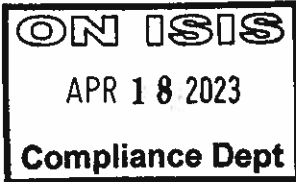


SERVICE PROCEDURE

23504
APRIL, 2023

SUBJECT: SAFETY RECALL

**Stationary Variable Engine Speed Control /
Stationary PTO on certain 2022 thru 2024
International® HV™ and MV™ Series trucks built
01/08/2021 thru 02/10/2023; 2022 and 2023 IC Bus®
TC Series commercial buses built 03/30/2021 thru
06/10/2022 with feature code 12VXT (Engine Speed
Control; Electronic, Stationary, Variable Speed) or
12VXU (Engine Speed Control for PTO; Electronic,
Stationary Pre-Set, Two Speed Settings)**



CUSTOMER LETTER

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

DEFECT DESCRIPTION

On certain vehicles equipped with an automatic transmission, if the automatic transmission is still in drive or reverse position and the stationary variable engine speed control or stationary PTO switch is engaged, the engine RPM could ramp up and may overcome parking brake hold capability, resulting in possible unexpected vehicle movement. Unexpected movement of the vehicles from the park position can increase the risk of property damage or personal injury.

MODELS INVOLVED

This safety recall involves certain 2022 thru 2024 International® HV™ and MV™ Series trucks built 01/08/2021 thru 02/10/2023; 2022 and 2023 IC Bus® TC Series commercial buses built 03/30/2021 thru 06/10/2022 with feature code 12VXT (Engine Speed Control; Electronic, Stationary, Variable Speed) or 12VXU (Engine Speed Control for PTO; Electronic, Stationary Pre-Set, Two Speed Settings).

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with Safety Recall 23504. Also complete any other open campaigns listed on the Service Portal at this time.

PARTS INFORMATION

There are no parts for this campaign.

TOOLS INFORMATION

Part Number	Tool Description	Quantity
N/A	EZ-Tech®	1
N/A	Cummins INSITE™	1
N/A	Approved USB Communication Interface	1
PSC550CC	Battery Charger 55 Amp	1

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.

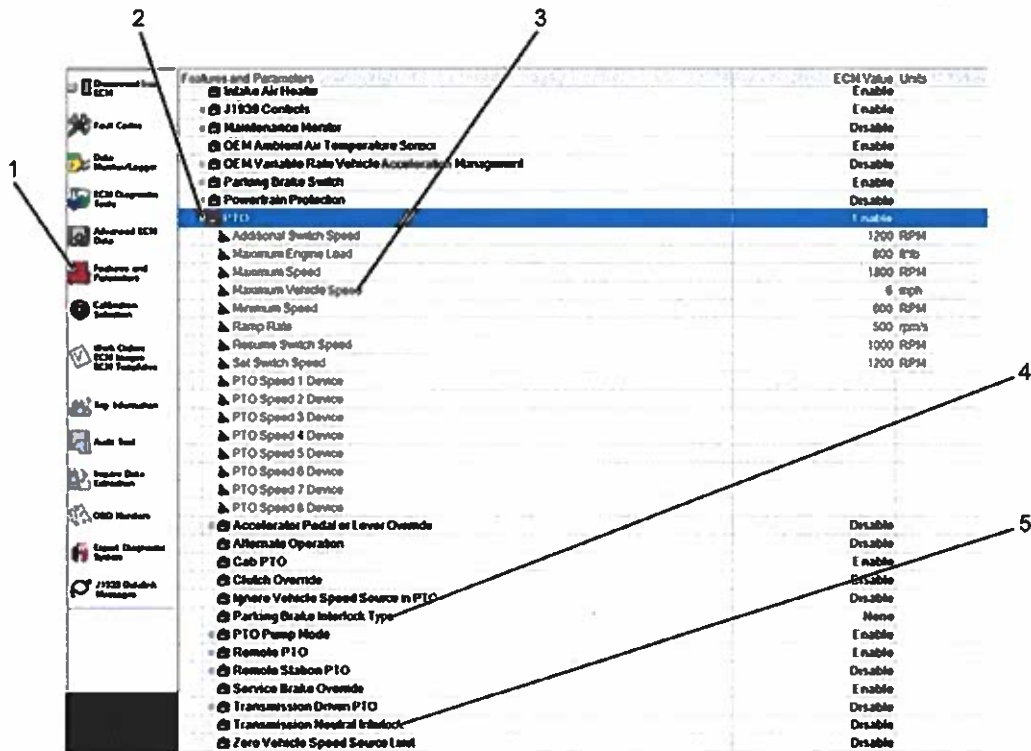
WARNING! To prevent personal injury and / or death, always wear safe eye protection when performing vehicle maintenance.

