

# Part 573 Safety Recall Report

# 21V-875

**Manufacturer Name :** Mazda North American Operations**Submission Date :** JUL 21, 2022**NHTSA Recall No. :** 21V-875**Manufacturer Recall No. :** 5321K**Manufacturer Information :**

Manufacturer Name : Mazda North American Operations

Address : 1025 Connecticut Avenue, NW

Suite 910 Washington DC 20036

Company phone : 800-222-5500

**Population :**

Number of potentially involved : 121,038

Estimated percentage with defect : 1 %

**Vehicle Information :**

Vehicle 1 : 2018-2019 Mazda CX-5

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : - Recall population determined by the production record of vehicles which have the subject fuel pump installed.

- Vehicles not equipped with the subject fuel pump are not involved in this recall. The following is the affected number of vehicles by MY/Make/Model:  
 MY2018 Mazda CX-5 built at Mazda Motor Corporation: 72,554 units.  
 MY2019 Mazda CX-5 built at Mazda Motor Corporation: 9,276 units.

Production Dates : APR 03, 2018 - OCT 27, 2018

VIN Range 1 : Begin : JM3KFBCM6J1387268 End : JM3KFBCM5J0476254  Not sequentialVIN Range 2 : Begin : JM3KFBBM7K0500024 End : JM3KFACM3K0514334  Not sequential

Vehicle 2 : 2018-2018 Mazda Mazda6

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : - Recall population determined by the production record of vehicles which have the subject fuel pump installed.

- Vehicles not equipped with the subject fuel pump are not involved in this recall. The following is the affected number of vehicles by MY/Make/Model:  
 MY2018 Mazda Mazda6 built at Mazda Motor Corporation: 13,515 units.

Production Dates : APR 06, 2018 - OCT 24, 2018

VIN Range 1 : Begin : JM1GL1VM4J1313085 End : JM1GL1VM0J1329168  Not sequential

Vehicle 3 : 2019-2019 Mazda CX-3

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : - Recall population determined by the production record of vehicles which have the subject fuel pump installed.  
- Vehicles not equipped with the subject fuel pump are not involved in this recall. The following is the affected number of vehicles by MY/Make/Model:  
MY2019 Mazda CX-3 built at Mazda Motor Corporation: 8,987 units.

Production Dates : APR 10, 2018 - NOV 06, 2018

VIN Range 1 : Begin : JM1DKDC72K0403654 End : JM1DKDB76K0428073  Not sequential

Vehicle 4 : 2018-2019 Mazda CX-9

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : - Recall population determined by the production record of vehicles which have the subject fuel pump installed.  
- Vehicles not equipped with the subject fuel pump are not involved in this recall. The following is the affected number of vehicles by MY/Make/Model:  
MY2018 Mazda CX-9 built at Mazda Motor Corporation: 6,734 units.  
MY2019 Mazda CX-9 built at Mazda Motor Corporation: 6,625 units.

Production Dates : APR 16, 2018 - OCT 17, 2018

VIN Range 1 : Begin : JM3TCACY2J0229736 End : JM3TCACY1J0237357  Not sequential

VIN Range 2 : Begin : JM3TCBCY8K0300008 End : JM3TCBCY5K0308082  Not sequential

Vehicle 5 : 2018-2018 Mazda Mazda3

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : - Recall population determined by the production record of vehicles which have the subject fuel pump installed.  
- Vehicles not equipped with the subject fuel pump are not involved in this recall. The following is the affected number of vehicles by MY/Make/Model:  
MY2018 Mazda Mazda3 built at Mazda Motor Corporation: 210 units.

Production Dates : MAY 07, 2018 - OCT 01, 2018

VIN Range 1 : Begin : JM1BN1U79J1191050 End : JM1BN1K78J1198901  Not sequential

Vehicle 6 : 2018-2019 Mazda MX-5

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : - Recall population determined by the production record of vehicles which have the subject fuel pump installed.  
- Vehicles not equipped with the subject fuel pump are not involved in this recall. The following is the affected number of vehicles by MY/Make/Model:  
MY2018 Mazda MX-5 built at Mazda Motor Corporation: 391 units.  
MY2019 Mazda MX-5 built at Mazda Motor Corporation: 2,517 units.

Production Dates : APR 05, 2018 - OCT 29, 2018

VIN Range 1 : Begin : JM1NDAM75J0205791 End : JM1NDAM79J0206202  Not sequential

VIN Range 2 : Begin : JM1NDAB76K0300011 End : JM1NDAM75K0303267  Not sequential

Vehicle 7 : 2019-2020 Mazda Mazda2

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : - Recall population determined by the production record of vehicles which have the subject fuel pump installed.  
- Vehicles not equipped with the subject fuel pump are not involved in this recall. The following is the affected number of vehicles by MY/Make/Model:  
MY2019 Mazda Mazda3 built at Mazda de Mexico Vehicle Operation: 186 units.  
MY2020 Mazda Mazda2 built at Mazda de Mexico Vehicle Operation: 43 units.

Production Dates : NOV 01, 2018 - JAN 13, 2020

VIN Range 1 : Begin : 3MDDJBBV0KM309487 End : 3MDDJBBV1KM316139  Not sequential

VIN Range 2 : Begin : 3MDDJBBV7LM400466 End : 3MDDJBBV7LM401990  Not sequential

## Description of Defect :

Description of the Defect : The impeller in some low pressure fuel pumps may become deformed under certain conditions, which could cause fuel pump failure.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Fuel pump failure may result in engine no start and/or vehicle stall while driving at low speed and, in rare instances, a vehicle stall could occur while driving at higher speeds, increasing the risk of a crash.

Description of the Cause : Subject impellers were manufactured with inadequate material which may lead to surface cracking under certain conditions, resulting in impeller deformation. The impeller may deform to the point where it interferes with the fuel pump body, causing fuel pump failure.

Identification of Any Warning that can Occur : Drivers may notice this defect by a check engine light, and/or rough engine operation.

## Involved Components :

Component Name 1 : Pump, Fuel

Component Description : Pump, Fuel

Component Part Number : PE03-13350, PYFL-13350, P54P-13350, PE01-13350

## Supplier Identification :

### Component Manufacturer

Name : Denso Corporation

Address : 1-1, Showa-cho, Kariya, Aichi  
Foreign States 448-8661

Country : Japan

## Chronology :

Please refer to "Update Chronology 07222021.pdf" as an attachment.

## Description of Remedy :

Description of Remedy Program : Owners will be notified by mail and instructed to take their vehicles to Mazda dealers.  
Dealers will replace affected fuel pumps with improved parts. The remedy will be completed free of charge to owners. This defect is applicable to the reimbursement plan Mazda submitted on March 10, 2020. Through this general reimbursement plan, Mazda will reimburse vehicle owners for repair cost incurred due to the subject defect prior to submission of this safety recall.

How Remedy Component Differs from Recalled Component : Remedy fuel pumps were manufactured with improved density fuel pump impeller resin material.

Identify How/When Recall Condition was Corrected in Production : Improved density of fuel pump impeller resin material was implemented since July 1, 2019.

**Recall Schedule :**

Description of Recall Schedule : Notification to dealers is expected to occur on or before November 15, 2021. Mailing of owner notification letters is expected to be completed on or before January 11, 2022.

Planned Dealer Notification Date : NOV 15, 2021 - NOV 15, 2021

Planned Owner Notification Date : JAN 11, 2022 - JAN 11, 2022

\* NR - Not Reported