

PARTS & SERVICE NEWS

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(C)

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SUBJECT: REAR DIFFERENTIAL PINION BEARING FAILURE

PURPOSE: To introduce a repair procedure for the pinion bearing in the rear axle

APPLICATION: 568 Wheel Loader Serial Number 7001 and UP
 WA600-1 Wheel Loader Serial Number 10001 through 11423
 WA600-1L Wheel Loader Serial Number A10081 and UP
 WA600-1LC Wheel Loader Serial Number A50001 and UP
 WA600-1LE Wheel Loader Serial Number A51001 and UP

FAILURE CODE: 2B44ZC

DESCRIPTION: When the pinion bearing in the rear axle is found damaged it is recommended the following procedures listed below are followed.

MACHINE PREPARATION

1. Park the machine on a flat level surface; lower the work equipment to the ground. Shut off the engine and cycle the controls to remove any residual hydraulic pressure from the work equipment circuits. Turn the parking brake switch on and block the tires.
2. Remove the key from the ignition switch until the repairs are complete. Place a tag on the steering controls advising: "This machine is being repaired. It should not be started or moved for any reason until the tag is removed by the person doing the repairs."



WARNING! Observe all safety and precautionary standards as dictated by the environment and work conditions under which the equipment will be inspected, reworked and repaired. consult the "Shop Manual" and "Operator's and Maintenance Manual" and your Komatsu district service manager" with any/all questions regarding safety.

Remark

These instructions are intended to supplement the service data contained in the appropriate "Shop Manual". Always refer to that manual for Removal, Installation, Disassembly and Reassembly instructions when not contained in this document.

PARTS LISTING

Item	Part Number	Part Description	Qty	Purpose	Remark
1	426-23-10005 (426-23-10004)	AXLE HOUSING ASSEMBLY (AXLE HOUSING ASSEMBLY)	1 (1)	Rework	Replace if damaged
2	41E-23-11001 (426-23-11003)	CARRIER ASSEMBLY (CARRIER ASSEMBLY)	1 (1)	Rework	Replace if damaged
3	41E-23-11201 (426-22-00020)	RING AND PINION SET (RING AND PINION SET)	1 (1)	Replace	Number in () for front axle only Parts to be replaced at the time of the repair
4	426-22-11370	SHIM	2		
5	426-22-11380	SHIM	2		
6	426-22-11390	SHIM	4		
7	426-22-11831	BEARING	1		
8	426-22-11811	BEARING	1		
9	04064-06020	RING	1		
10	566-09-21110	O-RING	1		
11	077000-15235	O-RING	1		
12	0700-15220	O-RING	1		
13	07012-10110	SEAL	1		
14	07000-05075	O-RING	1		

- Inspect and replace all damaged parts including ring and pinion assembly.
- When replacing damaged parts refer to the Shop Manual for the proper repair procedures.
- If you will be re-using any parts it is important to clean them thoroughly before re-installing them.



WARNING! After removing the carrier assembly, it is important to flush all gear oil off the components before handling any parts. When handling or cleaning damaged parts it is advised to wear eye protection and thick cotton gloves to prevent metal slivers from entering your skin. Do not use air to blow parts off.

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CONTENTS OF MODIFICATION

	Pinion gear:	Right	→	Left
Direction of rotation of gears		Left	→	Right
	<p>As viewed from direction of the arrow in the drawing</p>			

