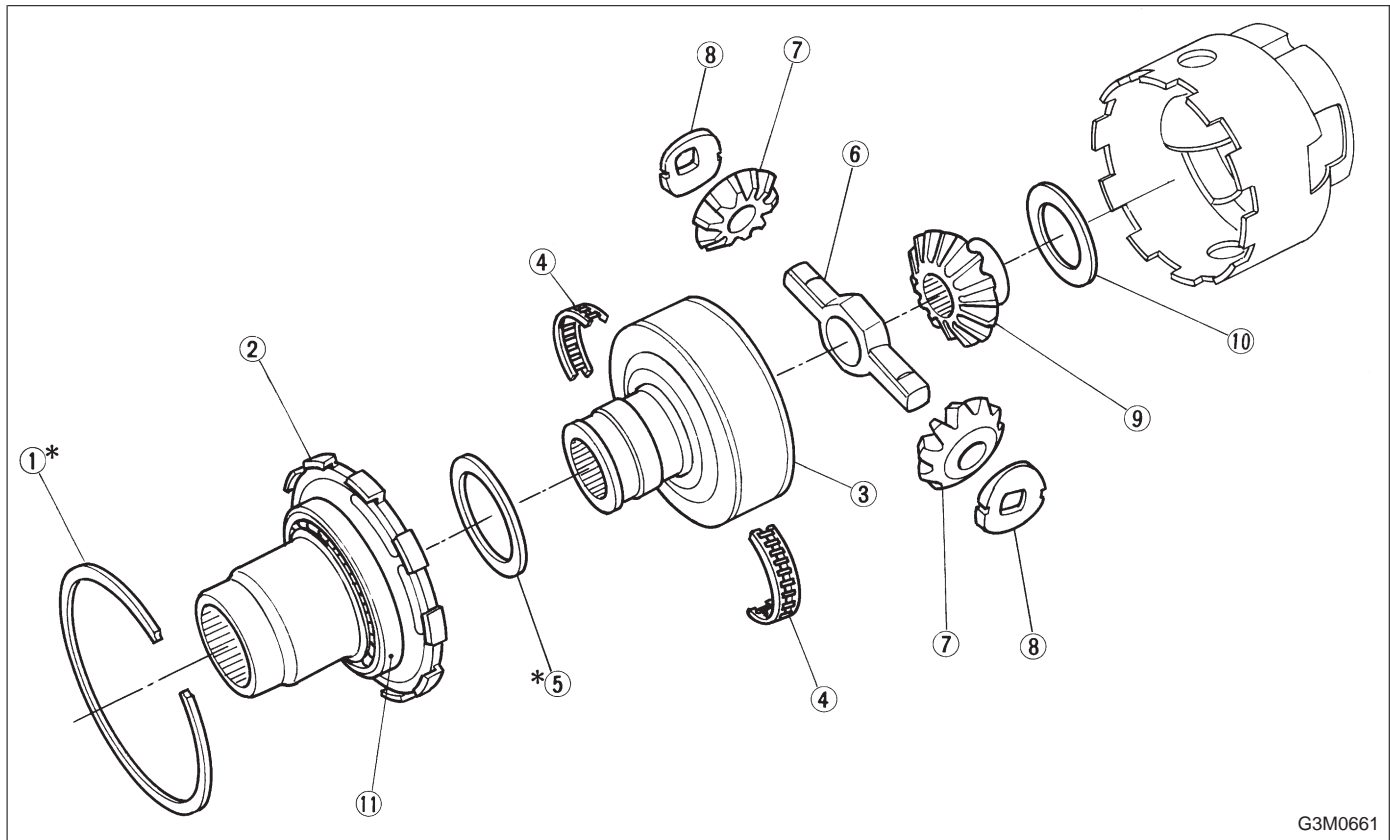
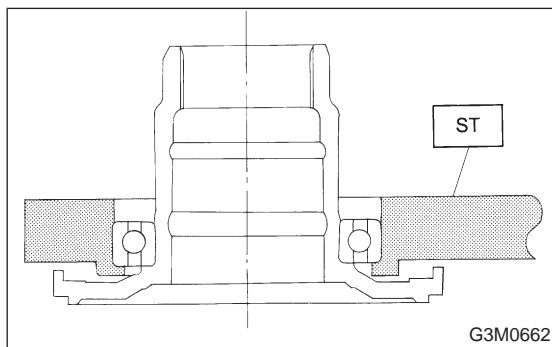


