

# Part 573 Safety Recall Report

# 18V-090

**Manufacturer Name :** Jaguar Land Rover North America, LLC**Submission Date :** FEB 02, 2018**NHTSA Recall No. :** 18V-090**Manufacturer Recall No. :** H081**Manufacturer Information :****Population :**

Manufacturer Name : Jaguar Land Rover North America, LLC

Number of potentially involved : 10,073

Address : 555 MACARTHUR BOULEVARD

Estimated percentage with defect : 100 %

MAHWAH NJ 07430

Company phone : 8188500

**Vehicle Information :**

Vehicle 1 : 2018-2018 Jaguar XE

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Jaguar Land Rover North America, LLC (Jaguar) is recalling certain 2018 Model Year Jaguar XE, XF E-PACE, F-PACE and F-TYPE vehicles fitted with 2.0L Gasoline engines, for an under hood gasoline fuel leak. The brazing of the fuel rail end caps is inconsistent and may not provide the design condition so not sealing the fuel rail ends. Fuel vapor and liquid fuel leaks can occur over time. This can lead to a liquid fuel leak into the engine bay.

Production Dates : JUL 31, 2017 - DEC 20, 2017

VIN Range 1 : Begin : SAJAL4FX9JCP18140 End : SAJAJ4GX7JCP36964  Not sequential

Vehicle 2 : 2018-2018 Jaguar XF

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Jaguar Land Rover North America, LLC (Jaguar) is recalling certain 2018 Model Year Jaguar XE, XF E-PACE, F-PACE and F-TYPE vehicles fitted with 2.0L Gasoline engines, for an under hood gasoline fuel leak. The brazing of the fuel rail end caps is inconsistent and may not provide the design condition so not sealing the fuel rail ends. Fuel vapor and liquid fuel leaks can occur over time. This can lead to a liquid fuel leak into the engine bay.

Production Dates : MAY 04, 2017 - NOV 15, 2017

VIN Range 1 : Begin : SAJBF4FX9JCY53890 End : SAJBE4FX9JCY64763  Not sequential

Vehicle 3 : 2018-2018 Jaguar E-PACE

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

**Descriptive Information :** Jaguar Land Rover North America, LLC (Jaguar) is recalling certain 2018 Model Year Jaguar XE, XF E-PACE, F-PACE and F-TYPE vehicles fitted with 2.0L Gasoline engines, for an under hood gasoline fuel leak. The brazing of the fuel rail end caps is inconsistent and may not provide the design condition so not sealing the fuel rail ends. Fuel vapor and liquid fuel leaks can occur over time. This can lead to a liquid fuel leak into the engine bay.

**Production Dates :** NOV 10, 2017 - JAN 09, 2018

**VIN Range 1 : Begin :** SADFM2GX3J1Z00291 **End :** SADFL2FX3J1Z03437  Not sequential

**Vehicle 4 :** 2018-2018 Jaguar F-PACE

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** SUV

**Power Train :** GAS

**Descriptive Information :** Jaguar Land Rover North America, LLC (Jaguar) is recalling certain 2018 Model Year Jaguar XE, XF E-PACE, F-PACE and F-TYPE vehicles fitted with 2.0L Gasoline engines, for an under hood gasoline fuel leak. The brazing of the fuel rail end caps is inconsistent and may not provide the design condition so not sealing the fuel rail ends. Fuel vapor and liquid fuel leaks can occur over time. This can lead to a liquid fuel leak into the engine bay.

**Production Dates :** DEC 05, 2016 - DEC 09, 2017

**VIN Range 1 : Begin :** SADCK2FX1JA243940 **End :** SADCJ2FX0JA290251  Not sequential

**VIN Range 2 : Begin :** SADCL2FXXJA099558 **End :** SADCL2FXXJA099558  Not sequential

**Vehicle 5 :** 2018-2018 Jaguar F-TYPE

**Vehicle Type :** LIGHT VEHICLES

**Body Style :** 2-DOOR

**Power Train :** GAS

**Descriptive Information :** Jaguar Land Rover North America, LLC (Jaguar) is recalling certain 2018 Model Year Jaguar XE, XF E-PACE, F-PACE and F-TYPE vehicles fitted with 2.0L Gasoline engines, for an under hood gasoline fuel leak. The brazing of the fuel rail end caps is inconsistent and may not provide the design condition so not sealing the fuel rail ends. Fuel vapor and liquid fuel leaks can occur over time. This can lead to a liquid fuel leak into the engine bay.

**Production Dates :** JUL 12, 2017 - JAN 16, 2018

**VIN Range 1 : Begin :** SAJDD1GX1JCK51500 **End :** SAJDD1GX9JCK55584  Not sequential

**Description of Defect :**

Description of the Defect : Jaguar Land Rover North America, LLC (Jaguar) is recalling certain 2018 Model Year Jaguar XE, XF E-PACE, F-PACE and F-TYPE vehicles fitted with 2.0L Gasoline engines, for an under hood gasoline fuel leak. The brazing of the fuel rail end caps is inconsistent and may not provide the design condition so not sealing the fuel rail ends. Fuel vapor and liquid fuel leaks can occur over time. This can lead to a liquid fuel leak into the engine bay.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Should leaking fuel come into contact with a sufficiently hot surface there is an increased risk of fire

Description of the Cause : NR

Identification of Any Warning that can Occur : Fuel odor may be noticed by the driver and they may also observe liquid fuel if the hood is lifted.

**Supplier Identification :****Component Manufacturer**

Name : Winkelmann SP. Z O.O

Address : NR

Legnica FOREIGN STATES 59-220

Country : Poland

**Chronology :**

On November 21, 2017 Jaguar Land Rover opened a Product Safety and Compliance Committee (PSCC) investigation to review 3 Electronic Quality Product Reports (EPQR) from retailers where customers had reported excessive fuel odor in the passenger compartment. On inspection, it was identified that fuel was leaking from the end of the engine mounted fuel rail.

Jaguar Land Rover engineering and Supplier Technical Assistance (STA) reviewed the concern and ordered a supplier review of the fuel rail manufacturing processes. During these reviews in November and December 2017 it was identified that the brazing on the end caps of engine mounted fuel rail did not have a continuous braze on the internal circumference of the end cap although the external face showed no braze imperfection.

Sample inspection of parts identified that the brazing of the fuel rail end cap was inconsistent.

Testing and root cause investigation continued through December 2017 and into January 2018. The engineering investigation also reviewed the brazing process, fuel rail material properties and surface treatments, it identified differences in internal the surface finish of pipe stock. A supplier review of failed assemblies returned from the market confirmed that the fuel rail to end cap joints were inconsistently brazed

and not to specification.

At the PSCC on January 09, 2018, engineering confirmed that the lack of braze on the fuel rail to end cap joint was the fuel leak path and the joint would fail at some time in the future but the failure could not be correlated to mileage or time. Further testing identified that due to the high pressure in the fuel rail and the pressure pulsation force within the system, joints not fully brazed will fatigue over varying amount of time or distance.

Engineering also confirmed that during the sub-supplier manufacture of the fuel rail the annealing process was an uncontrolled process which led to part of the raw material not receiving the correct treatment. T

### Description of Remedy :

Description of Remedy Program : Jaguar will notify owners, and authorized repairers will replace the fuel rail. 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 March 23, 2018. Notification dates to dealers to be provided.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : MAR 23, 2018 - MAR 23, 2018

\* NR - Not Reported