

# Part 573 Safety Recall Report

## 24E-080

**Manufacturer Name :** Chrysler (FCA US, LLC)

**Submission Date :** SEP 27, 2024

**NHTSA Recall No. :** 24E-080

**Manufacturer Recall No. :** 96B



### 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 :** 1,064

**Estimated percentage with defect :** 1 %

### Equipment Information :

**Brand / Trade 1 :** MOPAR

**Model :** SVCE KIT

**Part No. :** 68488244AA

**Size :** NR

**Function :** NR

**Descriptive Information :** Some high voltage ("HV") batteries may have been built with cells which are susceptible to separator damage.

The suspect part population includes HV batteries built September 7, 2020, through March 31, 2023, and was determined using supplier manufacturing records.

Similar HV batteries not included in this recall were manufactured after the suspect period.

The total affected parts for this part number is 1,060.

**Production Dates :** SEP 07, 2020 - MAR 31, 2023

Brand / Trade 2 : MOPAR

Model : SVCE KIT

Part No. : 68540591AA

Size : NR

Function : NR

Descriptive Information : Some high voltage ("HV") batteries may have been built with cells which are susceptible to separator damage.

The suspect part population includes HV batteries built June 15, 2021, through March 31, 2023, and was determined using supplier manufacturing records.

Similar HV batteries not included in this recall were manufactured after the suspect period.

The total affected parts for this part number is 4.

Production Dates : JUN 15, 2021 - MAR 31, 2023

### Description of Defect :

Description of the Defect : In rare circumstances, a battery pack may contain cells with separator damage. Separator damage, combined with other complex interactions within the cells, may lead to a vehicle fire.

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. Vehicle risk is reduced when the battery charge level is depleted. Accordingly, owners are advised to refrain from recharging. Out of an abundance of caution, FCA US is also advising owners of these vehicles to park away from structures or other vehicles until the remedy is obtained.

Description of the Cause : NR

Identification of Any Warning that can Occur : None

### Involved Components :

Component Name : Hybrid Service Kit

Component Description : Battery Pack, 400V

Component Part Number : 68488244AA / 68540591AA

### Supplier Identification :

#### Component Manufacturer

Name : Samsung SDI America INC

Address : 4121 N Atlantic Blvd  
Auburn Hills Michigan 48326

Country : United States

### Chronology :

- On June 25, 2024, the FCA US LLC ("FCA US") Technical Safety and Regulatory Compliance ("TSRC") organization opened an investigation after receiving two reports of fires originating from the high voltage ("HV") battery in Jeep Wrangler plug-in hybrid electric vehicles ("PHEVs") outside the scope of FCA US Recall ID B9A (NHTSA ID 23V-787) ("B9A").
- From April 2024 through July 2024, FCA US received additional reports of fires originating from the HV battery in certain Jeep Wrangler PHEVs and certain Jeep Grand Cherokee PHEVs. FCA US has conducted further analysis of the battery packs from some of these vehicles with Samsung SDI in an effort to determine root cause.
- From June 2024 to July 2024, FCA US received three reports of fires originating in the HV battery in Jeep Wrangler PHEVs which received the B9A remedy software. FCA US has determined the B9A remedy is ineffective at detecting certain abnormalities within the HV battery which may lead to a fire.
- In August of 2024, Samsung SDI communicated to FCA US that the most likely root cause of B9A is due to separator damage combined with other complex interactions within the cell. Root cause investigation continues.
- As of September 13, 2024, FCA US is aware of 13 customer assistance records, one warranty claim, and 13 field reports potentially relating to this issue for all markets with dates of receipt ranging from February 28, 2024, to September 10, 2024.
- As of September 13, 2024, FCA US is aware of zero accidents and two injuries potentially related to this issue for all markets.
- On September 20, 2024, FCA US determined, through the Vehicle Regulations Committee, to conduct a

voluntary safety recall of the affected units.

Description of Remedy :

Description of Remedy Program : FCA US will conduct a voluntary safety recall on all affected equipment. Remedy will be to repurchase the HV battery pack if the part is not installed in a vehicle. For parts installed in a vehicle, the remedy is a software flash followed by a HV battery replacement, if needed.

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 : Remedy will be to repurchase the suspect battery packs. If installed, remedy is revised Battery Pack Control Module ("BPCM") software followed by a HV battery replacement, if needed.

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

Recall Schedule :

Description of Recall Schedule : \*\*09/27/2024: FCA US will notify dealers on or about 10/3/2024 and begin notifying owners on or about 10/17/2024.

Planned Dealer Notification Date : OCT 03, 2024 - OCT 03, 2024

Planned Owner Notification Date : OCT 17, 2024 - OCT 29, 2024

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