

PARTS & SERVICE NEWS

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SUBJECT: IMPROVED TORQUE CONVERTER STATOR BUSHING

PURPOSE: To introduce improved torque converter stator bushings

APPLICATION: HD465-7 Dump Trucks, Serial Nos. 7001 thru 7124, 7126 thru 7130
HD605-7 Dump Trucks, Serial Nos. 7001 thru 7052

FAILURE CODE: 1324MP

DESCRIPTION:

1. Introduction

KOMATSU has developed improved torque converter stator bushings which will not come out even under severe operating conditions which cause the torque converter to stall frequently for use on the HD465-7 and HD605-7 dump trucks, and is introducing these improved new parts in this Service News.

<https://hespareparts.com/>

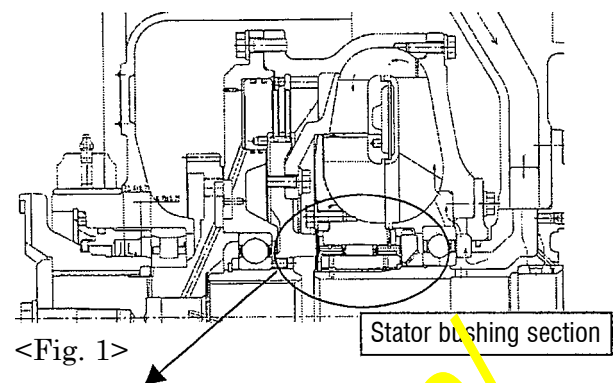
2. List of parts

Part No.	Part Name	Q'ty	Remarks
For the torque converters with the Serial No. of #000001 thru #100063			
569-13-52171 (569-13-52140)	Bushing (Bushing)	2 (2)	
569-13-52124 (569-13-52121)	Race (Race)	1 (1)	
569-13-52180	Snap ring	1	
For the torque converters with the Serial No. of #100064 thru #100165			
569-13-52171 (569-13-52141)	Bushing (Bushing)	2 (2)	
569-13-52124 (569-13-52122)	Race (Race)	1 (1)	
569-13-52180	Snap ring	1	
For the torque converters with the Serial No. of #100166 thru #100173			
569-13-52171 (569-13-52150)	Bushing (Bushing)	1 (1)	} Common parts
569-13-52124 (569-13-52123)	Race (Race)	1 (1)	
Since the following parts are consumable parts, prepare them for use when installing the above mentioned improved parts.			
04260-00635	Ball	2	
569-13-52160	Free wheel	1	

3. Details of the modification

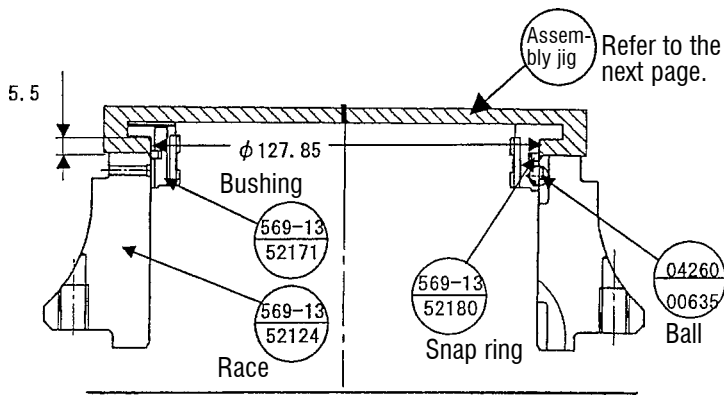
As shown in the drawings below, a snap ring has been added to the stator bushing section so that the stator bushing may not come out, and at the same time, convenience for disassembly work when carrying out an overhauling is also being secured.

Cross-sectional view of the torque converter

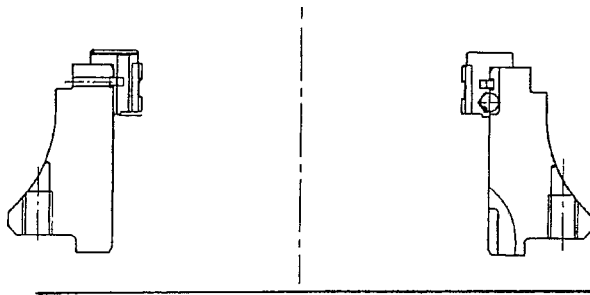


	Serial No. of the torque converter	Structure of the torque converter stator bushing section
Current shape -1	#000001 thru #100063	
Current shape -2	#100064 thru #100165	<p>The structure to prevent the bushing from coming out by making a protrusion on the press-fitting section. However, when disassembling at an overhaul, the stator can not be disassembled unless the stator bushing is broken. (The stator bushing cannot be reused after disassembly.)</p>
Current shape -3	#100166 thru #100173	<p>The structure to prevent the bushing from coming out by use of the snap ring. Also, by pushing the snap ring through the disassembly purpose hole, it is possible to disassemble the stator bushing.</p>
Improved parts	#100174 and up	<p>The race has been modified to make the bushings for both the input side and output side common.</p>

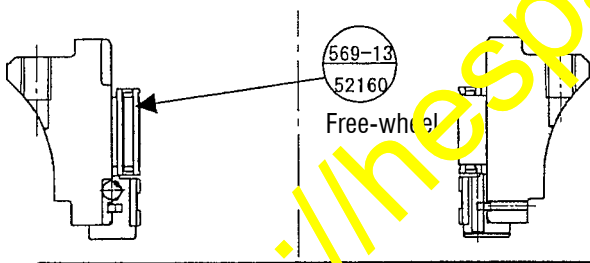
4. Installation procedure for the improved parts



