

# Part 573 Safety Recall Report

# 18V-404

**Manufacturer Name :** Mazda North American Operations**Submission Date :** JUN 24, 2019**NHTSA Recall No. :** 18V-404**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 : 4,179

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2005-2006 Mazda MPV

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

**Descriptive Information :** These vehicles have been registered in Zone C as defined by Takata's DIR #2 filing (Reference #17E001) on January 3, 2017. Plant information; Hiroshima plant of Mazda Motor Corporation in Japan.

**Production Dates :** AUG 02, 2004 - APR 28, 2006

VIN Range 1 : Begin : JM3LW28A060556796 End : JM3LW28A560571746

 Not sequential

VIN Range 2 : Begin : JM3LW28A950531927 End : JM3LW28A750556499

 Not sequential

Vehicle 2 : 2005-2009 Mazda RX-8

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

**Descriptive Information :** (Amendment 8) Recall population determined by production records of vehicles not yet remedied under 17V011. These vehicles have moved from 17V011 to recall 18V404.

MY/Make/Model: MY 2005 through 2009 Mazda RX-8: 1,546 units.

**Production Dates :** JUL 01, 2004 - MAR 31, 2009

VIN Range 1 : Begin : JM1FE17N450140899 End : JM1FE173450161167

 Not sequential

VIN Range 2 : Begin : JM1FE173760200075 End : JM1FE173660207440

 Not sequential

VIN Range 3 : Begin : JM1FE173570207477 End : JM1FE173X70214005

 Not sequential

VIN Range 4 : Begin : JM1FE173080214029 End : JM1FE173980216569

 Not sequential

VIN Range 5 : Begin : JM1FE174490400053 End : JM1FE174X90403393

 Not sequential

## Description of Defect :

Description of the Defect : June 24, 2019, This amendment is to move unrepaired MY 2005-2009 RX-8 vehicles from 17V011 to recall 18V404 because permanent remedy parts for RX-8 have become available. Accordingly all unrepaired vehicles under 17V011 will move to 18V404, including MY2005 through 2009 MPV and MY 2005 through 2009 RX-8. 17V011 will be closed as all subject vehicles have been remedied by use of the air bag inflator consisting of desiccated PSAN propellant. Updated July 2, 2018: MY 2005-2009 RX-8 models have been temporarily removed from 18V404 due to permanent remedy parts delays but will remain open in recall 17V011 (Mazda recall 0617A) using final remedy parts.

June 15, 2018: This submission is to replace existing recall 17V011 originally submitted on January 10, 2017 to manage recall action properly. On 17V011, the remedy was to replace the frontal passenger side air bag inflator with a Takata manufactured air bag inflator, PSPI-D, using desiccated phase-stabilized ammonium nitrate ("PSAN"). At present, an alternative air bag inflator using a non-PSAN based propellant will become available in the field. This new recall covers vehicles not yet repaired under 17V011. The improved air bag inflator is considered a permanent part and will be manufactured for the remedy on the remaining unrepaired vehicles. Following submission of this recall, Mazda intends to close 17V011 with the repaired vehicles covered. This submission adds affected vehicles under Takata DIR#2 and corresponds to Mazda's defect information report #16V354 which covers affected vehicles under Takata DIR#1. 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 : NR

## Supplier Identification :

### Component Manufacturer

Name : Takata / T K Holding INC.

Address : 888 16th street, NW, Suite 800  
Washington 20006

Country : United States

## Chronology :

(Refer to Mazda's corresponding defect information report #16V354 for added details.) .

On January 3, 2017, Takata submitted Defect Information Report #2 (Reference #17E001, 17E002, and 17E003) in accordance with the amended NHTSA Consent Order that requires DIR's to be filed in five phases covering vehicles with non-desiccated frontal PSAN inflators.

On January 10, 2017: On the basis of the Takata submitted DIR#2, Mazda held a Quality Audit Committee and decided to expand the recall. The following subject vehicles are added to the recall - MY 2009 RX-8 in Zone B, MY 2005 through 2008 RX-8 in Zone C and MY 2005 through 2006 MPV in Zone C.

On June 15, 2018; As permanent remedy, non-PSAN based inflators have become available, this submission replaces existing recall 17V011 originally submitted January 10, 2017 to manage recall action properly.  
On June 24, 2019: As for permanent remedy for RX-8 vehicles, since non-PSAN based inflators have become available, Mazda intends to revise this recall, adding the unrepaired MY2005-2009 RX-8 vehicles under 17V011 as the subject model of this recall. 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. 17V011 will close once transition is completed to 18V404.

## 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: FE01 57K70, FE15 57K70, FE875 57K70, F1515 57K70, LE43 57K70,.  
The remedy part is an air bag inflator manufactured by a different parts supplier and confirmed to be free from phase-stabilized ammonium nitrate.

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 21, 2019 - JUN 21, 2019

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

\* NR - Not Reported