

# Part 573 Safety Recall Report

# 19V-833

**Manufacturer Name :** Arcimoto Inc**Submission Date :** NOV 19, 2019**NHTSA Recall No. :** 19V-833**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Arcimoto Inc

Address : 2034 W. 2nd Ave  
Eugene OR 97402

Company phone : 5958232

**Population :**

Number of potentially involved : 22

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 first twenty-two MY2019 vehicles produced through to 11/04/2019.

Production Dates : SEP 19, 2019 - NOV 04, 2019

VIN Range 1 : Begin : 7F7ATR312KER00000 End : 7F7ATR31XKER00021  Not sequential**Description of Defect :**

Description of the Defect : Due to an unintended software behavior, the inverter broadcast current limit may not be obeyed.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the broadcast current limit is exceeded, this will result in opening isolation contactor cascades, leading to unexpected battery shutdown and immediate loss of traction-power, which would make the vehicle more difficult to control and increase the likelihood of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : None.

**Supplier Identification :****Component Manufacturer**

Name : Dana Inc. (formerly SME Group)  
Address : Via della Tecnica, Z.I. 40  
Arzignano (VI) FOREIGN STATES 36071  
Country : Italy

**Chronology :**

NR

**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 inverter software reprogrammed. 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 : The previous software version did not accurately approximate the broadcast current, therefore allowed significant overshoot of the current limits, leading to the failure mode. Arcimoto's supplier Dana (SME) has updated the inverter firmware to better approximate the broadcast current and consequently better implement the programmed current limits, which should prevent the system opening the isolation contactor during typical operating circumstances.

Identify How/When Recall Condition was Corrected in Production : Inverter programming on vehicles in production was updated with the new software profile starting November 5, 2019.

**Recall Schedule :**

Description of Recall Schedule : NR  
Planned Dealer Notification Date : NR - NR  
Planned Owner Notification Date : NR - NR

\* NR - Not Reported