

50. Converter Case

A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT-54, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the air breather hose. <Ref. to CVT-134, REMOVAL, Air Breather Hose.>
- 3) Remove the oil pan and control valve body. <Ref. to CVT-109, REMOVAL, Control Valve Body.>
- 4) Remove the transmission harness. <Ref. to CVT-119, REMOVAL, Transmission Harness.>
- 5) Remove the secondary pressure sensor. <Ref. to CVT-107, REMOVAL, Secondary Pressure Sensor.>
- 6) Remove the primary speed sensor. <Ref. to CVT-103, REMOVAL, Primary Speed Sensor.>
- 7) Remove the extension case. <Ref. to CVT-140, REMOVAL, Extension Case.>
- 8) Remove the rear drive shaft. <Ref. to CVT-143, REMOVAL, Rear Drive Shaft.>
- 9) Remove the transfer clutch assembly. <Ref. to CVT-148, REMOVAL, Transfer Clutch.>
- 10) Remove the transfer reduction driven gear assembly. <Ref. to CVT-160, REMOVAL, Transfer Reduction Driven Gear.>
- 11) Remove the intermediate case. <Ref. to CVT-167, REMOVAL, Intermediate Case.>
- 12) Remove the forward clutch assembly. <Ref. to CVT-182, REMOVAL, Forward Clutch Assembly.>
- 13) Remove the reduction driven gear. <Ref. to CVT-202, REMOVAL, Reduction Driven Gear.>
- 14) Remove the transmission case. <Ref. to CVT-213, REMOVAL, Transmission Case.>
- 15) Remove the primary pulley, secondary pulley and variator chain. <Ref. to CVT-227, REMOVAL, Primary Pulley and Secondary Pulley.>
- 16) Remove the drive pinion shaft assembly. <Ref. to CVT-243, REMOVAL, Drive Pinion Shaft Assembly.>
- 17) Remove the front differential assembly. <Ref. to CVT-264, REMOVAL, Front Differential Assembly.>
- 18) Remove the converter case cover. <Ref. to CVT-290, REMOVAL, Converter Case Cover.>
- 19) Remove the front reduction drive gear and front reduction driven gear. <Ref. to CVT-298, REMOVAL, Front Reduction Drive Gear.>

