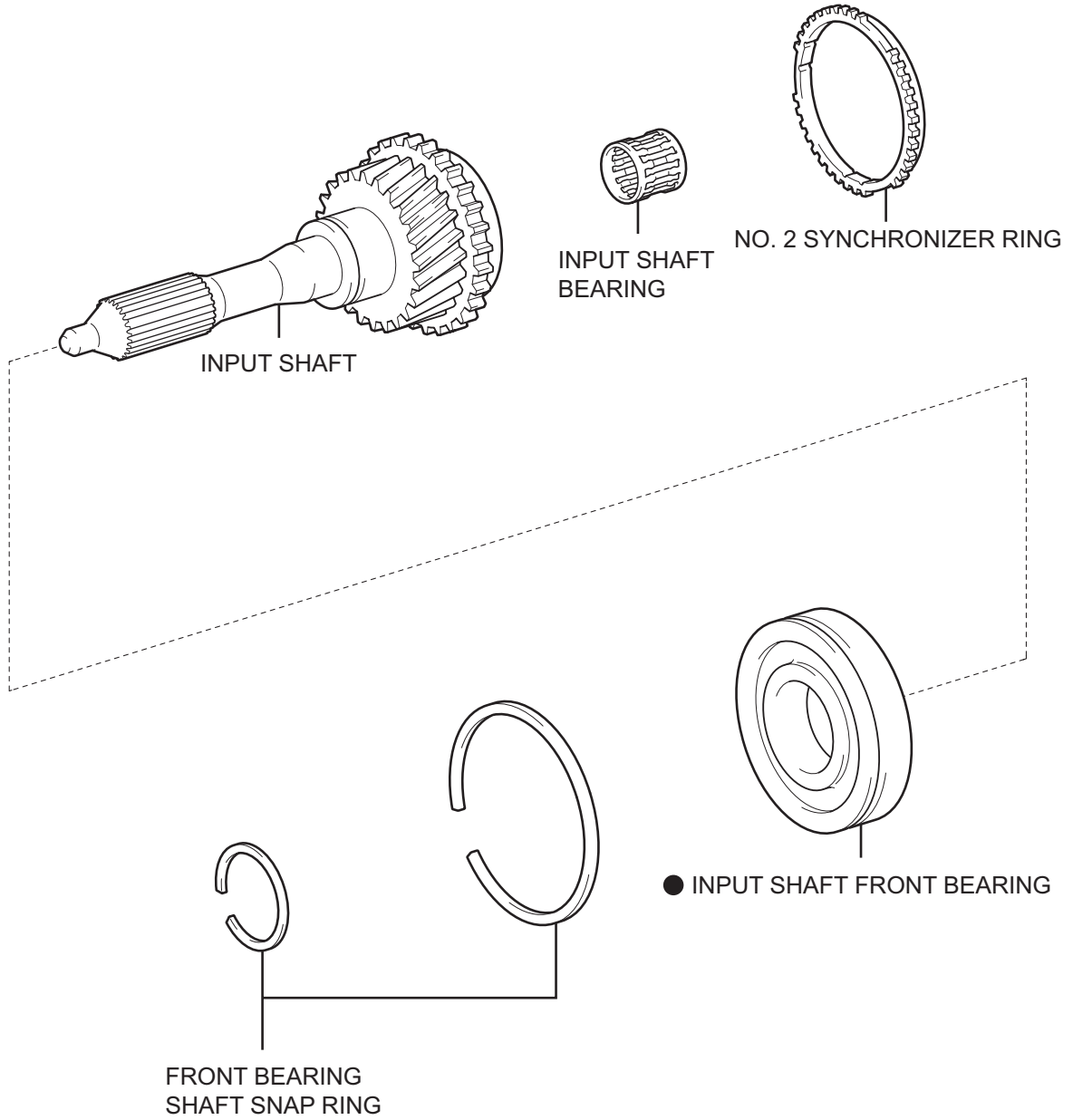


INPUT SHAFT COMPONENTS

MT

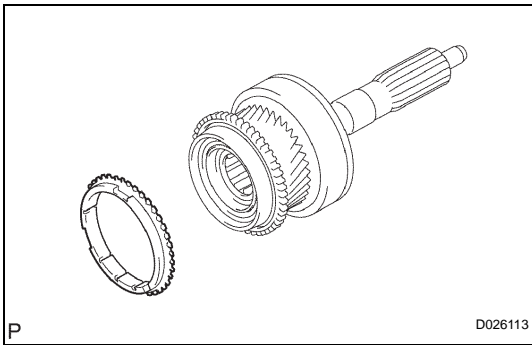


● Non-reusable part

DISASSEMBLY

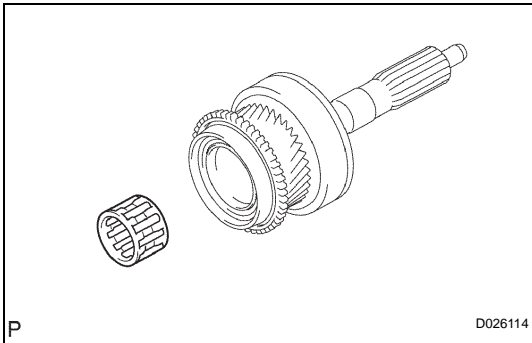
1. REMOVE NO. 2 SYNCHRONIZER RING

- (a) Remove synchronizer ring No. 2 from the input shaft.



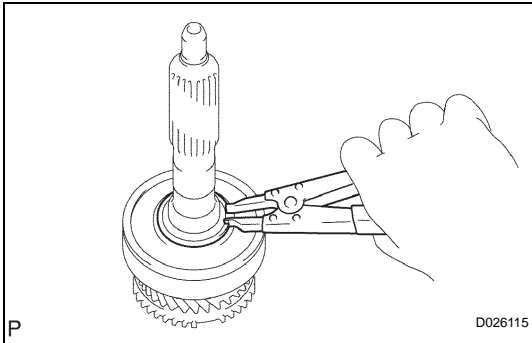
2. REMOVE INPUT SHAFT BEARING

- (a) Remove the input shaft bearing from the input shaft.



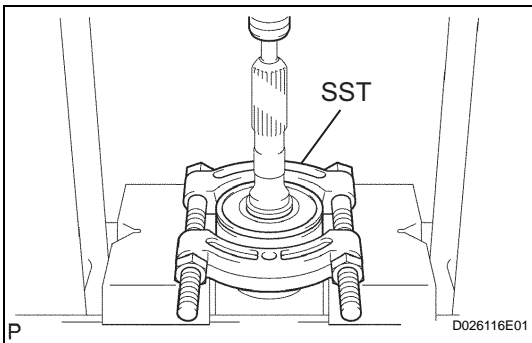
3. REMOVE FRONT BEARING SHAFT SNAP RING

