

POSTED ON ISIS

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MAILED

APR 13 2015

Compliance Dept. Compliance Dept.  
**SERVICE PROCEDURE**

**15507  
APRIL 2015**

**SUBJECT: SAFETY RECALL**  
**Air Brake Drop Hose Routing on certain RE school bus models built 04 November 2014 thru 23 December 2014**

**DEFECT DESCRIPTION**

The air brake drop hose fittings to the service brake chambers on the steer axle wheel ends may not be oriented correctly, resulting in possible contact of the drop hose with the tire when wheels are turned to their fullest travel. Drop hose contact with the tire may cause abrasion damage to the hose and a possible air leak resulting in a pull condition during brake application or an unexpected increase in stopping distance, and may contribute to a vehicle crash, which may result in property damage, personal injury, or death.

**MODELS INVOLVED**

This Safety Recall involves certain RE school bus models built 04 November 2014 thru 23 December 2014.

**ELIGIBILITY**

This procedure applies ONLY to vehicles marked in the International<sup>®</sup> Service Portal<sup>SM</sup> with Safety Recall 15507. Also complete any other open campaigns listed on the Service Portal at this time.

**SPECIAL TOOLS**

Print the template at the end of this letter to create an Installation Gauge to measure 11 degrees orientation of the 90-degree fitting.

## **PARTS INFORMATION**

**NOTE:** The scope of this campaign is very narrow in that it affects only 17 vehicles. **DO NOT** preorder flexible air hoses for inventory, and only order flexible air hoses when contact damage is confirmed.

<b>Part Number</b>	<b>Part Description</b>	<b>Quantity</b>
3576380C1	Hose, Flexible Air	As Necessary

## **SERVICE PROCEDURE**

**WARNING!** TO PREVENT PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH, PARK VEHICLE ON HARD FLAT SURFACE, TURN THE ENGINE OFF, SET THE PARKING BRAKE AND INSTALL WHEEL CHOCKS TO PREVENT THE VEHICLE FROM MOVING IN BOTH DIRECTIONS.

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

**WARNING!** TO PREVENT PERSONAL INJURY AND / OR DEATH, ALWAYS WEAR SAFE EYE PROTECTION WHEN PERFORMING VEHICLE MAINTENANCE.

**WARNING!** TO PREVENT PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH, ALLOW COMPONENTS IN ENGINE COMPARTMENT TO COOL BEFORE SERVICING ENGINE OR VEHICLE.

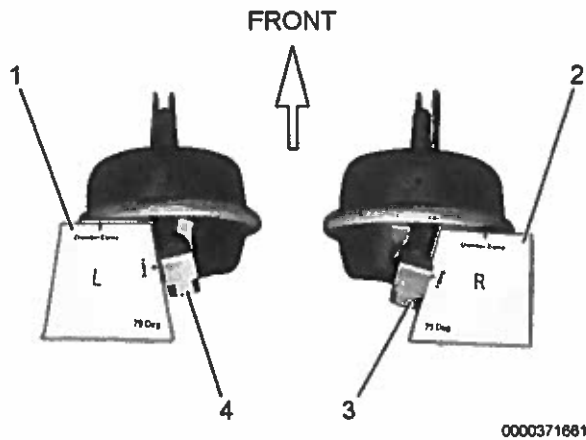
**WARNING!** TO PREVENT PROPERTY DAMAGE, PERSONAL INJURY, AND / OR DEATH, KEEP FLAMES OR SPARKS AWAY FROM VEHICLE AND DO NOT SMOKE WHILE SERVICING THE VEHICLE'S BATTERIES. BATTERIES EXPEL EXPLOSIVE GASES.

1. Park vehicle on a flat surface with the wheels straight ahead.
2. Shift transmission to Park or Neutral and set parking brakes.
3. Install wheel chocks.

4. Inspect hose to right and left steer axle chambers for contact damage that would affect hose life. If damage is found, replace hose and proceed to next step.
5. Create the attached alignment template:
  - Print attached Fitting Orientation Template. DO NOT print with custom scale, fit to page, or shrink options.
  - Cut out border of individual templates.
  - Adhere one of the templates to a piece of cardboard.
  - Trim cardboard accordingly to the edge of the template border.
  - Adhere remaining template to opposite side of cardboard.

