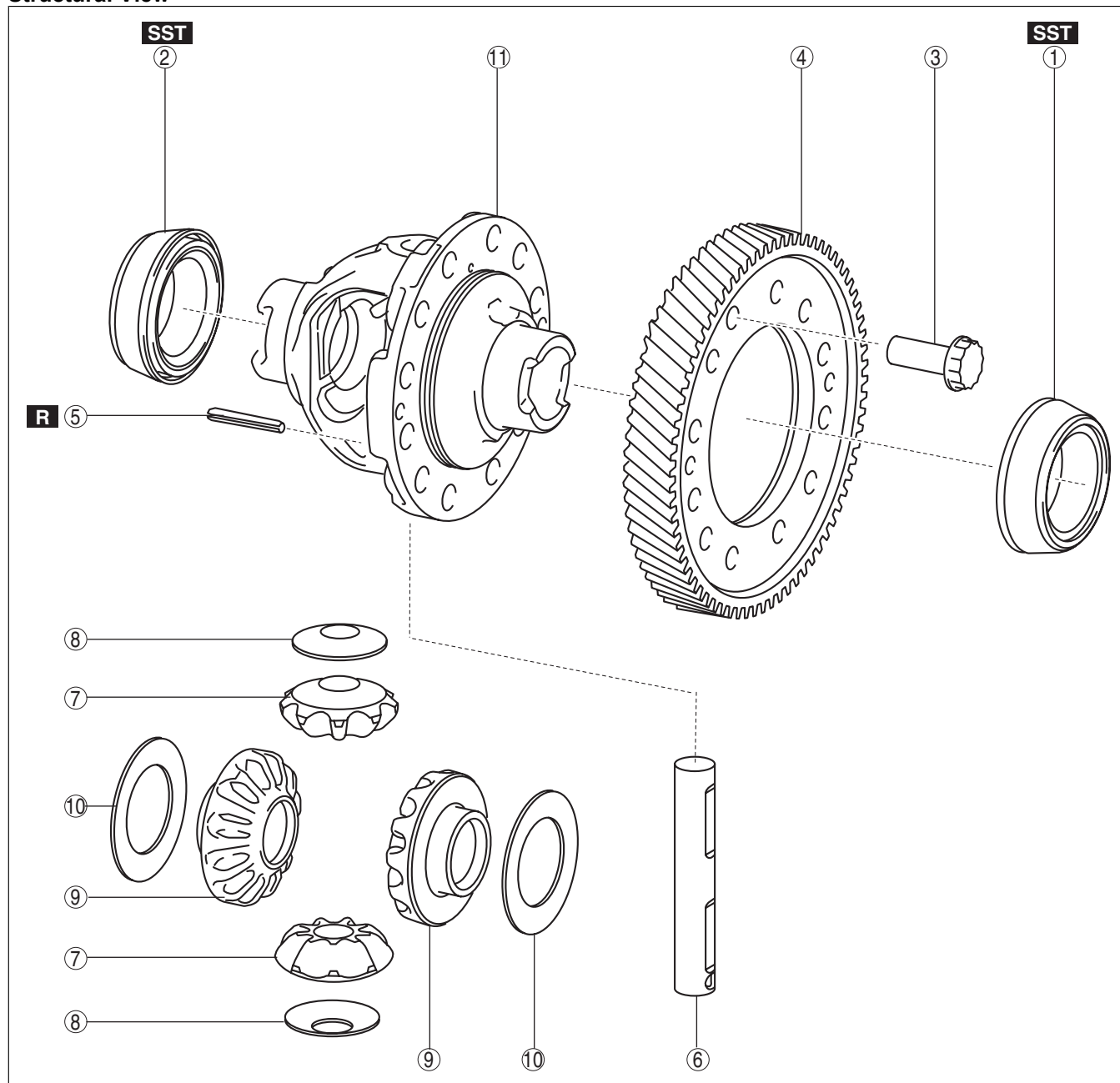


## RING GEAR AND DIFFERENTIAL DISASSEMBLY

id051700661100

### Structural View



bgw3ja00000207

1	Tapered roller bearing (transaxle case side)
2	Tapered roller bearing (converter housing side)
3	12 bolts
4	Ring gear
5	Roll pin
6	Pinion shaft

