

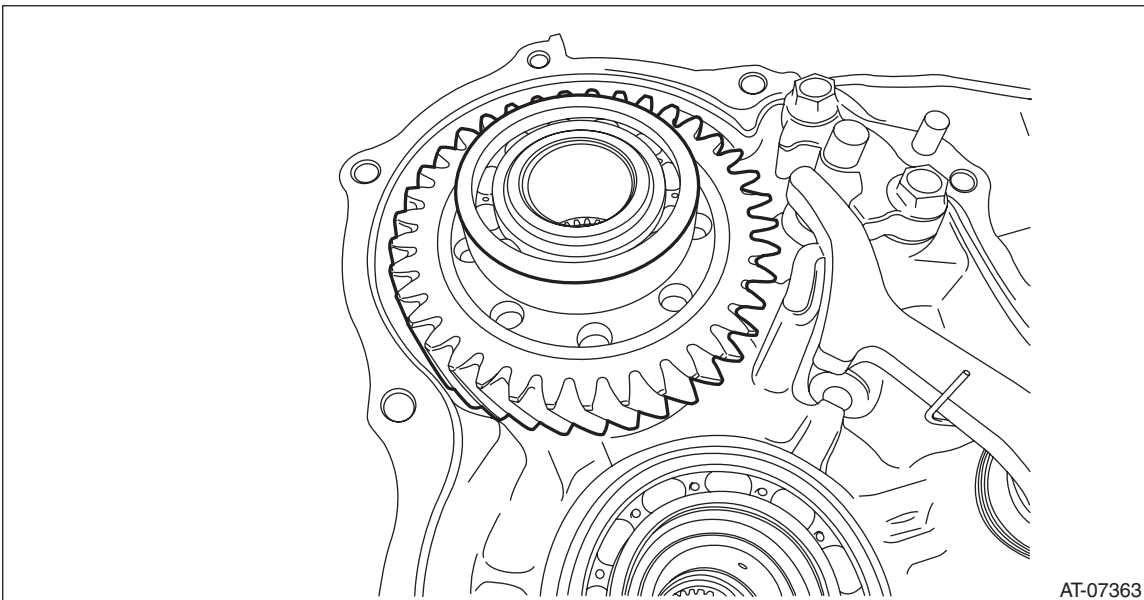
Transfer Reduction Driven Gear

CONTINUOUSLY VARIABLE TRANSMISSION

32. Transfer Reduction Driven Gear

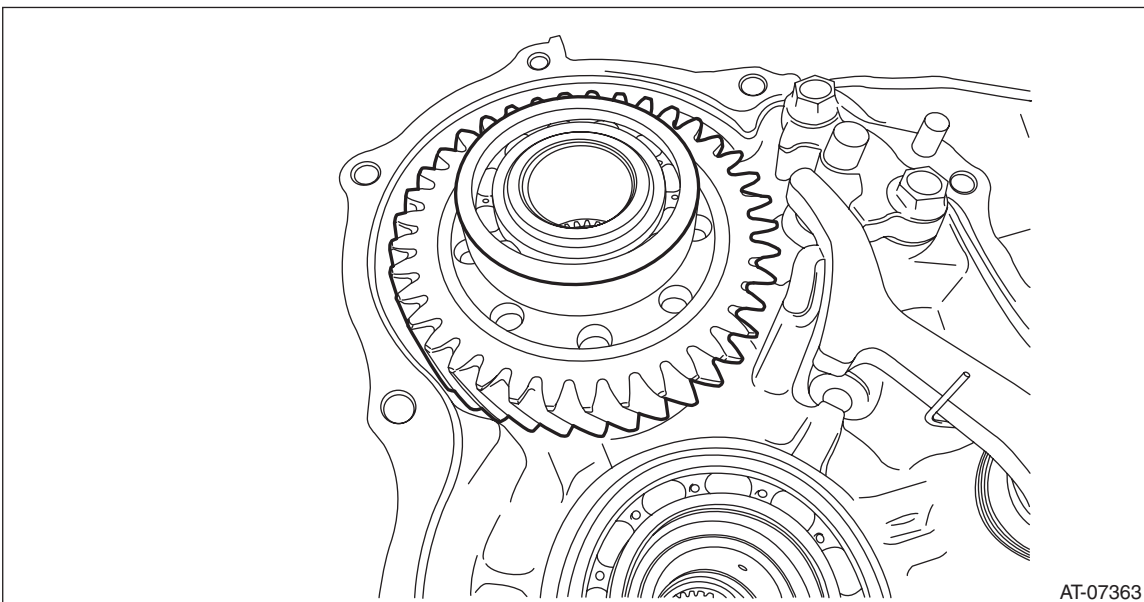
A: REMOVAL

- 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. <Ref. to CVT(TR690)-146, REMOVAL, Rear Drive Shaft.>
- 4) Remove the transfer clutch assembly. <Ref. to CVT(TR690)-151, REMOVAL, Transfer Clutch.>
- 5) Remove the center differential carrier. <Ref. to CVT(TR690)-154, REMOVAL, Center Differential Carrier.>
- 6) Remove the transfer reduction driven gear assembly.



