

Part 573 Safety Recall Report

18V-937

Manufacturer Name : Arcimoto Inc
Submission Date : DEC 31, 2018
NHTSA Recall No. : 18V-937
Manufacturer Recall No. : 7F7-P2S8D-12

**Manufacturer Information :**

Manufacturer Name : Arcimoto Inc
Address : 2034 W. 2nd Ave
 Eugene OR 97402
Company phone : 5958232

Population :

Number of potentially involved : 2
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2017 Arcimoto FUV
Vehicle Type : MOTORCYCLES
Body Style : OTHER
Power Train : HYBRID ELECTRIC

Descriptive Information : The recall population consists of the first two FUV vehicles built by Arcimoto Inc. These vehicles were built with a front / rear split service brake system that does not comply with FMVSS 122.

All other Arcimoto vehicles were built with a fully compliant left / right split service brake system.

This recall potentially involves two vehicles.

Production Dates : NOV 01, 2017 - DEC 15, 2017

VIN Range 1 : Begin : 7F7ATR317HEB00000 **End :** 7F7ATR317HEB00001 Not sequential

Description of Noncompliance :

Description of the Noncompliance : Arcimoto has decided that the motorcycles identified above may fail to comply with the minimum stopping distance requirements under CFR 49, Part 571, Subpart B, Section 571.122 under all conditions required. Specifically, during a fault condition in the front section of the split service brake system, the rear section may not have adequate braking power to stop the vehicle within the distances required.

FMVSS 1 : 122 - Motorcycle brake systems

FMVSS 2 : NR

Description of the Safety Risk : The vehicle may not always come to a stop within the required distance when the service brake is engaged during a fault condition in the service brake. This increases the risk for a crash under those conditions.

Description of the Cause : The cause is the design of the split service brake system with a front / rear split. The weight distribution of the vehicle puts most weight on the front wheels, leaving insufficient downward force on the rear wheel provide the wheel-to-road-surface friction required to stop the vehicle within the distance required during a fault condition in the front section of the split service brake system.

Identification of Any Warning that can Occur : There is no warning preceding this non-compliance condition.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

Initial testing of the front / rear split service break system was conducted in late 2017 (exact date unknown). No data demonstrating compliance exists. Final testing demonstrating compliance of the left / right split service brake system was conducted on October 25, 2018. Arcimoto decided to conduct a noncompliance recall on December 21, 2018. There are no warranty claims, field or service reports, crashes, injuries or fatalities for this condition.

Description of Remedy :

Description of Remedy Program : The non-compliance will be remedied by replacing the existing brake lines implementing a front / rear split service brake system with new brake lines implementing a left right split service brake system. This exchange will use the brake lines from the current, fully FMVSS compliant split service brake system design. This repair will be done free of charge to the current owners. Should any owner have incurred any costs related to this issue, we will reimburse the owner the full cost of the repair.

How Remedy Component Differs from Recalled Component : The new component (PN 002103) implements a left / right split service brake system, whereas the old component (PN 000880) implemented a front / rear split service brake.

Identify How/When Recall Condition was Corrected in Production : The new, fully compliant split service brake system has been used in production from the third vehicle forward.

Recall Schedule :

Description of Recall Schedule : Arcimoto has retrieved all vehicles subject to this recall. All vehicles are currently under Arcimoto control and will not be returned to their owners or used on public roads until all recalls have been completed by Arcimoto.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

* NR - Not Reported