

SERVICE PROCEDURE

**20510R1
MARCH, 2021**

SUBJECT: SAFETY RECALL
Stationary PTO on certain International® HV™ Series trucks built 01 May 2019 thru 09 November 2020, International® MV™ Series trucks built 04 December 2017 thru 12 November 2020, DuraStar® models built 08 October 2013 thru 16 August 2019, and WorkStar® models built 15 December 2014 thru 05 April 2017 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)

DEFECT DESCRIPTION

On certain trucks equipped with an automatic transmission, if the automatic transmission is still in Drive (D) or Reverse (R) position and the stationary PTO switch is engaged, the engine rpm could ramp up and may overcome parking brake hold capability resulting in possible vehicle movement. Unexpected movement of the truck from the park position can increase the risk of property damage or personal injury.

REASON FOR REVISION

An important NOTE has been added prior to Step 11 related to ECM calibration. A second SRT has been added.

MODELS INVOLVED

This safety recall involves certain International® HV™ Series trucks built 01 May 2019 thru 09 November 2020, International® MV™ series trucks built 04 December 2017 thru 12 November 2020, DuraStar® models built 08 October 2013 thru 16 August 2019, and WorkStar® models built 15 December 2014 thru 05 April 2017 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).

VEHICLE RECALL 20510R2

ELIGIBILITY

This procedure applies ONLY to vehicles marked in the International® Service PortalSM with Safety Recall 20510. 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. 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 battery.

6. Connect EZ-Tech® to vehicle with approved USB communication interface.
7. Turn vehicle ignition to Key ON, Engine OFF position.
8. Connect to Cummins INSITE™.

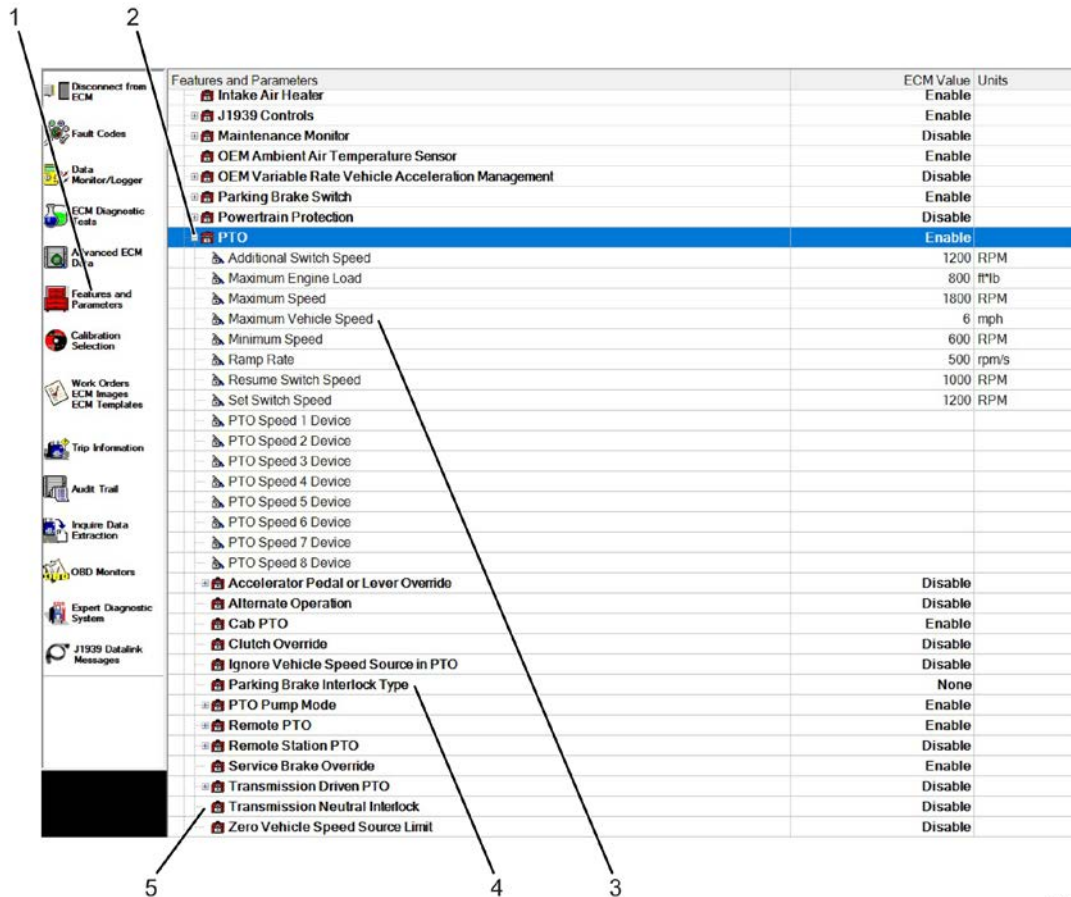


Figure 1. PTO Parameters

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1. Features and Parameters button
2. PTO menu
3. Maximum Vehicle Speed value
4. Parking Brake Interlock Type value
5. Transmission Neutral Interlock value

9. Select FEATURES AND PARAMETERS button (Figure 1, Item 1).

NOTE: Set PTO to ENABLE before modifying parameters.

