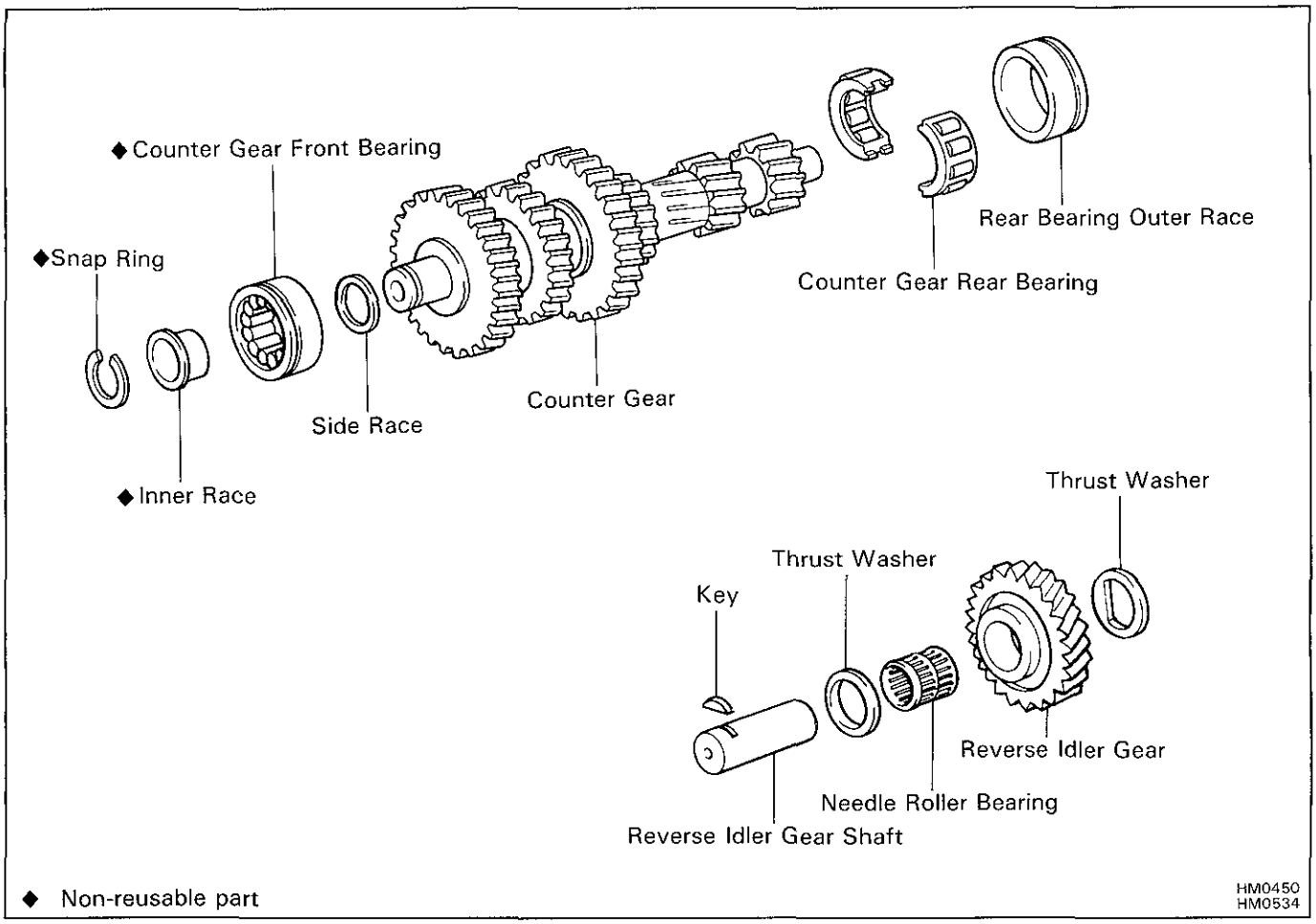
COUNTER GEAR AND REVERSE IDLER GEAR

COMPONENTS

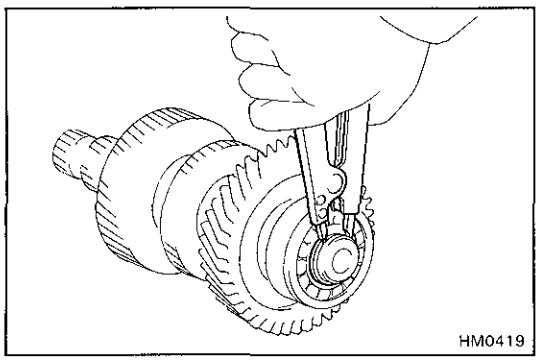


◆ Non-reusable part

DISASSEMBLY OF COUNTER GEAR ASSEMBLY

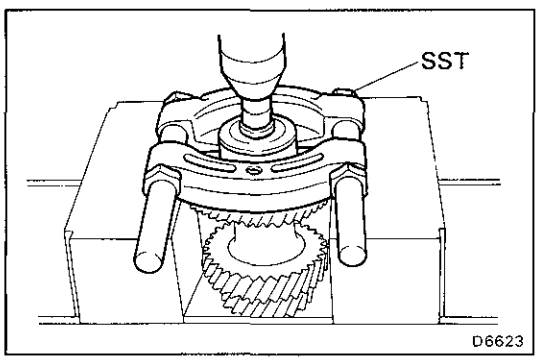
IF NECESSARY, REPLACE COUNTER GEAR FRONT BEARING AND SIDE RACE

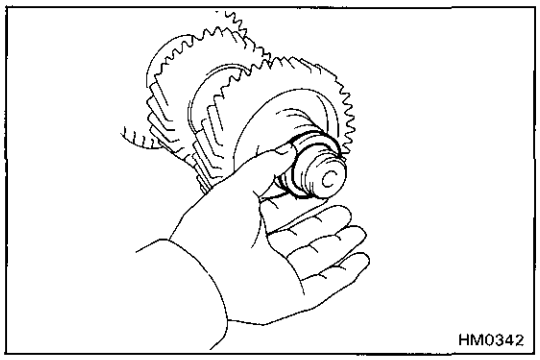
(a) Using a snap ring expander, remove the snap ring.



