

SERVICE PROCEDURE

23509
MAY, 2023

SUBJECT: SAFETY RECALL

Posted on ISIS

05/26/2023

Engine Control Module (ECM) programming on certain 2021 thru 2024 International® LT® and RH™ Series trucks built 06/11/2020 thru 03/16/2023 with engine feature code 12BET, 12BEU, 12BEV, 12BEW, 12BEX, 12BEY, 12BEZ, 12BGA, 12BGB, 12BGC, 12BGD, 12BGE, 12BGG, 12BGH, 12BEJ, 12BGK, 12BGL, 12BGM, 12BGN, or 12BGP (International® A26 engine) and ABS feature code 04AAS, 04AZE, 04AZH, 04AZX, 04BAB, or 04BAC (Air Brake Anti-Lock Brake System [ABS])

CUSTOMER LETTER

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

DEFECT DESCRIPTION

The Engine Control Module (ECM) disregards throttle pedal input and reduces engine torque when the ABS control unit senses a wheel speed sensor fault and may cause the vehicle to unexpectedly slow to idle speed on the roadway. A vehicle that unexpectedly slows to idle speed on the roadway can increase the risk of a vehicle crash that may result in property damage, personal injury, or death.

MODELS INVOLVED

This safety recall involves certain 2021 thru 2024 International® LT® and RH™ Series trucks built 06/11/2020 thru 03/16/2023 with engine feature code 12BET, 12BEU, 12BEV, 12BEW, 12BEX, 12BEY, 12BEZ, 12BGA, 12BGB, 12BGC, 12BGD, 12BGE, 12BGG, 12BGH, 12BEJ, 12BGK, 12BGL, 12BGM, 12BGN, or 12BGP (International® A26 engine) and ABS feature code 04AAS, 04AZE, 04AZH, 04AZX, 04BAB, or 04BAC (Air Brake Anti-Lock Brake System [ABS]).

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with Safety Recall 23509. Also complete any other open campaigns listed on the Service Portal at this time.

PARTS INFORMATION

No required parts.

TOOLS REQUIRED

Description	Tool Number
Battery Charger 55 Amp	PSC550CC
EZ-Tech® or Electronic Service Tool (EST) with Service Diagnostics Solutions (SDS) Software	N/A

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, 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.

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 battery charger / maintainer to vehicle batteries.

NOTE: Use SDS to program vehicles for this campaign.

6. Using SDS, connect to vehicle.
7. Using SDS, program ECM.

NOTE: All programming and troubleshooting information can be accessed from the articles listed in the chart below, Dealer EZ-Tech®, or clicking the link below to access the Service Diagnostic Solutions for SDS.

[Service Diagnostic Solutions](#)

NOTE: These articles contain general information about each reprogramming method and software, with links to specific instructions.

Programming Method	Programming and Troubleshooting Instructions
Service Diagnostics Solutions (SDS)	Service Diagnostics Solutions (SDS) User Guide (4328790)

8. If assistance is needed, contact Vehicle Programming by creating an iKNOW case file or calling 1-800-336-4500, options 3, 5, 1.

NOTE: Clear all inactive / previously active faults after programming. Only perform diagnostics or procedures on ACTIVE faults and then open a new claim section on your work order.

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

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-23509-1	Update ECM Calibration	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.



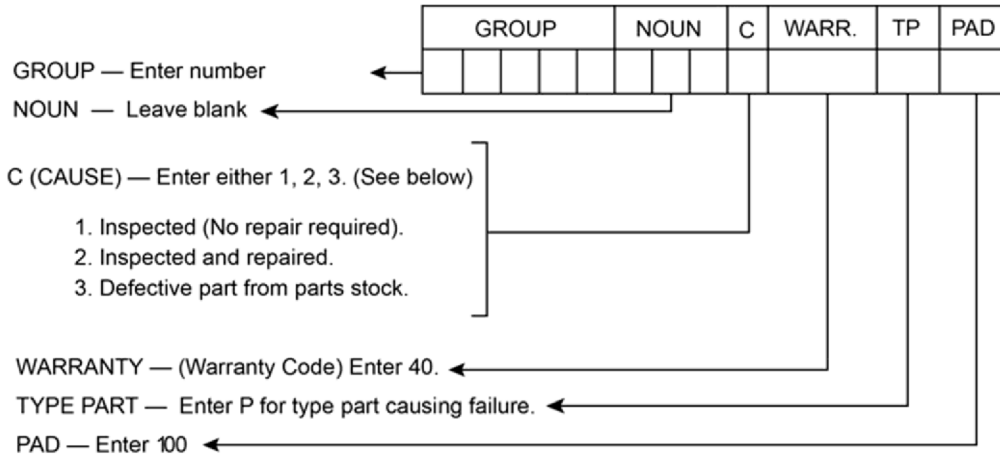
ADMINISTRATIVE / DEALER RESPONSIBILITIES

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 23509.

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.

VEHICLE ECALL 23509

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