

Part 573 Safety Recall Report

21V-315

Manufacturer Name : Ducati North America

Submission Date : JUL 01, 2021

NHTSA Recall No. : 21V-315

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Ducati North America

Address : 1292 Reamwood Avenue
Sunnyvale CA 94089

Company phone : 650-933-9800

Population :

Number of potentially involved : 5,995

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2017-2020 Ducati Monster 797

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined based upon a review of warranty and other consumer complaint records to identify populations that, due to brake system architecture, may experience a greater susceptibility to excessive gas permeation through the rear brake hose material compared to other models. Monster 797 MY 2017-2020 (1413) vehicle count: 1.457. (Only vehicles that did not previously have TSB SRV-TSB-20-002 CR188 applied are included.)

Production Dates : FEB 09, 2017 - MAR 25, 2020

VIN Range 1 : Begin : ZDMMADBM2HB000091 End : MLOMADBM5LT003890 ☒ Not sequential

Vehicle 2 : 2016-2020 Ducati XDiavel

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined based upon a review of warranty and other consumer complaint records to identify populations that, due to brake system architecture, may experience a greater susceptibility to excessive gas permeation through the rear brake hose material compared to other models. XDiavel MY 2016-2020 (1207) vehicle count: 1.131. (Only vehicles that did not previously have TSB SRV-TSB-19-012 CR186 performed are included.)

Production Dates : NOV 21, 2015 - OCT 28, 2019

VIN Range 1 : Begin : ZDM13BKW8GB000064 End : ZDM13BKW9LB011343 ☒ Not sequential

Vehicle 3 : 2018-2020 Ducati Monster 821

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined based upon a review of warranty and other consumer complaint records to identify populations that, due to brake system architecture, may experience a greater susceptibility to excessive gas permeation through the rear brake hose material compared to other models. Monster 821 MY 2018-2020 (1502) vehicle count: 925. (Only vehicles that did not previously have TSB SRV-TSB-20-004 CR191 applied are included.)

Production Dates : OCT 23, 2017 - FEB 27, 2020

VIN Range 1 : Begin : ZDMMACLSXJB000112 End : ZDMMACLS6LB007853 ☒ Not sequential

Vehicle 4 : 2017-2020 Ducati Monster 1200

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined based upon a review of warranty and other consumer complaint records to identify populations that, due to brake system architecture, may experience a greater susceptibility to excessive gas permeation through the rear brake hose material compared to other models. Monster 1200 MY 2017-2020 (1406) vehicle count: 697. (Only vehicles that did not previously have TSB SRV-TSB-20-006 CR193 applied are included.)

Production Dates : DEC 21, 2016 - MAR 03, 2020

VIN Range 1 : Begin : ZDMMACFW9HB023731 End : ZDMMACFW1LB025823 ☒ Not sequential

Vehicle 5 : 2017-2020 Ducati Supersport

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was determined based upon a review of warranty and other consumer complaint records to identify populations that, due to brake system architecture, may experience a greater susceptibility to excessive gas permeation through the rear brake hose material compared to other models. SuperSport MY 2017-2020 (1312) vehicle count: 1.783. (Only vehicles that did not previously have TSB SRV-TSB-20-008 CR195 applied are included.)

Production Dates : FEB 08, 2017 - JUN 29, 2020

VIN Range 1 : Begin : ZDMVABDS7HB000124 End : ZDMVABDSXLB009828 ☒ Not sequential

Description of Defect :

Description of the Defect : Due to a combination of factors, these bikes exhibit a greater susceptibility to air permeation into the rear brake system, reducing rear brake effectiveness.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If this condition remains undetected, a rider who relies upon rear braking may experience extended stopping distances, increasing the risk of a crash. The front and rear systems on these bikes are hydraulically independent; therefore, performance of the front brake, which provides full stopping ability, is not affected.

Description of the Cause : The causal or contributory factors are: (1) excessive gas permeation into the rear brake hose due to brake system architecture; (2) long periods of riding time without application of pressure inside the rear brake hose; and/or (3) long periods of time without using the motorcycle.

Identification of Any Warning that can Occur : If this issue develops during normal use, it develops gradually, providing sufficient warning to the operator that rear braking performance may be degrading. If this issue develops after long periods of time without using the motorcycle, the rider during the pre-ride check (as recommended in the Owner's manual) would be warned by an increase of the rear brake pedal stroke.

Involved Components :

Component Name 1 : Rear Brake Hose

Component Description : Rear Brake Hose from rear brake master cylinder to ABS control unit

Component Part Number : NR

Component Name 2 : Rear Brake Hose

Component Description : Rear Brake Hose from ABS control unit to rear brake caliper

Component Part Number : NR

Supplier Identification :**Component Manufacturer**

Name : NR

Address : NR

NR
Country : NR

Chronology :

February 2020: Ducati had discussions with NHTSA ODI regarding owner reports (VOQs) describing degraded rear brake performance due to air in the rear brake system.

April 2020: Ducati initiated a tracked TSB campaign for the subject vehicles to replace the PTFE hoses on the subject models with PA 11/12 hoses, which have a lower permeation effect than traditional PTFE.

February 18, 2021: NHTSA ODI opened PE21-003 to evaluate this issue, citing additional owner reports following issuance of the TSBs.

February - April 2021: Ducati shared data and other information with NHTSA ODI, and Ducati and NHTSA ODI held several technical discussions. Ducati conducted further reviews and analyses to supplement its investigation of this issue. Based upon its investigation, Ducati believes that various causal or contributory factors, in combination, contribute to the experience reported by riders of certain models at greater frequency or to a greater degree than other models, including (i) brake system architecture rendering some models more susceptible to excessive gas permeation through the rear brake hose material compared to other models, and (ii) long periods of non-use of the rear brake system, including extended periods during which the bike is not in use and extended periods of non-use of the rear brake during operation.

May 3, 2021: Although the field data indicate that this condition does not “relate to motor vehicle safety” (as this phrase is defined in the Safety Act), in a good faith effort to address NHTSA’s concerns about this issue in the subject models, Ducati’s Internal Safety Commission decided to conduct a safety recall for the subject vehicles, which were covered by the previously issued TSBs.

Ducati reports the lack of injury claims that were found to relate to this issue.

On May 21st, 2021 after review of the data and failure rate analysis, DNA has decided to issue technical service bulletins (TSBs) to cover other specific existing models.

Description of Remedy :

Description of Remedy Program : Ducati will notify dealers and owners of this recall in accordance with the notification schedule. Dealers will be instructed to install new rear brake hoses, free of charge, per Ducati North America Recall Bulletins, which will be published to the Ducati Dealer Network using the established communication process. Requests for reimbursement for pre-notification repairs will be considered in accordance with Ducati’s general reimbursement plan on file with the agency.

How Remedy Component Differs from Recalled Component : The remedy rear brake hoses use a different material.

Identify How/When Recall Condition was Corrected in Production : The remedy rear brake hoses were introduced in production at different times depending on the model.

Recall Schedule :

Description of Recall Schedule : Ducati North America Recall Bulletins 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 June 2021. Owner notification letters will be mailed within 60 days from submission of this report.

Planned Dealer Notification Date : JUN 14, 2021 - JUN 18, 2021

Planned Owner Notification Date : JUN 28, 2021 - JUL 02, 2021

* NR - Not Reported