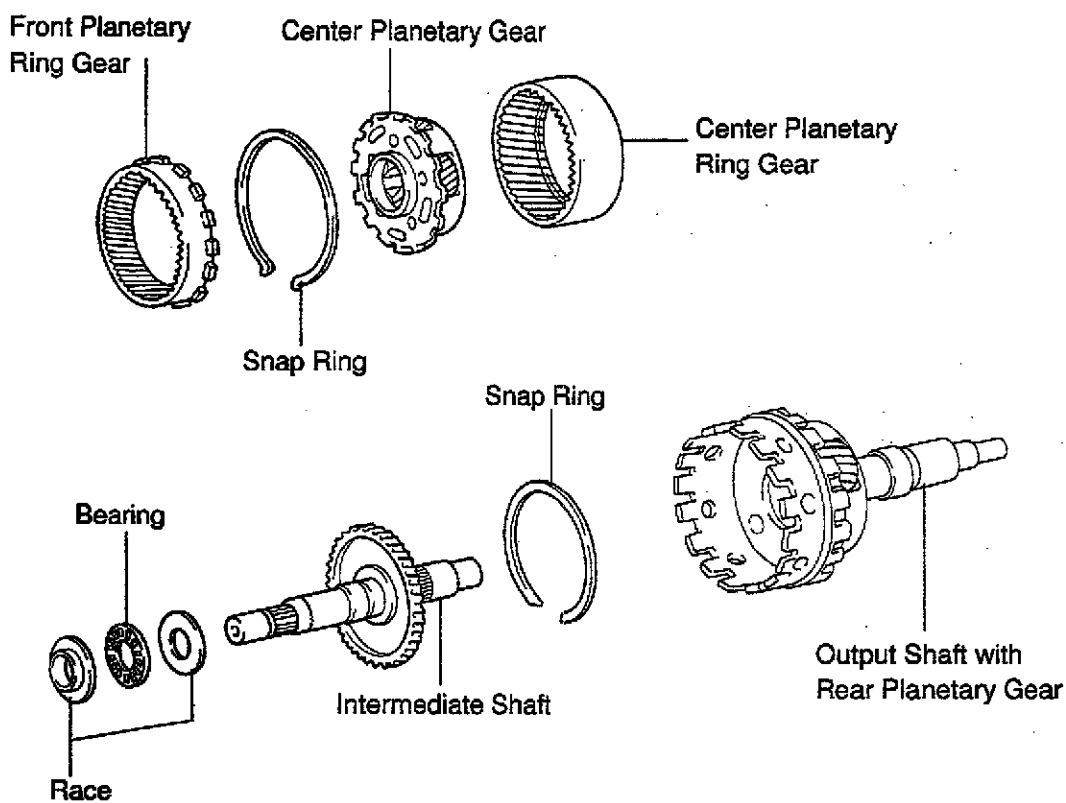
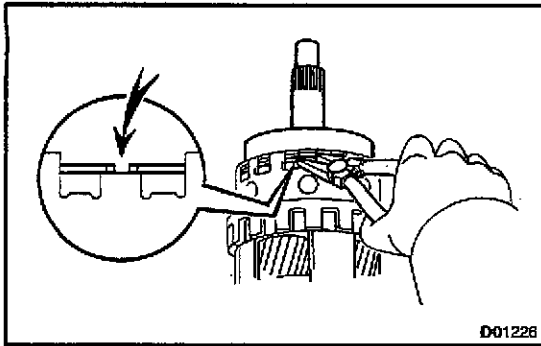


# CENTER PLANETARY GEAR COMPONENTS

AT053-01



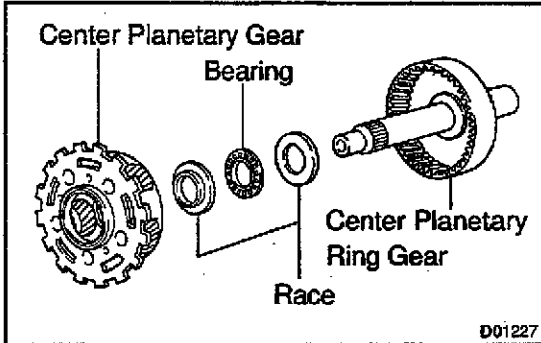
D01473



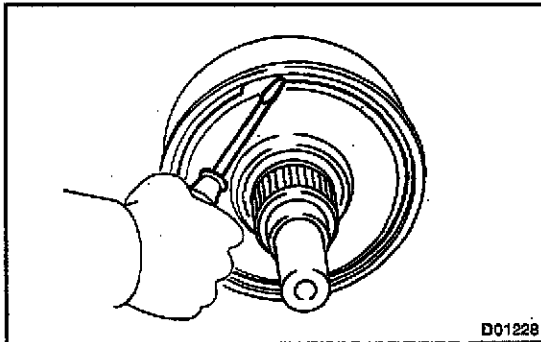
## DISASSEMBLY

### 1. REMOVE CENTER PLANETARY GEAR

- (a) Using a needle nose plier, nip the snap ring to remove the front planetary ring gear.

