

## 46. Converter Case

### A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT(TR580)-57, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the air breather hose. <Ref. to CVT(TR580)-155, REMOVAL, Air Breather Hose.>
- 3) Remove the control valve body. <Ref. to CVT(TR580)-111, REMOVAL, Control Valve Body.>
- 4) Remove the transmission harness. <Ref. to CVT(TR580)-125, REMOVAL, Transmission Harness.>
- 5) Remove the turbine speed sensor. <Ref. to CVT(TR580)-98, REMOVAL, Turbine Speed Sensor.>
- 6) Remove the secondary speed sensor. <Ref. to CVT(TR580)-100, REMOVAL, Secondary Speed Sensor.>
- 7) Remove the primary speed sensor. <Ref. to CVT(TR580)-102, REMOVAL, Primary Speed Sensor.>
- 8) Remove the inhibitor switch. <Ref. to CVT(TR580)-94, REMOVAL, Inhibitor Switch.>
- 9) Remove the extension case. <Ref. to CVT(TR580)-165, REMOVAL, Extension Case.>
- 10) Remove the transfer clutch assembly. <Ref. to CVT(TR580)-169, REMOVAL, Transfer Clutch.>
- 11) Remove the transfer driven gear assembly. <Ref. to CVT(TR580)-184, REMOVAL, Transfer Driven Gear.>
- 12) Remove the parking pawl. <Ref. to CVT(TR580)-187, REMOVAL, Parking Pawl.>
- 13) Remove the reduction driven gear assembly. <Ref. to CVT(TR580)-189, REMOVAL, Reduction Driven Gear.>
- 14) Remove the oil pan and oil strainer. <Ref. to CVT(TR580)-107, REMOVAL, Oil Pan and Strainer.>
- 15) Remove the transmission control device. <Ref. to CVT(TR580)-197, REMOVAL, Transmission Control Device.>
- 16) Remove the transmission case. <Ref. to CVT(TR580)-203, REMOVAL, Transmission Case.>
- 17) Remove the reduction drive gear. <Ref. to CVT(TR580)-216, REMOVAL, Reduction Drive Gear.>
- 18) Remove the primary pulley, secondary pulley and variator chain. <Ref. to CVT(TR580)-221, REMOVAL, Primary Pulley and Secondary Pulley.>
- 19) Remove the reverse brake assembly. <Ref. to CVT(TR580)-242, REMOVAL, Reverse Brake Assembly.>
- 20) Remove the forward clutch assembly. <Ref. to CVT(TR580)-257, REMOVAL, Forward Clutch Assembly.>
- 21) Remove the drive pinion shaft assembly. <Ref. to CVT(TR580)-277, REMOVAL, Drive Pinion Shaft Assembly.>
- 22) Remove the front differential assembly. <Ref. to CVT(TR580)-306, REMOVAL, Front Differential Assembly.>
- 23) Remove the oil pump chain cover. <Ref. to CVT(TR580)-325, REMOVAL, Oil Pump Chain.>
- 24) Remove the oil pump. <Ref. to CVT(TR580)-334, REMOVAL, Oil Pump.>

### B: INSTALLATION

- 1) Install the oil pump.<Ref. to CVT(TR580)-335, INSTALLATION, Oil Pump.>
- 2) Install the oil pump chain cover.<Ref. to CVT(TR580)-328, INSTALLATION, Oil Pump Chain.>
- 3) Install the front differential assembly.<Ref. to CVT(TR580)-308, INSTALLATION, Front Differential Assembly.>
- 4) Install the drive pinion shaft assembly.<Ref. to CVT(TR580)-278, INSTALLATION, Drive Pinion Shaft Assembly.>
- 5) Install the forward clutch assembly.<Ref. to CVT(TR580)-260, INSTALLATION, Forward Clutch Assembly.>
- 6) Install the reverse brake assembly.<Ref. to CVT(TR580)-245, INSTALLATION, Reverse Brake Assembly.>
- 7) Install the primary pulley, secondary pulley and variator chain.<Ref. to CVT(TR580)-228, INSTALLATION, Primary Pulley and Secondary Pulley.>
- 8) Install the reduction drive gear.<Ref. to CVT(TR580)-217, INSTALLATION, Reduction Drive Gear.>
- 9) Install the transmission case.<Ref. to CVT(TR580)-206, INSTALLATION, Transmission Case.>
- 10) Install the transmission control device.<Ref. to CVT(TR580)-200, INSTALLATION, Transmission Control Device.>
- 11) Install the oil strainer and oil pan.<Ref. to CVT(TR580)-108, INSTALLATION, Oil Pan and Strainer.>