7	Pinion gear
8	Thrust washer
9	Side gear
10	Thrust washer
11	Differential gear case

### Disassembly Procedure

1. Perform the following inspection:

#### Caution

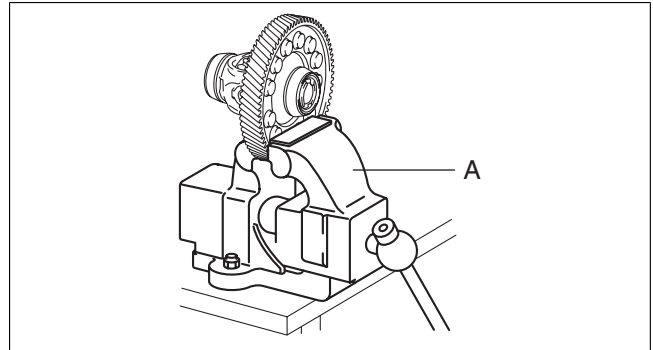
- If there is no malfunction based on the results of the inspection, it is not necessary to disassemble the ring gear and differential.
- Visual inspection of parts (See VISUAL INSPECTION OF PARTS)
- Ring gear and differential inspection (See RING GEAR AND DIFFERENTIAL INSPECTION)

- If there is a malfunction, disassemble the ring gear and differential and replace the malfunctioning part with a new part.
2. Remove the tapered roller bearing (transaxle case side) using the following procedure:
- (1) Secure the ring gear and differential in a vise.

**Caution**

- Insert a protective plate between the vise and the part so as not to damage the part.

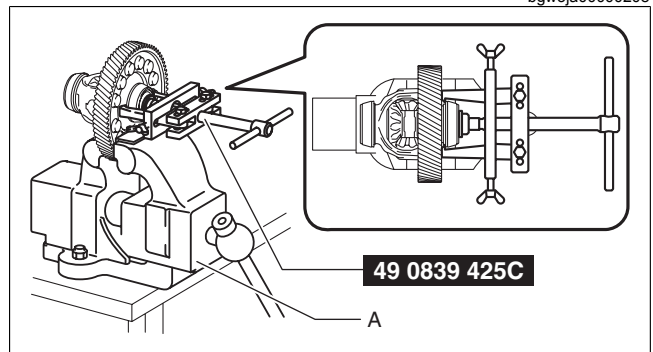
A : Vise



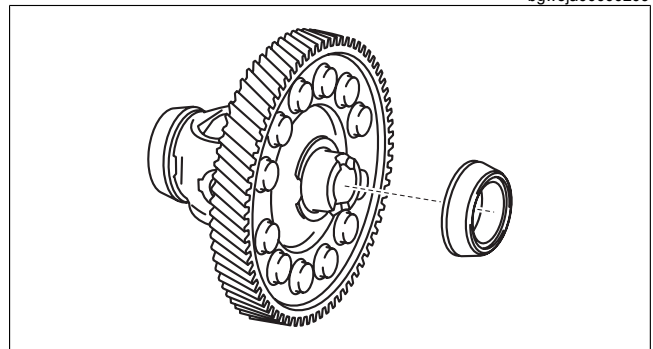
bgw3ja00000208

- (2) Remove the tapered roller bearing (transaxle case side) using the SST.

A : Vise



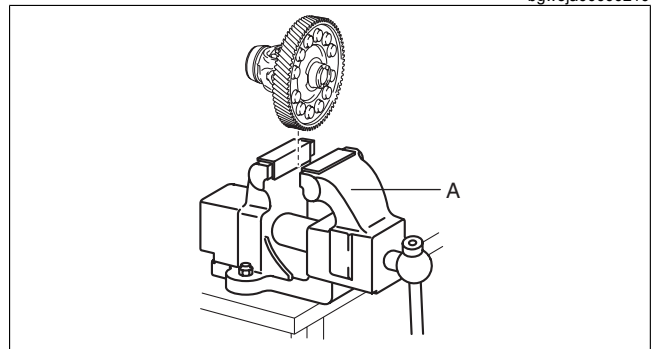
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bgw3ja00000210

- (3) Remove the ring gear and differential from the vise.

