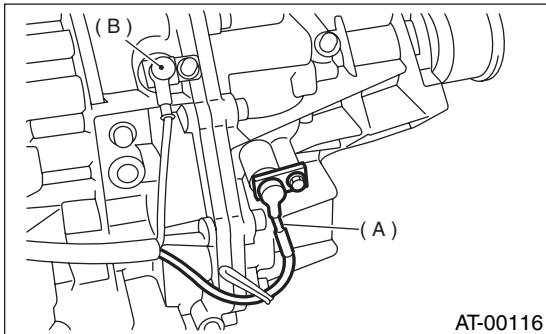


26. Extension Case

A: REMOVAL

- 1) Remove the transmission assembly.
<Ref. to AT-39, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the rear wheel speed sensor.

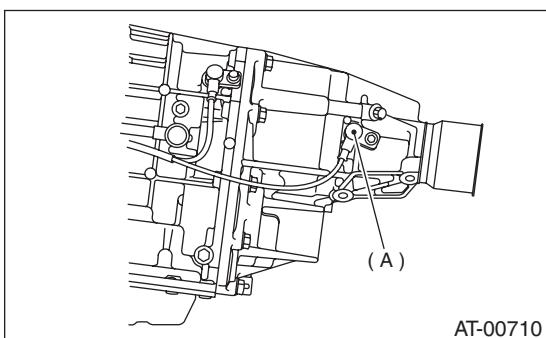
- MPT model



AT-00116

(A) Rear wheel speed sensor
(B) Front wheel speed sensor

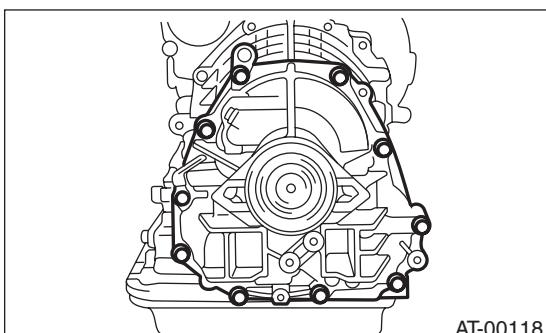
- VTD model



AT-00710

(A) Rear wheel speed sensor

- 3) Separate transmission case and extension case sections.



AT-00118

B: INSTALLATION

- 1) Attach the selected thrust needle bearing to the end surface of reduction drive gear with petrolatum.

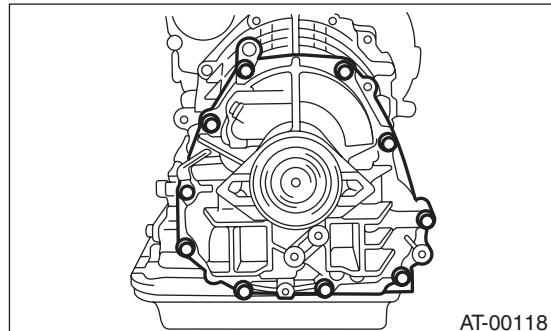
NOTE:

Install thrust needle bearing in the correct direction.

- 2) Install new gasket.
- 3) Install the extension case to the transmission case.
- 4) Tighten bolts to secure the case.

Tightening torque:

25 N·m (2.5 kgf-m, 18.1 ft-lb)



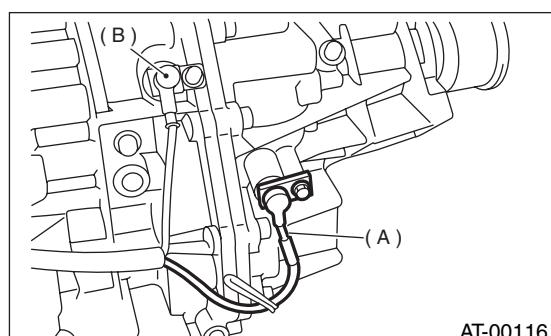
AT-00118

- 5) Install the rear wheel speed sensor.

Tightening torque:

7 N·m (0.7 kgf-m, 5.1 ft-lb)

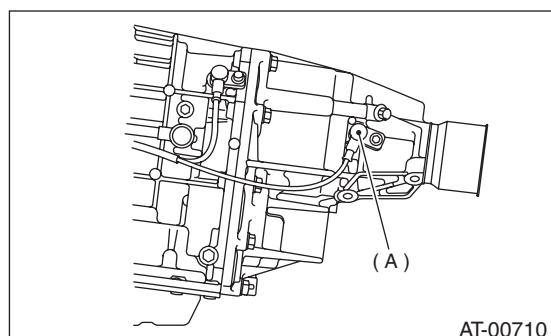
- MPT model



AT-00116

(A) Rear wheel speed sensor
(B) Front wheel speed sensor

- VTD model



AT-00710

(A) Rear wheel speed sensor

- 6) Install the transmission assembly.
<Ref. to AT-41, INSTALLATION, Automatic Transmission Assembly.>

