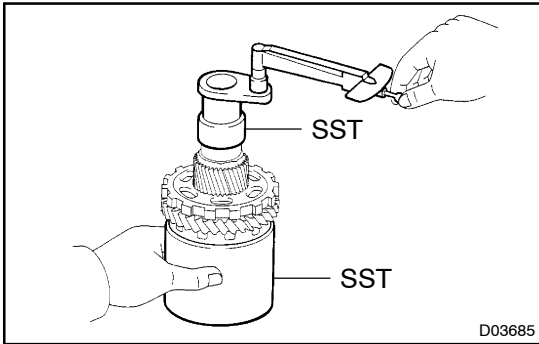




DISASSEMBLY

1. **MEASURE STARTING TORQUE OF U/D INPUT SHAFT**
Using SST and a torque wrench, measure the starting torque of the U/D input shaft.

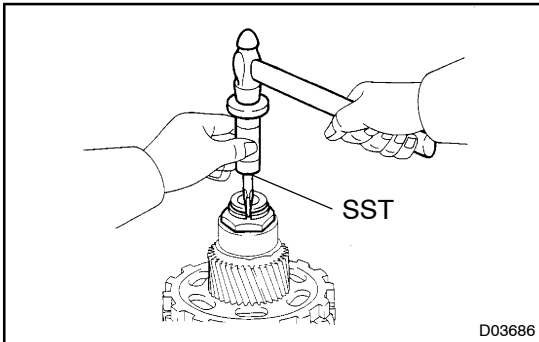
SST 09387-00050, 09564-16020

Starting torque:

0.7 – 4.4 N·m (7 – 44 kgf·cm, 6.2 – 38.9 in.·lbf)

HINT:

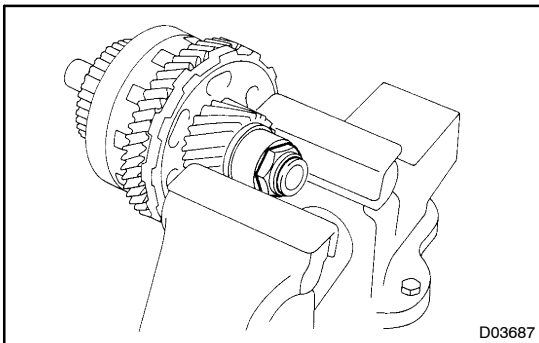
Use a torque wrench with a fulcrum length of 160 mm (6.3 in.).



2. **REMOVE CYLINDRICAL ROLLER BEARING INNER RACE**

- (a) Using SST, loosen the staked part of the nut.

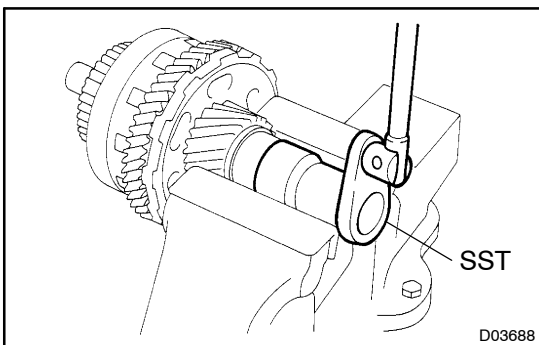
SST 09930-00010 (09931-00010, 09931-00020)



- (b) Clamp the U/D planetary gear in soft jaw vise.

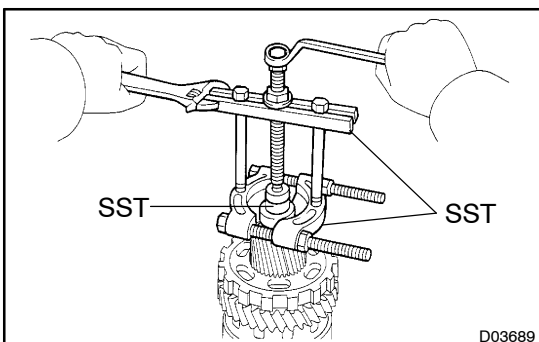
NOTICE:

Be careful not to damage the differential drive pinion.



