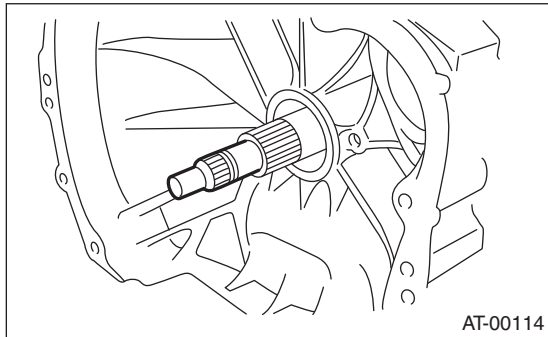


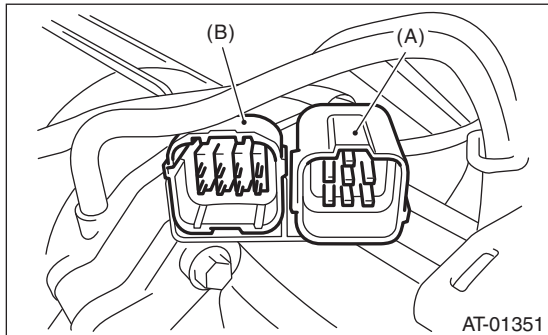
31. Converter Case

A: REMOVAL

- 1) Remove the transmission assembly from vehicle body. <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.



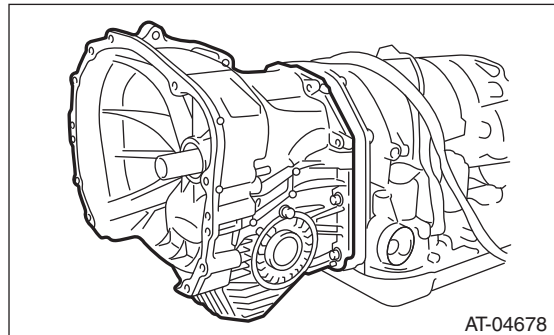
- (A) Transmission harness connectors
(B) Inhibitor switch connector

- 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-61, REMOVAL, ATF Cooler Pipe and Hose.>

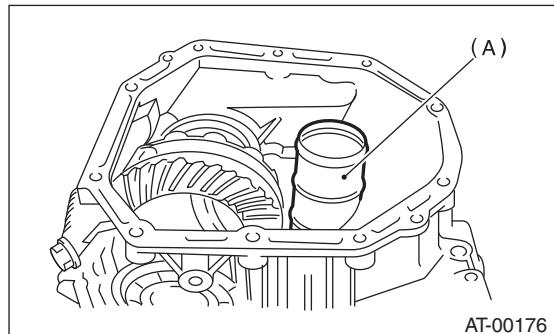
- 9) Remove the converter case alignment bolt, and then separate the transmission case and converter case by lightly tapping with a plastic hammer.

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.



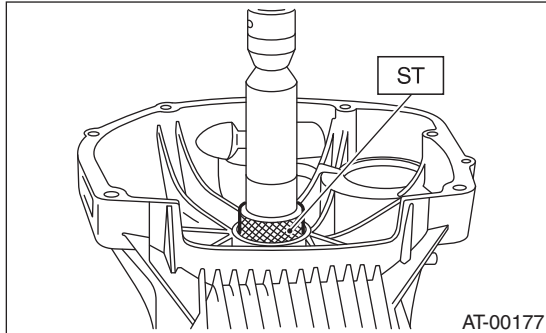
- (A) Seal pipe

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

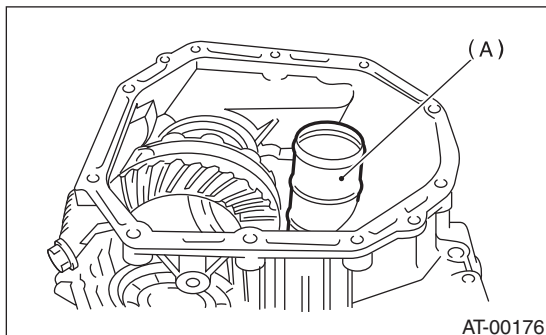
B: INSTALLATION

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

ST 398437700 DRIFT

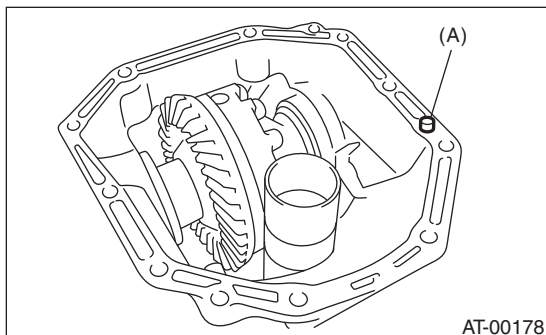


- 3) Install the front differential assembly to the case. <Ref. to 4AT-94, INSTALLATION, Front Differential Assembly.>
- 4) Install the right and left side retainers. <Ref. to 4AT-98, ADJUSTMENT, Front Differential Assembly.>
- 5) Install new seal pipe to converter case.



(A) Seal pipe

- 6) Install new rubber seal to converter case.

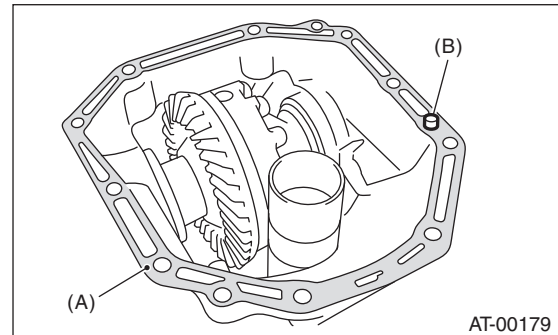


(A) Rubber seal

- 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 without damaging bushing and oil seal.

NOTE:

Use new bolts for the oil charge pipe.

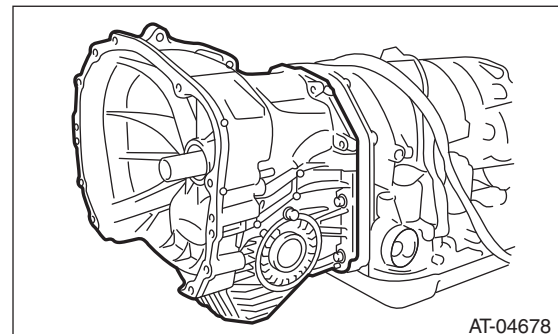
Tightening torque:

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)



AT-04678

- 9) Insert the inhibitor switch and transmission harness connector to 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.>

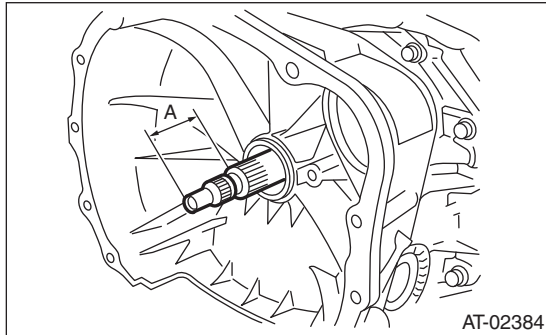
Converter Case

AUTOMATIC TRANSMISSION

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 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.>