

SERVICE PROCEDURE

**G-09502
MAY 2009**

**SUBJECT: SAFETY RECALL (U.S.)
ENGINE FAN DRIVE on certain 3200, 4300, 4400, 7300, 7400, 7500, 8500, CXT model trucks and 3000, CE, FE, and HC model buses built 4/1/08 thru 12/12/08 with a Navistar I-6 engine and feature code 12THT Horton 2-speed fan drive.**

DEFECT DESCRIPTION

The magnet brackets on the engine fan drive may separate and be thrown from the fan clutch and vehicle. The bracket could separate and strike a person or motor vehicle resulting in property damage, personal injury, and/or death.

MODELS INVOLVED

This Safety Recall involves certain 3200, 4300, 4400, 7300, 7400, 7500, 8500, CXT model trucks and 3000, CE, FE, and HC model buses built 4/1/08 thru 12/12/08 with a Navistar I-6 engine and feature code 12THT Horton 2-speed fan drive.

PARTS INFORMATION

Part Number	Part Description	Quantity
8900213R91	Kit, Engine Fan Drive Repair	1

SPECIAL TOOLS. The repair kit does not contain special Horton fan drive repair tools – a Torx T55 bit and a Cage Nut. These tools may be obtained free of charge by contacting Horton Customer Service at 1-800-621-1320.

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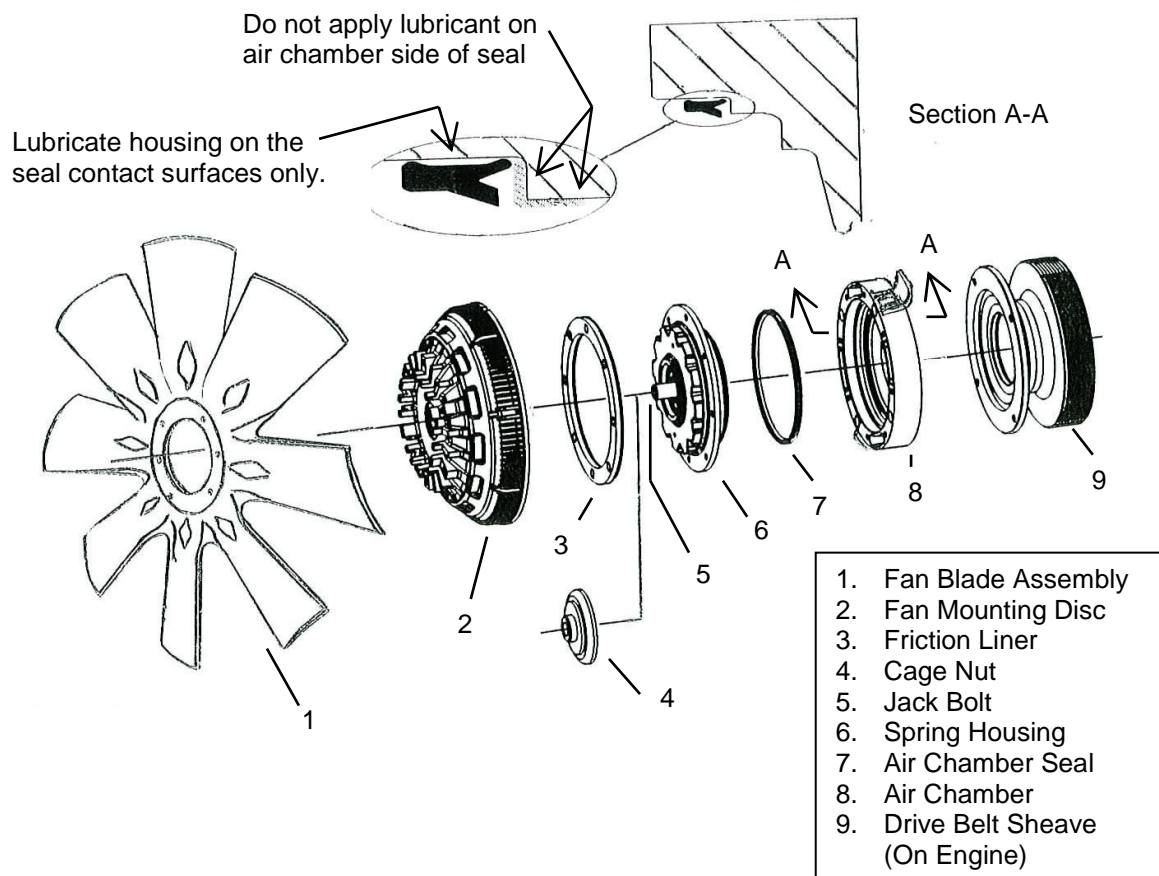
WARNING! PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, AND SET THE PARKING BRAKE. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

WARNING! BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

WARNING! ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE. FAILURE TO DO SO MAY RESULT IN SERIOUS EYE INJURY.

