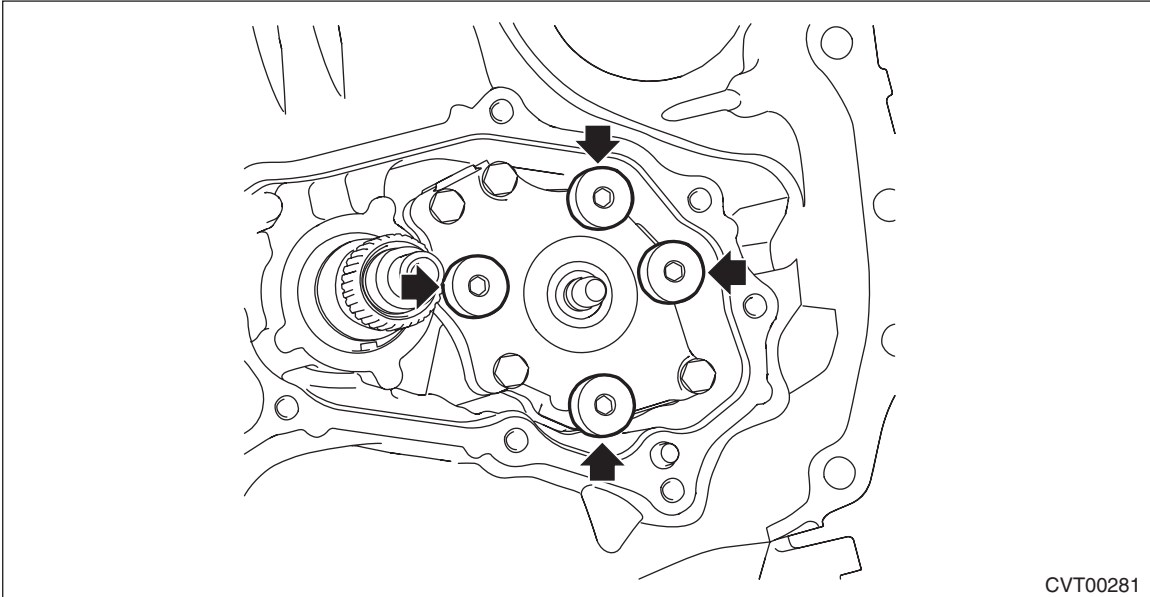


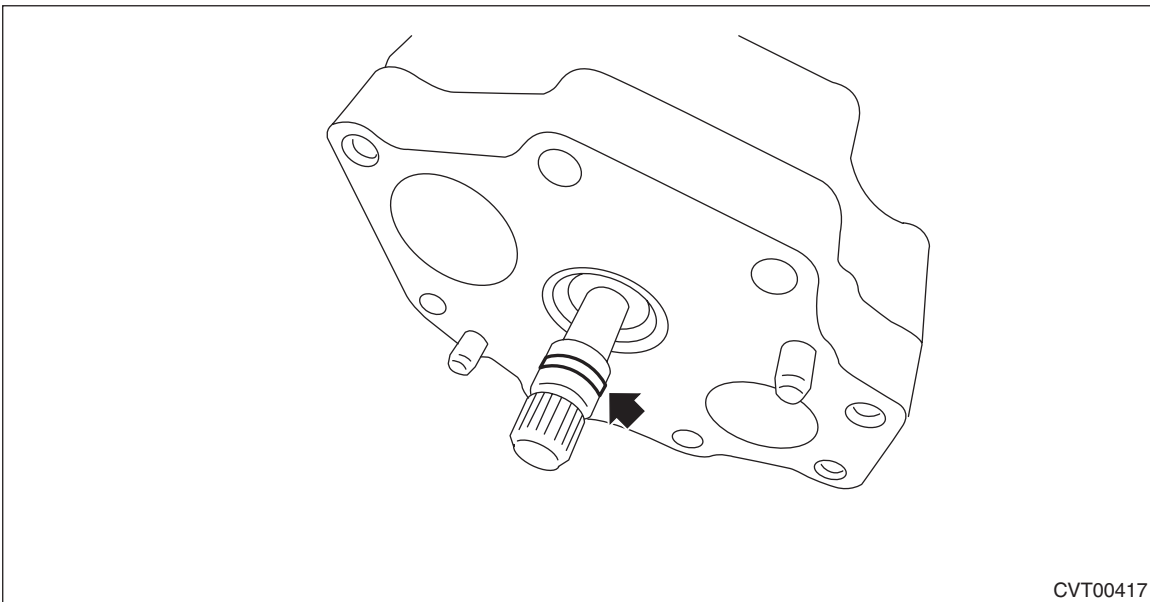
50.Oil Pump

A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT(TH58A)-63, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the torque converter assembly. <Ref. to CVT(TH58A)-178, REMOVAL, Torque Converter Assembly.>
- 3) Remove the oil pump chain cover. <Ref. to CVT(TH58A)-372, REMOVAL, Oil Pump Chain.>
- 4) Remove the oil pump and the plate.



