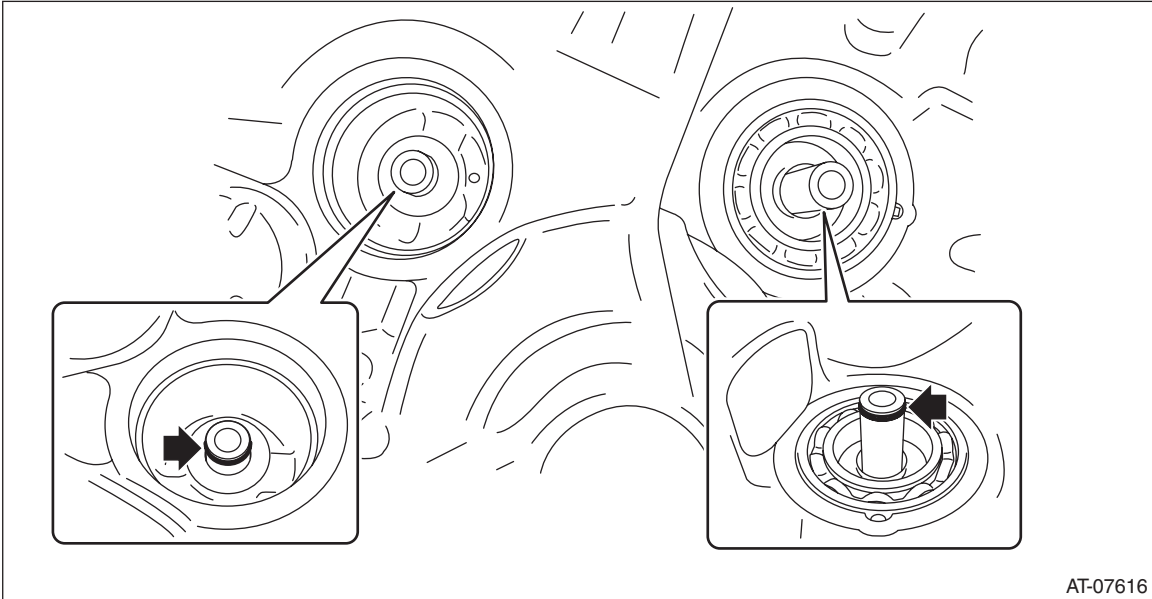
Transmission Case

CONTINUOUSLY VARIABLE TRANSMISSION

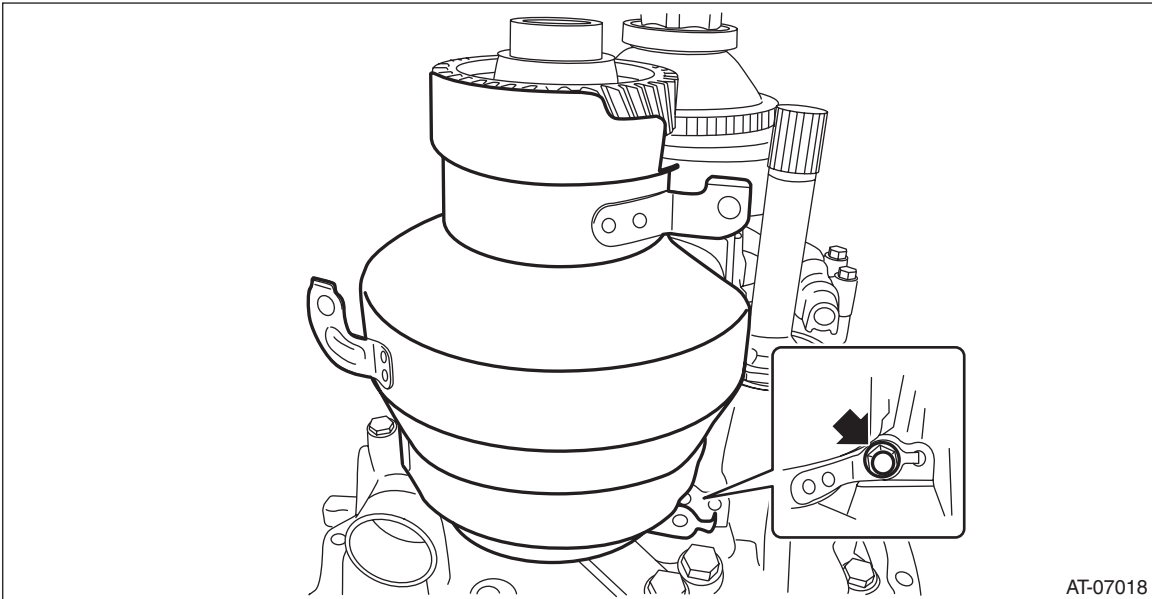
5) Install the seal ring to the transmission case.

