Manufacturer Name :Mercedes-Benz USA, LLC.Submission Date :AUG 30, 2018NHTSA Recall No. :18V-539Manufacturer Recall No. :2018080013

### Manufacturer Information :

Manufacturer Name : Mercedes-Benz USA, LLC. Address : 13470 International Parkway Jacksonville FL 32218 Company phone : 1-877-496-3691

## Vehicle Information :

/ehicle Information :					
Vehicle 1:	2018-2018 Mei	rcedes-Benz G	LE350 4MAT	TC	
Vehicle Type :	LIGHT VEHICLI	ES			
Body Style :	SUV				
Power Train :	GAS				
Descriptive Information :	166.057 DA5H	3283 vehicles	5		
				ough production record d within manufacturing	
Production Dates :	APR 05, 2018 -	JUN 26, 2018			
VIN Range 1:	Begin :	NR	End: NR	2	Not sequential
Vahiela 2 ·	2018-2018 Mei	codos Bonz (	'I F250		
	LIGHT VEHICLI		ILE330		
Body Style :		ĽO			
Power Train :					
		007			
Descriptive Information :	166.058 DA5J 1	897 venicies			
				ough production record d within manufacturing	
Production Dates :	APR 05, 2018 -	JUN 26, 2018			
VIN Range 1:		NR	End: NR	2	Not sequential
Vehicle 3:	2018-2018 Mei	cedes-Benz A	MG GLE43 4N	MATIC	
Vehicle Type :	LIGHT VEHICLI	ES			
Body Style :					
Power Train :					
Descriptive Information :	166.064 DA6E	231 vehicles			
	The recall popu	llation was de	termined thro	ough production record	ls. Vehicles not
The i	nformation contain	ed in this repor	t was submitted	pursuant to 49 CFR §573	



Number of potentially involved : 9,044 Estimated percentage with defect : 4 %

**Population :** 

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				uced within ma	nufacturing specifications.
Production Dates : VIN Range 1 :		3 - JUN 26, 201 NR	8 End :	NP	Not sequential
viiv Kalige 1.	Degin.	INIK	LIIU .	INK	
Vehicle 4:	2018-2018 M	lercedes-Benz	AMG GLE6	3 4MATIC	
Vehicle Type :	LIGHT VEHIC	CLES			
Body Style :	SUV				
Power Train :	GAS				
Descriptive Information :	166.074 DA7	E 3 vehicles			
	recalled have	e rear brake ca	lipers prod		ction records. Vehicles not nufacturing specifications.
Production Dates :				ND	
VIN Range 1:	Begin :	NR	End :	NR	☐ Not sequential
Vehicle 5:	2018-2018 M	lercedes-Benz	AMG GLE6	3S 4MATIC	
Vehicle Type :	LIGHT VEHIC	CLES			
Body Style :	SUV				
Power Train :	GAS				
Descriptive Information :	166.075 DA7	F 30 vehicles			
	-	-		<u> </u>	ction records. Vehicles not nufacturing specifications.
Production Dates :					nulactul ing specifications.
VIN Range 1:		NR	End :	NR	☐ Not sequential
viit ituiige 1.	Degin.		Linu .		
Vehicle 6:	2018-2018 M	Iercedes-Benz	GLS450 4M	IATIC	
Vehicle 6 : Vehicle Type :			GLS450 4M	IATIC	
	LIGHT VEHIC		GLS450 4M	IATIC	
Vehicle Type :	LIGHT VEHIC SUV		GLS450 4M	IATIC	
Vehicle Type : Body Style : Power Train :	LIGHT VEHIC SUV GAS	CLES		IATIC	
Vehicle Type : Body Style : Power Train :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall po	CLES E 2551 vehicle pulation was d	es letermined	through produ	ction records. Vehicles not
Vehicle Type : Body Style : Power Train : Descriptive Information :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall po recalled have	CLES E 2551 vehicle pulation was c e rear brake ca	es letermined lipers produ	through produ	ction records. Vehicles not nufacturing specifications.
Vehicle Type : Body Style : Power Train : Descriptive Information : Production Dates :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall por recalled have APR 05, 2018	CLES E 2551 vehicle pulation was c e rear brake ca 3 - JUN 26, 201	es letermined lipers produ 8	through produ iced within ma	nufacturing specifications.
Vehicle Type : Body Style : Power Train : Descriptive Information :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall por recalled have APR 05, 2018	CLES E 2551 vehicle pulation was c e rear brake ca	es letermined lipers produ	through produ iced within ma	
Vehicle Type : Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall por recalled have APR 05, 2018	CLES E 2551 vehicle pulation was d e rear brake ca 3 - JUN 26, 201 NR	es letermined lipers produ 8 End :	through produ iced within ma NR	nufacturing specifications.
Vehicle Type : Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 :	LIGHT VEHIO SUV GAS 166.864 DF6 The recall po recalled have APR 05, 2018 Begin : 2018-2018 M	CLES E 2551 vehicle pulation was c rear brake ca 3 - JUN 26, 201 NR Mercedes-Benz	es letermined lipers produ 8 End :	through produ iced within ma NR	nufacturing specifications.
Vehicle Type : Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 7 :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall por recalled have APR 05, 2018 Begin : 2018-2018 M LIGHT VEHIC	CLES E 2551 vehicle pulation was c rear brake ca 3 - JUN 26, 201 NR Mercedes-Benz	es letermined lipers produ 8 End :	through produ iced within ma NR	nufacturing specifications.
Vehicle Type : Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 7 : Vehicle Type :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall por recalled have APR 05, 2018 Begin : 2018-2018 M LIGHT VEHIC SUV	CLES E 2551 vehicle pulation was c rear brake ca 3 - JUN 26, 201 NR Mercedes-Benz	es letermined lipers produ 8 End :	through produ iced within ma NR	nufacturing specifications.
Vehicle Type : Body Style : Power Train : Descriptive Information : Production Dates : VIN Range 1 : Vehicle 7 : Vehicle Type : Body Style :	LIGHT VEHIC SUV GAS 166.864 DF6 The recall por recalled have APR 05, 2018 Begin : 2018-2018 M LIGHT VEHIC SUV GAS	CLES E 2551 vehicle pulation was d e rear brake ca 3 - JUN 26, 201 NR fercedes-Benz CLES	es letermined lipers produ 8 End : GLS550 4W	through produ iced within ma NR	nufacturing specifications.

