

Intermediate Case

CONTINUOUSLY VARIABLE TRANSMISSION

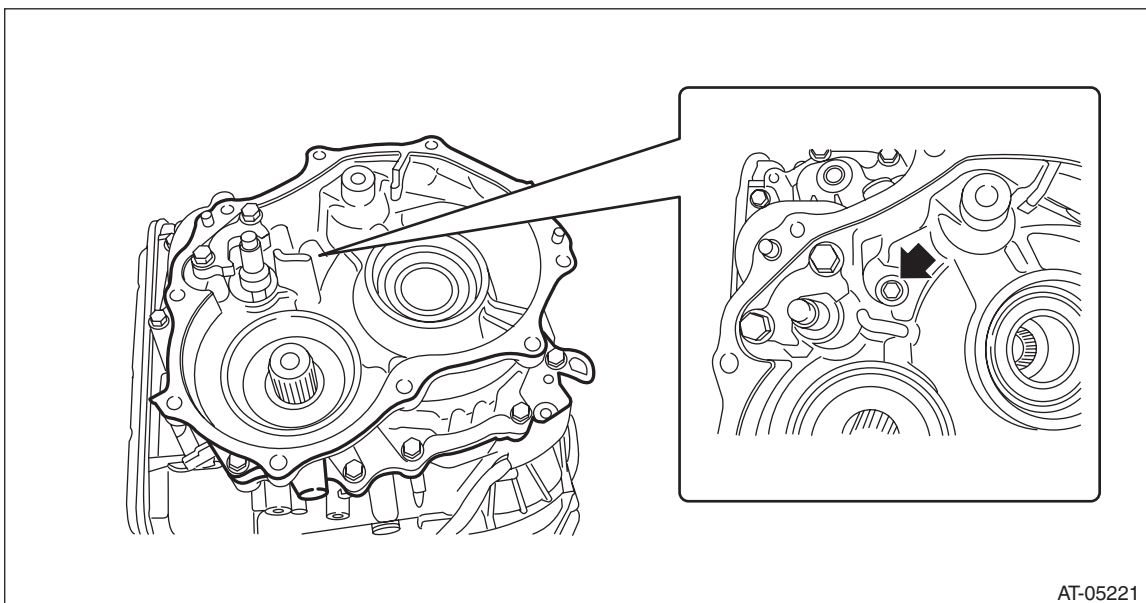
33. Intermediate Case

A: REMOVAL

- 1) Remove the transmission assembly from vehicle body. <Ref. to CVT-55, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the extension case. <Ref. to CVT-137, REMOVAL, Extension Case.>
- 3) Remove the rear drive shaft. <Ref. to CVT-140, REMOVAL, Rear Drive Shaft.>
- 4) Remove the transfer clutch assembly. <Ref. to CVT-145, REMOVAL, Transfer Clutch.>
- 5) Remove the transfer reduction driven gear assembly. <Ref. to CVT-157, REMOVAL, Transfer Reduction Driven Gear.>
- 6) Remove the intermediate case.