10. Center Differential (AWD Model)

A: DISASSEMBLY

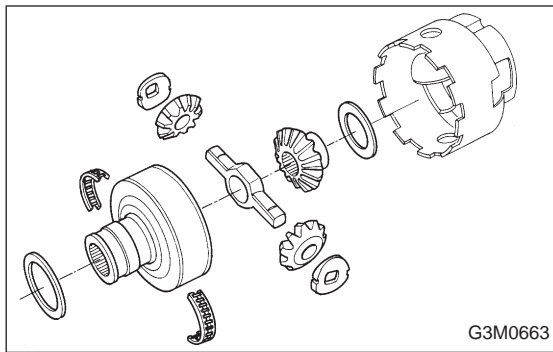


- 1) Remove snap ring (Inner-110) ① using flat bladed screw driver.
- 2) Remove center differential cover ②.
- 3) Remove viscous coupling ③.
- 4) Remove needle bearings ④.
- 5) Remove adjusting washer (45 x 62 x t) ⑤.
- 6) Remove pinion shaft ⑥, bevel pinions ⑦ and retainers ⑧.
- 7) Remove side gear ⑨.
- 8) Remove thrust washer ⑩.



- 9) Remove ball bearing ⑪ using ST.
ST 498077300 CENTER DIFFERENTIAL BEARING REMOVER

CAUTION:
Do not reuse ball bearing.

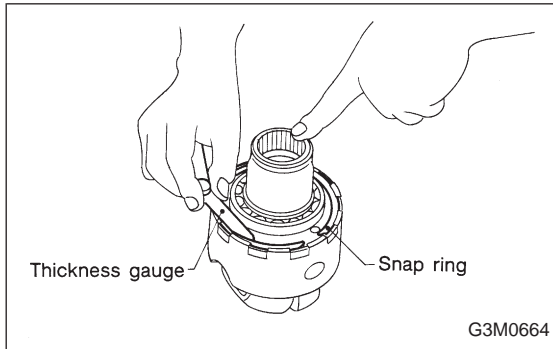


B: ASSEMBLY

Assembly is in the reverse order of disassembly.

Observe the following;

- Install thrust washer with chamfered side of inner perimeter facing the side gear.
- Install adjusting washer with chamfered side of inner perimeter facing the viscous coupling.



1) Selection of snap ring (Inner-110)

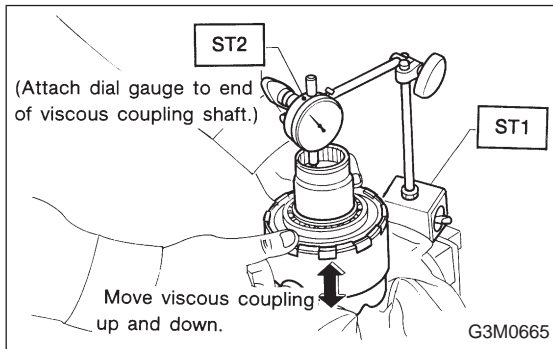
- (1) After assembling, measure clearance between snap ring and center differential case.

Clearance:

0 — 0.15 mm (0 — 0.0059 in)

- (2) If the measurement is not within the specification, select suitable snap ring.

● Snap ring (Inner-110)	Part No.	Thickness mm (in)
	805100061	2.10 (0.0827)
	805100062	2.21 (0.0870)
	805100063	2.32 (0.0913)



2) Selection of adjusting washer (Backlash adjustment)

- (1) After assembling, set up a ST1 and ST2 as shown in figure, and measure backlash in the axial direction.

ST1 498247001 MAGNET BASE

ST2 498247100 DIAL GAUGE

Backlash:

0.62 — 0.86 mm (0.0244 — 0.0339 in)

- (2) If the measurement is not within the specification, select suitable washer.

● Adjusting washer (45 x 62 x t)	Part No.	Thickness mm (in)
	803045041	1.60 (0.0630)
	803045042	1.80 (0.0709)
	803045043	2.00 (0.0787)
	803045044	2.20 (0.0866)
	803045045	2.40 (0.0945)