OMB Control No.: 2127-0004

Part 573 Safety Recall Report

Manufacturer Name :Mercedes-Benz USA, LLC.Submission Date :DEC 17, 2018NHTSA Recall No. :18V-850Manufacturer Recall No. :NR



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

Manufacturor Namo · Morea

Vehicle Information :

Population :

Number of potentially involved : 6,162 Estimated percentage with defect : 1 %

Vehicle 1: 2015-2016 Mercedes-Benz C300 Vehicle Type : LIGHT VEHICLES Body Style: 4-DOOR Power Train : GAS Descriptive Information: 205.048 WF4J 2 Vehicles The recall population was determined through production records and small number with an earlier production date when a potentially affected steering rack was installed during an earlier repair. Unaffected vehicles contain locknuts that meet production specifications Production Dates : JUL 16, 2015 - FEB 02, 2016 End: NR Not sequential VIN Range 1 : Begin : NR Vehicle 2: 2019-2019 Mercedes-Benz E450 Coupe Vehicle Type : LIGHT VEHICLES Body Style: 2-DOOR Power Train : GAS Descriptive Information: 238.367 1J6H 3 Vehicles The recall population was determined through production records. Unaffected vehicles contain locknuts that meet production specifications. Production Dates : JAN 02, 2018 - OCT 05, 2018 VIN Range 1 : Begin : NR End: NR Not sequential Vehicle 3: 2017-2017 Mercedes-Benz C300 Coupe Vehicle Type : LIGHT VEHICLES Body Style: 2-DOOR Power Train : GAS Descriptive Information: 205.348 WJ4J 1 Vehicle The recall population was determined through production records and small number The information contained in this report was submitted pursuant to 49 CFR §573



art 573 Safet	y Reca	all Repo	ort	18V-850 Pa	age
	installed du	-		ffected steering rack was s contain locknuts that meet	
Production Dates : VIN Range 1 : 1		16 - MAR 07, 20 NR	16 End: NR	Not sequen	tial
Vehicle 4 : Vehicle Type : Body Style : Power Train : Descriptive Information :	LIGHT VEHI 2-DOOR GAS 205.486 WF The recall p	(8G 1 Vehicle opulation was o	letermined through prod	uction records and small nun ffected steering rack was	nbe
Production Dates :	installed du production DEC 21, 201	ring an earlier i specifications .6 - DEC 21, 201	epair. Unaffected vehicle	s contain locknuts that meet	
VIN Range 1:1	Begin :	NR	End: NR	🗌 Not sequen	tial
Vehicle 5 : Vehicle Type : Body Style : Power Train :	LIGHT VEHI 2-DOOR	Mercedes-Benz ICLES	C63S AMG		
Descriptive Information :	205.087 WF The recall p with an earl installed du	opulation was o ier production	date when a potentially a	uction records and small nun ffected steering rack was s contain locknuts that meet	
Production Dates : VIN Range 1 : 1		4 - DEC 05, 201 NR	4 End: NR	☐ Not sequen	tial
Vehicle 6 : Vehicle Type : Body Style : Power Train :	LIGHT VEHI 4-DOOR	Mercedes-Benz ICLES	C300		
Descriptive Information :	205.048 WF 205.083 WF The recall p	78D 16 Vehicles opulation was o		uction records. Unaffected ifications.	
	IAN 09 901	8 - OCT 05, 201	8		

