

Part 573 Safety Recall Report

20E-085

Manufacturer Name : Denso International America, Inc.**Submission Date :** APR 20, 2021**NHTSA Recall No. :** 20E-085**Manufacturer Recall No. :** NR**Manufacturer Information :****Manufacturer Name :** Denso International America, Inc.**Address :** 24777 DENSO Drive
Southfield MI 48033**Company phone :** 999**Population :****Number of potentially involved :** 2,153,866**Estimated percentage with defect :** NR**Equipment Information :****Brand / Trade 1 :** DENSO**Model :** Fuel Pump**Part No. :** Various Part Numbers**Size :** N/A**Function :** Fuel Supply**Descriptive Information :** The low-pressure fuel pump is located in the fuel tank and supplies fuel pressure to the fuel injection system.**Production Dates :** JUN 26, 2017 - JUN 28, 2019**Description of Defect :****Description of the Defect :** For Description of Defect, please see DIR filed April 24, 2020 attached to recall 20E-026.**FMVSS 1 :** NR**FMVSS 2 :** NR**Description of the Safety Risk :** For Description of Safety Risk please see DIR filed April 24, 2020 attached to recall 20E-026.**Description of the Cause :** For Description of Cause, please see DIR filed April 24, 2020 attached to recall 20E-026.**Identification of Any Warning that can Occur :** For Identification of Any Warning that can Occur, please see DIR filed April 24, 2020 attached to recall 20E-026.**Involved Components :**

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : DENSO International America, Inc.

Address : 24777 Denso Drive
Southfield Michigan 48086

Country : United States

Chronology :

For earlier events, see Separate DENSO DIR filed April 24, 2020 attached to recall 20E-026.

June 2020 – October 2020

Additional analysis was conducted regarding the density of impellers manufactured during various periods. Because the impeller material contains three elements (resin, glass fiber, and calcium carbonate), but only one element (resin) is susceptible to swelling, only resin density was examined for this analysis. Resin density was found to more closely correlate with the occurrence of field cases than overall impeller density. The resin density findings indicated additional material lots which could contribute to the occurrence of the condition in combination with other factors.

In addition, the surface strength of impellers manufactured during various periods was examined with additional variables considered. This analysis demonstrated that a lower minimum surface strength than previously estimated could be possible.

The new resin density and surface strength information can be correlated by vehicle manufacturers with warranty data, production timing data, vehicle specific variables, and other information to determine which vehicles, if any, may be susceptible to the condition.

November 2020

Toyota filed a safety recall notice (20V-682) to cover additional Toyota vehicles that were not included in its earlier recall notices.

December 2020

Toyota amended safety recall notice (20V-682) to include additional vehicle models.

March 2021

Honda filed a safety recall notice (21V-215) to cover additional Honda vehicles that were not included in

its earlier recall notices.

DENSO sells low pressure fuel pumps of similar but not identical design and construction to other vehicle manufacturers. The vehicles of the other vehicle manufacturers possess different fuel delivery systems, engine configurations, and other variables to those Toyota included in its recall. Denso is cooperating with other vehicle manufacturers' analysis.

Description of Remedy :

Description of Remedy Program : The remedy program, if any, will be determined by vehicle manufacturers.

How Remedy Component Differs from Recalled Component : The impeller of fuel pumps utilized for a remedy component have higher density.

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

Recall Schedule :

Description of Recall Schedule : The recall schedule will be decided by vehicle 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 : American Honda Motor Co., Inc.

Address : 1919 Torrance Blvd.

Torrance CA 90501-2746

Country : US

Company Phone : NR

Name : Ford Motor Company
Address : 1 American Rd
Dearborn MI 48126
Country : US
Company Phone : 8003923673

Name : Mazda North American Operations
Address : 1025 Connecticut Avenue NW
Washington DC 20036
Country : US
Company Phone : NR

Name : Mitsubishi Motors North America, Inc.
Address : 4015 Aspen Grove Dr
Franklin TN 37067
Country : US
Company Phone : 8654414166

Name : Subaru of America, Inc.
Address : One Subaru Drive
Camden NJ 08103
Country : US
Company Phone : 8564888500

Name : Toyota Motor North America, Inc.
Address : 6565 Headquarters Drive
Plano TX 75024
Country : US
Company Phone : 4692924000

Name : Magnuson Products, LLC
Address : 1990 Knoll Drive, Building A
Ventura CA 93003
Country : US
Company Phone : 8056428833

* NR - Not Reported