

Released **SERVICE PROCEDURE**

June 24, 2024

24507
JUNE, 2024

Navistar, Inc

SUBJECT: SAFETY RECALL
Intellipark Park Valve Module (PVM) on certain 2024 and 2025 IC Bus® CE Series school buses built 10/25/2023 thru 04/24/2024 with the Intellipark® park brake actuation system.

CUSTOMER LETTER

Print ready (PDF file) copy of the [Customer Letter](#)

DEFECT DESCRIPTION

An improperly molded rubber ball seal internal to the Park Valve Module (PVM) may contain a crack that may tear during assembly and propagate to a fracture after repeated actuation and environmental exposure. A PVM with a fractured rubber ball seal may result in an inability to park when commanded or may also leak in a way such that the parking brake system engages without a command. Either of these conditions may increase the likelihood of a crash.

MODELS INVOLVED

This safety recall involves certain 2024 and 2025 IC Bus® CE Series school buses built 10/25/2023 through 04/24/2024 with the Intellipark® park brake actuation system.

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with Safety Recall 24507. Also complete any other open campaigns listed on the Service Portal at this time.

PARTS INFORMATION

Part Number	Part Description	Quantity
4286682C2	VALVE, MODULATOR AIR, INTELLIPARK PVM NON TOWING	1

Table 1 Parts Information

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.

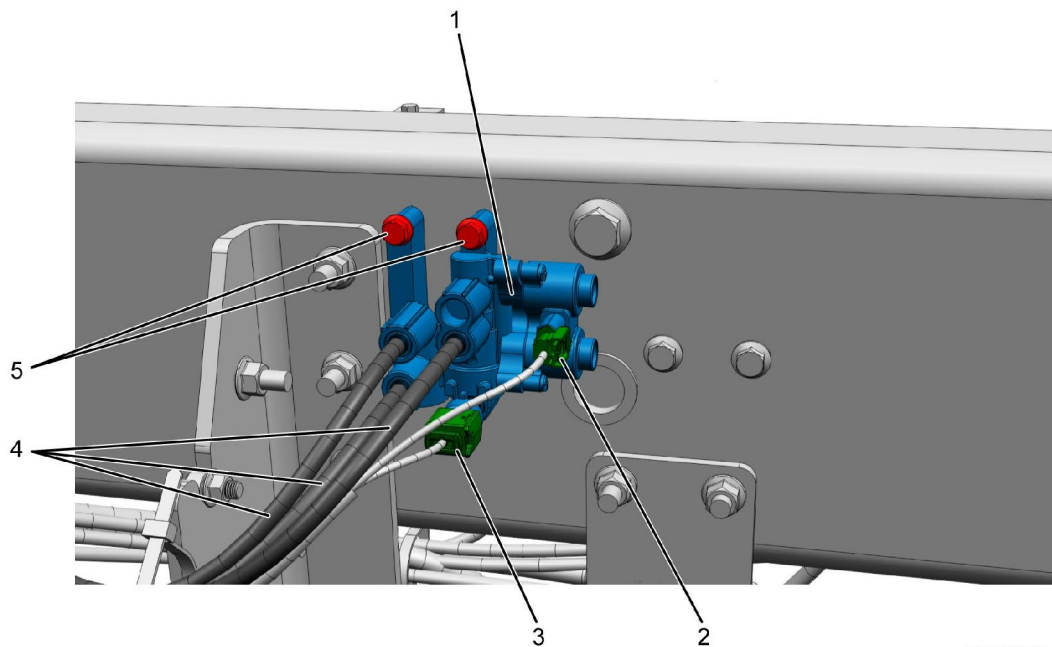
WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent personal injury and / or death, or damage to property, allow engine / vehicle components to cool before servicing.

WARNING! To prevent personal injury and / or death, or damage to property, keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases.

WARNING! To prevent personal injury and / or death, or damage to property, remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last.

1. Park vehicle on flat surface.
2. Shift transmission to Park or Neutral and set parking brake.
3. Install wheel chocks.



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Figure 1. Park Valve Module

1. PVM
 2. Solenoid connector
 3. Sensor connector
 4. Air line (3)
 5. Mounting nut (2)
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4. Access Park Valve Module (PVM) (Figure 1, Item 1) located on driver-side frame rail behind battery tray. Access PVM through cut-out of lower battery tray.
 5. Remove two mounting nuts (Figure 1, Item 5) from driver-side frame rail. Save fasteners for reuse.



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Figure 2. Park Valve Module Date Code

1. Date code

NOTE: First six characters of date code determine manufacturing Shift, Month, Day and Year. Example – 1M0623 (1 = 1st Shift, M = December, 06 = Day, 23 = Year).

2. Reposition PVM and locate module code inspection label on module:
 - a. If inspected date code (Figure 2, Item 1) is equal to or less than 1C1424TXXX, replacement is required; proceed to Step 7.
 - b. If date code is greater than 1C1424TXXX, no action is necessary. Proceed to Steps 13-14, then Step 20.
3. Record color-coded air lines, electrical, and solenoid connection locations (Figure 1, Items 2, 3, and 4) on module for reinstallation.
4. Drain air tanks.
9. Disconnect three air lines (Figure 1, Item 4) from PVM.
10. Disconnect sensor connector (Figure 1, Item 3).
11. Disconnect solenoid connector (Figure 1, Item 2).
12. Remove and discard module.
13. Position module and install two mounting nuts (Figure 1, Item 5) removed in Step 5.
14. Using torque wrench, tighten mounting nuts (Figure 1, Item 5) to 13-17 lb-ft (18-23 N·m).
15. Using previously recorded locations, reconnect sensor connector (Figure 1, Item 3).

16. Using previously recorded locations, reconnect solenoid connector (Figure 1, Item 2).
17. Using previously recorded locations, reconnect three air lines (Figure 1, Item 4) to PVM.
18. Inspect system after repair:
 - a. Close door.
 - b. Apply service brake.
 - c. Start vehicle and allow system to build air pressure.
 - d. Engage parking brake switch.
 - e. Verify LED indicator lights are solid.
 - f. Release parking brake, LED indicator lights will flash momentarily then extinguish.
 - g. Verify LED indicator lights are off and not flashing.
 - h. Repair if necessary.
19. Turn ignition to OFF position.
20. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-24507-1	Inspection Only	0.4 hr
A40-24507-2	Inspection and Replacement PVM	0.7 hr

Table 2 Labor Information

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 24507.

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)						
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. Federal law prohibits a dealer from delivering under a sale or lease, a new motor vehicle or any new or used item of motor vehicle equipment (including a tire) covered by the notification of a recall until the defect or noncompliance is remedied.

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.