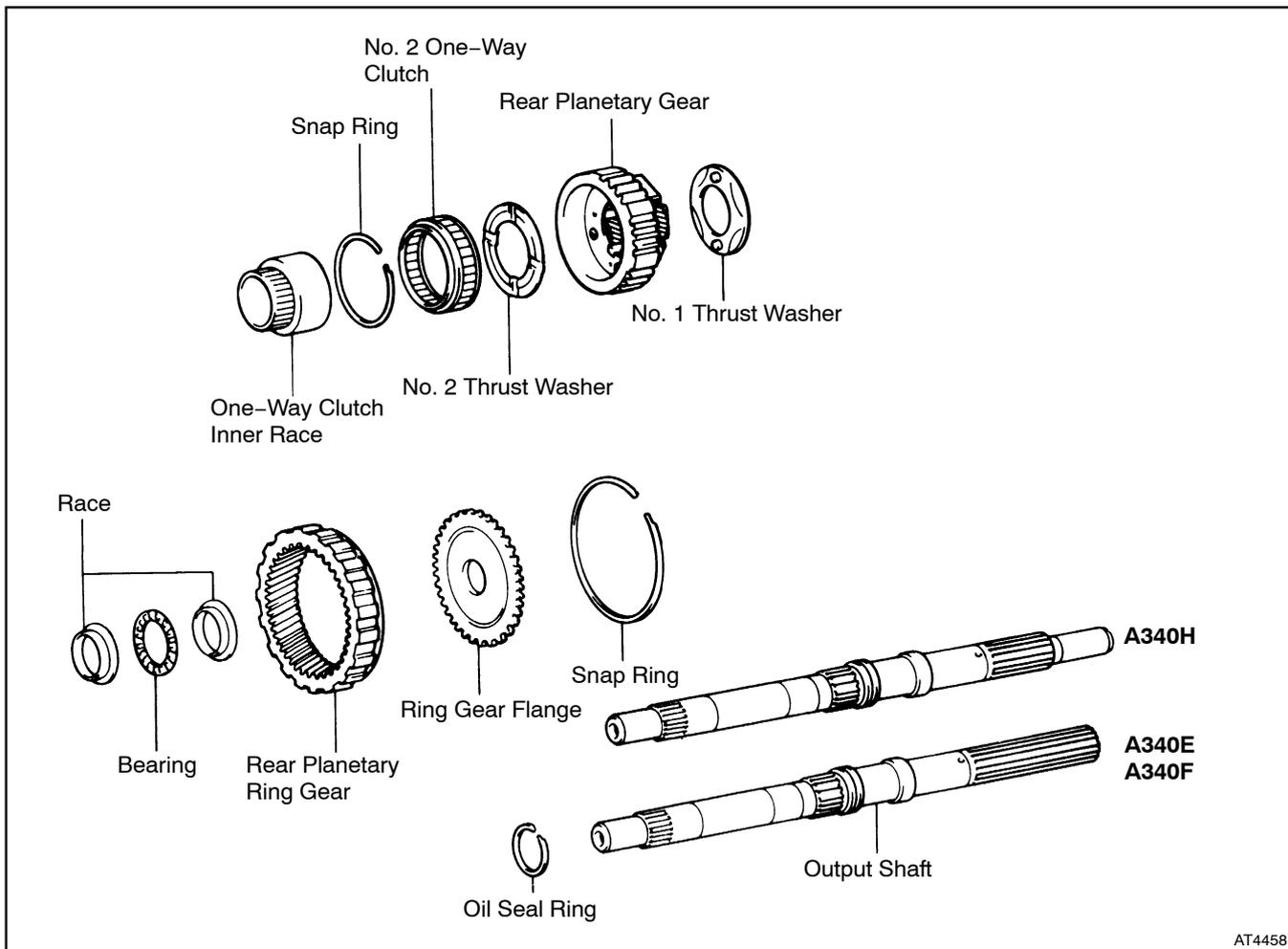
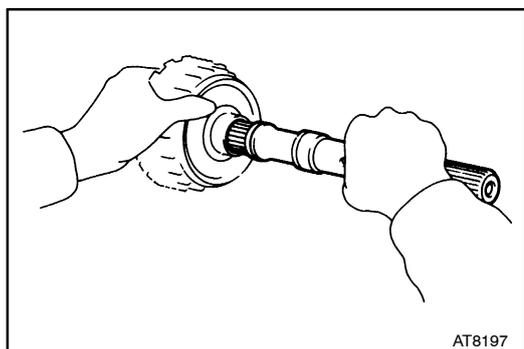


