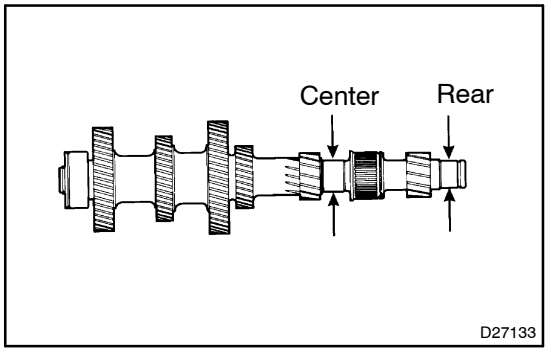
410CO–01

OVERHAUL



1. INSPECT COUNTER GEAR ASSY

(a) Using a micrometer, measure the out side diameter of needle roller bearing race.

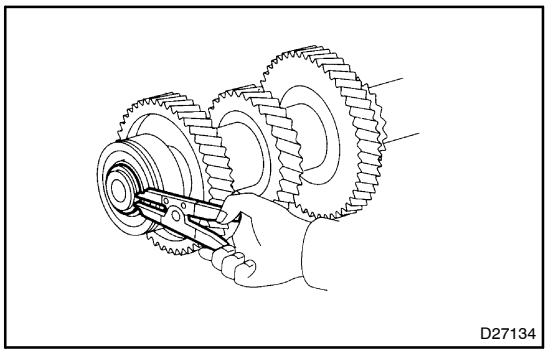
Standard outside diameter:

Position	mm (in.)
Center	35.957 – 35.970 (1.4156 – 1.4161)
Rear	32.002 – 32.015 (1.2599 – 1.2604)

Maximum outside diameter:

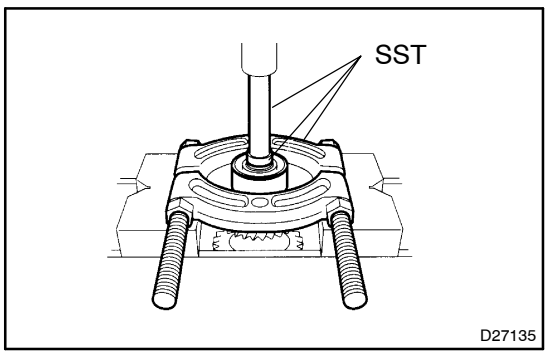
Position	mm (in.)
Center	35.970 (1.4161)
Rear	32.015 (1.2604)

If the clearance greater than the maximum, replace the gear bearing or shaft.



2. REMOVE COUNTER GEAR FRONT BEARING SNAP RING NO.1

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

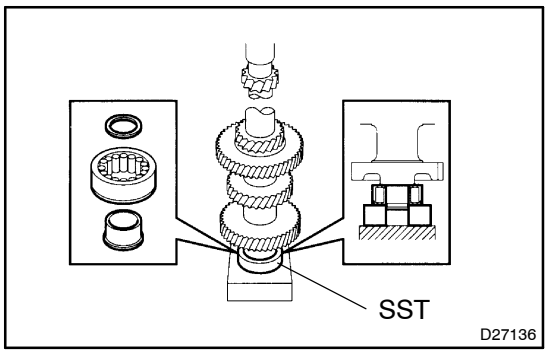


3. REMOVE COUNTER GEAR FRONT BEARING OR ROLLER

(a) Using SST and a press, press out the front bearing.
SST 09950–00020, 09950–60010 (09951–00290), 09950–70010 (09951–07100)

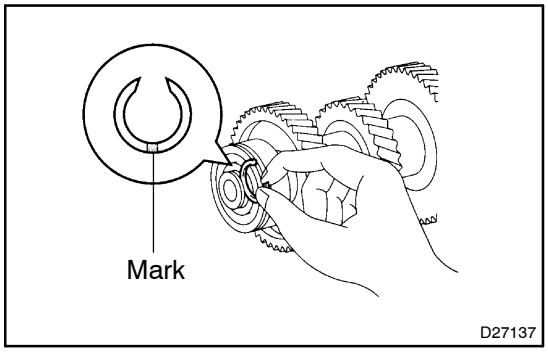
4. INSTALL COUNTER GEAR FRONT BEARING OR ROLLER

(a) Apply gear oil to the side race and bearing.



(b) Install the inner race and side race to the bearing as shown.

(c) Using SST and a press, press the bearing.
SST 09515–21010



5. INSTALL COUNTER GEAR FRONT BEARING SNAP RING NO.1

(a) Select a snap ring that allows the minimum axial play.

Mark	Thickness mm (in.)
A	2.45 – 2.50 (0.0970 – 0.0984)
B	2.50 – 2.55 (0.0984 – 0.1004)
C	2.55 – 2.60 (0.1004 – 0.1024)
D	2.60 – 2.65 (0.1024 – 0.1044)
E	2.65 – 2.70 (0.1044 – 0.1063)
F	2.70 – 2.75 (0.1063 – 0.1083)

(b) Using snap ring pliers (expander), install the snap ring.