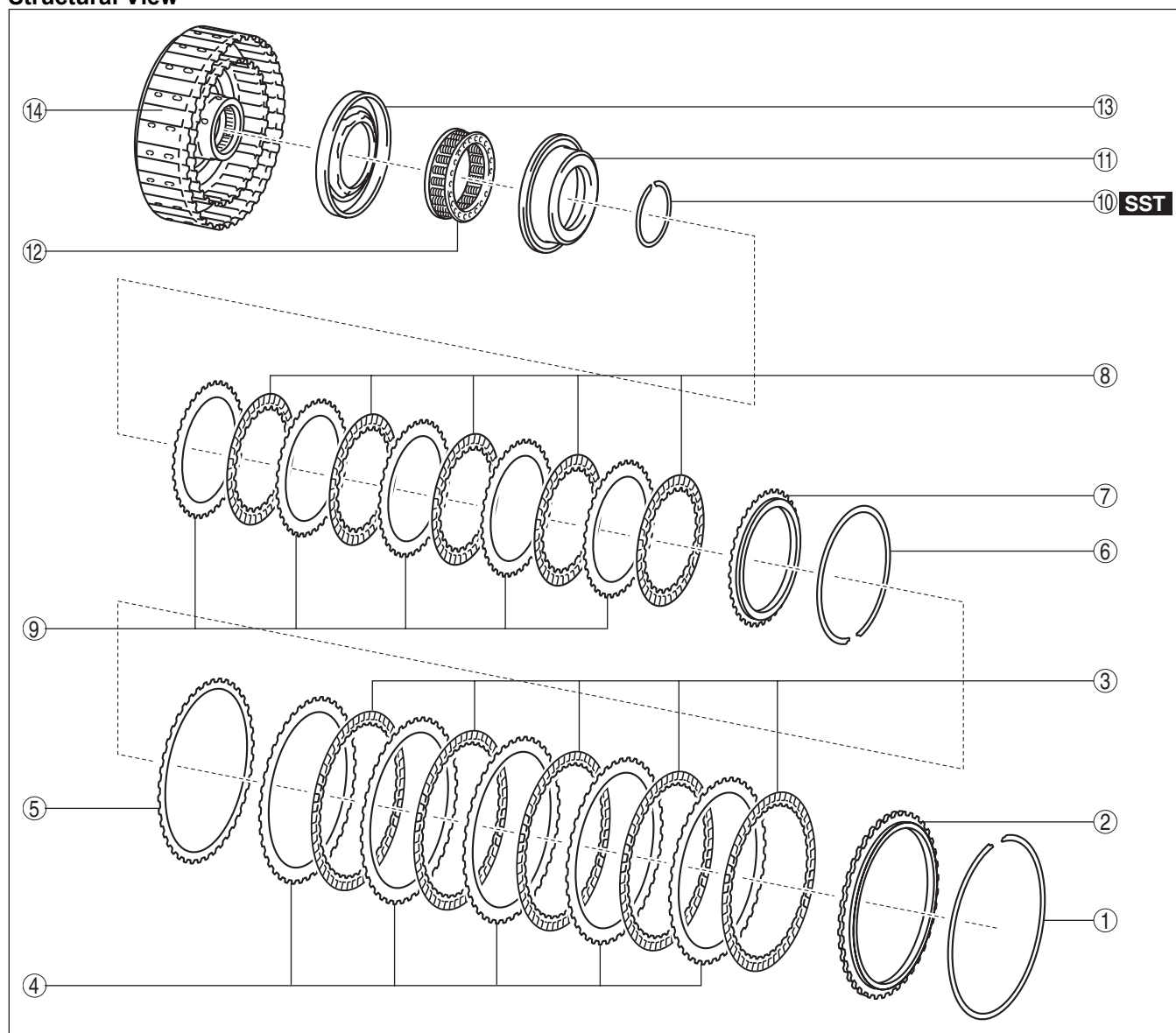


CLUTCH COMPONENT DISASSEMBLY

id051700660700

Structural View



1	Snap ring
2	Retaining plate
3	Drive plate
4	Driven plate
5	Wave spring
6	Snap ring
7	Retaining plate
8	Drive plate

9	Driven plate
10	Snap ring
11	Seal plate
12	Springs and retainer component
13	High clutch piston
14	High clutch drum component

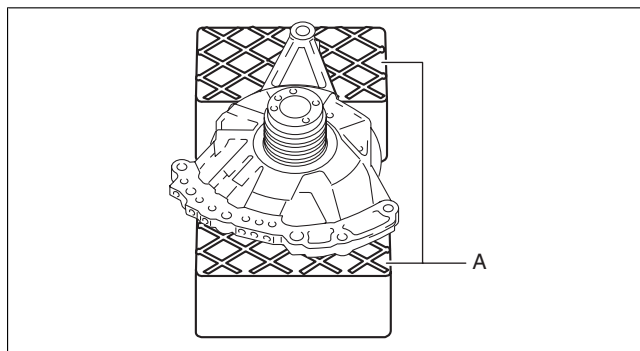
Disassembly Procedure

- Perform a simple inspection of the low clutch and high clutch using the following procedure:
 - (1) Set the oil pump on the workbench as shown in the figure.