B: INSTALLATION

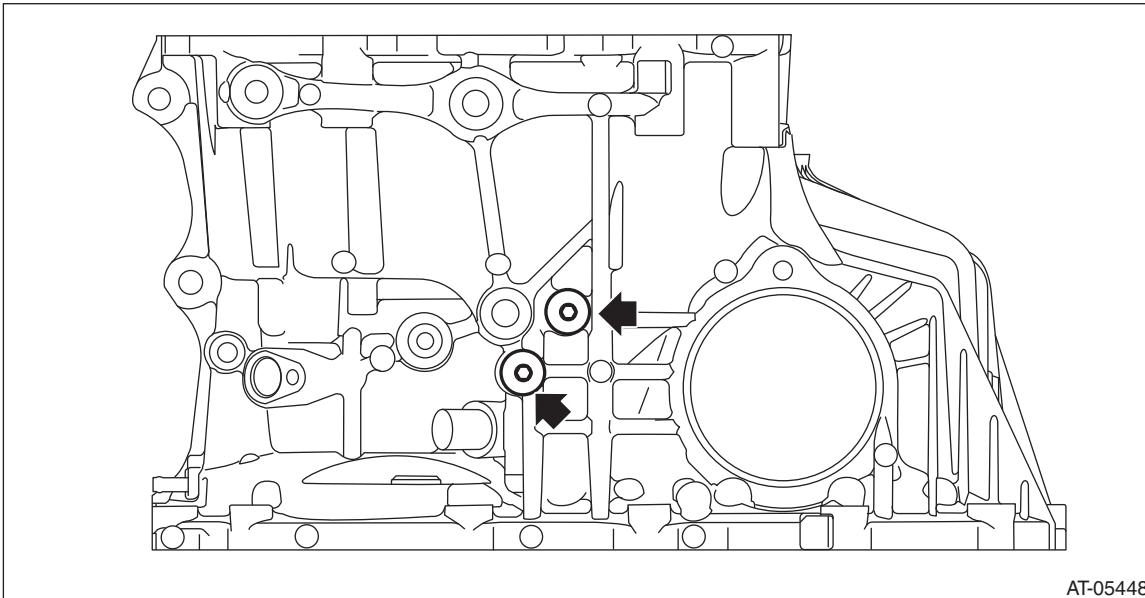
- 1) Install the front reduction drive gear and front reduction driven gear. <Ref. to CVT-299, INSTALLATION, Front Reduction Drive Gear.>
- 2) Install the converter case cover. <Ref. to CVT-292, INSTALLATION, Converter Case Cover.>
- 3) Install the front differential assembly. <Ref. to CVT-265, INSTALLATION, Front Differential Assembly.>
- 4) Install the drive pinion shaft assembly. <Ref. to CVT-245, INSTALLATION, Drive Pinion Shaft Assembly.>
- 5) Install the primary pulley, secondary pulley and steel chain. <Ref. to CVT-231, INSTALLATION, Primary Pulley and Secondary Pulley.>
- 6) Install the transmission case. <Ref. to CVT-215, INSTALLATION, Transmission Case.>
- 7) Install the reduction driven gear. <Ref. to CVT-203, INSTALLATION, Reduction Driven Gear.>
- 8) Install the forward clutch assembly. <Ref. to CVT-183, INSTALLATION, Forward Clutch Assembly.>
- 9) Install the intermediate case. <Ref. to CVT-168, INSTALLATION, Intermediate Case.>
- 10) Install the transfer reduction driven gear. <Ref. to CVT-160, INSTALLATION, Transfer Reduction Driven Gear.>
- 11) Install the transfer clutch assembly. <Ref. to CVT-149, INSTALLATION, Transfer Clutch.>
- 12) Install the rear drive shaft. <Ref. to CVT-143, INSTALLATION, Rear Drive Shaft.>
- 13) Install the extension case. <Ref. to CVT-140, INSTALLATION, Extension Case.>
- 14) Install the primary speed sensor. <Ref. to CVT-103, INSTALLATION, Primary Speed Sensor.>
- 15) Install the secondary pressure sensor. <Ref. to CVT-107, INSTALLATION, Secondary Pressure Sensor.>
- 16) Install the transmission harness. <Ref. to CVT-121, INSTALLATION, Transmission Harness.>
- 17) Install the control valve body and oil pan. <Ref. to CVT-113, INSTALLATION, Control Valve Body.>
- 18) Install the air breather hose. <Ref. to CVT-134, INSTALLATION, Air Breather Hose.>
- 19) Install the transmission assembly to the vehicle. <Ref. to CVT-69, INSTALLATION, Automatic Transmission Assembly.>

Converter Case

CONTINUOUSLY VARIABLE TRANSMISSION

C: DISASSEMBLY

- 1) Remove the transmission hanger and transmission radio ground cord.
- 2) Remove the oil drain plug and overflow drain plug. <Ref. to CVT-42, REPLACEMENT, Differential Gear Oil.>
- 3) Remove all plugs.



D: ASSEMBLY

- 1) Install the oil drain plug and overflow drain plug.

NOTE:

Overflow plug of differential gear oil is temporarily attached.

