

## 25. Clutch Housing

### 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 oil pipe, neutral position switch, back-up light switch and harness. <Ref. to 6MT-40, REMOVAL, Oil Pipe.> <Ref. to 6MT-43, REMOVAL, Neutral Position Switch.> <Ref. to 6MT-41, REMOVAL, Back-up Light Switch.>
- 4) Remove the extension case. <Ref. to 6MT-45, REMOVAL, Extension Case.>
- 5) Remove the transfer driven gear. <Ref. to 6MT-57, REMOVAL, Transfer Driven Gear.>
- 6) Remove the center differential. <Ref. to 6MT-59, REMOVAL, Center Differential.>
- 7) Remove the oil pump. <Ref. to 6MT-60, REMOVAL, Oil Pump.>
- 8) Remove the transmission case. <Ref. to 6MT-64, REMOVAL, Transmission Case.>
- 9) Remove the individual gear assemblies. <Ref. to 6MT-69, REMOVAL, Main Shaft Assembly.>
- 10) Remove the drive pinion shaft assembly. <Ref. to 6MT-95, REMOVAL, Drive Pinion Shaft Assembly.>
- 11) Remove the front differential assembly. <Ref. to 6MT-101, REMOVAL, Front Differential Assembly.>

### B: INSTALLATION

- 1) Install the pitching stopper bracket.

#### **Tightening torque:**

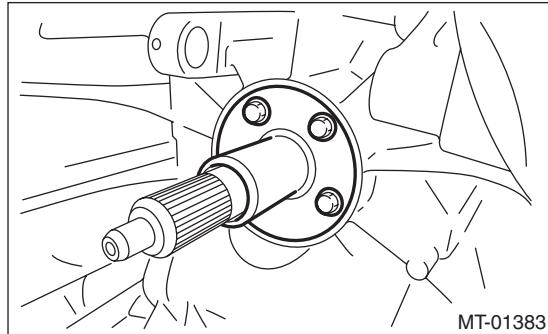
**41 N·m (4.2 kgf·m, 30.2 ft·lb)**

- 2) Install the front differential assembly. <Ref. to 6MT-101, INSTALLATION, Front Differential Assembly.>
- 3) Install the drive pinion shaft assembly. <Ref. to 6MT-95, INSTALLATION, Drive Pinion Shaft Assembly.>
- 4) Install the individual gear assemblies all at once. <Ref. to 6MT-70, INSTALLATION, Main Shaft Assembly.>
- 5) Install the transmission case. <Ref. to 6MT-65, INSTALLATION, Transmission Case.>
- 6) Install the oil pump. <Ref. to 6MT-62, INSTALLATION, Oil Pump.>
- 7) Install the center differential. <Ref. to 6MT-59, INSTALLATION, Center Differential.>
- 8) Install the transfer driven gear. <Ref. to 6MT-57, INSTALLATION, Transfer Driven Gear.>
- 9) Install the extension case. <Ref. to 6MT-45, INSTALLATION, Extension Case.>

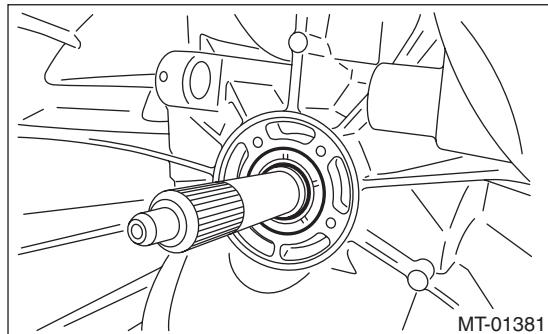
- 10) Install the oil pipe, neutral position switch, back-up light switch and harness. <Ref. to 6MT-40, INSTALLATION, Oil Pipe.> <Ref. to 6MT-43, INSTALLATION, Neutral Position Switch.> <Ref. to 6MT-41, INSTALLATION, Back-up Light Switch.>
- 11) Install the manual transmission assembly to the vehicle. <Ref. to 6MT-35, INSTALLATION, Manual Transmission Assembly.>

### C: DISASSEMBLY

- 1) Remove the clutch release bearing guide.



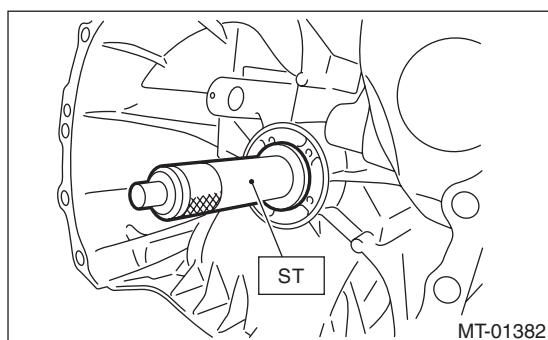
- 2) Remove the oil seal.



### D: ASSEMBLY

- 1) Attach the oil seal to the clutch housing, being careful not to damage the seal.

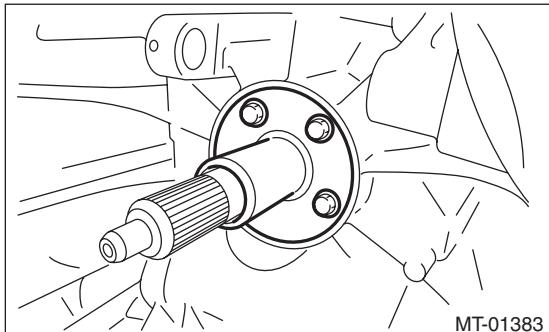
ST 18657AA020 OIL SEAL INSTALLER



- 2) Install the clutch release bearing guide.

**Tightening torque:**

**6.4 N·m (0.65 kgf·m, 4.7 ft-lb)**



### E: INSPECTION

- 1) Check to make sure there is no damage or cracks on the clutch housing. If there is excessive damage, replace the clutch housing.
- 2) Inspect the clutch housing for gear oil leakage. If any oil leaks are found, repair or replace the applicable part.