# Rear Planetary Gear, No. 2 One-Way Clutch and Output Shaft

## COMPONENTS

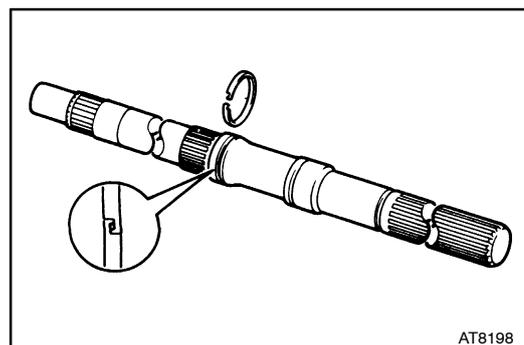


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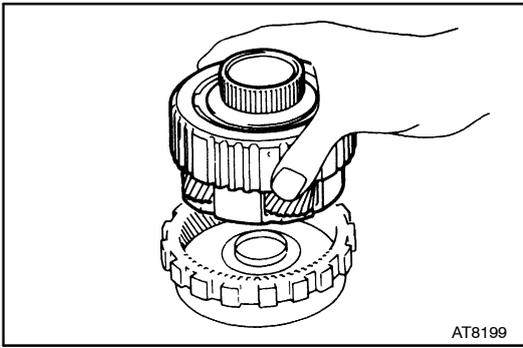


### DISASSEMBLY OF REAR PLANETARY GEAR, NO. 2 ONE-WAY CLUTCH AND OUTPUT SHAFT

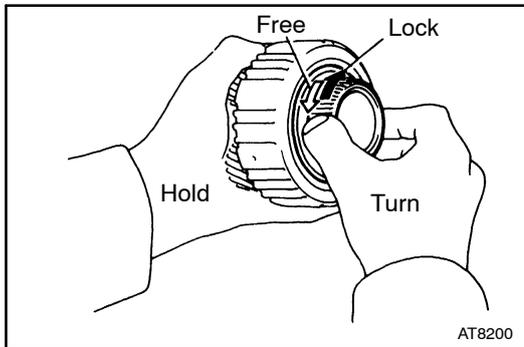
1. REMOVE OUTPUT SHAFT FROM REAR PLANETARY GEAR ASSEMBLY



2. REMOVE OIL SEAL RING FROM OUTPUT SHAFT

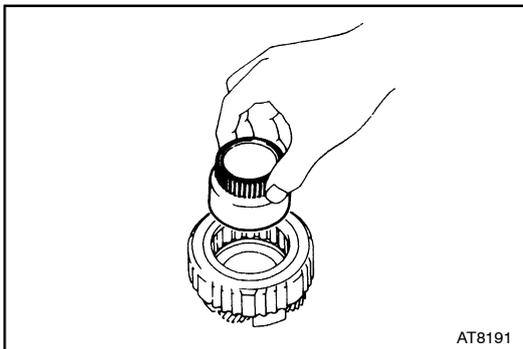


### 3. REMOVE REAR PLANETARY GEAR FROM REAR PLANETARY RING GEAR



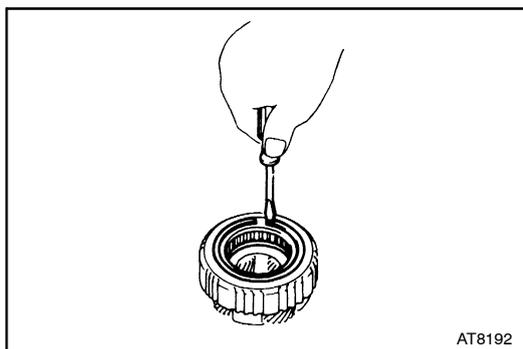
### 4. CHECK OPERATION OF NO. 2 ONE-WAY CLUTCH

Hold the planetary gear and turn the one-way clutch inner race. The one-way clutch inner race turns freely counterclockwise and locks clockwise.

