

SERVICE PROCEDURE

**G-10505
MARCH 2010**

**SUBJECT: SAFETY RECALL
PARKING BRAKE on certain 3300, 4100, 4300,
4400, BE, CE, and FE models built 1/28/09 thru
2/9/10 with feature code 04085 WABCO hydraulic
brake system and code 04GAW power park brake.**

DEFECT DESCRIPTION

The powered parking brake may release if the brake system electronic control unit software misinterprets input signals generated from rapidly cycling the ignition switch. Release of the parking brake may cause a sudden, unexpected shift in vehicle position possibly resulting in property damage, personal injury, or death.

MODELS INVOLVED

This Safety Recall involves certain 3300, 4100, 4300, 4400, BE, CE, and FE models built 1/28/09 thru 2/9/10 with feature code 04085 WABCO hydraulic brake system and with feature code 04GAW powered parking brake. Note: vehicles built without powered park brakes are not involved.

PARTS INFORMATION

There are no parts for this safety recall remedy.

SERVICE PROCEDURE

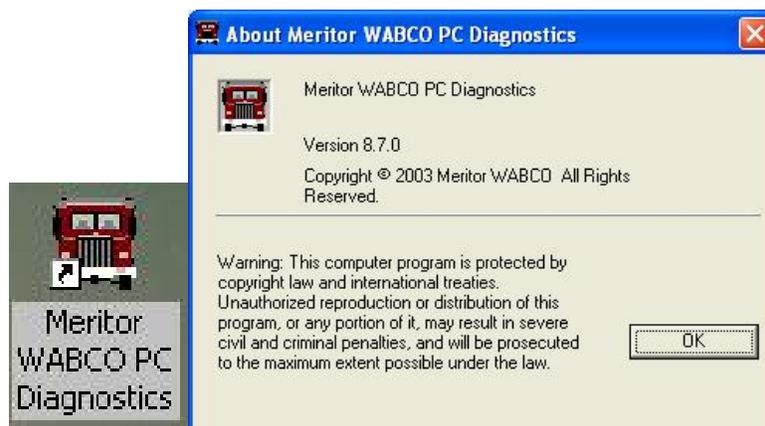
WARNING! PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, SET THE PARKING BRAKE AND BLOCK THE WHEELS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH.

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

1. This repair will involve the updating of the WABCO brake ECU software.
2. Determine if the gauge cluster is equipped with an ammeter. The ammeter location is shown in picture below. This example does not have an ammeter.



3. If the vehicle is equipped with an ammeter, remove its fuse from the chassis fuse block.
4. Select and run the *Meritor WABCO PC Diagnostics*. Select *Help >> About*. Verify that Version 8.7.0 or newer is installed. If EZ-Tech is not equipped with the specified software version, stop and contact EZ-Tech Programming Support to obtain the correct software.



5. Select and run the *HPB Programmer*.



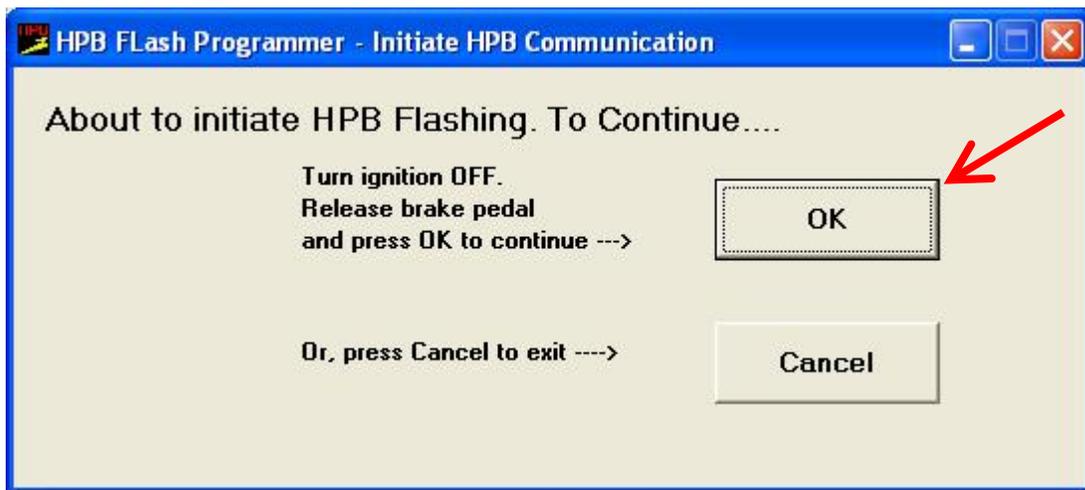
6. Verify that HPB Programmer v3.0.2 is installed. If EZ-Tech is not equipped with the specified software version, stop and contact EZ-Tech Programming Support to obtain the correct software.



