

# Part 573 Safety Recall Report

# 18E-002

**Manufacturer Name :** Takata Corporation

**Submission Date :** JAN 08, 2018

**NHTSA Recall No. :** 18E-002

**Manufacturer Recall No. :** NR



## Manufacturer Information :

**Manufacturer Name :** Takata Corporation

**Address :** 2500 Takata Drive

Auburn Hills MI 48065

**Company phone :** 2483738040

## Population :

**Number of potentially involved :** 1,500,000

**Estimated percentage with defect :** 1 %

## Equipment Information :

**Brand / Trade 1 :** Takata

**Model :** PSPI, PSPI-1.1, PSPI-2, PSPI-6, PSPI-L

**Part No. :** No Part Number

**Size :** NR

**Function :** NR

**Descriptive Information :** Specific model Takata non-desiccated frontal airbag inflators containing phase stabilized ammonium nitrate propellant for Model Year 2010 Zone B. Model Year 2009 and older were included in DIRs 17E-003 and 16E-043 for Zone B.

**Production Dates :** JAN 01, 2003 - DEC 31, 2010

## Description of Defect :

Description of the Defect : Takata is submitting this DIR in accordance with the terms specified in the May 4, 2016 Amendment to the November 3, 2015 Consent Order in EA15-001. This report contemplates national recalls of vehicles equipped with certain Takata non-desiccated inflators used in frontal airbag systems containing a phase stabilized ammonium nitrate (PSAN) based propellant that were not included in prior national recalls. The subject inflators include models designated by Takata as: PSPI, PSPI-1.1, PSPI-2, PSPI-6, PSPI-L, and SPI.

Takata is not aware of any test ruptures in ballistic testing of returned inflators or confirmed field incidents in the designated categories and model years of the subject non-desiccated PSAN inflators other than those already under recall as detailed in prior Defect Information Reports (DIR). Out of an abundance of caution, however, Takata is filing this report in cooperation with NHTSA to promote public safety.

As a result of the developments and circumstances described below, Takata has determined that a defect related to motor vehicle safety may arise in some of the subject non-desiccated PSAN inflators due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures, and high temperature cycling. Testing and analysis conducted by Takata and by independent entities have found that there are wide differences in the time periods in which propellant degradation takes place. The propellant degradation varies in different climate zones, in different vehicle makes and models, and in different inflator and propellant configurations. Takata believes that the subject inflators perform as originally designed and manufactured and do not pose an unreasonable risk to safety until they reach a certain level of propellant degradation.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Activation of a non-desiccated PSAN inflator with degraded propellant may result in an inflator rupture. An inflator rupture may cause metal fragments to pass through the airbag 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 some of 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 upon 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 : NR

Address : NR

NR

Country : NR

**Chronology :**

November 3, 2015 – NHTSA and Takata entered into a Consent Order in EA15 001 to resolve issues raised in that investigation, to mitigate and control risks of harm, and to promote public safety.

May 4, 2016 – NHTSA and Takata entered into an Amendment to the November 3, 2015 Consent Order. As stated in that Amendment, on the basis of testing and analysis conducted by Takata and by independent research organizations, NHTSA has concluded that, “at some point in the future all non-desiccated frontal Takata PSAN inflators will reach a threshold level of degradation that could result in the inflator becoming unreasonably dangerous.” As a result of this conclusion, and pursuant to Paragraph 29 of the November 3, 2015 Consent Order, NHTSA ordered Takata to file certain DIRs, in accordance with the schedule set forth in Paragraph 14 of the Amendment.

May 16, 2016 – Takata submitted DIRs per the schedule specified by NHTSA in the Amended to the Consent Order.

January 3, 2017 - Takata submitted DIRs per the schedule specified by NHTSA in the Amended Consent Order. The schedule calls for certain DIRs to be submitted by Dec. 31, 2016. However, since that date fell on a weekend, and a Federal holiday is observed on Jan. 2, 2017, NHTSA agreed that this DIR would be submitted on Jan. 3, 2017, the next working day.

January 2, 2018 - Takata submitted DIRs per the schedule specified by NHTSA in the Amended Consent Order. The schedule calls for certain DIRs to be submitted by Dec. 31, 2017. However, since that date falls on a weekend, and a Federal holiday is observed on Jan. 1, 2018, NHTSA agreed that the DIRs would be submitted on Jan. 3, 2018, the next working day.

**Description of Remedy :**

Description of Remedy Program : Takata and NHTSA are aware that remedy parts may not be available for some of the vehicles containing inflators covered by this DIR. Takata will work closely with each vehicle manufacturer to develop an appropriate remedy for each vehicle and urge consumers to get the affected inflators replaced promptly after they are notified that a replacement is available. The Coordinated Remedy Program, being administered by the Independent Monitor, will prioritize the supply of remedy parts to the vehicles and zones that present the highest risk.

How Remedy Component Differs from Recalled Component : NR

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

**Recall Schedule :**

Description of Recall Schedule : Recall schedule is to be determined and submitted by the affected OEM's. Takata has no dealers so there are no dealer notification to send and no dealer notification beginning and end dates.

Planned Dealer Notification Date : JAN 02, 2018 - JAN 02, 2018

Planned Owner Notification Date : JAN 02, 2018 - JAN 02, 2018

**Purchaser Information :**

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : American Honda

Address : 1919 Torrance Blvd  
Torrance CA 90501

Country : US

Company Phone : NR

Name : Audi USA Volkswagen Group of America

Address : 3800 Hamlin Road  
Auburn Hills MI 48326

Country : US

Company Phone : NR

Name : BMW of North America  
Address : P.O. Box 1227  
Woodcliff Lake NJ 07677  
Country : US  
Company Phone : NR

Name : Daimler Vans USA  
Address : 303 Perimeter Center North  
Suite 202 Atlanta GA 30346  
Country : US  
Company Phone : NR

Name : FCA US  
Address : 800 Chrysler Drive  
CIMS 482-00-91 Auburn Hills MI 48326  
Country : US  
Company Phone : NR

Name : Ford Motor Company  
Address : 330 Town Center Drive  
Suite 500 Dearborn MI 48126  
Country : US  
Company Phone : NR

Name : General Motors  
Address : 30001 Van Dyke Road  
Warren MI 48094  
Country : US  
Company Phone : NR

Name : Jaguar Land Rover North America  
Address : 555 Mac Arthur Boulevard  
Mahwah NJ 07430  
Country : US  
Company Phone : NR

Name : Mazda North America  
Address : 1025 Connecticut Avenue NW  
Suite 910 Washington DC 20036  
Country : US  
Company Phone : NR

Name : Mercedes Benz USA  
Address : 303 Perimeter Center North  
Atlanta GA 30346  
Country : US  
Company Phone : NR

Name : Mitsubishi Motors North America  
Address : 6400 Katella Avenue  
Cypress CA 90630  
Country : US  
Company Phone : NR

Name : Nissan North America  
Address : PO Box 685001  
Franklin TN 37068  
Country : US  
Company Phone : NR

Name : Subaru of America  
Address : P.O Box 6000  
Cherry Hills NJ 08034  
Country : US  
Company Phone : NR

Name : Toyota Motor  
Address : 19001 South Western Avenue  
Torrance CA 90501  
Country : US  
Company Phone : NR

Name : Ferrari North America  
Address : 250 Sylvan Ave  
Englewood Cliffs NJ 07632  
Country : US  
Company Phone : NR

\* NR - Not Reported