



## **VEHICLE FACTORS ATTACHMENT**

Navistar Vehicle Recall G-09501

**Oakland, Iowa**

**HWY18MH003**

(10 pages)

# ***SERVICE PROCEDURE***

**G-09501 R1  
JUNE 2009**

**SUBJECT: SAFETY RECALL (U.S.)  
HEATER BLOWER MOTOR on certain BE, CE, AND  
FE model buses built 2/2/00 thru 6/2/08 with  
entrance door stepwell heater feature code  
0048PMS or 0548001 and/or a rear wall mounted  
heater feature code 0048TAR or 0048PSX.**

## **REVISIONS**

Revision 1. – June 2009. The step to inspect and copy the electrical harness setup on the blower motor body was added in both the stepwell and rear wall mounted heater repair instructions.

## **DEFECT DESCRIPTION**

The heater blower motor located in certain entrance door stepwell heater units and rear wall mounted heater units may fail in low speed operation causing elevated temperatures that can result in ignition of any nearby combustible materials resulting in possible property damage, personal injury, or death.

## **MODELS INVOLVED**

This Safety Recall involves certain BE, CE, and FE model buses built 2/2/00 thru 6/2/08 with entrance door stepwell heater feature code 0048PMS or 0548001 and/or a rear wall mounted heater feature code 0048TAR or 0048PSX.

## **PARTS INFORMATION**

Part Number	Quantity	Used For
8900212R91	1	Stepwell Heater Units Feature Codes 0048PMS or 0548001
	2	Rear Wall Mounted Heater Feature Code 0048TAR or 0048PSX

## SERVICE PROCEDURE

**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.

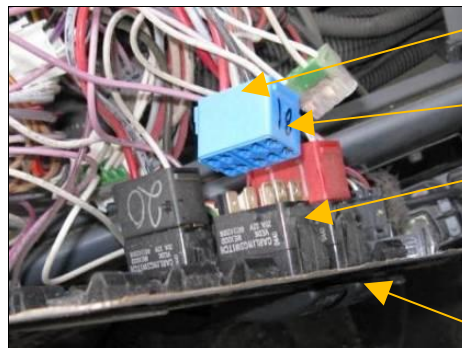
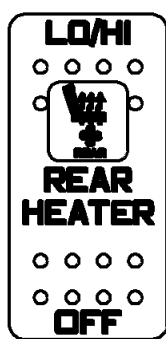
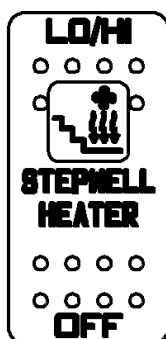
**WARNING!** ALLOW COMPONENTS IN STEPWELL AND/OR REAR WALL HEATER UNITS TO COOL BEFORE SERVICING. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

**WARNING!** PLACE THE ENGINE START SWITCH AND HEATER BLOWER MOTOR CONTROL SWITCH(S) ON THE DRIVER'S CONTROL PANEL IN THE "OFF" POSITION. FAILURE TO DO SO MAY CAUSE AN ELECTRICAL SHORT RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

### Blower Motor Control Switch Interim Action Reversal

One option of the recall interim action was to disconnect the blower motor low speed electrical circuit by de-pinning a wire at the blower motor control switch(s). This procedure is to inspect for this interim repair action and reverse it, if necessary.

