

Part 573 Safety Recall Report

23V-129

Manufacturer Name : Royal Enfield North America Limited**Submission Date :** MAY 04, 2023**NHTSA Recall No. :** 23V-129**Manufacturer Recall No. :** SC-31**Manufacturer Information :**

Manufacturer Name : Royal Enfield North America Limited

Address : 226 North Water Street

Milwaukee WI 53202

Company phone : 866-600-1122

Population :

Number of potentially involved : 4,891

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2017-2021 Royal Enfield Himalayan

Vehicle Type : MOTORCYCLES

Body Style : UNKNOWN

Power Train : GAS

Descriptive Information : 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.

Joint analysis with Bosch (ABS system supplier) and Brembo (brake caliper supplier) was performed on the affected part.

c. 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.

d. 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.

e. Brembo has recommended using anodized calipers to combat this corrosion for the countries using salt to melt ice on the roads.

4,891 motorcycles SOLD IN NORTH AMERICA less that 0.01% involved.

Production Dates : MAR 01, 2017 - FEB 28, 2021

VIN Range 1 : Begin : ME3FSM249HK411921 End : ME3FSM24XMK401568 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. 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.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : 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.

Description of the Cause : We have determined when motorcycles are used on roads on which salt has been applied during the winter for melting ice, corrosion of the brake calipers can occur. This can cause the brakes to drag and braking performance could be affected or become ineffective, possibly resulting in a crash. 2017-2021 Himalayan motorcycles that were likely being used in such conditions may be impacted.

Identification of Any Warning that can Occur : increased brake drag from either the front or rear brake is noted, your motorcycle may be exhibiting the recall condition.

Involved Components :

Component Name 1 : Front Brake Caliper

Component Description : Front brake caliper assembly, anodized

Component Part Number : KAB00305/A

Component Name 2 : Rear Brake Caliper

Component Description : Rear brake caliper assembly, anodized

Component Part Number : KAB00307/A

Supplier Identification :

Component Manufacturer

Name : Brembo Brake India PVT / LTD Chakan Comp

Address : 10 Gaye NO 307

Nanekarwadi Chakan Maharashtra, Foreign States 410501

Country : India

Chronology :

Below mentioned motorcycle customer reported for front wheel dragging / locking phenomenon while riding their motorcycle. (This incident was in the UK)

Case 1 : Himalayan reported on 11th Mar'20 at 2,000 Miles

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.

Description of Remedy :

Description of Remedy Program : To ensure there is no major damage, RE is voluntarily recalling all the motorcycles supplied in these countries.
Replace Front and Rear calipers with Anodized Calipers for all motorcycles fitted with non-anodized calipers for the EU, UK, Korea, Japan and USA.

How Remedy Component Differs from Recalled Component : There are distinguishing casting marks to visually determine the difference between the non-anodized caliper and the anodized caliper. These photos are highlighted in the SC-31 communicated to our dealership network.

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : We will internally provide support to communicate a recall package to the dealership network that includes all relevant information.
We will be using a mail service to ship out all customer communications

Planned Dealer Notification Date : MAR 27, 2023 - APR 07, 2023

Planned Owner Notification Date : MAY 04, 2023 - MAY 05, 2023

* NR - Not Reported