

SERVICE PROCEDURE

**G-08502
NOVEMBER 2008**

**SUBJECT: SAFETY RECALL (U.S.)
ENGINE OIL COOLER on certain 1300, 3000, 4000,
7000, 8000 truck, and CE, FE, RE bus models built
6/1/06 thru 6/28/07 with DT466 or DT570 engines.**

DEFECT DESCRIPTION

The oil cooler base may crack which could result in sudden loss of engine oil. Loss of oil could cause an engine fire, sudden engine shutdown, or loss of vehicle control due to oil on the roadway.

MODELS INVOLVED

This Safety Recall involves certain 1300, 3000, 4000, 7000, 8000 truck, and CE, FE, RE bus models built 6/1/06 thru 6/28/07 with DT466 or DT570 engines.

PARTS INFORMATION

Part Number	Part Description	Quantity
1842530C93	Kit, Heat Exchanger w/ Seals DT466 ENGINE	1
1842127C93	Kit, Heat Exchanger w/ Seals DT570 ENGINE	1

Each kit contains the following parts.

Description	Quantity
Cooler Heat Exchanger	1
Coolant Seal	2
Oil Gasket	1
M8 x 20 bolt	8
Instruction Sheet	1

SERVICE PROCEDURE



WARNING:

TO PREVENT UNEXPECTED MOVEMENT OF THE VEHICLE AND POSSIBLE SERIOUS PERSONAL INJURY OR DEATH, BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS.



WARNING:

TO PREVENT SERIOUS EYE INJURY, ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE OR SERVICE.



WARNING:

TO PREVENT SERIOUS PERSONAL INJURY, POSSIBLE DEATH OR DAMAGE TO THE ENGINE OR VEHICLE, MAKE SURE THE TRANSMISSION IS IN NEUTRAL, PARKING BRAKE IS SET AND WHEELS ARE BLOCKED BEFORE DOING ANY DIAGNOSTIC OR SERVICE PROCEDURES ON ENGINE OR VEHICLE.



WARNING:

TO AVOID SERIOUS PERSONAL INJURY OR POSSIBLE DEATH, DO NOT REMOVE THE OIL SYSTEM MODULE FROM A HOT ENGINE. WAIT UNTIL THE ENGINE COOLS DOWN BEFORE REMOVING.



WARNING:

TO PREVENT PERSONAL INJURY OR DEATH, DO NOT LET ENGINE FLUIDS STAY ON YOUR SKIN. CLEAN SKIN AND NAILS USING HAND CLEANER AND WASH WITH SOAP AND WATER. WASH OR DISCARD CLOTHING AND RAGS CONTAMINATED WITH ENGINE FLUIDS.

SERVICE PROCEDURE (Continued)



GOVERNMENT REGULATION.

ENGINE FLUIDS (OIL, FUEL, AND COOLANT) MAY BE A HAZARD TO HUMAN HEALTH AND THE ENVIRONMENT. HANDLE ALL FLUIDS AND OTHER CONTAMINATED MATERIALS (e.g. FILTERS, RAGS) IN ACCORDANCE WITH APPLICABLE REGULATIONS. RECYCLE OR DISPOSE OF ENGINE FLUIDS, FILTERS, AND OTHER CONTAMINATED MATERIALS ACCORDING TO APPLICABLE REGULATIONS.

1. Put coolant drain pan under radiator drain.
2. Drain cooling system following instructions in the vehicle Service Manual.
3. Close radiator drain.
4. Put coolant drain pan under coolant drain plug shown in Figure 1.

