13.Center Differential

A: REMOVAL

1) Remove the manual transmission assembly from vehicle. <Ref. to 5MT-28, REMOVAL, Manual Transmission Assembly.>

2) Remove the transfer case with extension case assembly. <Ref. to 5MT-42, REMOVAL, Transfer Case and Extension Case Assembly.>

3) Remove the extension case assembly. <Ref. to 5MT-42, REMOVAL, Transfer Case and Extension Case Assembly.>

4) Remove the transfer driven gear. <Ref. to 5MT-48, REMOVAL, Transfer Driven Gear.>

5) Remove the center differential.

B: INSTALLATION

1) Install the center differential into transfer case.

2) Install the transfer driven gear. <Ref. to 5MT-48, INSTALLATION, Transfer Driven Gear.>

3) Install the extension case assembly. <Ref. to 5MT-42, INSTALLATION, Transfer Case and Extension Case Assembly.>

4) Install the transfer case with extension case assembly. <Ref. to 5MT-42, REMOVAL, Transfer Case and Extension Case Assembly.>

5) Install the back-up light switch and neutral position switch. <Ref. to 5MT-38, REMOVAL, Switches and Harness.>
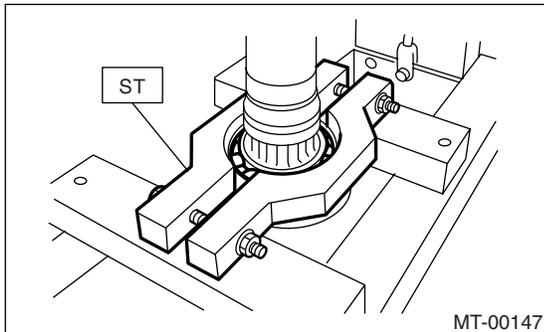
6) Install the manual transmission assembly to vehicle. <Ref. to 5MT-31, INSTALLATION, Manual Transmission Assembly.>

C: DISASSEMBLY

1) Remove the ball bearing using ST.

NOTE:
Do not reuse the ball bearing.

ST   498077300   CENTER DIFFERENTIAL
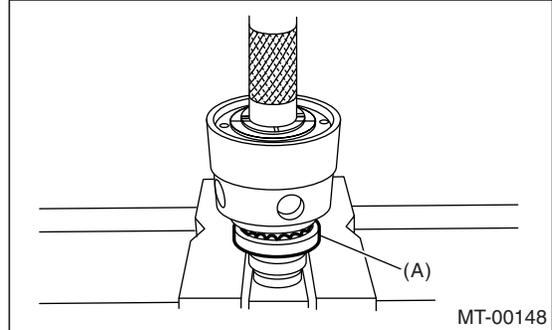   BEARING REMOVER

MT-00147

2) Do not disassemble the center differential except ball bearing part because it is a non-disassemble part.

D: ASSEMBLY

Install the ball bearing to center differential assembly.

NOTE:
Do not apply pressure in excess of 10 kN (1 ton, 1.1 US ton, 1.0 Imp ton).

MT-00148

(A)   Ball bearing

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 noise when turned after gear oil lubrication.
• Bearings having other defects

2) Center differential
Replace the center differential assembly in the following case:
• Worn or damaged