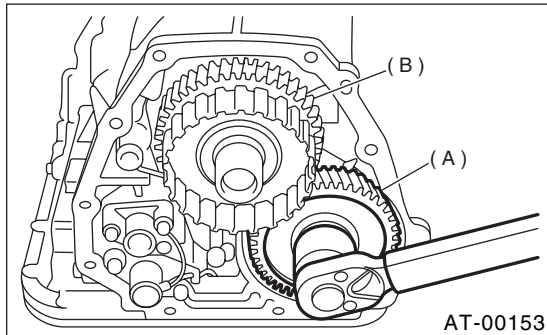


### 30.Reduction Driven Gear

#### A: REMOVAL

##### 1. MPT MODEL

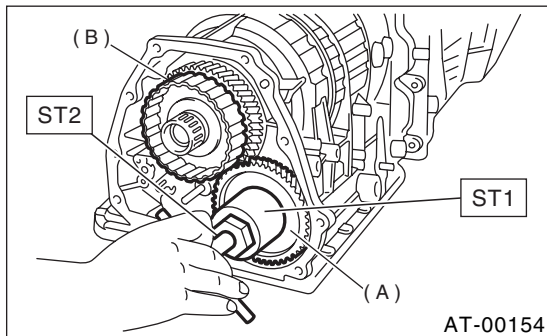
- 1) Remove the transmission assembly from the vehicle. <Ref. to AT-39, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove rear wheel speed sensor, and separate the extension case from transmission case. <Ref. to AT-79, REMOVAL, Extension Case.>
- 3) Set the range select lever to "P".
- 4) Straighten the staked portion, and remove the lock nut.



- (A) Reduction driven gear  
(B) Reduction drive gear

- 5) Using the ST1 and ST2, extract the reduction driven gear.

ST1 499737000 PULLER  
ST2 899524100 PULLER SET

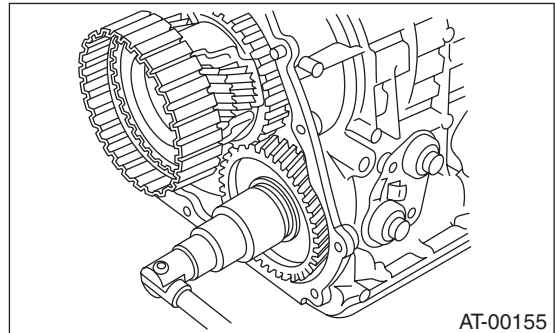


- (A) Reduction driven gear  
(B) Reduction drive gear

##### 2. VTD MODEL

- 1) Remove the transmission assembly from the vehicle. <Ref. to AT-39, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove rear wheel speed sensor, and separate the extension case from transmission case. <Ref. to AT-79, REMOVAL, Extension Case.>

- 3) Remove the rear drive shaft. <Ref. to AT-92, REMOVAL, Rear Drive Shaft.>
- 4) Set the range select lever to "P".
- 5) Straighten the staked portion, and remove the lock nut.



- 6) Using the ST1 and ST2, extract the reduction driven gear.

ST1 499737000 PULLER  
ST2 899524100 PULLER SET

- 7) Extract the center differential assembly. <Ref. to AT-98, REMOVAL, Center Differential Carrier.>

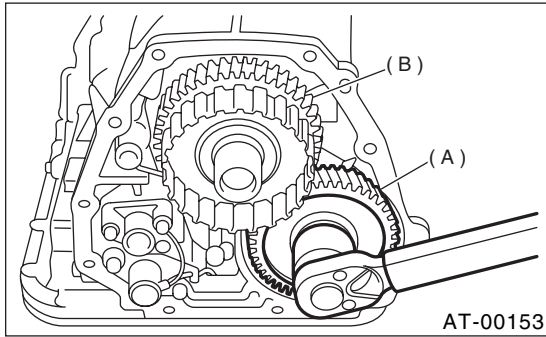
### B: INSTALLATION

#### 1. MPT MODEL

- 1) Set the range select lever to "P".
- 2) Using a plastic hammer, install reduction driven gear assembly and new washer, and tighten new drive pinion lock nut.

