

# Part 573 Safety Recall Report

# 20V-232

**Manufacturer Name :** Ducati North America**Submission Date :** APR 23, 2020**NHTSA Recall No. :** 20V-232**Manufacturer Recall No. :** SRV-RCL-20-001**Manufacturer Information :**

Manufacturer Name : Ducati North America

Address : 448 E. Middlefield Rd

Mountain View CA 94043

Company phone : 719 209 4609

**Population :**

Number of potentially involved : 97

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2017-2017 Ducati Superleggera

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : This recall affects all Superleggera 2 models. (97 units)

Production Dates : SEP 07, 2017 - DEC 07, 2017

VIN Range 1 : Begin : ZDMHAAJW5HB000024 End : ZDMHAAJW0HB000951  Not sequential**Description of Defect :**

Description of the Defect : A potential exists for detachment of the brake pad friction material from the back plate, specifically, but not exclusively, for vehicles operated in corrosive environments.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If detachment of Front Brake Pads friction material from the backing plate occurs, the distance between the braking plate and disc cannot be balanced with a single action on the brake master cylinder, rendering the brake pad defective. Potentially defective pads can increase vehicle stopping distances. Though systems assembled with unaffected brake pads maintain their required performance, an increased risk of driver injury and/or vehicle damage may still exist if vehicle is operated with one defective brake pad.

Description of the Cause : The brake pad manufacturer has advised that the root cause is linked to the following factors: (i) a high concentration of Nickel in the compound does not favour the sintering process on the backing plate and consequently causes a reduction of the adhesive area percentage; (ii) a high porosity of the compound that allows infiltration of salt and water at the interface between the compound and backing plate; and (iii) micro-fractures on the backing plate copper surface

Identification of Any Warning that can Occur : which promotes the penetration of salt and water. As a result, the level of corrosion of Front Brake Pads is higher than the maximum acceptable standard. This may result in high corrosion of the Front Brake Pads and, as a consequence, the detachment from the backing plate during vehicle use, specifically in corrosive environment.

The failure may occur without any warning to the driver.

## Involved Components :

Component Name 1 : Front brake pad (pair)

Component Description : Front brake pad (pair)

Component Part Number : Brembo PN.07.9882.36 that corresponds to Ducati PN.61341231A

## Supplier Identification :

### Component Manufacturer

Name : Brembo

Address : NR

FOREIGN STATES

Country : Italy

## Chronology :

No defect reports have been submitted to Ducati either from the customer network or internally from the factory.

Ducati has never received Customer complaints, reports of crashes, or reports of injuries.

On April 20, 2020, Brembo notified Ducati Motor Holding of a non-conformity of part number 07.9882.36 with compound material code BRM10B, supplied to Brembo by Tungaloy Corporation and the intent to proceed with a worldwide safety recall campaign.

On April 21, 2020 the Ducati Motor Holding safety internal commission decided to extend the recall campaign to affected vehicles by front brake pads part number 07.9882.36.

On April 22, 2020 Ducati Motor Holding advised all subsidiaries, including Ducati North America, of the impact of this safety recall campaign.

**Description of Remedy :**

**Description of Remedy Program :** Ducati will notify vehicle owners, and dealers will replace the front brake pads free of charge for the Customers. Regardless of warranty status, units affected by this recall will be covered at no charge to the customer. This includes reimbursement for pre-notice recall repairs that meet Ducati North America's standards, and support for roadside assistance needed for units to reach a Ducati-authorized repair facility. Requests for reimbursement for the cost of remedies paid for by vehicle owners prior to notification of the safety recall will be considered by Ducati based on the general reimbursement plan on file with the agency. 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 from Recalled Component :** Front brake pads will be replaced by spare parts pads; the new front brake pads have a different part number (new Brembo PN.07.9882.39, that correspond to new Ducati PN.61341461A).

**Identify How/When Recall Condition was Corrected in Production :** The new front brake pads present an improvement of the interlayer with positive results from rust ratio testing. The Brembo's supplier Tungaloy Corporation has tested these new brake pads according to the proper procedure of rust ratio test and advised that the results are compliant with the tolerance threshold. The supplier is now manufacturing new front brake pads with the new solution starting from March 2020.

**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 June 2020. Owner notification letters will be mailed within 60 days from submission of this report.

**Planned Dealer Notification Date :** MAY 21, 2020 - MAY 28, 2020

**Planned Owner Notification Date :** JUN 20, 2020 - JUN 27, 2020

\* NR - Not Reported