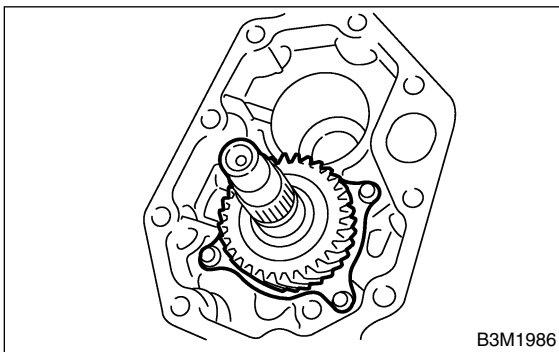


10. Transfer Drive Gear S503229

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-35, 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.

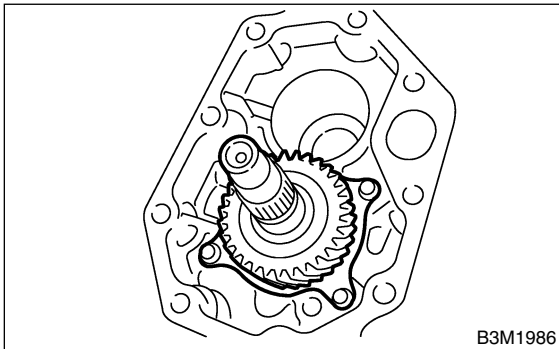


B: INSTALLATION S503229A11

- 1) Install transfer drive gear.

Tightening torque:

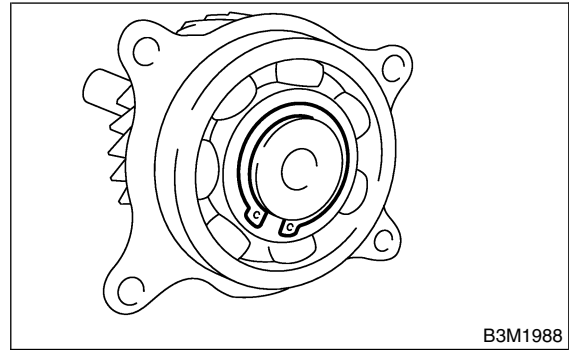
26 N·m (2.7 kgf·m, 20 ft·lb)



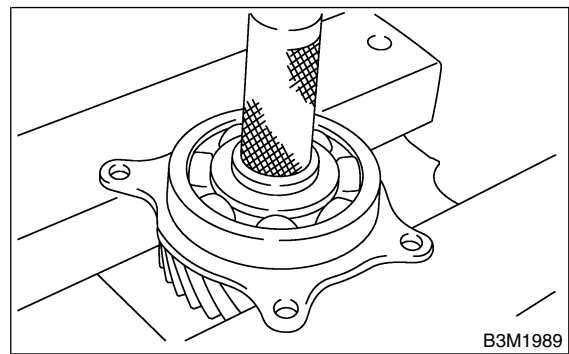
- 2) Install the extension case assembly.
- 3) Install transfer driven gear.
- 4) Install transfer case and extension case assembly. <Ref. to MT-39, INSTALLATION, Transfer Case and Extension Case Assembly.>
- 5) Install back-up light switch and neutral position switch. <Ref. to MT-35, INSTALLATION, Switches and Harness.>
- 6) Install the manual transmission assembly from vehicle. <Ref. to MT-29, INSTALLATION, Manual Transmission Assembly.>

C: DISASSEMBLY S503229A06

- 1) Remove snap ring.



- 2) Remove ball bearing.



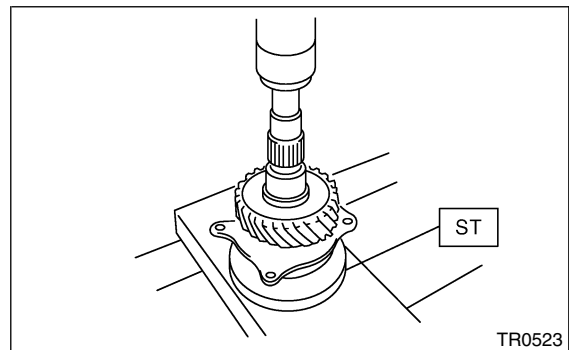
D: ASSEMBLY S503229A02

- 1) Set the ST to inner race of bearing and install to drive shaft.

ST 39817700 INSTALLER

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.
- 3) Inspect clearance between snap ring and inner race of ball bearing. <Ref. to MT-44, INSPECTION, Transfer Drive Gear.>

TRANSFER DRIVE GEAR

Manual Transmission and Differential

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

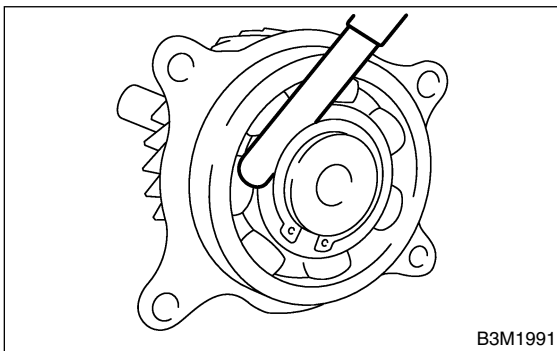
Replace drive gear in the following cases:

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

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)



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

Snap ring	
Part No.	Thickness mm (in)
805030041	1.53 (0.0602)
805030042	1.65 (0.0650)
805030043	1.77 (0.0697)