



August 2, 2013

Nancy Lewis
Associate Administrator for Enforcement
National Highway Safety Administration
Attention: Recall Management Division (NVS-215)
1200 New Jersey Ave SE
Washington DC 20590

**Subject: Jaguar Recall Number J034 – Certain 2013 Model Year 2.0L GTDi
Gasoline Engine Jaguar XF vehicles for Charge Air Cooler Hose Detachment**

Dear Ms. Lewis:

Pursuant to 49 CFR 573, Defect and Non-compliance Responsibility and Reports, Jaguar Land Rover North America, LLC, is submitting information concerning a recall that is being voluntarily initiated.

Summary

- **Action** – Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2013 Model Year (MY) Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles built at the Castle Bromwich (UK) Assembly Plant between July, 2012, to May, 2013.
- **Number of Vehicles Involved** – 940 Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles in the United States and Federalized Territories within the following VIN range:

XF SAJWA0ES7DPS55275 to SAJWA0ES2DPS92220
July 2012 to May 2013

- **Affect on Vehicle Operation** – A concern has been identified where the Charge Air Cooler (CAC) hose may separate from the charge air cooler resonator assembly on 2013 MY Jaguar XF 2.0L GTDi vehicles. In the event of detachment, the driver may hear a loud pop noise as the joint separates. Jaguar Land Rover has concluded that joint separation of the CAC assembly leads to engine cut out without warning and could potentially cause a crash.

Should engine cut out occur, the brake vacuum reservoir will be depleted and the vehicle will lose brake power assistance; however, foundation brakes continue to operate. Power Assisted Steering (PAS) will also be lost once the vehicle speed drops below the torque converter speed threshold; however, the vehicle steering will remain functional with increased steering effort required. The vehicle will not re-start.

- Service Program – Dealers will inspect the CAC assembly and ensure hose clip on the resonator hose is in the correct position and is torqued to the correct specification. There will be no charge to owners for this repair.

Attached is the detailed information required by the applicable portions of 49 CFR Part 573 - Defect and Non-Compliance Information Report.

Please contact me for further information.

Sincerely,

A handwritten signature in black ink, appearing to read "James C. Patterson", with a stylized, sweeping flourish extending to the right.

James C. Patterson
Automotive Safety Office
Jaguar Land Rover North America, LLC

Attachment

49 CFR Part 573 - DEFECT INFORMATION REPORT
RECALL J034 – CERTAIN 2013 Model Year 2.0L GTDi Gasoline Engine Jaguar XF Vehicles

573.6 (c) (1) - Manufacturer Identification

Manufacturer Corporate Name

Jaguar Land Rover Limited
Abbey Road
Whitley
Coventry
England
CV3 4LF

Affiliated U.S. Importing Company

Jaguar Land Rover North America, LLC
555 MacArthur Boulevard
Mahwah
New Jersey 07430

573.6 (c) (2) - Potentially Affected Vehicles

Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2013 MY Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles built at the Castle Bromwich (UK) Assembly Plant between July, 2012, to May, 2013. Certain vehicles within the VIN range:

XF	SAJWA0ES7DPS55275 to SAJWA0ES2DPS92220 July 2012 to May 2013
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573.6(c) (2) (iv) – Part Numbers, Components affected and Components Final Country of Manufacture

Charge Air Cooler Assembly Part Number: CX23-6N650-BB (C2Z18058)

Plant Manager:
Franziska Jung
franziska.jung@fluid.contitech.de
Tel: +49 5574 9587 28

Quality Manager:
Frank Czaya
frank.czaya@fluid.contitech.de
Tel: +49 5551 7028

Contitech MGW GmbH
Kasseler Strabe 11
D-34346 Hann.
Munden
Germany

Germany is the final country of manufacture.

573.6 (c) (3) - Estimated Population of Vehicles Potentially Affected

940 Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles in the United States and Federalized Territories.

573.6 (c) (4) - Estimated Percentage of Affected Vehicles with the Condition

100%

573.6 (c) (5) - Description of the Defect

Jaguar Land Rover received an initial field report in February, 2013, of a vehicle that had cut out while in motion. Upon inspection, the Charge Air Cooler (CAC) hose was detached from the charge air cooler resonator. Further field reports were received in April-June, 2013.

The CAC assembly on XF vehicles is made up of two flexible hoses and central metal resonator. As a result of supplier manufacturing process capabilities and incorrect design tolerances, the hose to resonator joint may not be fully secure. The position of one of the flexible hoses and the associated hose clip can be incorrectly located during the CAC assembly process and the joint clip may not achieve the required clamp load. When the CAC assembly is subjected to high boost pressures, for example during vehicle acceleration, the hose clip may not retain the hose and the joint subsequently may separate. The driver may hear a loud pop noise as the joint separates and the engine may cut out.

Customers are reporting engine cut out without warning and an inability to restart. Should engine cut out occur, the brake vacuum reservoir will be depleted and the vehicle will lose brake power assistance; however, foundation brakes continue to operate. Power Assisted Steering (PAS) will also be lost once the vehicle speed drops below the torque converter speed threshold; however, the vehicle steering will remain functional with increased steering effort required. The vehicle will not re-start. Diagnostic Trouble Code (DTC) P2034 is also recorded in the powertrain control module.

Jaguar Land Rover has concluded that joint separation of the CAC assembly in this installation leads to engine cut out without warning and could potentially cause a crash.

573.6 (c) (6) - Chronology of Events

Jaguar Land Rover received an initial field report in February 2013 of a vehicle that had cut out while in motion. Upon inspection, the CAC hose was detached from the resonator. Further reports were received in April 2013.

On the April 15, 2013 Jaguar Land Rover Critical Concerns Review Group (CCRG) opened an investigation to review this condition. When the hose clip is tightened, the required torque value is established without the required joint clamp load being achieved.

During the course of May-June, 2013, further field reports of this condition were received and the CCRG continued the investigation into this matter. To better understand the scope of this issue, an Update Prior to Sale (Field Service Action ref. K178) was issued on May 10, 2013, to retailers to gather specific technical information. Further engineering investigations thru June, 2013, identified that this condition was caused by tolerance stack up during the CAC assembly process.

On June 24, 2013, the CCRG reviewed all available data and concluded the issue be progressed to the Jaguar Land Rover Technical Review Group (TRG) for consideration.

The TRG reviewed all information and analysis on the June 25, 2013, and recommended that this concern be progressed to the Jaguar Land Rover Field Review committee (FRC).

The FRC convened on July 26, 2013, and concluded that the concern represented an unreasonable risk to safety and that a voluntarily safety recall be conducted.

There has been one reported low speed accident as a consequence of this concern. There have been no reports of injuries as a result of this concern.

573.6 (c) (8) (i) Manufacturer's Remedy Program and Reimbursement Plan

Owners will be notified and instructed to take their vehicles to a Jaguar Dealer who will inspect the CAC assembly and ensure the hose clip on the resonator hose is in the correct position and is torqued to the correct specification. No parts are required.

There will be no charge to owners for this repair.

573.6 (c) (8) (ii) Estimated Notification Date to Owners and Dealers

Mailing of owner notification letters will occur on or before September 27, 2013. Notifications to dealers will occur on August 07, 2013.

573.6 (c) (10) - Notices, Bulletins, and Other Communications Related to the Defect

Jaguar Land Rover does not plan to make a public statement concerning the subject matter of this action. A copy of the notification letters to dealers and owners from Jaguar Land Rover will be forwarded when available.

573.6 (c) (11) - Recall Number

Jaguar Land Rover has assigned recall number J034 to this recall action.