

Part 573 Safety Recall Report

21V-045

Manufacturer Name : Royal Enfield North America Limited

Submission Date : MAR 08, 2021

NHTSA Recall No. : 21V-045

Manufacturer Recall No. : Campaign SC 14



Manufacturer Information :

Manufacturer Name : Royal Enfield North America Limited

Address : 226 North Water Street

Milwaukee WI 53202

Company phone : (262)617-2129

Population :

Number of potentially involved : 4,403

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2018-2020 Royal Enfield Continental GT 650 / INT 650
Vehicle Type : MOTORCYCLES
Body Style : OTHER
Power Train : GAS

Descriptive Information : Total Number of Vehicles Potentially Affected: 4,833 motorcycles SOLD IN US
The percentage of vehicles or items of equipment specified pursuant to paragraph (c)(2) of this section estimated to actually contain the defect or noncompliance – less than 0.01%

Description of potential defect:
When the motorcycles within the population at issue are used on roads on which a large quantity of salt has been applied during the winter for melting ice, and if brake calipers are not cleaned thereafter, corrosion of the brake calipers can occur which can cause the brakes to drag or braking performance could be affected or become ineffective.

The potential defect may cause unusual and/or increased brake noise when applying brakes, an unusual odor/burning smell near the calipers, a drag feeling when attempting to accelerate, or unusual difficulty in pushing the motorcycle manually. If these warning conditions are not heeded, braking performance could be affected or become ineffective, increasing the risk of a vehicle crash.

Production Dates : OCT 05, 2018 - NOV 30, 2020

VIN Range 1 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 9 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 10 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 11 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 12 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 13 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 14 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 15 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 16 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 17 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 18 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 19 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 20 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 21 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 22 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential
VIN Range 23 : Begin : ME3FPN476KK703886	End : ME3FPN471MK765053	<input type="checkbox"/> Not sequential
VIN Range 24 : Begin : ME3FPN478MK700023	End : ME3FPN477MK700238	<input type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : When the motorcycles within the population at issue are used on roads on which a large quantity of salt has been applied during the winter for melting ice, and if brake calipers are not cleaned thereafter, corrosion of the brake calipers can occur which can cause the brakes to drag or braking performance could be affected or become ineffective.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The potential defect may cause unusual and/or increased brake noise when applying brakes, an unusual odor/burning smell near the calipers, a drag feeling when attempting to accelerate, or unusual difficulty in pushing the motorcycle manually. If these warning conditions are not heeded, braking performance could be affected or become ineffective, increasing the risk of a vehicle crash.

Description of the Cause : Royal Enfield has discovered a brake caliper corrosion-related issue in a very small number of Interceptor INT 650, Continental GT 650 motorcycles in some specific countries outside of North America. Upon investigation, it was revealed that this corrosion is brought about by sustained, long-term exposure to riding on roads treated with certain salts or a combination of salts, to prevent formation of ice during winters.

Identification of Any Warning that can Occur : This corrosion causes damage to the brake caliper piston bore and assemblies, and can result in unusual braking sound, increased brake drag, unusual difficulty in pushing the motorcycle manually and may impact braking action.

Involved Components :

Component Name 1 : Front and Rear Calipers

Component Description : Front and Rear Brake Calipers

Component Part Number : 148244/C Front Caliper, 148244/C Rear Caliper

Supplier Identification :

Component Manufacturer

Name : Brembo Brake India PVT / LTD Chakan Comp

Address : 10 Gaye NO 307

Village Nanekarwadi Foreign States 410501

Country: India

Chronology :

Royal Enfield made the determination to conduct this voluntary safety recall on May 13, 2020 within the United Kingdom. On May 13, 2020 Royal Enfield of North America (RENA) was informed a foreign recall was being announced and the USA was not impacted. RENA filed a notice of foreign recall with NHTSA on May 18, 2020.

On February 1, 2021 RENA decided to file a voluntary recall with NHTSA due to a few reasons:

1. Since the announcement of the foreign recall, RENA and its dealers have received a large volume of calls / inquiries by U.S. customers in regard to the recall and the impact on their motorcycle.
2. The company will not be stocking any replacement parts for the old caliper in the near future.
3. The new replacement caliper is aesthetically different than the original caliper. (If a customer is in need of a replacement caliper for any reason it would not match the original caliper)
4. RENA also wants to operate with an overabundance of caution.

Please note, we have had zero incidents in the U.S. and Canada, zero warranty claims, zero caliper and or brake parts ordered by our dealers, zero field reports highlighting any concerns with the braking system and / or braking conditions.

Description of Remedy :

Description of Remedy Program : Steps taken by royal Enfield after the reported events.
Analysis and discussion with safety office, QA, etc., with dates
Root Cause: Joint analysis with Bosch (ABS system supplier) and Brembo (brake caliper supplier) was performed on the affected part.
It was concluded that when motorcycles are used on roads on which a large quantity of salt has been applied during the winter for melting ice, and if brake calipers are not cleaned thereafter, corrosion of the brake calipers can occur which can cause the brakes to drag or become ineffective.
Even though feedback was received only from the UK, Brake Caliper manufacturer Brembo, advised that this phenomenon may occur in other countries where salt is used in winter such as the US, other European Countries and South Korea.
Brembo has recommended using anodized calipers to combat this corrosion for the countries using salt to melt ice on the roads.
Corrective Action: To ensure there is no major damage, RE is voluntarily recalling all the motorcycles supplied in these countries.
Recall: Replace Front and Rear calipers with Anodized Calipers for all motorcycles fitted with non-anodized caliper for the EU, UK, Korea and USA.

How Remedy Component Differs The non-anodized defective brake caliper will have the manufacture

from Recalled Component : labeling cast into the caliper itself.
The anodized replacement caliper will not have this casting and the caliper will be smooth.

Identify How/When Recall Condition was Corrected in Production : Production Data on implementation of anodized calipers
100 % implementation done with effect from : ME3FPN479MK700239 -
Date of implementation : 1.12.2020

Recall Schedule :

Description of Recall Schedule : Dealers will be communicated with a electronic version of all communications via email and share through a portal type system.
Customers will be notified by mail.

Planned Dealer Notification Date : FEB 17, 2021 - NR

Planned Owner Notification Date : MAR 22, 2021 - NR

* NR - Not Reported