1. Locate the stepwell and/or rear wall mounted heater blower motor switch on the driver control panel.



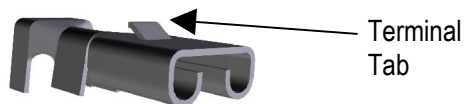
Cavity Numbers On Side Of Connector

Harness Connector

Heater Switch

Control Switch Panel

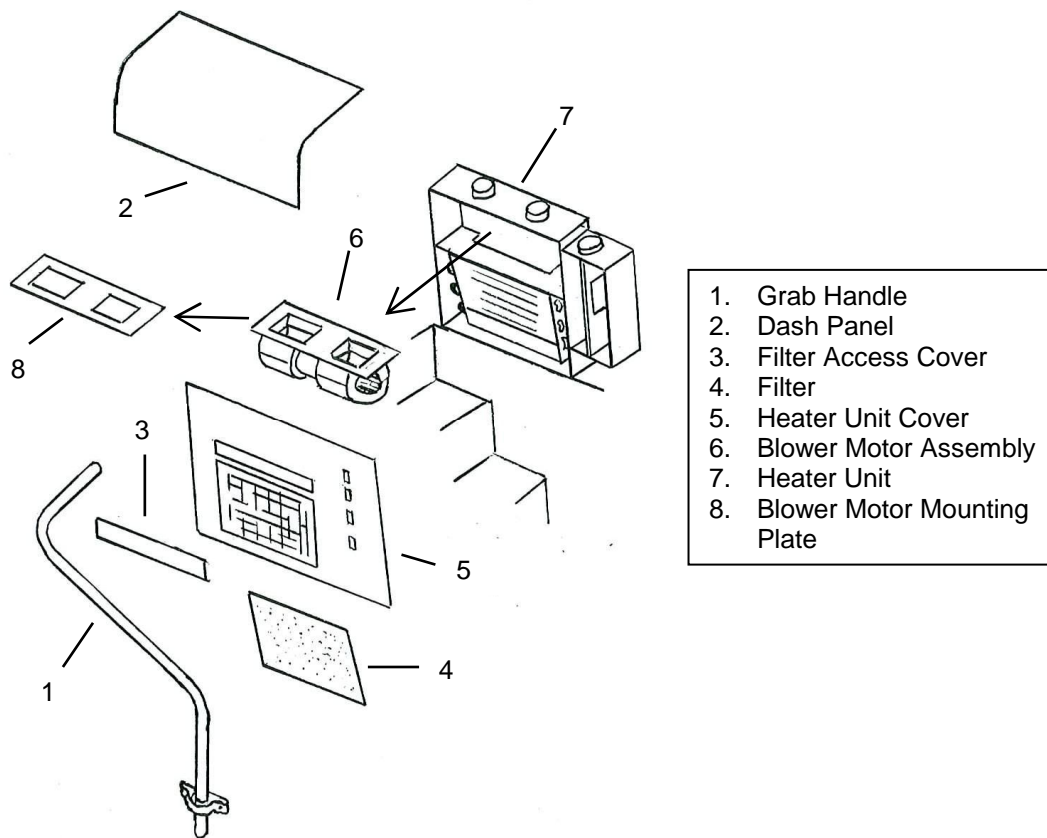
2. Remove the panel cover that holds the switch(s), remove the harness connector from the switch and find cavity 3 of the harness connector (numbered on the side of connector).
3. If cavity 3 has a wire in it:
  - a. No repair is needed.
  - b. Install harness connector onto switch.
  - c. Install switch panel back onto driver's control panel.
  - d. Blower motor control switch inspection is complete.
4. If cavity 3 is empty:
  - a. Locate the 12 gauge wire with terminal that was de-pinned as part of the recall interim action.
  - b. Install the wire terminal in cavity 3. The tab on the wire terminal should snap into the harness connector to keep it fastened. Gently pull on wire to verify.



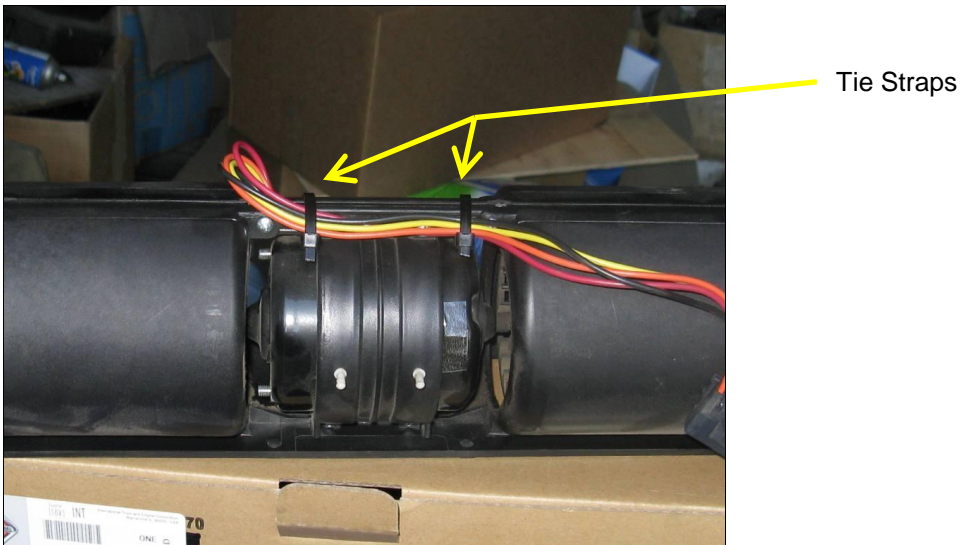
- c. Install harness connector onto switch.
- d. Install switch panel onto driver's control panel.
- e. Blower motor control switch interim action reversal is complete.

