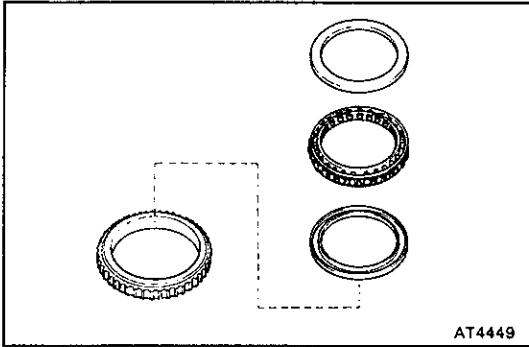
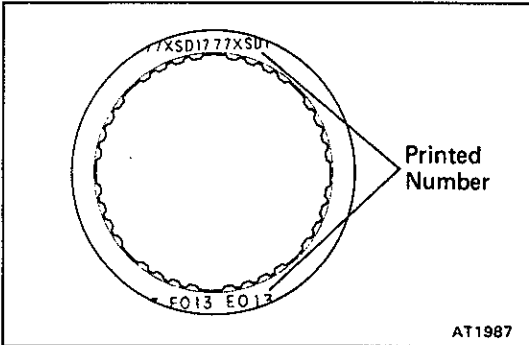


AT



9. REMOVE ONE-WAY CLUTCH FROM OUTER RACE



OVERDRIVE PLANETARY GEAR AND OVERDRIVE DIRECT CLUTCH INSPECTION

1. INSPECT DISC AND FLANGE

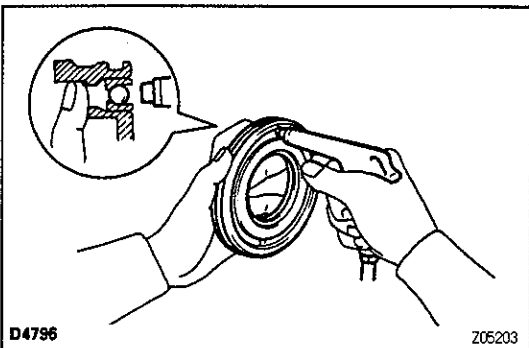
Check to see if the sliding surface of the disc, plate and flange are worn or burnt. If necessary, replace them.

HINT:

- If the lining of the disc is peeling off or discolored, or even if parts of the printed numbers are defaced, replace all discs.
- Before assembling new discs, soak them in ATF for at least 15 minutes.

2. CHECK OVERDRIVE DIRECT CLUTCH PISTON

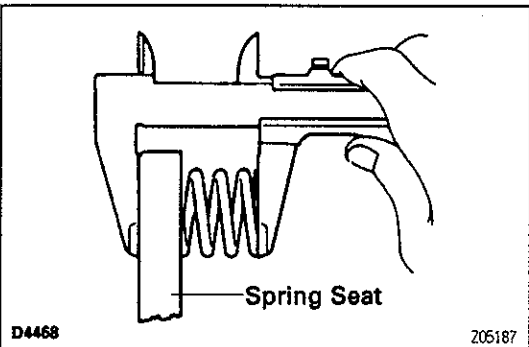
- (a) Check that the check ball is free by shaking the piston.
- (b) Check that the valve does not leak by applying low-pressure compressed air.



3. CHECK OVERDRIVE DIRECT CLUTCH RETURN SPRING

Check the spring free length together with the spring seat.

Standard free length:
15.8 mm (0.622 in.)

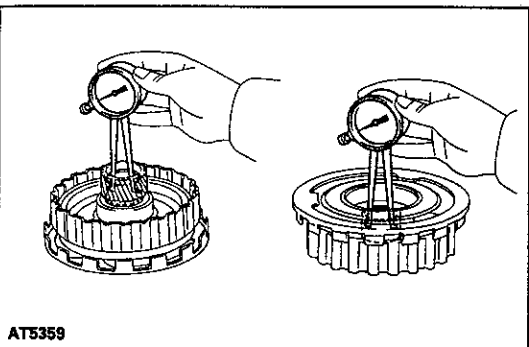


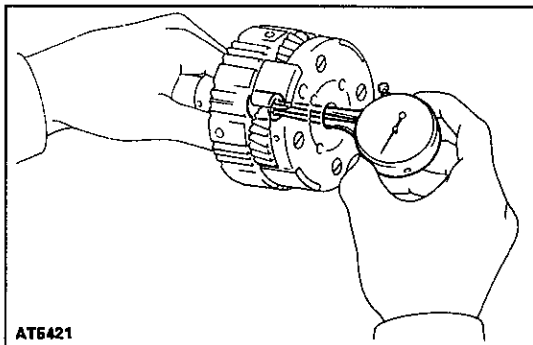
4. CHECK OVERDRIVE DIRECT CLUTCH DRUM BUSHINGS

Using a dial indicator, measure the inside diameter of the clutch drum bushings.

