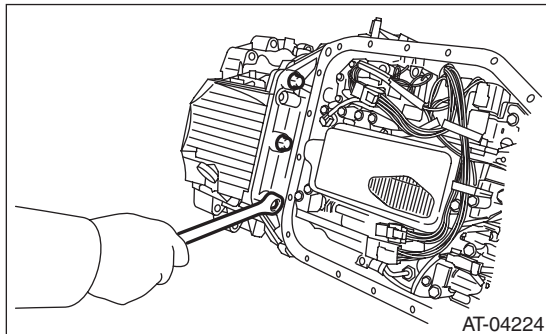


## 30. Converter Case

### A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to 5AT-37, REMOVAL, Automatic Transmission Assembly.>
  - 2) Remove the torque converter assembly. <Ref. to 5AT-63, REMOVAL, Torque Converter Assembly.>
  - 3) Remove the transmission harness connector from stay.
  - 4) Remove the turbine speed sensor 1. <Ref. to 5AT-54, REMOVAL, Turbine Speed Sensor 1.>
  - 5) Remove the air breather hose. <Ref. to 5AT-61, REMOVAL, Air Breather Hose.>
  - 6) Remove the transmission hanger COMPL.
  - 7) Remove the ATF cooler inlet pipe and outlet pipe. <Ref. to 5AT-58, REMOVAL, ATF Cooler Pipe and Hose.>
  - 8) Remove the converter case attachment bolts.
  - 9) Lay along the transmission body, and then remove the oil pan.
  - 10) Remove the three converter case mounting bolts (TORX®).
- ST 18676AA020 TORX® WRENCH



- 11) Separate the converter case by lightly tapping with plastic hammer.
- 12) Remove the front differential assembly. <Ref. to 5AT-87, REMOVAL, Front Differential Assembly.>
- 13) Remove the oil seal from converter case.

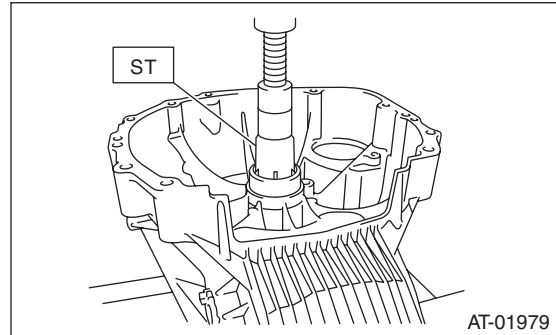
### B: INSTALLATION

- 1) Check the appearance of each component and clean them.
- 2) Press-fit the oil seal to the converter case using ST.

#### NOTE:

Use a new oil seal.

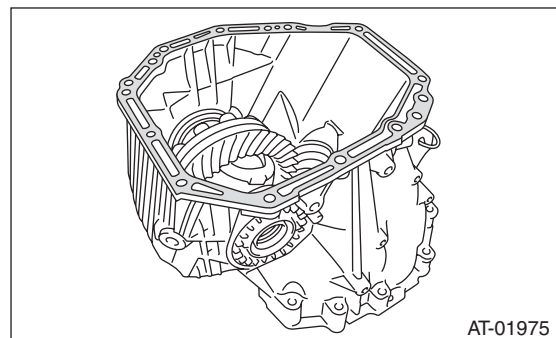
ST 499587100 OIL SEAL INSTALLER



- 3) Install the front differential assembly and left and right side retainers to the case. <Ref. to 5AT-87, INSTALLATION, Front Differential Assembly.>
- 4) Remove the oil pump cover from the AT main case, and then adjust and check the backlash and tooth contact of the front differential. <Ref. to 5AT-79, REMOVAL, Oil Pump Cover.> <Ref. to 5AT-90, ADJUSTMENT, Front Differential Assembly.> <Ref. to 5AT-84, ADJUSTMENT, Drive Pinion Shaft Assembly.>
- 5) Apply proper amount of liquid gasket to the entire matching surface of converter case.

#### Liquid gasket:

**THREE BOND 1215 (Part No. 004403007) or equivalent**



## Converter Case

### AUTOMATIC TRANSMISSION

6) Install the converter case assembly without damaging bushing and oil seal.

**NOTE:**

Use a new bolt for the oil charge pipe and ATF cooler pipe portions

**Tightening torque:**

**Oil charge pipe and ATF cooler pipe portions**

**38 N·m (3.9 kgf-m, 28.0 ft-lb)**

**Other than above**

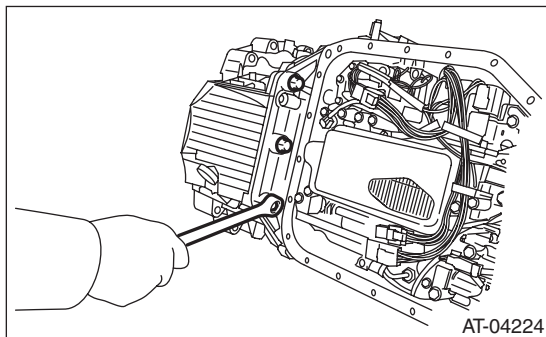
**41 N·m (4.2 kgf-m, 30.2 ft-lb)**

7) Install the three converter case mounting bolts (TORX®).

**Tightening torque:**

**41 N·m (4.2 kgf-m, 30.2 ft-lb)**

ST 18676AA020 TORX® WRENCH



8) Apply proper amount of liquid gasket to the entire oil pan mating surface, and then install it.

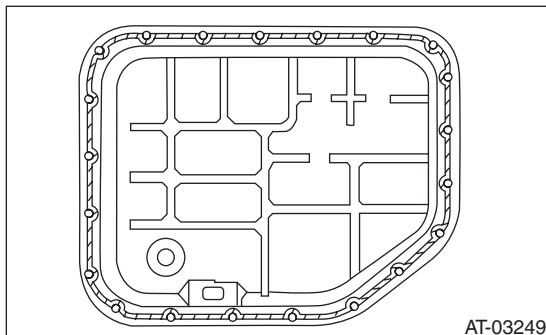
**Liquid gasket:**

**THREE BOND 1217B (Part No. K0877YA020)**

**or equivalent**

**Tightening torque:**

**5 N·m (0.5 kgf-m, 3.7 ft-lb)**



9) Install the turbine speed sensor 1. <Ref. to 5AT-54, INSTALLATION, Turbine Speed Sensor 1.>

10) Install the ATF cooler pipe. <Ref. to 5AT-59, INSTALLATION, ATF Cooler Pipe and Hose.>

11) Install the transmission hanger COMPL.

**Tightening torque:**

**41 N·m (4.2 kgf-m, 30.2 ft-lb)**

12) Install the transmission harness connector to the stay.

13) Install the air breather hose. <Ref. to 5AT-61, INSTALLATION, Air Breather Hose.>

14) Install the torque converter assembly. <Ref. to 5AT-63, INSTALLATION, Torque Converter Assembly.>

15) Install the transmission assembly to the vehicle. <Ref. to 5AT-42, INSTALLATION, Automatic Transmission Assembly.>

## C: INSPECTION

Measure the backlash, and then adjust it to be within specification. <Ref. to 5AT-84, ADJUSTMENT, Drive Pinion Shaft Assembly.>