

# Part 573 Safety Recall Report

# 17V-087

**Manufacturer Name :** BMW of North America, LLC**Submission Date :** FEB 09, 2017**NHTSA Recall No. :** 17V-087**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 : 1,160

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2014-2014 BMW X1 sDrive28i, X1 xDrive28i, X1 xDrive35i

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : 1,160 vehicles were equipped with incorrect positive battery cable plug-in connectors for the front power distribution box.

Production Dates : JUL 03, 2013 - JUL 17, 2013

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : This recall involves the vehicle power supply system. On affected vehicles, electrical power is transferred from the battery to the fuse box by a positive battery ("B+") cable. The fuse box connector is tin-coated, and the B+ cable connector should be silver-coated. Due to a supplier error, some B+ cables with tin-coated connectors were delivered to BMW.

If relative movements between the B+ cable and the fuse box occur, then in combination with very high current flow, the tin-tin-coated connections may be susceptible to fretting over time. Depending upon the extent of the degradation of the connectors, variations in the electrical resistance at this connection could occur. With high current flow, increased heat on the connectors could be present and lead to further wear of the connectors.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Excessive wear of the connectors could eventually lead to a break in the electrical connection and create a non-starting condition in the vehicle. Also, a strong variation in the contact resistance could lead to a momentary

flickering of the display in the instrument cluster or to a momentary engine shut down. In an extreme case, the electrical system may be completely interrupted during vehicle operation resulting in engine stalling and a loss of various vehicle systems that could increase the risk of a crash.

Description of the Cause : The B+ cable connectors were coated with tin instead of silver.

Identification of Any Warning that can Occur : NR

## Supplier Identification :

### Component Manufacturer

Name : Kromberg & Schubert GmbH & Co KG

Address : Raitestrasse 8  
Renningen FOREIGN STATES 71272

Country : Germany

## Chronology :

BMW became aware of this issue as a result of field monitoring. Between June 2015 and September 2016, BMW received six complaints involving Model Year 2014 BMW X1 SAVs pertaining to a non-starting engine. One complaint from 2016 suggested that the vehicle's electrical system could be adversely affected.

By December 9, 2016, BMW received approximately ten complaints worldwide, including the six from the US. Initial analysis pointed to the vehicle's power supply system, although the BMW X1 SAV models were thought to be equipped with the stable silver-tin connection at the fuse box.

Further analyses and consultation with the supplier revealed that in July 2013, an incorrect batch of B+ cables (i.e., containing tin-coated connectors) was delivered to BMW.

Vehicle manufacturing and supplier production records were examined in order to determine the number, and production dates, of potentially affected vehicles.

On February 2, 2017, BMW decided to conduct a voluntary recall.

BMW has not received any reports, nor is BMW otherwise aware, of any accidents, injuries or fires related to this issue

## Description of Remedy :

Description of Remedy Program : The B+ cable connector will be replaced by one that is silver-coated and further secured to the fuse box.

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 : FEB 10, 2017 - NR

Planned Owner Notification Date : APR 03, 2017 - NR

\* NR - Not Reported