

Part 573 Safety Recall Report

23V-044

Manufacturer Name : Jaguar Land Rover North America, LLC**Submission Date :** MAR 21, 2023**NHTSA Recall No. :** 23V-044**Manufacturer Recall No. :** N763**Manufacturer Information :****Population :**

Manufacturer Name : Jaguar Land Rover North America, LLC

Number of potentially involved : 6,644

Address : 100 Jaguar Land Rover Way

Estimated percentage with defect : 1 %

Mahwah NJ 07495

Company phone : 8188500

Vehicle Information :

Vehicle 1 : 2023-2023 LAND ROVER RANGE ROVER

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2023 Model Year Land Rover Range Rover vehicles built at the Solihull Vehicle Assembly Plant from August 24, 2022 - November 30, 2022. Approximately 1080 vehicles in the United States and Federalized Territories. The basis of the recall population was derived the potentially affected engine serial numbers that were determined based on delivery dates of affected parts into Jaguar Land Rover's Engine Manufacturing Centre. Affected Engine serial numbers were then traced to specific VIN's.

Production Dates : AUG 24, 2022 - NOV 30, 2022

VIN Range 1 : Begin : SALKPBFU8PA021265 End : SALKP9F47PA039409 Not sequential

Vehicle 2 : 2023-2023 LAND ROVER RANGE ROVER SPORT

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2023 Model Year Land Rover Range Rover Sport vehicles built at the Solihull Vehicle Assembly Plant from October 12, 2022 - November 28, 2022. Approximately 2520 vehicles in the United States and Federalized Territories. The basis of the recall population was derived the potentially affected engine serial numbers that were determined based on delivery dates of affected parts into Jaguar Land Rover's Engine Manufacturing Centre. Affected Engine serial numbers were then traced to specific VIN's.

Production Dates : OCT 12, 2022 - NOV 28, 2022

VIN Range 1 : Begin : SAL1P9EU4PA107453 End : SAL1P9EU2PA113137 Not sequential

Vehicle 3 : 2023-2023 LAND ROVER RANGE ROVER VELAR

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2023 Model Year Land Rover Range Rover Velar vehicles built at the Solihull Vehicle Assembly Plant from October 26, 2022 - December 5, 2022. Approximately 631 vehicles in the United States and Federalized Territories. The basis of the recall population was derived the potentially affected engine serial numbers that were determined based on delivery dates of affected parts into Jaguar Land Rover's Engine Manufacturing Centre. Affected Engine serial numbers were then traced to specific VIN's.

Production Dates : OCT 26, 2022 - DEC 05, 2022

VIN Range 1 : Begin : SALYT2EU9PA356431 End : SALYT2EU4PA360032 Not sequential

Vehicle 4 : 2023-2023 LAND ROVER DISCOVERY

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2023 Model Year Land Rover Discovery vehicles built at the Nitra Vehicle Assembly Plant from October 14, 2022 - November 30, 2022. Approximately 107 vehicles in the United States and Federalized Territories. The basis of the recall population was derived the potentially affected engine serial numbers that were determined based on delivery dates of affected parts into Jaguar Land Rover's Engine Manufacturing Centre. Affected Engine serial numbers were then traced to specific VIN's.

Production Dates : OCT 14, 2022 - NOV 30, 2022

VIN Range 1 : Begin : SALRT4EU1P2474130 End : SALRM4EUXP2475306 Not sequential

Vehicle 5 : 2023-2023 LAND ROVER DEFENDER

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2023 Model Year Land Rover Discovery vehicles built at the Nitra Vehicle Assembly Plant from October 13, 2022 - December 1, 2022. Approximately 2306 vehicles in the United States and Federalized Territories. The basis of the recall population was derived the potentially affected engine serial numbers that were determined based on delivery dates of affected parts into Jaguar Land Rover's Engine Manufacturing Centre. Affected Engine serial numbers were then traced to specific VIN's.

