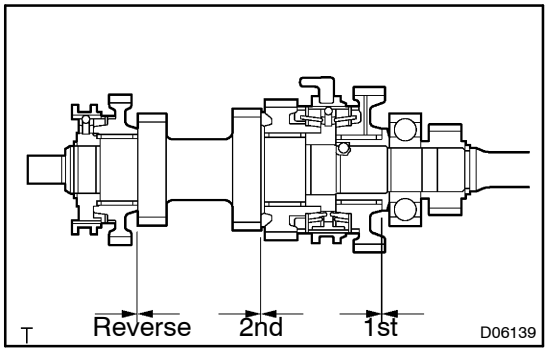
MT093–01

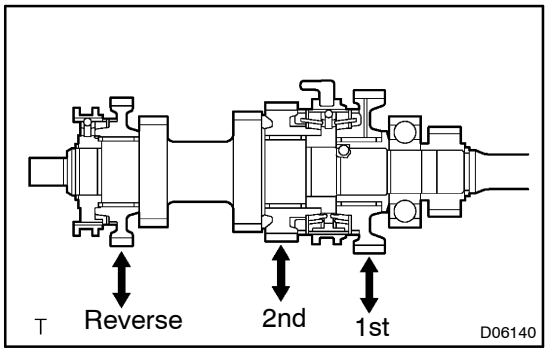
DISASSEMBLY



1. INSPECT EACH GEAR THRUST CLEARANCE

Using a feeler gauge, measure the thrust clearance of each gear.

Standard clearance:
1st gear: 0.15 – 0.40 mm (0.0059 – 0.0157 in.)
2nd and reverse gear:
0.10 – 0.45 mm (0.0039 – 0.0177 in.)

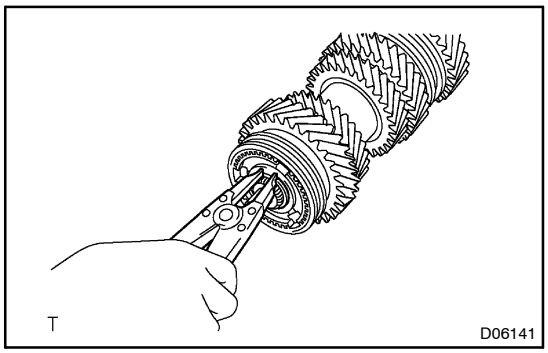


2. INSPECT EACH GEAR RADIAL CLEARANCE

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

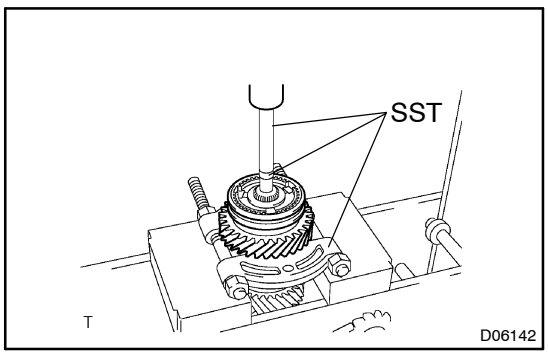
Standard clearance:
0.015 – 0.066 mm (0.00059 – 0.00260 in.)

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

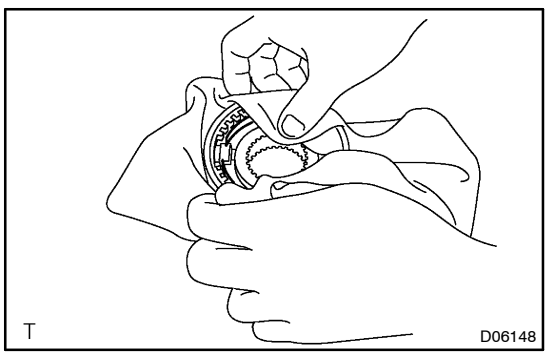


3. REMOVE REVERSE GEAR

(a) Using a snap ring expander, remove the snap ring.