Vehicle 7:	2018-2019 Me	rcedes-Benz C3	00 Cabri	io	
Vehicle Type :	LIGHT VEHICL	ES			
Body Style :	2-DOOR				
Power Train :	GAS				
Descriptive Information :	205.483 WK8D The recall popu	1 Vehicles		· ·	uction records. Unaffected ifications.
Production Dates :	JAN 02. 2018 -	OCT 05. 2018			
VIN Range 1:		NR	End:	NR	Not sequential
0	0				
Vehicle 8:	2018-2019 Me	rcedes-Benz C3	00 Coup	e	
01	LIGHT VEHICL	ES			
Body Style :					
Power Train :	GAS				
Descriptive Information :	205.383 WJ8D The recall popu	2 Vehicles		· ·	uction records. Unaffected ifications.
Production Dates :	JAN 02, 2018 -	OCT 05, 2018			
VIN Range 1:	Begin :	NR	End :	NR	Not sequential
Vahiela Q.	2018-2019 Me	rcodos-Bonz (3	500		
	LIGHT VEHICL		500		
Body Style :		LJ			
5 5	HYBRID ELECT	RIC			
Descriptive Information :					
Descriptive mornation.	The recall popu			· ·	uction records. Unaffected ifications.
Production Dates :	JAN 02, 2018 -	OCT 05, 2018			
VIN Range 1:	Begin :	NR	End :	NR	☐ Not sequential
Vehicle 10:	2018-2019 Me	rcedes-Benz C6	3 AMG		
	LIGHT VEHICL				
Body Style :					
Power Train :					
Descriptive Information :		28 Vehicles			
	The recall popu			· ·	uction records. Unaffected ifications.

VIN Range 1:	Begin :	NR	End: NR	Not sequential
Vehicle 11:	2018-2018	Mercedes-Ben	z C63 AMG Cabrio	
Vehicle Type :	LIGHT VEH	ICLES		
Body Style :				
Power Train :				
Descriptive Information :	205.486 WI	K8G 17 Vehicle	S	
F	The recall p	opulation was	determined through produ hat meet production specif	
Production Dates :	JAN 02, 201	.8 - OCT 05, 201	18	
VIN Range 1:		NR	End: NR	☐ Not sequential
Vehicle 12:	2018-2018	Mercedes-Ben	z C63 AMG Coupe	
Vehicle Type :			2 000 mild ooupo	
Body Style :				
Power Train :				
Descriptive Information :		ISC 33 Vahiclas		
Descriptive mormation.	The recall p	opulation was	determined through produ that meet production specif	
Production Dates :				
VIN Range 1:	Begin :	NR	End: NR	□ Not sequential
Vehicle 13:	2018-2018	Mercedes-Ben	z C63S AMG	
Vehicle Type :	LIGHT VEH	ICLES		
Body Style :	4-DOOR			
Power Train :	GAS			
Descriptive Information :	205.087 WI	F8H 36 Vehicle	S	
	The recall p	opulation was	determined through produ hat meet production specif	
Production Dates :	JAN 02, 201	8 - OCT 05, 201	18	
VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential
Vehicle 14:	2018-2019	Mercedes-Ben	z C63S AMG Cabrio	
Vehicle Type :	LIGHT VEH	ICLES		
Body Style :	2-DOOR			
Power Train :	GAS			
Descriptive Information :	The recall p	opulation was	s determined through produ hat meet production specif	
Production Dates :	JAN 02, 201	8 - OCT 05, 201	18	
VIN Range 1:		NR	End: NR	☐ Not sequential

Vehicle 15	2018-2018	Mercedes-Benz	C63S AMG	Coune	
Vehicle Type :			COSS ANIO	coupe	
Body Style :		CLES			
Power Train :					
		PU 02 Vahieles			
Descriptive Information :	The recall po			01	ction records. Unaffected fications.
Production Dates :	JAN 02, 2018	8 - OCT 05, 201	8		
VIN Range 1:	Begin :	NR	End :	NR	Not sequential
Vehicle 16:	2019-2019	Mercedes-Benz	CLS450		
Vehicle Type :	LIGHT VEHI	CLES			
Body Style :	4-DOOR				
Power Train :	GAS				
Descriptive Information :	The recall po				ction records. Unaffected fications.
Production Dates :	JAN 02, 2018	8 - OCT 05, 2013	8		
VIN Range 1:	Begin :	NR	End :	NR	☐ Not sequential
Vehicle 17:	2018-2018	Mercedes-Benz	E300		
Vehicle Type :	LIGHT VEHI	CLES			
Body Style :	4-DOOR				
Power Train :	GAS				
Descriptive Information :	The recall po		letermined	01	ction records. Unaffected fications.
Production Dates :	JAN 02, 2018	8 - OCT 05, 201	8		
VIN Range 1:	Begin :	NR	End :	NR	□ Not sequential
Vehicle 18:	2018-2018	Mercedes-Benz	E400 Cabri	0	
Vehicle Type :	LIGHT VEHI	CLES			
Body Style :	2-DOOR				
Power Train :	GAS				
Descriptive Information :	The recall po		letermined	· ·	ction records. Unaffected fications.
Production Dates :	JAN 02, 2018	8 - OCT 05, 2013	8		
VIN Range 1:		NR	End:	NR	Not sequential

