



March 14, 2011

Claude Harris  
Acting Associate Administrator for Enforcement  
National Highway Safety Administration  
1200 New Jersey Ave SE, Room W45-231  
Washington DC, 20590

Subject **Jaguar Recall Number J018 – 2010 Model Year Jaguar XK and XF vehicles for Power Assisted Steering (PAS) Pipe Replacement**

Dear Mr. Harris:

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 is conducting a voluntary safety recall involving 2010 Model Year Jaguar XK and XF vehicles built at the Castle Bromwich (UK) Assembly Plant from June 27, 2009 through to March 10, 2010 to replace selected Power Assisted Steering (PAS) pipes.

Number of Vehicles Involved –

6085 total vehicles in the United States and Federalized Territories.

1540 XK vehicles  
4545 XF vehicles

Affect on Vehicle Operation – A concern has been identified with 2010 Model Year XK and XF vehicles whereby the Power Assisted Steering (PAS) pipes have been supplied with zinc-nickel plating that does not meet fully the corrosion protection requirements of Jaguar's engineering specification.

After an extended period of time in service, corrosion of the PAS pipes will occur, this may lead to pin-holing of the pipe. Pin-holing of PAS pipes could allow pressurized PAS fluid to leak into the

under-hood and engine bay area. Loss of PAS fluid will cause PAS system noise and loss of power assisted steering; steering control is fully maintained in an unassisted state. It is also possible that the PAS fluid may ignite if it comes into contact with an ignition source or a surface at sufficiently high enough temperature.

Service Program -

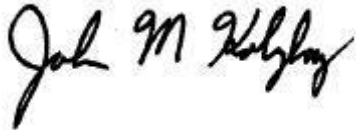
Authorized repairers will replace the PAS pipes with parts manufactured to the required corrosion protection specification.

There will be no charge to owners for this recall action.

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 M. Kobylarz  
Automotive Safety Office  
Jaguar Land Rover North America, LLC

Attachment

**49 CFR Part 573 - DEFECT INFORMATION REPORT RECALL J018 – 2010 Model Year Jaguar XK and Jaguar XF vehicles**

573.6 (c) (1) - Manufacturer Identification

Manufacturer Corporate Name

Jaguar Cars Limited,  
Abbey Road,  
Whitley,  
Coventry,  
CV3 4LF  
United Kingdom

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

2010 Model Year Jaguar XK and Jaguar XF vehicles built at the Castle Bromwich (UK) Assembly Plant:

XK vehicles built from June 27, 2009 to March 10, 2010 within VIN range SAJWA4GB7ALB34725 to SAJWA4FB8ALB38302 are potentially affected.

XF vehicles built from July 13, 2009 to February 25, 2010 within VIN range SAJWA0GB5ALR57918 to SAJWA0GB3ALR78198 are also potentially affected.

573.6(c) (2) (iv) – Part Numbers, Components affected and Components Final Country of Manufacture

Description	Service Part Number
V8 PAS Pipe - Return - XF	C2C41606
V8 PAS Pipe - Pressure - XF	C2C41604
V8 PAS Pipe - Pressure - XF	C2Z20222
V8 PAS Pipe - Pressure - XK	C2D18857

This is a condition that relates to components supplied by:

ORDA OTOMOTIV A.S.  
BURSA SERBEST BOELGESI  
HISAR MAH. LIMAN YOLU  
GEMLIK  
BURSA  
TR TURKEY

Contact Name: Mr. Larry Denton  
Telephone: +33 1300677482

Turkey is the final country of component manufacture.

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

6085 total vehicles in the United States and Federalized Territories.

1540 XK vehicles  
4545 XF vehicles

(Selected vehicles within stated VIN range)

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

Unknown

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

A concern has been identified with 2010 Model Year XK and XF vehicles whereby the Power Assisted Steering (PAS) pipes have been supplied with zinc-nickel plating that does not meet fully the corrosion protection requirements of Jaguar's engineering specification.

After an extended period of time in service, corrosion of the PAS pipes will occur, this may lead to pin-holing of the pipe. Pin-holing of PAS pipes could allow pressurized PAS fluid to leak into the under-hood and engine bay area. Loss of PAS fluid will cause PAS system noise and loss of power assisted steering; steering control is fully maintained in an unassisted state. It is also possible that the PAS fluid may ignite if it comes into contact with an ignition source or a surface at sufficiently high enough temperature.

573.6 (c) (6) - Chronology of Events

In October 2009, Jaguar's Critical Concerns Review Group (CCRG) opened an investigation having received notification of a component salt spray test failure. During November 2009 Jaguar's Materials Laboratory conducted corrosion testing on batch samples from a number of component production dates to understand the variability in corrosion performance of the PAS pipes for a number of production periods. During January 2010 it was further identified that the supplier, applying the corrosion protection coating in Turkey, may not have applied the required coating thickness to all PAS pipes.

At the end of January 2010, the investigation was progressed to the Technical Review Group (TRG), where the TRG concluded that insufficient technical understanding of 'in use' corrosion performance and the effect on the vehicle operation was available. The TRG requested further analysis and investigation to be conducted by the CCRG.

Detailed engineering investigations were conducted into the various aspects of zinc-nickel plating techniques, processes and controls to support Jaguar's technical understanding of the consequences of this condition. At the December 2010 TRG, the results of this detailed investigation were reviewed. The scope of the issue was then reviewed during the course of January and February 2011 and the matter progressed to Jaguar's Field Review Committee (FRC).

The Jaguar FRC met on March 7, 2011 and Jaguar decided to voluntarily conduct a safety recall for the vehicles to replace the affected PAS pipes on all affected vehicles.

Jaguar has not received any reports of PAS pipe issues due to insufficient corrosion protection. There have been no reports of accidents, vehicle fires or 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 vehicle to a Jaguar approved repairer to have the Power Assisted Steering pipes replaced with parts manufactured to the required corrosion protection specification.

There will be no charge to owners for this replacement action.

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

Mailing of owner notification letters will occur during the week of April 11, 2011. Notification to dealers will occur on March 17, 2011.

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

Jaguar 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 will be forwarded when available.

#### 573.6 (c) (11) -- Recall Number

Jaguar has assigned recall number J018 to this recall action.