**SERVICE PROCEDURE CONTINUED ON NEXT PAGE**

## Stepwell Heater Repair



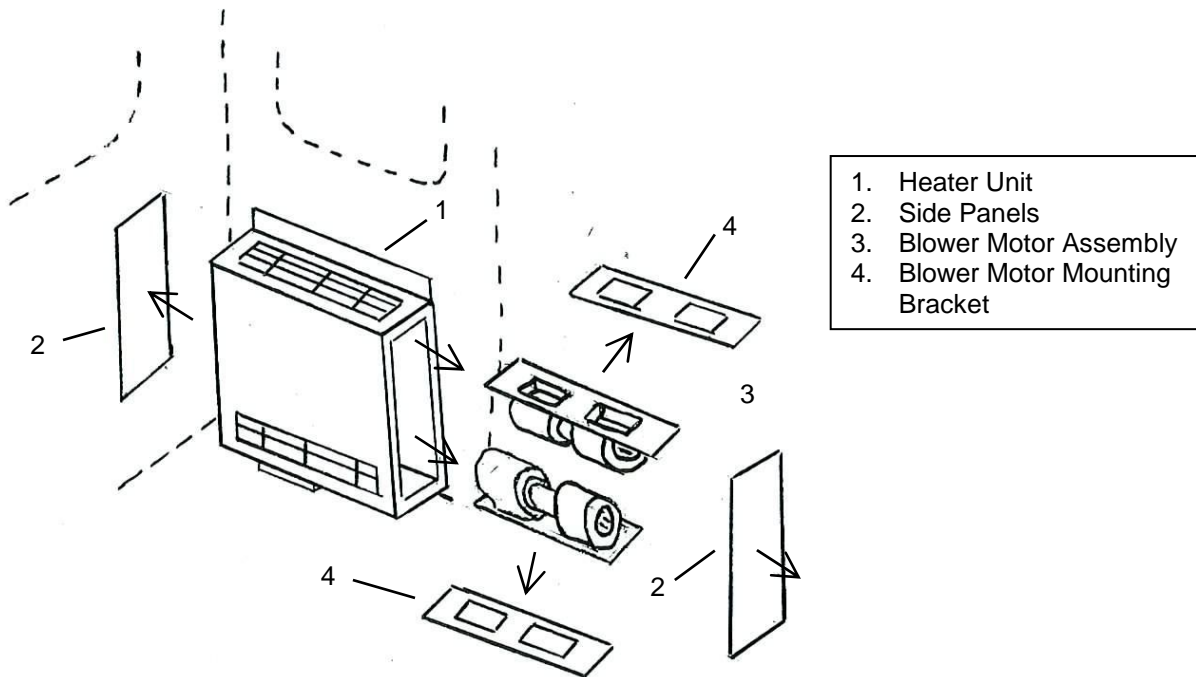
- All component mounting hardware (screw, bolts, nuts, washers, etc.) should be retained upon disassembly and reused upon reassembly.
1. Remove and set aside grab handle, dash panel cover, filter access cover, filter, and heater unit cover.
  2. Disconnect the electrical harness connector at the blower motor assembly and remove it from heater unit.
  3. Remove blower motor mounting plate from assembly.
  4. Install a new blower motor on mounting plate.
  5. Visually inspect the old blower motor and determine if its electrical harness is tie strapped to the blower motor body as shown. Add or remove tie straps to the new replacement blower motor body and its harness to copy the old blower motor set up.



