

Part 573 Safety Recall Report

22V-217

Manufacturer Name : Piaggio Group Americas, Inc.

Submission Date : APR 01, 2022

NHTSA Recall No. : 22V-217

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 : 949-645-0030

Population :

Number of potentially involved : 27

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2021 Piaggio MP3 500 HPE

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : Brake system inefficiency: the inefficiency is a consequence of an excessive stroke on brake levers/pedal, and it occurs after an extended period of stop.

We have received warranty claims from our dealer network that the front and in some cases rear brake levers have extended play after a prolonged period of inactivity. Excessive play on brake levers can cause reduced braking efficiency consequently.

Introduction of dehydrogenation (DH) treatment on mass production, also confirmed from the absence of warranties in the field.

The vehicles that are not affected have brake pipes with DH treatment.

Production Dates : JUL 10, 2020 - DEC 18, 2020

VIN Range 1 : Begin : ZAPTA10X5L5000143 **End :** ZAPTA10XXM5000172 ☒ Not sequential

Description of Defect :

Description of the Defect : Brake system inefficiency: the inefficiency is a consequence of an excessive stroke on brake levers/pedal, and it occurs after an extended period of stop.

FMVSS 1 : 105 - Hydraulic and electric brake systems

FMVSS 2 : 106 - Brake hoses

Description of the Safety Risk : An increase in the brake lever/pedal travel required to decelerate the vehicle can cause reduced braking efficiency that could potentially cause loss of control or a crash.

Description of the Cause : Non-conformity of the zinc plating surface treatment on the brake hose terminals.

The hydrogen presents in the hose terminals is released as a bubble causing an

inefficiency on the brake system.

Identification of Any Warning that can Occur : Excessive stroke in the brake levers/pedal with low pressure could be found after long periods of inactivity.

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : JJUAN S.A

Address : Poligono Industrial Camí Ral
Gava Foreign States 8850

Country : Spain

Chronology :

Warranty monitoring; from 05/25/2021 there have been new warranties about to excessive play in the brake levers/pedal after the vehicle has been sitting for an extended period.

Description of Remedy :

Description of Remedy Program : REASON FOR THIS RECALL Piaggio has decided that a defect, which relates to motor vehicle safety, exists in a specific range of Piaggio scooters as noted below • 2020 MP3 500 HPE models • 2021 MP3 500 HPE models In the affected range, Piaggio has identified the possibility of a non-conformity in the zinc plating surface treatment on the brake hose terminal fittings. This can cause a chemical reaction with the brake fluid itself and result in excessive travel from the front or rear brake lever and pedal. This situation can cause limited braking and stopping ability and can lead to a loss of control or a crash. According to vehicle registration records, you are the owner of a vehicle that falls within this affected VIN range. WHAT WE WILL DO To address this situation, Piaggio will conduct a recall of the models within the affected VIN range. Piaggio, through the qualified dealer network will perform a complete brake system flush. This repair campaign will eliminate any potential safety risk. The work required by this recall may be completed by your qualified Piaggio/Vespa dealer at no charge to you for the required parts and labor.

How Remedy Component Differs from Recalled Component : DH treatment on brake pipes.

Identify How/When Recall Condition was Corrected in Production : Internal definite solution: DH treatment on brake pipes (from Jan-21)

Recall Schedule :

Description of Recall Schedule : We will post the technical bulletin for our dealers no later than 04/11/2022 and we will send the customer letters before or by 04/18/2022.

Planned Dealer Notification Date : APR 11, 2022 - APR 11, 2022

Planned Owner Notification Date : APR 18, 2022 - APR 18, 2022

* NR - Not Reported