



Temporary Repair Practice

TRP Number: t7072	Revision: E	Released Date: 30-Jul-2026
X15 Nozzle Replacement on Fuel Injectors Canada Focus TRP		Expiration Date (U.S. and Canada): 15-Dec-2028
		Expiration Date (International): 15-Dec-2028

Attention

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

This is to revise and replace TRP 7072-D, dated 19-Mar-2026. This revision is to:

- **Update Action Section.**

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

Description

This TRP is being issued to repair degraded fuel injectors with guidance from TSB230162 on certain X15 CM2450 X134B and X142B certified engines. Where authorized, the full set of injectors will be replaced addressing a potential concern for fuel injector degradation, avoiding excessive regeneration or excessive soot accumulation in DPF that may lead to an engine light for associated fault codes listed below. This field action authorizes certified repair locations to remove and replace the degraded fuel injectors with renozzled fuel injectors as received from a certified ReNozzle Center. Completion of TSB230162 is required by all Distributor and Dealer Channels for repairs claimed to this TRP.

Note : For Guidance on Timing and TRP Flow, please review Attachment B, FAQ Section, page 4.

Action

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

1. **must** be within coverage limits for a valid warranty coverage certificate covering fuel injector and,

2. **must** record one or more of any of the following symptoms or fault codes; FC1921, FC1922, FC1981, FC2639, FC3375, FC3376, Regeneration Excessive, and
3. **must** complete TSB230162, through the completion and submission of the authorization form detailed in the TSB230162, and
4. **must** be directed to this TRP by troubleshooting guidance or receive Cummins Care Instruction to continue with TRP7072, and
5. **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. Complete the relevant instructions received following the completion and submission of the requisite form detailed in TSB230162. Do not proceed unless authorized to do so.

Note : No authorization is required for those utilizing Guidanz as part of their service repair.

2. Order the Packaging Box, Part #6520055.
3. Please refer to the appropriate Service Manual. Follow procedure 006-026 in Section 6 for Injector, proceed to remove all 6 fuel injectors.
4. ALL removed injectors **MUST** be cleaned prior to packaging. Complete the cleaning procedure for the injectors. Please refer to Attachment B, Pre-Shipping Cleaning Procedure for detailed instructions.
5. Follow instructions in Attachment B to ensure proper packaging. To ensure appropriate component labels, print and fill out Attachment C. This should be placed inside the box as illustrated in Attachment B.
6. The Service provider can utilize the shipping entity of preference for Shipments. Shipping cost may vary depending on location. This field action requires the Service Provider to submit the shipping invoice via warranty@cummins.com for overnight shipping costs. See details in Attachment B. Generate the label and affix to the packaging box. Renozzle location addresses can be found in the Attachment B.

Note : For better tracking, ensure the recommended information is filled in the shipping label as indicated in Attachment B.

7. Prior to shipping injectors, fill out the ReNozzle Injector Survey. This will provide insights to the ReNozzle Center on expected package to be received and tracking details. Hyperlink also available on Attachment B under ReNozzle Injector Survey:
<https://forms.office.com/r/2s996DuqtN>
8. If FC1922 is present, perform the DPF cleaning. Referring to Owner's Manual Section 564-101-047, choose the cleaning method that best fits the application. Costs associated with third-party support for DPF cleaning, including the transfer and return of the DPF, can be claimed in the Other Claimables section, summarized as Campaign Supplies.

Note : In the claim narrative, please include DPF Cleaning Method, and related costs. If the DPF is damaged, or otherwise deemed unusable, take appropriate

steps to replace the DPF and claim to the existing coverage supporting the FIAS Fail Code.

9. Once Fuel Injectors have been returned from ReNozzle Center, proceed to install fuel injectors per procedure 006-026. All required seals and additional components for installation will be included within the returned packaging box.
10. Once installation is completed, and if any of the fault codes, 1921, 2639, 3375, 3376 are logged, proceed to perform the Aftertreatment Diesel Particulate Filter (DPF) Regeneration.

Note : The DPF Regeneration is intended to clean the Aftertreatment System and clear any remaining Fault Codes related to this issue.

11. Perform the Injector Performance Test (IPT) to verify appropriate functionality of all 6 fuel injectors.

Note : Replace any fuel injectors that fail to pass the IPT Test with a ReCon injector, Cummins P/N 651358900PX or the ReCon equivalent. All failed injectors MUST be returned to Cummins ReCon.

Note : All fuel injectors replaced with part number 651358900PX or the ReCon equivalent are subjected to audit based on IPT results and can ONLY be claimed against existing warranty coverage. Replacement of renozzled fuel injectors should be considered ONLY if IPT results register as FAILED.

