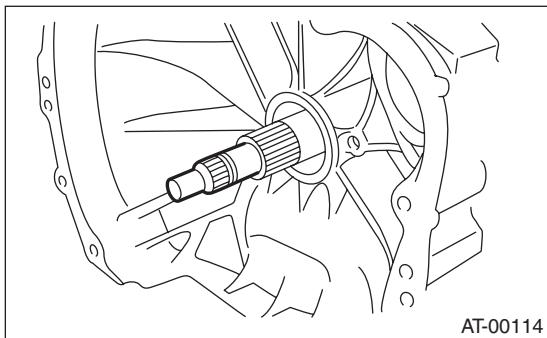


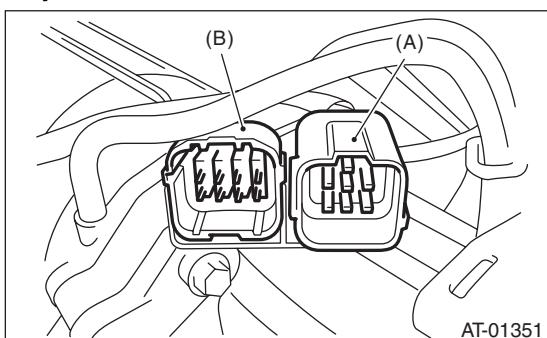
## 31. Converter Case

### A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to 4AT-34, REMOVAL, Automatic Transmission Assembly.>
- 2) Pull out the torque converter clutch assembly. <Ref. to 4AT-66, REMOVAL, Torque Converter Clutch Assembly.>
- 3) Remove the input shaft.



- 4) Lift up the lever on the rear side of transmission harness connector, and then disconnect it from the stay.
- 5) Disconnect the inhibitor switch connector from the stay.



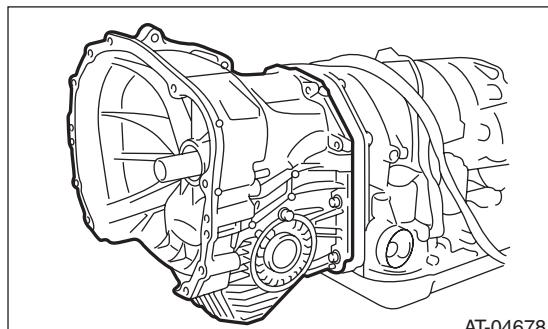
(A) Transmission harness connectors  
(B) Inhibitor switch connector

- 6) Remove the air breather hose. <Ref. to 4AT-64, REMOVAL, Air Breather Hose.>
- 7) Remove the oil charge pipe. <Ref. to 4AT-65, REMOVAL, Oil Charge Pipe.>
- 8) Remove the ATF inlet and outlet pipes. <Ref. to 4AT-62, REMOVAL, ATF Cooler Pipe and Hose.>
- 9) Remove the converter case alignment bolt, and then separate the transmission case and converter case by lightly tapping with a plastic hammer.

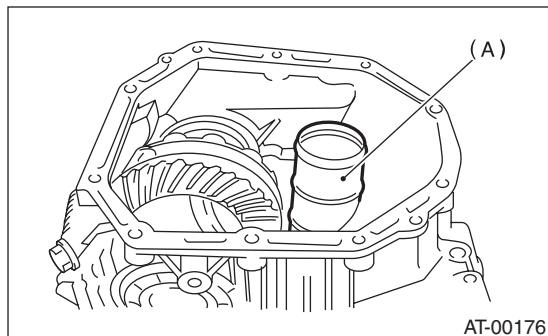
**NOTE:**

- Be careful not to damage the oil seal and bushing in the converter case with the oil pump cover.

- Be careful not to loosen the rubber seal.



- 10) Remove the seal pipe.

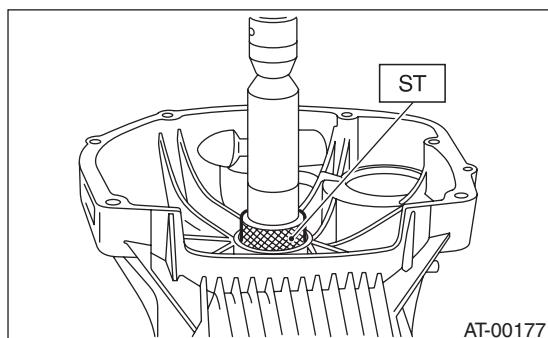


(A) Seal pipe

- 11) Remove the front differential assembly. <Ref. to 4AT-94, REMOVAL, Front Differential Assembly.>
- 12) Remove the oil seal from converter case.

