

**Part 573 Safety Recall Report****14V-643****Manufacturer Name :** Chrysler (FCA US LLC)**Submission Date :** FEB 23, 2016**NHTSA Recall No. :** 14V-643**Manufacturer Recall No. :** P67**Manufacturer Information :**

Manufacturer Name : Chrysler (FCA US LLC)

Address : 800 Chrysler Drive

CIMS 482-00-91 Auburn Hills MI 48326-2757

Company phone : 1-800-853-1403

**Population :**

Number of potentially involved : 126,532

Estimated percentage with defect : 5

**Vehicle Information :**

Vehicle : 2014-2014 Jeep Grand Cherokee

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 2014 M/Y Jeep Grand Cherokee Occupant Restraint Control Module - Production Dates 10/30/2012-04/30-2014, error with date entry. Approved with Joshua Neff to input dates in comment section.

Production Dates : OCT 22, 2014 - OCT 09, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs

Vehicle : 2014-2014 Dodge Durango

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 2014 M/Y Dodge Durango Occupant Restraint Control Module

Production Dates : JUN 02, 2013 - JUN 28, 2014

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : Some 2014 MY Jeep Grand Cherokee ("WK") and Dodge Durango ("WD") vehicles may develop an Occupant Restraint Control ("ORC") module internal fault causing the airbag warning lamp to illuminate and potentially disable the passive restraint system (frontal airbags, seatbelt pretensioners, and side airbags).

FMVSS 1 :NR

FMVSS 2 :NR

Description of the Safety Risk : In certain crash situations this condition, where the passive restraint systems could potentially be disabled, may result in an increased risk of injury to the occupants.

Description of the Cause : Excess thickness of the conformal coating can result in uncured product next to the Printed Circuit Board ("PCB"), which allows lead salts to form and cause resistive shorts across the PCB. Humidity exacerbates the creation of lead salts.

Identification of Any Warning that can Occur : An ORC internal fault will cause the Airbag Warning Lamp ("ABWL") to illuminate.

#### **Supplier Identification :**

##### **Component Manufacturer**

Name : Robert Bosch LLC

Address : 15000 Haggerty Road

Plymouth MICHIGAN 48170

Country : United States

#### **Chronology :**

- In June 2014, Regulatory Affairs became aware of an increase in 2014 MY WK ORC module warranty claims associated with an ABWL.
- The supplier (Bosch) informed Chrysler that its investigation determined the majority of internal faults exhibited an Internal 1 Diagnostic Trouble Code B2207, while a small number exhibited a loss of communication.
- Warranty analysis showed that the increased rate of ORC replacements, for internal defects, occurred between the start of the 2014 MY WK production in January 2013 and July 2013.
- Chrysler was informed that Bosch's investigation, which included a similar issue in a similar component from another Original Equipment Manufacturer ("OEM"), found an uncured conformal coating condition present on the PCB of modules experiencing similar issues.
- Based on Bosch's investigation with the other OEM, and Bosch's establishment of a new best practice for selective spraying of conformal coating, Bosch modified the selective coating process parameters for the 2014 WK / WD ORC modules on August 27, 2013.
- Chrysler warranty data confirms the effectiveness of Bosch's August 27, 2013 process improvement as the end of the suspect period. Additionally, no module manufactured by Bosch after the August 27, 2013 has been returned due to this cause.
- In late September 2014, Bosch informed Chrysler that the other OEM was experiencing a second wave of seasonal failures. The other OEM has suspect vehicles in the field for a longer duration than Chrysler.
- As of September 5, Chrysler is aware of 15 VOQs and 2,558 warranty claims which relate to, or may relate to this issue.
- As of September 24, Chrysler is not aware of any accidents or injuries potentially related to this issue.
- On October 7, 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 on all affected vehicles to replace the ORC.

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.

How Remedy Component Differs from Recalled Component : On August 27, 2013, Bosch implemented changes to their selective conformal coating process. The changes resulted in the thickness of the conformal coating to be no greater than 100 micrometers, ensuring a complete cure in the Bosch oven.

Identify How/When Recall Condition was Corrected in Production : On August 27, 2013, Bosch implemented their new best practice for selective spraying of conformal coating as a result of their previous investigation with another OEM.

**Recall Schedule :**

Description of Recall Schedule : 10/15/15: Dealer notification final letter 4/20/15. Owner final notification started/finished 4/27/15. Interim notifications were sent to Dealers 12/1/2014 and interim Owner notifications were started/finished 12/8/2014.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported