

PARTS & SERVICE NEWS

REF NO.	AA00172
DATE	July 27, 2000

(C)

SUBJECT: REPAIR PROCEDURE OF HOSE CLAMP ON TURBOCHARGER

PURPOSE: To introduce modification procedures to eliminate the breakage of hose clamps used on air supply hoses for turbochargers of twin turbo engines

APPLICATION: WA700-1 Wheel Loaders, S/N up to 10139 (Engine up to 18778)
 WA700-1L Wheel Loaders, S/N up to A20007 (Engine up to 18778)
 WA700-3 Wheel Loaders, S/N up to 50003 (Engine up to 19130)
 HD465-3 Dump Trucks, S/N up to 2431 (Twin turbo Engine up to 14211)
 HD465-5 Dump Trucks, S/N up to 4664 (Engine up to 19054)

FAILURE CODE: A90438

DESCRIPTION:

When the hose clamps used at the outlet port section on the intake air side of turbochargers for twin turbo engines have been found broken, make the modification following the procedures introduced in this **PARTS & SERVICE NEWS** to eliminate the failure

List of Part:

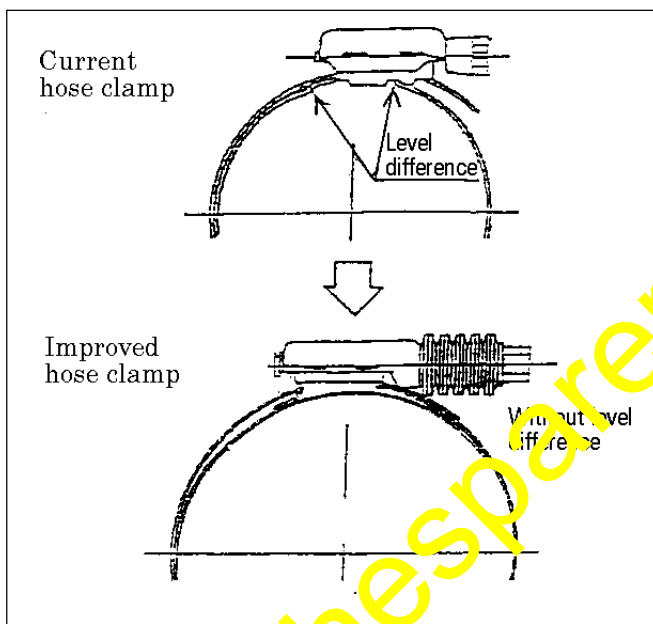
Part No.	Part Name	Purpose of Part	Qty.	Remarks
6152-12-4490 (07289-00080)	Clamp (Clamp)	Replacement	4 (4)	Applicable to the HD465-3, WA700-1 and HD465-5 with SAA6D170 engines
6162-15-4410 (6151-14-4410)	Hose (Hose)		2 (2)	
6152-12-4490 (07289-00080)	Clamp (Clamp)		4 (4)	Applicable to the WA700AP-1 and WA700-2 (See NOTE)
6162-15-4410 (6162-15-4410)	Hose (Hose)		2 (2)	
6152-12-4490 (07289-00080)	Clamp (Clamp)		8 (8)	Applicable to the HD465-5 with the SAA6D170 engines (See NOTE)
6162-15-4410 (6162-15-4410)	Hose (Hose)		4 (4)	

NOTE: Although the currently used hoses are of the improved type, replace the hoses with new parts when changing the clamps.

