Manufacturer Name :Subaru of America, Inc.Submission Date :JUL 29, 2021NHTSA Recall No. :21V-587Manufacturer Recall No. :WRG-21

Manufacturer Information :

Manufacturer Name : Subaru of America, Inc. Address : One Subaru Drive

Camden NJ 08103 Company phone : 844-373-6614

Vehicle Information :

Vehicle 1:	2018-2019 Subaru BRZ		
Vehicle Type :	LIGHT VEHICLES		
Body Style :	2-DOOR		
Power Train :	GAS		
Descriptive Information :	-Description of the issue: The fuel pump produced during a has been manufactured with affected vehicles, this combin the impeller and the body of t	specific timeframe that may a lower density and a fuel pu ation may lower the resistar	include an impeller which imp controller. For the
	-The basis for how the recall were identified using vehicle records.		
	-How the recalled products d Included in this recall are veh pump manufactured between impeller density and are used	icles potentially equipped w March 2018 and March 201	ith a low pressure fuel 9 which may have a lower
	The recall population include The number of potentially aff		
Production Dates :	APR 06, 2018 - NOV 06, 2018		
VIN Deventer 1	Begin : NR	End: NR	Not sequential

Population :

Number of potentially involved : 165,026 Estimated percentage with defect : 1 %

The information contained in this report was submitted pursuant to 49 CFR §573



21V-587

Vehicle 2:	2018-2020 Subaru Impreza
	LIGHT VEHICLES
Body Style :	
Power Train :	
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 March 2018 and March 2019 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 2018-2020 model year Impreza 4-Door vehicles. The number of potentially affected Impreza 4-Door vehicles is 8,525.
Production Dates :	MAY 07, 2018 - MAY 31, 2019
VIN Range 1:	

21V-587

Vehicle 3:	2018-2020 Subaru Impreza
Vehicle Type :	LIGHT VEHICLES
• -	STATIONWAGON
Power Train :	
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 March 2018 and March 2019 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 2018-2020 model year Impreza Stationwagon vehicles. The number of potentially affected Impreza Stationwagon vehicles is 19,580.
	MAY 03, 2018 - MAY 31, 2019
VIN Range 1:	Begin :NREnd :NRNot sequential

Vehicle 4:	2019-2020 Subaru	Ascent		
Vehicle Type :	LIGHT VEHICLES			
Body Style :	SUV			
Power Train :	GAS			
Descriptive Information :	fuel pump produced has been manufactu impeller is exposed cracks. These cracks deformation. Over t	l during a sp red with a l to solvent c s may lead t ime, the imp	becific timeframe that ower density. If the s rying for longer per o excessive fuel abso beller may become d	be equipped with a low pressure at may include an impeller which surface of the lower density iods of time, it may develop fine orption, resulting in impeller eformed enough to interfere with ow pressure fuel pump to become
				nined: Potentially affected vehicles ad supplier part production
	Included in this reca pump manufacture	all are vehic 1 between N 1nder both o	les potentially equip Iarch 2018 and Marc conditions, lower det	at were not included in the recall: oped with a low pressure fuel ch 2019 which may have an nsity and exposure to solvent
	1 1		certain 2019-2020 m ted Ascent SUV vehi	nodel year Ascent SUV vehicles. cles is 22,831.
Production Dates :	JAN 14, 2019 - MAY	20, 2019		
VIN Range 1:	Begin : N	2	End: NR	□ Not sequential

21V-587

	2018-2020 Subaru Legacy
Vehicle Type : 1	no to nono suburu Leguey
	LIGHT VEHICLES
Body Style :	
Power Train : (GAS
	-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.
] j i	-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 March 2018 and March 2019 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 2018-2020 model year Legacy 4-Door vehicles. The number of potentially affected Legacy 4-Door vehicles is 15,257.
Production Dates : J	JUN 25, 2018 - SEP 27, 2019
VIN Range 1: B	Begin : NR End : NR 🗌 Not sequential

Vehicle 6:	2018-2020 Subaru C	utback		
Vehicle Type :	LIGHT VEHICLES			
Body Style :	SUV			
Power Train :	GAS			
Descriptive Information :	fuel pump produced has been manufactur impeller is exposed to cracks. These cracks deformation. Over ti the body of the fuel p inoperative. -The basis for how the were identified using	during a specif red with a lowe o solvent dryin may lead to ex ne, the impelle oump, potential ne recall popula	ic timeframe that may ind r density. If the surface of g for longer periods of tir cessive fuel absorption, re r may become deformed ly causing the low pressu	clude an impeller which f the lower density ne, it may develop fine esulting in impeller enough to interfere with are fuel pump to become tentially affected vehicles
	Included in this reca pump manufactured impeller produced u drying for longer per The recall population	l are vehicles p between Marc nder both cond iods of time. n includes certa	om products that were no otentially equipped with n 2018 and March 2019 v itions, lower density and in 2018-2020 model year Dutback SUV vehicles is 8	a low pressure fuel vhich may have an exposure to solvent r Outback SUV vehicles.
Production Dates :	JUN 25, 2018 - SEP 2	7, 2019		
VIN Range 1:			d: NR	☐ Not sequential

21V-587

Vehicle 7:	2018-2019 Toyota 86		
Vehicle Type :	LIGHT VEHICLES		
Body Style :	2-DOOR		
Power Train :	GAS		
Descriptive Information :	fuel pump produced durin has been manufactured with	ng a specific timeframe that ith a lower density and a fu bination may lower the res	be equipped with a low pressure a may include an impeller which the pump controller. For the sistance to interference between
		all population was determi cle production records and	ned: Potentially affected vehicles I supplier part production
	Included in this recall are pump manufactured betw	vehicles potentially equipp	were not included in the recall: ed with a low pressure fuel n 2019 which may have a lower with a FPC.
			odel year Toyota 86 2-Door 36 2-Door vehicles is 3,660.
Production Dates :	APR 06, 2018 - NOV 05, 20)18	
VIN Range 1:1	Begin : NR	End: NR	Not sequential

21V-587

Vehicle 8:	2018-2018 Subaru Forester
Vehicle Type :	LIGHT VEHICLES
Body Style :	SUV
Power Train :	GAS
Descriptive Information :	-Description of the issue: The affected vehicles may be equipped with a low pressur fuel pump produced during a specific timeframe that may include an impeller which has been manufactured with a lower density and a fuel pump controller. For the affected vehicles, this combination may lower the resistance to interference betwee the impeller and the body of the fuel pump.
	-The basis for how the recall population was determined: Potentially affected vehic were identified using vehicle production records and supplier part production records.
	-How the recalled products differ from products that were not included in the recal Included in this recall are vehicles potentially equipped with a low pressure fuel pump manufactured between March 2018 and March 2019 which may have a lower impeller density and are used on vehicles equipped with a FPC.
	The recall population includes certain 2018 model year Forester SUV vehicles. The number of potentially affected Forester SUV vehicles is 2,010.
Production Dates :	APR 20, 2018 - AUG 07, 2018
VIN Range 1:	egin: NR End: NR 🗌 Not sequentia

Vehicle 9:	2018-2019 Subaru V	/RX	
Vehicle Type :	LIGHT VEHICLES		
Body Style :	4-DOOR		
Power Train :	GAS		
Descriptive Information :	fuel pump produced has been manufactur affected vehicles, this	sue: The affected vehicles may be e during a specific timeframe that ma ed with a lower density and a fuel j s combination may lower the resist body of the fuel pump.	ay include an impeller which pump controller. For the
		e recall population was determined y vehicle production records and su	ů l
	Included in this recal pump manufactured	oducts differ from products that we l are vehicles potentially equipped between March 2018 and March 20 are used on vehicles equipped with	with a low pressure fuel 019 which may have a lower
		n includes certain 2018-2019 mode tially affected WRX 4-Door vehicles	
Production Dates :	APR 20, 2018 - NOV)1, 2018	
VIN Range 1:1	Begin : NR	End: NR	Not sequentia

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. For included vehicle models where longer
	solvent drying time has not been identified as a cause, functionality of the fuel
	pump controller (FPC) combined with a lower density impeller may lower the
	resistance to interference between the impeller and 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
The infor	mation contained in this report was submitted pursuant to 49 CFR §573

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 March 2018 and March 2019 may have an impeller produced under both conditions, resin density and exposure to solvent drying for longer periods of time. If equipped, the fuel pump controller can adjust the rotational speed of the fuel pump impeller. This variability in rotational speed could affect the interference point between the impeller and the body of the fuel pump on certain vehicles.
	Illumination of the check engine warning light or malfunction indicator light, and/or rough engine running may occur.
volved Components :	
Component Name 1: F	Pump with Filter
Component Description : F	Pump with Filter
Component Part Number : 4	2022CA000
Component Name 2: F	Pump with Filter
Component Description : F	-
Component Part Number : 4	-
Component Name 3: F	Pump with Filter
Component Description : F	-
Component Part Number : 4	•
Component Name 4 : F	Pump with Filter
Component Description : F	-
Component Part Number : 4	-

opplier Identification : Component Manufacturer	
Component Part Number :	42022AL01B
Component Description :	Pump with Filter
Component Name 10:	Pump with Filter
Component Part Number :	42022AL01A
Component Description :	Pump with Filter
Component Name 9:	Pump with Filter
Component Part Number :	42022AL00B
Component Description :	Pump with Filter
Component Name 8:	Pump with Filter
Component Part Number :	42022AL00A
Component Description :	Pump with Filter
Component Name 7:	Pump with Filter
Component Part Number :	42022XC01A
Component Description :	Pump with Filter
Component Name 6:	Pump with Filter
Component Part Number :	42022AN00A
Component Description :	-
-	Pump with Filter

Name : Denso International America, Inc.

Address : 24777 Denso Drive Southfield Michigan 48033

Country: United States

Chronology :

Chronology of defect provided via separate attachment.

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 August 2, 2021.
Planned Dealer Notification Date :	AUG 02, 2021 - AUG 02, 2021
Planned Owner Notification Date :	SEP 13, 2021 - SEP 27, 2021

* NR - Not Reported