



INTERNATIONAL® **VEHICLE RECALL**

G-99511
December, 1999

SUBJECT: VEHICLE RECALL (U.S., EXPORT)
**Air Brake Line Interference with Exhaust on 3800 and Amtran
FE Buses**

DEFECT DESCRIPTION

An air brake line controlling the rear brakes may be too close to the exhaust pipe and may rupture at any time without warning under normal driving conditions. Exhaust pipe heat can melt or cause premature failure of this air line if the air line is routed too close to the exhaust pipe.

If the air line ruptures the loss of air pressure in the rear brake system may result in the following two conditions: 1. The rear brakes may not actuate when the operator applies pressure to the brake pedal (loss of rear brakes) and 2. The rear park brake may automatically apply and cause the vehicle to slow or stop until air pressure is restored. A ruptured air line could cause a vehicular accident, resulting in possible property damage, personal injury, or death.

MODELS INVOLVED

3800 and Amtran FE bus models built 8/12/97 through 9/27/99 with air ABS, air suspension, and a left side tail pipe. All models will require the same repair procedure, see the "Service Procedure" section of this letter.

OWNER NOTIFICATION

Owners will be notified of this campaign on their vehicles by Navistar. A copy of the owner letter is attached. During the recall process a listing of owner names and addresses will be furnished to the involved dealers to enable dealers to follow up with owners and have the vehicles corrected. You must limit the use of this listing to this campaign since 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.

SERVICE PROCEDURE

Before performing the service, please read and understand the following instructions completely.

WARNING: To prevent serious eye injury, always wear safe eye protection when you perform vehicle maintenance or service.

WARNING: Block the wheels to prevent the vehicle from moving. Support the vehicle with safety stands. Do not work under a vehicle supported only by jacks. Jacks can slip or fall over resulting in serious personal injury or death.

Please read the following steps carefully before proceeding.

1. Disconnect the rearmost primary delivery air line from the 90 degree elbow at the relay valve (see Figure 1, page 3).
2. Remove the 90-degree elbow from the relay valve.
 - 2.1. If the double check valve is located in the forward port of the relay valve proceed according to the following steps (see Figure 1, page 3).
 - 2.1.1. Remove the elbow from the relay valve.
 - 2.1.2. Apply pipe sealant to the new short 90-degree elbow and tighten the elbow to the position shown in Figure 1, page 3. Be sure the elbow is positioned 30 degrees above horizontal and skip to step 3.
 - 2.2. If the double check valve is located in the rearward port of the relay valve proceed according to the following steps (see Figure 2, page 4):
 - 2.2.1. Disconnect both control air lines from the double check valve.
 - 2.2.2. Rotate the double check valve 90 degrees counterclockwise as shown in Figure 3, page 5.
 - 2.2.3. Remove the 90-degree elbow.
 - 2.2.4. Remove the double check valve from the relay valve.
 - 2.2.5. Clean the threads on the double check valve.
 - 2.2.6. Apply pipe sealant to the clean threads of the double check valve.
 - 2.2.7. Reinstall the double check valve to the position as shown in Figure 3, page 5 by stopping a ¼ turn from the final tight position (see Figure 2, page 4 for the final tight position).
 - 2.2.8. Apply pipe sealant to the new short 90-degree elbow and tighten the elbow to the position shown in Figure 2, page 4. Be sure the elbow is positioned 30 degrees above horizontal.
 - 2.2.9. Rotate the double check valve to the final tight position shown in Figure 2, page 4.
 - 2.2.10. Reinstall both control air lines into the double check valve.
3. If the primary delivery air line is not damaged from the exhaust heat:
 - 3.1. Clean all paint and dirt 3 inches from the end of the air line.
 - 3.2. Cut 1.5 inches off the end of the air line ensuring a square cut.
 - 3.3. Insert the air line into the new elbow.
 - 3.4. Install a strap lock around all the air lines about 10 inches ahead of the relay valve if one is not already in place.
 - 3.5. Check the system for air leaks.