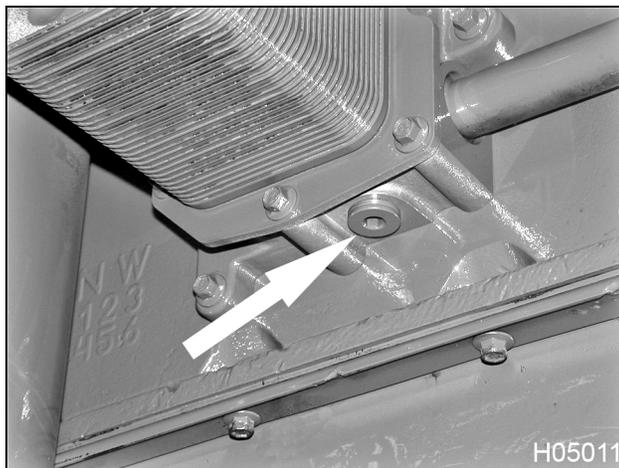


Figure 1. Coolant Drain Plug

5. Remove coolant drain plug and drain coolant from engine.

NOTE: It is not necessary to remove the oil cooler module assembly from the engine to remove the cooler heat exchanger.

6. Remove and discard the eight M8 x 20 bolts connecting the cooler heat exchanger to the oil cooler housing.
7. Separate the cooler heat exchanger from the oil cooler housing.

SERVICE PROCEDURE (Continued)

8. Remove and discard the oil seal and two coolant seals shown in Figure 2.

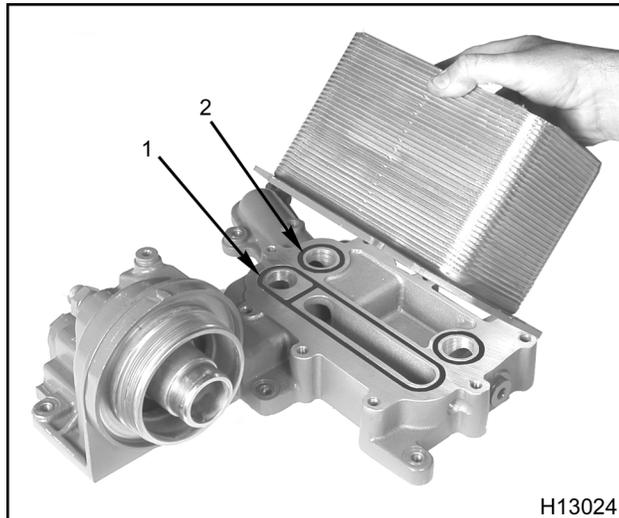


Figure 2. Heat Exchanger Seals

1. Oil Seal
2. Coolant Seals (2)

CAUTION: To prevent engine damage, do not contaminate new coolant seals with oil. Do not contaminate new oil seal with coolant.

9. Clean the oil cooler housing and install new oil seal and two new coolant seals.
10. Position the new cooler heat exchanger on the oil cooler housing and finger tighten eight new M8 x 20 bolts.
11. Tighten bolts 1 and 2 (shown in Figure 3) to 20.4 N-m (15 lbf-ft).
12. Tighten eight bolts to 28.6 N-m (21 lbf-ft) in the following sequence: 3, 4, 5, 6, 7, 8, 1, 2 (shown in Figure 3).

SERVICE PROCEDURE (Continued)

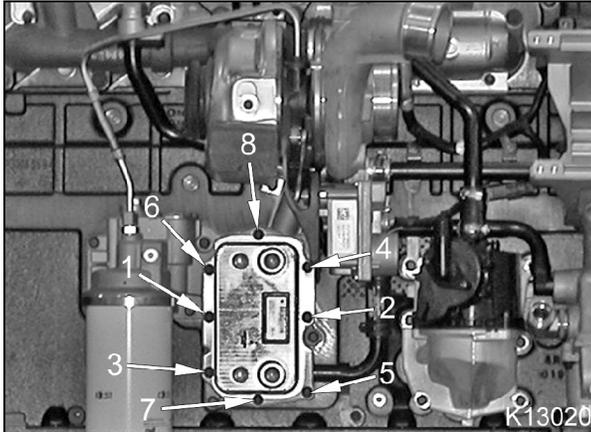


Figure 3 Torque Sequence for Cooler Heat Exchanger Bolts

13. Inspect coolant drain plug O-ring and replace if necessary.
14. Install coolant drain plug and tighten to 24 N-m (18 lbf-ft).
15. Refill cooling system.
16. Start engine and check for leaks. Turn engine off and repair any leaks.
17. Check coolant and oil levels.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-08502-1	Remove and Replace Engine Oil Cooler	1.5

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with this campaign must be marked with a CTS-1075 Campaign Identification Label.

