



PARTS & SERVICE NEWS

REF NO.	AT03108A
DATE	Oct. 22, 2003
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This PARTS & SERVICE NEWS supersedes the previous issue No. AT03108 dated Jun. 24, 2003 which should be discarded.

SUBJECT: REPAIR PROCEDURE OF COOLANT LEAKAGE OF RADIATOR

PURPOSE: To introduce modification procedure to repair radiator water leakage

APPLICATION: WA200-3 Wheel Loaders, Serial Nos. ~~60001~~ thru 64393  63001
 WA250-3 Wheel Loaders, Serial Nos. 65001 thru 66553
 WA250-3A Wheel Loaders, Serial Nos. 53001 thru 54117
 WA250PT-3 Wheel Loaders, Serial Nos. ~~51001~~ thru 51012  50001


FAILURE CODE: 0321AE

DESCRIPTION:

1-1. Introduction

With the radiator on the WA200-3 and WA250-3 wheel loaders, the soldering which is fastening the tubes and the header at the four corners of the radiator core may be cracked and separation of these parts may occur to result in radiator water leakage. Therefore, make the modification being introduced in this Service News to repair the above radiator water leakage when it occurs.

1-2. Revised places:

2 places 	Oct. 22, 2003	The error in writing of application serial Nos. was corrected.
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2. List of parts

Part No.	Part Name	Purpose of part	Q'ty	Remarks
418-03-24100 (418-03-21540)	Rad. A. (Rad. A.)	Replacement	1 (1)	
(Part numbers of the component parts of the radiator ass'y.)				
418-03-21541	Radiator core ass'y		1	No. 3 in Section 4-1 on page 3.
418-03-11430	Packing		2	No. 4 in Section 4-1 on page 3.
416-03-11151	Hose		1	No. 5 in Section 4-1 on page 3.
415-03-11150	Drain cock		1	No. 6 in Section 4-1 on page 3.
415-03-11160	O-ring		1	No. 7 in Section 4-1 on page 3.
416-03-11170	Cap		1	No. 8 in Section 4-1 on page 3.

