

# Part 573 Safety Recall Report

# 18V-402

**Manufacturer Name :** Mazda North American Operations**Submission Date :** JUL 16, 2018**NHTSA Recall No. :** 18V-402**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 : 269,618

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 : These vehicles have been registered in zone A as defined by Takata's DIR #1 filing (Reference #16E042). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

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

VIN Range 1 : Begin : 1YVHP81C335M00030 End : 1YVFP80D035M57075  Not sequentialVIN Range 2 : Begin : 1YVFP80C345N02308 End : 1YVFP80D545N99312  Not sequentialVIN Range 3 : Begin : 1YVFP80C055M00014 End : 1YVHP80C355M77517  Not sequentialVIN Range 4 : Begin : 1YVHP80CX65M00001 End : 1YVHP84DX65M71489  Not sequentialVIN Range 5 : Begin : 1YVHP82D375M00011 End : 1YVHP81D775M64487  Not sequentialVIN Range 6 : Begin : 1YVHP81C785M00006 End : 1YVHP80C385M48992  Not sequential

Vehicle 2 : 2006-2007 Mazda Mazdaspeed6

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : These vehicles have been registered in zone A as defined by Takata's DIR #1 filing (Reference #16E042). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

Production Dates : JUL 01, 2005 - JUN 29, 2007

VIN Range 1 : Begin : JM1GG12L561100072 End : JM1GG12L261108050  Not sequentialVIN Range 2 : Begin : JM1GG12LX71108055 End : JM1GG12LX71110744  Not sequential

Vehicle 3 : 2004-2006 Mazda MPV

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : These vehicles have been registered in zone A as defined by Takata's DIR #1 filing (Reference #16E042). Plant information; Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : AUG 20, 2003 - APR 28, 2006

VIN Range 1 : Begin : JM3LW28J740500013 End : JM3LW28A840531898  Not sequential

VIN Range 2 : Begin : JM3LW28A250531901 End : JM3LW28A850556589  Not sequential

VIN Range 3 : Begin : JM3LW28A960556764 End : JM3LW28A660571741  Not sequential

Vehicle 4 : 2003-2008 Mazda Mazda6

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 #1 filing (Reference #16E043). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

Production Dates : AUG 02, 2002 - MAY 05, 2008

VIN Range 1 : Begin : 1YVFP80C235M00223 End : 1YVFP80D235M57076  Not sequential

VIN Range 2 : Begin : 1YVHP84D745N07443 End : 1YVFP80C245N99310  Not sequential

VIN Range 3 : Begin : 1YVHP82D655M00047 End : 1YVHP80C455M77526  Not sequential

VIN Range 4 : Begin : 1YVFP80C965M00028 End : 1YVHP84D665M71473  Not sequential

VIN Range 5 : Begin : 1YVHP85C075M00020 End : 1YVHP80C475M64441  Not sequential

VIN Range 6 : Begin : 1YVHP84D985M00013 End : 1YVHP80C185M48991  Not sequential

Vehicle 5 : 2004-2004 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 #1 filing (Reference #16E044). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

Production Dates : AUG 20, 2003 - JUL 30, 2004

VIN Range 1 : Begin : JM3LW28J940500014 End : JM3LW28J340531890  Not sequential

Vehicle 6 : 2004-2006 Mazda MPV

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : These vehicles have been registered in zone B as defined by Takata's DIR #1 filing (Reference #16E043). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

Production Dates : AUG 21, 2002 - APR 28, 2008

|   |                         |   |
|---|-------------------------|---|
| VIN Range 1 : Begin : JM3LW28J340500025 | End : JM3LW28J740531892 | <input type="checkbox"/> Not sequential |
| VIN Range 2 : Begin : JM3LW28AX50531905 | End : JM3LW28A450556296 | <input type="checkbox"/> Not sequential |
| VIN Range 3 : Begin : JM3LW28J460556770 | End : JM3LW28JX60571743 | <input type="checkbox"/> Not sequential |

Vehicle 7 : 2003-2008 Mazda Mazda6

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 #1 filing (Reference #16E044). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

