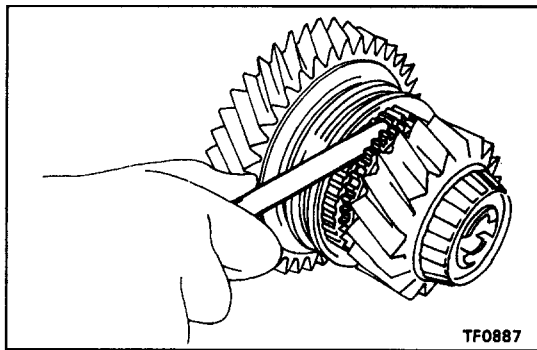
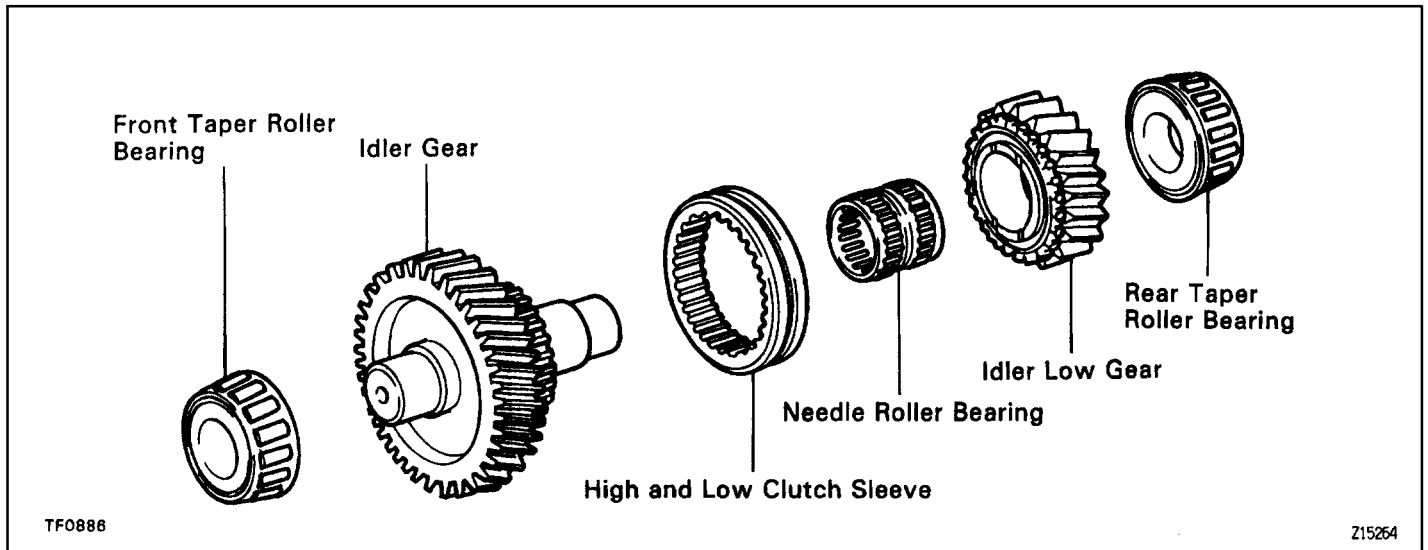


IDLER GEAR ASSEMBLY COMPONENTS



IDLER GEAR DISASSEMBLY

1. INSPECT IDLER LOW GEAR RADIAL AND THRUST CLEARANCE

- (a) Using a feeler gauge, measure the idler low gear thrust clearance.

Standard clearance:

0.09–0.25 mm (0.0035–0.0098 in.)

Maximum clearance:

0.25 mm (0.0098 in.)

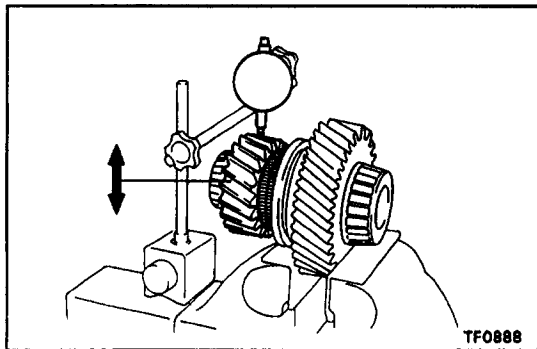
- (b) Using a dial indicator, measure the idler low gear radial clearance.

Standard clearance:

0.019–0.068 mm (0.0008–0.0027 in.)

