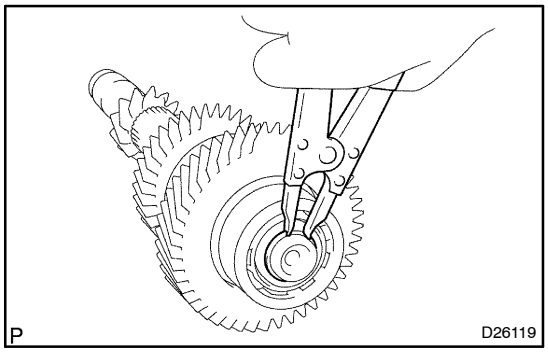
COUNTER GEAR ASSY (R150F)

4103T–02

OVERHAUL

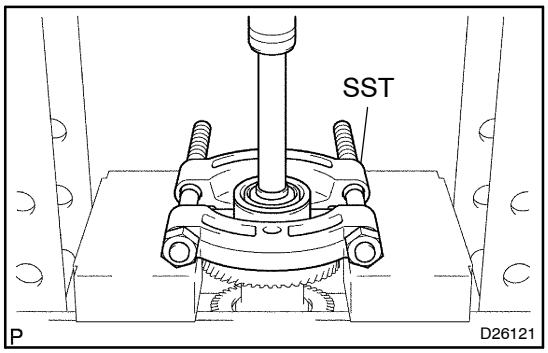
HINT:

COMPONENTS: See page 41–1



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

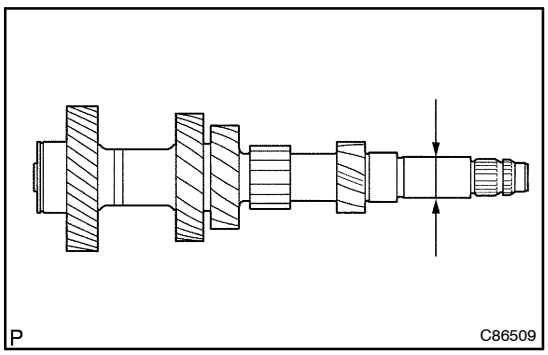
(a) Using a snap ring expander, remove the No.2 counter gear front bearing snap ring from the counter gear.



2. REMOVE COUNTER GEAR FRONT BEARING OR ROLLER

(a) Using SST and a press,remove the counter gear front bearing form the counter gear.

SST 09950–00020, 09950–60010 (09951–00220), 09950–70010 (09951–07100)



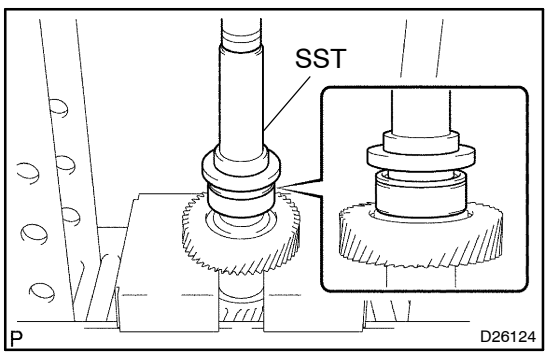
3. INSPECT COUNTER GEAR

(a) Using a micrometer, measure the outer diameter of the counter gear as shown in the diagram.

Standard clearance:
29.984 – 30.000 mm(1.1805 – 1.1811 in.)
Minimum clearance:
29.984 mm (1.1805 in.)

NOTICE:

If the outer diameter is less than the minimum, replace the counter gear with a new one.



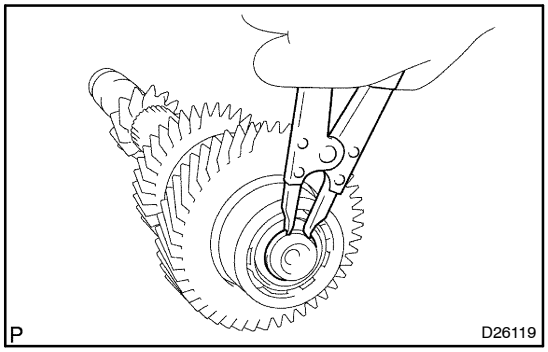
4. INSTALL COUNTER GEAR FRONT BEARING OR ROLLER

(a) Using SST and a press, install the counter gear front bearing to the counter gear.

SST 09515–10010

NOTICE:

Install it so that the snap ring groove of the bearing faces to the front side.



5. INSTALL COUNTER GEAR FRONT BEARING SNAP RING NO.2

(a) Select a No.2 counter gear front bearing snap ring that makes the thrust gap between the counter gear and No.2 counter gear front bearing snap ring to be within the specification. Using a brass bar and a hammer, install to the counter gear.

Standard clearance: 0.1 mm (0.0039 in.) or less

Mark	Thicness mm (in.)
A	2.05 – 2.10 (0.0807 – 0.0827)
B	2.10 – 2.15 (0.0827 – 0.0846)
C	2.15 – 2.20 (0.0846 – 0.0866)
D	2.20 – 2.25 (0.0866 – 0.0886)
E	2.25 – 2.30 (0.0886 – 0.0906)
F	2.30 – 2.35 (0.0906 – 0.0925)