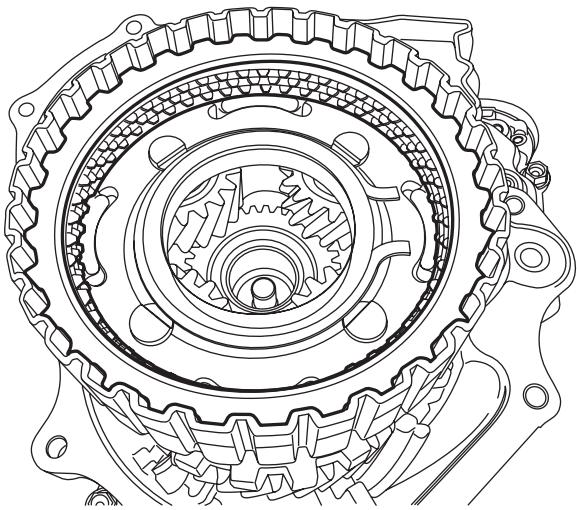


30. Transfer Clutch

A: REMOVAL

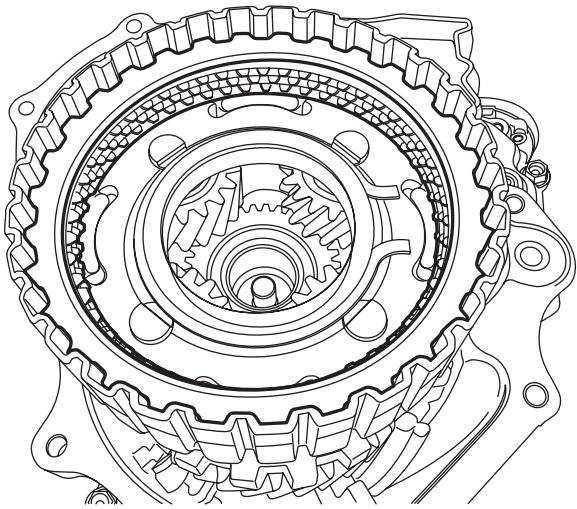
- 1) Remove the transmission assembly from the vehicle. <Ref. to CVT(TR690)-56, REMOVAL, Automatic Transmission Assembly.>
- 2) Remove the extension case. <Ref. to CVT(TR690)-142, REMOVAL, Extension Case.>
- 3) Remove the rear drive shaft. <Ref. to CVT(TR690)-146, REMOVAL, Rear Drive Shaft.>
- 4) Remove the transfer clutch assembly.



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B: INSTALLATION

- 1) Install the transfer clutch assembly.



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- 2) Select driven plate No. 3. <Ref. to CVT(TR690)-149, ADJUSTMENT, Rear Drive Shaft.>
- 3) Attach the selected driven plate No. 3 to the center differential assembly.
- 4) Install the rear drive shaft. <Ref. to CVT(TR690)-146, INSTALLATION, Rear Drive Shaft.>
- 5) Install the extension case. <Ref. to CVT(TR690)-143, INSTALLATION, Extension Case.>
- 6) Install the transmission assembly to the vehicle. <Ref. to CVT(TR690)-69, INSTALLATION, Automatic Transmission Assembly.>

