

DISASSEMBLY

1. INSPECT HIGH SPEED OUTPUT GEAR RADIAL AND THRUST CLEARANCE

- (a) Using a feeler gauge, measure the high speed output gear thrust clearance.

Standard clearance:

0.10 – 0.25 mm (0.0039 – 0.0098 in.)

Maximum clearance:

0.25 mm (0.0098 in.)

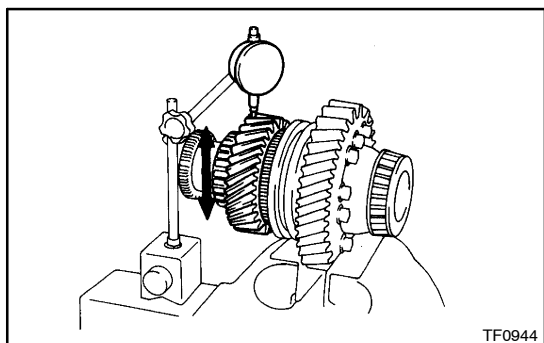
- (b) Using a dial indicator, measure the high speed output gear radial clearance.

Standard clearance:

0.035 – 0.091 mm (0.0014 – 0.0036 in.)

Maximum clearance:

0.091 mm (0.0036 in.)

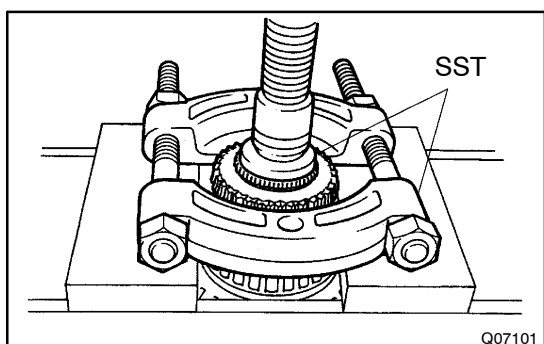


2. REMOVE FRONT DRIVE GEAR PIECE

- (a) Using a snap ring expander, remove the snap ring.
 (b) Using SST and a press, remove the front drive gear piece.
 SST 09950-00020, 09950-60010 (09951-00320)

NOTICE:

Be careful not to drop the center differential assembly.



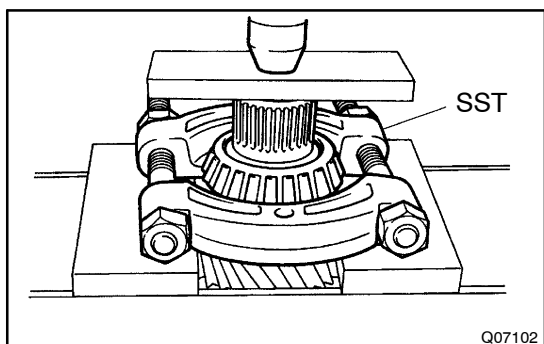
3. REMOVE FRONT TAPER ROLLER BEARING

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

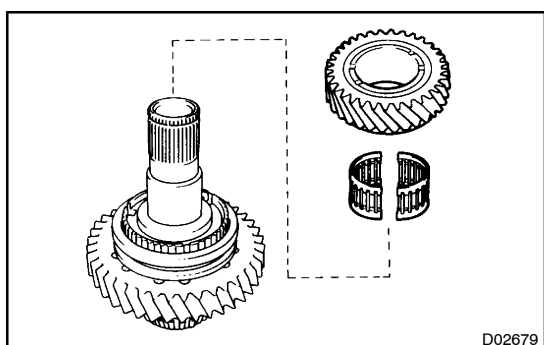
SST 09950-00020

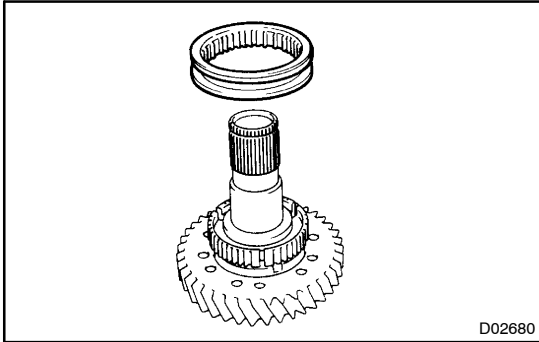
NOTICE:

Set the claw of SST to the bearing inner race securely.

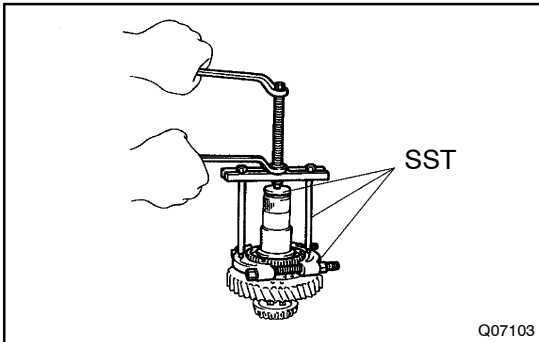


4. REMOVE HIGH SPEED OUTPUT GEAR
 5. REMOVE NEEDLE ROLLER BEARING



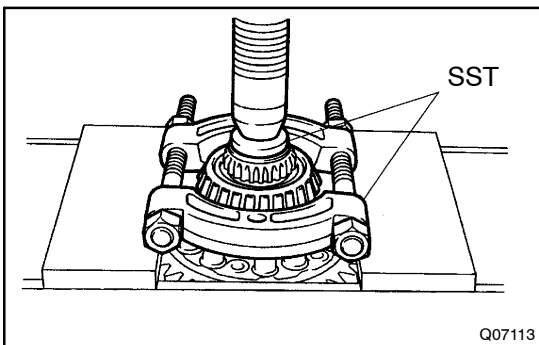


6. REMOVE HIGH AND LOW CLUTCH SLEEVE



7. REMOVE HIGH SPEED OUTPUT GEAR BUSHING AND CLUTCH HUB

- (a) Using SST, remove the high speed output gear bushing and clutch hub.
SST 09950-00020, 09950-00030, 09950-60010 (09951-00320)
- (b) Using a magnetic finger, remove the straight pin from the differential front case.