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

NOTE: If the PTO parameters are unavailable to reset in Step 11, go to Cummins QuickServe Online and check for calibration updates for the ESN you're working on and update to most current calibration available. Then perform Step 11.

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

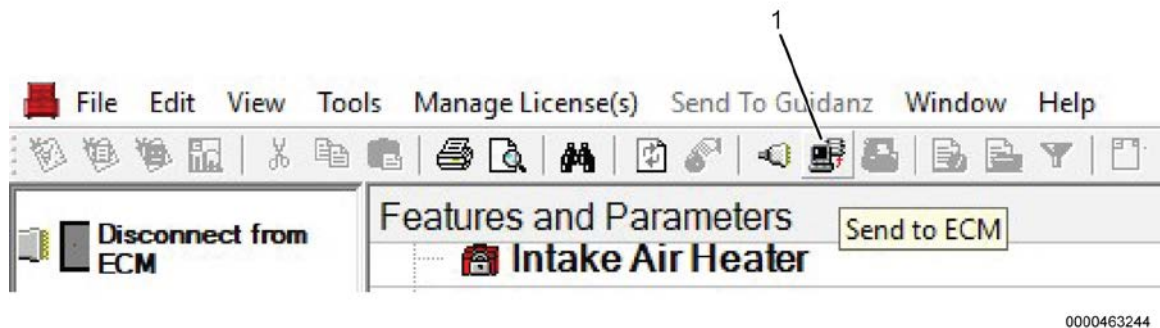


Figure 2: Send to ECM

1. Send to ECM button
12. Select SEND TO ECM button (Figure 2, Item 1).
13. After send is complete, turn ignition to Key OFF position. Wait 30 seconds before proceeding to next step.
14. Turn ignition to Key ON, Engine OFF position. Verify parameter settings have been saved correctly.
15. Disconnect EZ-Tech® from vehicle.
16. Turn ignition to Key OFF position.
17. Remove battery charger / maintainer from vehicle battery.
18. Remove wheel chocks.

END OF SERVICE PROCEDURE

LABOR INFORMATION

Operation Number	Description	Time
A40-20510-1	Reset Parameters	0.5 hr
A40-20510-2	Recalibrate ECM and Reset Parameters	0.9 hr

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.



The image shows a rectangular label template with a black border. At the top, it says "DO NOT REMOVE" in white. Below that, in a white rounded rectangle, it says "INTERNATIONAL" in bold. Underneath, there are fields for "Campaign No.", "VIN", "Eng.#", and "Service Location Code #". At the bottom of the white area, it says "COMPLETED". At the very bottom of the label, it says "DO NOT REMOVE" in white.

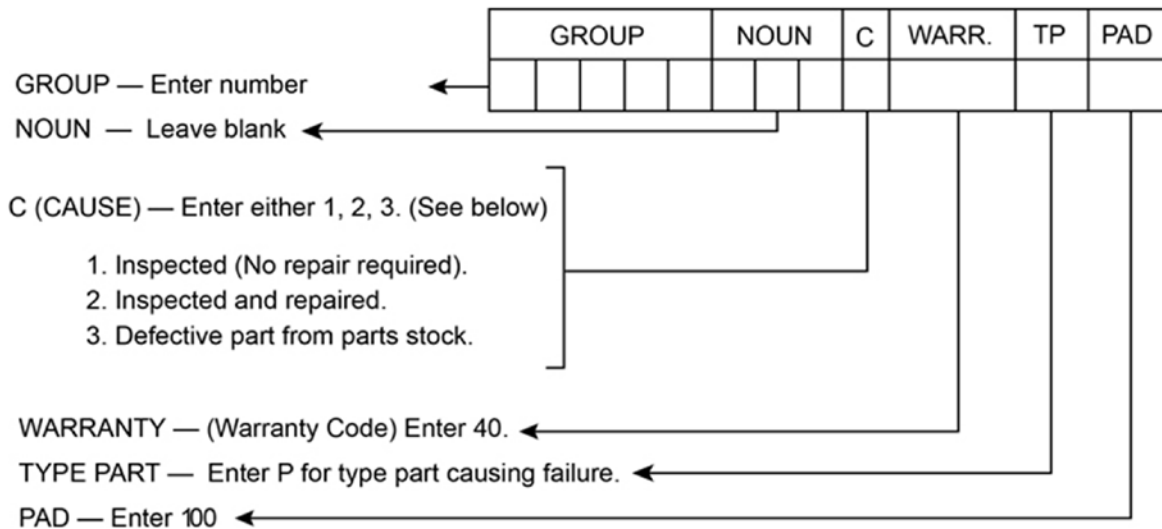
ADMINISTRATIVE / DEALER RESPONSIBILITIES

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 20510.

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.

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.

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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.

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.