NOTE:

- Use a new seal ring.
- Apply CVTF to the seal rings.



6) Cover the secondary pulley with the oil baffle, and temporarily install it with bolts.



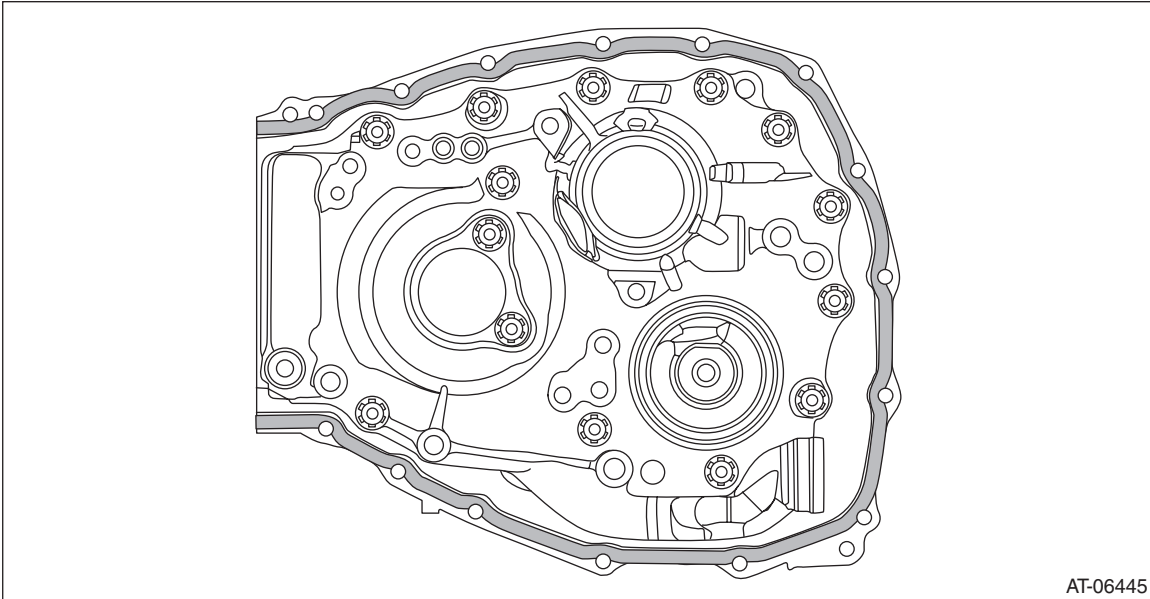
Transmission Case

CONTINUOUSLY VARIABLE TRANSMISSION

7) Apply liquid gasket seamlessly to the mating surface of transmission case.

Liquid gasket:

THREE BOND 1215 (Part No. 004403007) or equivalent



8) Install the transmission case.

NOTE:

The total number of transmission case mounting bolts is 15.

Tightening torque:

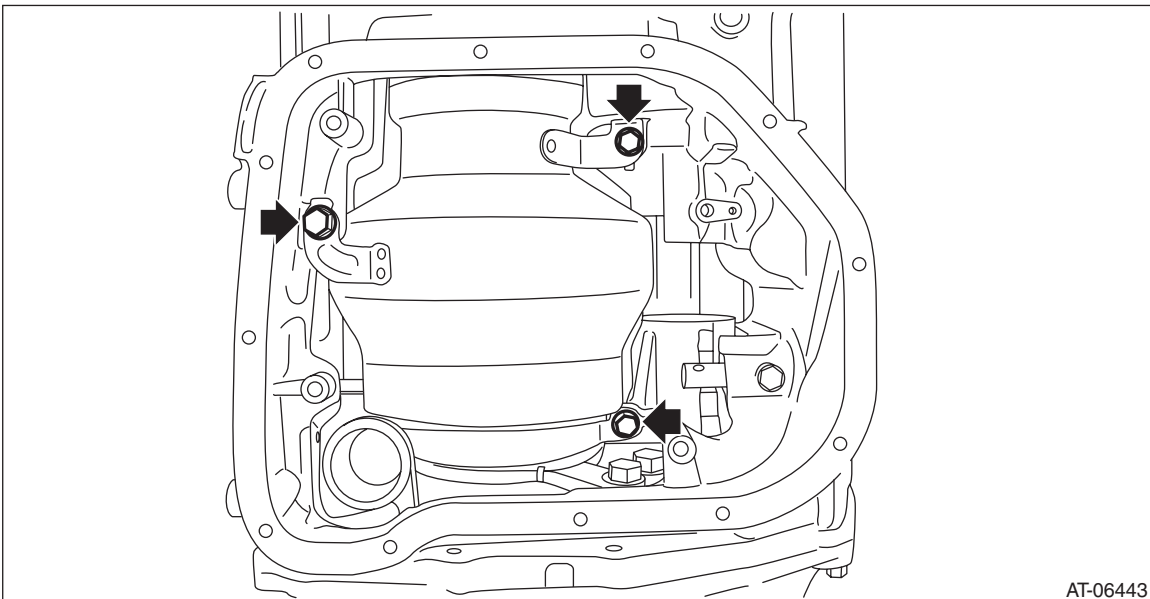
22 N·m (2.2 kgf-m, 16.2 ft-lb)

