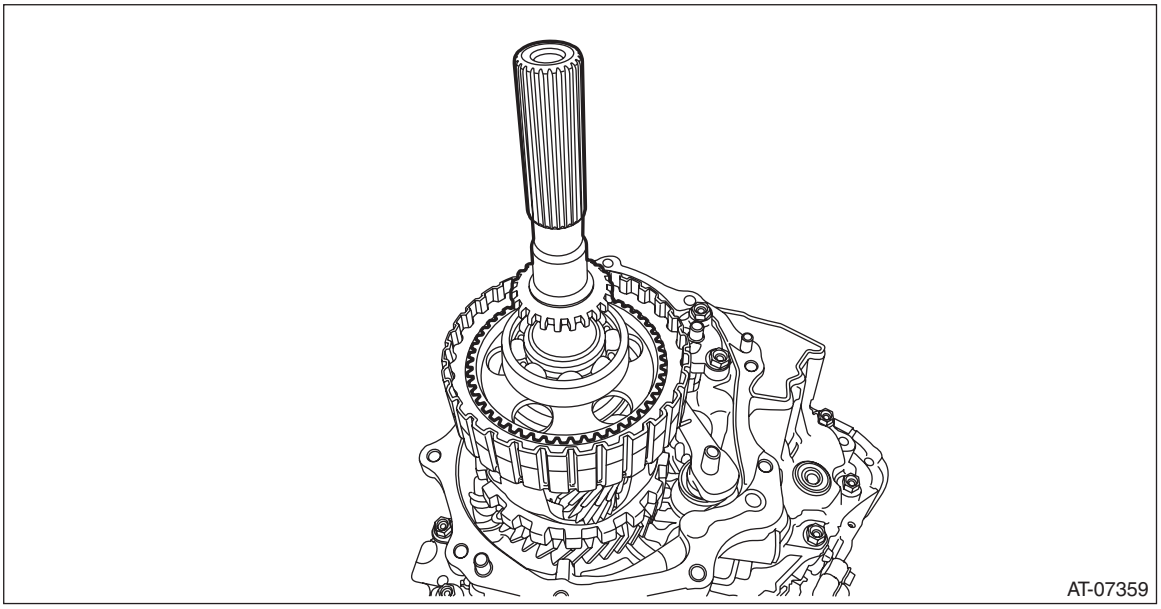
29.Rear Drive Shaft

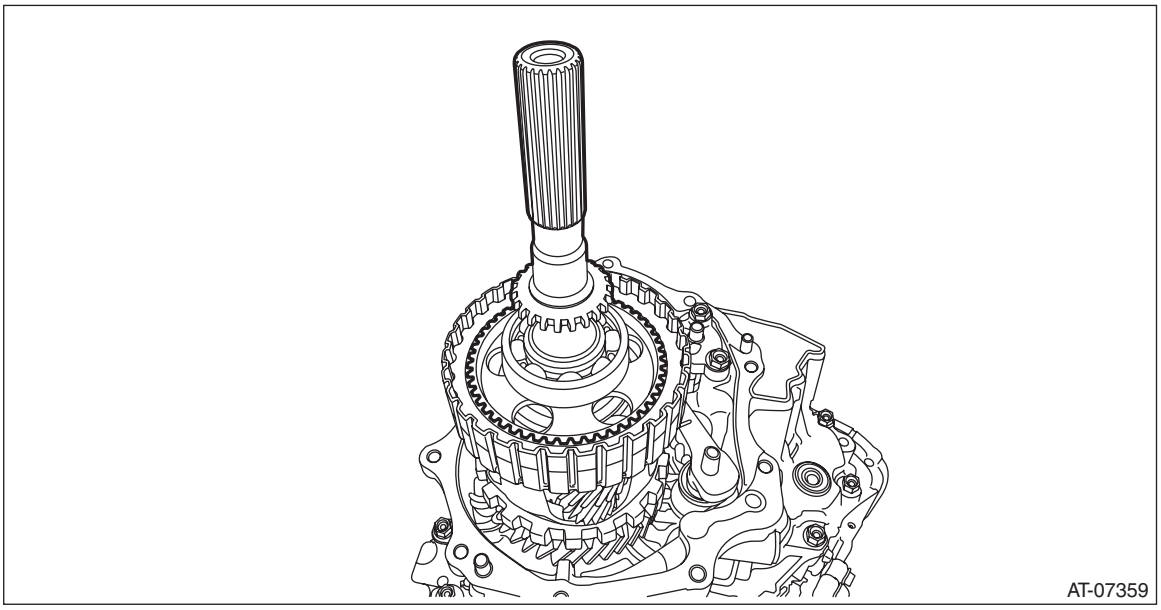
A: REMOVAL

1) Remove the transmission assembly from the vehicle. <Ref. to CVT(TR690)-56, REMOVAL, Automatic Transmission Assembly.>
