

REASSEMBLY

1. INSPECT INPUT SHAFT (See page [MX-69](#))
2. INSPECT 4TH GEAR (See page [MX-69](#))
3. INSPECT 3RD GEAR (See page [MX-70](#))
4. INSPECT 4TH GEAR SYNCHRONIZER RING (See page [MX-70](#))
5. INSPECT 3RD GEAR SYNCHRONIZER RING (See page [MX-70](#))
6. INSPECT TRANSMISSION HUB SLEEVE NO. 2 (See page [MX-71](#))

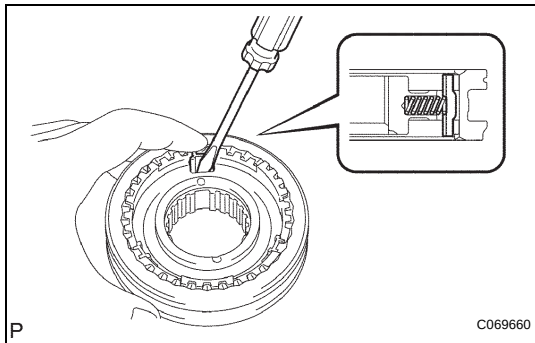
7. **INSTALL TRANSMISSION HUB SLEEVE NO. 2**

- (a) Coat the transmission hub sleeve No. 2 with gear oil, install it to the transmission clutch hub No. 2.

NOTICE:

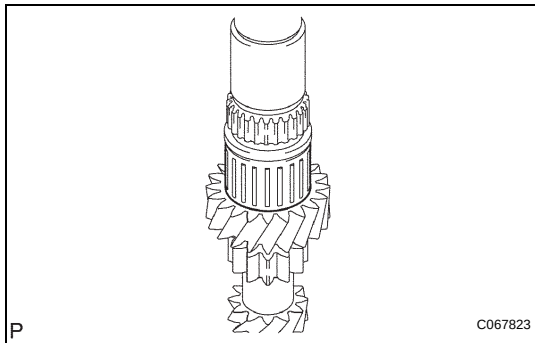
Do not set the transmission clutch hub sleeve No. 2 and the transmission clutch hub No. 2 in incorrect orientation.

- (b) Using a screwdriver, install the 3 synchromesh key springs with 3 synchromesh shifting keys to the transmission clutch hub No. 2.



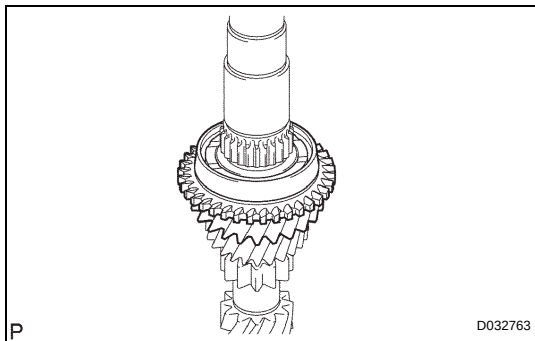
8. **INSTALL 3RD GEAR NEEDLE ROLLER BEARING**

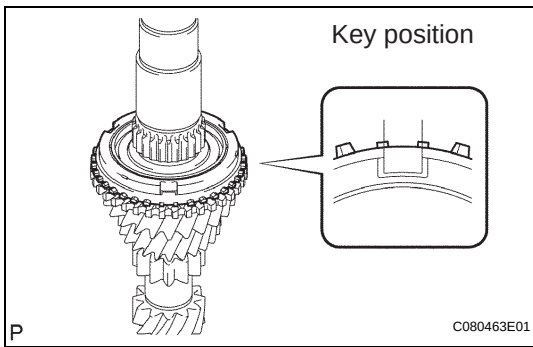
- (a) Coat the 3rd gear needle roller bearing with gear oil, install it to the input shaft.



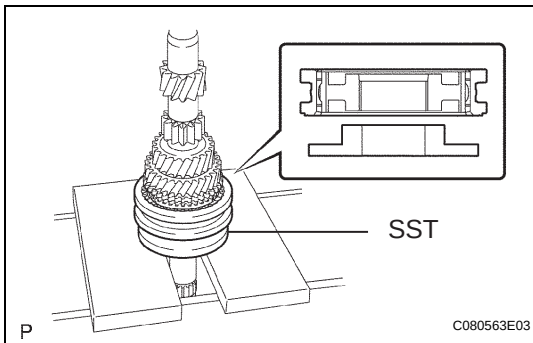
9. **INSTALL 3RD GEAR**

- (a) Coat the 3rd gear with gear oil, install it to the input shaft.



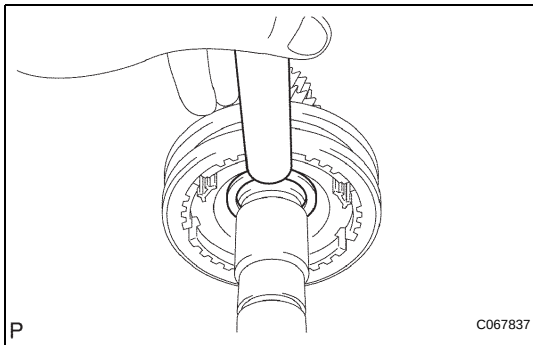
**10. INSTALL 3RD GEAR SYNCHRONIZER RING**

- (a) Coat the 3rd gear synchronizer ring with gear oil, install it to the 3rd gear.

**11. INSTALL TRANSMISSION CLUTCH HUB NO. 2**

- (a) Using SST and a press, install the transmission clutch hub No. 2 to the input shaft.

