

Part 573 Safety Recall Report

23V-257

Manufacturer Name : Buell Motorcycles**Submission Date :** AUG 16, 2023**NHTSA Recall No. :** 23V-257**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Buell Motorcycles

Address : 2700 Patterson Ave SE

Grand Rapids MI 49546

Company phone : 6167195917

Population :

Number of potentially involved : 30

Estimated percentage with defect : 90 %

Vehicle Information :

Vehicle 1 : 2021-2022 Buell Motorcycles 1190 RX and SX

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : GAS

Descriptive Information : Recall population was determined by how many motorcycles were assembled with outdated process sheets. The products not included in the recall have been assembled using the correct process, with 2 step verification on the production line. This issue has affected 50 motorcycles, and they can be found within the United States.

Production Dates : NOV 01, 2021 - DEC 31, 2022

VIN Range 1 : Begin : 546AAAG23ML000001 End : 546AAAG27ML000003

 Not sequential

VIN Range 2 : Begin : 546AAAG21NL000001 End : 546AAAG26NL000012

 Not sequential

VIN Range 3 : Begin : 546BBAG21ML000001 End : 546BBAG25ML000003

 Not sequential

VIN Range 4 : Begin : 546BBAG2XNL000001 End : 546BBAG26NL000013

 Not sequential**Description of Defect :**

Description of the Defect : Possible incorrect installation of index spring. The spring should be laying against the boss in the case, however, some may be resting against the side of the engine case. This shift in positioning reduces the spring force being applied.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Bike may not shift into rider intended gear. Could potentially slip out of gear without warning. Any of these conditions could cause temporary loss of control of the motorcycle, increasing the risk of a crash without prior warning. Malfunction may occur at any time while operating the motorcycle.

Description of the Cause : The cause of this issue was due to an incorrect process of assembly. The

process sheet did not specify the orientation of this spring causing the line to install them incorrectly.

Identification of Any Warning that can Occur : Gear shifts may appear to feel sloppy, and inconsistent. Neutralizing between gears. Up or down shift without input.

Involved Components :

Component Name 1 : Index Spring

Component Description : Spring that applies force to the index shim

Component Part Number : CG0003.1B7

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On March 12th, 2023, preliminary riding of a factory bike was completed out of state, abnormal shifting, shifting without input, and neutralizing was detected. On March 28th, 2023, the quality team went to investigate the assembly process. On March 28th, 2023, upon evaluating the process, an installation error was found that the index spring was installed in the incorrect position. On March 29th, 2023, the factory bike in question was disassembled and further investigated, providing confirmation of the incorrect index spring positioning. On April 3, 2023, the decision was made to conduct a recall to remedy this issue.

Description of Remedy :

Description of Remedy Program : All motorcycles that have been manufactured by Buell Motorcycles, public and internally, will have spring installed in the correct position. Some recall services will be completed at the Buell Factory, and some at certified service centers. The process of disassembly, index spring correction, and reassembly as well as the parts required will be provided to the service centers by Buell.

How Remedy Component Differs from Recalled Component : The remedy component (spring) is the same as the recalled component – the remedy is to install the spring in the correct orientation. The index spring should be rotated clockwise and sit in the indented location. The difference will be an increased spring force applied to the index shim, allowing the bike to stay in gear and shift accordingly.

Identify How/When Recall Condition was Corrected in Production : The recall has been corrected in production April 3rd by updating the process sheet and providing visual aids to ensure proper installation going forward. Training will be completed to ensure proper placement.

Recall Schedule :

Description of Recall Schedule : The initial letter to the owners as well as the dealers will be sent out within the required 60-day time frame. The initial letters will be released to the dealers and owners on April 14 detailing the recall. There will be a subsequent letter to the owners to schedule their service followed by the process and required parts will then be sent to the service centers. .

Planned Dealer Notification Date : APR 14, 2023 - APR 28, 2023

Planned Owner Notification Date : APR 14, 2023 - APR 28, 2023

* NR - Not Reported