

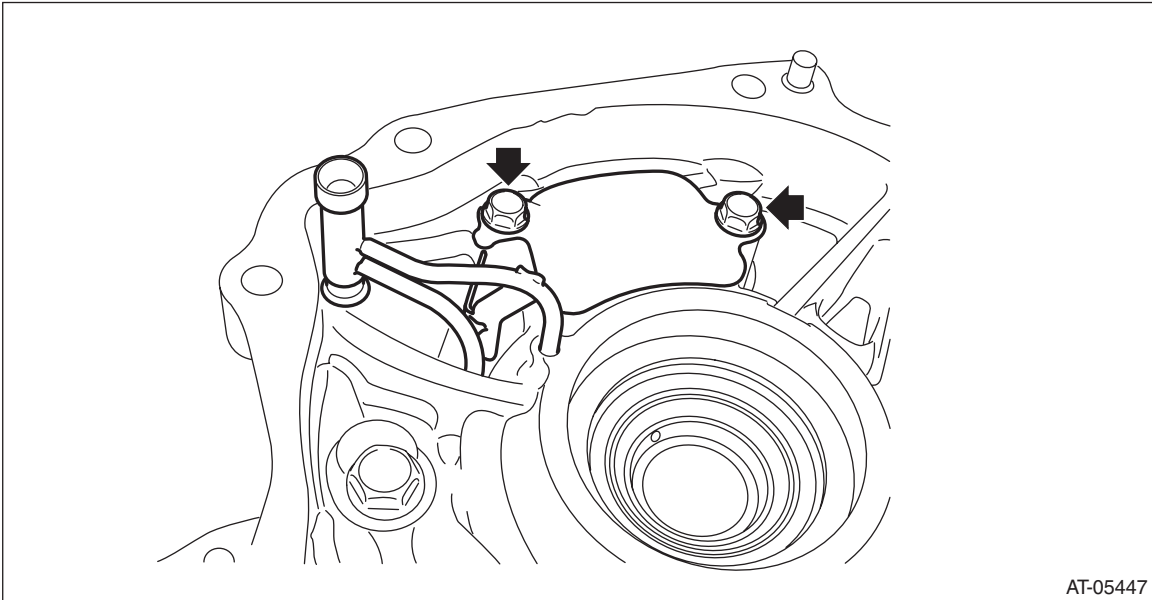
Converter Case Cover

CONTINUOUSLY VARIABLE TRANSMISSION

46. Converter Case Cover

A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT-55, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the air breather hose. <Ref. to CVT-131, REMOVAL, Air Breather Hose.>
- 3) Remove the oil pan and control valve body. <Ref. to CVT-110, REMOVAL, Control Valve Body.>
- 4) Remove the transmission harness. <Ref. to CVT-120, REMOVAL, Transmission Harness.>
- 5) Remove the extension case. <Ref. to CVT-137, REMOVAL, Extension Case.>
- 6) Remove the rear drive shaft. <Ref. to CVT-140, REMOVAL, Rear Drive Shaft.>
- 7) Remove the transfer clutch assembly. <Ref. to CVT-145, REMOVAL, Transfer Clutch.>
- 8) Remove the transfer reduction driven gear assembly. <Ref. to CVT-157, REMOVAL, Transfer Reduction Driven Gear.>
- 9) Remove the intermediate case. <Ref. to CVT-164, REMOVAL, Intermediate Case.>
- 10) Remove the forward clutch assembly. <Ref. to CVT-179, REMOVAL, Forward Clutch Assembly.>
- 11) Remove the transmission case. <Ref. to CVT-210, REMOVAL, Transmission Case.>
- 12) Remove the primary pulley, secondary pulley and variator chain. <Ref. to CVT-225, REMOVAL, Primary Pulley and Secondary Pulley.>
- 13) Remove the drive pinion shaft assembly. <Ref. to CVT-241, REMOVAL, Drive Pinion Shaft Assembly.>
- 14) Remove the oil stopper plate and lubrication pipe.