B: INSTALLATION

- 1) Install the reduction driven gear assembly.



- 2) Select shims. <Ref. to CVT(TR690)-161, ADJUSTMENT, Transfer Reduction Driven Gear.>
- 3) Install the center differential carrier. <Ref. to CVT(TR690)-155, INSTALLATION, Center Differential Carrier.>
- 4) Install the transfer clutch assembly. <Ref. to CVT(TR690)-151, INSTALLATION, Transfer Clutch.>
- 5) Install the rear drive shaft. <Ref. to CVT(TR690)-146, INSTALLATION, Rear Drive Shaft.>

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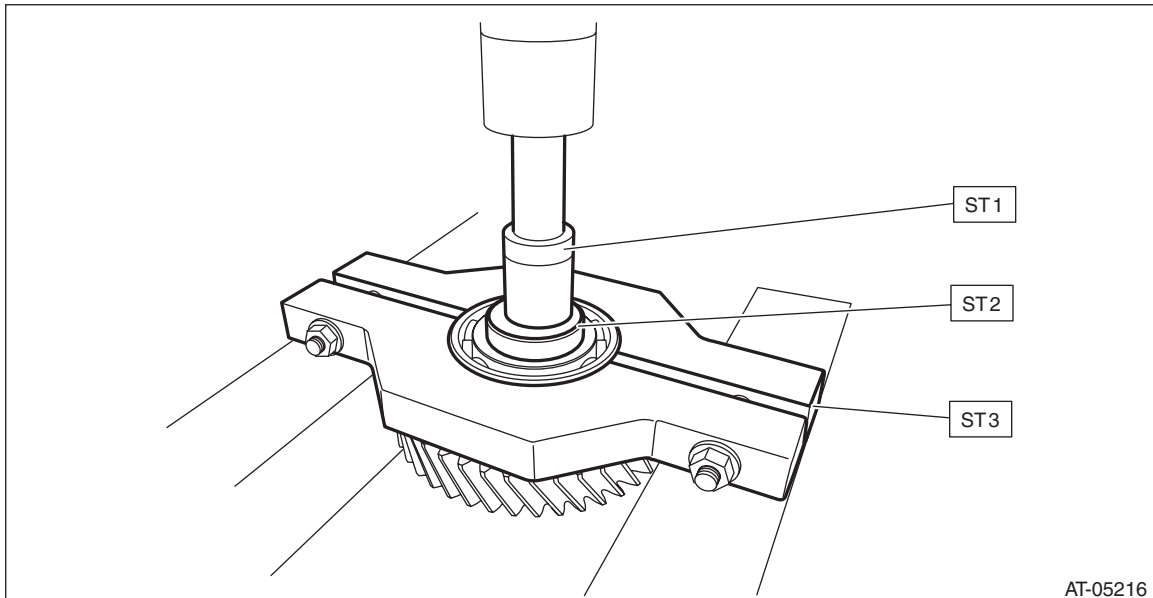
CONTINUOUSLY VARIABLE TRANSMISSION

- 6) Mount the selected shim onto ball bearing.
- 7) Install the extension case. <Ref. to CVT(TR690)-143, INSTALLATION, Extension Case.>
- 8) Install the transmission assembly to the vehicle. <Ref. to CVT(TR690)-69, INSTALLATION, Automatic Transmission Assembly.>

