

# Part 573 Safety Recall Report

# 25V-125

**Manufacturer Name :** Volkswagen Group of America, Inc.**Submission Date :** FEB 28, 2025**NHTSA Recall No. :** 25V-125**Manufacturer Recall No. :** 93FR (AUDI) 93CJ(VW)**Manufacturer Information :**

Manufacturer Name : Volkswagen Group of America, Inc.

Address : 3800 Hamlin Road

Auburn Hills MI 48326

Company phone : 1-800-893-5298

**Population :**

Number of potentially involved : 13,769

Estimated percentage with defect : 10 %

**Vehicle Information :**

Vehicle 1 : 2024-2024 VOLKSWAGEN ID.4

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recall population was determined by reviewing supplier and production records to identify vehicles built with parts with insufficient coating. Vehicles not included in this recall were built with parts with improved coating.  
ID.4: 5838

Production Dates : JAN 30, 2024 - SEP 24, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2024-2025 AUDI Q4 E-TRON SUV

Vehicle Type :

Body Style :

Power Train : NR

**Descriptive Information :** The recall population was determined by reviewing supplier and production records to identify vehicles built with parts with insufficient coating. Vehicles not included in this recall were built with parts with improved coating.  
Q4 E-TRON SUV:6210

Production Dates : DEC 04, 2023 - AUG 01, 2024

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 3 : 2024-2025 AUDI Q4 E-TRON SPORTBACK

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : The recall population was determined by reviewing supplier and production records to identify vehicles built with parts with insufficient coating. Vehicles not included in this recall were built with parts with improved coating.

Q4 E-TRON SPORTBACK: 1721

Production Dates : NOV 30, 2023 - AUG 01, 2024

VIN Range 1 : Begin :

NR

End : NR

Not sequential

## Description of Defect :

Description of the Defect : In the affected vehicles, condensation may form within the Onboard Charger with integrated DC/DC-Converter (OCDC), causing electromigration on the printed circuit board (PCB) due to insufficient protective coating of the complete area. The OCDC may fail and not charge the 12V battery. This can cause vehicle non-start-conditions, and if the vehicle is driven until the 12V battery is depleted, the vehicle may lose motive power and other electronically controlled or assisted functions, increasing the risk of a crash. Upon fault detection in the 12V battery, the vehicle will provide several, major warnings to the driver, and the vehicle will experience reduced driving functions.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the OCDC fails to charge the 12V battery, and the vehicle is driven until the 12V battery is depleted, the vehicle may lose motive power and other electronically controlled or assisted functions, increasing the risk of a crash.

Description of the Cause :

Depending on the ambient conditions and the specific operation of the OCDC component, humidity may enter into the component and due to insufficient protective coating lead to electromigration on the printed circuit board (PCB).

Identification of Any Warning that can Occur : Prior to loss of motive power, the driver will receive several, major warnings and the vehicle will experience reduced driving functions, such as:

1. Various MILs illuminating in the instrument cluster
2. Audible chimes
3. Warning messages displayed in the instrument cluster
4. Noticeable reduction in certain electrical vehicle functions

## Involved Components :

Component Name 1 : OCDC control unit

Component Description : Onboard Charger and DC/DC Converter (OCDC)

Component Part Number : 1EA.915.685.R (AUDI Q4 e-tron) , 1EK.915.685.K (Volkswagen ID.4) (affected parts)

## Supplier Identification :

### Component Manufacturer

Name : Robert Bosch Elektronika Kft.

Address : Robert Bosch út 1  
Foreign States 3000

Country : Hungary

## Chronology :

September 2024: VWGoA reports initial field claims related to problems with vehicle charging, 12V battery warning messages, vehicle non-start conditions, and vehicle tow-ins.

October 2024 - January 2025: Progressive increase in number of field claims. Analysis of field claims, failure rates, failure mode(s) and factors contributing to the failure mode(s), and root cause. Investigation into the effect of temperature and humidity on OCDC performance.

February 2025: Tests to evaluate warning strategies and customer experience confirmed the gradual deactivation of certain electrical vehicle functions. If all warning messages are disregarded, tests confirmed the potential for loss of electronically controlled or assisted functions of the vehicle and ultimately motive power.

February 21, 2025: The VW and Audi Product Safety Committees decided to recall the affected population.

### Claims:

- Volkswagen ID.4: 127 in the U.S.
- Audi Q4: 117 in the U.S.

## Description of Remedy :

Description of Remedy Program : At no cost to owners, authorized dealers will replace the OCDC with an improved OCDC part when available. Audi and Volkswagen will not offer a reimbursement plan under this recall because the affected vehicles are within the new vehicle limited warranty period.

How Remedy Component Differs from Recalled Component : The remedy component was produced with improved coating.

Identify How/When Recall Condition was Corrected in Production : The OCDC with the improved coating was implemented in production since:  
CW38/2024 for Volkswagen  
CW23/2024 for Audi

## Recall Schedule :

Description of Recall Schedule : Dealers: on or before March 04, 2025  
Owners: on or before April 29, 2025

Planned Dealer Notification Date : MAR 04, 2025 - MAR 04, 2025

Planned Owner Notification Date : APR 29, 2025 - APR 29, 2025

\* NR - Not Reported