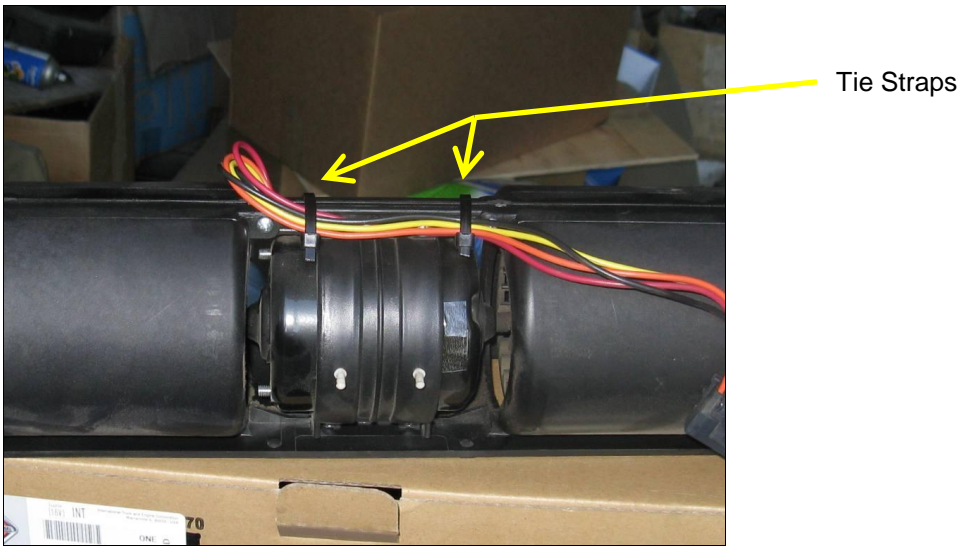
6. Connect electrical harness connector at the blower motor assembly and install it in heater unit.
7. Install heater unit cover, filter, filter access cover, dash panel cover, and grab handle.
8. Verify that blower motor operates appropriately in off, low speed, and high speed control switch positions.
9. Discard the blower motor that was replaced.

**SERVICE PROCEDURE CONTINUED ON NEXT PAGE**

## Rear Wall Mounted Heater Repair



- All component mounting hardware (screw, bolts, nuts, washers, etc.) should be retained upon disassembly and reused upon reassembly.
1. Remove seats and/or equipment as necessary to access heater unit.
  2. Remove the heater unit wall mounting screws.
  3. Adjust the heater position; remove and set aside both heater unit side panels.
  4. Disconnect the electrical harness connector at the blower motor assemblies and remove both of them from heater unit.
  5. Remove blower motor mounting plate from both assemblies.
  6. Install a new blower motor on each mounting plate.
  7. Visually inspect the old blower motor and determine if its electrical harness is tie strapped to the blower motor body as shown. Add or remove tie straps to the new replacement blower motor body and its harness to copy the old blower motor set up.



8. Connect the electrical harness connector at both blower motor assemblies and install them in the heater unit.
9. Install both heater unit side covers.
10. Fasten heater unit to wall.
11. Verify that blower motor operates appropriately in off, low speed, and high speed control switch positions.
12. Install seats and/or equipment as necessary.
13. Discard the blower motors that were replaced.

## **END OF SERVICE PROCEDURE**

### **LABOR INFORMATION**

<b>Operation Number</b>	<b>Description</b>	<b>Time</b>
A40-09501-1	Inspect/Reverse Interim Action R&R Stepwell Heater Blower Motor	0.6
A40-09501-2	Inspect/Reverse Interim Action R&R Rear Wall Mounted Heater Blower Motor	0.6



## **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**

### **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.

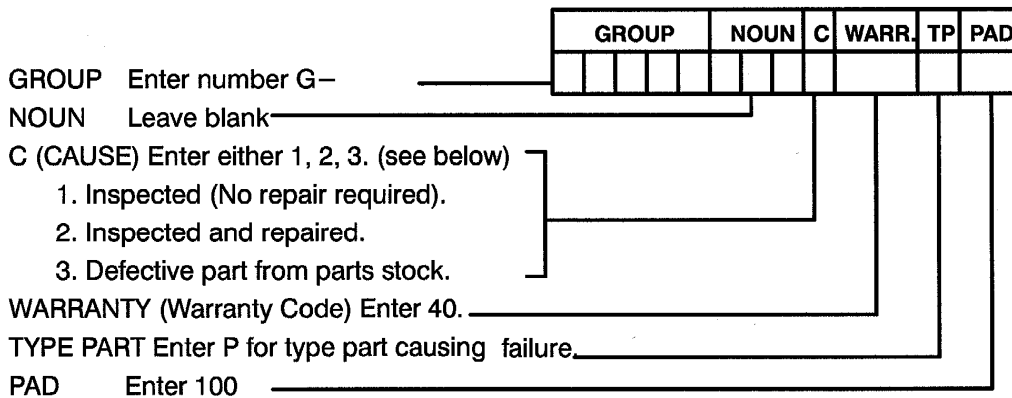
Dealers must make every effort to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible. However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

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:



## 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