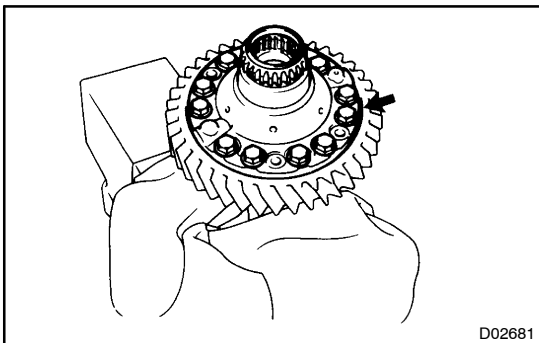
8. REMOVE REAR TAPER ROLLER BEARING

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

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

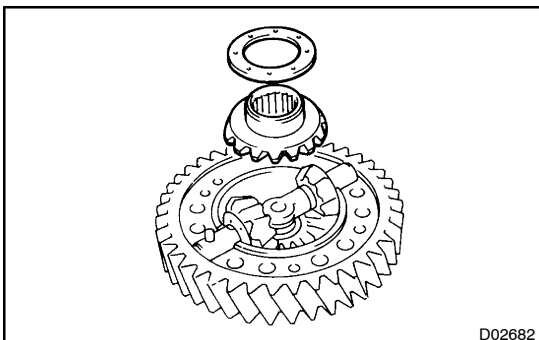
NOTICE:

Set the claw of SST to the bearing inner race securely.

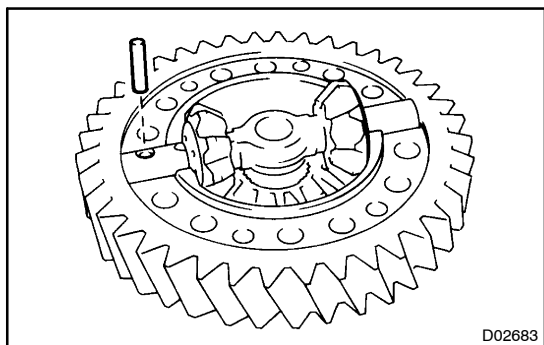


9. REMOVE DIFFERENTIAL REAR CASE

Remove the 12 bolts and differential rear case.

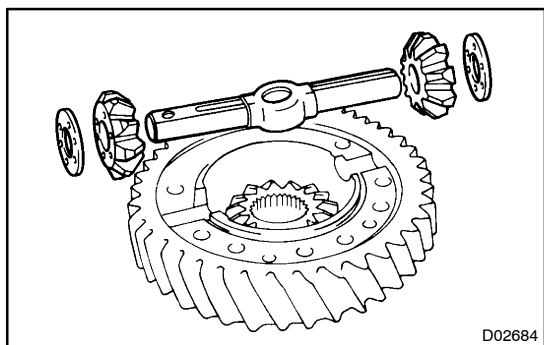


10. REMOVE REAR SIDE GEAR AND THRUST WASHER

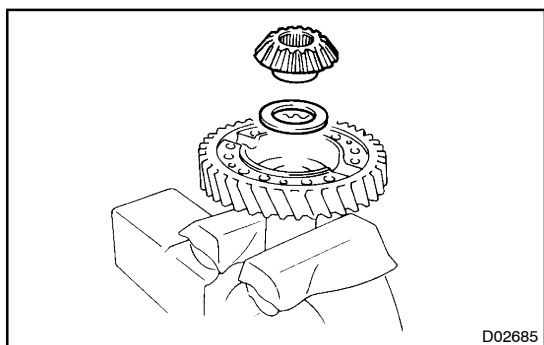


11. REMOVE PINION SHAFT, PINION GEAR AND THRUST WASHER

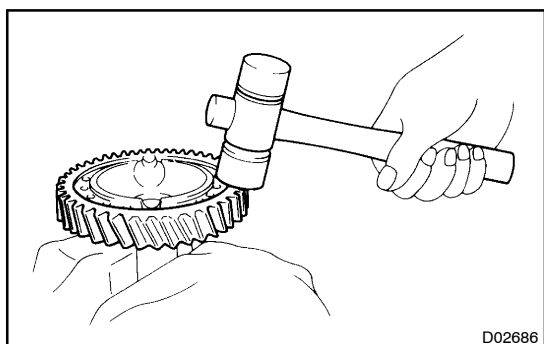
- (a) Remove the straight pin from the pinion shaft.



- (b) Remove the pinion shaft, 2 pinion gears and thrust washers.



- (c) Remove the front side gear and thrust washer.



12. REMOVE LOW GEAR

Using a plastic hammer, tap and remove the low gear.

NOTICE:

Be careful not to damage the low gear.