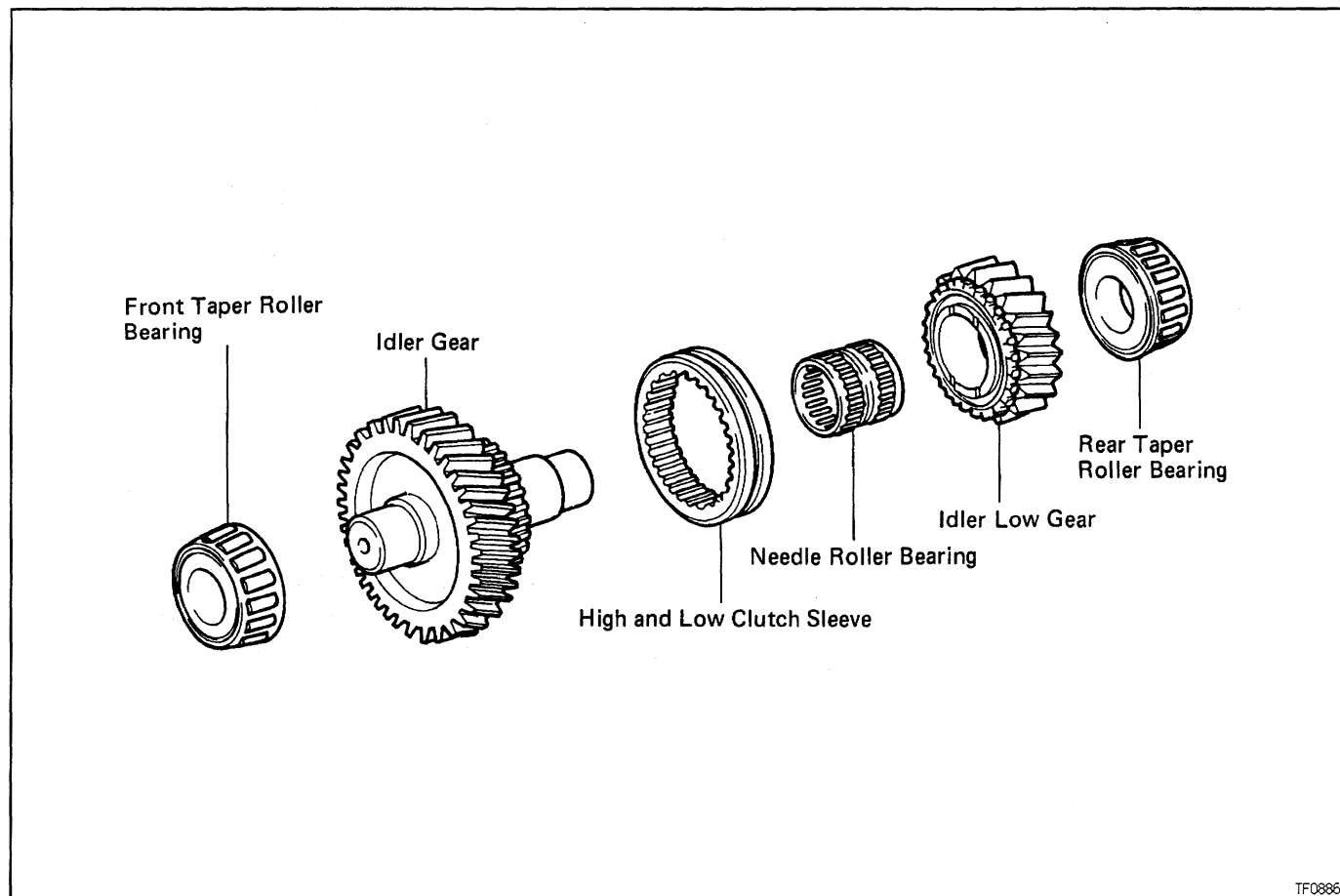
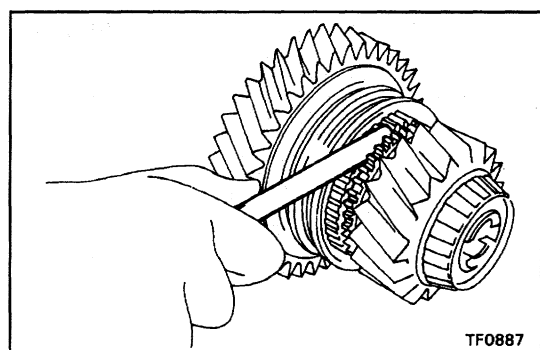


IDLER GEAR ASSEMBLY COMPONENTS

TR01P-01



TF0886



TF0887

IDLER GEAR DISASSEMBLY

TR01Q-02

1. CHECK RADIAL CLEARANCE AND THRUST CLEARANCE OF IDLER LOW GEAR

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

Standard clearance:

0.125–0.275 mm (0.0049–0.0108 in.)