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	APR 05, 201				
VIN Range 1:	Begin :	NR	End :	NR	🗌 Not sequentia
Vehicle 8:	2018-2018	Mercedes-Ber	z AMG GLS63	4MATIC	
Vehicle Type :	LIGHT VEH	ICLES			
Body Style :	SUV				
Power Train :	GAS				
Descriptive Information :	166.875 DF	7F 147 vehicle	es		
	recalled hav	ve rear brake o	alipers produc	•••	uction records. Vehicles not nanufacturing specifications.
Production Dates :					
VIN Range 1:	Begin :	NR	End:	NR	Not sequentia
Vehicle 9:	2018-2018	Mercedes-Ber	z AMG GLE43	4MATIC	
Vehicle Type :	LIGHT VEH	ICLES			
Body Style :					
Power Train :	GAS				
		06E 338 vehicle	es		
Power Train : Descriptive Information :	292.364 ED			hrough prod	uction records. Vahiolog pot
	292.364 ED The recall p	opulation was	determined th	•••	uction records. Vehicles not nanufacturing specifications.
Descriptive Information :	292.364 ED The recall p recalled hav	oopulation was ve rear brake o	determined th calipers produc	•••	uction records. Vehicles not nanufacturing specifications.
Descriptive Information : Production Dates :	292.364 ED The recall p recalled hav APR 05, 201	oopulation was ve rear brake o	determined th calipers produc	ced within m	nanufacturing specifications.
Descriptive Information :	292.364 ED The recall p recalled hav APR 05, 201	oopulation was ve rear brake c 18 - JUN 26, 20	determined th alipers produc 18	ced within m	
Descriptive Information : Production Dates : VIN Range 1 :	292.364 ED The recall p recalled hav APR 05, 201 Begin :	oopulation was ve rear brake o 18 - JUN 26, 20 NR	determined th alipers produc 18	ced within m	nanufacturing specifications.
Descriptive Information : Production Dates : VIN Range 1 :	292.364 ED The recall p recalled hav APR 05, 201 Begin : 2018-2018	oopulation was ve rear brake o 18 - JUN 26, 20 NR Mercedes-Ber	determined th calipers produce 18 End :	ced within m	nanufacturing specifications.
Descriptive Information : Production Dates : VIN Range 1 : Vehicle 10 :	292.364 ED The recall p recalled hav APR 05, 201 Begin : 2018-2018 LIGHT VEH	oopulation was ve rear brake o 18 - JUN 26, 20 NR Mercedes-Ber	determined th calipers produce 18 End :	ced within m	nanufacturing specifications.
Descriptive Information : Production Dates : VIN Range 1 : Vehicle 10 : Vehicle Type :	292.364 ED The recall p recalled hav APR 05, 201 Begin : 2018-2018 LIGHT VEH SUV	oopulation was ve rear brake o 18 - JUN 26, 20 NR Mercedes-Ber	determined th calipers produce 18 End :	ced within m	nanufacturing specifications.
Descriptive Information : Production Dates : VIN Range 1 : Vehicle 10 : Vehicle Type : Body Style :	292.364 ED The recall p recalled hav APR 05, 201 Begin : 2018-2018 LIGHT VEH SUV GAS	oopulation was ve rear brake o 18 - JUN 26, 20 NR Mercedes-Ben ICLES	e determined th calipers product 18 End : 1 nz AMG GLE63S	ced within m	nanufacturing specifications.
Descriptive Information : Production Dates : VIN Range 1 : Vehicle 10 : Vehicle Type : Body Style : Power Train :	292.364 ED The recall p recalled hav APR 05, 201 Begin : 2018-2018 LIGHT VEH SUV GAS 292.375 ED The recall p	oopulation was ve rear brake o 18 - JUN 26, 20 NR Mercedes-Ben ICLES 07F 99 vehicles	determined th calipers product 18 End :	ced within m	nanufacturing specifications.
Descriptive Information : Production Dates : VIN Range 1 : Vehicle 10 : Vehicle Type : Body Style : Power Train :	292.364 ED The recall p recalled hav APR 05, 201 Begin : 2018-2018 LIGHT VEH SUV GAS 292.375 ED The recall p recalled hav	oopulation was ve rear brake o 18 - JUN 26, 20 NR Mercedes-Ber ICLES 07F 99 vehicles oopulation was ve rear brake o	e determined th calipers product 18 End : az AMG GLE63S determined th calipers product	ced within m	anufacturing specifications.

### **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 Livonioa 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 electrocoating 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.

The information contained in this report was submitted pursuant to 49 CFR \$573

### **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.
	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.
Planned Dealer Notification Date : Planned Owner Notification Date :	

\* NR - Not Reported