Complete the label and attach on a clean surface next to the vehicle identification number (VIN) plate.

DO NOT REMOVE
INTERNATIONAL
Campaign No. _____
VIN _____
Eng.# _____
COMPLETED
Service Location Code # _____
DO NOT REMOVE

ADMINISTRATIVE/DEALER RESPONSIBILITIES – U.S. & POSSESSIONS

The National Traffic and Motor Vehicle Safety Act, as amended, provides that each vehicle that is subject to a vehicle recall campaign must be adequately repaired within a reasonable time after the owner has tendered it for repair. A failure to adequately repair within 60 days after a tender of a vehicle is prima facie evidence of failure to repair within a reasonable time. If the condition is not adequately repaired within 60 days, the owner may be entitled to replacement with an identical or reasonable equivalent vehicle at no charge, or to a refund of the purchase price less a reasonable allowance for depreciation.

Dealers must correct all vehicles subject to this campaign at no charge to the owner, regardless of mileage, age of vehicle, or ownership, from this time forward.

Dealers should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your dealer location.

Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

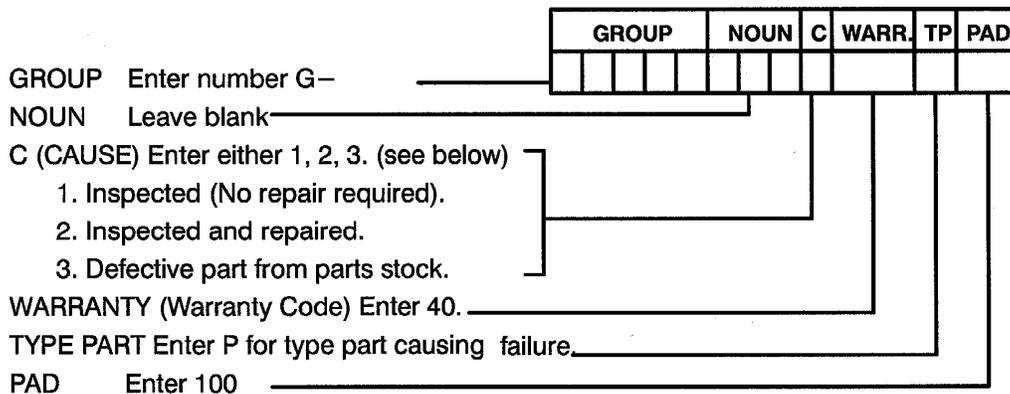
ADMINISTRATIVE/DEALER RESPONSIBILITIES – U.S. & POSSESSIONS (Continued)

Dealers involved in the recall process will be furnished a listing of owner names and addresses to enable them to follow up with owners and have the vehicles corrected. Use of this listing must be limited to this campaign because the list may contain information obtained from state motor vehicle registration records and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

WARRANTY CLAIMS

Refer to Dealer Warranty Manual for procedures to conduct Recall Campaigns.

It is important that the Recall Coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44:



ADMINISTRATIVE/DISTRIBUTOR RESPONSIBILITY – EXPORT

Export Distributors should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters and Authorization for Recall Service cards for those vehicles, the transfer location or customer must be notified immediately from your distributor location.

Export Distributors are to submit warranty claims in the usual manner making reference to this recall number.

ADMINISTRATIVE/DISTRIBUTOR RESPONSIBILITY – EXPORT
(Continued)

Export Distributors are expected to provide full cooperation and follow-up with respect to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

NAVISTAR, INC