A : Vise



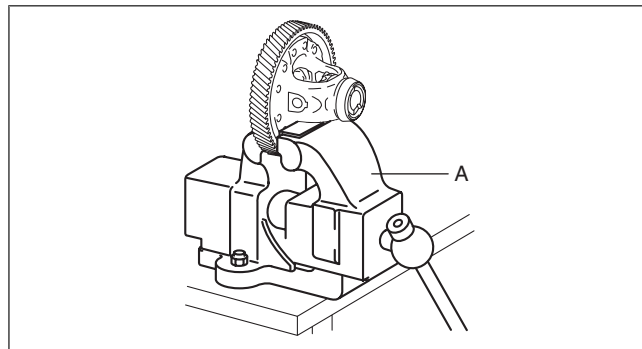
bgw3ja00000211

3. Remove the tapered roller bearing (converter housing side) using the following procedure:
- (1) Secure the ring gear and differential in a vise.

**Caution**

- Insert a protective plate between the vise and the part so as not to damage the part.

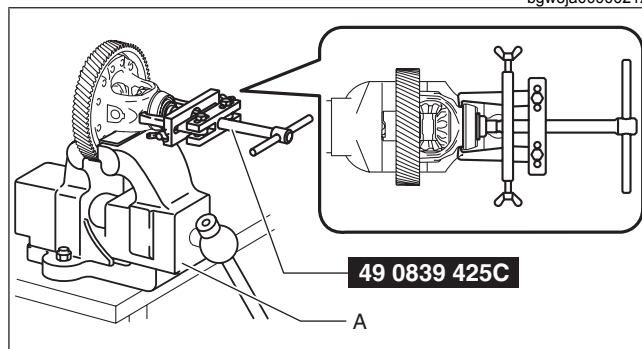
A : Vise



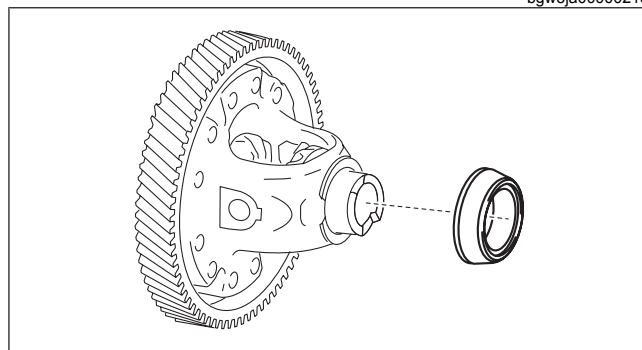
bgw3ja00000212

- (2) Remove the tapered roller bearing (converter housing side) using the SST.

A : Vise



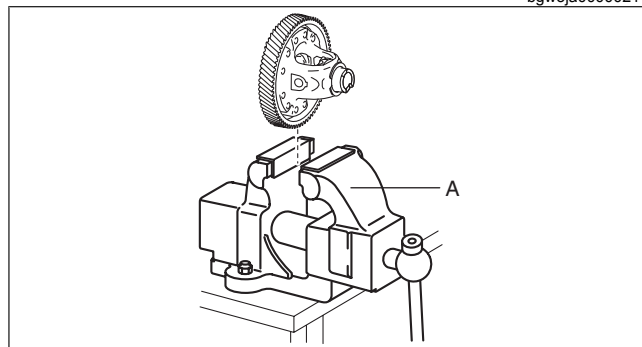
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bgw3ja00000214

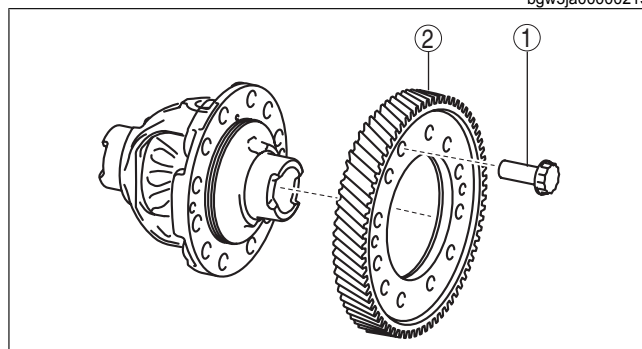
- (3) Remove the ring gear and differential from the vise.

