



**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

Not sequential VINs

Vehicle : 2010-2014 Ram 5500

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : DIESEL

Descriptive Information : Fuel heater leak

Production Dates : MAR 27, 2009 - SEP 05, 2013

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**Description of Defect :**

Description of the Defect : Some Ram Trucks equipped with the Cummins diesel engine may experience an inoperative fuel heater with potential to leak fuel that may lead to smoke or fire.

Description of the Safety Risk : Fire

Description of the Cause : Engineering analysis determined that electrical fretting corrosion of tin plated terminals was the cause of overheating.

Identification of Any Warning that can Occur : Odor of diesel fuel

**Supplier Identification :**

**Component Manufacturer**

Name : Cummins Inc.

Address : Mail Code 28124

P.O. Box 3005 Columbus FOREIGN STATES 47201

Country : NR

**Chronology :**

- In April 2013, two Cummins engine mounted fuel filter assemblies were found to be leaking fuel at the fuel heater connector on 2013MY development vehicles. Inspection of these vehicles found the female terminals in the engine wire harness connector to the fuel heater were deformed and overheated, possibly leading to the failure of an O-ring that seals the male terminals to the fuel heater assembly. On further inspection, the Cummins pre-production engine wiring in these two vehicles were found to be missing a zip tie that minimizes wiring movement by holding the fuel heater wiring to the oil dipstick tube.
- In June 2014, Cummins reported finding fuel filter assemblies returned from service with melted connector cavities due to terminal overheating. A warranty narrative study identified approximately 200 cases of fuel leaks at the heater connector or wiring.
- Engineering analysis determined that electrical fretting corrosion of tin plated terminals was the cause of overheating.
- As of September, 2014, Chrysler identified 0 CAIRs, 0 VOQs and 7 field reports related to this issue.
- As of September 2014, there are 233 warranty claim narratives related to this issue.
- As of September 2014, Chrysler is unaware of any accidents or injuries potentially related to this issue.
- On September 30, 2014, Chrysler determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall.

**Description of Remedy :**

Description of Remedy Program : Chrysler will conduct a voluntary safety recall to replace the harness side connector with silver plated beryllium copper terminal service kit, and inspect the fuel heater housing for leaks and replace as necessary on all affected vehicles.

Chrysler has a longstanding policy and practice of reimbursing owners who have incurred the cost of repairing a problem that subsequently becomes the subject of a field action. To ensure consistency, Chrysler, as part of the owner letter, will request that customers send the original receipt and/or other adequate proof of payment to the company for confirmation of the expense.

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How Remedy Component Differs from Recalled Component : The female terminals will be silver plated on the recall parts

Identify How/When Recall Condition was Corrected in Production : The fuel heater connector on the harness side connector terminals changed from a tin plated copper alloy to silver plated beryllium copper for further robustness. This change was implemented in September, 2013.

**Recall Schedule :**

Description of Recall Schedule : FCA US LLC notified dealers on April 17, 2015. The owner notification mailing began on April 27, 2015 and finished on April 29, 2015.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported