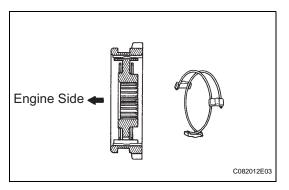
MX



REASSEMBLY

- 1. INSTALL REVERSE GEAR
 - (a) Coat the reverse gear with gear oil, and install it to the No. 1 transmission clutch hub.
 NOTICE:

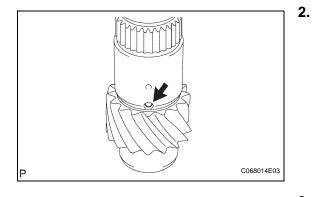
Be sure to set the reverse gear and transmission clutch hub No.1 in the correct orientation.

 (b) Install the 2 No. 1 synchromesh shifting key springs and 3 No. 1 synchromesh shifting keys to the No. 1 transmission clutch hub.
 NOTICE:

Do not set both openings of the shifting key springs in the same position.

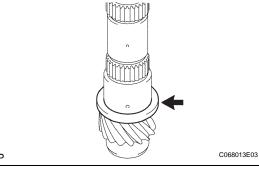
INSTALL 1ST GEAR THRUST WASHER BALL

(a) Coat the 1st gear thrust washer ball with MP grease, and install it to the output shaft.



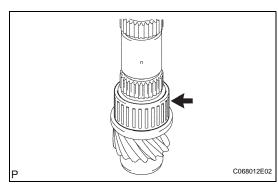
3. INSTALL 1ST GEAR THRUST WASHER

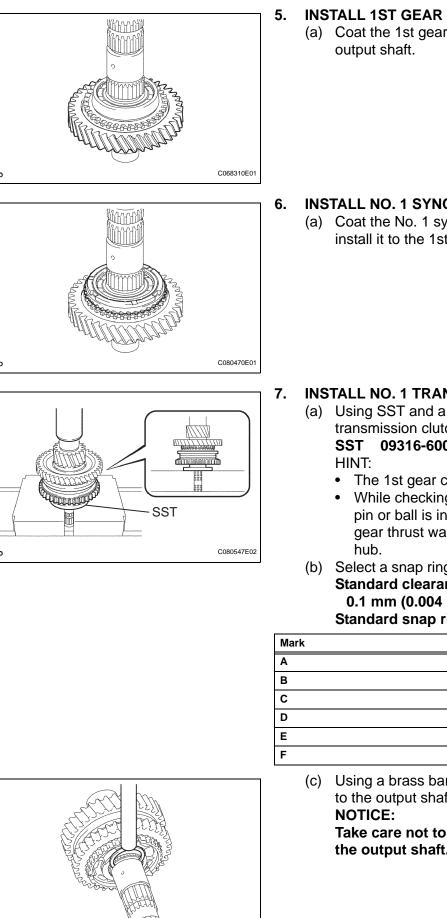
(a) Coat the 1st gear thrust washer with gear oil, and install it to the output shaft.





(a) Coat the 1st gear needle roller bearing with gear oil, and install it to the output shaft.





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(a) Coat the 1st gear with gear oil, and install it to the

- **INSTALL NO. 1 SYNCHRONIZER RING (for 1st Gear)**
 - (a) Coat the No. 1 synchronizer ring with gear oil, and install it to the 1st gear.

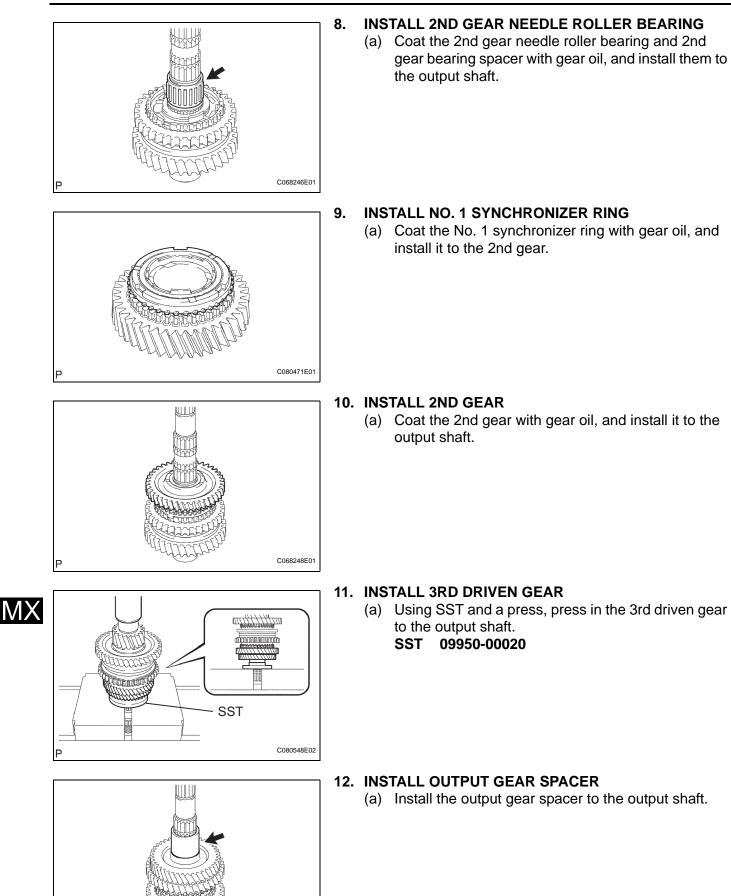
- **INSTALL NO. 1 TRANSMISSION CLUTCH HUB**
 - (a) Using SST and a press, press in the No. 1 transmission clutch hub to the output shaft. 09316-60011 (09316-00031)
 - The 1st gear can be turned.
 - While checking that the 1st gear thrust washer pin or ball is inserted into the groove of the 1st gear thrust washer, press and fit the No. 1 clutch
 - (b) Select a snap ring that will allow minimum axial play. Standard clearance:

