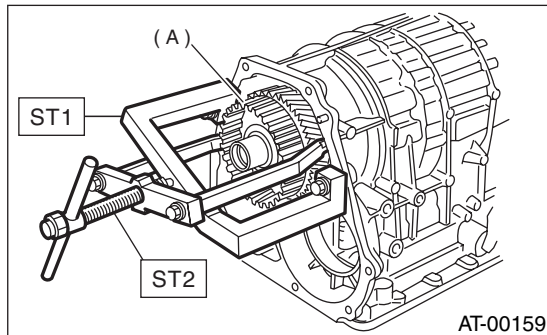


## 33.Reduction Drive Gear

### A: REMOVAL

- 1) Remove the transmission assembly from the vehicle. <Ref. to 4AT-39, REMOVAL.>
- 2) Remove rear vehicle speed sensor, and separate the transmission case and extension case. <Ref. to 4AT-85, REMOVAL.>
- 3) Remove the reduction driven gear. <Ref. to 4AT-97, REMOVAL.>
- 4) Using ST, extract the reduction drive gear.

ST1 499737000 PULLER  
 ST2 899524100 PULLER SET



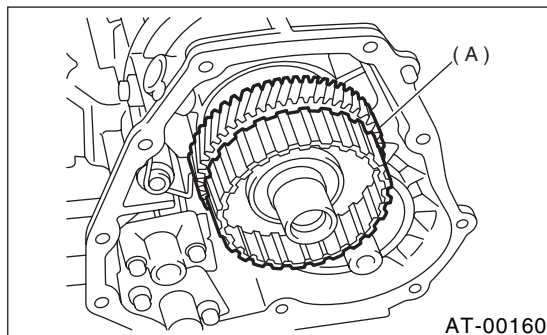
(A) Reduction drive gear

### B: INSTALLATION

- 1) Install the reduction drive gear assembly.

**NOTE:**

Insert it fully into position until the bearing shoulder bottoms.

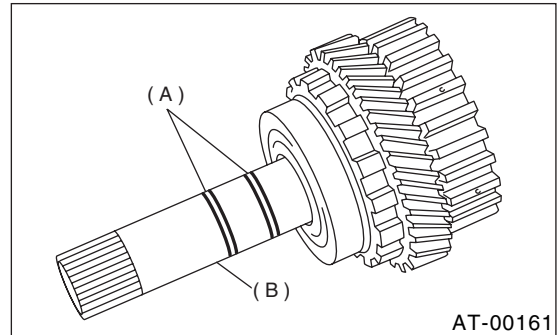


(A) Reduction drive gear

- 2) Install the reduction driven gear. <Ref. to 4AT-97, INSTALLATION.>
- 3) Combine the transmission case with the extension case, and install rear vehicle speed sensor. <Ref. to 4AT-85, INSTALLATION.>
- 4) Install the transmission assembly to the vehicle. <Ref. to 4AT-42, INSTALLATION.>

### C: DISASSEMBLY

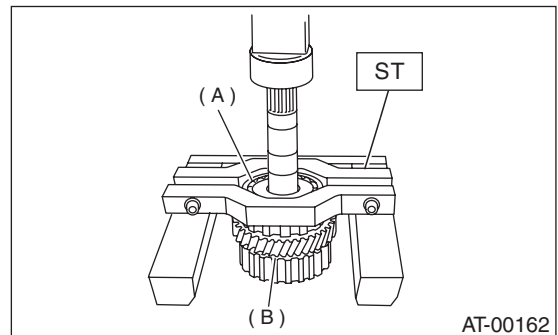
- 1) Take out the seal rings.



(A) Seal rings  
 (B) Reduction drive shaft

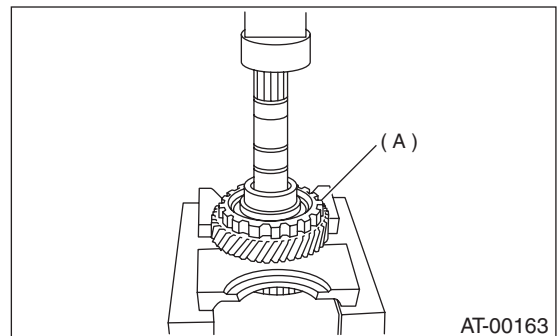
- 2) Using ST, remove the ball bearing.

ST 498077600 REMOVER



(A) Ball bearing  
 (B) Reduction drive gear

- 3) Using a press, remove the reduction drive gear.



(A) Reduction drive gear

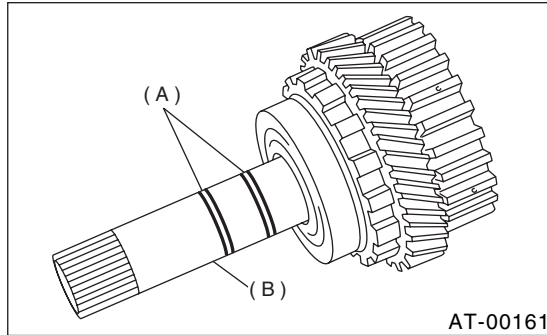
# REDUCTION DRIVE GEAR

AUTOMATIC TRANSMISSION

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## D: ASSEMBLY

- 1) Press-fit the reduction drive gear to the shaft.
- 2) Press-fit a new ball bearing to the reduction drive gear.
- 3) Apply vaseline to the outer surface of seal ring and shaft groove.
- 4) Attach a new seal rings.



- (A) Seal rings  
(B) Reduction drive shaft

## E: INSPECTION

- Rotate the bearing by hand, make sure it rotates smoothly.
- Make sure that each component is free of harmful gouges, cuts, or dust.
- Measure the extension end play and adjust it to within specifications.<Ref. to 4AT-92, ADJUSTMENT.>