

# Part 573 Safety Recall Report

# 18V-287

**Manufacturer Name :** Porsche Cars North America, Inc.**Submission Date :** MAY 03, 2018**NHTSA Recall No. :** 18V-287**Manufacturer Recall No. :** AJ04**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 : 305

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2015-2015 Porsche 918 Spyder

Vehicle Type : LIGHT VEHICLES

Body Style : 2-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Recall of the connecting shafts of the longitudinal and transverse control arms.

Production Dates : NOV 06, 2013 - JUL 27, 2015

VIN Range 1 : Begin : WPOCA2A15FS800075 End : WPOCA2A14FS800925  Not sequential**Description of Defect :**

Description of the Defect : Intensive analysis revealed that the connecting shafts of the longitudinal and transverse control arms might be vulnerable to cathodic stress corrosion cracking (SCC).

For this reason the long-term durability of these components as installed in the affected vehicles cannot be assured.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the connecting shafts of the longitudinal and transverse control arms develop any cracking, the vehicle's handling maybe impaired under extreme conditions (such as racetrack use), increasing the risk of a crash.

Description of the Cause : Over lifetime the material of these components may potentially be vulnerable to cathodic stress corrosion cracking (SCC).

Identification of Any Warning that can Occur : None.

## Supplier Identification :

### Component Manufacturer

Name : Hirschmann GmbH

Address : Kirchentannenstrasse 9  
Fluorn-Winzeln FOREIGN STATES 78737

Country : Germany

## Chronology :

In 2017 Porsche proactively conducted an analysis for the 918 Spyder, to identify parts that could theoretically be vulnerable to cathodic stress corrosion cracking (SCC). Based on the results, it was identified, that the connecting shafts of the longitudinal and transverse control arms might be vulnerable to cathodic stress corrosion cracking (SCC).

Porsche conducted an intensive field research and identified one single occurrence which exhibited one damaged connecting shaft of a control arm. The vehicle could still be driven safely.

All of Porsche's internal fleet 918 Spyder vehicles were checked to determine if any parts showed the same defects. None were found.

The influence of the potential failure on drivability was tested on the Porsche test track in April 2018. It was observed that the vehicle handling could be impaired during severe, race track type, use only.

The topic was reviewed by the Porsche product safety committee in 2018 and it was decided on April 25, 2018, to conduct a voluntary recall.

## Description of Remedy :

Description of Remedy Program : The affected components from every Porsche 918 Spyder vehicle will be replaced. The replacement components will be made of a more robust material (42CrMoS4). The affected vehicles are safe to drive normally, but Porsche will recommend to customers that the vehicles not be driven on race tracks until the recall remedy has been completed.

There are no plans for customer reimbursement, as Porsche is not aware of any cases occurring in the US.

How Remedy Component Differs from Recalled Component : The material of the recalled component is made of 'X30CrMoN15-1'. The remedy component will be made of a more robust material (42CrMoS4).

Identify How/When Recall Condition was Corrected in Production : Not applicable. Production of the 918 ended in 2015.

**Recall Schedule :**

Description of Recall Schedule : To be determined.

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : NR - NR

\* NR - Not Reported