

SERVICE PROCEDURE

13513
OCTOBER 2013

SUBJECT: **NONCOMPLIANCE RECALL**
Restraining barrier on certain CE and RE school bus models built 20 August 2012 through 04 September 2012

DEFECT DESCRIPTION

Certain operator's side restraining barriers may not meet one of the forward push test criteria of FMVSS 222 or CMVSS 222.

MODELS INVOLVED

This Noncompliance Recall involves certain CE and RE school bus models built 20 August 2012 thru 4 September 2012.

PARTS INFORMATION

NOTE: The scope of this campaign is very narrow in that it affects only 77 buses. In order to properly manage the inventory available to complete this repair on all vehicles, **DO NOT** pre-order barrier frames for inventory and only order barrier frames when customer repair request is confirmed. This will allow barrier frames to be available for each dealer when a customer requests repair.

Part Number	Part Description	Quantity
2210544C6	Frame, ASM Crash Barrier HB 39	1

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! IF THE VEHICLE MUST BE RAISED, DO NOT WORK UNDER THE VEHICLE SUPPORTED ONLY BY JACKS. JACKS CAN SLIP OR FALL OVER, POTENTIALLY RESULTING IN PROPERTY DAMAGE, PERSONAL INJURY AND / OR DEATH.

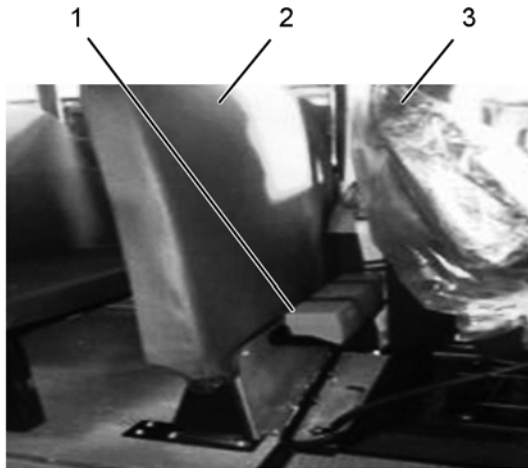
WARNING! ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE. FAILURE TO DO SO MAY RESULT IN PERSONAL INJURY AND / OR DEATH.

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.

WARNING! KEEP FLAMES OR SPARKS AWAY FROM VEHICLE AND DO NOT SMOKE WHILE SERVICING THE VEHICLE'S BATTERIES. BATTERIES EXPEL EXPLOSIVE GASES. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH.

WARNING! REMOVE THE GROUND CABLE FROM THE NEGATIVE TERMINAL OF THE BATTERY BOX BEFORE DISCONNECTING ANY ELECTRICAL COMPONENTS. ALWAYS CONNECT THE GROUND CABLE LAST. FAILURE TO DO SO MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH.

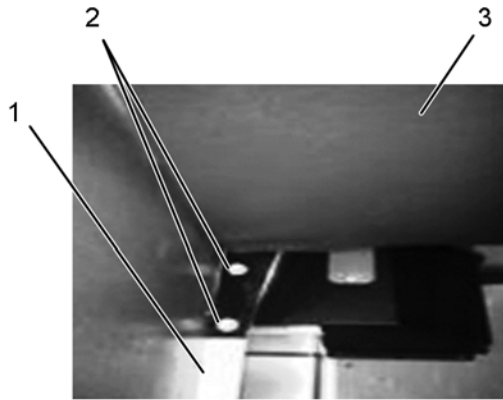
1. Bring vehicle into shop and park on flat surface.
2. Shift transmission to Park or Neutral and set parking brakes.
3. Install wheel chocks.



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Figure 1. Restraining Barrier.

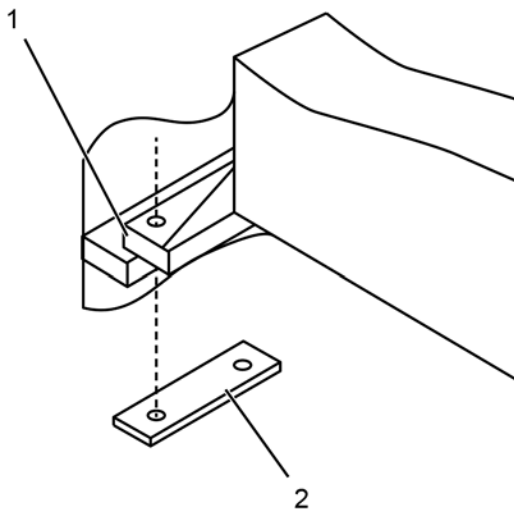
1. LH forward barrier mounted option kit
 2. Restraining barrier
 3. Operator's seat
4. Slide operator's seat (Figure 1, Item 3) to most forward position.
 5. If unit is equipped with LH forward barrier mounted option kit (such as Triangle Kit, Modesty Panel, and Safety Kit) (Figure 1, Item 1), remove from passenger restraining barrier (Figure 1, Item 2) and store for reinstallation.



