

Part 573 Safety Recall Report

17V-812

Manufacturer Name : Ducati North America

Submission Date : DEC 30, 2017

NHTSA Recall No. : 17V-812

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Ducati North America

Address : 448 E. Middlefield Rd

Mountain View CA 94043

Company phone : 408-253-0499

Population :

Number of potentially involved : NR

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2015-2018 Ducati 1299 STD / 1299 S / 1299 FE / 1299 SL

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined using the shipment dates for parts supplied by BREMBO. The recalled products piston is made polyphenylene sulphide (PPS) while products that were not included in the recall are made from aluminum.

Production Dates : MAR 16, 2015 - SEP 22, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 2 : 2015-2018 Ducati Monster 1200 S / Monster 1200 R

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined using the shipment dates for parts supplied by BREMBO. The recalled products piston is made polyphenylene sulphide (PPS) while products that were not included in the recall are made from aluminum.

Production Dates : MAR 04, 2015 - OCT 23, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2016-2018 Ducati XDiavel S

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined using the shipment dates for parts supplied by BREMBO. The recalled products piston is made polyphenylene sulphide (PPS) while products that were not included in the recall are made from aluminum.

Production Dates : JAN 12, 2016 - SEP 08, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2015-2017 Ducati Panigale R

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined using the shipment dates for parts supplied by BREMBO. The recalled products piston is made polyphenilene sulphide (PPS) while products that were not included in the recall are made from aluminum.

Production Dates : MAR 16, 2015 - JUN 20, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2017-2018 Ducati Scrambler 800 Cafe Racer

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined using the shipment dates for parts supplied by BREMBO. The recalled products piston is made polyphenilene sulphide (PPS) while products that were not included in the recall are made from aluminum

Production Dates : MAR 01, 2017 - NOV 20, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 6 : 2015-2018 Ducati Multistrada S / Multistrada PP

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined using the shipment dates for parts supplied by BREMBO. The recalled products piston is made polyphenilene sulphide (PPS) while products that were not included in the recall are made from aluminum.

Production Dates : MAR 16, 2015 - OCT 31, 2017

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential**Description of Defect :**

Description of the Defect : A potential exists for crack generation on the front brake master cylinder piston connecting the internal pressure area to the external surface; this potential is specific to pistons created from polyphenilene sulphide (PPS). Consequently, front brake function may be inhibited, preventing proper braking of the motorcycle. The rear brake is not affected and works correctly.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a crack within the piston occurs, the fracture can connect the pressure

Description of the Safety Risk : chamber to open air; wherein the brake master cylinder is not able to generate sufficient hydraulic pressure in the system. This may affect the braking system's effectiveness. As a result, braking can only be performed with the rear brake which may increase stopping distance significantly, and thus risk injury to the rider and/or damage to property. Moreover, demanding conditions such as race track use, frequent ABS interventions, or vehicle tip-over may compound and further induce failure.

Description of the Cause : The anisotropy of the piston material, in addition to potential porosity introduced during the injection process, could lead to crack generation and thus potential component failure.

Identification of Any Warning that can Occur : The failure may occur with no warning to the rider, although a significant loss in brake effectiveness may be an early indicator.

Supplier Identification :

Component Manufacturer

Name : Brembo S.p.A.
Address : Via Brembo 25
 Curno (BG) FOREIGN STATES 24035
Country : Italy

Chronology :

In May, 2017, Ducati received initial information from the field regarding front brake malfunction involving a motorcycle in the European market. During the same month Ducati received a second European front brake malfunction report. Ducati initiated an investigation and began to jointly conduct an analysis with Brembo, the component manufacturer. In September, 2017, a third European case was discovered. Failure was found to have occurred during race track use in two of the three cases. In November, 2017, the investigation was finalized and the root cause was identified as above. (Please refer to "Describe the cause"). On December 14th, 2017, Ducati determined that a worldwide safety Recall was justified. For subject motorcycles sold in the U.S, there have been no reports of injuries due to the defect.

Description of Remedy :

Description of Remedy Program : Official Ducati dealers will replace the PPS piston with one made from aluminum. This will be performed free of charge. A Ducati North America Recall Bulletin is scheduled to be published to the Ducati Dealer Network using the established communication process. Owner notification letters are expected to mail within 60 days from submission of this report.

How Remedy Component Differs The new piston is made from aluminum and machined from bar, guaranteeing a higher strength material as well as the absence of any

from Recalled Component : possibility of porosity.

Identify How/When Recall Condition was Corrected in Production : The component manufacturer, Brembo, is now supplying aluminum front brake master cylinder pistons for the production line. Units produced before the first supply of PPS front master cylinder pistons from Brembo are excluded from the recall as they were made from aluminum. Likewise, units produced after the last supply of PPS front master cylinder pistons from Brembo are excluded from the recall as well.

Recall Schedule :

Description of Recall Schedule : A Ducati North America Recall Bulletin will be published to the network of dealers through an established communication process. We estimate that we will initiate the Recall contact process for affected motorcycle Customers by the third week of February 2018, immediately upon parts becoming available. Owner notification letters will be mailed within 60 days from submission of this report.

Planned Dealer Notification Date : JAN 15, 2018 - JAN 16, 2018

Planned Owner Notification Date : FEB 15, 2018 - FEB 16, 2018

* NR - Not Reported