A : Vise



bgw3ja00000215

4. Remove the ring gear using the following procedure:



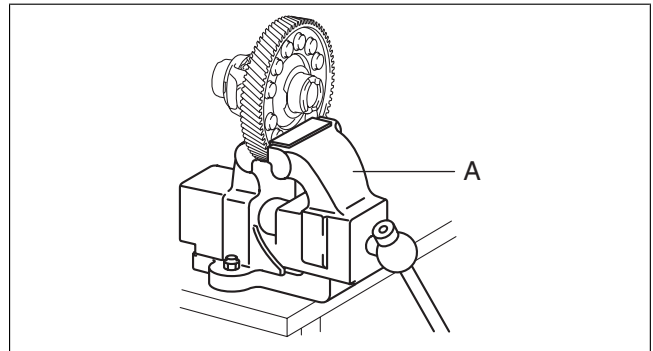
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- (1) Secure the ring gear and differential in a vise.

### Caution

- Insert a protective plate between the vise and the part so as not to damage the part.

A : Vise



bgw3ja00000217

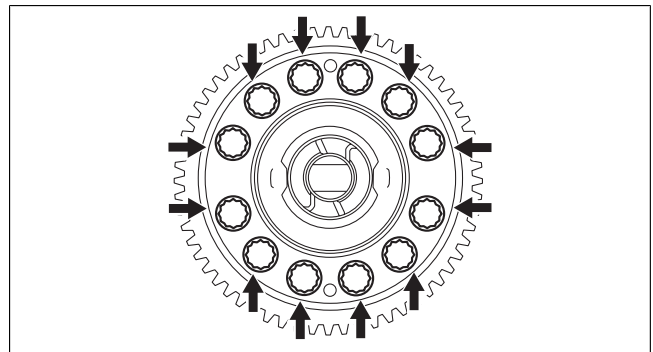
(2) Loosen the bolts shown in the figure.

### Caution

- If the bolts are removed, the differential may separate from the ring gear and fall off. Only loosen the bolts but do not remove them.

### Note

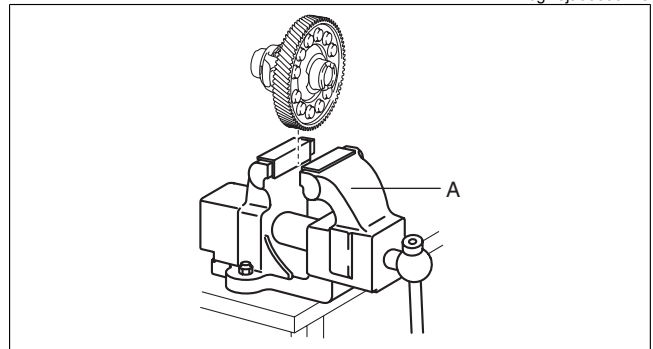
- Change the securing position of the ring gear and differential with the vise and loosen all of the bolts shown in the figure.



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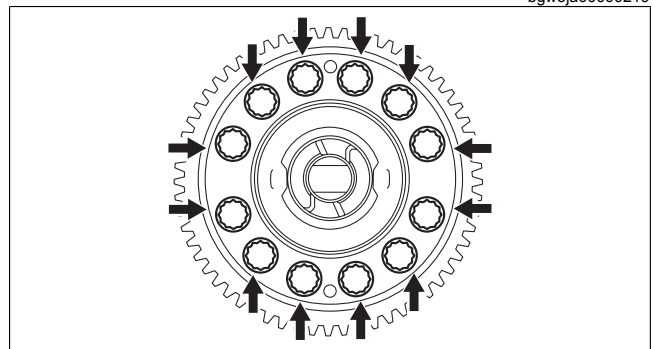
(3) Remove the ring gear and differential from the vise.

