

TF0900

## 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.)**

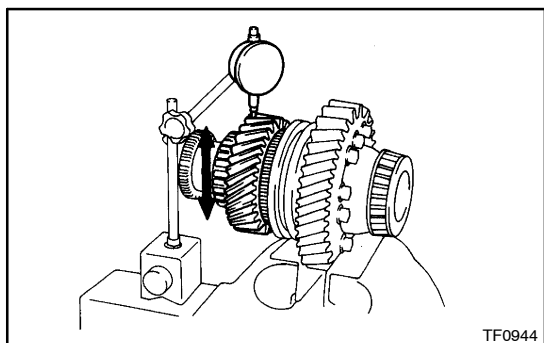
- (b) Using a dial indicator, measure the high speed output gear radial clearance.

**Standard clearance:**

**0.035 – 0.091 mm (0.0014 – 0.0036 in.)**

**Maximum clearance:**

**0.091 mm (0.0036 in.)**



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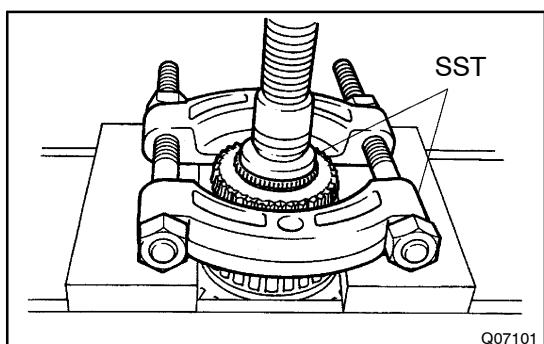
### 2. REMOVE FRONT DRIVE GEAR PIECE

- (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.**



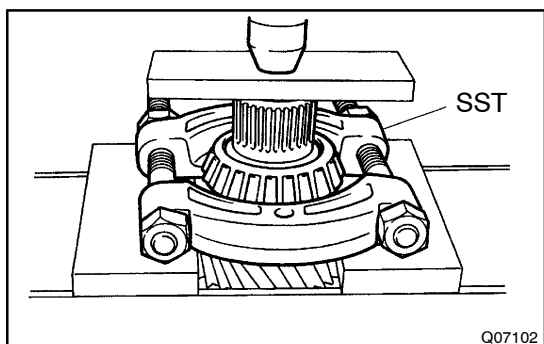
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### 3. REMOVE FRONT TAPER ROLLER BEARING

Using SST and a press, remove the front taper roller bearing.  
SST 09950-00020

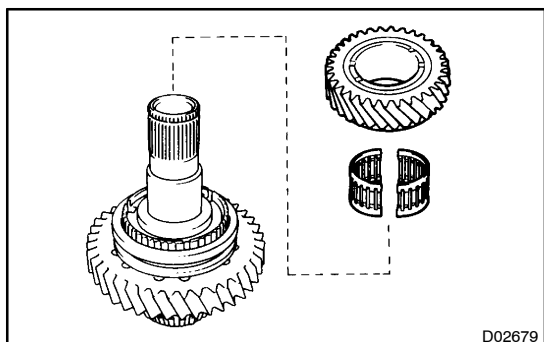
**NOTICE:**

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

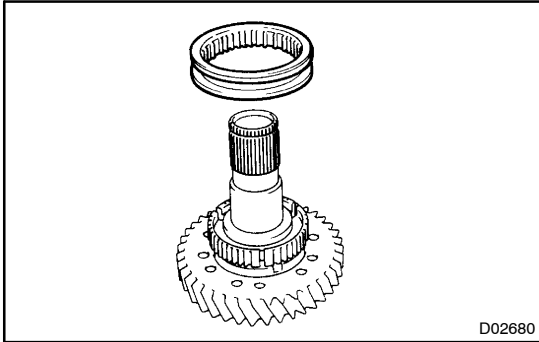


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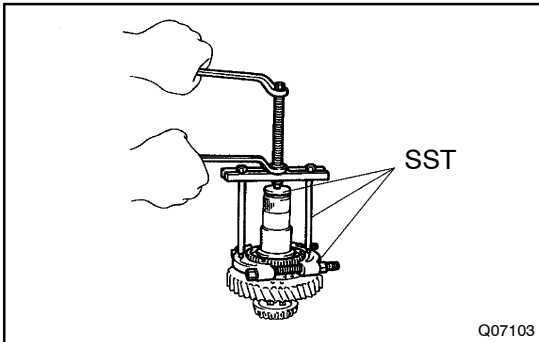
4. REMOVE HIGH SPEED OUTPUT GEAR
5. REMOVE NEEDLE ROLLER BEARING