Note

- Using the rubber plates, adjust the alignment surface of the oil pump with the transaxle case so that it is level.

A : Rubber plate

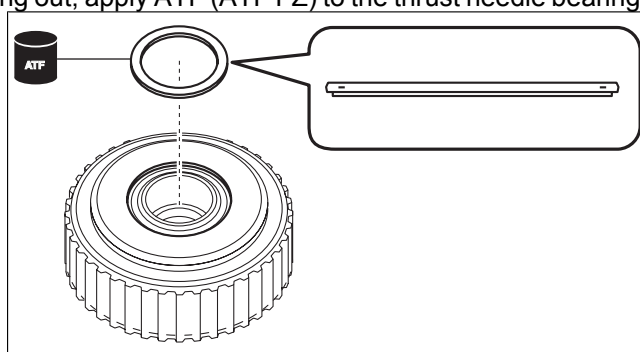


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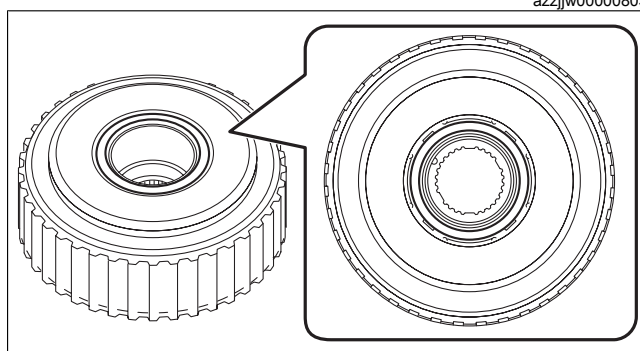
(2) Assemble the thrust needle bearing to the clutch component using the following procedure:

Note

- Thrust needle bearing size: Outer diameter approx. 76.7 mm {3.02 in}
- 1) To prevent the thrust needle bearing from dropping out, apply ATF (ATF FZ) to the thrust needle bearing.
 - 2) Assemble the thrust needle bearing.

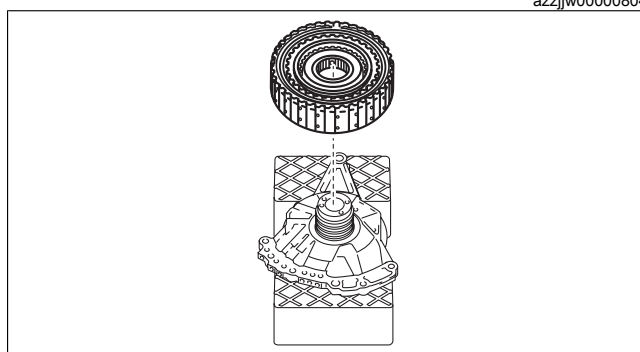


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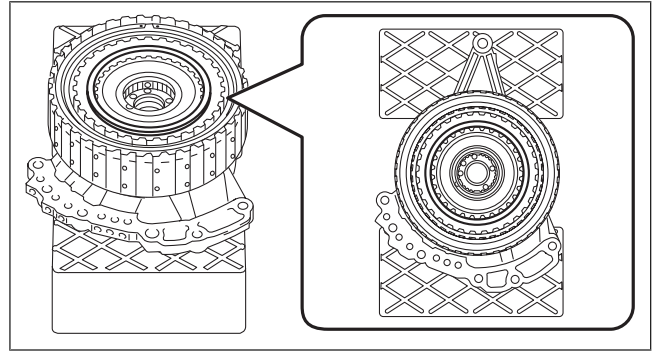


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(3) Assemble the parts assembled together in Step (2) to the oil pump.



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- (4) Blow compressed air into the oil passage shown in the figure and verify the operation condition of the low clutch.

Warning

- Always wear protective eye wear when using the air compressor. Otherwise, ATF or dirt particles blown off by the air compressor could get into the eyes.

