

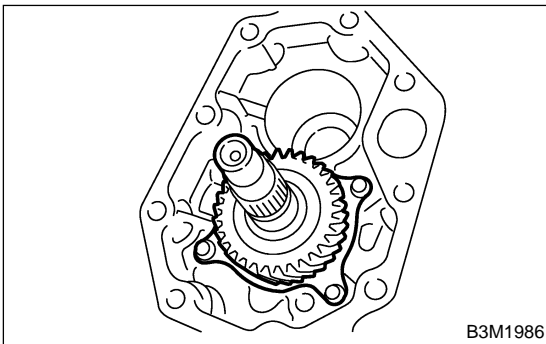
11. Transfer Drive Gear

S503229

A: REMOVAL

S503229A18

- 1) Remove the manual transmission assembly from vehicle. <Ref. to MT-27 REMOVAL, Manual Transmission Assembly.>
- 2) Remove back-up light switch and neutral position switch. <Ref. to MT-36 REMOVAL, Switches and Harness.>
- 3) Remove transfer case with extension case assembly. <Ref. to MT-39 REMOVAL, Transfer Case and Extension Case Assembly.>
- 4) Remove extension case assembly.
- 5) Remove transfer driven gear.
- 6) Remove transfer drive gear.



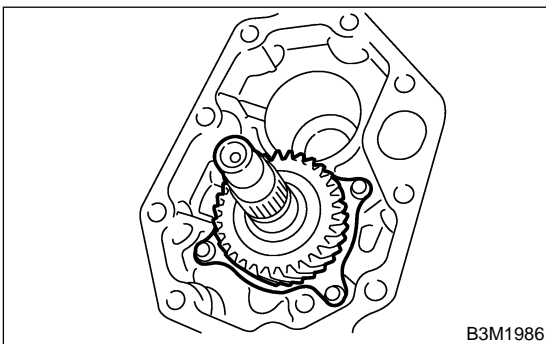
B: INSTALLATION

S503229A11

- 1) Install transfer drive gear.

Tightening torque:

8.8 N·m (0.9 kgf-m, 6.5 ft-lb)

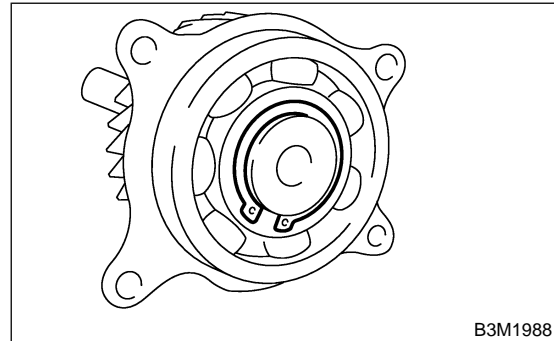


- 2) Install transfer driven gear.
- 3) Install transfer case and extension case assembly. <Ref. to MT-39 INSTALLATION, Transfer Case and Extension Case Assembly.>
- 4) Install back-up light switch and neutral position switch. <Ref. to MT-36 INSTALLATION, Switches and Harness.>
- 5) Install the manual transmission assembly from vehicle. <Ref. to MT-30 INSTALLATION, Manual Transmission Assembly.>

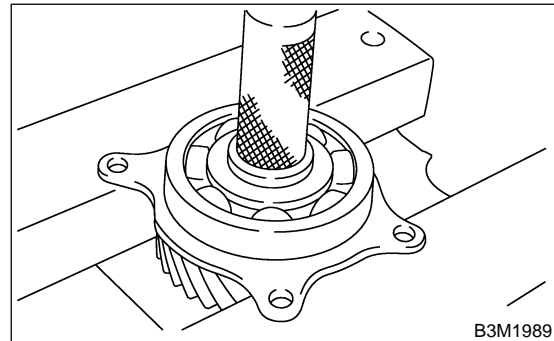
C: DISASSEMBLY

S503229A06

- 1) Remove snap ring.



- 2) Remove ball bearing.



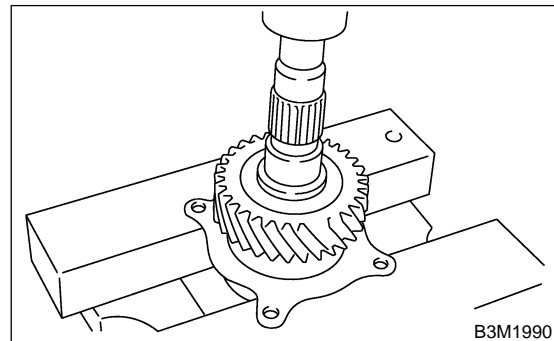
D: ASSEMBLY

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- 1) Install ball bearing.

CAUTION:

Do not apply pressure in excess of 10 kN (1 ton, 1.1 US ton, 1.0 Imp ton)



- 2) Install snap ring on transfer drive shaft.

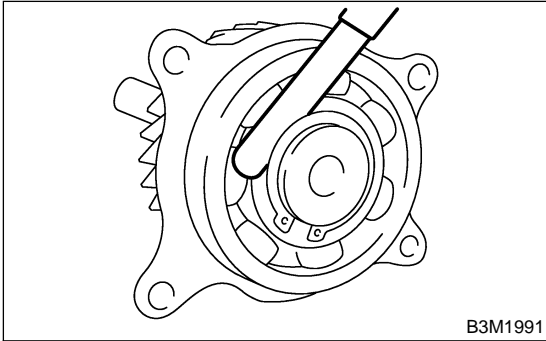
TRANSFER DRIVE GEAR

Manual Transmission and Differential

3) Measure clearance between snap ring and inner race of ball bearing with a thickness gauge.

Clearance:

0.01 — 0.15 mm (0.0004 — 0.0059 in)



4) If the measurement is not within the specification, select suitable snap ring.

Snap ring (Outer-30)	
Part No.	Thickness mm (in)
805030041	1.53 (0.0602)
805030042	1.65 (0.0650)
805030043	1.77 (0.697)

E: INSPECTION S503229A10

1) Bearings

Replace bearings in the following cases:

- Broken or rusty bearings
- Worn or damaged
- Bearings that fail to turn smoothly or make abnormal noise when turned after gear oil lubrication.

2) Drive gear

Replace drive gear in the following cases:

- If their tooth surfaces and shaft are excessively broken or damaged.