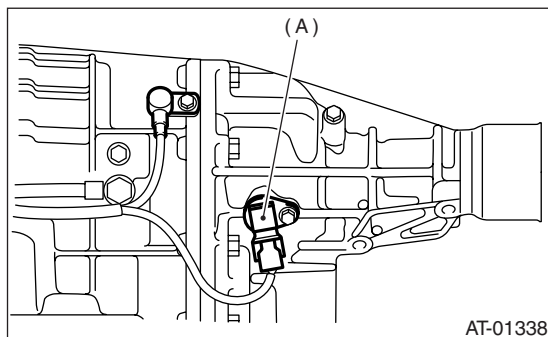


26.Extension Case

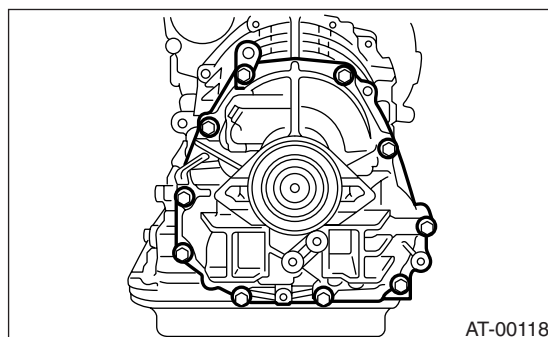
A: REMOVAL

- 1) Remove the transmission assembly.
<Ref. to 4AT-37, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the rear vehicle speed sensor.



(A) Rear vehicle speed sensor

- 3) Separate the transmission case and extension case section.



B: INSTALLATION

- 1) Apply vaseline to the selected thrust needle bearing, and install to the reduction drive gear end surface. <Ref. to 4AT-78, ADJUSTMENT, Transfer Clutch.>

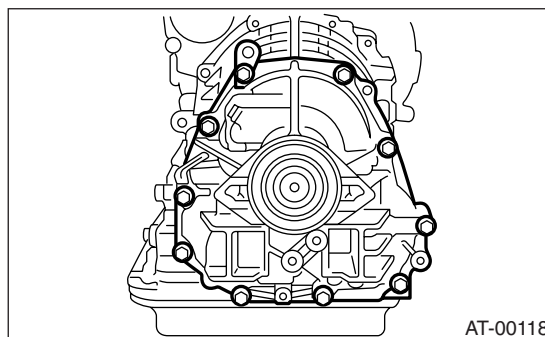
NOTE:

Install the thrust needle bearing in the correct direction.

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

Tightening torque:

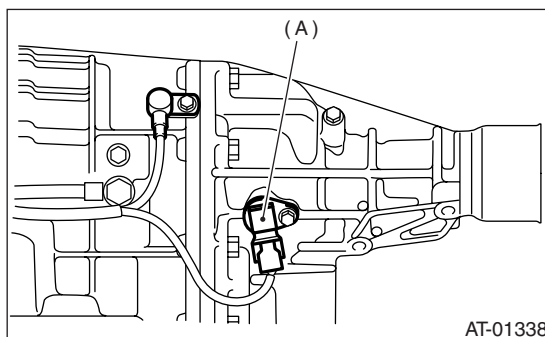
25 N·m (2.5 kgf-m, 18.1 ft-lb)



- 5) Install the rear vehicle speed sensor.

Tightening torque:

7 N·m (0.7 kgf-m, 5.1 ft-lb)



(A) Rear vehicle speed sensor

- 6) Install the transmission assembly.
<Ref. to 4AT-40, INSTALLATION, Automatic Transmission Assembly.>

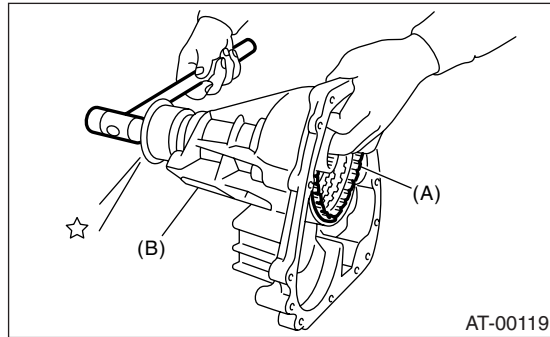
C: DISASSEMBLY

1. MPT MODEL

1) Take out the transfer clutch assembly by lightly tapping the end of rear drive shaft with a plastic hammer.