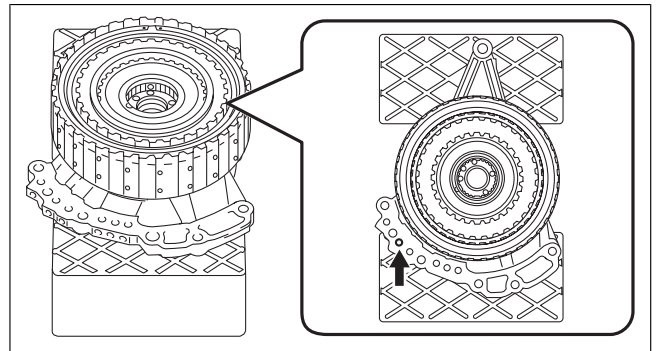
Caution

- To prevent damage to parts, always use an air compressor which is adjusted to the indicated pressure.

Compressed air pressure

0.39—0.44 MPa {4.0—4.4 kgf/cm², 57—63 psi}

- If there is a malfunction, verify the cause and repair the applicable part after disassembly.



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- (5) Blow compressed air into the oil passage shown in the figure and verify the operation condition of the high clutch.

Warning

- Always wear protective eye wear when using the air compressor. Otherwise, ATF or dirt particles blown off by the air compressor could get into the eyes.

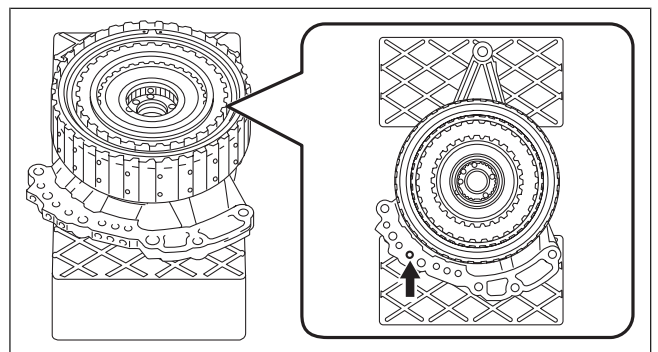
Caution

- To prevent damage to parts, always use an air compressor which is adjusted to the indicated pressure.

Compressed air pressure

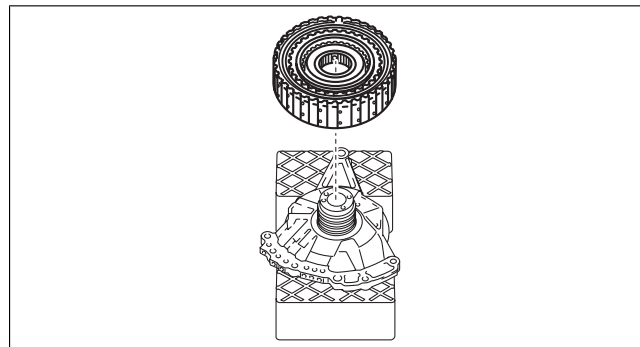
0.39—0.44 MPa {4.0—4.4 kgf/cm², 57—63 psi}

- If there is a malfunction, verify the cause and repair the applicable part after disassembly.



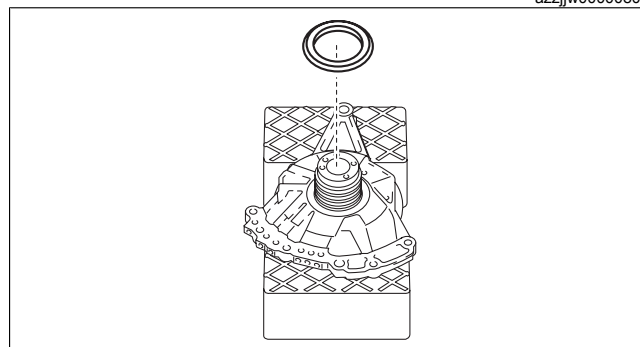
azzjw00000808

(6) Remove the clutch component.



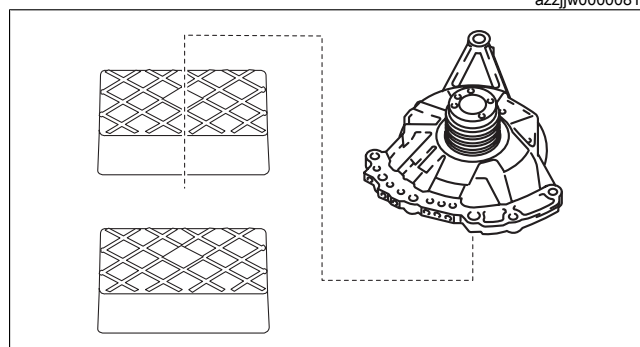
azzjiw00000809

(7) Remove the thrust needle bearing.