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

1. Bring vehicle into shop and park 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 battery.
6. Connect EZ-Tech® to vehicle with approved USB communication interface.

VEHICLE RECALL 23504

7. Turn ignition to Key ON position, Engine OFF.
8. Connect to Cummins INSITE™.



0000477331

Figure 1. Features and Parameters menu

1. Features and Parameters button
2. PTO menu
3. Maximum vehicle speed interlock / value
4. Parking brake interlock type / value
5. Transmission neutral interlock / value

9. Select Features and Parameters button (Figure 1, Item 1) from the menu table on left side.

NOTE: PTO must be on ENABLE in order to modify parameters below it.

10. Scroll down to PTO menu (Figure 1, Item 2).

11. For the following PTO parameters, set as follows.
 - a) Parking Brake Interlock Type: ALL (Figure 1, Item 4).
 - b) Transmission Neutral Interlock ENABLE (Figure 1, Item 5).
 - c) Maximum Vehicle Speed: 2 mph (3.2 km/h) (Figure 1, Item 3).

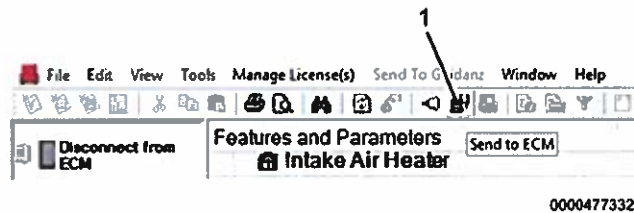


Figure 2. Features and Parameters

1. Send to ECM button
12. Select the Send to ECM button (Figure 2, Item 1) from the menu table at the top.
13. Once send has completed, turn ignition to Key OFF position and wait 30 seconds.
14. Turn ignition to Key ON position, Engine OFF and verify parameter settings have been saved.
15. With ignition still in Key ON position and Engine OFF, clear all DTCs.
16. Disconnect EZ-Tech® from vehicle.
17. Remove battery charger / maintainer from vehicle battery.
18. Start engine, confirm parking brake is set, place transmission in drive or reverse, and activate stationary variable engine speed control or stationary PTO switch to verify there is no vehicle movement.
19. Place transmission in park or neutral.
20. Turn ignition to Key OFF position.
21. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-23504-1	Reset Parameters	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

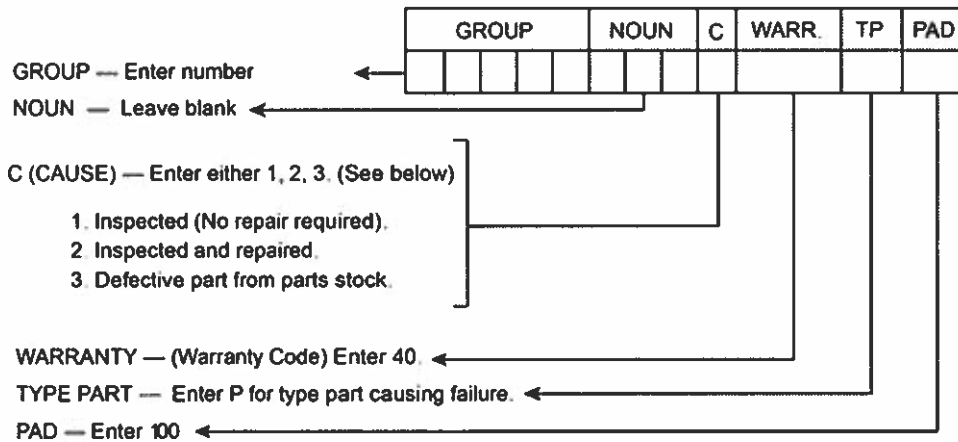
ADMINISTRATIVE / DEALER RESPONSIBILITIES

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 23504.

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.



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.

VEHICLE RECALL 23504

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.

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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.

