Part 573 Safety Recall Report 24V-405

Manufacturer Name : Fisker Group Inc
Submission Date : JUN 05, 2024
NHTSA Recall No. : 24V-405
Manufacturer Recall No. : TSB70062404

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 Noncompliance :

Description of the Noncompliance : Fisker engineering identified four noncompliant cluster telltales that do not meet homologation requirements:

1. The font sizing for brake and parking cluster telltales does not comply with font size regulation requirements.
2. All brake malfunction and error telltales in the U.S.A must be red. Amber-colored telltales are permitted outside the U.S.A.
3. The brake lining telltale does not light up on the cluster screen for current production vehicles.
4. The bulb check is missing.

FMVSS 1 : 101 - Control and displays
FMVSS 2 : 135 - Light vehicle brake systems

Description of the Safety Risk : When cluster telltales in a vehicle are noncompliant, it poses the following safety risks:

1. Loss of Critical Warnings: Noncompliance can lead to these warnings not being displayed or being displayed incorrectly, potentially leading drivers to overlook critical issues, resulting in accidents or breakdowns.
2. Driver Distraction: Inconsistent or faulty telltales can distract the

	driver as they try to interpret the information being displayed. This distraction can lead to delayed reaction times or even accidents, especially if the driver is trying to decipher false warnings or missing critical ones. 3. Misinformation: Noncompliance in cluster telltales can lead to misinformation about the vehicle's status. 4. Decreased Vehicle Reliability: Telltales are essential for maintaining the reliability and safety of a vehicle. Noncompliance can result in undetected problems, which, if left unaddressed, can escalate into more severe issues, compromising the vehicle's reliability and safety over time. Overall, ensuring the compliance and proper functioning of cluster telltales is essential for vehicle safety, reliability, and legal compliance. Any deviation from compliance poses risks to both drivers and other road users.
Description of the Cause :	1. The font height of "BRAKE," "PARK," and "ABS" is measured to be 1.7 mm. However, FMVSS 135 requires a font height of 3.2 mm. 2. Fisker vehicles for the U.S. market display amber telltale indicators, but FMVSS 101 requires them to be displayed in red. 3. The current flat tire and TPMS malfunction telltales do not match the certified homologation strategy. The current strategy is incomplete, as the TPMS malfunction telltale does not flash during each key cycle to indicate a TPMS malfunction condition as required by FMVSS 138. 4. The flat tire telltale and Passenger Airbag OFF telltale are missing during the bulb check at each key cycle. The flat tire telltale is required by FMVSS 138, and the Passenger Airbag OFF telltale is required by FMVSS 208 for the bulb check. Note: Items 3 and 4 are additional noncompliance findings discovered during the full audit of all new changes.
Identification of Any Warning that can Occur :	No warning.

Involved Components :

Component Name 1 :	Cluster Telltales
Component Description :	HW Part Number
Component Part Number :	FM2970100022F

Component Name 2 :	Cluster Telltales
Component Description :	SW Part Number
Component Part Number :	FM29703S183G

Supplier Identification :

Component Manufacturer

Name :	Harman International
Address :	26F, Block A, Innov Tower 1801, Hongmei Rd, Xuhui District Shanghai Foreign States 200233
Country :	China

Chronology :

- On February 12, 2024, NHTSA staff contacted Fisker regarding the cluster telltales' noncompliance.
- On February 14, 2024, Fisker's Homologation and Software Engineering Team initiated an internal investigation.
- On February 14, 2024, Fisker's Homologation Team completed a full audit.
- Between February 19 and March 8, 2024, Fisker's Software Team collaborated with the Design Team to address the noncompliance.
- Between March 11 and March 15, 2024, the root cause analysis was completed.
- On April 2, 2024, the design change was finalized.
- On April 17, 2024, the bench test of the cluster was completed.
- On April 26, 2024, Fisker's Compliance Team provided a response to NHTSA staff.
- On May 15, 2024, an agreement was reached with NHTSA staff to accept the new changes.
- On May 20, 2024, Fisker's Homologation Team completed a full audit incorporating the new changes.
- On May 29, 2024, the Fisker Decision Committee (FDC) convened to review and decided to initiate this recall on all affected vehicles. The FDC reviewed the cluster display requirements in Federal Motor Vehicle Safety Standards (FMVSS) 101 (Controls and displays), 135 (Light Vehicle Brake Systems), 138 (Tire Pressure Monitoring Systems), and 208 (Occupant Crash Protection Telltale Illumination), which mandate the illumination of certain gauges and telltales in the cluster display. Fisker is not aware of any accidents or injuries related to this issue.

Description of Remedy :

Description of Remedy Program :	During routine testing, it was found that customers driving Fisker Ocean vehicles in the U.S. currently lack U.S. compliant operational cluster telltales. If a malfunction occurs, an amber warning light illuminates instead of the red color required by FMVSS regulations. However, the new software release operating system 2.1 will update all cluster telltales to comply with the relevant FMVSS standards.
How Remedy Component Differs from Recalled Component :	The remedy software program enables the cluster telltales to display the correct telltales to U.S.A homologation requirements.
Identify How/ When Recall Condition was Corrected in Production :	Improved software was installed on vehicles starting May 30, 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 05, 2024
Planned Owner Notification Date :	JUN 30, 2024 - JUN 30, 2024

* NR - Not Reported