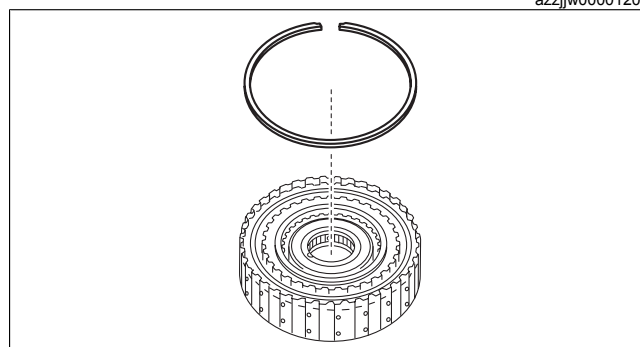
azzjiw00000810

(8) Take the oil pump off the rubber plates.



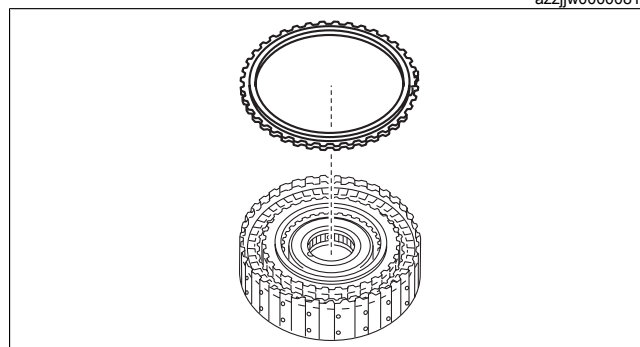
azzjiw00001202

2. Remove the snap ring.



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3. Remove the retaining plate.

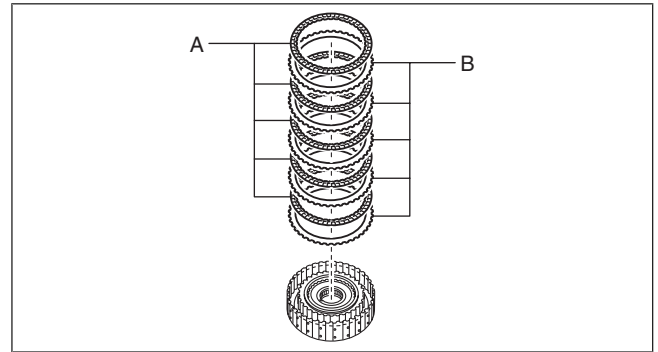


azzjiw00000813

4. Remove the drive plates and driven plates.

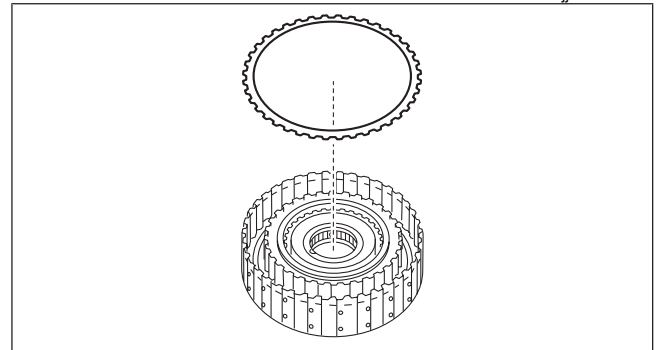
A : Drive plate

B : Driven plate



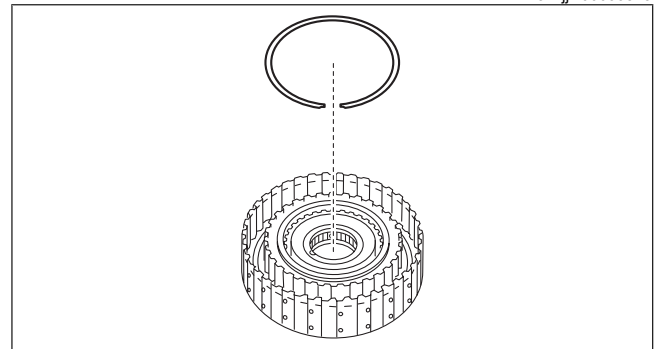
azzjjw00000814

5. Remove the wave spring.



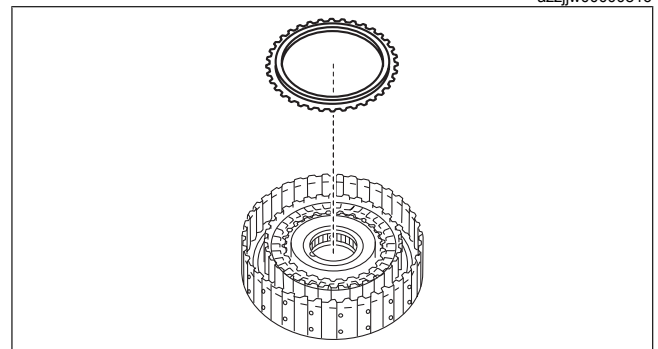
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6. Remove the snap ring.