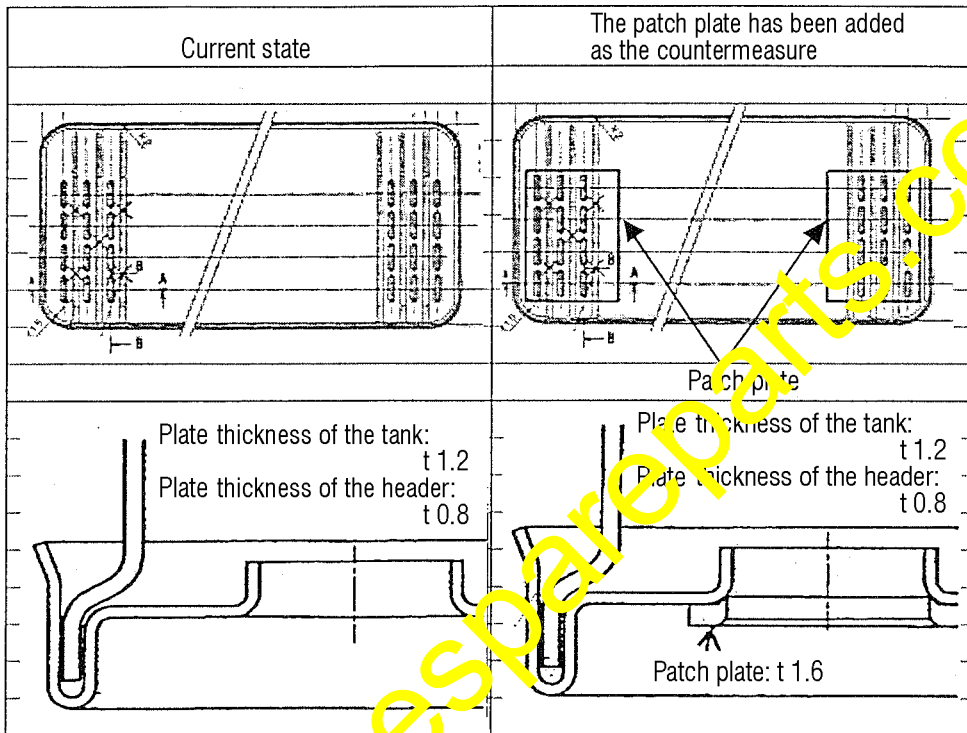
3. Details of the modification

3-1 Failure status

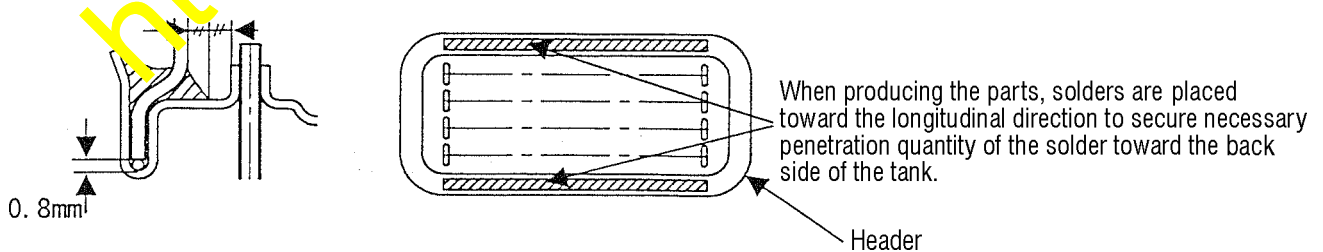
- 1) The soldering which is fastening the tubes at the four corners of the radiator core and the header may be cracked and separation of these parts may occur to result in water leakage.

3-2 Details of the countermeasure

- 1) The patch plate has been added to the header at the four corners of the radiator core for the reinforcement purpose.



- 2) To prevent occurrence of variation of the solder penetration in the engaging portion of the header and the tank, solder penetration shape and the penetration quantity have been specified.



4. Modification procedure

4.1 Replacement of the parts

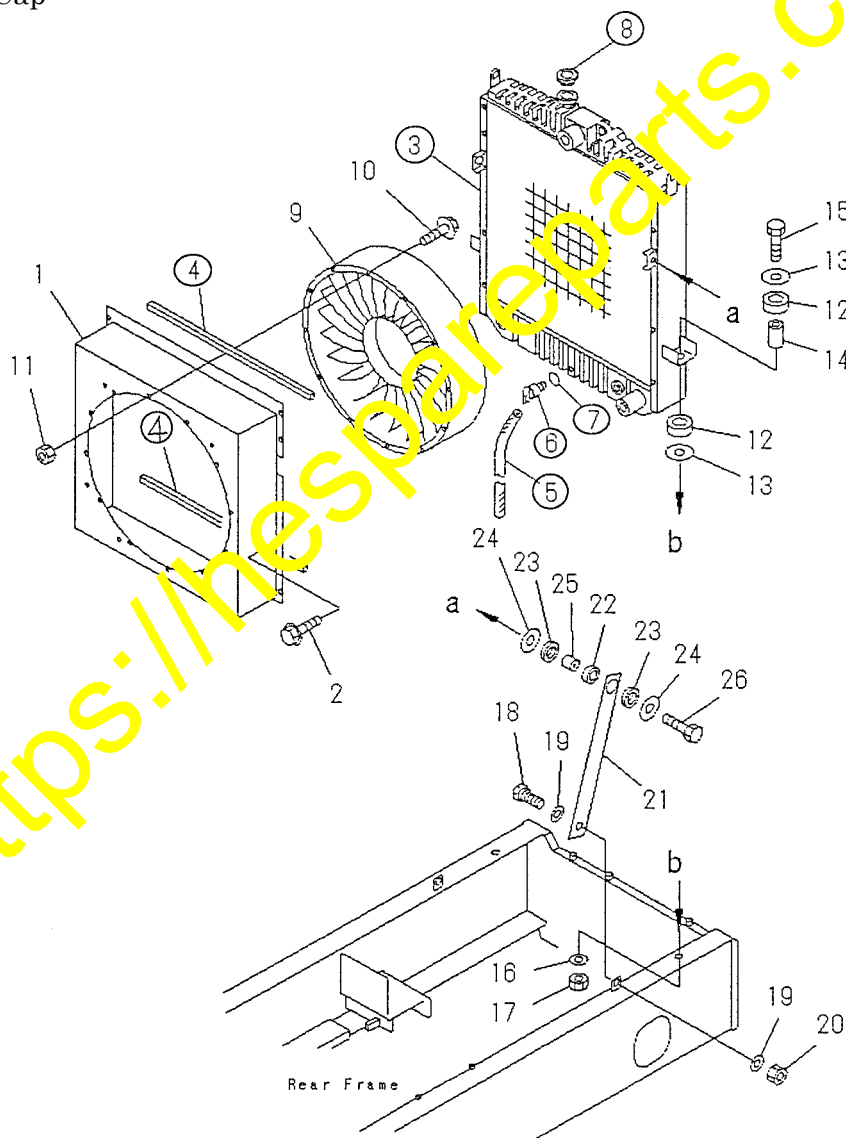
Replace the radiator ass'y referring to the Section "Disassembly and Assembly" in the Shop Manual.

Remove the parts ③, ④, ⑤, ⑥, ⑦ and ⑧ shown in the drawing below and replace them with the prepared new parts for this modification.

Radiator ass'y newly prepared for this modification (418-03-24100)

- The following parts will be sent to you from our factory in sub-assembled state.

3. Radiator core
4. Packing
5. Hose
6. Drain cock
7. O-ring
8. Cap



PME3884