2) Remove the extension case. <Ref. to CVT(TR690)-142, REMOVAL, Extension Case.>
3) Remove the rear drive shaft.



B: INSTALLATION

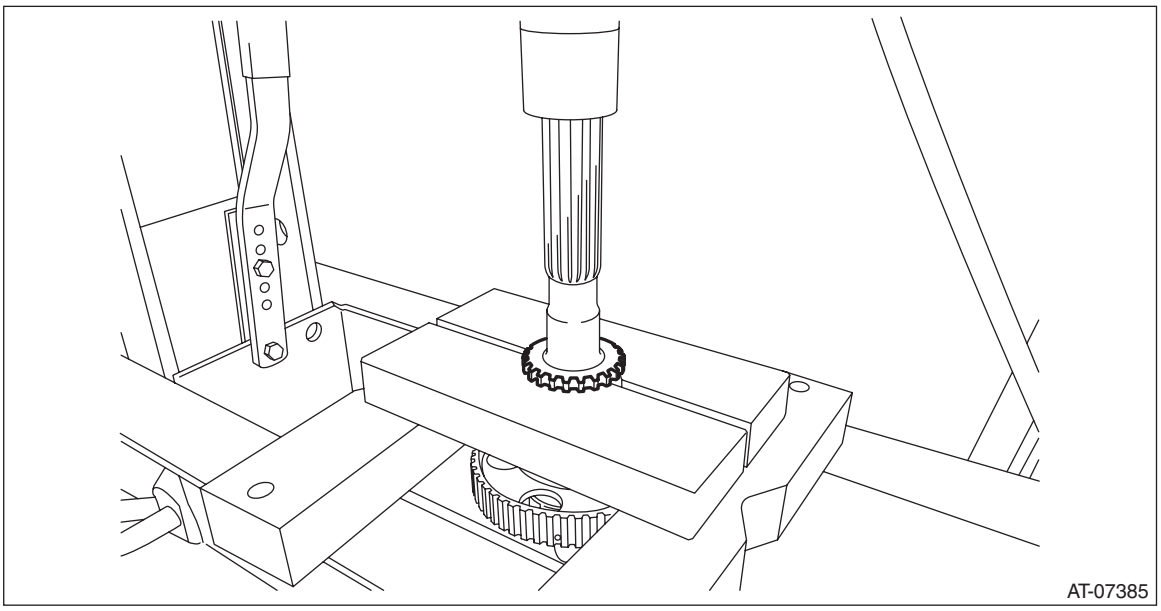
1) Install the rear drive shaft.



