

Extension Case

CONTINUOUSLY VARIABLE TRANSMISSION

32.Extension Case

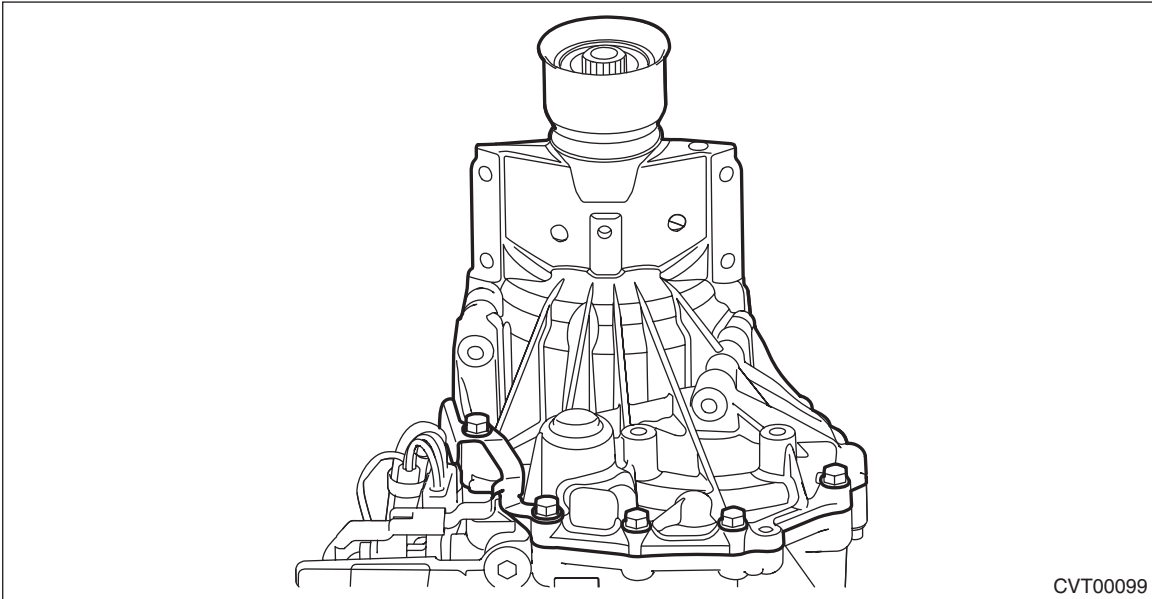
A: REMOVAL

1) Remove the transmission assembly from the vehicle. <Ref. to CVT(TH58A)-63, REMOVAL, Automatic Transmission Assembly.>

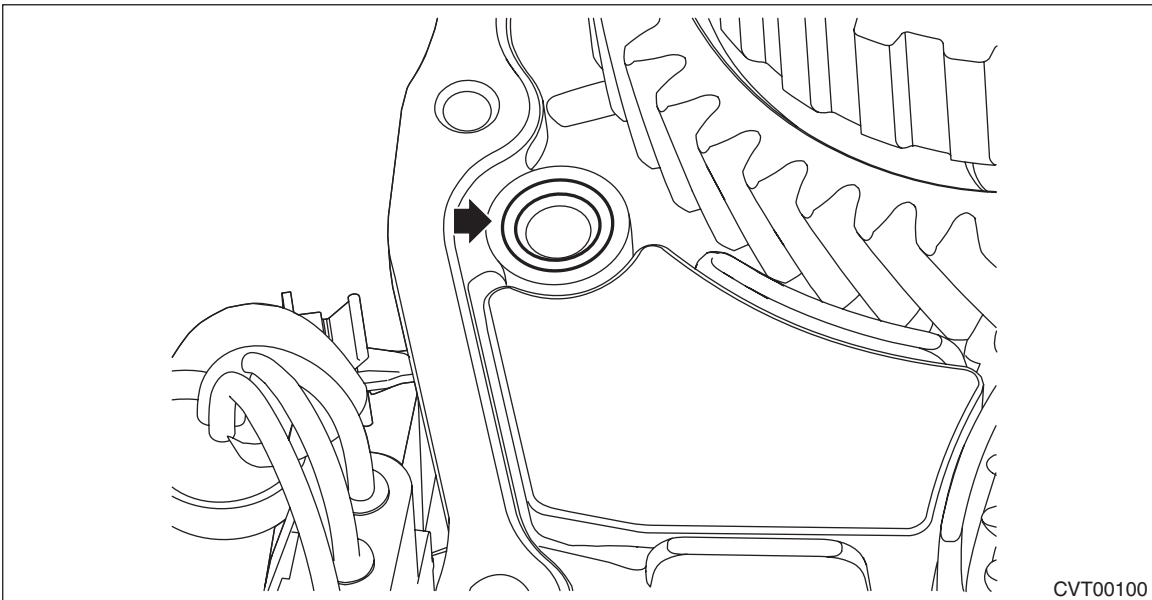
2) Remove the extension case and the clip.