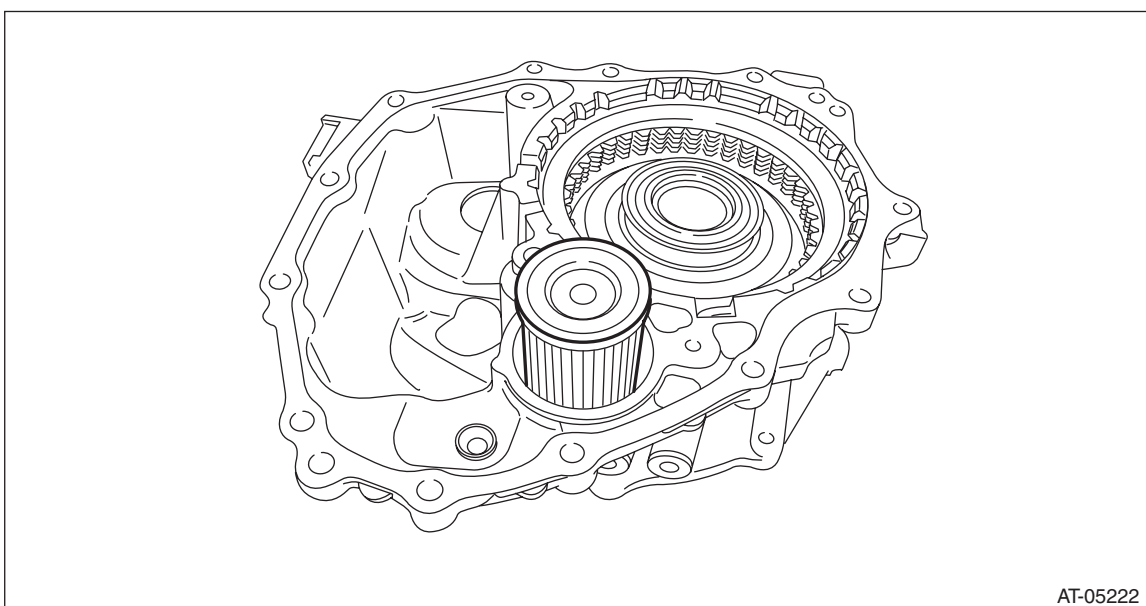
NOTE:

- The total number of intermediate case mounting bolts is 14.
- Inside the transmission is a single bolt (arrowed).



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- 7) Remove the CVTF filter.

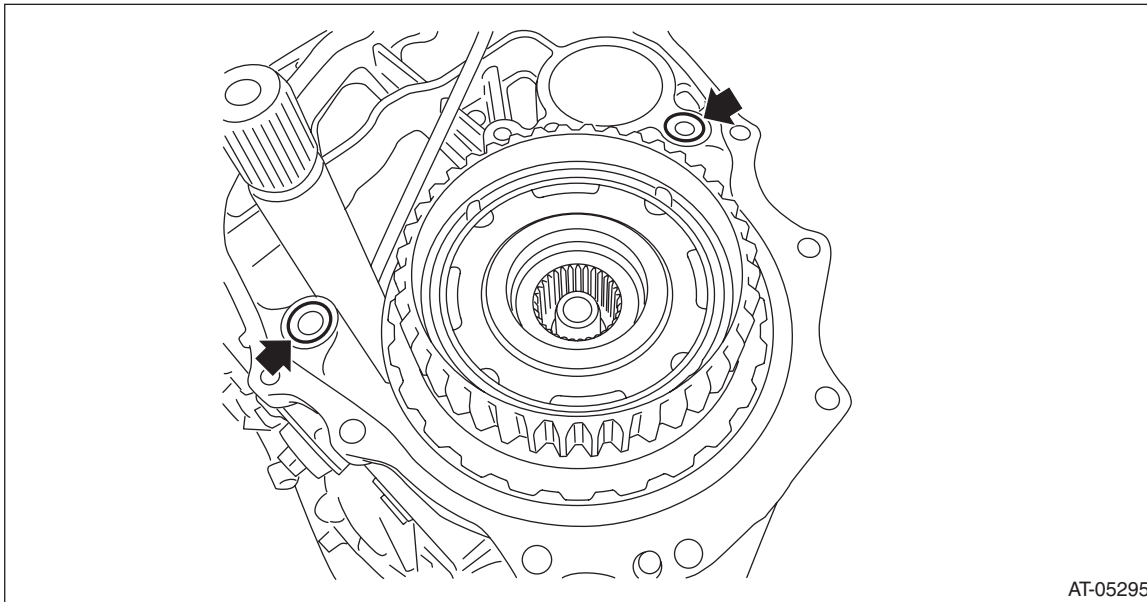


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8) Remove the O-ring from the transmission case.

