

45. Converter Case

A: REMOVAL

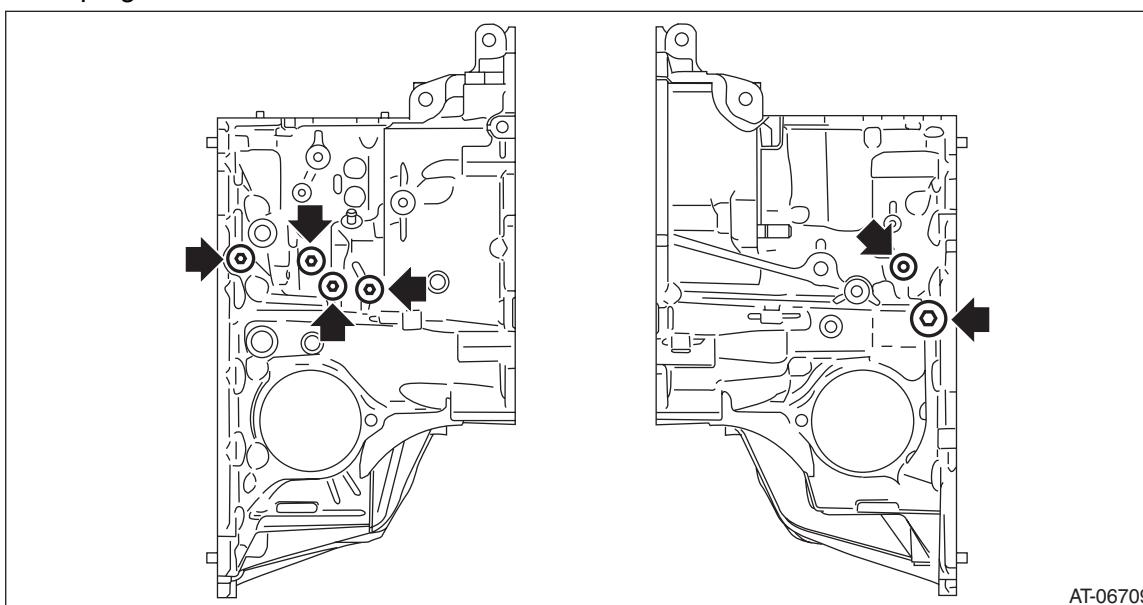
- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT-56, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the air breather hose. <Ref. to CVT-148, REMOVAL, Air Breather Hose.>
- 3) Remove the control valve body. <Ref. to CVT-110, REMOVAL, Control Valve Body.>
- 4) Remove the transmission harness. <Ref. to CVT-124, REMOVAL, Transmission Harness.>
- 5) Remove the turbine speed sensor. <Ref. to CVT-97, REMOVAL, Turbine Speed Sensor.>
- 6) Remove the secondary speed sensor. <Ref. to CVT-99, REMOVAL, Secondary Speed Sensor.>
- 7) Remove the primary speed sensor. <Ref. to CVT-101, REMOVAL, Primary Speed Sensor.>
- 8) Remove the inhibitor switch. <Ref. to CVT-93, REMOVAL, Inhibitor Switch.>
- 9) Remove the extension case. <Ref. to CVT-156, REMOVAL, Extension Case.>
- 10) Remove the transfer clutch assembly. <Ref. to CVT-160, REMOVAL, Transfer Clutch.>
- 11) Remove the transfer driven gear assembly. <Ref. to CVT-174, REMOVAL, Transfer Driven Gear.>
- 12) Remove the parking pawl. <Ref. to CVT-177, REMOVAL, Parking Pawl.>
- 13) Remove the reduction driven gear assembly. <Ref. to CVT-179, REMOVAL, Reduction Driven Gear.>
- 14) Remove the oil pan and oil strainer. <Ref. to CVT-106, REMOVAL, Oil Pan and Strainer.>
- 15) Remove the transmission control device. <Ref. to CVT-187, REMOVAL, Transmission Control Device.>
- 16) Remove the transmission case. <Ref. to CVT-193, REMOVAL, Transmission Case.>
- 17) Remove the reduction drive gear. <Ref. to CVT-206, REMOVAL, Reduction Drive Gear.>
- 18) Remove the primary pulley, secondary pulley and variator chain. <Ref. to CVT-210, REMOVAL, Primary Pulley and Secondary Pulley.>
- 19) Remove the reverse brake assembly. <Ref. to CVT-231, REMOVAL, Reverse Brake Assembly.>
- 20) Remove the forward clutch assembly. <Ref. to CVT-246, REMOVAL, Forward Clutch Assembly.>
- 21) Remove the drive pinion shaft assembly. <Ref. to CVT-265, REMOVAL, Drive Pinion Shaft Assembly.>
- 22) Remove the front differential assembly. <Ref. to CVT-294, REMOVAL, Front Differential Assembly.>
- 23) Remove the oil pump chain cover. <Ref. to CVT-312, REMOVAL, Oil Pump Chain.>
- 24) Remove the oil pump. <Ref. to CVT-321, REMOVAL, Oil Pump.>

