

Part 573 Safety Recall Report

19V-826

Manufacturer Name : Piaggio Group Americas. Inc.

Submission Date : DEC 05, 2019

NHTSA Recall No. : 19V-826

Manufacturer Recall No. : PP2ZZQ1904_GTS



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 : 1,328

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2019 Piaggio Vespa GTV

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : 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 as a consequence. The factory conducted testing and found that there was an incorrect galvanization process of the brake pipe terminals. The protective zinc layer used for surface treatment of the brake pipe terminals were found to have an irregular surface, this allows hydrogen to remain inside the surface during the treatment process that releases in the brake fluid causing hydrogen to release inside of the braking system. The vehicle that are not affected have brake lines that had a proper galvanization process. there were 1328 affected Vespa GTS/GTV 300 units in the US market.

Production Dates : OCT 01, 2018 - DEC 05, 2018

VIN Range 1 : Begin : ZAPMA39L7K5400297 **End :** ZAPMA39L8K5400339 ☒ Not sequential

Vehicle 2 : 2019-2019 Piaggio Vespa GTS 300

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : 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 as a consequence. The factory conducted testing and found that there was an incorrect galvanization process of the brake pipe terminals. The protective zinc layer used for surface treatment of the brake pipe terminals were found to have an irregular surface, this allows hydrogen to remain inside the surface during the treatment process that releases in the brake fluid causing hydrogen to release inside of the braking system. The vehicle that are not affected have brake lines that had a proper galvanization

process. there were 1328 affected Vespa GTS/GTV 300 units in the US market.

Production Dates : OCT 01, 2018 - DEC 07, 2018

VIN Range 1 : Begin : ZAPMA39L9K5300217 End : ZAPMA39L0K5201351 ☒ Not sequential

Vehicle 3 : 2020-2020 Piaggio Vespa GTS 300 HPE

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : 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 as a consequence. The factory conducted testing and found that there was an incorrect galvanization process of the brake pipe terminals. The protective zinc layer used for surface treatment of the brake pipe terminals were found to have an irregular surface, this allows hydrogen to remain inside the surface during the treatment process that releases in the brake fluid causing hydrogen to release inside of the braking system. The vehicle that are not affected have brake lines that had a proper galvanization process. there were 1328 affected Vespa GTS/GTV 300 units in the US market.

Production Dates : MAR 12, 2019 - SEP 06, 2019

VIN Range 1 : Begin : ZAPMA39M5L5300001 End : ZAPMA39M8L5200717 ☒ Not sequential

Description of Defect :

Description of the Defect : There may be a possible non-conformity of the zinc plating surface treatment of the brake hose terminals which may result in an increase in the brake lever travel required to decelerate the vehicle. This issue only occurs after prolonged periods with the vehicle not in use.

FMVSS 1 : 122 - Motorcycle brake systems

FMVSS 2 : 106 - Brake hoses

Description of the Safety Risk : An increase in the brake lever travel required to decelerate the vehicle can cause reduced braking efficiency that could potentially cause an accident resulting in injury or death.

Description of the Cause : The factory conducted testing and found that there was an incorrect galvanization process of the brake pipe terminals. The protective zinc layer used for surface treatment of the brake pipe terminals were found to have an irregular surface, this allows hydrogen to remain inside the surface during the treatment process that releases in the brake fluid causing hydrogen to release inside of the braking system. The vehicles that are not affected have brake lines that had a proper galvanization process.

Identification of Any Warning that can Occur : Excessive play in the brake levers after the vehicle has been sitting for an extended period of time.

Supplier Identification :**Component Manufacturer**

Name : JJUAN S.A

Address : Poligono Industrial Camí Ral
BARCELONA FOREIGN STATES 08850

Country : Spain

Chronology :

We will submit an attached document

Description of Remedy :

Description of Remedy Program : REASON FOR THIS RECALL

Piaggio USA has decided that a defect, which relates to motor vehicle safety, exists in a specific range of Vespa scooters as noted below

- Select 2019 GTS/GTV 300 models
- Select 2020 GTS 300 HPE models

In the affected range, Piaggio USA 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. 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 USA will conduct a recall of the aforementioned models within the affected VIN range. Piaggio USA, through the qualified dealer network will install master cylinder bleed fittings on the front and rear master cylinders along with performing 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. The work time for the repair is approximately 100 minutes.

How Remedy Component Differs from Recalled Component :

Internal definite solution; new brake pipes PN. 1C003741 - 1C003737 - 1C003739 - 1C003699 - 1C003738
Supplier "JJ Spain". In replacement of PN. 1C003409 - 1C002323 - 1C002749 - 1C002755 - 1C003699
Production Date: 11/18/2019 from VIN: ZAPMA360000020708

Identify How/When Recall Condition was Corrected in Production :

Internal temporary solution: 100% sight selection in production line of components (VIN ZAPMA370000005204 date 10/29/2019
Internal definite solution; new brake pipes PN. 1C003741 - 1C003737 - 1C003739 - 1C003699 - 1C003738
Supplier "JJ Spain". In replacement of PN. 1C003409 - 1C002323 - 1C002749 - 1C002755 - 1C003699 Production Date: 11/18/2019 from VIN: ZAPMA360000020708

Internal temporary solution: 100% sight selection in production line of components (VIN ZAPMA370000005204 date 10/29/2019 .

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NOV 25, 2019 - NOV 25, 2019

Planned Owner Notification Date : NOV 27, 2019 - JAN 24, 2020

* NR - Not Reported