

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:

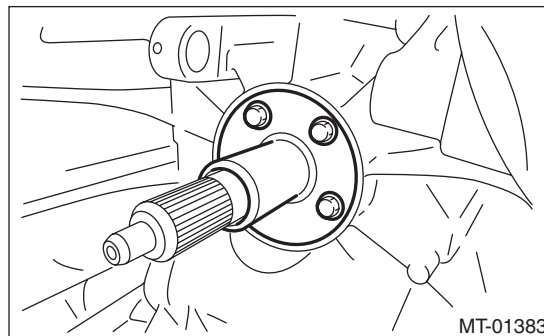
41 N·m (4.2 kgf-m, 30.2 ft-lb)

- 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.>

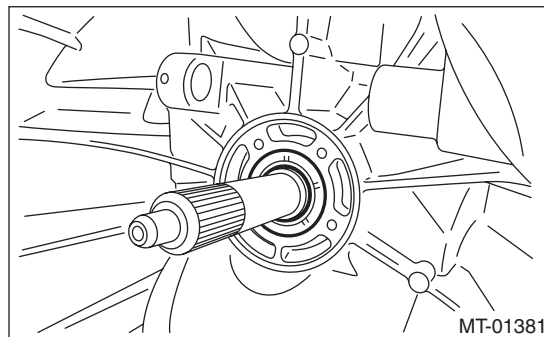
- 10) Install the oil pipe, neutral position switch, back-up light switch and harness. <Ref. to 6MT-40, INSTALLATION, Oil Pipe.> <Ref. to 6MT-43, INSTALLATION, Neutral Position Switch.> <Ref. to 6MT-41, INSTALLATION, Back-up Light Switch.>
- 11) Install the manual transmission assembly to the vehicle.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

C: DISASSEMBLY

- 1) Remove the clutch release bearing guide.



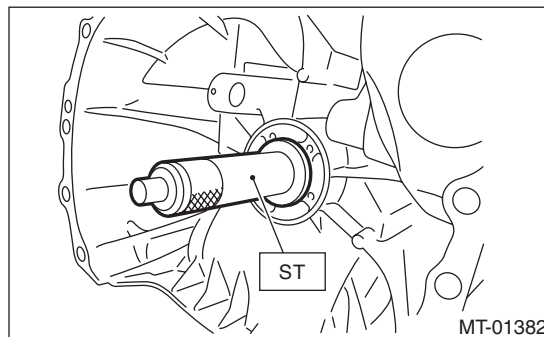
- 2) Remove the oil seal.



D: ASSEMBLY

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

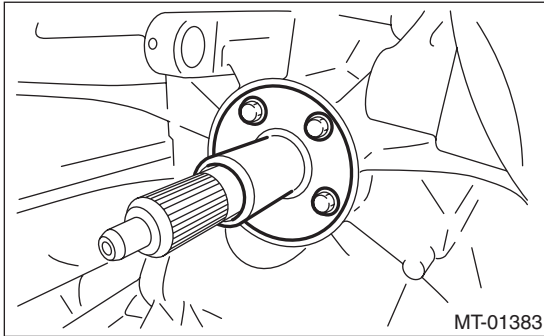
ST 18657AA020 OIL SEAL INSTALLER



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.