

A CUMMINS FIELD CAMPAIGN

Please Deliver To: Service Managers and Warranty Decision Makers

FROM: Cummins Global Warranty Administration Communications

Subject: L9 / ISX12 Fuel Rail Safety Campaign for Select North American On-Highway Applications

Number: C2423

Date: 07-Sep-2021

Expires: 24-Jun-2051 (U.S./Canada)
24-Jun-2051 (International)

Attention: U.S. / Canadian Dealers
U.S. / Canadian Distr./Branches and Div. Offices (Automotive)

This is to revise and replace C2423, dated 13-Jul-2021. This revision is to:

- 1 Update narratives, and
- 2 update SRTs.

If additional information is required, please contact your Cummins Warranty Operations Group Leader.

DESCRIPTION:

This Safety Campaign is being issued to address a defect which relates to safety that exists in certain Cummins L9 and ISX12 engines manufactured between January 2, 2017 and October 16, 2020.

The fuel rail assembly may develop leaks, which may result in an undetected prolonged diesel fuel spray. The operator may see or smell diesel fuel and, in some cases, the check engine lamp may illuminate. A leak involving spraying/misting fuel in the presence of an ignition source may increase the risk of fire.

NOTE: This field action provides retroactive coverage for repairs made in anticipation of and prior to the release of this publication.

ACTION:

In order to qualify for repair under this field action, an engine:

- 1 will be covered Regardless of coverage status, and
- 2 **must** show as OPEN on QuickServe® Online for this field action.

NOTE: The ESN list is attached for reference.

After verifying that the engine meets the above requirements, perform the following actions:

- 1. Remove the pressure relief valve and high-pressure fuel fitting to access the sealing washers.
 - 1.A. Remove the pressure relief valve from the fuel rail. Refer to Procedure 006-061 in the appropriate service manual for further detail.
 - 1.B. Remove the #1 injector supply line from the fuel rail, as well as the high-pressure fuel fitting, from the fuel rail. Refer to Procedure 006-051 in the appropriate service manual for the injector supply line and TSB210113 for additional information on the high-pressure fuel fitting.
- **NOTE: Only** the #1 injector supply line needs to be removed for this repair to access the sealing washer on the left side of the fuel rail. **Only** Claim 1 count each of the appropriate SRT for Injector Supply Line Remove and Install Each - Additional.
- 2. Remove and discard the sealing washers using the appropriate tool. Refer to TSB210113.
 - NOTE:** A special tool **must** be used when removing the sealing washer to prevent end thread damage upon removal of the washers. Please refer to TSB210113 for instructions to create the sealing washer removal tool. If the repair location is unable to create this tool, please reach out to the local Cummins Distributor branch for assistance.
- **NOTE:** There are 2 sealing washers that need to be installed, one located on each end of the rail.
- 3. Visually inspect the end thread surfaces of the fuel rail for damage. Refer to TSB210113 for visual examples.
- 4. Based on inspection results, follow Repair Path A or B as outlined below.

Repair Path A: If no damage to fuel rail end threads exists;

- 4. A.1. Complete installation of new washers. Refer to TSB210113.

NOTE: A new Seal Installer Tool, Part Number 5573487, has been released for use in this repair and **MUST** be used to install the washers. This tool is **not** a consumable and can be used to complete multiple repairs. Each Repair Location will be allowed to order up to three of the Seal Installation Tools, PN 5573487, to complete the repairs described by this Campaign. Orders of more than 3 of 5573487 will be cancelled unless ordered per the instructions in PPC# 6043.

- 4. A.2. Place a paint dot on the fuel rail to indicate that the washer installation has been completed.
- 4. A.3. File one claim for **only** the applicable parts, labor, access, and travel or towing listed in this field action.

Repair Path B: If the fuel rail end threads are damaged, see TRP2456 for rail replacement parts and repair instructions.

- 4. B.1. After completing TRP2456, file two claims:
- 4. B.1a File one claim to this Campaign #2423 for **ONLY** the applicable parts, labor, access, and travel or towing listed in this field action. **DO NOT** include the sealing washers nor the associated labor to remove and install the pressure relief valve. Upfits are covered within the work performed to complete TRP2456.