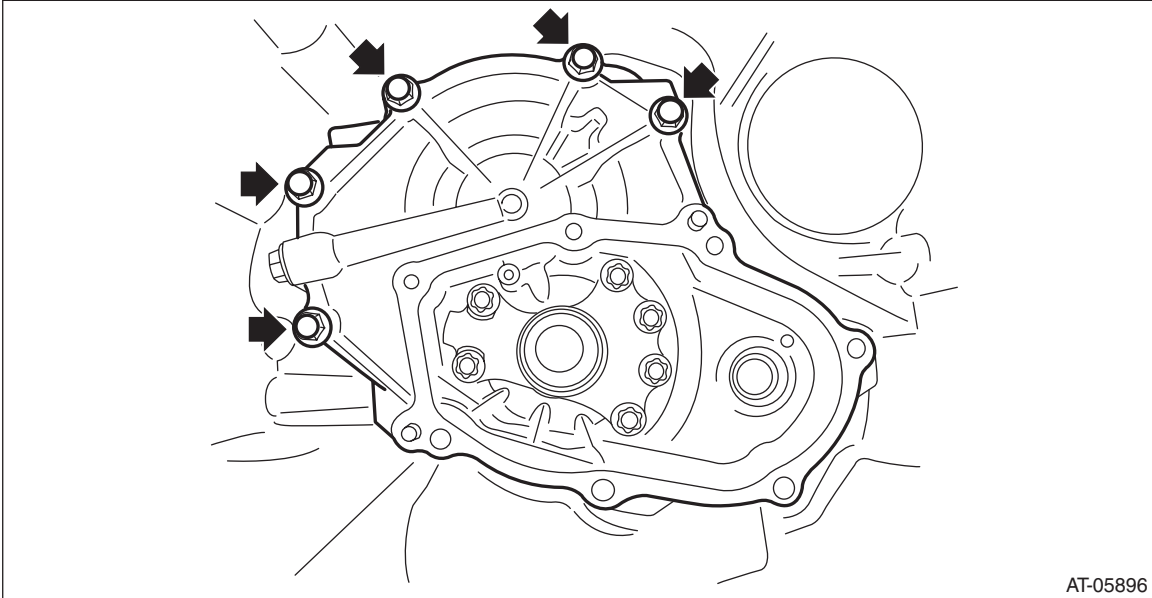
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- 15) Flip over the converter case.
- 16) Remove the oil pump chain cover and the oil pump chain. <Ref. to CVT-281, REMOVAL, Oil Pump Chain.>

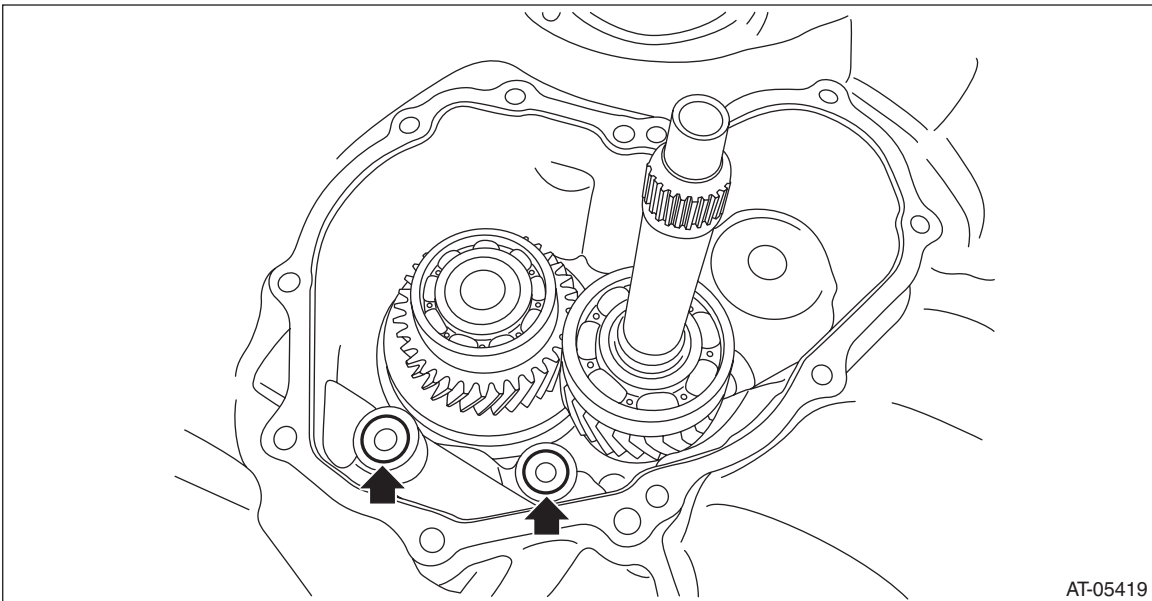
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CONTINUOUSLY VARIABLE TRANSMISSION

17) Remove the converter case cover.



