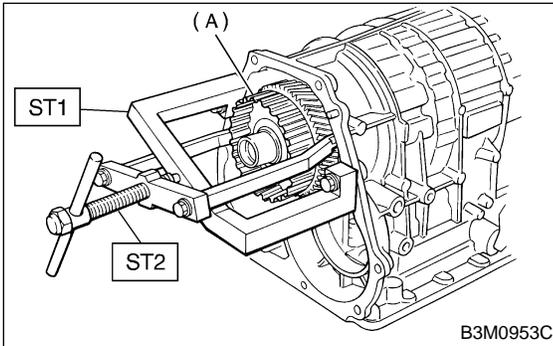


13. Reduction Drive Gear S510591

A: REMOVAL S510591A18

- 1) Remove rear vehicle speed sensor, and separate the transmission case and extension case. <Ref. to AT-36, REMOVAL, Extension Case.>
- 2) Remove the reduction driven gear. <Ref. to AT-48, WITHOUT VTD, REMOVAL, Reduction Driven Gear.>
- 3) Using ST, extract the reduction drive gear.
ST1 499737100 PULLER
ST2 899524100 PULLER SET

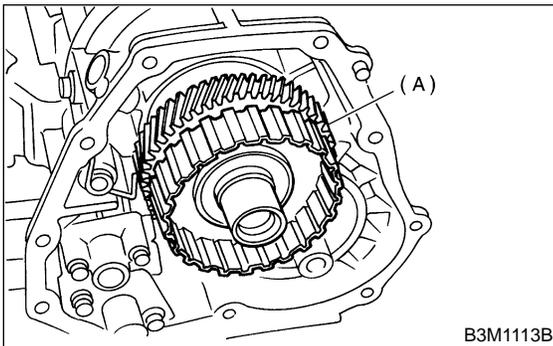


(A) Reduction drive gear

B: INSTALLATION S510591A11

- 1) Install the reduction drive gear assembly.

NOTE:
Insert it fully into position until the bearing shoulder bottoms.



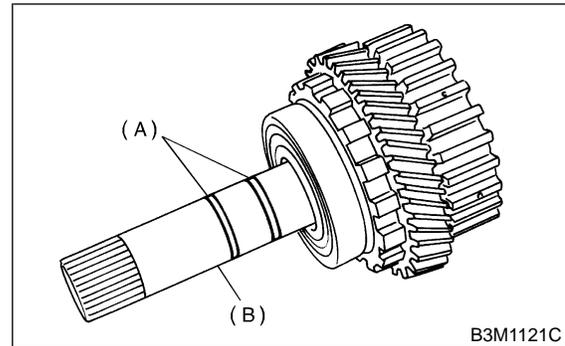
(A) Reduction drive gear

- 2) Install the reduction driven gear. <Ref. to AT-48, WITHOUT VTD, INSTALLATION, Reduction Drive Gear.>
- 3) Combine the transmission case with the extension case, and install rear vehicle speed sensor. <Ref. to AT-36, INSTALLATION, Extension Case.>

C: DISASSEMBLY S510591A06

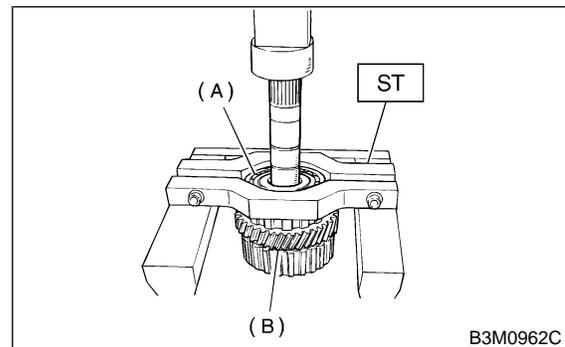
- 1) Take out the seal rings.

NOTE:
Be careful not to damage the seal rings.



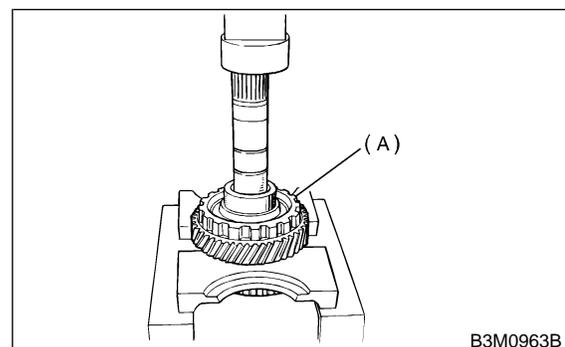
(A) Seal rings
(B) Reduction drive shaft

- 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

D: ASSEMBLY S510591A02

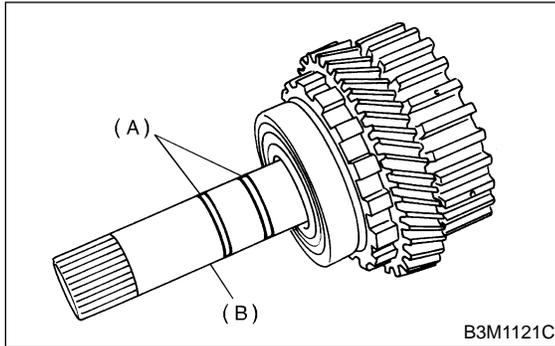
- 1) Press-fit the reduction drive gear to the shaft.
- 2) Press-fit the ball bearing to the reduction drive gear.
- 3) Attach new seal rings.

REDUCTION DRIVE GEAR

Automatic Transmission

NOTE:

To make subsequent assembly easier, apply vaseline to the grooves of the shaft and to the exterior of the seal ring.



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

E: INSPECTION S510591A10

- 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-44, WITHOUT VTD, ADJUSTMENT, Transfer Clutch.>