

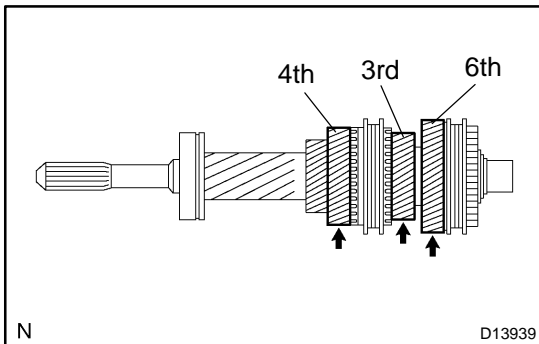
DISASSEMBLY

1. INSPECT EACH GEAR THRUST CLEARANCE

Using a feeler gauge, measure the clearance between the gear and the shaft.

Standard gear thrust clearance:

Gear	Thrust Clearance mm (in.)
3rd	0.09 to 0.52 (0.0035 to 0.0205)
4th	0.12 to 0.38 (0.0047 to 0.0150)
6th	0.20 to 0.49 (0.0079 to 0.0193)



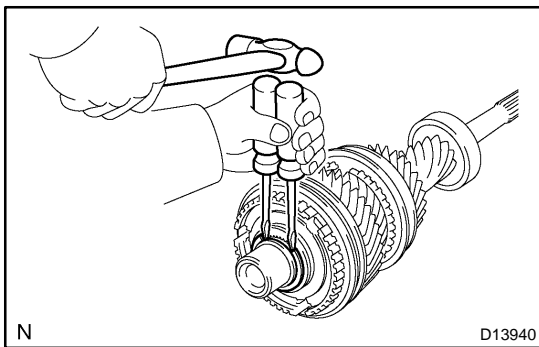
2. INSPECT EACH GEAR RADIAL CLEARANCE

Using a dial indicator, measure the clearance between the gear and the shaft with the needle roller bearing installed.

Standard gear radial clearance:

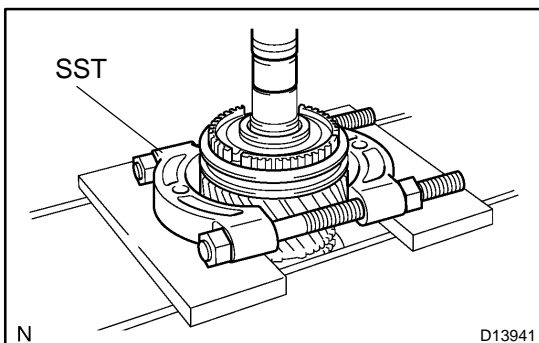
Gear	Radial Clearance mm (in.)
3rd and 4th	0.015 to 0.067 (0.00059 to 0.00264)
6th	0.015 to 0.065 (0.00059 to 0.00256)

If necessary, replace the gear, needle roller bearing or shaft.

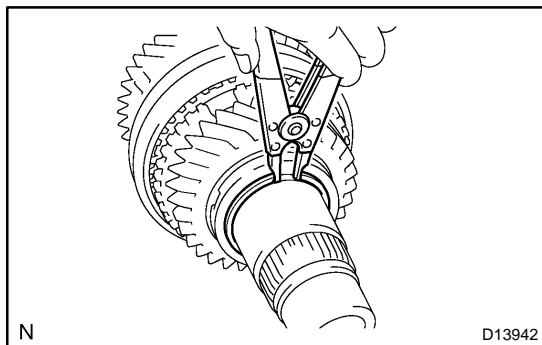


3. REMOVE 6TH GEAR

(a) Using 2 screwdrivers and a hammer, remove the snap ring.

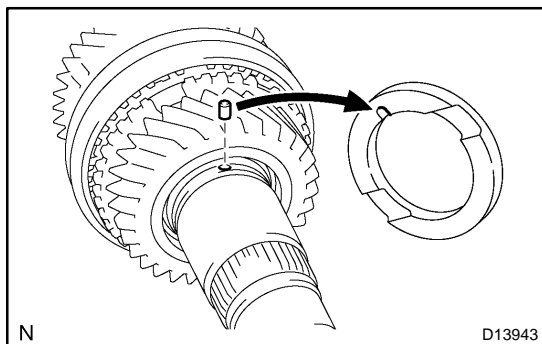


- (b) Using SST and a press, remove the clutch hub No.3, hub sleeve, synchronizer ring and 6th gear.
SST 09950-00020
- (c) Remove the needle roller bearing and ring.