azzjjw00000816

7. Remove the retaining plate.

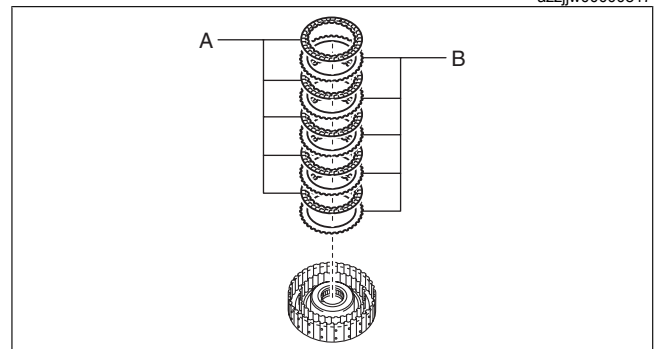


azzjjw00000817

8. Remove the drive plates and driven plates.

A : Drive plate

B : Driven plate



azzjjw00000818

9. Remove the snap ring using the following procedure:
(1) Install the SSTs.

Note

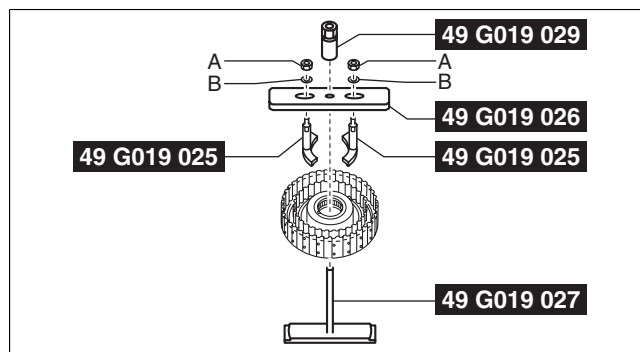
- When installing the SST (49 G019 025) to the SST (49 G019 026), use the nuts included with the SST (49 G019 025), or M8×1.25 nuts.

A : Nut included with SST (49 G019 025), or M8×1.25 nut

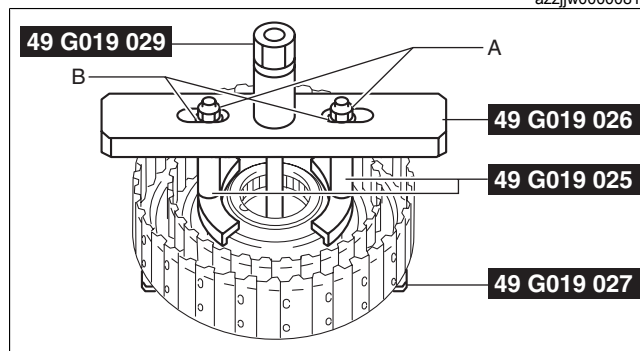
B : Washer

A : Nut included with SST (49 G019 025), or M8×1.25 nut

B : Washer



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azzjiw00000820

- (2) Tighten the SST (49 G019 029) until there is no longer any spring force from the springs and retainer component applied to the snap ring.

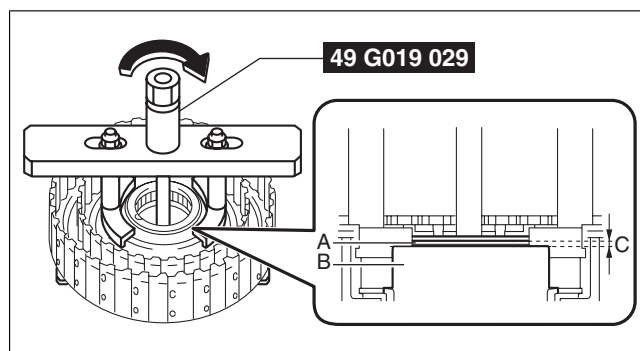
Caution

- If the SST (49 G019 029) is tightened with excessive force, surrounding parts could be damaged. Stop tightening if a gap appears between the snap ring and seal plate.

