

# Part 573 Safety Recall Report

# 19V-561

**Manufacturer Name :** Piaggio Group Americas. Inc.**Submission Date :** NOV 04, 2019**NHTSA Recall No. :** 19V-561**Manufacturer Recall No. :** PA2ZZQ1904**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 : 1,701

Estimated percentage with defect : 5 %

**Vehicle Information :**

Vehicle 1 : 2017-2018 Moto Guzzi California 1400

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based statistical analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019.

Ineffective Lever stroke = The initial part of the lever stroke which does not cause braking effect.

There are potentially 133 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part number 887764 and will need a replacement brake master cylinder part number 2B006111.

Production Dates : NOV 29, 2016 - DEC 07, 2017

VIN Range 1 : Begin : ZGULCUB0XHM000002 End : ZGULCUB06JM000178

 Not sequential

Vehicle 2 : 2017-2017 Moto Guzzi MGX 21 Bagger

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based statistical analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019.

Ineffective Lever stroke = The initial part of the lever stroke which does not cause braking effect.

There are potentially 239 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part number 887764 and will need a replacement brake master cylinder part number 2B006111.

Production Dates : JUN 14, 2016 - FEB 13, 2017

VIN Range 1 : Begin : ZGULCUA03HM000005 End : ZGULCUA0XHM000308  Not sequential

Vehicle 3 : 2016-2018 Moto Guzzi Audace 1400

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based statistical analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019.

Ineffective Lever stroke = The initial part of the lever stroke which does not cause braking effect.

There are potentially 191 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part number 887764 and will need a replacement brake master cylinder part number 2B006111.

Production Dates : JUN 13, 2015 - SEP 14, 2017

VIN Range 1 : Begin : zgulcu009gm200001 End : ZGULCU014JM000031  Not sequential

Vehicle 4 : 2016-2018 Moto Guzzi Eldorado 1400

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based statistical analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019.

Ineffective Lever stroke = The initial part of the lever stroke which does not cause braking effect.

There are potentially 241 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part number 887764 and will need a replacement brake master cylinder part number 2B006111.

Production Dates : APR 16, 2015 - SEP 13, 2017

VIN Range 1 : Begin : ZGULVC021GM200001 End : ZGULCUB12JM000039  Not sequential

Vehicle 5 : 2014-2016 Aprilia Dorsoduro 750

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based statistical analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019.

Ineffective Lever stroke = The initial part of the lever stroke which does not cause braking effect.

There are potentially 394 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part number 859781 or 896385 and will need a replacement brake master cylinder part number 2B006115.

Production Dates : APR 03, 2013 - APR 08, 2016

VIN Range 1 : Begin : ZD4SMC013ES000002 End : ZD4SMC017GS000586  Not sequential

Vehicle 6 : 2018-2019 Aprilia Dorsoduro 900

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based statistical analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019.

Ineffective Lever stroke = The initial part of the lever stroke which does not cause braking effect.

There are potentially 204 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part number 896385 and will need a replacement brake master cylinder part number 2B006115.

Production Dates : JUN 29, 2017 - APR 10, 2019

VIN Range 1 : Begin : ZD4KBU009JS000003 End : ZD4KBU009KS000293  Not sequential

Vehicle 7 : 2018-2018 Aprilia Shiver 900

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based statistical analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019.

Ineffective Lever stroke = The initial part of the lever stroke which does not cause braking effect.

There are potentially 189 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part number 896385 and will need a replacement brake master cylinder part number 2B006115.

Production Dates : JUL 29, 2017 - APR 06, 2018

VIN Range 1 : Begin : ZD4KHU009JS000002 End : ZD4KHU003JS000321  Not sequential

Vehicle 8 : 2013-2014 Aprilia Mana 850

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

**Descriptive Information :** The recall population was determined based on analysis of defectiveness recorded data, based on the worldwide market for each brand. The part has been changed with a sufficient ineffective lever stroke value on the assembly line as of April 2019. Ineffective Lever Stroke = The initial part of the lever stroke which does not cause braking effect. There are potentially 110 vehicles affected of this model in the US market. 100% of these vehicles will be recalled and checked by our dealer network. We expect to find 5% of the checked vehicles to not pass the tolerance check of part numbers 859781 and will need a replacement brake master cylinder part number 2B006874.

