

Part 573 Safety Recall Report

16V-594

Manufacturer Name : Mazda North American Operations**Submission Date :** AUG 10, 2016**NHTSA Recall No. :** 16V-594**Manufacturer Recall No. :** 9816H**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 1025 Connecticut Avenue, NW

Suite 910 Washington DC 20036

Company phone : 800-222-5500

Population :

Number of potentially involved : 41,918

Estimated percentage with defect : NR

Vehicle Information :

Vehicle 1 : 2009-2010 Mazda Mazda6

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Certain MY 2009-2010 Mazda6 vehicles, built from February 4, 2008 through December 3, 2009, at the Auto Alliance International plant of Ford Motor Company in Flat Rock, Michigan.

Production Dates : FEB 04, 2008 - DEC 03, 2009

VIN Range 1 : Begin : 1YVHP82AX95M00001 End : 1YVHP82A395M52215 Not sequentialVIN Range 2 : Begin : 1YVHZ8BH3A5M00014 End : 1YVHZ8CB9A5M41192 Not sequential**Description of Defect :**

Description of the Defect : On the Sophisticated Air bag System (SAS) unit (other terms include Air Bag Control Unit (ACU), Restraint Control Module (RCM), Supplemental Restraint System (SRS), et al.) of the MY2009-2010 Mazda6, the protective coating was not applied properly on the power supply integrated-circuit (IC). Moisture may seep onto the layer and cause corrosion and swelling of the layer, resulting in failure of the SAS unit with illumination of the air bag warning light.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the power supply IC fails, the SAS unit could malfunction and cause the air bag warning light to illuminate. If the SAS unit is not replaced, the air bags may not deploy in a crash, which could increase the risk of injury. Pursuant to NHTSA's direction, Mazda has decided to conduct a voluntary safety recall though the air bag warning light illumination is in full compliance with Federal Motor Vehicle Safety Standards.

Description of the Cause : NR

Identification of Any Warning NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : Continental Automotive Systems, Inc.
Address : 1830 MacMillan Park Drive Fort Mill,
South Carolina. 29707
Country : United States

Chronology :

On Jan. 28, 2016, Continental-Japan contacted Mazda Corporation-Japan (MC) of a potential concern with the SAS unit.
On Feb. 2, 2016, MC notified Mazda North American Operations Quality Assurance-USA (MNAO-QA) of a potential concern with the MY 2009-2010 Mazda6 SAS unit. As information was not clear, further details were requested.
On Feb 3, 2016, MNAO-QA made contact with Continental-USA and gathered additional information.
On Feb 4, 2016, MC opened up a formal investigation.
On March 15, 2016, Investigation concluded and results summarized for further discussion with NHTSA.
On March 21, 2016, Presented summary to NHTSA in a teleconference meeting. The agency requested additional analysis by time-in-service versus failure rate.
On July 8, 2016, Submitted to NHTSA the requested analysis of time-in-service versus failure rate.
On July 20, 2016, Teleconference meeting held with NHTSA to review analysis. Mazda stated the concern is not safety related based on full compliance of FMVSS regulations for the SAS unit to illuminate the air bag warning light upon detection of a malfunction. However, NHTSA shared their view that, although the air bag light illuminates as a warning of a system malfunction to the vehicle driver, , failure of the SAS unit is viewed as a safety related defect because of potential failure rates that may occur from manufacturing variances.
On August 3, 2016, Pursuant to NHTSA's direction, Mazda decided to conduct a voluntary safety recall.

Description of Remedy :

Description of Remedy Program : The SAS unit will be replaced with a modified part. However, due to the large number of replacement parts needed, an initial owner letter will be mailed to notify vehicle owners of the concern. As parts become available, another follow-up letter indicating parts are ready will be mailed.

How Remedy Component Differs NR
from Recalled Component :

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

Recall Schedule :

Description of Recall Schedule : A draft of the planned owner letter will be provided when it becomes available.
Dealers will be notified of the voluntary recall in September, 2016.
The mailing of owner notification letter by first class mail will begin in Early October, 2016.

Planned Dealer Notification Date : SEP 16, 2016 - SEP 16, 2016

Planned Owner Notification Date : OCT 03, 2016 - OCT 03, 2016

* NR - Not Reported