

Part 573 Safety Recall Report

21V-362

Manufacturer Name : Porsche Cars North America, Inc.**Submission Date :** JUN 08, 2021**NHTSA Recall No. :** 21V-362**Manufacturer Recall No. :** AMB2**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 : 565

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2021-2021 Porsche Taycan

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 03, 2021 - APR 28, 2021

VIN Range 1 : Begin : WPOAA2Y10MSA13905 End : WPOAA2Y12MSA16448 Not sequential

Vehicle 2 : 2021-2021 Porsche Panamera 4S

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 04, 2021 - MAR 29, 2021

VIN Range 1 : Begin : WPOAB2A70ML139085 End : WPOAB2A75ML139213 Not sequential

Vehicle 3 : 2021-2021 Porsche Panamera 4 E-Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : HYBRID ELECTRIC

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : MAR 17, 2021 - MAR 22, 2021

VIN Range 1 : Begin : WPOAE2A7XML126724 End : WPOAE2A71ML126756 Not sequential

Vehicle 4 : 2021-2021 Porsche Panamera Turbo S

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : MAR 19, 2021 - MAR 29, 2021

VIN Range 1 : Begin : WPOAF2A73ML154331 End : WPOAF2A75ML154346 Not sequential

Vehicle 5 : 2021-2021 Porsche Panamera GTS

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 02, 2021 - MAR 30, 2021

VIN Range 1 : Begin : WPOAG2A72ML147559 End : WPOAG2A72ML147819 Not sequential

Vehicle 6 : 2021-2021 Porsche Panamera

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 03, 2021 - MAR 30, 2021

VIN Range 1 : Begin : WPOAJ2A79ML114186 End : WPOAJ2A75ML116369 Not sequential

Vehicle 7 : 2021-2021 Porsche Panamera 4

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 02, 2021 - MAR 23, 2021

VIN Range 1 : Begin : WPOAJ2A75ML114119 End : WPOAJ2A79ML116293 Not sequential

Vehicle 8 : 2021-2021 Porsche Panamera 4S E-Hybrid

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : HYBRID ELECTRIC

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 04, 2021 - MAR 29, 2021

VIN Range 1 : Begin : WPOAK2A78ML141831 End : WPOAK2A79ML142020 Not sequential

Vehicle 9 : 2021-2021 Porsche Panamera 4S Executive

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 04, 2021 - FEB 04, 2021

VIN Range 1 : Begin : WPOBB2A75ML173009 End : WPOBB2A75ML173009 Not sequential

Vehicle 10 : 2021-2021 Porsche Panamera 4 Executive

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 03, 2021 - FEB 04, 2021

VIN Range 1 : Begin : WPOBJ2A73ML163355 End : WPOBJ2A77ML163374 Not sequential

Vehicle 11 : 2021-2021 Porsche Panamera 4 Sport Turismo

Vehicle Type : LIGHT VEHICLES

Body Style : HATCHBACK

Power Train : GAS

Descriptive Information : Affected vehicles have been identified through production records.

Production Dates : FEB 17, 2021 - MAR 24, 2021

VIN Range 1 : Begin : WPOCJ2A71ML182121 End : WPOCJ2A79ML182190 Not sequential

Description of Defect :

Description of the Defect : Due to a supplier production issue that has since been corrected, the front lower trailing arms in the subject vehicles might not have been forged to specification, which could affect their durability.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the front lower trailing arm fractures, the vehicle may experience a potential deterioration or loss of control which may cause a crash.

Description of the Cause : Internal documentation at the sub-supplier indicates that on certain specific production dates the dedicated forging process for the subject front lower trailing arms was not followed.

Identification of Any Warning that can Occur : The trailing arm may break without warning with an audible cracking noise. Loud grinding and rattling noises may occur, and the steering wheel may be noticeably misaligned (up to 45°) even during light braking.

Involved Components :

Component Name 1 : Suspension trailing arm

Component Description : This trailing arm connects the wheel carrier to the front axle carrier, serving as a suspension guide on the bottom side of the front axle of the vehicle types Panamera (971) and Taycan (J1, Y1A).

Component Part Number : 9J1407152D, 971407152R

Supplier Identification :

Component Manufacturer

Name : THK RHYTHM AUTOMOTIVE GmbH

Address : Fichtenstrasse 37

Düsseldorf Foreign States 40233

Country : Germany

Chronology :

Mid of March, 2021, Porsche was informed about 3 vehicles with broken suspension trailing arms at different mileages (no accidents). These occurred March 1, March 2 and March 10 2021.

Subsequently, the malfunction logs of the sub-supplier were requested to understand if these three defects were isolated cases.

In addition, it was investigated if the defects might be differentiated between fatigue fractures and forced fractures.

It has also been discovered that a particular production combination 'Production date & Tooling set up & Forging' significantly increased the probability of producing defective components and that this combination could only occur with certain load groups (of the trailing arms).

In parallel to the above analyses, Porsche was informed about a fourth incident which happened in the meantime (no accident as well).

The analyses and investigations further revealed, that in connection with the defect, a loss of control might occur when braking the vehicle.

May 10, 2021, after final investigation Porsche decided to conduct a voluntary recall for the affected vehicles, out of abundance of caution.

Description of Remedy :

Description of Remedy Program : The subject front lower trailing arms will be replaced with new lower trailing arms produced to the design specification.

How Remedy Component Differs from Recalled Component : The remedy components are manufactured within the original design specification.

Identify How/When Recall Condition was Corrected in Production : The parts supplier production process was brought back to design specification beginning March 02, 2021 by implementing a 100%-check of all delivered trailing arm billets from the sub-supplier.

Recall Schedule :

Description of Recall Schedule : Dealers and Owners will be notified of this recall on or before July 16, 2021.

Planned Dealer Notification Date : JUL 16, 2021 - JUL 16, 2021

Planned Owner Notification Date : JUL 16, 2021 - JUL 16, 2021

* NR - Not Reported