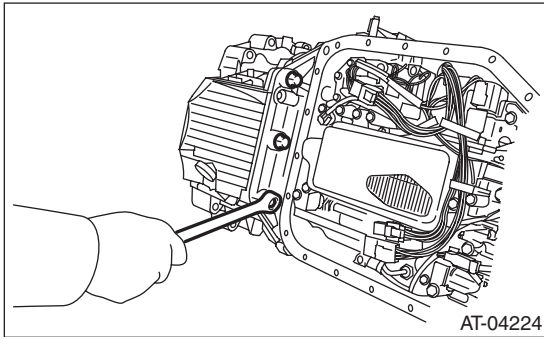


30. Converter Case

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-61, REMOVAL, Torque Converter Assembly.>
- 3) Remove the transmission harness connector from stay.
- 4) Remove the turbine speed sensor 1. <Ref. to 5AT-52, REMOVAL, Turbine Speed Sensor 1.>
- 5) Remove the air breather hose. <Ref. to 5AT-59, REMOVAL, Air Breather Hose.>
- 6) Remove the oil charge pipe. <Ref. to 5AT-60, REMOVAL, Oil Charge Pipe.>
- 7) Remove the ATF AT inlet and outlet pipes. <Ref. to 5AT-56, 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.

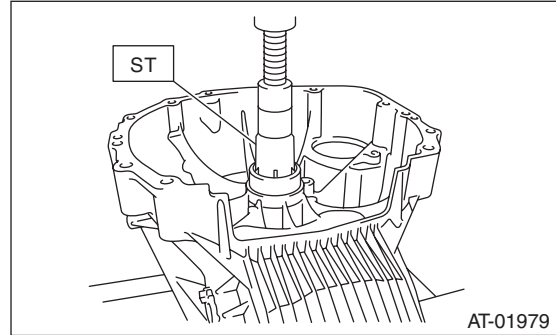
B: INSTALLATION

- 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.

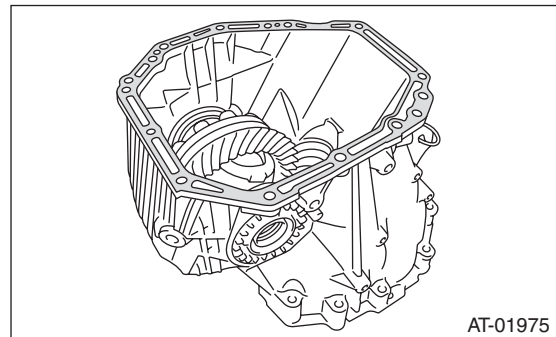
ST 499587100 OIL SEAL INSTALLER



- 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-78, REMOVAL, Oil Pump Cover.> <Ref. to 5AT-91, 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



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

NOTE:

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

Tightening torque:

Oil charge pipe and ATF AT pipe portions

38 N·m (3.9 kgf-m, 28.0 ft-lb)

Other than above

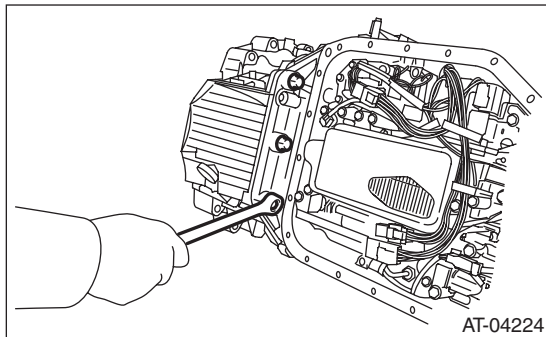
41 N·m (4.2 kgf-m, 30.2 ft-lb)

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

Tightening torque:

41 N·m (4.2 kgf-m, 30.2 ft-lb)

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

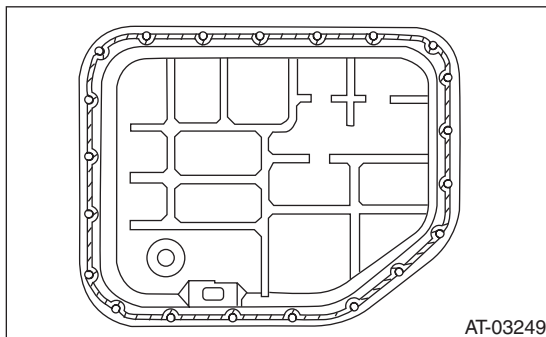
Liquid gasket:

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-52, INSTALLATION, Turbine Speed Sensor 1.>

10) Install the ATF AT pipe. <Ref. to 5AT-57, INSTALLATION, ATF Cooler Pipe and Hose.>

Tightening torque:

41 N·m (4.2 kgf-m, 30.2 ft-lb)

11) Install the transmission harness connector to the stay.

12) Install the oil charge pipe. <Ref. to 5AT-60, INSTALLATION, Oil Charge Pipe.>

13) Install the air breather hose. <Ref. to 5AT-59, INSTALLATION, Air Breather Hose.>

14) Install the torque converter assembly. <Ref. to 5AT-61, INSTALLATION, Torque Converter Assembly.>

15) Install the transmission assembly to the vehicle. <Ref. to 5AT-40, 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.>