

29.Center Differential Carrier

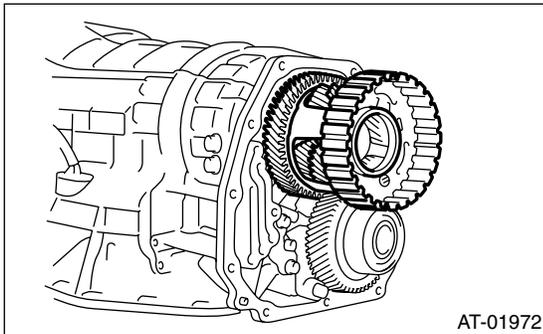
A: REMOVAL

1) Remove the transmission assembly from vehicle. <Ref. to 5AT-38, REMOVAL, Automatic Transmission Assembly.>

2) Remove the rear wheel speed sensor, and separate the extension case and intermediate case from transmission case. <Ref. to 5AT-68, REMOVAL, Extension Case and Intermediate Case.>

3) Pull out the rear drive shaft. <Ref. to 5AT-72, REMOVAL, Rear Drive Shaft.>

4) Pull out the center differential carrier assembly.



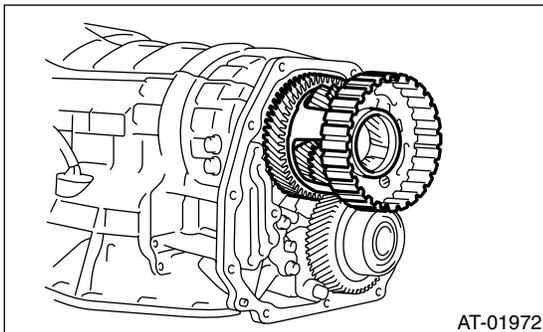
5) Pull out the shim(s) from transmission case.

B: INSTALLATION

1) Install the center differential assembly with the shim(s).

NOTE:

Press-fit it to the bottom of bearing shoulder completely.



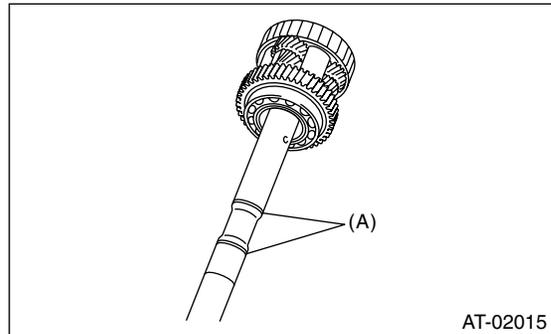
2) Insert the rear drive shaft. <Ref. to 5AT-72, INSTALLATION, Rear Drive Shaft.>

3) Connect the transmission case, extension case and intermediate case, and install the rear wheel speed sensor. <Ref. to 5AT-68, INSTALLATION, Extension Case and Intermediate Case.>

4) Install the transmission assembly into vehicle. <Ref. to 5AT-42, INSTALLATION, Automatic Transmission Assembly.>

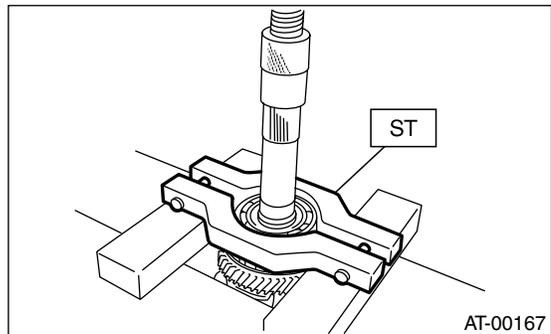
C: DISASSEMBLY

1) Remove the seal ring.

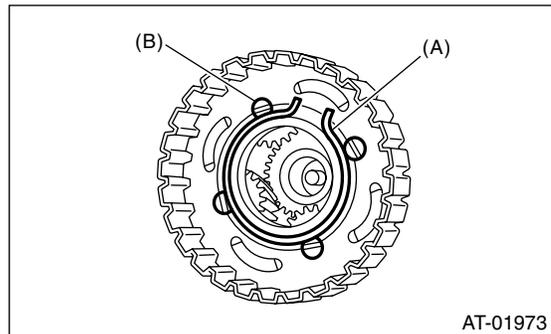


(A) Seal ring

2) Using a press and ST, remove the ball bearing.
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3) Remove the snap ring, and pull out the shaft from center differential assembly.



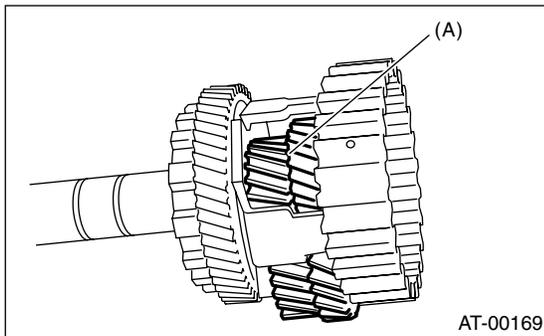
(A) Snap ring

(B) Shaft

Center Differential Carrier

AUTOMATIC TRANSMISSION

4) Remove the thrust washers, pinion gears and washers from center differential assembly.



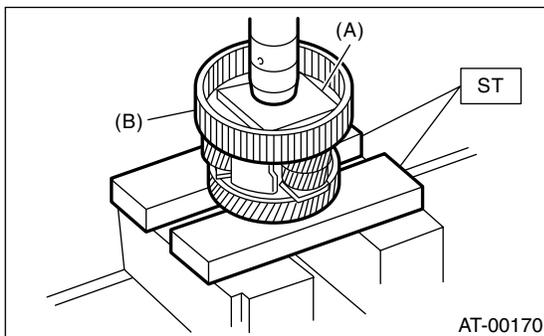
(A) Pinion gear

5) Pull out the intermediate shaft and thrust bearing.

D: ASSEMBLY

- 1) Install the thrust washer onto intermediate shaft.
- 2) Install the thrust bearing onto intermediate shaft.
- 3) Install the pinion gears and washers.
- 4) Insert the shaft into the center differential assembly.
- 5) Install the snap ring.
- 6) Using a press, install a new ball bearing into the center differential assembly.

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(A) Plate

(B) Center differential carrier

7) Apply vaseline onto the seal ring outer surface and shaft grooves.

8) Install a new seal rings.

E: INSPECTION

- Check each parts for holes, damages or other foreign matters.
- Inspect the extension end play and adjust it to within specifications. <Ref. to 5AT-70, ADJUSTMENT, Transfer Clutch.>