

# Part 573 Safety Recall Report

# 16V-689

**Manufacturer Name :** BMW of North America, LLC**Submission Date :** SEP 22, 2016**NHTSA Recall No. :** 16V-689**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 : 1,398

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2013-2016 BMW G650GS

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

**Descriptive Information :** On affected motorcycles, the engine may stall under the following operating conditions: the clutch lever is engaged and the engine is operating at idle speed. Approximately 1183 motorcycles are affected.

Production Dates : MAR 08, 2013 - OCT 12, 2015

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2013-2015 BMW G650GS Sertao

Vehicle Type : MOTORCYCLES

Body Style :

Power Train : GAS

**Descriptive Information :** On affected motorcycles, the engine may stall under the following operating conditions: the clutch lever is engaged and the engine is operating at idle speed. Approximately 215 motorcycles are affected.

Production Dates : MAR 08, 2013 - MAY 23, 2014

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

**Description of the Defect :** This recall involves the engine control unit software which regulates the idle speed. If the clutch lever is engaged and the engine is operating at idle speed, the engine may stall. The reported engine stalling typically occurs shortly before the motorcycle is brought to a stop.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Engine stalling could 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

NR

Country : NR

## Chronology :

After our recall on August 20, 2015, BMW became aware of this issue again because of a non-US case reported on September 7, 2015. The motorcycle was a MY 2015 G 650 GS with a mileage of 4215km. BMW requested the vehicle for review and analysis. There was one additional case reported in September 2015. The problem could not be duplicated on either of the two cases.

By February 2016, BMW received a few cases where the failure could not be duplicated. In March 2016, BMW received 10 additional cases so BMW obtained vehicles from the dealers for further testing and analysis.

In May 2016, testing was initiated on five vehicles with this complaint over a time period of 14 weeks (nearly 4000km). The problem could not be duplicated so BMW decided to send experts to Brazil to check the vehicles.

In August 2016, a group of experts went to Brazil. During this 3-week time period, six vehicles were tested and analyzed. The investigation found that when a shutdown of the engine control unit occurred, the correct values of the stepper position were lost. Without correct values of the stepper position, a stable idling cannot be ensured. As a result, a revised engine control unit software with improved default values of idle stepper position was developed.

Between September 2015 and September 2016, BMW received 69 non-US cases.

BMW will continue to analyze information.

On September 15, 2016, BMW decided to conduct a voluntary recall.

BMW received one report of a minor accident without injury in Germany related to original software. BMW did not receive any reports of an accident with the updated software.

## Description of Remedy :

Description of Remedy Program : The motorcycles will be programmed with a revised engine control unit software version.

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 : SEP 22, 2016 - NR

Planned Owner Notification Date : NOV 18, 2016 - NR

\* NR - Not Reported