

**Part 573 Safety Recall Report****15V-092****Manufacturer Name :** Jaguar Land Rover North America, LLC**Submission Date :** FEB 12,2015**NHTSA Recall No. :** 15V-092**Manufacturer Recall No. :** P056**Manufacturer Information :**

Manufacturer Name : Jaguar Land Rover North America, LLC

Address : 555 MACARTHUR BOLULEVARD

MAHWAH NJ 07430

Company phone : 201-760-8534

**Population :**

Number of potentially involved : 20

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2015-2015 Land Rover Range Rover

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 2015 Land Rover Range Rover in Selected VIN Range.

Production Dates : JAN 06, 2015 - JAN 23, 2015

**VIN (Vehicle Identification Number) Range**

Begin : SALGS2TF3FA212195

End : SALGS2TF3FA214917

 Not sequential VINs

Vehicle : 2015-2015 Land Rover Range Rover Sport

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 2015 Land Rover Range Rover Sport in Selected VIN Range.

Production Dates : JAN 06, 2015 - JAN 23, 2015

**VIN (Vehicle Identification Number) Range**

Begin : SALWR2VF2FA516493

End : SALWR2VF0FA516914

 Not sequential VINs

Vehicle : 2015-2015 Land Rover LR4

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : 2015 Land Rover LR4 in Selected VIN Range.

Production Dates : JAN 06, 2015 - JAN 23, 2015

**VIN (Vehicle Identification Number) Range**

Begin : SALAK2V66FA755236

End : SALAG2V62FA758295

 Not sequential VINs**Description of Defect :**

Description of the Defect : A concern has been identified where the wheel nuts fitted to certain 2015 Model Year Land Rover Range Rover, Range Rover Sport and LR4 vehicles may not be to the correct specification.

Wheel nuts installed on the affected vehicles may have been manufactured from raw material where the Ultimate Tensile Strength (UTS) is lower than that required. In this condition some wheel nuts may crack and detach from the wheel hub stud when subjected to shock loading.

In the event of there being 2 or more wheel nuts fitted to a wheel hub where the UTS is lower than required, and the wheel hub is been subjected to shock loading, the remaining wheel nuts may not be sufficiently strong to secure the wheel to the wheel hub.

Description of the Safety Risk : Wheels may therefore detach leading to loss of vehicle control which increases the risk of a vehicle crash.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

**Supplier Identification :****Component Manufacturer**

Name : Anixter

Address : Spitfire Road

Spitfire Park Birmingham FOREIGN STATES B24 9PR

Country : United Kingdom

**Chronology :**

On January 22, 2015 a stop shipment notification was issued by the Solihull assembly plant for Rover Range Rover, Range Rover Sport and LR4 vehicles where it was identified that some wheel nuts were cracking and detaching from vehicles.

On investigation by Jaguar Land Rover engineering, it was identified that the nuts were failing by either the thread stripping or by fracturing near the fillet radius. The first failure in plant assembly was recorded on January 16, 2015 and a subsequent failure was recorded on January 21, 2015.

A review of the Direct Control (DC) tooling used to secure the wheel nuts during manufacture revealed a number of instances of angle of rotation in excess of 90 Degrees.

The issue was opened at Jaguar Land Rover's Critical Concerns Review Group (CCRG) on February 02, 2015. Investigations through the supply chain revealed that the raw material for a batch of wheel nuts did not meet specified required mechanical properties for Ultimate Tensile Strength (UTS). The approved process requires nuts to be manufactured from cold drawn steel stock. In this instance, hot rolled steel was used which has a lower UTS range.

Engineering also completed a further review of the DC tooling database on January 22, 2015 and confirmed all parts are now meeting specification. The CCRG concluded that vehicles fitted with hot rolled steel stock may be at risk and the investigation be progressed to the Jaguar Land Rover Technical Review Group (TRG).

The TRG reviewed all information on February 05, 2015 and recommended that this concern be progressed to the JLR Field Review committee (FRC).

The FRC was also convened on February 05, 2015 and concluded that the concern represented an unreasonable risk to safety and that a voluntarily safety recall be conducted.

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

**Description of Remedy :**

Description of Remedy Program : Owners will be notified and instructed to take their vehicle to a Land Rover dealer who will replace the wheel nuts with wheel nuts to the correct material specification. Locking wheel nuts are not affected by this concern.

There will be no charge to owners for this repair.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

**Recall Schedule :**

Description of Recall Schedule : Mailing of owner notification letters will occur on or before April 17, 2015.  
Notifications to dealers will occur on February 18, 2015.

Planned Dealer Notification Date : FEB 18, 2015 - FEB 18, 2015

Planned Owner Notification Date : APR 17, 2015 - APR 17, 2015

\* NR - Not Reported