OMB Control No.: 2127-0004

Part 573 Safety Recall Report

19V-149

Manufacturer Name: Subaru of America, Inc.

Submission Date: FEB 28, 2019 NHTSA Recall No.: 19V-149 Manufacturer Recall No.: WUE-90



Manufacturer Information:

Manufacturer Name: Subaru of America, Inc.

Address: One Subaru Drive

Camden NJ 08103

Company phone: 856-488-8500

Population:

Number of potentially involved: 1,303,530 Estimated percentage with defect: 100 %

Vehicle Information:

Vehicle 1: 2014-2016 Subaru Forester

Vehicle Type: LIGHT VEHICLES

Body Style: SUV Power Train: GAS

Descriptive Information: -Description of the issue: Silicone gas may seep into the brake lamp switch housing. If silicone gas is present in the switch housing during contact closure, silicon dioxide may form a deposit layer on the switch contact terminal. If this layer accumulates, the contact switch may lose conductivity, which may result in a loss of function.

Depending on the model, the brake lamp switch functions may include: brake lamp illumination, transmission interlock (shifting from park), ignition interlock (pushbutton ignition start), anti-lock brake system (ABS) functionality, vehicle dynamics control (VDC) functionality, and/or Eyesight operation. If the vehicle experiences a loss in function, as described, any associated warning light(s) will illuminate.

-The basis for how the recall population was determined: Vehicles equipped with a direct-facing contact brake lamp switch may be affected.

-How the recalled products differ from products that were not included in the recall: Vehicles not included in the recall are equipped with a different type of brake lamp switch, such as oblique-facing contact, slide contact, or contactless, which prevent, or are not affected by, the accumulation of silicon dioxide.

The recall population includes certain 2014-2016 model year Forester vehicles. The number of affected Forester vehicles is 526,941.

Production Dates: DEC 18, 2012 - APR 28, 2016

VIN Range 1 : Begin : NR End: NR Not sequential

Vehicle 2: 2008-2016 Subaru Impreza

Vehicle Type: LIGHT VEHICLES

Body Style: 4-DOOR Power Train: GAS

Descriptive Information: -Description of the issue: Silicone gas may seep into the brake lamp switch housing. If silicone gas is present in the switch housing during contact closure, silicon dioxide may form a deposit layer on the switch contact terminal. If this layer accumulates, the contact switch may lose conductivity, which may result in a loss of function. Depending on the model, the brake lamp switch functions may include: brake lamp illumination, transmission interlock (shifting from park), ignition interlock (pushbutton ignition start), anti-lock brake system (ABS) functionality, vehicle dynamics control (VDC) functionality, and/or Eyesight operation. If the vehicle experiences a loss in function, as described, any associated warning light(s) will illuminate.

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The recall population includes certain 2008-2016 model year Impreza 4-door vehicles. The number of affected Impreza 4-door vehicles is 162,744.

Production Dates: APR 26, 2007 - OCT 28, 2016

End: NR VIN Range 1 : Begin : NR Not sequential

Vehicle 3: 2008-2014 Subaru WRX

Vehicle Type: LIGHT VEHICLES

Body Style: 4-DOOR Power Train: GAS

Descriptive Information: -Description of the issue: Silicone gas may seep into the brake lamp switch housing. If silicone gas is present in the switch housing during contact closure, silicon dioxide may form a deposit layer on the switch contact terminal. If this layer accumulates, the contact switch may lose conductivity, which may result in a loss of function. Depending on the model, the brake lamp switch functions may include: brake lamp illumination, transmission interlock (shifting from park), ignition interlock (pushbutton ignition start), anti-lock brake system (ABS) functionality, vehicle dynamics control (VDC) functionality, and/or Eyesight operation. If the vehicle experiences a loss in function, as described, any associated warning light(s) will illuminate.

- -The basis for how the recall population was determined: Vehicles equipped with a direct-facing contact brake lamp switch may be affected.
- -How the recalled products differ from products that were not included in the recall: Vehicles not included in the recall are equipped with a different type of brake lamp switch, such as oblique-facing contact, slide contact, or contactless, which prevent, or are not affected by, the accumulation of silicon dioxide.

The recall population includes certain 2008-2014 model year WRX 4-door vehicles. The number of affected WRX 4-door vehicles is 39.726.

