

# Part 573 Safety Recall Report

# 19V-488

**Manufacturer Name :** Mazda North American Operations**Submission Date :** JUN 24, 2019**NHTSA Recall No. :** 19V-488**Manufacturer Recall No. :** 2618F**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 : 224

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2010-2011 Mazda RX-8

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** Recall population determined by production records of vehicles not yet remedied under 18V716. These vehicles have moved from 18V716 to this new recall using non-PSAN air bag inflator.

MY/Make/Model: MY 2010 through 2011 Mazda RX-8: 239 units.

**Production Dates :** JUN 01, 2009 - APR 26, 2011VIN Range 1 : Begin : JM1FE1C45A0403408 End : JM1FE1C23A0404829  Not sequentialVIN Range 2 : Begin : JM1FE1R41B0404872 End : JM1FE1T21B0405723  Not sequential**Description of Defect :**

**Description of the Defect :** Under terms of the Amendment to November 3, 2015 Consent Order issued May 3, 2016, Takata submitted Defect Information Report (DIR) #4 on non-desiccated frontal PSAN inflators at the end of 2018. Mazda submitted DIR#4 using desiccated, phase-stabilized ammonium nitrate ("PSAN") air bag inflators on October 16, 2018 prior to Takata's submission of DIR because replacement parts became available earlier than anticipated. Since non-PSAN air bag inflators are now available, this submission is to replace existing recall 18V716, moving unrepaired vehicles to the subject units of this recall. The affected model is MY2010 through 2011 RX-8.

The specific defect is as follows. 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 :** In the event of a crash necessitating deployment of the passenger side airbag, the inflator could rupture with metal fragments striking and potentially seriously injuring the passenger seat occupant or other occupant.

**Description of the Cause :** 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 :** NR

## Supplier Identification :

### Component Manufacturer

Name : Takata / T K Holding INC.

Address : 888 16th street, NW, Suite 800  
Washington 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 January 2, 2018; Mazda has submitted relevant recalls as DIR#1 through DIR#3, in accordance with three DIRs Takata submitted to NHTSA.

On September, 2018: The replacement parts using desiccated PSAN based propellant have become available for all subject vehicles to be remedied in DIR#4.

On October 9: Mazda decided to expand the recall. The following subject vehicles are added to the recall - MY 2010 through 2011 RX-8

On October, 2018; Mazda submitted DIR#4, using the desiccated PSAN airbag inflator, to NHTSA, whose number was assigned as 18V716.

On June 24, 2019; As non-PSAN air bag inflators have become available, Mazda is submitting this new recall containing these improved (permanent) remedy parts to replace 18V716. Mazda discussed with NHTSA this transition plan and received approval from the agency. As part of the transition, remedy parts might not be available in certain dealers for a temporary period and in these cases, Mazda intends to offer free loaner vehicles to owners until permanent remedy parts become available. 18V716 will close once transition is completed to this new recall.

**Description of Remedy :**

Description of Remedy Program : Owners of record will be notified of this issue and instructed to take their vehicles to a Mazda dealer for repair. The dealer will replace the frontal passenger side air bag inflator with modified one. The repair will be performed free of charge to the vehicle owners.

How Remedy Component Differs from Recalled Component : Recalled Parts Name: Air bag inflator manufactured by Takata. Part number: F1Z1-57K80, FEZ8-57K70. The remedy parts are non-'PSAN' air bag inflators.

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

**Recall Schedule :**

Description of Recall Schedule : Notification to dealers is expected to occur on June 21, 2019. Mailing of owner notification letters is expected to be completed on or before July 9, 2019.

Planned Dealer Notification Date : JUN 25, 2019 - JUN 25, 2019

Planned Owner Notification Date : JUL 09, 2019 - JUL 09, 2019

\* NR - Not Reported