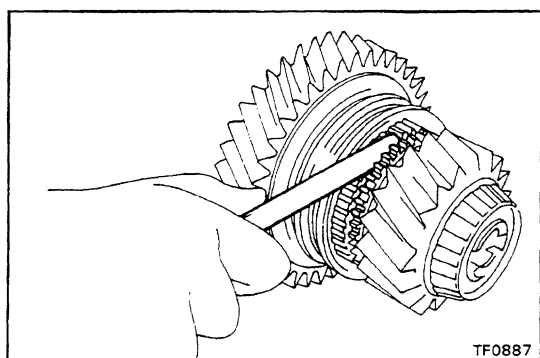
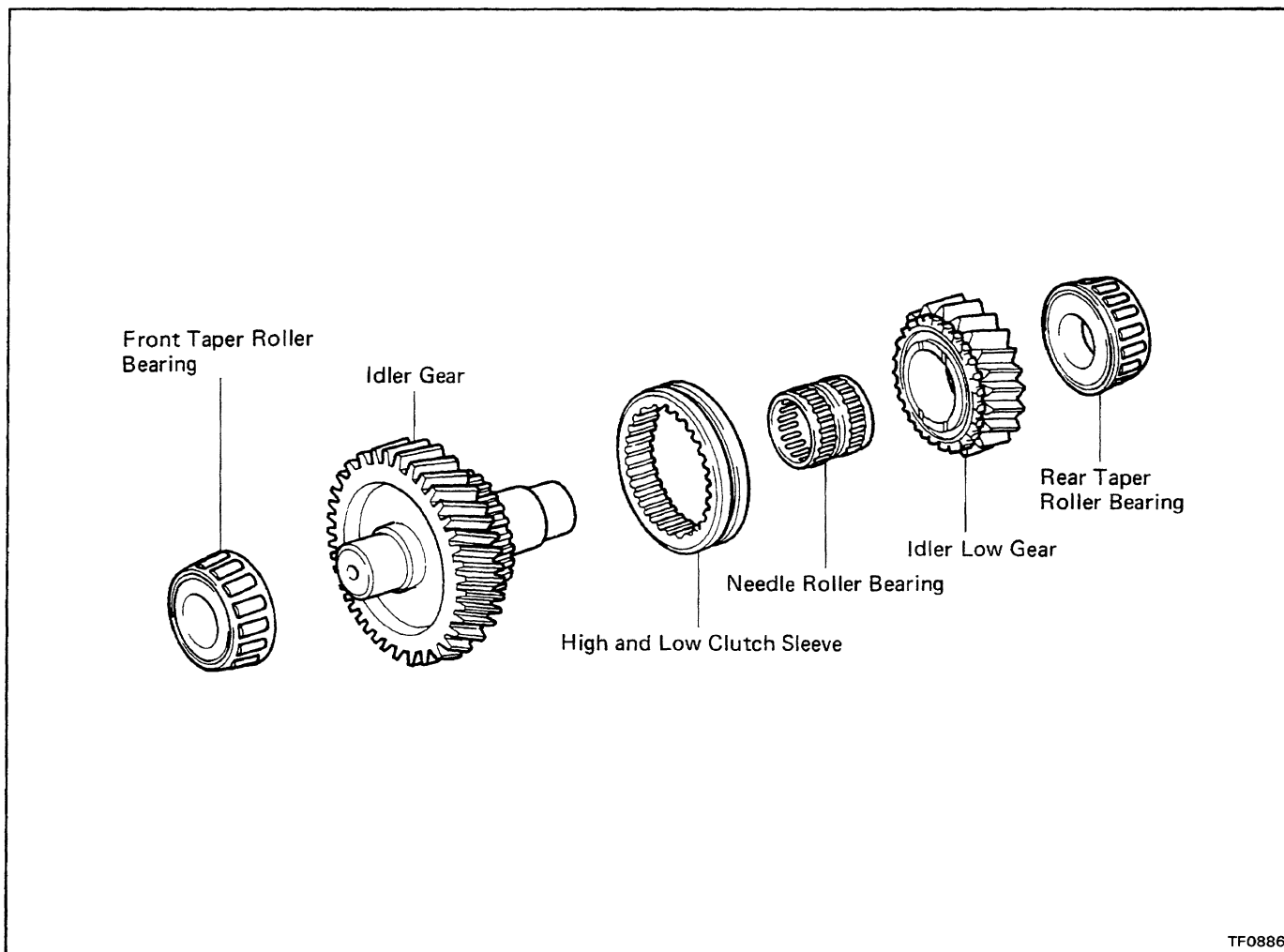


