

Part 573 Safety Recall Report

20V-032

Manufacturer Name : Arcimoto Inc**Submission Date :** JAN 20, 2020**NHTSA Recall No. :** 20V-032**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 : 50

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2019 Arcimoto FUV

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : Affects fifty of initial fifty-one MY2019 vehicles produced through to 12/27/2019.

Production Dates : SEP 19, 2019 - DEC 27, 2019

VIN Range 1 : Begin : 7F7ATR312KER00000 End : 7F7ATR319KER00043

 Not sequential

VIN Range 2 : Begin : 7F7ATR312KER00045 End : 7F7ATR316KER00050

 Not sequential**Description of Defect :**

Description of the Defect : Potential interference was discovered where the right steering-stop flares the main-link width, only at full right steering lock. In some vehicles, this presents as a lack of adequate clearance, while in others it presents as actual contact prior to flexing of the brake line.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If mechanical interference results in wear through the hard brake line, this would result in a loss of the ability to stop the vehicle and would increase the likelihood of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : None.

Supplier Identification :

Component Manufacturer

Name : NR
Address : NR
NR
Country : NR

Chronology :

On Thursday, December 26, 2019 at Outgoing Inspection, potential interference was discovered between a hard brake line and the steering main-link, only at full right steering lock. Arcimoto immediately began researching the failure mode, inspections on other FUV vehicles were immediately implemented, and visual inspection confirmed this failure mode of mechanical interference in other vehicles. In some vehicles, this presents as lack of adequate clearance, while in others it presents as actual contact prior to flexing of the brake line. Additionally, review of the SolidWorks CAD model confirmed this failure mode as actual mechanical interference. Arcimoto immediately implemented a Stop-Sale and stopped manufacturing vehicles. Starting on December 26, 2019 and continuing through December 30, 2019, Engineering and Q&RA Departments performed research and analysis. Contributing factors were determined to be a confluence of engineering design error and the absence of necessary engineering processes. These contributing factors were addressed and resolved the final week of December 2019.

The Engineering and Q&RA Departments presented preliminary research and analysis findings to Arcimoto executives on December 29, 2019, who subsequently decided the same day to validate findings of Safety issue from Engineering and Q&RA Departments, and notify NHTSA of a Safety Recall.

Description of Remedy :

Description of Remedy Program : Owners will be notified by mail and instructed to contact Arcimoto to schedule a service appointment(s) to have this mechanical interference remedied. 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.

How Remedy Component Differs from Recalled Component : Arcimoto intends to remedy this recall by inspecting for adequate clearance between a hard brake line and the steering main-link, and if necessary, adjust to produce more clearance.

Identify How/When Recall Condition was Corrected in Production : For vehicles already produced prior to December 26, 2019, and those shipped or in-process between December 26 and 31: Inspect for adequate clearance between a hard brake line and the steering main-link, and if necessary, adjust to produce more clearance.
MY2020 production: Redesign a hard brake line to ensure adequate clearance from the steering main-link.

Recall Schedule :

Description of Recall Schedule : Arcimoto does not intend to send any dealer or distributor notifications, as it has neither dealers nor distributors at this time.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : JAN 21, 2020 - JAN 31, 2020

* NR - Not Reported