410L1–01

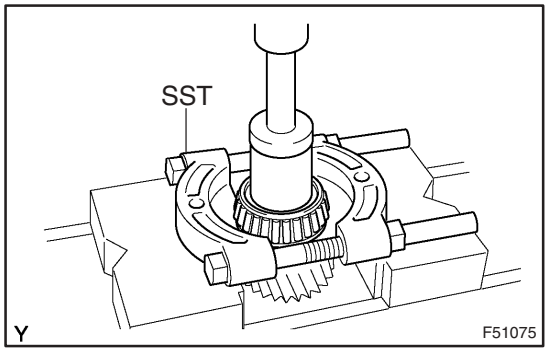
OVERHAUL

1. REMOVE SYNCHRONIZER RING NO.3

(a) Remove synchronizer ring No.3 from the output shaft.

2. REMOVE OUTPUT SHAFT CENTER BEARING

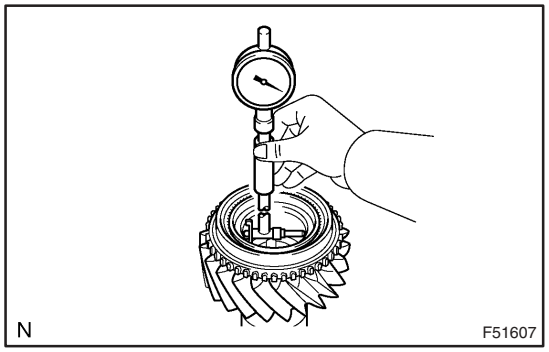
(a) Remove the output shaft center bearing from the output shaft.



3. REMOVE OUTPUT SHAFT REAR BEARING

(a) Using SST and a press, remove the output shaft rear bearing from the output shaft.

SST 09950–00020, 09950–70010 (09951–07100), 09950–60010 (09951–00510)

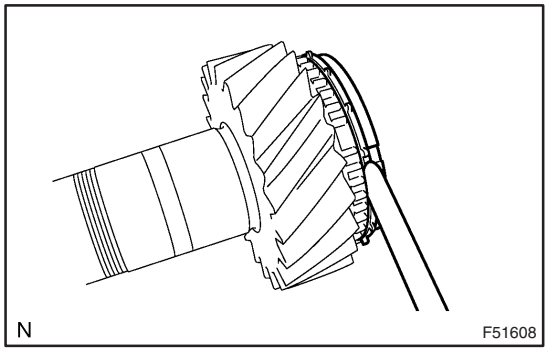


4. INSPECT OUTPUT SHAFT

(a) Using a cylinder gauge, measure the inside diameter of the output shaft.

Standard inside diameter:
45.009 to 45.025 mm (1.7720 to 1.7726 in.)
Maximum inside diameter:
45.025 mm (1.7726 in.)

If the diameter exceeds the maximum, replace the output shaft.

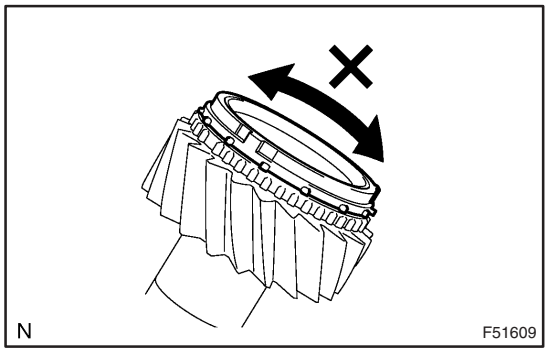


5. INSPECT SYNCHRONIZER RING NO.3

(a) Using a feeler gauge, measure the clearance between the synchronizer ring and gear spline.

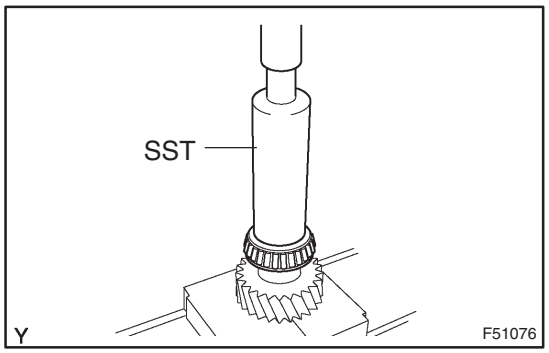
Standard clearance:
0.70 to 1.50 mm (0.0276 to 0.0591 in.)
Minimum clearance:
0.70 mm (0.0276 in.)

If the clearance is less than the minimum, replace the synchronizer ring.



(b) Apply gear oil to the output shaft cone. Press the synchronizer ring against the output shaft cone and check that the synchronizer ring does not turn in the directions shown in the illustration.

If it turns, replace the synchronizer ring.



6. INSTALL OUTPUT SHAFT REAR BEARING

(a) Using SST and a press, install a new output shaft rear bearing to the output shaft.
SST 09316–60011 (09316–00011)

(b) Apply a thin layer of grease to the bearing.

7. INSTALL OUTPUT SHAFT CENTER BEARING

(a) Apply gear oil to the output shaft center bearing, and install it to the output shaft.

8. INSTALL SYNCHRONIZER RING NO.3

(a) Apply gear oil to synchronizer ring No.3, and install it to the output shaft.