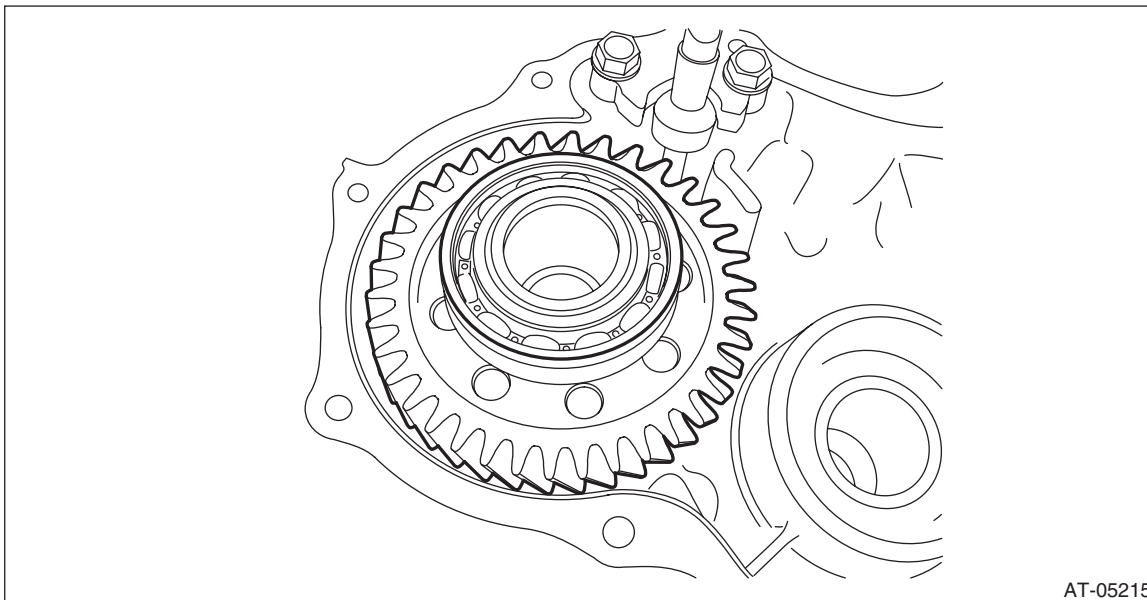


31. Transfer Reduction Driven Gear

A: REMOVAL

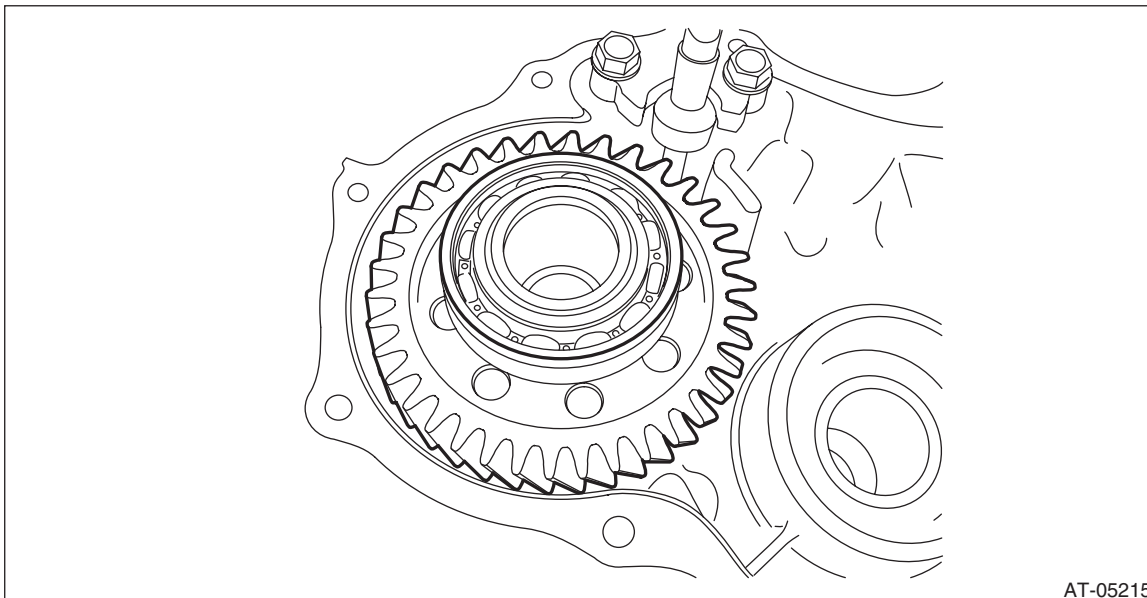
- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT-55, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the front wheel speed sensor, and remove the extension case. <Ref. to CVT-137, REMOVAL, Extension Case.>
- 3) Remove the transfer clutch assembly. <Ref. to CVT-145, REMOVAL, Transfer Clutch.>
- 4) Remove the transfer reduction driven gear assembly.