9) Install the CVTF cooler pipe COMPL. <Ref. to CVT-145, INSTALLATION, CVTF Cooler Pipe and Hose.>

10) Install the oil baffle securing bolt.

Tightening torque:

16 N·m (1.6 kgf-m, 11.8 ft-lb)



11) Install the transmission control device. <Ref. to CVT-192, INSTALLATION, Transmission Control Device.>

12) Install the oil pan and oil strainer. <Ref. to CVT-111, INSTALLATION, Oil Pan and Strainer.>

13) Install the reduction driven gear assembly. <Ref. to CVT-181, INSTALLATION, Reduction Driven Gear.>

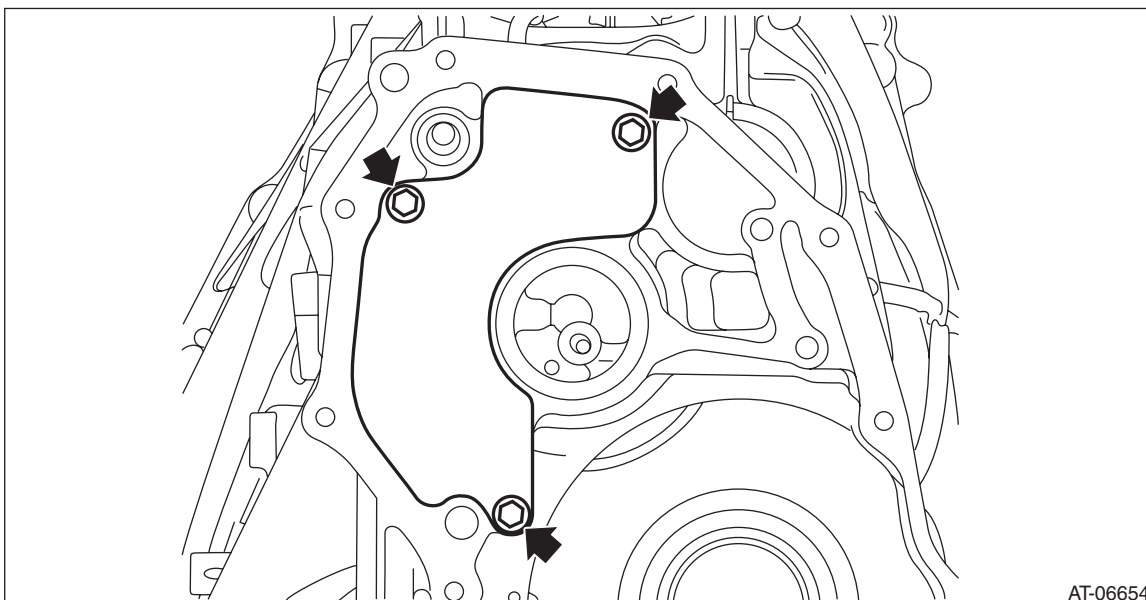
Transmission Case

CONTINUOUSLY VARIABLE TRANSMISSION

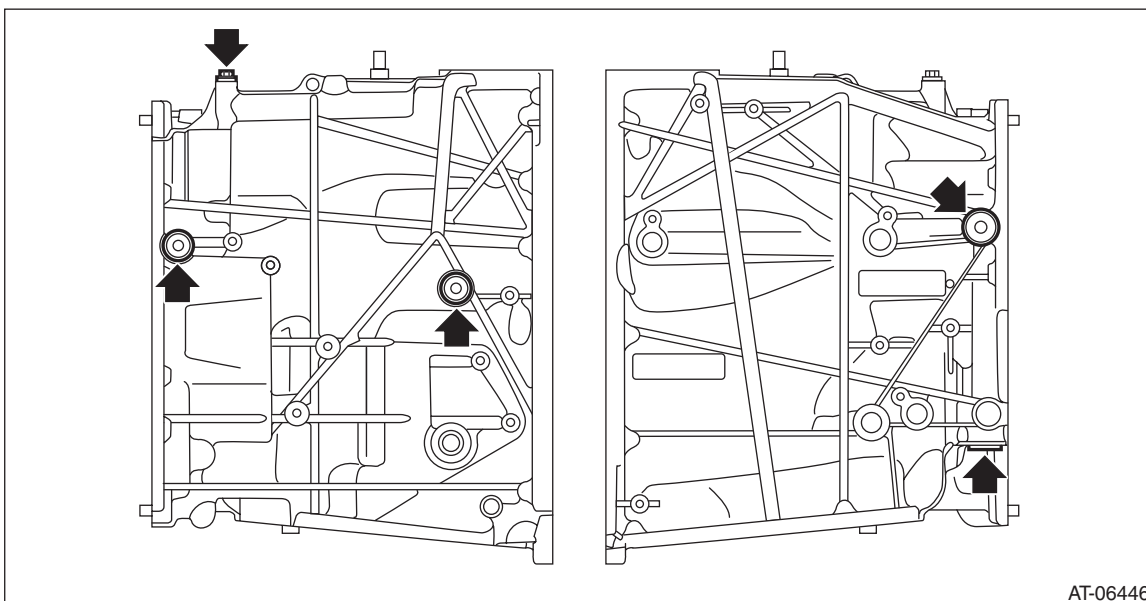
- 14) Install the parking pawl. <Ref. to CVT-180, INSTALLATION, Parking Pawl.>
- 15) Install the transfer driven gear assembly. <Ref. to CVT-177, INSTALLATION, Transfer Driven Gear.>
- 16) Install the transfer clutch assembly. <Ref. to CVT-164, INSTALLATION, Transfer Clutch.>
