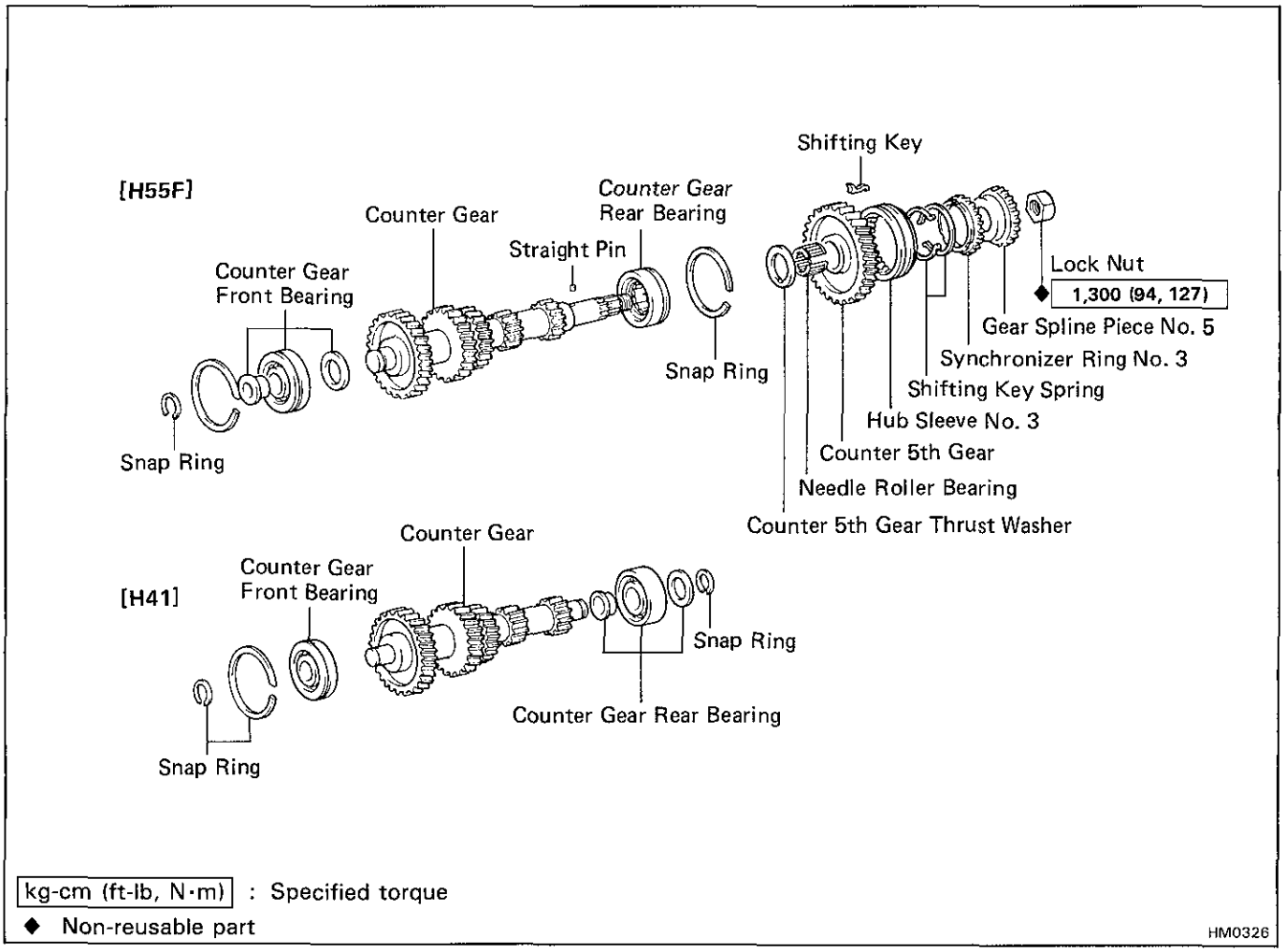
Counter Gear Assembly

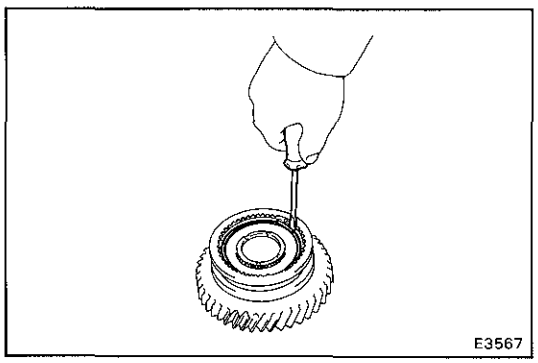
COMPONENTS



kg-cm (ft-lb, N·m) : Specified torque

◆ Non-reusable part

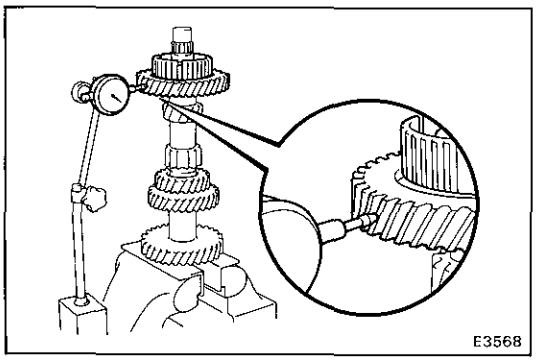
HM0326



DISASSEMBLY OF COUNTER GEAR ASSEMBLY

REMOVE HUB SLEEVE NO.3, SHIFTING KEYS AND SPRINGS

Using a screwdriver, remove two springs, hub sleeve No.3 and three shifting keys.