**NOTE:** Incorrectly installed fittings must be reoriented to the correct position, in the tightening direction only. If the fitting must reorient in the loosening direction, it must be completely removed and reinstalled.

**NOTE:** If a fitting combination must be removed, the 45-degree fitting must first be disassembled from the 90-degree fitting, then remove the 90-degree fitting from the Brake Chamber. Reverse this process to reinstall.



**Figure 1. Brake Chamber Fitting Orientation.**

1. Template - left side
  2. Template - right side
  3. Drop hose fitting orientation - right side
  4. Drop hose fitting orientation - left side
6. Using the Fitting Orientation Template (Figure 1, Items 1 and 2), inspect the 90-degree fitting (Figure 1, Items 3 and 4) for correct orientation of 11 degrees toward the inboard side of the service chambers and verify the

45-degree fitting is oriented straight down in relation to the 90-degree fitting on both sides of the bus.

- a. If the 90-degree fittings are correctly oriented 11 degrees inboard and the 45-degree fittings are correctly oriented straight down on both service chambers, proceed to Step 7.
  - b. If the 90-degree fittings are not correctly oriented 11 degrees inboard and / or the 45-degree fittings are not correctly oriented straight down on both service chambers, reorient the fittings to their correct position.
7. Once fittings are correctly oriented, turn the steer wheels to their fullest position in both directions and verify there is no drop hose contact with the steer tires.
  8. Remove wheel chocks.

## END OF SERVICE PROCEDURE

### LABOR INFORMATION

Operation Number	Description	Time
A40-15507-1	Inspect and Correctly Orient Fittings	0.6 hr
A40-15507-2	Replace One Hose	0.2 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.

<b>DO NOT REMOVE</b>
<b>INTERNATIONAL</b>
Campaign No.
VIN
Eng.#
<b>COMPLETED</b>
Service Location Code #
<b>DO NOT REMOVE</b>

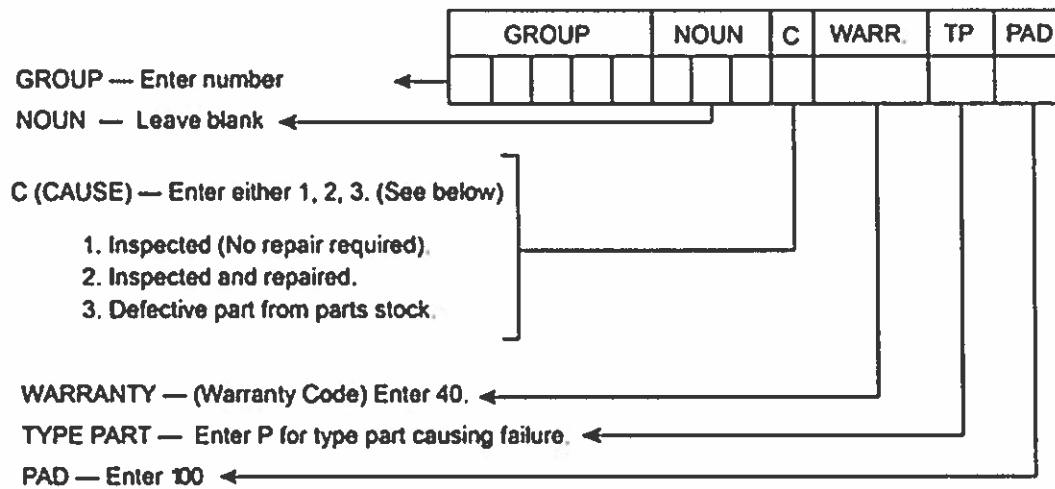
## ADMINISTRATIVE / DEALER RESPONSIBILITIES

### 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 15507.

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 submission, 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, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.



