

# Part 573 Safety Recall Report

# 21V-341

**Manufacturer Name :** Porsche Cars North America, Inc.**Submission Date :** MAY 12, 2021**NHTSA Recall No. :** 21V-341**Manufacturer Recall No. :** AMB1**Manufacturer Information :****Population :**

Manufacturer Name : Porsche Cars North America, Inc.

Number of potentially involved : 12

Address : One Porsche Drive

Estimated percentage with defect : 100 %

Atlanta GA 30354

Company phone : 1-800-767-7243

**Vehicle Information :**

Vehicle 1 : 2021-2021 Porsche Cayenne Turbo

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

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

Production Dates : OCT 15, 2020 - OCT 15, 2020

VIN Range 1 : Begin : WP1AF2AY3MDA36152 End : WP1AF2AY3MDA36152  Not sequential

Vehicle 2 : 2021-2021 Porsche Cayenne GTS

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

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

Production Dates : SEP 28, 2020 - DEC 07, 2020

VIN Range 1 : Begin : WP1AG2AY6MDA33596 End : WP1AG2AY7MDA34465  Not sequential

Vehicle 3 : 2021-2021 Porsche Cayenne GTS Coupe

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

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

Production Dates : OCT 07, 2020 - NOV 13, 2020

VIN Range 1 : Begin : WP1BG2AY0MDA49474 End : WP1BG2AY5MDA49731  Not sequential

**Description of Defect :**

Description of the Defect : There is a possibility that cracks could occur on the running surface of the 'cylinder 6' bore.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : During engine operation, a crack in the bore can lead to an impaired contour of the piston's running surface. If this occurs, there is potential for engine damage, loss of power without warning, and oil leakage from a damaged engine block could occur which could increase a risk of fire.

Description of the Cause : A temporary process error at the supplier during the casting process of the specifically affected engine blocks during a specific time period. More specifically, temporarily misalignment of the automated mold-extrusion stamp occurred in the casting plant.

Identification of Any Warning that can Occur : Possible noises from the engine crankshaft may occur while driving and an oil pressure warning may be displayed in the instrument cluster.

**Involved Components :**

Component Name 1 : Engine block

Component Description : 4.0 litre-V8/V8 Turbo engine 'EA825'

Component Part Number : 0P2.103.011.AB (engine block)

**Supplier Identification :****Component Manufacturer**

Name : Nematik Europe (sub-supplier of casts)

Address : THE SQUAIRE 17

Am Flughafen Frankfurt Frankfurt Foreign States 60549

Country : Germany

**Chronology :**

In mid-March, 2021, Porsche was informed that cracks on the running surface in the 'cylinder 6' bore have been discovered by regular video quality checks at the engine production plant. According to the subsequent analysis, only certain specific engines have been identified as potentially affected. An inventory check was

carried out at the factory, and apart from the above-mentioned affected quantity, no other affected parts were found.

In parallel, it was investigated what consequences such cracks could potentially have on the subject engines. May 05, 2021, upon determining that there was a potential for an engine damage with risk of fire, and out of abundance of caution, Porsche decided to recall the affected vehicles.

## Description of Remedy :

Description of Remedy Program : The engines of the affected vehicles will be replaced.

How Remedy Component Differs from Recalled Component : The remedy components are manufactured within the original casting process specifications.

Identify How/When Recall Condition was Corrected in Production : In the context of the analyses it was discovered that on November 30, 2020 the misalignment of the automated ejector tool was corrected at the sub-suppliers production line. Additionally, a 100% endoscopic bore scope check was implemented in to the engine production on January 8, 2021.

## Recall Schedule :

Description of Recall Schedule : Dealers and Owners will be notified on or before July 10, 2021

Planned Dealer Notification Date : JUL 10, 2021 - JUL 10, 2021

Planned Owner Notification Date : JUL 10, 2021 - JUL 10, 2021

\* NR - Not Reported