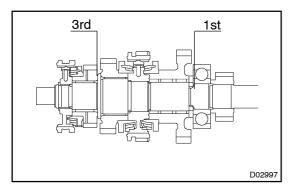
MT07N-01



DISASSEMBLY

1. INSPECT EACH GEAR THRUST CLEARANCE

Measure the thrust clearance of each gear.

Standard clearance:

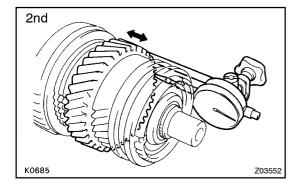
1st gear: 0.20 -0.45 mm (0.0078 -0.0177 in.)

2nd and 3rd gears: 0. 10-0.25 mm (0.0039 -0.0098 in.)

Maximum clearance:

1st gear: 0.50 mm (0.0 197 in.)

2nd and 3rd gears: 0.30 mm (0.0 118 in.)



2. INSPECT EACH GEAR RADIAL CLEARANCE

Using a dial indicator, measure the radial clearance of each gear.

Standard clearance:

1st gear: 0.020 -0.073 mm (0.0008 -0.0029 in.)

2nd and 3rd gears:

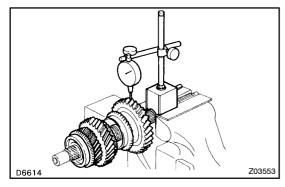
0.015-0.068 mm (0.0006 -0.0027 in.)

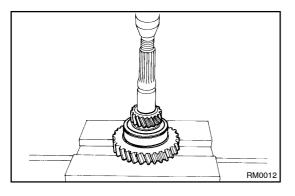
Maximum clearance:

1st gear: 0. 160 mm (0.0063 in.)

2nd and 3rd gears: 0. 160 mm (0.0063 in.)

If the clearance exceeds the maximum, replace the gear, needle roller bearing or shaft.

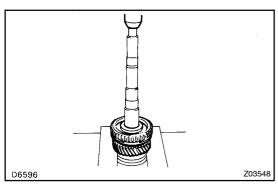


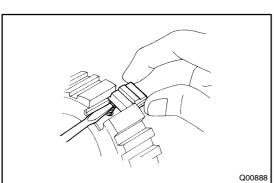


3. REMOVE 5TH GEAR, OUTPUT SHAFT CENTER BEARINGAND 1STGEARASSEMBLY

- (a) Using a press, remove the 5th gear, center bearing, thrust washer and 1st gear.
- (b) Remove the synchronizer inner ring, middle ring and outer ring from the 1st gear.
- (c) Remove the straight pin and needle roller bearing.
- (d) Remove the spacer.

1.



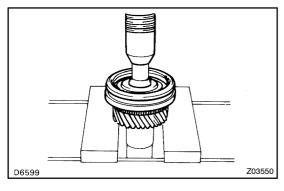


4. REMOVE REVERSE GEAR ASSEMBLY AND 2ND GEAR ASSEMBLY

- (a) Using 2 screwdrivers and a hammer, tap out the snap ring.
- (b) Using a press, remove the reverse gear assembly and 2nd gear assembly.
- (c) Remove the needle roller bearing.
- (d) Remove the synchronizer inner ring, middle ring and outering from the 2nd gear.

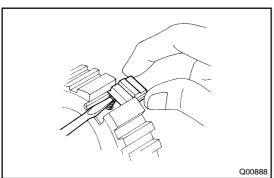
5. REMOVE REVERSE GEAR, SHIFTING KEY AND SPRINGFROMCLUTCHHUBNO. 1

- (a) Remove the reverse gear from the clutch hub No. 1.
- (b) Push the shifting key spring with a screwdriver, remove the 3 shifting keys and key springs from clutch hub No.



6. REMOVE HUB SLEEVE NO.2 ASSEMBLY AND 3RD GEAR ASSEMBLY

- (a) Using a snap ring expander, remove the snap ring.
- (b) Using a press, remove the hub sleeve No.2 assembly and 3rd gear assembly.
- (c) Remove the needle roller bearing.
- (d) Remove the synchronizer inner ring, middle ring and outer ring from the 3rd gear.



7. REMOVE HUB SLEEVE NO.2, SHIFTING KEY AND SPRING FROM CLUTCH HUB NO.2

- (a) Remove the hub sleeve No.2 from the clutch hub No.2.
- (b) Push the shifting key spring with a screwdriver, remove the 3 shifting keys and key springs from clutch hub No.2.