

Part 573 Safety Recall Report

16V-832

Manufacturer Name : BMW of North America, LLC**Submission Date :** NOV 15, 2016**NHTSA Recall No. :** 16V-832**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 : 91

Estimated percentage with defect : 75 %

Vehicle Information :

Vehicle 1 : 2011-2011 BMW 5 Series (528i, 528xi, 535i, 535xi, 550i, 550xi)

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : An acceleration sensor within the SCU (Sensor Cluster Unit) may have been incorrectly programmed.

Production Dates : MAR 01, 2010 - AUG 31, 2011

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : This safety recall involves the Sensor Cluster Unit (SCU). In a crash of sufficient severity, an acceleration sensor within the SCU helps determine if activation of the driver and/or passenger air bags, safety belt pre-tensioners and active head restraints is necessary.

Certain SCUs may have been incorrectly programmed by the supplier, entered the spare parts supply chain, and installed in vehicles at dealers during service visits. An incorrectly programmed SCU will result in an inadequate activation of one or more of the aforementioned restraint systems in a crash. Production vehicles were not affected by the programming error because in September 2011, a new crash sensor system was introduced for the US market.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In a crash of sufficient severity, inadequate activation of the driver and/or passenger air bags, safety belt pre-tensioners and active head restraints will increase the risk of injury.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : AUTOLIV SVERIGE AB
Address : Wallentinsvegen 22
Vargarda FOREIGN STATES S-447-83
Country : Sweden

Chronology :

In January 2016, a fatal accident involving a Model Year 2012 BMW 7 Series occurred in China. Although BMW was made aware of the incident, it did not have access to the vehicle for an inspection. However, a third-party inspection concluded that no defects were found with the vehicle's brake system, steering system, and lights. Subsequently, BMW received a claim, and reported the incident to NHTSA via the Part 579.21 (Early Warning Reporting) regulations.

At the end of July, the relevant parts became available for inspection. At that time, BMW provided the components to the supplier for inspection and analysis immediately.

On October 27, 2016, the supplier provided information to BMW regarding an issue with the SCU (Sensor Cluster Unit). The information pertained to an error during programming, and an analysis involving possible consequences.

BMW initiated a review of information from the field.

Based on supplier production records, affected SCUs for the US market were identified. It was determined that only spare parts were affected. Production vehicles were not affected by the programming error because in September 2011, a new crash sensor system was introduced for the US market.

BMW is examining the service and repair history records of its dealer organization to determine the potentially affected vehicles.

On November 7, 2016, BMW decided to conduct a voluntary safety recall.

Description of Remedy :

Description of Remedy Program : The SCU will be replaced.

How Remedy Component Differs from Recalled Component : The replacement SCU has the correct software programming.

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

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NOV 14, 2016 - NR

Planned Owner Notification Date : NOV 16, 2016 - NR

* NR - Not Reported