

# Part 573 Safety Recall Report

# 24V-298

**Manufacturer Name :** Mercedes-Benz USA, LLC**Submission Date :** MAY 10, 2024**NHTSA Recall No. :** 24V-298**Manufacturer Recall No. :** 2024050001/2**Manufacturer Information :****Population :**

Manufacturer Name : Mercedes-Benz USA, LLC

Number of potentially involved : 15,604

Address : 13470 International Parkway

Estimated percentage with defect : 100 %

Jacksonville FL 32218

Company phone : 1-877-496-3691

**Vehicle Information :**

Vehicle 1 : 2009-2009 Mercedes-Benz GL320BTC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2009 GL320BTC 168 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2007-2008 Mercedes-Benz GL320CDI

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2007-2008 GL320CDI 187 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2009-2012 Mercedes-Benz GL350BTC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2009-2012 GL350BTC 510 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 4 : 2011-2012 Mercedes-Benz GL350CDI

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2011-2012 GL350CDI 3 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 5 : 2007-2012 Mercedes-Benz GL450

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2007-2012 GL450 3,826 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 6 : 2008-2012 Mercedes-Benz GL550

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2008-2012 GL550 557 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 7 : 2009-2009 Mercedes-Benz ML320BTC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2009 ML320BTC 233 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 8 : 2007-2008 Mercedes-Benz ML320CDI

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2007-2008 ML320CDI 548 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 9 : 2006-2011 Mercedes-Benz ML350

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2006-2011 ML350 6,032 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 10 : 2009-2011 Mercedes-Benz ML350BTC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2009-2011 ML350BTC 256 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 11 : 2009-2009 Mercedes-Benz ML350CDI

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2009 ML350CDI 1 Vehicle. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 12 : 2010-2011 Mercedes-Benz ML450H

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Mercedes-Benz 2010-2011 ML350H 81 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 13 : 2006-2008 Mercedes-Benz ML500

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2006-2008 ML500 484 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 14 : 2008-2011 Mercedes-Benz ML550

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2008-2011 ML550 139 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 15 : 2007-2011 Mercedes-Benz Mercedes-AMG ML63  
Vehicle Type : LIGHT VEHICLES  
Body Style : SUV  
Power Train : GAS

Descriptive Information : Mercedes-Benz 2007-2011 Mercedes-AMG ML63 104 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 16 : 2009-2009 Mercedes-Benz R320BTC  
Vehicle Type : LIGHT VEHICLES  
Body Style : SUV  
Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2009 R320BTC 14 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 17 : 2007-2008 Mercedes-Benz R320CDI  
Vehicle Type : LIGHT VEHICLES  
Body Style : SUV  
Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2007-2008 R320CDI 267 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 18 : 2006-2012 Mercedes-Benz R350  
Vehicle Type : LIGHT VEHICLES  
Body Style : SUV  
Power Train : GAS

Descriptive Information : Mercedes-Benz 2006-2012 R350 1,911 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

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

Vehicle 19 : 2009-2012 Mercedes-Benz R350BTC

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2009-2012 R350BTC 42 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 20 : 2012-2012 Mercedes-Benz R350CDI

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : DIESEL

Descriptive Information : Mercedes-Benz 2012 R350CDI 2 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 21 : 2006-2007 Mercedes-Benz R500

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2006-2007 R500 236 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

VIN Range 1 : Begin : NR End : NR

Not sequential

Vehicle 22 : 2007-2007 Mercedes-Benz Mercedes-AMG R63

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Mercedes-Benz 2007 Mercedes-AMG R63 3 Vehicles. The recall population was determined through production records. Vehicles not included in this recall do not utilize an aesthetic rubber sleeve around the brake booster housing.

Production Dates : OCT 21, 2004 - AUG 20, 2012

VIN Range 1 : Begin : NR End : NR

Not sequential

## Description of Defect :

Description of the Defect : Mercedes-Benz AG (“MBAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 2006-2012 ML, GL (164 platform) and R-Class (251 platform) vehicles, the function of the brake booster might be affected due to advanced corrosion in the joint area of its housing.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Description of Safety Risk\*

After extended time in the field and in conjunction with significant water exposure, this corrosion might lead to a leakage of the brake booster. In this case, the brake force support might be reduced, leading to an increase in the brake pedal forces required to decelerate the vehicle and/or to potentially increased stopping distance.

Additionally, in rare cases of very severe corrosion, it might be possible for a particularly strong or hard braking maneuver to cause mechanical damage in the brake booster, whereby the connection between brake pedal and brake system would fail. In such a very rare case, it would not be possible to decelerate the vehicle via the service brake.

Thus, the risk of a crash or injury would be increased.

The function of the foot parking brake is not affected by this issue.

Description of the Cause : Moisture may wick under a rubber sleeve that is installed around the brake booster housing for aesthetic reasons. This might result in corrosion in the joint area of the brake booster housing.

Identification of Any Warning that can Occur : Before the issue occurs, the driver might notice a change in the brake pedal feel and/or hissing/airflow noises when applying the brake pedal.

## Involved Components :

Component Name 1 : Brake Booster

Component Description : Brake Booster

Component Part Number : A1644310427

Component Name 2 : Brake Booster

Component Description : Brake Booster

Component Part Number : A1644310527

Component Name 3 : Brake Booster

Component Description : Brake Booster

Component Part Number : A1644310627

## Supplier Identification :

### Component Manufacturer

Name : Continental Tire the Americas, LLC

Address : 1830 MacMillan Park Dr.

Fort Mill North Carolina 29707

Country : United States

## Chronology :

Please see chronology supplement.

## Description of Remedy :

Description of Remedy Program : An authorized Mercedes-Benz dealer will remove the rubber sleeve and inspect the brake booster housing on the affected vehicles. Vehicles that do not exhibit advanced corrosion may continue to be driven with no further action. Vehicles that exhibit advanced corrosion will require a brake booster replacement. The stop-drive notice will remain in effect for these vehicles until the brake booster is replaced. In the event a repair is necessary and cannot be carried out immediately, an authorized Mercedes-Benz dealer will help coordinate an individual solution for the customer, including alternate mobility.

Pursuant to 49 C.F.R. § 577.11, MBUSA plans to provide notice about pre-notice reimbursement to owners since some of the involved vehicles could have been previously subject to the condition described.

How Remedy Component Differs from Recalled Component : Brake booster without rubber sleeve installed. Brake Booster: A2514300000 Modification kit for brake pedal (only needed for a part of the affected vehicles): A2512900000

Identify How/When Recall Condition was Corrected in Production : The issue might occur on all vehicles of the subject models produced up to August 20, 2012.



**Recall Schedule :**

Description of Recall Schedule : MBUSA will issue a stop-drive notice and dealers will be notified of the voluntary recall campaign on May 10, 2024. MBUSA will issue a stop-drive notice and owners will be notified of the voluntary recall campaign on or before May 24, 2024. A copy of all communications will be provided when available.

Planned Dealer Notification Date : MAY 10, 2024 - NR

Planned Owner Notification Date : MAY 24, 2024 - NR

\* NR - Not Reported