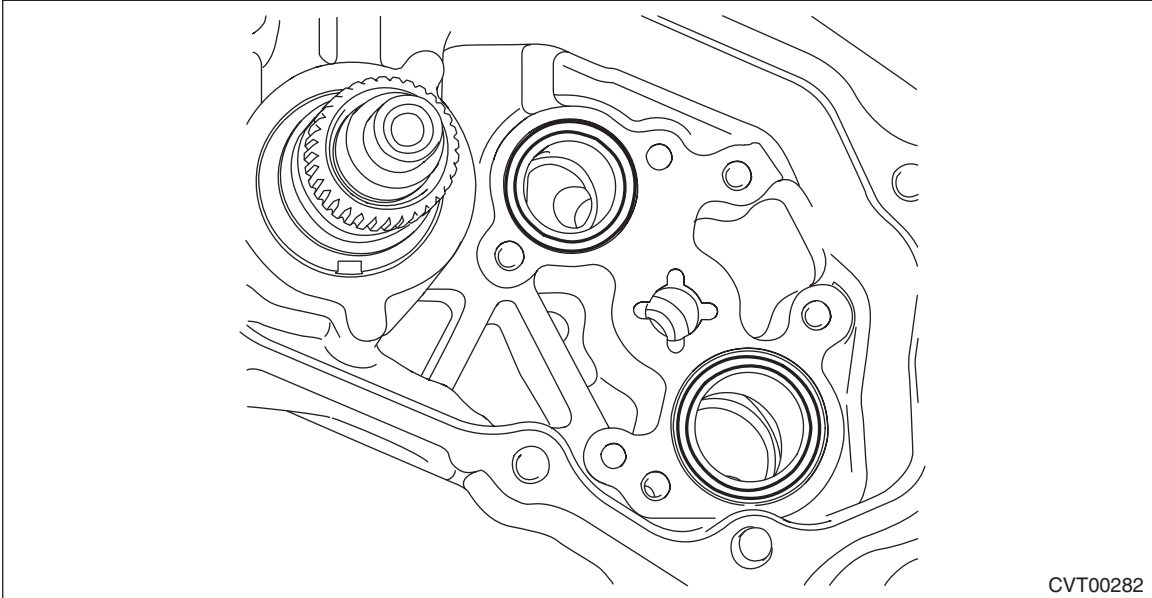
- 5) Remove the O-ring from the oil pump shaft.



Oil Pump

CONTINUOUSLY VARIABLE TRANSMISSION

6) Remove the O-ring.



B: INSTALLATION

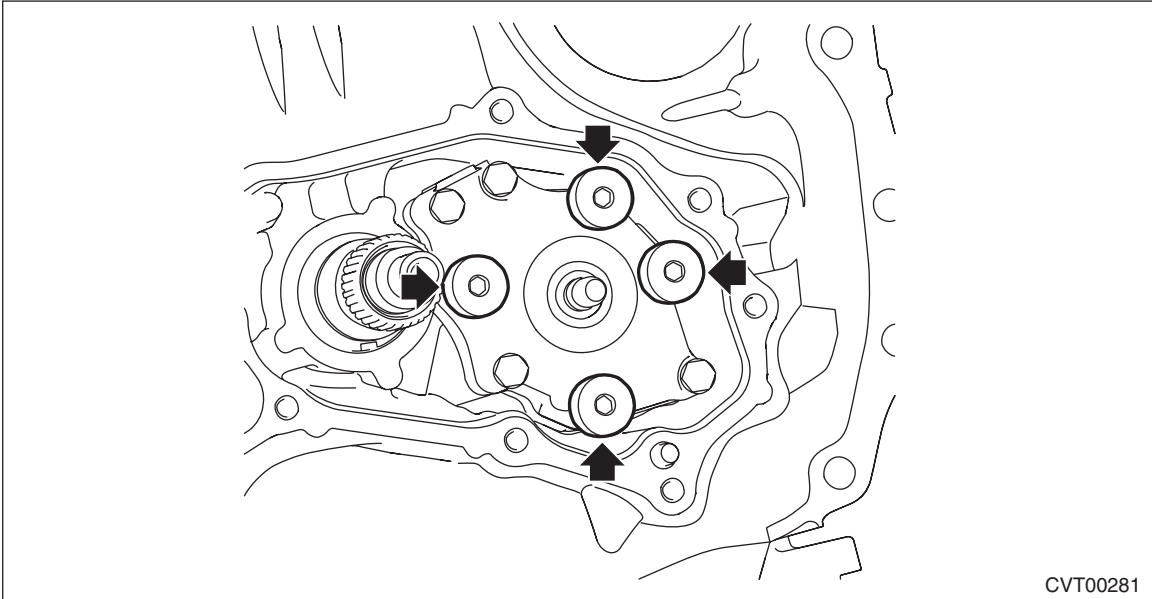
1) Install the plate and the oil pump.