- 17) Install the extension case. <Ref. to CVT-159, INSTALLATION, Extension Case.>
- 18) Install the inhibitor switch. <Ref. to CVT-99, INSTALLATION, Inhibitor Switch.>
- 19) Install the secondary speed sensor. <Ref. to CVT-103, INSTALLATION, Secondary Speed Sensor.>
- 20) Install the primary speed sensor. <Ref. to CVT-106, INSTALLATION, Primary Speed Sensor.>
- 21) Install the turbine speed sensor. <Ref. to CVT-101, INSTALLATION, Turbine Speed Sensor.>
- 22) Install the transmission harness. <Ref. to CVT-132, INSTALLATION, Transmission Harness.>
- 23) Install the control valve body. <Ref. to CVT-119, INSTALLATION, Control Valve Body.>
- 24) Install the air breather hose. <Ref. to CVT-151, INSTALLATION, Air Breather Hose.>
- 25) Install the transmission assembly to the vehicle. <Ref. to CVT-71, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

- 1) Remove the oil stopper plate.



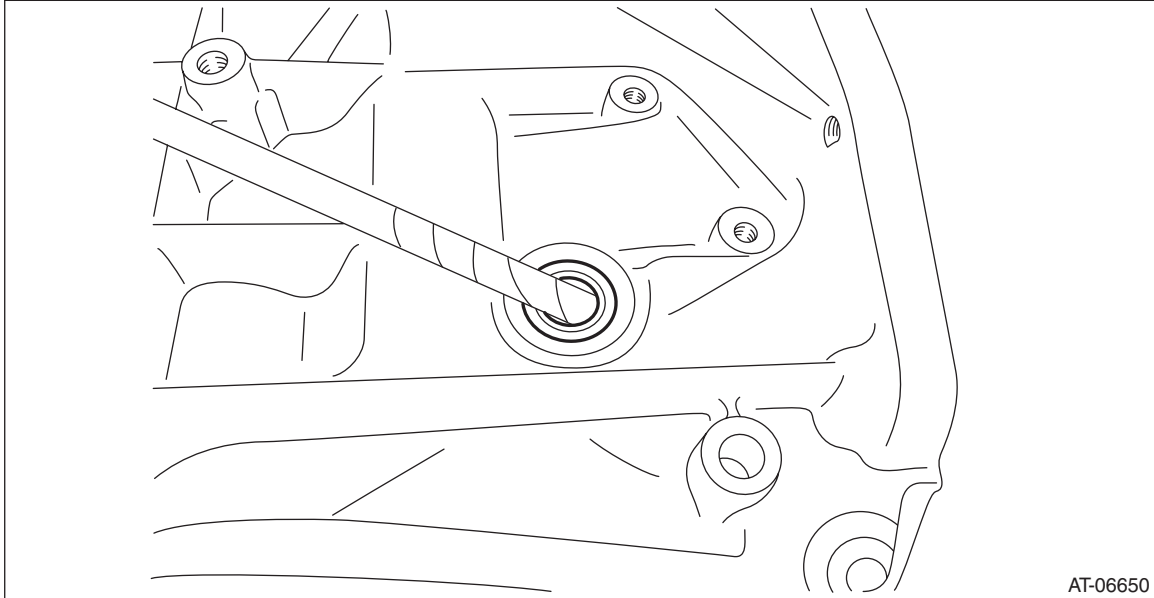
- 2) Remove all plugs from the transmission case.



