

# Part 573 Safety Recall Report

# 18E-043

**Manufacturer Name :** TRW Automotive Inc**Submission Date :** AUG 15, 2018**NHTSA Recall No. :** 18E-043**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : TRW Automotive Inc

Address : 12001 Tech Center Dr

Livonia MI 48150

Company phone : 999

**Population :**

Number of potentially involved : 727,921

Estimated percentage with defect : 100 %

**Equipment Information :**

Brand / Trade 1 : ZF

Model : Airbag control units (ACUs) incorporated into vehicles recalled by Hyundai Motor America (HMA) and Kia Motors America (KMA).

Part No. : --

Size : NR

Function : NR

**Descriptive Information :** The ACUs in the recalled vehicles incorporate a certain application specific integrated circuit (ASIC) that may experience electrical overstress (EOS) damage caused by negative transient voltages generated in the vehicle environment that are outside the vehicle manufacturer's specification.

The population identified below is the total number of ACUs ZF supplied to Hyundai and Kia for use in the vehicles identified in those manufacturers' recalls. This submission does not cover vehicles included in 16V-668. The ZF component referenced in that recall has design differences, and the root cause in that recall was attributed in part to specific vehicle conditions.

Production Dates : DEC 01, 2009 - SEP 30, 2012

**Description of Defect :**

**Description of the Defect :** ZF is submitting this report based on the recall of vehicles by HMA and KMA that incorporate ACUs supplied by ZF. The ASIC in the ACUs may experience EOS damage caused by negative transient voltages generated in the vehicle environment that are outside the vehicle manufacturer's specification during particular front impact events.

FMVSS 1 : NR

FMVSS 2 : NR

**Description of the Safety Risk :** If a negative transient outside the vehicle manufacturer's specification is generated in a front impact event, it can cause EOS damage to the ASIC that

may compromise the ACU's ability to command deployment of an airbag or seatbelt pretensioner in certain circumstances, thus increasing the risk of injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

## Supplier Identification :

### Component Manufacturer

Name : ST Microelectronics

Address : 19111 Victor Parkway  
Livonia MICHIGAN 48150

Country : United States

## Chronology :

See attached.

## Description of Remedy :

Description of Remedy Program : The vehicle manufacturers have decided to recall vehicles and will provide for the recall remedy, notify dealers and owners, and submit quarterly recall data reports to NHTSA.

How Remedy Component Differs from Recalled Component : NR

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

## Recall Schedule :

Description of Recall Schedule : The vehicle manufacturers have decided to recall vehicles and will provide for the recall remedy, notify dealers and owners, and submit quarterly recall data reports to NHTSA.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

**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 : Hyundai Motor America

Address : 10550 Talbert Avenue  
Fountain Valley CA 92708

Country : US

Company Phone : NR

Name : Kia Motors America

Address : 111 Peters Canyon Road  
Irvine CA 92606

Country : US

Company Phone : NR

\* NR - Not Reported