C: DISASSEMBLY

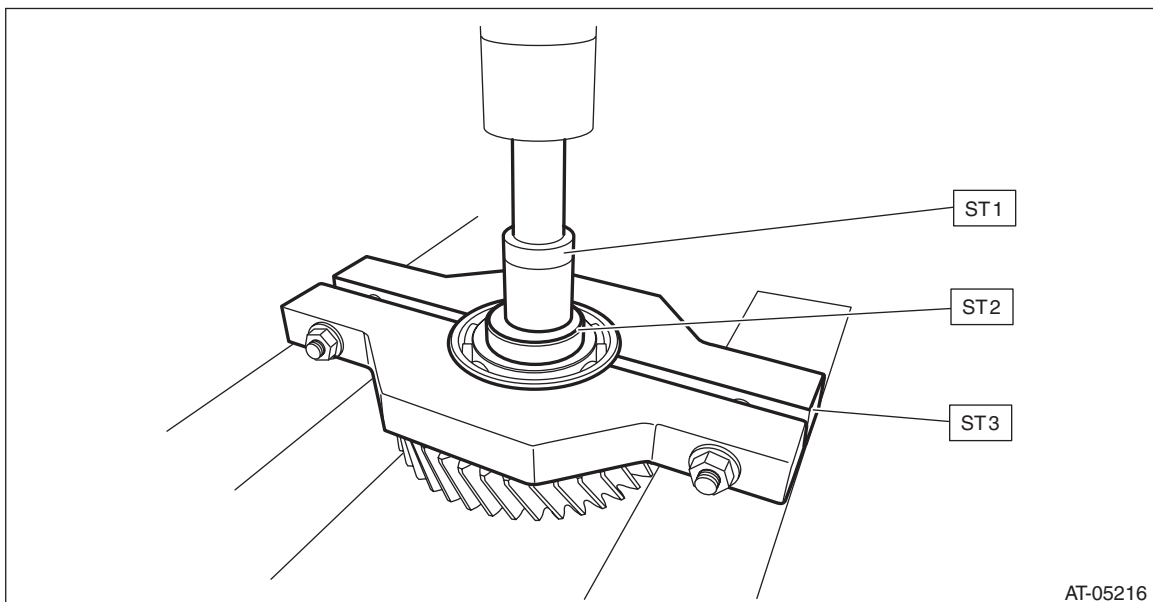
- 1) Remove the snap ring from transfer reduction driven gear.
- 2) Using the ST, remove the ball bearing (large) from transfer reduction driven gear.

ST1 899864100 REMOVER
ST2 398497701 SEAT
ST3 498077600 REMOVER



- 3) Using the ST, remove the ball bearing (small) from transfer reduction driven gear.

ST1 899864100 REMOVER
ST2 398497701 SEAT
ST3 18720AA000 REMOVER



Transfer Reduction Driven Gear

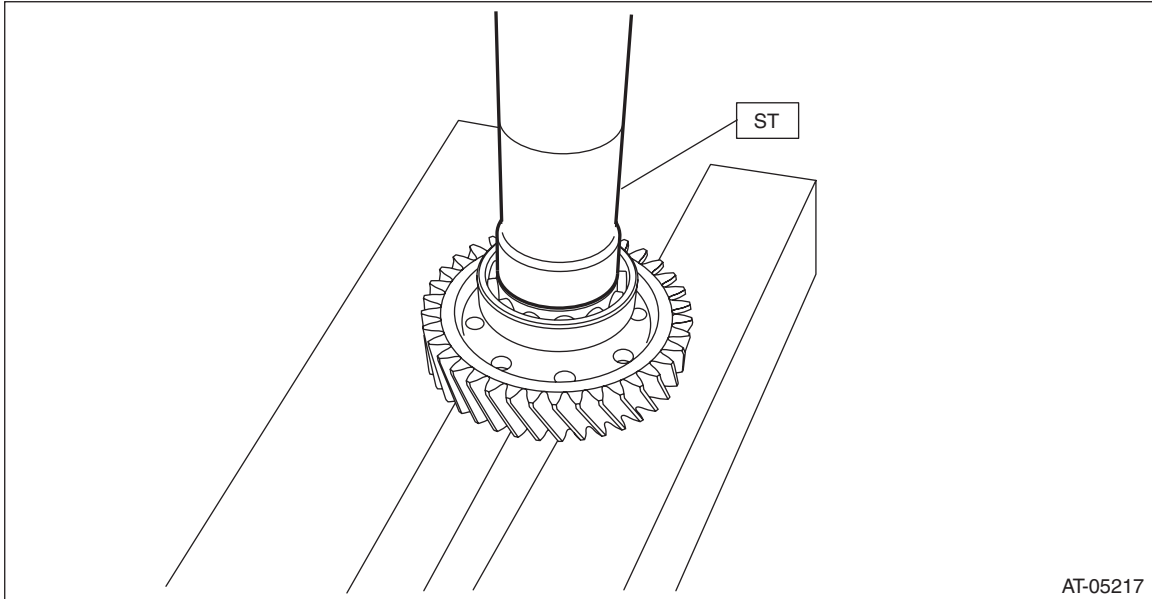
CONTINUOUSLY VARIABLE TRANSMISSION

D: ASSEMBLY

1) Install the new ball bearing (large) to reduction driven gear using the ST.
ST 499277100 BUSHING 1-2 INSTALLER

NOTE:

- Use a new ball bearing.
- Install to the splines inside transfer reduction driven gear shaft.