Maximum clearance:

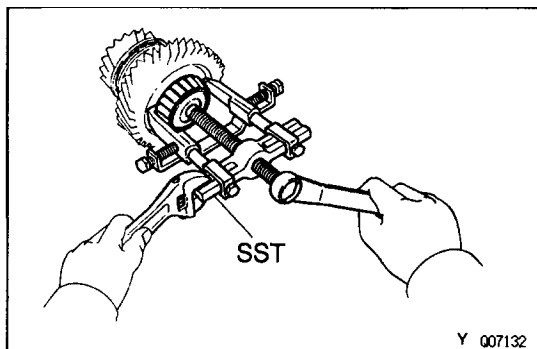
0.068 mm (0.0027 in.)

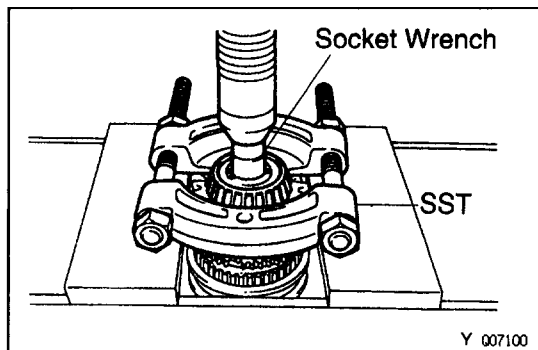


2. REMOVE FRONT TAPER ROLLER BEARING

Using SST, remove the front taper roller bearing.

SST 09950–40010





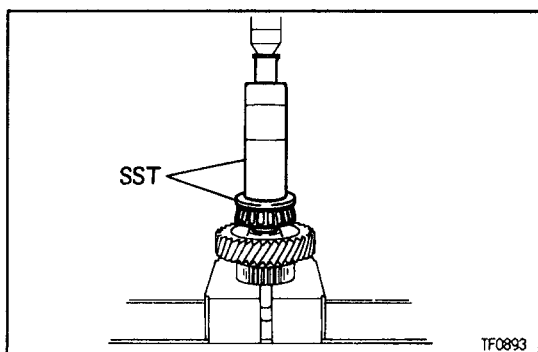
3. REMOVE REAR TAPER ROLLER BEARING

Using SST, a press and socket wrench, remove the rear taper roller bearing.

SST 09950-00020

4. REMOVE IDLER LOW GEAR AND NEEDLE ROLLER BEARING FROM IDLER GEAR

5. REMOVE HIGH AND LOW CLUTCH SLEEVE FROM IDLER GEAR



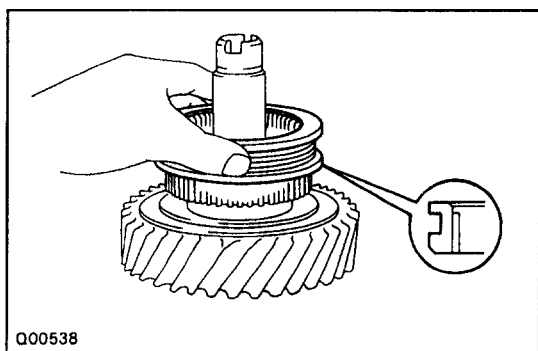
IDLER GEAR ASSEMBLY

HINT: Coat all of the sliding and rotating surfaces with gear oil before assembly.

1. INSTALL FRONT TAPER ROLLER BEARING

Using SST and a press, install the front taper roller bearing.

SST 09316-60010 (09316-00010, 09316-00030)

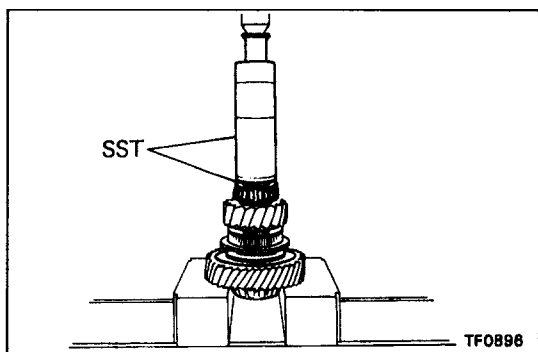


2. INSTALL HIGH AND LOW CLUTCH SLEEVE

HINT: Make sure to install the high and low clutch sleeve in the correct direction.

3. INSTALL NEEDLE ROLLER BEARING AND IDLER LOW GEAR TO IDLER GEAR

- (a) Apply gear oil to the needle roller bearing.
- (b) Install the needle roller bearing and idler low gear.



4. INSTALL REAR TAPER ROLLER BEARING

Using SST and a press, install the rear taper roller bearing.

SST 09316-60010 (09316-00010, 09316-00070)

5. INSPECT IDLER LOW GEAR RADIAL AND THRUST CLEARANCE

(See page [TR-15](#))