Production Dates : OCT 13, 2022 - DEC 01, 2022

VIN Range 1 : Begin : SALEXFEU9P2162054 End : SALEVFEU5P2176278 Not sequential

Description of Defect :

Description of the Defect : A concern has been identified on Certain 2023 Model Year 3.0L AJ20-P6 Land Rover Range Rover, Range Rover Sport, Range Rover Velar, Discovery and Defender vehicles where in a small number of engines the cam carrier oil gallery hasn't been fully drilled. As a result, the oil channel could be blocked, leading to accumulation of oil against the pressure control valve rubber membrane, and subsequently an external oil leak or increased oil carryover into the air intake system.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of a blockage, oil can accumulate against the engine pressure control valve rubber membrane, and subsequently an external oil leak or increased oil carryover into the air intake system can occur. An external oil leak may lead to an engine bay fire.

Description of the Cause : NR

Identification of Any Warning
that can Occur : NR

Involved Components :

Component Name 1 : AJ20 P6 CAM Carrier

Component Description : AJ20 P6 CAM Carrier

Component Part Number : J6P3-6J011-AF

Supplier Identification :**Component Manufacturer**

Name : Ryobi Aluminium Casting (UK) LTD

Address : Trooperslane Industrial Estate

5 Meadowbank Road Antrim, Carrickfergus Foreign States BT38 8YF

Country : United Kingdom

Chronology :

Jaguar Land Rover (JLR) received a report from Ryobi Aluminium Casting (UK) LTD, on November 23, 2022 that an oil channel had not been correctly drilled on a small number of engine cam carriers manufactured and

supplied to JLR for installation on JLR's 6-cylinder petrol engines. On November 25, 2022, Nitra and Solihull vehicle assembly plants initiated a stop-shipment. Affected engines and vehicles were inspected to identify potentially affected units. As a result of the stop-shipment, it was identified that vehicles had gone beyond plant control and an update prior to sale was issued to instruct markets to hold vehicles, inspect the condition and if ok release for onward distribution. Following this, an investigation was opened at the Product Safety & Compliance Committee (PSCC). The PSCC requested the Supplier Technical Assistance Team (STA) to fully define the scope of this issue. At the PSCC on December 07, 2023, the STA team reported their initial findings, and the Engineering Team was requested to fully assess the impact of the incorrect drilling that had been reported by the supplier. During December, the Engineering Team carried out physical engine testing with an incorrectly machined component and reported their findings to the PSCC. At the PSCC of January 24, 2023, the scope of the issue was finalized, and the consequences of the incorrect drilling was confirmed. Based on the feedback provided, the PSCC progressed the issue to the Recall Determination Committee (RDC) for review. The RDC reviewed the issue on January 26, 2023, and concluded that it represented an unreasonable risk to safety, and a voluntary safety recall should be conducted to inspect vehicles and where an incorrectly machined cam carrier is found replace with a correctly machined component. There have been no reported accidents, injuries or vehicle fires as a result of this concern.

Description of Remedy :

Description of Remedy Program : Owners will be notified and instructed to take their vehicle to an approved Jaguar Land Rover repairer. The technician will inspect the engine cam carrier and if found to be machined correctly the vehicle will be released. If an incorrectly machined cam carrier is found and the vehicle has less than 500 miles, replace it with a correctly machined component. If an incorrectly machined cam carrier is found and the vehicle has 500 miles or more, is not showing signs of excessive oil consumption, and does not have an oil pressure warning lamp illuminated. The engine cam carrier, catalytic converter, Gasoline Particulate Filter (GPF) and exhaust oxygen sensors will be replaced. If an incorrectly machined cam carrier is found and the vehicle has 500 miles or more, is showing signs of excessive oil consumption, and has an oil pressure warning lamp illuminated. The engine unit will be replaced as well as the catalytic converter, Gasoline Particulate Filter (GPF) and exhaust oxygen sensors. There will be no charge to the owners for this repair. The affected vehicles will be covered under Land Rover's new vehicle warranty program. Therefore, reimbursements for pre-notice remedies are not necessary because the affected vehicles are still under warranty.

How Remedy Component Differs from Recalled Component : NR

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

Recall Schedule :

Description of Recall Schedule : Notifications to dealers will occur on February 16, 2023. Distribution of owner notification letters will occur on or before March 31, 2023.

Planned Dealer Notification Date : FEB 16, 2023 - FEB 16, 2023

Planned Owner Notification Date : MAR 31, 2023 - MAR 31, 2023

* NR - Not Reported