PORSCHE

Application for Certification:	Initial Part 1
Model Year:	2026
Durability Group:	TPRXEEVNNEMS
Test Group:	TPRXV00.0EMS
Evaporative/Refueling Family(ies):	Not Applicable
Certification Summary Information Report Number(s):	CSI-TPRXV00.0EMS
Durability Group Description:	Chemistry: Lithium-Ion Capacity: 151 Amp-hours Battery Manufacturer: DFS Dräxlmaier
Test Group Description:	Battery Electric Vehicle
Applicable Standards:	EPA Exhaust: Tier 3 Bin Zero CARB Exhaust: ZEV

Carlines Covered:

Macan Electric Macan Electric 20in Wheels		

Vehicles Tested:	See Section 6
EPA Response Requested By:	March 17, 2026
Special Instructions:	N/A
For Questions Contact:	emissions@porsche.us

Table of Contents

Section 1~Correspondence and Communications

Please mail official
correspondence to:

Regulatory Affairs
Porsche Cars North America, Inc.
One Porsche Drive
Atlanta, Georgia 30354
E-mail: emissions@porsche.us

Section 2~Durability Group Description

Durability Group Name:	TPRXEEVNNEMS
Combustion Cycle:	Dedicated Electric
Engine Type:	Electric Motor
Fuel Used:	Power Grid Electricity

Porsche expects equivalent durability characteristics for all models of this test group.

Section 3~Evaporative / Refueling Family Description

Evaporative/Refueling Families

Battery Electric Vehicles. There is no combustion engine, no fuel cell, no fuel-fired heater, and no evaporative system.

Section 4~Durability Procedure Description

Exhaust / Evaporative Deterioration

These are Battery-Electric Vehicles. There is no combustion engine, no fuel cell, no fuel-fired heater, and no evaporative system.

Section 5~Test Group Description

Durability Group Name:	TPRXEEVNNEMS
Test Group Name:	TPRXV00.0EMS
Certification Summary Information Reports:	CSI-TPRXV00.0EMS
Electric Motor Type:	AC Permanent Magnet, Synchronous
Electric Motor Size (HP):	See Section 12 (maximum system power: 335)
Electric Motor Voltage:	430-820
Battery Type:	Li-Ion
Usable Battery Capacity (A-h):	See Section 12 (maximum capacity: 151)
Battery Nominal Voltage (V):	661
Battery Voltage (minimum to maximum):	504-756
Vehicle Classes:	LDV (Light Duty Vehicle)
NLEV Participation:	No
Emissions Standards Class:	Federal: Tier 3 Bin Zero California: ZEV
Applicable Emissions Standards:	Please refer to the Certification Summary Information Report in Section 7

Section 6~Test Vehicle Description

6.01>> Test Vehicles

	Test Vehicle ID - Configuration #	Model Type	Vehicle / Config Purpose
Certification Test Vehicles:	ECFE-XAB-26-0	Macan Electric	Range / Energy
	ECFE-XAB-26-1	Macan Electric	
	ECFE-XAB-26-2	Macan Electric	

Note: In this test group every model type is a test configuration. See Section 12 for vehicle specifications.

Test vehicles' break-in mileage is done according mileage accumulation requirements per 40 CFR 86.1831.01.

Note: blank cells or tables are intentionally blank

Section 6~Test Vehicle Description

6.02>> Test Parameters, Instructions

Carlines		Macan Electric
Engine Starting Procedures		1) With key fob inside car, close the doors 2) Do not press ignition button (left side of steering column) 3) Deactivate Park Distance Control, A/C system, and Center Display 4) Leave all other selectable modes in default 5) Depress brake pedal 6) Set gear selector to Position "D" 7) "READY" will appear on cluster, above speed indicator 8) Driving can commence 9) At conclusion of drive cycle, set gear selector to "P" 10) Exit vehicle, making sure key fob stays at least 10 feet from vehicle
Transmission Shift Schedules, Mode	**Transmission** **1st to 2nd** **2nd to 3rd** **3rd to 4th** **4th to 5th** **5th to 6th** **6th to 7th** **7th to 8th** **SS II.D.**	A1 N/A N/A N/A N/A N/A N/A N/A FTP – FTA; HWFE - HWA
	Transmission Mode	**Transmission cannot be shifted manually; leave driving mode in default (no "Sport" or "Sport +")**
Selectable modes	**Other (Sport, Wet, etc.)**	**All selectable modes to be left in default positions.**
Other	**Cooling fan**	**One road-speed fan, centered upright, front of vehicle**
	Body apertures	**Leave all aperatures closed**
	Drive Mode	**All models are RWD, requiring RWD dynamometer**
	Test lab considerations	**Porsche can supply instructions separately for E-Brake, Dyno Mode, and Soak Area**

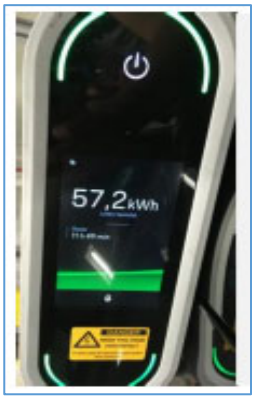
Note: blank cells or tables are intentionally blank

Section 6~Test Vehicle Description

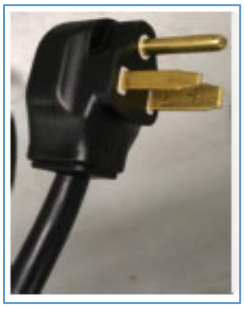
6.02.02>< Battery Charge Procedures

Vehicle Charging Procedures	1) Mobile Charger (standard retail equipment) is supplied with test vehicle(s) 2) Charger input is 208-240V AC, NEMA 14-50 plug (also 110V, NEMA 5-15) 3) Use vehicle left or right side charging port; ports accessible by "press to open" action ** 4) Mobile Charger Connect has touch-screen display; used to monitor charge energy, charging time, and status 5) While charging, lock the car with the fob and place fob at least 10 feet from the vehicle 6) At end Charger displays "Charging Finished", or "Ladevorgang geschlossen" in German version 7) Charge energy and charge status also appear on the center console display 8) Reverse order to complete charging sequence

"Mobile Charger Connect"

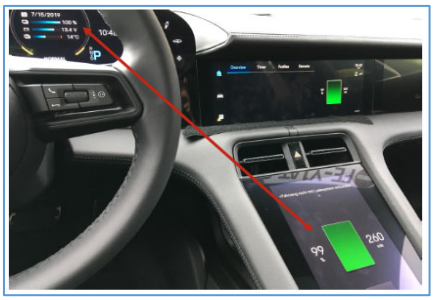


Mobile Charger Connect -- display / touch screen



NEMA 14-50 plug

Charger socket access on vehicle



Use center console display for greatest accuracy *

** Optionally, if so equipped, charge door is opened with a hand wave under the door.
Note: "Mobile Charger Plus" (not shown) may also be supplied. Same as Connect but with simple LEDs, no touch screen.

* State-of-Charge (SOC) is calculated using the integral of current sensor output and calibrated with cell voltage sensors.
Note: optional "19.2 kW On-Board Charger" may accompany production vehicles; instructions for this charger can be supplied.
Macan Electric supports DC fast charging up to a maximum of 250 KW

Section 6~Test Vehicle Description

6.02.03>< Vehicle Handling and Voltage / Current Measurement Procedures

Note: These instructions apply to certification vehicles only. Voltage and current analysis on production vehicles can only be accomplished via control unit communications. Instructions on the following pages.

Section 6~Test Vehicle Description

6.02.04>< Description of the Climate Control System

Overview:

1. Models are equipped with a cabin climate control system.
2. Climate control sytems use R1234yf refrigerant.
3. If the high-voltage battery charge is less than 10%, A/C functions will first be restricted, then turned off, automatically.
4. Interior cooling switches off automatically and cannot be turned on at temperatures below 36 F (2 C).
5. The system has an "ECO" mode that switches off rear air conditioning and reduces the interior comfort level in favor of increased range, and limits other air conditioning functions in order to optimize energy consumption.
6. Cabin pre-heating and pre-cooling is possible, if the high voltage battery is charged 25% or higher, and the vehicle is switched off.
7. Porsche does NOT offer a fuel-fired heater for any of its products.