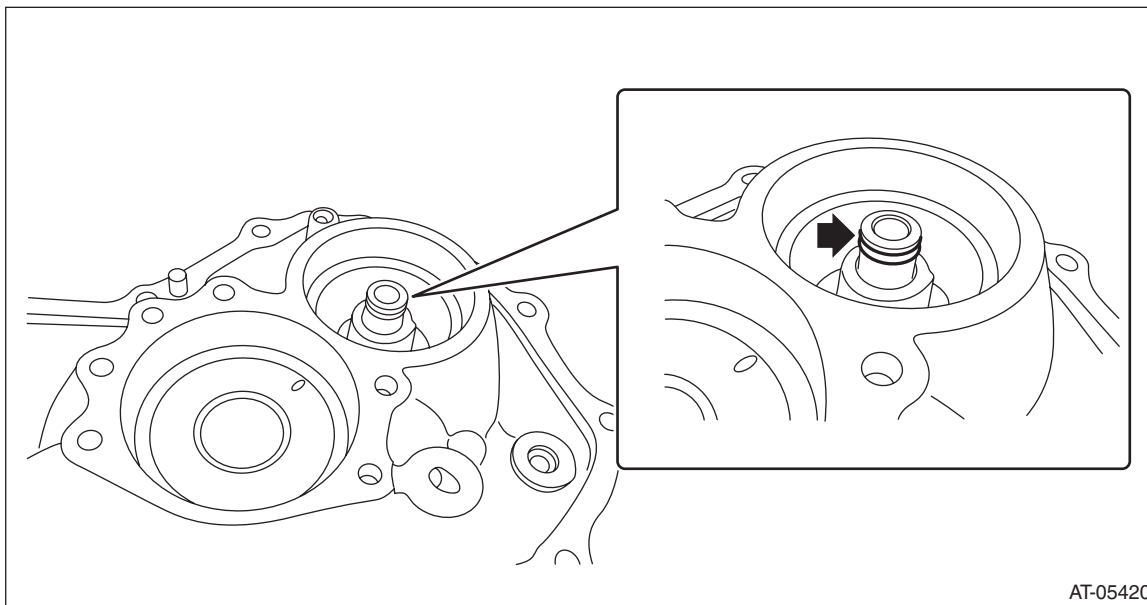
18) Remove the O-ring.



Converter Case Cover

CONTINUOUSLY VARIABLE TRANSMISSION

19) Remove the seal ring from converter case cover.

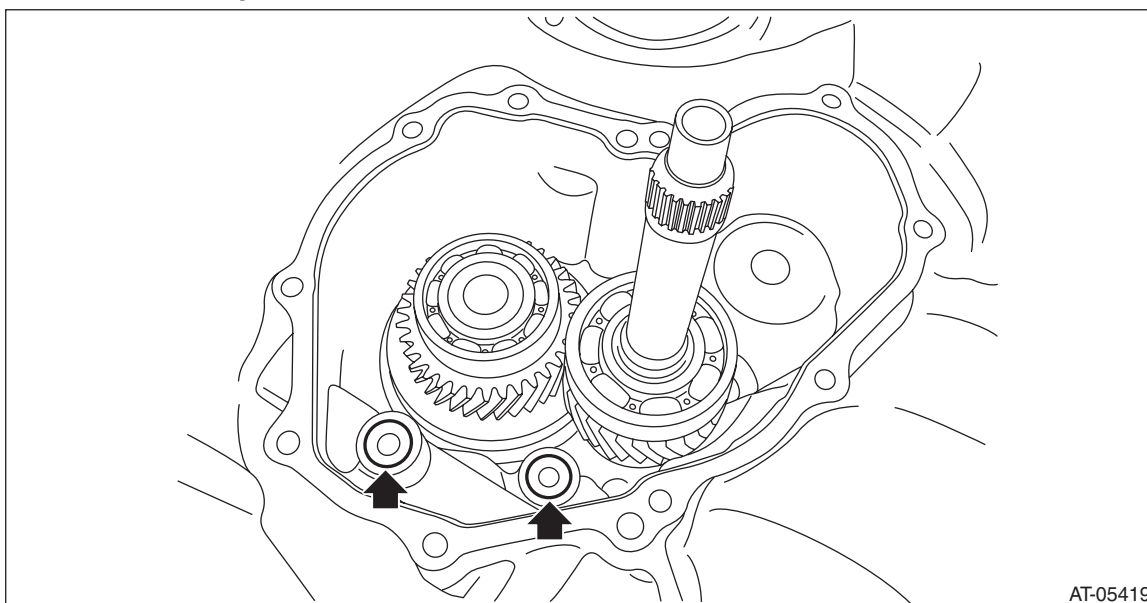


B: INSTALLATION

- 1) Clean the mating surface of converter case cover and converter case.
- 2) Adjust the shims of front reduction drive gear and front reduction driven gear. <Ref. to CVT-301, ADJUSTMENT, Front Reduction Drive Gear.> <Ref. to CVT-310, ADJUSTMENT, Front Reduction Driven Gear.>
- 3) Install the O-ring.

