

PARTS & SERVICE NEWS

REF NO.	AT04202
DATE	July 21, 2004

(C)

SUBJECT: REPLACEMENT PROCEDURE FOR BRAKE COOLER

PURPOSE: To inform Field Personnel

APPLICATION: HD465-7 Truck, S/N 7001 thru 7181, 7184 thru 7186, 7188 thru 7202, 7204 thru 7257
 HD605-7 Truck, S/N 7001 thru 7086, 7088 thru 7098, 7100 thru 7110

FAILURE CODE: 0390BF

DESCRIPTION:

1. Introduction:

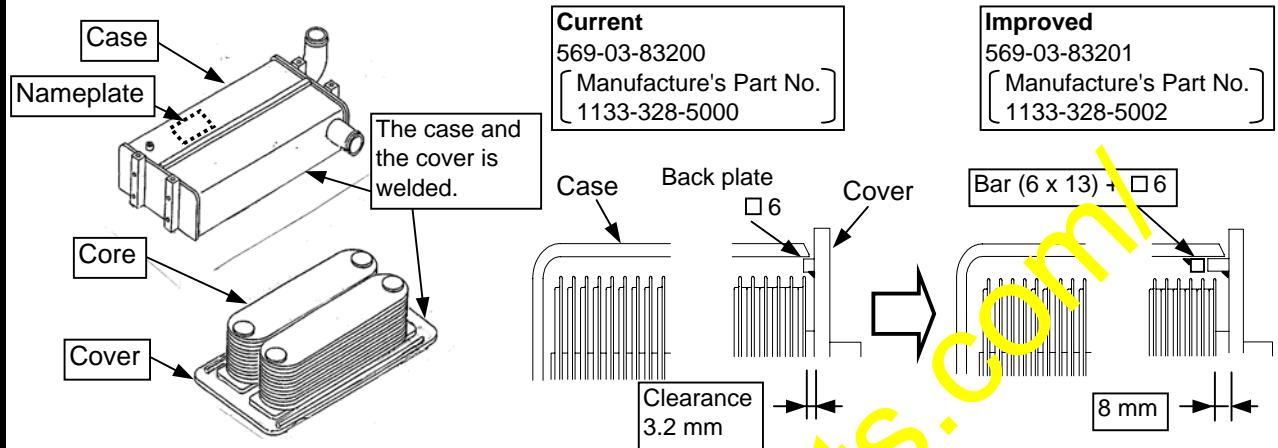
While the brake coolers being used on the dump trucks were being produced, weld spatter might have adhered to the core while the case was being welded. The weld spatter may be removed by the hydraulic pressure variation occurring while the vehicle is in operation, leaving a hole which will result in oil leakage failure. Therefore, it is requested to replace the brake cooler following the procedure as described in this **Parts & Service News**.

2. List of Parts:

Part No.	Part Name	Purpose of Part	Qty	Remarks
569-03-83201 (569-03-83200)	Brake Oil Cooler (Brake Oil Cooler)	Replacement	1 (1)	
07000-F2060	O-Ring		4	Consumable Part

<Details of the modification>

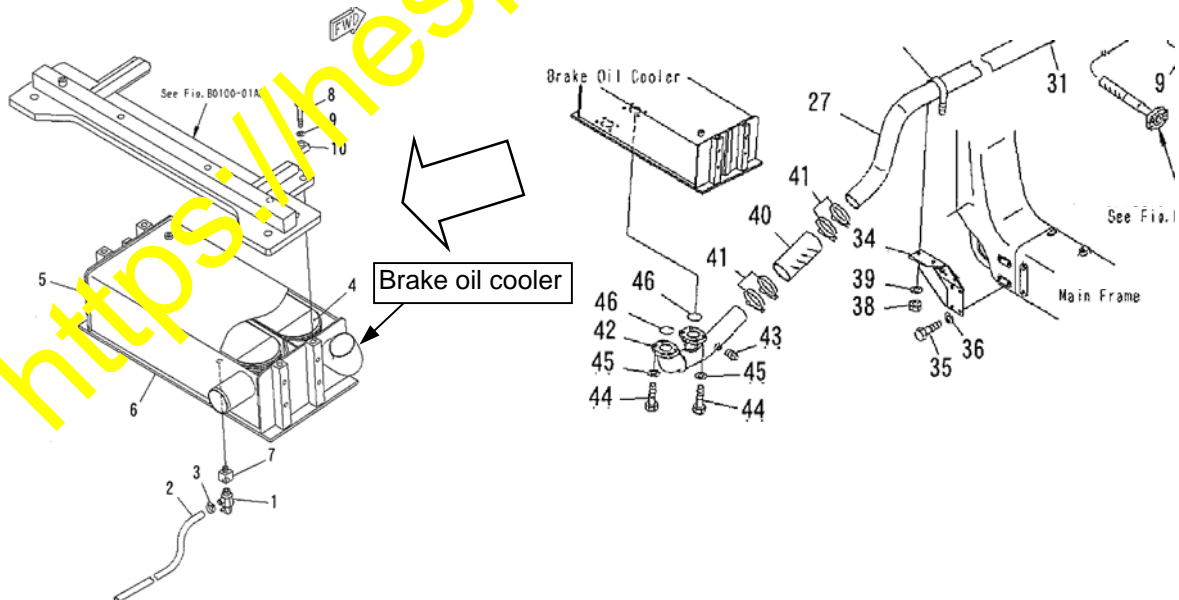
- So that spatters may not be splashed into the case while final welding for the oil cooler is being carried out, the shape of the back plate has been changed.
- So that interference may not occur between the core-element and the cover by welding distortion, the clearance between them has been increased.