NOTE:

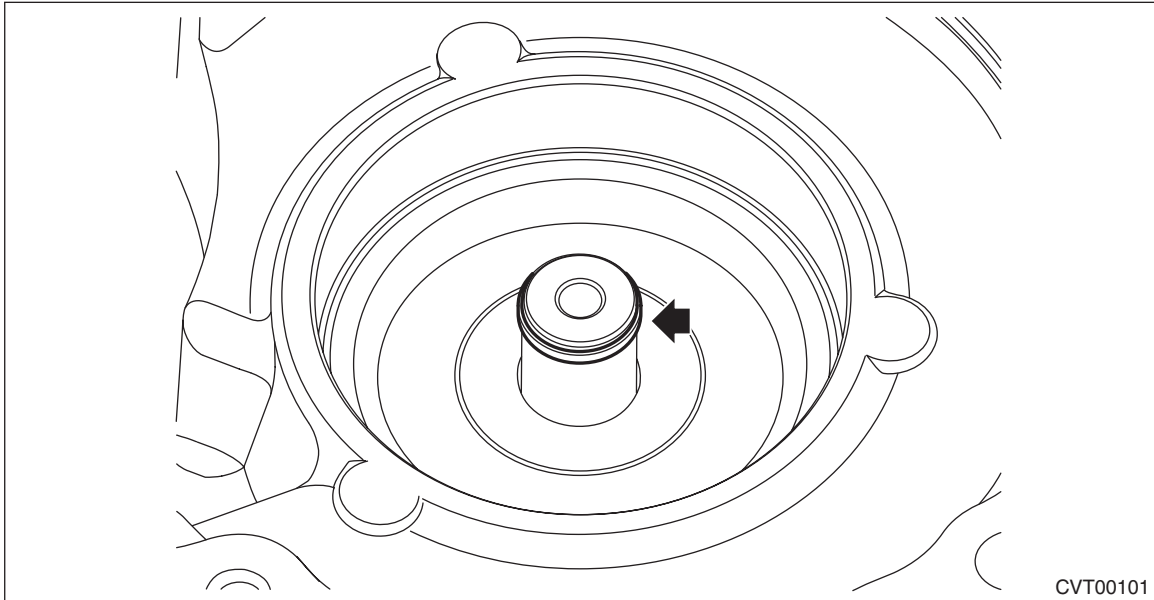
The total number of extension case mounting bolts is 12.



3) Remove the O-ring.



4) Remove the seal ring.