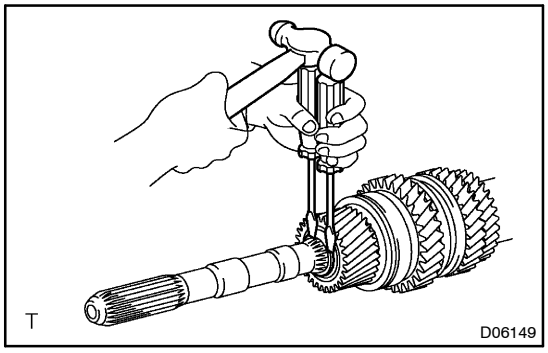


(b) Using SST and a press, remove the transmission clutch hub No. 3 and reverse gear, synchronizer ring No. 3 and reverse gear bearing.
SST 09950–00020, 09950–60010 (09951–00230), 09950–70010 (09951–07100)



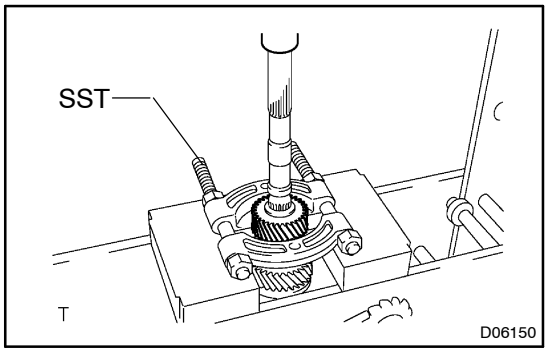
4. REMOVE HUB SLEEVE NO.3

(a) Cover the hub sleeve No.3 with a cloth, remove the hub sleeve No.3.
(b) Remove the 3 shifting keys, 3 shifting springs and 3 shifting key balls.

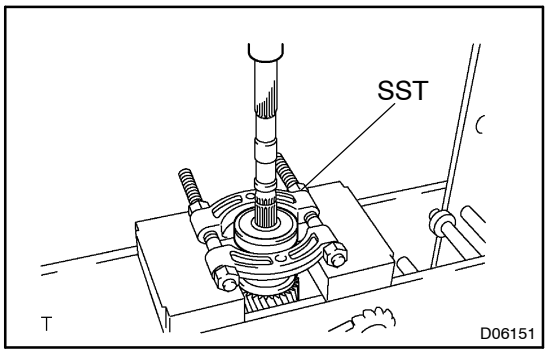


5. REMOVE 6TH GEAR

(a) Using 2 screwdrivers and hammer, remove the 6th gear shaft snap ring.



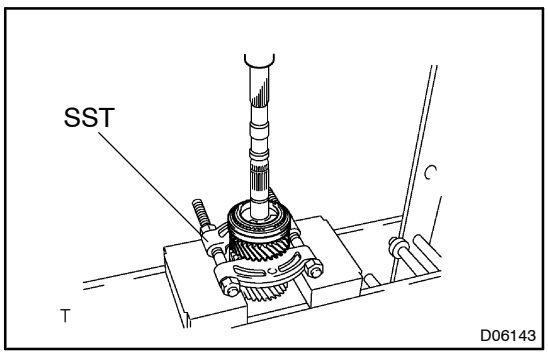
(b) Using SST and press, remove the 6th gear.
SST 09950–00020



6. REMOVE 1ST GEAR

(a) Using SST and press, remove the output shaft bearing RR.
SST 09950–00020

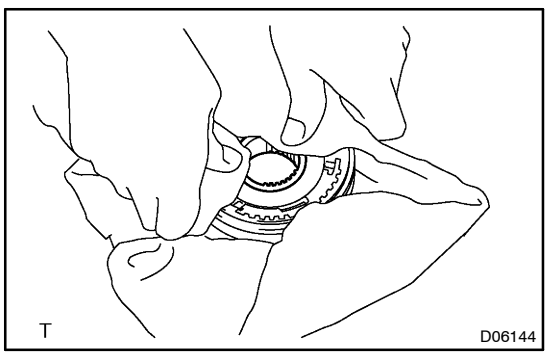
(b) Remove the 1st gear bearing inner race 1st gear needle roller bearing and 1st shift restrict ball.



7. REMOVE 2ND GEAR

Using SST and press, remove the 2nd gear, transmission clutch hub No. 1 and 2nd gear needle roller bearing.
SST 09950–00020

8. REMOVE SYNCHRONIZER RING SET NO. 1



9. REMOVE HUB SLEEVE NO. 1

(a) Cover the hub sleeve No. 1 with a cloth, remove the hub sleeve No.1.

(b) Remove the 3 shifting keys, 3 shifting springs and 3 shifting key balls.