



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V570

Manufacturer Name: Ducati North America

Submission Date: Sep 03, 2025

NHTSA Recall No.: 25V570

Manufacturer Recall No.: SRV-RCL-25-002

Manufacturer Information

Population

Manufacturer Name: Ducati North America

Address: 1292 Reamwood Avenue
Sunnyvale CA, 94089

Total number of potentially involved: 10,182

Estimated percentage with defect: 0.1%

Vehicle Information

Vehicle 1: 2020-2021 Ducati Panigale V4 SL

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Nov 24, 2020 - Jun 12, 2021

Number of potentially involved: 702

Descriptive Information:

In September 2023, Ducati received the initial report of a rear wheel shaft failure. Ducati's internal safety commission reviewed and monitored available data and that of subsequent reports received in November 2023 (all from non-US markets). A total of 11 worldwide cases plus some core samplings were examined. Various testing and analysis efforts failed to replicate the failure and proved inconclusive. Nonetheless, out of abundant precaution, a more robust wheel shaft was implemented into production and 10,182 postproduction units will be recalled for rear wheel shaft replacement, free of charge.

Vehicle 2: 2019-2024 Ducati Panigale V4 R

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Nov 24, 2018 - Jun 12, 2024

Number of potentially involved: 2,106

Descriptive Information:

In September 2023, Ducati received the initial report of a rear wheel shaft failure. Ducati's internal safety commission reviewed and monitored available data and that of subsequent reports received in November 2023 (all from non-US markets). A total of 11 worldwide cases plus some core samplings were examined. Various testing and analysis efforts failed to replicate the failure and proved

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inconclusive. Nonetheless, out of abundant precaution, a more robust wheel shaft was implemented into production and 10,182 postproduction units will be recalled for rear wheel shaft replacement, free of charge.

Vehicle 3: 2018-2024 Ducati Panigale V4 S

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Nov 24, 2017 - Jun 12, 2024

Number of potentially involved: 3,162

Descriptive Information:

In September 2023, Ducati received the initial report of a rear wheel shaft failure. Ducati's internal safety commission reviewed and monitored available data and that of subsequent reports received in November 2023 (all from non-US markets). A total of 11 worldwide cases plus some core samplings were examined. Various testing and analysis efforts failed to replicate the failure and proved inconclusive. Nonetheless, out of abundant precaution, a more robust wheel shaft was implemented into production and 10,182 postproduction units will be recalled for rear wheel shaft replacement, free of charge.

Vehicle 4: 2018-2019 DUCATI PANIGALE V4 S

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Nov 24, 2017 - Jun 12, 2019

Number of potentially involved: 1,404

Descriptive Information:

In September 2023, Ducati received the initial report of a rear wheel shaft failure. Ducati's internal safety commission reviewed and monitored available data and that of subsequent reports received in November 2023 (all from non-US markets). A total of 11 worldwide cases plus some core samplings were examined. Various testing and analysis efforts failed to replicate the failure and proved inconclusive. Nonetheless, out of abundant precaution, a more robust wheel shaft was implemented into production and 10,182 postproduction units will be recalled for rear wheel shaft replacement, free of charge.

Vehicle 5: 2023-2025 DUCATI STREETFIGHTER

Product Category: Motorcycles

Product Type: Motorcycles

Fuel / Propulsion: Spark Ignition Fuel

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In September 2023, Ducati received the initial report of a rear wheel shaft failure. Ducati's internal safety commission reviewed and monitored available data and that of subsequent reports received in November 2023 (all from non-US markets). A total of 11 worldwide cases plus some core samplings were examined. Various testing and analysis efforts failed to replicate the failure and proved inconclusive. Nonetheless, out of abundant precaution, a more robust wheel shaft was implemented into production and 10,182 postproduction units will be recalled for rear wheel shaft replacement, free of charge.

Vehicle 6: 2018-2024 DUCATI PANIGALE V4**Product Category:** Motorcycles**Product Type:** Motorcycles**Fuel / Propulsion:** Spark Ignition Fuel**Production Dates:** Nov 24, 2017 - Jun 12, 2024**Number of potentially involved:** 2,106**Descriptive Information:**

In September 2023, Ducati received the initial report of a rear wheel shaft failure. Ducati's internal safety commission reviewed and monitored available data and that of subsequent reports received in November 2023 (all from non-US markets). A total of 11 worldwide cases plus some core samplings were examined. Various testing and analysis efforts failed to replicate the failure and proved inconclusive. Nonetheless, out of abundant precaution, a more robust wheel shaft was implemented into production, and 10,182 postproduction units will be recalled for rear wheel shaft replacement, free of charge.

Vehicle 7: 2020-2022 DUCATI STREETFIGHTER V4**Product Category:** Motorcycles**Product Type:** Motorcycles**Fuel / Propulsion:****Production Dates:** Feb 12, 2020 - Jun 12, 2022**Number of potentially involved:** 1,053**Descriptive Information:**

In September 2023, Ducati received the initial report of a rear wheel shaft failure. Ducati's internal safety commission reviewed and monitored available data and that of subsequent reports received in November 2023 (all from non-US markets). A total of 11 worldwide cases plus some core samplings were examined. Various testing and analysis efforts failed to replicate the failure and proved inconclusive. Nonetheless, out of abundant precaution, a more robust wheel shaft was implemented into production and 10,182 postproduction units will be recalled for rear wheel shaft replacement, free of charge.

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Defect / Noncompliance Description

Description of the defect or noncompliance:

The rear wheel shaft (axle) could lose its structural integrity and break.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

If the loss of structural integrity of the rear wheel shaft remains undetected, it may break while riding, which can result in loss of control of the motorcycle while riding and increase the risk of a crash and injury.

Description of the cause:

The rear wheel shaft has been machined in a way that may not be sufficiently robust in relation to some of the stressed conditions, especially due to the installation layout on these specific models.

The analysis shows that this phenomenon is influenced by mileage, the type of use of the motorcycle, and compliance with recommended maintenance and/or observance of the correct tightening procedures and values for the components involved (e.g. tensioning the drive chain or replacing the rear sprocket by over tightening of the single-sided swingarm screws or rear sprocket nut).

Identification of any warning that can occur:

While riding, the customer may notice abnormal noise and/or vibrations coming from the rear part of the motorcycle.

Component Manufacturer

Tier of Supplier: Tier 2

Supplier Type: OEM

Name: Russ Tiger Enterprise Co., Ltd.

Address: No. 268, Changping E. 7th Rd
Beitun Dist
Taichung City Foreign States, 406048

Country: Taiwan, Province Of China

Tier of Supplier: Tier 1

Supplier Type: OEM

Name: Hero Motors Limited

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Address: 10th Km Stone, GT Road, PO Dujana-203207
Gautam Budh Nagar,
District Dadri Foreign States, 203207

Country: India

Involved Components

Component Name 1: Rear wheel shaft

Component Description: Rear wheel shaft - rear axle

Component Part Number: 81920831AA

Component Name 2: Rear wheel shaft

Component Description: Rear wheel shaft - rear axle

Component Part Number: 81920611A

Chronology

September 2023, Ducati received an isolated report of a problem on a motorcycle (outside the US market).

September 2023 to November 2023 an extensive analysis was immediately launched, covering not only the case in question but also all warranties, early warnings, and single cases, as well as an analysis of new components. The analysis did not reveal any similar cases, so the case was classified as a single case.

November 2023 to August 2025 After receiving additional field reports from foreign markets, a further investigation was carried out, and every single case of a problem with the rear wheel shaft was analyzed.

The internal analysis was complex because it was influenced by external factors such as the correct maintenance of the vehicle during the secondary transmission tensioning and/or replacement due to wear and related tightening of the wheel hub eccentric screws and crown nut.

Various FEM analyses were carried out to investigate the influences on the defect.

February 2024 to August 2025 Various tests were carried out on internal and external dynamic fatigue simulation benches (5 different benches) with different components and different applications of forces, over-tightening and under-tightening of components.

Although these tests simulated stresses with loads and conditions far exceeding those to which the component is subjected to the vehicle, Ducati were not able to replicate the issue.

June 2024, it was decided to introduce a new, more robust component into production, in line with state-of-the-art. The more robust rear shaft was introduced into production June 2024 even if the failure mode was not understood at that moment.

All the above tests were not conclusive, that's why Ducati decided to do a field sample test.

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September 2024, it was decided to carry out core sampling on a fleet of motorcycles in selected markets, where a considerable number of high-mileage components were replaced and analyzed to verify their condition.

July 2025, a series of internal vehicle tests were also carried out on the track with instrumented rear wheel shaft.

July 2025, it was decided to stop the sampling collection and to analyze all the samples collected parts result to draw conclusions.

A total of 11 cases were analyzed worldwide, plus 3 cases out of the samples test (these cases were not related to a complete failure but to an initial stage of the issue). Ducati has no cases from USA market.

Due to the increase in field cases, as an out of an abundance of caution, on August 26, 2025, Ducati Motor Holding's internal safety commission, based on the information developed during the investigation and related sampling collection, decided to launch a worldwide recall campaign to address this condition in the affected population.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Replace

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Ducati North America will notify dealers and owners of this recall in accordance with the notification schedule. Dealers will be instructed to replace the rear wheel shaft, free of charge, per Ducati North America Recall Bulletins, which will be published to the Ducati Dealer Network using the established communication process. The repair takes approximately 90 minutes.

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 component is machined in such a way that the notch effect is reduced in the cross-section area where the failure occurs. Furthermore, the remedy component has an increased inertia moment (increasing the thickness) in the cross-section area where the failure occurs. Both actions render the remedy component more robust.

Identify how/when recall condition was corrected in production:

The same remedy has been implemented to Ducati Motor Holding production line since June, 2024.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

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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 owners during September 2025, but no later than 60 days from submission of this report.

Planned Dealer Notification Date: Sep 11, 2025 - Sep 18, 2025☐ No Dealers**Planned Interim Owner Notification Date:**☐ No Owners**Planned Remedy Owner Notification Date:** Sep 25, 2025 - Oct 02, 2025☐ Phased Recall**Date when VIN will be searchable:** Sep 11, 2025