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

Note : Parts listed are OPTIONAL, and should ONLY be used if the provided renozzled injectors fail the Injector Performance Test (IPT). Failed injectors should be returned to Cummins ReCon.

The following parts are covered under this field action:

Part Number	Quantity	Description
651358900	1	KIT,INJ (RECON, POST IPT - INFO ONLY)
651358900PX	1	KIT,INJ (RECON, POST IPT - INFO ONLY)
652005500	1	KIT,CEN

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

Labor Using Applicable Access Code and Time

SRT Code	Description	Time (hrs)
00-90F	Technician Administrative Time - Field Action Service Events	
06-0XP	Injector - Remove and Install, All - X15 CM2450 X134B	
06-1Y9	Injector - Remove and Install, All - X15 CM2450 X142B	
11-0ZU	Aftertreatment System, (Vertical) - Remove and Install - X15 CM2450 X134B	
11-0ZV	Aftertreatment System, (Horizontal) - Remove and Install - X15 CM2450 X134B	
11-23T	Aftertreatment System, (Vertical) - Remove and Install - X15 CM2450 X142B	
11-23U	Aftertreatment System, (Horizontal) - Remove and Install - X15 CM2450 X142B	
14-006	Injector - Performance Test , One or All (Electronic Service Tool)	
99-008	TSB230162; ECM IMAGE - OBTAIN AND SUBMIT (OPTIONAL - QTY 1)	
99-00D	DPF CLEANING (OPTIONAL - QTY 1)	
99-901	AFTERTREATMENT DIESEL PARTICULATE FILTER (DPF) - REGENERATION (OPTIONAL - QTY 1)	

SRT Code	Description	Time (hrs)
99-902	PRE-PACKAGING INJECTOR CLEAN UP (OPTIONAL - QTY 1)	
99-907	SHIPPING INVOICE REQUEST	

Travel

Travel is **not** covered under this field action. Towing is **not** covered under this field action.

Other Claimables

Consumables are covered under this field action.

Note : Additional non-Cummins 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. A lack of documentation in the narrative may result in a reduction in claim reimbursement or claim denial.

Claim Instructions

For Cummins Dealers, claims for this TRP **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.

Claim Codes	
Description	Code
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:	WFIAS5

Attachments

[Click here to see t7072_esn-list.xlsx](#)

[\(/service/english/attachments/t7072_esn-list.xlsx\)](#) [Click here to see t7072_attachment-b.pdf](#)

(/service/english/attachments/t7072_attachment-b.pdf) Click here to see t7072_attachment-c.pdf

(/service/english/attachments/t7072_attachment-c.pdf)

Engine Family	Fuel System
ISX, QSX15 ISX15	
ISX, QSX15 ISX15	
Design Application	Market Application
Automotive	Automotive
Automotive	Automotive

Document History

Date	Details
	Document Created; 31-Oct-2024
	Extend the Expiration date, update the Action, update the Material Disposition, update the Reimbursements, update Attachment B, update SRT description; 12-Jun-2025
	Update narrative; 10-Jul-2025
	Update narrative and attachment b; 25-Sep-2025
	Update edpiration date to 15-Dec-2028 and Update Action; 19-Mar-2026
	Update Action Section; 28-Jul-2026

Last Modified: 30-Jul-2026



TRP7072, Attachment B

**X15 Fuel Injector Nozzle
Replacement TRP
Canada Focus**

Revision: 9/16/2025

X15 Fuel Injector Nozzle Replacement TRP Canada Focus

1. Overview
2. Timing and TRP Flow FAQ
3. Pre-Shipping Cleaning Procedure for Fuel Injectors
4. Packaging Instructions
5. Re-Nozzle Injector Survey
 - a. Addendum: Renozzle Location (Point Claire and Edmonton Addresses)
6. Shipping Costs Reimbursement Request

1. Overview

TRP T7072 provides authorization for certified repair locations to remove, ship, and reinstall fuel injectors while completing repairs for certain engines according to TSB 230162.

The following pages detail the cleaning procedure and packaging instructions.

2. TRP Timing and Flow FAQ

X15 Injector Field Action Usage and Interaction

- Cummins has released 2 Field Actions to support the X15 Fuel Injector Nozzle Replacement process. This program will ensure your engine has the most-up-to-date injector hardware to prevent frequent regenerations and certain aftertreatment fault codes. Both Field Actions will show as OPEN on QSOL for an eligible engine, but authorized Service Providers diagnosing and repairing the engine should ignore TRP7073.
- TRP7072 was released to allow Cummins authorized Service Providers to diagnose an issue with fuel injectors based on TSB230162, send the fuel injectors to a rebuild location for repair, and reinstall the upgraded injectors. The engine must be within coverage for a fuel injector failure for TRP7072 to apply. Please follow all instructions in this TRP exactly to ensure the work performed is covered by the program.
- TRP7073 applies to authorized Injector Repair Facilities ONLY and allows them to claim parts and labor for the work they are doing to support TRP7072. TRP7073 only applies to certain locations and no other Service Providers are allowed to do this work. Ignore this Action if you are not an authorized Injector Repair Facility.