Vehicle 20: 2019-2019 Mercedes-Benz E450 Cabrio Vehicle Type: LIGHT VEHICLES Body Style: 2-DOOR Power Train: GAS Descriptive Information: 238.467 1K6H 2 Vehicles The recall population was determined through production records. Unaffected vehicles contain locknuts that meet production specifications. Production Dates: JAN 02, 2018 - OCT 05, 2018 VIN Range 1: Begin: NR End: NR Vehicle 21: 2017-2017 Mercedes-Benz C300 Cabrio Vehicle Type: LIGHT VEHICLES Body Style: 2-DOOR Power Train: GAS Descriptive Information: 205.448 WK4J 1 Vehicle The recall population was determined through production records and small number with an earlier production date when a potentially affected steering rack was installed during an earlier repair. Unaffected vehicles contain locknuts that meet production specifications Production Dates: JAN 23, 2017 - JAN 23, 2017 VIN Range 1: Begin: NR End: NR Installed during an earlier repair. NR Interceed vehicles contain locknuts that meet production specifications					
Image: Second Structure S	Vehicle Type : Body Style : Power Train :	LIGHT VEH 2-DOOR GAS	IICLES	00 Coupe	
VIN Range 1 : Begin : NR End : NR Indianal Not sequential Vehicle 20 : 2019-2019 Mercedes-Benz E450 Cabrio Vehicle Type : LIGHT VEHICLES Body Style : 2-DOOR Power Train : CAS Descriptive Information : 238.467 1K6H 2 Vehicles The recall population was determined through production records. Unaffected vehicles contain locknuts that meet production specifications. Production Dates : JAN 02, 2018 - OCT 05, 2018 Not sequential Vehicle 21 : 2017-2017 Mercedes-Benz C300 Cabrio Not sequential Vehicle 7ppe : LIGHT VEHICLES Body Style : 2-DOOR Power Train : GAS S Not sequential Vehicle 7ppe : LIGHT VEHICLES Body Style : 2-DOOR Power Train : GAS CAS Not sequential Descriptive Information : 205.448 WK4J 1 Vehicle The recall population was determined through production records and small numbe with an earlier production date when a potentially affected steering rack was installed during an earlier repair. Unaffected vehicles contain locknuts that meet production pates : JAN 23, 2017 - JAN 23, 2017 VIN Range 1 : Begin : NR End : NR Not sequential escription of the Defect :	Descriptive Information :	The recall]	population was dete		
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Vehicle Type: LIGHT VEHICLES Body Style: 2-DOOR Power Train: GAS Descriptive Information: 238.467 1K6H 2 Vehicles The recall population was determined through production records. Unaffected vehicles contain locknuts that meet production specifications. Production Dates: IAN 02, 2018 - OCT 05, 2018 VIN Range 1: Begin: NR End: NR Not sequential Vehicle 21: 2017-2017 Mercedes-Benz C300 Cabrio Vehicle Type: LIGHT VEHICLES Body Style: 2-DOOR Power Train: GAS Descriptive Information: 205.448 WK4J 1 Vehicle The recall population was determined through production records and small numbe with an earlier production date when a potentially affected steering rack was installed during an earlier repair. Unaffected vehicles contain locknuts that meet production specifications Production Dates: JAN 23, 2017 - JAN 23, 2017 VIN Range 1: Begin: NR End: NR Not sequential escription of Defect : Daimler AG ("DAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2018-2019 C-Class (205 platform), e-Class (213 platform), e-Class (205 platform), cLS-Class (205 platform) vehicles with rear-wheel drive a locknut in the steering rack might have internal material cracks. Additionally, six MY 2015	VIN Range 1:	Begin :	NR	End: NR	☐ Not sequential
