

Part 573 Safety Recall Report

17V-474

Manufacturer Name : Mazda North American Operations**Submission Date :** DEC 25, 2017**NHTSA Recall No. :** 17V-474**Manufacturer Recall No. :** 1417G**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 : 308,992

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2003-2008 Mazda Mazda6

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Regardless of any vehicles specification, all of MY2003-2008 Mazda6 vehicles are equipped with Takata manufactured frontal driver air bag with PSDI-4 inflator originally incorporated. The recall population was determined based on vehicle manufacturing record and the information of involved inflator PSDI-4 set forth in Takata's DIR, 15E040. Plant information; Auto Alliance, Inc. Flat Rock, Michigan.

Production Dates : MAY 29, 2002 - MAY 05, 2008

VIN Range 1 : Begin : 1YVFP80C735M00220	End : 1YVFP80D235M57076	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin : 1YVHP81C335M00030	End : 1YVHP80D735M55980	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin : 1YVFP80C345N02308	End : 1YVFP80D545N99312	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin : 1YVHP84C445N05088	End : 1YVHP80C145N99307	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin : 1YVFP80C055M00014	End : 1YVFP80CX55M76940	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin : 1YVHP80D055M00015	End : 1YVHP80C555M77535	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin : 1YVFP80C965M00028	End : 1YVFP80C265M71247	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin : 1YVHP80CX65M00001	End : 1YVHP84D565M71495	<input type="checkbox"/> Not sequential
VIN Range 9 : Begin : 1YVHP84C275M00005	End : 1YVFP80C255M64488	<input type="checkbox"/> Not sequential
VIN Range 10 : Begin : 1YVHP84C385M00001	End : 1YVHP80C985M48995	<input type="checkbox"/> Not sequential

Vehicle 2 : 2006-2007 Mazda Mazdaspeed6

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Regardless of any vehicles specification, all of MY2006-2007 Mazdaspeed6 vehicles are equipped with Takata manufactured frontal driver air bag with PSDI-4 inflator originally incorporated. The recall population was determined based on vehicle manufacturing record and the information of involved inflator PSDI-4 set forth in

Takata's DIR, 15E040. Plant information; Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : AUG 04, 2005 - JUN 29, 2007

VIN Range 1 : Begin : JM1GG12L961100057 End : JM1GG12L461108051 Not sequential

VIN Range 2 : Begin : JM1GG12L471108052 End : JM1GG12L171110745 Not sequential

Vehicle 3 : 2004-2008 Mazda RX-8

Vehicle Type : LOW VOLUME VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : Regardless of any vehicles specification, all of MY2004-2008 RX-8 vehicles are equipped with Takata manufactured frontal driver air bag with PSDI-4 inflator originally incorporated. The recall population was determined based on vehicle manufacturing record and the information of involved inflator PSDI-4 set forth in Takata's DIR, 15E040. Plant information; Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : APR 10, 2003 - FEB 18, 2008

VIN Range 1 : Begin : JM1FE173640100059 End : JM1FE173340140891 Not sequential

VIN Range 2 : Begin : JM1FE173350140892 End : JM1FE173950161178 Not sequential

VIN Range 3 : Begin : JM1FE173960200014 End : JM1FE173660207471 Not sequential

VIN Range 4 : Begin : JM1FE173870207473 End : JM1FE173570214011 Not sequential

VIN Range 5 : Begin : JM1FE173580214012 End : JM1FE173980216619 Not sequential

Description of Defect :

Description of the Defect : Updated on December 26, 2017; Estimated occurrence rate of defect has been filled in.

Updated December 21, 2017 – This submission is to inform of Mazda’s intent to implement the “other” reporting category for removed vehicles in Quarterly Reporting as permitted in the Third Amendment to the Coordinated Remedy Order (“ACRO”), Paragraphs 45 through 49. Due to character limits, see attached supplemental information titled “Description of Defect” for a complete description.

July 26, 2017; This submission is to replace the existing recall, 15V382 originally submitted on June 17, 2015 in order to manage recall action properly. On 15V382, the remedy was to replace the frontal driver side air bag inflator with a Takata manufactured air bag inflator, PSDI-X, using desiccated phased- 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 15V382. 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 15V382 with the repaired vehicles covered.

On May 18, 2015, Takata submitted a Defect Information Report, 15E-040, to NHTSA on PSDI-4 frontal driver side air bag inflators. As stated in 15E-040 by Takata, The batwing-shaped propellant wafers in some of the subject inflators may experience an alteration over time, which could potentially lead to over-aggressive combustion in the event of an air bag deployment. Depending on the circumstances, this potential condition could create excessive internal pressure when the air bag is deployed, which could result in the body of the inflator rupturing upon deployment.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of an inflator rupture, metal fragments could pass through the air bag cushion material, which may result in injury or death to vehicle occupants.

Description of the Cause : Based upon Takata's investigation to date, the potential for such ruptures may occur in some of the subject inflators after several years of exposure to persistent conditions of high absolute humidity. In addition, this potential for rupturing may also depend on other factors, including 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 Washingto
12-31 Akasaka 2-chome Minato-ku, in Japa 20006
Country : United States

Chronology :

On May 18, 2015; Takata signed a Consent Order with NHTSA and submitted DIR, 15E-040, to NHTSA on PSDI-4 frontal driver side air bag inflators.

On June 2, 2015; According to Takata's DIR submission, Mazda determined to conduct a safety recall campaign on 2003-2008MY Mazda6, 2004-2008MY RX-8 and 2006-2007MY Mazdaspeed6 equipped with PSDI-4 frontal driver side air bag inflators.

On June 4, 2015; Mazda submit the Part573, 15V345, as an interim action, using Takata manufactured air bag inflator, PSDI-4, with use of phased- stabilized ammonium nitrate ("PSAN") and no desiccant.

On June 17,2015; Mazda submit 15V382 as a final action, using Takata manufactured frontal driver side air bag inflator, PSDI-X, with use of PSAN and desiccant on the fully same subject vehicles as 15V345.

On July 25, 2017; Mazda decided to replace 15V382 with new Part573 to further upgrade the replacement parts with non-PSAN frontal driver side air bag inflator. The new Part573 involves unrepaired vehicles under 15V382.

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 dealers will replace the frontal driver air bag inflator with the permanent air bag inflator that is free from phased- stabilized ammonium nitrate. The repair will be performed free of charge to the vehicle owners.

How Remedy Component Differs from Recalled Component : Recalled Parts name : Air bag module manufactured by Takata. Part number: GJ6A-57K00 for Mazda6 and Mazdaspeed6, F151-57K00 for RX-8. The remedy parts for replacement are the air bag inflator that is manufactured by different parts supplier and is free from phased- stabilized ammonium nitrate. Parts number; GJYC-57K80 for Mazda6, Mazdaspeed6 and RX-8.

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

Recall Schedule :

Description of Recall Schedule : A draft owner notification letter will be sent to NHTSA when it becomes available.

Planned Dealer Notification Date : AUG 15, 2017 - AUG 15, 2017

Planned Owner Notification Date : SEP 01, 2017 - SEP 01, 2017

* NR - Not Reported