

29.Reduction Drive Gear

A: REMOVAL

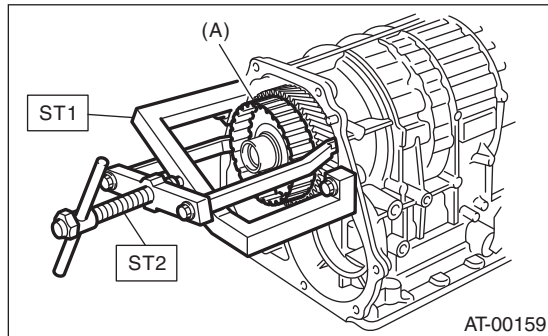
1) Remove the transmission assembly from vehicle body. <Ref. to 4AT-34, REMOVAL, Automatic Transmission Assembly.>

2) Remove the rear wheel speed sensor, and separate the extension case from transmission case. <Ref. to 4AT-68, REMOVAL, Extension Case.>

3) Remove the reduction driven gear. <Ref. to 4AT-75, REMOVAL, Reduction Driven Gear.>

4) Using the ST, extract the reduction drive gear assembly.

ST1 499737100 PULLER
ST2 899524100 PULLER SET



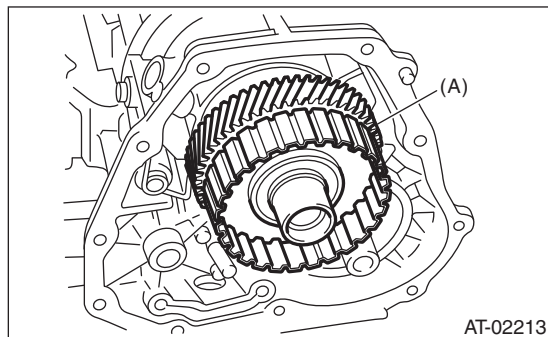
(A) Reduction drive gear ASSY

B: INSTALLATION

1) Install the reduction drive gear assembly.

NOTE:

Press-fit it to the bottom of bearing shoulder completely.



(A) Reduction drive gear ASSY

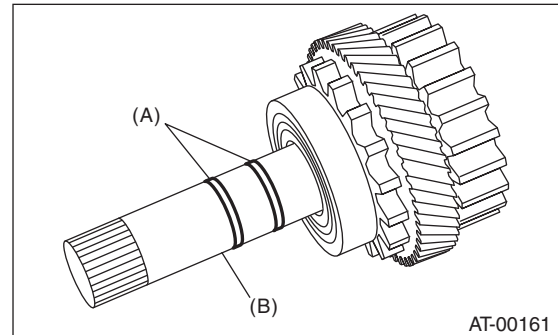
2) Install the reduction driven gear. <Ref. to 4AT-75, INSTALLATION, Reduction Driven Gear.>

3) Join the transmission case and the extension case, and then install the rear vehicle speed sensor. <Ref. to 4AT-68, INSTALLATION, Extension Case.>

4) Install the transmission assembly to the vehicle. <Ref. to 4AT-37, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

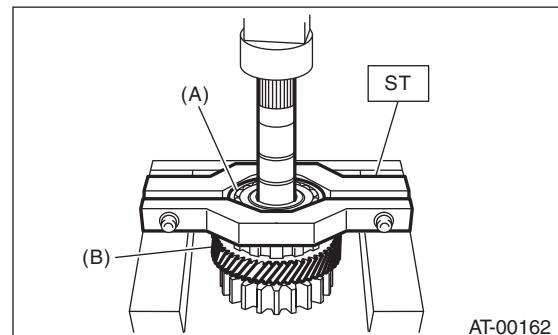
1) Take out the seal ring.



(A) Seal ring
(B) Reduction drive shaft

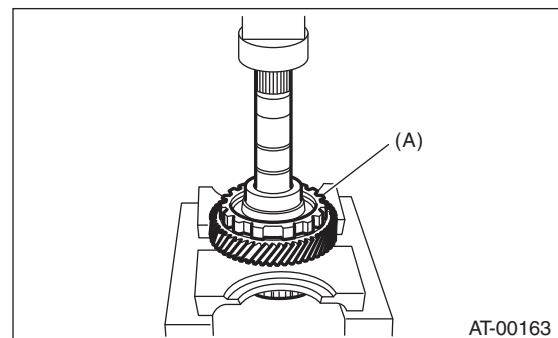
2) Remove the ball bearing using ST.

ST 498077600 REMOVER



(A) Ball bearing
(B) Reduction drive gear

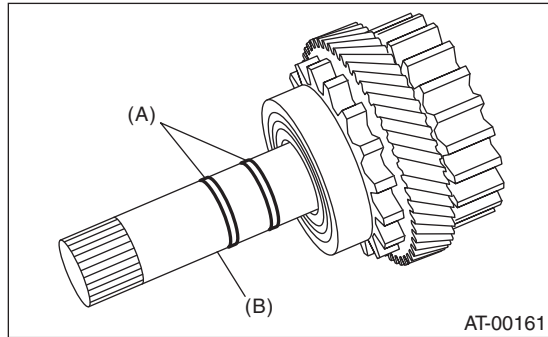
3) Apply vaseline to the outer surface of seal ring and shaft groove.



(A) Reduction drive gear

D: ASSEMBLY

- 1) Press-fit the reduction drive gear to shaft.
- 2) Press-fit the new ball bearing into reduction drive gear.
- 3) Apply vaseline onto the seal ring outer surface and shaft grooves.
- 4) Apply ATF to new seal rings, then install.



(A) Seal ring

(B) Reduction drive shaft

E: INSPECTION

- Rotate the bearing by hand, and check that it rotates smoothly.
- Check parts for holes, damage or adhesion of dust and other foreign particles.
- Inspect the extension end play, and adjust it to the standard value. <Ref. to 4AT-74, ADJUSTMENT, Transfer Clutch.>