



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V586

Manufacturer Name: Chrysler (FCA US, LLC)

Submission Date: Oct 14, 2025

NHTSA Recall No.: 25V586

Manufacturer Recall No.: 93C

Manufacturer Information

Population

Manufacturer Name: Chrysler (FCA US, LLC)

Address: 800 Chrysler Drive
CIMS 482-00-91
Auburn Hills MI, 48326-
2757

Total number of potentially involved: 53,849

Estimated percentage with defect: 1.2%

Vehicle Information

Vehicle 1: 2017-2019 ALFA ROMEO GIULIA

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Sep 02, 2016 - Jun 26, 2019

Number of potentially involved: 29,467

Descriptive Information:

Some 2017-2019 MY Alfa Romeo Giulia vehicles may have been built with a fuel delivery module ("FDM") with internal components susceptible to heat, resulting in a loss of flow rate leading to a loss of motive power ("LOMP").

The suspect period began on September 2, 2016, when 2017 MY vehicle began production, and ended on June 26, 2019, when vehicles were no longer being shipped with defective parts. Plant production records were used to identify the suspect population.

There are no similar vehicles not included in this recall.

Vehicle 2: 2018-2019 ALFA ROMEO STELVIO

Product Category: Light Vehicles

Product Type:

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Apr 12, 2017 - Jun 26, 2019

Number of potentially involved: 24,382

Descriptive Information:

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Some 2018-2019 MY Alfa Romeo Stelvio vehicles may have been built with a FDM with internal components susceptible to heat, resulting in a loss of flow rate leading to a LOMP.

The suspect period began on April 12, 2017, when 2018 MY vehicle began production, and ended on June 26, 2019, when vehicles were no longer being shipped with defective parts. Plant production records were used to identify the suspect population.

There are no similar vehicles not included in this recall.

Defect / Noncompliance Description

Description of the defect or noncompliance:

A fuel pump assembly with a loss of flow rate may cause fuel starvation to the engine.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

Fuel starvation to the engine may result in an unexpected LOMP, which can cause a vehicle crash without prior warning.

Description of the cause:

Identification of any warning that can occur:

None prior to failure. Customers may notice a Malfunction Indicator Light ("MIL").

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Vitesco Technologies Germany GmbH

Address: Arminiusstr. 59
Dortmund Foreign States, 44149

Country: Germany

Involved Components

Component Name 1: Fuel Delivery Module

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Component Description: Fuel Delivery Module

Component Part Number: 68348890AA, 68348995AA, 68408467AA, 68408468AA, 68356890AA, 68357058AA, 68411153AA, 68411154AA

Chronology

- On August 25, 2023, FCA US LLC ("FCA US") received a Pre-Investigation Request from NHTSA regarding 2017-2018 Alfa Romeo Giulia vehicles for low pressure fuel pump assembly failure leading to engine stalls and/or LOMP.
- On September 29, 2023, FCA US submitted its response to NHTSA regarding the Pre-Investigation Request.
- On January 8, 2024, NHTSA opened a Preliminary Evaluation, PE24-003 into 2017-2018 Alfa Romeo Giulia vehicles for low pressure fuel pump assembly failure leading to engine stalls and/or LOMP.
- On February 16, 2024, FCA US received the Information Request ID PE24-003 to investigate allegations of the low-pressure fuel pump assembly failure leading to engine stalls and/or LOMP in certain model year ("MY") 2017-2018 Alfa Romeo Giulia vehicles equipped with four cylinder 2.0L and six cylinder 2.9L turbocharged engines.
- On April 8, 2024, FCA US submitted all requested information to NHTSA regarding PE24-003.
- On April 15, 2024, Stellantis Europe Customer Experience ("CX") opened an investigation into 2017-2018 MY Alfa Romeo Giulia vehicles for low pressure fuel pump failure which may lead to an engine stall and/or LOMP.
- From April 2024, through June 2024, Stellantis Europe CX and engineering reviewed warranty claims, field reports, and customer assistance records to understand potential customer consequence.
- On July 10, 2024, NHTSA sent FCA US a request for additional information to PE24-003.
- On July 30, 2024, FCA US provided this additional information to PE24-003.
- From July 2024 through September 2024, FCA engineering collected failed FDMs from the field for analysis to understand the potential consequence.
- From October 2024 through December 2024, FCA engineering and supplier quality conducted component level testing with the supplier to identify potential failure modes leading to the issue and where those failure modes might exist.
- From January 2025 through April 2025, FCA engineering, supplier quality, and the supplier worked to identify and replicate the issue on a bench level test.
- From May 2025 through July 2025, FCA engineering, supplier quality, and the supplier were able to duplicate the issue in a vehicle system and correlate those results with the bench test results.
- As of August 29, 2025, Stellantis Europe S.p.A has identified 437 customer complaints and field reports in North America potentially related to this issue.
- As of August 29, 2025, Stellantis Europe S.p.A is aware of 5 crashes, 3 injuries, and 0 fires potentially related to this issue for all markets.

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- On September 2, 2025, Stellantis Europe S.p.A determined, through the Vehicle Regulations Committee, that a safety defect exists in certain vehicles.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace

Consumer Advisories: Do Not Drive Park Outside

Description of remedy program:

FCA US will conduct a voluntary safety recall on all affected vehicles to replace the FDM, which includes a new updated Pump Electronic Module ("PEM").

How remedy component differs from recalled component:

Remedy component is a FDM with improved design and tolerances, and an updated PEM.

Identify how/when recall condition was corrected in production:

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

**09/09/2025: FCA US will notify dealers on or about 09/16/2025 and begin notifying owners on or about 10/29/2025.

Planned Dealer Notification Date: Sep 16, 2025 - Sep 16, 2025 No Dealers

Planned Interim Owner Notification Date: Oct 29, 2025 - Oct 30, 2025 No Owners

Planned Remedy Owner Notification Date: Phased Recall

Date when VIN will be searchable: Sep 16, 2025