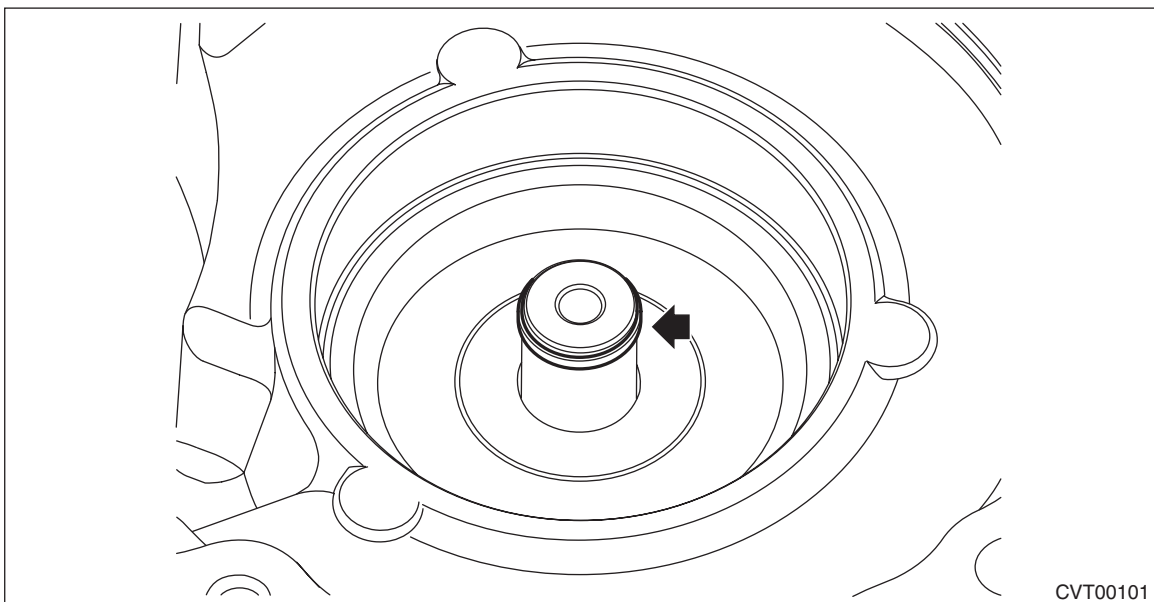


B: INSTALLATION

- 1) Clean the mating surface of extension case and transmission case.
- 2) Select the transfer drive gear shim. <Ref. to CVT(TH58A)-261, ADJUSTMENT, Reduction Drive Gear.>
- 3) Select the transfer driven gear shim. <Ref. to CVT(TH58A)-198, ADJUSTMENT, Transfer Clutch.>
- 4) Attach the selected transfer drive gear shim to extension case with vaseline.
- 5) Attach the selected transfer driven gear shim to extension case with vaseline.
- 6) Install the seal ring to the extension case.

NOTE:

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



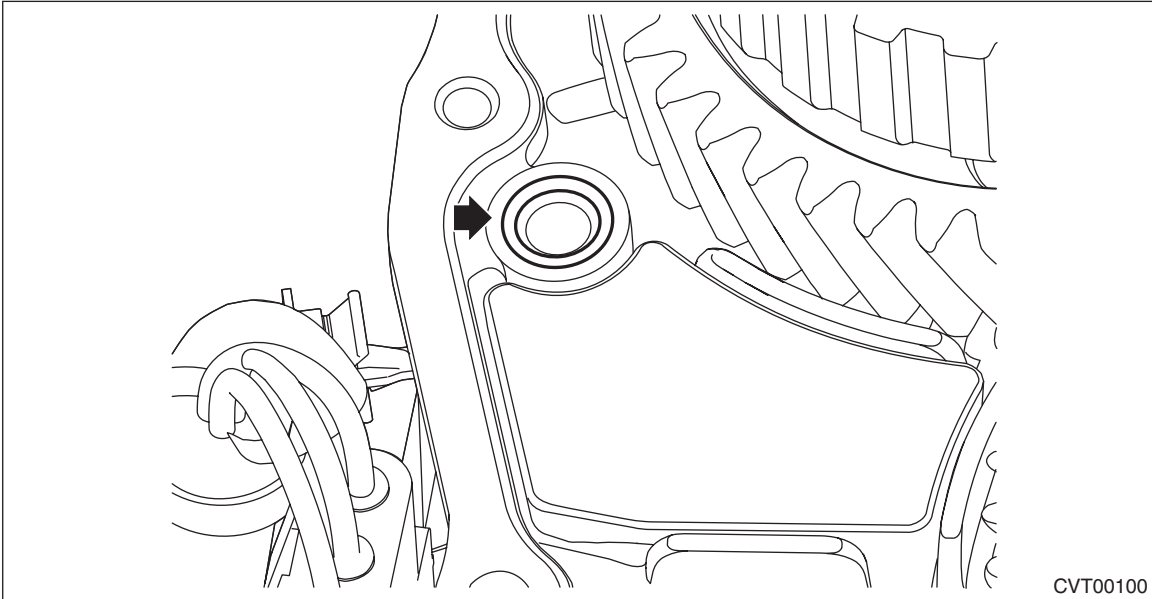
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7) Install the O-ring to the transmission case.

NOTE:

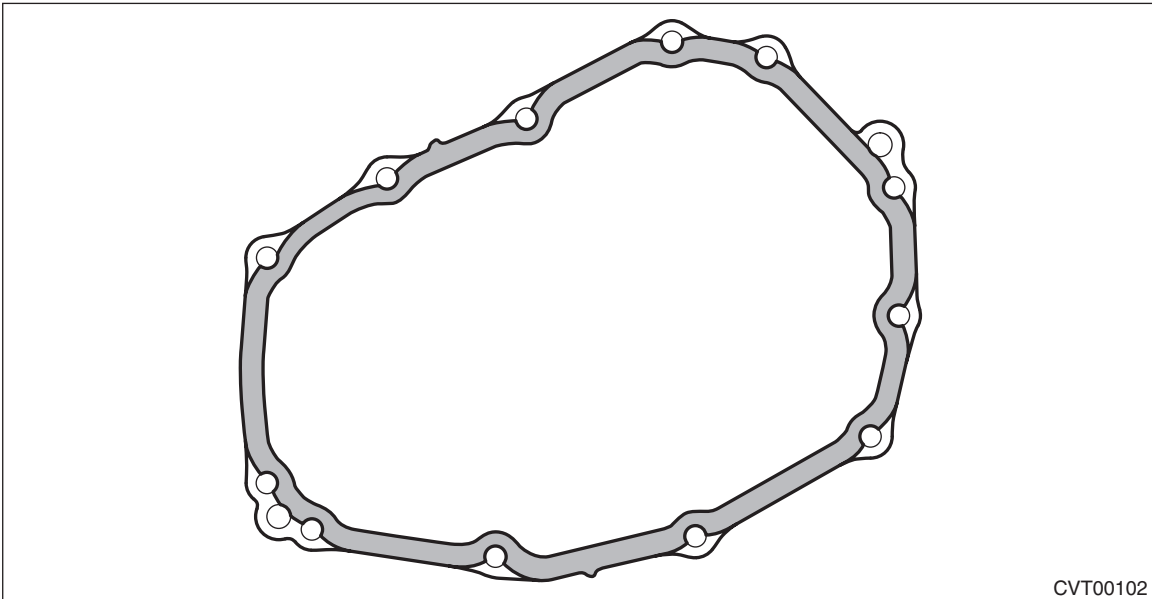
- Use new O-rings.
- Apply CVTF to the O-ring.