4. If the primary delivery air line is damaged from the exhaust heat proceed with the following steps:
 - 4.1. Remove the air line support clamps.
 - 4.2. Completely remove the air line by disconnecting the air line from the double check valve that is mounted to the right frame rail.
 - 4.3. Install the new air line to the double check valve that is mounted on the right frame rail.
 - 4.4. Route the new air line over the top of the relay valve.
 - 4.5. Connect the new air line to the elbow at the relay valve.
 - 4.6. Secure the new air line to the existing air lines using a strap lock. Position the strap lock 10 inches ahead of the relay valve.
 - 4.7. Check the system for air leaks.

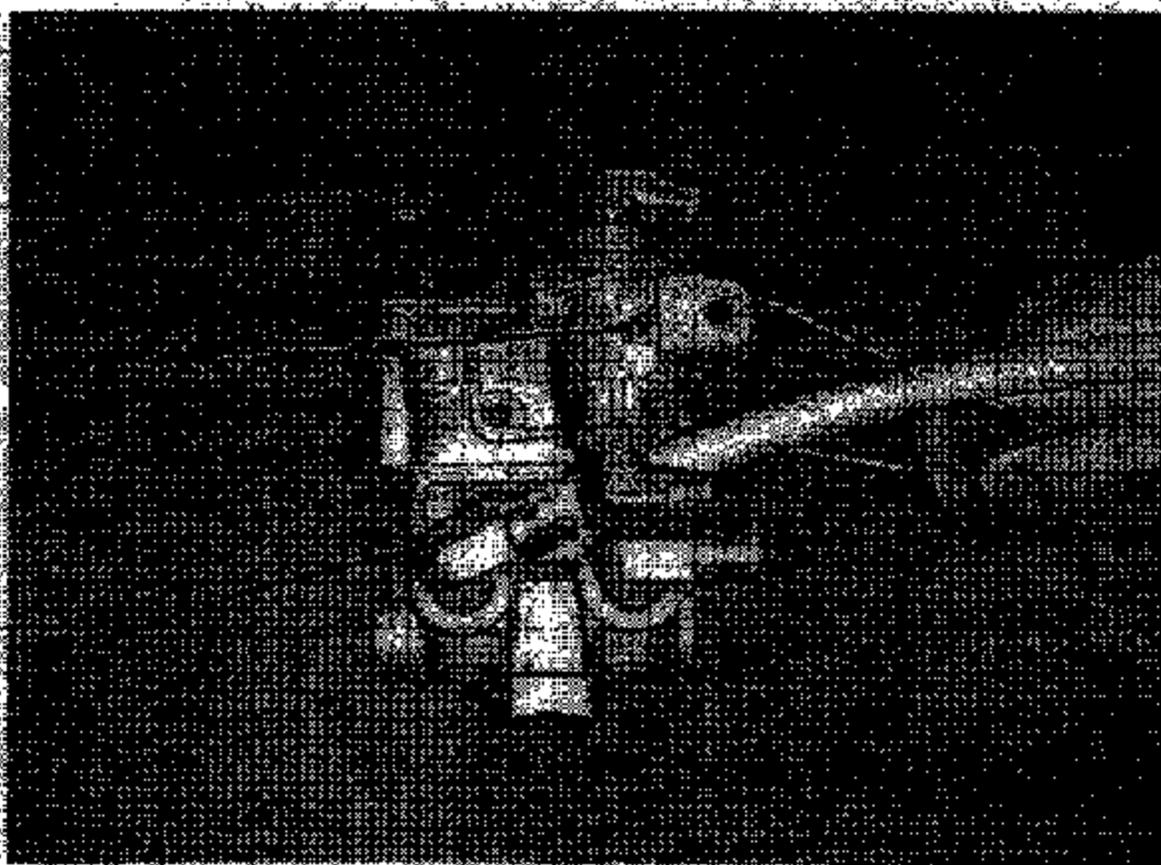


Figure 1

1. This is the rearmost primary delivery air line described in Service Procedure step 1.
2. Here the double check valve is located in the forward port of the relay valve as described in Service Procedure step 2.1.
3. Here the new elbow is shown in the final tight position as described in Service Procedure step 2.1.2.

