

# PARTS & SERVICE NEWS

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**(C)**

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**SUBJECT:** INTRODUCTION OF IMPROVED BRAKE FLOATING SEAL ON HM300-1

**PURPOSE:** To introduce improved floating seal with increased sealing performance for use on HM300-1 articulated dump trucks

**APPLICATION:** HM300-1 Articulated Dumped Trucks, Serial Nos. 1001 thru 1159

**FAILURE CODE:** 2C4FAA

**DESCRIPTION:**

1. Introduction

This Service News will introduce the improved floating seal (thermal spraying seal) with increased sealing performance for the HM300-1 articulated dump trucks.

2. List of parts

Part No.	Part name	Q'ty	Remarks
56D-33-00030	Floating seal ass'y	4	} Part number registration as a spare part
• 56D-33-00040	Seal ring ass'y	4	
• • 56D-33-11810 (56D-33-11310)	Seal (Seal)	8 (8)	
• 195-27-00150	O-ring set	4	
• • 195-27-12710 (195-27-12710)	O-ring (O-ring)	8 (8)	
56D-23-12632 (56D-23-12631)	Retainer (Retainer)	4 (4)	

2. Details of the modification

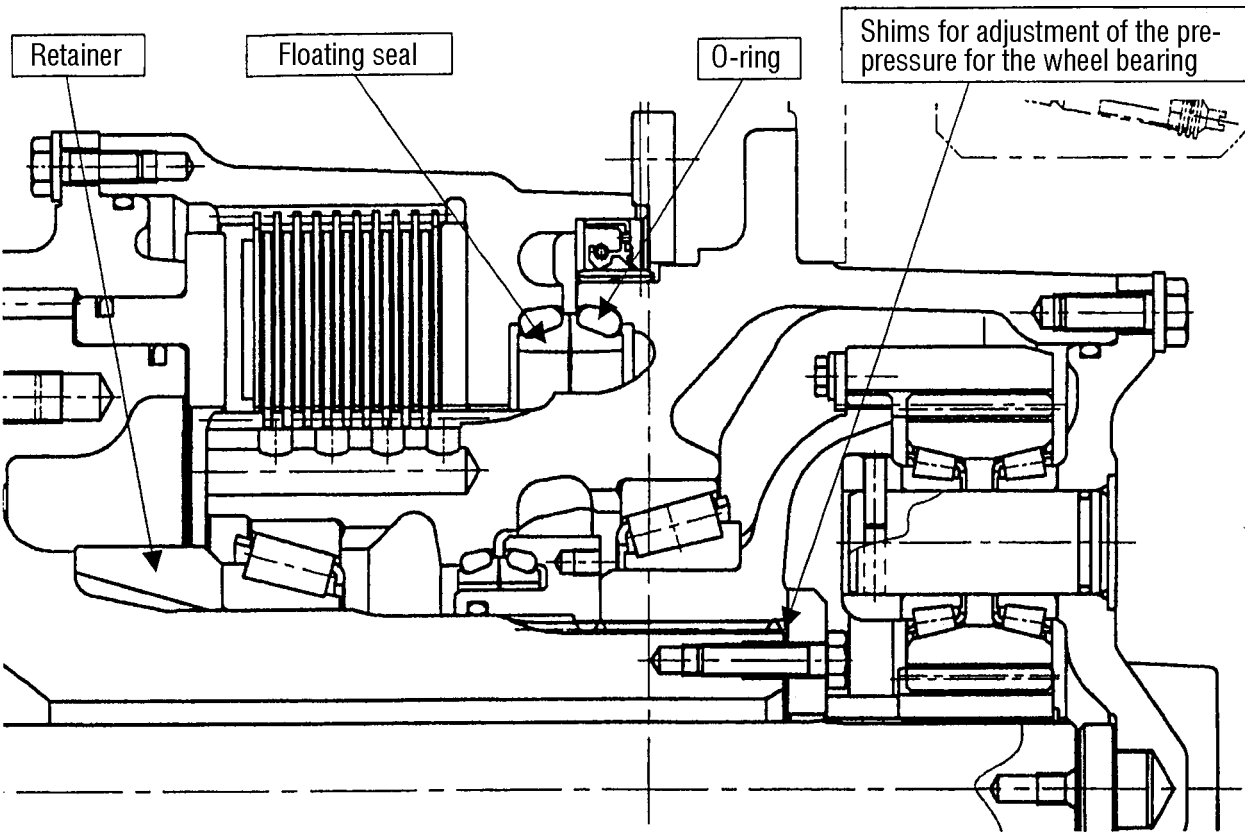


Fig. 1

- (1) Replace the floating seal for the brake section with the improved seal (thermal spraying seal) with increased sealing performance and resistant to oil leakage failure.
- (2) When replacing the floating seal for the brake section on the vehicles in the field, replace the O-ring (195-27-12710) and the retainer (56D-23-12632) at the same time.
- (3) When carrying out the reinstallation work after replacement of the retainer, adjust the pre-pressure of the wheel bearing as per the instructions being given in the Shop Manual.  
{Targeting shim thickness = Shim thickness before disassembly – (Actually measured current retainer width – Actually measured improved retainer width)}

Table 1 Identification method for the improved parts

	Current parts	Improved parts
Floating seal	<div>Part No. 56D-33-11310</div>	<div>Part No. 56D-33-11810</div>
Retainer	<div>Part No. 56D-23-12631 – #1023</div>	<div>Part No. 56D-23-12632</div>
	<div>– #1024</div>	