Operation:

1. Switching off the vehicle's climate control system:

Central display

▸ ▸ **Climate** ▸ **Ventilation** ▸ **OFF**
The **OFF** display appears on the center console control unit and the touch display in the rear, the fresh air supply is interrupted and air conditioning is switched off.

2. Selecting ECO mode:

Central display

▸ ▸ **Climate** ▸ **Ventilation** ▸ **ECO**

Section 6~Test Vehicle Description

6.02.05>< BEV Proper and Safe Operation

Porsche supplies the following safety recommendations, warnings, and special precautions for rescue personnel such as tow truck operators and first responders. These pages are available via Porsche-operated websites (https://www.porsche.com/usa/accessoriesandservices/porscheservice/vehicleinformation/emergencyresponders/). Additionally, safe handling and shop personnel protection procedures are detailed in existing Porsche technician training documentation. This documentation can be supplied upon request.

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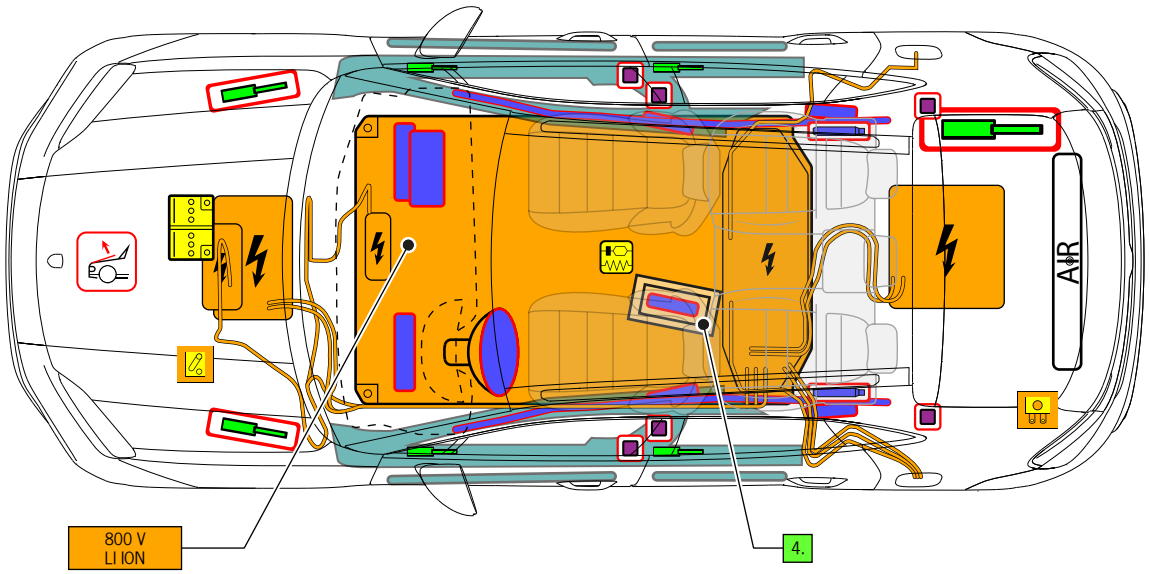
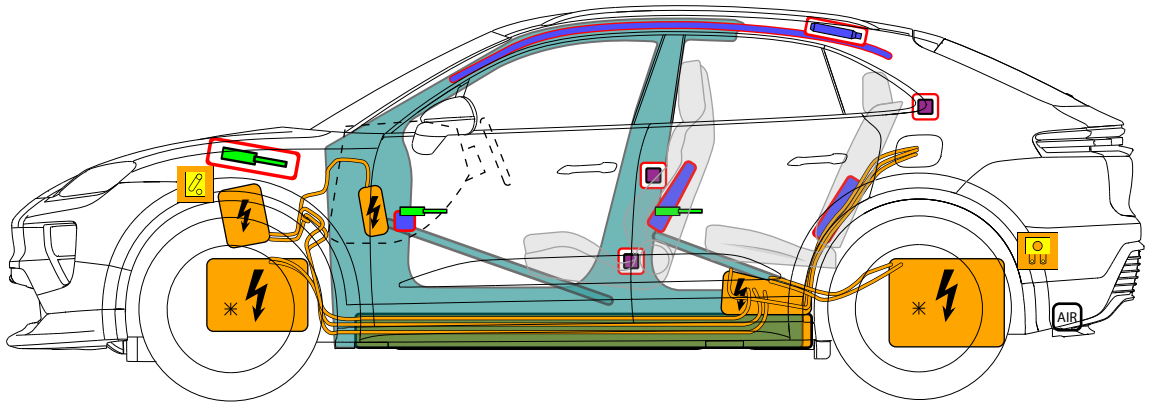




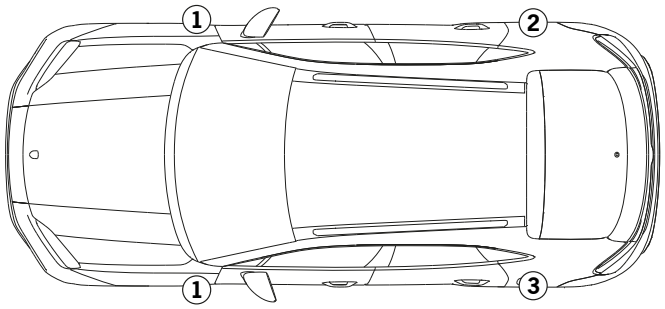
Note: The maximum possible equipment is shown.

	Airbag		Stored gas inflator		Seat belt pretensioner		SRS control unit		Pedestrian protection active system
			Gas strut / Preloaded spring		High strength zone		Zone requiring special attention		
	Battery low voltage		High-voltage battery		High-voltage power cable		Low voltage device that disconnects high voltage		Fuse box disabling high voltage
AIR	Air tank		High voltage component						

PORSCHE

1. Identification / recognition

The lack of engine noise does not mean that the vehicle is turned off.
Restart is possible until the vehicle is decommissioned.

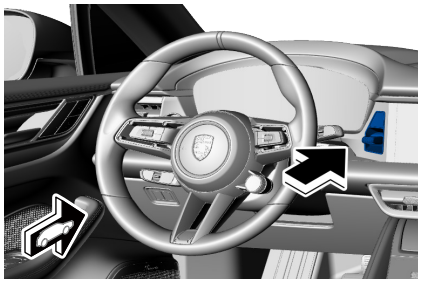


Equipment-dependent

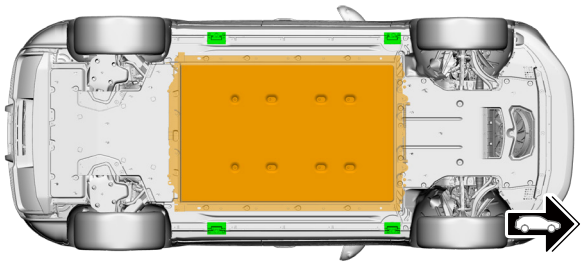
2. Immobilization / stabilisation / lifting

Immobilizing the vehicle

Actuate electric parking brake



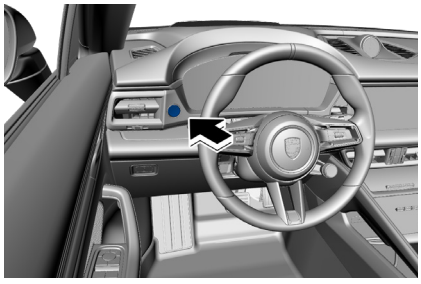
Lifting points

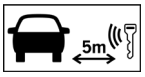


Suitable lifting points High-voltage battery

Switching off ignition

Press “Start-Stop” button on the instrument panel



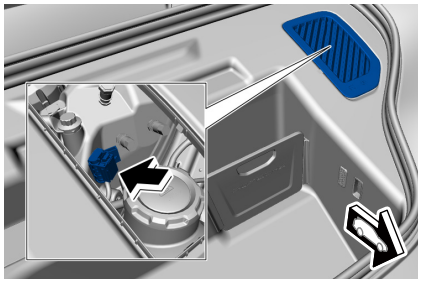


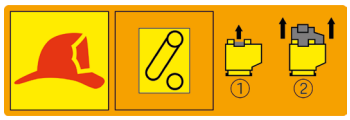
3. Disable direct hazards / safety regulations

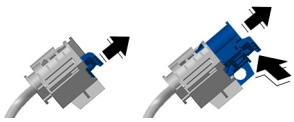
The high-voltage system is automatically disabled in the event of accidents in which the airbag is triggered.The high-voltage system is de-energised approx. 20 seconds after the disabling.

Disabling high-voltage system

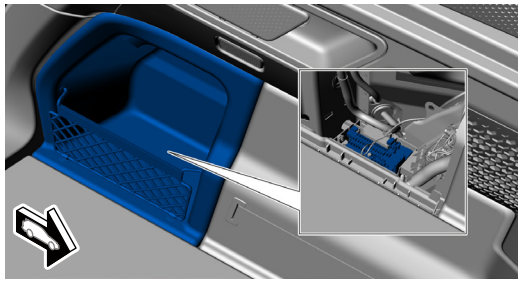
Option 1: from the engine compartment

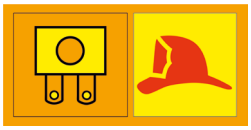






Option 2: from the vehicle rear



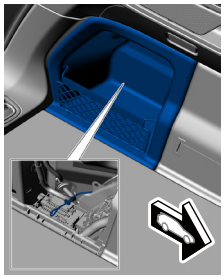


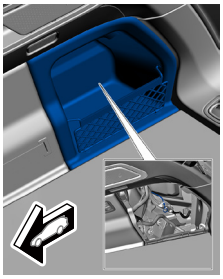
Do not touch, cut or open high-voltage components and high-voltage battery!
Wear appropriate protective equipment!

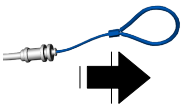
Disconnecting 12-volt battery

Disconnect negative terminal from the body contact point

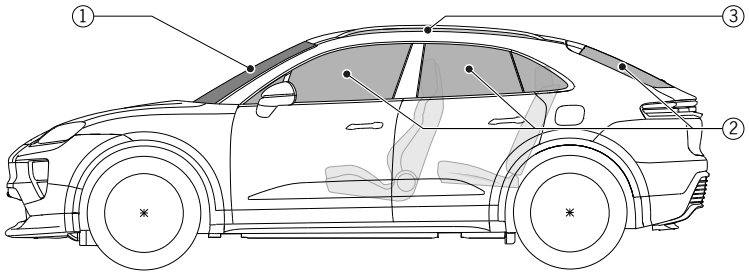
Disconnecting from charging station (emergency release), left and right







4. Access to the occupants



Glass types

(1) Laminated safety glass

(2) Equipment-dependent: Single-pane safety glass or laminated safety glass

(3) Equipment-dependent: Single-pane safety glass

The centre airbag is located inside the driver's seat inner backrest padding.

5. Stored energy / liquids / gases / solids

LI ION
800 V

12 V

If coolant is leaking from the battery cooling system, there is the risk of a thermal reaction in the high-voltage battery.
Monitor high-voltage battery temperature.

IR

6. In case of fire

Lithium-ion batteries may self-ignite or re-ignite after the fire has been extinguished!
Wear appropriate protective equipment!

IR

7. In case of submersion

After recovering the vehicle from the water, disable the high-voltage system (see section 3) and allow the water to drain. Wear appropriate protective equipment!

8. Towing / transportation / storage

Lithium-ion batteries may self-ignite or re-ignite after the fire has been extinguished!
Wear appropriate protective equipment!

IR

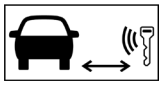
In the case of vehicles involved in an accident or if the HV battery is damaged or unusual: disable high-voltage system (see section 3). Park vehicle a safe distance from buildings and other vehicles (quarantine area).

Do not tow a vehicle involved in an accident on its drive axles.

9. Important additional information

You can find further information on assistance in the event of an accident and recovery of vehicles with high-voltage systems at:
https://www.vda.de/de/themen/automobilindustrie/standards-und-normung/retten-und-bergen

10. Explanation of pictograms used

 Electric Vehicle	 General warning sign	 Warning, Electricity	 Flammable	 Explosive	 Corrosives	 Hazardous to the human health	 Environmental hazard
 Bonnet	 Boot	 Remove smart key	 Use thermal Infrared camera	 Dangerous voltage	 Use water to extinguish the fire		

Section 6~Test Vehicle Description

6.03.01>> Dynamometer Parameters

Vehicle ID	Model Name	Trans	ETW [lbf]	Single Roll Coefficients (target)		
				A [lbf]	B [lbf/mph]	C [lbf/mph2]
ECFE-XAB-26-0	**Macan Electric**	A1	5500	38.64	0.4135	0.02063
ECFE-XAB-26-1	**Macan Electric**	A1	5500	31.88	0.4497	0.01930
ECFE-XAB-26-2	**Macan Electric**	A1	5500	29.72	0.4497	0.01767

Vehicle ID	Model Name	Trans	ETW [lbf]	Single Roll Coefficients (set)		
				A [lbf]	B [lbf/mph]	C [lbf/mph2]
ECFE-XAB-26-0	**Macan Electric**	A1	5500	1.33	0.2614	0.02003
ECFE-XAB-26-1	**Macan Electric**	A1	5500	-5.73	0.3063	0.01854
ECFE-XAB-26-2	**Macan Electric**	A1	5500	-9.70	0.3079	0.01696

Note: Porsche's RLHP measurement and calculation methods are available upon request.

Note: blank cells or tables are intentionally blank.

Section 6~Test Vehicle Description

6.04>> Evaporative Parameters

These are Battery-Electric Vehicles. There is no combustion engine, no fuel-fired heater, and no fuel cell, and therefore no evaporative emissions control system.

Section 7~Test Results

7.01>> Exhaust / Evaporative Standards

Exhaust Emissions Standards:	Federal:	**Tier 3 Bin Zero**	California:	**ZEV**
Evaporative Standards:	Federal:	**N/A**	California:	**N/A**

Certification Tests:

Energy / Range Data:

Model / Type	MCT (Multi-Cycle Test)
Macan Electric FEDV1	TPRX10092402
Macan Electric FEDV2	TPRX10092406
Macan Electric FEDV3	TPRX10092428

Section 7~Test Results

Model Year: 2026

7.02>> GHG and Testing Compliance

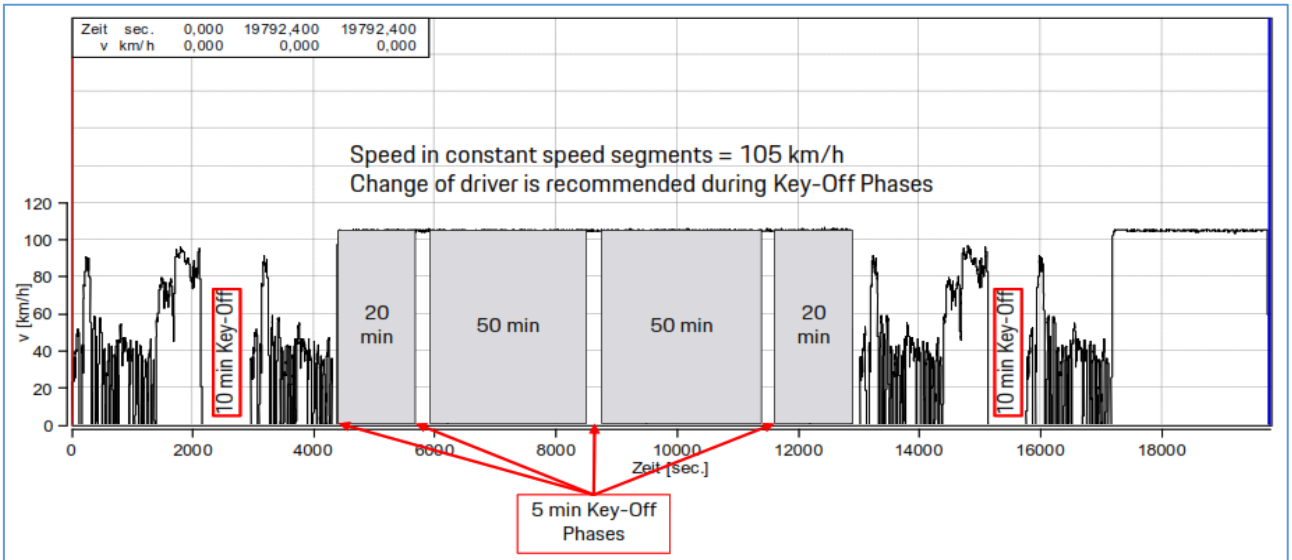
GHG in-use standards: Please refer to the VW Group's final GHG Report for this Model Year.