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B: INSTALLATION

- 1) Install the reduction driven gear assembly.



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- 2) Select shims. <Ref. to CVT-160, ADJUSTMENT, Transfer Reduction Driven Gear.>
- 3) Mount the selected shim onto ball bearing.
- 4) Install the transfer clutch assembly. <Ref. to CVT-146, INSTALLATION, Transfer Clutch.>
- 5) Install the extension case. <Ref. to CVT-137, INSTALLATION, Extension Case.>
- 6) Install the transmission assembly to the vehicle. <Ref. to CVT-69, INSTALLATION, Automatic Transmission Assembly.>

Transfer Reduction Driven Gear

CONTINUOUSLY VARIABLE TRANSMISSION

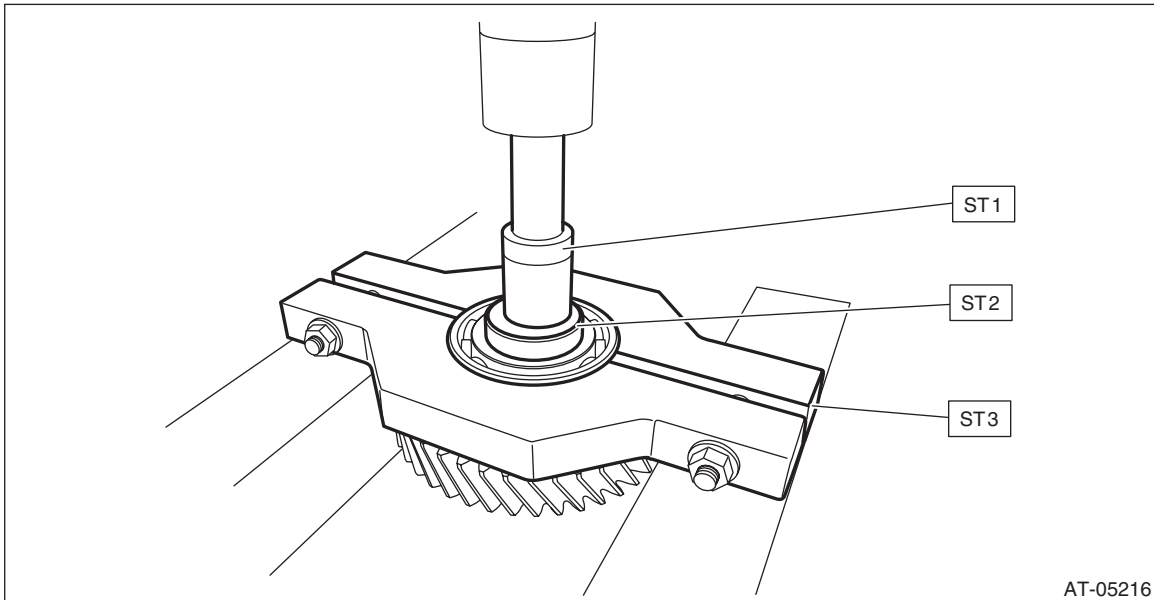
C: DISASSEMBLY

1) Using the ST, remove the ball bearing (large) from transfer reduction driven gear.