Production Dates : AUG 08, 2002 - MAY 05, 2008

|   |                         |   |
|---|-------------------------|---|
| VIN Range 1 : Begin : 1YVFP80C035M00222 | End : 1YVFP80D135M57067 | <input type="checkbox"/> Not sequential |
| VIN Range 2 : Begin : 1YVHP84C245N07440 | End : 1YVFP80C845N99294 | <input type="checkbox"/> Not sequential |
| VIN Range 3 : Begin : 1YVHP82DX55M00049 | End : 1YVHP80C355M77534 | <input type="checkbox"/> Not sequential |
| VIN Range 4 : Begin : 1YVHP84C865M00038 | End : 1YVHP84D565M71495 | <input type="checkbox"/> Not sequential |
| VIN Range 5 : Begin : 1YVHP84C275M00005 | End : 1YVHP81D975M64488 | <input type="checkbox"/> Not sequential |
| VIN Range 6 : Begin : 1YVHP84C285M00023 | End : 1YVHP80C085M48884 | <input type="checkbox"/> Not sequential |

Vehicle 8 : 2006-2007 Mazda Mazdaspeed6

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 #1 filing (Reference #16E044). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

Production Dates : AUG 05, 2005 - JUN 28, 2007

|   |                         |   |
|---|-------------------------|---|
| VIN Range 1 : Begin : JM1GG12L361100071 | End : JM1GG12LX61108040 | <input type="checkbox"/> Not sequential |
| VIN Range 2 : Begin : JM1GG12L471108052 | End : JM1GG12L471110738 | <input type="checkbox"/> Not sequential |

Vehicle 9 : 2006-2007 Mazda Mazdaspeed6

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 #1 filing (Reference #16E043). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

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

|   |                         |   |
|---|-------------------------|---|
| VIN Range 1 : Begin : JM1GG12L961100057 | End : JM1GG12L461108051 | <input type="checkbox"/> Not sequential |
| VIN Range 2 : Begin : JM1GG12L671108098 | End : JM1GG12L171110745 | <input type="checkbox"/> Not sequential |

## Description of Defect :

Description of the Defect : Updated July 2, 2018: MY 2004-2011 RX-8 models have been temporarily removed from 18V402 due to permanent remedy parts delays but will remain open in recall 16V354 (Mazda recall 9416E) using final remedy parts.  
June 15, 2018: This submission is to replace existing recall 16V354 originally submitted on May 25, 2016 to manage recall action properly. On 16V354, 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 16V354. 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 16V354 with the repaired vehicles covered.

On May 4, 2016, NHTSA and Takata came to agreement that all the non-desiccated frontal Takata PSAN inflators not previously subject to recall in the U.S should be included in the recall. Therefore, on May 16, 2016, Takata submitted Defect Information Report #1 under NHTSA Campaign Numbers "16E042 (Zone A)", "16E043 (Zone B)", and "16E044 (Zone C)" on non-desiccated frontal PSAN inflators. As the PSPI inflator is part of DIR#1, certain Mazda models have were not covered under the existing recall including MY 2004-2011 RX-8 and MY 2004-2006 MPV in zone A, MY 2004-2008 RX-8 and MY 2004-2006 MPV in zone B, and MY 2004 RX-8 and MY 2004 MPV in zone C. This airbag inflator may potentially rupture during passenger side airbag 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 occurs in some of the subject inflators 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 DISTRICT OF COLUMBIA 20006  
Country : United States

**Chronology :**

On May 4, 2016; NHTSA and Takata reached consensus on necessitating recall action that all the non-desiccated frontal Takata PSAN inflators that have not previously been subject to recall in the U.S.

On May 16, 2016; In accordance with the amendment to the consent order, Takata submitted Defect Information Report #1 to NHTSA.

On May 17, 2016; Takata explained the content of DIR and its influence on Mazda's model to Mazda.

On May 18, 2016; Based on DIR#1 submitted by Takata, Mazda held a Quality Audit Committee and decided to conduct a recall campaign regarding the passenger side airbag inflator on MY 2004-2011 RX-8 and MY 2004-2006 MPV in zone A, MY 2004-2008 RX-8 and MY 2004-2006 MPV in zone B, MY 2004 RX-8 and MY 2004 MPV in zone C that have not ever been subject under the existing recalls.

On August 24, 2016: Updated DIR with additional twelve (12) unrepaired vehicles in 15V869 found and moved into 16V354. Therefore, total volume revised from 448,320 to 448,332.

On June 15, 2018: As permanent remedy, non-PSAN based inflators have become available, this submission replaces existing recall 16V354 originally submitted May 25, 2016 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, GJ6A 57K70, GJ8A 57K70, GP9A 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 : Mailing of owner notifications is planned to be completed as soon as possible, but no later than June 29, 2018.

Planned Dealer Notification Date : JUN 27, 2018 - JUN 27, 2018

Planned Owner Notification Date : JUL 06, 2018 - JUL 06, 2018

\* NR - Not Reported