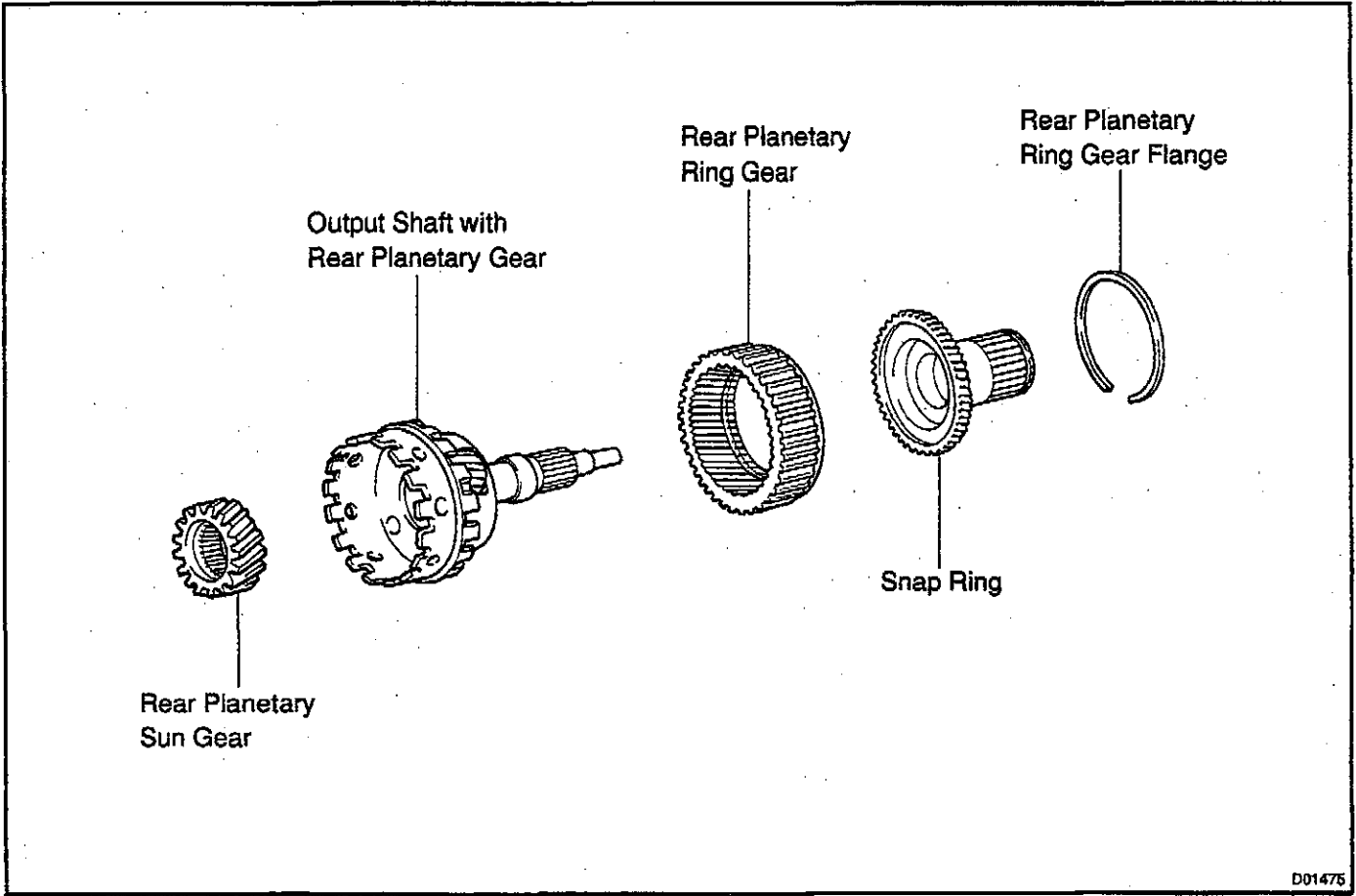
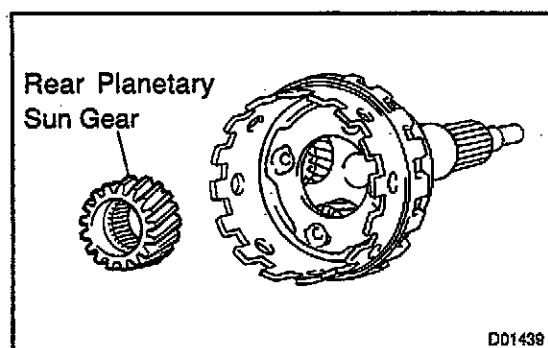


