

Part 573 Safety Recall Report

21V-060

Manufacturer Name : BMW of North America, LLC

Submission Date : FEB 08, 2021

NHTSA Recall No. : 21V-060

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : BMW of North America, LLC

Address : P.O. Box 1227

Westwood NJ 07675-1227

Company phone : 18005257417

Population :

Number of potentially involved : 20,963

Estimated percentage with defect : 10 %

Vehicle Information :

Vehicle 1 : 2011-2014 BMW S 1000 RR / S 1000 R / HP4

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

Descriptive Information : Approximately 5,911 motorcycles are equipped with a fuel pump that has been produced by the supplier with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Basis for recall population determination: Vehicle assembly information and supplier production records were reviewed to determine motorcycles equipped with a fuel pump containing a support ring installed at the quick connector on the pump flange by a pneumatic fastening tool.

Recall component difference to non-recall component: The fuel pump was produced with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Production Dates : APR 04, 2011 - FEB 28, 2014

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 2 : 2011-2014 BMW R 1200 GS / GS Adventure / R / RT

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

Descriptive Information : Approximately 8,048 motorcycles are equipped with a fuel pump that has been produced by the supplier with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Basis for recall population determination: Vehicle assembly information and supplier production records were reviewed to determine motorcycles equipped with a fuel pump containing a support ring installed at the quick connector on the pump flange by a pneumatic fastening tool.

Recall component difference to non-recall component: The fuel pump was produced with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Production Dates : MAR 28, 2011 - JUN 12, 2014

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2014-2014 BMW R nine T

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

Descriptive Information : Approximately 307 motorcycles are equipped with a fuel pump that has been produced by the supplier with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Basis for recall population determination: Vehicle assembly information and supplier production records were reviewed to determine motorcycles equipped with a fuel pump containing a support ring installed at the quick connector on the pump flange by a pneumatic fastening tool.

Recall component difference to non-recall component: The fuel pump was produced with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Production Dates : JUL 08, 2013 - FEB 12, 2014

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2011-2014 BMW K 1300 S

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

Descriptive Information : Approximately 706 motorcycles are equipped with a fuel pump that has been produced by the supplier with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Basis for recall population determination: Vehicle assembly information and supplier production records were reviewed to determine motorcycles equipped with a fuel pump containing a support ring installed at the quick connector on the pump flange by a pneumatic fastening tool.

Recall component difference to non-recall component: The fuel pump was produced with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Production Dates : APR 29, 2011 - FEB 26, 2014

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2011-2014 BMW K 1600 GT / GTL / GTL Exclusive

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

Descriptive Information : Approximately 5,991 motorcycles are equipped with a fuel pump that has been produced by the supplier with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Basis for recall population determination: Vehicle assembly information and supplier production records were reviewed to determine motorcycles equipped with a fuel pump containing a support ring installed at the quick connector on the pump flange by a pneumatic fastening tool.

Recall component difference to non-recall component: The fuel pump was produced with a support ring installed at the quick connector location on the pump flange by a pneumatic fastening tool.

Production Dates : APR 18, 2011 - FEB 28, 2014

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : This safety recall involves the fuel pump and, on applicable models, the auxiliary fuel pump. During supplier production of the fuel pump, a support ring was installed on the fuel pump flange at the location of the quick connector using a pneumatic fastening tool that could introduce unwanted tolerance during the fastening process. Over time, cracks could start to form at this location and propagate. Eventually, this could lead to a small leak during operation. After the engine is shut off, the leak will stop.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Fuel, in the presence of an ignition source, may result in a fire.

Description of the Cause : NR

Identification of Any Warning that can Occur : The rider may notice an odor of fuel.

Involved Components :

Component Name 1 : Fuel Pump

Component Description : Fuel Pump

Component Part Number : Fuel Pump – part number – model dependent

Supplier Identification :**Component Manufacturer**

Name : Vitesco Technologies GmbH

Address : Arminiusstr 59

Dortmund Foreign States 44149

Country : Germany

Chronology :

Please refer to BMW's December 12, 2013 and August 10, 2020 Part 573 reports, assigned NHTSA Recall IDs 13V-617 and 20V-471 respectively, by the agency.

During the review process that led to 20V-471, BMW started to review complaints of fuel leaks for a population of motorcycles which were equipped at the vehicle assembly plant with a fuel pump containing a support ring

installed during supplier production by a pneumatic fastening tool. In September 2020, BMW requested parts for analysis and testing and, later in 2020, engineering analyses were conducted as well as statistical forecasting.

In January 2021, BMW received additional complaints and those were reviewed with a focus on the possibility that those complaints might also pertain to fuel pumps containing a support ring installed during supplier production by a pneumatic fastening tool. An analysis was performed of leaks by fuel pump build level configuration. The review indicated that fuel pumps produced with a support ring specifically installed by a pneumatic fastening tool could introduce unwanted tolerance during the fastening process and, over time, lead to fuel pump flange crack propagation at the location of the quick connector. Ultimately, this could result in a fuel leak.

On February 1, 2021, BMW decided to conduct a voluntary safety recall.

Description of Remedy :

Description of Remedy Program : The fuel pump(s) will be replaced by an improved version in which the support ring at the quick connector location of the flange has been installed by an electric fastening tool during supplier production.

Owners will be notified by First Class mail and instructed to take their motorcycle to an authorized BMW motorcycle dealer to have the remedy performed for free. Owners who have replaced the fuel pump at their own expense prior to the recall notification may be eligible for reimbursement according to BMW Group's reimbursement plan in accordance with 49 CFR 573.13 and 49 CFR 577.11.

How Remedy Component Differs from Recalled Component : Fuel Pump – part number – model dependent

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

Recall Schedule :

Description of Recall Schedule : Notification to dealers is planned to begin and end on February 15, 2021. Notification to owners is planned to begin and end on April 2, 2021.

Planned Dealer Notification Date : FEB 15, 2021 - FEB 15, 2021

Planned Owner Notification Date : APR 02, 2021 - APR 02, 2021

* NR - Not Reported