NOTE:

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



4) Apply CVTF to the selected shims and install each to the catch surface of bearing.

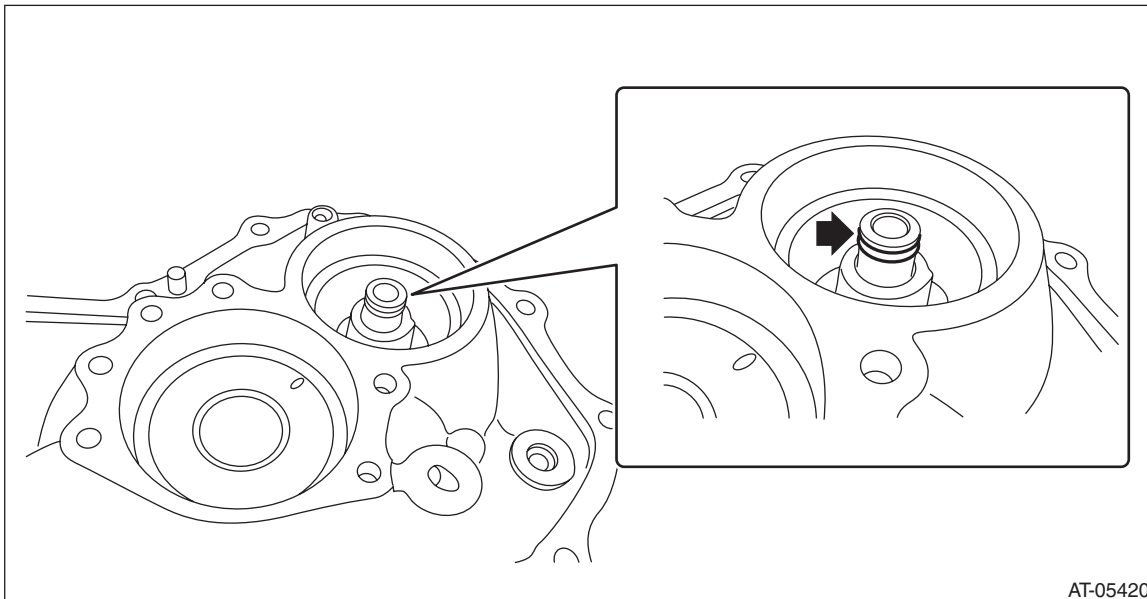
Converter Case Cover

CONTINUOUSLY VARIABLE TRANSMISSION

5) Install the seal ring to converter case cover.

NOTE:

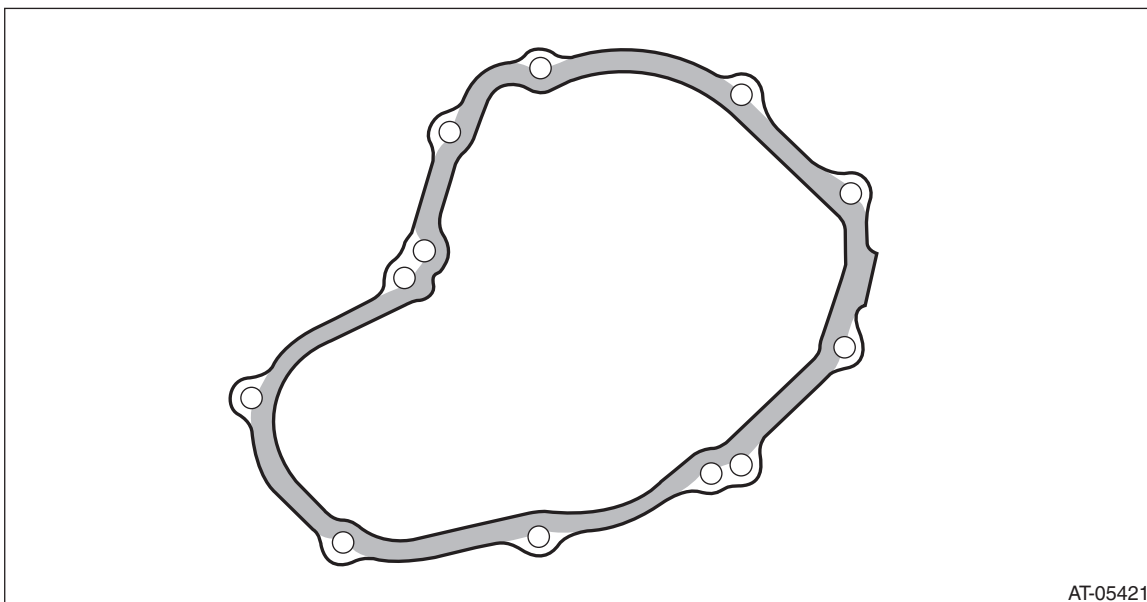
- Use a new seal ring.
- When installing the seal ring, do not expand the seal ring too much.



