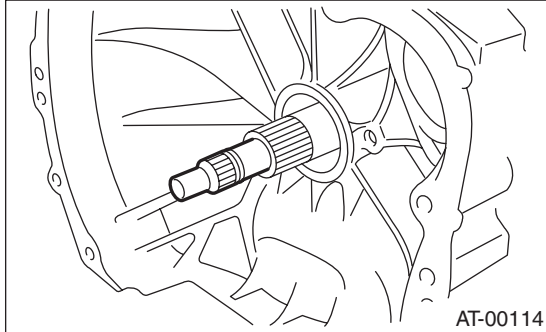


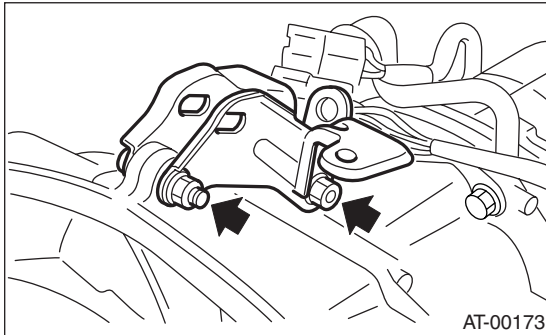
## 34. Torque Converter Clutch Case

### A: REMOVAL

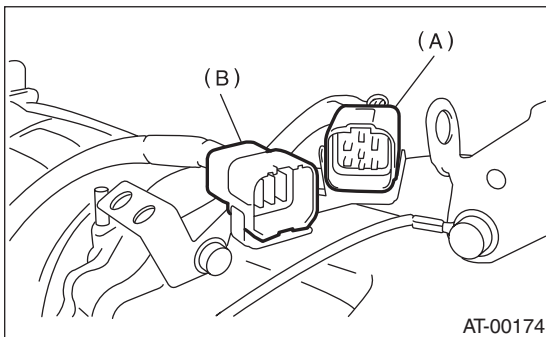
- 1) Remove the transmission assembly from the vehicle. <Ref. to AT-39, REMOVAL, Automatic Transmission Assembly.>
- 2) Extract the torque converter clutch assembly. <Ref. to AT-78, REMOVAL, Torque Converter Clutch Assembly.>
- 3) Remove the input shaft.



- 4) Remove air breather hose. <Ref. to AT-76, REMOVAL, Air Breather Hose.>
- 5) Remove pitching stopper bracket.



- 6) Lift-up lever behind the connector and disconnect it from stay.
- 7) Disconnect inhibitor switch connector from stay.



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

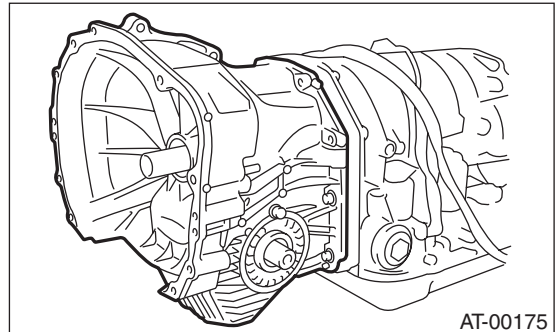
- 8) Remove the oil charger pipe. <Ref. to AT-77, REMOVAL, Oil Charger Pipe.>

- 9) Remove the oil cooler inlet and outlet pipes. <Ref. to AT-73, REMOVAL, ATF Cooler Pipe and Hose.>

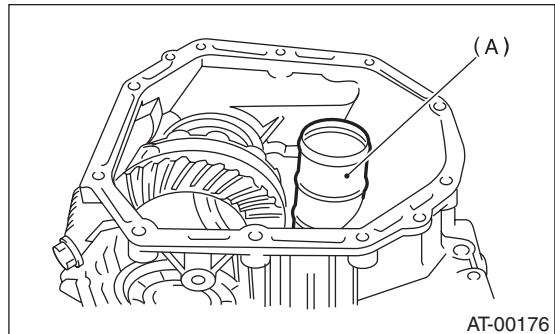
- 10) Lightly tapping the torque converter clutch case with plastic hammer, separate the transmission case and torque converter clutch case.

#### NOTE:

- Be careful not to damage the oil seal and bushing inside the torque converter clutch case by the oil pump cover.
- Be careful not to lose the rubber seal.



- 11) Remove the seal pipe if it is attached. (Reusing is not allowed.)



- (A) Seal pipe

- 12) Remove the differential assembly. <Ref. to AT-116, REMOVAL, Front Differential.>
- 13) Remove the oil seal from torque converter clutch case.

# TORQUE CONVERTER CLUTCH CASE

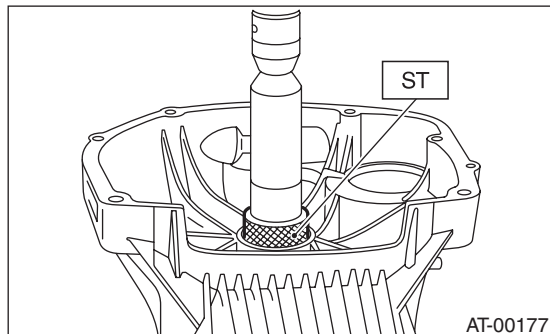
## AUTOMATIC TRANSMISSION

### B: INSTALLATION

1) Check the appearance of each component, and clean.

2) Force-fit the oil seal to the torque converter clutch case with ST.