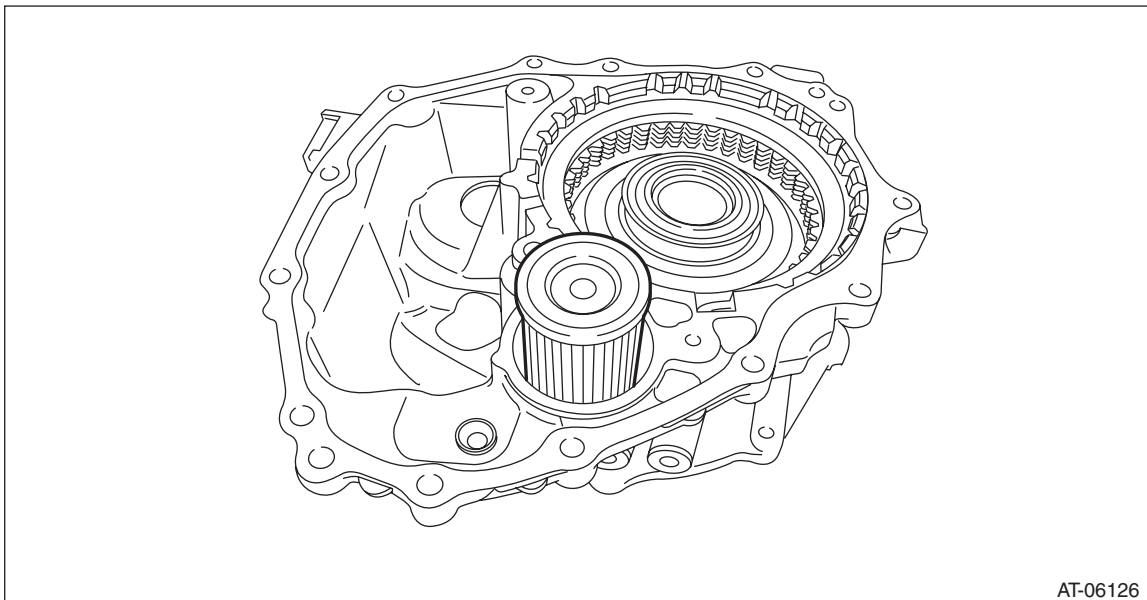


B: INSTALLATION

- 1) Clean the mating surface of intermediate case and transmission case.
- 2) Face the O-ring side of the VTF filter to the intermediate case side, and install the CVTF filter.

NOTE:

Apply CVTF to the O-ring.



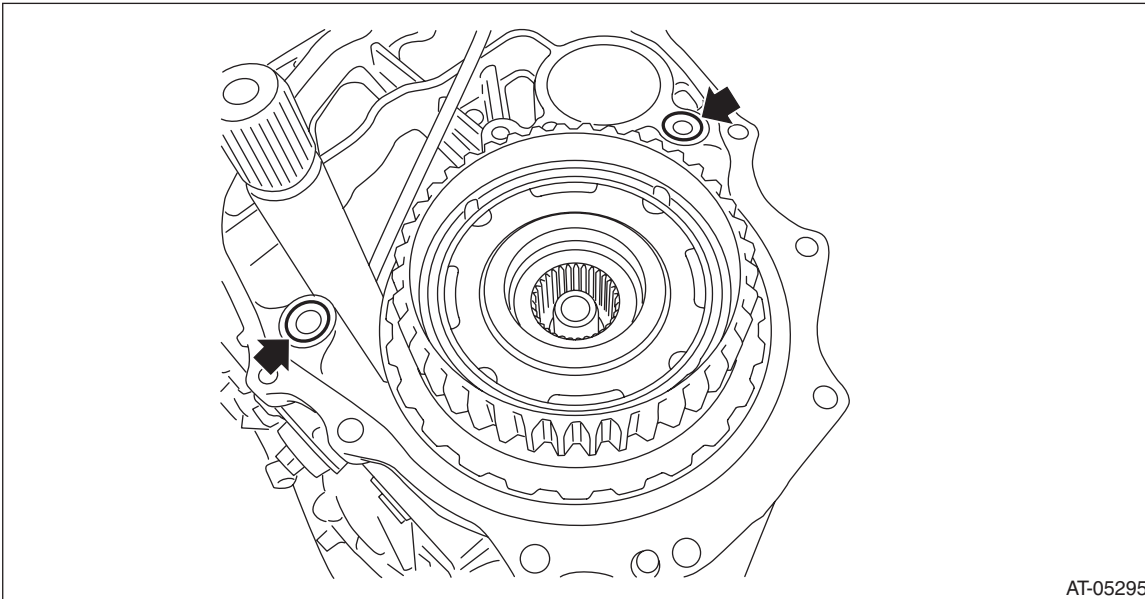
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3) Install the O-ring to the transmission case.

