

28. Multi-plate Clutch

A: REMOVAL

Remove the multi-plate clutch following the same instructions as for the extension case. <Ref. to 4AT-70, REMOVAL, Extension Case.>

B: INSTALLATION

Install the multi-plate clutch following the same instructions as for the extension case. <Ref. to 4AT-70, INSTALLATION, Extension Case.>

C: INSPECTION

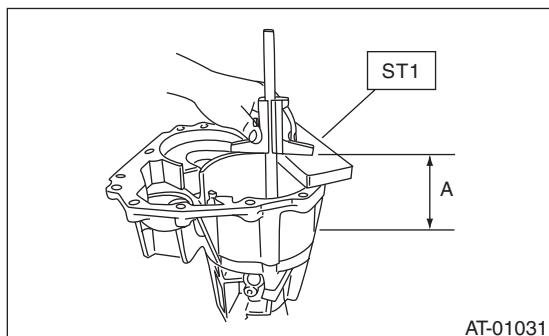
- Inspect the drive plate facing for wear and damage.
- Make sure the snap ring is not worn and the return spring has no permanent distortion, damage, or deformation.
- Inspect the D-ring for damage.
- Measure the clearance of the multi-plate clutch and check if it does not exceed the limit thickness. <Ref. to 4AT-80, ADJUSTMENT, Multi-plate Clutch.>

D: ADJUSTMENT

1) Install the drive plate and driven plate to the center differential carrier.

2) Using the ST, measure the distance "A" from the end of ST to the multi plate clutch piston.

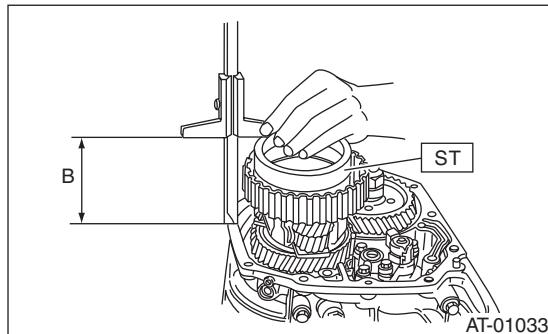
ST 398643600 GAUGE



A Measured value

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

ST 398744300 PISTON GUIDE



B Measured value

4) Calculation formula:

$$T = A - B + 0.45 \text{ mm}$$

$$[T = A - B + 0.0177 \text{ in}]$$

Initial standard:

$$0.2 - 0.6 \text{ mm (0.008 — 0.024 in)}$$

Limit thickness:

$$1.6 \text{ mm (0.063 in)}$$

If the clearance exceeds the limit thickness, replace the plate set (drive and driven plates). Select a multi-plate clutch piston driven plate that will bring clearance within the default standard value.

Driven plate	
Part No.	Thickness mm (in)
31589AA041	1.6 (0.063)
31589AA050	2.0 (0.079)
31589AA060	2.4 (0.094)
31589AA070	2.8 (0.110)