EXTENSION CASE

AUTOMATIC TRANSMISSION

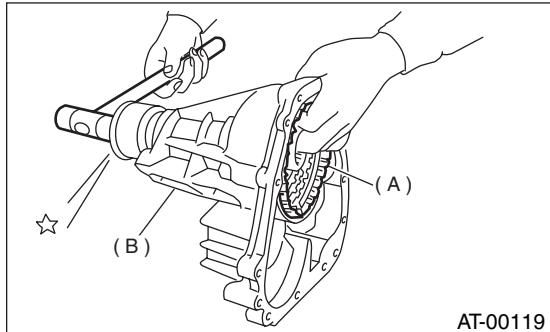
C: DISASSEMBLY

1. MPT MODEL

1) Take out the transfer clutch by lightly tapping the end of the rear drive shaft.

NOTE:

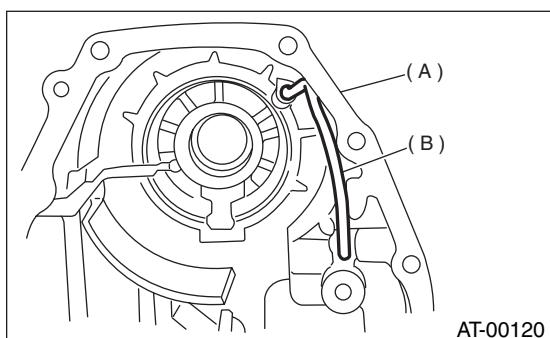
Be careful not to damage the oil seal in the extension.



(A) Extension case

(B) Transfer clutch

2) Remove the transmission clutch pipe without bending it.



(A) Extension case

(B) Transfer clutch pipe

3) Remove the dust cover from the extension case.

4) Remove the oil seal from the extension case.

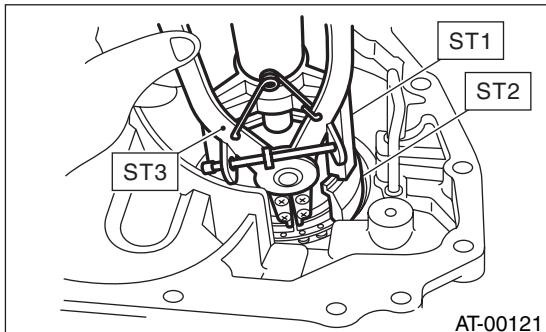
2. VTD MODEL

1) Using ST1, ST2, ST3 and a press, remove snap ring.

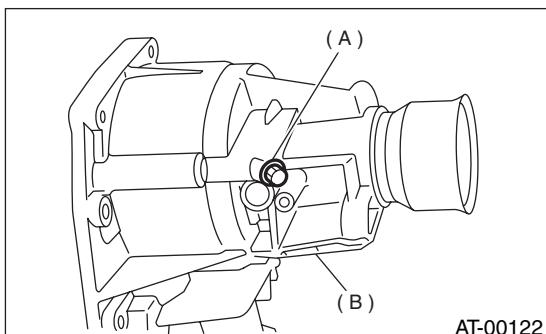
ST1 398673600 COMPRESSOR

ST2 498627100 Seat

ST3 398663600 PLIERS



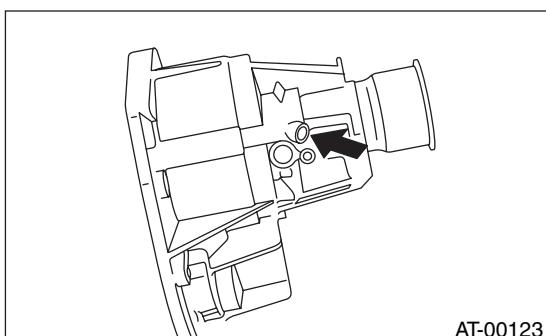
2) Remove the test plug.



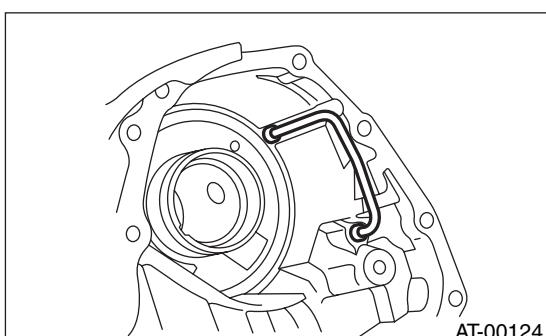
(A) Extension case

(B) Test plug

3) Remove clutch piston using compressed air.



4) Remove the transmission clutch pipe without bending pipe.



5) Remove the dust cover from the extension case.
6) Remove the oil seal from the extension case.