8) Apply liquid gasket to the drive motor assembly seamlessly.

Liquid gasket:

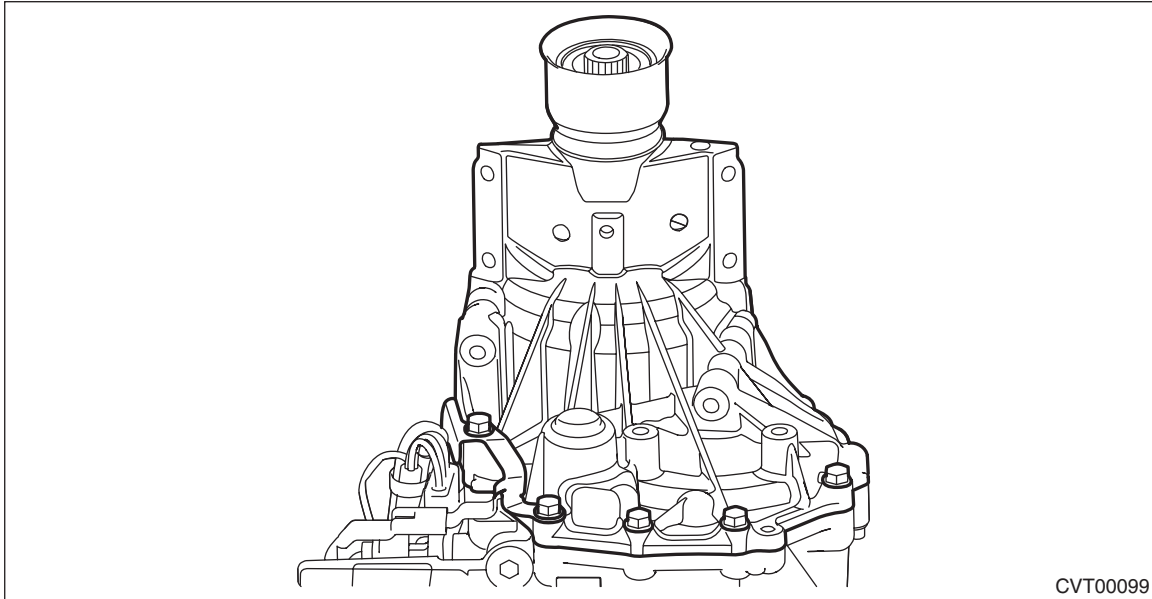
THREE BOND 1215B or equivalent



9) Install the extension case, clip and harness bracket.

Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)



CVT00099

10) Install the transmission assembly. <Ref. to CVT(TH58A)-77, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

- 1) Remove the transmission hanger.
- 2) Remove the dust cover from extension case.
- 3) Remove the extension case oil seal from the extension case.
- 4) Remove all plugs.

D: ASSEMBLY

- 1) Press-fit the dust cover into extension case.
- 2) Install the extension case oil seal to extension case.
- 3) Install all plugs.

NOTE:

- Use a new O-ring or a gasket.
- Apply CVTF to the O-ring.

Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)

- 4) Install the transmission hanger.

Tightening torque:

25 N·m (2.5 kgf-m, 18.4 ft-lb)

E: INSPECTION

- Check there is no leak of CVTF from the joint between extension case and transmission case.
- Check there is no damage or cracks on the extension case and other parts.

F: ADJUSTMENT

NOTE:

When replacing the extension case, select the transfer drive gear shim and transfer driven gear shim. <Ref. to CVT(TH58A)-207, ADJUSTMENT, Transfer Drive Gear.> <Ref. to CVT(TH58A)-198, ADJUSTMENT, Transfer Clutch.>