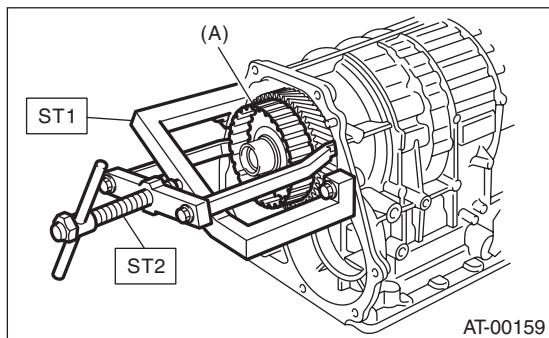


### 28. Reduction Drive Gear

#### A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to 4AT-34, REMOVAL, Automatic Transmission Assembly.>
- 2) Separate the extension case from the transmission case. <Ref. to 4AT-65, REMOVAL, Extension Case.>
- 3) Remove the reduction driven gear. <Ref. to 4AT-72, REMOVAL, Reduction Driven Gear.>
- 4) Using the ST, extract the reduction drive gear assembly.

ST1 499737100 PULLER SET  
ST2 899524100 PULLER SET



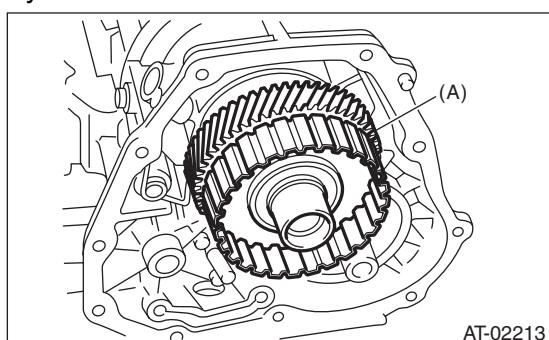
(A) Reduction drive gear ASSY

#### B: INSTALLATION

- 1) Install the reduction drive gear assembly.

NOTE:

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

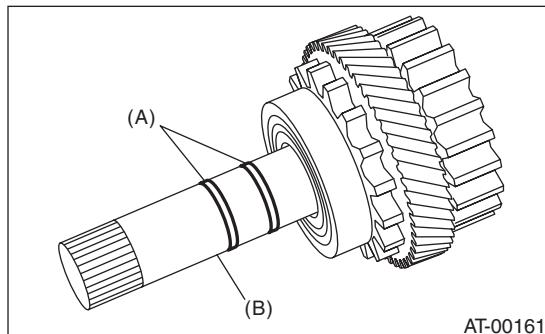


(A) Reduction drive gear ASSY

- 2) Install the reduction driven gear. <Ref. to 4AT-72, INSTALLATION, Reduction Driven Gear.>
- 3) Connect the transmission case with the extension case. <Ref. to 4AT-65, INSTALLATION, Extension Case.>
- 4) Install the transmission assembly to the vehicle. <Ref. to 4AT-37, INSTALLATION, Automatic Transmission Assembly.>

#### C: DISASSEMBLY

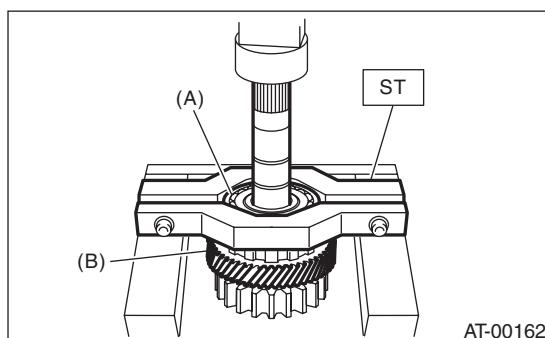
- 1) Take out the seal ring.



(A) Seal ring  
(B) Reduction drive shaft

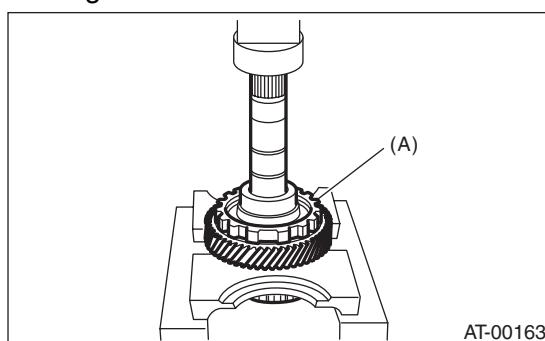
- 2) Remove the ball bearing using ST.

ST 498077600 REMOVER



(A) Ball bearing  
(B) Reduction drive gear

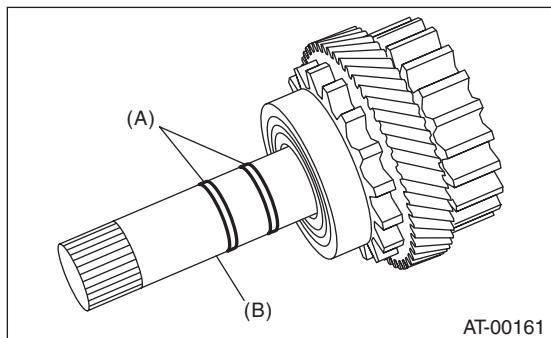
- 3) Apply vaseline to the outer surface of seal ring and shaft groove.



(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-70, ADJUSTMENT, Transfer Clutch.>