A : Snap ring

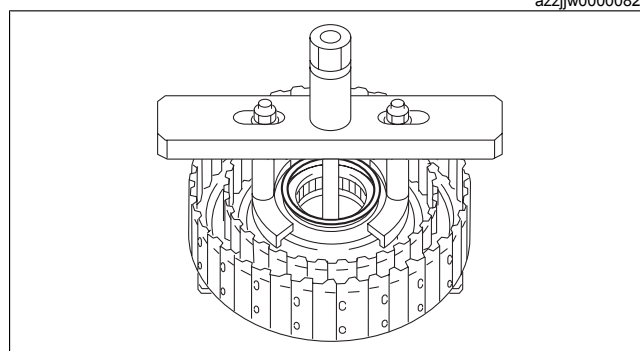
B : Seal plate

C : Gap



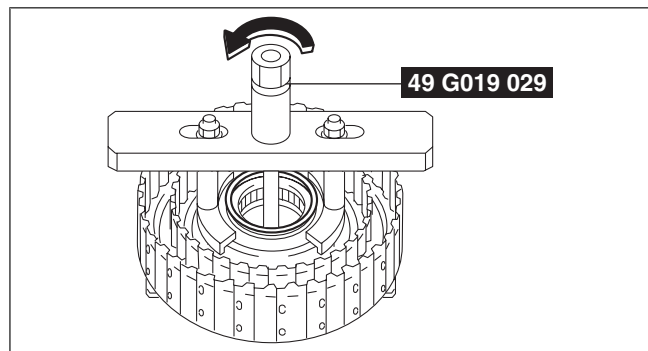
azzjiw00000821

- (3) Remove the snap ring from the snap ring groove.



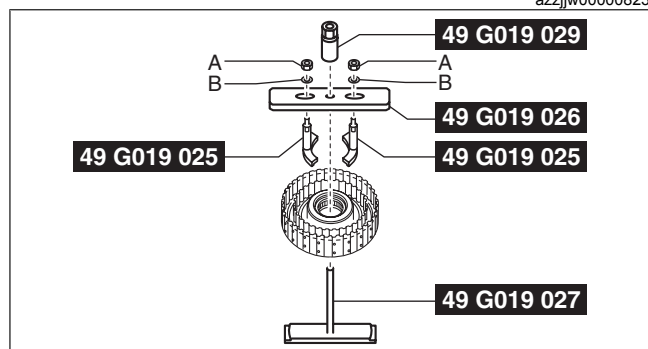
azzjiw00000822

- (4) Loosen the SST (49 G019 029) and remove the SSTs.



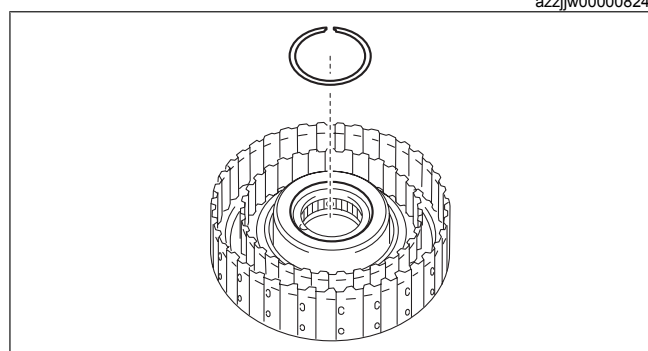
azzjjw00000823

- A : Nut included with SST (49 G019 025), or M8×1.25 nut
B : Washer



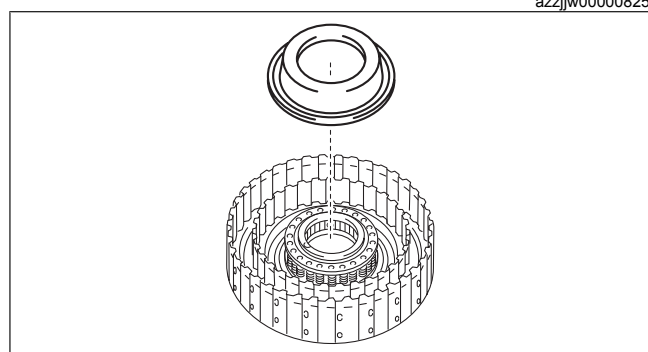
azzjjw00000824

- (5) Remove the snap ring removed from the snap ring groove.



