

25. Clutch Housing

A: REMOVAL

- 1) Remove the manual transmission assembly from the vehicle. <Ref. to 6MT(TY85)-31, REMOVAL, Manual Transmission Assembly.>
- 2) Prepare the transmission for overhaul. <Ref. to 6MT(TY85)-38, Preparation for Overhaul.>
- 3) Remove the neutral position switch, back-up light switch and harness. <Ref. to 6MT(TY85)-41, REMOVAL, Neutral Position Switch.> <Ref. to 6MT(TY85)-40, REMOVAL, Back-up Light Switch.>
- 4) Remove the extension case. <Ref. to 6MT(TY85)-42, REMOVAL, Extension Case.>
- 5) Remove the transfer driven gear. <Ref. to 6MT(TY85)-54, REMOVAL, Transfer Driven Gear.>
- 6) Remove the center differential. <Ref. to 6MT(TY85)-56, REMOVAL, Center Differential.>
- 7) Remove the transmission case. <Ref. to 6MT(TY85)-57, REMOVAL, Transmission Case.>
- 8) Remove the individual gear assemblies. <Ref. to 6MT(TY85)-63, REMOVAL, Main Shaft Assembly.>
- 9) Remove the drive pinion shaft assembly. <Ref. to 6MT(TY85)-92, REMOVAL, Drive Pinion Shaft Assembly.>
- 10) Remove the front differential assembly. <Ref. to 6MT(TY85)-99, 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)

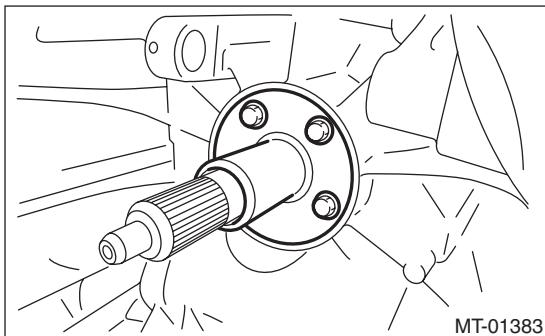
- 2) Install the front differential assembly. <Ref. to 6MT(TY85)-100, INSTALLATION, Front Differential Assembly.>
- 3) Install the drive pinion shaft assembly. <Ref. to 6MT(TY85)-92, INSTALLATION, Drive Pinion Shaft Assembly.>
- 4) Install the individual gear assemblies all at once. <Ref. to 6MT(TY85)-64, INSTALLATION, Main Shaft Assembly.>
- 5) Install the transmission case. <Ref. to 6MT(TY85)-59, INSTALLATION, Transmission Case.>
- 6) Install the center differential. <Ref. to 6MT(TY85)-56, INSTALLATION, Center Differential.>
- 7) Install the transfer driven gear. <Ref. to 6MT(TY85)-54, INSTALLATION, Transfer Driven Gear.>
- 8) Install the extension case. <Ref. to 6MT(TY85)-42, INSTALLATION, Extension Case.>

9) Install the neutral position switch, back-up light switch and harness. <Ref. to 6MT(TY85)-41, INSTALLATION, Neutral Position Switch.> <Ref. to 6MT(TY85)-40, INSTALLATION, Back-up Light Switch.>

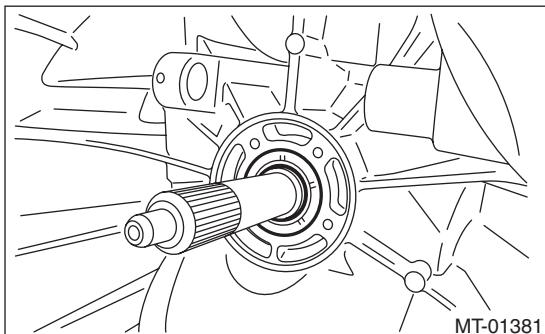
10) Install the manual transmission assembly to the vehicle. <Ref. to 6MT(TY85)-33, INSTALLATION, Manual Transmission Assembly.>

C: DISASSEMBLY

- 1) Remove the clutch release bearing guide.



- 2) Remove the oil seal.



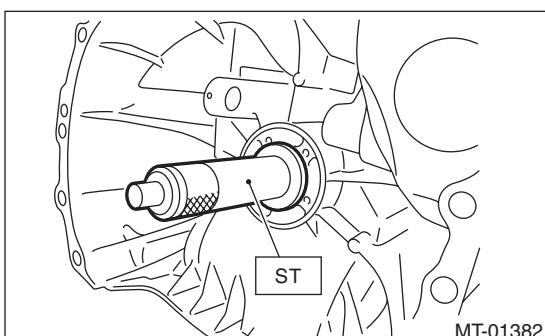
D: ASSEMBLY

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

NOTE:

Use a new oil seal.

ST 18657AA020 OIL SEAL INSTALLER



- 2) Install the clutch release bearing guide.

Tightening torque:

6.4 N·m (0.7 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 transmission gear oil leakage. If any oil leaks are found, repair or replace the applicable part.