

Part 573 Safety Recall Report

22V-862

Manufacturer Name : Genuine Scooters, LLC

Submission Date : MAR 28, 2023

NHTSA Recall No. : 22V-862

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Genuine Scooters, LLC

Address : 2700 W Grand Avenue
Chicago IL 60612

Company phone : 773-433-1316

Population :

Number of potentially involved : 817

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2022 Genuine Buddy Kick 125

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

Descriptive Information : The fuel pump on your 2022 Genuine Buddy Kick 125 scooter may have an incorrect manufacturing tolerance on the impellor. If the incorrect tolerance on this impellor causes it to fail, you may unexpectedly lose motor power to your scooter, increasing the risk of a crash. This affects 817 scooters.

Production Dates : AUG 02, 2021 - JUL 31, 2022

VIN Range 1 : Begin : RFVJFJ100N1002800 End : RFVJFJ100N1003617

☐ Not sequential

Description of Defect :

Description of the Defect : Fuel pump analysis indicates the pump failure is a result of a manufacturing tolerance error between the pump impeller and the pump body. The tolerance between the pump impeller and pump body is too narrow and the impeller can strike the pump body causing the pump to fail. Failure of the fuel pump can cause unexpected loss of motive power.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : During operation, failure of the fuel pump can cause loss of motor power to the scooter without warning. This could result in a loss of motive power, which can increase the risk of an accident.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : Fuel Pump

Component Description : Electric fuel pump mounted in-tank

Component Part Number : BA5218000001

Supplier Identification :**Component Manufacturer**

Name : Motive Power Industry Co.

Address : No 66, Shanjiao Road, Dacun
Township, Changhua County Taiwan Foreign States

Country : Taiwan, Province of China

Chronology :

On July 17th, 2022, our warranty department noticed an increase in warranty claims for failed fuel pumps. The warranty department reported that several dealers had submitted warranty claims for failed fuel pumps on the Buddy Kick model over the previous 9 months. We ran a warranty report analysis and determined that 8 fuel pumps had all failed within the first 500 miles of vehicle operation over the previous 9 months. The fuel pump failures seemed to be confined to a specific range of VIN numbers. On July 26th, 2022, we reported our internal warranty analysis to the vehicle factory based in Taiwan. On August 1st, 2022, the factory subsequently requested defect samples of the failed fuel pumps. We obtained defect samples from our dealer network and sent the defective fuel pumps to the factory. On August 12, 2022, the factory confirmed receipt of the defect samples sent. By this point in time, 19 fuel pump failures had been reported. The factory worked with the fuel pump supplier to analyze the defective fuel pump samples. The vehicle manufacturer provided feedback to Genuine on September 28th, 2022, that the manufacturing tolerances on the fuel pump were too close causing the pump impeller to contact the pump body with subsequent failure of the fuel pump. Following the analysis, the fuel pump manufacturing process was evaluated and adjusted in October to ensure the tolerances were within the proper specifications to prevent future pump failures. On November 14th, 2022, the factory confirmed fuel pumps could be manufactured with the correct tolerances. At this point in time, 31 fuel pump failures had been reported. On November 17th, the factory confirmed they could supply all the fuel pumps required to facilitate the recall for the affected models and subsequently a recall was issued to remedy.

Description of Remedy :

Description of Remedy Program : To remedy, the fuel pumps of bikes within this VIN range will be replaced with new production fuel pumps with the proper manufacturing tolerances between the pump impeller and the pump body. This problem will be resolved at no charge to the consumer.

How Remedy Component Differs from Recalled Component : On the defective fuel pumps, the manufacturing tolerance between the fuel pump impeller and the fuel pump body is too small. The pump impeller may come in contact with the fuel pump body causing the pump impeller to stop. When the pump impeller stops, no fuel pressure is maintained in the fuel system and the vehicle will cease operation.
On the remedied fuel pumps, the dimension of the fuel pump impeller has been changed to ensure sufficient space exists between the pump impeller and pump body. Proper manufacturing tolerances ensure the pump impeller does not come into contact directly with the pump body during use.

Identify How/When Recall Condition was Corrected in Production : The fuel pumps were replaced in all production after 7/31/2022

Recall Schedule :

Description of Recall Schedule : Dealers and owners will be sent both emails and letters in the mail.

Planned Dealer Notification Date : NOV 28, 2022 - DEC 09, 2022

Planned Owner Notification Date : NOV 28, 2022 - DEC 09, 2022

* NR - Not Reported