

# Part 573 Safety Recall Report

# 21V-162

**Manufacturer Name :** Mazda North American Operations**Submission Date :** MAR 10, 2021**NHTSA Recall No. :** 21V-162**Manufacturer Recall No. :** 4821C**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 : 5,844

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2007-2009 Mazda B-series

Vehicle Type : LIGHT VEHICLES

Body Style : PICKUP TRUCK

Power Train : GAS

**Descriptive Information :** Recall population is determined by production records, vehicle registration data, and sales information with the subject driver inflator installed. Affected vehicles are equipped with Takata PSDI-5D driver frontal air bag inflators that use calcium sulfate as a desiccant.

All vehicles produced in the subject model year range are captured in this recall. MY2007~2009 Mazda B-Series produced at Twin Cities Assembly Plant of Ford Motor Company, USA: 5,844 units.

**Production Dates :** FEB 21, 2006 - JUN 18, 2009VIN Range 1 : Begin : 4F4YR12D97PM00002 End : 4F4YR16D17PM07052  Not sequentialVIN Range 2 : Begin : 4F4ZR47E17PM00003 End : 4F4ZR47E87PM07241  Not sequentialVIN Range 3 : Begin : 4F4YR12D98PM00096 End : 4F4YR16D88PM06269  Not sequentialVIN Range 4 : Begin : 4F4ZR47E68PM00001 End : 4F4ZR47E18PM06031  Not sequentialVIN Range 5 : Begin : 4F4YR12D59PM00002 End : 4F4YR16D59PM02438  Not sequentialVIN Range 6 : Begin : 4F4ZR47E49PM00001 End : 4F4ZR47E79PM02261  Not sequential**Description of Defect :**

**Description of the Defect :** TK Holdings, Inc. ("Takata") has determined that a defect which relates to motor vehicle safety exists in the driver frontal air bag inflators installed as original equipment of the MY2007-2009 B-series. The PSDI-5D inflators may potentially explode during normal air bag deployment due to degradation of the propellant desiccated with calcium sulfate. Inflator degradation can occur after prolonged exposure to high humidity and temperature cycling. Mazda is not aware of any reports of accident or injury related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** In the event of a crash that causes the frontal air bag to deploy, an inflator explosion may cause sharp metal fragments to pass through the air bag and into the vehicle interior at high speed, which may result in serious injury or death.

**Description of the Cause :** The desiccated propellant in the subject inflators may degrade after prolonged exposure to high humidity and temperature cycling.

**Identification of Any Warning that can Occur :** There is no warning prior to occurrence.

## Involved Components :

**Component Name 1 :** Air bag module

**Component Description :** Air bag module

**Component Part Number :** 1FAA-57-K00

## Supplier Identification :

### Component Manufacturer

**Name :** TK Global LLC

**Address :** 888 16th street, NW, Suite 800  
12-31 Akasaka 2-chome Minato-ku, in Japa 2006

**Country :** United States

## Chronology :

July 10, 2017 - Takata submitted Defect Information Report 17E-034 on all PSDI-5D driver side air bag inflators that use "2004" generate with calcium sulfate as a desiccant.

August 23, 2017 – Mazda files an inconsequential petition for relief from notification and remedy requirements under the Motor Vehicle Safety Act for the subject air bag inflators (NHTSA ID: 17V466) (DOCKET NO. NHTSA-2017-0092). As MY2007-2009 B-Series and MY2007-2011 Ford Ranger are designed and manufactured on identical platforms and use identical air bag inflators, Mazda is solely dependent on Ford for engineering investigations, service information, and parts procurements. Therefore, Ranger data is representative of B-Series.

August 2017 to January 2021 - Ford informed Mazda of status regarding collection of field parts and ongoing evaluations by Takata and other independent experts, as it related to Ford's Ranger and Mazda's B-Series.

January 19, 2021 – NHTSA notified Mazda that the petition was denied. NHTSA required a proposed schedule

for notification of vehicle owners and the launch of a remedy to fulfill those obligations.

March 5, 2021 – In fulfillment of the petition requirement for owner notification and remedy, Mazda's Quality Audit Committee decided to conduct a recall covering the subject vehicles to replace original parts with non-ammonium nitrate-based inflators. Unlike previous Takata air bags under recall, Mazda filed a petition for relief from notification and remedy requirements because these Takata driver side air bags contain a moisture-absorbing desiccant and perform differently. However, Mazda respects NHTSA's decision and is submitting this defect information report pursuant to the plan discussed with the Agency in February 2021.

## 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 replace the air bag inflator with an improved part. There will be no charge for this service to vehicle owners. Mazda does not intend to issue the reimbursement plan as all vehicles will require the recall remedy since replacement parts have not been made available prior to issuance of this recall.

**How Remedy Component Differs from Recalled Component :** The remedy components do not contain ammonium nitrate.  
Recalled Parts name: Air bag module, Part number: 1FAA-57-K00 00

**Identify How/When Recall Condition was Corrected in Production :** No production changes were made as subject vehicles have been discontinued when the improved air bag inflators were made available.

## Recall Schedule :

**Description of Recall Schedule :** Notification to dealers is expected to occur on or before March 15, 2021. Mailing of owner notification letters is expected to be completed on or before May 09, 2021.

**Planned Dealer Notification Date :** MAR 15, 2021 - MAR 15, 2021

**Planned Owner Notification Date :** MAY 09, 2021 - MAY 09, 2021

\* NR - Not Reported