

## 10. Center Differential

S503158

### A: REMOVAL

S503158A18

- 1) Remove the manual transmission assembly from vehicle. <Ref. to MT-27 REMOVAL, Manual Transmission Assembly.>
- 2) Remove back-up light switch and neutral position switch.
- 3) Remove the transfer case and extension case assembly. <Ref. to MT-40 REMOVAL, Transfer Case and Extension Case Assembly.>
- 4) Remove the extension case assembly. <Ref. to MT-40 REMOVAL, Transfer Case and Extension Case Assembly.>
- 5) Remove the transfer driven gear. <Ref. to MT-45 REMOVAL, Transfer Driven Gear.>
- 6) Remove the center differential.

### B: INSTALLATION

S503158A11

- 1) Install the center differential into transmission case.
- 2) Install the transfer driven gear. <Ref. to MT-45 INSTALLATION, Transfer Driven Gear.>
- 3) Install the transfer case and extension case assembly. <Ref. to MT-40 INSTALLATION, Transfer Case and Extension Case Assembly.>
- 4) Install back-up light switch and neutral position switch.
- 5) Install the manual transmission assembly to vehicle. <Ref. to MT-31 INSTALLATION, Manual Transmission Assembly.>

### C: DISASSEMBLY

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#### NOTE:

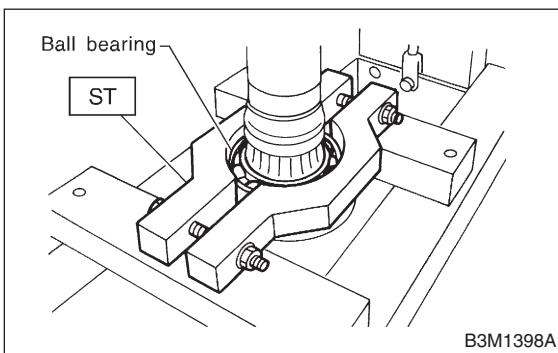
Do not disassemble center differential because it is a non-disassembled part.

Remove ball bearing using ST.

#### CAUTION:

**Do not reuse ball bearing.**

ST 498077300 CENTER DIFFERENTIAL BEARING REMOVER



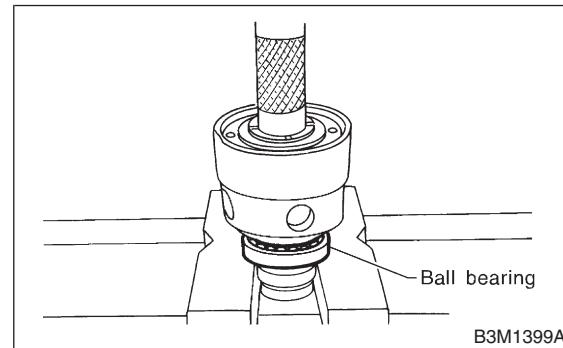
### D: ASSEMBLY

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Install ball bearing to center differential assembly.

#### CAUTION:

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



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### E: INSPECTION

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#### 1) Bearings

Replace bearings in the following cases:

- Broken or rusty bearings
- Worn or damaged
- Bearings that fail to turn smoothly or make abnormal noise when turned after gear oil lubrication.
- Bearings having other defects

- 2) Center differential

Replace center differential assembly in the following case:

- Worn or damaged