

Part 573 Safety Recall Report

20V-683

Manufacturer Name : Jaguar Land Rover North America, LLC**Submission Date :** NOV 05, 2020**NHTSA Recall No. :** 20V-683**Manufacturer Recall No. :** N503**Manufacturer Information :****Population :**

Manufacturer Name : Jaguar Land Rover North America, LLC

Number of potentially involved : 3,048

Address : 100 Jaguar Land Rover Way

Estimated percentage with defect : 100 %

Mahwah NJ 07495

Company phone : 8188500

Vehicle Information :

Vehicle 1 : 2020-2020 LAND ROVER DISCOVERY SPORT

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Certain 2020 Model Year Range Rover Evoque and Discovery Sport MHEV vehicles where an electrical overload event in the 48Volt (V) electrical system may cause a failure of the Metal Oxide Semiconductor Field Effect Transistor (MOSFET). Failure of the MOSFET may cause an electrical cascade failure, causing the DCDC convertor to experience an electrical short where the 12V circuit shorts to ground. When the DCDC convertor experiences an electrical short to ground, the 12V electrical system will discharge, this will be indicated by the battery warning tell-tale on the Instrument Cluster. In extreme cases, the vehicle occupants may notice a burning smell and/or smoke from the DCDC converter vent into the passenger compartment. 2683 Range Rover Evoque MHEV vehicles in the United States and Federalized Territories. 365 Discovery Sport MHEV vehicles in the United States and Federalized Territories. The basis of the recall population was derived from Jaguar Land Rover data where the VIN range for vehicles affected were determined by specific model type and specification 2019 and 2020MY Range Rover Evoque and Discovery Sport MHEV vehicles built from November 02, 2018 to October 02, 2020.

Production Dates : NOV 02, 2018 - OCT 02, 2020

VIN Range 1 : Begin : SALCM2GXXLH833819 End : SALCM2GX9LH877360

 Not sequential

Vehicle 2 : 2020-2020 LAND ROVER RANGE ROVER EVOQUE

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : HYBRID ELECTRIC

Descriptive Information : Certain 2020 Model Year Range Rover Evoque and Discovery Sport MHEV vehicles where an electrical overload event in the 48Volt (V) electrical system may cause a failure of the Metal Oxide Semiconductor Field Effect Transistor (MOSFET). Failure of the MOSFET may cause an electrical cascade failure, causing the DCDC convertor to experience an electrical short where the 12V circuit shorts to ground. When the DCDC convertor experiences an electrical short to ground, the 12V electrical system will discharge, this will be indicated by the battery warning tell-tale on the Instrument Cluster. In extreme cases, the vehicle occupants may notice a burning smell and/or smoke from the DCDC converter vent into the passenger compartment. 2683 Range Rover Evoque MHEV vehicles in the United States and Federalized Territories. 365 Discovery Sport MHEV vehicles in the United States and Federalized Territories. The basis of the recall population was derived from Jaguar Land Rover data where the VIN range for vehicles affected were determined by specific model type and specification 2019 and 2020MY Range Rover Evoque and Discovery Sport MHEV vehicles built from November 02, 2018 to October 02, 2020.

Production Dates : NOV 02, 2018 - OCT 02, 2020

VIN Range 1 : Begin : SALZM2GX5LH000181 End : SALZM2GX6LH114934 Not sequential

Description of Defect :

Description of the Defect : A concern has been identified with certain 2020 Model Year Range Rover Evoque and Discovery Sport MHEV vehicles where an electrical overload event in the 48Volt (V) electrical system may cause a failure of the Metal Oxide Semiconductor Field Effect Transistor (MOSFET). Failure of the MOSFET may cause an electrical cascade failure, causing the DCDC convertor to experience an electrical short where the 12V circuit shorts to ground.

When the DCDC convertor experiences an electrical short to ground, the 12V electrical system will discharge, this will be indicated by the battery warning tell-tale on the Instrument Cluster.

In extreme cases, the vehicle occupants may notice a burning smell and/or smoke from the DCDC converter vent into the passenger compartment.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Where sufficient oxygen exists, a sustained vehicle fire may occur.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : DCDC Converter

Component Description : DCDC Converter

Component Part Number : K8D2 14B227 AL

Supplier Identification :**Component Manufacturer**

Name : Yazaki Europe Ltd

Address : NR

Binley, Coventry FOREIGN STATES

Country : United Kingdom

Chronology :

See file "Recall N503 Chronology".

Description of Remedy :

Description of Remedy Program : The vehicles will be updated with the latest software which mitigates the electrical failure condition.

The vehicles will be covered under Jaguar Land Rover's new vehicle warranty program. Therefore, reimbursement for pre-notice remedies is not necessary because all affected vehicles are still under warranty. There will be no charge to owners for this repair.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : Distribution of owner notification letters will occur on or before December 18, 2020. Notifications to retailers will occur on November 19, 2020.

Planned Dealer Notification Date : NOV 19, 2020 - NOV 19, 2020

Planned Owner Notification Date : DEC 18, 2020 - DEC 18, 2020

* NR - Not Reported