



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

26V599

Manufacturer Name: Jaguar Land Rover North America, LLC

Submission Date: Sep 17, 2026

NHTSA Recall No.: 26V599

Manufacturer Recall No.: E008

Manufacturer Information

Population

Manufacturer Name: Jaguar Land Rover North America, LLC

Address: 100 Jaguar Land Rover
Way
Mahwah NJ, 07495

Total number of potentially involved: 23,677

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2021-2024 LAND ROVER RANGE ROVER VELAR

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Sep 17, 2020 - Jan 04, 2024

Number of potentially involved: 76

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2021-2024MY Land Rover Range Rover Velar built at the Solihull Vehicle Assembly Plant from September 17, 2020 to January 04, 2024. 76 Land Rover Range Rover Velar vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 2: 2019-2024 LAND ROVER RANGE ROVER SPORT

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Mar 21, 2019 - Jun 28, 2024

Number of potentially involved: 10,973

Descriptive Information:

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Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2019-2024MY Land Rover Range Rover Sport built at the Solihull Vehicle Assembly Plant from March 21, 2019 to June 28, 2024. 10,973 Land Rover Range Rover vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 3: 2020-2024 LAND ROVER RANGE ROVER EVOQUE

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Feb 18, 2019 - Jun 20, 2024

Number of potentially involved: 35

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2020-2024MY Land Rover Range Rover Evoque built at the Halewood Vehicle Assembly Plant from February 18, 2019 to June 20, 2024. 35 Land Rover Range Rover Evoque vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 4: 2020-2024 LAND ROVER RANGE ROVER

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Feb 03, 2020 - Jun 28, 2024

Number of potentially involved: 3,849

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2020-2024MY Land Rover Range Rover built at the Solihull Vehicle Assembly Plant from February 03, 2020 to June 28, 2024. 3,849 Land Rover Range Rover vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 5: 2021-2024 JAGUAR F-PACE

Product Category: Light Vehicles

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Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Sep 15, 2020 - Dec 04, 2023

Number of potentially involved: 79

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2021-2024MY Jaguar F-PACE built at the Graz Vehicle Assembly Plant from September 15, 2020 to December 04, 2023. 79 Jaguar F-PACE vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 6: 2021-2024 JAGUAR E-PACE

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jan 14, 2021 - Oct 29, 2024

Number of potentially involved: 10

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2021-2024MY Jaguar E-PACE built at the Graz Vehicle Assembly Plant from January 14, 2021 to October 29, 2024. 10 Jaguar E-PACE vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 7: 2020-2024 LAND ROVER DISCOVERY SPORT

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Jul 18, 2019 - Jun 24, 2024

Number of potentially involved: 3

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2020-2024MY Land Rover Discovery Sport built at the Halewood Vehicle Assembly Plant from July 18, 2019 to June 24, 2024. 3 Land Rover Discovery Sport vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those

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vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 8: 2021-2024 LAND ROVER DISCOVERY

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Oct 02, 2020 - Jun 28, 2024

Number of potentially involved: 552

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2021-2024MY Land Rover Discovery built at the Nitra Vehicle Assembly Plant from October 02, 2020 to June 28, 2024. 552 Land Rover Discovery vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Vehicle 9: 2020-2024 LAND ROVER DEFENDER

Product Category: Light Vehicles

Product Type: Multipurpose Passenger Vehicle

Fuel / Propulsion:

Production Dates: Feb 04, 2020 - Jun 28, 2024

Number of potentially involved: 8,100

Descriptive Information:

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2020-2024MY Land Rover Defender built at the Nitra Vehicle Assembly Plant from February 04, 2020 to June 28, 2024. 8,100 Land Rover Defender vehicles in the United States and Federalized Territories. The basis of the recall population of vehicles was determined through a combination of field data analysis and AI modelling to be Mild Hybrid Electric Vehicles (MHEVs) up to the end of 2024MY, excluding those vehicles which have an earlier specification of DCDC converter and are included in recalls D126 or H575.

Defect / Noncompliance Description

Description of the defect or noncompliance:

A concern has been identified on Jaguar and Land Rover Mild Hybrid Electric Vehicles (MHEVs) where insufficient electrical load balancing during times of high demand can lead to a current overload condition and malfunction of the DCDC converter. Additionally, a software bug had been introduced

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which could cause the DCDC converter to stop functioning at vehicle start-up under certain circumstances.

