

Part 573 Safety Recall Report

22V-132

Manufacturer Name : Ubco Bikes US LLC**Submission Date :** MAY 18, 2022**NHTSA Recall No. :** 22V-132**Manufacturer Recall No. :** UBCO-CS-00017**Manufacturer Information :**

Manufacturer Name : Ubco Bikes US LLC

Address : PO Box 21805

Eugene OR 97402

Company phone : 1-541-357-4067

Population :

Number of potentially involved : 396

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2021-2022 UBCO 2x2 ADV

Vehicle Type : MOTORCYCLES

Body Style : OTHER

Power Train : HYBRID ELECTRIC

Descriptive Information : All ADV 2x2 fitted with a motor supplied from 2020 onwards included. No VINS or motors of this type have been excluded from the recall campaign.

Total of 396 bikes sold from 2021 to 2022.

Each bike has 2 hub motors.

Production Dates : JAN 07, 2020 - FEB 10, 2021

VIN Range 1 : Begin : 1U9U1BAA4M7184001 End : 1U9U1BAA7M7184056

 Not sequential

VIN Range 2 : Begin : 1U9U1BAA1M7184067 End : 1U9U1BAA6M7184226

 Not sequential

VIN Range 3 : Begin : 1U9U1BAA6N7184227 End : 1U9U1BAA6N7184406

 Not sequential**Description of Defect :**

Description of the Defect : On certain UBCO 2X2 bikes, the annulus gear, a component of the wheel hub, may loosen during operation causing abnormal contact between the gear and hub motor. If this abnormal contact occurs while the bike is in motion, the affected wheel may seize without prior warning.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : There is a risk the wheel will seize while the vehicle is moving, leading to loss of control and a crash of the vehicle.

Description of the Cause : inadequate application of Loctite on the retaining thread. still under investigation.

Identification of Any Warning that can Occur : There may be a change in the noise the motor makes prior to failure.

Involved Components :

Component Name 1 : Hub Motor

Component Description : Electric Hub motor - 1 KW

Component Part Number : UFD6A

Supplier Identification :**Component Manufacturer**

Name : Mac Motors

Address : JinFeng Road 158

TangZhen Town, Pudong New District Shanghai Foreign States 201201

Country : China

Chronology :

4 incidents outside of the USA in New Zealand have been reported. No serious incidents however it was considered a close call.

A meeting was held on 27th feb to establish action plan. Recall was the selected

Route cause analysis being undertaken.

Service bulletins being drafted to remedy issue

NHTSA account application made last week.

Description of Remedy :

Description of Remedy Program : All existing stock and unsold bikes to be checked.
All customers to be notified of recall. Recall will be free of charge.
Any defective motors found will be replaced with a already checked motor.
Dealers will bill back the time to UBCO for repair work under the recall.
Isolated cases of certain bikes due to location will be dealt with on a case by case basis.
motor design is being updated to reduce future probability of similar occurrence. secondary securing lug being added.

How Remedy Component Differs from Recalled Component : The defect relates to manufacturing process failure. The remedy will ensure that the correct manufacturing process has been followed and not present. if found to be present, the motor will be replaced. A reverse torque test will be conducted.

Identify How/When Recall Condition was Corrected in Production : Under development. it is understood we batch order the motors. the design change will be introduced at the next batch.

Recall Schedule :

Description of Recall Schedule : UBCO Plan to issue recall As soon as possible.
Recall reminders will be sent as required.

Planned Dealer Notification Date : MAR 07, 2022 - MAR 07, 2022

Planned Owner Notification Date : MAR 07, 2022 - NOV 03, 2023

* NR - Not Reported