

Part 573 Safety Recall Report

18E-053

Manufacturer Name : Chrysler (FCA US LLC)

Submission Date : MAR 12, 2019

NHTSA Recall No. : 18E-053

Manufacturer Recall No. : U82, U83



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 : 1,930

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : Mopar

Model : Stage 1 Kit Performance Package

Part No. : P5160023, P5160025

Size : 6" x 9"

Function : Engine Control

Descriptive Information : Some powertrain control modules ("PCMs") available for 2014-2016 model year Dodge Challenger, Dodge Charger, and Chrysler 300 vehicles with 5.7L engines may not allow the driver to cancel cruise control when the CAN-C bus is fully disabled.

The population was determined to be all Stage 1 Kit Performance Package PCMs built with a modified fault handling strategy that will not have their software updated as a part of routine installation. Similar Dodge Challenger, Dodge Charger, and Chrysler 300 PCMs are not included in the recall because they have a different fault handling strategy software or are updated as a part of the routine installation.

Production Dates : OCT 27, 2014 - JUN 29, 2018

Brand / Trade 2 : Mopar

Model : Demon Crate

Part No. : 68412287AA

Size : 6" x 9"

Function : Engine Control

Descriptive Information : Some powertrain control modules ("PCMs") available for 2018 model year Dodge Challenger SRT Demon vehicles may not allow the driver to cancel cruise control when the CAN-C bus is fully disabled.

The population was determined to be all Demon Crate PCMs built with a modified fault handling strategy that will not have their software updated as a part of the routine installation. Similar Dodge Challenger SRT Demon PCMs are not included in the recall because they have a different fault handling strategy software or are updated as a part of the routine installation.

Production Dates : OCT 20, 2017 - JUN 29, 2018

Description of Defect :

Description of the Defect : The fault handling strategy of the affected PCMs does not remove positive torque requests from the engine controller if the CAN-C bus stops communicating while the cruise control is requesting positive torque.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the extremely rare instance of a short in the vehicle causing the CAN-C bus to stop communicating while the cruise control is active and the vehicle speed is below the set speed such that the cruise control system is requesting positive torque at the exact moment of the electrical short, it is possible for a positive torque request to be locked on the PCM which may result in either the vehicle maintaining its current speed or possibly accelerating. If the driver does not shift to neutral or apply the brakes to stop the vehicle this condition can cause a vehicle crash without prior warning.

Description of the Cause : NR

Identification of Any Warning that can Occur : No warning will precede the CAN-C bus short. However, multiple warning lights on the instrument cluster will illuminate. If the vehicle continues to maintain speed or accelerates after these notifications the driver should shift to neutral and/or use the brakes to slow the vehicle and bring it to a stop.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On May 21, 2018, FCA US LLC ("FCA US") determined, through the Vehicle Regulations Committee, to conduct a voluntary safety recall on vehicles built with an engine control module ("ECM") or PCM containing software

that does not remove positive torque requests from the engine controller if the CAN-C bus stops communicating while the cruise control is requesting positive torque.
On June 28, 2018, the FCA US Vehicle Safety and Regulatory Compliance organization became aware of aftermarket engine controllers that were available for sale and contain the same software as the production PCMs that were the subject of a defect determination on May 21, 2018.
On July 05, 2018, FCA US determined, through the Vehicle Regulations Committee, to conduct a voluntary equipment safety recall of the affected parts.

Description of Remedy :

Description of Remedy Program : FCA US will conduct a Voluntary Equipment Safety Recall to replace the PCMs with one that contains updated software or perform a software flash to update the PCM software.

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 : Part Name: MODULE - ENGINE CONTROLLER
Part Description: MODULE - ENGINE CONTROLLER
Part Number: P5160023, P5160025, 68412287AA
Comment: These are the recalled part numbers. The remedy parts contain updated software.

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

Recall Schedule :

Description of Recall Schedule : **03/12/19: FCA US will notify dealers and begin notifying owners on or about 04/01/2019 that final remedy is available.

**07/12/18: FCA US will notify dealers and begin notifying owners on or about 08/31/2018.

Planned Dealer Notification Date : AUG 31, 2018 - AUG 31, 2018

Planned Owner Notification Date : AUG 31, 2018 - AUG 31, 2018

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR
Address : NR
NR
Country : NR
Company Phone : NR

* NR - Not Reported