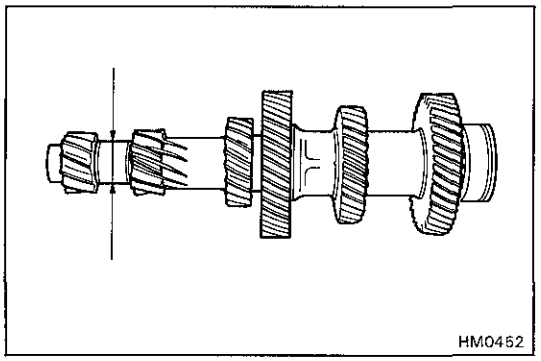
(b) Using SST and socket wrench, press out the bearing.

SST 09950-00020





(c) Remove the side race.



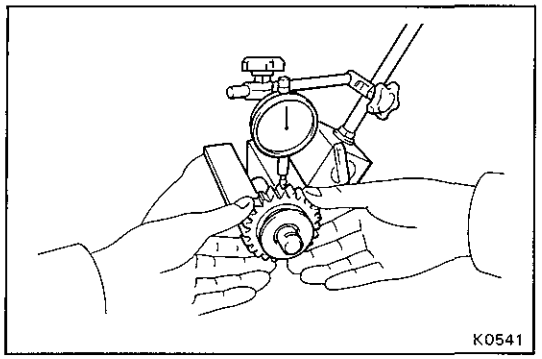
INSPECTION OF COUNTER GEAR AND REVERSE IDLER GEAR

1. INSPECT COUNTER GEAR

Using a micrometer, measure the outer diameter of needle roller bearing race.

Standard diameter: 35.957 – 35.970 mm (1.4156 – 1.4161 in.)

Minimum diameter: 35.957 mm (1.4156 in.)

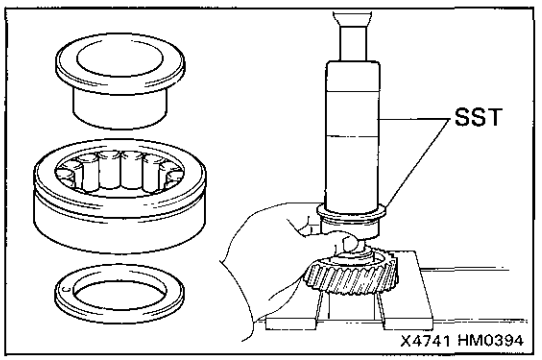


2. INSTECT REVERSE IDLER GEAR

Using a dial indicator, measure the oil clearance of reverse idler gear.

Standard clearance: 0.015 – 0.059 mm (0.0006 – 0.0023 in.)

Maximum clearance: 0.059 mm (0.0023 in.)



ASSEMBLY OF COUNTER GEAR ASSEMBLY

INSTALL SIDE RACE AND COUNTER GEAR FRONT BEARING

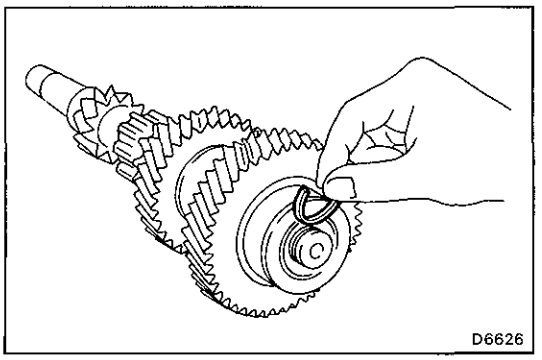
(a) Apply gear oil to the side race.

(b) Install the side race.

(c) Apply gear oil to the bearing.

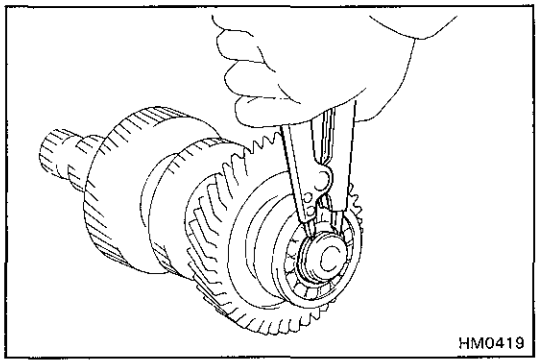
(d) Using SST and a press, install the bearing.

SST 09316-60010 (09316-00010, 09316-00020)



(e) Select a snap ring that will allow 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 – 0.1043)
E	2.65 – 2.70 (0.1043 – 0.1063)
F	2.70 – 2.75 (0.1063 – 0.1083)



(f) Using a snap ring expander, install a new snap ring.