Start-Stop: Models in this test group are all BEVs; Auto Start-Stop does not apply.

N_2O and CH_4: Models in this test group are all BEVs.

Test cycles: Porsche chose the Multi-Cycle Test (MCT), following SAE J1634, 2017 version with certain steps excluded. This means that the constant-speed portions were run at 105 kph (65 mph).

For the California highway portion, Porsche used the "Highway All-Electric Range Test for Battery Electric Vehicles" per California Code of Regulations (CCR) title 13, section 1962.2 (F) 3.2.1.



SAE J1634: "...The CSC may be broken into distinct sub-phases of at least 5 min (unless the test termination criteria are met before this time) and no longer than 60 minutes. A 5-30 min key-off soak must be performed between each CSC sub-phase."

Section 7-Test Results

7.03>> CSI Report

The Certification Summary Information (CSI) report begins on the following page.

Certification Summary Information Report

Manufacturer	Porsche AG	**Manufacturer Code**	PRX
Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--
Certificate Number	--	**CARB Executive Order #**	--
Certificate Issue Date	--	**Certificate Revision Date**	--
Certificate Effective Date	--	**Conditional Certificate**	--
CSI Revision #	--	**CSI Submission/Revision Date**	02/17/2026 09:37:40 AM
Model Year	2026		

Test Group Information

CSI Type	Update for Correction	**Running Change Reference Number**	--
GHG Exempt Status	Not Exempt		

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

Fuel	Basic Fuel Metering System	Lean Burn Strategy Indicator
Electricity	--	--

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Rechargeable Energy Storage System Indicator**	Yes
Multiple Fuel Combustion	--	**Off-board Charge Capable Indicator**	Yes
Fuel Cell Indicator	No	**EPA Vehicle Class**	LDV
Federal Clean Fuel Vehicle	Yes	**Federal Clean Fuel Vehicle Standard**	ZEV
Federal Clean Fuel Vehicle ILEV	No	**California Partial Zero Emissions Vehicle Indicator**	--
Durability Group Name	TPRXEEVNNEMS	**Durability Group Equivalency Factor**	1.0
Reduced Fee Test Group	No	**Certification Region Code(s)**	FA, CA
Complies with HD GHG 2b/3 regulations?	No		
Introduction into Commerce Date	11/17/2025	**CAP2000 Conditional Certificate?**	N/A
Independent Commercial Importer?	--	**Alternative Fuel Converter Certificate?**	--
SFTP Federal Composite Compliance Identifier	Not Applicable	**SFTP Tier 2 Composite CO Option**	No
SFTP LEV-III Composite Compliance Indicator	No		
OBD Compliance Type	CARB	**OBD Demonstration Vehicle Test Group**	TPRXV0.00EMS
Test Group OBD Compliance Level	Full - no deficiencies	**Number of Test Group OBD Deficiencies**	0
OBD Deficiencies Comments	--		
Mfr Test Group Comments	Macan Electric and Macan Electric with 20in Wheels; Rear-Wheel-Drive Battery Electric Only.		
Mfr Exhaust / Evap Standards Comments	--		

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Models Covered by this Certificate

Carline Manufacturer	Division	Carline	Certification Region Code(s)	Drive System	Trans - Type	- # of Gears	Trans - Lockup
Porsche AG	1 - Porsche	305 - Macan Electric 20in Wheels	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	1	No
Porsche AG	1 - Porsche	305 - Macan Electric 20in Wheels	Federal	2-Wheel Drive, Rear	Automatic	1	No
Porsche AG	1 - Porsche	302 - Macan Electric	Federal	2-Wheel Drive, Rear	Automatic	1	No
Porsche AG	1 - Porsche	302 - Macan Electric	California + CAA Section 177 states	2-Wheel Drive, Rear	Automatic	1	No

Engine Description

Hybrid Type	--	**Hybrid Description**	--
Engine Type	--	**Mfr Engine Description**	--
Engine Block Arrangement	--	**Mfr Engine Block Arrangement Description**	--
Camless Valvetrain Indicator	--	**Oil Viscosity/Classification**	
Number of Cylinders/Rotors	--	**Mechanically Variable Compression Ratio Indicator**	--

After Treatment Device(s) (ATD)

Mfr After Treatment Device (ATD) Comments	--
Direct Ozone Reduction (DOR) Device	--
Mfr Emission Control Device Comments	--

Official Test Numbers

Test Group Fuel	FTP	US06	SC03	Cold CO	Highway	EPA City Litmus Value	EPA City Litmus Threshold	EPA Highway Litmus Value	EPA Highway Litmus Threshold	CREE Weighting Factor
Electricity	--	--	--	--	--	--	--	--	--	--

SFTP LEV-III Official Test Numbers

Test Group Fuel	FTP	US06	SC03
Electricity	--	--	--

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Hybrid Electric Vehicle And Fuel Cell Information

Rechargable Energy Storage System	Battery(s)	**Rechargable Energy Storage System, if Other**	--
Battery Type	Lithium Ion	**Number of Battery Packs**	1
Total Voltage of Battery Packs	765	**Battery Energy Capacity**	151
Battery Specific Energy	173	**Battery Charger Type**	Off-Board
Number of Capacitors	--	**Capacitor Rating (In Farads)**	--
Mfr Capacitor Comments	--		
Hydraulic System Description	--		
Regenerative Braking Type	Electrical Regen Brake		
Regenerative Braking Source	Both	**Driver Controlled Regenerative Braking**	No
Mfr Regenerative Braking Description	--		
Drive Motor(s)/Generator(s)	1		
Motor/Generator Type 1	AC, Perm Magnet, Synchronous	**Rated Motor/Generator Power**	250
Mfr Fuel Cell Description	--		
Fuel Cell On-Board H2 Storage Capacity (kg)	--	**Usable H2 Fill Capacity (kg)**	--
Mfr Hybrid Electric/ Electric Vehicle Comments	Macan Electric configuration: Front Axle: N/A, Rear Axle: 250KW		

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XAB-26 / 0	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXV00.0EMS	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan Electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0038
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	ECE	**Rated Horsepower**	335
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5137	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6195	**N/V Ratio**	111.7
Axle Ratio	9.8		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	38.64	0.4135	0.02063	1.33	0.2614	0.02003	14.8

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan Electric; Porsche Internal Name SEP222, FEDV1.