ST1 899864100 REMOVER

ST2 398497701 SEAT

ST3 498077600 REMOVER

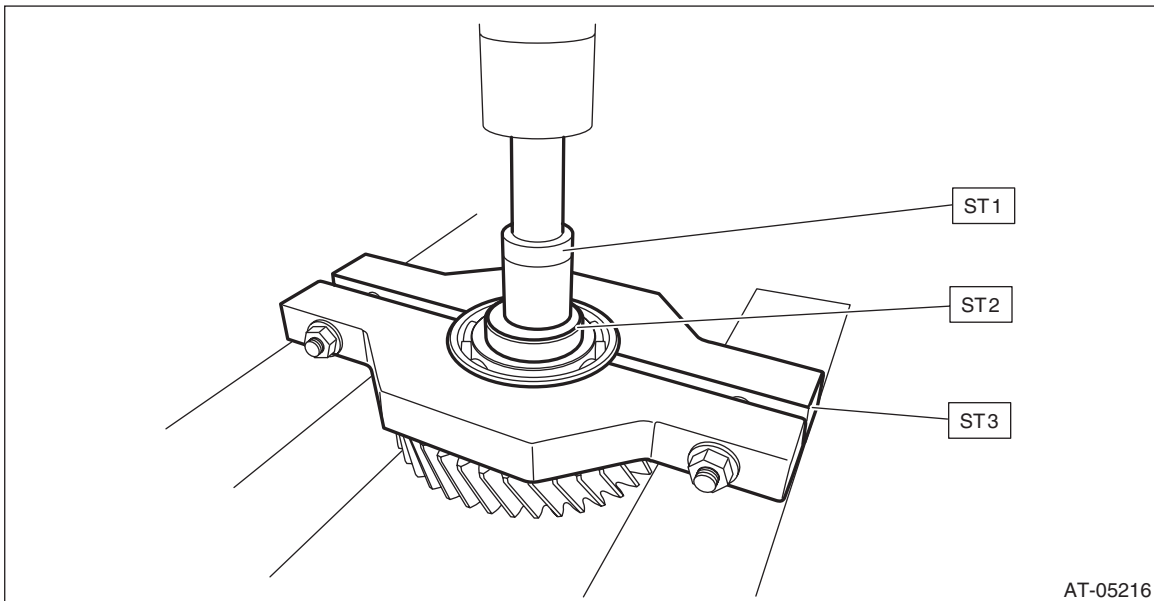


2) Using the ST, remove the ball bearing (small) from transfer reduction driven gear.

ST1 899864100 REMOVER

ST2 398497701 SEAT

ST3 18720AA000 REMOVER



Transfer Reduction Driven Gear

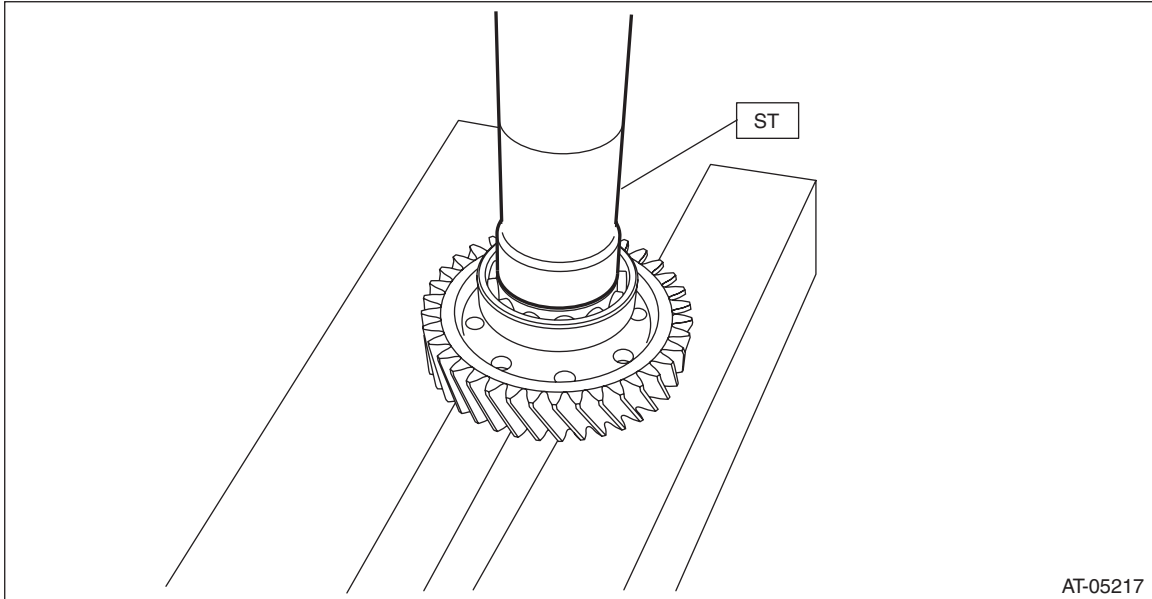
CONTINUOUSLY VARIABLE TRANSMISSION

D: ASSEMBLY

1) Install the new ball bearing (large) to reduction driven gear using the ST.
ST 499277100 REMOVER

