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December 06, 2012

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: Land Rover Recall Number P029 – Certain 2012 Model Year Land Rover LR2 and Range Rover Evoque Vehicles for Rear Brake Caliper Bolts

Dear Ms. Lewis:

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

Summary

1. Action – Land Rover is conducting a voluntary safety recall involving certain 2012 Model Year Land Rover LR2 and Range Rover Evoque vehicles built at the Halewood (UK) Assembly Plant on June 11, 2012, to inspect both rear brake calipers and re-torque or replace the brake caliper mounting bolts.

2. Number of Vehicles Involved –

   26 -- 2012 MY Land Rover LR2
   44 -- 2012 MY Land Rover Range Rover Evoque

   Vehicles located in the United States and Federalized Territories.

3. Affect on Vehicle Operation – A concern has been identified where customers may report abnormal brake noise from the rear of the vehicle while driving or when the service brakes are applied. This abnormal noise warns the driver that there is an issue with the vehicles braking system. Should this warning be ignored one or both of the brake caliper bolts may become sufficiently loosened to detach from the vehicle. Should both bolts become detached, the brake caliper may detach from the rear suspension knuckle and impact with the rotating road wheel which may lead to the loss of function of a brake circuit and potential sudden deflation of the wheel and tire assembly. Loss of a brake circuit's function or sudden deflation of a tire will lead to an increased risk of a vehicle crash.

4. Service Program – Dealers will inspect both rear brake calipers and check that the caliper mounting bolts are tightened to the correct torque. Should one or both of the brake caliper bolts become sufficiently loosened to detach from the vehicle, the rear brake caliper will be positioned correctly and new bolts installed and tightened to the correct torque.

   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,

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

Attachment

49 CFR Part 573 - DEFECT INFORMATION REPORT RECALL P029
2012 MODEL YEAR LAND ROVER LR2 and RANGE ROVER EVOQUE VEHICLES

573.6 (c) (1) - Manufacturer Identification

Manufacturer Corporate Name

Land Rover
Banbury Road
Gaydon
Warwick
England
CV35 0RR

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

Land Rover is conducting a voluntary safety recall involving certain 2012 Model Year Land Rover LR2 and Range Rover Evoque vehicles built at the Halewood (UK) Assembly Plant on June 11, 2012 to inspect both rear brake calipers and re-torque or replace the bolts.

Vehicles within the VIN ranges below are potentially affected.

LR2	SALFR2BN2CH307897 to SALFR2BN0CH307994
Range Rover Evoque	SALVV2BG4CH688094 to SALVT1BG2CH688417

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

This is a manufacturing concern and no component supplier is involved.

Replacement component part number LR042690 – Brake Caliper Bolt.

The UK is the final country of manufacture.

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

26 -- 2012 MY Land Rover LR2
44 -- 2012 MY Range Rover Evoque

Vehicles located 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

Drivers may report abnormal noise from the rear of the vehicle when driving or when the service brakes are applied. This abnormal noise warns the driver that there is an issue with the vehicles braking system. Should this warning be ignored one or both of the brake caliper bolts may become sufficiently loosened to detach from the vehicle. Should both bolts become detached, the brake caliper may detach from the rear suspension knuckle and impact with the rotating road wheel leading to loss of function of a brake circuit and potential sudden deflation of the associated wheel and tire assembly. Loss of a brake circuit's function or sudden deflation of a tire will lead to an increased risk of a vehicle crash.

573.6 (c) (6) - Chronology of Events

Land Rover received a dealer report on the June 28, 2012, where a customer had complained of unusual noise when applying the service brake. Dealer inspection found that the lower securing bolt of the rear right hand side brake caliper mounting bracket had detached from the vehicle.

Land Rover received further dealer reports during mid-September 2012 and identified the emergence of a pattern or trend of similar incidents. A stop shipment was issued from the Halewood UK manufacturing plant on September 18, 2012. Land Rover opened a Critical Concerns Review Group (CCRG) investigation on October 15, 2012, in order to identify the root cause of this issue.

During CCRG reviews in October and early November, 2012, Land Rover engineering identified that during the manufacture of rear suspension sub-assemblies the brake caliper bolts may not have been correctly assembled to the required torque specification. It was also identified from a review of Analytical Warranty System (AWS) field data that the failures were all from the same production date June 11, 2012.

Analysis of the production facility maintenance records identified that on June 11, 2012, maintenance activities were performed on the automated sub-assembly line for the manufacture of the rear suspension assemblies on LR2 and Range Rover Evoque vehicles. The investigation identified that during these maintenance activities the sub-assemblies were displaced from the automated sub-assembly line in order to conduct repairs to the assembly line. Further investigation highlighted that the sub-assemblies may not have been correctly sequenced when the automated sub-assembly line was restarted. As a consequence of the sub-assemblies no longer being in the correct sequence the system incorrectly assigned OK Direct Current (DC) tool results to Not OK (NOK) assemblies. Good OK assemblies were also identified as NOK in error. Assemblies highlighted as NOK were subject to an over check repair and then dispatched into the vehicle manufacturing process. Those assemblies incorrectly indicated as OK continued into the vehicle manufacturing process unrepaired.

Unrepaired rear suspension assemblies released into the manufacturing process may have the brake caliper mounting bolts incorrectly torqued to a value below specification.

573.6 (c) (6) - Chronology of Events (continued)

The CCRG conducted further review on November 5, 2012, and concluded that this matter should be progressed to the Land Rover Technical Review Group (TRG) for consideration.

The investigation was reviewed at the Land Rover TRG November 26, 2012, where the full failure mode and the scope of vehicle population manufactured on the June 11, 2012, were reviewed. The TRG recommended the issue be progressed to the Land Rover Field Review committee (FRC).

The FRC was convened on the November 29, 2012, and concluded that the concern represented an unreasonable risk to safety and that a voluntarily recall be conducted.

There have been no reports of accidents 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 vehicles to a Land Rover dealer who will inspect both rear brake calipers and check that the caliper mounting bolts are tightened to the correct torque. Should one or both of the brake caliper bolts become sufficiently loosened to detach from the vehicle, the rear brake caliper will be positioned correctly and new bolts installed and tightened to the correct torque.

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 January 18, 2013. Notifications to dealers will occur on December 11, 2012.

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

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 Land Rover will be forwarded when available.

573.6 (c) (11) - Recall Number

Land Rover has assigned recall number P029 to this recall action.