NOTE:

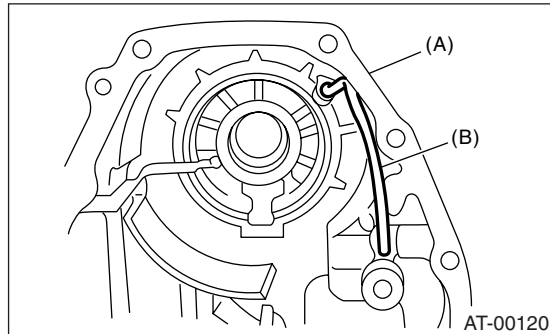
Be careful not to damage the oil seal of the extension.



(A) Extension case

(B) Transfer clutch assembly

2) Remove the transfer clutch pipe without bending the pipe.



(A) Extension case

(B) Transfer clutch pipe

3) Remove the dust cover from extension case.

4) Remove the oil seal from the extension case.

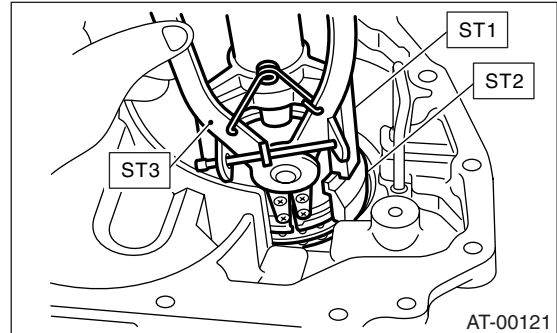
2. VTD MODEL

1) Extract the circlip with ST1, ST2 and ST3 and the press.

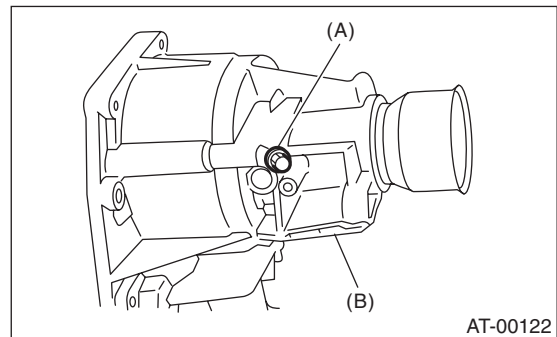
ST1 398673600 COMPRESSOR

ST2 498627100 SEAT

ST3 398663600 PLIERS



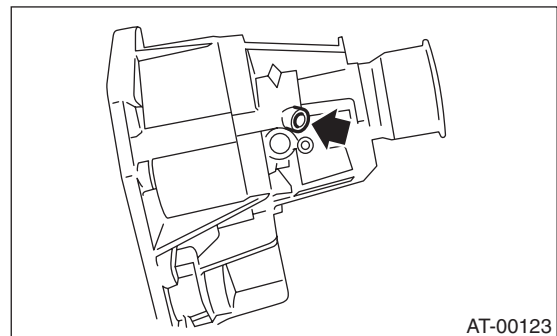
2) Remove the test plug.



(A) Extension case

(B) Test plug

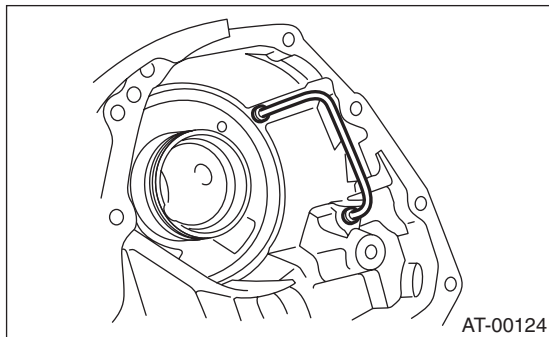
3) Remove the clutch piston using compressed air.



Extension Case

AUTOMATIC TRANSMISSION

- 4) Remove the transfer clutch pipe without bending the pipe.

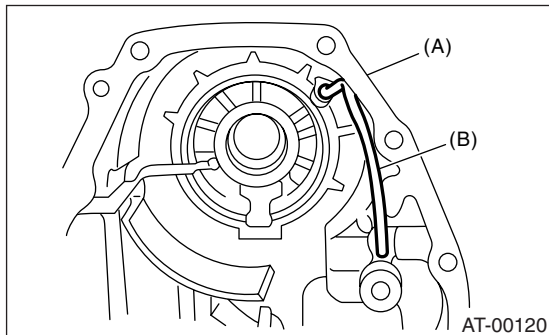


- 5) Remove the dust cover from extension case.
6) Remove the oil seal from the extension case.

D: ASSEMBLY

1. MPT MODEL

- 1) Press-fit the new oil seal using ST and the press.
ST 498057300 INSTALLER
2) Press-fit the dust cover.
3) Install the transfer clutch pipe to the extension case without bending the pipe.