6) Apply liquid gasket seamlessly to the mating surface of converter case cover.

Liquid gasket:

THREE BOND 1215 (Part No. 004403007) or equivalent



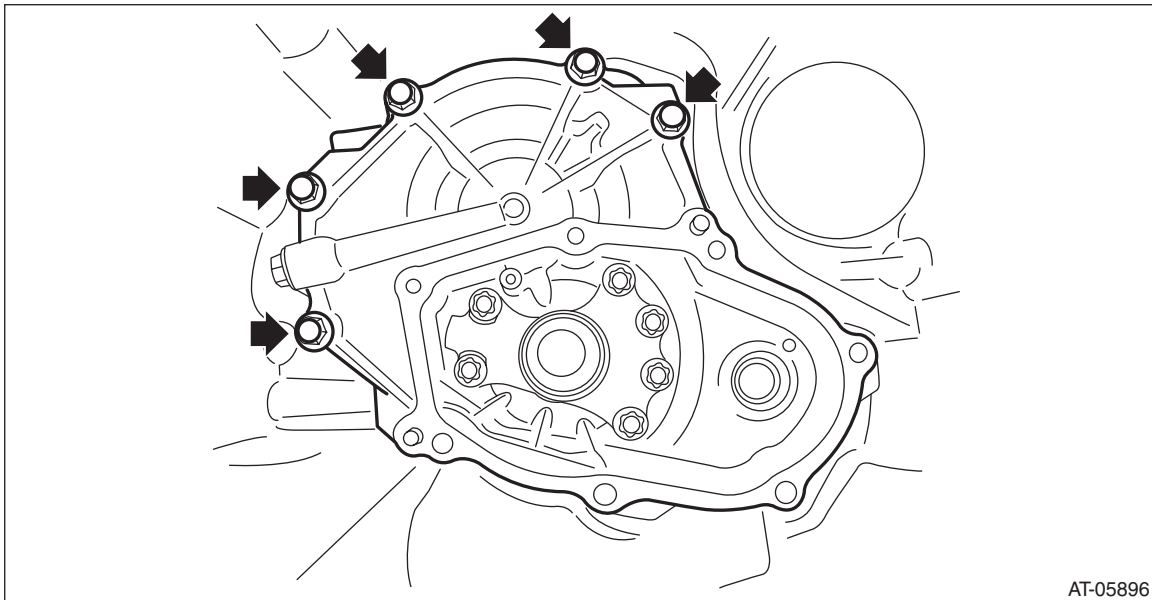
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7) Install the converter case cover.

Tightening torque:

24 N·m (2.4 kgf·m, 17.7 ft·lb)



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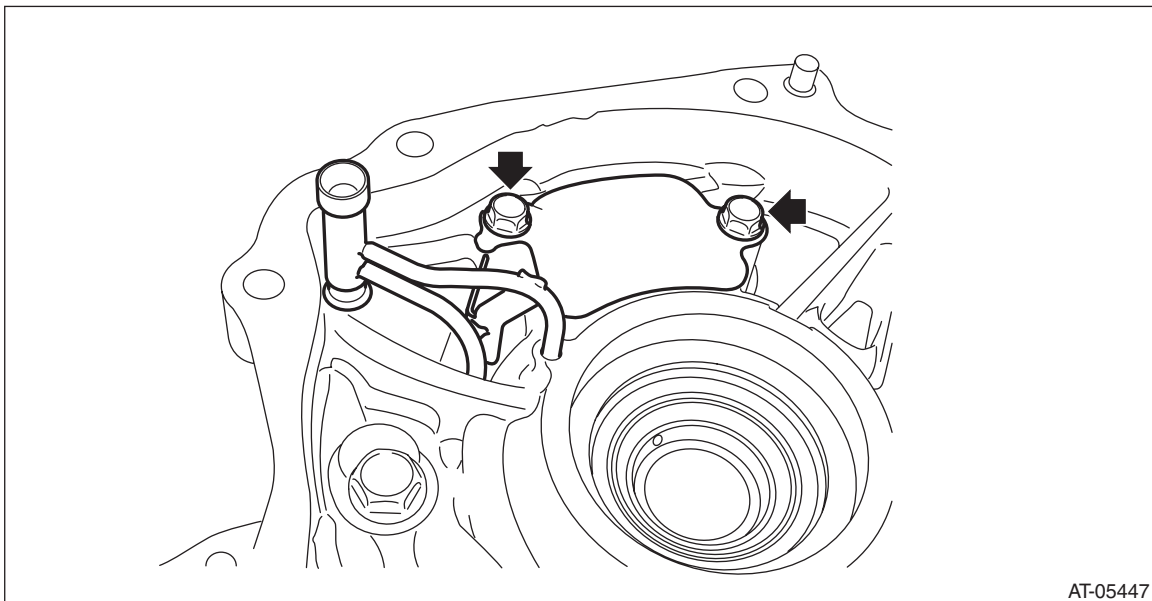
8) Install the oil pump chain cover and the oil pump chain. <Ref. to CVT-283, INSTALLATION, Oil Pump Chain.>

9) Flip over the converter case cover.

10) Install the oil stopper plate and lubrication pipe.

Tightening torque:

9 N·m (0.9 kgf·m, 6.6 ft·lb)



AT-05447

11) Install the drive pinion shaft assembly. <Ref. to CVT-243, INSTALLATION, Drive Pinion Shaft Assembly.>

12) Install the primary pulley, secondary pulley and variator chain. <Ref. to CVT-229, INSTALLATION, Primary Pulley and Secondary Pulley.>

13) Install the transmission case. <Ref. to CVT-212, INSTALLATION, Transmission Case.>

14) Install the forward clutch assembly. <Ref. to CVT-180, INSTALLATION, Forward Clutch Assembly.>

15) Install the intermediate case. <Ref. to CVT-165, INSTALLATION, Intermediate Case.>

