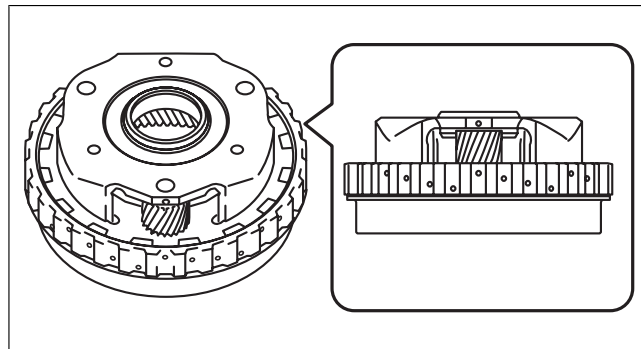


REDUCTION PLANETARY GEAR INSPECTION

id051700662200

Radial Needle Bearing Inspection (In Pinion Gear)

1. Place the reduction planetary gear with the rear internal gear side pointing downward on a workbench.

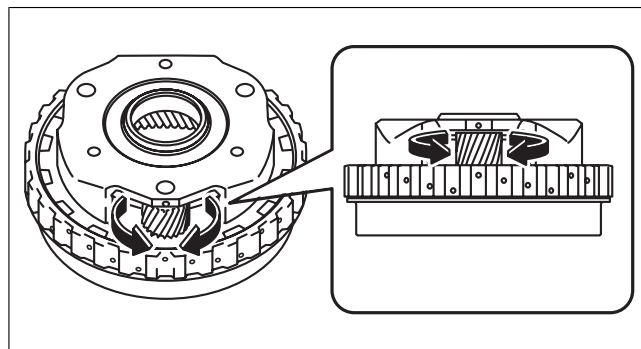


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2. Rotate the pinion gears by hand and verify that there is no malfunction in the radial needle bearing in the pinion gear (rotation sticking).

Caution

- **Verify for all the pinion gears.**
- If there is a malfunction, disassemble the reduction planetary gear and replace the reduction planetary carrier with a new one. (See REDUCTION PLANETARY GEAR DISASSEMBLY.) (See REDUCTION PLANETARY GEAR ASSEMBLY.)



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Pinion Washer Inspection

Pinion washer visual inspection

1. Visually verify that all of the following washers are between the pinion gear and planetary carrier for one pinion gear.

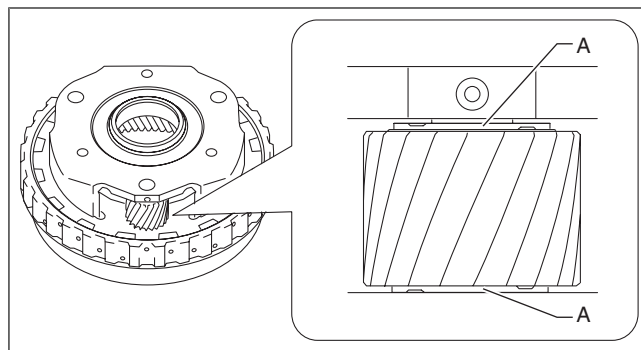
Caution

- **Verify for all the pinion gears.**

— Copper washer: 2

A : Copper washer

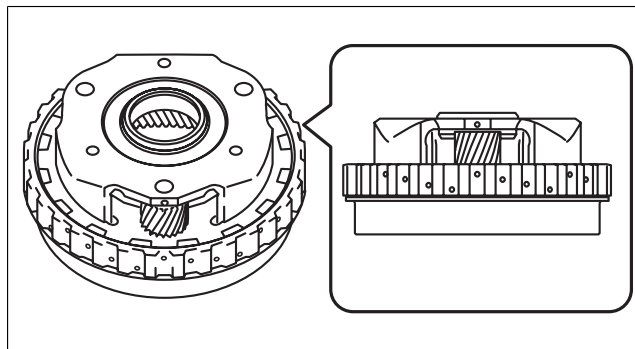
- Even if one of the washers are damaged, disassemble the reduction planetary gear and replace the reduction planetary carrier with a new one. (See REDUCTION PLANETARY GEAR DISASSEMBLY.) (See REDUCTION PLANETARY GEAR ASSEMBLY.)



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Pinion washer wear inspection

1. Place the reduction planetary gear with the rear internal gear side pointing downward on a workbench.



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2. Measure the gap between the pinion washer and planetary carrier.

Caution

- Measure for all the pinion gears.

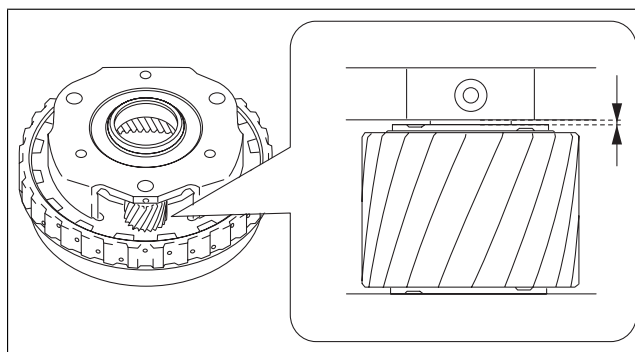
Note

- Recommended measuring instrument: Thickness gauge

Maximum:

0.820 mm {0.0322 in}

- If it is more than the maximum specification, disassemble the reduction planetary gear and replace the reduction planetary carrier with a new one.
(See REDUCTION PLANETARY GEAR DISASSEMBLY.)
(See REDUCTION PLANETARY GEAR ASSEMBLY.)



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Bush Inner Diameter Inspection

1. Measure the inner diameter of the bush shown in the figure.

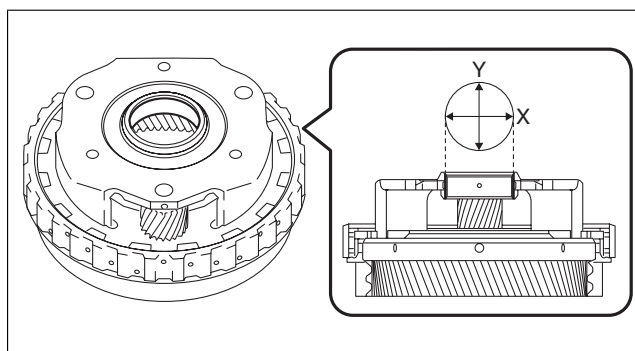
Note

- When measuring, measure near the center of the bush avoiding the oil groove, and then calculate the average value of the X and Y directions as shown in the figure.
- Recommended measuring instrument: Cylinder gauge or caliper gauge

Maximum:

35.095 mm {1.3816 in}

- If it is more than the maximum specification, disassemble the reduction planetary gear and replace the reduction planetary carrier with a new one.
(See REDUCTION PLANETARY GEAR DISASSEMBLY.)
(See REDUCTION PLANETARY GEAR ASSEMBLY.)



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