NOTE:

Apply CVTF to the bolt.

Tightening torque:

8.5 N·m (0.9 kgf-m, 6.3 ft-lb)



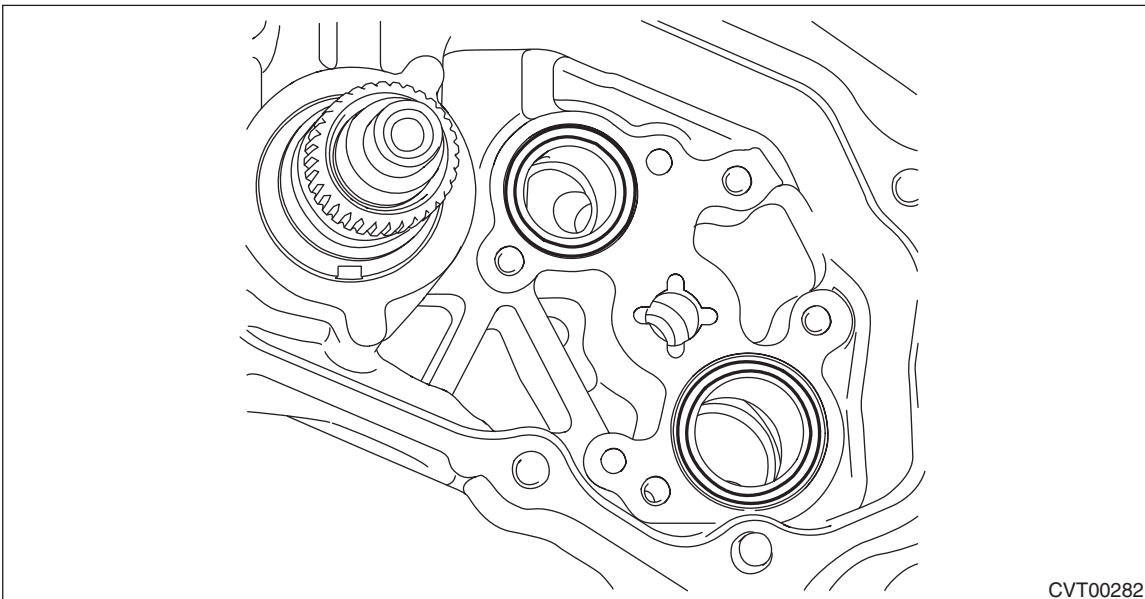
2) Select the oil pump shaft. <Ref. to CVT(TH58A)-387, ADJUSTMENT, Oil Pump.>

3) Remove the oil pump.

4) Install the O-ring.

NOTE:

