Temporary Repair Practice

TRP Number: t2084	**Revision**: D	**Released Date**: 13-Dec-2019
ISB and ISL CM2350 SCR Replacement TRP		**Expiration Date (U.S. and Canada)**: 30-Sep-2024
		Expiration Date (International): 30-Sep-2024

Attention

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

This is to revise and replace TRP 2084-C, dated 18-Jun-2019. This revision is to:

1. **Update the narrative, and**
2. **close of Retroactive Coverage and parts disposition, and**
3. **extend the expiration date to: 30-Sep-2024.**

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

Description

This field action authorizes certified repair locations to upfit certain ISB and ISL CM2350 engines with an improved SCR Catalyst, if the engine meets the criteria listed below. For MY2013 thru MY2014 engines that qualify for a new SCR Catalyst, a new wiring harness connector plug and a calibration update will be required.

Note : For a limited time, as noted in Warranty Memo #1825, this field action provides for retroactive coverage of repairs, including customer billable repairs, completed by Cummins authorized repair locations prior to the release date of this field action. Previous repairs may be eligible for reimbursement of **ONLY** the work defined in this publication. Service providers should have invoice documentation of original repair ready for support of the retroactive claim. All Service Providers attempting to file claims for retroactive repairs should reference Warranty Memo #1825 for instructions. Retroactive claims will **not** be accepted AFTER 11 December 2019.

Note : If original repair was not completed by a Cummins authorized repair location, the labor amount is **not** reimbursable. **ONLY** parts will be reimbursed.

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 an OPEN status for this field action on QuickServe® Online, and
3. **must** experience a complaint or symptom in which troubleshooting results in the replacement of the SCR catalyst.
4. For ISB and ISL CM2350 (Model Year 2013 thru 2014 Product), please refer to Warranty Memo #1925 for a active link to the SCR P/N Tool. Use the SCR P/N Tool to verify eligibility and to determine the replacement SCR to use for the repair. If the unit is fitted with an eligible SCR, **only** the identified replacement SCR **must** be used in completing this field action.

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

1. If all qualifying parameters detailed above are met, please refer to Warranty Memo #1925 to verify eligibility and to determine the replacement SCR to use for the repair. If the unit is fitted with an eligible SCR, **only** the identified replacement SCR must be used in completing this field action. The verification and selection tool takes precedence over any other prior published service/part guidelines, for the duration of this field action.

   Note : For eligible ISB CM2350 and ISL CM2350 (Model Year 2013 thru 2014 Product) the SCR catalyst **must** be replaced. Refer to procedure SCR Catalyst Remove and Install in section 011-036 of Service Manuals 2883567 (ISB6.7 CM2350 B101), 4332641 (ISB6.7 CM2350 B103),5411131 (ISB6.7 CM2350 142), 4310787 (ISL9 CM2350 L101), or 4367223 (ISL9 CM2350 L111). New SCRs delete the NH3 Sensor and move from a three (3) sensor to a NEW two (2) sensor configuration. This action provides coverage for a wiring harness connector plug to cap and secure the NH3 sensor connector that will no longer be used. The installation of a wiring harness connector plug in the NH3 sensor connector will require an ECM calibration update. Please refer to Attachment C for a table of ECM base codes and CPLs for your consideration. Please refer to Attachment D for instructions on installing and securing the wiring harness connector plug.

2. Download the latest calibration available on QuickServe® Online. Recalibrate the ECM as described in Procedure 019-032 of Service Manuals 2883567 (ISB6.7 CM2350 B101), 4332641 (ISB6.7 CM2350 B103), 5411131 (ISB6.7 CM2350 142), 4310787 (ISL9 CM2350 L101), or 4367223 (ISL9 CM2350 L111).
3. As required, complete "Label, Authorized Change," Cummins Part Number 5297400. Clearly print or type "SCR Catalyst Update" in the center box. Fill in the Campaign Number, Distributor or Dealer Code and Date information. Peel off the backing material and install the label on the engine valve cover near the engine data plate. There is a clear protective cover on this label. Peel the backing off of this cover and push the clear cover over the printed material.
4. As required, an "Emissions Campaign - Proof of Correction" form, Bulletin #4310621, **must** be filled out and provided to the customer. Inform the customer to retain this certificate as proof that the Emissions Campaign has been performed. This form may be required as proof of an Emissions Campaign by the State of California, for vehicles registered in that state, the next time the vehicle registration is renewed. Please refer to Attachment E for a representative sample of the Emissions Campaign - Proof of Correction Bulletin.