<Fig. 2>



<Fig. 3>



<Fig. 4>

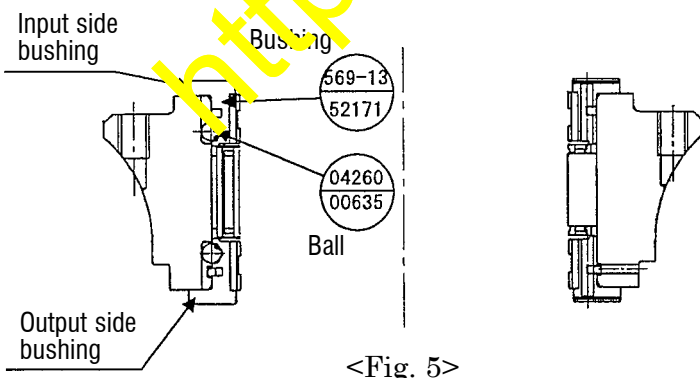
- 1) Cool down the bushing "569-13-52171" by use of dry ice, etc.
- 2) Install the ball "04260-00635" and snap ring "569-13-52180" to the bushing.
- 3) As per <Fig. 2>, while holding the snap ring by the assembly jig so that the snap ring may not expand outside, insert the bushing into the race until the snap ring set to the race "569-13-52124".
- 4) Remove the assembly jig and insert the bushing completely. (Refer to <Fig. 3>.)

- 5) Turn over the race.
- 6) Insert the free-wheel into the race so that the "→" mark indicated on the holder of the free-wheel "569-13-52160" may direct clockwise.

- 7) Install the ball "04260-00635" to the stator bushing "569-13-52171" which has been cooled down by use of dry ice, etc.

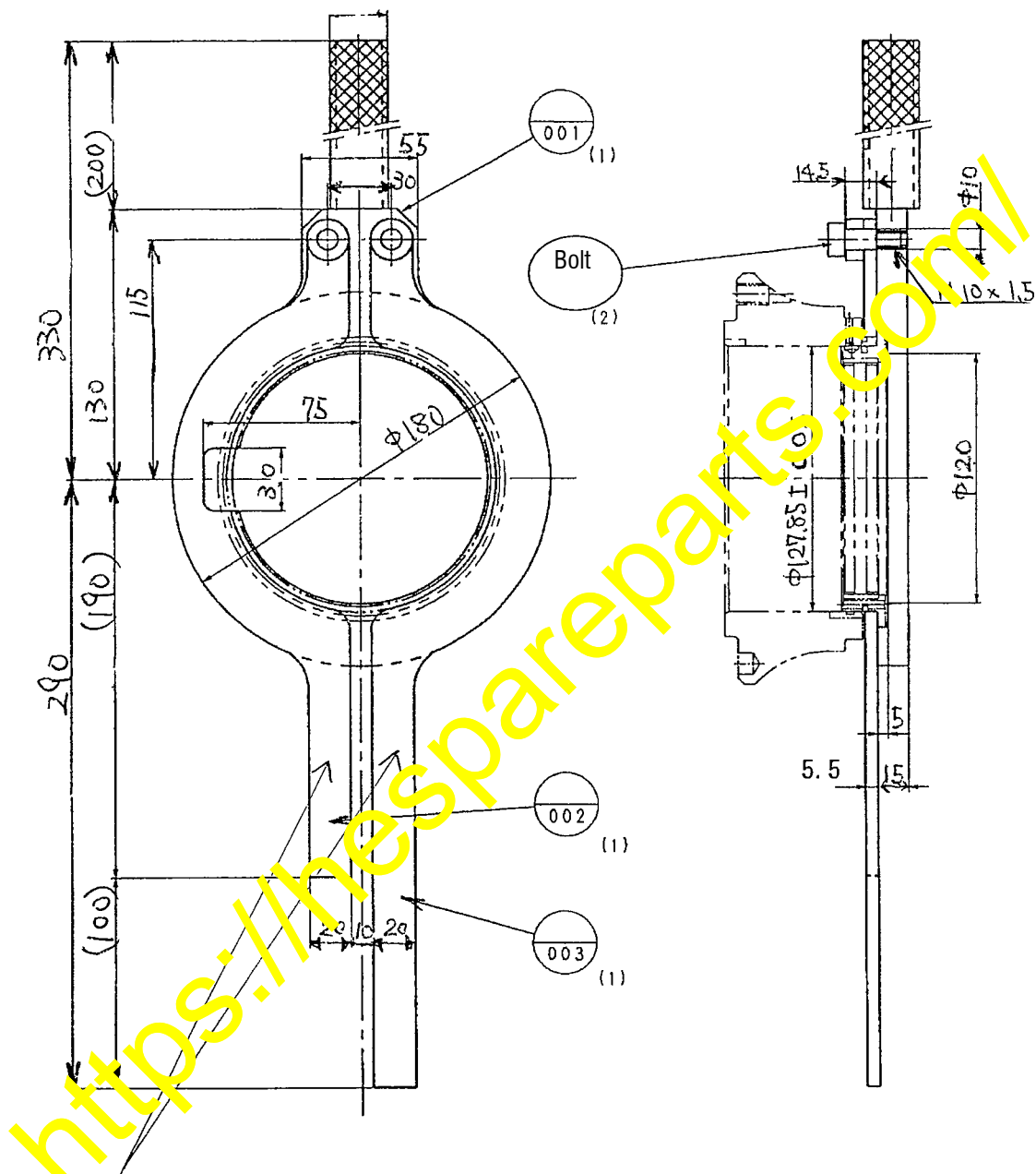
- 8) Insert the bushing into the race.

Note) Install the snap ring to the output side bushing only. Do not install the snap ring to the input side bushing.



<Fig. 5>

5. The shape of the jig to assemble the improved parts



Function: To hold the snap ring inside

<Fig. 6>