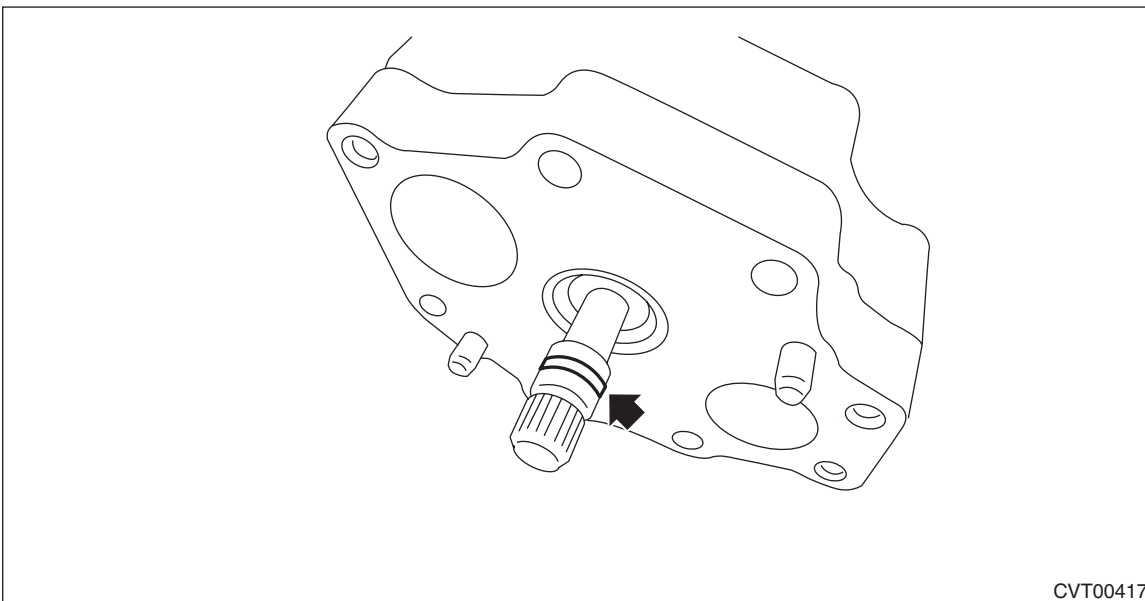
- Use new O-rings.
- Apply CVTF to the O-ring.



5) Install the O-ring to the oil pump shaft.

NOTE:

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



Oil Pump

CONTINUOUSLY VARIABLE TRANSMISSION

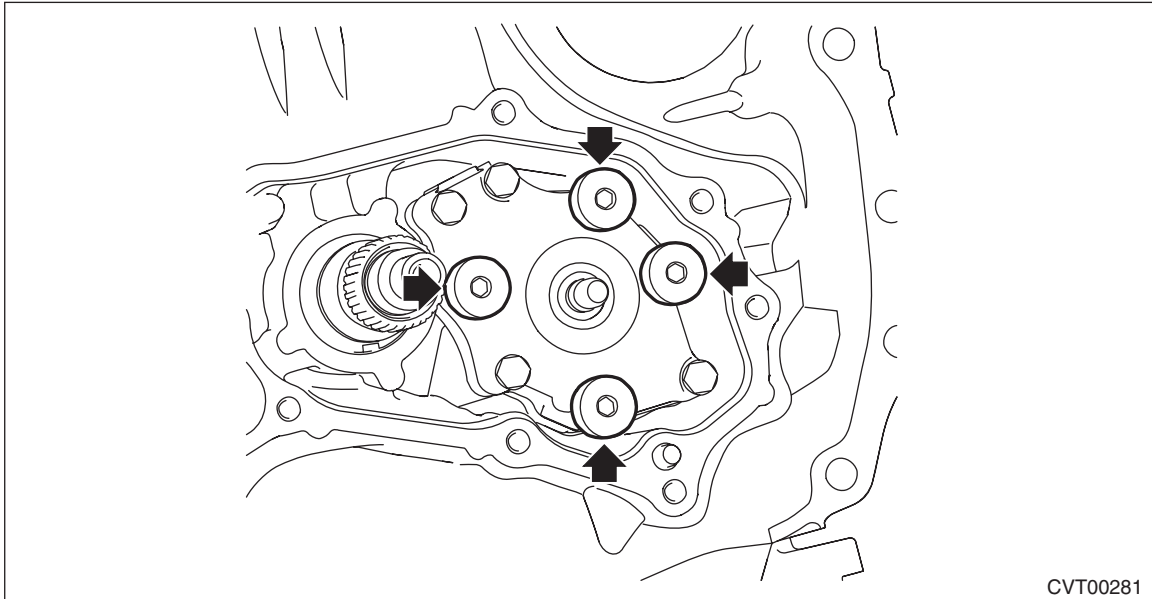
6) Install the plate and the oil pump.

NOTE:

Apply CVTF to the bolt.

Tightening torque:

8.5 N·m (0.9 kgf-m, 6.3 ft-lb)



7) Install the oil pump chain cover. <Ref. to CVT(TH58A)-376, INSTALLATION, Oil Pump Chain.>

8) Install the selected oil pump shaft, and assemble the transmission assembly. <Ref. to CVT(TH58A)-290, INSTALLATION, Reverse Brake Assembly.>

9) Install the torque converter assembly. <Ref. to CVT(TH58A)-179, INSTALLATION, Torque Converter Assembly.>

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

C: INSPECTION

Check the following items.

- Check the oil pump for damage and wear.
- Rotate the oil pump by hand, and check that it rotates smoothly.

1) Measure the secondary pressure. <Ref. to CVT(TH58A)-54, INSPECTION, Secondary Pressure (Line Pressure) Test.>

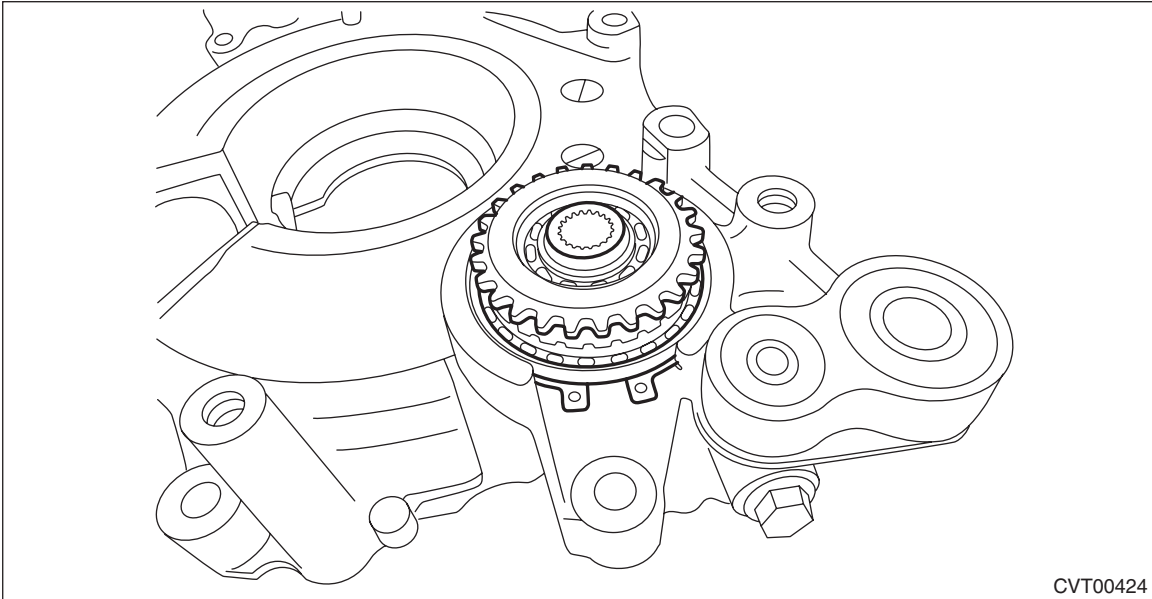
2) Remove the oil pan and oil strainer. <Ref. to CVT(TH58A)-115, REMOVAL, Control Valve Body.>

3) Check oil strainer for clogging.

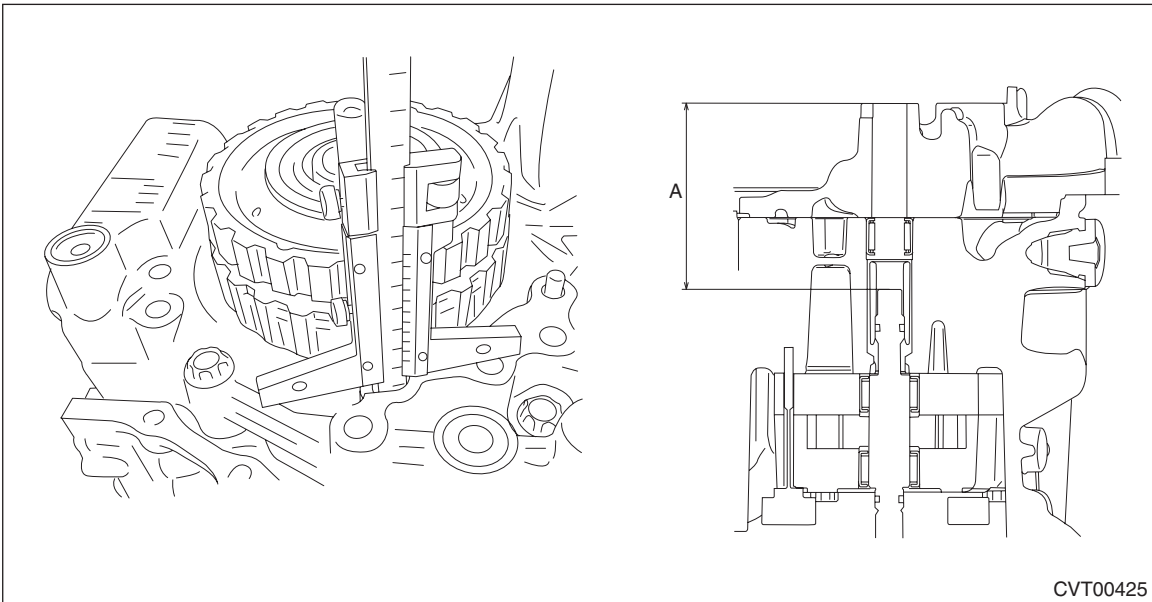
When oil strainer has no clogging, replace the oil pump.

