

# Part 573 Safety Recall Report

# 19E-016

**Manufacturer Name :** Takata (TK Global LLC)

**Submission Date :** FEB 25, 2019

**NHTSA Recall No. :** 19E-016

**Manufacturer Recall No. :** NR



## Manufacturer Information :

**Manufacturer Name :** Takata (TK Global LLC)

**Address :** 111 Peyer Court

Romeo 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 :** PSDI-5, SDI

**Part No. :** NPN

**Size :** NR

**Function :** NR

**Descriptive Information :** Specific model non-desiccated frontal air bag inflators containing phase stabilized ammonium nitrate propellant installed as original equipment in all remaining vehicles that are not currently covered by an inflator recall. This includes vehicles from Model Year 2015 and newer.

**Production Dates :** SEP 01, 2014 - APR 10, 2018

## Description of Defect :

Description of the Defect : TK Global, formerly 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 former Takata non-desiccated inflators used in frontal airbag systems containing a phase stabilized ammonium nitrate-based propellant that were not included in prior national recalls. The subject inflators include models designated by Takata as: non-desiccated SDI and PSDI-5.

TK Global is not aware of any test ruptures in ballistic testing of returned inflators in the designated categories and model years or confirmed field incidents of the subject non-desiccated ammonium nitrate inflators other than those already under recall as detailed in prior defect information reports. TK Global is filing this report in cooperation with NHTSA to promote public safety.

As a result of the developments and circumstances described below, TK Global has determined that a defect related to motor vehicle safety may arise in some of the subject non-desiccated ammonium nitrate 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, TK Global 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. The Agency has concluded that these non-desiccated frontal Takata PSAN air bag inflators do not pose an unreasonable risk to safety under the Safety Act 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 ammonium nitrate 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 : The propellant tablets 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 and TK Global investigations 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 NR  
that can Occur :

## 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.

January 25, 2016 – Takata submitted DIRs for non-desiccated SDI and PSDI-5 driver air bag inflators manufactured from Start of Production through vehicle Model Year 2014.

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 defect information reports (“DIR”), in accordance with the schedule set forth in Paragraph 14 of the Amendment.

April 10, 2018 – Due to the company bankruptcy and sale of the majority of Takata assets, the successor company responsible for PSAN inflators is TK Global LLC.  
TK Global LLC is responsible for investigations and necessary field actions for all Phase Stabilized Ammonium Nitrate (PSAN) airbag inflators, originally manufactured by Takata.

February 25, 2019 – TK Global is submitting this DIR for non-desiccated SDI and PSDI-5 frontal airbag inflators using phase stabilized ammonium nitrate propellant, per the schedule specified by NHTSA in the Amendment to the Consent Order. The schedule calls for all subject inflators installed as original equipment in all remaining vehicles.

**Description of Remedy :**

Description of Remedy Program : Per the sale of the majority of Takata assets to Joyson Safety Systems (JSS) and the bankruptcy agreement, the supplier of remedy parts is JSS. 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 affected OEM's. Takata (TK Global) has no dealership so there is no dealer notifications to send and no dealer beginning and end dates.

Planned Dealer Notification Date : FEB 25, 2019 - FEB 25, 2019

Planned Owner Notification Date : FEB 25, 2019 - FEB 25, 2019

**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 Motor Co.

Address : 1919 Torrance Blvd.  
Torrance CA 90501

Country : US

Company Phone : 3107832000

Name : BMW of North America

Address : P.O. Box 1227  
Woodcliff Lake NJ 07677

Country : US

Company Phone : 2013074000

Name : Daimler Vans USA LLC

Address : 303 Perimeter Center North  
Atlanta GA 30346

Country : US

Company Phone : 7707052070

Name : Mercedes Benz USA LLC

Address : 303 Perimeter Center North  
Atlanta GA 30346

Country : US

Company Phone : 4075456768

Name : Volkswagen Group

Address : 3800 Hamlin Road  
Auburn Hills MI 48326

Country : US

Company Phone : 2487545000

\* NR - Not Reported