- (a) Using a snap ring expander, remove the front bearing shaft snap ring from the input shaft.



4. REMOVE INPUT SHAFT FRONT BEARING

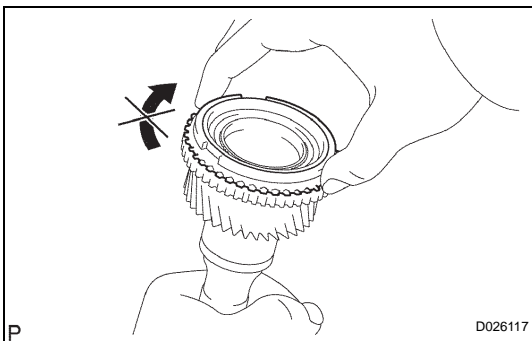
- (a) Using SST and a press, remove the input shaft front bearing FR from the input shaft.
SST 09950-00020

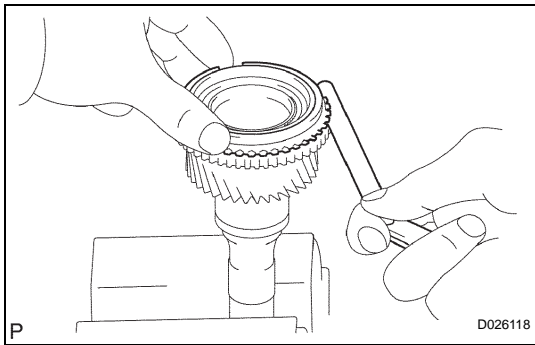


INSPECTION

1. INSPECT NO. 2 SYNCHRONIZER RING

- (a) Apply gear oil to the cone of the input shaft, and check that it does not turn in the both directions while pushing the synchronizer ring No. 2.