SST 09316-60011 (09316-00021)



- (b) Select a snap ring from the table below that will make the thrust clearance of the transmission clutch hub No. 2 below 0.1 mm (0.004 in.)

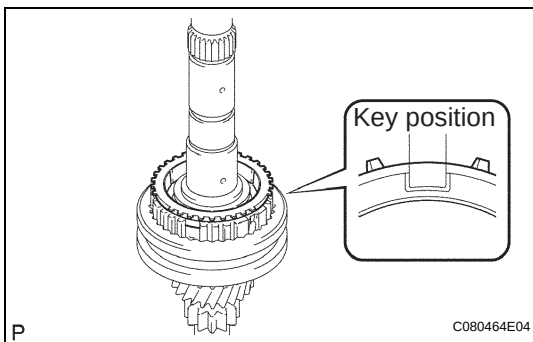
Snap ring thickness:

Mark	Thickness: mm (in.)	Mark	Thickness: mm (in.)
0	2.30 (0.0906)	3	2.48 (0.0976)
1	2.36 (0.0929)	4	2.54 (0.1000)
2	2.42 (0.0953)	5	2.60 (0.1024)

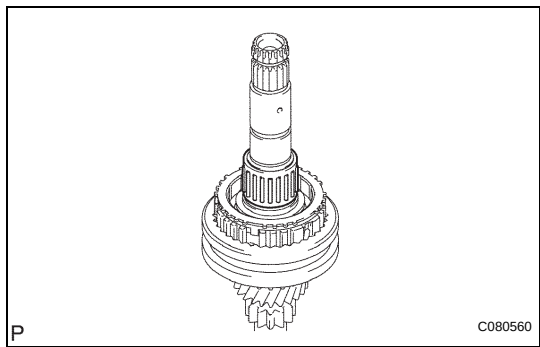
- (c) Using a brass bar and a hammer, tap in the snap ring.

NOTICE:

Take care not to damage the journal surface of the input shaft.

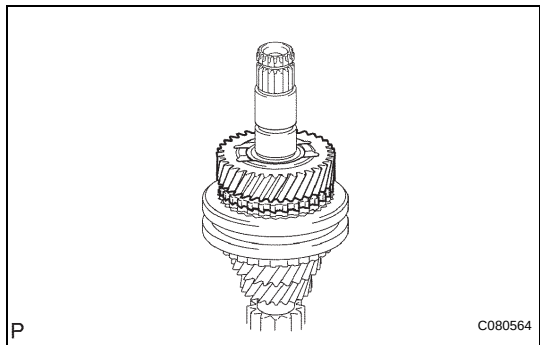
**12. INSTALL 4TH GEAR SYNCHRONIZER RING**

- (a) Coat the 4th gear synchronizer ring with gear oil, install it to the transmission clutch hub No. 2.



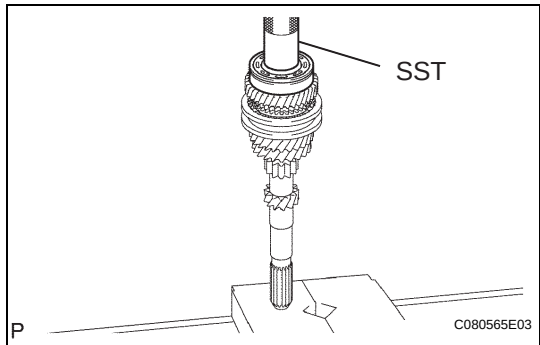
13. INSTALL 4TH GEAR NEEDLE ROLLER BEARING

- (a) Coat the 4th gear needle roller bearing and 4th gear bearing spacer with gear oil, install them to the input shaft.



14. INSTALL 4TH GEAR

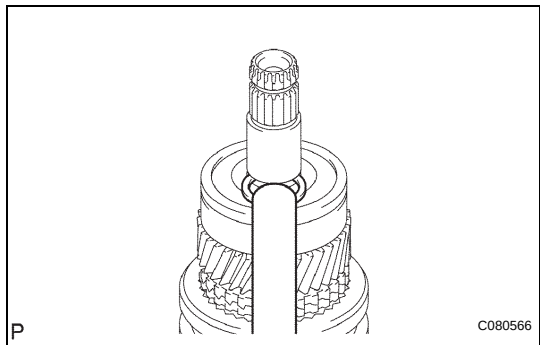
- (a) Coat the 4th gear with gear oil, install it to the input shaft.



15. INSTALL INPUT SHAFT REAR RADIAL BALL BEARING

- (a) Using SST and a press, install the input shaft rear radial ball bearing to the input shaft.

SST 09636-20010



- (b) Select a snap ring from the table below that will make the thrust clearance of the input shaft rear radial ball bearing below 0.1 mm (0.004 in.)

Snap ring thickness:

Mark	Thickness: mm (in.)	Mark	Thickness: mm (in.)
0	2.29 (0.0901)	3	2.47 (0.0972)
1	2.35 (0.0925)	4	2.53 (0.0996)
2	2.41 (0.0948)	5	2.59 (0.1019)

- (c) Using a brass bar and a hammer, tap in the snap ring.

NOTICE:

Take care not to damage the journal surface of the snap ring.

16. INSPECT 3RD GEAR RADIAL CLEARANCE (See page [MX-68](#))

17. INSPECT 4TH GEAR RADIAL CLEARANCE (See page [MX-68](#))

18. INSPECT 3RD GEAR THRUST CLEARANCE (See page [MX-68](#))

19. INSPECT 4TH GEAR THRUST CLEARANCE (See page [MX-68](#))