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

A failure of the DCDC converter will result in a loss of 12V system charging, and a "Stop Safely Electrical Fault Detected" red warning. Should the customer ignore this warning and continue to drive, additional warnings may appear. Continuation of the journey will result in the vehicle losing motive power and coasting to a stop after a period of time, and eventually losing exterior lighting. A loss of motive power, or of vehicle lighting, will increase the risk of a crash.

Description of the cause:

Identification of any warning that can occur:

Within 10 seconds of the failure, a red warning message saying "Stop Safely Electrical Fault Detected" will be displayed. Progressively as the 12V system loses charge, warnings including but not limited to Lane Keep Assistance being disabled, Suspension Fault, Stability Control Fault may be shown. Should the vehicle continue to be driven, the vehicle will shift into Neutral with a Gearbox fault shown. The engine will continue to run for a period of time, and exterior lighting will remain available after the center screen and air conditioning switches off. Eventually, the engine will shut down and, some time later, the battery will lose sufficient power to sustain exterior lighting.

Component Manufacturer

Tier of Supplier:

Supplier Type:

Name: Jaguar Land Rover Limited

Address: Abbey Road
Whitley, Coventry Foreign States, CV3 4LF

Country: United Kingdom

Involved Components

Component Name 1: Vehicle load balancing software

Component Description: Vehicle load balancing software

Component Part Number: Various Numbers

Chronology

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Following the decision to recall certain vehicles due to failure of the (phase 1) DCDC converter under JLR campaigns D126 & H575 (NHTSA reference 26V-248) in April 2026, JLR's Product Safety and Compliance Committee (PSCC) has continued to monitor and progress the engineering investigation into the matter.

Through May, June and into July 2026, the PSCC heard that hardware-level stress testing was carried out on production DCDC converters to induce the failure and this work demonstrated that there was no evidence of later DCDC converters being routinely susceptible to the same failure mode that had previously been concluded to be the root cause of the failures under D126 & H575.

On 14 July 2026, the investigation task force reported to the PSCC that the workstream had shifted its primary focus to reviewing software content and changes after being unable to consistently induce hardware failures in DCDC converters. The investigation continued with rig-based physical experimentation whilst in parallel deploying a dedicated workforce to conduct a forensic review of every line of software code within the vehicles and analyse for individual changes or combinations of changes which could have had an impact on the performance of the DCDC converter.

Through the remainder of July and August 2026, the forensic software analysis continued, and in parallel an AI model was developed with a view to predicting future failures. The status of the investigation was regularly reviewed with the PSCC.

On 08 September 2026, the PSCC heard that the AI model had been successfully trained on a small, well-known population of vehicles and confirmed to be effective on a larger scale. It was reported that vehicles built with phase 2 DCDC converters up to the end of 24MY are predicted to exhibit similar failures as those already recalled under D126 & H575. The PSCC was additionally informed that a software bug had been discovered on certain phase 2 vehicles which could theoretically result in the DCDC converter going offline at start-up with the same customer symptom of loss of 12V charging. It was noted that the real-world likelihood of this was not fully confirmed. The matter was referred to the PSCC Decision Forum.

On 10 September 2026, JLR's PSCC Decision Forum reviewed the status of the investigation as well as the most recent AI-driven data analysis, which shows an elevated risk of failure for certain vehicles up to and including 24MY, and requested that a safety recall be launched on the affected vehicles in the previously recalled markets.

JLR has received 393 claims and field reports in the US between April 2024 and September 2026.

There have been no reported accidents, injuries or fires in the US as a result of this concern.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Repair, Software

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

Description of remedy program:

Vehicles will have their software updated to ensure adequate load-balancing at times of high demand, as well as correcting the start-up stability bug. In addition, the software will introduce a protective "limp-home" mode which will provide a warning followed by a power derate in the event of the DCDC converter going offline for any reason.

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There will be no charge for this remedy.

How remedy component differs from recalled component:

The remedy includes a new central software strategy to ensure adequate load balancing across the vehicle systems at times of high demand.

Identify how/when recall condition was corrected in production:

The field evidence reviewed to date, in combination with AI predictive modelling, has concluded that the failure mode exists in vehicles up to the end of 2024MY.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Recall Schedule

Description of recall schedule:

Notifications to dealers will occur on October 1, 2026. Distribution of owner notification letters will occur on or before November 13, 2026.

Planned Dealer Notification Date: Oct 01, 2026 - Oct 01, 2026

☐ No Dealers

Planned Interim Owner Notification Date: Nov 13, 2026 - Nov 13, 2026

☐ No Owners

Planned Remedy Owner Notification Date:

☐ Phased Recall

Date when VIN will be searchable: