

# Part 573 Safety Recall Report

## 23V-095

**Manufacturer Name :** Electra Meccanica Vehicles Corp

**Submission Date :** APR 06, 2023

**NHTSA Recall No. :** 23V-095

**Manufacturer Recall No. :** NR



### Manufacturer Information :

**Manufacturer Name :** Electra Meccanica Vehicles Corp

**Address :** 8127 E Ray Road

Mesa AZ 85212

**Company phone :** 4577656

### Population :

**Number of potentially involved :** 428

**Estimated percentage with defect :** 100 %

### Vehicle Information :

**Vehicle 1 :** 2021-2023 ElectraMeccanica Vehicle Solo

**Vehicle Type :** MOTORCYCLES

**Body Style :** OTHER

**Power Train :** NR

**Descriptive Information :** The subject population includes 428 3rd generation Solo (G3) vehicles, model years 2021, 2022, and 2023. 1st generation Solo (G1) vehicles, model year 2019, are not included in the recall population as the G1 was built using a different architecture, and do not share parts with the affected G3 systems. There are zero reports of the issue on G1 vehicles.

**Production Dates :** JAN 01, 2021 - DEC 31, 2022

**VIN Range 1 : Begin :** LZSEEFYT0M1000121 **End :** LZSEEFYT6N1000898 ☐ Not sequential

### Description of Defect :

**Description of the Defect :** While driving, the vehicle may experience a loss of propulsion. An instrument cluster warning light illuminates, and the driver will experience a loss of power as the vehicle decelerates as if removing their foot from the accelerator pedal. Steering, braking, and lighting systems are not impacted. The vehicle can be restarted after a period of time.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** In the event of sudden loss of propulsion, the vehicle maintains all other critical functionality including power steering, braking, and lighting, and in most instances allows the driver to pull over. However, due to the unexpected loss of propulsion, there may be an increased risk of crash.

**Description of the Cause :** NR

**Identification of Any Warning that can Occur :** NR

### Involved Components :

Component Name 1 : INVERTER (IPU), ALPHA MOTOR

Component Description : Motor controller and inverter

Component Part Number : 1001277

Component Name 2 : ASSEMBLY, ECU, BATTERY MANAGEMENT SYSTEM (BMS)

Component Description : Battery controller and high voltage box

Component Part Number : 1000929

### Supplier Identification :

#### Component Manufacturer

Name : CHONGQING ZONGSHEN AUTOMOBILE INDUSTRY C

Address : ZONGSHEN INDUSTRIAL ZONE, BANAN DISTRICT

Chongqing Foreign States 400054

Country : China

### Chronology :

August 2022: ElectraMeccanica received complaints related to loss of propulsion.

September 2022: Additional complaints were received.

October 2022: An internal meeting was held to review this issue. Engineering team instructed to conduct further investigation.

January 15, 2023: A new team comprised of engineering and quality dedicated personnel overseeing issues was installed and a status review of issues was conducted during the first two weeks of January 2023.

January 30, 2023: The engineering and quality dedicated team gathered again, and updated data and information related to the propulsion issue.

February 8, 2023: An internal meeting was held with the engineering, operations, and quality dedicated team to further review this issue. Decision: escalate to executive team.

February 9, 2023: An internal meeting was held with executives, and it was determined to conduct a voluntary recall of the affected vehicles.

As of March 17th, 2023, EMV has identified 37 field reports potentially related to this issue with dates of receipt ranging from Feb. 10th, 2022, to Mar. 6th, 2023. As of March 17th, 2023, EMV is aware of zero accidents or injuries potentially related to this issue for all markets.

## Description of Remedy :

**Description of Remedy Program :** The recall remedy is a vehicle repurchase (buy back). Until July 15, 2023, EMV will repurchase (buy back) the Solo G3 for the purchase price paid by the customer for the vehicle, including taxes, fees, and shipping. After July 15, 2023, the vehicle will be repurchased for the purchase price paid for the vehicle, including taxes, fees, and shipping, less a depreciation of 20 percent per year from the date of purchase. ElectraMeccanica will arrange for shipment of the vehicle from the customer to our facilities at no charge to the customer. ElectraMeccanica will send a letter to each owner within 10 days regarding their repurchase offer.

Any lien against the Solo G3 will be deducted from the repurchase amount and sent directly to the lien holder and/or lender. The customer's repurchase payment amount, therefore, will be the purchase price they paid for the Solo G3, including taxes, fees, and shipping, less any applicable depreciation and less the lien amount. The customer will have the opportunity to review the financial terms of EMV's repurchase offer prior to the final acceptance.

Please note that effective April 15, 2023, ElectraMeccanica is discontinuing the Solo G3, including the Solo mobile application for the G3. EMV is also ceasing service of the Solo G3, stopping support of the vehicles warranty, and no longer providing parts for the G3.

**How Remedy Component Differs from Recalled Component :** Since the remedy is a repurchase of the vehicle, there are no component changes involved in this recall.

**Identify How/When Recall Condition was Corrected in Production :** Since the remedy is a repurchase of the vehicle, the recall condition was not corrected in production.

## Recall Schedule :

**Description of Recall Schedule :** EMV sells directly to consumers and does not have a dealer network. EMV plans to send out the owner notification letter on April 17th.

**Planned Dealer Notification Date :** APR 17, 2023 - APR 17, 2023

**Planned Owner Notification Date :** APR 17, 2023 - APR 17, 2023

\* NR - Not Reported