

# Part 573 Safety Recall Report

# 17V-114

**Manufacturer Name :** Mercedes-Benz USA, LLC.**Submission Date :** JAN 22, 2018**NHTSA Recall No. :** 17V-114**Manufacturer Recall No. :** 2017080002**Manufacturer Information :****Population :**

Manufacturer Name : Mercedes-Benz USA, LLC.

Number of potentially involved : 307,629

Address : 13470 International Parkway

Estimated percentage with defect : 100 %

Jacksonville FL 32218

Company phone : 1-877-496-3691

**Vehicle Information :**

Vehicle 1 : 2015-2015 Mercedes-Benz C 300 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 205.049 WF4K 100401 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 2 : 2016-2016 Mercedes-Benz C 350e

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : 205.047 WF4H 33 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 3 : 2017-2017 Mercedes-Benz C 300 4MATIC Cabrio

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 205.449 WK4K 1057 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 4 : 2017-2017 Mercedes-Benz C 300 4MATIC Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 205.349 WJ4K 4245 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 5 : 2017-2017 Mercedes-Benz C 300 Cabrio

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 205.448 WK4J 1195 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 6 : 2017-2017 Mercedes-Benz C 300 Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : 205.348 WJ4J 5031 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 7 : 2016-2016 Mercedes-Benz C 450 4MATIC AMG Sport

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 205.064 WF6E 7123 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 8 : 2015-2015 Mercedes-Benz CLA 250

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 117.344 SJ4E 6188 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 9 : 2015-2015 Mercedes-Benz CLA 250 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 117.346 SJ4G 3823 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 10 : 2015-2015 Mercedes-Benz CLA 45 AMG  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : 117.352 SJ5C 241 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 11 : 2017-2017 Mercedes-Benz E 300  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : 213.048 ZF4J 16700 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 12 : 2017-2017 Mercedes-Benz E 300 4MATIC  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : 213.049 ZF4K 15072 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 13 : 2017-2017 Mercedes-Benz E 400 4MATIC Wagon  
Vehicle Type : LIGHT VEHICLES  
Body Style : STATIONWAGON  
Power Train : GAS

Descriptive Information : 213.266 ZH6G 11 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 14 : 2017-2017 Mercedes-Benz E 43 AMG 4MATIC  
Vehicle Type : LIGHT VEHICLES  
Body Style : 4-DOOR  
Power Train : GAS

Descriptive Information : 213.064 ZF6E 243 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 15 : 2017-2017 Mercedes-Benz GLA 250

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 156.944 TG4E 5464 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 16 : 2017-2017 Mercedes-Benz GLA 250 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 156.946 TG4G 6181 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 17 : 2016-2016 Mercedes-Benz GLC 300

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : NR

Descriptive Information : 253.948 0G4J 25975 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 18 : 2016-2016 Mercedes-Benz GLC 300 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 253.949 0G4K 27305 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 19 : 2017-2017 Mercedes-Benz GLC 300 4MATIC Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 253.349 0J4K 1969 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

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

Vehicle 20 : 2015-2015 Mercedes-Benz C 300

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 205.048 WF4J 79371 Vehicles

Production Dates : FEB 01, 2014 - FEB 01, 2017

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Defect :

Description of the Defect : Daimler AG (DAG), the manufacturer of Mercedes-Benz vehicles, has decided that on certain CLA (117 platform), GLA (156 platform), C-Class (205 platform), E-Class (213 platform) and GLC (253 platform) vehicles, the starting current limiter could be overloaded under certain conditions during the starting procedure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event the starter is blocked due to engine/transmission damage (e.g. hydro locked engine), a very high electric current would flow through the starting current limiter during the subsequent start attempt. Should the driver attempt to start the engine repeatedly despite the engine not cranking, the very high electric current draw might lead to overheating of the starting current limiter. In a worst case, surrounding components might melt, and potentially ignite and lead to a fire.

Description of the Cause : The starting current limiter is designed for typical current draw and unable to handle very high current under unique circumstances when the engine/transmission is damaged to the point where it is unable to crank

Identification of Any Warning that can Occur : NR

## Supplier Identification :

### Component Manufacturer

Name : Gruner AG

Address : 15-17 Bürglestr

Wehingen FOREIGN STATES D-78564

Country : Germany

## Chronology :

In June 2016, DAG launched initial investigations based on individual field reports describing instances in which customers allegedly experienced cases of thermally damaged starting current limiters.

Parts of affected vehicles were requested for further analysis.

DAG determined in August 2016 that, in the analyzed cases, the starting current limiter was damaged due to electrical overload.

Throughout September and October 2016, possible root causes for the electric overload were investigated based on descriptions from field reports. Additionally, internal tests on test benches and in exemplar vehicles were conducted. It was determined that the blocking of the starter due to prior engine/transmission damage was an essential pre-condition for the observed defect on the starting current limiter.

In November and December 2016, the defect mechanism on the starting current limiter in the event of a blocked starter was analyzed. It was determined that multiple start attempts after the occurrence of a blocked starter might lead to the condition of an electrically overloaded starting current limiter.

In January 2017, the range of potentially affected vehicles was determined together with the supplier and the assembly plants.

In the beginning of February 2017, DAG determined that a potential safety risk cannot be ruled out.

## Description of Remedy :

Description of Remedy Program : As a precautionary measure an authorized Mercedes-Benz dealer will install an additional fuse in the electrical line to the starter. Pursuant to 49 C.F.R. § 577.11(e), MBUSA does not plan to provide notice about pre-notice reimbursement to owners since all involved vehicles remain covered under the vehicle's New Vehicle Limited Warranty

How Remedy Component Differs from Recalled Component : NR

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

## Recall Schedule :

Description of Recall Schedule : Owners will be notified with an interim letter in late March, and again when parts become available in July 2017, approximately one week after recall launch to the dealers. Dealers will be notified of the pending voluntary recall campaign in February 2017. A copy of all communications will be provided when available.

Planned Dealer Notification Date : FEB 22, 2017 - NR

Planned Owner Notification Date : APR 06, 2017 - NR

\* NR - Not Reported