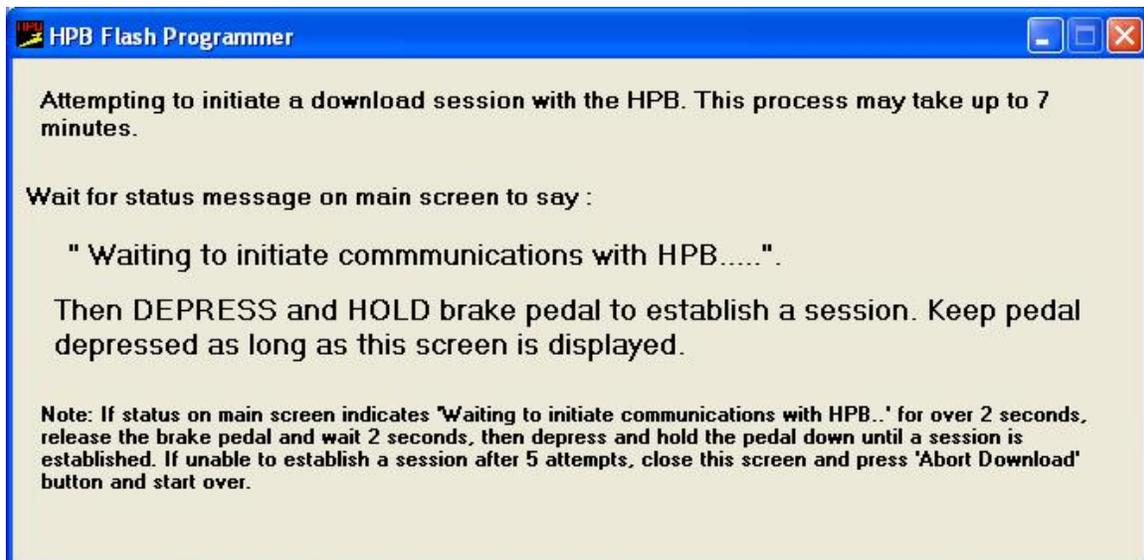
7. Ensure that the *IC4 USB Adapter* is selected, press *Start Download*.



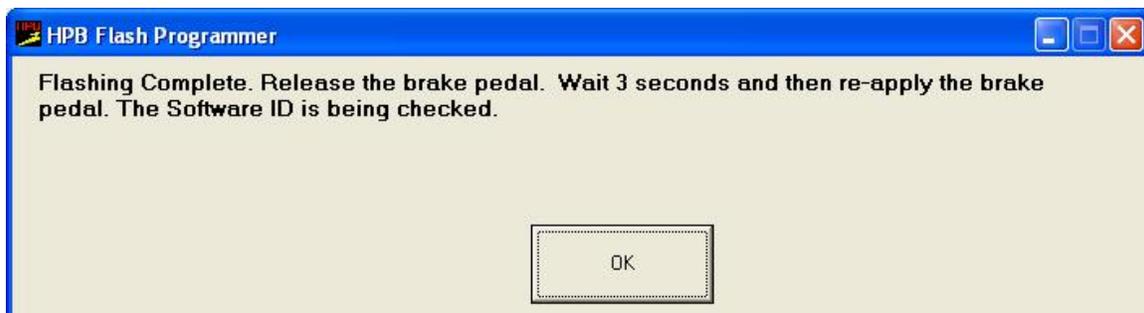
8. Following the on-screen instructions, with the ignition **OFF**, and brake pedal released, press **OK**.