A : Vise



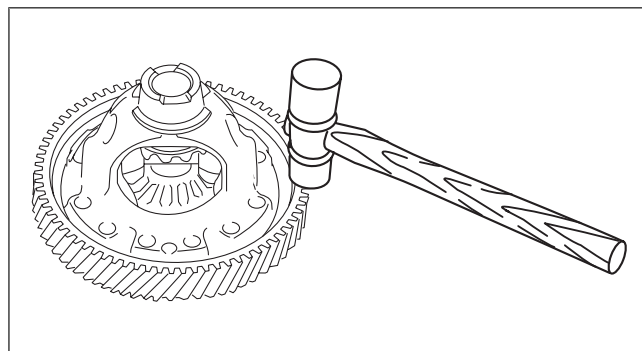
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(4) Remove the bolts shown in the figure.



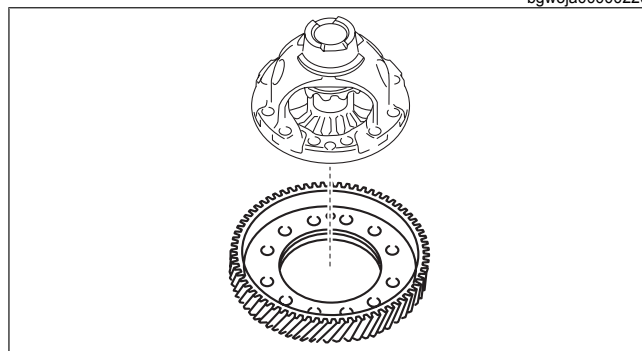
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- (5) Lightly tap the ring gear with a plastic hammer and remove the ring gear.



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1	12 bolts
2	Ring gear

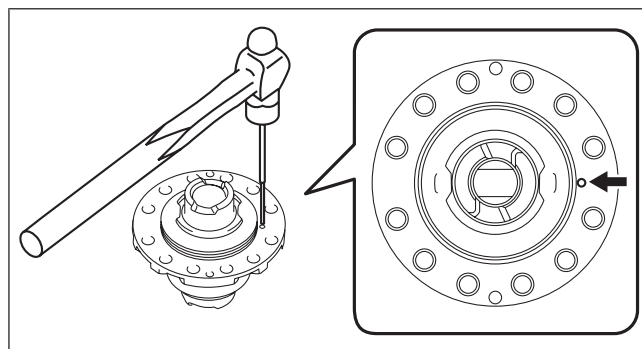


bgw3ja00000221

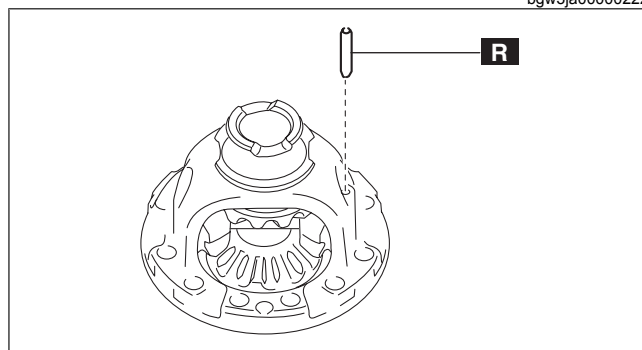
5. Remove the roll pin shown in the figure using a pin punch.

**Note**

- Use a pin punch with an end outer diameter of 3 mm {0.119 in} or more, and within 4 mm {0.157 in} and an end length of 60 mm {2.4 in} or more.