Maximum inside diameter:
27.11 mm (1.0673 in.)

If the inside diameter is greater than the maximum, replace the clutch drum.

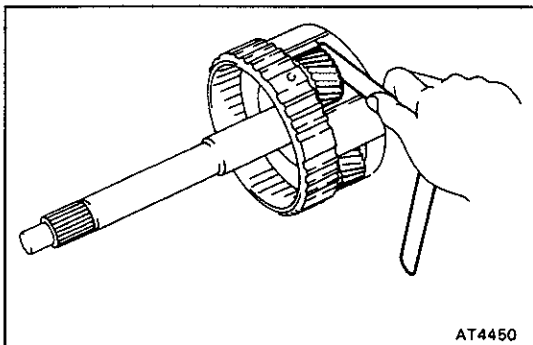




- 5. CHECK OVERDRIVE PLANETARY GEAR BUSHINGS**
Using a dial indicator, measure the inside diameter of the planetary gear bushing.

Maximum inside diameter:
11.27 mm (0.4437 in.)

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



- 6. MEASURE PLANETARY PINION GEAR THRUST CLEARANCE**

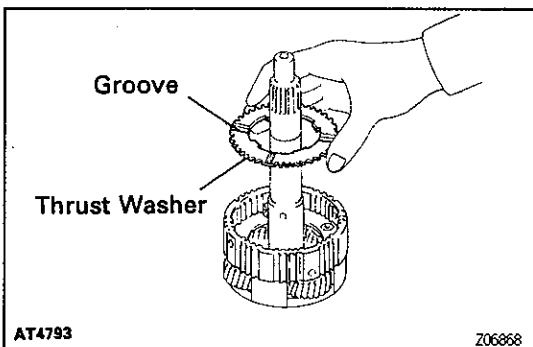
Using a feeler gauge, measure the planetary pinion gear thrust clearance.

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.

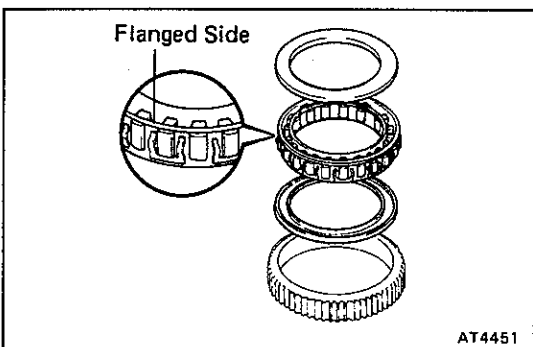
AT00R-03



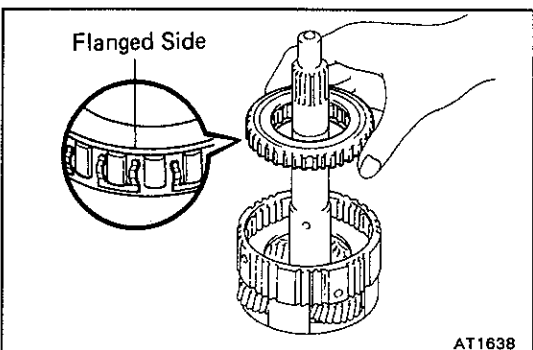
**OVERDRIVE PLANETARY GEAR,
OVERDRIVE DIRECT CLUTCH AND
OVERDRIVE ONE-WAY CLUTCH
ASSEMBLY**

- 1. INSTALL OVERDRIVE ONE-WAY CLUTCH**

(a) Install the thrust washer to the overdrive planetary gear, the grooved side facing upward.



(b) Install the one-way clutch into the outer race the flanged side of the one-way clutch facing upward.



(c) Install the overdrive one-way clutch with the outer race to the overdrive planetary gear.