

PARTS & SERVICE NEWS

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SUBJECT: REWORK PROCEDURE TO IMPROVE DURABILITY OF FRONT SUSPENSION

PURPOSE: To introduce new parts to improve durability of the front suspensions on dump trucks.

APPLICATION: Komatsu Mechanical Drive Dump Trucks:
530M: A30001-A30038, 32628;
HD1500-5: A30039 - A30078;

FAILURE CODE: 5A00AA

DESCRIPTION:

This Parts & Service News will introduce necessary parts to improve durability of the front suspensions on the dump trucks listed above when they are being used in severe applications, such as:

- overloaded operations
- bumpy haul roads
- high speed traveling
- operating in high outside air temperatures

A special tool is required to install the new bushing inside the front suspension. See page 5 (Figure 2) for details on how to fabricate the tool locally.

2. List of Parts

No.	Part No.	Part Name	Qty	Remarks
Front Suspension Assembly				
	EK8793 (EJ5772)	L.H. Front Suspension (L.H. Front Suspension)	1 (1)	Standard L.H. Suspension
	EK8797 (EJ5755)	L.H. Front Suspension (L.H. Front Suspension)	1 (1)	3 Mode Standard L.H. Suspension
	EK8794 (EJ5771)	R.H. Front Suspension (R.H. Front Suspension)	1 (1)	Standard R.H. Suspension
	EK8798 (EJ5756)	R.H. Front Suspension (R.H. Front Suspension)	1 (1)	3 Mode Standard R.H. Suspension
1	XK0321	Front Suspension Kit	1	Includes Item No. 2 thru 11
2	PC1460	Buffer Ring	1	
3	PC1461 (581-50-11180)	Bushing (Bushing)	2 (2)	
4	EK5288 (562-50-31141)	Flange (Flange)	1 (1)	
5	07000-15330 (07000-15330)	O-ring (O-ring)	1 (1)	Consumable Part
6	07001-05330 (07001-05330)	Ring, backup (Ring, backup)	1 (1)	Consumable Part
7	581-50-11290 (581-50-11290)	Packing (Packing)	1 (1)	Consumable Part
8	581-50-11520 (581-50-11520)	Bushing (Bushing)	1 (1)	Consumable Part
9	581-50-21252 (581-50-21252)	Dust Seal (Dust Seal)	1 (1)	Consumable Part
10	0704300108 (0704300108)	Plug (Plug)	1 (1)	
11	581-50-11511 (581-50-11511)	Wear Ring (Wear Ring)	1 (1)	Consumable Part

	Improved Suspension	Current Suspension
Description	<ul style="list-style-type: none"> The material of the bushing has been changed. A buffer ring has been added. The flange has been changed. 	
Structure		
Parts	2. Buffer Ring (PC1460) 3. Bushing (PC1461) 4. Flange (EK5288) 5. O-Ring (07000-15330) 6. Backup Ring (07001-05330) 7. Packing (581-50-11290) 8. Bushing (581-50-11520) 9. Dust Seal (581-50-21252) 10. Plug (07043-00108) 11. Wear Ring (581-50-11511)	3. Bushing (581-50-11180) 4. Flange (562-50-31141) 5. O-Ring (07000-15330) 6. Backup Ring (07001-05330) 7. Packing (581-50-11290) 8. Bushing (581-50-11520) 9. Dust Seal (581-50-21252) 10. Plug (07043-00108) 11. Wear Ring (581-50-11511)
<p><i>NOTE: Items 5, 6, 7, 8, 9 and 11 are consumable parts.</i></p>		

1. Details of the rework of front suspension.
2. A buffer ring has been added to the suspension. The buffer ring is made of two sections, the packing section (blue) and backup ring section (black). (See Figure 1.) Install the rounded corner side of the backup ring section to the inside of the packing section.
3. A bushing installation tool (EK5294) for installing bushing (PC1461) must be made locally. Refer to Figure 2 for details.
4. If the reworked suspension is stamped with a part number from the old part number column below, then strike through the old part number stamping and stamp suspension with new part number according to the table below.

