## COMPONENT CODE 15

PARTS & SERVICE	REF NO.	AA98162
	DATE	Aug. 18, 1998
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SUBJECT: CHANGE OF TRANSMISSION ON WA900-1

- **PURPOSE:** To introduce the procedures to modify the transmission on WA900-1 wheel loaders to the WA900-3 type transmission.
- APPLICATION: WA900-1 Wheel Loaders, Serial Nos. 10001 thru 10009

**FAILURE CODE:** 150099

## **DESCRIPTION:**

1. Introduction



The transmission of the WA900-1 wheel loaders was modified to neet the increased maximum driving force occurring from the modification of the engine performance when the model change from WA900-1 to WA900-3 was effected.

Since making the same modification with the transmission or the current WA900-1 wheel loaders works to prolong the service life as well, this Service News introduces the procedures to modify the transmission accordingly.

Part No.	Part Name	Q't	Remarks
198-15-22571 (427-15-12560)	Thrust washer (Thrust washer)	8 (8)	
427-15-19320 (582-15-19720)	Bearing (Bearing)	32 (32)	Interchangeability: New 菜 Current
427-15-19220 (07018-21104)	Se. I ring (Seal ring)	2 (2)	
(07000-73040)	(O-ring)	(1)	Consumable parts need to be
(07000-7:04)	(O-ring)	(1)	shim quantity for the modula-
(195, 25-259.10)	(Gasket)	(1)	
( <sup>5</sup> 60- <u>1</u> 3-14330)	(Shim)	(Std.) 5 sheets	Supplementing hydraulic pressure adjusting shims
<reference> Appli</reference>	cable assemblies		
427-15-11003 (427-15-00013)	Transmission ass'y (Transmission ass'y)	1 (1)	(WA900-3) (WA900-1) Interchangeability:
427-15-01005 (427-15-01004)	Torqflow ass'y, T/C + T/M (Torqflow ass'y, T/C + T/M)	1 (1)	(WA900-3) (WA900-1)



## 3. Contents of the modification



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⑤1st row needle bearing

4. Modification procedures for reinforcement: (1) - (6)

Replace the parts ① – ⑥ with the improved parts referring to the Section "Disassembly and assembly" in the Shop Manual.



- 4. Modification procedures for reinforcement:  $\bigcirc$ 
  - (a) Remove the upper valve from the transmission and supplement shims to the modulation valve referring to the Section "Disassembly and assembly" in the Shop Manual.



- (Note 1) Before starting diacessmally, wash the area around the valve and, when removing the upper valve, pay great attention not to allow entry of dust or other foreign substances into inside the valve.
- (Note 2) Replace the consumable parts such as the gasket and O-rings as are indicated above with new parts.
- (b) Check and confirm that the modulating pressure is within the hydraulic pressure range for the modification (27 30kg/cm<sup>2</sup>).
  When the modulating pressure is found to be out of this range, re-adjust the shim quantity in the same manner as outlined above to bring the modulating pressure within the specification.