

Part 573 Safety Recall Report

17V-811

Manufacturer Name : Piaggio Group Americas. Inc.

Submission Date : DEC 15, 2017

NHTSA Recall No. : 17V-811

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Piaggio Group Americas. Inc.

Address : 257 Park Avenue South
4th Floor New York NY 10010

Company phone : 645-0030

Population :

Number of potentially involved : 1,856

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2016-2017 Aprilia 2016 and 2017 RSV4 RR, Factory Superpole, RF Superpole, 2017 Tuono RR, Factory Superpole

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : All Aprilia motorcycles that use a Brembo master cylinder that contains the defective component are subject to this recall.

Production Dates : MAY 14, 2015 - JUL 03, 2017

VIN Range 1 : Begin : Zd4rkub00gs000007 **End :** zd4keu00xhs001016 Not sequential

Description of Defect :

Description of the Defect : Piaggio & C. S.p.A have found that a crack generation on the front brake master cylinder PPS (polyphenylene sulphide) piston connecting the internal pressure area to the external surface.

FMVSS 1 : 122 - Motorcycle brake systems

FMVSS 2 : NR

Description of the Safety Risk : The consequence is that the front brake may not participate in stopping the bike properly. The rear brake is not affected and works properly.

Description of the Cause : The anisotropy of the piston material, in addition to an unfavorable geometric distribution of porosity generated during the injection process, could lead to the failure of the component (crack generation) subject to stress typical of mission profiles such as: use of the vehicle on race tracks, frequent ABS intervention or vehicle ground fall.

Identification of Any Warning that can Occur : As a result, braking can only be performed with the rear brake which may increase stopping distance significantly, which may increase the risk of injury to the rider and/or damage to property.

Supplier Identification :

Component Manufacturer

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

Chronology :

In September of 2016 Piaggio & C. S.p.A received first information from the field about a European market customer's RSV4 RR front brake malfunction. Immediately Piaggio & C. S.p.A started an investigation and analysis with the support of our brake supplier Brembo S.p.A. At the end of November 2017, after Piaggio S.p.A's deep analysis, the cause was detected. On December 15, 2017 Piaggio & C. S.p.A has determined that a safety recall is necessary.

Description of Remedy :

Description of Remedy Program : Official Piaggio dealers will replace the poly metric front master cylinder brake's piston with an aluminum one. This will be performed free of charge. A Manufacturer: Piaggio Group America Recall Bulletin is scheduled to be published to the Piaggio Service Portal 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 : The modified front brake master cylinder's piston has a new design, color, different material and part number.

Identify How/When Recall Condition was Corrected in Production : In the production line, Brembo is now supplying the complete Aluminum front brake master cylinder piston.

Recall Schedule :

Description of Recall Schedule : A Piaggio Group America Recall Bulletin will be published to the network of dealers through the established communication process. We estimate the we will initiate the Recall contact process for all affected motorcycle customers by the second week of January 2018, immediately upon parts becoming available. Owner Notification Letters will be mailed within 60 days of the submission of this report.

Planned Dealer Notification Date : JAN 08, 2018 - JAN 08, 2018
Planned Owner Notification Date : JAN 15, 2018 - FEB 15, 2018

* NR - Not Reported