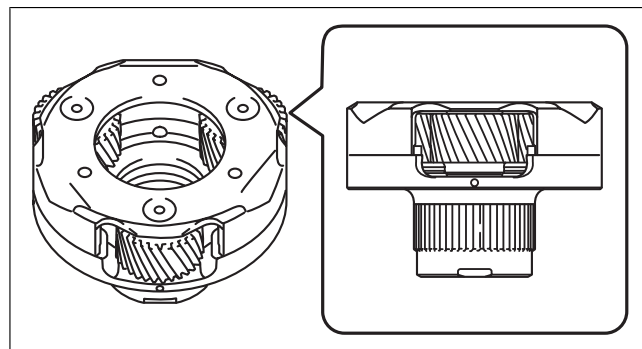


FRONT PLANETARY GEAR INSPECTION

id051700662000

Radial Needle Bearing Inspection (In Pinion Gear)

1. Place the front planetary gear on a workbench as shown in the figure.

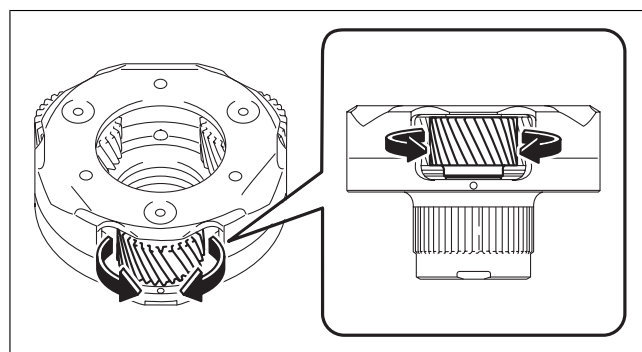


azzjjw00001259

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

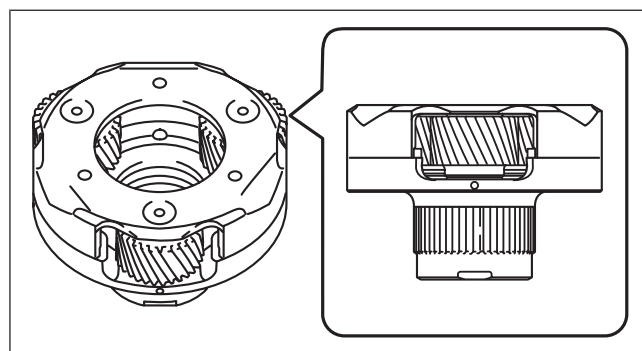
- **Verify for all the pinion gears.**
- If there is a malfunction, replace the front planetary gear with a new one.



