

DISASSEMBLY

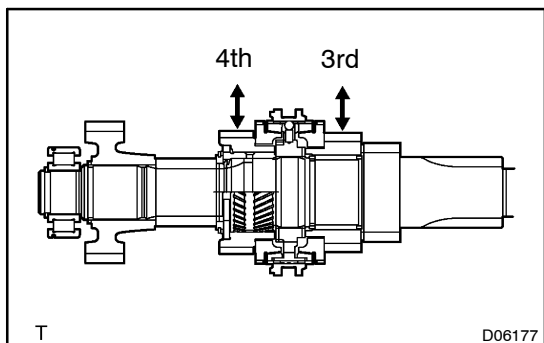
1. INSPECT THRUST CLEARANCE

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

Standard clearance:

0.10 – 0.35 mm (0.0039 – 0.0138 in.)

If the clearance is not as standard, adjust the clearance by using 4th gear washer.



2. INSPECT RADIAL CLEARANCE

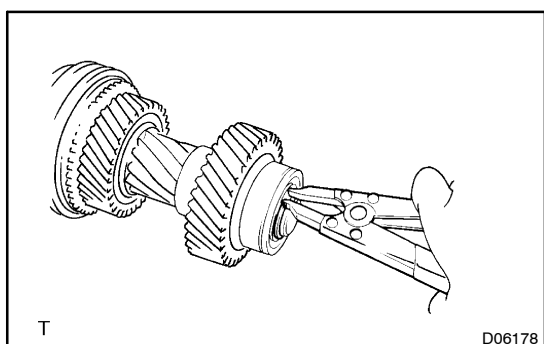
Using a dial indicator, measure the radial clearance of each gear.

Standard clearance:

3rd gear: 0.015 – 0.068 mm (0.00059 – 0.00268 in.)

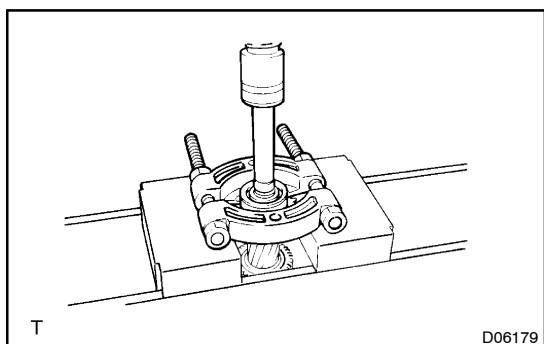
4th gear: 0.065 – 0.115 mm (0.00256 – 0.0453 in.)

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



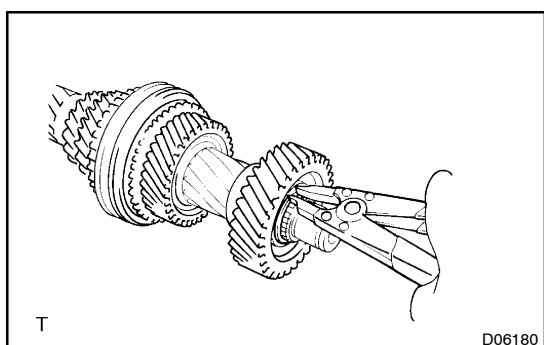
3. REMOVE COUNTER GEAR FRONT BEARING

- (a) Using a snap ring expander, remove the counter gear front bearing snap ring No. 2.



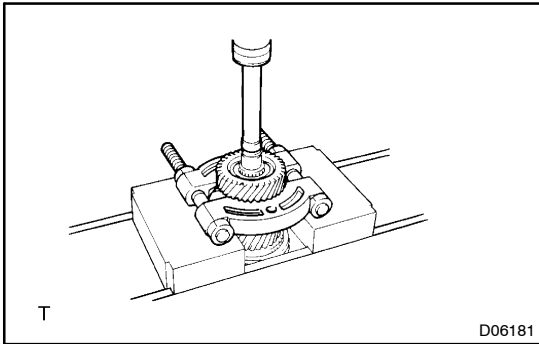
- (b) Using SST and press, remove the counter gear front bearing.