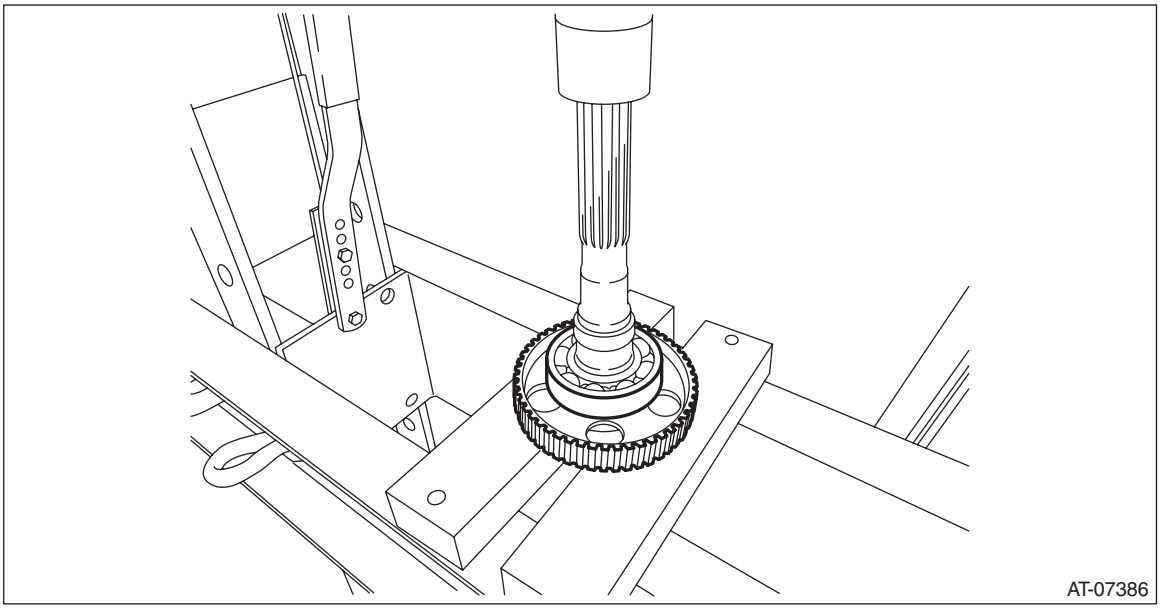
2) Select the rear drive shaft shim. <Ref. to CVT(TR690)-149, ADJUSTMENT, Rear Drive Shaft.>
3) Install the selected rear drive shaft shims to the rear drive shaft.
4) Install the extension case. <Ref. to CVT(TR690)-143, INSTALLATION, Extension Case.>
5) Install the transmission assembly to the vehicle. <Ref. to CVT(TR690)-69, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

1) Using a press, remove the revolution gear.



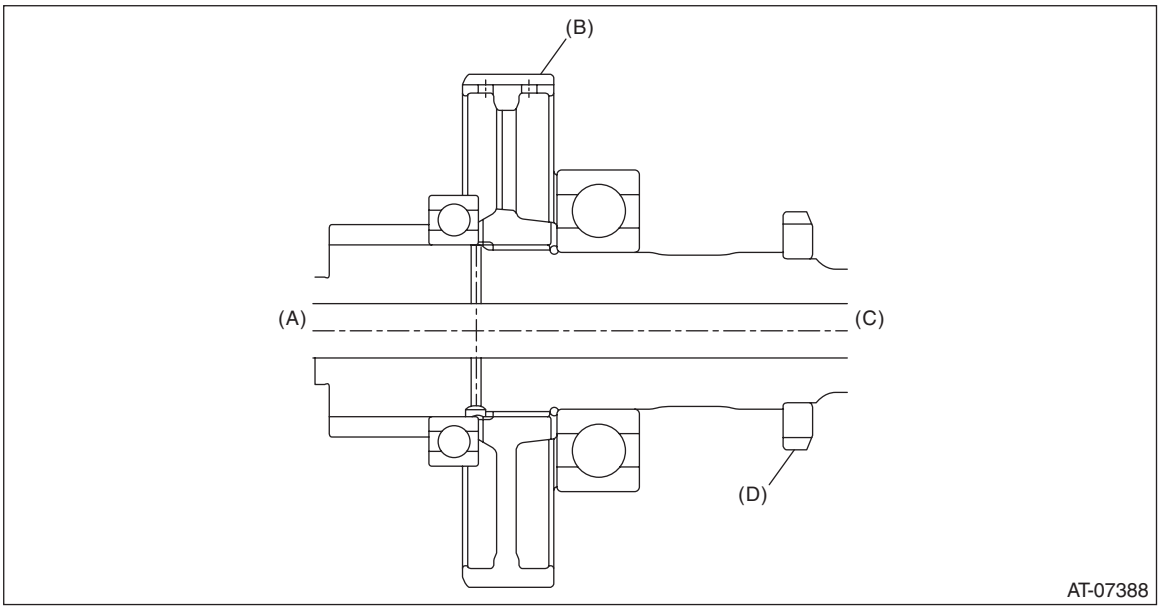
2) Using a press, remove the front and rear ball bearings and clutch hub.



D: ASSEMBLY

Assemble in the reverse order of disassembly.

NOTE:
- Use new ball bearings and revolution gear.
- Apply CVTF to press-fitting surface of ball bearing.
- Make sure of the direction of clutch hub.