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test #	**TPRX10092402**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/02/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	2446	**Odometer Units**	K
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	105.961
Charge Depleting Range (Calculated miles)	445.754	**Charge Depleting Range (Actual miles)**	445.754
Charge Depleting Range Highway (Calculated miles)	370.389	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	445.754
Number of Charge Depleting Bags/Phases Conducted	8	**Transition Bag/Phase Number**	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.445
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.25
Drive Trace Energy Economy Rating	-1.5
Drive Trace Inertia Work Ratio Rating	-1.38
Integrated DC KW-HRS	1.7921
Manufacturer Fuel Economy	24.071

Charge Depleting Bag/Phase #2

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.251
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.04
Drive Trace Energy Economy Rating	0.13
Drive Trace Inertia Work Ratio Rating	4.84
Integrated DC KW-HRS	2.6896
Manufacturer Fuel Economy	26.237

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.447
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.22
Drive Trace Energy Economy Rating	-1.51
Drive Trace Inertia Work Ratio Rating	-1.35
Integrated DC KW-HRS	1.6334
Manufacturer Fuel Economy	21.934

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	225.519
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	22.69
Drive Trace Energy Economy Rating	0.14
Drive Trace Inertia Work Ratio Rating	45.68
Integrated DC KW-HRS	72.8073
Manufacturer Fuel Economy	32.284

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.448
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.39
Drive Trace Energy Economy Rating	-1.36
Drive Trace Inertia Work Ratio Rating	-1.58
Integrated DC KW-HRS	1.5568
Manufacturer Fuel Economy	20.902

Charge Depleting Bag/Phase #6

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.2
Drive Trace Energy Economy Rating	-0.06
Drive Trace Inertia Work Ratio Rating	5.07
Integrated DC KW-HRS	2.5781
Manufacturer Fuel Economy	25.147

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.448
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.21
Drive Trace Energy Economy Rating	-1.58
Drive Trace Inertia Work Ratio Rating	-1.3
Integrated DC KW-HRS	1.568
Manufacturer Fuel Economy	21.053

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	31.979
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	6.75
Drive Trace Energy Economy Rating	-0.34
Drive Trace Inertia Work Ratio Rating	13.56
Integrated DC KW-HRS	10.5363
Manufacturer Fuel Economy	32.948

Manufacturer Test Comments MACAN ELECTRIC FEDV1. Internal Test Number: 25029764

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XAB-26 / 1	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXV00.0EMS	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan Electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0038
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	ECE	**Rated Horsepower**	335
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5137	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6195	**N/V Ratio**	111.7
Axle Ratio	9.8		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	31.88	0.4497	0.0193	-5.73	0.3063	0.01854	13.7

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan Electric; Porsche Internal Name SEP222, FEDV2.

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test #	**TPRX10092406**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/12/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3155	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	105.9032
Charge Depleting Range (Calculated miles)	475.855	**Charge Depleting Range (Actual miles)**	475.855
Charge Depleting Range Highway (Calculated miles)	400.606	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	475.855
Number of Charge Depleting Bags/Phases Conducted	8	**Transition Bag/Phase Number**	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.444
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.08
Drive Trace Energy Economy Rating	-1.16
Drive Trace Inertia Work Ratio Rating	-1.08
Integrated DC KW-HRS	1.7521
Manufacturer Fuel Economy	23.537

Charge Depleting Bag/Phase #2

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.251
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.14
Drive Trace Energy Economy Rating	-0.06
Drive Trace Inertia Work Ratio Rating	5.07
Integrated DC KW-HRS	2.5074
Manufacturer Fuel Economy	24.46

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.445
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.09
Drive Trace Energy Economy Rating	-1.14
Drive Trace Inertia Work Ratio Rating	-1.11
Integrated DC KW-HRS	1.5481
Manufacturer Fuel Economy	20.794

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	242.961
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	23.51
Drive Trace Energy Economy Rating	0.17
Drive Trace Inertia Work Ratio Rating	47.34
Integrated DC KW-HRS	73.1866
Manufacturer Fuel Economy	30.123

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.448
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.32
Drive Trace Energy Economy Rating	-1.43
Drive Trace Inertia Work Ratio Rating	-1.42
Integrated DC KW-HRS	1.4494
Manufacturer Fuel Economy	19.46

Charge Depleting Bag/Phase #6

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.251
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.09
Drive Trace Energy Economy Rating	-0.04
Drive Trace Inertia Work Ratio Rating	4.96
Integrated DC KW-HRS	2.3671
Manufacturer Fuel Economy	23.091

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.447
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.1
Drive Trace Energy Economy Rating	-1.24
Drive Trace Inertia Work Ratio Rating	-1.13
Integrated DC KW-HRS	1.4593
Manufacturer Fuel Economy	19.596

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	35.821
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	7.03
Drive Trace Energy Economy Rating	-0.25
Drive Trace Inertia Work Ratio Rating	14.13
Integrated DC KW-HRS	10.9769
Manufacturer Fuel Economy	30.644

Manufacturer Test Comments MACAN ELECTRIC FEDV2. Internal Test Number: 25030417

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Emission Data Vehicle Information

Vehicle ID / Configuration	ECFE-XAB-26 / 2	**Manufacturer Vehicle Configuration Number**	0
Original Test Group Name	TPRXV00.0EMS	**Original Evaporative/Refueling Family**	--
Original Test Vehicle Model Year	2026		

Vehicle Model

Represented Test Vehicle Make	Porsche	**Represented Test Vehicle Model**	Macan Electric

Leak Family Details

Leak Family Identifier	--	**Leak Family Name**	--

Drive Sources and Fuel System Details

Drive Source and Fuel#	Drive Source	Fuel
1	Electric Motor	Electricity

Hybrid Indicator	No		
Multiple Fuel Storage	--	**Multiple Fuel Combustion**	--
Fuel Cell Indicator	No	**Rechargeable Energy Storage System Indicator**	Yes
Rechargeable Energy Storage System	Battery(s)	**Rechargeable Energy Storage System, if 'Other'**	--
Off-board charge Capable Indicator	Yes		
Odometer Correction -- Initial	0	**Odometer Correction Factor**	1.0038
Odometer Correction Sign	+ = System Miles is equal to (Test odometer reading * Correction factor) + Initial system miles		
Odometer Correction Units	Miles		
Engine Code	ECE	**Rated Horsepower**	335
Displacement (liters)	0.001		
Air Aspiration Method	Naturally Aspirated	**Air Aspiration Method, if 'Other'**	
Number of Air Aspiration Devices	--	**Air Aspiration Device Configuration**	--
Charge Air Cooler Type	N/A	**Drive Mode While Testing**	2-Wheel Drive, Rear
Shift Indicator Light Usage	Not eqipped	**Aged Emission Components**	4,000 (mi)
Curb Weight (lbs)	5121	**Equivalent Test Weight (pounds)**	5500
GVWR (lbs)	6195	**N/V Ratio**	111.7
Axle Ratio	9.8		
Transmission Type	Automatic	**# of Transmission Gears**	1
Transmission Lockup	No	**Creeper Gear**	No

Dynamometer Coefficients:

	Target Coefficients			Set Coefficients			
Coefficient Category	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**A (lbf)**	**B (lbf/mph)**	**C (lbf/mph**2)**	**EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients**
City/Highway/Evap	29.72	0.4497	0.01767	-9.7	0.3079	0.01695	12.9

Emission Control Device Comments BEV

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Manufacturer Test Vehicle Comments Macan Electric; Porsche Internal Name SEP222, FEDV3.

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test #	**TPRX10092428**	**Test Procedure**	**77 - Multi-Cycle Test (MCT)**
Exhaust Test # for this Evap Test	--	**Test Fuel Type**	62 - Electricity
Test Date	09/16/2025	**Fuel**	N/A
Fuel Batch ID	--	**Fuel Calibration Number**	--
Vehicle Class	N/A	**DF Type**	Mfr. Determined
Verify Test Lab ID	Porsche AG, Labs and Engineering		
E10 Evaporative Test Measurement Method	--		
Test Start Odometer Reading	3493	**Odometer Units**	M
4WD Test Dyno	Yes	**Diesel Adjustment Factor Usage**	--
State of Charge Delta	Yes		
Drive Cycle Speed Tolerance Criteria	Used Part 1066 (+/- 2.0 mph, +/- 1.0 sec)	**Road Speed Fan Usage**	Yes

PHEV/EV Charge Depleting Test Information

Recharge Event Voltage	240	**Recharge Event Energy (kiloWatt-hours)**	105.7426
Charge Depleting Range (Calculated miles)	509.859	**Charge Depleting Range (Actual miles)**	509.859
Charge Depleting Range Highway (Calculated miles)	429.999	**Derived 5-Cycle Coefficient Model Year**	--
All Electric Range Unadjusted (miles)	--	**Equivalent All Electric Range (miles)**	509.859
Number of Charge Depleting Bags/Phases Conducted	8	**Transition Bag/Phase Number**	--