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Figure 2. Seat Rail and Fasteners.

1. Seat rail
2. Fastener (2)
3. Restraining barrier

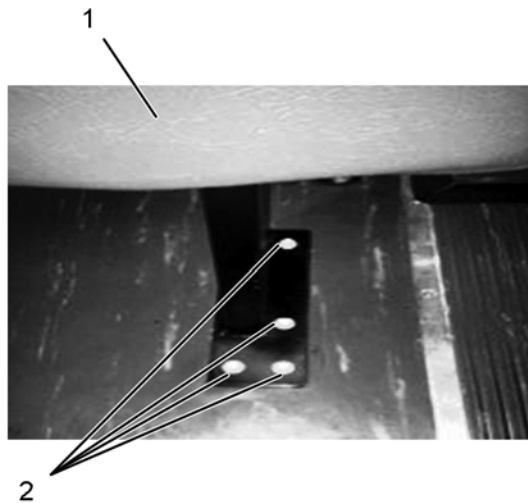


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Figure 3. Threaded Plate.

1. Seat rail
2. Threaded plate

6. Remove two fasteners (Figure 2, Item 2) securing restraining barrier (Figure 2, Item 3) to seat rail (Figure 2, Item 1). Note position and orientation of threaded plate (Figure 3, Item 2) on underside of seat rail (Figure 3, Item 1) for reinstallation.

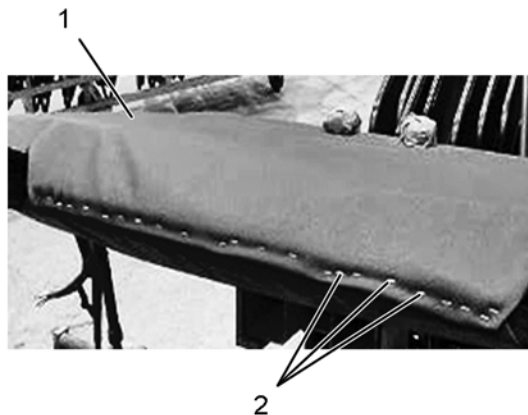


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Figure 4. Floor Mounting Fasteners.

- 1. Restraining barrier
- 2. Fastener (4)

7. With an assistant positioned under bus, remove four fasteners (Figure 4, Item 2) securing restraining barrier (Figure 4, Item 1) to floor. Note position of under floor supports (if present), so they will be installed in same position and orientation.
8. Remove barrier from unit and place on suitable work bench.



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Figure 5. Upholstery Staples.

- 1. Restraining barrier bottom
- 2. Upholstery staples

9. Remove upholstery staples (Figure 5, Item 2) from bottom of barrier (Figure 5, Item 1).
10. Remove upholstery and foam from barrier frame as an assembly. Note orientation of foam because it cannot be installed backward.

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11. Remove any edge trim applied to aisle side of barrier and reinstall on new restraining barrier frame.
12. Install upholstery and foam assembly on new barrier. Verify that foam is not installed backward.
13. Staple upholstery to barrier tack strip following procedure below:
 - a. Starting with material on front of barrier, fold cut ends of upholstery inside so edge is hidden.
 - b. Pull material on back of barrier and hold firmly against wood bottom (tack strip).
 - c. Working from outside to middle, staple material multiple times to secure it in place.
 - d. Pull front of cover snug over stapled bottom and hold firmly against wood bottom (tack strip).
 - e. Staple material multiple times to secure it in place.
14. Move completed barrier into bus and install.
15. Install four bolts securing barrier to floor, two bolts securing barrier to seat rail, and threaded plate under seat rail. Tighten seat rail bolts finger tight.
16. With an assistant positioned under bus, reinstall under floor supports (if present), and tighten four bolts securing barrier to floor to 18 lb-ft (24.4 N·m).
17. Tighten two bolts securing barrier to seat to 18 lb-ft (24.4 N·m).
18. Reapply undercoating on barrier mounting fasteners under the bus.
19. Reinstall barrier mounted optional equipment if removed in Step 5.
20. Clean work area and reposition operator's seat.
21. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-13513-1	Crash Barrier Replacement	0.4 hr

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.



A black rectangular label with a white central area. The text is as follows:

- DO NOT REMOVE (top)
- INTERNATIONAL (bold, below top line)
- Campaign No. (with a line for input)
- VIN (with a line for input)
- Eng.# (with a line for input)
- COMPLETED (bold, below input lines)
- Service Location Code # (with a line for input)
- DO NOT REMOVE (bottom)

ADMINISTRATIVE / DEALER RESPONSIBILITIES

WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Safety Recall 13513.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, a barrel of oil, or a tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number

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

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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

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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.

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.

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.

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