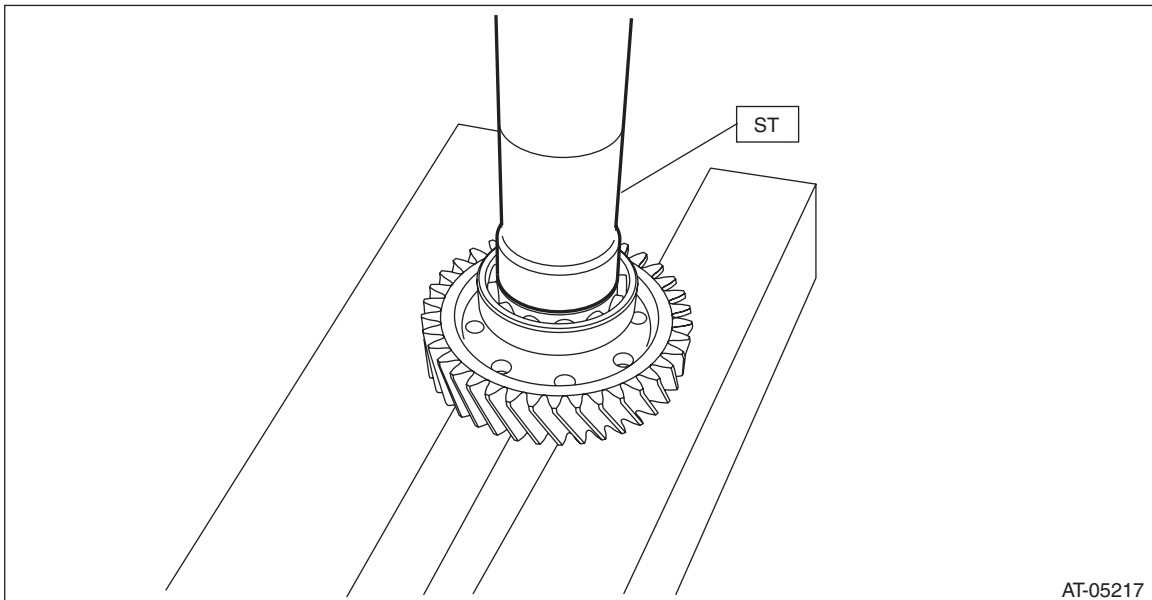


2) Install the new ball bearing (small) to reduction driven gear.

NOTE:

Use a new ball bearing.

ST 499277100 BUSHING 1-2 INSTALLER



3) Install the snap ring to transfer reduction driven gear.

E: INSPECTION

- Check the ball bearing for smooth rotation.
- Check the ball bearing for excessive looseness.
- Make sure the gear is not broken or damaged.

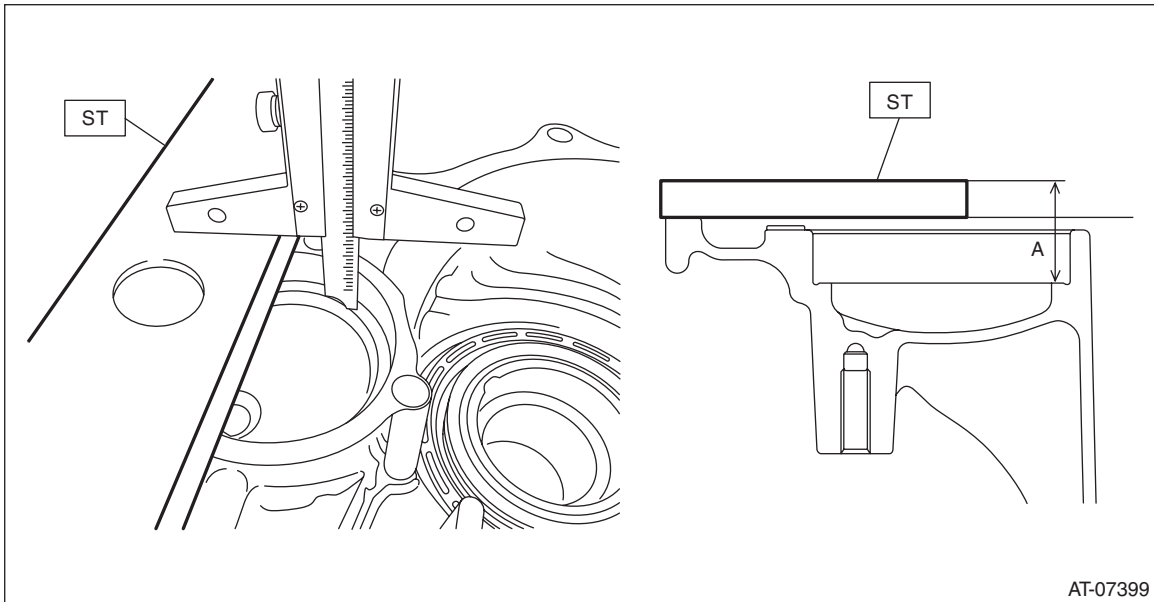
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CONTINUOUSLY VARIABLE TRANSMISSION