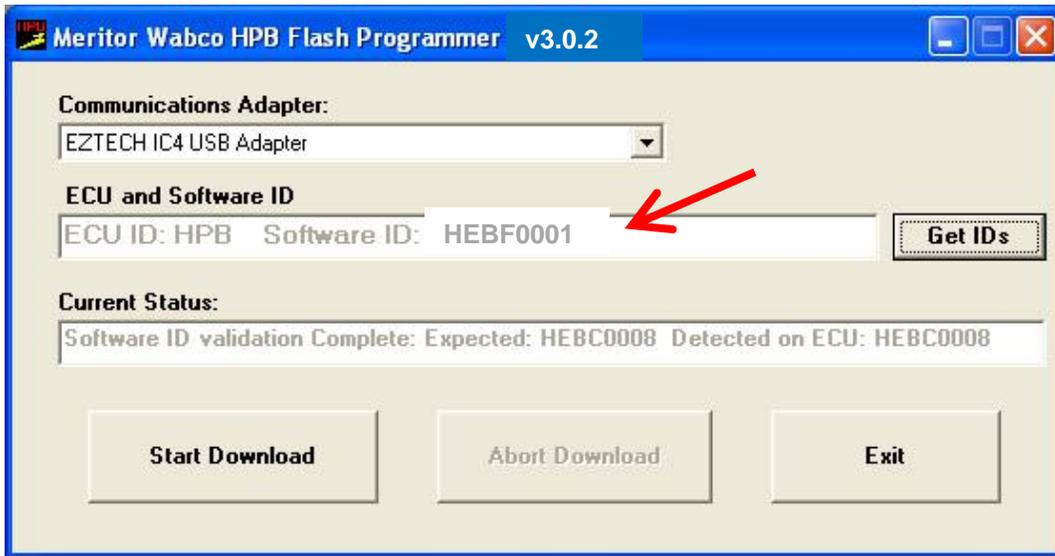
9. To initiate the ECU re-flash, depress and **HOLD BRAKE PEDAL** during entire process.



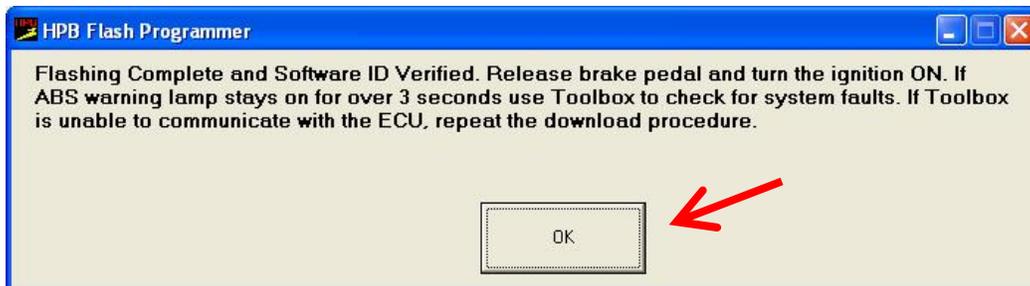
10. When the re-flash is complete, the following screen is displayed. Release the brake pedal. Wait three (3) seconds. Apply brake pedal.