Production Dates : FEB 13, 2013 - JUL 26, 2013

VIN Range 1 : Begin : ZD4RCC019DS000327 End : ZD4RCC019ES000457  Not sequential

## Description of Defect :

**Description of the Defect :** Possible non-conformity of the front brake master cylinder, which under certain use conditions (the front brake master cylinder may not have sufficient ineffective lever stroke (ineffective stroke = initial part of the lever stroke which does not cause braking effect) could lead to a progressive auto-activation of the brake itself until the vehicle stops with a potential impact on safety.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** The vehicle progressively slows down and maybe stops without activation of the rear stop light.

**Description of the Cause :** The front brake master cylinder may not have sufficient ineffective lever stroke (ineffective stroke = initial part of the lever stroke which does not cause braking effect).

**Identification of Any Warning that can Occur :** If the vehicle is stopped it will be difficult to move by hand with the gearbox in the neutral position. If the vehicle is running it will progressively slow down, or will require opening the throttle to maintain speed.

## Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

## Supplier Identification :

### Component Manufacturer

Name : Heng Tong Auto Parts Inc.

Address : No.4, Ting-An Rd., Chung Li District  
Taoyuan City FOREIGN STATES 32061

Country : Taiwan, Province of China

## Chronology :

June 2019

Piaggio recorded from the market the first two cases of accident due to self-braking event during normal running. Details:

On 06/18/2019 an Aprilia Dorsoduro ZD4SMA000FS002626 a customer had an injury accident in Macedonia.

On 06/11/2019 a Moto Guzzi MGX-21 ZGULCA003HM000344 a customer had an injury accident in Russia.

Due to the above two events, Piaggio activated in July 2019 a safety recall campaign regarding the master cylinder.

The world wide warranty claim history and information on the factory quality checks have been added in attachments.

## Description of Remedy :

**Description of Remedy Program :** A check will be made on the front master cylinder and if found defective will be replaced by our official Moto Guzzi or Aprilia dealer network. This will be performed free of charge. Piaggio Group Americas 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 upon NHTSA approval.

The owners of all affected vehicles will be contacted by mail and asked to take their Moto Guzzi motorcycle to an authorized Moto Guzzi dealer and Aprilia motorcycle to an Aprilia authorised dealer who is qualified to work on these models. The dealer will check and replace the defective component as explained in the dealer bulletin at no charge to the customer.

To address this situation, Piaggio Group Americas, Inc. will conduct a recall of all affected Moto Guzzi Audace 1400, California 1400, Eldorado 1400, MGX 21 Bagger 1400, Aprilia Mana 850, Dorsoduro 750, Dorsoduro 900 and Shiver 900 models within the affected VIN range. Piaggio Group Americas, Inc., through the qualified dealer network, will check, using the proper measurements and replace the master cylinder if found to not be within specification. This repair campaign will eliminate any potential safety risk.

**How Remedy Component Differs from Recalled Component :** The recalled component part number 887764 has been replaced with new part number 2B006111 that has been designed with a stable and reliable production process and a new range of tolerance for the ineffective stroke for affected Moto Guzzi models.

The recalled component part number 859781 has been replaced with new part number 2B006874 that has been designed with a stable and reliable production process and a new range of tolerance for the ineffective stroke for affected Aprilia Mana models.

The recalled component part number 859781 or 896385 has been replaced with new part number 2B006115 that has been designed with a stable and reliable production process and a new range of tolerance for the ineffective stroke for affected Aprilia Dorsoduro 750 models.

The recalled component part number 896385 has been replaced with new part number 2B006115 that has been designed with a stable and reliable production process and a new range of tolerance for the ineffective stroke for affected Aprilia Dorsoduro 900 and Shiver 900 models.

**Identify How/When Recall Condition was Corrected in Production :** In April 2019 the manufacturer switched to the new front brake master cylinder part number 2B006111, 2B006115 and 2B006874 with a new range of tolerance for the ineffective stroke.

## Recall Schedule :

**Description of Recall Schedule :** We will load the Dealer Notifacation and the Owner Notifacation on the NHTSA portal next week. We will load the Dealer Notifacation by August

13th or as soon as we have NHTSA approval for the Bulletin and Owners Notification.

Planned Dealer Notification Date : AUG 13, 2019 - AUG 13, 2019

Planned Owner Notification Date : AUG 13, 2019 - SEP 20, 2019

\* NR - Not Reported