

PARTS & SERVICE NEWS

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SUBJECT: INTRODUCTION OF IMPROVED PARTS FOR T/C OIL SEAL ON HD785-3/-5, HD985-3/-5

PURPOSE: To introduce modification procedures to prevent penetration of water through the oil seal of the torque converter input shaft on HD785-3, HD785-5, HD985-3, HD985-5 and HV700-2 dump trucks

APPLICATION: HD785-3 Dump Trucks, Serial Nos. 2001 thru 2574 and 3001 thru 3030
 HD785-5 Dump Trucks, Serial Nos. 4001 thru 4091
 HD985-3 Dump Trucks, Serial Nos. 1001 thru 1020
 HD985-5 Dump Trucks, Serial Nos. 1021 thru 1045
 HV700-2 Dump Trucks, Serial Nos. 1001 thru 1010

FAILURE CODE: 132G10

DESCRIPTION:

1. Introduction

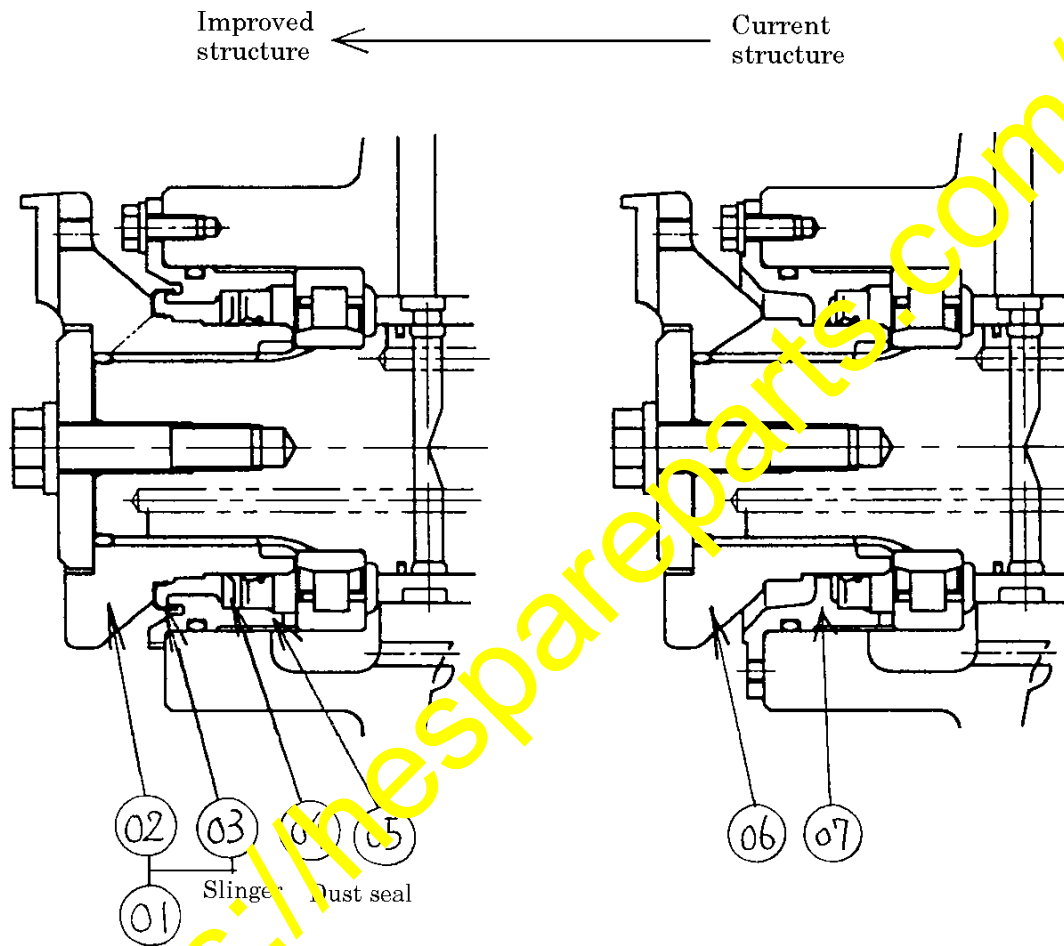
While the HD785-3, HD785-5, HD985-3, HD985-5 and HV700-2 dump trucks are being washed using pressurized water, water may penetrate through the oil seal for the torque converter input shaft causing deterioration of the oil seal leading, finally, to oil leakage.

This Service News will introduce structural modifications of the relevant parts to prevent penetration of water through the oil seal for the torque converter input shaft even when these vehicles are washed using pressurized water.

2. Contents of the modification

While these vehicles are being washed using pressurized water, water may penetrate through the oil seal for the torque converter input shaft causing deterioration of the oil seal leading, finally, to oil leakage.

To prevent such a failure, the structure is to be modified by adding the dust seal (04) and supplementing the slinger (03) to the coupling (02) and, along with this modification, the shape of the retainer (05) is changed to constitute a new structure to prevent entry of water and other foreign substances.



3. Modification procedures

Make this modification referring to page 3.

4. Interchangeability of new and current parts

The coupling and retainer are not interchangeable between the new parts and current parts independently.

However, a set of the coupling complete (01), dust seal (04) and retainer (05) is interchangeable in the manner of New → Current.

Independent parts

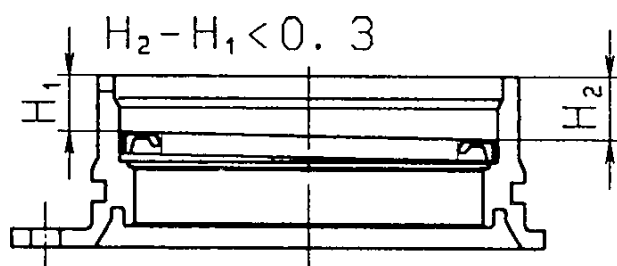
New parts	Interchangeability	Current parts
Coupling complete (01)	✕	Coupling (06)
Retainer (05)	✕	Retainer (07)

• Parts in a set

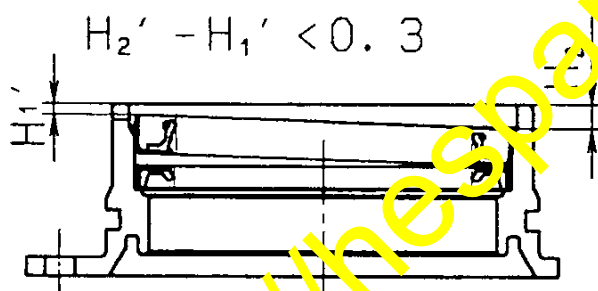
New parts	Interchangeability	Current parts
A set of: • Coupling complete (01) • Retainer (05) • Dust seal (04)	↔	Coupling (06) Retainer (07)

Assembly procedures

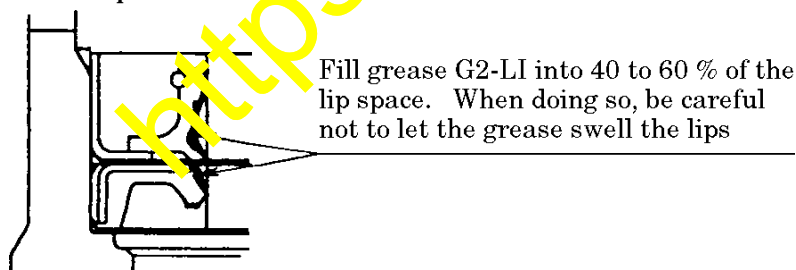
1. Apply liquid gasket LG-5 over the press-fitting surfaces of the oil seal and the dust seal. When applying the liquid gasket, do so lightly over the bore surface of the retainer and thoroughly wipe to clean the swollen portion of the liquid gasket.
2. Place the retainer on a level stand, press-fit the dust seal using a push-tool. Press-fit the dust seal into a position of 23.5 ± 0.3 from the end face of the retainer. Meanwhile, the inclination of the dimension 23.5 ± 0.3 should be within 0.3 mm.



3. Place the retainer on a level stand, press-fit the oil seal using the push-tool. Press-fit the oil seal into a position of 9 ± 0.3 from the end face of the retainer. Meanwhile, the inclination of the dimension 9 ± 0.3 should be within 0.3 mm.