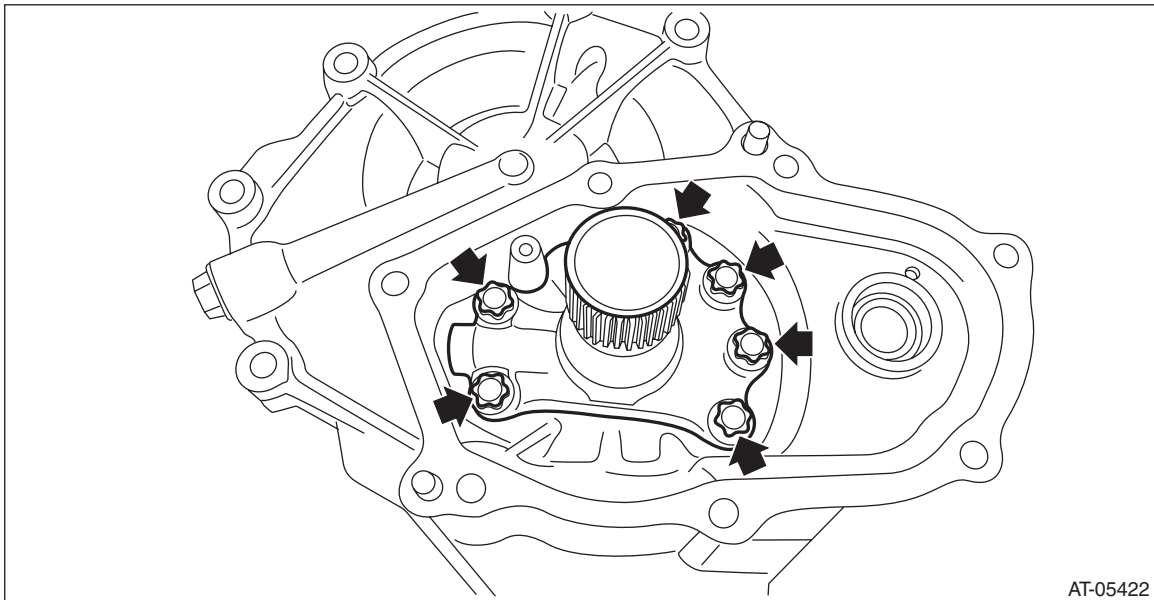
Converter Case Cover

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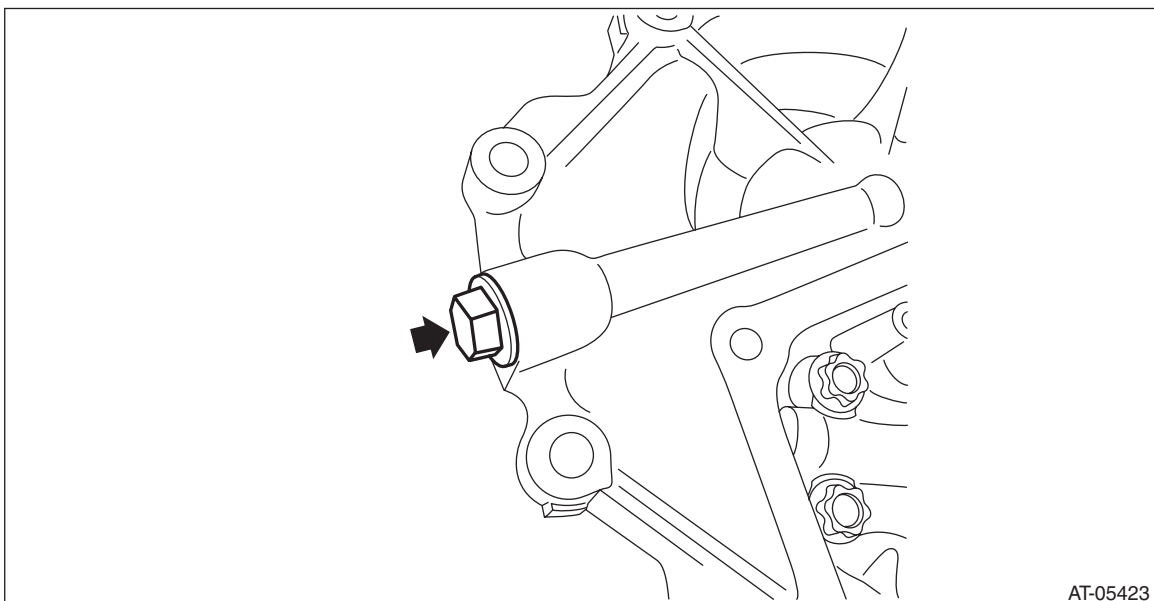
- 16) Install the transfer reduction driven gear assembly. <Ref. to CVT-157, INSTALLATION, Transfer Reduction Driven Gear.>
- 17) Install the transfer clutch assembly. <Ref. to CVT-146, INSTALLATION, Transfer Clutch.>
- 18) Install the rear drive shaft. <Ref. to CVT-140, INSTALLATION, Rear Drive Shaft.>
- 19) Install the extension case. <Ref. to CVT-137, INSTALLATION, Extension Case.>
- 20) Install the transmission harness. <Ref. to CVT-122, INSTALLATION, Transmission Harness.>
- 21) Install the control valve body and oil pan. <Ref. to CVT-114, INSTALLATION, Control Valve Body.>
- 22) Install the air breather hose. <Ref. to CVT-131, INSTALLATION, Air Breather Hose.>
- 23) Install the transmission assembly to the vehicle. <Ref. to CVT-69, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

- 1) Remove the oil pump chain cover. <Ref. to CVT-281, REMOVAL, Oil Pump Chain.>
- 2) Using ST, remove the center support COMPL.
ST 18270KA010 SOCKET (E16)



- 3) Remove the plug and O-ring.