The recall population was determined through production records. Unaffected vehicles contain locknuts that meet production specifications. Production Dates : JAN 02, 2018 - OCT 05, 2018 VIN Range 1 : Begin : NR End : NR Not sequential Vehicle 21 : 2017-2017 Mercedes-Benz C300 Cabrio Not sequential Vehicle 11 : 2017-2017 Mercedes-Benz C300 Cabrio Not sequential Body Style : 2-DOOR Power Train : GAS Descriptive Information : 205.448 WK4J 1 Vehicle The recall population was determined through production records and small number with an earlier production date when a potentially affected steering rack was installed during an earlier repair. Unaffected vehicles contain locknuts that meet production specifications Production Dates : JAN 23, 2017 - JAN 23, 2017 VIN Range 1 : Begin : NR End : NR Escription of Defect : Daimler AG ("DAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2018-2019 C-Class (205 platform), E-Class (213 platform), E-Class (213 platform), E-Class (205 platform), E-Class (213 platform), E-Class (205 platform), E-Class (205 platform), VIN 72015 - 2017 C-Class (205 platform) vehicles with rear-wheel drive a locknut in the steering rack might have internal material cracks. Additionally, six MY 2015 - 2017 C-Class (205 platform) vehicles were identified as having been previously repaired using the affected locknut.	Vehicle Type : Body Style : Power Train :	LIGHT VEH 2-DOOR GAS	IICLES	50 Cabrio	
VIN Range 1 : Begin : NR End : NR Image: Not sequential Vehicle 21 : 2017-2017 Mercedes-Benz C300 Cabrio Vehicle Type : LIGHT VEHICLES Body Style : 2-DOOR Power Train : GAS Descriptive Information : 205.448 WK4J 1 Vehicle The recall population was determined through production records and small number with an earlier production date when a potentially affected steering rack was installed during an earlier repair. Unaffected vehicles contain locknuts that meet production specifications Production Dates : JAN 23, 2017 - JAN 23, 2017 VIN Range 1 : Begin : NR End : NR Escription of Defect : Daimler AG ("DAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("SMY") 2018-2019 C-Class (205 platform), E-Class (213 platform), E-Class Coupe (238 platform), CLS-Class (257 platform), vehicles with rear-wheel drive a locknut in the steering rack might have internal material cracks. Additionally, six MY 2015-2017 C-Class (205 platform) vehicles were identified as having been previously repaired using the affected locknut.	Descriptive information :	The recall]	population was dete	.	
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VIN Range 1: Begin: NR End: NR Not sequential escription of Defect: Description of the Defect: Daimler AG ("DAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2018-2019 C-Class (205 platform), E-Class (213 platform), E-Class Coupe (238 platform), CLS-Class (257 platform) vehicles with rear-wheel drive a locknut in the steering rack might have internal material cracks. Additionally, six MY 2015-2017 C-Class (205 platform) vehicles were identified as having been previously repaired using the affected locknut.	Descriptive Information :	The recall j with an ear installed d	population was dete rlier production dat uring an earlier rep	e when a potentially	affected steering rack was
VIN Range 1: Begin: NR End: NR Not sequential escription of Defect: Description of the Defect: Daimler AG ("DAG"), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year ("MY") 2018-2019 C-Class (205 platform), E-Class (213 platform), E-Class Coupe (238 platform), CLS-Class (257 platform) vehicles with rear-wheel drive a locknut in the steering rack might have internal material cracks. Additionally, six MY 2015-2017 C-Class (205 platform) vehicles were identified as having been previously repaired using the affected locknut.	Production Dates :	JAN 23, 20	17 - JAN 23, 2017		
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	Description of Defect : Description of the Defe	determ platforn (257 pl might (205 pl	ined that on certain m), E-Class (213 pla atform) vehicles wi have internal mater atform) vehicles we	Model Year ("MY") tform), E-Class Couj th rear-wheel drive ial cracks. Additiona	2018-2019 C-Class (205 pe (238 platform), CLS-Class a locknut in the steering rack ally, six MY 2015-2017 C-Class
The information contained in this report was submitted pursuant to 40 CED 8573		using th	he affected locknut.		
In a maximum containad in this conast was submitted direction to $/10.1 \pm 0.8573$	ть	oformation	ntoined in this remain		+ +o 40 CED SE72