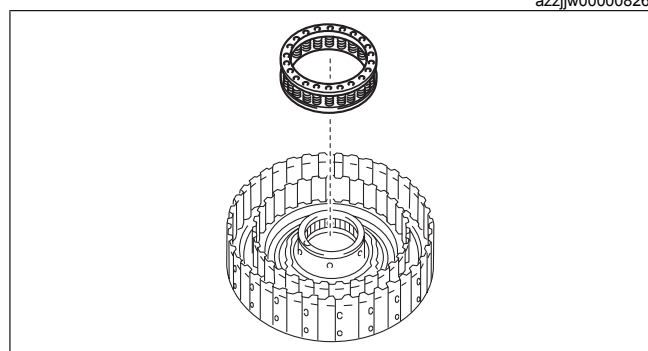
azzjjw00000825

10. Remove the seal plate.



azzjjw00000826

11. Remove the springs and retainer component.



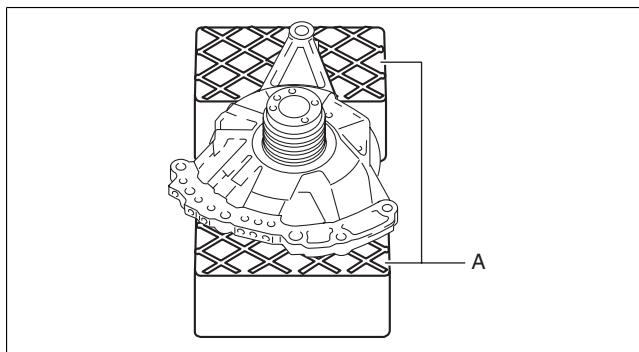
azzjjw00000827

12. Remove the high clutch piston using the following procedure:
(1) Set the oil pump on the workbench as shown in the figure.

Note

- Using the rubber plates, adjust the alignment surface of the oil pump with the transaxle case so that it is level.

A : Rubber plate

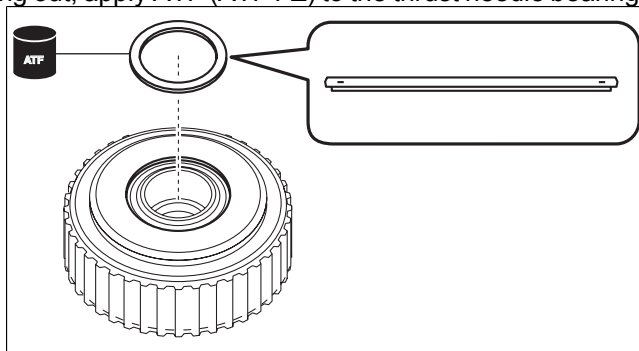


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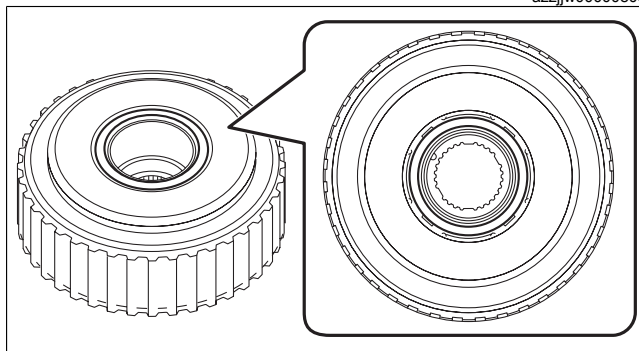
(2) Assemble the thrust needle bearing to the high clutch drum component using the following procedure:

Note

- Thrust needle bearing size: Outer diameter approx. 76.7 mm {3.02 in}
- To prevent the thrust needle bearing from dropping out, apply ATF (ATF FZ) to the thrust needle bearing.
 - Assemble the thrust needle bearing.

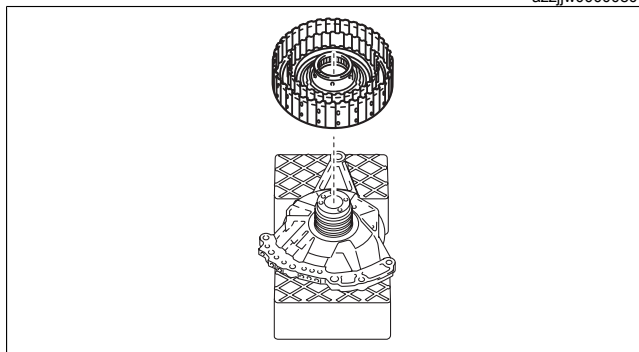


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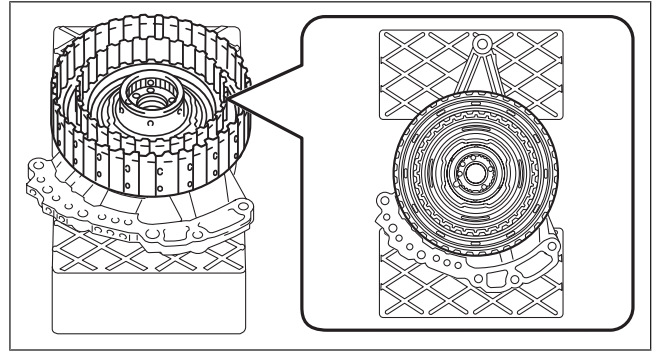


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(3) Assemble the parts assembled together in Step (2) to the oil pump.



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azzjjw00000829

(4) Blow compressed air into the oil passage shown in the figure.