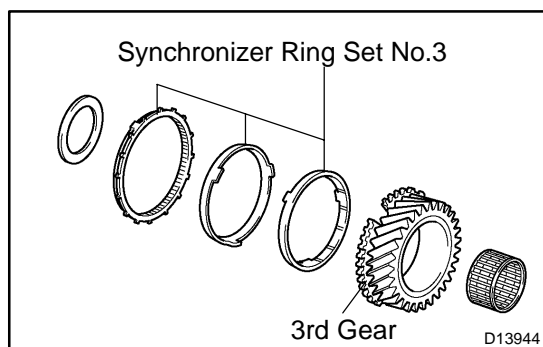


4. REMOVE 3RD GEAR

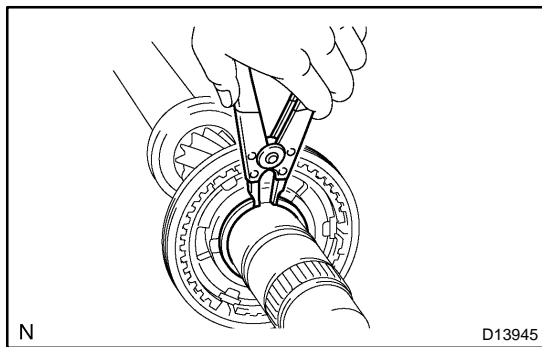
- (a) Using a snap ring expander, remove the snap ring.



- (b) Remove the 3rd gear thrust washer and pin.

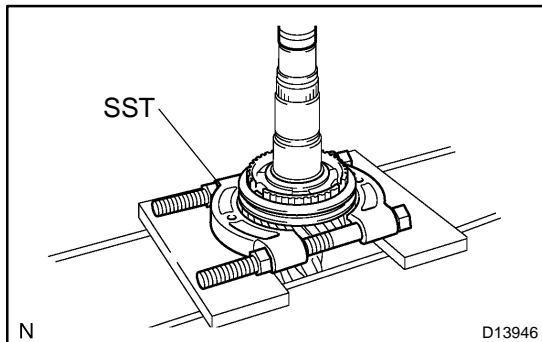


- (c) Remove the 3rd gear, synchronizer ring set No.3, needle roller bearing and spacer.

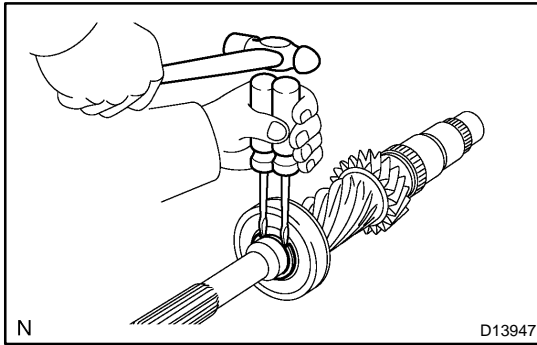


5. REMOVE 4TH GEAR

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

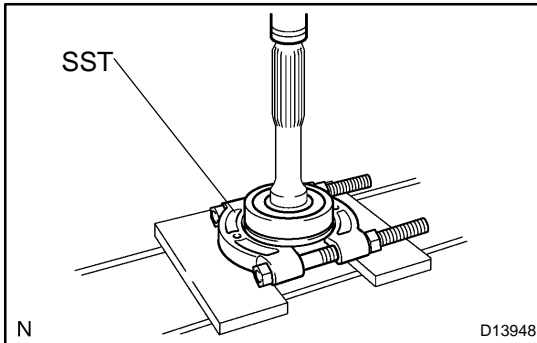


- (b) Using SST and a press, remove the clutch hub No.2, hub sleeve, synchronizer ring and 4th gear.
SST 09950-00020
- (c) Remove the needle roller bearing.

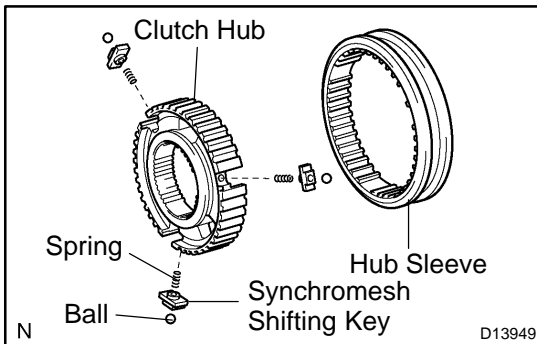


6. REMOVE INPUT SHAFT BEARING

- (a) Using 2 screwdrivers and a hammer, remove the snap ring.



- (b) Using SST and a press, remove the input shaft bearing.
SST 09950-00020



7. REMOVE CLUTCH HUB NO.2 AND NO.3

Remove the clutch hub, 3 synchromesh shifting keys, 3 balls and 3 springs from the hub sleeve.

HINT:

- Be careful not to scatter the balls or springs.
- Use the same procedures to remove the clutch hub No.2 and No.3.