

REDUCTION DRIVEN GEAR

Automatic Transmission

12. Reduction Driven Gear S510590

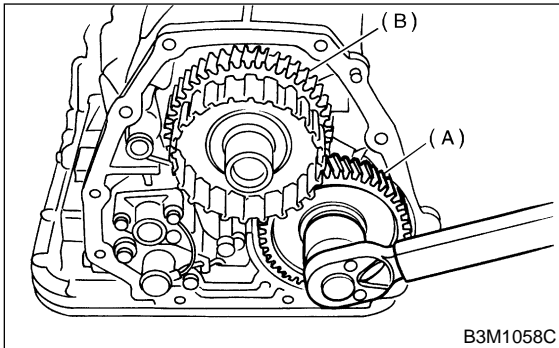
A: REMOVAL S510590A18

1. WITHOUT VTD S510590A1801

- 1) Remove rear vehicle speed sensor, and separate the transmission case and extension case. <Ref. to AT-36, REMOVAL, Extension Case.>
- 2) Straighten the staked portion, and remove the lock nut.

NOTE:

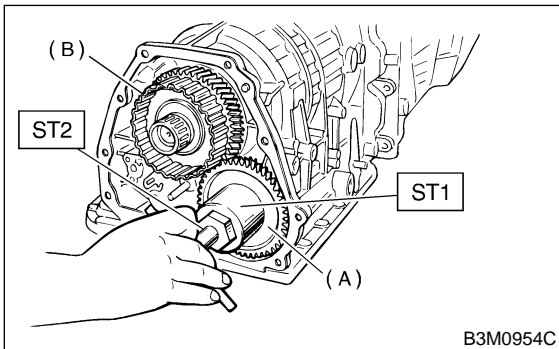
Set the range select lever to "P".



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

- 3) 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

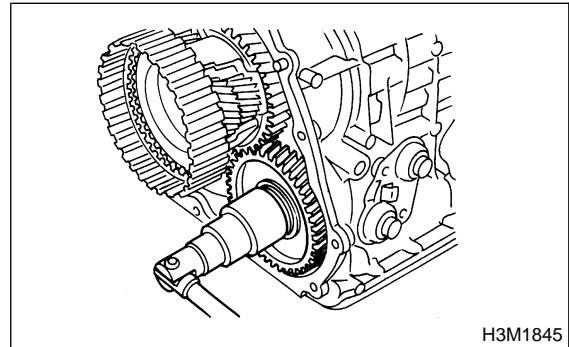
2. WITH VTD S510590A1802

- 1) Remove the rear vehicle speed sensor, and separate the transmission case and extension case. <Ref. to AT-36, REMOVAL, Extension Case.>
- 2) Remove the rear drive shaft. <Ref. to AT-47, REMOVAL, Rear Drive Shaft.>

- 3) Straighten the staked portion, and remove the lock nut.

NOTE:

Set the range select lever to "P".



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

ST1 499737000 PULLER
ST2 899524100 PULLER SET

- 5) Extract center differential assembly. <Ref. to AT-53, REMOVAL, Center Differential Carrier.>

B: INSTALLATION S510590A11

1. WITHOUT VTD S510590A1101

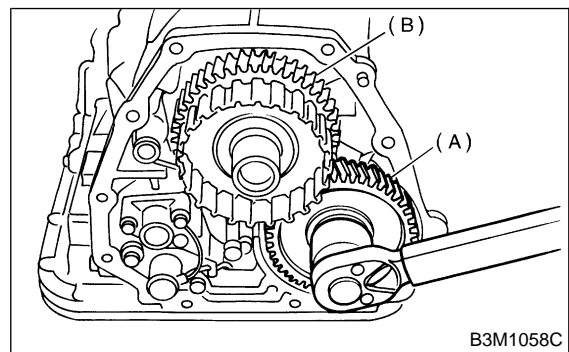
- 1) Using a plastic hammer, install reduction driven gear assembly and new washer, and tighten new drive pinion lock nut.

NOTE:

- Set the select lever in the "P" range.
- After tightening, stake the lock nut securely.

Tightening torque:

100 N·m (10.2 kgf·m, 73.8 ft·lb)



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

- 2) Combine the transmission case with the extension case, and install rear vehicle speed sensor. <Ref. to AT-36, INSTALLATION, Extension Case.>

2. WITH VTD S510590A1102

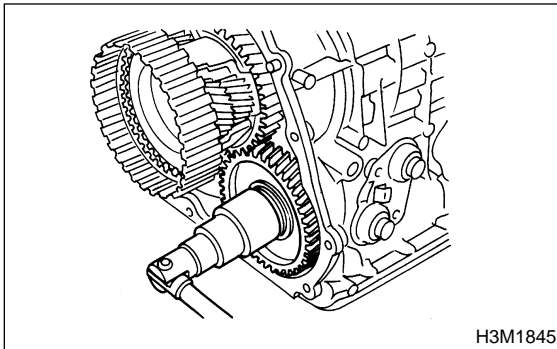
- 1) Using a plastic hammer, install reduction driven gear assembly.
- 2) Using a plastic hammer, install center differential.
- 3) Tighten drive pinion lock nut.

NOTE:

- Be sure to use a new lock nut and a washer.
- Set the range select lever in the "P" range.
- After tightening, stake the lock nut securely.

Tightening torque:

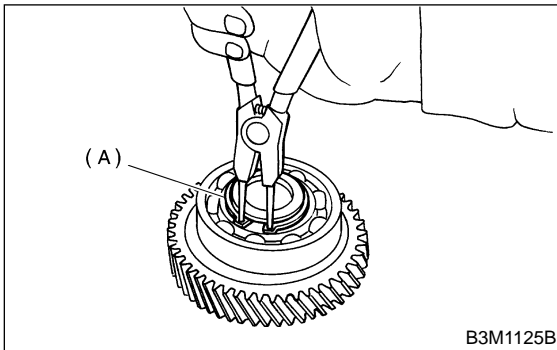
100 N·m (10.2 kgf·m, 73.8 ft·lb)



- 4) Insert the rear drive shaft assembly. <Ref. to AT-47, INSTALLATION, Rear Drive Shaft.>
- 5) Combine the transmission case with the extension case, and install rear vehicle speed sensor. <Ref. to AT-36, INSTALLATION, Extension Case.>

C: DISASSEMBLY S510590A06

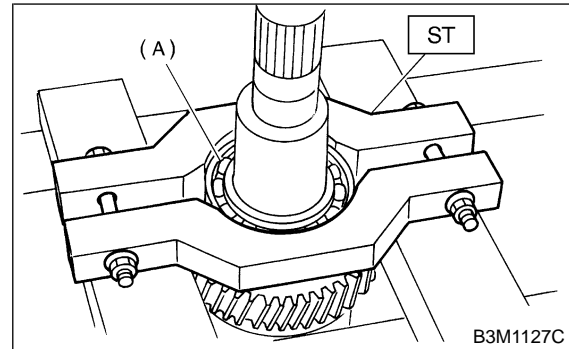
- 1) Remove snap ring from reduction driven gear.



(A) Snap ring

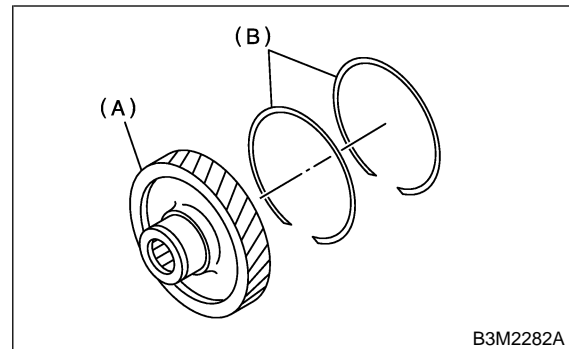
- 2) Using ST, remove ball bearing from reduction driven gear.

ST 498077600 REMOVER



(A) Ball bearing

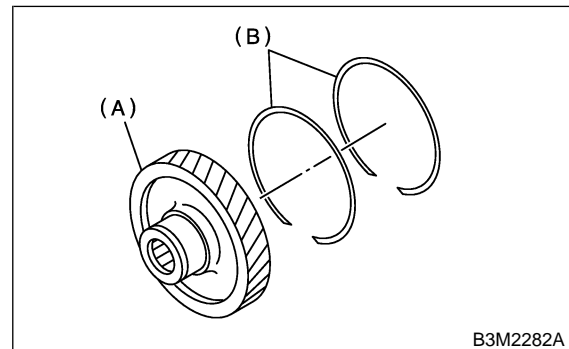
- 3) Remove snap rings from reduction driven gear. (Legacy 2.5 L US model and 3.0 L model)



(A) Reduction driven gear
(B) Snap ring

D: ASSEMBLY S510590A02

- 1) Install snap rings to reduction driven gear. (Legacy 2.5 L US model and 3.0 L model)

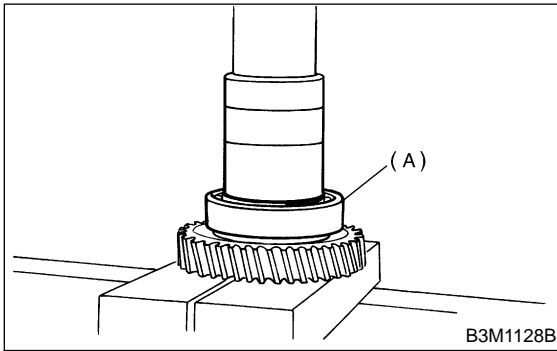


(A) Reduction driven gear
(B) Snap ring

REDUCTION DRIVEN GEAR

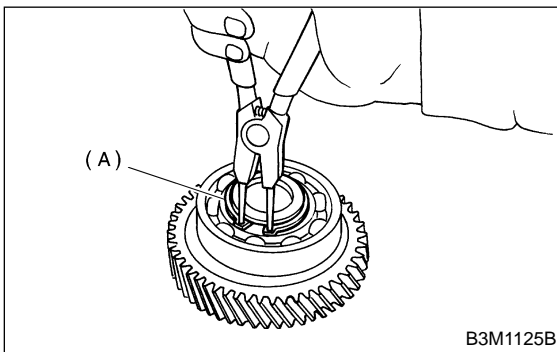
Automatic Transmission

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



(A) Ball bearing

3) Install snap ring to reduction driven gear.



(A) Snap ring

E: INSPECTION S510590A10

Check ball bearing and gear for dents or damage.