# REAR PLANETARY GEAR COMPONENTS

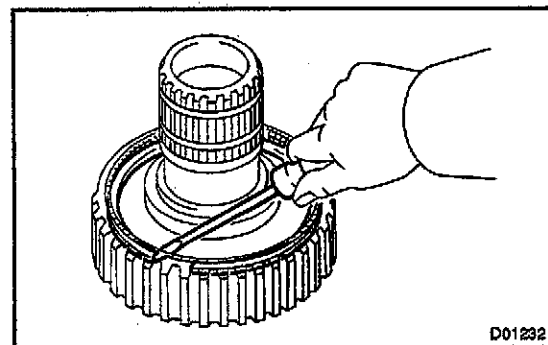
AT057-01





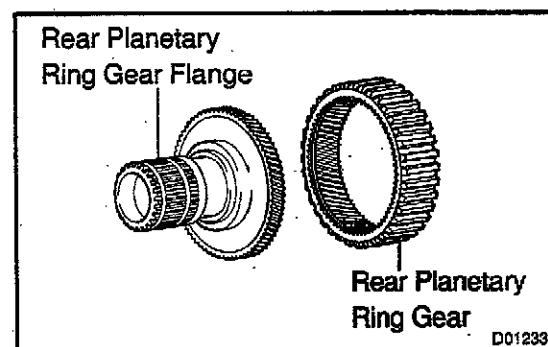
## DISASSEMBLY

### 1. REMOVE REAR PLANETARY SUN GEAR

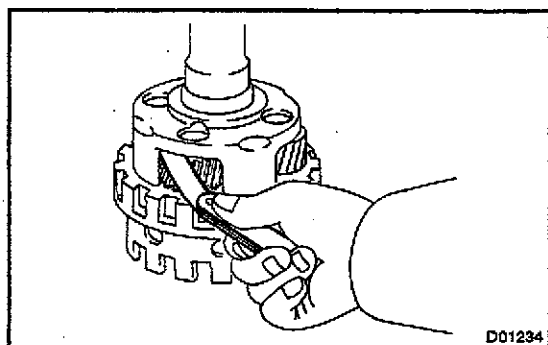


### 2. REMOVE REAR PLANETARY RING GEAR FLANGE

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



(b) Remove the rear planetary ring gear flange from the rear planetary ring gear.



## INSPECTION

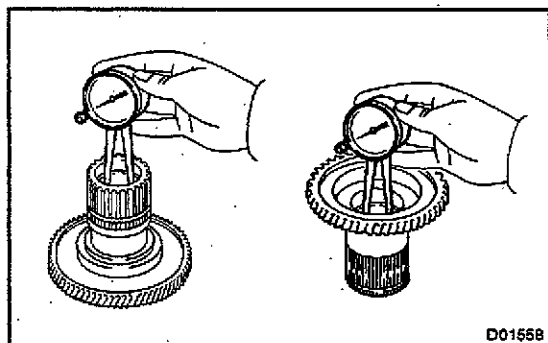
### 1. MEASURE PLANETARY PINION GEAR THRUST CLEARANCE

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.

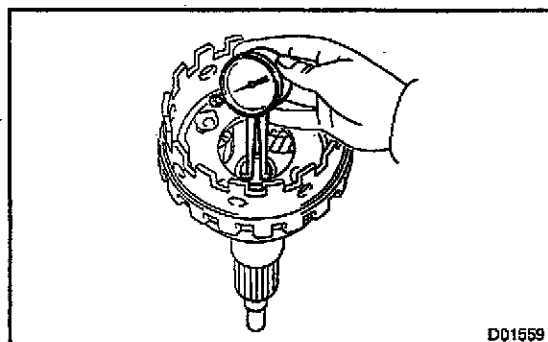


### 2. CHECK REAR PLANETARY RING GEAR BUSHING

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

**Maximum inside diameter: 38.56 mm (1.518 in.)**

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

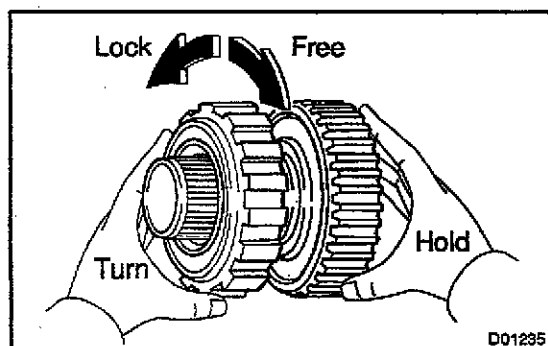


### 3. CHECK OUTPUT SHAFT BUSHING

Using a dial indicator, measure the inside diameter of the output shaft bushing.

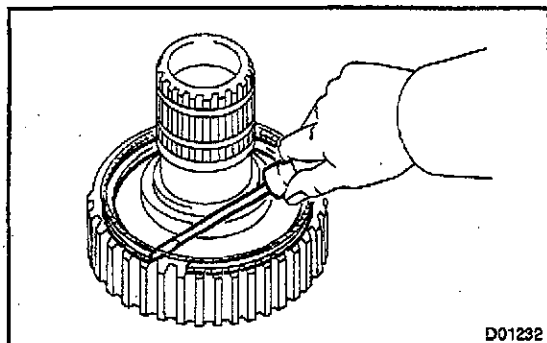
**Maximum inside diameter: 20.08 mm (0.791 in.)**

If the inside diameter is greater than the maximum, replace the output shaft.



### 4. CHECK OPERATION ONE-WAY CLUTCH

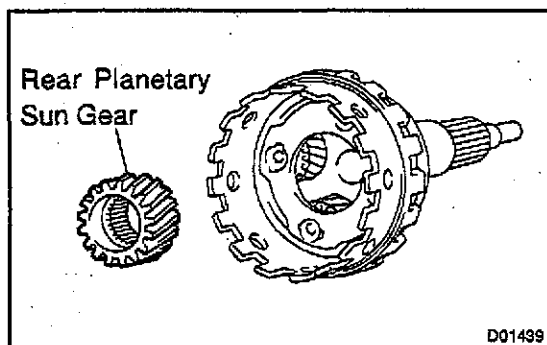
- Install the No.2 one-way clutch to rear planetary ring gear.
- Hold the rear planetary ring gear and turn the one-way clutch.
- The one-way clutch turns freely clockwise and locks counterclockwise.
- Remove the No.2 one-way clutch from rear planetary ring gear.



## REASSEMBLY

### 1. INSTALL RING GEAR FLANGE

- (a) Install the ring gear flange to the rear planetary ring gear.
- (b) Using a screwdriver, install the snap ring.



### 2. INSTALL REAR PLANETARY SUN GEAR