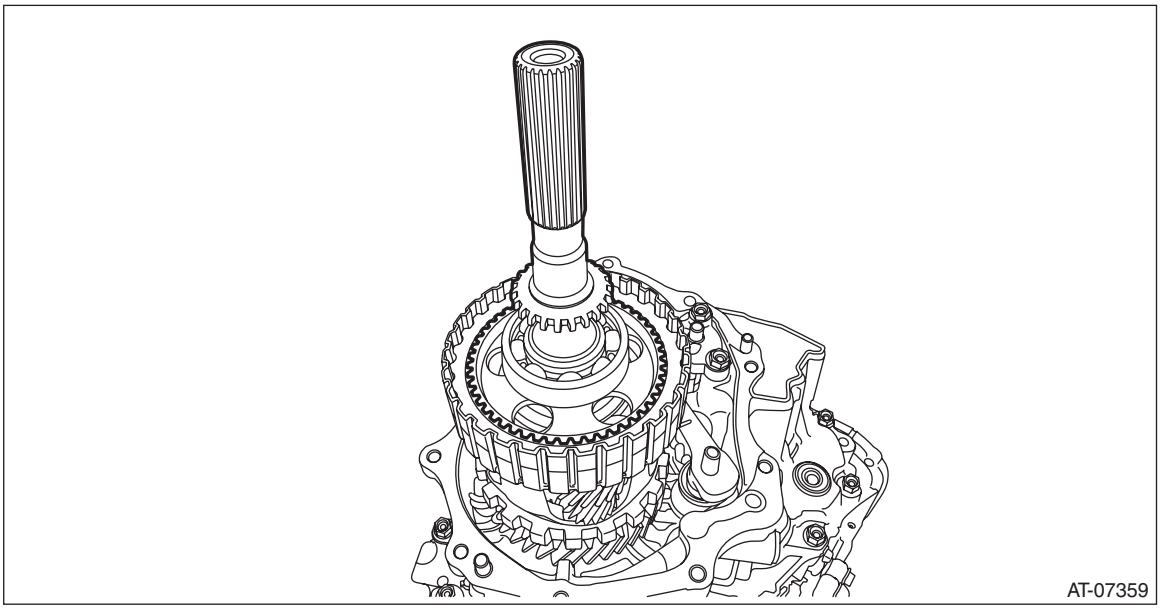
(A) Front side
(B) Clutch hub
(C) Rear side
(D) Revolution gear

E: INSPECTION

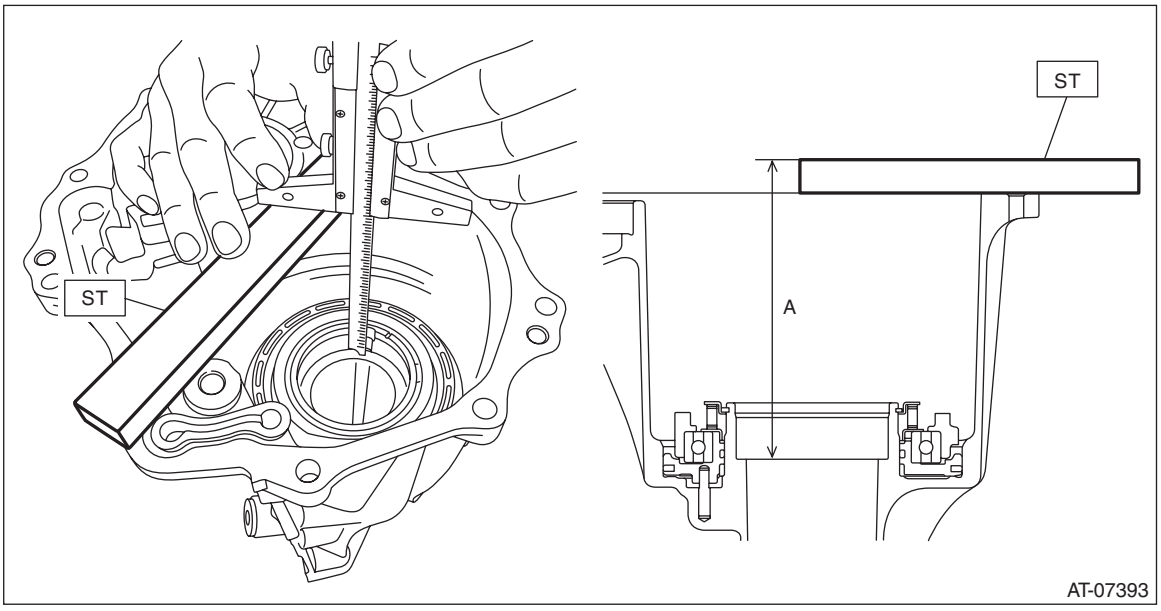
- Check each part for crack, damage or dust.
- Check the ball bearing for smooth rotation.
- Check the ball bearing for excessive looseness.
- Inspect axial play of the rear drive shaft.