WARNING! ALLOW COMPONENTS IN ENGINE COMPARTMENT TO COOL BEFORE SERVICING ENGINE OR VEHICLE. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

1. Open the hood and remove splash panels as necessary to access the engine fan drive.



2. Remove the fan blade assembly from fan mounting disc. Set fan aside in radiator shroud opening.

3. Remove fan drive assembly from the drive belt sheave and take it to a suitable workbench.
4. Use a pry bar across the fan mounting disc studs for leverage and remove the fan mounting disc by loosening the jack bolt (left-hand thread) using a T55 Torx Plus bit.
5. Hand-tighten the cage nut onto the jack bolt (left hand thread) over the spring housing. The cage nut will keep the spring housing and piston together as an assembly. It will also maintain pressure on the internal springs when the friction liner is removed.
6. Clean hands of all grease and remove the friction liner handling it by the edges to avoid contamination.
7. Remove the spring housing from the air chamber. Discard air chamber and seal.
8. Lubricate the new air chamber seal and contact surfaces of the new air chamber with fresh lubricant (included in kit). Do not apply lubricant on the housing surfaces on the air chamber side of the seal – See Diagram. The entire tube of lubricant should be used.
9. Install the air chamber seal into the air chamber. Be sure the seal is evenly seated against the side and bottom of the seal groove surfaces.
10. Carefully install the spring housing into the air chamber. Gently rotate the parts to align the mounting holes.
11. Clean hands of all grease and install the friction liner by alternately and evenly tightening the fasteners to 80 in-lbs (9 Nm). Handle the friction liner by the edges to avoid contamination.
12. Remove the cage nut from the spring housing.
13. Install the fan mounting disc by threading it onto jack bolt (left-handed thread) of the spring housing. Using a pry bar across the fan mounting disc stud, torque the jack bolt to 100 ft-lbs (136 Nm). Be careful to avoid damage to the magnets.
14. Install the fan drive assembly onto the drive belt sheave. Torque the fasteners to 23.6-28.0 ft-lbs (32-38 Nm).
15. Install the fan blade assembly onto the fan mounting disc. Torque the fasteners to 23.6-28.0 ft-lbs (32-38 Nm).
16. Start the engine and let the air pressure build to at least 90 psi (6.21 bar).

17. Turn off the engine.

18. Manually engage and disengage the fan drive by opening and closing the electrical circuit going to the solenoid valve. With the fan drive engaged, check the system for air leaks.

END OF SERVICE PROCEDURE

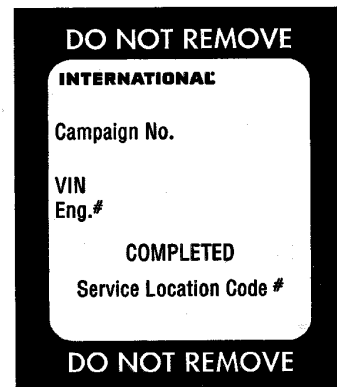
LABOR INFORMATION

Operation Number	Description	Time
A40-09502-1	R &R Fan Drive Air Chamber Housing	1.0

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.



The image shows a black rectangular label template with white text. At the top and bottom, it says "DO NOT REMOVE". In the center, there is a white rounded rectangle containing the word "INTERNATIONAL" at the top. Below that, there are fields for "Campaign No.", "VIN", and "Eng.#". At the bottom of the white area, it says "COMPLETED" and "Service Location Code #".

ADMINISTRATIVE/DEALER RESPONSIBILITIES

UNITED STATES AND 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.

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:

	GROUP	NOUN	C	WARR.	TP	PAD
GROUP Enter number G—						
NOUN Leave blank						
C (CAUSE) Enter either 1, 2, 3. (see below)						
1. Inspected (No repair required).						
2. Inspected and repaired.						
3. Defective part from parts stock.						
WARRANTY (Warranty Code) Enter 40.						
TYPE PART Enter P for type part causing failure.						
PAD Enter 100						

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.

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