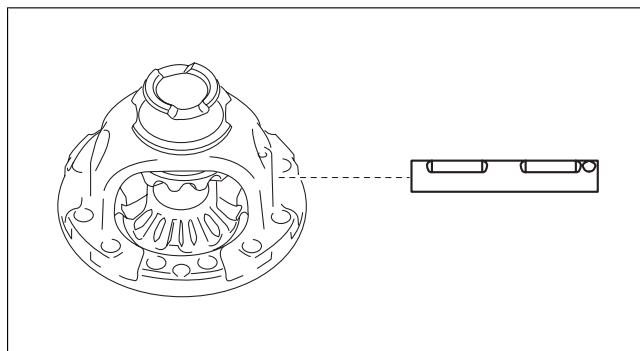


bgw3ja00000222



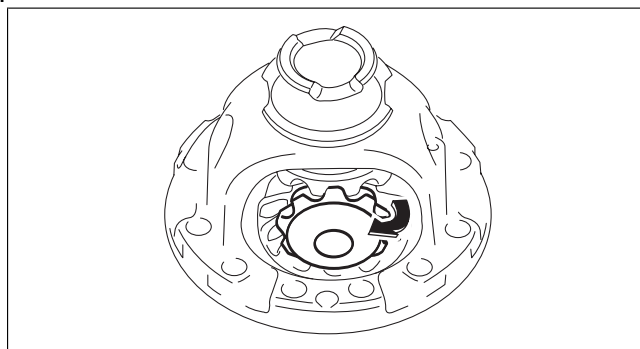
bgw3ja00000223

6. Remove the pinion shaft.



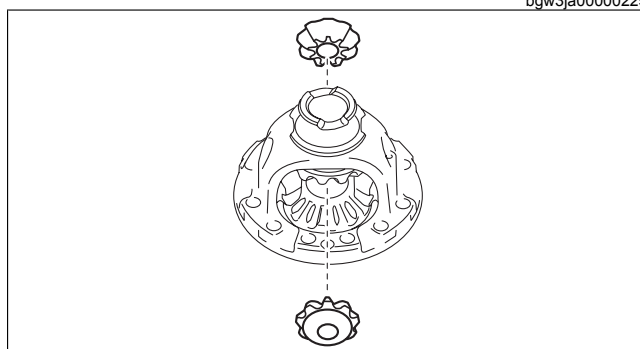
bgw3ja00000224

7. Remove the pinion gears using the following procedure:  
(1) Rotate the pinion gears as shown in the figure.



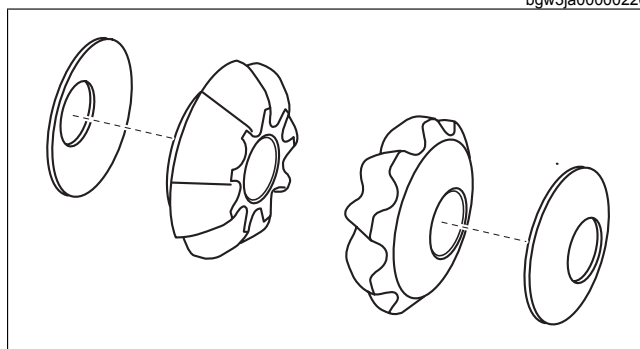
bgw3ja00000225

- (2) Remove the pinion gears.



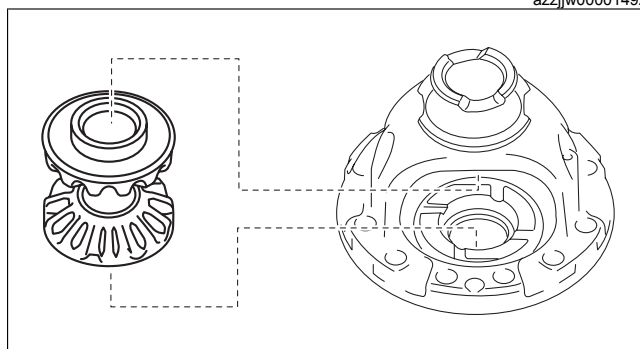
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8. Remove the thrust washers from the pinion gears.



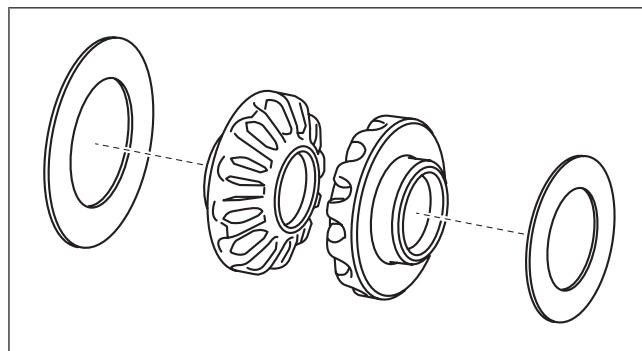
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9. Remove the side gears.



bgw3ja00000227

- 
10. Remove the thrust washers from the side gears.
  11. Clean the disassembled parts. (See AUTOMATIC TRANSAXLE CLEANING.)



azzjjw00001494