

Part 573 Safety Recall Report

18V-402

Manufacturer Name : Mazda North American Operations**Submission Date :** JUN 15, 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 : 313,307

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 : 1YVHP80C985M48995 Not sequential

Vehicle 2 : 2004-2008 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 #1 filing (Reference #16E043). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

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

VIN Range 1 : Begin : JM1FE173140100065 End : JM1FE173340140888 Not sequentialVIN Range 2 : Begin : JM1FE173350140892 End : JM1FE173850161172 Not sequentialVIN Range 3 : Begin : JM1FE173960200014 End : JM1FE173460207467 Not sequentialVIN Range 4 : Begin : JM1FE173170207475 End : JM1FE173270214001 Not sequentialVIN Range 5 : Begin : JM1FE173680214021 End : JM1FE173980216619 Not sequential

Vehicle 3 : 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 04, 2005 - JUN 28, 2007

VIN Range 1 : Begin : JM1GG12L661100064 End : JM1GG12L361108042 Not sequential

VIN Range 2 : Begin : JM1GG12L471108052 End : JM1GG12L471110738 Not sequential

Vehicle 4 : 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 - JUL 01, 2007

VIN Range 1 : Begin : JM1GG12L761100056 End : JM1GG12L261108050 Not sequential

VIN Range 2 : Begin : JM1GG12L671108053 End : JM1GG12LX71110744 Not sequential

Vehicle 5 : 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 : JM3LW28A050531900 End : JM3LW28A850556589 Not sequential

VIN Range 3 : Begin : JM3LW28A960556764 End : JM3LW28A760571747 Not sequential

Vehicle 6 : 2004-2011 Mazda RX-8

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; Hiroshima plant of Mazda Motor Corporation in Japan.

Production Dates : APR 10, 2003 - MAY 16, 2011

VIN Range 1 : Begin :	JM1FE173540100053	End :	JM1FE173340140891	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin :	JM1FE17N350140893	End :	JM1FE173950161178	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin :	JM1FE173760200013	End :	JM1FE173660207471	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin :	JM1FE173870207473	End :	JM1FE173570214011	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin :	JM1FE173580214012	End :	JM1FE173580216603	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin :	JM1FE17M590400031	End :	JM1FE174290403405	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin :	JM1FE1CP0A0403407	End :	JM1FE1C40A0404868	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin :	JM1FE1SP6B0404869	End :	JM1FE1T27B0405726	<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 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	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin :	1YVHP84D745N07443	End :	1YVFP80C245N99310	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin :	1YVHP82D455M00046	End :	1YVHP80C555M77535	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin :	1YVFP80C965M00028	End :	1YVHP84D865M71474	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin :	1YVHP85C075M00020	End :	1YVHP85D275M64486	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin :	1YVHP84C385M00001	End :	1YVHP80C185M48991	<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 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 :	JM1GG12L971108077	End :	JM1GG12L371110746	<input type="checkbox"/> Not sequential

Vehicle 9 : 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 20, 2002 - APR 28, 2008

VIN Range 1 : Begin : JM3LW28J640500021	End : JM3LW28J740531892	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin : JM3LW28AX50531905	End : JM3LW28J450556315	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin : JM3LW28A860556769	End : JM3LW28JX60571743	<input type="checkbox"/> Not sequential

Vehicle 10 : 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 : 1YVHP84D965M71497	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin : 1YVHP84C275M00005	End : 1YVHP81D075M64489	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin : 1YVHP81C985M00007	End : 1YVHP80C985M48916	<input type="checkbox"/> Not sequential

Vehicle 11 : 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 - AUG 02, 2004

VIN Range 1 : Begin : JM3LW28J940500014	End : JM3LW28J640531897	<input type="checkbox"/> Not sequential
---	-------------------------	---

Vehicle 12 : 2004-2004 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 #1 filing (Reference #16E044). Plant information; Hofu plant of Mazda Motor Corporation in Japan.

Production Dates : APR 10, 2003 - JUN 30, 2004

VIN Range 1 : Begin : JM1FE17N240100061	End : JM1FE17N340140889	<input type="checkbox"/> Not sequential
---	-------------------------	---

Description of Defect :

Description of the Defect : 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 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 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 : NR - NR

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

* NR - Not Reported