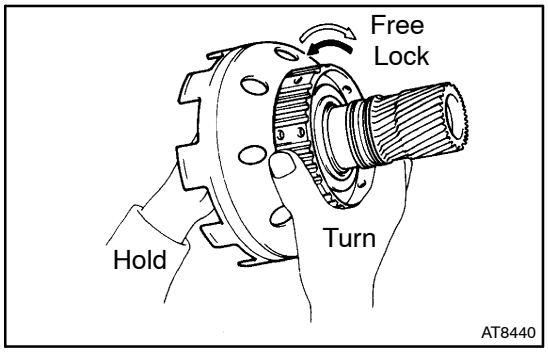
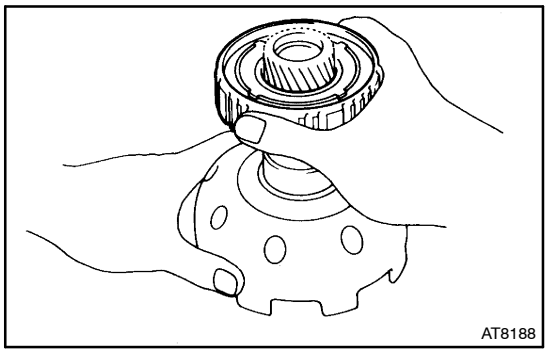
OVERHAUL



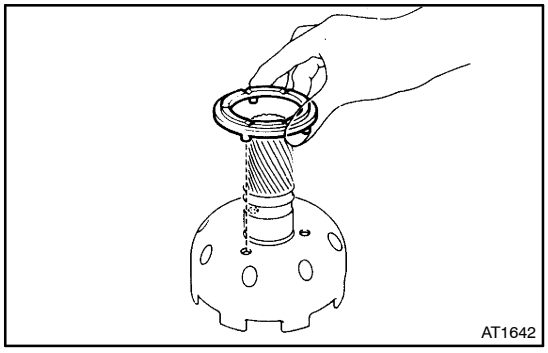
1. INSPECT 1 WAY CLUTCH ASSY

(a) Hold the planetary sun gear, and turn the 1 way clutch assy. Check that the 1 way clutch assy hub can be turned freely clockwise and locked counterclockwise.



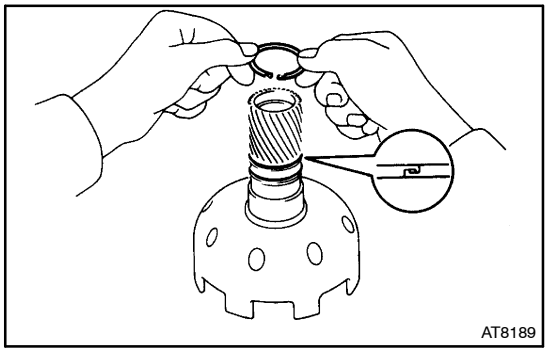
2. REMOVE 1 WAY CLUTCH ASSY

(a) Remove the 1 way clutch assy from the sun gear input drum.



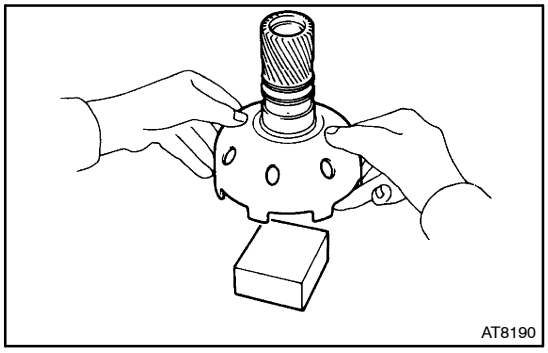
3. REMOVE 1 WAY CLUTCH THRUST WASHER NO.1

(a) Remove the 1 way clutch thrust washer from the sun gear input drum.