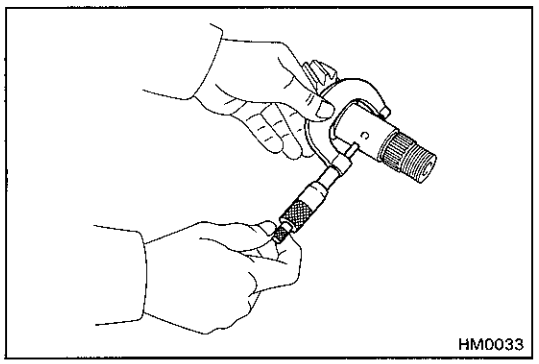
INSPECTION OF COUNTER GEAR ASSEMBLY

1. MEASURE COUNTER FIFTH GEAR OIL CLEARANCE

Using a dial indicator, measure counter fifth gear oil clearance.

Standard clearance: **0.015 — 0.068 mm (0.0006 — 0.0027 in.)**

Maximum clearance: **0.1 mm (0.0039 in.)**


HM0033

2. INSPECT COUNTER GEAR AND BEARING

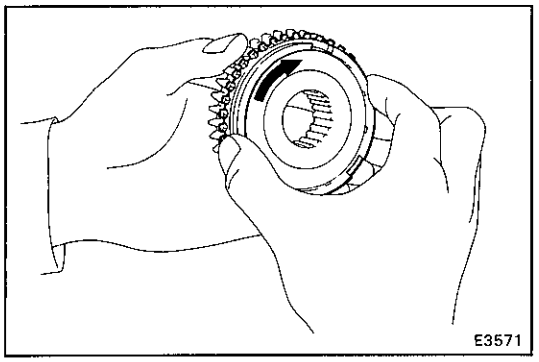
(a) Check the gear teeth for wear or damage.

(b) Check the bearings for wear or damage.

(c) (H55F)
Using a micrometer, measure the outer diameter of the counter gear journal.

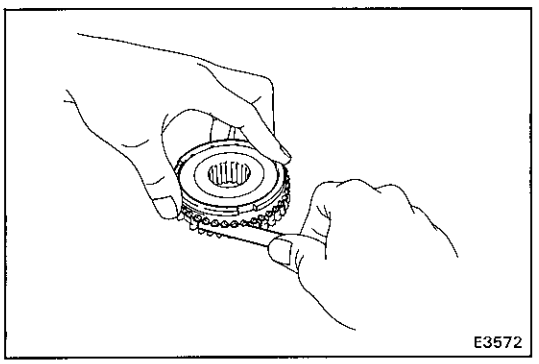
Minimum diameter:

Counter 5th gear journal	**31.984 mm (1.2592 in.)**
Rear bearing journal	**39.957 mm (1.5731 in.)**


E3571

3. INSPECT SYNCHRONIZER RING

(a) Turn the ring and push it into check the braking action.

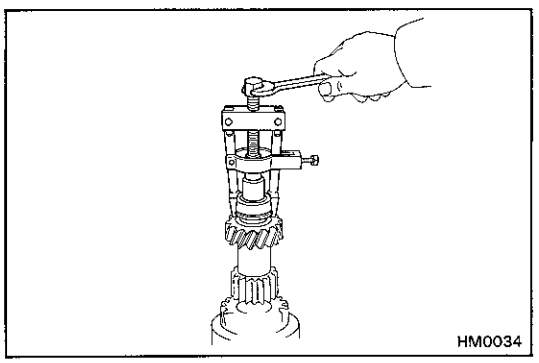

E3572

(b) Measure the clearance between the synchronizer ring back and the gear spline end.

Standard clearance: 0.9 – 1.5 mm (0.0354 – 0.0591 in.)

Minimum clearance: 0.8 mm (0.0315 in.)

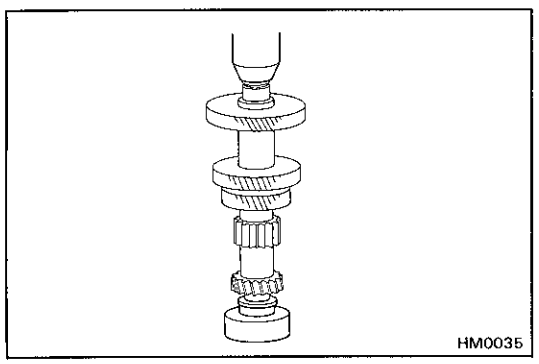
If the clearance less than the limit, replace the gear, needle roller bearing or shaft.


HM0034

4. (H41)
IF NECESSARY REPLACE COUNTER REAR BEARING INNER RACE

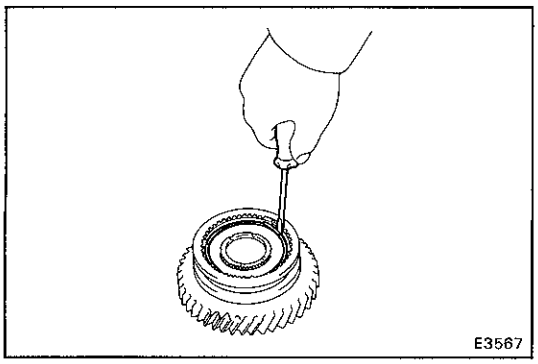
(a) Using SST, remove the bearing inner race.

SST 09602-10010


HM0035

(b) Using SST and a press, install the counter gear rear bearing.

SST 09515-21010



5. INSTALL HUB SLEEVE NO.3, SHIFTING KEYS AND SPRINGS

Using a screwdriver, install hub sleeve No.3, three shifting keys and two springs.