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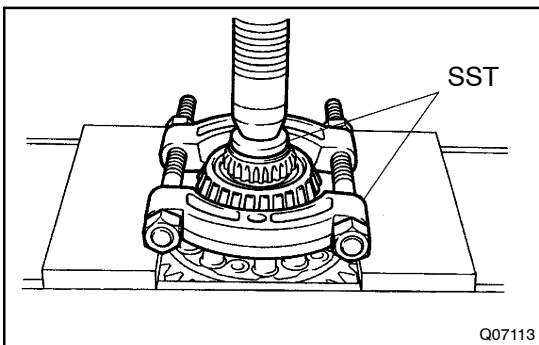


## 6. REMOVE HIGH AND LOW CLUTCH SLEEVE



## 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.

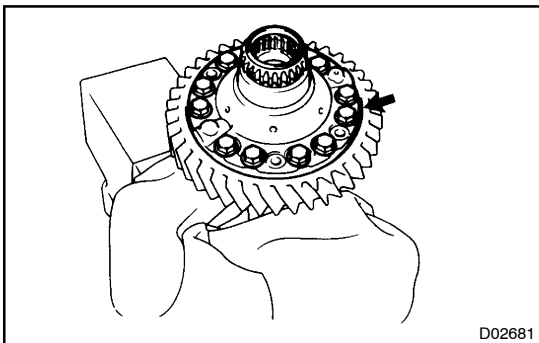


## 8. REMOVE REAR TAPER ROLLER BEARING

Using SST and a press, remove the rear taper roller bearing.  
SST 09950 -00020, 09950 -60010 (09951-00320)

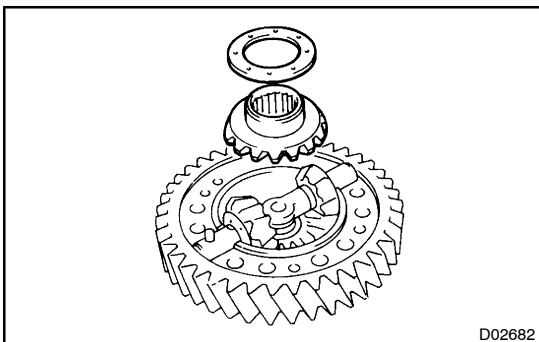
### NOTICE:

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

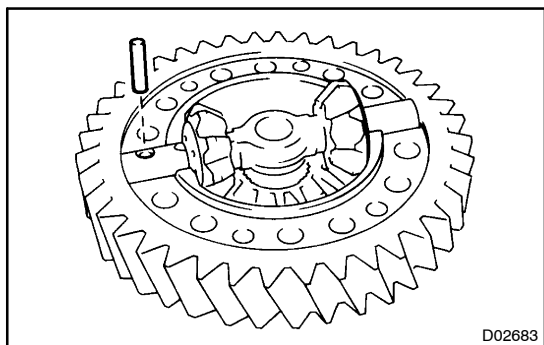


## 9. REMOVE DIFFERENTIAL REAR CASE

Remove the 12 bolts and differential rear case.

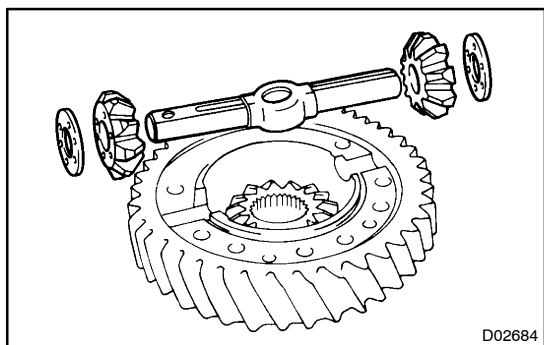


## 10. REMOVE REAR SIDE GEAR AND THRUST WASHER

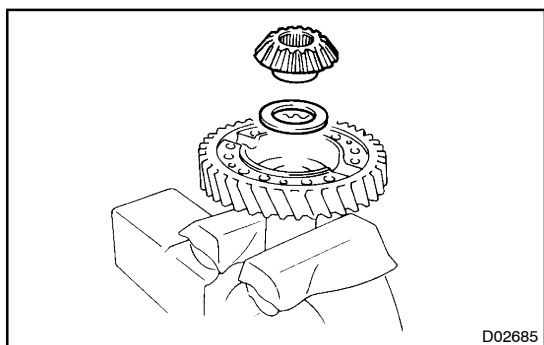


### 11. REMOVE PINION SHAFT, PINION GEAR AND THRUST WASHER

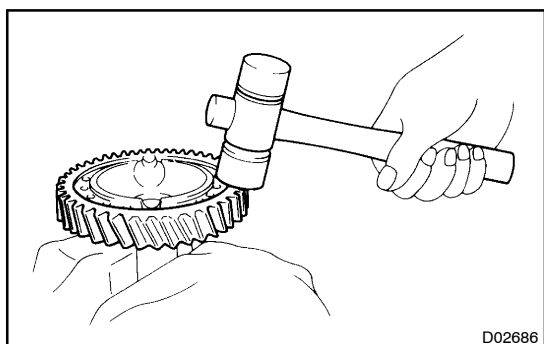
- (a) Remove the straight pin from the pinion shaft.



- (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.**