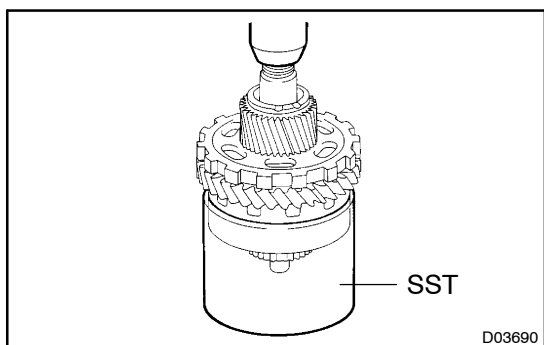
- (c) Using SST, remove lock nut.

SST 09564-16020



- (d) Using SST, remove cylindrical roller bearing inner race.

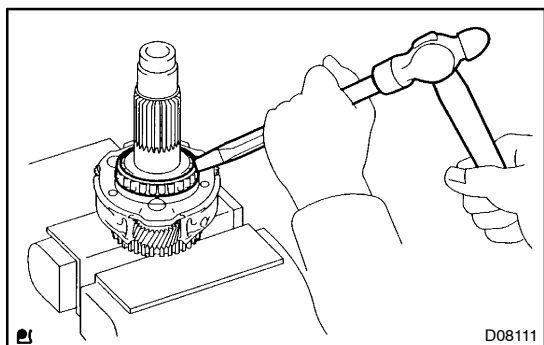
SST 09950-00020, 09950-00030, 09950-60010
(09951-00340)



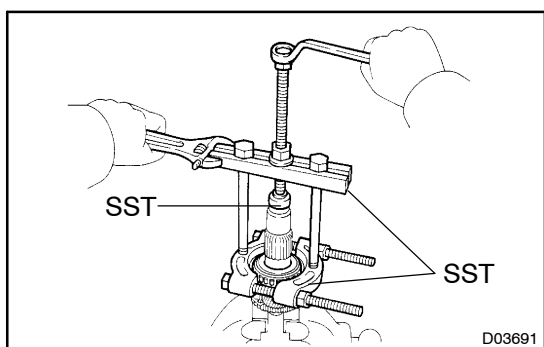
3. REMOVE U/D PLANETARY GEAR

- (a) Using SST and a press, remove the differential drive pinion, parking lock gear, counter driven gear with U/D planetary ring gear and tapered roller bearing FR.

SST 09387-00050

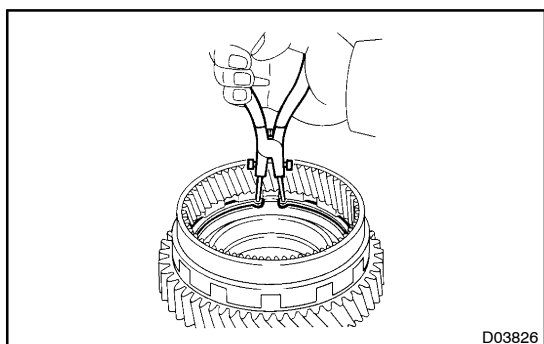


- (b) Secure the under drive planetary gear assembly into a vise, cut off the cover of the tapered roller bearing with a chisel and hammer and remove the cover and roller.



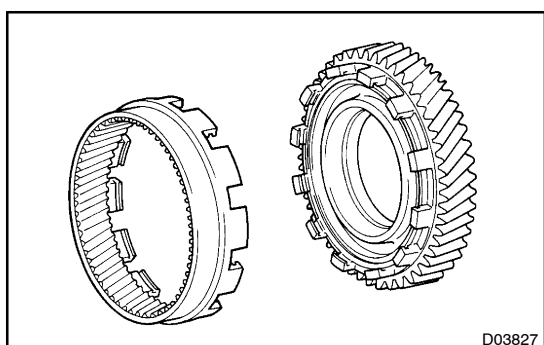
- (c) Clamp the U/D planetary gear in soft jaw vise.
(d) Using SST, remove the tapered roller bearing from the U/D planetary gear.

SST 09950-00020, 09950-00030, 09950-60010
(09951-00320)



4. REMOVE U/D PLANETARY RING GEAR

- (a) Using snap ring pliers, remove snap ring.



- (b) Remove the U/D planetary ring gear from the counter driven gear.