

Part 573 Safety Recall Report

18V-539

Manufacturer Name : Mercedes-Benz USA, LLC.

Submission Date : AUG 30, 2018

NHTSA Recall No. : 18V-539

Manufacturer Recall No. : 2018080013



Manufacturer Information :

Manufacturer Name : Mercedes-Benz USA, LLC.

Address : 13470 International Parkway
Jacksonville FL 32218

Company phone : 1-877-496-3691

Population :

Number of potentially involved : 9,044

Estimated percentage with defect : 4 %

Vehicle Information :

Vehicle 1 : 2018-2018 Mercedes-Benz GLE350 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.057 DA5H 3283 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2018-2018 Mercedes-Benz GLE350

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.058 DA5J 1897 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2018-2018 Mercedes-Benz AMG GLE43 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.064 DA6E 231 vehicles

The recall population was determined through production records. Vehicles not

recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2018-2018 Mercedes-Benz AMG GLE63 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.074 DA7E 3 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2018-2018 Mercedes-Benz AMG GLE63S 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.075 DA7F 30 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 6 : 2018-2018 Mercedes-Benz GLS450 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.864 DF6E 2551 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 7 : 2018-2018 Mercedes-Benz GLS550 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.873 DF7D 465 vehicles

The recall population was determined through production records. Vehicles not

recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 8 : 2018-2018 Mercedes-Benz AMG GLS63 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 166.875 DF7F 147 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 9 : 2018-2018 Mercedes-Benz AMG GLE43 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 292.364 ED6E 338 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 10 : 2018-2018 Mercedes-Benz AMG GLE63S 4MATIC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 292.375 ED7F 99 vehicles

The recall population was determined through production records. Vehicles not recalled have rear brake calipers produced within manufacturing specifications.

Production Dates : APR 05, 2018 - JUN 26, 2018

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 determined that on certain GLE/GLS (166 platform) and GLE Coupe (292 platform) vehicles, the rear brake caliper piston coating was not applied according to manufacturer specifications which may cause gas to temporarily be trapped then released into the rear brake hydraulic circuit.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Gas released into the rear brake hydraulic circuit may lead to reduced braking performance and an elongated brake pedal travel. In driving situations where ESP brake actuation at the rear axle is required, the full effect of the ESP actuation might not be achieved. This might increase the risk of a crash.

Description of the Cause : Due to a supplier production issue, gas may be trapped in the brake piston material due to a deviation during the surface coating process.

Identification of Any Warning that can Occur : The customer may be made aware of the issue by elongated brake pedal travel.

Supplier Identification :**Component Manufacturer**

Name : ZF Group

Address : 12001 Tech Center Dr
Livonia MICHIGAN 48150

Country : United States

Chronology :

In June 2018, the supplier notified DAG about the issue of potentially incorrectly coated rear brake caliper pistons.

In July 2018, the issue was analyzed together with the supplier. It was determined that due to a production deviation, hydrogen gas might have been embedded in the brake caliper piston material during the electro-coating process, which might subsequently diffuse into the rear brake circuit hydraulic system. Further, the consequences of this diffusion to the brake and ESP performance were analyzed.

In parallel, the potentially affected vehicles were determined.

In August 2018, 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 bleed the rear axle brake system on the affected vehicles.

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 new vehicle warranty.

How Remedy Component Differs from Recalled Component : No component will be replaced; brake system bleed will be performed.

Identify How/When Recall Condition was Corrected in Production : A change in the production procedure of our supplier ensures that this issue can no longer occur from June 27, 2018 onwards.

Recall Schedule :

Description of Recall Schedule : Dealers were be notified of the voluntary recall campaign in August 2018. A copy of all communications will be provided when available.

Owners will be notified in mid September 2018, approximately two weeks after recall launch to the dealers

Planned Dealer Notification Date : AUG 28, 2018 - AUG 28, 2018

Planned Owner Notification Date : SEP 14, 2018 - SEP 14, 2018

* NR - Not Reported