



SB-10056047-6033

TRP Number	Revision Level	Date	Group Number
T1465	A	21-MAR-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

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

This is to revise and replace TRP 1465, dated 17-Feb-2014. This revision is to:

1. Add narrative for clarification, and
2. Add all parts as OPTIONAL, and
3. Clarify that pre-authorization is required for Dealers prior to initiating any repairs associated with the actions in this document.

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.

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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