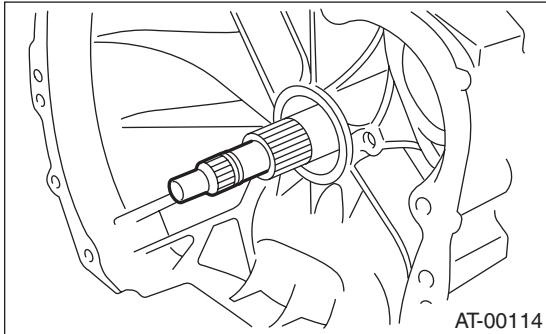


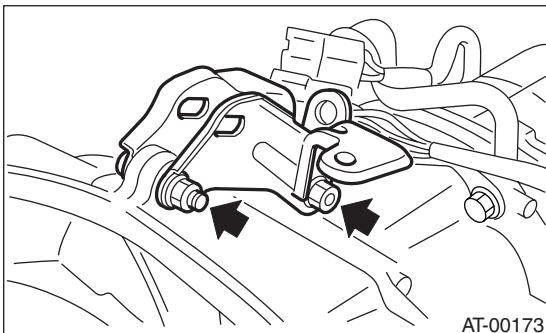
## 34. Torque Converter Clutch Case

### A: REMOVAL

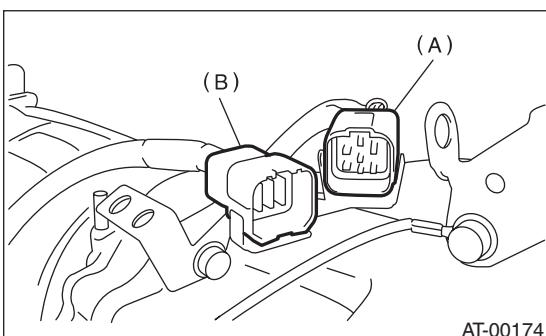
- 1) Remove the transmission assembly from the vehicle. <Ref. to AT-39, REMOVAL, Automatic Transmission Assembly.>
- 2) Extract the torque converter clutch assembly. <Ref. to AT-78, REMOVAL, Torque Converter Clutch Assembly.>
- 3) Remove the input shaft.



- 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

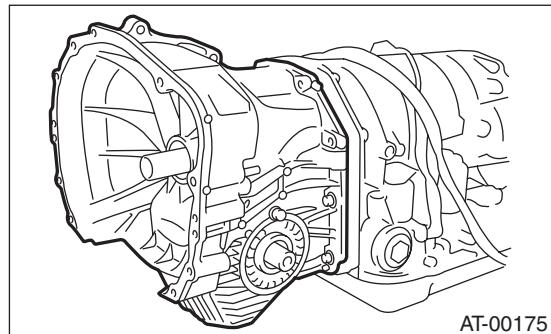
- 8) Remove the oil charger pipe. <Ref. to AT-77, REMOVAL, Oil Charger Pipe.>

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

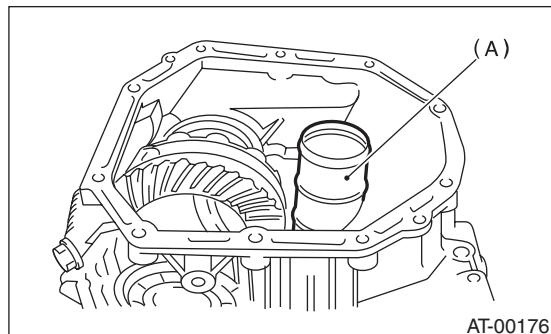
- 10) Lightly tapping the torque converter clutch case with plastic hammer, separate the transmission case and torque converter clutch case.

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.>

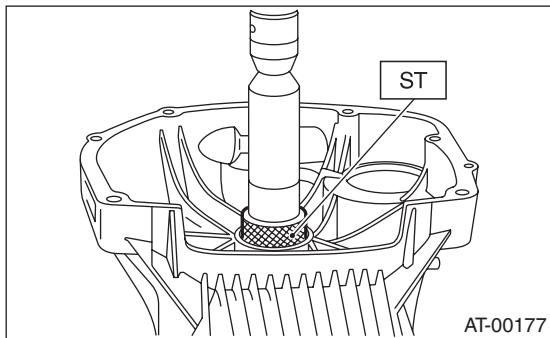
- 13) Remove the oil seal from torque converter clutch case.

# TORQUE CONVERTER CLUTCH CASE

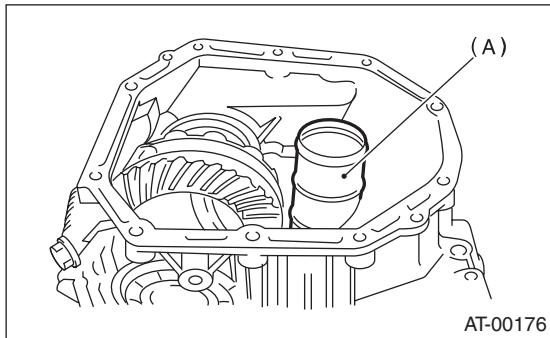
## AUTOMATIC TRANSMISSION

### 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

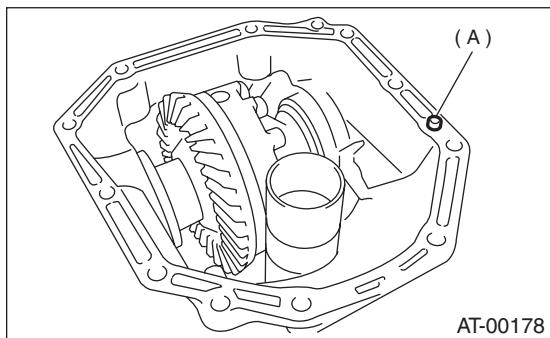


- 3) Install the differential assembly to the case. <Ref. to AT-116, INSTALLATION, Front Differential.>
- 4) Install the left and right side retainers. <Ref. to AT-120, ADJUSTMENT, Front Differential.>
- 5) Install the new seal pipe to the torque converter clutch case.



(A) Seal pipe

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

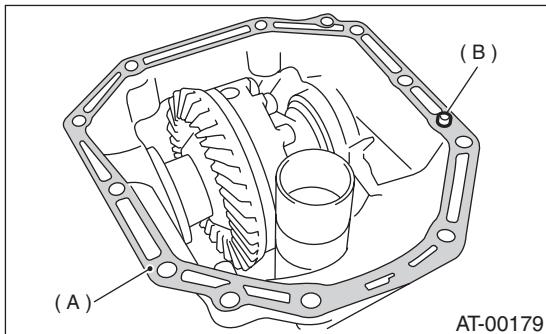


(A) Rubber seal

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

#### Liquid gasket:

ThreeBond 1215 (Part No. 004403007)

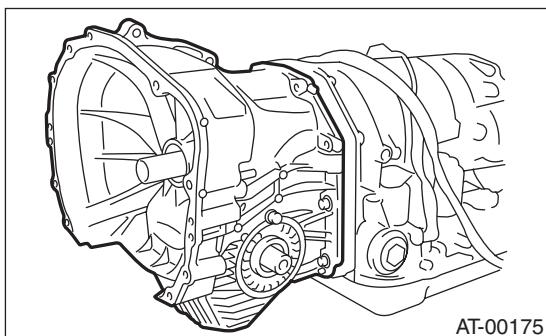


(A) ThreeBond 1215  
(B) Rubber seal

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

#### Tightening torque:

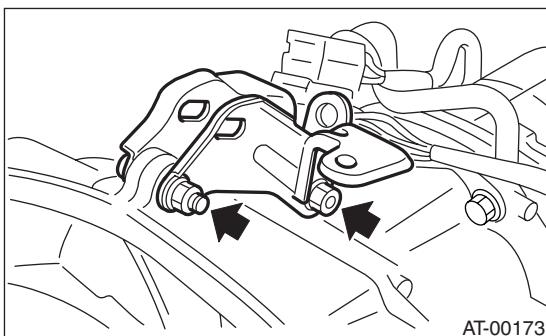
41 N·m (4.2 kgf-m, 30.4 ft-lb)



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

#### Tightening torque:

41 N·m (4.2 kgf-m, 30.4 ft-lb)



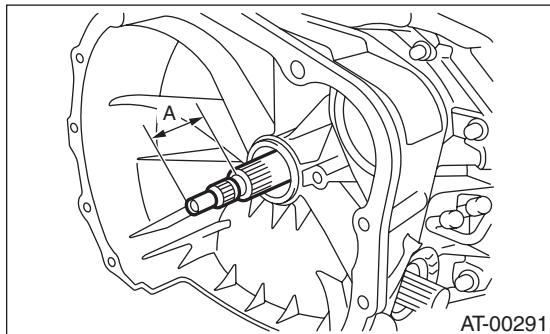
- 10) Insert inhibitor switch and transmission connector into stay.

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

- 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.>