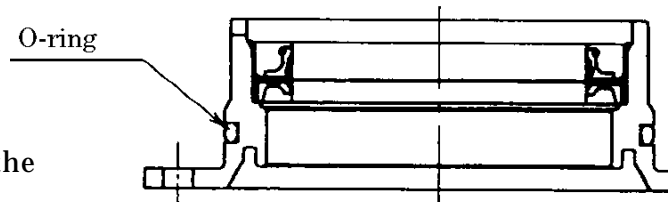
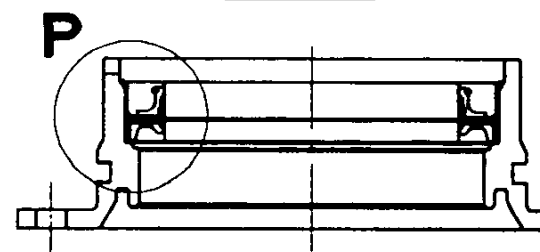
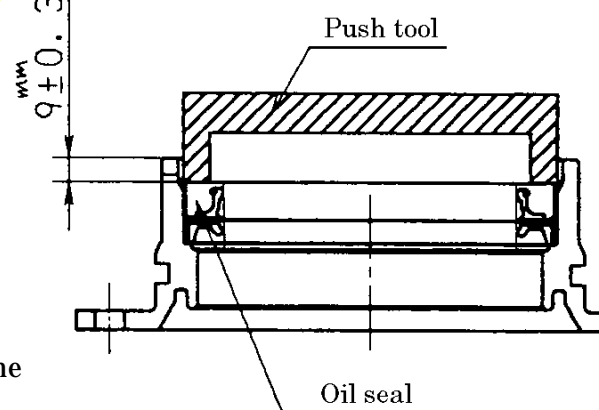
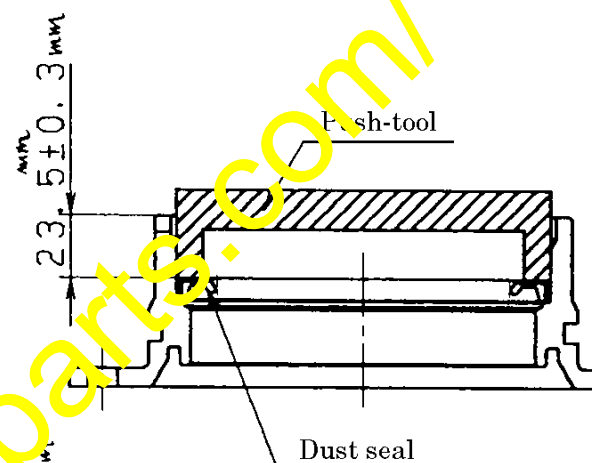
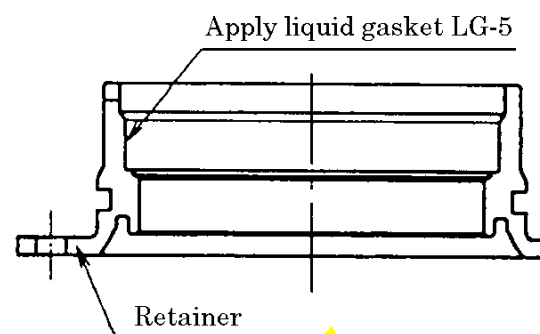


4. Fill grease G2-LI into the lip space and into the space between the oil seal and the dust seal.



Detail "P" (Enlarged view)

5. Set the O-ring to the retainer.
6. Install the retainer to the front case of the torque converter.
7. Install the coupling.



Part No.	Part Name	Q'ty	Remarks
711-28-49860 (711-28-41360)	Coupling (Coupling)	1 (1)	} Improved parts
711-28-49370 (711-28-43370)	Retainer (Retainer)	1 (1)	
711-28-49710	Seal	1	
07012-10110 (07012-10110)	Seal (Seal)	1 (1)	} Consumable parts Replace these consumable parts when making the above parts change.
07000-75150 (07000-75150)	O-ring (O-ring)	1 (1)	
07000-75075 (07000-75075)	O-ring (O-ring)	1 (1)	

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