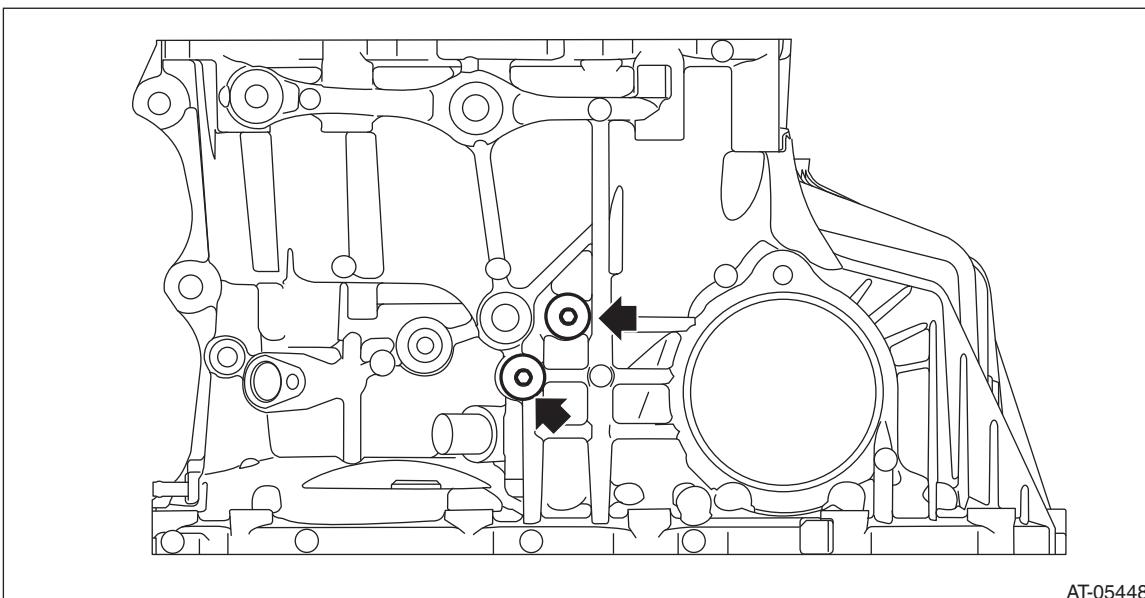
- 2) Install all plugs.

NOTE:

Use new O-rings.

Tightening torque:

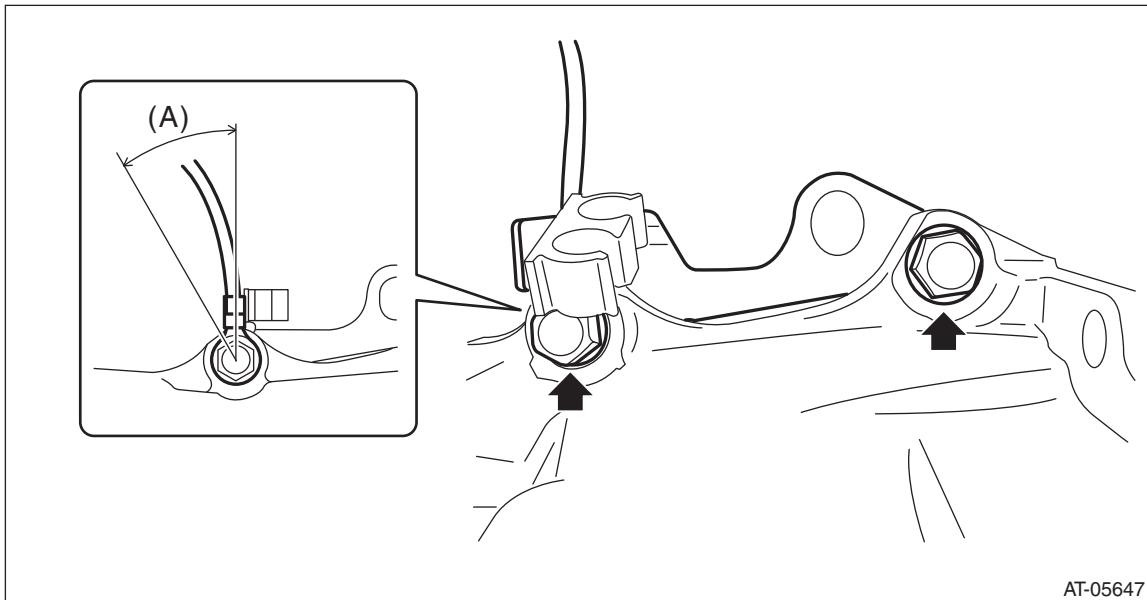
25 N·m (2.5 kgf·m, 18.4 ft-lb)



3) Install the transmission hanger and transmission radio ground cord.

Tightening torque:

41 N·m (4.2 kgf·m, 30.2 ft-lb)



(A) Install within the range of 30° approximately.

E: INSPECTION

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

F: ADJUSTMENT

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

- Select the shim for front reduction drive gear. <Ref. to CVT-303, ADJUSTMENT, Front Reduction Drive Gear.>
- Select the shim for front reduction driven gear. <Ref. to CVT-312, ADJUSTMENT, Front Reduction Driven Gear.>
- Select shims for primary pulley. <Ref. to CVT-237, ADJUSTMENT, Primary Pulley and Secondary Pulley.>