

Part 573 Safety Recall Report

23V-693

Manufacturer Name : Arcimoto Inc**Submission Date :** OCT 13, 2023**NHTSA Recall No. :** 23V-693**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Arcimoto Inc

Address : 2034 W. 2nd Ave
Eugene OR 97402

Company phone : 5416836293

Population :

Number of potentially involved : 94

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Arcimoto FUV & MUV

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : In accordance with Part 573 of Title 49 of the Code of Federal Regulations, Arcimoto Inc. hereby reports the presence of a potential safety defect and intends to recall (94) ninety-four vehicles produced between January 1, 2023 and September 6, 2023. Due to all or some of these parts received between June 22, 2022 and December 9, 2022 may have been out of tolerance. The safety risk is inadequate thread length of engagement (LoE) between inner and outer tie-rods, when clocking the splines. Defect occurs when, LoE between inner and outer tie-rods is inadequate, certain compressive forces may cause the separation of the tie-rod assembly, which would make the vehicle more difficult to control and increase the likelihood of a crash.

Production Dates : JAN 01, 2023 - SEP 06, 2023

VIN Range 1 : Begin : 7F7ATR315PER00001 End : 7F7ATR316PER00086

 Not sequential

VIN Range 2 : Begin : 7F7ABR311PER00001 End : 7F7ADR315LER00006

 Not sequential

VIN Range 3 : Begin : 7F7ATR315PER00001 End : 7F7ABR317PER00004

 Not sequential**Description of Defect :**

Description of the Defect : There is a possibility of inadequate thread length of engagement (LoE) between inner and outer tie-rods, when clocking the splines.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The safety risk is that, if the length of the tie rod is out of tolerance it could dislodge itself. This dislodging would result in a sudden loss of steering, which will make the vehicle more difficult to control and increase the likelihood of a crash.

Description of the Cause : There were out of specification parts received between the dates of June 2022 thru December 2022. These parts have the ability to cause an out of tolerance and this defect can occur.

Identification of Any Warning that can Occur : There is no warning or indication.

Involved Components :

Component Name 1 : 002089/00317 Coupler, Spline, Pitman arm.

Component Description : Coupler, Spline, Pitman arm.

Component Part Number : 002089/00317

Component Name 2 : 003022/007669 Pitman Arm, Strong Weldment

Component Description : Pitman Arm, Strong Weldment

Component Part Number : 003022/007669

Supplier Identification :

Component Manufacturer

Name : Arcimoto

Address : 2034 W 2nd Ave

Eugene Oregon 97402

Country : United States

Chronology :

On September 6, 2023 the Quality Department first discovered and began restricting any vehicles with tie rod LoE measurement out of spec, 51.3mm measured from the jam nut to the groove cut in the inner tie rod. quality restricted non-conforming 002089/003017 couplers and in-process pitman arms (003022/007669). We have added a new requirement to go on the Outgoing Inspector's checklist to look for this defect specifically on all vehicles moving forward.

On September 8, 2023 the Quality Department and the Engineering Department met to discuss root cause, and how to correct. An investigation is negan immediately.

On September 11, 2023 Quality and Engineering presented findings. to the Executive Safety Committee

meeting. Unanimously voted that the severity of the defect, warranted be a recall.

Description of Remedy :

Description of Remedy Program : Owners will be notified by mail and instructed to contact Arcimoto to schedule a service appointment to have their Tie Rod inspected, and adjusted as necessary.

There will be no charge to vehicle owners for this service. To the best of our knowledge, no owners have incurred any costs resulting from this defect.

There will be no reimbursement plan as Arcimoto trained technicians are the only ones allowed to repair this defect.

How Remedy Component Differs from Recalled Component : We have added a new requirement to go on the Outgoing Inspector's checklist to look for this defect specifically on all vehicles moving forward.

Identify How/When Recall Condition was Corrected in Production : On September 6, 2023 the Quality Department first discovered and began restricting any vehicles with tie rod LoE measurement out of spec, 51.3mm measured from the jam nut to the groove cut in the inner tie rod. quality restricted non-conforming 002089/003017 couplers and in-process pitman arms (003022/007669). We have added a new requirement to go on the Outgoing Inspector's checklist to look for this defect specifically on all vehicles moving forward.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NOV 30, 2023 - DEC 14, 2023

* NR - Not Reported