0.1 mm (0.004 in.) or less Standard snap ring thickness

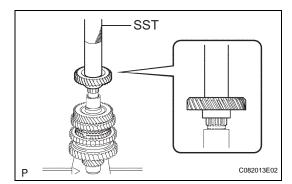
Mark	Thickness mm (in.)
А	2.50 (0.0984)
В	2.56 (0.1008)
С	2.62 (0.1031)
D	2.68 (0.1055)
E	2.74 (0.1079)
F	2.80 (0.1102)

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

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

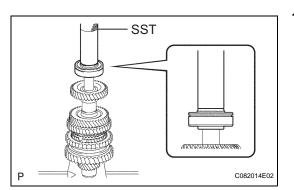


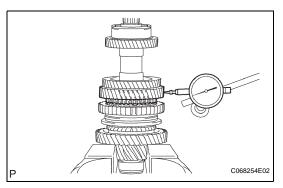
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13. INSTALL 4TH DRIVEN GEAR

- (a) Using SST and a press, press in the 4th driven gear to the output shaft.
 - SST 09612-22011





14. INSTALL INPUT SHAFT REAR RADIAL BALL BEARING

 (a) Using SST and a press, press in the output shaft rear bearing to the output shaft.
 SST 09612-22011

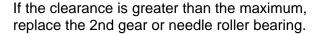
15. INSPECT 2ND GEAR RADIAL CLEARANCE

(a) Using a dial indicator, measure the radial clearance. **Standard clearance**

Item	Specified Condition
KOYO made	0.015 to 0.058 mm (0.0006 to 0.0023 in.)
NSK made	0.015 to 0.056 mm (0.0006 to 0.0022 in.)

Maximum clearance

Item	Specified Condition
KOYO made	0.058 mm (0.0023 in.)
NSK made	0.056 mm (0.0022 in.)



16. INSPECT 1ST GEAR RADIAL CLEARANCE

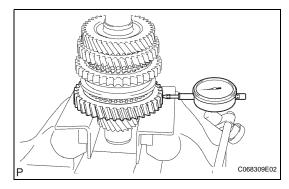
(a) Using a dial indicator, measure the radial clearance. **Standard clearance**

Item	Specified Condition
KOYO made	0.015 to 0.058 mm (0.0006 to 0.0023 in.)
NSK made	0.015 to 0.056 mm (0.0006 to 0.0022 in.)

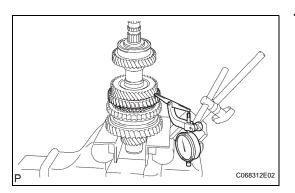
Maximum clearance

ltem	Specified Condition
KOYO made	0.058 mm (0.0023 in.)
NSK made	0.056 mm (0.0022 in.)

If the clearance is greater than the maximum, replace the 1st gear or needle roller bearing.



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17. INSPECT 2ND GEAR THRUST CLEARANCE

(a) Using a dial indicator, measure the thrust clearance.
 Standard clearance:
 2.40 to 0.45 mm (0.0020 to 0.0177 in)

0.10 to 0.45 mm (0.0039 to 0.0177 in.) Maximum clearance:

0.45 mm (0.0177 in.) If the clearance is greater than the maximum, replace the 2nd gear or 2nd gear bearing spacer.

18. INSPECT 1ST GEAR THRUST CLEARANCE

(a) Using a feeler gauge, measure the 1st gear thrust clearance.

Standard clearance:

0.10 to 0.40 mm (0.0039 to 0.0157 in.) Maximum clearance: 0.40 mm (0.0157 in.)

If the clearance is greater than the maximum, replace the 1st gear, 1st gear thrust washer or No. 1 transmission clutch hub.