

# ***SERVICE PROCEDURE***

23512  
September, 2023

**SUBJECT: EMISSIONS RECALL**  
**OBD Monitor Manufacturer's Self-test (MST) on certain International® 5900, 7600, 8600, and ProStar® model trucks, and certain HX® Series trucks built 09/30/2014 thru 08/27/2018 with 2015 thru 2017 year International® N13 engines**

## **CUSTOMER LETTER**

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

## **DEFECT DESCRIPTION**

This Emissions Recall applies to truck models that were built with 2015 thru 2017 year International® N13 engines. Certain N13 engines may be noncompliant with the required On-Board Diagnostics (OBD) Monitor, Manufacturer's Self-test (MST) for over-boost, Exhaust Gas Recirculation (EGR) low flow, and EGR high flow monitors. Under certain conditions, this noncompliance may result in the failure to detect an increase in regulated air pollutants.

## **MODELS INVOLVED**

This Emissions Recall involves certain International® 5900, 7600, 8600, and ProStar® model trucks, and certain HX® Series trucks built 09/30/2014 thru 08/27/2018 with 2015 thru 2017 year International® N13 engines.

## **ELIGIBILITY**

This procedure applies ONLY to vehicles marked in the International® Service Portal<sup>SM</sup> with Emissions Recall 23512. Also complete any other open campaigns listed on the Service Portal at this time.

## TOOLS INFORMATION

Description	Tool Number
EZ-Tech <sup>®</sup> or equivalent	N/A
NavKal <sup>™</sup>	N/A
Battery Charger 55 Amp	PSC550CC

## PARTS INFORMATION

There are no parts for this campaign.

## 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 both directions.

**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. Backs 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 components in engine compartment to cool before servicing engine or vehicle.

**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.

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. Connect to engine using NavKal<sup>™</sup>.

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### VEHICLE RECALL 23512

6. Review calibration status in NavKal™.
  - a. If calibration indicates that calibration is not current, engine must be reprogrammed to raise calibration to latest level. Proceed to Step 7.
  - b. If calibration indicates calibration is current, engine does not need to be reprogrammed.
    - i. No further action is required for dealers and customers operating outside California. Proceed to Step 10.
    - ii. Dealers and customers operating in California should proceed to Step 10 but must also perform Step 13.
7. Connect battery charger / maintainer to vehicle battery.
8. Program Engine Control Module (ECM).

**NOTE: The document listed in the table below contains general information about each reprogramming method and software.**

Programming Method	Programming and troubleshooting Instructions
NavKal™	TL2600002

9. If assistance is needed, International® dealers should contact Vehicle Programming by creating an iKNow case file. Customers should contact Vehicle Programming by calling 1-800-336-4500, options 3, 4, 1.

**NOTE: Clear all inactive / previously active faults after programming. Only perform diagnostics or procedures on ACTIVE faults.**

10. If any inactive / previously active faults are found after programming, clear them from ECM. Only perform diagnostics or procedures on active faults.
11. Disconnect battery charger / maintainer from vehicle battery.
12. Remove wheel chocks.

## Additional Requirements for Dealers and Customers Operating in California

**NOTE: The following step is required only for dealers and customers operating in the state of California.**

13. After completing this recall, dealer must fill out salmon-colored Proof of Correction certificate and provide a copy to customer.

Vehicle Emission Recall - Proof of Correction				
License Number	Make	Year/Model	Body Type	Vehicle Identification Number
				<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Manufacturer _____		Recall Number _____		
The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.				
Dealer's _____		Address, City, State _____		
		Dealership's Authorized _____		
		X _____		
Return this certificate to DMV only when required - otherwise retain for your records.				

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Figure 1. DMV Certificate, Salmon (Print on 8.5 x 11 inch White Paper).

## END OF SERVICE PROCEDURE

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### VEHICLE RECALL 23512

## **LABOR INFORMATION**

<b>Operation Number</b>	<b>Description</b>	<b>Time</b>
A40-23512-1	Calibration Current, Engine Programming Not Required	0.2 hrs.
A40-23512-2	Calibration Not Current, Program ECM	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**

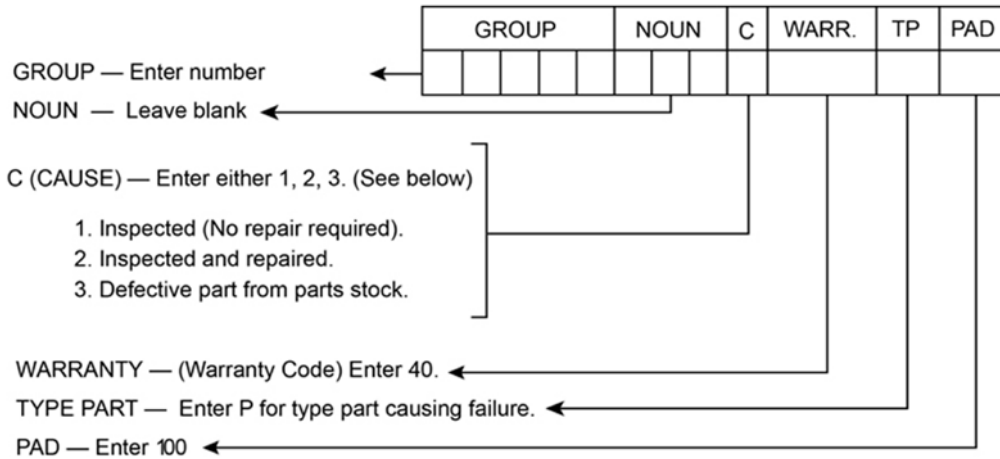
## **ADMINISTRATIVE / DEALER RESPONSIBILITIES**

### **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 23512.

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.



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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.**