

PARTS & SERVICE NEWS

REF NO.	AT99157
DATE	Nov. 1, 1999

Page 1 of 4

SUBJECT: INTRODUCTION OF DUST PROOF TYPE T/C, T/M OIL SEAL, RETAINER ON WA700/800/900-1, 3

PURPOSE: To introduce dust-proof oil seals for use in the torque converter and the transmission and muddy-water resistant retainer for use in the torque converter on WA800-1/-3, WA900-1/-3, WD900-3 and WA700-1/-3 wheel loaders

APPLICATION:	WA700-1	Wheel Loaders	} Refer to page 2.
	WA700-3	Wheel Loaders	
	WA800-1	Wheel Loaders	
	WA800-3	Wheel Loaders	
	WA900-1	Wheel Loaders	
	WA900-3	Wheel Loaders	
	WD900-3	Wheel Loaders	

FAILURE CODE: 132G10

DESCRIPTION:

1. Introduction

- (1) When the wheel loaders of the model names indicated above are used in work sites under very dusty environments, foreign substances may be caught in the oil seal sections of the torque converter and transmission assembly resulting in oil leakage.

To eliminate this problem, we have prepared new oil seals with improved dust proofing structure for use on the machines being used in such dusty work sites and this Service News will introduce these improved oil seals and their installation procedures. (Oil seals equipped with duplex dust lips.)

- (2) If water gets into the space between the retainer and the oil seal when these wheel loaders are undergoing high pressure body washing, the oil seal may wear out more quickly causing possible oil leakage.

To prevent this type of water damage, we have prepared a new retainer with muddy water weep holes. This Service News will introduce the new retainer and its installation procedures.

List of serial numbers of the applicable machines for installation of the improved oil seals for the torque converter and transmission assembly (WA700, WA800, WA900 and WD900)

Completed wheel loaders

Machine models	Serial numbers of applicable machines	
	Already shipped machines	Machines being shipped newly from the factory
WA700-1	#10001 – #10139	
WA700-3	#50001 – #50018 (T/C No. – 10020)	#50019 – (T/C No. 10021 –)
WA800-1	#10001 – #10730	
WA800-3	#50001 – #50013	#50014 –
WA900-1	#10001 – #10009	
WA900-3	#50001 – #50012	#50013 –
WD900-3	#50001 – #50003 (T/C No. – 1439) (T/M No. – 1035)	#50004 – (T/C No. 1440 –) (T/M No. 1036 –)

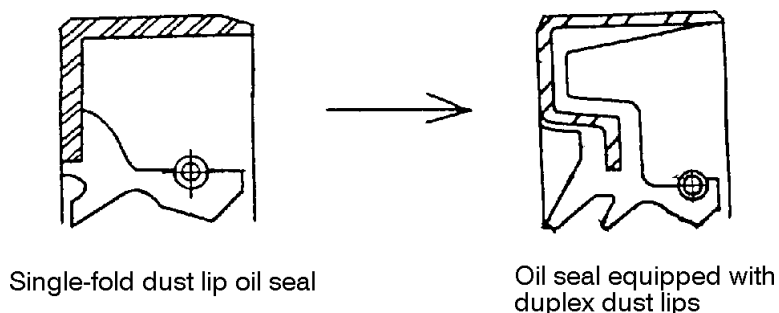
2. List of parts

Part No.	Part Name	Q'ty	Remarks
711-56-39110 (07012-10110)	Oil seal (Oil seal)	1 (1)	Torque converter input shaft section WA700/800/900
427-15-19120 (427-15-39110)	Oil seal (Oil seal)	2 (2)	Transmission output shaft section WA800/900
711-56-33331 (711-56-33330)	Retainer (Retainer)	1 (1)	Torque converter input shaft section WA700/800/900

3. Contents of the modification

(1) Oil seals equipped with duplex dust lips

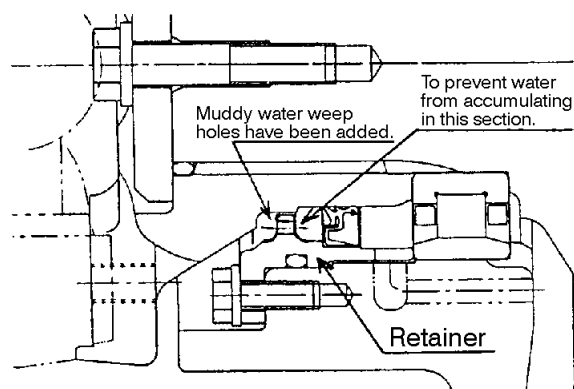
We have prepared new oil seals equipped with duplex dust lips that exhibit superior dust proofing performance compared to ordinary single-fold dust lip oil seals.



Locations where modification effected	Part numbers of the new and current oil seals	Applicable machine models
Torque converter input shaft section	711-56-39110 (Oil seal equipped with duplex dust lips) ↓ 07012-10110	WA800-1, -2, -3 WA900-1, -3 WD900-3 WA700-1, -3
Transmission output shaft section (Both front and rear sections)	427-15-19120 (Oil seal equipped with duplex dust lips) ↑ 427-15-19110	WA800-1, -2, -3 WA900-1, -3 WD900-3

(2) Retainer with added muddy water weep holes

We have prepared new retainer with supplemented muddy water weep holes for use in the torque converter input shaft section.

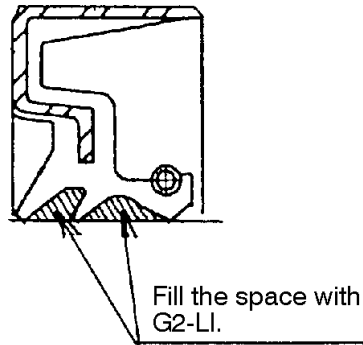


[Torque converter input shaft section]

Location where modification effected	Part numbers of the new and current retainer	Applicable machine models
Torque converter input shaft section	711-56-33331 (Muddy water weep holes have been added.) ø5 hole at 2 places ↑ 711-56-33330	WA800-1, -2, -3 WA900-1, -3 WD900-3 WA700-1, -3

4. Modification procedures

- (1) Oil seals equipped with duplex dust lips
 - 1) Replace the oil seals referring to the Section "Disassembly and Assembly of Torque Converter" and "Disassembly and Assembly of Transmission" in the Chapter "Disassembly and Assembly" in the Shop Manual.
 - 2) When installing the new oil seals, fill the space occurring among the dust lips and the oil lip with lithium grease G2-LI. (Refer to the illustration given below.)



- (2) Retainer with added muddy water weep holes
Replace the retainer referring to the Section "Disassembly and Assembly of Torque Converter" in the Chapter "Disassembly and Assembly" in the Shop Manual.

<https://hespareparts.com/>