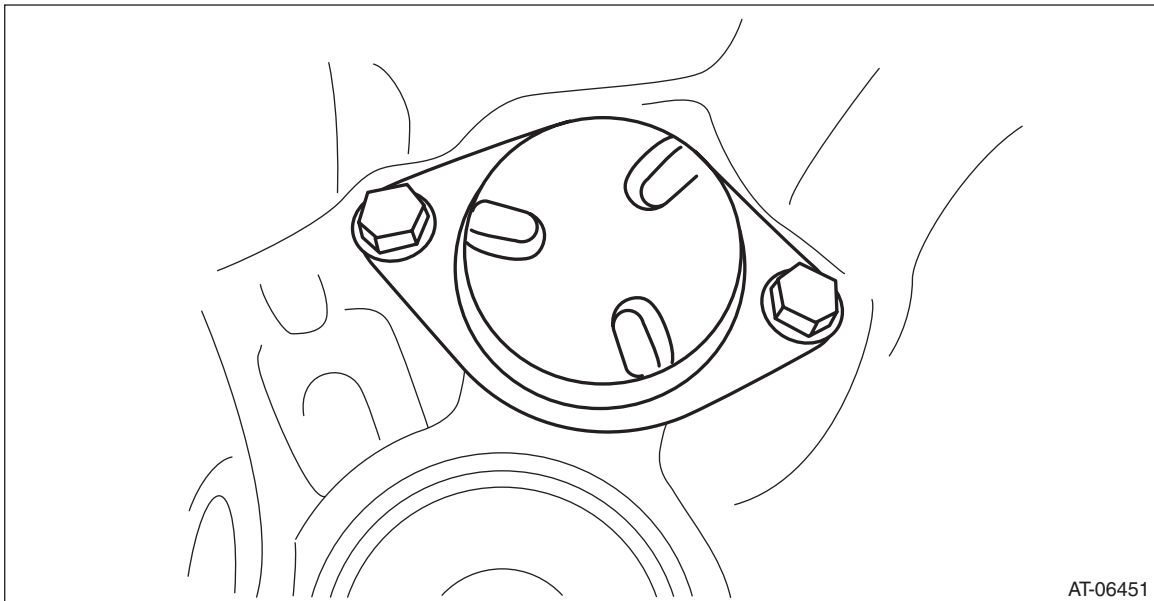
Transmission Case

CONTINUOUSLY VARIABLE TRANSMISSION

- 3) Remove the oil seal using a screwdriver wrapped with cloth etc.



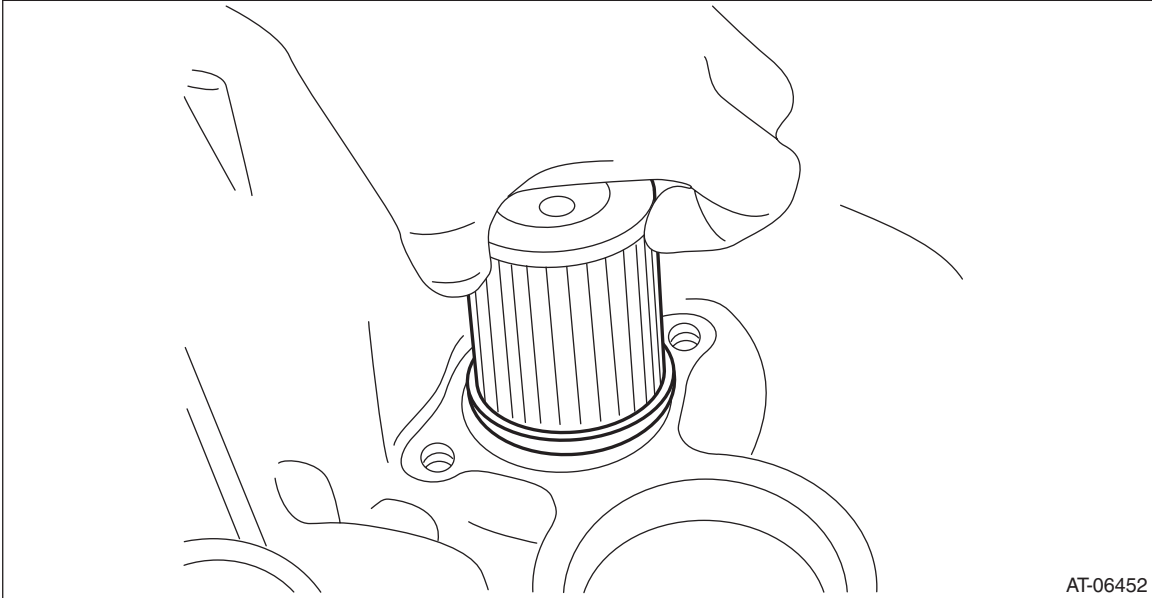
- 4) Remove the CVTF filter cover and gasket.



