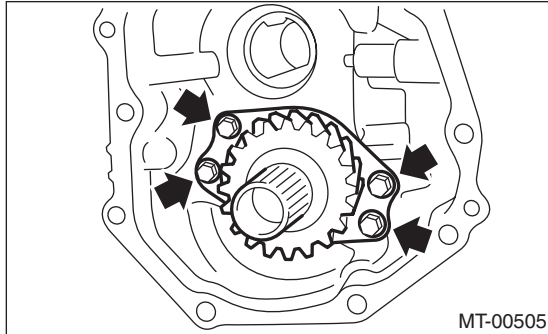


14. Transfer Drive Gear

A: REMOVAL

- 1) Remove the manual transmission assembly from the vehicle. <Ref. to 6MT-33, REMOVAL, Manual Transmission Assembly.>
- 2) Prepare the transmission for overhaul. <Ref. to 6MT-38, Preparation for Overhaul.>
- 3) Remove the extension case. <Ref. to 6MT-45, REMOVAL, Extension Case.>
- 4) Remove the transfer drive gear.

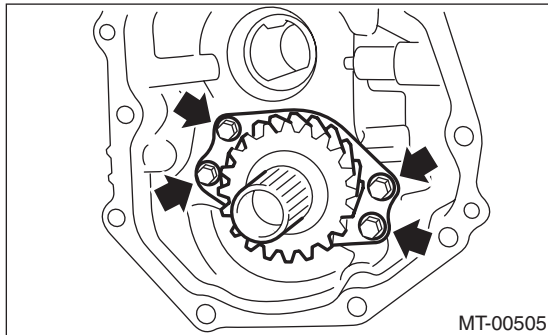


B: INSTALLATION

- 1) Install the transfer drive gear.

Tightening torque:

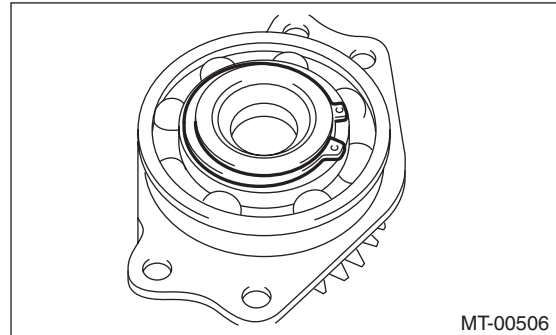
25 N·m (2.5 kgf-m, 18.4 ft-lb)



- 2) When the ball bearing, transfer drive gear or snap ring are replaced, select an appropriate thrust washer for the transfer drive gear. <Ref. to 6MT-46, ASSEMBLY, Extension Case.>
- 3) Install the extension case. <Ref. to 6MT-45, INSTALLATION, Extension Case.>
- 4) Install the manual transmission assembly to the vehicle. <Ref. to 6MT-35, INSTALLATION, Manual Transmission Assembly.>

C: DISASSEMBLY

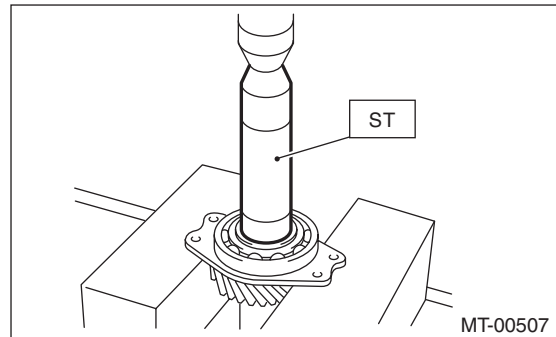
- 1) Remove the snap ring.



- 2) Remove the bearing using the ST.
ST 499877000 RACE 4-5 INSTALLER

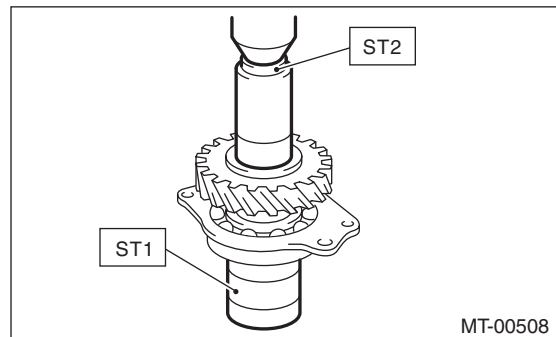
NOTE:

Use a new ball bearing.

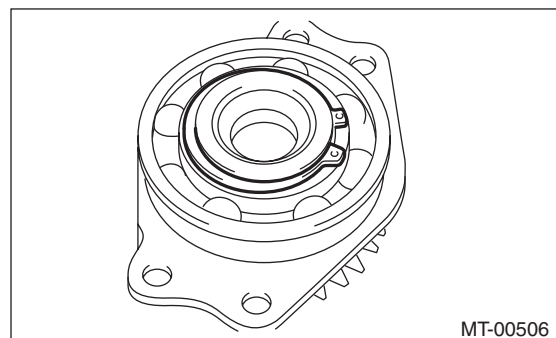


D: ASSEMBLY

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



- 2) Install the snap ring.



Transfer Drive Gear

MANUAL TRANSMISSION AND DIFFERENTIAL

3) Inspect the clearance between the snap ring and the ball bearing. <Ref. to 6MT-56, INSPECTION, Transfer Drive Gear.>

E: INSPECTION

1) Bearing

Replace the bearings in the following cases.

- If there is damage or rusting of the bearing.
- In case of wear or damage.
- If the bearing does not rotate smoothly or an abnormal noise is emitted.

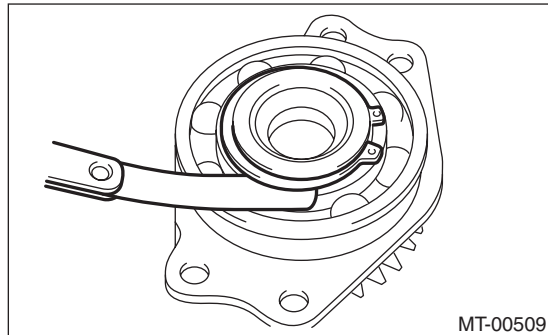
2) Drive gear

If the drive gear tooth surface and shaft are excessively broken or damaged, replace the drive gear.

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

Standard clearance between the snap ring and inner race:

0 — 0.15 mm (0 — 0.0059 in)



4) If the measurement is out of range, select an appropriate snap ring from the following table.

NOTE:

Match to be within the standard clearance range.

Snap ring	
Part No.	Thickness mm (in)
805045050	1.76 (0.069)
805045060	1.88 (0.074)
805045070	2.00 (0.079)

After replacing the snap ring, reinspect the clearance.