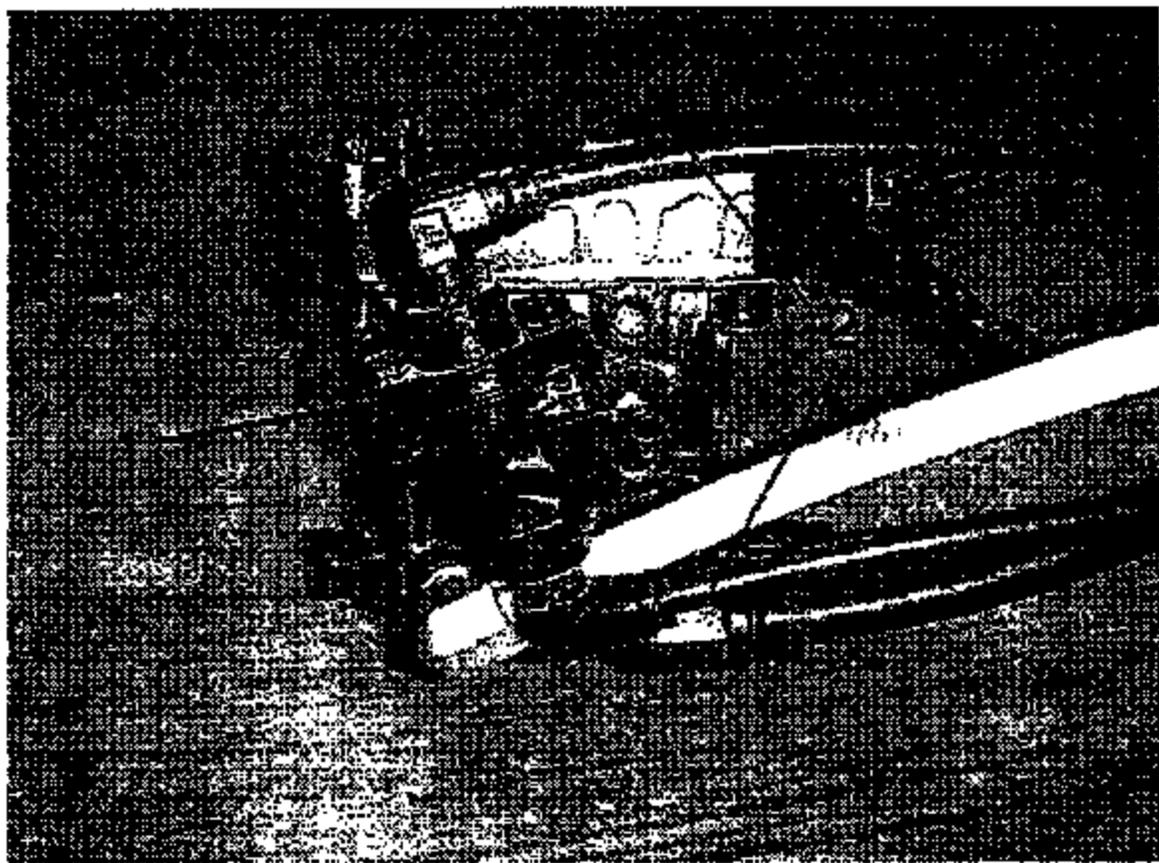


Figure 2

1. Here the double check valve is located in the rearward port of the relay valve and in the final tight position as described in the Service Procedure steps for 2.2.
2. Two control air lines must be removed to allow removal of the double check valve as described in the Service Procedure steps for 2.2.