11. Ensure the Software ID is: HEBF0001.



12. Brake ECU is now re-flashed. Press OK, close the HPB Programmer.



13. Select and run the *Meritor WABCO PC Diagnostics*.



14. Select *System Setup*, and select *COM PORT*.



15. Ensure the IC4 Interface Device is selected and Protocol is set to J1708. Select *OK*

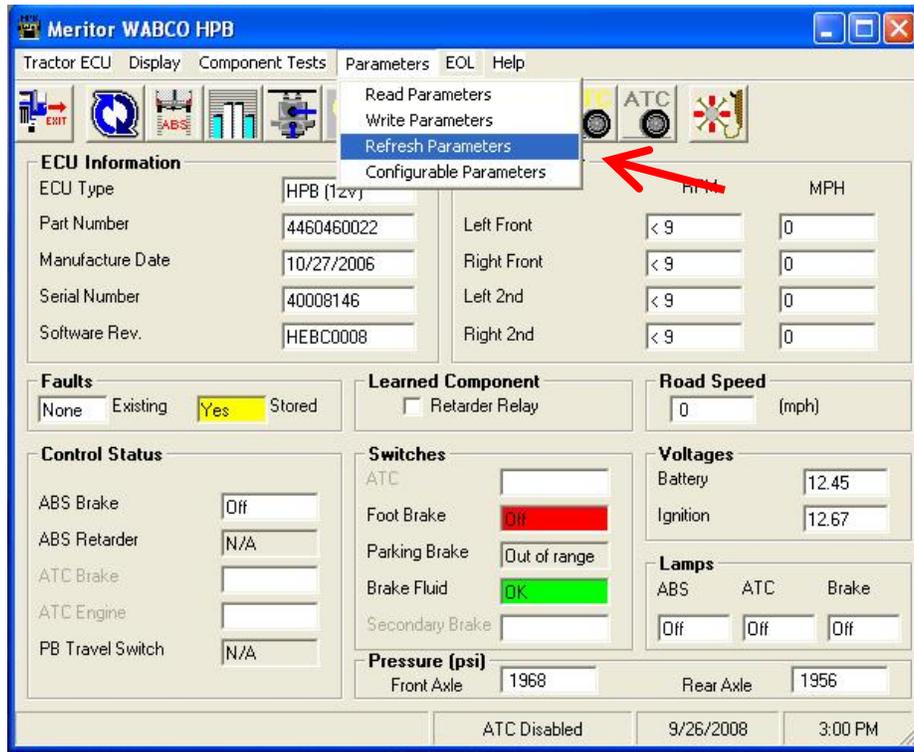


16. Turn the ignition to the "ON" position. Do not start the vehicle.

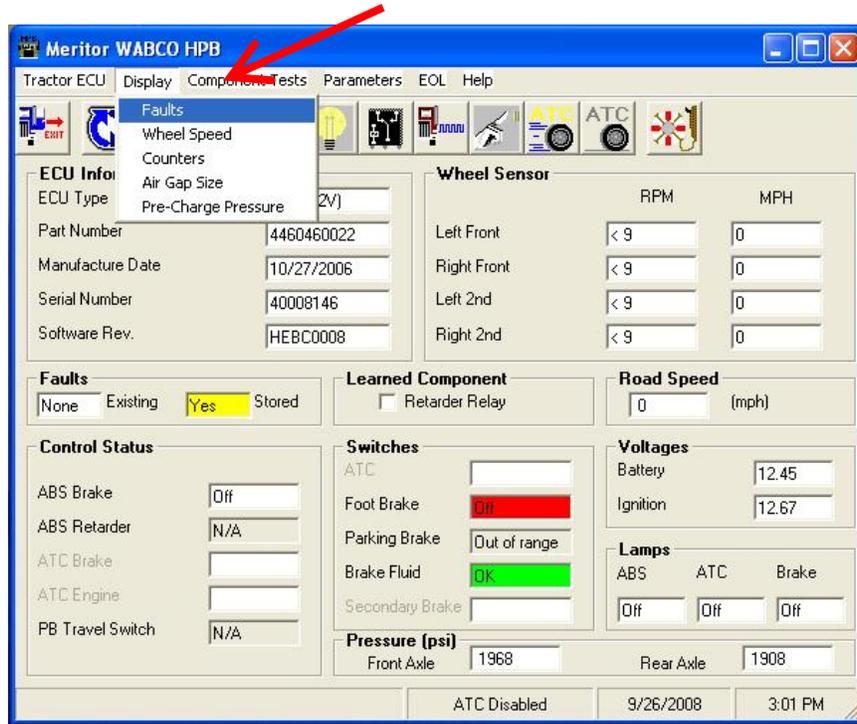
17. Select the *HABS* icon.