##### **Tightening torque:**

**100 N·m (10.2 kgf-m, 73.8 ft-lb)**



- (A) Reduction driven gear  
(B) Reduction drive gear

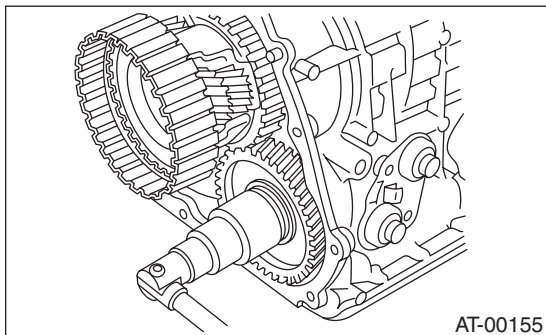
- 3) After tightening, stake the lock nut securely.
- 4) Combine the transmission case with the extension case, and install rear wheel speed sensor. <Ref. to AT-79, INSTALLATION, Extension Case.>
- 5) Install the transmission assembly to the vehicle. <Ref. to AT-41, INSTALLATION, Automatic Transmission Assembly.>

#### 2. VTD MODEL

- 1) Set the range select lever to "P".
- 2) Using a plastic hammer, install the reduction driven gear assembly.
- 3) Using a plastic hammer, install the center differential.
- 4) Install a new self locknut and washer.

##### **Tightening torque:**

**100 N·m (10.2 kgf-m, 73.8 ft-lb)**

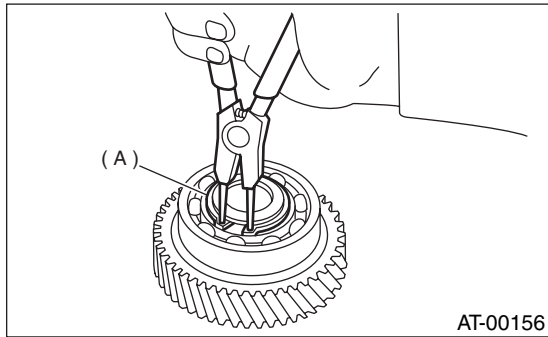


- 5) After tightening, stake the lock nut securely.
- 6) Insert the rear drive shaft assembly. <Ref. to AT-92, INSTALLATION, Rear Drive Shaft.>

- 7) Combine the transmission case with the extension case, and install rear wheel speed sensor. <Ref. to AT-79, INSTALLATION, Extension Case.>
- 8) Install the transmission assembly to the vehicle. <Ref. to AT-41, INSTALLATION, Automatic Transmission Assembly.>

### C: DISASSEMBLY

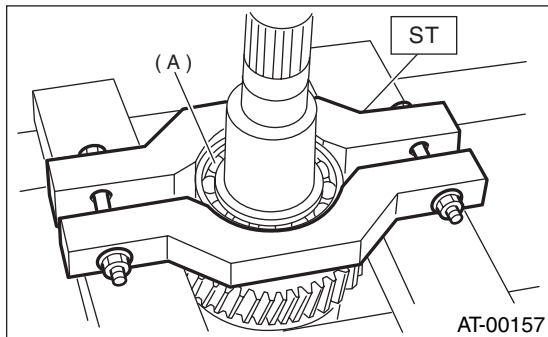
1) Remove snap ring from reduction driven gear.



(A) Snap ring

2) Using ST, remove ball bearing from reduction driven gear.

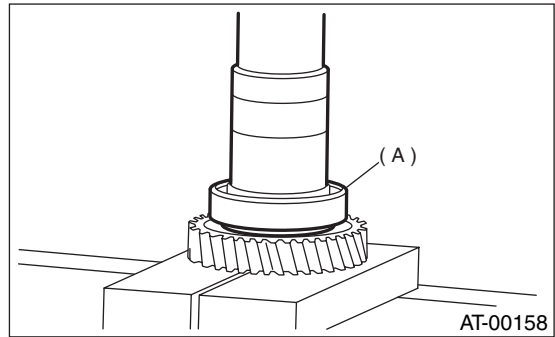
ST 498077600 REMOVER



(A) Ball bearing

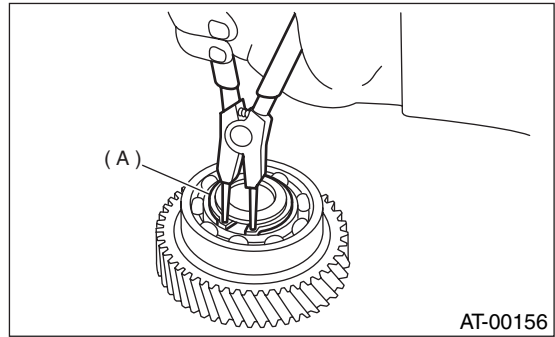
### D: ASSEMBLY

1) Using a press, install a new ball bearing to reduction driven gear.



(A) Ball bearing

2) Install snap ring to reduction driven gear.



(A) Snap ring

### E: INSPECTION

Check ball bearing and gear for dents or damage.