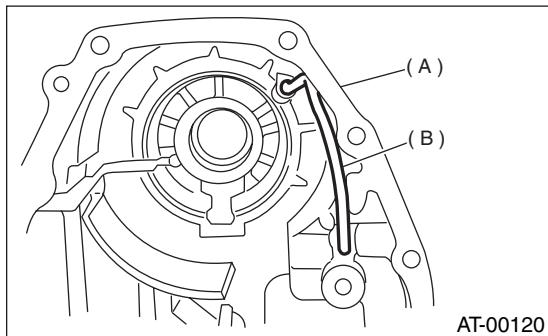
D: ASSEMBLY**1. MPT MODEL**

1) Using the ST and a press, press in a new oil seal.

ST 498057300 INSTALLER

2) Press in the dust cover.

3) Install the transfer clutch pipe to extension case without bending pipe.

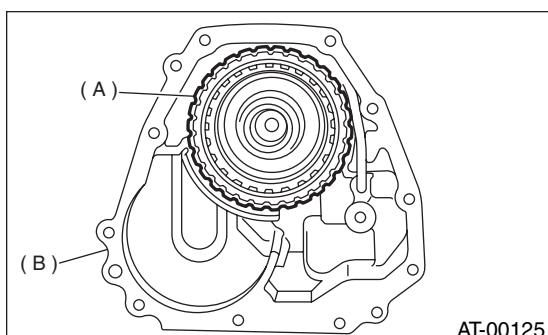


(A) Extension case
(B) Transfer pipe

4) Install the transfer clutch assembly to the case.

NOTE:

- Be careful not to damage the seal rings.
- Insert the clutch assembly fully into position until the bearing shoulder bottoms.



(A) Transfer clutch
(B) Extension case

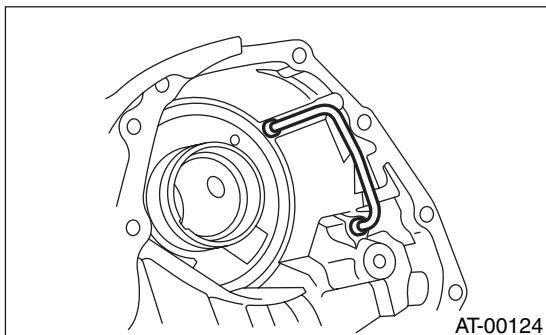
2. VTD MODEL

1) Using the ST and a press, press in a new oil seal.

ST 498057300 INSTALLER

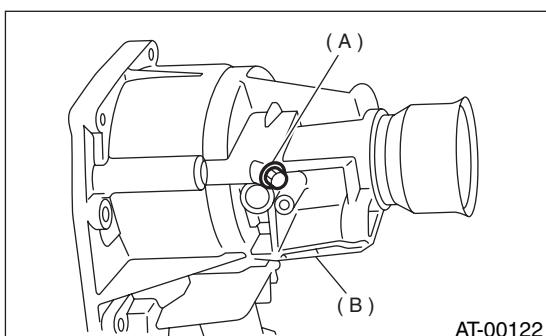
2) Press in the dust cover.

3) Install the transfer clutch pipe to extension case without bending pipe.



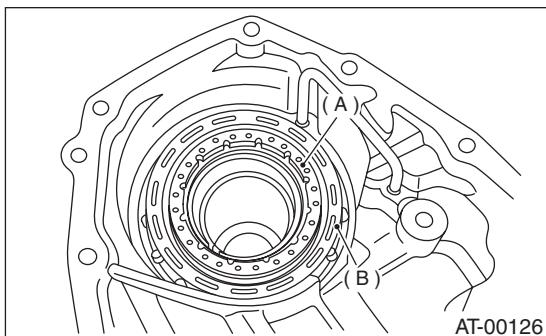
4) Install the test plug.

Tightening torque:
13 N·m (1.3 kgf-m, 9.4 ft-lb)



(A) Test plug
(B) Extension case

5) Insert multi-plate clutch, drive plate, driven plate and spring retainer.



(A) Spring retainer
(B) Multi-plate clutch (LSD) piston assembly

EXTENSION CASE

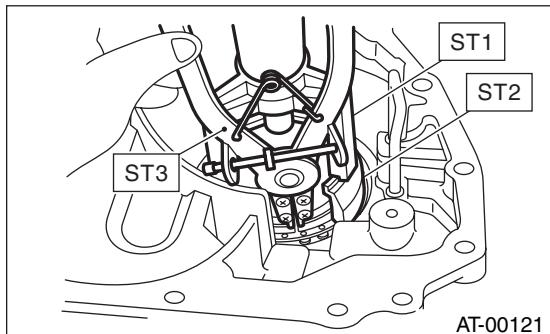
AUTOMATIC TRANSMISSION

6) Using ST1, ST2 and ST3, install snap ring.

ST1 398673600 COMPRESSOR

ST2 498627100 SEAT

ST3 398663600 PLIERS



E: INSPECTION

- Use forced air to make sure the transfer pipe and extension case routes are not clogged and do not leak.
- Measure the extension end play and adjust it to within specifications.

MPT model <Ref. to AT-87, MPT MODEL, ADJUSTMENT, Transfer Clutch.>

VTD model <Ref. to AT-88, VTD MODEL, ADJUSTMENT, Transfer Clutch.>