FMVSS 1 : FMVSS 2 :	
Description of the Safety Risk :	In the unlikely event that such a locknut was installed in the affected vehicle population, large lateral forces, such as those encountered by impacting a curb during maneuvering or parking, could cause the locknut to break. This could cause the steering to become fixed in a static position, which would increase the risk of a crash.
Description of the Cause :	Due to a production deviation at a sub-supplier (Tier-4), a certain batch of locknuts might have internal material cracks and thereby not meet the strength requirements specified.
	The customer will not receive an advance warning due to the nature of the failure mechanism.

Supplier Identification :

Component Manufacturer

Name : thyssenkrupp Presta Aktiengesellschaft

- Address : Essanestrasse 10 Eschen FOREIGN STATES 9492
- Country: Liechtenstein

Chronology:

In February 2018, the supplier of the steering rack informed DAG about instances of broken locknuts in the supplier's production process.

Subsequently, DAG launched investigations of this issue together with the supplier. It was determined that the material of a certain batch of locknuts might have internal cracks due to a process deviation at a sub-supplier (Tier-4). As a result, it was concluded that locknuts exhibiting this issue would be identified in the production process of the supplier by the installed quality inspections and application of defined loads and forces to the steering racks in the production process. These conclusions were confirmed by additional high-stress load testing of potentially affected locknuts.

After this investigation was completed, DAG determined in March 2018 that no safety relevance for this issue existed, as all potentially affected locknuts or steering racks would be identified in the supplier's production process.

In June 2018, DAG was informed about an instance of a fixed steering assembly during unloading of a new vehicle at a dealer in Asia. The steering rack of this vehicle was shipped to the supplier for investigation and in mid-July 2018 a broken locknut was identified as the root cause.

Subsequently, the investigation of the aforementioned issue was re-opened in order to clarify why the locknut was not identified as faulty during the production process of the supplier.

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

In the course of this investigation in August and September 2018, it was concluded that the locknut in question had internal cracks in the material, thus making it impossible for those cracks to be detected by the installed quality inspections at the supplier. Until then, it was assumed that all cracks would be visible on the surface and thus be detectable by the installed magnetic particle testing (fluxing).

Furthermore, it was concluded that the existing conformity-of-production tests that apply defined forces to each steering rack might not in ev

Description of Remedy :

Description of Remedy Program :	As a precautionary measure an authorized Mercedes-Benz dealer will replace the steering rack 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.
	The steering racks to be installed in the scope of the recall contain locknuts which meet production specifications.
	A change in the production procedure of our supplier ensures that this issue can no longer occur from October 16, 2018 onwards.

Recall Schedule :

Description of Recall Schedule :	Dealers will be notified of the pending voluntary recall campaign in December 2018. Owners will be notified approximately one week after recall launch to the dealers in January 2018. A copy of all communications will be provided when available.
Planned Dealer Notification Date :	DEC 17, 2018 - NR
Planned Owner Notification Date :	JAN 25, 2019 - NR

* NR - Not Reported

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