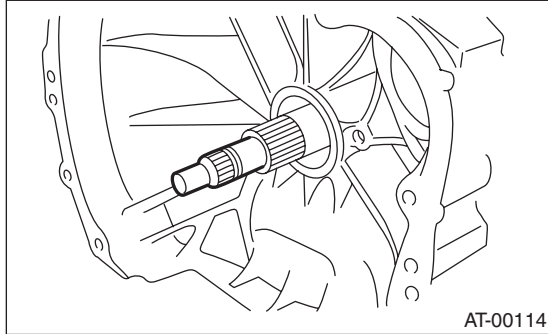


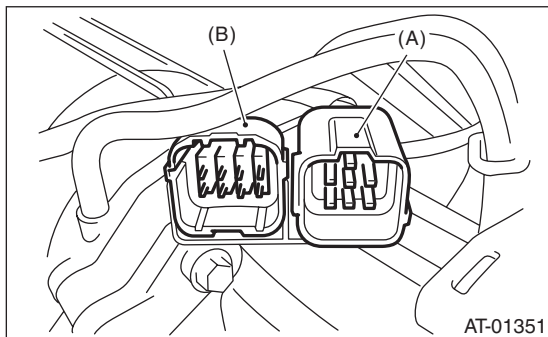
## 31. Converter Case

### A: REMOVAL

- 1) Remove the transmission assembly from vehicle body. <Ref. to 4AT-35, REMOVAL, Automatic Transmission Assembly.>
- 2) Pull out the torque converter assembly. <Ref. to 4AT-68, REMOVAL, Torque Converter Assembly.>
- 3) Remove the input shaft.



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



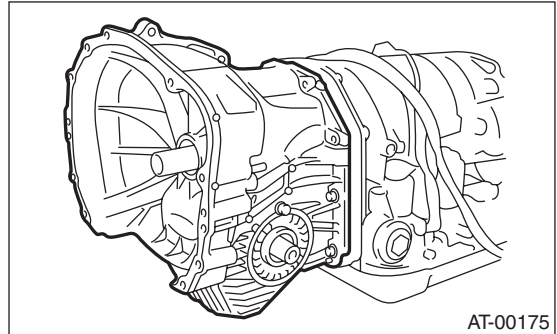
- (A) Transmission connector  
(B) Inhibitor switch connector

- 6) Remove the oil charge pipe. <Ref. to 4AT-67, REMOVAL, Oil Charge Pipe.>
- 7) Remove the oil cooler inlet and outlet pipes. <Ref. to 4AT-63, REMOVAL, ATF Cooler Pipe and Hose.>

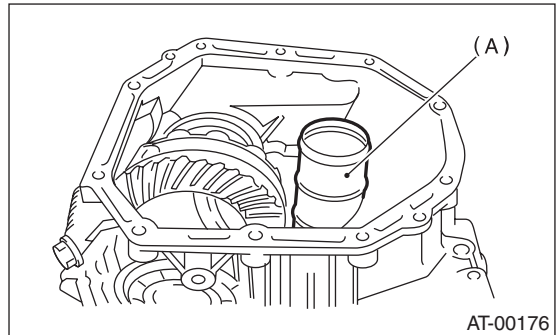
- 8) Remove the converter case alignment bolt, and then separate the transmission case and converter case by lightly tapping with a plastic hammer.

#### 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.



- 9) Remove the seal pipe.

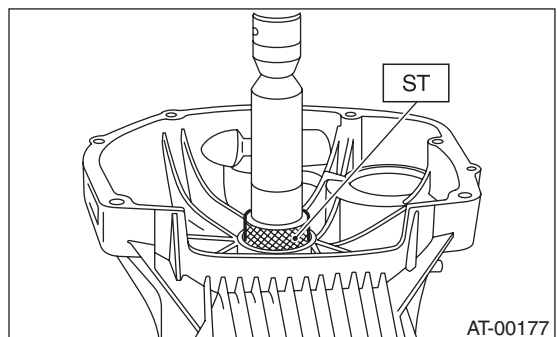


- (A) Seal pipe

- 10) Remove the differential assembly. <Ref. to 4AT-95, REMOVAL, Front Differential Assembly.>
- 11) 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 converter case using ST. ST 398437700 DRIFT