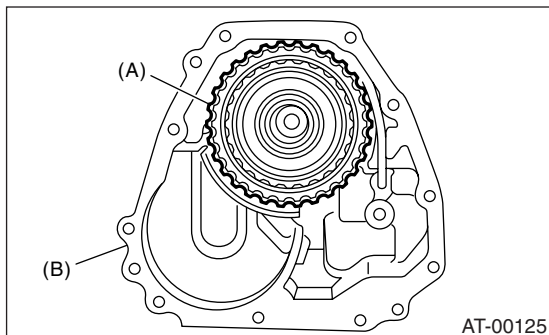


- (A) Extension case
(B) Transfer clutch pipe

- 4) Install the transfer clutch assembly to the case.

NOTE:

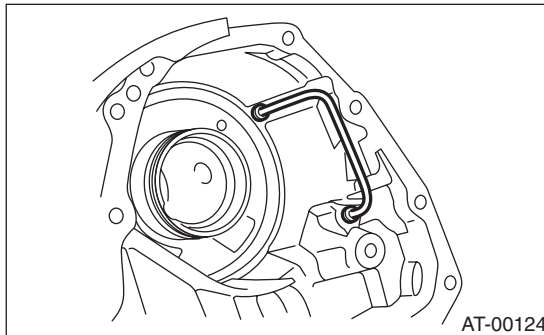
- Be careful not to damage the seal ring.
- Press-fit the transfer clutch assembly to bottom of bearing shoulder completely.



- (A) Transfer clutch assembly
(B) Extension case

2. VTD MODEL

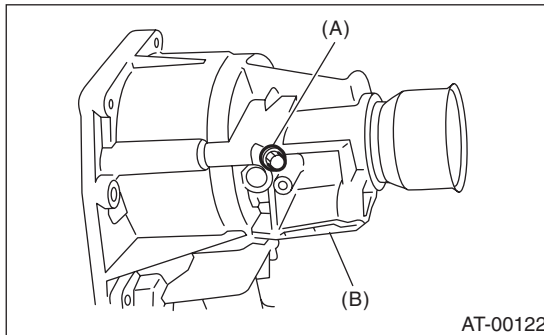
- 1) Press-fit the new oil seal using ST and the press.
ST 498057300 INSTALLER
2) Press-fit the dust cover.
3) Install the transfer clutch pipe to the extension case without bending the pipe.



- 4) Install the test plug.

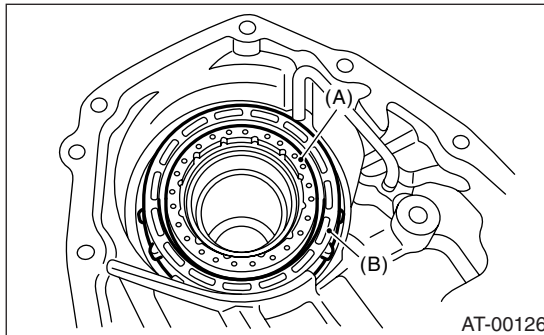
Tightening torque:

13 N·m (1.3 kgf-m, 9.4 ft-lb)



- (A) Test plug
(B) Extension case

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



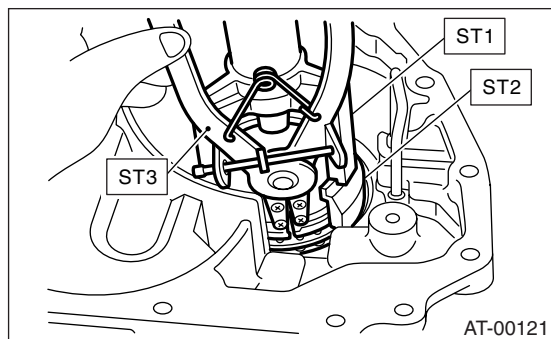
- (A) Spring retainer
(B) Multi-plate clutch (LSD) piston ASSY

6) Install the circlip using ST1, ST2 and ST3.

ST1 398673600 COMPRESSOR

ST2 498627100 SEAT

ST3 398663600 PLIERS



E: INSPECTION

- Use an air compressor to check that the transfer pipe and extension case routes are not clogged and are not leaking.

- Inspect the extension end play, and adjust it to be within the standard value. <Ref. to 4AT-78, ADJUSTMENT, Transfer Clutch.>

(Model with MPT)

<Ref. to 4AT-78, MPT MODEL, ADJUSTMENT, Transfer Clutch.>

(Model with VDC)

<Ref. to 4AT-78, VTD MODEL, ADJUSTMENT, Transfer Clutch.>