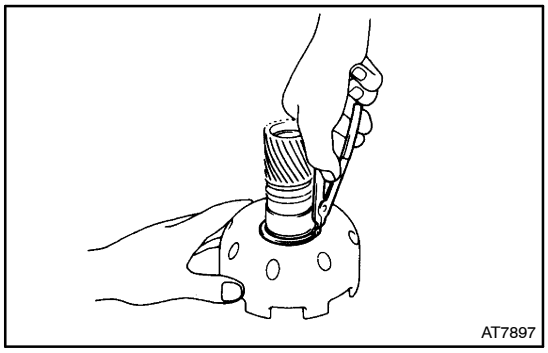
4. REMOVE SUN GEAR SHAFT OIL SEAL RING

(a) Remove the 2 oil seal rings from the sun gear input drum.



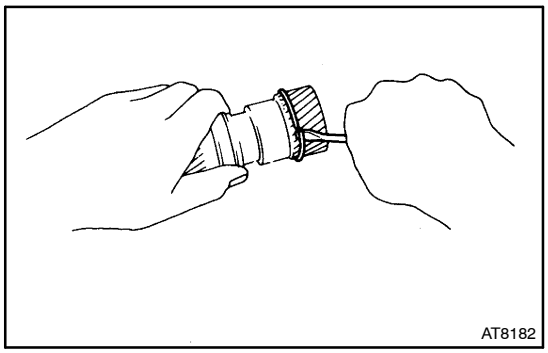
5. REMOVE SUN GEAR INPUT DRUM

(a) Use a wooden block or similar object as a work stand.



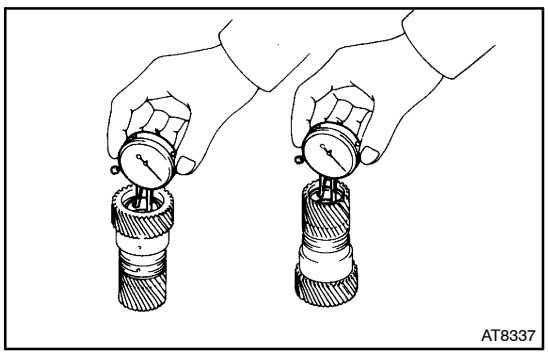
(b) Using snap ring pliers, remove the snap ring.

(c) Remove the sun gear input drum from the planetary sun gear.



6. REMOVE SUN GEAR INPUT DRUM SHAFT SNAP RING

(a) Using a screwdriver, remove the snap ring from the planetary sun gear.

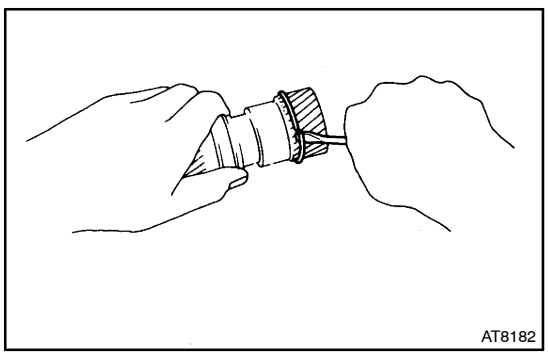


7. INSPECT PLANETARY SUN GEAR SUB–ASSY

(a) Using a dial indicator, measure the inside diameter of the planetary sun gear bushings.

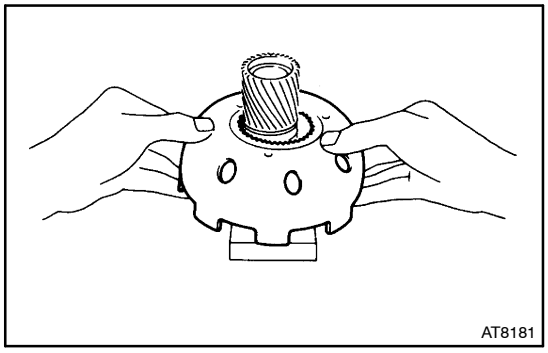
Maximum inside diameter: 27.08 mm (1.0661 in.)