NOTE:

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

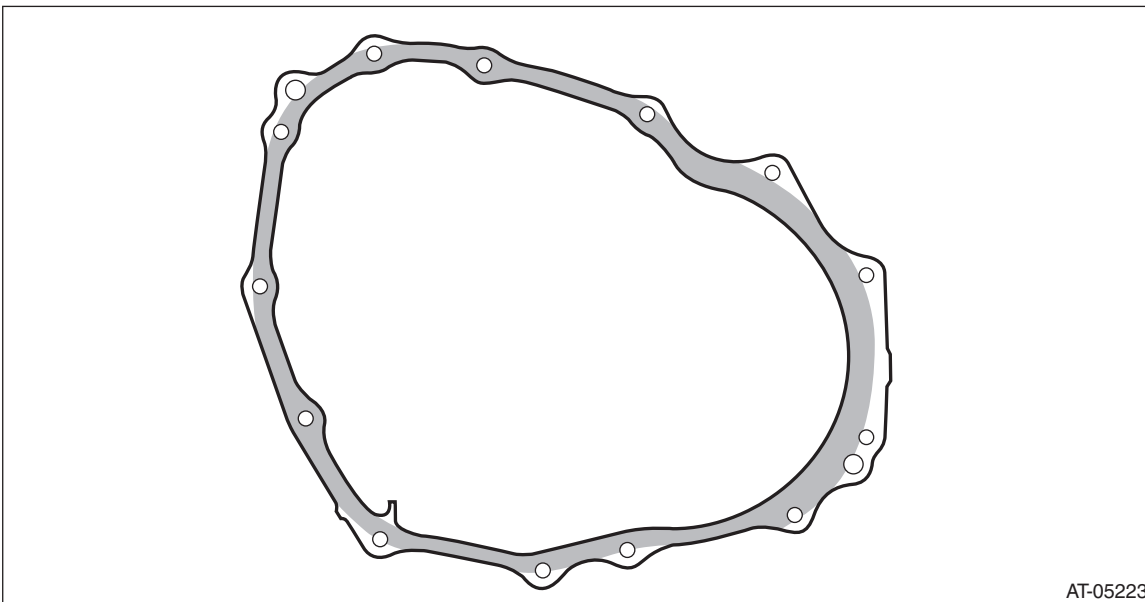


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4) Apply liquid gasket to intermediate case seamlessly.

Liquid gasket:

THREE BOND 1215 (Part No. 004403007) or equivalent



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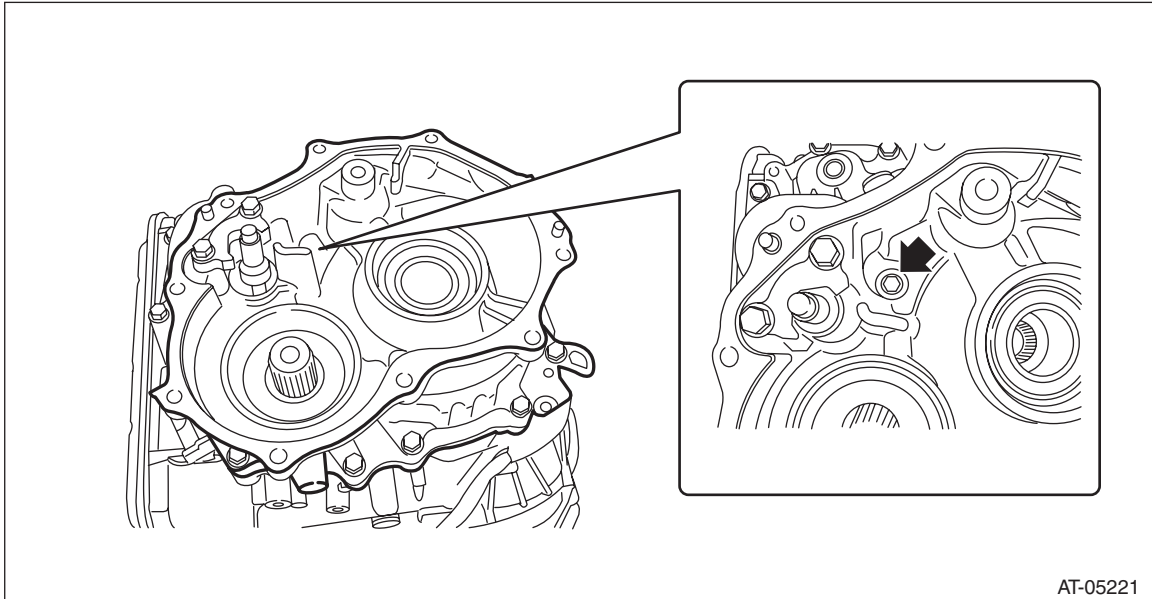
5) Install the intermediate case and the transmission hanger to the transmission case.

NOTE:

Make sure to install the arrowed bolt.

Tightening torque:

25 N·m (2.5 kgf·m, 18.4 ft·lb)



6) Install the transfer reduction driven gear assembly. <Ref. to CVT-157, INSTALLATION, Transfer Reduction Driven Gear.>

7) Install the transfer clutch assembly. <Ref. to CVT-146, INSTALLATION, Transfer Clutch.>

8) Install the rear drive shaft. <Ref. to CVT-140, INSTALLATION, Rear Drive Shaft.>

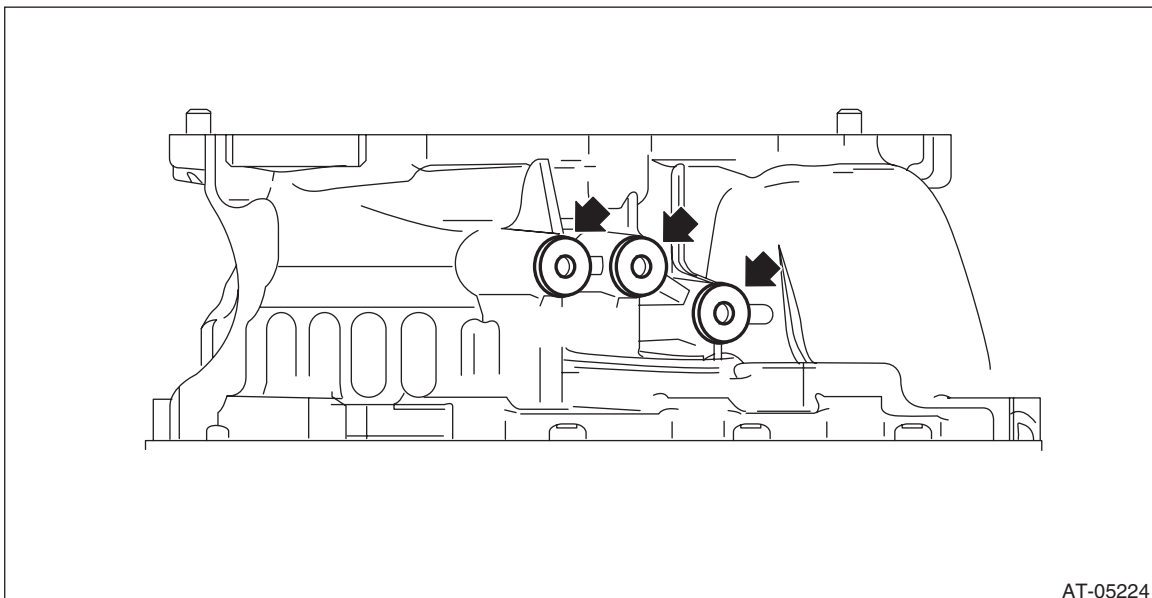
9) Install the extension case. <Ref. to CVT-137, INSTALLATION, Extension Case.>

