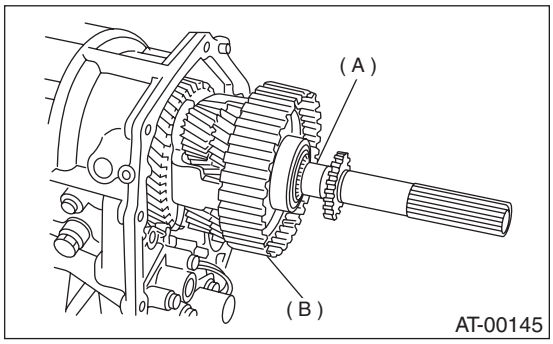
29.Rear Drive Shaft

A: REMOVAL

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 from the center differential assembly.



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

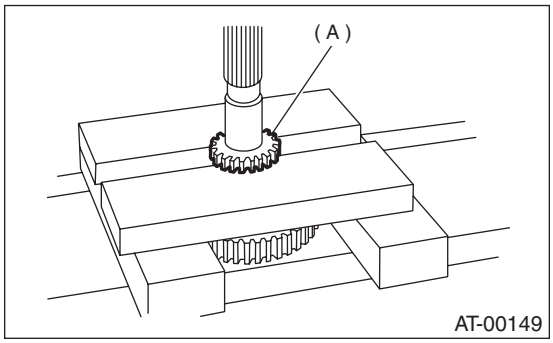
4) Remove drive and driven plates.

B: INSTALLATION

1) Select shims. <Ref. to AT-88, VTD MODEL, ADJUSTMENT, Transfer Clutch.>
2) Install drive and driven plates.
3) Insert the rear drive shaft into the center differential assembly.
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.>

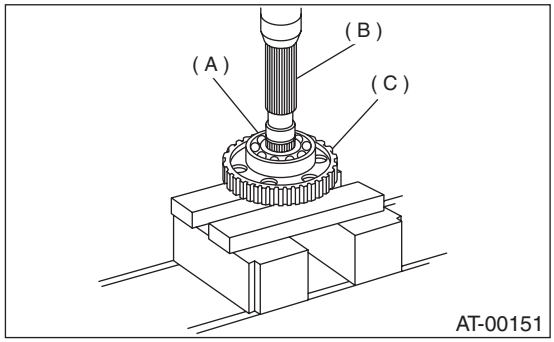
C: DISASSEMBLY

1) Using a press, remove the revolution gear.



(A) Revolution gear

2) Using a press, remove front and side ball bearings and the clutch hub.

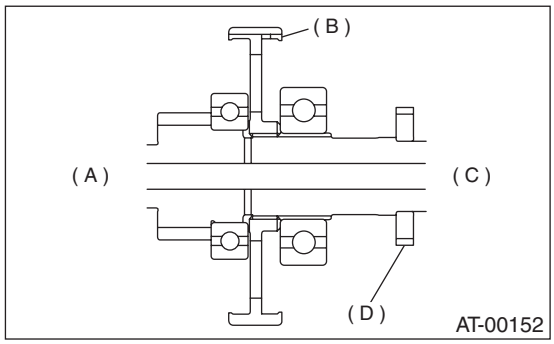


(A) Rear ball bearing
(B) Rear drive shaft
(C) Clutch hub

D: ASSEMBLY

To assemble, reverse order of disassembly.

NOTE:
- Use new ball bearings and revolution gear.
- Pay attention to the orientation of the clutch hub.



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

E: INSPECTION

- 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-88, VTD MODEL, ADJUSTMENT, Transfer Clutch.>