Transmission Case

CONTINUOUSLY VARIABLE TRANSMISSION

5) Remove the CVTF filter.



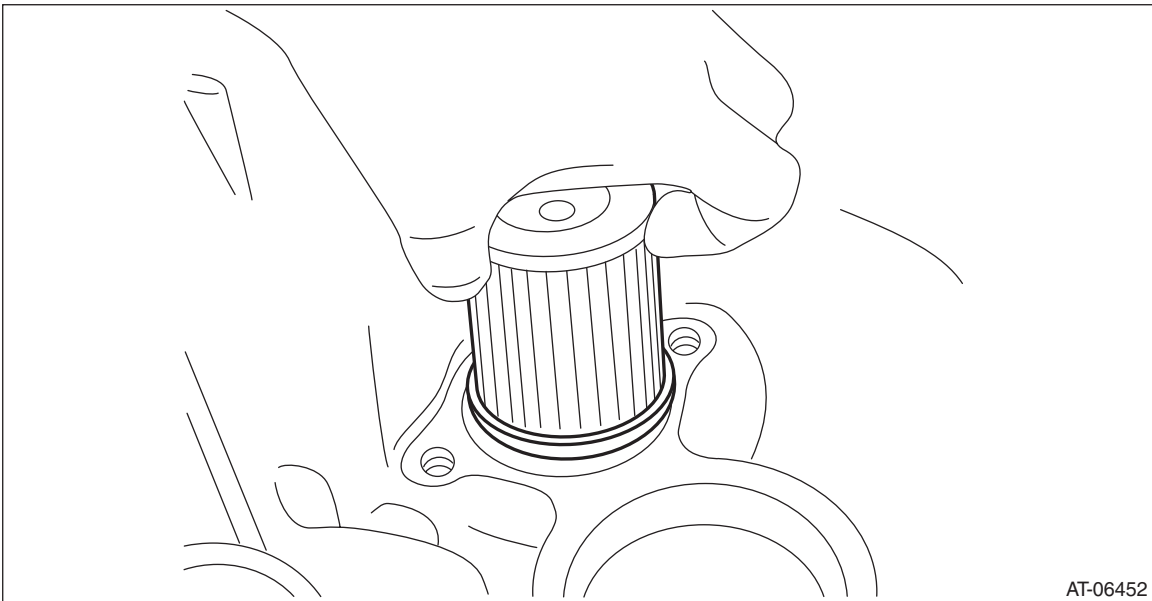
AT-06452

D: ASSEMBLY

1) Face the O-ring side of the CVTF filter to the transmission case side, and install the CVTF filter.

NOTE:

Apply CVTF to the O-ring of CVTF filter.



AT-06452

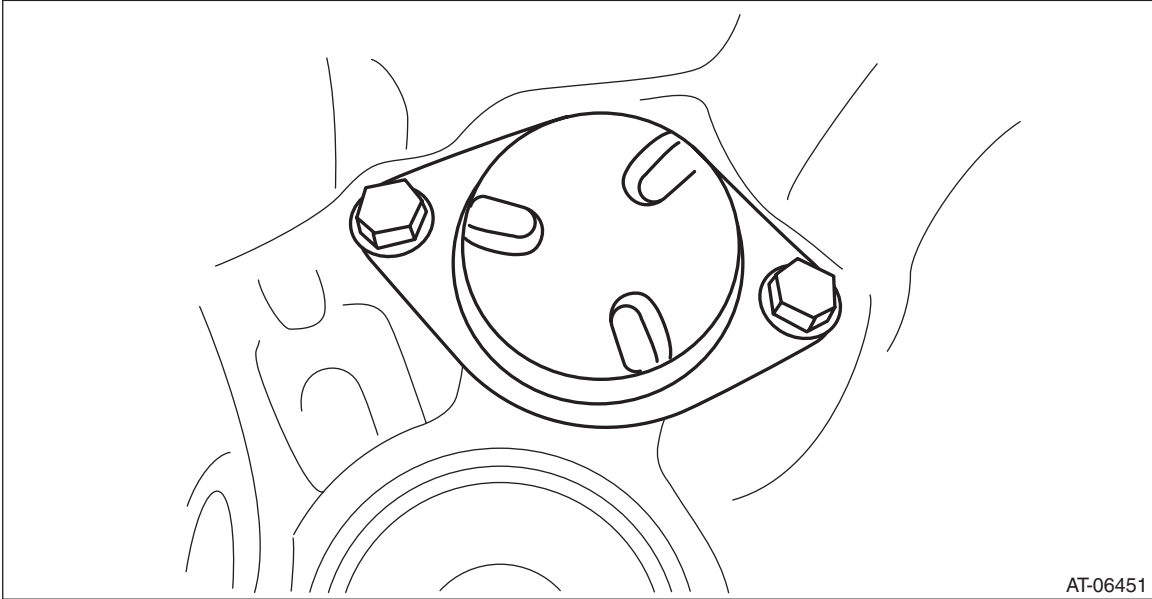
2) Install the CVTF filter cover and gasket.