Charge Depleting Bag/Phase #1

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.445
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.14
Drive Trace Energy Economy Rating	-1.32
Drive Trace Inertia Work Ratio Rating	-1.16
Integrated DC KW-HRS	1.6272
Manufacturer Fuel Economy	21.856

Charge Depleting Bag/Phase #2

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.25
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.28
Drive Trace Energy Economy Rating	-0.02
Drive Trace Inertia Work Ratio Rating	5.19
Integrated DC KW-HRS	2.3319
Manufacturer Fuel Economy	22.75

Charge Depleting Bag/Phase #3

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.447
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.17
Drive Trace Energy Economy Rating	-1.35
Drive Trace Inertia Work Ratio Rating	-1.21
Integrated DC KW-HRS	1.4413
Manufacturer Fuel Economy	19.354

Charge Depleting Bag/Phase #4

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	262.902
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	32.08
Drive Trace Energy Economy Rating	-0.05
Drive Trace Inertia Work Ratio Rating	64.6
Integrated DC KW-HRS	73.5661
Manufacturer Fuel Economy	27.982

Charge Depleting Bag/Phase #5

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.45
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.32
Drive Trace Energy Economy Rating	-1.47
Drive Trace Inertia Work Ratio Rating	-1.39
Integrated DC KW-HRS	1.3485
Manufacturer Fuel Economy	18.101

Charge Depleting Bag/Phase #6

Certification Summary Information Report

Test Group	TPRXV00.0EMS	Evaporative/Refueling Family	--

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	10.252
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	4.33
Drive Trace Energy Economy Rating	-0.08
Drive Trace Inertia Work Ratio Rating	5.29
Integrated DC KW-HRS	2.2079
Manufacturer Fuel Economy	21.536

Charge Depleting Bag/Phase #7

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	7.45
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	-1.19
Drive Trace Energy Economy Rating	-1.41
Drive Trace Inertia Work Ratio Rating	-1.26
Integrated DC KW-HRS	1.3711
Manufacturer Fuel Economy	18.404

Charge Depleting Bag/Phase #8

Test Result/Emission Name	Unrounded Test Result
Actual Distance Driven (miles)	39.847
Carbon-Related Exhaust Emissions	0
Drive Trace Absolute Speed Change Rating	5.93
Drive Trace Energy Economy Rating	-0.23
Drive Trace Inertia Work Ratio Rating	11.91
Integrated DC KW-HRS	11.3218
Manufacturer Fuel Economy	28.413

Manufacturer Test Comments MACAN ELECTRIC FEDV3. Internal Test Number: 25034181

Fuel Properties

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Consolidated List of Standards

Exhaust Standards

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	California ZEV
Fuel	Electricity	**Test Procedure**	Charge Depleting UDDS

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 0
Fuel	Electricity	**Test Procedure**	Federal fuel 2-day exhaust (w/can load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 0
Fuel	Electricity	**Test Procedure**	Charge Depleting Highway

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--
Cert Region	Federal	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	Federal Tier 3 Bin 0
Fuel	Electricity	**Test Procedure**	Charge Depleting UDDS

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	California ZEV
Fuel	Electricity	**Test Procedure**	Charge Depleting Highway

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
120,000 miles	CREE	--	--	--	--	--	1	--	0.0
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Cert Region	California + CAA Section 177 states	**Cert/In-Use Code**	Cert
Vehicle Class	LDT4 (ALVW > 5750, LVW 0-3750, GVW > 6000)	**Standard Level**	California ZEV
Fuel	Electricity	**Test Procedure**	Federal fuel 2-day exhaust (w/can load)

Useful Life	Emission Name	Rounded Result	RAF	NMOG / NMHC	Upward Diesel Adjustment Factor	Downward Diesel Adjustment Factor	Mult DF	Add DF	Std
150,000 miles	CO	--	--	--	--	--	1	--	0.0

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--

Glossary

Useful Life

4	4,000 miles	120	120,000 miles
50	50,000 miles	150	150,000 miles
100	100,000 miles		

Emission Name

HC-TOTAL	Total Hydrocarbon	AS-VOLT	Average System Voltage
CO	Carbon Monoxide	CO2 BAG 1	Bag 1 Carbon Dioxide
CO2	Carbon dioxide	CO2 BAG 2	Bag 2 Carbon Dioxide
CREE	Carbon-Related Exhaust Emissions	CO2 BAG 3	Bag 3 Carbon Dioxide
OPT-CREE	Optional Carbon-Related Exhaust Emissions	CO2 BAG 4	Bag 4 Carbon Dioxide
NOX	Nitrogen Oxide	NMOG+NOX	Non-methane organic gases plus Nitrogen Oxides
PM	Particulate Matter	NMOG+NOX-COMP	SFTP Composite Non-methane Organic Gases + Nitrogen Oxides
PM-COMP	SFTP Composite Particulate Matter	DT-IWRR	Drive Trace Inertia Work Ratio Rating
HC-NM	Non-methane Hydrocarbon	DT-ASCR	Drive Trace Absolute Speed Change Rating
OMHCE	Organic material Hydrocarbon Equivalent	DT-EER	Drive Trace Energy Economy Rating
OMNMHCE	Organic material non-methane HC equivalent	COMB-CREE	Combined Carbon-Related Exhaust Emissions
NMOG	Non-methane organic gases	COMB-OPT-CREE	Combined Optional Carbon-Related Exhaust Emissions
HCHO	Formaldehyde	HC-TOTAL-EQUIV	Total Hydrocarbon equivalent - Evap only
H3C2HO	Acetaldehyde	METHANE-COMB	Combined CH4 for HD 2b/3 vehicles only
HC-NM+NOX	SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03	N2O-COMB	Combined Nitrous Oxide for HD 2b/3 vehicles only
HC-NM+NOX-COMP	SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides	LEAK-DIA	Effective Leak Diameter (inches)
CO-COMP	SFTP Composite Carbon Monoxide	LEAK-GAS CAP	Gas Cap Leakage (cc/min)
ETHANOL	C2H5OH - Ethanol	CO2-COMB	Combined Carbon Dioxide for HD 2b/3 Vehicles Only
FE BAG 1	Bag 1 Fuel Economy	KW-HRS	Integrated DC KW-HRS
FE BAG 2	Bag 2 Fuel Economy	CH4 BAG 1	Bag 1 Methane
FE BAG 3	Bag 3 Fuel Economy	CH4 BAG 2	Bag 2 Methane
FE BAG 4	Bag 4 Fuel Economy	CH4 BAG 3	Bag 3 Methane
MFR FE	Manufacturer Fuel Economy	CH4 BAG 4	Bag 4 Methane
HC	Hydrocarbon for Running Loss and ORVR	CO BAG 1	Bag 1 Carbon Monoxide
METHANE	CH4 - Methane	CO BAG 2	Bag 2 Carbon Monoxide
METHANOL	CH3OH - Methanol	CO BAG 3	Bag 3 Carbon Monoxide
N2O	Nitrous Oxide	CO BAG 4	Bag 4 Carbon Monoxide
SPITBACK	Spitback Hydrocarbon in grams	NMOG BAG 1	Bag 1 Non-methane organic gases
AMP-HRS	Integrated Amp-hours	NMOG BAG 2	Bag 2 Non-methane organic gases
START-SOC	System Start State of Charge Watt-hours	NMOG BAG 3	Bag 3 Non-methane organic gases
END-SOC	System End State of Charge Watt-hours	NMOG BAG 4	Bag 4 Non-methane organic gases
ACT-DISTANCE	Actual Distance Driven (miles)		

