Bulletin #: 2326

Part ID: 0335

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Protection of Vehicle Diagnosis (PVD)

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne (E3-I)	2023	9YA, 9YB	N/A	N/A
Cayenne (E3-II)	As of 2024	9YA, 9YB	N/A	N/A
Panamera (G2-II)	As of 2023	971	N/A	N/A
911 (992-I)	As of 2023	992	N/A	N/A
Taycan (J1-I)	As of 2023	Y1A, Y1B, Y1C	N/A	N/A

Revision History

Revision	Release Date	Changes	
0	October 16, 2023	Original document	

Service Information

New Diagnosis functions introduced as of Model Year 2023 include "Protection of Vehicle Diagnostics" (PVD). In some places this may be displayed in German language as, "Schutz Fahrzeug Diagnose" (SFD). Porsche Service Centers will find new PIWIS Tester functions, informational messages, and error messages pertaining to PVD when working on the affected vehicles.

Affected vehicle control units (for example, the Gateway control unit or the DME control unit) may also store an active fault code **B184C00**, "Activation activated" as a normal function of PVD. These faults are for informational purposes and typically do not require diagnosis.

1 Overview	\ll	Extended ² identifications		3 Fault memory	Fault memory ³ Actual values ⁴ Dr input signals ch		Maintenance repairs	Coding programming
Control unit			Status	Fault code		Description		
Gateway 3.1 (003)		?	B184C00	Activation act	Activation activated			
DME V6 TFSI (ULEV/C6b)		?	B184C00	Activation act	ivated			

Figure 1



Bulletin #: 2326 Part ID: 0335

0

Technical Background

To perform certain diagnostic functions such as drive links, or to perform certain actions such as coding or programming, relevant user, system, and vehicle information must be exchanged between the vehicle and the backend (server-side) of the PVD system.

The process generally takes place as follows (see Figure 2)

- 1. Function activation request sent by tester to control unit
- 2. Control unit reports back confirmation of request
- 3. Request is sent to PVD backend system
- 4. User permissions are checked then an access token is sent back
- 5. Tester and ECU confirm the control unit is unlocked for 90 minutes



Figure 2

AfterSales	Oct 16, 2 Page 2	2023 2 of 8

PORSCHE

Advanced Technical Information

Bulletin #: 2326 Part ID: 0335

Service Information

*Ensure the diagnostic tester has an active internet and backend connection.

Upon start of diagnostic functions for the affected vehicles, the diagnostic tester will present a message related to PVD and instruct the technician to confirm activation of PVD. This is typically done by opening the front lid of the vehicle (front trunk or front engine compartment) to confirm the technician is at the vehicle and takes responsibility for further actions on the vehicle.

To **activate** control units and allow PVD-secured diagnostic functions:

- 1. Open the Additional Menu [F7]
- 2. Select Protection of vehicle diagnostics
- 3. Activate control units
- 4. Select which control unit(s) need activation of protected functions
- 5. The technician login is verified. It may be necessary to log in to PPN again at this time
- 6. After selection is made and pressing "Next", a 'Protection of vehicle diagnostics' window will open
- 7. Click on each control unit one by one
- 8. Requested control units are now activated to allow protected functions

To **lock** the control units and deactivate PVD-secured diagnostic functions:

- 1. Open the Additional Menu [F7]
- 2. Select Protection of vehicle diagnostics
- 3. Review informational message on the tester
- 4. Select "Locking all control units" and follow tester prompts

Bulletin #: 2326 Part ID: 0335

0

Example: Control unit activation on 2024 Cayenne

To Activate control units:

1. Go to Protection of vehicle diagnostics

	Cayenne	9YBAI1 / 2024					80/	×	
PORSCHE	Model-series-sp Please select a c	Model-series-specific checks and campaigns Please select a check. Continue with [F12], back with [F11].							
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📈 Diagnosis				Function			-1. Test		
	Campaign							~	
	Vehicle data ma	aintenance with PIW	IS-ONLINE				R		
	Read all fault m	ad all fault memories and erase if required							
	Immobilizer con	nmissioning							
	Component prot	tection commissioni	ng						
	Additional functi	ions of component p	rotection						
	Deactivate prod	uction mode							
1 🗟 🌢	Clear OBD fault	memory							
	Rolling test mod	le							
	Protection of vehicle diagnostics								
30/05/2023 10:49 GMT-04 Release 41 900.040 [1.64.6.20123]	Function release	e		1.00				\otimes	

2. Click 'Activate control units'

		Cayenne	9YBAI1 / 2024					÷\$	8
PORSC	-	Entire vehicle \	Protection of vehic	cle diagnostics					
		Select function.	Continue with [F12].	. Back with [F11].					
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30/05/2023 10:4 Release 41.900.040 (1.64.6.23	13 GMT-04	_							
		0						F11 F12	



Bulletin #: 2326

Part ID: 0335

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- 3. Click 'Activate control unit selection' or 'Activate all control units'
- 4. **If** 'Activate control unit selection' is chosen, select which control unit(s) that needs to be activated and click 'Next'
- 5. The technician login is verified. It may be necessary to log in to PPN again at this time
- 6. After selection is made and pressing "Next", a 'Protection of vehicle diagnostics' window should open

	Cayenne 948	3AI1 / 2024					80	×
PORSCHE	Entire vehicle \ Prote	ection of vehicle	e diagnostics					
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	Activate control units	Protection	of vehicle diag	nostics		×	B	\diamond
		Status:						
		Reading out control u	unit information			\$		
		Querying of activation	n data at the backend			8		
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7. Click on each control unit one by one

8. Requested control units are now activated

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🗸 Diagn	osis						Status	Т
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		Connect (High)		3			\$	
		Chassis control, air s	springs (006)				\$	
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US 30/05/202	🜐 US 📑	The SFD access pr	rotection was successfully a	ctivated for all sel	ected control ur	iits.		

Bulletin #: 2326 Part ID: 0335

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To lock the control units:

1. Go to Protection of vehicle diagnostics

27 1 1	Cayenne 9YBA11/2024	8							
PORSCHE	Model-series-specific checks and campaigns								
	Please select a check. Continue with [F12], back with [F11].								
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	Campaign								
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	Read all fault memories and erase if required								
	Immobilizer commissioning								
	Component protection commissioning								
	Additional functions of component protection								
	Deactivate production mode								
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00/05/0000 L 10/0 0/JT 0/	Protection of vehicle clagnostics								
Subseev 41 900 040 [1.61 & 28183]	Function release	\otimes							

2. Information page appears



Bulletin #: 2326 Part ID: 0335

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3. Locking all control units

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		Select function. Continue with [F12]. Back with [F11].	
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		Locking all control units	
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4. After waiting, control units should be successfully locked

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Bulletin #: 2326 Part ID: 0335

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Warranty

No specific repair or diagnostic work is described in this document.

As always, document repairs completely in PCSS as needed.

Search Items

SFD, PVD, Protection of Vehicle Diagnosis, B184C00

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