F: ADJUSTMENT

1) Measure depth "A" from the ST upper face to the ball bearing catch surface.

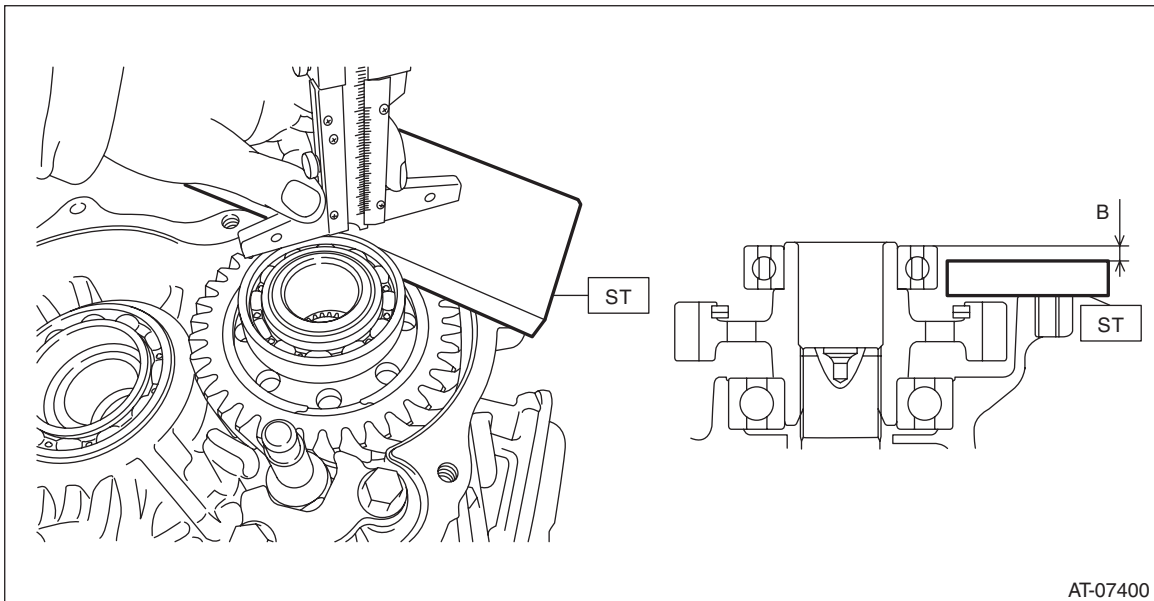
ST 398643600 GAUGE



AT-07399

2) Measure height "B" from the ST to the end of the ball bearing outer ring.

ST 398643600 GAUGE



AT-07400

Transfer Reduction Driven Gear

CONTINUOUSLY VARIABLE TRANSMISSION

3) Obtain the thickness of shim using the following formula to select one to three shims.

$$T \text{ mm} = (A - 15) - (B + 15) + 0.38 - (0.05 - 0.25)$$

$$[T \text{ in} = (A - 0.591) - (B + 0.591) + 0.0149 - (0.002 - 0.01)]$$

T: Shim thickness

A: Depth from the ST upper face to the ball bearing catch surface

B: Height from the ST to the end of the ball bearing outer ring

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

Shim	
Part No.	Thickness mm (in)
31288AA190	0.2 (0.008)
31288AA200	0.3 (0.012)
31288AA210	0.5 (0.02)