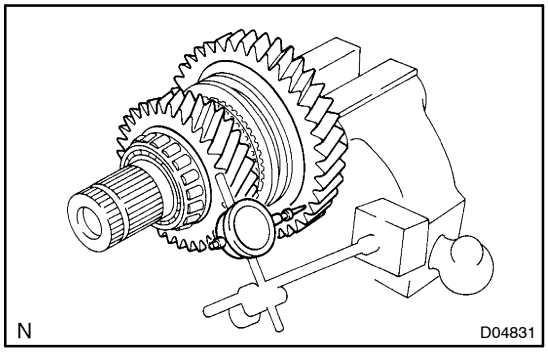
TR092–01

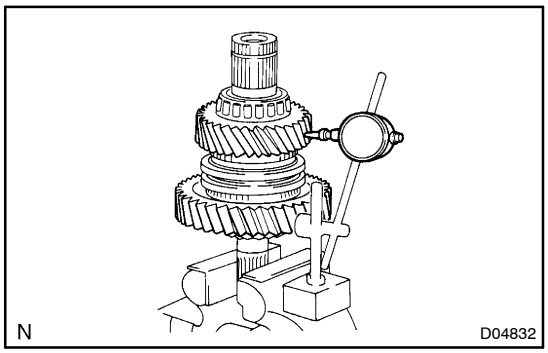
DISASSEMBLY



1. MEASURE EACH GEAR THRUST CLEARANCE

Using a dial indicator, measure the thrust clearance of the high speed gear and low speed gear.

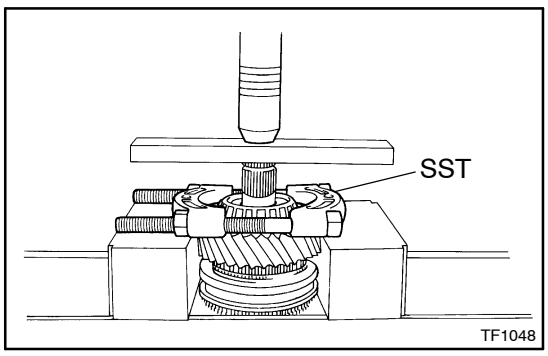
High speed gear
Standard clearance:
0.28 – 0.43 mm (0.0 110 – 0.0169 in.)
Maximum clearance: 0.43 mm (0.0 169 in.)
Low speed gear
Standard clearance:
0.20 – 0.45 mm (0.0079 – 0.0177 in.)
Maximum clearance: 0.45 mm (0.0 177 in.)



2. MEASURE EACH GEAR RADIAL CLEARANCE

Using a dial indicator, measure the radial clearance of the high speed gear and low speed gear.

Standard clearance:
0.015 – 0.068 mm (0.0005 – 0.0027 in.)
Maximum clearance: 0.068 mm (0.0027 in.)



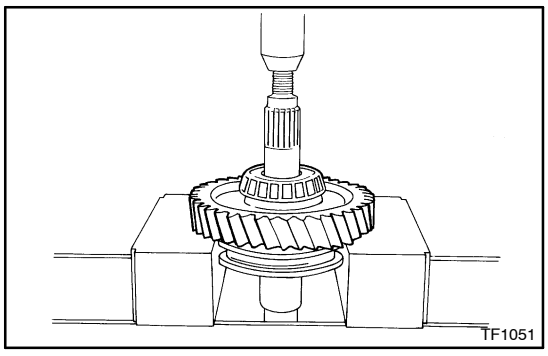
3. REMOVE FRONT TAPER ROLLER BEARING

Using SST and a press, remove the front taper roller bearing.
SST 09950 –00020

NOTICE:

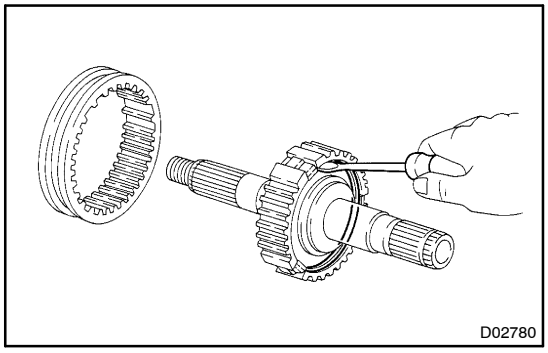
- **Support the output shaft assembly by hand so that it will not be dropped off.**
- **Set the claw of SST to the bearing inner race securely.**

4. REMOVE HIGH SPEED GEAR, SYNCHRONIZER RING (M/T), NEEDLE ROLLER BEARING AND SPACER



5. REMOVE REAR TAPER ROLLER BEARING AND LOW SPEED GEAR

(a) Using a press, remove the rear taper roller bearing and low speed gear.
(b) Remove the needle roller bearing.

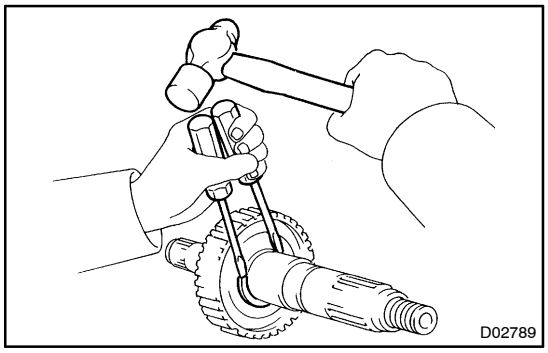


6. REMOVE HIGH AND LOW HUB SLEEVE

(a) Remove the high and low hub sleeve.

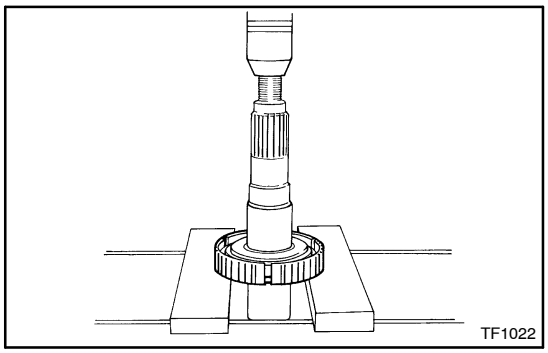
(b) M/T:
Using a screwdriver, remove the 2 shifting key springs.

(c) M/T:
Remove the 3 shifting keys from the clutch hub.



7. REMOVE CLUTCH HUB

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



(b) Using a press, remove the clutch hub.