Customer Communication

- The X15 Fuel Injector Nozzle Replacement process ensures that your engine has the most up-to-date injector hardware. This updated hardware will prevent future downtime related to Aftertreatment failures and/or frequent regeneration.
- Cummins has worked closely with the Injector Repair Facilities to ensure they are adequately equipped and have the capacity to keep up with demand. The cycle time to update the nozzle hardware for the injector will be further communicate in upcoming revisions; however, with **overnight shipping**, the goal is a **1-day turnaround at the Injector Repair Facility**. Shipping times can vary pending geographical location.
- While there are some exceptions, this process should align with the same amount of cycle time that an injector replacement repair would take.

3. Pre-Shipping Cleaning Procedure for Fuel Injectors

The following procedure requires to work 1-injector at a time. Process to be repetitive for all 6-Injectors.

1. Use Isopropyl Alcohol or Contact Cleaner to rinse any fuel or oil residual from injectors
2. To protect injectors, ensure to rinse with HPC port faced down and away from rinsing nozzle.

Note: Do not rinse into HPC Port.

3. Use air nozzle to blow dry.



Step 1,2.



Step 3.

4. Packaging Instructions - CAUTION



Issues to Avoid:

- Avoid oil-wetness on cardboard (FEDEX may refuse delivery if box is wet)
- Do NOT wipe parts over-top of the ship box
- Avoid dislodged parts (leave cardboard stiffening pieces in place)

Step 1: Wipe oil from the outside of injector.



- Use a lint free cloth
- Blow dry with air-nozzle if necessary
- Avoid direct contact with the side feed inlet

Step 2: Place Injectors into bags



- Insert into clean bag
- Insert needle end first
- Fold the top of the bag over
- 12 Bags are provided. Please “double-bag” each injector.