Idler Gear Assembly

COMPONENTS



DISASSEMBLY OF IDLER GEAR ASSEMBLY

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

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

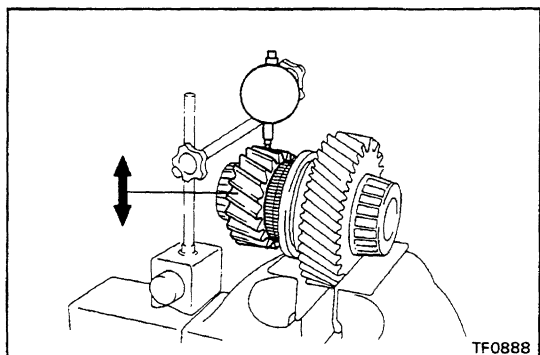
Standard clearance: 0.125 – 0.275 mm
(0.0049 – 0.0108 in.)

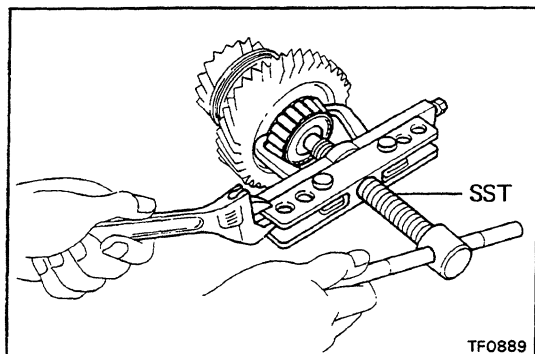
Maximum clearance: 0.275 mm (0.0108 in.)

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

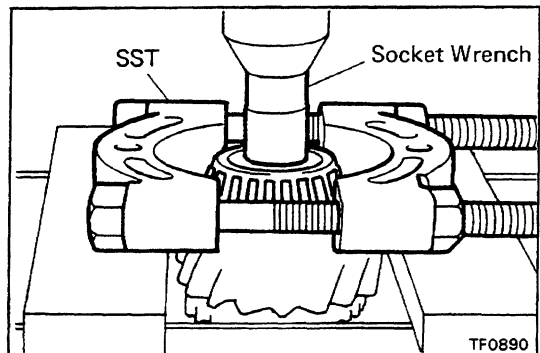
Standard clearance: 0.015 – 0.068 mm
(0.0006 – 0.0027 in.)

Maximum clearance: 0.068 mm (0.0027 in.)

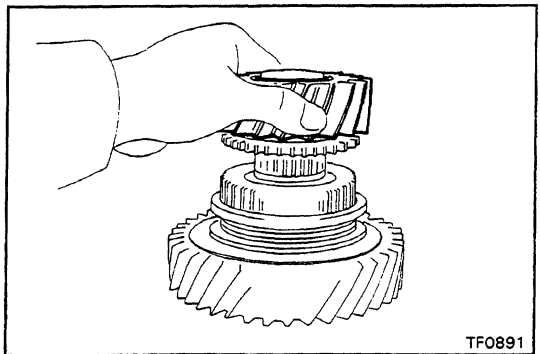
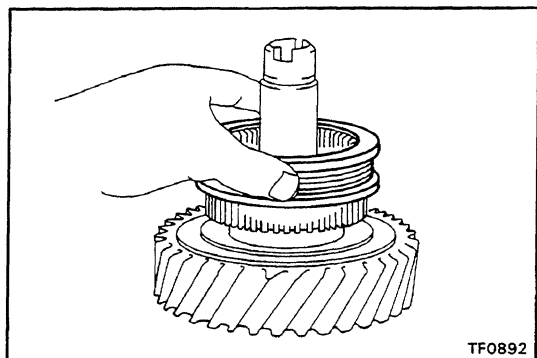


