



SB-10055409-2232

| TRP Number | Revision Level | Date | Group Number |
|-----------------------------------|----------------|---------------------------------|--------------|
| T1465 | B | 10-JUN-2014 | |
| Expiration Date (U.S. and Canada) | | Expiration Date (International) | |
| 01-MAR-2015 | | 01-MAR-2015 | |
| Engine Family | Fuel System | Plant | Build Date |
| | | | From |
| ISX, QSX15 | ISX15 CM2250 | | |



Temporary Repair Practice

ISX15 / QSX15 CM2250 Fuel Pump Repair Instructions for Ceramic Plunger Fracture or Roller/Cam Damage

Attention

- ε U.S / Canadian Distr./Branches and Div. Offices
- ε Worldwide distr./ branches and Div./Reg Offices
- ε U.S / Canadian Dealers

This is to revise and replace TRP 1465-A, dated 21-Mar-2014. This revision is to:

1. Add clarifying note to Parts Reimbursement.

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

Description

This TRP is being issued to direct the actions for certain fuel pump repairs on ISX15 / QSX15 CM2250 Engines that have ceramic pumping plungers in the high pressure pump. The repair action will apply when either the ceramic plunger(s) is fractured **OR** damage to the roller /

tappet assembly is found.

Pre-Authorization is required for Dealers prior to initiating any repairs associated with the actions in this document.

NOTE: For engines still within coverage, a separate claim should be filed to Warranty for reimbursement of the fuel pump replacement portion of the repair. In all other cases, the entire work completed can be filed to this TRP.

This TRP is retroactive to failures on or after 01-Feb-2014.

Action

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

1. will be covered Regardless of coverage status, and
2. **must** be on the attached ESN list, and
3. **must** be within the 5 year/500,000 miles in service window for the ISX15 Automotive applications **OR** within the the 4 year/4,000 hour in service window for the QSX15 Industrial applications.

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

1. Please refer to TSB#140019 for instructions to follow for inspection and repair procedures.

Pre-Authorization is required for Dealers prior to initiating any repairs associated with the actions in this document.

Engines repaired using the instructions within this TRP will be placed on a list that will cover them against future ceramic or metal debris damage to the lubrication system for the period of time, from the fail date associated with this TRP, stated below:

- a. The lesser of 4 months / 30,000 miles for automotive engines.
- b. The lesser of 4 months / 250 hours for industrial engines.

Material Disposition

*Material removed as the result of this field action that have core value should be sent to ReCon® unless flagged by the Enhanced Parts Return (EPR) process.

*Parts flagged via the EPR process should be returned following the stated instructions.

*Material removed with **no** core value should be scrapped.

Reimbursements

Parts

NOTE: The fuel pump and the fuel pump mounting gasket will be used on all repairs, but are listed as optional as they will only be claimed to the TRP when an ESN is out of coverage.

NOTE: The remaining parts are optional based on the damage inspection/repair direction outlined in TSB140019 and when converting from a three cylinder pump to a two cylinder pump is required OR from a bottom mount pump to top mount pump.

- a. Please refer to TSB110064 (New Two-Cylinder High-Pressure Fuel Pump Assembly) if replacing a three-cylinder two-piston pump with a two-cylinder pump.
- b. New fuel lines are required if replacing a fuel pump gear pump with bottom mount fuel lines. Please refer to TSB130044 (New Fuel Pump Gear Pump with Revised Fuel Line Locations).

NOTE: Additional parts, such as gaskets and fasteners, that are required to complete the repair but not listed, may be claimed if sufficiently explained in the claim narrative.

NOTE: If individual parts from inventory are used to reduce customer down time when a kit is not in stock, file the claim with the equivalent kit part number.

