

Part 573 Safety Recall Report

18V-938

Manufacturer Name : Arcimoto Inc
Submission Date : APR 21, 2020
NHTSA Recall No. : 18V-938
Manufacturer Recall No. : 7F7-H7M4W-12

**Manufacturer Information :**

Manufacturer Name : Arcimoto Inc
Address : 2034 W. 2nd Ave
 Eugene OR 97402
Company phone : 5416836293

Population :

Number of potentially involved : 23
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2017-2018 Arcimoto FUV
Vehicle Type : MOTORCYCLES
Body Style : OTHER
Power Train : HYBRID ELECTRIC

Descriptive Information : The recall population was determined by inspection. These vehicles did not have a service brake warning lamp as required by FMVSS 122, Section S5.1.10.1.

Production Dates : NOV 01, 2017 - OCT 22, 2018

VIN Range 1 : Begin : 7F7ATR317HEB00000	End : 7F7ATR319HEB00001	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin : 7F7ATR311JEB00001	End : 7F7ATR319JEB00005	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin : 7F7ATR312JEB00007	End : 7F7ATR317JEB00018	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin : 7F7ATR315JEB00020	End : 7F7ATR310JEB00023	<input type="checkbox"/> Not sequential

Description of Noncompliance :

Description of the Noncompliance : The vehicles affected by this recall did not have a split service brake warning lamp as required by FMVSS 122, Section S5.1.10.1.

FMVSS 1 : 122 - Motorcycle brake systems

FMVSS 2 : NR

Description of the Safety Risk : The lack of a service brake warning light might mean that a defect in the service brake system may go undetected.

Description of the Cause : An incorrect software version was installed on these vehicles.

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

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

A quality inspector noticed that the brake warning lamp failed to light up during the vehicle startup sequence on vehicle VIN 7F7ATR319JEB00022 on 10/22/2018. This report was discussed with the Review Board and escalated for a formal FMEA. The resulting report showed that incorrect software was being installed on the vehicle. This issue was then discussed by the PCM group on 12/18/2018 and escalated as a recall candidate. Arcimoto decided to initiate a recall on 12/21/2018.

Description of Remedy :

Description of Remedy Program : The non-compliance will be remedied with a software modification. All appropriate inputs (fluid sensor, pressure sensors and brake pedal position sensor) are already present. The software version installed on the I/O module will be upgraded to correctly interpret the sensor inputs and turn on the brake system failure warning lamp under the conditions prescribed. This remedy will be done at no cost to the purchasers and owners. To the best of our knowledge, no owners have incurred any costs resulting from this non-compliance.

How Remedy Component Differs from Recalled Component : Software version 4.0 and later, when installed on the I/O module, will implement the required functionality. This software version can easily be distinguished from earlier versions by checking for the brake warning light during start-up. Only version 4.0 and later will have this light.

Identify How/When Recall Condition was Corrected in Production : We will resume production after updating the Bill Of Materials and the Assembly Instructions to include the correct software revision.

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