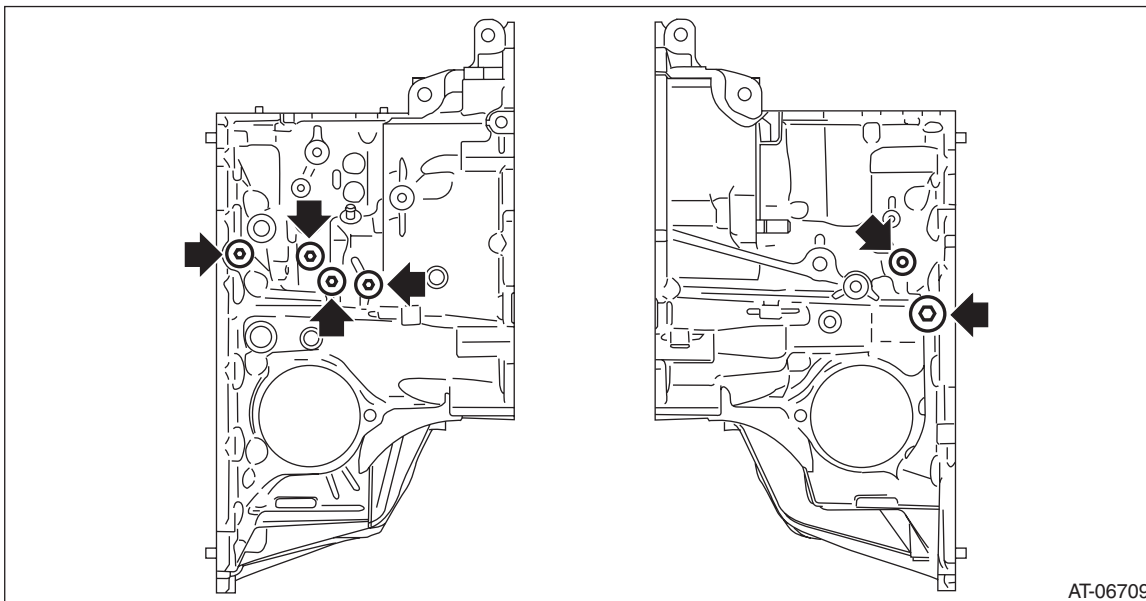
## Converter Case

### CONTINUOUSLY VARIABLE TRANSMISSION

- 12) Install the reduction driven gear assembly.<Ref. to CVT(TR580)-189, INSTALLATION, Reduction Driven Gear.>
- 13) Install the parking pawl.<Ref. to CVT(TR580)-188, INSTALLATION, Parking Pawl.>
- 14) Install the transfer driven gear assembly.<Ref. to CVT(TR580)-185, INSTALLATION, Transfer Driven Gear.>
- 15) Install the transfer clutch assembly.<Ref. to CVT(TR580)-171, INSTALLATION, Transfer Clutch.>
- 16) Install the extension case.<Ref. to CVT(TR580)-166, INSTALLATION, Extension Case.>
- 17) Install the inhibitor switch.<Ref. to CVT(TR580)-95, INSTALLATION, Inhibitor Switch.>
- 18) Install the secondary speed sensor.<Ref. to CVT(TR580)-100, INSTALLATION, Secondary Speed Sensor.>
- 19) Install the primary speed sensor.<Ref. to CVT(TR580)-103, INSTALLATION, Primary Speed Sensor.>
- 20) Install the turbine speed sensor.<Ref. to CVT(TR580)-98, INSTALLATION, Turbine Speed Sensor.>
- 21) Install the transmission harness.<Ref. to CVT(TR580)-131, INSTALLATION, Transmission Harness.>
- 22) Install the control valve body.<Ref. to CVT(TR580)-117, INSTALLATION, Control Valve Body.>
- 23) Install the air breather hose.<Ref. to CVT(TR580)-156, INSTALLATION, Air Breather Hose.>
- 24) Install the transmission assembly to the vehicle.<Ref. to CVT(TR580)-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(TR580)-42, REPLACEMENT, Differential Gear Oil.>
- 3) Remove all plugs.



AT-06709

## 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 drain plug of differential gear oil is temporarily attached.

3) Install all plugs.

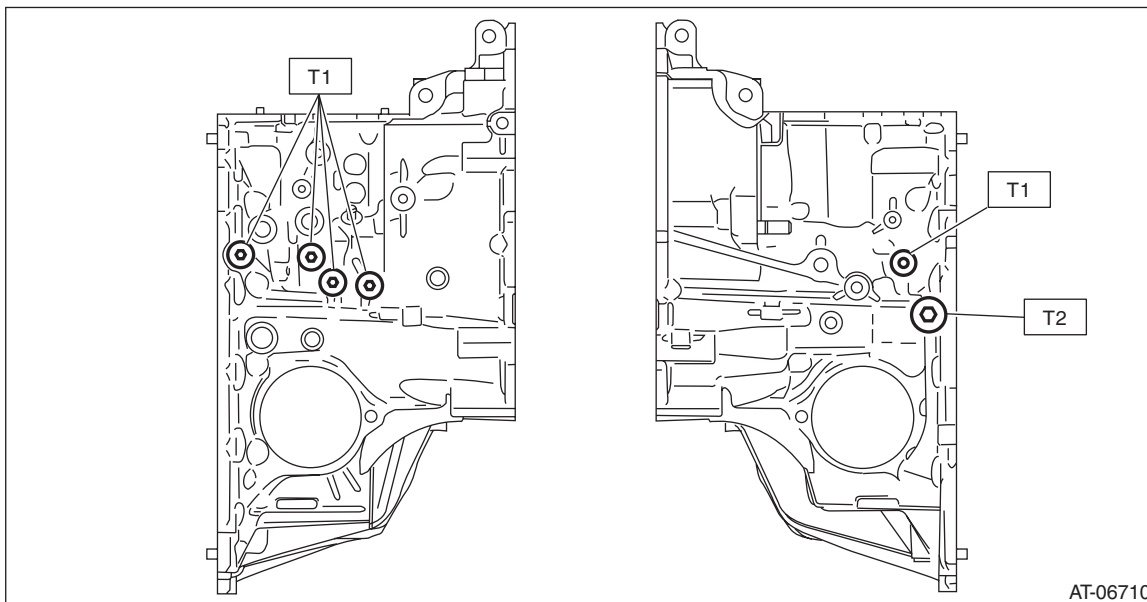
NOTE:

Use new O-rings.

### **Tightening torque:**

**T1: 25 N·m (2.5 kgf-m, 18.4 ft-lb)**

**T2: 22.5 N·m (2.3 kgf-m, 16.6 ft-lb)**



AT-06710

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.