#### The information contained in this report was submitted pursuant to 49 CFR §573

# call Report 15V-179

## Part 573 Safety Recall Report

Manufacturer Name :Chrysler (FCA US LLC)Submission Date :MAY 04, 2016NHTSA Recall No. :15V-179Manufacturer Recall No. :R15

#### 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

### Vehicle Information :

Vehicle 1:	2013-2015 Fiat 500 EV		
Vehicle Type :	LIGHT VEHICLES		
Body Style :	2-DOOR		
Power Train :	HYBRID ELECTRIC		
Descriptive Information :	Some Fiat 500 BEV vehicles have incompatibility between the Electric Vehicle Control Unit (EVCU) software and the Battery Pack Control Module (BPCM) software that could cause a high voltage electrical system shut down.		
Production Dates :	MAR 27, 2012 - NOV 01, 2014		
VIN Range 1:	Begin : NR	End: NR	☐ Not sequential

#### **Description of Defect :**

Description of the Defect :	In the event that the BPCM places the battery in limp home mode, by design there should be no requests to accept regenerative current to the battery. As a result of the software incompatibility, the EVCU does not recognize the limp home mode status and erroneously directs regenerative current to the battery pack causing an electrical system shut down to occur.	
FMVSS 1 :	NR	
FMVSS 2 :	NR	
Description of the Safety Risk :	k : When this error occurs, the vehicle will conduct a general shut-down by opening the EV battery pack contactors causing a loss of motive power which may increase the risk of crash.	
	The high voltage battery provides energy to the traction motor. Safety, brake and steering systems are powered by the 12V battery on the vehicle and are unaffected. The system can be reset and perform normally after cycling the ignition key up to three times.	



Number of potentially involved : 5,660 Estimated percentage with defect : 100 %

**Population :** 

### Part 573 Safety Recall Report

the B Identification of Any Warning Depe	EVCU does not properly recognize Limp Home Mode status command by PCM. nding on software level, there may be no indication that the BPCM is in home mode (only a stored code) and therefore, no signal to the operator.
Supplier Identification :	
Component Manufacturer	
Name : NR	
Address : NR	
NR	
Country: NR	
charging system robustness, diagnos reasons for the software update, Lim improvement. It was because of this EVCU did not recognize the Limp Ho On May 15, 2014, a Technical Service	nd BPCM software went into production to implement improvements in stic capability and range estimation over life. In addition to the primary up Home Mode was included as part of battery pack software continuous a software update that the software incompatibility occurred where the me Mode. e Bulletin was launched to update vehicles built prior to March 13, 2014 n thereby introducing the communication incompatibility issue to that
Description of Remedy :	
Description of Remedy Program :	The software update recall remedy will be performed free of charge to owners.
<b>v</b>	The EVCU software calibration level was updated to reflect the new logic. All changes have been validated to perform as intended.
Identify How/When Recall Condition	On October 31, 2014, corrected software went into production.

was Corrected in Production :

The information contained in this report was submitted pursuant to 49 CFR §573

### Part 573 Safety Recall Report

#### **Recall Schedule :**

Description of Recall Schedule :	FCA US LLC notified dealers on May 21, 2015. The owner notification
	mailing began on May 21, 2015 and finished on May 21, 2015.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	NR - NR

\* NR - Not Reported

The information contained in this report was submitted pursuant to 49 CFR §573