NOTE:

Use a new gasket.

Tightening torque:

17 N·m (1.7 kgf-m, 12.5 ft-lb)

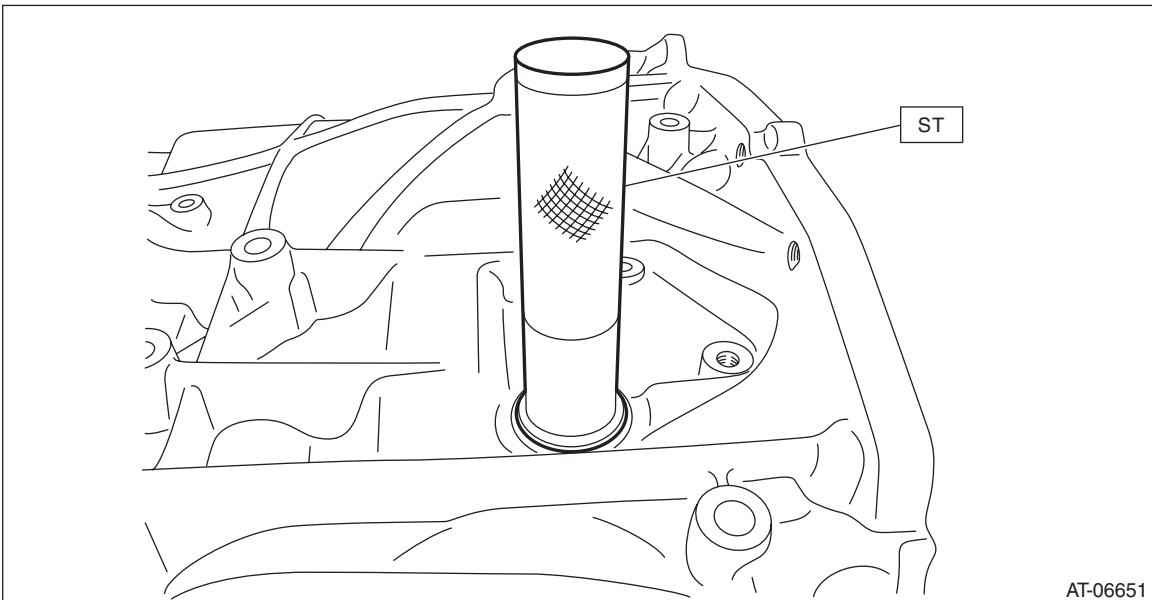


3) Using the ST, install the oil seal.

NOTE:

- Use a new oil seal.
- Apply CVTF to the oil seal lip and press-fitting surface.

ST 18657AA000 INSTALLER



Transmission Case

CONTINUOUSLY VARIABLE TRANSMISSION

4) Install all plugs.

NOTE:

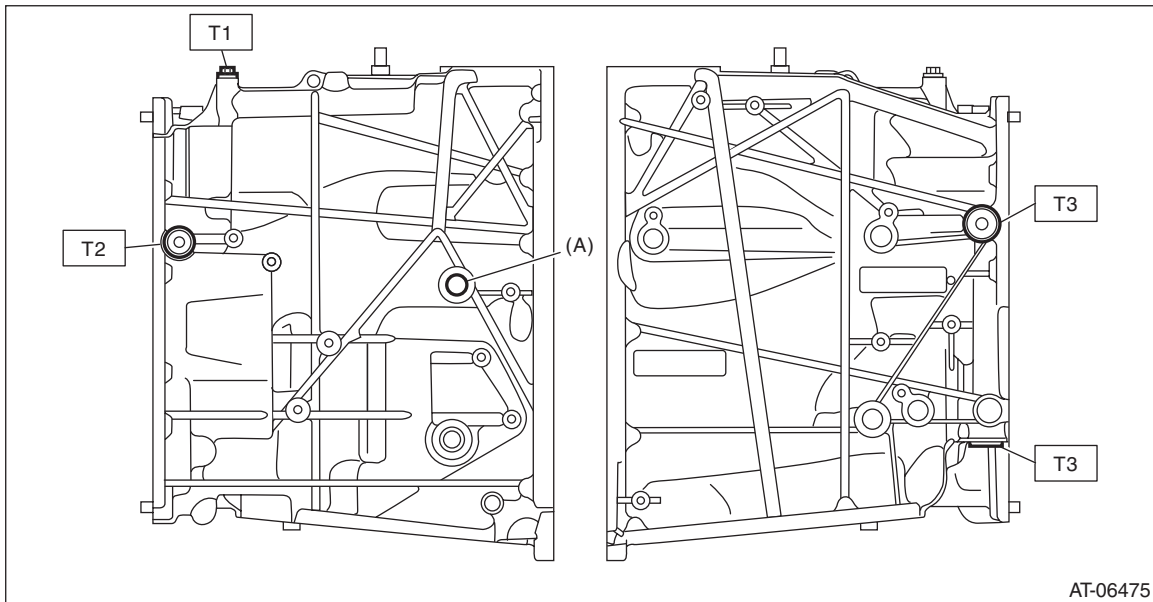
- Use new O-rings.
- Apply CVTF to the O-ring.
- For the plug (A), fill the CVTF, and then tighten the plug (A) using a new O-ring.

Tightening torque:

T1: 13 N·m (1.3 kgf-m, 9.6 ft-lb)

T2: 25 N·m (2.5 kgf-m, 18.4 ft-lb)

T3: 50 N·m (5.1 kgf-m, 36.9 ft-lb)



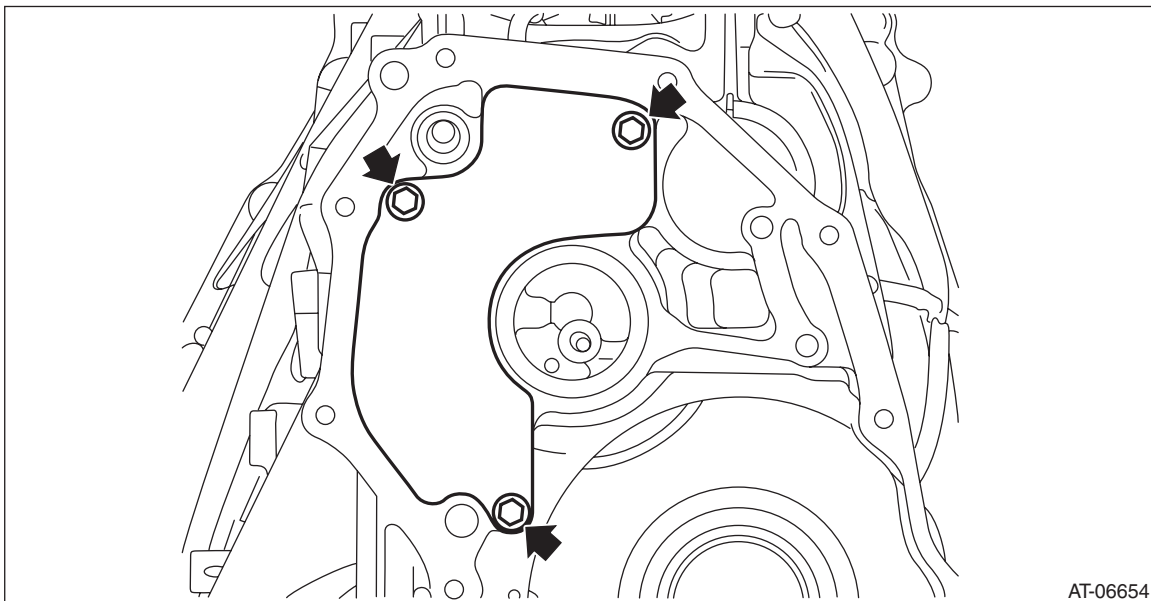
5) Install the oil stopper plate.

NOTE:

Use a new bolt.

Tightening torque:

9 N·m (0.9 kgf-m, 6.6 ft-lb)



E: INSPECTION

- Check the transmission case for damage.
- Check for leakage of CVTF from the connection between converter case and transmission case.
- Check the bearing for smooth operation.
- Check the bearing for seizure or wear.

F: ADJUSTMENT

NOTE:

When replacing the transmission case with a new part, perform the following check and adjustment for the selection.

- Select the transfer driven gear shim. <Ref. to CVT-173, ADJUSTMENT, Transfer Clutch.>
- Select the transfer drive gear shim. <Ref. to CVT-187, ADJUSTMENT, Reduction Driven Gear.>
- Select the reduction drive gear shim. <Ref. to CVT-209, ADJUSTMENT, Reduction Drive Gear.>