

### 31.Reduction Drive Gear

#### A: REMOVAL

1) Remove the transmission assembly from the vehicle. <Ref. to AT-39, REMOVAL, Automatic Transmission Assembly.>

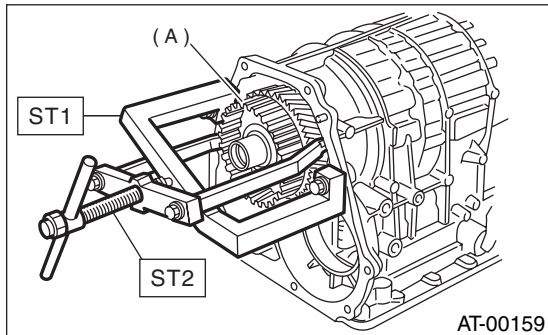
2) Remove rear vehicle speed sensor, and separate the extension case from transmission case. <Ref. to AT-79, REMOVAL, Extension Case.>

3) Remove the reduction driven gear. <Ref. to AT-93, REMOVAL, Reduction Driven Gear.>

4) Using ST, extract the reduction drive gear.

ST1 499737100 PULLER

ST2 899524100 PULLER SET



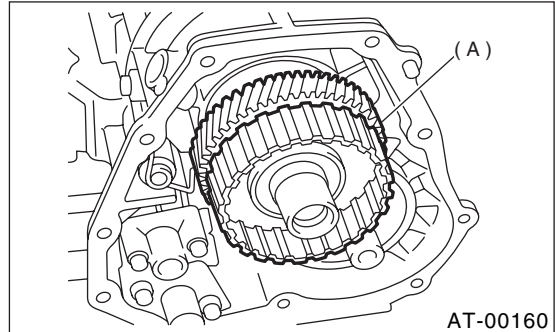
(A) Reduction drive gear

#### 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 reduction driven gear. <Ref. to AT-94, INSTALLATION, Reduction Driven Gear.>

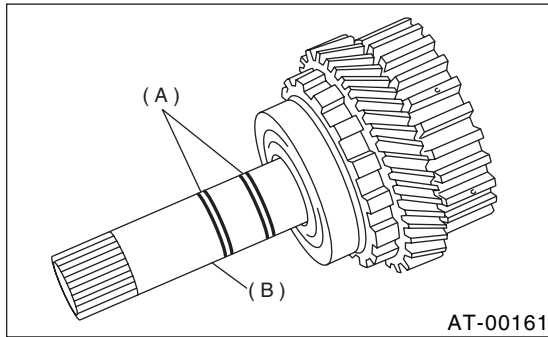
3) Combine the transmission case with the extension case, and install rear vehicle speed sensor. <Ref. to AT-79, INSTALLATION, Extension Case.>

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



## C: DISASSEMBLY

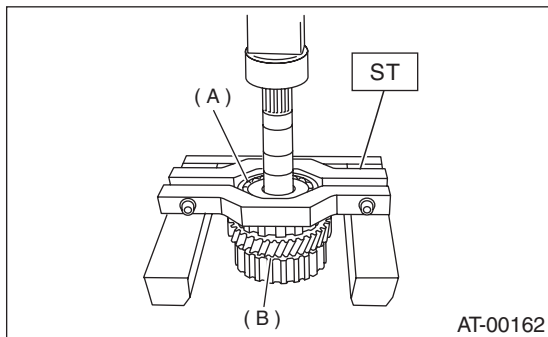
1) Take out the seal rings.



(A) Seal ring

(B) Reduction drive shaft

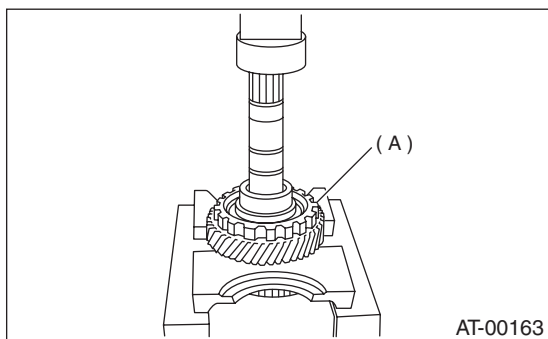
2) Using ST, remove the ball bearing.  
ST 498077600 REMOVER



(A) Ball bearing

(B) Reduction drive gear

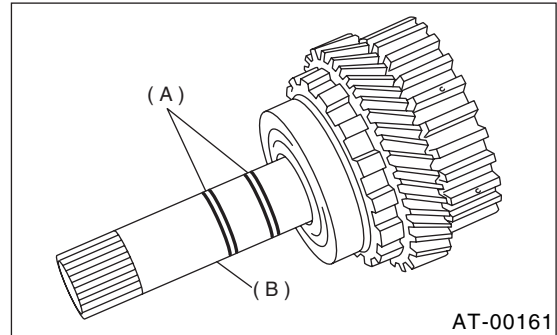
3) Using a press, remove the reduction drive gear.



(A) Reduction drive gear

## D: ASSEMBLY

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



(A) Seal ring

(B) Reduction drive shaft

## E: INSPECTION

- Rotate 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 AT-87, ADJUSTMENT, Transfer Clutch.>