

Part 573 Safety Recall Report

20V-699

Manufacturer Name : Chrysler (FCA US LLC)**Submission Date :** NOV 12, 2020**NHTSA Recall No. :** 20V-699**Manufacturer Recall No. :** W79**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 : 28,884

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2014-2019 Jeep Grand Cherokee

Vehicle Type :

Body Style : SUV

Power Train : NR

Descriptive Information : Some 2014-2019 MY Jeep Grand Cherokee vehicles equipped with the 3.0L EcoDiesel engine, may have been built with Exhaust Gas Recirculation ("EGR") coolers that are susceptible to thermal fatigue. Thermal fatigue may cause the cooler to crack internally over time.

The suspect period began on December 19, 2012, when Jeep Grand Cherokee 3.0L EcoDiesel production with the suspect EGR coolers started, and concluded on January 17, 2019, when production of Jeep Grand Cherokee 3.0L EcoDiesel vehicles built with suspect EGR coolers ended. Engine assembly plant records were used to identify which vehicles received suspect EGR coolers.

Similar vehicles not included in this recall are not equipped with a 3.0L EcoDiesel engine.

Production Dates : DEC 19, 2012 - JAN 17, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Description of Defect :

Description of the Defect : Thermal fatigue may cause the EGR cooler to crack internally over time. An EGR cooler with an internal crack will introduce pre-heated, vaporized coolant to the EGR system while the engine is running. In certain circumstances, this mixture interacts with other hydrocarbons and air in the system, potentially resulting in combustion within the intake manifold, which may lead to a vehicle fire.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A vehicle fire may increase the risk of injury to occupants and persons outside of the vehicle, as well as property damage.

Description of the Cause : NR

Identification of Any Warning that can Occur : The driver may notice unidentifiable loss of coolant, lack of heater function, and potentially a Malfunction Indicator Lamp.

Involved Components :

Component Name 1 : EGR Cooler Kit

Component Description : EGR cooler, bypass, EGR temp sensor, valve, vacuum actuator assembly

Component Part Number : 68445601AA, 68239570AA, 68239570AB, 68239570AC

Supplier Identification :**Component Manufacturer**

Name : Modine Europe GmbH

Address : Arthur-B, -Modine-Strasse 1

Filderstadt FOREIGN STATES 70794

Country : Germany

Chronology :

- On September 9, 2020, FCA US LLC ("FCA US") Vehicle Safety and Regulatory Compliance ("VSRC") organization opened an investigation as a result of detecting a trend in engine compartment fires originated from the intake manifold in certain Jeep Grand Cherokee 3.0L EcoDiesel vehicles.
- On September 10, 2020, FCA US VSRC reviewed all fires reported to the company and determined that a number of Jeep Grand Cherokee 3.0L EcoDiesel vehicles had fires originating from the intake manifold.
- On September 11, 2020, FCA US VSRC received a report from FCA Canada of a Jeep Grand Cherokee 3.0L EcoDiesel vehicle which experienced a fire originating from the intake manifold. The EGR cooler was pressure tested and a leak was found in the step tube of the EGR cooler.
- Beginning September 12, 2020, and continuing through October 8, 2020, FCA US VSRC met with diesel engineers and determined the fires were a result of a leak in the EGR cooler which allowed coolant to be introduced into the intake manifold, confirming the EGR leak was directly associated with the trend of vehicle fires.
- As of October 26, 2020, FCA US VSRC has identified 119 customer assistance records, 6 field reports, and 1,478 warranty claims potentially related to this issue.
- As of October 26, 2020, FCA US VSRC is unaware of any accidents or injuries related to this issue.
- On November 05, 2020, 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 will conduct a voluntary safety recall on all affected vehicles to replace the EGR coolers with a new EGR cooler that is not susceptible to thermal fatigue. In the event the intake manifold is damaged, the intake manifold will be replaced.

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 : The suspect EGR cooler will be replaced with a more robust EGR cooler that is not susceptible to thermal fatigue.

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

Recall Schedule :

Description of Recall Schedule : **11/12/2020: FCA US will notify dealers and begin notifying owners on or about 12/31/2020.

Planned Dealer Notification Date : DEC 31, 2020 - DEC 31, 2020

Planned Owner Notification Date : DEC 31, 2020 - DEC 31, 2020

* NR - Not Reported