

Part 573 Safety Recall Report

20V-218

Manufacturer Name : Subaru of America, Inc.**Submission Date :** APR 16, 2020**NHTSA Recall No. :** 20V-218**Manufacturer Recall No. :** WRD-20**Manufacturer Information :**

Manufacturer Name : Subaru of America, Inc.

Address : One Subaru Drive
Camden NJ 08103

Company phone : 844-373-6614

Population :

Number of potentially involved : 188,207

Estimated percentage with defect : 4 %

Vehicle Information :

Vehicle 1 : 2019-2019 Subaru Impreza

Vehicle Type : LIGHT VEHICLES

Body Style : STATIONWAGON

Power Train : GAS

Descriptive Information : -Description of the issue: The affected vehicles may be equipped with a low pressure fuel pump produced during a specific timeframe that may include an impeller which has been manufactured with a lower density. If the surface of the lower density impeller is exposed to solvent drying for longer periods of time, it may develop fine cracks. These cracks may lead to excessive fuel absorption, resulting in impeller deformation. Over time, the impeller may become deformed enough to interfere with the body of the fuel pump, potentially causing the low pressure fuel pump to become inoperative.

-The basis for how the recall population was determined: Potentially affected vehicles were identified using vehicle production records and supplier part production records.

-How the recalled products differ from products that were not included in the recall: Included in this recall are vehicles potentially equipped with a low pressure fuel pump manufactured between April 2018 and July 2018 which may have an impeller produced under both conditions, lower density and exposure to solvent drying for longer periods of time.

The recall population includes certain 2019 model year Impreza Stationwagon vehicles. The number of potentially affected Impreza Stationwagon vehicles is 28,050.

Production Dates : JUN 18, 2018 - FEB 25, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential

Vehicle 2 : 2019-2019 Subaru Impreza

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

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The recall population includes certain 2019 model year Impreza 4-Door vehicles. The number of potentially affected Impreza 4-Door vehicles is 12,747.

Production Dates : JUN 18, 2018 - FEB 25, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 3 : 2019-2019 Subaru Outback

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

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-The basis for how the recall population was determined: Potentially affected vehicles were identified using vehicle production records and supplier part production records.

-How the recalled products differ from products that were not included in the recall: Included in this recall are vehicles potentially equipped with a low pressure fuel pump manufactured between April 2018 and July 2018 which may have an impeller produced under both conditions, lower density and exposure to solvent drying for longer periods of time.

The recall population includes certain 2019 model year Outback vehicles. The number of potentially affected Outback vehicles is 86,278.

Production Dates : JUN 29, 2018 - FEB 19, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 4 : 2019-2019 Subaru Legacy

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

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-The basis for how the recall population was determined: Potentially affected vehicles were identified using vehicle production records and supplier part production records.

-How the recalled products differ from products that were not included in the recall: Included in this recall are vehicles potentially equipped with a low pressure fuel pump manufactured between April 2018 and July 2018 which may have an impeller produced under both conditions, lower density and exposure to solvent drying for longer periods of time.

The recall population includes certain 2019 model year Legacy vehicles. The number of potentially affected Legacy vehicles is 20,182.

Production Dates : JUN 29, 2018 - FEB 19, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Vehicle 5 : 2019-2019 Subaru Ascent

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

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-The basis for how the recall population was determined: Potentially affected vehicles were identified using vehicle production records and supplier part production records.

-How the recalled products differ from products that were not included in the recall: Included in this recall are vehicles potentially equipped with a low pressure fuel pump manufactured between April 2018 and July 2018 which may have an impeller produced under both conditions, lower density and exposure to solvent drying for longer periods of time.

The recall population includes certain 2019 model year Ascent vehicles. The number of potentially affected Ascent vehicles is 40,950.

Production Dates : JUN 26, 2018 -JAN 18, 2019

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The affected vehicles may be equipped with a low pressure fuel pump produced during a specific timeframe that may include an impeller which has been manufactured with a lower density. If the surface of the lower density impeller is exposed to solvent drying for longer periods of time, it may develop fine cracks. These cracks may lead to excessive fuel absorption, resulting in impeller deformation. Over time, the impeller may become deformed enough to interfere with the body of the fuel pump, potentially causing the low pressure fuel pump to become inoperative.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the low pressure fuel pump becomes inoperative, the check engine warning light or malfunction indicator light may illuminate, and/or the engine may run rough. In the worst case, an inoperative fuel pump may result in the engine stalling without the ability to restart the vehicle, increasing the risk of

Description of the Cause : a crash.
Certain impeller production lots may have a lower impeller density. If the surface of the lower density impeller is exposed to solvent drying for longer periods of time, it may develop fine cracks. Low pressure fuel pumps manufactured between April 2018 and July 2018 may have an impeller produced under both conditions, lower density and exposure to solvent drying for longer periods of time.

Identification of Any Warning that can Occur : Illumination of the check engine warning light or malfunction indicator light, and/or rough engine running may occur.

Involved Components :

Component Name 1 : PUMP WITH FILTER

Component Description : Pump with filter

Component Part Number : 42022FL02B

Component Name 2 : PUMP WITH FILTER

Component Description : Pump with filter

Component Part Number : 42022FL030

Component Name 3 : PUMP WITH FILTER

Component Description : Pump with filter

Component Part Number : 42022XC01A

Component Name 4 : PUMP WITH FILTER

Component Description : Pump with filter

Component Part Number : 42022SG000

Component Name 5 : PUMP WITH FILTER

Component Description : Pump with filter

Component Part Number : 42022AL00B

Component Name 6 : PUMP WITH FILTER

Component Description : Pump with filter

Component Part Number : 42022AL01B

Supplier Identification :

Component Manufacturer

Name : Denso International America, Inc.

Address : 24777 Denso Drive

Southfield MICHIGAN 48033

Country : United States

Chronology :

July 2019 – January 2020 – Subaru received 32 field reports of which 24 indicated an engine no-start condition only. The remaining 8 reports indicated an engine loss of power either immediately after start or while driving at low speeds.

January 2020 – March 2020 - In January 2020, Subaru received a Technical Report from a foreign market alleging an engine loss of power while operating at highway speeds. Subaru collected the parts for additional inspection. From the part investigation, Subaru found that the impeller was deformed and was likely the cause of the loss of power.

April 9, 2020 – Subaru has identified, using best engineering judgement, 33 unique dealer and non-dealer field reports, 245 warranty claims indicating fuel pump replacement (excluding abnormal noise claims), and 1 VOQ. Subaru is not aware of any crashes or injuries that have occurred as a result of this condition. Although most cases appear to result in an inability to start the engine, out of an abundance of caution, Subaru decided to conduct a voluntary safety recall.

Description of Remedy :

Description of Remedy Program : For all of the potentially affected vehicles, Subaru dealers will replace the low pressure fuel pump (Component Name: PUMP WITH FILTER) with an improved part at no cost.

How Remedy Component Differs from Recalled Component : Remedy components have a fuel pump impeller with a higher density.

Identify How/When Recall Condition was Corrected in Production : The supplier began using the fuel pump with filter with a higher density impeller in July 2019.

Recall Schedule :

Description of Recall Schedule : Owner notification will occur within 60 days. Dealer notification is scheduled to begin on or about April 17, 2020.

Planned Dealer Notification Date : APR 17, 2020 - APR 17, 2020

Planned Owner Notification Date : JUN 05, 2020 - JUN 05, 2020

* NR - Not Reported