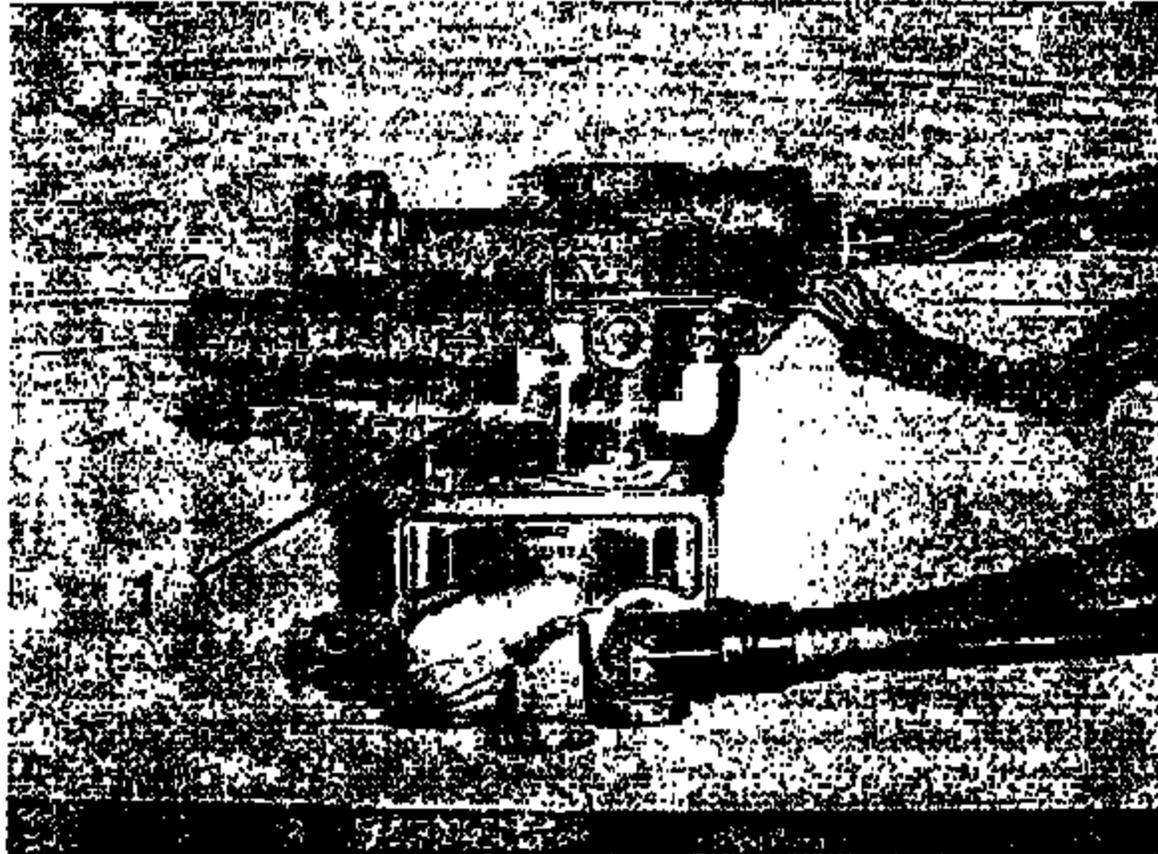


Figure 3

1. Here the double check valve is rotated 90 degrees counterclockwise to allow for the removal of the 90-degree elbow as described in Service Procedure step 2.2.2.

PARTS INFORMATION

One elbow PN 2017519C1 is required for each vehicle in this campaign. Some vehicles will require up to 5 feet of air line hose PN 2643448R1 in addition to the elbow.

LABOR INFORMATION

This recall requires one Labor Operation to complete the repair. Labor Operation one or two may be submitted on a Warranty Claim.

Operation No.	Description	Time
A40-99511-1	Install elbow (2017519C1) & reroute air line	0.4 Hrs.
A40-99511-2	Install elbow (2017519C1) and replace Air line (2643448R1)	0.6 Hrs.

