

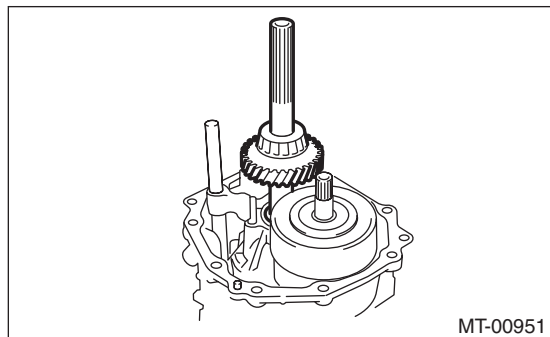
Transfer Driven Gear

MANUAL TRANSMISSION AND DIFFERENTIAL

16. Transfer Driven Gear

A: REMOVAL

- 1) Remove the manual transmission assembly from the vehicle. <Ref. to 6MT(TY85)-31, REMOVAL, Manual Transmission Assembly.>
- 2) Prepare the transmission for overhaul. <Ref. to 6MT(TY85)-38, Preparation for Overhaul.>
- 3) Remove the extension case. <Ref. to 6MT(TY85)-42, REMOVAL, Extension Case.>
- 4) Remove the transfer driven gear.



B: INSTALLATION

- 1) Install the transfer driven gear.

CAUTION:

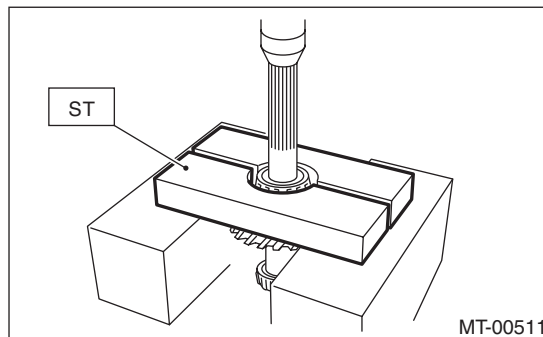
Apply transmission gear oil onto sliding or revolving surfaces before installation.

- 2) When the bearing or the transfer driven gear is replaced, select an appropriate adjusting washer for the transfer driven gear. <Ref. to 6MT(TY85)-44, ADJUSTMENT, Extension Case.>
- 3) Install the extension case. <Ref. to 6MT(TY85)-42, INSTALLATION, Extension Case.>
- 4) Install the manual transmission assembly to the vehicle. <Ref. to 6MT(TY85)-33, INSTALLATION, Manual Transmission Assembly.>

C: DISASSEMBLY

- 1) Using the ST, remove the taper roller bearing (extension case side).

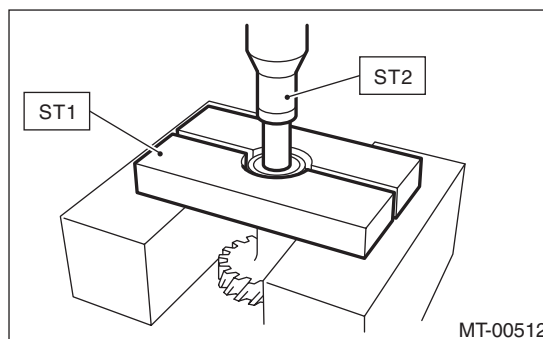
ST 498515700 REMOVER



- 2) Using the ST, remove the taper roller bearing (transmission case side).

ST1 899858600 REMOVER

ST2 899864100 REMOVER



D: ASSEMBLY

1) Using the ST, install the taper roller bearing (transmission case side).

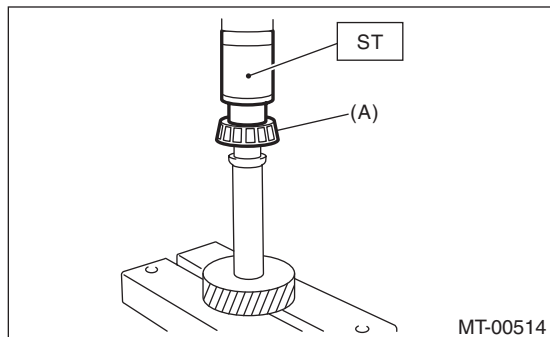
ST 499757002 INSTALLER

CAUTION:

- Do not apply pressure in excess of 10 kN (1 ton, 1.1 US ton, 1.0 Imp ton).
- Apply transmission gear oil onto sliding or revolving surfaces before installation.

NOTE:

Be careful when handling because the taper roller bearing and the outer race are used as a set.



(A) Taper roller bearing (transmission case side)

2) Using the ST, install the taper roller bearing (extension case side).

ST1 398177700 INSTALLER

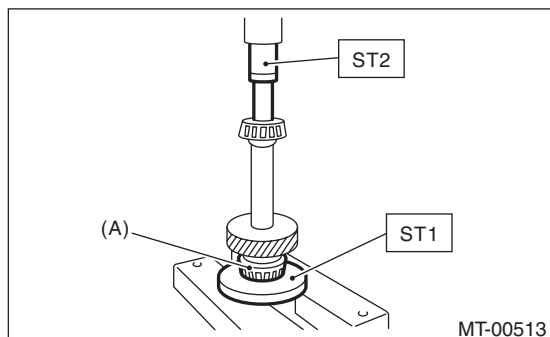
ST2 899864100 REMOVER

CAUTION:

- Do not apply pressure in excess of 10 kN (1 ton, 1.1 US ton, 1.0 Imp ton).
- Apply transmission gear oil onto sliding or revolving surfaces before installation.

NOTE:

Be careful when handling because the taper roller bearing and the outer race are used as a set.



(A) Taper roller bearing (extension case side)

E: INSPECTION

1) Bearing

Replace the bearings in the following cases.

- Damage or rust on the bearings
- Wear or damage
- After applying transmission gear oil, bearing does not rotate smoothly or an abnormal noise is emitted.

2) Driven gear

Replace the driven gear in the following cases.

- If the driven gear tooth surface and shaft are excessively damaged or broken.