Step 3: Place Injectors in the Shipping Box



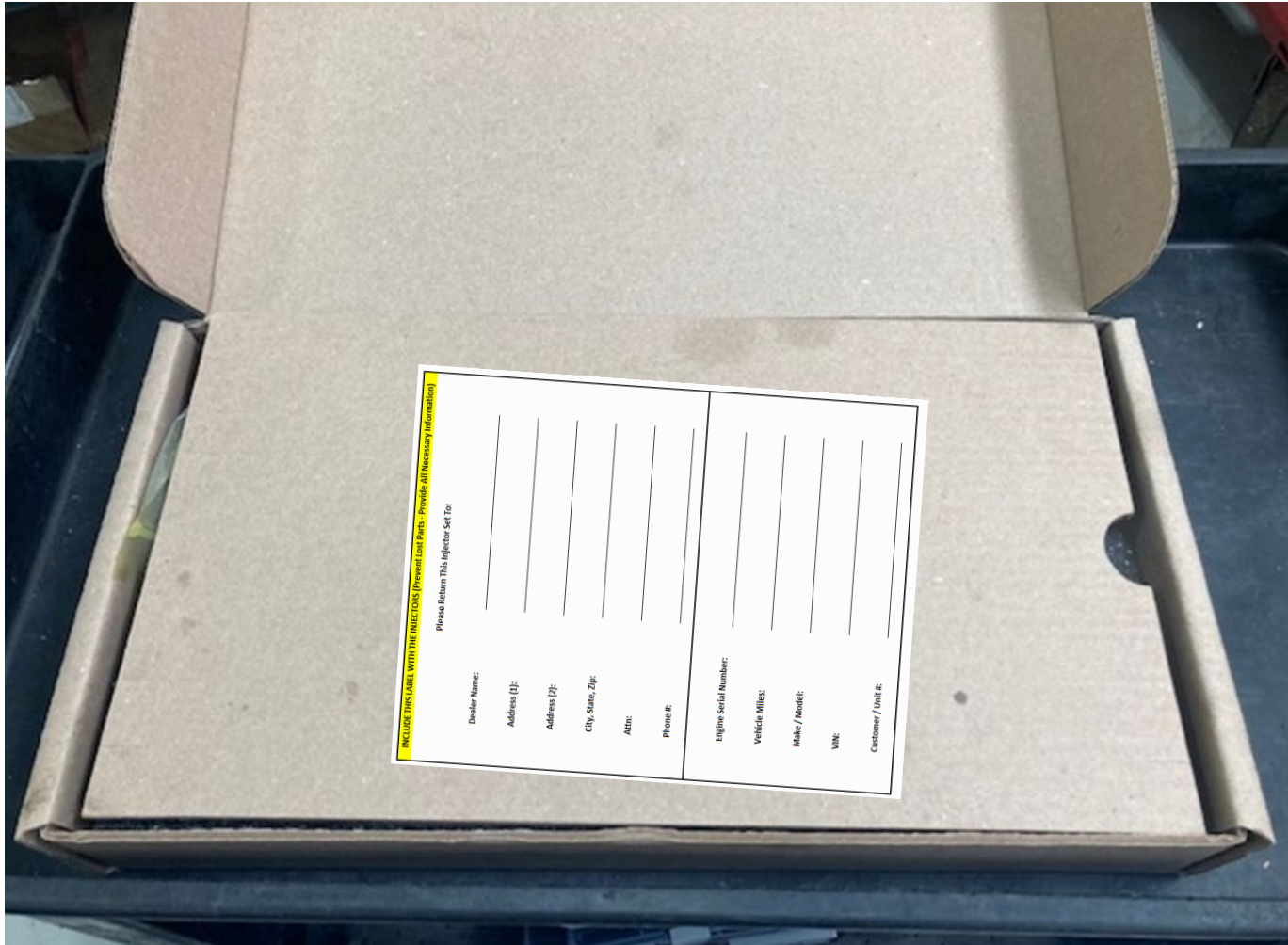
Nozzle End

Solenoid End

- Load the double-bagged injectors into the foam slots
- The nozzle end goes into the smaller slot nearest the lid
- Leave the six (6) cardboard stiffeners in place
 - Note: these slots will have new HPCs installed when the injectors are returned.



Step 4: Fully packed for shipment.



- Place the large cardboard stiffening piece over the injectors.
- Print out and complete the identification form (next page – Attachment C) and include it prior to closing the lid.

Identification Form (Attachment C):

INCLUDE THIS LABEL WITH THE INJECTORS (Prevent Lost Parts - Provide All Necessary Information)	
Please Return This Injector Set To:	_____
Dealer Name:	_____
Service Provider Code:	_____
Address (1):	_____
Address (2):	_____
City, State, Zip:	_____
Attn:	_____
Phone #:	_____
Email:	_____
Providing email allows us to send return tracking information	
Engine Serial Number:	_____
Date in Service:	_____
Fail Date:	_____
Vehicle Miles:	_____
Make / Model:	_____
VIN:	_____
Customer / Unit #:	_____
Control Number	_____

Step 5: Apply packaging tape



- Apply packaging tape at five (5) places to close the box
- Attach the shipping label

5. Re-Nozzle Injector Survey

The following instructions are required to provide proper notification of degraded fuel injectors on the way to Re-Nozzle Locations.

1. Either by scanning the QR Code below or copying to any Internet Browser the hyperlink below, fill the point of contact details along with ESN and tracking details.

Note: Select your most convenient location for Re-Nozzle Location Center.

English: <https://forms.office.com/r/2s996DuqtN>



French: <https://forms.office.com/r/Y97XQG4Dbh>



Addendum: Renozzle Locations

Canada Renozzle Locations

- **Eastern Canada – Point Claire: 56335**
7200 Route Transcanadienne
Pointe-Claire, QC H9R 1C2
800-663-6686
- **Western Canada - Edmonton: 56255**
11751 181 Street Northwest
Edmonton, AB T5S 2K5
800-252-7989

6. Shipping Cost Reimbursement Request

The process to submit request for Overnight Shipping Costs Reimbursement is as follows:

1. Send email to warranty@cummins.com containing the following information:

- a. A copy of Shipping Invoice.
- b. Justification stating “Overnight Shipping to Renozzle Location”
- c. Total Cost being Claimed. Itemize all costs in the email, if possible.

Note: This email should be sent prior to claim submission.

2. Once the email has been sent, the claim can be submitted.

3. When creating the claim, follow these steps:

- a. Shipping Charge should be filed in Other Claimables section and claimed as “Campaign Supplies”.
- b. Add total cost being claimed for the Shipping in the Amount field.
- c. Include the justification in the claim narrative for compliance purposes.

Note: Any missing information from the claim will result in the claim being sent back for more information or denied as necessary.



INCLUDE THIS LABEL WITH THE INJECTORS (Prevent Lost Parts - Provide All Necessary Information)

Please Return This Injector Set To: _____

Dealer Name: _____

Service Provider Code: _____

Address (1): _____

Address (2): _____

City, State, Zip: _____

Attn: _____

Phone #: _____

Email: _____

Providing email allows us to send return tracking information

Engine Serial Number: _____

Date in Service: _____

Fail Date: _____

Vehicle Miles: _____

Make / Model: _____

VIN: _____

Customer / Unit #: _____

Control Number _____