

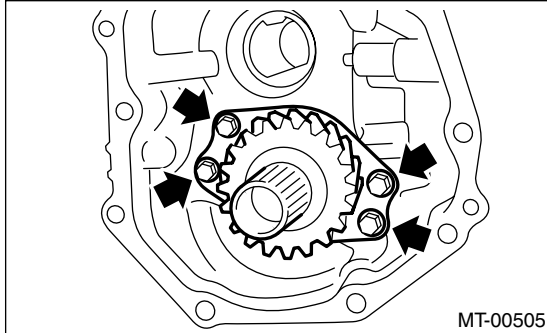
TRANSFER DRIVE GEAR

MANUAL TRANSMISSION AND DIFFERENTIAL

14. Transfer Drive Gear

A: REMOVAL

- 1) Remove the manual transmission assembly from vehicle. <Ref. to 6MT-35, REMOVAL, Manual Transmission Assembly.>
- 2) Prepare the transmission for overhaul. <Ref. to 6MT-40, Preparation for Overhaul.>
- 3) Remove the extension case. <Ref. to 6MT-47, REMOVAL, Extension Case.>
- 4) Remove the transfer drive gear.

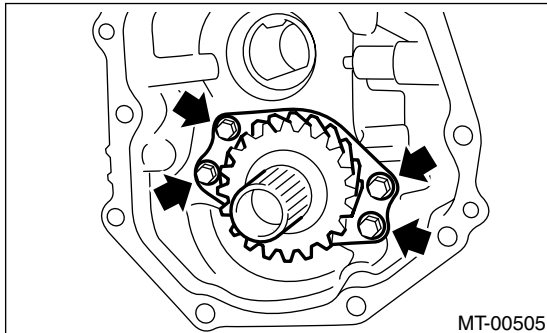


B: INSTALLATION

- 1) Install the transfer drive gear.

Tightening torque:

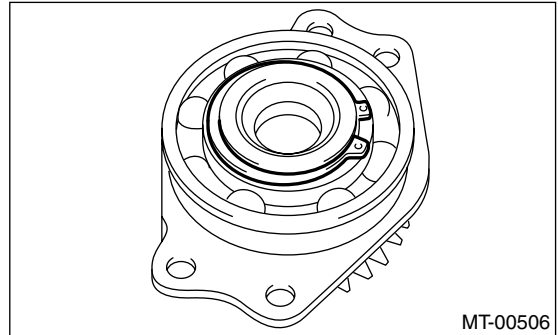
25 N·m (2.5 kgf·m, 18.1 ft·lb)



- 2) If the ball bearing, transfer drive gear or snap ring is replaced, select the transfer drive gear thrust washer. <Ref. to 6MT-49, ASSEMBLY, Extension Case.>
- 3) Install the extension case. <Ref. to 6MT-47, INSTALLATION, Extension Case.>
- 4) Install the manual transmission assembly to vehicle. <Ref. to 6MT-37, INSTALLATION, Manual Transmission Assembly.>

C: DISASSEMBLY

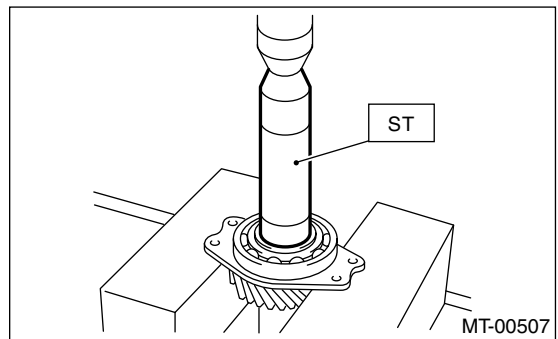
- 1) Remove the snap ring.



- 2) Using the ST, remove the ball bearing.
ST 499877000 RACE 4-5 INSTALLER

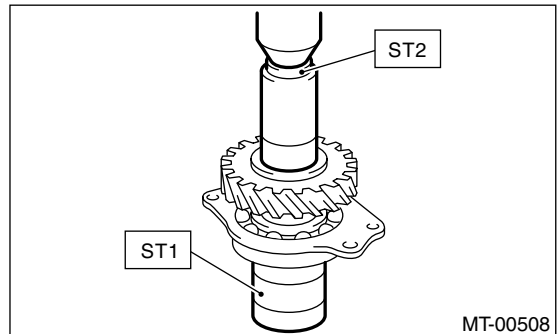
NOTE:

Do not reuse the ball bearing.



D: ASSEMBLY

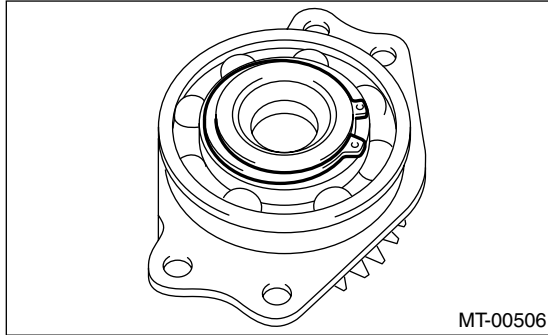
- 1) Using the ST, install the ball bearing.
ST1 499247400 INSTALLER
ST2 398497701 SEAT



TRANSFER DRIVE GEAR

MANUAL TRANSMISSION AND DIFFERENTIAL

2) Install the snap ring.



3) Inspect the clearance between snap ring and ball bearing. <Ref. to 6MT-57, INSPECTION, Transfer Drive Gear.>

E: INSPECTION

1) Bearings

Replace the bearings in the following cases.

- Broken or rusty bearings
- Worn or damaged
- Bearings that fail to turn smoothly or make abnormal noise.

2) Drive gear

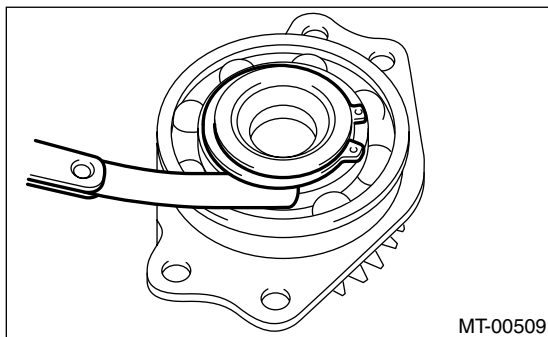
Replace the drive gear in the following cases.

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

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

Standard clearance between snap ring and inner race:

0 — 0.15 mm (0 — 0.0059 in)



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

| Thrust washer | |
|---------------|-------------------|
| Part No. | Thickness mm (in) |
| 805045050 | 1.76 (0.069) |
| 805045060 | 1.88 (0.074) |
| 805045070 | 2.00 (0.079) |

After replacement of the snap ring, inspect the clearance again.