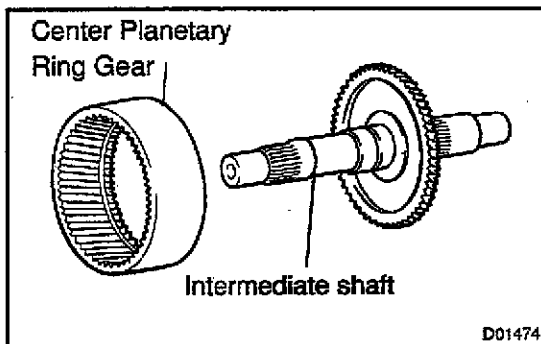


- (b) Remove the center planetary gear, bearing and 2 races from center planetary ring gear.

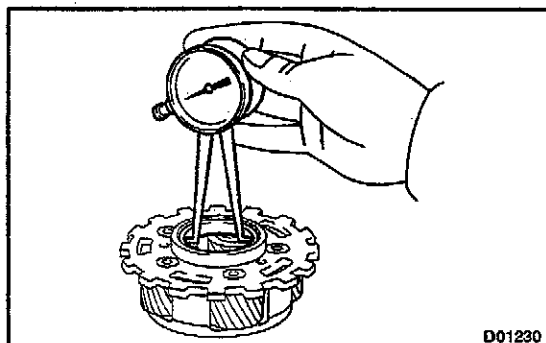


### 2. REMOVE CENTER PLANETARY RING GEAR

- (a) Using a screwdriver, remove the snap ring.



- (b) Remove the center planetary ring gear from the intermediate shaft.



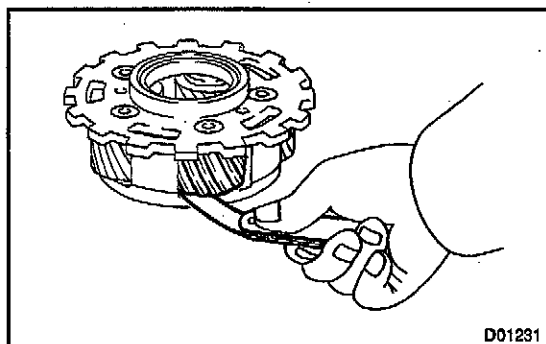
## INSPECTION

### 1. CHECK CENTER PLANETARY GEAR BUSHING

Using a dial indicator, measure the inside diameter of the planetary gear bushing

**Maximum inside diameter: 41.31 mm (1.626 in.)**

If the inside diameter is greater than the maximum, replace the planetary gear.



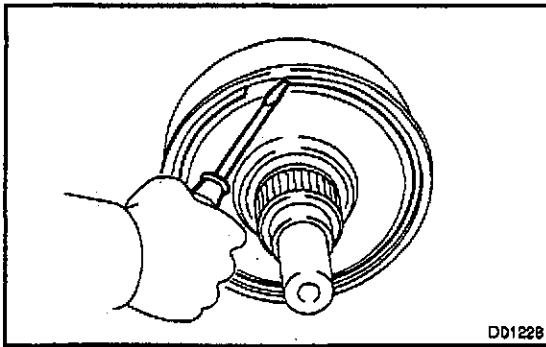
### 2. MEASURE PLANETARY PINION GEAR THRUST CLEARANCE

Using a feeler gauge, measure the planetary pinion gear thrust clearance.

**Standard clearance: 0.2 – 0.6 mm (0.008 – 0.024 in.)**

**Maximum clearance: 1.0 mm (0.039 in.)**

If the clearance is greater than the maximum, replace the planetary gear assembly.

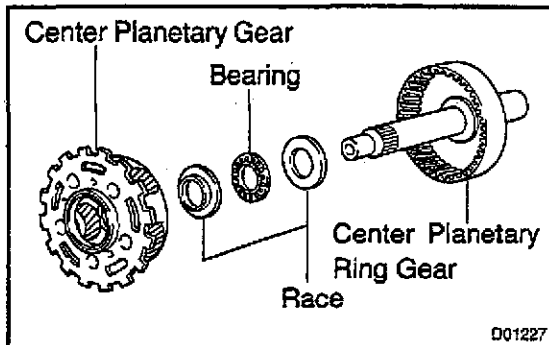


D01228

## REASSEMBLY

### 1. INSTALL CENTER PLANETARY RING GEAR

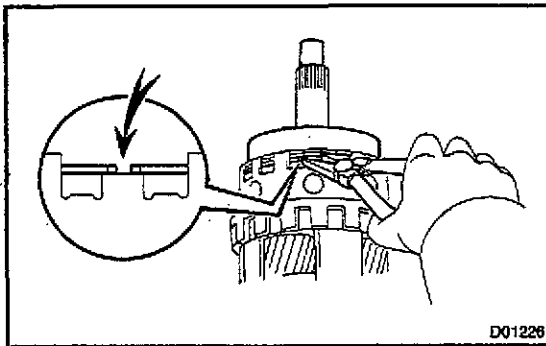
- (a) Install the center planetary ring gear to the intermediate shaft.
- (b) Using a screwdriver, install the snap ring.



D01227

### 2. INSTALL CENTER PLANETARY GEAR

- (a) Install the bearing and 2 races to the center planetary ring gear.
- (b) Install the center planetary gear.



D01226

- (c) Assemble the snap ring to the front planetary ring gear. Nip the both ends of snap ring using needle nose pliers and install them to the output shaft with rear planetary gear so that the end gap of the snap ring comes on the indented part of the output shaft with rear planetary gear.