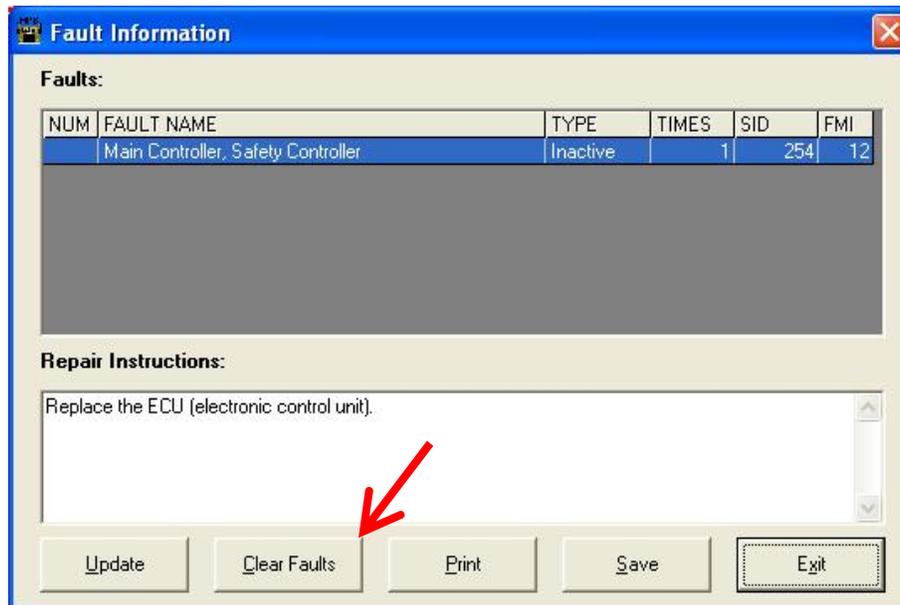
18. Select Parameter, and select Refresh Parameters.



19. Open DISPLAY, and then select FAULTS.



20. Press *CLEAR FAULTS*. Any faults will be displayed in the FMI column.



21. Once fault codes are cleared, press *EXIT* and close program

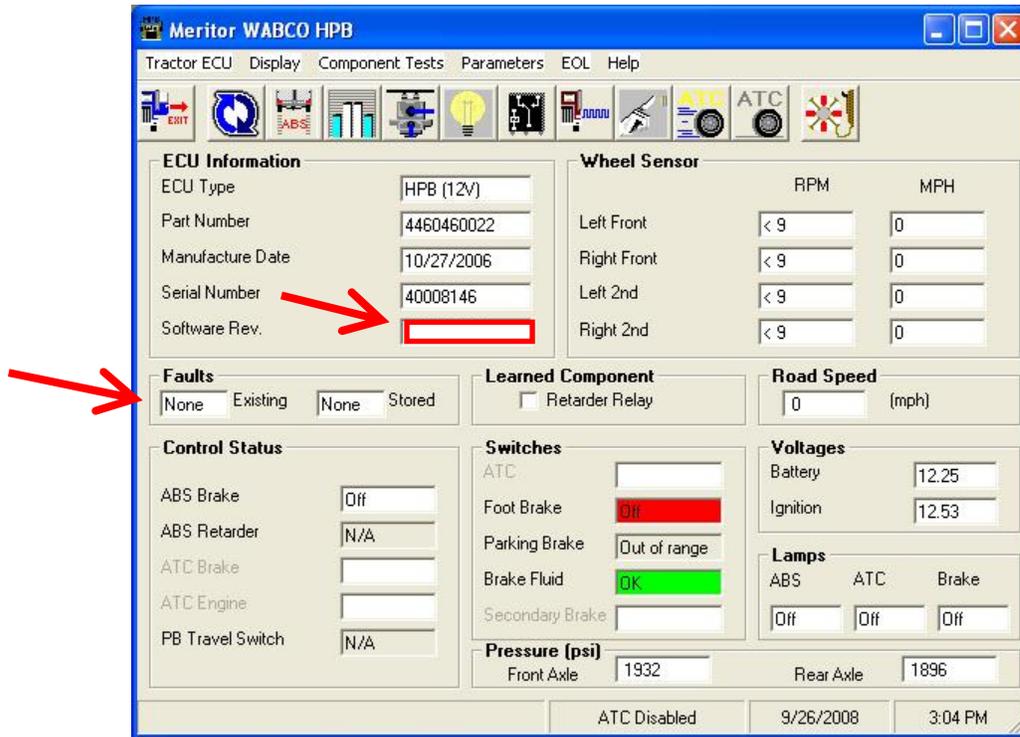
22. Turn ignition 'OFF.'

23. Wait 5 seconds and then turn the ignition to the "ON" position. Do not start the vehicle.

24. Again select the *HABS* icon.



25. Verify the software revision level is HEBF0001 and no faults exist.



26. Disconnect IC4 USB cable from vehicle.

27. Install the ammeter fuse, if applicable.

28. Check brakes for proper operation.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-10505-1	Update WABCO ECU Software	0.4

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

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						

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.

CANADA

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.

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and the use of such motor vehicle registration data for purposes other than this campaign is a violation of law in several states.

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