### B: INSTALLATION

- 1) Check the appearance of each component and clean them.
- 2) Press-fit the new oil seal to converter case using ST.  
ST 398437700 DRIFT

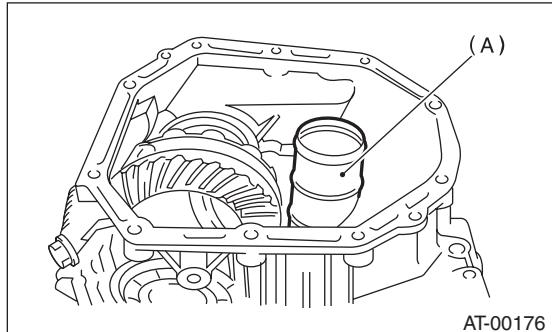


- 3) Install the front differential assembly to the case. <Ref. to 4AT-94, INSTALLATION, Front Differential Assembly.>
- 4) Install the right and left side retainers. <Ref. to 4AT-98, ADJUSTMENT, Front Differential Assembly.>

# Converter Case

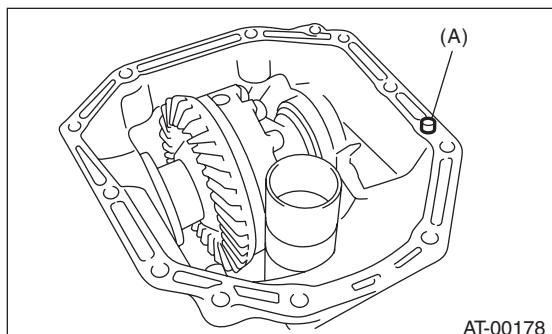
## AUTOMATIC TRANSMISSION

5) Install new seal pipe to converter case.



(A) Seal pipe

6) Install new rubber seal to converter case.

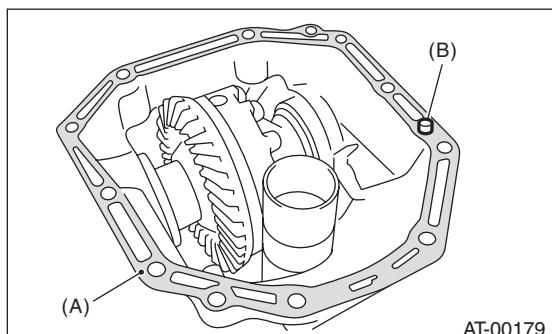


(A) Rubber seal

7) Apply proper amount of liquid gasket to the entire matching surface of converter case.

**Liquid gasket:**

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



(A) THREE BOND 1215

(B) Rubber seal

8) Install the converter case, being careful not to damage the bushing and oil seal.

**NOTE:**

Use new bolts for the oil charge pipe.

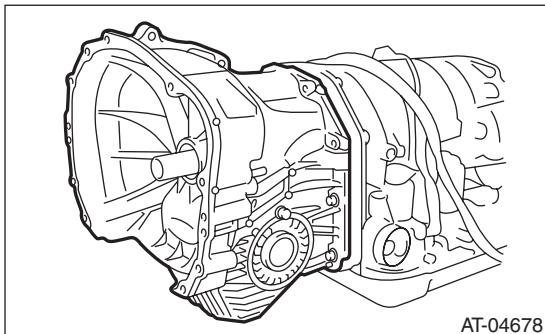
### Tightening torque:

#### *Oil charge pipe section*

**38 N·m (3.9 kgf·m, 28.0 ft·lb)**

#### *Excluding the oil charge pipe section*

**41 N·m (4.2 kgf·m, 30.2 ft·lb)**



9) Insert the inhibitor switch connector and transmission harness connector onto the stay.

10) Install the air breather hose. <Ref. to 4AT-64, INSTALLATION, Air Breather Hose.>

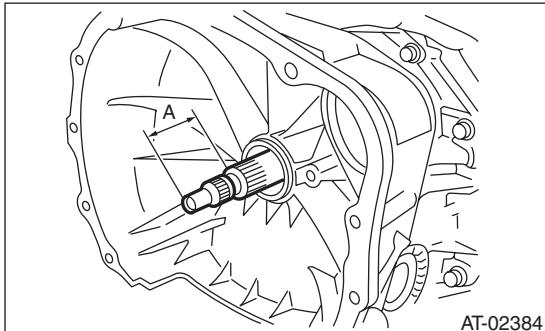
11) Install the ATF cooler pipe. <Ref. to 4AT-62, INSTALLATION, ATF Cooler Pipe and Hose.>

12) Install the oil charge pipe with O-ring. <Ref. to 4AT-65, INSTALLATION, Oil Charge Pipe.>

13) Insert the input shaft while rotating it lightly by hand, and then check the amount of protrusion.

**Normal protrusion A:**

**50 — 55 mm (1.97 — 2.17 in)**



A Measured value

14) Install the torque converter clutch assembly. <Ref. to 4AT-66, INSTALLATION, Torque Converter Clutch Assembly.>

15) Install the transmission assembly to the vehicle. <Ref. to 4AT-37, INSTALLATION, Automatic Transmission Assembly.>

## C: INSPECTION

Measure the backlash, and then adjust it to be within standard values. <Ref. to 4AT-92, ADJUSTMENT, Drive Pinion Shaft Assembly.>