

Part 573 Safety Recall Report

24V-404

Manufacturer Name : Fisker Group Inc

Submission Date : JUN 05, 2024

NHTSA Recall No. : 24V-404

Manufacturer Recall No. : TSB10032403



Manufacturer Information :

Manufacturer Name : Fisker Group Inc

Address : 14 Centerpointe Drive

La Palma CA 90626

Company phone : 6026537139

Population :

Number of potentially involved : 6,864

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2023-2023 Fisker Ocean

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : The recall population was determined using the production records of Fisker Ocean electric vehicles.

Production Dates : MAY 01, 2023 - DEC 31, 2023

VIN Range 1 : Begin : VCF1ZBU22PG001668 **End :** VCF1SAU2XPG011329 **Not sequential**

Description of Defect :

Description of the Defect : Software characteristics in the current Motor Control Unit (MCU) and Vehicle Control Unit (VCU) version may cause the vehicle to enter a safe state protection mode. As a result, there may be a loss of motor power or motive power, with the vehicle losing torque and rolling to a stop. The gear may shift from Drive (D) to Neutral (N), and then to Park (P) when coming to a complete stop. This unique and unusual situation can occur in specific use cases that trigger improper response from the controller safety mechanisms.

These conditions may include:

- Wheel slip on icy surfaces at low speed
- Driver changing from deceleration to acceleration at specific low speed conditions
- Repeated, back-to-back maximum acceleration and deceleration
- Incorrectly triggered drive unit fault monitors including when activating the rear disconnect clutch or checking power supply voltage

The vehicle can be recovered by cycling the power and pressing the brake pedal. Other powertrain modules may also be affected during the loss of motive power.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An electric motor shutdown can cause a loss drive power, increasing the risk of a crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : There is no warning prior to activation failsafe mode. The powertrain system warning lights will only illuminate once failsafe mode has been activated.

Involved Components :

Component Name 1 : VCU Module

Component Description : Hardware Vehicle Control Unit Module

Component Part Number : VCU039022

Component Name 2 : VCU Module

Component Description : Software Vehicle Control Unit Module

Component Part Number : VCU software 10.5.14

Supplier Identification :

Component Manufacturer

Name : MAGNA STEYR Fahrzeugtechnik GmbH & Co KG

Address : Liebenauer Hauptstrasse 317
8041 Graz Foreign States

Country : Austria

Chronology :

- ☐ In December 2023, software released for road testing.
- ☐ In January to February 2024, Winter testing discovered the unusual case.
- ☐ In February 2024, possible root cause identified and confirmed. Software released for road testing.
- ☐ In March 2024, complete validation test confirmed and unique case fixed.
- ☐ On April 25, 2024, software update was released to update the powertrain modules.
- ☐ On May 29, 2024, the Fisker Decision Committee (FDC) convened to review and decided to release the software upgrade to all vehicles. Fisker is not aware of any accidents or injuries related to this issue.

Description of Remedy :

Description of Remedy Program : Update the Motor Control Unit (MCU) and Vehicle Control Unit (VCU) software in affected vehicles. The software upgrade modifies the torque safety monitor thresholds, ensuring they are adapted to the unique driving scenarios. The software version operating system 2.1 will be released over the air to all affected vehicles.

How Remedy Component Differs from Recalled Component : The remedy software program includes necessary upgrades to modify the torque safety monitor thresholds, adapting them to unique driving scenarios.

Identify How/When Recall Condition was Corrected in Production : Improved software for the powertrain and modules was installed starting May 29, 2024 at the vehicle assembly plant in Austria.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on or before June 5, 2024.
Mailing of owner notification letters is expected to be completed on or before June 30, 2024.

Planned Dealer Notification Date : JUN 05, 2024 - JUN 30, 2024

Planned Owner Notification Date : JUN 30, 2024 - JUN 30, 2024

* NR - Not Reported