B: INSTALLATION

- 1) Install the oil pump. <Ref. to CVT-322, INSTALLATION, Oil Pump.>
- 2) Install the oil pump chain cover. <Ref. to CVT-315, INSTALLATION, Oil Pump Chain.>
- 3) Install the front differential assembly. <Ref. to CVT-296, INSTALLATION, Front Differential Assembly.>
- 4) Install the drive pinion shaft assembly. <Ref. to CVT-266, INSTALLATION, Drive Pinion Shaft Assembly.>
- 5) Install the forward clutch assembly. <Ref. to CVT-249, INSTALLATION, Forward Clutch Assembly.>
- 6) Install the reverse brake assembly. <Ref. to CVT-234, INSTALLATION, Reverse Brake Assembly.>
- 7) Install the primary pulley, secondary pulley and variator chain. <Ref. to CVT-217, INSTALLATION, Primary Pulley and Secondary Pulley.>
- 8) Install the reduction drive gear. <Ref. to CVT-207, INSTALLATION, Reduction Drive Gear.>
- 9) Install the transmission case. <Ref. to CVT-196, INSTALLATION, Transmission Case.>
- 10) Install the transmission control device. <Ref. to CVT-190, INSTALLATION, Transmission Control Device.>
- 11) Install the oil strainer and oil pan. <Ref. to CVT-107, INSTALLATION, Oil Pan and Strainer.>
- 12) Install the reduction driven gear assembly. <Ref. to CVT-179, INSTALLATION, Reduction Driven Gear.>
- 13) Install the transfer driven gear assembly. <Ref. to CVT-175, INSTALLATION, Transfer Driven Gear.>
- 14) Install the transfer clutch assembly. <Ref. to CVT-162, INSTALLATION, Transfer Clutch.>
- 15) Install the parking pawl. <Ref. to CVT-178, INSTALLATION, Parking Pawl.>
- 16) Install the extension case. <Ref. to CVT-157, INSTALLATION, Extension Case.>
- 17) Install the inhibitor switch. <Ref. to CVT-95, INSTALLATION, Inhibitor Switch.>
- 18) Install the secondary speed sensor. <Ref. to CVT-99, INSTALLATION, Secondary Speed Sensor.>
- 19) Install the primary speed sensor. <Ref. to CVT-102, INSTALLATION, Primary Speed Sensor.>
- 20) Install the turbine speed sensor. <Ref. to CVT-97, INSTALLATION, Turbine Speed Sensor.>
- 21) Install the transmission harness. <Ref. to CVT-130, INSTALLATION, Transmission Harness.>
- 22) Install the control valve body. <Ref. to CVT-116, INSTALLATION, Control Valve Body.>
- 23) Install the air breather hose. <Ref. to CVT-149, INSTALLATION, Air Breather Hose.>
- 24) Install the transmission assembly to the vehicle. <Ref. to CVT-67, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

- 1) Remove the pitching stopper bracket and transmission radio ground cord, if mounted.
- 2) Remove the filler plug, oil drain plug and overflow drain plug. <Ref. to CVT-41, REPLACEMENT, Differential Gear Oil.>
- 3) Remove all plugs.



D: ASSEMBLY

- 1) Install the oil drain plug.

Tightening torque:

70 N·m (7.1 kgf-m, 51.6 ft-lb)

- 2) Install the overflow drain plug.

NOTE:

Overflow plug of differential gear oil is temporarily attached.

- 3) Install all plugs.

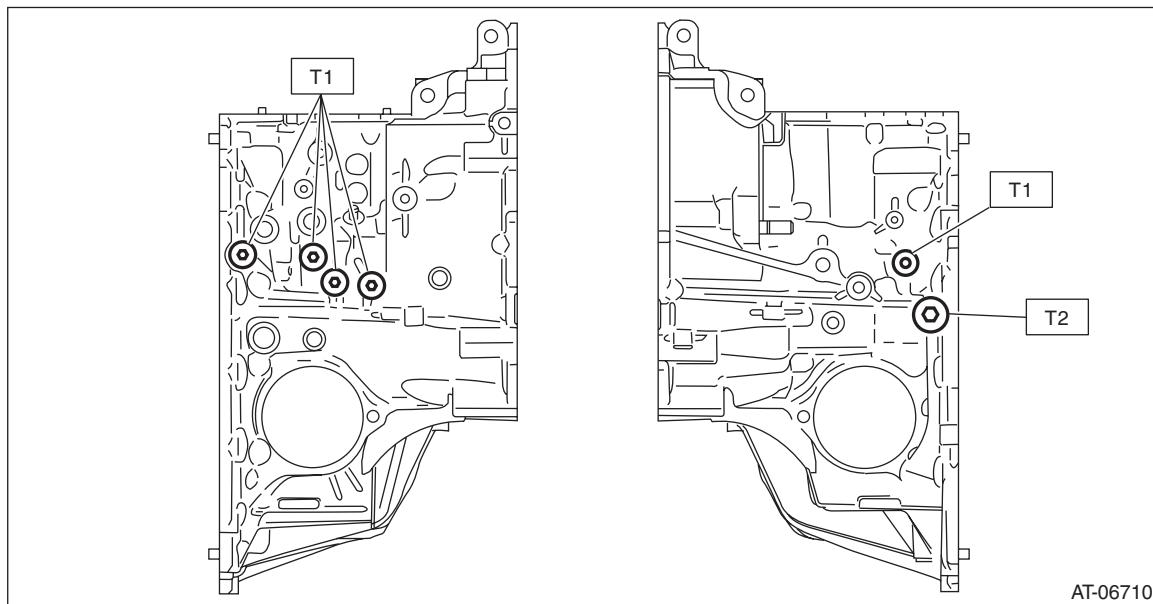
NOTE:

Use new O-rings.

Tightening torque:

T1: 25 N·m (2.5 kgf-m, 18.4 ft-lb)

T2: 25.5 N·m (2.6 kgf-m, 18.8 ft-lb)



- 4) Install the pitching stopper bracket and transmission radio ground cord.

Tightening torque:

41 N·m (4.2 kgf-m, 30.2 ft-lb)

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.