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D: ASSEMBLY

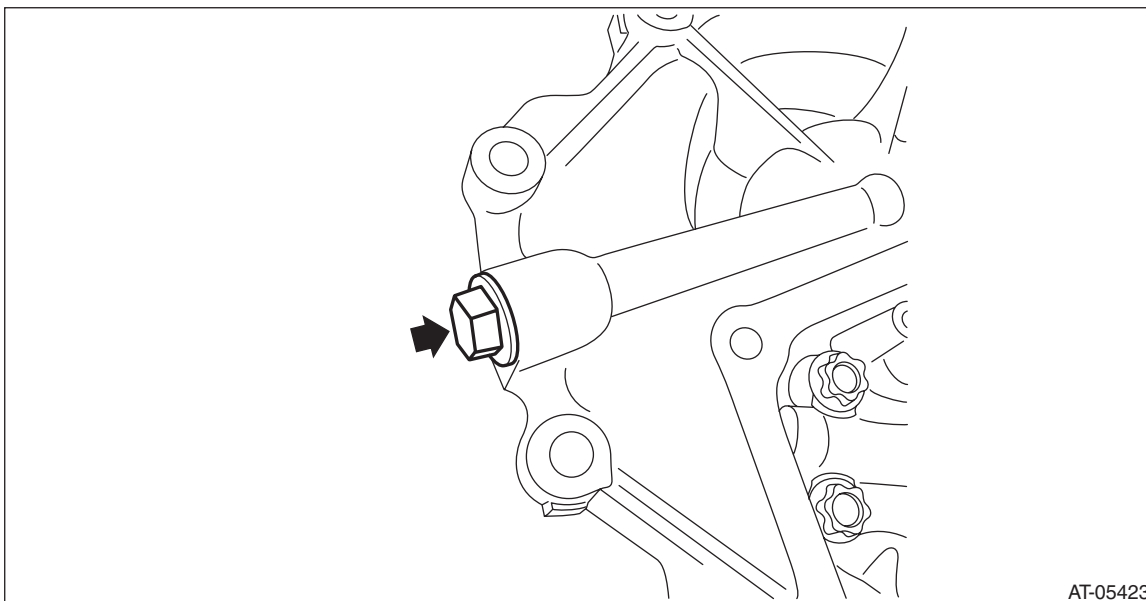
1) Install the plugs.

NOTE:

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

Tightening torque:

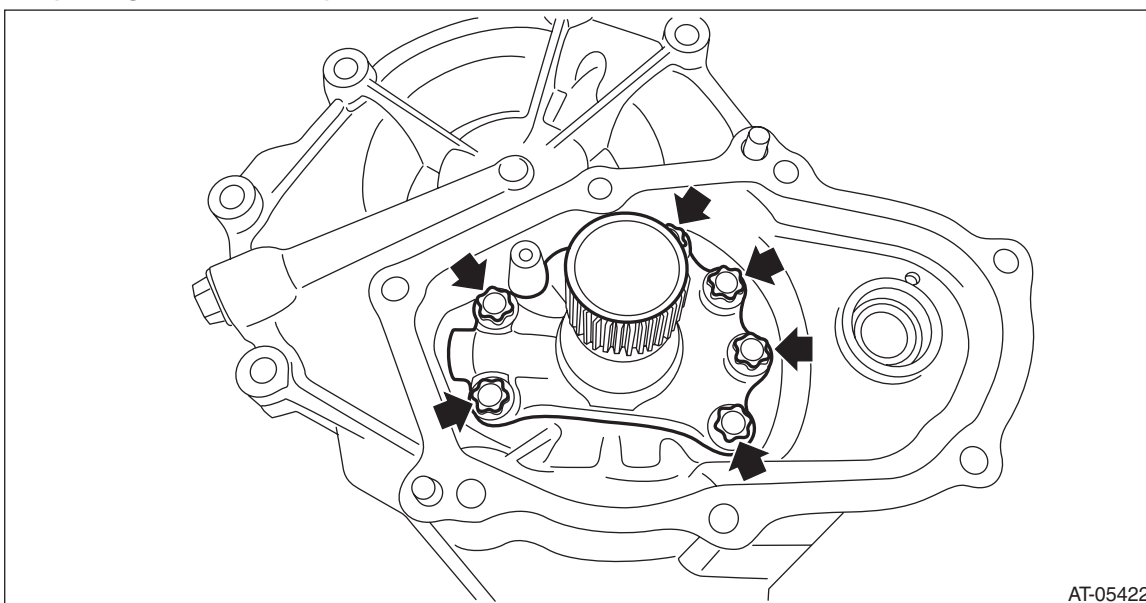
25 N·m (2.5 kgf-m, 18.4 ft-lb)



2) Using ST, install the center support COMPL.
ST 18270KA010 SOCKET (E16)

Tightening torque:

21.5 N·m (2.2 kgf-m, 15.9 ft-lb)



3) Install the oil pump chain cover. <Ref. to CVT-283, INSTALLATION, Oil Pump Chain.>

E: INSPECTION

- Check for leakage of CVTF from the connection between converter case and converter case cover.
- Check there is no damage or cracks on the converter case cover.

F: ADJUSTMENT

When replacing the converter case cover, select the following shims.

- Select the shim for front reduction drive gear. <Ref. to CVT-301, ADJUSTMENT, Front Reduction Drive Gear.>
- Select the shim for front reduction driven gear. <Ref. to CVT-310, ADJUSTMENT, Front Reduction Driven Gear.>