

Part 573 Safety Recall Report

24V-215

Manufacturer Name : Porsche Cars North America, Inc.

Submission Date : MAR 20, 2024

NHTSA Recall No. : 24V-215

Manufacturer Recall No. : ARA4



Manufacturer Information :

Population :

Manufacturer Name : Porsche Cars North America, Inc.

Number of potentially involved : 606

Address : One Porsche Drive

Estimated percentage with defect : 100 %

Atlanta GA 30354

Company phone : 1-800-767-7243

Vehicle Information :

Vehicle 1 : 2021-2023 Porsche Taycan

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : JAN 25, 2021 - JUN 27, 2023

VIN Range 1 : Begin: WPOAA2Y15MSA13415 End: WPOAA2Y17PSA17020 Not sequential

Vehicle 2 : 2020-2023 Porsche Taycan 4S

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : FEB 11, 2020 - JUN 01, 2023

VIN Range 1 : Begin: WPOAB2Y16LSA50078 End: WPOAB2Y18PSA36740 Not sequential

Vehicle 3 : 2021-2023 Porsche Taycan 4 Cross Turismo

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : JUL 08, 2021 - FEB 21, 2023

VIN Range 1 : Begin: WPOBA2Y10MSA71131 End: WPOBA2Y18PSA60432 Not sequential

Vehicle 4 : 2021-2022 Porsche Taycan 4S Cross Turismo

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : JUL 07, 2021 - MAY 04, 2022

VIN Range 1 : Begin : WPOBB2Y1XMSA81100 End : WPOBB2Y14NSA71387 Not sequential

Vehicle 5 : 2022-2022 Porsche Taycan Turbo S Cross Turismo

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : APR 29, 2022 - APR 29, 2022

VIN Range 1 : Begin : WPOBC2Y12NSA74169 End : WPOBC2Y12NSA74169 Not sequential

Vehicle 6 : 2022-2023 Porsche Taycan GTS

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : MAY 04, 2022 - NOV 14, 2022

VIN Range 1 : Begin : WPOAD2Y12NSA59566 End : WPOAD2Y1XPSA47488 Not sequential

Vehicle 7 : 2023-2023 Porsche Taycan GTS Sport Turismo

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : JUL 17, 2023 - JUL 17, 2023

VIN Range 1 : Begin : WPOCD2Y18PSA90316 End : WPOCD2Y18PSA90316 Not sequential

Vehicle 8 : 2020-2021 Porsche Taycan Turbo

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : NOV 04, 2019 - FEB 17, 2021

VIN Range 1 : Begin : WP0AC2Y13LSA70219 End : WP0AC2Y12MSA63408 Not sequential

Vehicle 9 : 2020-2023 Porsche Taycan Turbo S

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : HYBRID ELECTRIC

Descriptive Information : The vehicles were identified by data analytics to identify affected clusters of production.

Production Dates : OCT 21, 2019 - NOV 29, 2022

VIN Range 1 : Begin : WP0AC2Y16LSA70179 End : WP0AC2Y18PSA52109 Not sequential

Description of Defect :

Description of the Defect : Certain Taycan high-voltage batteries experience short circuits within the battery modules, which can lead to thermal events and in some cases fires.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : A short circuit in the high-voltage battery module can increase the risk of a thermal event.

Description of the Cause : The root cause analysis suggests that production issues in high-voltage battery modules can increase the risk of internal short circuits.

Identification of Any Warning that can Occur : There are no warnings.

Involved Components :

Component Name 1 : Cell block module in high-voltage battery

Component Description : Cell block module in high-voltage battery

Component Part Number : N/A

Supplier Identification :

Component Manufacturer

Name : LG ENERGY SOLUTION WROCLAW sp. z o.o.

Address : LG 1A

Kobierzyce Foreign States 55-040

Country : Poland

Chronology :

In 2021 Porsche became aware of a report of a single vehicle battery fire that occurred shortly after charging. Porsche investigated this incident and began obtaining comparable undamaged batteries from the field for analysis. In 2023, Porsche became aware of further instances of battery fires in Taycan vehicles after charging. Therefore, although the root cause analysis was still ongoing, on 6 December 2023 Porsche determined that a safety-related defect exists in the identified vehicles (manufacturer recall identification code APB5). Porsche continued investigating this issue together with the battery cell/module manufacturer, using in particular data analytics and hardware analyses. With this additional investigation and analyses, on 13 March 2024 Porsche determined that a safety-related defect exists in additional vehicles identified via data analytics and hardware analyses. As there are different batches of potentially affected Porsche Taycan vehicles which require different remedies, Porsche decided to conduct two different recalls on 13 March 2024 (manufacturer recall identification code ARA4 and ARA5): ARA4 applies to a vehicle population where Porsche has sufficient vehicle battery data. ARA5 applies to a vehicle population where Porsche does not or not yet have access to sufficient vehicle battery data.

Description of Remedy :

Description of Remedy Program : As an interim remedy, the owner notification letter will advise that affected vehicles should only be charged to a maximum of 80% of the battery capacity.
The affected modules in the high-voltage battery will be replaced.

The owner notification 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 vehicles were identified by data analytics based on latest root cause analyses to determine affected clusters in production. This report will be updated as necessary.

Replacement battery modules will be produced using improved cell production quality, as applicable.

Identify How/When Recall Condition was Corrected in Production : Vehicles produced after July 17, 2023 are not subject to this recall.

Recall Schedule :

Description of Recall Schedule : Owners will be contacted within 60 days of the filing of this report.

Planned Dealer Notification Date : MAR 27, 2024 - MAR 27, 2024

Planned Owner Notification Date : MAY 17, 2024 - MAY 17, 2024

* NR - Not Reported