NOTE:

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

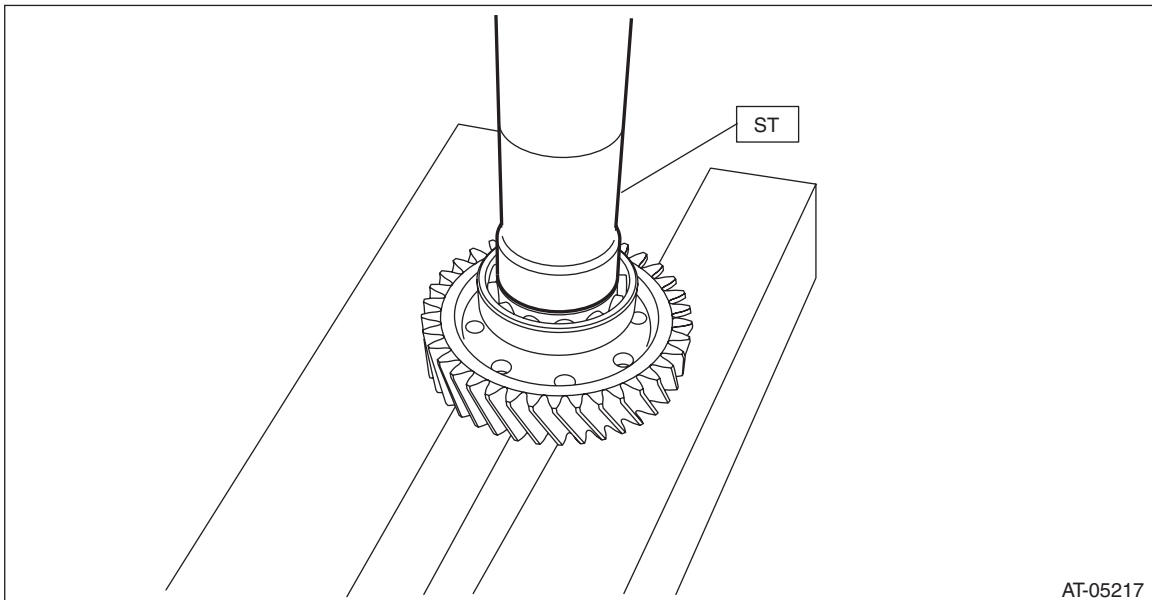


2) Install the new ball bearing (small) to reduction driven gear.

NOTE:

Use a new ball bearing.

ST 499277100 REMOVER



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.

