

SERVICE PROCEDURE

**19519
JANUARY 2020**

SUBJECT: SAFETY RECALL
Rear Axle Brake Modulator Valves on certain International® HV™ Series trucks built 02 May 2019 thru 18 July 2019 with 6x4 vehicle configuration, 6 channel ABS, non-air suspension and certain wheelbases.

DEFECT DESCRIPTION

The drive axle brake modulator valves may not meet the requirements for FMVSS 121 S5.3.4 Brake release time. Each service brake system shall meet the requirements of S5.3.4.1 (a) and (b). This condition has no impact on normal brake operation. However, an increase in the time required to exhaust the brake chambers, could in rare conditions cause brake drag, which could cause a brake or tire fire, resulting in possible property damage.

MODELS INVOLVED

This recall involves certain International® HV™ Series trucks built 02 May 2019 thru 18 July 2019 and built with 6x4 vehicle configuration, 6-channel ABS, non-air suspension and certain wheelbases.

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with Safety Recall 19519. Also complete any other open campaigns listed on the Service Portal at this time.

PARTS INFORMATION

Part Number	Part Description	Quantity
BXK079670X	Antilock Modulator	4

SERVICE PROCEDURE

GOVERNMENT REGULATION: Engine fluid (oil, fuel, and coolant) may be a hazard to human health and the environment. Handle all fluid and other contaminated materials (such as filters and rags) in accordance with applicable State and Federal regulations. Recycle or dispose of engine fluids, filters, and other contaminated materials according to applicable State and Federal regulations.

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.

WARNING! To prevent personal injury and / or death, or damage to property, keep flames, sparks or other heat sources away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel gases which may cause an explosion resulting in personal injury and / or death, or damage to property, avoid contact with any heat sources.

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.

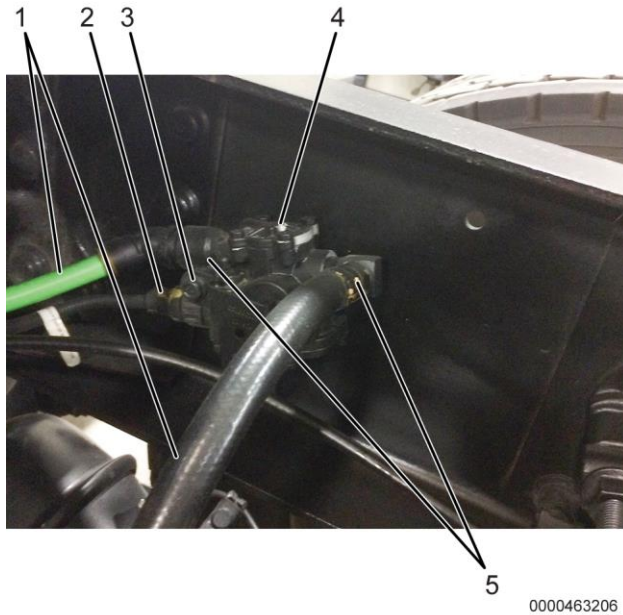


Figure 1. Air Brake Modulator Valve

1. Air lines
2. Electrical connector
3. Bolt (2)
4. Air brake modulator valve
5. Air line fittings

NOTE: Two forward air brake modulator valves are located either on frame rail above rear axle, or on crossmember.

NOTE: Two rear air brake modulator valves are located on each frame rail above rear axle.

5. Locate four air brake modulator valves (two forward / two rear).
6. Starting at left-side rear modulator valve (Figure 1, Item 4), remove air lines (Figure 1, Item 1) and electrical connector (Figure 1, Item 2) from valve.

NOTE: Save bolts for reuse.

7. Remove bolts (Figure 1, Item 3) holding valve to frame / crossmember.

NOTE: Record locations of air line fittings and their angles.

8. Remove air line fittings (Figure 1, Item 5) from old valve.
9. Apply pipe sealant to air line fittings.

10. Install previously removed air line fittings to new valve in their proper locations and orientations.
11. Using previously-removed bolts and torque wrench, install new valve. Tighten bolts to 11 lb-ft (15 N•m).
12. Install air lines and electrical connector to valve.
13. Repeat Steps 6-12 for each remaining valve.
14. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-19519-1	Replace Rear Axle Brake Modulator Valves	1.0 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.

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 19519.

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

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.

GROUP	NOUN	C	WARR.	TP	PAD
GROUP — Enter number	NOUN — Leave blank	C (CAUSE) — Enter either 1, 2, 3. (See below)	WARRANTY — (Warranty Code) Enter 40.	TYPE PART — Enter P for type part causing failure.	PAD — Enter 100

1. Inspected (No repair required).

2. Inspected and repaired.

3. Defective part from parts stock.

0000047910

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.