Certification Region

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--
CA	California + CAA Section 177 states	FA	Federal
Exhaust Emission Standard Level			
B1	Federal Tier 2 Bin 1	T3B160	Federal Tier 3 Bin 160
B2	Federal Tier 2 Bin 2	T3B125	Federal Tier 3 Bin 125
B3	Federal Tier 2 Bin 3	T3B110	Federal Tier 3 Transitional Bin 110
B4	Federal Tier 2 Bin 4	T3B85	Federal Tier 3 Transitional Bin 85
B5	Federal Tier 2 Bin 5	T3SULEV30	Federal Tier 3 Transitional LEV-II SULEV30 Carryover
B6	Federal Tier 2 Bin 6	T3B70	Federal Tier 3 Bin 70
B7	Federal Tier 2 Bin 7	T3B50	Federal Tier 3 Bin 50
B8	Federal Tier 2 Bin 8	T3B30	Federal Tier 3 Bin 30
B9	Federal Tier 2 Bin 9	T3B20	Federal Tier 3 Bin 20
B10	Federal Tier 2 Bin 10	T3B0	Federal Tier 3 Bin 0
B11	Federal Tier 2 Bin 11	HDV2B395	Federal Tier 3 HD Class 2b Transitional Bin 395
HDV1	HDV1 (Federal HD chassis Class 2b GVW 8501-10000)	HDV2B340	Federal Tier 3 HD Class 2b Transitional Bin 340
HDV2	HDV2 (Federal HD chassis Class 3 GVW 10001-14000)	HDV2B250	Federal Tier 3 HD Class 2b Bin 250
L2	California LEV-II LEV	HDV2B200	Federal Tier 3 HD Class 2b Bin 200
L2OP	California LEV-II LEV Optional	HDV2B170	Federal Tier 3 HD Class 2b Bin 170
U2	California LEV-II ULEV	HDV2B150	Federal Tier 3 HD Class 2b Bin 150
S2	California LEV-II SULEV	HDV2B0	Federal Tier 3 HD Class 2b Bin 0
ZEV	California ZEV	HDV3B630	Federal Tier 3 HD Class 3 Transitional Bin 630
OT	Other	HDV3B570	Federal Tier 3 HD Class 3 Transitional Bin 570
T1	Federal Tier 1	HDV3B400	Federal Tier 3 HD Class 3 Bin 400
PZEV	California PZEV	HDV3B270	Federal Tier 3 HD Class 3 Bin 270
L2LEV160	California LEV-II LEV160	HDV3B230	Federal Tier 3 HD Class 3 Bin 230
L2ULEV125	California LEV-II ULEV125	HDV3B200	Federal Tier 3 HD Class 3 Bin 200
L2SULEV30	California LEV-II SULEV30	HDV3B0	Federal Tier 3 HD Class 3 Bin 0
L2LEV395	California LEV-II LEV395	L4SULEV100	California LEV-IV SULEV100
L2ULEV340	California LEV-II ULEV340	L4SULEV125	California LEV-IV SULEV125
L2LEV630	California LEV-II LEV630	L4SULEV15	California LEV-IV SULEV15
L2ULEV570	California LEV-II ULEV570	L4SULEV150	California LEV-IV SULEV150
L3LEV160	California LEV-III LEV160	L4SULEV170	California LEV-IV SULEV170
L3ULEV125	California LEV-III ULEV125	L4SULEV175	California LEV-IV SULEV175
L3ULEV70	California LEV-III ULEV70	L4SULEV20	California LEV-IV SULEV20
L3ULEV50	California LEV-III ULEV50	L4SULEV200	California LEV-IV SULEV200
L3SULEV30	California LEV-III SULEV30	L4SULEV230	California LEV-IV SULEV230
L3SULEV20	California LEV-III SULEV20	L4SULEV25	California LEV-IV SULEV25
L3LEV395	California LEV-III LEV395	L4SULEV30	California LEV-IV SULEV30
L3ULEV340	California LEV-III ULEV340	L4SULEV75	California LEV-IV SULEV75
L3ULEV250	California LEV-III ULEV250	L4SULEV85	California LEV-IV SULEV85
L3ULEV200	California LEV-III ULEV200	L4ULEV125	California LEV-IV ULEV125

Certification Summary Information Report

Test Group	TPRXV00.0EMS	**Evaporative/Refueling Family**	--
L3SULEV170	California LEV-III SULEV170	L4ULEV200	California LEV-IV ULEV200
L3SULEV150	California LEV-III SULEV150	L4ULEV250	California LEV-IV ULEV250
L3LEV630	California LEV-III LEV630	L4ULEV270	California LEV-IV ULEV270
L3ULEV570	California LEV-III ULEV570	L4ULEV40	California LEV-IV ULEV40
L3ULEV400	California LEV-III ULEV400	L4ULEV400	California LEV-IV ULEV400
L3ULEV270	California LEV-III ULEV270	L4ULEV50	California LEV-IV ULEV50
L3SULEV230	California LEV-III SULEV230	L4ULEV60	California LEV-IV ULEV60
L3SULEV200	California LEV-III SULEV200	L4ULEV70	California LEV-IV ULEV70

Transmission Type Code			
AMS	Automated Manual- Selectable (e.g. Automated Manual with paddles)	M	Manual
A	Automatic	OT	Other
AM	Automated Manual	SA	Semi-Automatic
CVT	Continuously Variable	SCV	Selectable Continuously Variable (e.g. CVT with paddles)

Drive System Code			
4	4-Wheel Drive	P	Part-time 4-Wheel Drive
F	2-Wheel Drive, Front	A	All Wheel Drive
R	2-Wheel Drive, Rear		

Additional Terms and Acronyms			
AFC	Alternative Fuel Converter	ICI	Independent Commercial Importer
CSI	Certificate Summary Information	ORVR	Onboard Refueling Vapor Recovery
DF	Deterioration Factor	SIL	Shift Indicator Light
Evap	Evaporation, Evaporative	Trans	Transmission

Section 8~Manufacturer Statements

8.01>> Emission Testing Waiver Statements

General Statement	All Porsche Battery-Electric vehicles will conform with the emissions standards for which data is not being provided, as allowed under 40 CFR 86.1829-01.
Electric vehicle emissions	According to 40 CFR 86.1829-15(f), which states that tailpipe emissions of regulated pollutants from vehicles powered solely by electricity are deemed to be zero, and based on relevant engineering evaluations, we state as the manufacturer that all electric vehicles included in this application comply with the requirements given in 40 CFR Part 86.

Section 8~Manufacturer Statements

8.02>> Manufacturer Attestations

GHG Compliance	As part of the Volkswagen Group of America, Porsche is not subject to GHG compliance as an independent entity. GHG compliance is managed at the Group level by VWGoA.
Tier 3 / LEV-IV Fleet Averages and Phase-Ins	As part of the Volkswagen Group of America, Porsche is not subject to these requirements as an independent entity. Tier 3 and LEV-IV compliance is managed at the Group level by VWGoA.
California ASM and Inspection / Maintenance Standards	In accordance with ARB MAC#99-05, Porsche hereby certifies that, based upon its engineering evaluation, vehicles of this test group comply with ASM and I/M standards.
Other	Porsche attests that all vehicles in this test group are battery-electric vehicles, without fuel-fired heaters. See Section 8.01.
Production Vehicle same as Test Vehicle statement	The production vehicles represented by the particular engine families will be in all material respects of the same design as those for which vehicle approval is granted.
California Emissions Warranty Statement	Please refer to the California Emissions Warranty booklets located in Section 16 of the Common Section.

Section 9~OBD Description

9.01>> OBD System Description

Not Applicable. OBD not required for Battery-Electric vehicles.

Section 10~Description of Alternate-Fueled Vehicles

Porsche builds only gasoline (ICE), gasoline-electric hybrid, and battery-electric vehicles.

Section 11~AECD Description

Battery Electric Vehicle: No Auxiliary Emissions Control Devices

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01>> Vehicle Description and Parameters; All Vehicles

Sales Area	50 State
Catalysts	Not Applicable
EGR Type	Not Applicable
Air Pump Type	Not Applicable
Starting Procedure	See Section 6.02
Cooling Fan	
Shift Indicator Light	Not Applicable
EGR Type	Not Applicable
Air Pump Type	Not Applicable
Drive Accuracy Per 1068.425	Yes
Fuel Temperature Profile	Not Applicable
Shift Schedules	Not Applicable

Note: The Battery Energy Capacity listed in the following Vehicle Description Details has been determined in accordance with the U.S. Advanced Battery Consortium's Electric Vehicle Battery Procedure Manual (January 1996), Procedure No. 2, "Constant Current Discharge Test Series," using the C/3 rate. The listed Battery System Weight reflect completely functional battery systems as defined in the Appendix of the Manual, including pack(s), required support ancillaries (e.g., thermal management), and electronic controller. There are also no specific battery-electric vehicle mileage break in procedures.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.01.01>< Vehicle Description Details

Model Name		Macan Electric	Macan Electric	Macan Electric 20in Wheels	
Carline		302	302	305	
Vehicle Classification		PC	PC	PC	
Transmission		A1	A1	A1	
Engine Code		RA: ECE A	RA: ECE A	RA: ECE A	
Number of Drive E-Motors		1	1	1	
Total E-Motor Power (HP)		335	335	335	
E-Motor Power type		AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	AC Permanent Magnet, Synchronous	
Battery Type		Li-Ion	Li-Ion	Li-Ion	
Recharge Voltage (Volts)		110 to 800	110 to 800	110 to 800	
Number of Battery Cells		180	180	180	
Number of Battery Packs (modules)		12	12	12	
Number of Cells per Module		15	15	15	
Battery Energy Capacity (A-h)		151	151	151	
Battery System Voltage Range		450-756	450-756	450-756	
Battery Specific Energy (W-hr/kg)		173	173	173	
Battery System Weight (kg)		578	578	578	
Drive Type		RWD	RWD	RWD	
ETW [Lbf]		5500	5500	5500	
Curb Weight		5137	5137	5121	
Gross Vehicle Weight		6195	6195	6195	
Axle Ratio		9.77	9.77	9.77	
N/V Ratio Fr Axle		N/A	N/A	N/A	
N/V Ratio Rr Axle		111.7	111.7	111.7	
Tire Sizes	Front	255/45 R21	255/45 R21	255/45 R21	
	Rear	295/40 R21	295/40 R21	295/40 R21	
RLHP		14.8	13.7	12.9	
Single Roll Coefficients (target)	A (lbf)	38.65	31.88	29.72	
	B [lbf/mph]	0.4135	0.4497	0.4497	
	C [lbf/mph^2]	0.02064	0.01930	0.01767	

Note: blank cells or tables are intentionally blank.

Section 12~Test Parameters and Description of Vehicles Covered by Certificate

12.02>> Regenerative Braking

Overall description of Porsche regenerative (recuperative) braking system

1) Every deceleration <= 0.3 g is by regenerative braking.
2) Under default settings there is no regenerative braking when both brake and accelerator pedals are released. Porsche refers to this as "coasting".
3) If the driver selects Sport mode, there is regenerative braking instead of coasting when the accelerator pedal is released.
4) Optional regenerative functionality via Sport mode defaults to "Off" at key cycle.
5) Low frequency of friction brake actuation prompted implementation of two additional functions:
6) Function 1 is a "wearing-in" of brakes when new, and following brake service.
7) Function 1 occurs after delivery and brake service for 300 km to 600 km.
8) Function 1 is initially activated by dealership at time of delivery to customer.
9) Function 2 is a "brake refresh" after parking or extended vehicle storage.
10) Function 2 occurs after parking over 6 hours; dissipates 500 kJ of energy (e.g., 52 to 25 mph).

Section 13~Projected Sales

13.01>> Sales / Phase-ins

Confidential. See Section 16 in CBI version.

Section 14~Request for Certification

14.01>> Statement of Compliance

Porsche states that any element of design, system, or emission control device installed on or incorporated in Porsche's new motor vehicles or new motor vehicle engines for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of Porsche's information and belief, cause the emission into the ambient air of pollutants in the operation of its motor vehicles or motor vehicle engines which cause or contribute to an unreasonable risk to public health or welfare except as specifically permitted by the standards prescribed under section 202 of the Clean Air Act. Porsche further states that any element of design, system, or emission control device installed or incorporated in Porsche's new motor vehicles or motor vehicle engines for the purpose of complying with standards prescribed under section 202 of the Clean Air Act, will not, to the best of Porsche's information and belief, cause or contribute to an unreasonable risk to public safety.

The term pollutants means:

a. Diesel particulates
b. Nickel
c. MMT combustion products
d. Ammonia
e. Sulfates
f. Hydrogen sulfide
g. Hydrogen cyanide
h. Ruthenium combustion products
i. Nitrosamines,

or any other pollutant, which Porsche has identified, which can reasonably be expected to be emitted from these vehicles.

All vehicles have been tested in accordance with good engineering practice to ascertain that such test vehicles meet the requirements of this section for the useful life of the vehicle.

The test vehicles with respect to which data are submitted are in all materials respects as described in the application for certification, have been tested in accordance with the applicable test procedures utilizing the fuels and equipment described in the application for certification, they meet the requirements of such tests, and on the basis of such tests, they conform to the requirements of the regulations in 40CFR, Part 86, Subpart A.

Signed and dated by:

October 29, 2025

Michael Scott – Porsche Cars North America, Inc.

Section 15~Other Information

15.01>> Fee Filing Form

Appears on the following page.

US EPA Fee Form

Help and EPA Instructions

* Required Field

General Information

Date: 08/11/2025

Process Code *

Submit New Fee Filing Form

Manufacturer Code *

PRX

Manufacturer Name *

Porsche Cars North America

Contact Name *

Peter Khamphouvong

Contact Email Address *

peter.khamphouvong@porsche.us

Contact Phone *

6787091264

Calendar Year complete application submitted to EPA *

2025

PLEASE NOTE: These fees apply to complete certification applications received by EPA from January 1, 2025, through December 31, 2025. The applicable fee is determined by the

calendar year in which the complete certification application is received, not the model year.

Engine Family / Evaporative Family / Test Group *

TPRXT00.0EMS

Certificate Request Type (Industry Sector Code)

Certificate Request Type *

- (●) On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (Federal) (A, B, D, J, T, V)
- ( ) On-Highway HDE Dyno Cert (Federal) (E, H)
- ( ) On-Highway LD ICI, MDPV ICI, HDV ICI (A, B, D, J, T, V)
- ( ) On-Highway Motorcycle (C)
- ( ) On-Highway HDV Evap (F)
- ( ) On-Highway LDV, LTD, MDVPV, HDV Chassis Cert (California-Only) (A, B, D, J, T, V)
- ( ) On-Highway HDE Dyno Cert (California-Only) (E, H)
- ( ) Nonroad CI (L)
- ( ) Nonroad SI (B, S)
- ( ) Locomotive (G, K)
- ( ) All Nonroad Recreational, excluding Marine engines (X, Y)
- ( ) All Marine (Including IMO) (M, N, W)
- ( ) Component Certification for Evaporative Emissions (P)

IMO Name (Required for dual US/IMO Marine Only)

ICI VIN Number (Required for ICIs Only)

Do you qualify for a Reduced Fee? *

No

Payment Information

Amount Owed

$32,939.00

Payment Type *

Offline ACH

Comments

EPA Form Number 3520-29
OMB Control No. 2060-0545
Approval expires 7/31/2027

The public reporting and recordkeeping burden for this collection of information is estimated to average 12 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed forms to this address.

Khamphouvong, Peter (PCNA-BR2)

From: Stump, Barbara <Stump.Barbara@epa.gov>
Sent: Monday, September 29, 2025 2:43 PM
To: Khamphouvong, Peter (PCNA-BR2)
Subject: EPA MVECP Certification Fees Correction/Revision for TPRXT00.0EMS

Hello,

The fee correction is done. The fee payment has been corrected to TPRXV00.0EMS in EPA's fees system.

Best regards,

Barbara Stump
Business Process Analyst
Contractor to the U.S. EPA
OTAQ, Implementation, Analysis and Compliance Division
stump.barbara@epa.gov

GENERAL DYNAMICS
Information Technology

Section 15~Other Information

15.02>> Revision Index

Sect #:	Date:	Comment:	R/C #:
12	2/17/2026	Model name update to configuration with 12.9 RLHP	R01

Section 16~Confidential Information

None.

END OF DOCUMENT