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with Campaign G-09511 will require a CTS-1075 Campaign Identification Label.

Attach the CTS-1075 label on a clean surface next to the vehicle identification number (VIN) plate.



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

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, transfer location or customer must be notified IMMEDIATELY from your dealer location.

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.

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.

However, consistent with the customer notification, dealers are expected to complete the repairs on the mutually agreed upon service date.

In order to avoid having to replace an owner vehicle or refund the purchase price, every effort must be made to promptly schedule an appointment with each owner to repair his or her vehicle as soon as possible.

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
99511		2	40	P	100

GROUP Enter Recall Number 99511

NOUN Leave Blank

C (CAUSE) Enter either 1, 2, or 3.

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.

ADMINISTRATIVE/DISTRIBUTOR RESPONSIBILITY (EXPORT)

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, transfer location or customer must be notified from your distributor location.

Export locations are to submit warranty claims in the usual manner making reference to Safety Recall G-99511.

We ask for your full cooperation and follow-up to this important subject matter. If you have any questions or need further assistance, please contact the Regional Service Manager at your regional office.

Distribution: All Dealers

NAVISTAR INTERNATIONAL TRANSPORTATION CORP.

Navistar International
Transportation Corp.

455 North Cityfront Plaza Drive
Chicago Illinois 60611
Telephone 312 636-2000



INTERNATIONAL

SAFETY RECALL 99511

December, 1999

Dear International Customer:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Navistar International Transportation Corp. has determined that a defect related to motor vehicle safety exists on 3800 and FE buses with air ABS brakes, air suspension, a left side tail pipe, and built between 8/12/97 and 9/27/99. The vehicle identified on the enclosed card fits this description and our records show that you own this vehicle.

REASON FOR THIS RECALL

An air brake line controlling the rear brakes may be routed too close to the exhaust pipe and may rupture at any time without warning under normal driving conditions. Exhaust pipe heat can melt or cause premature failure of this air line if the air line is routed too close to the exhaust pipe. If this air line ruptures the loss of air pressure in the rear brake system may result in the following two conditions: 1. The rear brakes may not actuate when the operator applies pressure to the brake pedal (loss of rear brakes) and 2. The rear brakes may automatically apply and cause the vehicle to slow or stop until air pressure is restored. A ruptured air line could cause a vehicular accident, resulting in possible property damage, personal injury, or death.

ACTION YOU SHOULD TAKE

Dealers have the instructions to perform this repair. Please contact your International dealer and arrange to repair your vehicle as soon as possible. The remedy is to install a shorter elbow, reroute the air line, and replace the air line if damaged. The repair will be made without charge to you and may require up to approximately one hour of repair time.

OVER PLEASE

NAVISTAR

IMPORTANT - PLEASE NOTE

If the vehicle will not or cannot be corrected, please mark on the enclosed card under "CHECK ONE", the box which best describes why the vehicle will not be repaired, and return the postage-prepaid card to us. In the event you no longer own the vehicle described on the card, please fill in the new customer name and address, if known, and return it to us. This information will allow us to update our records so that we can contact the new owner and you will not be contacted again regarding this recall.

IF YOU NEED ASSISTANCE

If you take your vehicle to your International dealer on a mutually agreed upon service date, and the dealer does not remedy this condition without charge on that date or within five days, you can obtain assistance by following the procedure described in the Owner Assistance Guide section in your Owner's Manual or by calling toll free 1-800-448-7825.

You may also wish to submit a complaint to the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street, S.W., Washington, D.C., 20590, or call the toll-free Auto Safety Hot-Line at 1-800-424-9393 (Washington, D.C. area residents may call 366-0123) if your International dealer fails to repair or is unable to remedy this condition without charge or within a reasonable time.

We request your prompt attention to the correction of this defect and apologize for any inconvenience this may cause you.

NAVISTAR INTERNATIONAL TRANSPORTATION CORP.