Part 573 Safety Recall Report 19V-148

Manufacturer Name : Chrysler (FCA US LLC)
Submission Date : MAR 01, 2019
NHTSA Recall No. : 19V-148
Manufacturer Recall No. : V27

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 : 19,114
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2019 Alfa Romeo Stelvio
Vehicle Type :
Body Style : SUV
Power Train : NR
Descriptive Information : Some 2018-2019 MY Alfa Romeo Stelvio vehicles equipped with ACC, may not allow the driver to cancel ACC in very specific driving conditions.

The suspect period began at CAP when production began on March 20, 2017 through February 21, 2019 when CAP suspended production due to a scheduled plant shut down.

Similar 2018-2019 Stelvio vehicles not included in the recall do not have ACC.

Total number of Alfa Romeo Stelvios affected is 9,517.

Production Dates : MAR 20, 2017 - FEB 21, 2019
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 : 2017-2019 Alfa Romeo Giulia
Vehicle Type :
Body Style : 4-DOOR
Power Train : NR
Descriptive Information : Some 2017-2019 MY Alfa Romeo Giulia vehicles equipped with Adaptive Cruise Control (“ACC”), may not allow the driver to cancel ACC in very specific driving conditions.

The suspect period began at the Cassino Assembly Plant (“CAP”) when production began on September 7, 2016 through February 21, 2019, when CAP suspended production due to a scheduled plant shut down.

Similar 2017-2019 Giulia vehicles not included in the recall do not have ACC.

Total number of Alfa Romeo Giulias affected is 9,597.

Production Dates : SEP 07, 2016 - FEB 21, 2019

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

Description of Defect :

Description of the Defect :	The Brake System Module ("BSM") software does not remove positive torque requests from the engine controller in certain driving conditions where a specific wheel slip is detected by the traction control system while ACC is requesting positive torque.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	In certain circumstances while ACC is active and the traction control detects a specific wheel slip, it is possible for a positive torque request to be locked by the BSM which may result in unexpected acceleration. 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 :	NR

Supplier Identification :

Component Manufacturer

Name : Continental Automotive Italy S.p.A.

Address : Cso. Unione S. 612/20
Turin FOREIGN STATES 10135

Country : Italy

Chronology :

· December 11, 2018, Alfa Romeo's Vehicle Safety and Regulatory Compliance office received information about one internal company car that reported not being able to deactivate the ACC by pressing the brake.

· December 20, 2018, the vehicle was instrumented from Alfa Romeo's Diagnostic team in order to capture data/diagnostic trouble codes ("DTC") and record the conditions in which the incident can appear.

· From December 20, 2018 to January 14, 2019, tests were conducted on the vehicle.

· January 14, 2019, through testing, Engineering was able to reproduce the occurrence with a light snow condition and ACC set.

· January 14, 2019, the recovered data was sent to the supplier for analysis.

· January 21, 2019, the supplier instrumented a vehicle in Sweden for specific tests to duplicate the incident.

· January 24, 2019, Alfa Romeo Product Development began testing at Alfa Romeo's proving grounds in Balocco, Italy, with a dedicated team to reproduce the issue.

· February 7, 2019, under very specific conditions, both teams were able to reproduce the phenomena and began to investigate potential software issues.

· February 14, 2019, the supplier confirmed the root cause is in the brake system module software, due to improper software implementation.

· As of February 22, 2019, Alfa Romeo has identified zero CAIRs, two field reports, and zero VOQs related to this issue.

· As of February 22, 2019, Alfa Romeo has identified one warranty claim potentially related to this issue.

· As of February 22, 2019, Alfa Romeo is not aware of any accidents or injuries potentially related to this issue.

· On February 22, 2019, Alfa Romeo 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 (“FCA US”) will conduct a Voluntary Safety Recall, to update the BSM software of affected vehicles to eliminate positive torque request lock. 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: SW Flash Part Description: SW Flash Part Number: SW Flash

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

Recall Schedule :

Description of Recall Schedule :	**03/01/2019: FCA US will notify dealers and begin notifying owners on or about 04/20/2019.
Planned Dealer Notification Date :	APR 20, 2019 - APR 20, 2019
Planned Owner Notification Date :	APR 20, 2019 - APR 20, 2019

* NR - Not Reported