Maximum clearance:

0.275 mm (0.0108 in.)

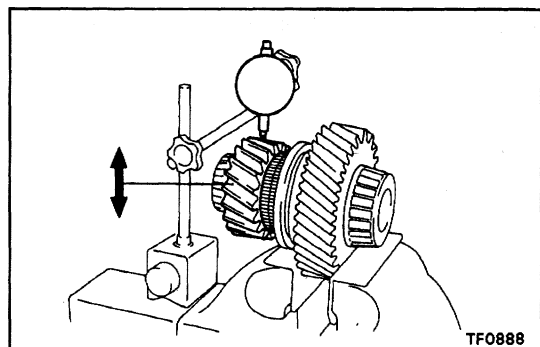
- (b) Using a dial indicator, measure the idler low gear radial clearance.

Standard clearance:

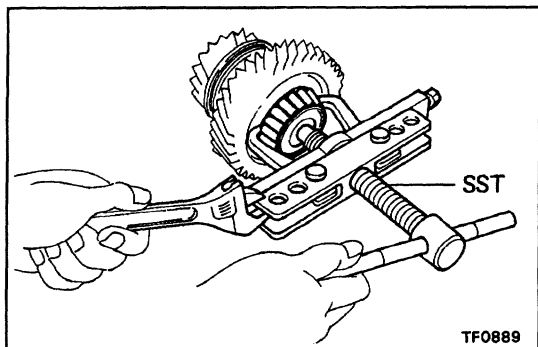
0.015–0.068 mm (0.0006–0.0027 in.)

Maximum clearance:

0.068 mm (0.0027 in.)

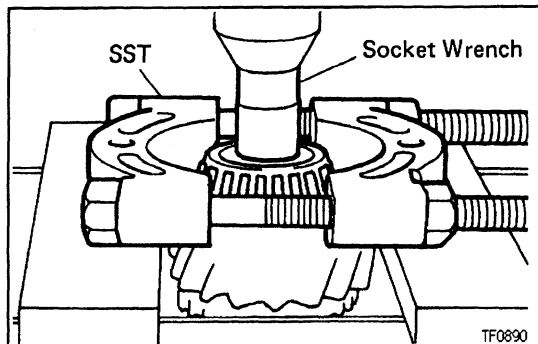


TF0888



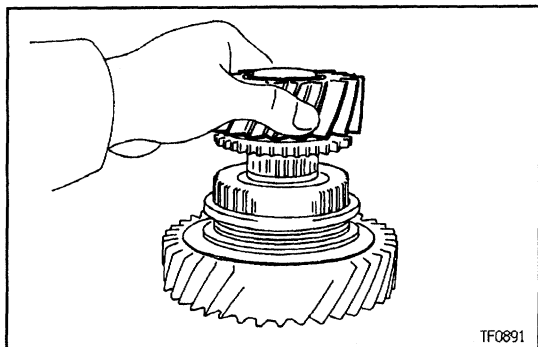
2. REMOVE FRONT TAPER ROLLER BEARING

Using SST, remove the front taper roller bearing.
SST 09950-20017

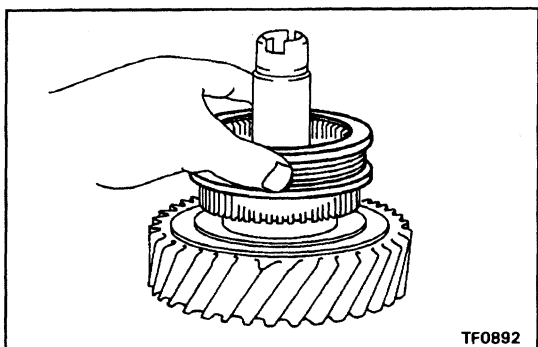


3. REMOVE REAR TAPER ROLLER BEARING

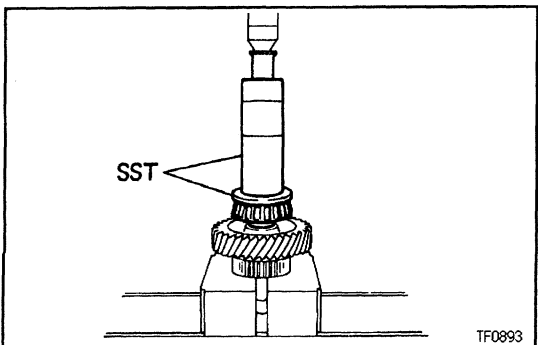
Using SST, press and socket wrench, remove the rear taper roller bearing.
SST 09950-00020