D: ADJUSTMENT

- 1) Remove the reverse brake assembly. <Ref. to CVT(TH58A)-287, REMOVAL, Reverse Brake Assembly.>
- 2) Install the oil pump sprocket rear to the reverse brake housing.



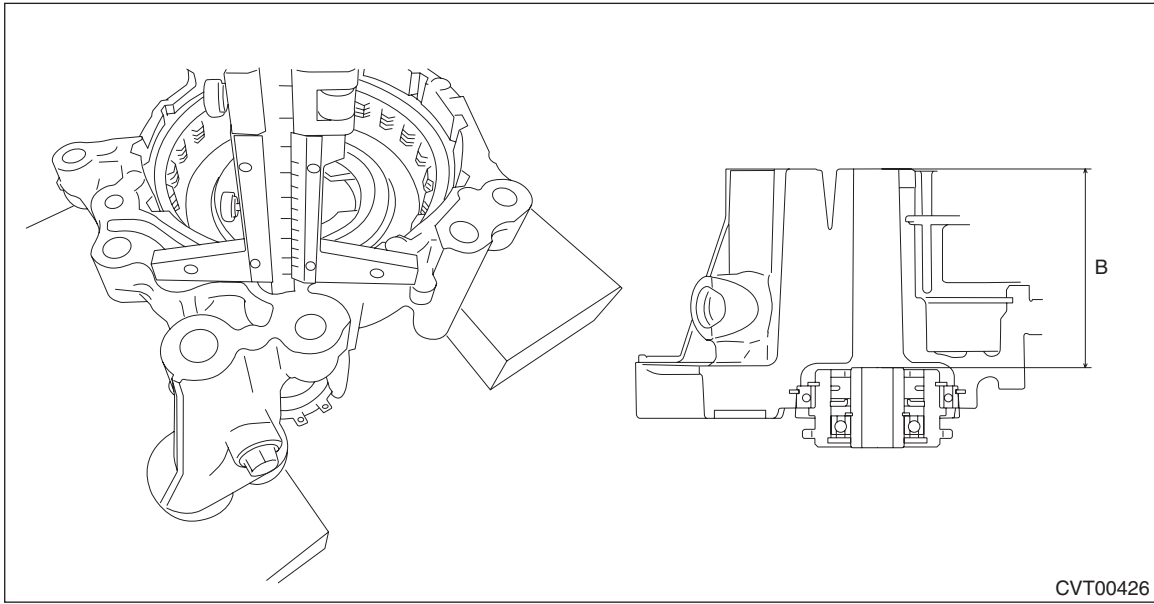
- 3) Measure the height "A" from the drive pinion retainer to the oil pump.



Oil Pump

CONTINUOUSLY VARIABLE TRANSMISSION

4) Measure the depth “B” from the mating surface of the reverse brake housing and the drive pinion retainer to the oil pump sprocket rear inner race.



5) Calculate the following formula and select the oil pump shaft.

$$T \text{ mm} = A + B$$

$$[T \text{ in} = A + B]$$

T: Distance from oil pump to oil pump sprocket rear inner race

A: Height from reverse brake housing mating surface to oil pump

B: Depth from drive pinion retainer mating surface to oil pump sprocket rear inner race

T mm (in)	Part No.
141.6 — 141.8(5.575 — 5.583)	31359AA220
141.8 — 142.0(5.583 — 5.591)	31359AA230
142.0 — 142.2(5.591 — 5.598)	31359AA240
142.2 — 142.4(5.598 — 5.606)	31359AA250
142.4 — 142.6(5.606 — 5.614)	31359AA260
142.6 — 142.8(5.614 — 5.622)	31359AA270
142.8 — 143.0(5.622 — 5.630)	31359AA280
143.0 — 143.2(5.630 — 5.638)	31359AA290