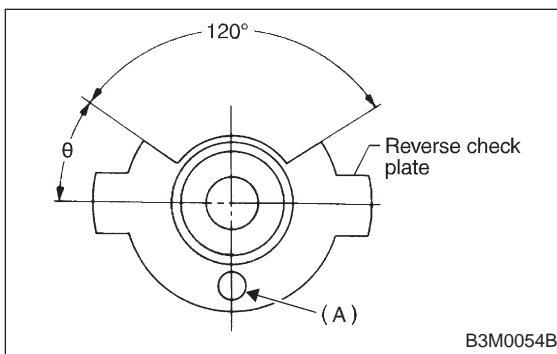


Reverse check plate			
Part No.	(A): No.	Angle θ	Remarks
32189AA000	0	28°	Arm stops closer to 5th gear.
32189AA010	1	31°	Arm stops closer to 5th gear.
32189AA020	2	34°	Arm stops in the center.
32189AA030	3	37°	Arm stops closer to reverse gear.
32189AA040	4	40°	Arm stops closer to reverse gear.

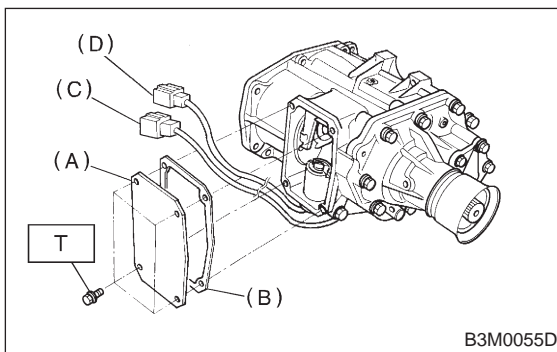


3) Install transfer cover and gasket, and then connect each connector.

CAUTION:
Use new gasket.

Tightening torque:

T: 15.7 ± 1.5 N·m (1.6 ± 0.15 kg·m, 11.6 ± 1.1 ft·lb)



- (A) Transfer cover
- (B) Gasket
- (C) Neutral position switch connector
- (D) Back-up light switch connector

6. Front Differential

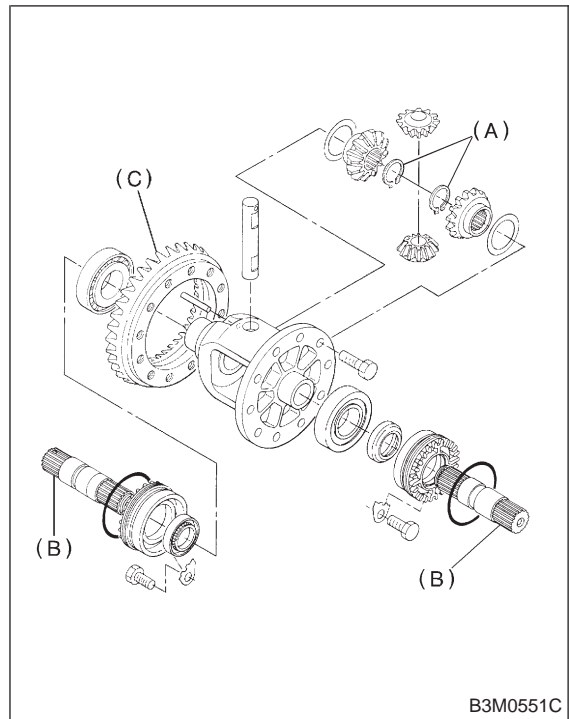
A: DISASSEMBLY

1) Remove right and left snap rings from differential, and then remove two axle drive shafts.

NOTE:

During reassembly, reinstall each axle drive shaft in the same place from which it was removed.

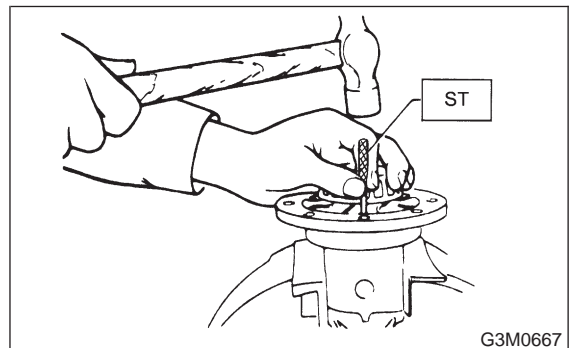
2) Loosen twelve bolts and remove hypoid drive gear.