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Vehicle Type : Body Style :	LIGHT VEHICI STATIONWAG	LES	za	
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Descriptive Information :	silicone gas is present in the switch housing during contact closure, silicon dioxide may form a deposit layer on the switch contact terminal. If this layer accumulates, the contact switch may lose conductivity, which may result in a loss of function. Depending on the model, the brake lamp switch functions may include: brake lamp illumination, transmission interlock (shifting from park), ignition interlock (pushbutton ignition start), anti-lock brake system (ABS) functionality, vehicle dynamics control (VDC) functionality, and/or Eyesight operation. If the vehicle experiences a loss in function, as described, any associated warning light(s) will illuminate.			
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	-How the recalled products differ from products that were not included in the recall: Vehicles not included in the recall are equipped with a different type of brake lamp switch, such as oblique-facing contact, slide contact, or contactless, which prevent, or are not affected by, the accumulation of silicon dioxide.			
	The recall population includes certain 2012-2016 model year Impreza stationwagon vehicles. The number of affected Impreza stationwagon vehicles is 210,553.			
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VIN Range 1:	Begin:	NR	End: NR	☐ Not sequential
Vehicle Type : Body Style :	LIGHT VEHICI SUV		rek	
Descriptive Information :	silicone gas is may form a de contact switch Depending on illumination, t button ignition control (VDC) loss in function	present in to posit layer a may lose of the model, ransmission a start), ant functionaling, as describe	he switch housing during on the switch contact term onductivity, which may resthe brake lamp switch function interlock (shifting from pi-lock brake system (ABS) by, and/or Eyesight operationed, any associated warning call population was determ	contact closure, silicon dioxide inal. If this layer accumulates, the sult in a loss of function. etions may include: brake lamp ark), ignition interlock (pushfunctionality, vehicle dynamics on. If the vehicle experiences a g light(s) will illuminate.
	Vehicle 4: Vehicle Type: Body Style: Power Train: Descriptive Information: Production Dates: VIN Range 1: Vehicle 5: Vehicle Type: Body Style: Power Train:	Vehicle 4: 2012-2016 Su Vehicle Type: LIGHT VEHICL Body Style: STATIONWAG Power Train: GAS Descriptive Information: -Description of silicone gas is may form a decontact switch Depending on illumination, to button ignition control (VDC) loss in functio -The basis for direct-facing of the description of the decontact switch, such a are not affected. The recall poption of the decontact switch are not affected. The recall poption of the decontact switch are not affected. The recall poption of the decontact switch are not affected. Vehicle 5: 2013-2017 Su Vehicle Type: LIGHT VEHICL Body Style: SUV Power Train: GAS Descriptive Information: -Description of silicone gas is may form a decontact switch Depending on illumination, to button ignition control (VDC) loss in function. -The basis for	Vehicle 4: 2012-2016 Subaru Impre Vehicle Type: LIGHT VEHICLES Body Style: STATIONWAGON Power Train: GAS Descriptive Information: -Description of the issue: silicone gas is present in t may form a deposit layer contact switch may lose of Depending on the model, illumination, transmission button ignition start), and control (VDC) functionality loss in function, as described. -The basis for how the redirect-facing contact brake. -How the recalled product Vehicles not included in the switch, such as oblique-factorial are not affected by, the act of the switch are not affected by. The number of a switch are not affected by. Production Dates: APR 28, 2011 - OCT 03, 20 VIN Range 1: Begin: NR Vehicle 5: 2013-2017 Subaru Crosst Vehicle Type: LIGHT VEHICLES Body Style: SUV Power Train: GAS Descriptive Information: -Description of the issue: silicone gas is present in the may form a deposit layer contact switch may lose of Depending on the model, illumination, transmission button ignition start), and control (VDC) functionality loss in function, as described. -The basis for how the recontrol of the start of the control of the contr	Vehicle 4: 2012-2016 Subaru Impreza Vehicle Type: LIGHT VEHICLES Body Style: STATIONWAGON Power Train: GAS Descriptive Information: -Description of the issue: Silicone gas may seep into silicone gas is present in the switch housing during a may form a deposit layer on the switch contact term contact switch may lose conductivity, which may res Depending on the model, the brake lamp switch funcillumination, transmission interlock (shifting from p button ignition start), anti-lock brake system (ABS) control (VDC) functionality, and/or Eyesight operati loss in function, as described, any associated warnin -The basis for how the recall population was determ direct-facing contact brake lamp switch may be affected. -How the recalled products differ from products that Vehicles not included in the recall are equipped with switch, such as oblique-facing contact, slide contact, are not affected by, the accumulation of silicon dioxi The recall population includes certain 2012-2016 m vehicles. The number of affected Impreza stationwa Production Dates: APR 28, 2011 - OCT 03, 2016 VIN Range 1: Begin: NR End: NR Vehicle 5: 2013-2017 Subaru Crosstrek Vehicle Type: LIGHT VEHICLES Body Style: SUV

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-How the recalled products differ from products that were not included in the recall: Vehicles not included in the recall are equipped with a different type of brake lamp switch, such as oblique-facing contact, slide contact, or contactless, which prevent, or are not affected by, the accumulation of silicon dioxide.

The recall population includes certain 2013-2017 model year Crosstrek vehicles. The number of affected Crosstrek vehicles is 363,566.

Production Dates: MAY 17, 2012 - JUN 13, 2017

VIN Range 1: Begin: NR End: NR

Description of Defect:

Description of the Defect: Silicone gas may seep into the brake lamp switch housing. If silicone gas is

present in the switch housing during contact closure, silicon dioxide may form a deposit layer on the switch contact terminal. If this layer accumulates, the contact switch may lose conductivity, which may result in a loss of function. Depending on the model, the brake lamp switch functions may include: brake lamp illumination, transmission interlock (shifting from park), ignition interlock (push-button ignition start), anti-lock brake system (ABS) functionality, vehicle dynamics control (VDC) functionality, and/or Eyesight operation. If the vehicle experiences a loss in function, as described, any

associated warning light(s) will illuminate.

FMVSS 1: NR FMVSS 2: NR

Description of the Safety Risk: If the brake lamps do not illuminate properly, a trailing vehicle may be unable

to recognize the braking operation, which may increase the risk of a rear-end

collision.

Description of the Cause: Silicone gas, potentially introduced to the vehicle through various consumer

goods, may seep into the brake lamp switch housing. As the switch is closed, a small electrical discharge may allow the silicone gas to form silicon dioxide, which over time, can accumulate in a layer on the contact. The accumulation of silicon dioxide can lead to a loss in conductivity and switch functionality. If a push-button start system is equipped on the vehicle, the engine may not be able to be started because the brake lamp switch functions as an interlock. If the vehicle is equipped with a CVT or automatic transmission, the shift lever may not be able to be moved from the park or "P" range. A loss in brake lamp switch function may result in nonperformance of the brake lamps. If the vehicle is equipped with ABS, VDC and/or Eyesight, the ABS, VDC and/or Eyesight may deactivate. If the ABS, VDC, and/or Eyesight deactivate, the respective warning light(s) will illuminate, warning the driver of the condition.

Identification of Any Warning If ABS, VDC and/or Eyesight are(is) equipped, the ABS, VDC and/or Eyesight

that can Occur: warning lamp(s) will illuminate. No warning lamp will illuminate for vehicles

not equipped with ABS, VDC, and Eyesight.

Supplier Identification:

Component Manufacturer

Name: Valeo Japan Co., Ltd Address: 2994, Suka, Itako-shi

Ibaraki FOREIGN STATES 311-2448

Country: Japan

Chronology:

Chronology of defect provided via separate attachment (i.e. Subaru Chronology of Defect (WUE-90).pdf)

Description of Remedy:

Description of Remedy Program: For all potentially affected vehicles, Subaru retailers (dealers) will replace

the brake lamp switch with a remedied one for free.

How Remedy Component Differs The remedy component is an oblique-facing contact switch.

from Recalled Component: Recalled Component Name: SWITCH STOP LP

Recalled Component Description: Stop Lamp Switch

Recalled Component Part numbers: 83311FG010, 83311FG011,

83311FG012. 83311FJ000. 83311FJ001

Identify How/When Recall Condition was Corrected in Production: production in the 2017 model year.

Forester vehicles began using a slide contact switch for the start of

Impreza sedan/wagon vehicles began using a contactless switch for the start of production in the 2017 model year.

Crosstrek vehicles began using a contactless switch for the start of production in the 2018 model year.

WRX sedan vehicles began using a slide contact switch for the start of production in the 2015 model year.

Recall Schedule:

Description of Recall Schedule: Owner notification will occur within 60 days. Dealer notification is

scheduled to begin on or about March 01, 2019.

Planned Dealer Notification Date: MAR 01, 2019 - MAR 01, 2019 Planned Owner Notification Date: APR 29, 2019 - APR 29, 2019

* NR - Not Reported