F: ADJUSTMENT

NOTE:
When replacing the rear drive shaft or bearing, select the rear drive shaft shim.
1) Install the rear drive shaft.

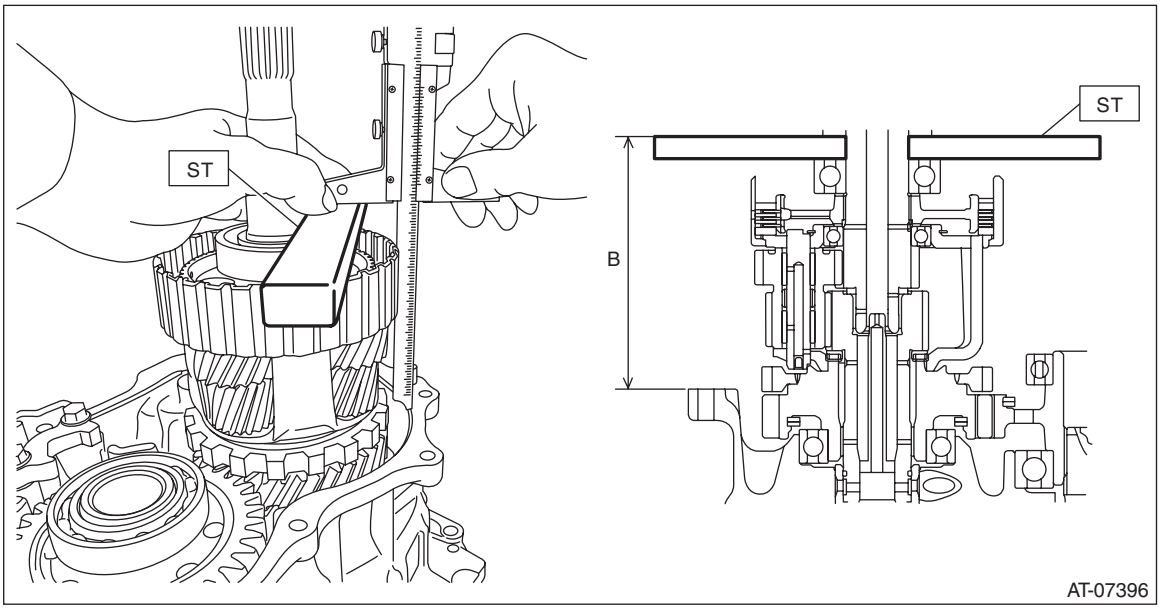


2) Using the ST, measure the depth “A” from the end surface of ST to the contact surface of ball bearing.
ST 499575400 GAUGE



3) Using the ST, measure the height “B” from the mating surface of intermediate case to the end surface of ST.

NOTE:
Set the ST so that it does not ride on the bearing inner race.
ST 499575400 GAUGE



4) Obtain the thickness of rear drive shaft shim using the following formula to select none to four rear drive shaft shims.
T (mm) = A – B + 0.38 – (0.05 — 0.25)
[T (in) = A – B + 0.0149 – (0.002 — 0.01)]
T: Rear drive shaft shim thickness
A: Depth from the ST end surface to the ball bearing contact surface
B: Height from the mating surface of the intermediate case to the ST end face
0.38 mm (0.0149 in): Thickness of gasket
15 mm (0.591 in): Thickness of ST
0.05 — 0.25 mm (0.002 — 0.01 in): Clearance

Rear drive shaft shim	
Part No.	Thickness mm (in)
33281AA040	0.2 (0.008)
33281AA050	0.5 (0.020)
33281AA060	0.3 (0.012)