

Jaguar Land Rover J059

573.6 (c) (6) - Chronology of Events

During 2012, monitoring of warranty claim data identified the emergence of a small increase in the number of fuel tank outlet flange failures. A Critical Concerns Review Group (CCRG) investigation was opened to review this issue.

The issue was investigated through the CCRG process to ensure the issue was fully understood. Engineering analysis of the entire fuel system revealed that the fuel system operating pressures of 5.0L gasoline engine XF vehicles may exceed the design specification under certain operating conditions. The CCRG agreed that this increased system pressure could give rise to the fuel outlet mounting flange to crack in potential high stress areas. On September 24, 2012, the investigation was progressed to the Jaguar's Technical Review Group (TRG), where the TRG reviewed the full failure mode and scope of vehicle population. The TRG recommended the issue be progressed to Jaguar's Field Review Committee (FRC).

The Jaguar Field Review Committee (FRC) met on the October 18, 2012 and characterized this concern as a safety defect as it is possible that fuel vapour or liquid fuel may ignite if it comes into contact with an ignition source. The decision was made by the FRC to voluntarily recall all affected vehicles. As a result, Jaguar Land Rover launched recall campaign J027 in October, 2012.

Continuous monitoring of the Electronic Quality Product Reporting system has revealed a number of vehicle claims have been received where the fuel outlet flange has cracked. On further investigation it was identified that these vehicles had been fitted with the same components that were subject to recall campaign J027 launched in October, 2012.

Subsequent engineering investigations confirmed that a number of Pre-Production vehicles had been built with the same fuel system and will be subject to the same operating pressures within the fuel system as vehicles subject to recall campaign J027. These Pre-Production vehicles were not included within the original scoping for recall J027 and therefore not part of the recall.

The concern was reviewed at the Product Safety and Compliance Committee on March 22, 2016, and progressed to the Senior Review Panel (SRP) for determination.

The SRP reviewed the investigation on March 24, 2016, and concluded that this concern represented an unreasonable risk to safety and that these additional vehicles be subject to the same recall actions as J027. Due to the time between J027 and this new investigation, a new voluntary safety recall will be conducted to capture the additional pre-production vehicles.

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