

# Part 573 Safety Recall Report

# 19V-781

**Manufacturer Name :** Mazda North American Operations**Submission Date :** OCT 31, 2019**NHTSA Recall No. :** 19V-781**Manufacturer Recall No. :** 4119J**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 : 47,613

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2003-2008 Mazda Mazda6

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : – Recall population determined by the production record of vehicles which have been repaired by use of non-desiccated PSAN inflators as an interim remedy.

– Vehicles not included in the recall have an improved air bag inflators installed.

The following is the affected number of vehicles by MY/Make/Model:

MY2003-2008 Mazda Mazda6 built at Auto Alliance International plant in Flat Rock, Michigan, USA: 41,738 units.

Production Dates : AUG 05, 2002 - MAY 05, 2008

VIN Range 1 : Begin : 1YVHP80CX35M00253 End : 1YVFP80D435M57077

 Not sequential

VIN Range 2 : Begin : 1YVHP80D345N05310 End : 1YVFP80C445N99308

 Not sequential

VIN Range 3 : Begin : 1YVHP84C155M00056 End : 1YVHP80C155M77533

 Not sequential

VIN Range 4 : Begin : 1YVHP82D965M00061 End : 1YVHP84D065M71498

 Not sequential

VIN Range 5 : Begin : 1YVHP84D675M00016 End : 1YVHP80C475M64469

 Not sequential

VIN Range 6 : Begin : 1YVHP81C185M00020 End : 1YVHP80C985M48964

 Not sequential

Vehicle 2 : 2004-2005 Mazda MPV

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : – Recall population determined by the production record of vehicles which have been repaired by use of non-desiccated PSAN inflators as an interim remedy.

– Vehicles not included in the recall have an improved air bag inflators installed.

The following is the affected number of vehicles by MY/Make/Model:

MY2004-2005 Mazda MPV built at Mazda Motor Corporation in Japan: 1,867 units.

Production Dates : AUG 21, 2003 - AUG 27, 2004

VIN Range 1 : Begin : JM3LW28J940500028 End : JM3LW28A540531874

 Not sequential

VIN Range 2 : Begin : JM3LW28A850531899 End : JM3LW28JX50533802  Not sequential

Vehicle 3 : 2006-2007 Mazda Mazdaspeed6  
Vehicle Type : LIGHT VEHICLES  
Body Style : ALL  
Power Train : GAS

Descriptive Information : – Recall population determined by the production record of vehicles which have been repaired by use of non-desiccated PSAN inflators as an interim remedy.  
– Vehicles not included in the recall have an improved air bag inflators installed.  
The following is the affected number of vehicles by MY/Make/Model:  
MY2006-2007 Mazda Mazdaspeed6 built at Mazda Motor Corporation in Japan: 872 units.

Production Dates : AUG 19, 2005 - JUN 28, 2007

VIN Range 1 : Begin : JM1GG12L861100096 End : JM1GG12L461108034  Not sequential

VIN Range 2 : Begin : JM1GG12L571108075 End : JM1GG12L971110735  Not sequential

Vehicle 4 : 2004-2005 Mazda RX-8  
Vehicle Type : LIGHT VEHICLES  
Body Style : ALL  
Power Train : GAS

Descriptive Information : – Recall population determined by the production record of vehicles which have been repaired by use of non-desiccated PSAN inflators as an interim remedy.  
– Vehicles not included in the recall have an improved air bag inflators installed.  
The following is the affected number of vehicles by MY/Make/Model:  
MY2004-2005 Mazda RX-8 built at Mazda Motor Corporation in Japan: 3,136 units.

Production Dates : APR 11, 2003 - SEP 01, 2005

VIN Range 1 : Begin : JM1FE173940100069 End : JM1FE173240140879  Not sequential

VIN Range 2 : Begin : JM1FE173940100069 End : JM1FE173240140879  Not sequential

VIN Range 3 : Begin : JM1FE17N450140899 End : JM1FE173250159997  Not sequential

## Description of Defect :

Description of the Defect : In accordance with the Amendment to November 3, 2015 Consent Order issued May 3, 2016, Mazda intends to submit a recall, Defect information Report (DIR) #5 on the subject vehicles which have ever been repaired under several recalls regarding the defect of Takata air bag, using non-desiccated frontal PSAN inflators as an interim remedy.

The PSPI air bag inflator, equipped in these subject Mazda vehicles, may potentially rupture during passenger side air bag deployment due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures, and high temperature cycling.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** Activation of a non-desiccated ammonium nitrate inflator with degraded propellant may result in an inflator rupture. An inflator rupture may cause metal fragments to pass through the air bag and into the vehicle interior at high speed, which may result in injury or death to vehicle occupants.

**Description of the Cause :** The propellant wafers in the subject inflators may degrade over time, which could lead to over-aggressive combustion in the event the air bag is activated. Overly aggressive combustion creates excessive internal pressure when the inflator is activated, which may cause the inflator body to rupture. Based on Takata's investigation to date, the potential for such ruptures occur after several years of exposure to persistent conditions of high absolute humidity, high temperatures, and high temperature cycling. The potential for rupture may also be influenced by other factors, including the specific vehicle environment, the inflator and propellant configuration, and manufacturing variability.

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

## Supplier Identification :

### Component Manufacturer

Name : Takata / T K Holding INC.

Address : 888 16th street, NW, Suite 800  
12-31 Akasaka 2-chome Minato-ku, in Japa 20006

Country : United States

## Chronology :

On May 3, 2016 : As a result of testing and analysis conducted by Takata and independent research organizations, NHTSA concluded that non-desiccated Takata PSAN (phase-stabilized ammonium nitrate) inflator would reach threshold level of degradation, causing the inflator to become dangerous. Therefore, NHTSA ordered Takata to file phased DIRs, in accordance with the schedule set forth in the amendment to the Consent Order.

From May 16, 2016 to October 16, 2018; Mazda has submitted relevant recalls in phased manner, as DIR#1 through DIR#4, in accordance with three DIRs Takata submitted to NHTSA.

In the middle of October, 2019: The replacement parts using non-PSAN based inflators have become available for all subject vehicles which have ever been replaced with non-desiccated PSAN inflators as an interim remedy to avoid an immediate safety risk posing air bag rupture, in the past recall, 13V130, 14V362, 15V869 and 14V773.

On October 28, 2019; Mazda hold the Quality Audit Committee and decided to conduct a recall covering the

subject vehicles replaced with like-for-like parts, MY2003-2008 Mazda6, MY2006-2007 Mazdaspeed6, MY2004-2005 MPV and MY2004-2005 RX-8.

## 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 using non-PSAN inflator. There will be no charge for this service to vehicle owners. Mazda does not intend to issue the reimbursement plan like as Mazda did not under the existing Takata recall.

**How Remedy Component Differs from Recalled Component :** The remedy components have non-PSAN inflator..  
Recalled Parts name: Air bag inflator Part number: GJYA-57K80.  
FEY1-57K80.

**Identify How/When Recall Condition was Corrected in Production :** The vehicle production of the subject model was discontinued by when the improved air bag inflators with non-PSAN were considered.

## Recall Schedule :

**Description of Recall Schedule :** Notification to dealers is expected to occur on or before November 5, 2019. Mailing of owner notification letters is expected to be completed on or before December 18, 2019.

**Planned Dealer Notification Date :** NOV 05, 2019 - NOV 05, 2019

**Planned Owner Notification Date :** DEC 18, 2019 - DEC 18, 2019

\* NR - Not Reported