

# SERVICE PROCEDURE

21503  
MAY 2021

**SUBJECT: NONCOMPLIANCE RECALL**  
**SC-3 Check Valve on certain International® LT®, HV™, MV™, and RH™ Series trucks built 28 July 2020 thru 02 October 2020 with Bendix® air brake system**

## **DEFECT DESCRIPTION**

Certain International® LT®, HV™, MV™, and RH™ Series trucks may not conform to Federal Motor Vehicle Safety Standard (FMVSS) 121 relating to the secondary air brake system. A truck that does not conform to all the requirements of FMVSS 121 when operating may experience a spring brake check valve internal air leak resulting in an uncommanded spring brake application and increase the risk of a crash.

## **MODELS INVOLVED**

This noncompliance recall involves certain International® LT®, HV™, MV™, and RH™ Series trucks built 28 July 2020 thru 02 October 2020 with a Bendix® air brake system.

## **ELIGIBILITY**

This procedure applies ONLY to vehicles marked in the International® Service Portal™ with Safety Recall 21503. Also complete any other open campaigns listed on the Service Portal at this time.

## **PARTS INFORMATION**

Part Number	Part Description	Quantity
8900292R91	SC-3 Check Valve	1

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### VEHICLE RECALL 21503

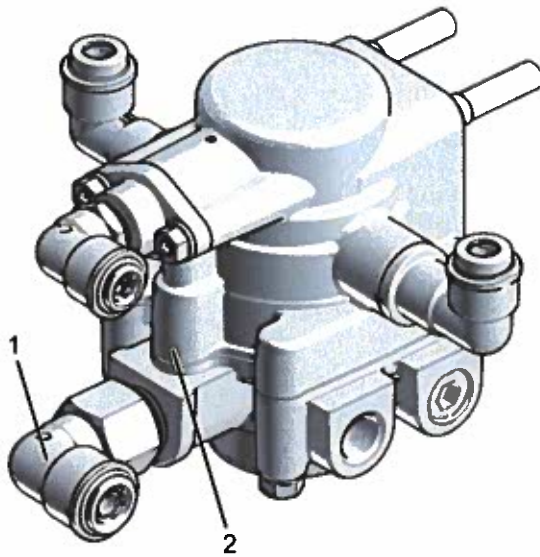
## SERVICE PROCEDURE

**WARNING!** To prevent personal injury and / or death, or damage to property, 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 either direction.

**WARNING!** To prevent personal injury and / or death, or damage to property, 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.

1. Park vehicle on flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Turn vehicle ignition to Key OFF position.
4. Install wheel chocks.
5. Drain air tanks.



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**Figure 1. Valve Locations**

1. SC-3 check valve
2. SR-7 valve
  
6. Locate SC-3 check valve (Figure 1, Item 1) installed on SR-7 valve (Figure 1, Item 2) and positioned over rear axle of vehicle.
7. Using quick-connect fitting, disconnect air line from check valve.

**CAUTION!** To prevent damage to property, be aware that when SC-3 check valve is removed from SR-7 valve, check valve retainer may remain in SR-7 valve. If this occurs, remove retainer from SR-7 valve.

**NOTE:** Prior to removing check valve, note its orientation. When fully installed, new check valve must match this orientation. Orientation of check valve will be needed in Step 9.

8. Note orientation of check valve and then remove and discard.

**NOTE:** Orient check valve in tightening direction only. **DO NOT BACK OFF (LOOSEN)** to correctly orient check valve. If correct orientation cannot be achieved when new check valve is tightened 1 ½ to 2 turns from hand tight, continue to turn check valve up to one-half turn more to attain correct orientation.

9. Install new check valve to match orientation of valve noted in Step 8.

10. Using quick-connect fitting, reconnect air line to check valve.
11. Turn vehicle ignition to Key ON, ENGINE RUNNING position. Wait for air tanks to fill to full system pressure.
12. Turn vehicle ignition to Key OFF position.
13. Inspect check valve for air leaks.
14. Remove wheel chocks.

## **END OF SERVICE PROCEDURE**

### **LABOR INFORMATION**

<b>Operation Number</b>	<b>Description</b>	<b>Time</b>
A40-21503-1	Replace Check Valve	0.5 hrs

### **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**

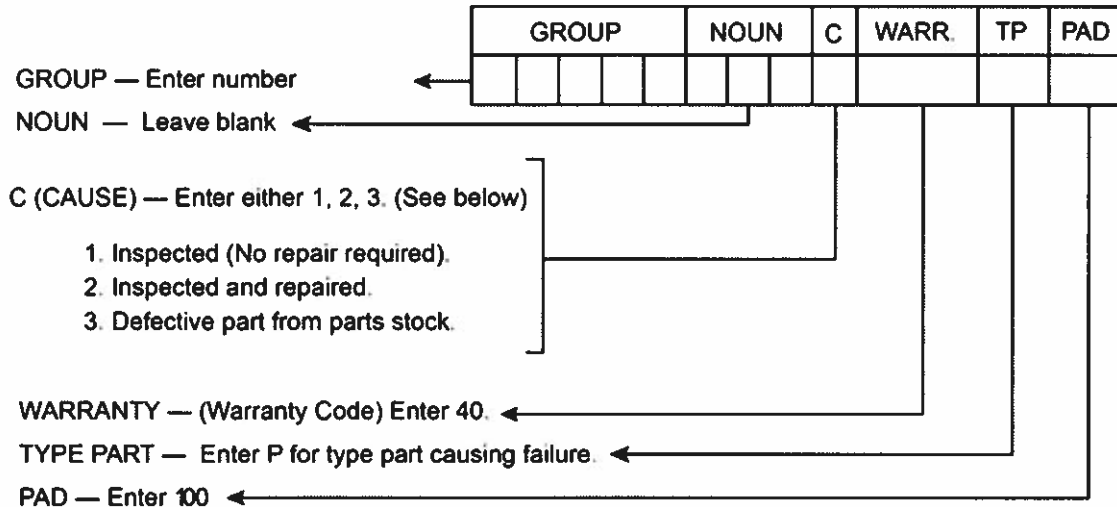
Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Safety Recall 21503.

Section 7 of the Warranty Policy and Procedures Manual contains further information related to the submission and processing of AFC / Recall claims.

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#### **VEHICLE RECALL 21503**

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



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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 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.**

