

Part 573 Safety Recall Report

24E-016

Manufacturer Name : Aisin World Corp. of America**Submission Date :** FEB 15, 2024**NHTSA Recall No. :** 24E-016**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Aisin World Corp. of America

Address : 15300 Centennial Drive

Northville MI 48168

Company phone : 812-534-8144

Population :

Number of potentially involved : 1,750,015

Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : AEIL

Model : Weight Sensor Assembly

Part No. : See Description

Size : NR

Function : Weight Sensor

Descriptive Information : The Weight Sensors provide input to the vehicle manufacturer's Supplemental Restraint System (SRS), which uses the input to determine the deployment strategy of the front passenger airbag. The weight sensors are used in a combination of Front/Back/Right/Left sensors, as determined by the OEM, each with a unique part number (P/N). Aisin is providing this information report in accordance with 49 CFR Part 573.3(f) based upon defect information reports (DIRs) submitted by two OEM customers to whom Aisin supplied the subject components. See NHTSA Recall #24V-064 (Honda) and NHTSA Recall # 23V-865 (Toyota).

Aisin supplied a similar component to a third OEM (Subaru of America) from the suspect production period.

482827-10420 (#1) (Toyota: 89105-0E040)

482828-10420 (#2) (Toyota: 89107-0E040)

482827-10370 (#1) (Honda: 81167-T2F-L012-M1)

482828-10370 (#2) (Honda: 81168-T2F-L012-M1)

482827-10530 (#1) (Subaru: 98323AN00A)

482828-10530 (#2) (Subaru: 98323AN01A)

Production Dates : JUN 02, 2020 - NOV 14, 2020

Description of Defect :

Description of the Defect : As reported by Toyota and Honda in their respective Part 573 DIRs, there is a possibility that, during the production process in a specific period, the Weight Sensor Printed Circuit Board (PCB) became deformed, causing a crack to form in a capacitor, which can allow moisture to enter the capacitor over time and result in a short circuit. The short circuit could potentially impact the SRS. The specific system-level effect(s) and response(s) would be determined by the vehicle manufacturer.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Each vehicle manufacturer determines whether and, if so, to what extent this condition may be present in their vehicles and evaluates the SRS's response to this condition. As reported by Toyota and Honda, affected systems may illuminate warnings to the driver and, in certain scenarios, the front passenger airbag may not deploy in crashes as designed (see Toyota Recall #23V865) or the front passenger frontal and knee airbags may deploy despite the presence of an occupant for whom deployment should be suppressed (see Honda Recall #24V064), increasing the risk of injury to the seat's occupant.

Description of the Cause : A combination of alternate component supplier used during short term natural disaster recovery and AEIL processing could result in capacitor cracking.

Identification of Any Warning that can Occur : According to Toyota's DIR, the SRS warning lamp will illuminate, the "Passenger Airbag OFF" lamp will illuminate, and the Multi-Information Display (MID) will display a message. According to Honda's DIR, the SRS warning light may illuminate.

Involved Components :

Component Name : Weight Sensor Assembly

Component Description : Weight Sensor

Component Part Number : See above

Supplier Identification :

Component Manufacturer

Name : Aisin Electronics Illinois, LLC

Address : 11200 Redco Dr

Marion Illinois 62959

Country : United States

Chronology :

Aisin has not determined that a safety-related defect exists in the subject components. Rather, this report is being filed in accordance with 49 CFR Part 573.3(f) based upon vehicle DIRs submitted by two OEM customers whose vehicles are equipped with the subject components.

December 22, 2023: Aisin learned that Toyota Motor Engineering & Manufacturing filed a DIR identifying a defect in certain vehicles equipped with Weight Sensors manufactured at Aisin Electronics Illinois, LLC using PCBs from a temporary sub-supplier. NHTSA Recall #23V865.

February 06, 2024: Aisin learned that Honda submitted a vehicle DIR identifying a defect in vehicles equipped with Weight Sensors manufactured at Aisin Electronics Illinois, LLC using PCBs from a temporary sub-supplier. NHTSA Recall #24V064.

February 12, 2024: Based on the Toyota and Honda DIRs, Aisin Electronics Illinois, LLC is submitting this DIR in accordance with 49 Part 573.3(f).

Description of Remedy :

Description of Remedy Program : Aisin is providing this information in accordance with 49 CFR 573.3(f). Aisin has notified its vehicle manufacturer customers of the information contained in this report. Vehicle manufacturers will determine the impact on their vehicles and provide any applicable notification and remedies.

How Remedy Component Differs from Recalled Component : Aisin is providing this information in accordance with 49 CFR 573.3(f). Applicable remedies are determined by each vehicle manufacturer conducting a recall.

Identify How/When Recall Condition was Corrected in Production : On November 14, 2020, production of the PCB reverted to original supply after recovery from the natural disaster.

Recall Schedule :

Description of Recall Schedule : The remedy schedule will be determined by each vehicle manufacturer conducting a recall, and quarterly recall completion reports will be submitted by those manufacturers.

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 : Toyota Motor North America
Address : 6565 Headquarters Drive
Plano TX 75024
Country : US
Company Phone : 4832967

Name : Honda (American Honda Motor Co.)
Address : 1919 Torrance Blvd
Torrance CA 90501
Country : US
Company Phone : 9364229

Name : Subaru of America, Inc.
Address : One Subaru Drive
Camden NJ 08103
Country : US
Company Phone : 9496110

* NR - Not Reported