TABLE 1. SUSPENSION PART NUMBERS		
Description	Old Part No.	New Part No.
Standard L.H. Suspension	EJ5772	EK8793
Standard R.H. Suspension	EJ5771	EK8794
3 Mode L.H. Suspension	EJ5755	EK8797
3 Mode R.H. Suspension	EJ5756	EK8798

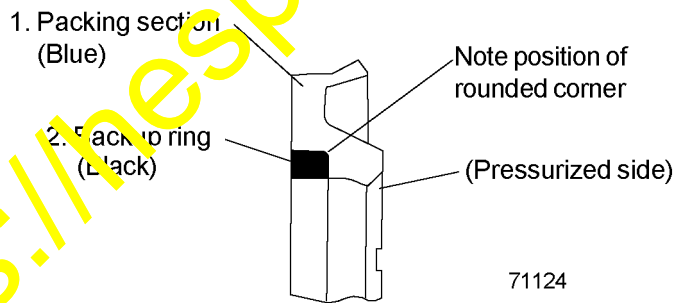
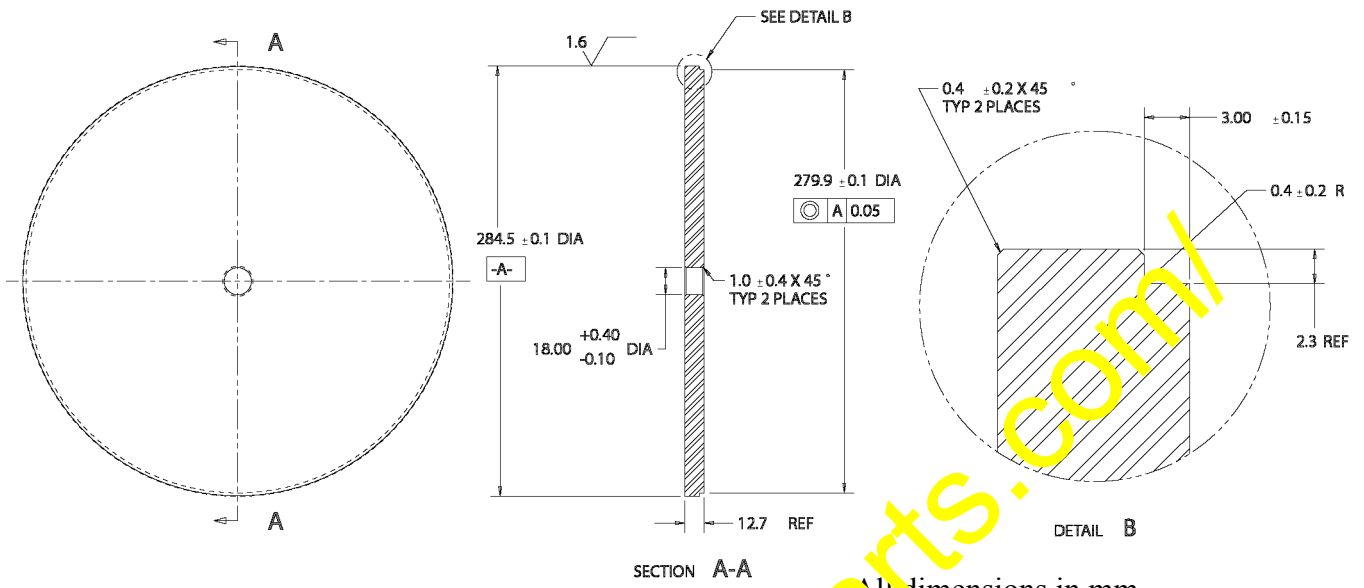


FIGURE 1. BUFFER SEAL



ALL MACHINED SURFACES TO BE UNLESS OTHERWISE SPECIFIED

3.2 micrometer

Material Specification: ASTM A36

71125

FIGURE 2. BUSHING INSTALLATION TOOL (EK5294)

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