

Part 573 Safety Recall Report

17V-807

Manufacturer Name : Mazda North American Operations**Submission Date :** DEC 14, 2017**NHTSA Recall No. :** 17V-807**Manufacturer Recall No. :** 1917L**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 : 19,781

Estimated percentage with defect : 1 %

Vehicle Information :

Vehicle 1 : 2004-2006 Mazda B-series

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : All MY2004-2006 B-series vehicles equipped with Takata manufactured driver side, non-desiccated, frontal air bags with original "SDI" inflators are included in the recall population. The recall population was determined based on vehicle manufacturing records at Ford Motor Corporation.

Although some vehicles have been repaired using driver side "like-for-like" air bag inflators consisting of non-desiccated, phased-stabilized ammonium nitrate ("PSAN") and the remaining vehicles have not yet been repaired, all of them will be included in this recall.

Plant information; Edison Assembly Plant of Ford Motor Corporation, USA.

Production Dates : APR 17, 2003 - MAY 02, 2006

VIN Range 1 : Begin :	4F4YR12D34TM00001	End :	4F4YR12D64TM12966	<input type="checkbox"/> Not sequential
VIN Range 2 : Begin :	4F4YR16U44TM00003	End :	4F4YR16DX4TM13015	<input type="checkbox"/> Not sequential
VIN Range 3 : Begin :	4F4YR17E34TM01750	End :	4F4YR17E74TM12735	<input type="checkbox"/> Not sequential
VIN Range 4 : Begin :	4F4YR46EX4TM00002	End :	4F4YR46E54TM12980	<input type="checkbox"/> Not sequential
VIN Range 5 : Begin :	4F4YR47E44TM00012	End :	4F4YR47E04TM04221	<input type="checkbox"/> Not sequential
VIN Range 6 : Begin :	4F4ZR16U04TM00472	End :	4F4ZR16U84TM12580	<input type="checkbox"/> Not sequential
VIN Range 7 : Begin :	4F4ZR17E04TM01743	End :	4F4ZR17E94TM12739	<input type="checkbox"/> Not sequential
VIN Range 8 : Begin :	4F4ZR47E14TM00005	End :	4F4ZR47E14TM13059	<input type="checkbox"/> Not sequential
VIN Range 9 : Begin :	4F4YR12D05PM00001	End :	4F4YR12D45PM07842	<input type="checkbox"/> Not sequential
VIN Range 10 : Begin :	4F4YR16D55PM00103	End :	4F4YR16EX5PM07850	<input type="checkbox"/> Not sequential
VIN Range 11 : Begin :	4F4YR46U15PM00004	End :	4F4YR46U45PM07688	<input type="checkbox"/> Not sequential
VIN Range 12 : Begin :	4F4ZR16U35PM00332	End :	4F4ZR16U85PM07843	<input type="checkbox"/> Not sequential
VIN Range 13 : Begin :	4F4ZR47E55PM00003	End :	4F4ZR47E55PM07808	<input type="checkbox"/> Not sequential
VIN Range 14 : Begin :	4F4YR12D16PM00011	End :	4F4YR12U76PM06248	<input type="checkbox"/> Not sequential
VIN Range 15 : Begin :	4F4YR16D96PM01790	End :	4F4YR16D26PM06247	<input type="checkbox"/> Not sequential

VIN Range 16 : Begin :	4F4YR46U36PM00006	End :	4F4YR46U66PM06012	<input type="checkbox"/> Not sequential
VIN Range 17 : Begin :	4F4ZR16U56PM01791	End :	4F4ZR16U36PM06245	<input type="checkbox"/> Not sequential
VIN Range 18 : Begin :	4F4ZR17E86PM01405	End :	4F4ZR17EX6PM04810	<input type="checkbox"/> Not sequential
VIN Range 19 : Begin :	4F4ZR47E76PM00005	End :	4F4ZR47E96PM05710	<input type="checkbox"/> Not sequential

Description of Defect :

Description of the Defect : The driver's side frontal air bag inflator of the MY 2004-2006 may potentially rupture in the event of a crash necessitating deployment of the air bag, due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures, and high temperature cycling.

Regarding this issue, Mazda originally submitted Part 573, assigned with NHTSA recall identification number 16V048, on January 29, 2016 and has been conducting the temporary remedy with use of "like-for-like" air bag inflator consisting of non-desiccated phased- stabilized ammonium nitrate ("PSAN") so that vehicle occupants could avoid a safety risk of air bag rupture in the short term. At this time, non-PSAN air bag inflators have become available that eliminate the safety risk of rupture. This submission is to inform of Mazda's intent to replace existing recall 16V048, with new recall using permanent remedy, non-PSAN air bag inflator parts. The new recall will cover all vehicles involved in 16V048, including repaired vehicles as well as vehicles not yet repaired under 16V048.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Activation of a non-desiccated phased-stabilized ammonium nitrate ("PSAN") 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 : 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 Washingto
20006
Country : United States

Chronology :

On January 14, 2016, Ford informed Mazda (Mazda North American Operation) that a fatality occurred on MY2006 Ford Ranger on December 22, 2015, due to possible rupture of driver side airbag and Ford intended to participate in the vehicle investigation with NHTSA and Takata on January 22. Mazda B-series is similar vehicle as Ford Ranger and equipped with the same driver side airbag as Ford Ranger.

On January 22, 2016, Ford informed Mazda that inflator rupture was recognized as a result of the vehicle investigation and thus Ford decided to conduct a field action on 2004 through 2006 MY Ford Ranger vehicle.

On January 25, 2016, Takata requested Mazda to conduct a field action on the driver side airbag of the 2004 through 2006 MY Mazda B-series vehicles.

On January 29, based on Ford's decision to conduct a recall campaign and the request of field action by Takata, Mazda held a Quality Audit Committee and decided to conduct a recall campaign regarding the driver side airbag inflator on the 2004 through 2006MY Mazda B-series vehicles. Mazda filed Part573 to NHTSA.

After several days passed from Part573 submission, NHTSA assigned recall identification number 16V048.

From April, 2016 through October, 2017, Mazda has been conducting recall action replacing air bag inflators with like-for -like parts as a temporaory remedy.

On October 17, 2017, Mazda decided to submit a new recall using permanent remedy parts to replace the existing recall, 16V048.

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 driver's side airbag inflator with non-PSAN air bag inflator as a permanent remedy. The repair will be performed free of charge to the vehicle owners.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : Recalled Parts name : Air bag inflator manufactured by Takata. Part number: 1FTT-57K00.

The remedy part is an air bag inflator manufactured by a different parts supplier and confirmed to be free from phased-stabilized ammonium nitrate.

Recall Schedule :

Description of Recall Schedule : Owner letter drafts with two version, "parts available" and " Not parts available are sent at same time as this recall submission.

Planned Dealer Notification Date : DEC 22, 2017 - DEC 22, 2017

Planned Owner Notification Date : JAN 17, 2018 - JAN 17, 2018

* NR - Not Reported