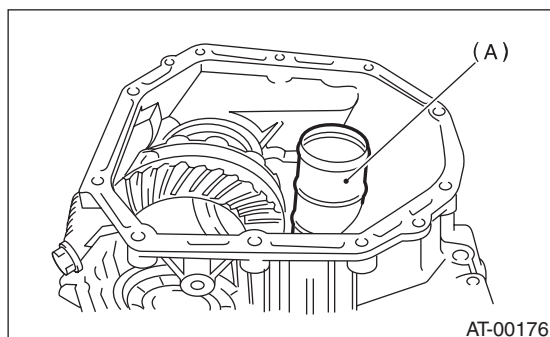
ST 398437700 DRIFT



3) Install the differential assembly to the case. <Ref. to AT-116, INSTALLATION, Front Differential.>

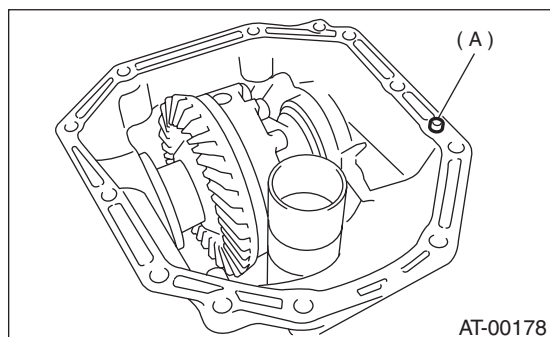
4) Install the left and right side retainers. <Ref. to AT-120, ADJUSTMENT, Front Differential.>

5) Install the new seal pipe to the torque converter clutch case.



(A) Seal pipe

6) Install the rubber seal to the torque converter clutch case.

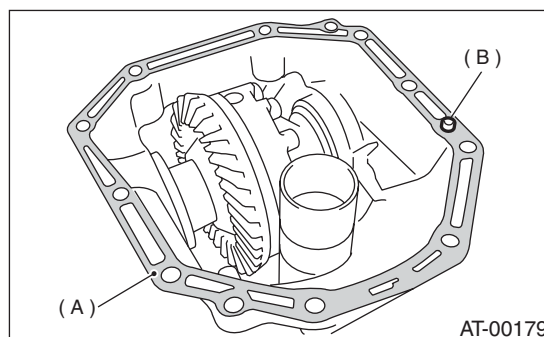


(A) Rubber seal

7) Apply proper amount of liquid gasket to the entire torque converter clutch case mating surface.

**Liquid gasket:**

**ThreeBond 1215 (Part No. 004403007)**



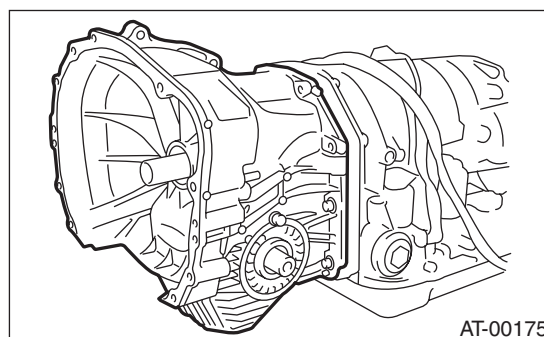
(A) ThreeBond 1215

(B) Rubber seal

8) Install the torque converter clutch case assembly without damaging bushing and oil seal.

**Tightening torque:**

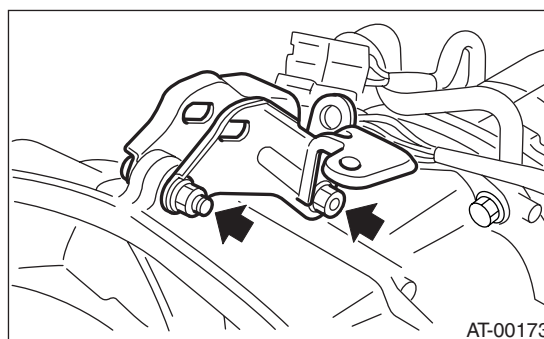
**41 N·m (4.2 kgf-m, 30.4 ft-lb)**



9) Install the pitching stopper bracket and transmission ground cable.

**Tightening torque:**

**41 N·m (4.2 kgf-m, 30.4 ft-lb)**



10) Insert inhibitor switch and transmission connector into stay.

11) Install air breather hose. <Ref. to AT-76, INSTALLATION, Air Breather Hose.>

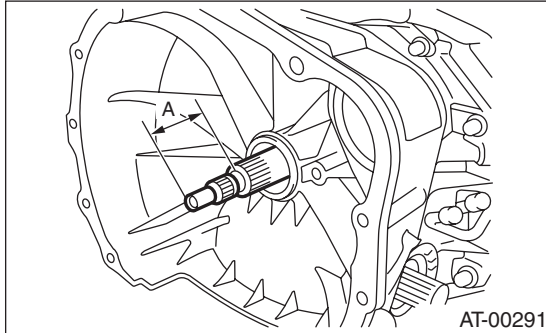
## TORQUE CONVERTER CLUTCH CASE

AUTOMATIC TRANSMISSION

- 12) Install the oil cooler pipes. <Ref. to AT-74, INSTALLATION, ATF Cooler Pipe and Hose.>
- 13) Install the oil charger pipe with O-ring. <Ref. to AT-77, INSTALLATION, Oil Charger Pipe.>
- 14) Insert the input shaft while turning lightly by hand. At this time, not to damage the bushing.

### **Normal protrusion A:**

**50 — 55 mm (1.97 — 2.17 in)**



- 15) Install the torque converter clutch assembly. <Ref. to AT-78, INSTALLATION, Torque Converter Clutch Assembly.>
- 16) Install the transmission assembly to the vehicle. <Ref. to AT-41, INSTALLATION, Automatic Transmission Assembly.>

## **C: INSPECTION**

Measure the backlash and adjust to within specifications. <Ref. to AT-113, ADJUSTMENT, Drive Pinion Shaft Assembly.>