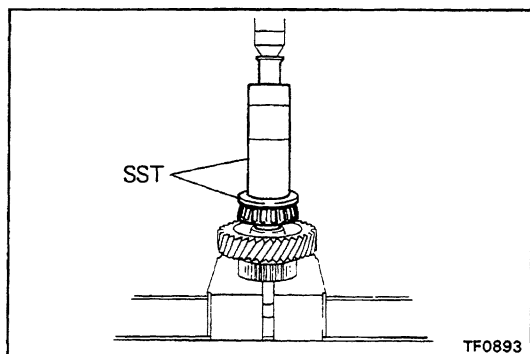
**2. REMOVE FRONT TAPER ROLLER BEARING**

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

**3. REMOVE REAR TAPER ROLLER BEARING**

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

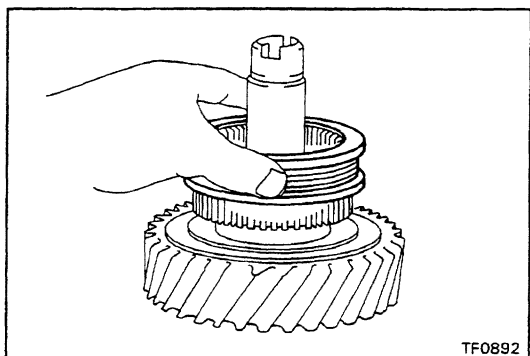
**4. REMOVE IDLER LOW GEAR AND NEEDLE ROLLER BEARING****5. REMOVE HIGH AND LOW CLUTCH SLEEVE**



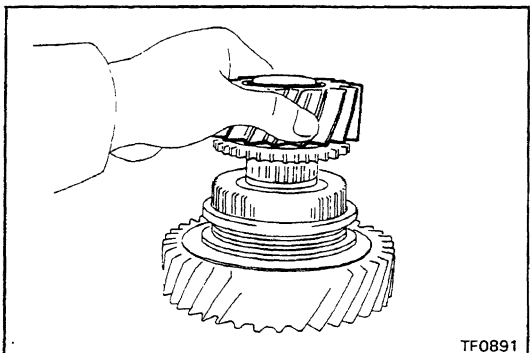
ASSEMBLY OF IDLER GEAR ASSEMBLY

1. INSTALL FRONT TAPER ROLLER BEARING

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

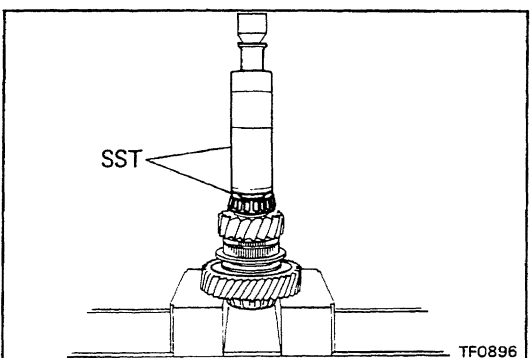


2. INSTALL HIGH AND LOW CLUTCH SLEEVE



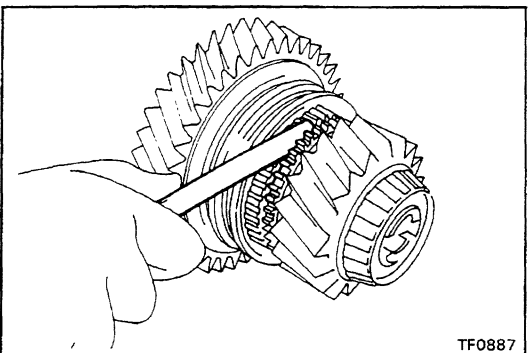
3. INSTALL NEEDLE ROLLER BEARING AND IDLER LOW GEAR

- (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)

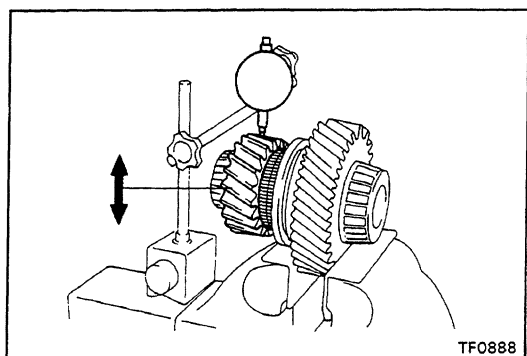


5. MEASURE OIL CLEARANCE AND THRUST CLEARANCE OF IDLE LOW GEAR

- (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 oil clearance.

Standard clearance: **0.015 – 0.068mm**
 (0.0006 – 0.0027 in.)

Maximum clearance: **0.068 mm (0.0027 in.)**