

Part 573 Safety Recall Report

20V-310

Manufacturer Name : Arcimoto Inc

Submission Date : MAY 27, 2020

NHTSA Recall No. : 20V-310

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 : 104

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 Arcimoto FUV

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : Affects one hundred and four (104) total vehicles produced through 05/15/2020: fifty-seven (57) vehicles in MY2019 and forty-seven (47) vehicles in MY2020.

Production Dates : SEP 19, 2019 - MAY 15, 2020

VIN Range 1 : Begin : 7F7ATR312KER00000 End : 7F7ATR317KER00056

☐ Not sequential

VIN Range 2 : Begin : 7F7ATR312LER00001 End : 7F7ATR314LER00047

☐ Not sequential

Description of Defect :

Description of the Defect : (i) Hydraulic brake hose assemblies not marked with "DOT"
(ii) Testing of production batches revealed some inside diameters less than 64 percent of the nominal inside diameter of the brake hose.

FMVSS 1 : 106 - Brake hoses

FMVSS 2 : NR

Description of the Safety Risk : N/A

Description of the Cause : Vehicle manufacturer Arcimoto sourced hydraulic brake hose assemblies from hose assembly manufacturer Pacific Rubber and Supply Corp, based on Pacific Rubber's claims it builds DOT approved and FMVSS compliant brake hose assemblies. For multiple product batches, Pacific Rubber provided Certificate of Compliance to Arcimoto that all assemblies have been manufactured in compliance with FMVSS 106, when in fact it had no laboratory test-report to do so since it did not perform or ensure FMVSS 106 compliance testing. Vehicle manufacturer Arcimoto did not verify Pacific Rubber's claims prior to installing the brake hose assemblies into motor vehicles. Certified third-party test-lab

data evidences Pacific Rubber supplied brake hose assemblies to Arcimoto that fail FMVSS 106 testing.

Identification of Any Warning that can Occur : N/A

Involved Components :

Component Name 1 : Hose, Brake, RR, ASSY

Component Description : Hydraulic Brake Hose Assembly

Component Part Number : 001361

Component Name 2 : Hose, Brake, RT, FT, ASSY

Component Description : Hydraulic Brake Hose Assembly

Component Part Number : 002534

Component Name 3 : Hose, Brake, LT, FT, ASSY

Component Description : Hydraulic Brake Hose Assembly

Component Part Number : 002535

Supplier Identification :

Component Manufacturer

Name : Pacific Rubber & Supply Corp

Address : 690 Conger St.

Eugene OREGON 97402

Country : United States

Chronology :

On January 21, 2020, during a review of hose assembly manufacturer Pacific Rubber and Supply Corp practice relative to vehicle manufacturer Arcimoto documentation, it was noted that the hose assemblies were not being marked "DOT" as required. Arcimoto immediately began researching the failure mode with the hose assembly manufacturer, and contracted third-party test-lab Element to perform FMVSS 106 compliance testing. It was believed at that time, that the hose assemblies were compliant in all respects except labeling,

which would not need to be remedied via recall per NHTSA's 2001 "Clawson" interpretation (file# 22199, cf. 1991 Final Rule 56 FR 50520-21). However, in addition to lacking DOT markings the hose assemblies also failed constriction testing, as discovered by the test-lab and documented in draft test-reports provided to Arcimoto on May 06, 2020. The completed test-specimens were subsequently provided to Pacific Rubber's supplier BrakeQuip for verification and further testing, the results and data of which were provided to Arcimoto on May 13, 2020 and consequently immediately reviewed in a conference call that same day. Following Arcimoto's process starting on May 13, 2020 and continuing through May 19, 2020, internal Stakeholders discussed these latest data and developments. On May 19, 2020, the Q&RA Department presented all documentation and findings to Arcimoto executives, who subsequently decided on May 27, 2020 to validate findings of Noncompliance issue from test-lab, supplier forensics, 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 their hydraulic brake hose assemblies replaced. 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 :	New brake hose assemblies have been tested and are FMVSS 106 compliant, including "DOT" markings.
Identify How/When Recall Condition was Corrected in Production :	Not yet implemented, but would include use of only new brake hose assemblies that have been tested and are FMVSS 106 compliant, including "DOT" markings.

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. Arcimoto anticipates NHTSA requiring ten business days to process this recall report, from May 27 through June 10, 2020. After which, Arcimoto will submit a draft Owner Notification Letter for NHTSA's review during the week of June 08, 2020. The anticipated soonest date to send NHTSA-approved ONL is June 10, 2020.
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	JUN 10, 2020 - JUN 19, 2020

* NR - Not Reported