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By Recall Management Division at 10:23 am, Mar 31, 2014



Jaguar Land Rover North America, LLC
555 MacArthur Boulevard
Mahwah, NJ 07430
201-818-8500

March 28, 2014

14V-181
6 PAGES

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

Subject: Jaguar Land Rover Recall Number J034 – Certain 2013 and 2014 Model Year 2.0L GTDi Gasoline Engine Jaguar XF vehicles for Charge Air Cooler Hose Detachment (NHTSA 13V341) - Amended

Dear Ms. Lewis:

Pursuant to 49 CFR 573, Defect and Non-compliance Responsibility and Reports, Jaguar Land Rover North America, LLC is submitting amended information concerning a recall that is being voluntarily initiated. This is an expansion of recall 13V341 previously reported to the agency on August 2, 2013.

Summary

- Action – Jaguar Land Rover is conducting a voluntary safety recall campaign involving certain 2013 and 2014 Model Year (MY) Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles built at the Castle Bromwich (UK) Assembly Plant between July 2012 to October 2013.
- Number of Vehicles Involved – 1589 additional Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles in the United States and Federalized Territories within the following VIN range:

Original VIN range
XF SAJWA0ES7DPS55275 to SAJAC04NXDPS92126
July 2012 to May 2013

Extended VIN Range
XF SAJWA0ES7DPS55275 to SAJWA0ESXEPU10449
July 2012 to October 2013

Total number of vehicles involved is 2529.

- 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 and 2014 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 have concluded that joint separation of the CAC assembly leads to engine cut out without warning and could potentially cause a crash.

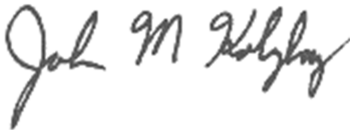
Should engine cut out occur, the brake vacuum reservoir will be depleted and the vehicle will lose brake power assistance, however foundation brakes continue to operate. Power Assisted Steering (PAS) will also be lost once the vehicle speed drops below the torque converter speed threshold; however the 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 that reads "John M. Kobylarz". The signature is written in a cursive, flowing style.

John Kobylarz
Safety Compliance Manager
Jaguar Land Rover North America, LLC

Attachment

49 CFR Part 573 - DEFECT INFORMATION REPORT
RECALL J034 – Certain 2013 and 2014 MY 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 and 2014MY Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles built at the Castle Bromwich (UK) Assembly Plant between July 2012 to October 2013. This is an expansion of recall 13V341 previously reported to the agency on August 2, 2013.

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

1589 additional (was 957) Jaguar XF 2.0L GTDi Gasoline engine derivative vehicles in the United States and Federalized Territories within the VIN range:-

XF SAJWA0ES7DPS55275 to SAJWA0ESXEPU10449
July 2012 to October 2013

Total number of vehicles involved is 2529.

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 have 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.

Additional information:

Further field reports were received post the assured VIN cut-off point during September, October and November 2013. The CCRG investigation was re-opened on November 21, 2013 to identify the cause of these additional failures.

Engineering investigations throughout November, December 2013 and January 2014 identified the interim containment actions instigated by the supplier from which Jaguar Land Rover generated the original assured VIN's were not reliable. A total of 77 world-wide reports of the joint separating and engine cut-out, on vehicles after the declared containment VIN point have been received.

A revised design of resonator which is not susceptible to manufacturing variability was introduced from vehicles built on October 1, 2013.

The investigation was progressed to the TRG on March 6, 2014. The TRG recommended that the affected VIN range issued with recall J034 be extended up to the introduction of the revised resonator design.

The FRC convened on March 21, 2014 and concluded that the original assured VIN was no longer reliable and that the VIN range for J034 recall be extended to ensure vehicles up to the introduction of the modified CAC resonator assembly in October 2013 be included in this recall campaign.

Since the original notification there have been no further reports of accidents or injuries as a result of this concern. It remains that there has been one reported low speed accident as a consequence of this concern with one reported alleged injury (As indicated in NHTSA DI13-081).

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 May 27, 2014. Notifications to dealers will occur on April 2, 2014.

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.