**Identification method for the new and current parts:
Identify them by the part number indicated on the nameplate.**

<Replacement procedure>

- Replace the current brake cooler with the improved one.
- Replace the O-rings also since they are consumable parts.
(Regarding the detailed replacement procedure, refer to the extract of the Shop Manual shown on the next page.)



<Handling of the current parts>


Discard the removed current parts.


REMOVAL AND INSTALLATION OF ENGINE AND TORQUE CONVERTER AND TRANSMISSION OIL COOLER ASSEMBLY

REMOVAL

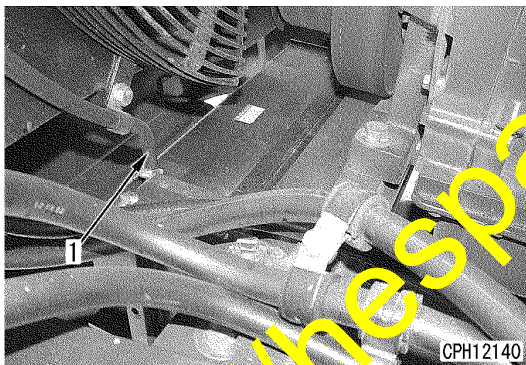
- ⚠** Stop the truck on level ground and set the parking brake switch to the PARK position, then lock the wheels with blocks.

1. Remove the engine underguard.
2. Drain the engine oil and hydraulic oil.


 Engine oil pan: **57 ℓ**

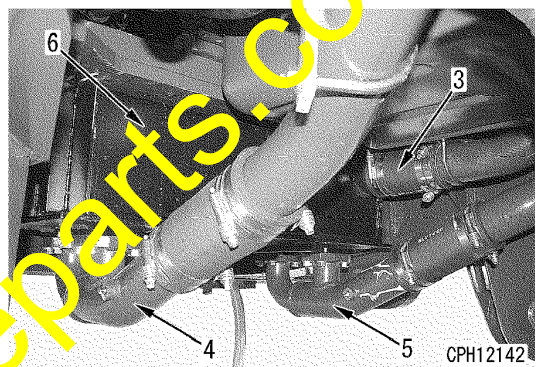
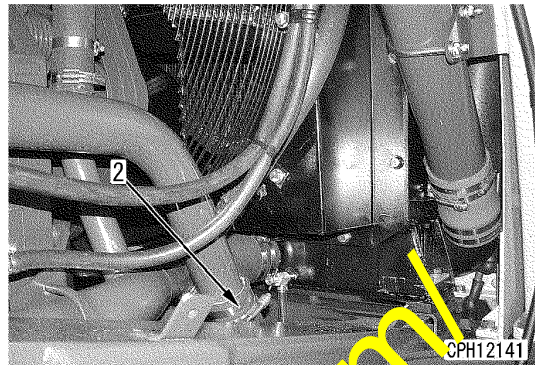
 Hydraulic tank: **122 ℓ**

3. Disconnect hose (1) from the underside of the cooling fan.



4. Disconnect hoses (2) and (3).
5. Remove tubes (4) and (5).
6. Supporting the engine and torque converter and transmission oil cooler assembly (6) with jacks, etc., remove them. ※ 1

 Engine and torque converter and transmission oil cooler assembly: **140 kg**




INSTALLATION


- Carry out installation in the reverse order to removal.


※ 1

 Mounting bolt: **Adhesive (LT-2)**

 Mounting bolt:
245 – 309 Nm {25 – 31.5 kgm}
[Target: 279 Nm {28.5 kgm}]

- **Refilling with oil**
Add oil through the oil filler to the specified level. Run the engine to circulate the oil through the system. Then, check the oil level again.

 Engine oil pan: **57 ℓ (EO30-CD)**

 Hydraulic tank: **122 ℓ (EO10-CD)**