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



8. INSTALL SUN GEAR INPUT DRUM SHAFT SNAP RING

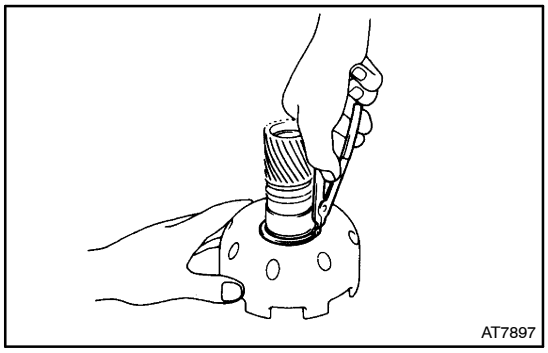
(a) Using a screwdriver, install the snap ring on the planetary sun gear.



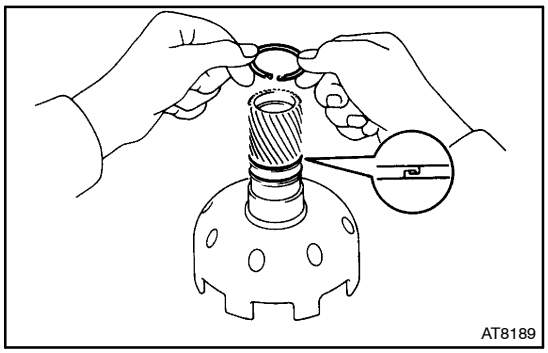
9. INSTALL SUN GEAR INPUT DRUM

(a) Place a wooden block or similar object as a work stand, and place the planetary sun gear onto it.

(b) Install the sun gear input drum onto the planetary sun gear.



(c) Using snap ring pliers, install the snap ring.



10. INSTALL SUN GEAR SHAFT OIL SEAL RING

(a) Coat the 2 oil seal rings with ATF.

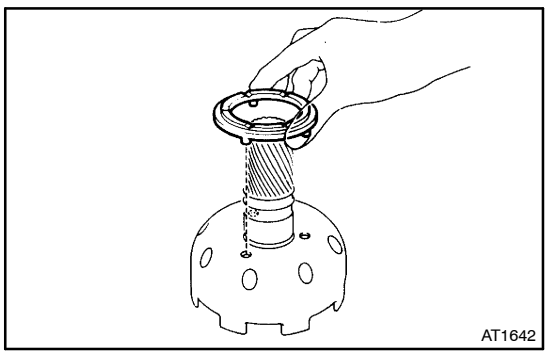
(b) Install the 2 oil seal rings onto the planetary sun gear.

NOTICE:

Do not over–spread the ring ends.

HINT:

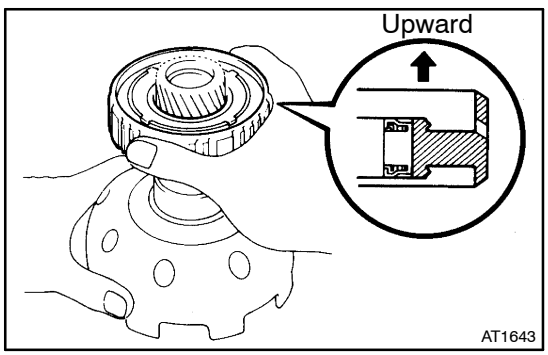
After installing the oil seal rings, check that they rotate smoothly.



11. INSTALL 1 WAY CLUTCH THRUST WASHER NO.1

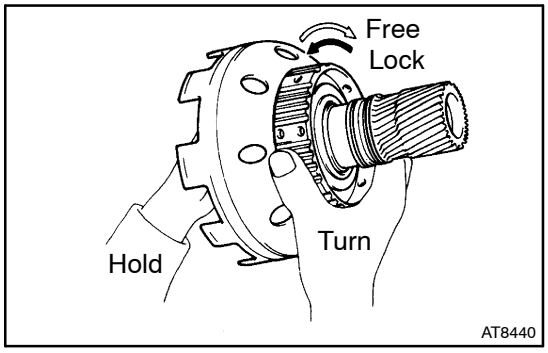
HINT:

Make sure that the lug shapes fit into the holes in the sun gear input drum.



12. INSTALL 1 WAY CLUTCH ASSY

(a) Install the 1 way clutch assy.



13. INSPECT 1 WAY CLUTCH ASSY

(a) Hold the planetary sun gear, and turn the 1 way clutch assy Check that the 1 way clutch assy hub can be turned freely clockwise and locked counterclockwise.