

Part 573 Safety Recall Report

17V-435

Manufacturer Name : Chrysler (FCA US LLC)**Submission Date :** NOV 21, 2017**NHTSA Recall No. :** 17V-435**Manufacturer Recall No. :** T36**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 : 442,214

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2011-2014 Dodge Challenger

Vehicle Type :

Body Style : 2-DOOR

Power Train : NR

Descriptive Information : Some 2011-2014 MY Dodge Challenger ("LC") vehicles equipped with electro-hydraulic power steering ("EHPS"), a 5.7 L engine and a 160 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : OCT 21, 2010 - JUL 07, 2014

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 2 : 2011-2014 Dodge Charger

Vehicle Type :

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Some 2011-2014 MY Dodge Charger ("LD") vehicles equipped with EHPS, a 5.7 L engine and a 160 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : OCT 19, 2010 - JUL 07, 2014

VIN Range 1 : Begin : NR End : NR

 Not sequential

Vehicle 3 : 2011-2014 Dodge Charger

Vehicle Type :

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Some 2011-2014 MY Dodge Charger ("LD") vehicles equipped with EHPS, a 3.6 L engine and a 180 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : OCT 19, 2010 - JUN 10, 2013

VIN Range 1 : Begin : NR **End :** NR Not sequential

Vehicle 4 : 2011-2014 Chrysler 300

Vehicle Type :

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Some 2011-2014 MY Chrysler 300 ("LX") vehicles equipped with EHPS, a 3.6 L engine, and a 180 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : NOV 30, 2010 - JUN 10, 2013

VIN Range 1 : Begin : NR **End :** NR Not sequential

Vehicle 5 : 2011-2014 Chrysler 300

Vehicle Type :

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Some 2011-2014 MY Chrysler 300 ("LX") vehicles equipped with EHPS, a 5.7 L engine, and a 180 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : NOV 30, 2010 - JUN 01, 2013

VIN Range 1 : Begin : NR **End :** NR Not sequential

Vehicle 6 : 2011-2014 Dodge Charger

Vehicle Type :

Body Style : 4-DOOR

Power Train : NR

Descriptive Information : Some 2011-2014 MY Dodge Charger ("LD") vehicles equipped with EHPS, a 5.7 L engine and a 180 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : OCT 19, 2010 - JUN 01, 2013

VIN Range 1 : Begin : NR **End :** NR Not sequential

Vehicle 7 : 2011-2014 Dodge Durango

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2011-2014 MY Dodge Durango (“WD”) vehicles equipped with EHPS, a 3.6 L engine and a 180 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : AUG 23, 2010 - JUN 10, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 8 : 2011-2014 Dodge Durango

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2011-2014 MY Dodge Durango (“WD”) vehicles equipped with EHPS, a 3.6 L engine and a 220 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : AUG 23, 2010 - JUN 26, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 9 : 2012-2014 Jeep Grand Cherokee

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2012-2014 MY Jeep Grand Cherokee (“WK”) vehicles equipped with EHPS, a 3.6 L engine and a 180 Amp alternator. The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : APR 27, 2011 - JUN 10, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 10 : 2012-2014 Jeep Grand Cherokee

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2012-2014 MY Jeep Grand Cherokee (“WK”) vehicles equipped with EHPS, a 3.6 L engine and a 220 Amp alternator.
The recall vehicle population includes all vehicles manufactured during the identified model year time period with EHPS. Similar vehicles not affected by this recall do not have EHPS.

Production Dates : APR 27, 2011 - JUN 26, 2013

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : Some 2011-2014 MY Dodge Challenger, Dodge Charger, Chrysler 300, Dodge Durango and 2012-2014 MY Jeep Grand Cherokee vehicles equipped with EHPS may experience an alternator diode thermal fatigue failure due to cyclical loads induced by EHPS. This failure could occur with little to no warning. When the diodes fail, the alternator will no longer supply electrical energy to the vehicle and may lead to a vehicle stall without warning. Failed diodes may also develop a resistive short circuit that can result in heat, smoke and/or fire originating within the alternator.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Alternator diode thermal fatigue failure could result in a rapid failure of the alternator with little or no warning; in some instances, a warning light may appear immediately prior to failure. Depending on the failure mode and timing, system voltage may drop to critical levels, disabling systems such as the Antilock Brake System/Electronic Stability Control, Engine Control Module/Central Body Controller or result in a loss of vehicle power. If diodes fail through thermal fatigue, they may also develop a resistive short to ground that can result in heat, smoke and/or fire originating within the alternator. A loss of motive power can cause a vehicle crash without prior warning.

Description of the Cause : NR

Identification of Any Warning that can Occur : In some cases, the battery saver mode light may illuminate on the Electronic Vehicle Information Center.

Supplier Identification :**Component Manufacturer**

Name : DENSO International America, Inc.

Address : 24777 Denso Drive

Southfield MICHIGAN 48033

Country : United States

Chronology :

Please see the attached supplemental information titled "FCA US LLC Chronology - 160-180-220A Alternators - 07102017.pdf".

Description of Remedy :

Description of Remedy Program : FCA US LLC ("FCA US") will conduct a Voluntary Safety Recall to inspect the DENSO part number on the alternator and replace the alternator if necessary.

FCA US 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, FCA US, 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 : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : ** 11/21/2017: FCA US will notify dealers with dealer instructions on or about 02/08/2018 and begin final notification to owners on or about 02/12/2018.

** 07/10/2017: FCA US will notify dealers and begin notifying owners on or about 8/24/2017.

Planned Dealer Notification Date : AUG 24, 2017 - AUG 24, 2017

Planned Owner Notification Date : AUG 24, 2017 - AUG 24, 2017

* NR - Not Reported