Note : Certified repair locations outside of California, who elect to perform this campaign on engines installed in vehicles that are registered in the state of California, are authorized to do so if they have the two items noted above in their inventory.

5. File one claim for **only** the applicable parts and labor listed in this document. Any labor or parts for diagnostics, troubleshooting or repairs **not** listed in the parts and labor sections below cannot be filed to this field action.

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 : Please refer to Warranty Memo #1925 for a link to the SCR PN Tool to identify SCR eligibility and the correct Replacement SCR. All parts listed are OPTIONAL. Claim **only** the parts required to complete the repair.

The following parts are covered under this field action:

Part Number	Quantity	Description
286633700	1	GASKET,AFM DEVICE (OPTIONAL)
286663600	1	GASKET,AFM DEVICE (OPTIONAL)
288021400	1	GASKET,EXH OUT CNN (OPTIONAL)
288021500	1	GASKET,AFM DEVICE (OPTIONAL)
388639600	1	FLEET COUNT (OPTIONAL)
431062100	1	PROOF OF CORRECTION FORM (OPTIONAL)
529740000	1	LABEL, AUTHORIZED CHANGE (TAG OPTIONAL)
550686600	1	SERVICE KIT, WIRING HARNESS (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 : All SRTs listed are OPTIONAL. Select **ONLY** the appropriate SRTs for the repair performed. **Only** SRTs 17-902 (Campaign/SCR Check) and Admin should be claimed if the unit DID **NOT** require an SCR replacement.

Labor Using Applicable Access Code and Time

SRT Code	Description	Time (hrs)
00-90X	Administrative time	
11-803	AFTERTREATMENT SCR CATALYST - REMOVE AND INSTALL (OPTIONAL)	
17-901	STAMP ENGINE DATA PLATE/APPLY EMISSION STICKER (OPTIONAL)	
17-902	CAMPAIGN/SCR CHECK (OPTIONAL)	
19-611	ENGINE CONTROL MODULE (ECM) CALIBRATION-TRANSFER (CM 2250/CM2350) (OPTIONAL)	

Travel

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

Other Claimables

Consumables are covered under this field action.

Note : Where retroactive claims are appropriate, please consolidate all appropriate invoiced items and claim them as one line item in Other Claimables titled "CAMPAIGN SUPPLIES". Please included brief summaries on the details of items claimed.

Note : Please consolidate all consumables and claim them as one line item in Other Claimables titled "CAMPAIGN SUPPLIES". Please included brief summaries on the details of items claimed.

Note : Additional parts, such as o-rings, gaskets and fasteners, that are required to complete the repair, but **not** listed, may be claimed if sufficiently explained in the claim narrative. Summarize these items and file as "CAMPAIGN SUPPLIES".

Claim Instructions

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

Claim Codes

Description	Claim Codes	Code

Description	Code
Account Code:	65
Pay Code:	Distributor = X
Pay Code:	Dealer = D
Pay Code:	International = I
Failure Code:	WUSSCK

Attachments

Click here to see t2084_esn-list-a.xls

(/service/english/attachments/t2084_esn-list-a.xls) Click here to see t2084_isb_and_isl_cm2350_ecm_base_calibration_and_cpl_table_attach-c.pdf

(/service/english/attachments/t2084_isb_and_isl_cm2350_ecm_base_calibration_and_cpl_table_attach-c.pdf) Click here to see t2084_nh3_sensor_wiring_harness_plug_and_fir_tree_installation_attach-d.pdf

(/service/english/attachments/t2084_nh3_sensor_wiring_harness_plug_and_fir_tree_installation_attach-d.pdf) Click here to see t2084_proof-of-correction_attach-e.pdf

(/service/english/attachments/t2084_proof-of-correction_attach-e.pdf)

Engine Family	Fuel System
ISBe4 (6 Cylinder) QSB6.7 ISB ISDe, ISD4.5, ISD6.7 ISBe, ISB4.5, ISB6.7	

Design Application	Market Application
Automotive	All
Automotive	All

Last Modified: 13-Dec-2019