- (A) Snap ring
- (B) Axle drive shaft
- (C) Hypoid drive gear

3) Drive out straight pin from differential assembly toward hypoid driven gear.

ST 899904100 REMOVER

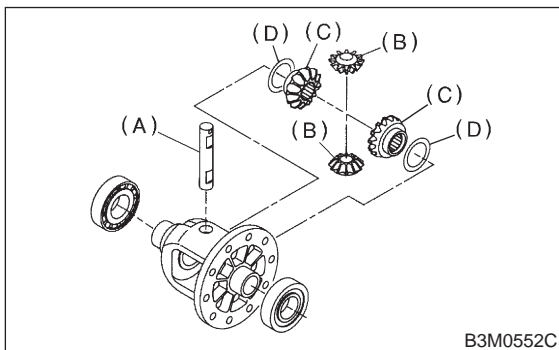


3-1 [W6B0]

6. Front Differential

SERVICE PROCEDURE

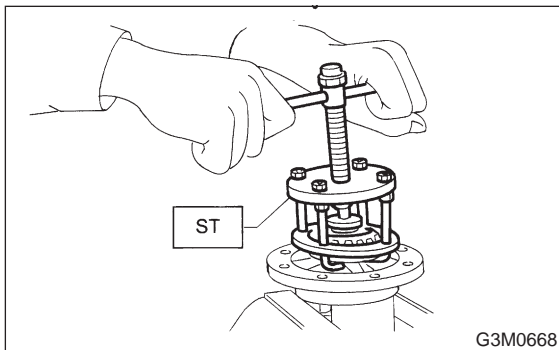
4) Pull out pinion shaft, and remove differential bevel pinion and gear and washer.



- (A) Pinion shaft
- (B) Bevel pinion
- (C) Bevel gear
- (D) Washer

5) Remove roller bearing using ST.

ST 399527700 PULLER SET

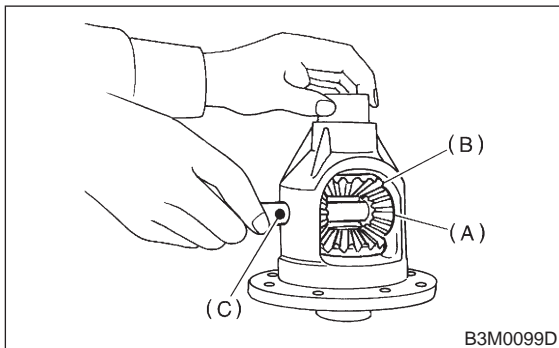


B: ASSEMBLY

1) Install bevel gear and bevel pinion together with washers, and insert pinion shaft.

NOTE:

Face the chamfered side of washer toward gear.



- (A) Bevel pinion
- (B) Bevel gear
- (C) Pinion shaft

2) Measure backlash between bevel gear and pinion. If it is not within specifications, install a suitable washer to adjust it.

NOTE:

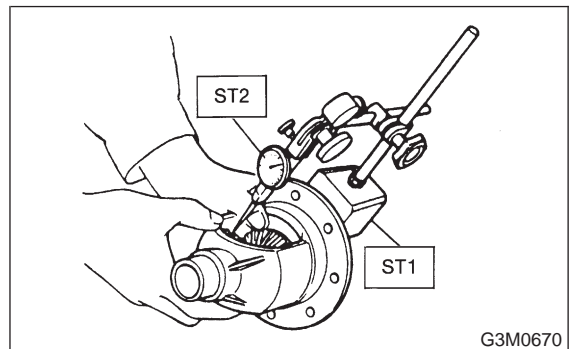
Be sure the pinion gear tooth contacts adjacent gear teeth during measurement.

