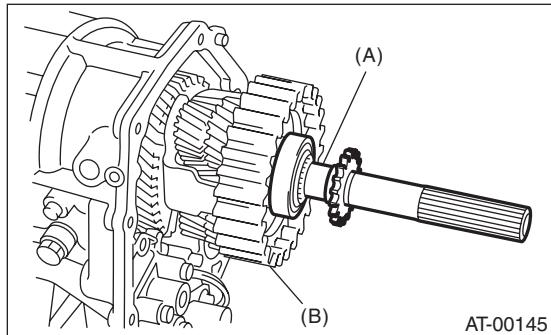


29. Rear Drive Shaft

A: REMOVAL

- 1) Remove the transmission assembly from vehicle body. <Ref. to 4AT-37, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the rear wheel speed sensor, and separate the extension case from transmission case. <Ref. to 4AT-70, REMOVAL, Extension Case.>
- 3) Pull out the rear drive shaft from center differential assembly.



(A) Rear drive shaft
(B) Center differential carrier

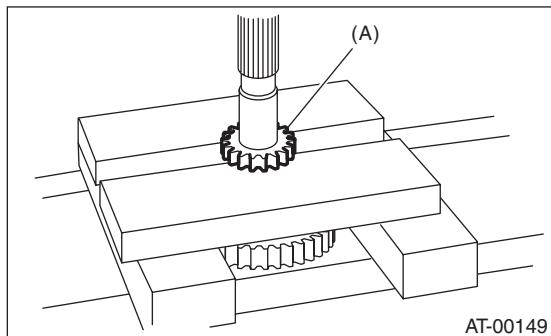
- 4) Remove the drive plate and driven plate.

B: INSTALLATION

- 1) Select the shim. <Ref. to 4AT-78, VTD MODEL, ADJUSTMENT, Transfer Clutch.>
- 2) Install the drive plate and driven plate.
- 3) Insert the rear drive shaft into the center differential assembly.
- 4) Join the transmission case and the extension case, and then install the rear vehicle speed sensor. <Ref. to 4AT-70, INSTALLATION, Extension Case.>
- 5) Install the transmission assembly to the vehicle. <Ref. to 4AT-40, INSTALLATION, Automatic Transmission Assembly.>

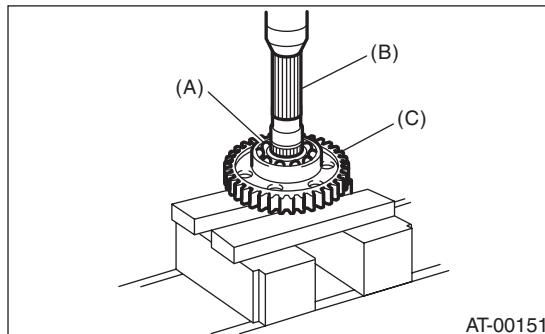
C: DISASSEMBLY

- 1) Remove the revolution gear using a press.



(A) Revolution gear

- 2) Remove the front and rear side ball bearings and clutch hub using a press.



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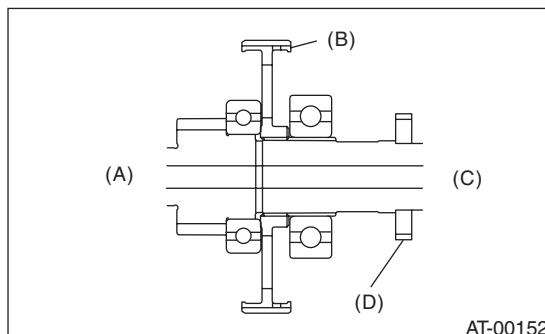
(A) Rear ball bearing
(B) Rear drive shaft
(C) Clutch hub

D: ASSEMBLY

Assemble in the reverse order of disassembly.

NOTE:

- Use new ball bearings and revolution gear.
- Make sure the clutch hub is facing the correct direction.



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(A) Front side
(B) Clutch hub
(C) Rear side
(D) Revolution gear

E: INSPECTION

- Make sure there are no holes, cutting damage or other foreign materials on each parts.
- Inspect the extension end play, and adjust it to be within the standard value. <Ref. to 4AT-78, VTD MODEL, ADJUSTMENT, Transfer Clutch.>