

# Part 573 Safety Recall Report

# 17V-054

**Manufacturer Name :** Porsche Cars North America, Inc.**Submission Date :** JAN 25, 2017**NHTSA Recall No. :** 17V-054**Manufacturer Recall No. :** AH01**Manufacturer Information :**

Manufacturer Name : Porsche Cars North America, Inc.

Address : One Porsche Drive

Atlanta GA 30354

Company phone : 1-800-767-7243

**Population :**

Number of potentially involved : 4,090

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2017-2017 Porsche 911 Carrera

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 08, 2016 - JUN 08, 2016

VIN Range 1 : Begin : WPOAA2A92HS106069 End : WPOAA2A97HS106973  Not sequential

Vehicle 2 : 2017-2017 Porsche 911 Carrera S

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : NR

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 08, 2016 - JUN 15, 2016

VIN Range 1 : Begin : WPOAB2A99HS122072 End : WPOAB2A98HS123018  Not sequential

Vehicle 3 : 2017-2017 Porsche 911 Carrera 4

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 27, 2016 - MAY 04, 2016

VIN Range 1 : Begin : WPOAA2A92HS106069 End : WPOAA2A97HS106973  Not sequential

Vehicle 4 : 2017-2017 Porsche 911 Carrera 4S

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 13, 2016 - MAY 17, 2016

VIN Range 1 : Begin : WPOAB2A99HS122072 End : WPOAB2A98HS123018  Not sequential

Vehicle 5 : 2017-2017 Porsche 911 Targa 4

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Fuel Collection Pipe Faseteners

Production Dates : JAN 28, 2016 - MAY 19, 2016

VIN Range 1 : Begin : WPOBA2A9XHS132066 End : WPOBB2A94HS136255  Not sequential

Vehicle 6 : 2017-2017 Porsche 911 Targa 4S + GTS

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 26, 2016 - JUN 06, 2016

VIN Range 1 : Begin : WPOBB2A9XHS136065 End : WPOBB2A94HS136255  Not sequential

Vehicle 7 : 2017-2017 Porsche 718 Boxster

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : MAR 09, 2016 - MAY 18, 2016

VIN Range 1 : Begin : WPOCA2A89HS220070 End : WPOCA2A82HS220556  Not sequential

Vehicle 8 : 2017-2017 Porsche 718 Boxster S

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : MAR 09, 2016 - JUN 02, 2016

VIN Range 1 : Begin : WPOCB2A83HS240067 End : WPOCB2A85HS240586  Not sequential

Vehicle 9 : 2017-2017 Porsche 718 Cayman  
Vehicle Type : LIGHT VEHICLES  
Body Style : 2-DOOR  
Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JUL 05, 2016 - JUL 19, 2016

VIN Range 1 : Begin : WPOAA2A85HS270066 End : WPOAA2A87HS270067  Not sequential

Vehicle 10 : 2017-2017 Porsche 718 Cayman S  
Vehicle Type : LIGHT VEHICLES  
Body Style : 2-DOOR  
Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JUL 07, 2016 - JUL 22, 2016

VIN Range 1 : Begin : WPOAB2A87HS285066 End : WPOAB2A89HS285070  Not sequential

Vehicle 11 : 2017-2017 Porsche 911 Carrera Cabriolet  
Vehicle Type : LIGHT VEHICLES  
Body Style : 2-DOOR  
Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 08, 2016 - MAY 31, 2016

VIN Range 1 : Begin : WPOCA2A99HS141068 End : WPOCA2A99HS141779  Not sequential

Vehicle 12 : 2017-2017 Porsche 911 Carrera S Cabriolet  
Vehicle Type : LIGHT VEHICLES  
Body Style : 2-DOOR  
Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 11, 2016 - MAY 19, 2016

