Part 573 Safety Recall Report 23V-840

Manufacturer Name : Porsche Cars North America, Inc.
Submission Date : DEC 13, 2023
NHTSA Recall No. : 23V-840
Manufacturer Recall No. : APB5

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 : 205
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 : The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates : JAN 22, 2021 - SEP 16, 2021
VIN Range 1 : Begin : WP0AA2Y14MSA13390 End : WP0AA2Y13MSA19102 ☑ Not sequential

Vehicle 2 : 2021-2021 Porsche Taycan 4S
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : HYBRID ELECTRIC
Descriptive Information : The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates : NOV 02, 2020 - OCT 23, 2021
VIN Range 1 : Begin : WP0AB2Y14MSA40635 End : WP0AB2Y17MSA46123 ☑ Not sequential

Vehicle 3 : 2021-2021 Porsche Taycan Turbo S
Vehicle Type : LIGHT VEHICLES
Body Style : 4-DOOR
Power Train : HYBRID ELECTRIC
Descriptive Information : The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates : NOV 09, 2020 - JUL 29, 2021
VIN Range 1 : Begin : WP0AC2Y19MSA62191 End : WP0AC2Y13MSA63949 ☑ Not sequential

Vehicle 4 :	2021-2021 Porsche Taycan Turbo
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	DEC 03, 2020 - JUN 28, 2021
VIN Range 1 :	Begin : WP0AC2Y11MSA62542 End : WP0AC2Y18MSA63882 ☑ Not sequential

Vehicle 5 :	2021-2021 Porsche Taycan 4 Cross Turismo
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	JUL 06, 2021 - NOV 15, 2021
VIN Range 1 :	Begin : WP0BA2Y10MSA71095 End : WP0BA2Y16MSA71280 ☑ Not sequential

Vehicle 6 :	2021-2021 Porsche Taycan 4S Cross Turismo
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	NOV 11, 2021 - NOV 11, 2021
VIN Range 1 :	Begin : WP0BB2Y11MSA81129 End : WP0BB2Y11MSA81129 ☐ Not sequential

Vehicle 7 :	2021-2021 Porsche Taycan Turbo Cross Turismo
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	JUL 01, 2021 - JUL 14, 2021
VIN Range 1 :	Begin : WP0BC2Y14MSA88086 End : WP0BC2Y17MSA88096 ☑ Not sequential

Vehicle 8 :	2022-2022 Porsche Taycan
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	SEP 21, 2021 - JUL 11, 2022
VIN Range 1 :	Begin : WP0AA2Y12NSA10098 End : WP0AA2Y13NSA17464 ☑ Not sequential

Vehicle 9 :	2022-2022 Porsche Taycan 4S
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	SEP 22, 2021 - AUG 17, 2022
VIN Range 1 :	Begin : WP0AB2Y18NSA43104 End : WP0AB2Y16NSA45952 ☑ Not sequential

Vehicle 10 :	2022-2022 Porsche Taycan Turbo S
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	NOV 02, 2021 - JUN 27, 2022
VIN Range 1 :	Begin : WP0AC2Y17NSA54107 End : WP0AC2Y10NSA54675 ☑ Not sequential

Vehicle 11 :	2022-2022 Porsche Taycan Turbo
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	JUL 11, 2022 - JUL 11, 2022
VIN Range 1 :	Begin : WP0AC2Y14NSA54727 End : WP0AC2Y14NSA54727 ☐ Not sequential

Vehicle 12 :	2022-2022 Porsche Taycan GTS
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	FEB 09, 2022 - JUN 23, 2022
VIN Range 1 :	Begin : WP0AD2Y15NSA59285 End : WP0AD2Y17NSA59742 ☑ Not sequential

Vehicle 13 :	2022-2022 Porsche Taycan 4 Cross Turismo
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	OCT 04, 2021 - APR 22, 2022
VIN Range 1 :	Begin : WP0BA2Y16NSA67134 End : WP0BA2Y17NSA67806 ☑ Not sequential

Vehicle 14 :	2022-2022 Porsche Taycan 4S Cross Turismo
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	NOV 09, 2021 - NOV 09, 2021
VIN Range 1 :	Begin : WP0BB2Y18NSA71148 End : WP0BB2Y18NSA71148 ☐ Not sequential

Vehicle 15 :	2022-2022 Porsche Taycan Turbo S Cross Turismo
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	APR 21, 2022 - APR 21, 2022
VIN Range 1 :	Begin : WP0BC2Y11NSA74146 End : WP0BC2Y11NSA74146 ☐ Not sequential

Vehicle 16 :	2022-2022 Porsche Taycan GTS Sport Turismo
Vehicle Type :	LIGHT VEHICLES
Body Style :	HATCHBACK
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	MAY 11, 2022 - MAY 11, 2022
VIN Range 1 :	Begin : WP0CD2Y17NSA85119 End : WP0CD2Y17NSA85119 ☐ Not sequential

Vehicle 17 :	2023-2023 Porsche Taycan
Vehicle Type :	LIGHT VEHICLES
Body Style :	4-DOOR
Power Train :	HYBRID ELECTRIC
Descriptive Information :	The vehicles were identified by machine-learning to identify affected clusters of production.
Production Dates :	AUG 30, 2022 - JUN 05, 2023
VIN Range 1 :	Begin : WP0AA2Y13PSA10274 End : WP0AA2Y18PSA17009 ☑ 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 battery can increase the risk of a thermal event.
Description of the Cause :	The root cause is still under investigation. The current analysis suggests that multiple charging events above the upper voltage limit can degrade battery cells and cell-walls and 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 55040
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. Porsche's investigation to date indicates that repeated overcharging can damage battery cells and eventually lead to short circuits, creating the risk of thermal events and fires. Although Porsche is still investigating the root cause of this issue, on 6 December 2023 it determined that a safety-related defect exists in these vehicles.

Description of Remedy :

Description of Remedy Program :	The HV Battery will be checked and affected modules will be replaced. 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 vehicles were identified by machine-learning to determine affected clusters in production. Telematics data from vehicles in the field also show real-time battery performance (charge/discharge performance) anomalies in batteries built during the identified clusters. The analysis of the root cause for this issue is ongoing, and this report will be updated as necessary.
Identify How/When Recall Condition was Corrected in Production :	Vehicles produced after June 22, 2023 are not subject to this recall. The analyses of the root cause for this issue is ongoing.

Recall Schedule :

Description of Recall Schedule :	Customers will be notified within 60 days of the filing of this report.
Planned Dealer Notification Date :	JAN 10, 2024 - JAN 10, 2024
Planned Owner Notification Date :	FEB 09, 2024 - FEB 09, 2024

* NR - Not Reported