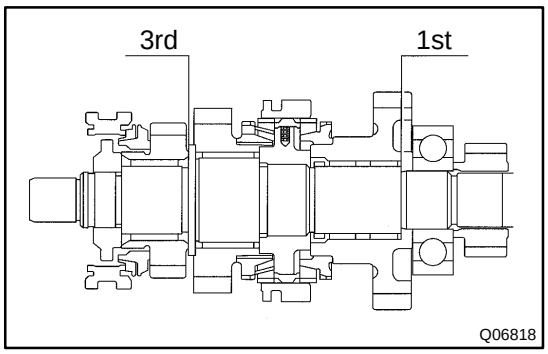
MT034–04

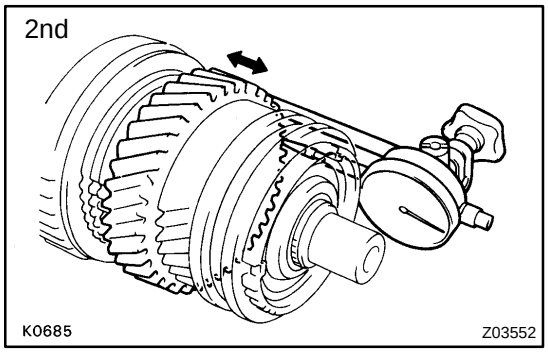


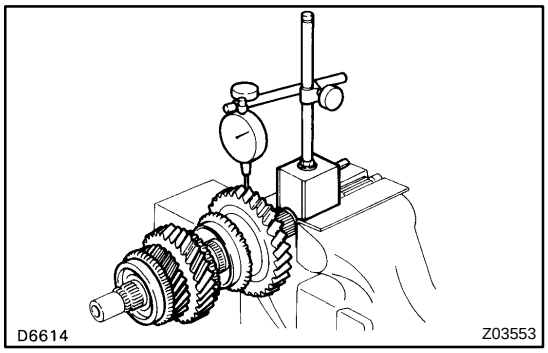
DISASSEMBLY

1. INSPECT EACH GEAR THRUST CLEARANCE

Measure the thrust clearance of each gear.

Standard clearance:
1st gear:
0.20 – 0.45 mm (0.0079 – 0.0177 in.)
2nd and 3rd gears:
0.10 – 0.25 mm (0.0039 – 0.0098 in.)
Maximum clearance:
1st gear: 0.45 mm (0.0177 in.)
2nd and 3rd gears: 0.25 mm (0.0098 in.)



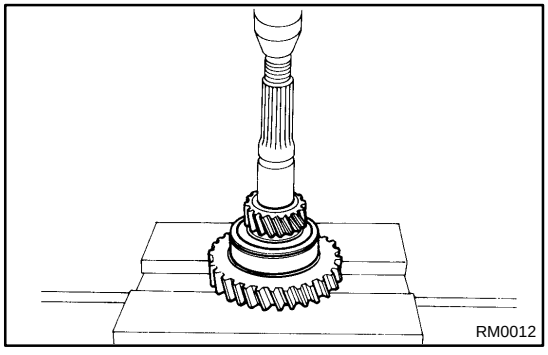


2. INSPECT EACH GEAR RADIAL CLEARANCE

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

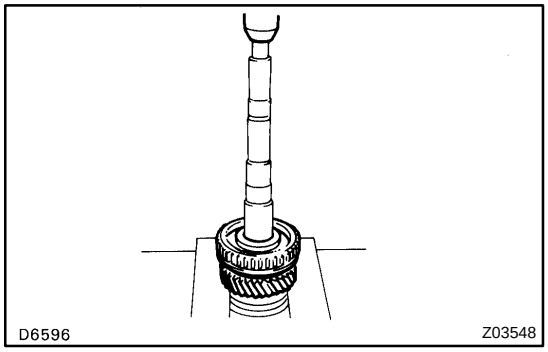
Standard clearance:
1st gear:
0.020 – 0.073 mm (0.0008 – 0.0029 in.)
2nd and 3rd gears:
0.015 – 0.068 mm (0.0006 – 0.0027 in.)
Maximum clearance:
1st gear: 0.073 mm (0.0029 in.)
2nd and 3rd gears: 0.068 mm (0.0027 in.)

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



3. REMOVE 5TH GEAR, OUTPUT SHAFT CENTER BEARING AND 1ST GEAR ASSEMBLY

(a) Using a press, remove the 5th gear, center bearing, thrust washer and 1st gear assembly.
(b) Remove the straight pin and needle roller bearing.
(c) Remove the spacer.

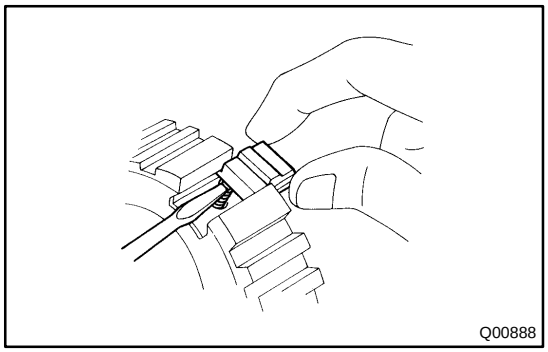


4. REMOVE REVERSE GEAR ASSEMBLY AND 2ND GEAR ASSEMBLY

(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.

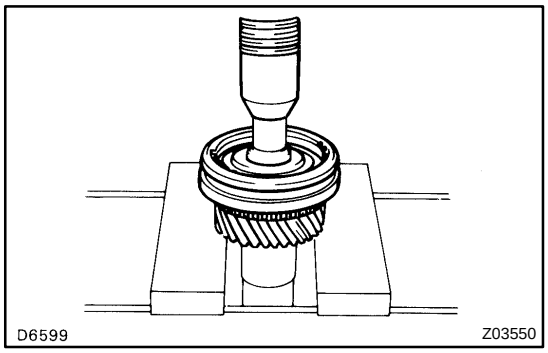
(c) Remove the needle roller bearing.



5. REMOVE REVERSE GEAR, SHIFTING KEY AND SPRING FROM CLUTCH HUB NO.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.



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.

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

Using a screwdriver, remove the 3 shifting keys and 2 springs.