

Part 573 Safety Recall Report

24V-695

Manufacturer Name : Mazda North American Operations

Submission Date : SEP 18, 2024

NHTSA Recall No. : 24V-695

Manufacturer Recall No. : 6924I



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 : 77,670

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2016-2023 Mazda MX-5 Miata

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Recall population was determined production records of vehicles installed with the suspected SAS (Sophisticated Air Bag Sensor) control module. Vehicles not included in the recall have the improved SAS control module software.

The following is the affected number of vehicles by MY/Make/Model:
MY2016-2023 Mazda MX-5 Miata built at Mazda Motor Corporation in Japan: 77,670 units

Production Dates : APR 20, 2015 - NOV 02, 2023

VIN Range 1 : Begin : JM1NDAC75G0100033 **End :** JM1NDAM70P0560957 Not sequential

Description of Noncompliance :

Description of the Noncompliance : During a minor crash or collision, a higher force air bag deployment may improperly occur instead of the expected lower force air bag deployment.

FMVSS 1 : 208 - Occupant crash protection

FMVSS 2 : NR

Description of the Safety Risk : If occupants do not use a seat belt, this may increase the risk of air bag induced injuries.

Description of the Cause : The SAS control module software does not meet the required FMVSS 208 for Occupant Crash Protection specifications.

Identification of Any Warning that can Occur : None.

Involved Components :

Component Name 1 : Unit, SAS

Component Description : SAS Control Module

Component Part Number : NA1J-57K3X/N243-57K3X

Supplier Identification :

Component Manufacturer

Name : Robert Bosch LLC

Address : 38000 Hills Tech Dr
Farmington Hills Michigan 48331

Country : United States

Chronology :

April 26, 2023: During development of newer model airbag sensors, Mazda discovered a calibration tool misconfiguration. Mazda decided to validate current settings in past models and, if applicable, measure the impact on collision detection sensitivity.

June 1, 2023 to September 1, 2023: Mazda conducted simulation tests of the mass production collision detection sensitivity for MX-5 Miata. Mazda suspected the possibility of non-compliance with FMVSS 208. Therefore, checks were initiated to verify during a minor crash or collision, if a higher force air bag deployment may improperly occur instead of the expected lower force air bag deployment. During this period, Mazda also conducted similar simulation tests for collision detection sensitivities for other Mazda models to understand the scope of the concern. Mazda verified these findings.

November 2, 2023: Mazda implemented a mass production change with improved software in the SAS control module.

January 16, 2024 to May 22, 2024: Mazda continued evaluations to check for further compliance issues by simulating test modes to confirm differences between mass production and initial sensitivity settings.

May 23, 2024: The verifications were completed, and Mazda confirmed other models were compliant with FMVSS 208 requirements.

August 28, 2024: Mazda confirmed no further changes were necessary in mass production units from the November 2, 2023 improvement.

September 11, 2024: Mazda held a Quality Audit Committee meeting to review all available information to date and approved a field action on subject MY2016-2023 MX-5 Miata vehicles.

As of September 11, 2024, Mazda is not aware of any reports of accidents or injuries related to this concern. Also, as of this date, no field reports have been received by the United States or Territory markets.

Description of Remedy :

Description of Remedy Program : Owners will be notified by mail and instructed to take their vehicle to a Mazda dealer. Dealers will reprogram the SAS control module with improved software. The repair will be performed free of charge to vehicle owners.
A reimbursement program will not be offered as there is no related previous repair available.

How Remedy Component Differs from Recalled Component : The remedy component has improved collision sensitivity settings that meets FMVSS 208 requirements.

Identify How/When Recall Condition was Corrected in Production : The SAS control module with improved software was implemented on November 2, 2023 at the vehicle assembly plant, Mazda Motor Corporation in Japan.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on or before September 23, 2024. Mailing of owner notification letters is expected to be completed on or before November 17, 2024.

Planned Dealer Notification Date : SEP 23, 2024 - SEP 23, 2024

Planned Owner Notification Date : NOV 17, 2024 - NOV 17, 2024

* NR - Not Reported