SST 09950-00020, 09950-60010 (09950-00230),
09950-70010 (09951-07100)

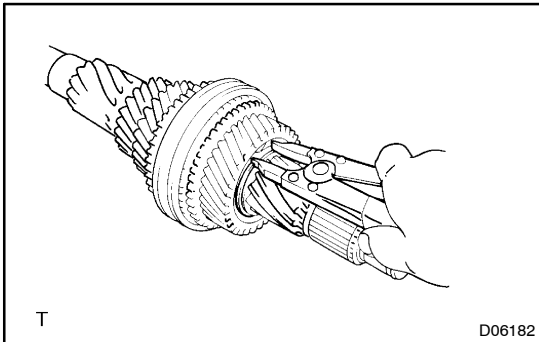


4. REMOVE COUNTER GEAR

- (a) Using a snap ring expander, remove the transmission clutch hub No. 3 shaft snap ring.

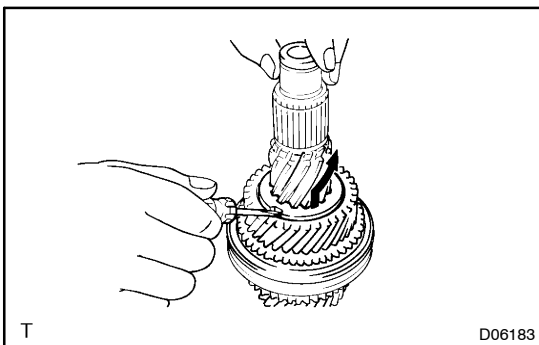


- (b) Using SST and press, remove the counter gear.
SST 09950-00020, 09950-60010 (09951-00230),
09950-70010 (09951-07010)

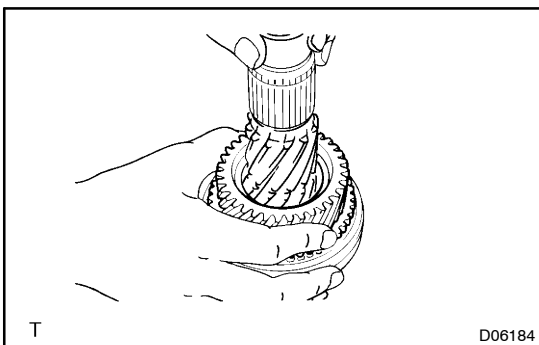


5. REMOVE 4TH SPEED GEAR

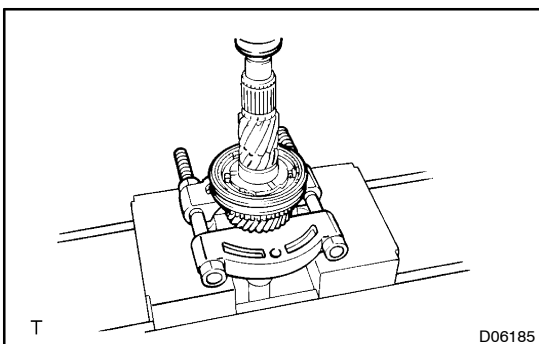
- (a) Using a snap ring expander, remove the snap ring.
(b) Remove the 4th retaining washer and 4th gear washer.



- (c) Using a screwdriver, remove the 4th gear bearing inner race.

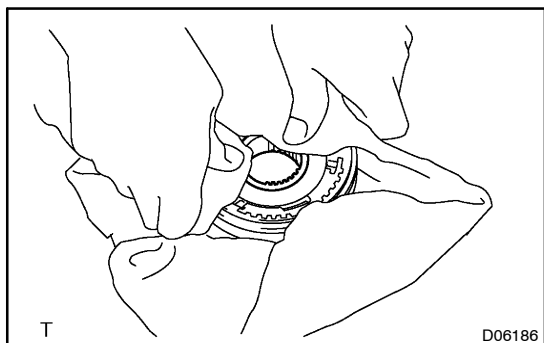


- (d) Remove the counter shaft 4th speed gear and synchronizer ring No. 1.



6. REMOVE 3RD GEAR

- Using SST and press, remove the transmission clutch hub No. 2, 3rd gear, synchronizer ring No. 1 and needle roller bearing.
SST 09950-00020

**7. REMOVE HUB SLEEVE NO.2**

- (a) Cover the hub sleeve No.2 with a cloth.
- (b) Remove the hub sleeve No. 2, 3 No. 1 shifting keys, 3 No. 1 shifting key springs and 3 shifting key balls.