10) Install the transmission to vehicle. <Ref. to CVT-69, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

1) Remove the CVTF filler plug.

2) Remove all plugs from intermediate case.



3) Remove the reverse brake assembly. <Ref. to CVT-170, DISASSEMBLY, Reverse Brake Assembly.>

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D: ASSEMBLY

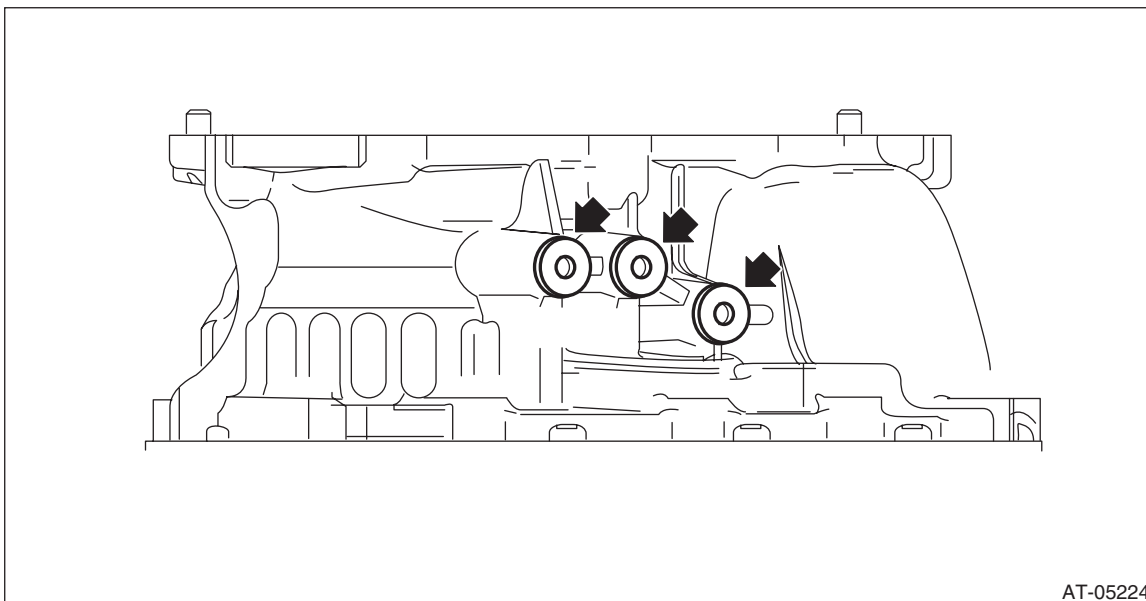
- 1) Install the reverse brake. <Ref. to CVT-173, ASSEMBLY, Reverse Brake Assembly.>
- 2) install all plugs to intermediate case.

Tightening torque:

25 N·m (2.5 kgf·m, 18.4 ft·lb)

NOTE:

Use new O-rings.



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- 3) Install the CVTF filler plug.

NOTE:

Replace the gasket of CVTF filler plug with a new part after installing the transmission assembly to vehicle and adjusting CVTF fluid.

E: INSPECTION

- Check the intermediate case for fissures, cracks or damage.
- Check for leakage of CVTF from the connections between intermediate case and transmission case, and between intermediate case and extension case.