

Part 573 Safety Recall Report

18V-404

Manufacturer Name : Mazda North American Operations**Submission Date :** JUN 15, 2018**NHTSA Recall No. :** 18V-404**Manufacturer Recall No. :** 2618F**Manufacturer Information :****Population :**

Manufacturer Name : Mazda North American Operations

Number of potentially involved : 4,478

Address : 1025 Connecticut Avenue, NW
Suite 910 Washington DC 20036

Estimated percentage with defect : 1 %

Company phone : 800-222-5500

Vehicle Information :

Vehicle 1 : 2009-2009 Mazda RX-8

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : These vehicles have been registered in Zone B as defined by Takata's DIR #2 filing (Reference #17E003) on January 3, 2017. Plant information; Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : MAR 11, 2008 - MAR 31, 2009

VIN Range 1 : Begin : JM1FE174090400034 End : JM1FE17P690403403 Not sequential

Vehicle 2 : 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 : JM3LW28A950531927 End : JM3LW28A750556499 Not sequentialVIN Range 2 : Begin : JM3LW28A060556796 End : JM3LW28A560571746 Not sequential

Vehicle 3 : 2005-2008 Mazda RX-8

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

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 : JUL 01, 2004 - FEB 13, 2008

VIN Range 1 : Begin : JM1FE173450140903	End : JM1FE173450161167	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin : JM1FE173060200032	End : JM1FE173860207469	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin : JM1FE173570207477	End : JM1FE173X70214005	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin : JM1FE173080214015	End : JM1FE173080216606	<input type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : 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 driver 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. On January 3, 2017, Takata submitted Defect Information Report #2 under NHTSA Campaign Numbers "17E001 (Zone C)", "17E002 (Zone A)", and "17E003 (Zone B)" on non-desiccated frontal PSAN inflators. For Zone A: MY 2012 does not apply as Mazda has no vehicles equipped with PSPI inflators. For Zone B: MY 2009 vehicles are added. For Zone C: MY 2005 through MY 2008 vehicles are added. 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 NR
that can Occur :

Supplier Identification :

Component Manufacturer

Name : Takata / T K Holding INC.
Address : 888 16th street, NW, Suite 800
Washington DISTRICT OF COLUMBIA 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.

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 : Mailing of owner notifications is planned to be completed as soon as possible, but no later than June 29, 2018.

Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : JUN 28, 2018 - JUN 28, 2018

Planned Owner Notification Date : JUN 29, 2018 - JUN 29, 2018

* NR - Not Reported