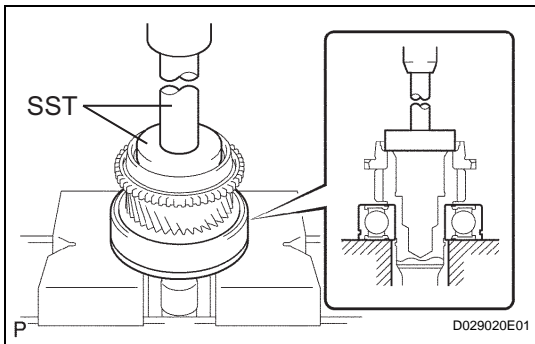


- (b) Check the clearance between the synchronizer ring No. 2 and input shaft while pushing the synchronizer ring No. 2 to the cone of the input shaft.

Standard clearance:

0.70 to 1.70 mm (0.0276 to 0.0669 in.)

If the clearance is not within the specified values, replace synchronizer ring No. 2 with a new one.



REASSEMBLY

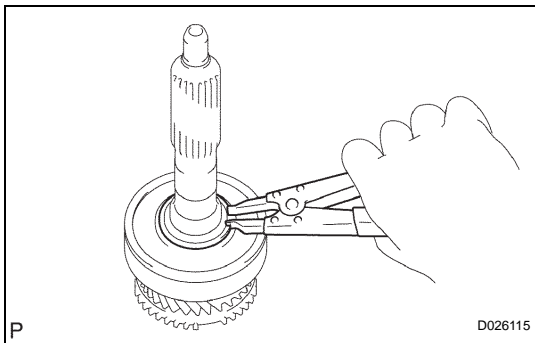
1. INSTALL INPUT SHAFT FRONT BEARING

- (a) Using SST and a press, install a new input shaft front bearing FR onto the input shaft.

SST 09950-60010 (09951-00570), 09950-70010 (09951-07100)

NOTICE:

Install the input shaft front bearing with the snap ring groove facing to the front.



2. INSTALL FRONT BEARING SHAFT SNAP RING

- (a) Select the correct input shaft front bearing snap ring so that the clearance between the input shaft and input shaft front bearing is within the specified values.

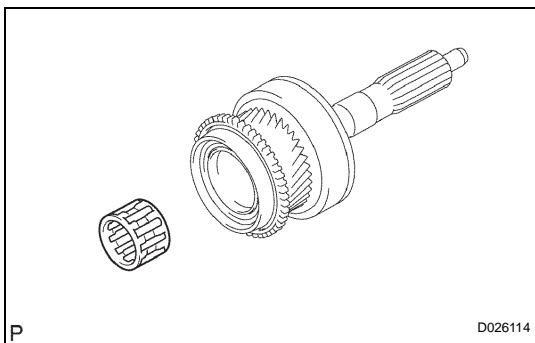
Standard clearance:

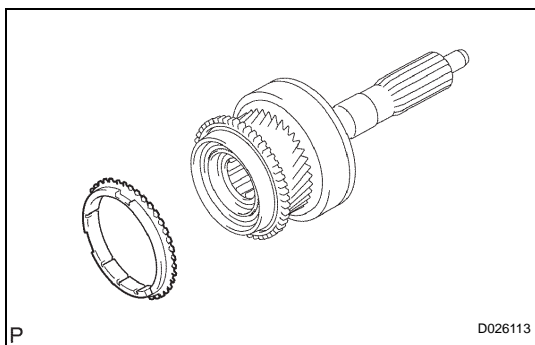
0.1 mm (0.0039 in.) or less

Mark	Thickness mm (in.)
A	2.10 to 2.15 (0.0827 to 0.0846)
B	2.15 to 2.20 (0.0846 to 0.0866)
C	2.20 to 2.25 (0.0866 to 0.0886)
D	2.25 to 2.30 (0.0886 to 0.0906)
E	2.30 to 2.35 (0.0906 to 0.0925)
F	2.35 to 2.40 (0.0925 to 0.0945)
G	2.40 to 2.45 (0.0945 to 0.0965)

3. INSTALL INPUT SHAFT BEARING

- (a) Apply gear oil to the input shaft bearing and install it onto the input shaft.



**4. INSTALL NO. 2 SYNCHRONIZER RING**

- (a) Apply gear oil to synchronizer ring No. 2, and install it onto the input shaft.