azzjjw00001277

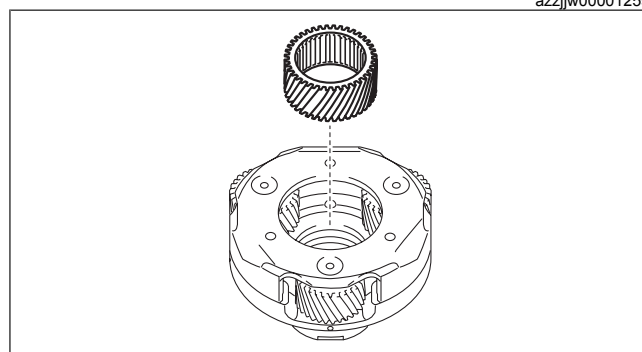
Thrust Needle Bearing Inspection

1. Place the front planetary gear on a workbench as shown in the figure.

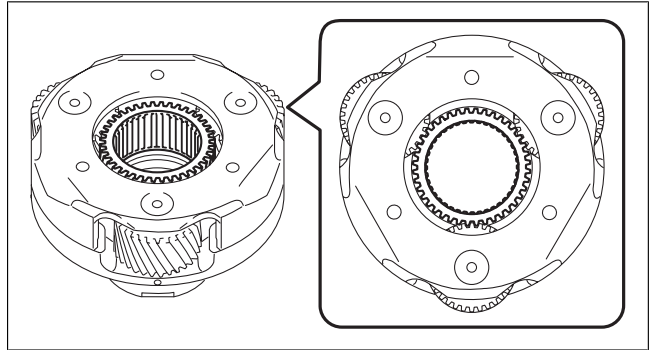


azzjjw00001259

2. Assemble the front sun gear to the front planetary gear.

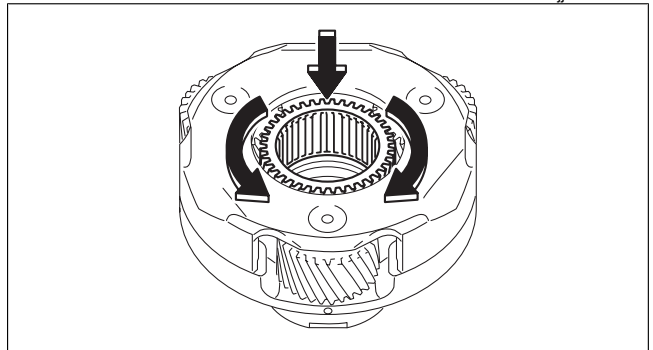


azzjjw00001261



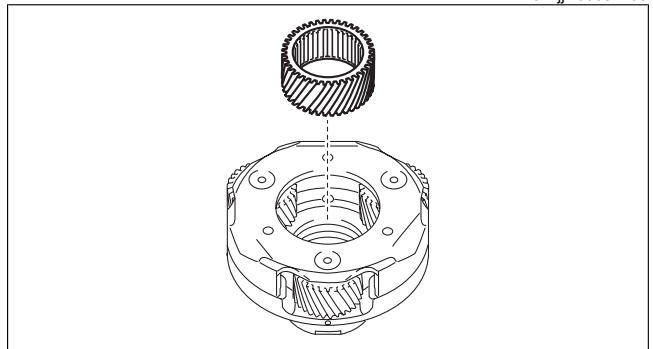
azzjiw00001262

3. With a load applied by hand to the front sun gear, rotate the front sun gear and verify that there is no malfunction in the thrust needle bearing (rotation sticking).
 - If there is a malfunction, replace the front planetary gear with a new one.



azzjiw00001263

4. Remove the front sun gear.



azzjiw00001261

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

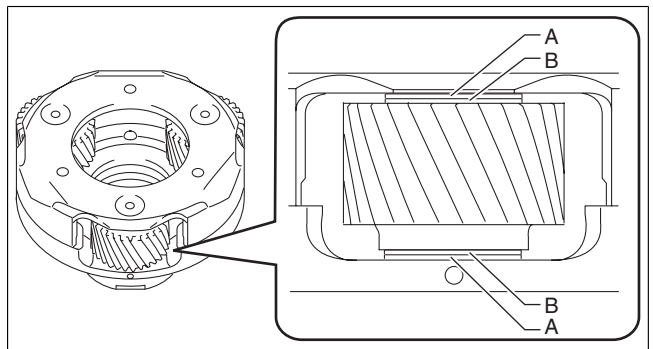
- **Verify for all the pinion gears.**

- Copper washer (outer side): 2
- Iron washer (inner side): 2

A : Copper washer (outer side)

B : Iron washer (inner side)

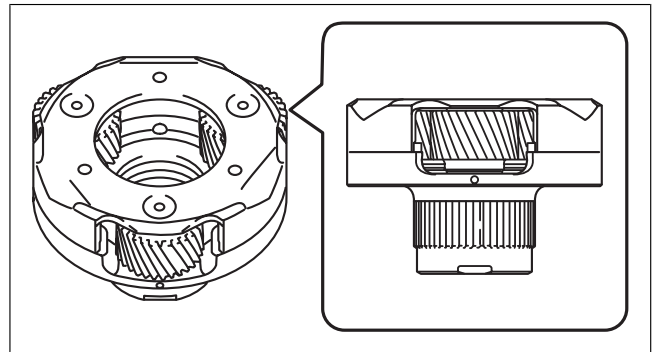
- Even if one of the washers is damaged, replace the front planetary gear with a new one.



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Pinion washer wear inspection

1. Place the front planetary gear on a workbench as shown in the figure.



azzjw00001259

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

Caution

- Measure for all the pinion gears.

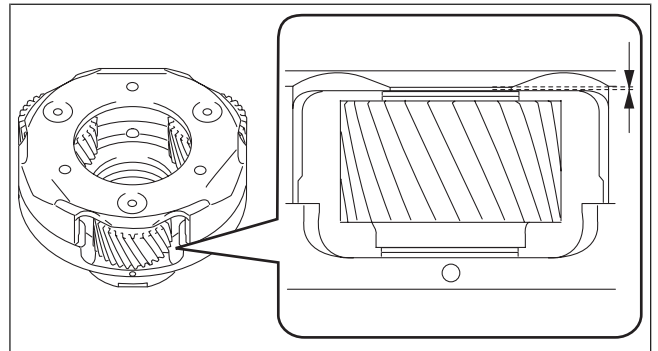
Note

- Recommended measuring instrument: Thickness gauge

Maximum:

0.879 mm {0.0346 in}

- If it is more than the maximum specification, replace the front planetary gear with a new one.



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