### 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.

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## **EXPORT**

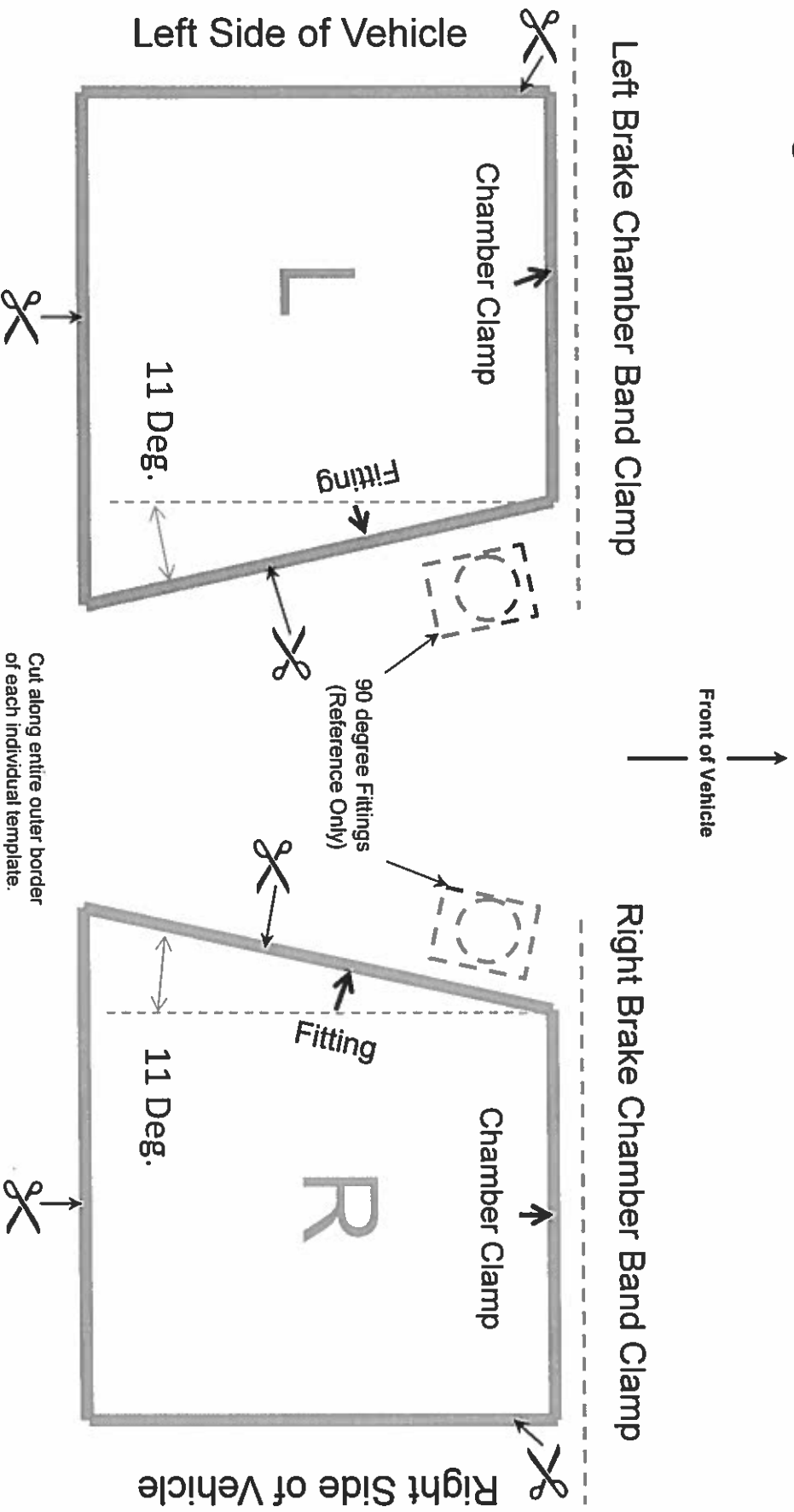
Export Distributors should proceed immediately to make necessary correction to units in inventory. All inventory vehicles subject to this recall campaign must be corrected prior to sale, transfer or delivery. If vehicles have been sold or transferred and you are in receipt of Customer Notification Letters 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.**

# Fitting Orientation Template



**NOTE:** Template must be printed with Actual Size option selected.

**DO NOT** print template with Shrink to Fit, Fit to Page, or Custom Scale options.