

**Part 573 Safety Recall Report****15V-291****Manufacturer Name :** Chrysler (FCA US LLC)**Submission Date :** MAY 12,2015**NHTSA Recall No. :** 15V-291**Manufacturer Recall No. :** R20**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 : 3,851  
 Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2013-2015 Fiat 500  
 Vehicle Type :  
 Body Style : 2-DOOR  
 Power Train : NR  
 Descriptive Information : Certain Fiat 500 ("FF") Battery Electric Vehicles ("BEV").  
 Production Dates : MAR 08, 2013 - MAR 07, 2015

**VIN (Vehicle Identification Number) Range**

Begin : NR

End : NR

 Not sequential VINs**Description of Defect :**

Description of the Defect : Rapid operation of the cruise control speed adjustment switch or accelerator tip/in pedal applications while in cruise control may set a diagnostic trouble code in the Elective Vehicle Control Unit ("EVCU") that can result in a shift to neutral condition.

Description of the Safety Risk : A shift to neutral condition could cause a loss of motive power, increasing the risk of a crash in certain driving conditions.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

**Supplier Identification :****Component Manufacturer**

Name : FCA US LLC

Address : NR

NR

Country : NR

**Chronology :**

On April 2, 2015, the Vehicle Safety and Regulatory Compliance department of FCA US LLC ("FCA US") began investigating warranty reports of 2013-2015 MY FF vehicles self-shifting into neutral while driving resulting in this action.

Due to software updates, the internal vehicle speed monitor was incorrectly changed to "mph" from "kph" while the System Torque Monitoring Ring ("STMR") was not. This created a math error and a subsequent trouble fault code error state due to implausible torque readings. When Diagnostic Trouble Code ("DTC") P061B is set, the vehicle will go into failsafe and automatically shift into neutral. This issue is not detectable to the driver of the vehicle until the fault is set and the vehicle shifts into neutral. Once the fault code is set, a key cycle is required to resolve to shift the vehicle out of neutral.

On May 5, 2015, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall of the affected vehicles.

**Description of Remedy :**

Description of Remedy Program : FCA US LLC will conduct a voluntary safety recall on all affected vehicles to update the on-board EVCU software.

FCA US LLC 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 : Planned Dealer Notification: 6/27/2015

Planned Owner Notification Start / End Date: 7/4/2015 - 7/4/2015

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported