Part 573 Safety Recall Report 21V-798

Manufacturer Name : Chrysler (FCA US, LLC)
Submission Date : OCT 28, 2021
NHTSA Recall No. : 21V-798
Manufacturer Recall No. : Y76

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 : 131,177
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2022 Ram 3500
Vehicle Type :
Body Style : PICKUP TRUCK
Power Train : NR
Descriptive Information : Some 2021-2022 MY Ram 3500 trucks equipped with the Cummins 6.7L Turbo Diesel engine can experience an engine compartment fire originating from the Solid State Intake Heater Grid Relay ("Relay").

The suspect period began on August 5, 2020, when production of Ram 3500 vehicles equipped with the Relay began, and ended on October 8, 2021, when FCA US LLC ("FCA US") no longer shipped vehicles with the Relay. The suspect period was determined using production and engineering change records.

Similar vehicles not included in the recall population are not equipped with the Relay, or were produced before or after the suspect period.

The total affected vehicles for this model is 39,324.

Production Dates : AUG 05, 2020 - OCT 08, 2021
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Vehicle 2 :	2021-2022 Ram 4500/5500 Cab Chassis
Vehicle Type :	
Body Style :	OTHER
Power Train :	NR
Descriptive Information :	Some 2021-2022 MY Ram 4500/5500 Cab Chassis vehicles equipped with the Cummins 6.7L Turbo Diesel engine can experience an engine compartment fire originating from the Solid State Intake Heater Grid Relay ("Relay"). The suspect period began on November 13, 2020, when production of Ram 4500/5500 vehicles equipped with the Relay began, and ended on October 8, 2021, when FCA US no longer shipped vehicles with the Relay. The suspect period was determined using production and engineering change records. Similar vehicles not included in the recall population are not equipped with the Relay, or were produced before or after the suspect period. The total affected vehicles for this model is 16,939.
Production Dates :	NOV 13, 2020 - OCT 08, 2021
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 3 :	2021-2022 Ram 3500 Cab Chassis
Vehicle Type :	
Body Style :	OTHER
Power Train :	NR
Descriptive Information :	Some 2021-2022 MY Ram 3500 Cab Chassis vehicles equipped with the Cummins 6.7L Turbo Diesel engine can experience an engine compartment fire originating from the Solid State Intake Heater Grid Relay ("Relay"). The suspect period began on August 12, 2020, when production of Ram 3500 Cab Chassis vehicles equipped with the Relay began, and ended on October 7, 2021, when FCA US no longer shipped vehicles with the Relay. The suspect period was determined using production and engineering change records. Similar vehicles not included in the recall population are not equipped with the Relay, or were produced before or after the suspect period. The total affected vehicles for this model is 7,317.
Production Dates :	AUG 12, 2020 - OCT 07, 2021
VIN Range 1 :	Begin : NR End : NR ☐ Not sequential

Vehicle 4 :	2021-2022 Ram 2500
Vehicle Type :	
Body Style :	PICKUP TRUCK
Power Train :	NR
Descriptive Information :	Some 2021-2022 MY Ram 2500 trucks equipped with the Cummins 6.7L Turbo Diesel engine can experience an engine compartment fire originating from the Solid State Intake Heater Grid Relay ("Relay"). The suspect period began on August 3, 2020, when production of Ram 2500 vehicles equipped with the Relay began, and ended on October 8, 2021, when FCA US no longer shipped vehicles with the Relay. The suspect period was determined using production and engineering change records. Similar vehicles not included in the recall population are not equipped with the Relay, or were produced before or after the suspect period. The total affected vehicles for this model is 67,597.
Production Dates :	AUG 03, 2020 - OCT 08, 2021

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

Description of Defect :

Description of the Defect :	An electrical short in the Relay can potentially lead to a vehicle fire with the ignition on or off.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	A vehicle fire can result in increased risk of occupant injury and/or injury to persons outside the vehicle, as well as property damage.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	None

Involved Components :

Component Name 1 :	Relay
Component Description :	Solid state intake heater grid relay
Component Part Number :	68444169AA

Supplier Identification :

Component Manufacturer

Name : Eberspaecher Controls
Address : MAX-PLANCK-STR. 3
Landau Foreign States 76829
Country : Germany

Chronology :

• On February 17, 2021, FCA US Vehicle Safety and Regulatory Compliance ("VSRC") opened an investigation into 2021 MY Ram 2500, 3500, and 4500/5500 trucks as a result of a detected trend of engine compartment fires.

• During February 2021, FCA US VSRC conducted analysis of fire patterns, witness statements, and vehicle history and determined all of the affected vehicles were equipped with the Solid State Intake Heater Grid Relay, and determined it was the origin of the fires.

• On March 4, 2021, the FCA US Vehicle Regulations Committee (VRC) determined to conduct a voluntary safety recall on vehicles equipped with an unprotected Relay.

• On May 17, 2021, FCA US became aware of a vehicle fire in a vehicle with a protected Relay.

• From March 2021, to October 2021, FCA US and the Relay supplier continued to conduct root cause analysis and examined photographic evidence, witness statements, and vehicle history data.

• From May 2021, through September 2021, FCA US became aware of seven additional fires in vehicles with a protected Relay.

• As of October 8, 2021, FCA US identified seven customer assistance records, one warranty claim, and seven field reports potentially related to this issue for all markets with dates of receipt ranging from August 5, 2020 to October 8, 2021.

• As of October 8, 2021, FCA US is aware of zero accidents and zero injuries potentially related to this issue for all markets.

• On October 08, 2021, 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 inspect and, if needed, replace the Solid State Intake Heater Grid Relay ("Relay"); if FCA US Recall ID Y08 (NHTSA Recall ID 21V-163) is open, then insulating material will be applied to the Relay after inspection. Customers are advised to not park these vehicles inside of buildings or structures, or near other vehicles until the vehicle has the final repair completed. 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 remedy component has insulating material applied.
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

Description of Recall Schedule :	**10/14/2021: FCA US will notify dealers and begin notifying owners on or about 12/03/2021.
Planned Dealer Notification Date :	DEC 03, 2021 - DEC 03, 2021
Planned Owner Notification Date :	DEC 03, 2021 - DEC 03, 2021

* NR - Not Reported