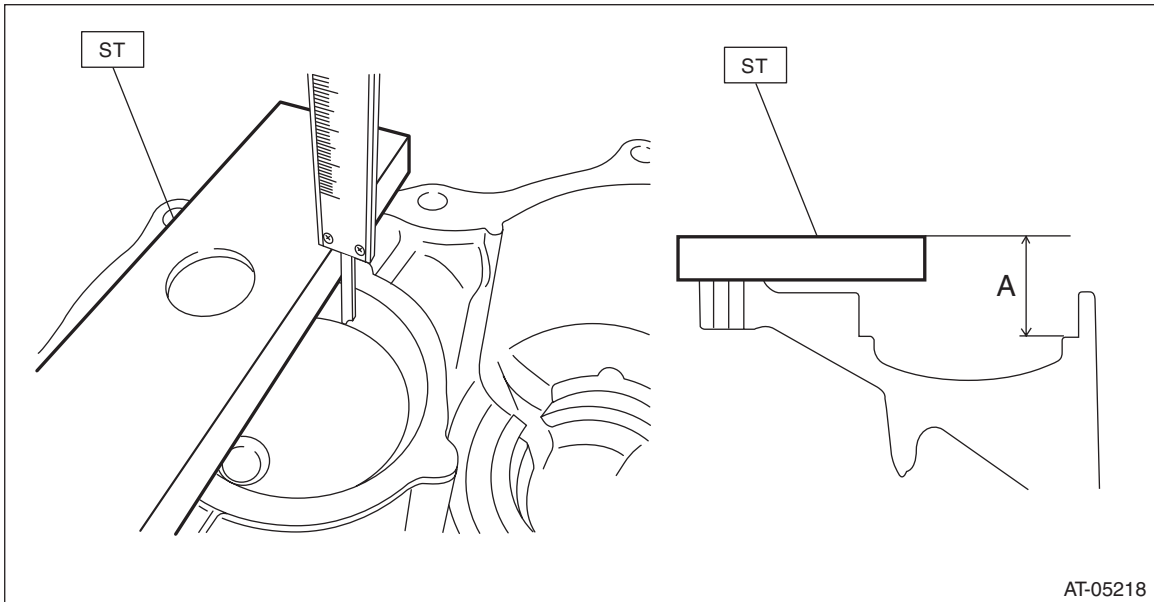
Transfer Reduction Driven Gear

CONTINUOUSLY VARIABLE TRANSMISSION

F: ADJUSTMENT

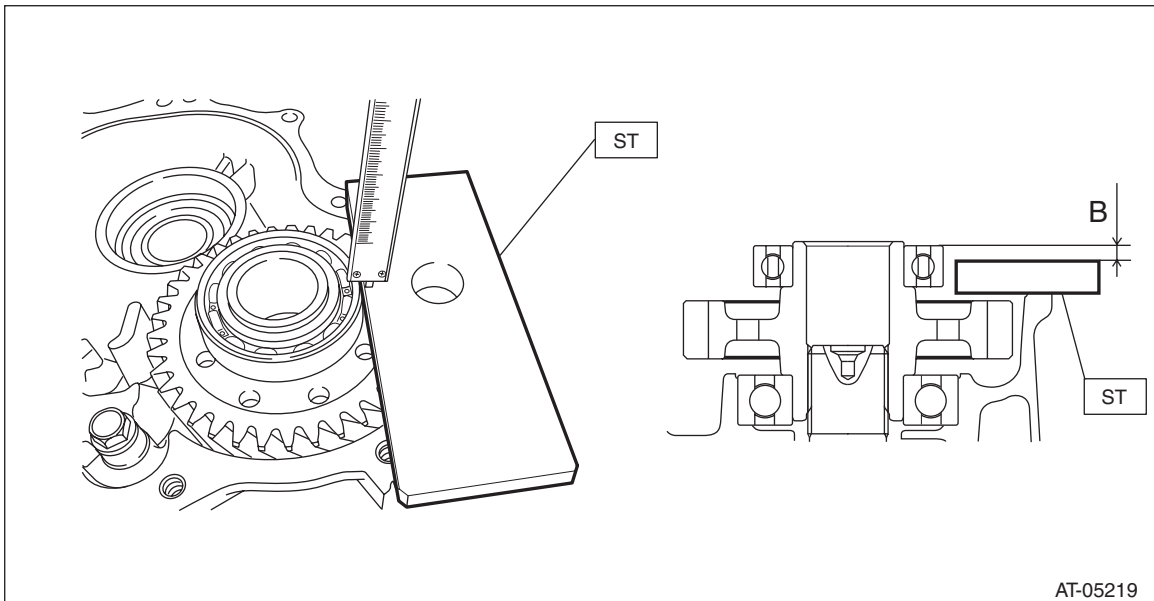
1) Measure depth "A" from the ST upper face to the ball bearing catch surface.

ST 398643600 GAUGE



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

ST 398643600 GAUGE



Transfer Reduction Driven Gear

CONTINUOUSLY VARIABLE TRANSMISSION

3) Obtain the thickness of shim using the following formula to select none to two shims.

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

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

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

15 mm (0.591 in): Thickness of ST

0.05 — 0.25 mm (0.002 — 0.01 in): Clearance

Shim	
Part number	Thickness mm (in)
31288AA190	0.2 (0.008)
31288AA200	0.3 (0.012)
31288AA210	0.5 (0.02)