

Part 573 Safety Recall Report

22V-503

Manufacturer Name : Bombardier Recreational Products, Inc.

Submission Date : AUG 18, 2022

NHTSA Recall No. : 22V-503

Manufacturer Recall No. : 2022-16



Manufacturer Information :

Population :

Manufacturer Name : Bombardier Recreational Products, Inc.

Number of potentially involved : 9,353

Address : 726 Saint-Joseph Street

Estimated percentage with defect : 100 %

Valcourt, Quebec 00 JOE 2LO

Company phone : 450-532-2211

Vehicle Information :

Vehicle 1 : 2022-2022 Can-Am Ryker

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : Those vehicles have a handlebar stem bolt that may not have sufficient thread length for a proper assembly by dealers during the predelivery preparation. They may also have debris in the steering column before the assembly. Not all MY 2022 vehicle identification numbers are included as some will be sent to dealer without the bolt or already with the new bolt. The preliminary quantity of vehicles in this population is 9353.

Production Dates : FEB 25, 2021 - JUL 05, 2022

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The Handlebar Stem Bolt may break suddenly.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : This could cause a loss of steering control. This condition may increase the risk of crash.

Description of the Cause : The handlebar stem bolt does not have a sufficient thread length to account for all the tolerances stack of the assembly. Also, debris may be present in the steering columns which could interfere with a proper assembly. This assembly is performed by dealers during the predelivery preparation.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : HEX. FLANGED SCREW M8 X 100

Component Description : Handlebar Stem Bolt

Component Part Number : 230680054

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

The assembly of the handlebar stem bolt is done by the dealers during the predelivery preparation.

From January 2022 to April 2022, BRP received reports from dealers that this assembly could be hard to install and some of them were reporting that they were breaking the bolt during the process.

In May 2022, BRP received 2 reports of broken bolt while riding. One of the 2 resulted in a loss of control and the driver had a sprained ankle.

BRP reviewed all the reports to identify the root cause as it had not broken during the predelivery assembly by the dealers. BRP was looking for possible variations in the assembly process procedures or in the parts involved in this assembly.

It was found that starting from MY22, the steering stem dimensions were affected by a manufacturing process change of the steering stem. Although, it was still within tolerances, the dimensions were significantly different, and the handlebar stem bolt's threads could be too short to ensure a good assembly. It is also possible that debris are present in the steering column before the assembly.

Consequently, if there is a sudden loss of friction between the cones while cornering, the trajectory of the vehicle could be affected following a Vehicle Stability System intervention due to the play created between the stem and the steering column.

With all the information collected and analyzed, BRP decided on July 7, 2022, that it had enough information to report and wants to proceed with the repair of the affected vehicles population with a safety recall.

In the United States, BRP received 56 reports of broken bolts during the predelivery preparation , 2 while

riding and 3 with an unknown riding condition.

The accident report was from the United States.

Description of Remedy :

Description of Remedy Program : The solution is to clean the threads of the steering column and to install the new steering stem bolt.
The safety recall will be launched by the end of this week. The repair procedure and the parts will be available at the time of launch.

If a customer previously had experienced this issue and BRP did not cover the cost of the repair, he can contact BRP for reimbursement. However, the vehicle will still need to have the recall procedure performed.

How Remedy Component Differs from Recalled Component : The new handlebar stem bolt is 5mm shorter with the same length of threads as the previous one. The 5mm reduction provides the necessary space in the threads to absorb all the manufacturing tolerances of the components in the assembly. Other differences (washer, scotchgrip) are only present to allow prompt parts availabilities but are not related to the recall issue. BRP will also instruct its dealers to clean the threads of the steering column before the installation of the new bolt.

Identify How/When Recall Condition was Corrected in Production : As part of the normal process, this assembly is not made during production. The vehicle is shipped with a kit for dealer to complete the assembly during the predelivery preparation. Vehicles not included in the recall are shipped without any handlebar stem bolt in the kit and dealers will later receive the appropriate component. As parts are becoming more available, BRP will ship vehicles already with the handlebar stem bolt in the kit. The last production date of vehicles included in the recall is July 5, 2022.

Recall Schedule :

Description of Recall Schedule : BRP is targeting to inform dealers about this situation before the end of this week (July 15) and will also start the mailing.

BRP has the addresses of the vehicle owners in its warranty database and will send them a notice by mail and e-mail, if available.

The owner mailing was completed on August 16, 2022.

Planned Dealer Notification Date : JUL 15, 2022 - JUL 22, 2022

Planned Owner Notification Date : JUL 27, 2022 - AUG 16, 2022

* NR - Not Reported