Warning

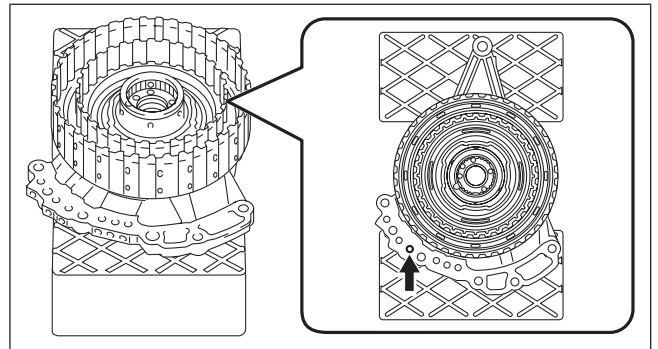
- Always wear protective eye wear when using the air compressor. Otherwise, ATF or dirt particles blown off by the air compressor could get into the eyes.

Caution

- To prevent damage to parts, always use an air compressor which is adjusted to the indicated pressure.

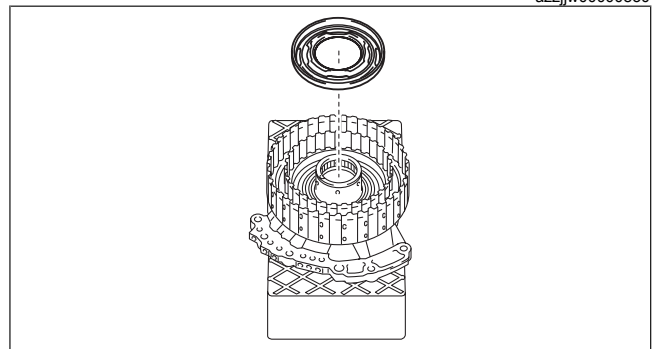
Compressed air pressure

0.39—0.44 MPa {4.0—4.4 kgf/cm², 57—63 psi}



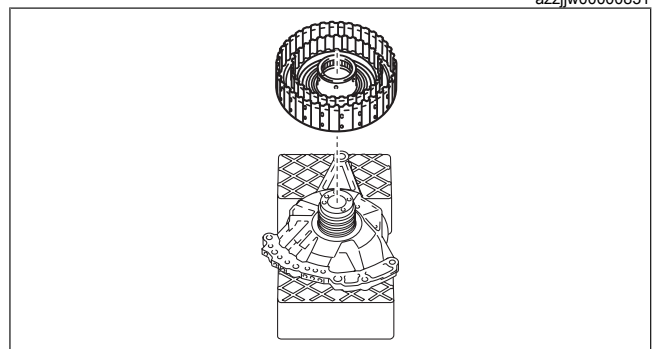
azzjjw00000830

(5) Remove the high clutch piston removed from the high clutch drum component.



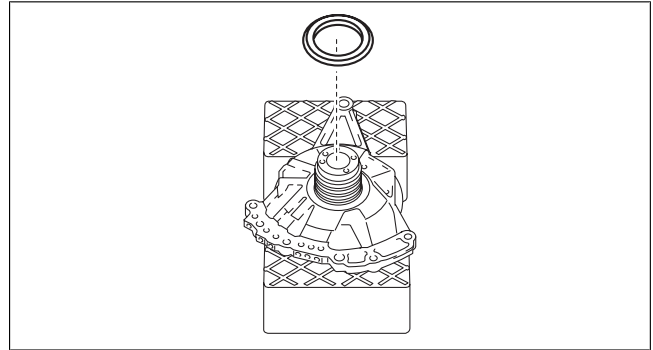
azzjjw00000831

(6) Remove the high clutch drum component.



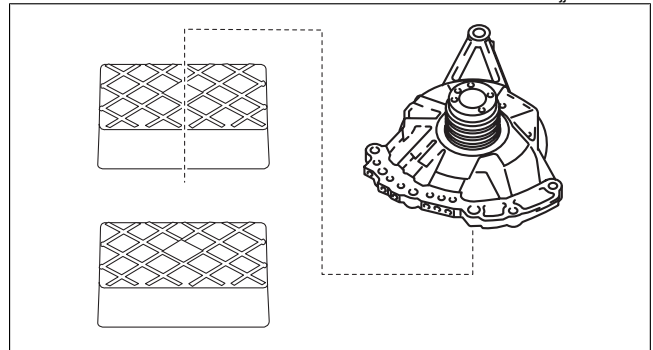
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(7) Remove the thrust needle bearing.



azzjiw00000810

- (8) Take the oil pump off the rubber plates.
13. Clean the disassembled parts. (See AUTOMATIC TRANSAXLE CLEANING.)
14. Perform the following inspection and replace a malfunctioning part with a new one.
- Visual inspection of parts (See VISUAL INSPECTION OF PARTS)
 - Low clutch inspection (See LOW CLUTCH INSPECTION)
 - High clutch inspection (See HIGH CLUTCH INSPECTION)



azzjiw00001202