

Part 573 Safety Recall Report

16E-026

Manufacturer Name : Robert Bosch LLC**Submission Date :** AUG 08, 2016**NHTSA Recall No. :** 16E-026**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Robert Bosch LLC

Address : 38000 Hills Tech Drive
Farmington Hills MI 48331

Company phone : 248-553-9000

Population :

Number of potentially involved : 49,635

Estimated percentage with defect : NR

Equipment Information :

Brand / Trade 1 : Bosch QuietCast

Model : front brake pads

Part No. : BC598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

2001-2007 Ford Taurus sedan and wagon,
 2001-2005 Mercury Sable sedan or wagon,
 1997 Ford Thunderbird,
 1997 Mercury Cougar,
 1995-2002 Lincoln Continental,
 1995-1999 Ford Taurus SHO,
 1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 2 : Duralast

Model : front brake pads

Part No. : MKD598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 3 : Prostop

Model : front brake pads

Part No. : PD598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Ford Thunderbird,
1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 4 : Prostop

Model : front brake pads

Part No. : PD765M

Size : NR

Function : Braking

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1997 Ford Thunderbird,
1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2014

Brand / Trade 5 : Bosch Blue

Model : front brake pads

Part No. : BE598H

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Ford Thunderbird,
1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 30, 2015

Brand / Trade 6 : Duralast Gold

Model : front brake pads

Part No. : DG598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Ford Thunderbird,
1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 7 : Bosch Blue

Model : front brake pads

Part No. : BE598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Ford Thunderbird,
1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2014

Brand / Trade 8 : Prostop Platinum

Model : front brake pads

Part No. : PGD598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Ford Thunderbird,
1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 9 : Stop Master

Model : front brake pads

Part No. : ST598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 10 : UltraStop

Model : front brake pads

Part No. : ULT598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 11 : Bosch QuiteCast

Model : front brake pads

Part No. : BP765

Size : NR

Function : Braking

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1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 12 : UltraLife

Model : front brake pads

Part No. : MX598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

2001-2007 Ford Taurus sedan and wagon,
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1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 13 : BrakeBest

Model : front brake pads

Part No. : MKD765

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

2001-2007 Ford Taurus sedan and wagon,
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1997 Ford Thunderbird,
1997 Mercury Cougar,
1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 14 : UltraLife

Model : front brake pads

Part No. : MX765

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1997 Mercury Cougar,
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1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Brand / Trade 15 : BrakeBest

Model : front brake pads

Part No. : D598

Size : NR

Function : Braking

Descriptive Information : This notice involves Bosch Brake Components LLC D598/D765 model aftermarket (replacement) front brake pads manufactured from October 2014 through October 2015, equipped with shims that were mounted using a 4-point design. (Product manufactured using a 5-point design before and after the stated production period are not affected.) The brake pads were sold by Bosch between October 2014 and November 2015 to various independent aftermarket customers in North America under the following brand names: Bosch Quietcast and Blue; BrakeBest, Duralast and Duralast Gold; Stop Master; Ultrastop; Pro-Stop and Pro-Stop Platinum and Ultralife. The brake pads are intended for use in the following vehicle applications:

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1995-2002 Lincoln Continental,
1995-1999 Ford Taurus SHO,
1993-1998 Lincoln Mark VIII

Production Dates : OCT 01, 2014 - OCT 31, 2015

Description of Defect :

Description of the Defect : Under certain conditions, the subject brake pads using the shim with the 4-point mounting design can shift out of the design position and can come into contact with and cut a groove in the rotor. If the shim contacts the rotor in the flange area of the rotor, based on testing, this particular condition does not affect motor vehicle safety. However, if the shim contacts the "hat" area of the rotor and the condition remains undetected for an extended period of time, the rotor could eventually break, resulting in a loss of brake function at that wheel end. (Braking at other wheels will not be affected.)

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A loss of brake function at the affected wheel end may result in an increase in stopping distance, increasing the risk of a vehicle crash.

Description of the Cause : Under certain conditions, the subject brake pads using the shim with the 4-point mounting design can shift out of the design position and can come into contact with and cut a groove in the rotor. If the shim contacts the rotor in the flange area of the rotor, based on testing, this particular condition does not

Identification of Any Warning that can Occur : affect motor vehicle safety. However, if the shim contacts the “hat” area of the rotor and the condition remains undetected for an extended period of time, the rotor could eventually break, resulting in a loss of brake function at that wheel end. (Braking at other wheels will not be affected.)
There will be noise associated with the shim contacting the rotor during braking, providing advance warning to the driver.

Supplier Identification :

Component Manufacturer

Name : Bosch Brake Components LLC
Address : 2800 South 25th Avenue
Broadview MICHIGAN 60155
Country : United States

Chronology :

October 2015: Bosch was notified by its shim material supplier that benchmark testing it conducted revealed that the shims it supplied to Bosch for the D598/D765 brake pads had the potential to get out of position and contact the rotor. The supplier did not provide a risk assessment.

October 2015: All D598/D765 brake pads at Bosch were quarantined and production stopped for the affected part numbers.

October – November 2015: Bosch initiated bench testing at its supplier for both 4-point mounting and 5-point mounting shim designs, along with competitor and OES parts. The results indicated that the 4-point mounting shim has the potential to move while the 5-point mounting shim did not.

December 2015: Bosch informed customers to return all existing stock in their distribution center and stores back to Bosch for rework and replacement with the 5-point mounting design.

December 2015 – February 2016: Bosch commenced vehicle testing, simulation testing and finite element modelling with 4-point mounting design. The testing and modelling evidenced that the performance of the braking and that the rotor integrity was not compromised. Accordingly, the issue was at that time not deemed a safety issue.

March 2016: Additional vehicle tests showed 2 vehicles, under extreme driving, exhibited a cut of 2.3 mm and 4 mm in the flange area. According to finite element modelling of 4 mm cut in flange will still not lead to failure of the rotor. Finite element modelling indicated a cut > 2mm, outside the flange and in the hat area of the rotor may lead to a rotor failure. However, this has not been replicated in any tests and the concern with cutting in the area of the hat of the rotor has not been observed in the field. Bosch is not aware of any field failures, accidents, injuries or warranty claims related to this issue.

March 22, 2016: Bosch's Field Quality Board made a decision to issue a safety recall.

Description of Remedy :

Description of Remedy Program : Bosch will work with its customers to develop a notification process for their customers (downstream resellers and consumers). Customers will be provided with instructions on how to identify the affected brakes pads. The recalled product will be replaced with product manufactured using a 5-point mounting shim free of charge. Bosch will reimburse consumers the cost of installation based on standard labor rates. The replacement product is currently available.

Pursuant to 49 CFR §577.11(e), Bosch requests that it be exempt from providing notification of a reimbursement plan. Any pre-notification product failure would have been replaced under the manufacturer's limited warranty. Accordingly, no person would be eligible for reimbursement pursuant to §573.13.

How Remedy Component Differs from Recalled Component : The recalled product, with a 4-point mounted shim, will be replaced with a product using a 5-point mounted shim.

Identify How/When Recall Condition was Corrected in Production : All D598/D765 brake pads at Bosch were quarantined and production stopped for the affected parts in October 2015.

Recall Schedule :

Description of Recall Schedule : Bosch will commence written notification to its direct customers (dealers and distributors) by mid-April, 2016. Notification of consumers identified through discussions with Bosch's dealers and distributors is unknown at this time.

Planned Dealer Notification Date : APR 18, 2016 - NR

Planned Owner Notification Date : MAY 02, 2016 - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : NR

Address : NR

NR

Country : NR

Company Phone : NR

* NR - Not Reported