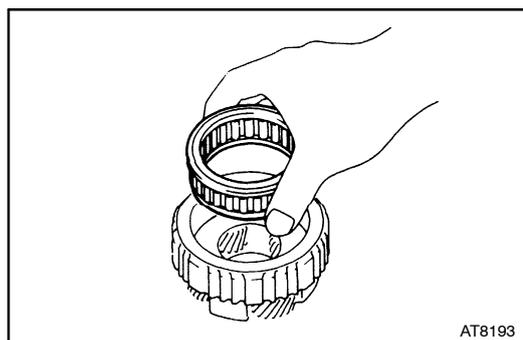


### 5. REMOVE NO. 2 ONE-WAY CLUTCH

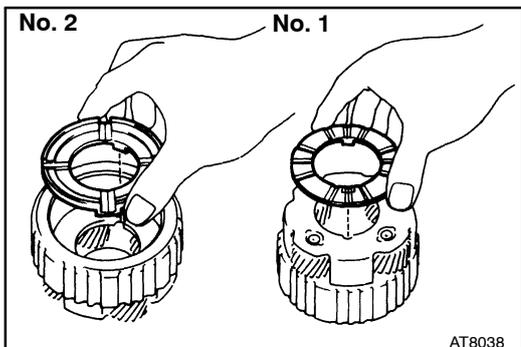
- (a) Remove the one-way clutch inner race from the rear planetary gear.



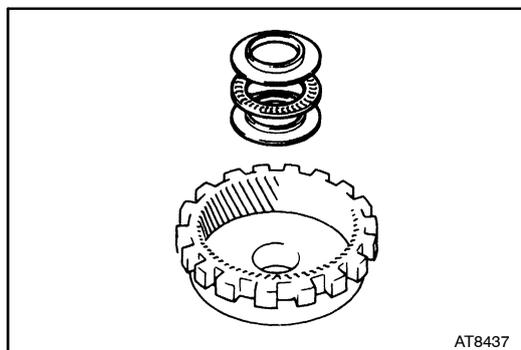
- (b) Remove the snap ring with a screwdriver.



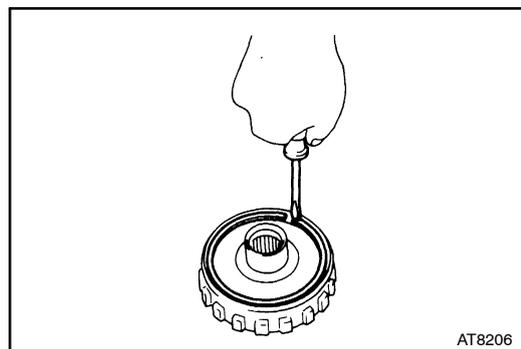
- (c) Remove No. 2 one-way clutch with retainers from the planetary gear.



**6. REMOVE NO. 2 AND NO. 1 THRUST WASHERS**

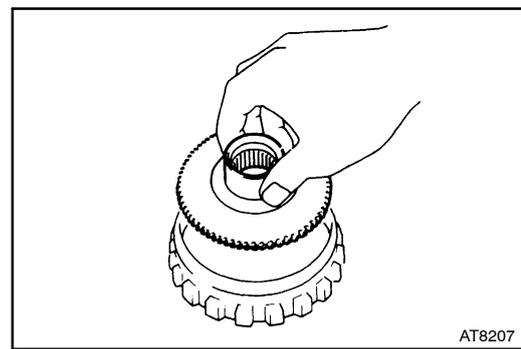


**7. REMOVE RACES AND BEARING FROM REAR PLANETARY RING GEAR**

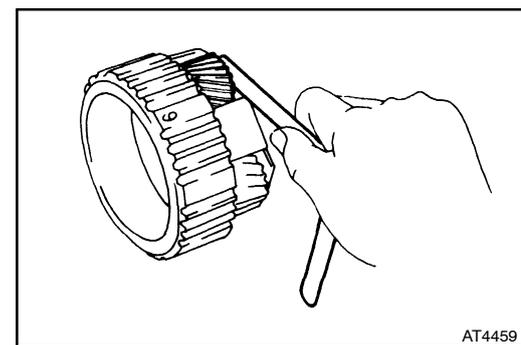


**8. REMOVE RING GEAR FLANGE**

(a) Remove the snap ring with a screwdriver.



(b) Remove the ring gear flange.



