

# Part 573 Safety Recall Report

# 24V-455

**Manufacturer Name :** Porsche Cars North America, Inc.

**Submission Date :** JUN 19, 2024

**NHTSA Recall No. :** 24V-455

**Manufacturer Recall No. :** ARB0



## 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 :** 31,689

**Estimated percentage with defect :** 5 %

## Vehicle Information :

**Vehicle 1 :** 2020-2025 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 :** OCT 21, 2019 - JUN 13, 2024

**VIN Range 1 :** Begin: WPOZZZY1ZLSA65780 End: WPOAA2Y11SSA08287  Not sequential

## Description of Defect :

**Description of the Defect :** In certain Taycan vehicles, the front brake hoses may, over time, develop cracks leading to brake fluid leakage. Loss of brake fluid may lead to reduced functionality of the front brakes. Rear brakes remain fully functional.

**FMVSS 1 :** NR

**FMVSS 2 :** NR

**Description of the Safety Risk :** Reduced front brake functionality may increase the risk of a crash.

**Description of the Cause :** Front brake hose compression during certain steering and driving conditions stresses the front brake hoses at the point of minimum bending radius, over time, leading to potential damage to the inner fabric layer of the front brake hoses.

**Identification of Any Warning that can Occur :** If a certain amount of brake fluid is lost, there will be various warning messages provided to the driver. Messages vary depending on leak size and other factors, and may include "brake fluid low" or "PSM failure".

## Involved Components :

Component Name 1 : Left front brake hose

Component Description : Left front brake hose

Component Part Number : 9J1.611.707.x

Component Name 2 : Right front brake hose

Component Description : Right front brake hose

Component Part Number : 9J1.611.708.x

Component Name 3 : Left front brake hose

Component Description : Left front brake hose

Component Part Number : 9J0.611.707.x

Component Name 4 : Right front brake hose

Component Description : Right front brake hose

Component Part Number : 9J0.611.708.x

## Supplier Identification :

### Component Manufacturer

Name : Valeo Powertrain Systems Driveline

Address : Andreas-Humann-Straße 2  
Ebern Foreign States 96106

Country : Germany

## Chronology :

In June 2023, Porsche began receiving reports from the field regarding brake hose leakage incidents. These reports were varied in terms of market and vehicle production date; to date, 7 reports have been received for vehicles in the U.S. Porsche began investigating the brake hose leakage issue, and conducted various analyses such as optical analyses, CT analyses and bench testing, including burst pressure testing of the front brake hoses, in an effort to determine the root cause of the issue. Porsche also studied potential design issues, including brake hose length and/or mounting, as well as market-specific influences. Also, Porsche conducted tests of braking distance increases in the event of full braking/hard stop with a front brake failure and studied increases in brake pedal travel related to this issue. These tests indicated that in the event of a service braking

system failure (i.e., a failure of the braking system at the front axle) FMVSS 135 requirements are fulfilled by the secondary braking system (i.e., the braking system at the rear axle that remains fully functional).

There have been no accidents reported in the U.S. In one non-U.S. incident, an accident was reported, with no injuries. That incident involved a vehicle traveling significantly over the speed limit (approximately 120 km/h in a 30 km/h zone).

In an abundance of caution, Porsche determined on 12 June 2024 that a safety-related defect exists in the subject vehicles and decided to initiate a safety recall.

## Description of Remedy :

**Description of Remedy Program :** The defect will be remedied with new front brake hoses with an increased bending radius, which will reduce the load on the front brake hoses. The owner's letter will advise that Porsche offers a reimbursement for pre-notification remedies in accordance with 49 CFR § 573.13.

**How Remedy Component Differs from Recalled Component :** The remedy component will have an increased bending radius than the recalled front brake hoses.

**Identify How/When Recall Condition was Corrected in Production :** The front brake hoses with the increased bending radius was implemented in production on 13 May 2024.

## Recall Schedule :

**Description of Recall Schedule :** Customers will be notified within 60 days of the submission of this report.

**Planned Dealer Notification Date :** JUL 03, 2024 - JUL 03, 2024

**Planned Owner Notification Date :** AUG 16, 2024 - AUG 16, 2024

\* NR - Not Reported