The following parts are covered under this field action:

| Part Number | Quantity | Description |
|-------------|----------|--------------------|
| 309380700 | 5 | SCR,CAP (OPTIONAL) |
| 309393200 | 4 | SCR,CAP (OPTIONAL) |
| 368561100 | 4 | CIP (OPTIONAL) |
| 368561200 | 2 | CIP (OPTIONAL) |
| 368675800 | 1 | GSK,PMP (OPTIONAL) |
| 368702500 | 1 | SPT,PMP (OPTIONAL) |
| 368703000 | 1 | TBE,TRF (OPTIONAL) |
| 368706500 | 1 | SPT,PMP (OPTIONAL) |
| 368707300 | 1 | SPT,PMP (OPTIONAL) |
| 368808900 | 1 | TBE,SUP (OPTIONAL) |
| 368811200 | 1 | TBE,SUP (OPTIONAL) |
| 368839800 | 1 | TBE,SUP (OPTIONAL) |
| 382032000 | 1 | PLN,VLV (OPTIONAL) |
| 390062900 | 6 | SCR,CAP (OPTIONAL) |
| 392472500 | 2 | SCR,CNR (OPTIONAL) |
| 396398800 | 4 | WSH,SNG (OPTIONAL) |
| 396399000 | 4 | WSH,SNG (OPTIONAL) |
| 396399100 | 4 | WSH,SNG (OPTIONAL) |

| | | |
|-------------|---|--------------------|
| 430752700PX | 1 | PMP,FUL (OPTIONAL) |
| 433097700 | 1 | TBE,DRN (OPTIONAL) |
| 495262900 | 1 | THM (OPTIONAL) |
| 495559200 | 1 | SET,GSK (OPTIONAL) |
| 495583100 | 1 | KIT,CLR (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.

Labor using applicable Access Code and Time:

| SRT Code | Description | Time (hrs) |
|----------|-------------------------------------------------------------------------------------------|------------|
| FC-030 | Troubleshoot - Active Fault Codes 559, 1676, 1898, 2215, 2219, 2772, 2773 3597 | |
| 00-90X | Administrative time | |
| 05-176 | Fuel Pump Head - Remove and Install (Common Rail Fuel System) | |
| 05-177 | Fuel Pump - Remove and Install (Common Rail Fuel System) | |
| 05-200 | Fuel Pump Head - Inspect (Common Rail Fuel System) | |
| 05-804 | Fuel Pump - Gear Pump Pressure and Fuel Filter Restriction Test (Common Rail Fuel System) | |
| 05-805 | High-Pressure Injector Return Flow Test | |
| 05-806 | High-Pressure Fuel Pump Return Flow Test | |
| 05-807 | High-Pressure Fuel Rail Return Flow Test | |
| 06-443 | Air in Fuel- Check | |
| 07-065 | Lubricating Oil Cooler Element - Remove and Install - (Single Element) | |
| 07-102 | Lubricating Oil Filter Bypass Valve - Remove and Install | |
| 07-127 | Lubricating Oil Thermostat - Remove and Install | |
| 07-401 | Lubricating Oil Cooler Assembly - Clean and Test for Reuse | |
| 07-553 | Lubricating Oil Cooler Assembly - Remove and Install - (CM871/CM2250/CM2350) | |
| 07-801 | Lubricating Oil and Filter(s) - Change | |
| 11-039 | Aftertreatment Stationary Regeneration | |

Travel

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

NOTE: Travel is only covered for QSX15 Industrial engines.

Other Claimables

Consumables are covered under this field action.

NOTE: This TRP will allow up to \$300 for new oil. This TRP will allow up to \$100 for new oil filters.

Claim Instructions

For Cummins Dealers, contact **RAPIDServe™** for pre-authorization and claim filing. If there are additional questions, please contact your local Cummins Distributor.

| Claim Codes | |
|---------------|-------------------|
| Description | Code |
| Account Code: | 65 |
| Pay Code: | Distributor = X |
| Pay Code: | Dealer = D |
| Pay Code: | International = I |
| Failure Code: | WFHASX |

Attachments

[Click here to see t1465-a_esn-list.xls](#)

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