Transfer Clutch

CONTINUOUSLY VARIABLE TRANSMISSION

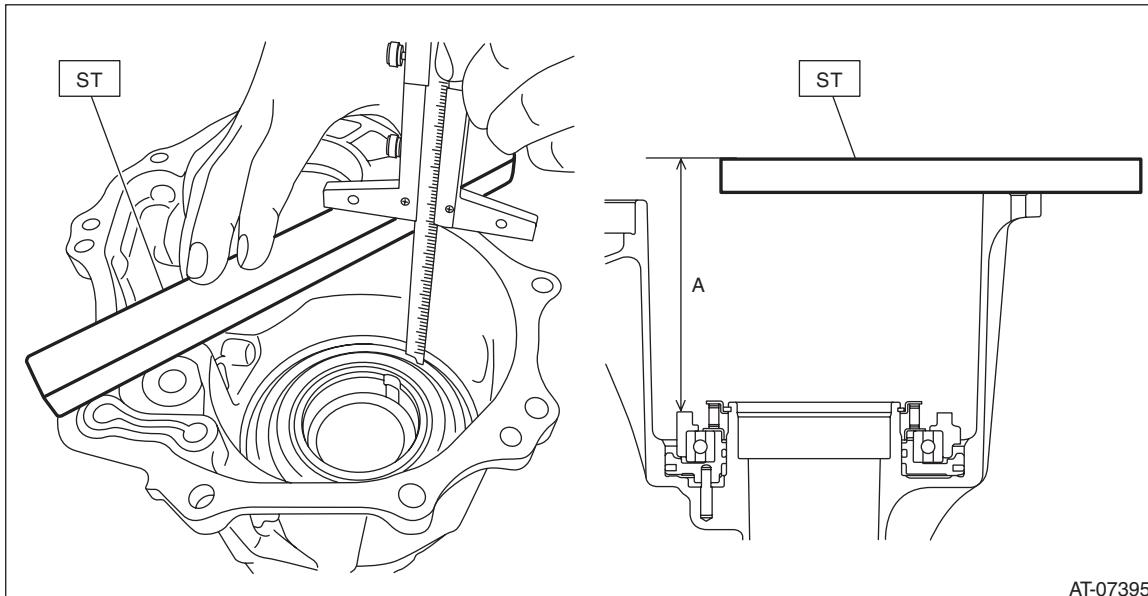
C: INSPECTION

- Inspect the drive plate facing for wear and damage.
- Driven plate for discoloration (burned color)
- Make sure the snap ring is not worn and the return spring has no permanent distortion, damage, or deformation.
- Check the lip seal for damage.
- Inspect the extension end play, and adjust it to within the standard value. <Ref. to CVT(TR690)-152, ADJUSTMENT, Transfer Clutch.>

D: ADJUSTMENT

- 1) Install the drive plate and driven plate to the center differential carrier.
- 2) Using the ST, measure depth "A" from the end surface of ST to the transfer clutch piston.

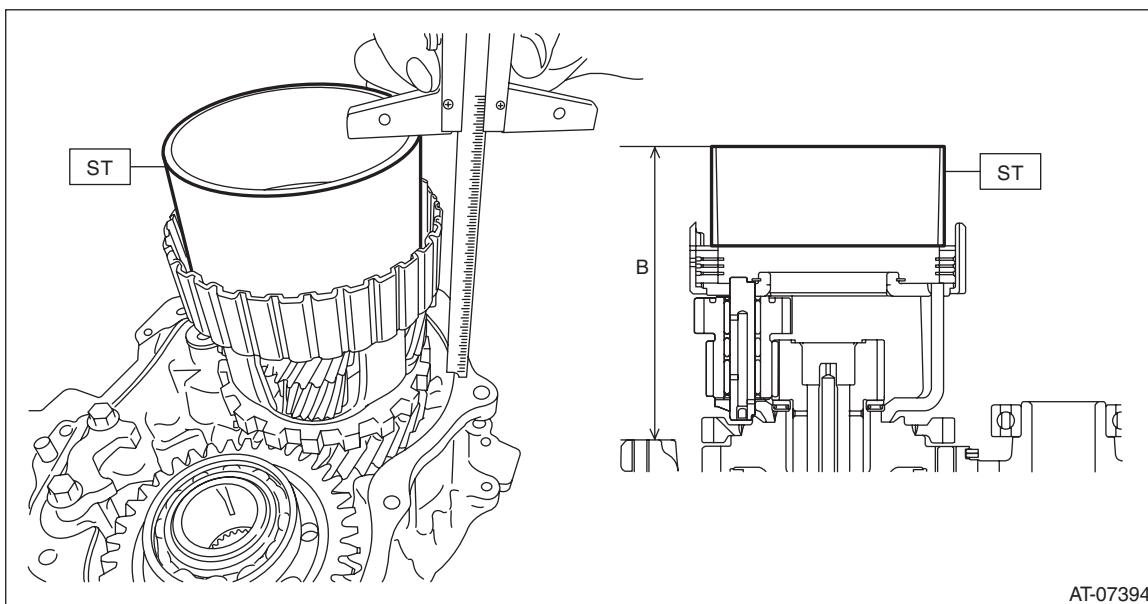
ST 499575400 GAUGE



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

ST 398744300 PISTON GUIDE



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Transfer Clutch

CONTINUOUSLY VARIABLE TRANSMISSION

4) Obtain the thickness of driven plate No. 3 using the following formula to select one driven plate No. 3.

$$T \text{ mm} = (A - 15) - (B - 50) + 0.38 - (0.05 - 0.25)$$

$$[T \text{ in} = (A - 0.591) - (B - 1.97) + 0.0149 - (0.002 - 0.01)]$$

T: Rear drive shaft shim thickness

A: Depth from the ST end surface to the transfer clutch piston

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

50 mm (1.97 in): Thickness of ST

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

Driven plate No. 3	
Part No.	Thickness mm (in)
31589AA150	1.6 (0.063)
31589AA160	2.0 (0.079)
31589AA170	2.4 (0.094)
31589AA180	2.8 (0.110)