VIN Range 1 : Begin : WPOCB2A98HS154066 End : WPOCB2A93HS15491  Not sequential

Vehicle 13 : 2017-2017 Porsche 911 Carrera 4 Cabriolet  
Vehicle Type : LIGHT VEHICLES  
Body Style : 2-DOOR  
Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 08, 2016 - MAY 17, 2016

VIN Range 1 : Begin : WPOCA2A99HS141068 End : WPOCA2A99HS141779  Not sequential

Vehicle 14 : 2017-2017 Porsche 911 Carrera 4S Cabriolet  
Vehicle Type : LIGHT VEHICLES  
Body Style : 2-DOOR  
Power Train : GAS

Descriptive Information : Fuel Collection Pipe Fasteners

Production Dates : JAN 11, 2016 -JUN 15, 2016

VIN Range 1 : Begin : WPOCB2A98HS154066 End : WPOCB2A93HS154914  Not sequential

## Description of Defect :

Description of the Defect : There is a possibility that the fastening screws for the fuel collection pipes on the affected vehicles can shear off leading to fuel leakage in the engine compartment.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the screws shear off, then fuel might leak into the engine compartment. Fuel leakage in the presence of an ignition source may result in a risk of fire. However, there have been no vehicle fires reported anywhere in the world due to the issue described above.

Description of the Cause : The fastening screws for the fuel collection pipes could under extreme conditions shear off due to stress corrosion cracking.

Identification of Any Warning that can Occur : A fuel odor will be noticeable to customers.

## Supplier Identification :

### Component Manufacturer

Name : Sonderschrauben Gueldner GmbH & Co. KG

Address : Hohe Buche 13  
Niederstetten FOREIGN STATES 97996

Country : Germany

## Chronology :

March, 2016:

Porsche received information about a first incident with fuel leakage due to a broken fastening screw of the fuel collection pipes.

March to June, 2016:

The failed parts were requested from the field and forwarded to Porsche's Research and Development center for analysis. It was determined that the failure of the part was due to cathodic stress corrosion cracking (SCC) of the threads. This vehicle was exposed to extreme conditions, being used mainly on racetrack in Great Britain. Porsche conducted a thorough field research and was not aware of any other similar incidents. Therefore this incident was considered as a random single occurrence and Porsche closed its internal investigation.

July 2016 to August 2016:

Porsche conducted a Material Technology Analysis as the result of a second case. This occurred on an internal test vehicle. The analysis indicated stress corrosion cracking of a broken fastening screw on the fuel collection pipes.

September 2016 to January 2017:

Porsche received information about a third and a fourth field incident, showing a broken fastening screw of the fuel collection pipes. Both vehicles were also mainly driven under extreme conditions on the same racetrack in Great Britain as the first incident.

January 9th, 2017:

Intensive exclusion procedure analysis was used to determine the root cause of the stress corrosion cracking in order to take further actions. On January 9, 2017, Porsche analyzed the fastening screws for the fuel collection pipes of an internal vehicle that had successfully passed the intensive 160,000 km Porsche test cycle. Although the fastening screws for the fuel collection pipes were still functioning properly, signs of the onset of SCC were observed.

January 18, 2017: The topic was reviewed by the Porsche AG's product safety committee and based on the above information it was decided to conduct a voluntary recall.

## Description of Remedy :

Description of Remedy Program : The vehicles will be recalled to the workshop and an improved fastening screw for the fuel collection pipes will be installed in the affected vehicles.

There are no plans for customer reimbursement as all of the affected vehicles are still covered under warranty.

How Remedy Component Differs from Recalled Component : Improved fastening screws manufactured out of a different material will be installed.

Identify How/When Recall Condition Implementation of improved fastening screws for the fuel collection pipes

was Corrected in Production : were introduced into production in May 2016, as a precautionary measure, despite our belief that the failure was deemed to be an isolated incident that occurred on a vehicle subjected to racetrack conditions.

**Recall Schedule :**

Description of Recall Schedule : To be determined.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported