

Part 573 Safety Recall Report

20V-236

Manufacturer Name : Triumph Motorcycles America, LTD

Submission Date : MAY 01, 2020

NHTSA Recall No. : 20V-236

Manufacturer Recall No. : SRAN 579



Manufacturer Information :

Population :

Manufacturer Name : Triumph Motorcycles America, LTD

Address : 100 Hartsfield Centre Parkway

Suite 200 Atlanta GA 30354

Company phone : 678-854-2010

Number of potentially involved : 3,691

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2018-2019 Triumph Street Triple RS

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : JAN 07, 2017 - FEB 21, 2019

VIN Range 1 : Begin : SMTA464S7JT810654 **End :** SMTA464S1KT944996 Not sequential

Vehicle 2 : 2020-2020 Triumph Street Triple RS

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : SEP 03, 2019 - APR 08, 2020

VIN Range 1 : Begin : SMTA554S8LT974456 **End :** SMTA554S0LTAB8581 Not sequential

Vehicle 3 : 2019-2020 Triumph Speed Triple S

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : APR 09, 2018 - JAN 31, 2020

VIN Range 1 : Begin : SMTN52P4XKJ899461 **End :** SMTN52P42LJAA2195 Not sequential

Vehicle 4 : 2019-2020 Triumph Speed Triple RS

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : APR 04, 2018 - JAN 31, 2020

VIN Range 1 : Begin : SMTN53P48KJ898315 End : SMTN53P45LJAA2214 Not sequential

Vehicle 5 : 2018-2019 Triumph Tiger 1200 XR

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : NOV 23, 2017 - OCT 10, 2018

VIN Range 1 : Begin : SMTF40XB9JJ865570 End : SMTF40XB4KJ919567 Not sequential

Vehicle 6 : 2018-2019 Triumph Tiger 1200 XR_x

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : NOV 23, 2017 - DEC 10, 2018

VIN Range 1 : Begin : SMTF42XBXJJ865735 End : SMTF42XB8KJ930292 Not sequential

Vehicle 7 : 2018-2020 Triumph Tiger 1200 XC_x

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : NOV 27, 2017 - OCT 15, 2019

VIN Range 1 : Begin : SMTF43XB6JJ866189 End : SMTF43XB5LJ979716 Not sequential

Vehicle 8 : 2018-2019 Triumph Tiger 1200 XRT

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : NOV 22, 2017 - MAR 04, 2019

VIN Range 1 : Begin : SMTF44XB3JJ865409 End : SMTF44XB9KJ947971 Not sequential

Vehicle 9 : 2018-2020 Triumph Tiger 1200 XCA

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : NOV 23, 2017 - OCT 14, 2019

VIN Range 1 : Begin : SMTF45XB9JJ865579 End : SMTF45XB2LJ979510 Not sequential

Vehicle 10 : 2018-2019 Triumph Tiger 1200 XRx LRH

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : NOV 15, 2017 - JAN 09, 2019

VIN Range 1 : Begin : SMTF46XBXJJ864284 End : SMTF46XB7KJ934647 Not sequential

Vehicle 11 : 2020-2020 Triumph Tiger 1200 Alpine Edition

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : JAN 10, 2020 - JAN 20, 2020

VIN Range 1 : Begin : SMTF42XB5LJ997241 End : SMTF42XB9LJ999168 Not sequential

Vehicle 12 : 2020-2020 Triumph Tiger 1200 Desert Edition

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : The recall population was based upon a review of factory records.

Production Dates : JAN 07, 2020 - JAN 21, 2020

VIN Range 1 : Begin : SMTF43XB3LJ996370 End : SMTF43XB9LJ999466 Not sequential

Description of Defect :

Description of the Defect : The front brake pads could have potential issues involving detachment of brake pad friction material from the back plate, especially but not exclusively when used in a corrosive environment.
As a consequence, the vehicle front brake performance could be compromised in vehicles.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In case of detachment of the front brake pads friction material from the back plate, the distance between the braking plate and disc cannot be balanced with a single action on the brake master cylinder. As a consequence, potentially defective pads can lead to an inadequate deceleration of the vehicle. Systems assembled with unaffected brake pads maintain their required performance. However, there may be an increased risk of driver injury and/or vehicle damage even if only one brake has an affected brake pad.

Description of the Cause : The supplier has advised that the root cause is linked to the following factors:

(i) high concentration of Nickel in the compound does not favor the sintering process on the back plate and consequently causes a reduction of the adhesive area percentage;

(ii) high porosity of the compound that allows infiltration of salt and water at the interface between the compound and back plate; and

(iii) micro cracks on the back plate copper surface which promote the penetration of salt and water. As a result, the level of corrosion of the brake pads is higher than the maximum acceptable and indicated in the related drawing. This may result in high corrosion of the brake pads and, as a consequence, the detachment from the back plate during vehicle use, specifically in corrosive environment.

Identification of Any Warning that can Occur : The failure may occur without any warning to the driver.

Involved Components :

Component Name 1 : Brake pad

Component Description : Brake pad set, front (Brembo)

Component Part Number : T2021541

Component Name 2 : Brake pad

Component Description : Brake pad set, front (Brembo)

Component Part Number : T2022475

Supplier Identification :

Component Manufacturer

Name : Brembo S.P.A.
Address : via Brembo 25
Curno (Bergamo) FOREIGN STATES 24035
Country : Italy

Chronology :

September 2019: Triumph informs Brembo of a single front brake pad friction material detachment event in the field. No injuries reported. Triumph request pad be returned for examination.

October 2019: Triumph despatches returned pad to Brembo. Brembo initiates failure investigation.

November 2019: Brembo provides the brake pad received from Triumph to the brake pad manufacturer in order to analyze the sample together with the brake pad for further examination and analysis including with reference to rust ratio test.

January 2020: Triumph informs Brembo of other 12 episodes of front brake pads friction material separation during vehicle use. No injuries reported. Brembo continues to support brake pad manufacturer in searching the root cause.

Jan to April 2020: Investigations continues. Closed: the root cause was identified as above (please refer to "Describe the cause" above).

Brake pad manufacturer informs Brembo that a world-wide safety recall campaign is necessary for all Tungaloy Pads manufactured since September 2016.

20th April 2020: Triumph informed by Brembo of recommendation to replace certain front brake pads in service.

Description of Remedy :

Description of Remedy Program : Owners will be instructed to bring their motorcycles to a Triumph dealer to have the front brake pads replaced free of charge (parts and labour). Triumph Safety Recall Action Notice 579 refers.

How Remedy Component Differs from Recalled Component : Triumph dealers will replace all the affected brake pads with replacement pads presenting an improvement of the interlayer with positive results from rust ratio testing. Tungaloy Corporation has tested these new brake pads according to the proper procedure of rust ratio test and advised that the results are compliant with the tolerance threshold.

Identify How/When Recall Condition was Corrected in Production : The condition was corrected in production on (date) at VIN (TBC) by use of front brake caliper assemblies fitted with remedy condition brake pads.

Recall Schedule :

Description of Recall Schedule : The planned notification dates are an estimate and may be revised.

Planned Dealer Notification Date : JUN 22, 2020 - JUN 22, 2020

Planned Owner Notification Date : JUN 24, 2020 - JUN 24, 2020

* NR - Not Reported