3. Contents of the modification

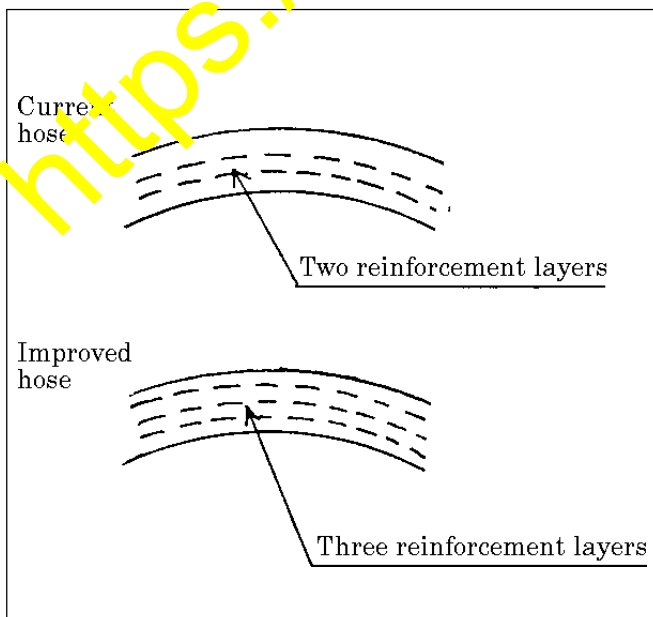
- 1) The shape of the hose clamps used at the outlet port section of the turbochargers has been changed to increase the strength there by to enhance their reliability and durability against breakage.
- 2) The number of the reinforcement layers for the hoses connecting to the outlet port of the turbochargers has been increased to improve reliability and durability to prevent cracking of the hoses when vehicles are used for a long period of time.
(Although the HD465-5 carrying the SAA6D170E-2 engine, WA700AP-1 and WA700-3) are equipped with the improved hoses already, replace them with new hoses when changing the clamps.)

1) Modification with the hose clamp



The level difference thus existing in the clamp band has been eliminated to increase the strength.

2) Modification with the hose

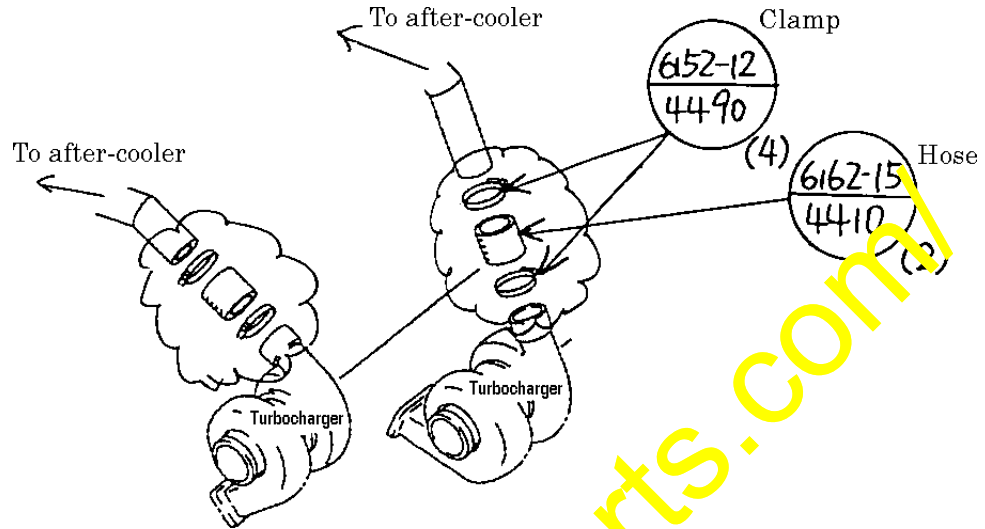


The number of reinforcement layers has been increased to prevent the hose from swelling due to air supply pressure, thus preventing cracking even if the hose material is deteriorated after prolonged operation.

4. Replacement procedures

- 1) With the HD465-5, HD465-3 and WA700-1, replace the hoses and clamps shown in the schematic diagrams given below.

※ Hose clamp tightening torque: 9.8N·m (1.0kg·m)



- 2) With the WA700AP-1 and WA700-3, replace the hoses and clamps shown in the schematic diagrams given below.

※ Hose clamp tightening torque: 9.3N·m (1.0kg·m)