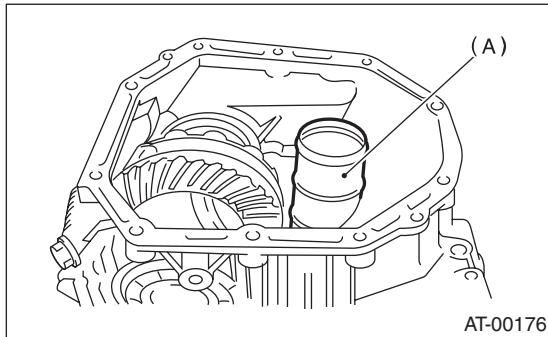


- 3) Install the differential assembly to the case. <Ref. to 4AT-95, INSTALLATION, Front Differential Assembly.>

# Converter Case

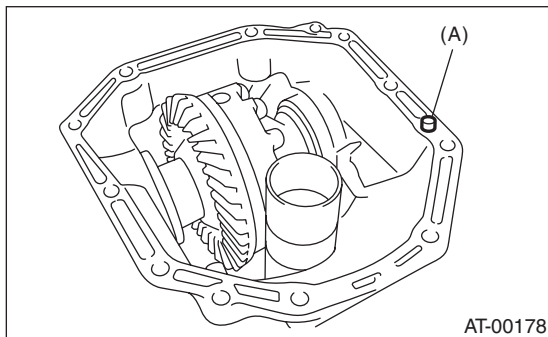
## AUTOMATIC TRANSMISSION

- 4) Install the right and left side retainers. <Ref. to 4AT-99, ADJUSTMENT, Front Differential Assembly.>
- 5) Install new seal pipe to converter case.



(A) Seal pipe

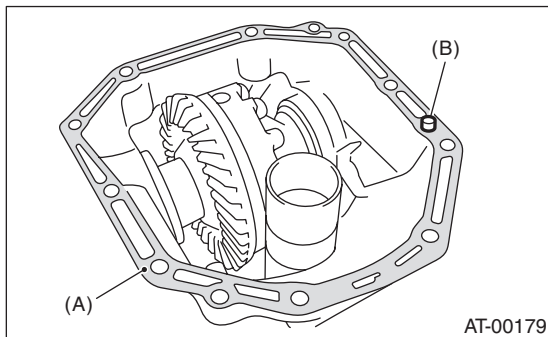
- 6) Install the rubber seal to converter case.



(A) Rubber seal

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

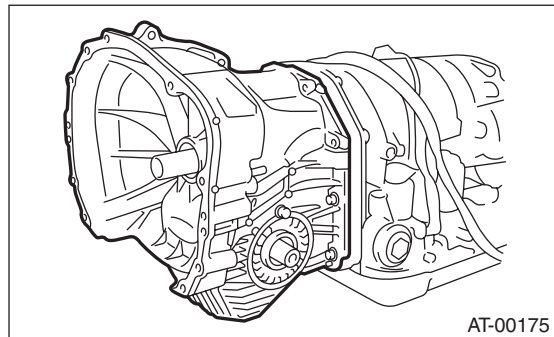
**Liquid gasket:**  
**THREE BOND 1215 (Part No. 004403007)**



(A) THREE BOND 1215  
(B) Rubber seal

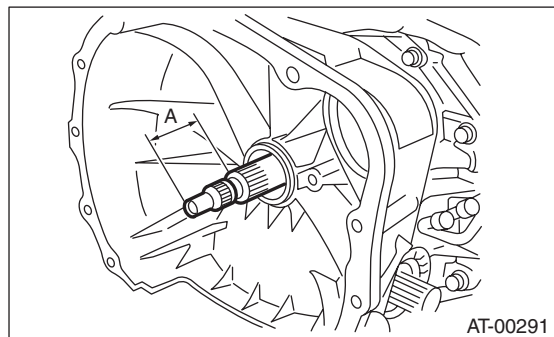
- 8) Install the converter case without damaging bushing and oil seal.

**Tightening torque:**  
**41 N·m (4.2 kgf-m, 30.4 ft-lb)**



- 9) Insert the inhibitor switch and transmission connector to the stay.
- 10) Install the air breather hose. <Ref. to 4AT-66, INSTALLATION, Air Breather Hose.>
- 11) Install the oil cooler pipe. <Ref. to 4AT-64, INSTALLATION, ATF Cooler Pipe and Hose.>
- 12) Install the oil charge pipe with O-ring. <Ref. to 4AT-67, 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)**



- 14) Install the torque converter assembly. <Ref. to 4AT-68, INSTALLATION, Torque Converter Assembly.>
- 15) Install the transmission assembly to the vehicle. <Ref. to 4AT-38, INSTALLATION, Automatic Transmission Assembly.>

## C: INSPECTION

Measure the backlash, and then adjust it to be within standard values. <Ref. to 4AT-91, ADJUSTMENT, Drive Pinion Shaft Assembly.>