SERVICE PROCEDURE

22517
OCTOBER, 2022

SUBJECT: EMISSIONS RECALL
Frozen Diesel Emission Fluid (DEF) in certain International® CV™ Series trucks built 01/06/2022 thru 05/31/2022 with 2022 model year International® 6.6L 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 2022 model year International® 6.6L engines. In extreme cold ambient conditions, the Diesel Exhaust Fluid (DEF) tank may become frozen and result in engine derate until the DEF tank is thawed.

MODELS INVOLVED

This Emissions Recall involves certain International® CV™ Series trucks built 01/06/2022 thru 05/31/2022 with 2022 model year International 6.6L engines.

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service Portal℠ with Emissions Recall 22517. 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

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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 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 engine using Service Programming System 2 (SPS 2) software.
7. 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
SPS 2	Techline Connect (TLC) / Service Programming System 2 (SPS 2) User Guide 4328812

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8. 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.

9. If any inactive / previously active faults are found after programming, clear them from ECM. Only perform diagnostics or procedures on active faults.

10. Disconnect battery charger / maintainer from vehicle battery.

11. 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.

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

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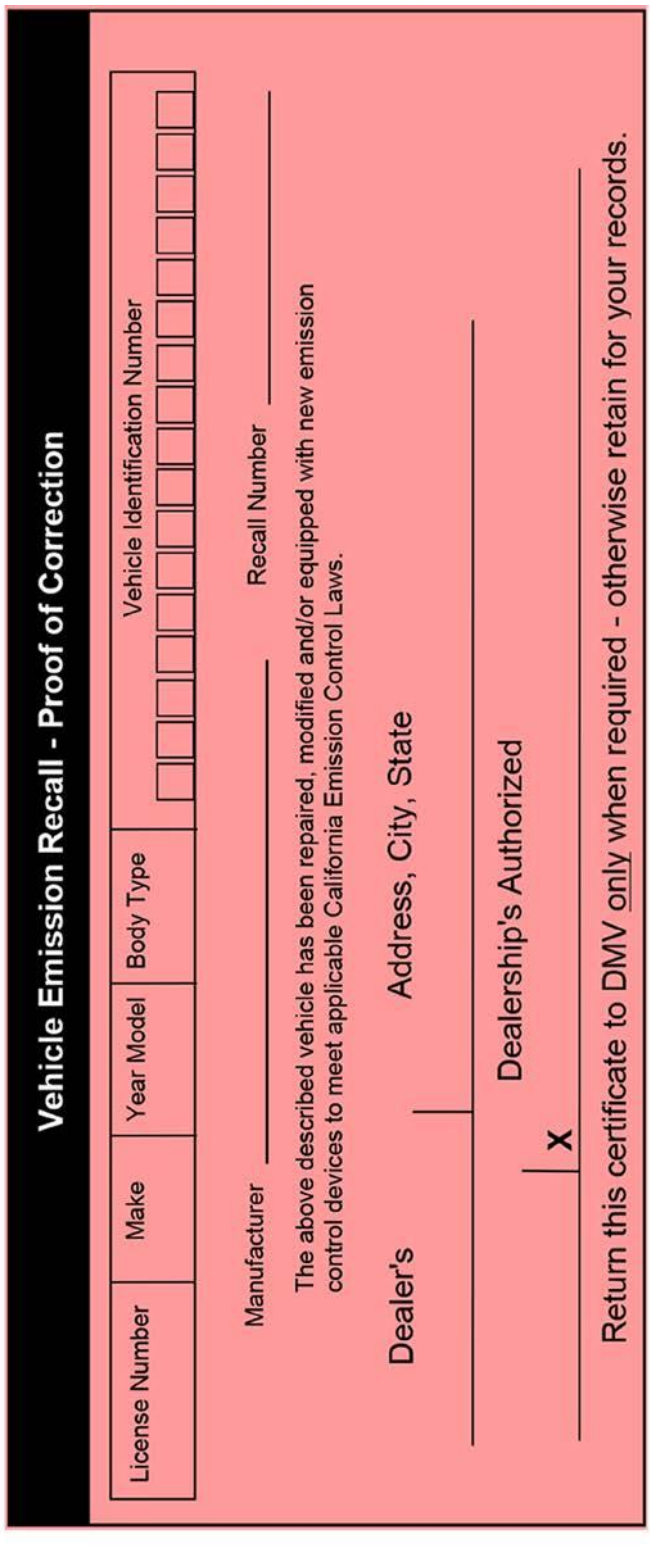


Figure 1. DMV Certificate, Salmon (Print on 8.5 x 11 inch White Paper).

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LABOR INFORMATION

Operation Number	Description	Time
A40-22517-1	Reprogram ECM	0.4 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.



ADMINISTRATIVE / DEALER RESPONSIBILITIES

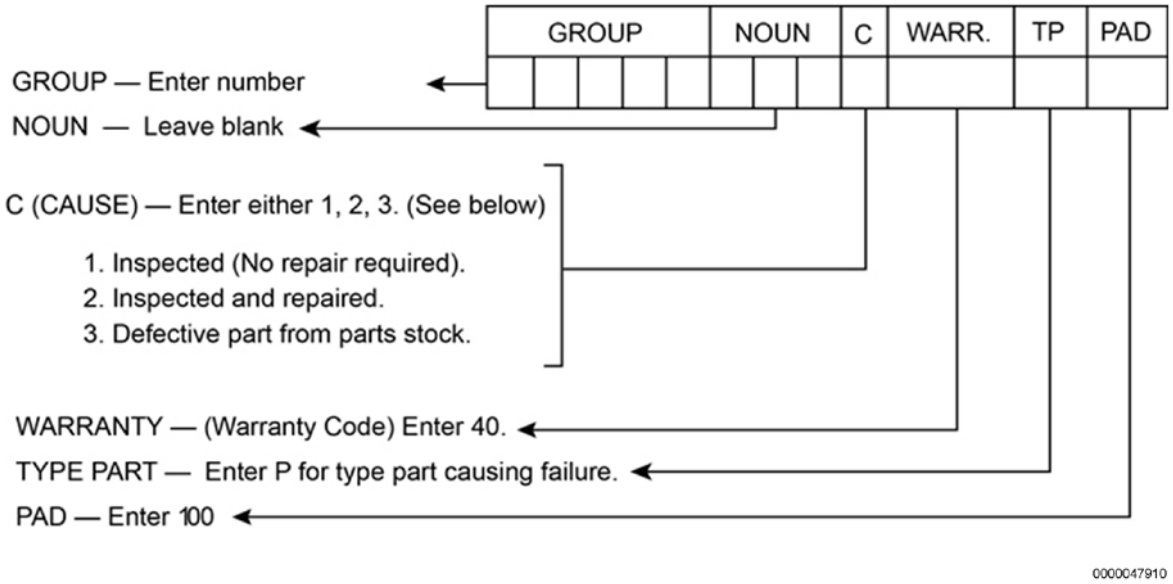
WARRANTY CLAIMS

Warranty claim expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Emissions Recall 22517.

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. 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.

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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.

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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.

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