Part 573 Safety Recall Report

15V-141

Manufacturer Name : BMW of North America, LLC
Submission Date : MAR 10,2015
NHTSA Recall No. : 15V-141
Manufacturer Recall No. : NR

Manufacturer Information :

Manufacturer Name : BMW of North America, LLC
Address : P.O. Box 1227
200 Chestnut Ridge Road Westwood NJ 07675-122
Company phone : 999-999-9999

Population :

Number of potentially involved : 43,426
Estimated percentage with defect : 5

Vehicle Information :

Vehicle : 2005-2010 BMW R 1200 GS
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 11,991 motorcycles are affected.
Production Dates : JAN 06, 2004 - APR 01, 2010

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2006-2010 BMW R 1200 GS Adventure
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 5,238 motorcycles are affected.
Production Dates : DEC 07, 2005 - APR 01, 2010

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2005-2010 BMW R 1200 RT
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS

Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 11,367 motorcycles are affected.
Production Dates : JAN 27, 2005 - MAR 29, 2010

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2007-2010 BMW R 1200 R
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 1,920 motorcycles are affected.
Production Dates : AUG 30, 2006 - FEB 09, 2010

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2007-2007 BMW R 1200 S
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 477 motorcycles are affected.
Production Dates : MAR 30, 2006 - SEP 27, 2006

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2005-2007 BMW R 1200 ST
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 555 motorcycles are affected.
Production Dates : OCT 21, 2004 - JUN 15, 2007

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2008-2009 BMW HP2 Megamoto
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 93 motorcycles are affected.
Production Dates : MAY 22, 2007 - SEP 25, 2008

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2006-2006 BMW HP2 Enduro
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 364 motorcycles are affected.
Production Dates : AUG 10, 2005 - FEB 17, 2006

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2008-2010 BMW HP2 Sport
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 196 motorcycles are affected.
Production Dates : FEB 27, 2008 - SEP 04, 2009

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2005-2008 BMW K 1200 S
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 3,866 motorcycles are affected.
Production Dates : APR 14, 2004 - AUG 26, 2008

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2007-2007 BMW K 1200 R Sport
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 488 motorcycles are affected.
Production Dates : SEP 06, 2006 - MAY 22, 2007

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2006-2008 BMW K 1200 R
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 1,373 motorcycles are affected.
Production Dates : JAN 21, 2005 - MAR 18, 2008

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2006-2008 BMW K 1200 GT
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 3,057 motorcycles are affected.
Production Dates : NOV 28, 2005 - APR 04, 2008

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2009-2011 BMW K 1300 S
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS

Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 1,289 motorcycles are affected.
Production Dates : SEP 11, 2008 - NOV 23, 2010

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2010-2011 BMW K 1300 R
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 4 motorcycles are affected.
Production Dates : MAR 29, 2010 - JAN 27, 2011

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Vehicle : 2009-2010 BMW K 1300 GT
Vehicle Type : MOTORCYCLES
Body Style :
Power Train : GAS
Descriptive Information : On affected motorcycles, the rear wheel flange threaded holes can crack if the wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure. 1,148 motorcycles are affected.
Production Dates : OCT 17, 2008 - MAY 27, 2010

VIN (Vehicle Identification Number) Range

Begin : NR End : NR ☐ Not sequential VINs

Description of Defect :

Description of the Defect : This recall involves the rear wheel flange. If the rear wheel bolts are tightened beyond the specified torque limit when reinstalled after a service procedure, cracks could develop in the rear wheel flange.
Description of the Safety Risk : Over time, the bolts could loosen and potentially "back out" of their threaded holes. This could lead to a loss of stability of the motorcycle, and increase the risk of a crash.
Description of the Cause : NR
Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

FOREIGN STATES

Country : NR

Chronology :

On August 6, 2014, BMW became aware of this issue as a result of a reported accident in Spain with a high-mileage 2004 R 1200 RT. BMW requested the parts for review and analysis.

At the end of August 2014, the analysis concluded that the rear wheel had separated from the flange as a result of cracks on the flange. Due to the unique nature of this issue, BMW determined that further analyses were warranted.

At the end of November, the customer agreed to provide their motorcycle to BMW for analysis and inspection. In January 2015, the inspection indicated that the motorcycle was in overall good condition, and that the customer had performed all required services at the correct time and distance intervals. However, it was determined that cracks had been induced in the rear wheel flange threaded bolt holes due to excessive applied torque during servicing.

Also in January 2015, BMW inspected customer motorcycles in the Munich area for possible cracks on the rear wheel flange. A total of 58 motorcycles were able to be inspected. These motorcycles had been maintained in different servicing facilities and had been ridden between 2,500 and 40,000 miles. Three (3) of the 58 motorcycles required a new wheel flange due to observed cracks. The three wheel flanges were subsequently tested in the laboratory. The lab concluded that the bolts had been excessively tightened during servicing.

On February 5, 2015, BMW decided to conduct a service action with customer notification. On February 26, 2015, BMW received a letter from the German regulatory authority ("KBA"), with a request to conduct a recall. On March 5, 2015, BMW decided to conduct a voluntary recall.

BMW has received the previously indicated report of one accident with minor injuries related to this issue. The rider and passenger experienced bruises and abrasions.

Description of Remedy :

Description of Remedy Program : The aluminum rear wheel flange will be replaced by a steel rear wheel flange.

How Remedy Component Differs from Recalled Component : NR

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

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : MAR 10, 2015 - MAY 08, 2015

Planned Owner Notification Date : APR 21, 2015 - MAY 08, 2015

* NR - Not Reported