**INSPECTION OF REAR PLANETARY GEAR**

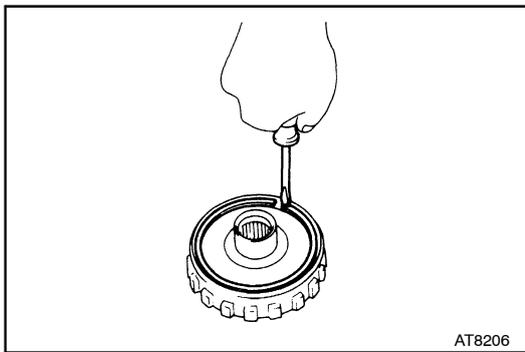
**MEASURE PLANETARY PINION GEAR THRUST CLEARANCE**

Using feeler gauge, measure the planetary pinion gear thrust clearance:

**Standard clearance:** 0.20 – 0.60 mm  
(0.0079 – 0.0236 in.)

**Maximum clearance:** 1.00 mm (0.0394 in.)

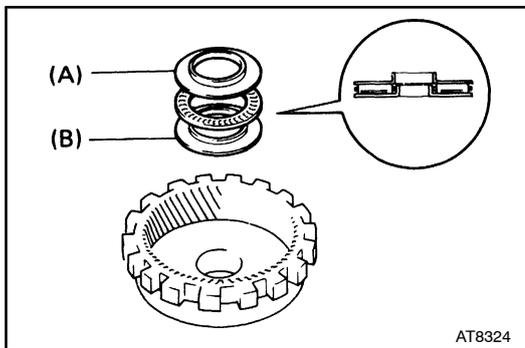
If the clearance is greater than the maximum, replace the planetary gear assembly.



## ASSEMBLY OF REAR PLANETARY GEAR, NO. 2 ONE-WAY CLUTCH AND OUTPUT SHAFT

### 1. INSTALL RING GEAR FLANGE

- (a) Install the ring gear flange.
- (b) Install the snap ring.

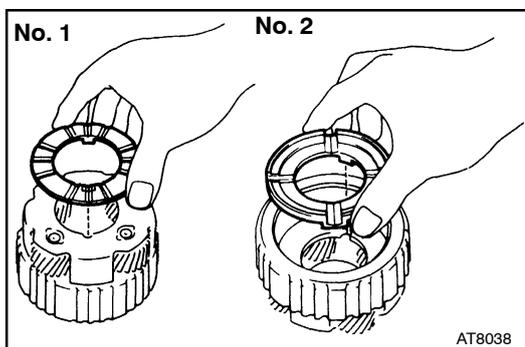


### 2. INSTALL RACES AND BEARING

Coat the races and bearing with petroleum jelly, and install them onto the rear planetary ring gear.  
 HINT: Races and bearing diameter

mm (in.)

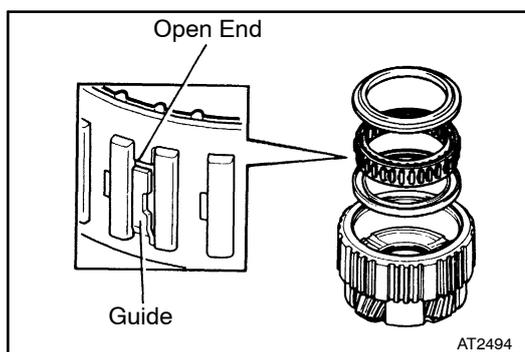
	Inside	Outside
Race (A)	28.8 (1.134)	44.8 (1.764)
Bearing	34.1 (1.185)	44.7 (1.760)
Race (B)	27.8 (1.094)	44.8 (1.764)



### 3. INSTALL NO. 1 AND NO. 2 THRUST WASHERS

- (a) Coat the thrust washers with petroleum jelly.
- (b) Install the thrust washers onto both sides of the rear planetary gear.

HINT: Make sure that the lug shapes match the cutout portions on the rear planetary gear.