4. REMOVE IDLER LOW GEAR AND NEEDLE ROLLER BEARING



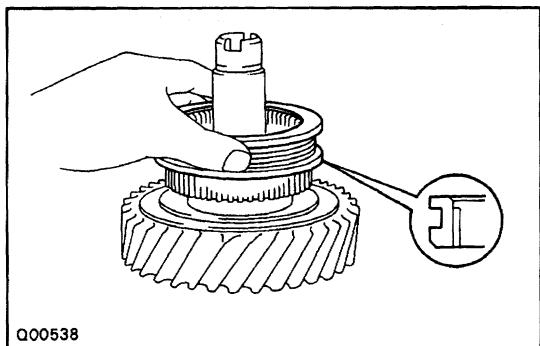
5. REMOVE HIGH AND LOW CLUTCH SLEEVE



IDLER GEAR ASSEMBLY

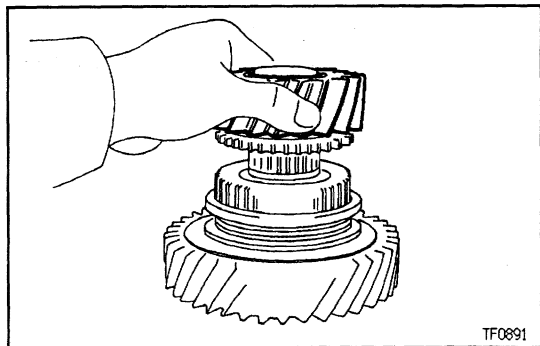
1. INSTALL FRONT TAPER ROLLER BEARING

Using SST and a press, install the front taper roller bearing.
SST 09316-60010 (09316-00010, 09316-00030)



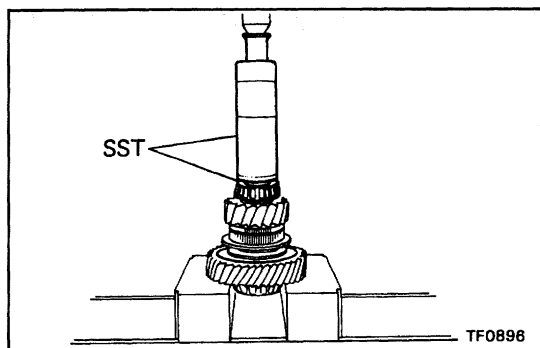
2. INSTALL HIGH AND LOW CLUTCH SLEEVE

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



3. INSTALL NEEDLE ROLLER BEARING AND IDLER LOW GEAR

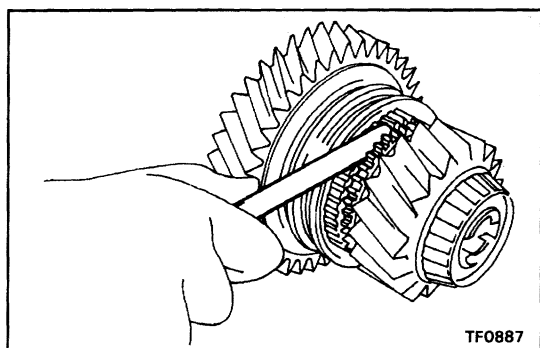
- (a) Apply gear oil to the needle roller bearing.
- (b) Install the needle roller bearing and idler low gear.



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. MEASURE IDLER LOW GEAR THRUST AND RADIAL CLEARANCE

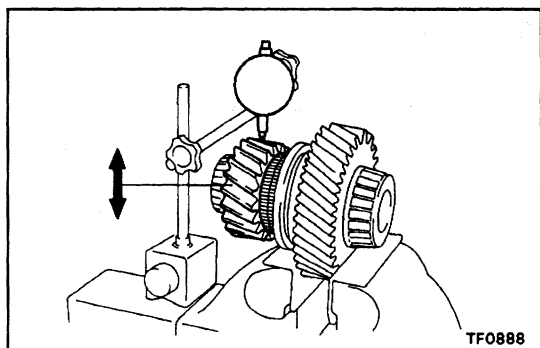
- (a) Using a feeler gauge, measure the idler low gear thrust clearance.

Standard clearance:

0.125–0.275 mm (0.0049–0.0108 in.)

Maximum clearance:

0.275 mm (0.0108 in.)



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

Standard clearance:

0.015–0.068 mm (0.0006–0.0027 in.)

Maximum clearance:

0.068 mm (0.0027 in.)