NOTE: This Campaign #2423 **DOES NOT COVER** the parts nor the labor associated with the rail replacement work. Please refer to TRP2456 for reimbursements

- 4. B.1b File one claim to TRP2456 for **only** the fuel rail parts and labor.

MATERIAL DISPOSITION:

Where applicable, items removed should be returned to ReCon for core credit. Unless otherwise indicated, items with no core liability can be scrapped.

REIMBURSEMENTS:

Parts:

Parts listed are OPTIONAL. They are NOT claimable in the event progressive damage to the fuel rail end threads are found. Upfits will be covered within the work performed to complete TRP2456.

Part Number	Quantity	Description
498438200	2	WSH,SNG (OPTIONAL)

NOTE: SRTs to gain access that are required to complete the repair, that are sufficiently explained in the claim narrative, may also be claimed on this action.

NOTE: SRTs listed are OPTIONAL. Select **ONLY** the appropriate SRTs for the repair performed.

Labor using applicable Access Code and Time:

SRT Code	Description	Time
00-90X	Administrative time	
06-028	Fuel Tube, Injector Supply - Remove and Install, Each Additional (Common Rail Fuel System) (OPTIONAL)	
06-07Y	FUEL PRESSURE RELIEF VALVE - REMOVE AND INSTALL - L9 CM2350 L116B (OPTIONAL)	
06-085	Injector Supply Lines (High Pressure) - Remove and Install, Each Additional - L9 CM2350 L116B (OPTIONAL)	
06-09L	Fuel Pressure Relief Valve - Remove and Install - L9 CM2350 L123B (OPTIONAL)	
06-09W	Injector Supply Lines (High Pressure) - Remove and Install, Each Additional - L9 CM2350 L123B (OPTIONAL)	
06-0BB	Injector Supply Lines (High Pressure) - Remove and Install, Each Additional - L9 CM2350 L119B (OPTIONAL)	
06-0BL	Fuel Pressure Relief Valve - Remove and Install - L9 CM2350 L119B (OPTIONAL)	
06-118	Fuel Lines, Injector Supply - Remove and Install - Each (OPTIONAL)	
06-129	Fuel Pressure Relief Valve - Remove and Install (OPTIONAL)	

Travel:

Travel is covered under this field action. Towing is covered under this field action.

NOTE: Please schedule the Technicians time to maximize the number of units that can be repaired on a single visit. When filing claims for multiple ESNs, where travel or towing is required, travel or towing can be filed to **ONLY** one (1) ESN.

Other Claimables:

Consumables are covered under this field action.

NOTE: Additional parts, such as o-rings, gaskets and fasteners, that are required to complete the repair, but **not** listed, may be claimed in Other Claimables. Please consolidate all consumables and claim them as one line item in Other Claimables titled CAMPAIGN SUPPLIES or other appropriate selections. Please include brief summaries on the details of items claimed.

NOTE: As required due to progressive damage to the fuel rail end threads, TRP2456 is available for the replacement of the fuel rail. The TRP covers **only** the fuel rail parts and required labor. Consumables, travel, towing, or any other costs not outlined in TRP2456 can be claimed against this Safety Campaign. Please consolidate all consumables and claim them as one line in Other Claimables titled "CAMPAIGN SUPPLIES". Please include brief summaries on the details of items claimed.

Claim Instructions:

For Cummins Dealers, claims for this Field Campaign **must** be filed via **RAPIDSERVE™** Web (rsw.cummins.com). For information regarding **RAPIDSERVE™** Web, please reference the "Warranty" tab in QuickServe® Online. If there are additional questions, please contact your local Cummins Distributor.

Account Code: 65
Pay Code: North America Distributor = X
Pay Code: North America Dealer = D
Pay Code: International Distributor = I
Pay Code: International Dealer = R
Failure Code: WFLSWA

Attachments
c2423_esn-list.xlsx