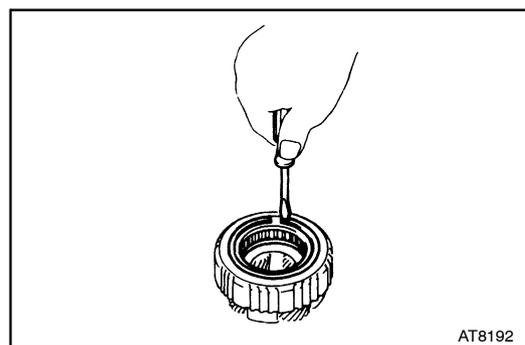


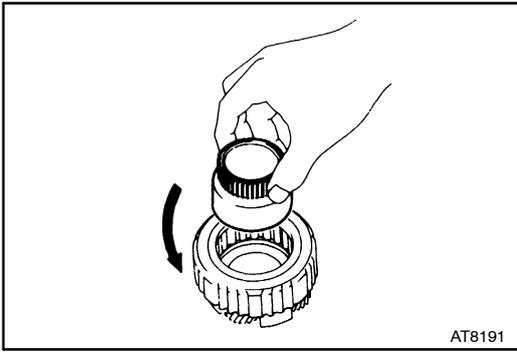
### 4. INSTALL NO. 2 ONE-WAY CLUTCH

- (a) Install the one-way clutch and two retainers into the rear planetary gear as shown in the figure.

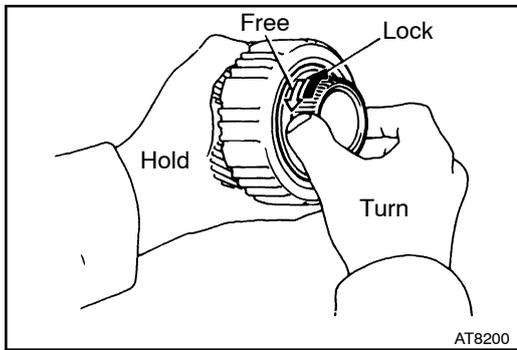
HINT: Make sure that the open ends of the guides on the one-way clutch are faced upward.

- (b) Install the snap ring.

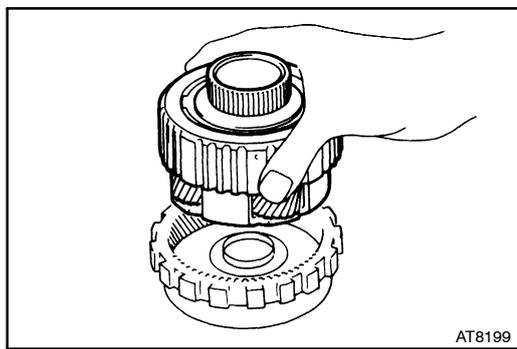




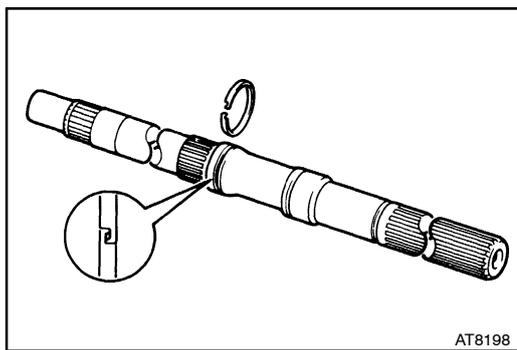
- (c) While turning counterclockwise, install the one-way clutch inner race to the rear planetary gear.



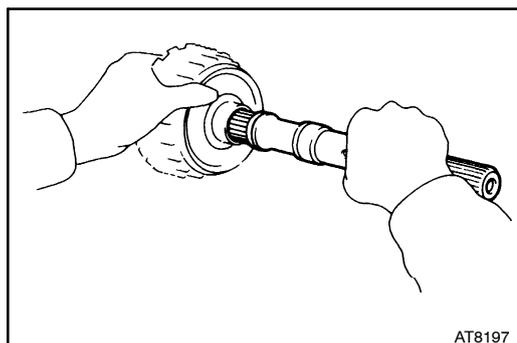
5. **CHECK OPERATION OF NO. 2 ONE-WAY CLUTCH**  
Hold the planetary gear and turn the one-way clutch inner race. The one-way clutch inner race turns freely counterclockwise and locks clockwise.



6. **INSTALL REAR PLANETARY GEAR ONTO REAR PLANETARY RING GEAR**



7. **INSTALL OIL SEAL RING**  
Coat the oil seal ring with ATF and install it to the output shaft.  
**NOTICE: Do not spread the ring ends too much.**  
HINT: After installing the oil seal ring, check that it rotates smoothly.



8. **INSTALL OUTPUT SHAFT INTO REAR PLANETARY GEAR ASSEMBLY**