

# Part 573 Safety Recall Report

# 18V-939

**Manufacturer Name :** Arcimoto Inc  
**Submission Date :** DEC 31, 2018  
**NHTSA Recall No. :** 18V-939  
**Manufacturer Recall No. :** 7F7-W3A5M-12

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

**Descriptive Information :** The recall population consists of all twenty two FUV vehicles built by Arcimoto Inc that were either sold, or used on public roads or both. These vehicles may have a safety belt system that may be insufficient for certain drivers.

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

<b>VIN Range 1 :</b> Begin : 7F7ATR317HEB00000	<b>End :</b> 7F7ATR319HEB00001	<input type="checkbox"/> Not sequential
<b>VIN Range 2 :</b> Begin : 7F7ATR311JEB00001	<b>End :</b> 7F7ATR315JEB00003	<input type="checkbox"/> Not sequential
<b>VIN Range 3 :</b> Begin : 7F7ATR319JEB00005	<b>End :</b> 7F7ATR319JEB00005	<input type="checkbox"/> Not sequential
<b>VIN Range 4 :</b> Begin : 7F7ATR312JEB00007	<b>End :</b> 7F7ATR317JEB00018	<input type="checkbox"/> Not sequential
<b>VIN Range 5 :</b> Begin : 7F7ATR315JEB00020	<b>End :</b> 7F7ATR310JEB00023	<input type="checkbox"/> Not sequential

**Description of Defect :**

**Description of the Defect :** During a simulated 35 mph crash with a 95 percentile male dummy, the driver seat collapsed, causing the dummy to submarine, thus preventing the seatbelts from holding the dummy in place.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** The defect may result in additional injuries during a crash.

**Description of the Cause :** Collapse of the seat bottom. Both the hard shell and the foam in the seat contributed to this problem. The hard shell of the seat bent downwards during the collision whereas the seat foam compressed downwards. This combination resulted in the crash dummy submarining with potential injuries to lower extremities and internal organs.

Identification of Any Warning that can Occur : No warning precedes this defect.

## Supplier Identification :

### Component Manufacturer

Name : NR  
Address : NR  
NR  
Country : NR

## Chronology :

As part of ongoing development, Arcimoto continuously runs calibrated test simulations of various scenarios. During a simulated test, it was discovered that in one scenario, a simulated crash with a 95 percentile male dummy, the driver seat collapsed, causing the dummy to submarine, thus preventing the seatbelts from holding the dummy in place. This simulation took place in late September 2018.

Further analysis of this scenario showed that both the hard shell and the foam in the seat contributed to this problem. Analysis of additional aspects is still ongoing and investigations on how this situation can be remedied are underway.

At this point, a definitive solution is not yet available. Work on a definitive solution is in progress.

This issue was discussed with the Review Board on 12/18/2018, who escalated this to the PCM Group. The PCM Group met on 12/20/2018 and decided to escalate this as a recall candidate. Senior Management approved the recall on 12/21/2018.

## Description of Remedy :

Description of Remedy Program :	Arcimoto does not have a completed remedy program in place. Further analysis and engineering is ongoing to determine a definitive solution.
How Remedy Component Differs from Recalled Component :	Arcimoto does not have a completed remedy program in place. This section will be updated shortly once a definitive remedy has been determined.
Identify How/When Recall Condition was Corrected in Production :	Arcimoto does not have a completed remedy program in place. This section will be updated shortly once a definitive remedy has been determined.

**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