

### 13. Center Differential

#### A: REMOVAL

- 1) Remove the manual transmission assembly from the vehicle. <Ref. to 6MT(TY75)-25, REMOVAL, Manual Transmission Assembly.>
- 2) Remove the back-up light switch and the neutral position switch. <Ref. to 6MT(TY75)-45, REMOVAL, Switches and Harness.>
- 3) Remove the transfer case together with the extension case assembly. <Ref. to 6MT(TY75)-51, REMOVAL, Transfer Case and Extension Case Assembly.>
- 4) Remove the extension case assembly. <Ref. to 6MT(TY75)-51, REMOVAL, Transfer Case and Extension Case Assembly.>
- 5) Remove the center differential and transfer driven gear as a unit. <Ref. to 6MT(TY75)-65, REMOVAL, Transfer Driven Gear.>

#### B: INSTALLATION

- 1) Install the center differential and transfer driven gear into the transfer case as a unit. <Ref. to 6MT(TY75)-66, INSTALLATION, Transfer Driven Gear.>
- 2) Select the adjusting washer. <Ref. to 6MT(TY75)-53, INSTALLATION, Transfer Case and Extension Case Assembly.>
- 3) Install the transfer driven gear. <Ref. to 6MT(TY75)-66, INSTALLATION, Transfer Driven Gear.>
- 4) Install the extension case assembly. <Ref. to 6MT(TY75)-53, INSTALLATION, Transfer Case and Extension Case Assembly.>
- 5) Install the transfer case together with the extension case assembly. <Ref. to 6MT(TY75)-53, INSTALLATION, Transfer Case and Extension Case Assembly.>
- 6) Install the back-up light switch and the neutral position switch. <Ref. to 6MT(TY75)-46, INSTALLATION, Switches and Harness.>
- 7) Install the manual transmission assembly to the vehicle. <Ref. to 6MT(TY75)-30, INSTALLATION, Manual Transmission Assembly.>

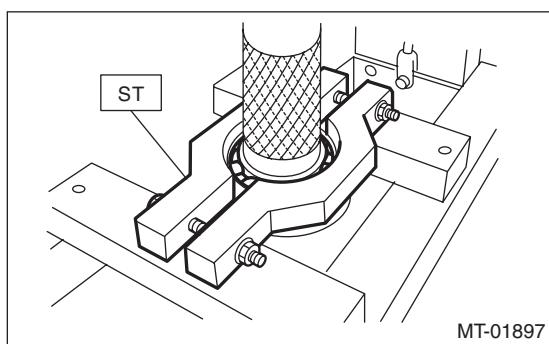
#### C: DISASSEMBLY

Remove the ball bearing using ST.

##### NOTE:

Center differential is a non-disassembled part which should not be disassembled.

ST 498077600 CENTER DIFFERENTIAL BEARING REMOVER



### D: ASSEMBLY

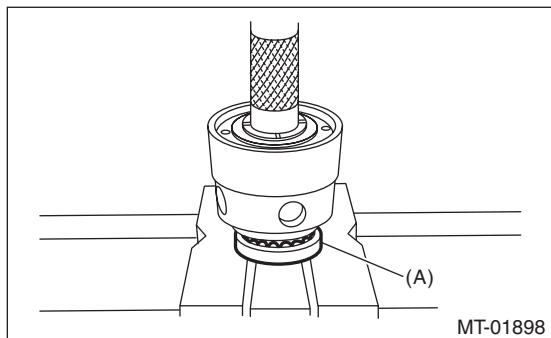
Install the ball bearings.

**CAUTION:**

**Do not apply a load in excess of 10 kN (1 ton, 1.1 US ton, 1.0 Imp ton).**

**NOTE:**

Use a new ball bearing.



(A) Ball bearing

### E: INSPECTION

1) Ball bearing

Replace the ball bearing in following cases.

- In case of broken or rusty ball bearings
- In case of worn or damaged ball bearings
- When the ball bearings fail to turn smoothly or emit noise in rotation after gear oil lubrication.
- When the ball bearing has other defects.

2) Center differential

If there is wear or damage, replace the center differential assembly.