

SERVICE PROCEDURE

24514R1
March, 2025

SUBJECT: EMISSIONS RECALL
On Board Diagnostic MIL faults in certain International® CV™ Series trucks built 1/11/2018 thru 3/15/2024 with model year 2019 thru 2023 International® 6.6L engines

CUSTOMER LETTER

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

REASON FOR REVISION

Updates to Steps 7 and 8 content.

DEFECT DESCRIPTION

With specific MIL-on faults, the miles travelled calculation switches from the Transmission Output Speed Sensor (TOSS) to the Wheel Speed Sensor (WSS) and the mileage recorded by the On Board Diagnostic (OBD) System is accumulated at one-fourth actual due to an incorrectly calibrated parameter used in the calculation.

MODELS INVOLVED

This Emissions Recall involves certain International® CV™ Series trucks built 1/11/2018 thru 3/15/2024 with model year 2019 thru 2023 International® 6.6L engines.

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with Emissions Recall **24514**. Also complete any other open campaigns listed on the Service Portal at this time.

TOOLS REQUIRED

Description	Tool Number
EZ-Tech® or equivalent	N/A
Service Programming System 2 (SPS 2)	N/A
Battery Charger	PSC550CC

Table 1 Tool Information

PARTS INFORMATION

No parts required.

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, always wear safe eye protection when performing vehicle maintenance.

WARNING! To prevent personal injury and / or death, 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.

1. Park vehicle on a flat surface.
2. Shift transmission to Park or Neutral and set parking brakes.
3. Turn vehicle ignition to Key OFF position.
4. Install wheel chocks.
5. Connect battery charger / maintainer to vehicle battery.
6. Connect to the engine using Service Programming System 2 (SPS 2) software.

7. Launch Techline Connect and ensure all updates are installed. Also ensure that all Windows updates are completed.
8. To program the ECM, select the appropriate vehicle, and follow the on-screen prompts to program the new ECM calibration.
9. Once complete, verify the new calibration and clear any inactive faults.

NOTE: For detailed instructions and troubleshooting, please refer to the full SPS programming document. The document listed in the table below contains general information about each reprogramming method and software.

Programming Method	Programming and Troubleshooting Instructions
SPS 2	Techline Connect (TLC) / Service Programming System 2 (SPS 2) User Guide 4328812

Table 2 Programming Software

10. If assistance is needed, International dealers should first utilize all available resources, including [Intelligent Search](#), [RC2600001-Vehicle Programming Resource Center](#) and [IK2700129-Techline Connect \(TLC\) General Troubleshooting Steps](#), before creating a technical service case file. If further support is required, dealers can create a case file within the case file management system. This can be accomplished by navigating to the intelligent search section of Service Portal. If phone support is needed, 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.

11. If any inactive / previously active faults are found after programming, clear them from the ECM. Only perform diagnostics or procedures on active faults.
12. Disconnect battery charger / maintainer from vehicle battery.
13. 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.

Vehicle Emission Recall - Proof of Correction				
License Number	Make	Year Model	Body Type	<div style="display: flex; justify-content: space-between;"> <div>Vehicle Identification Number</div> <div>Recall Number</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="border-bottom: 1px solid black; width: 80%;"></div> <div style="border-bottom: 1px solid black; width: 15%;"></div> </div>
<p>The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.</p>				
Dealer's		Address, City, State		
<div style="border-bottom: 1px solid black; height: 20px;"></div>		<div style="border-bottom: 1px solid black; height: 20px;"></div>		
<div style="border-bottom: 1px solid black; height: 20px;"></div>		<div style="border-bottom: 1px solid black; height: 20px;"></div>		
<div style="display: flex; justify-content: space-around;"> Manufacturer Dealership's Authorized </div>				
<div style="display: flex; justify-content: space-around;"> X </div>				
Return this certificate to DMV <u>only</u> when required - otherwise retain for your records.				

0000462198

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

1. Proof of Correction certificate

14. After completing this recall, dealer must fill out salmon-colored Proof of Correction certificate (Figure 1, Item 1) and provide a copy to customer.

LABOR INFORMATION

Operation Number	Description	Time
A40-24514-1	Reprogram ECM	0.3 hrs

Table 3 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 Emissions Recall 24514.

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

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.

International Motors, LLC*

***International Motors, LLC d/b/a International Motors USA LLC in Illinois, Ohio, and Utah.**