ST1 498247001 MAGNET BASE

ST2 498247100 DIAL GAUGE

Standard backlash:

0.13 — 0.18 mm (0.0051 — 0.0071 in)



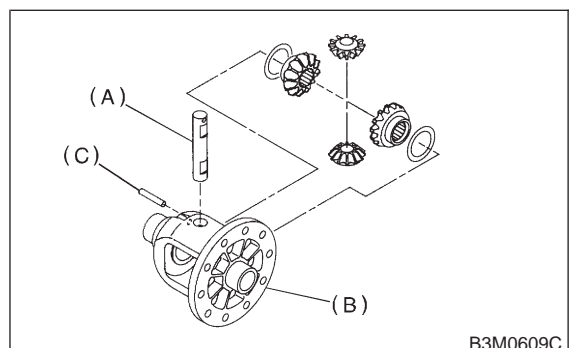
Washer (38.1 × 50 × t)	
Part No.	Thickness mm (in)
803038021	0.925 — 0.950 (0.0364 — 0.0374)
803038022	0.975 — 1.000 (0.0384 — 0.0394)
803038023	1.025 — 1.050 (0.0404 — 0.0413)

3) Align pinion shaft and differential case at their holes, and drive straight pin into holes from the hypoid driven gear side, using ST.

NOTE:

Lock straight pin after installing.

ST 899904100 REMOVER



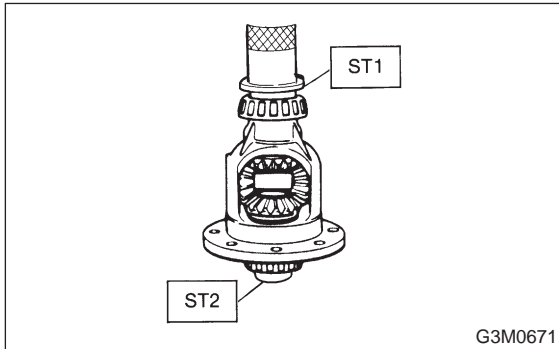
- (A) Pinion shaft
- (B) Differential case
- (C) Straight pin

4) Install roller bearing (40 × 80 × 19.75) to differential case.

NOTE:

Be careful because roller bearing outer races are used as a set.

- ST1 499277100 BUSH 1-2 INSTALLER
- ST2 398497701 ADAPTER

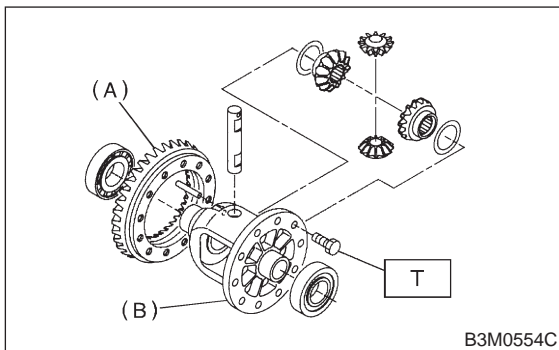


G3M0671

5) Install hypoid driven gear to differential case using twelve bolts.

Tightening torque:

T: 62±5 N·m (6.3±0.5 kg·m, 45.6±3.6 ft·lb)



B3M0554C

- (A) Hypoid driven gear
- (B) Differential case

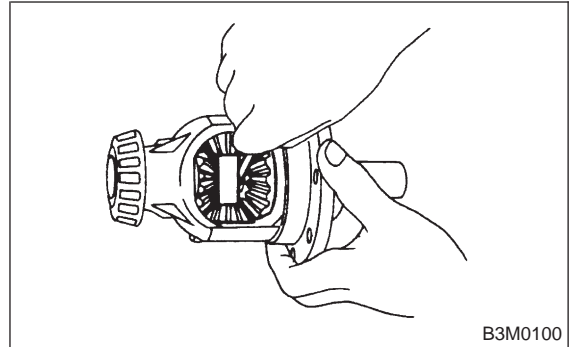
6) Position drive axle shaft in differential case and hold it with outer snap ring (28). Using a thickness gauge, measure clearance between the shaft and case is within specifications.

NOTE:

If it is not within specifications, replace snap ring with a suitable one.

Clearance:

0 — 0.2 mm (0 — 0.008 in)



B3M0100

Snap ring (Outer-28)	
Part No.	Thickness mm (in)
805028011	1.05 (0.0413)
805028012	1.20 (0.0472)