Bulletin #: 2219.1 Part ID: 9064

### Various Vehicles with 3G VTS – Engine Start Inhibited and Fault Code Present

### Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Panamera	As of 2013 up to 2016	970	N/A	Vehicle Tracking System (VTS)
911	Vehicle Tracking System (VTS)			
718	As of 2017 up to 2019	982	N/A	Vehicle Tracking System (VTS)
918 Spyder	2015	918	N/A	Vehicle Tracking System (VTS)
Cayenne	As of 2013 up to 2018	92A	N/A	Vehicle Tracking System (VTS)
Macan	As of 2014 up to 2019	95B	N/A	Vehicle Tracking System (VTS)

### **Revision History**

Revision	Release Date	Changes
0	July 6, 2022	Original document
1	September 12, 2022	Update of Technical Background & Service Information

### Condition

The customer reports the engine will not start and the customer must seek roadside assistance. The issue is permanent without workshop intervention.

The workshop confirms the customer complaint and notes fault codes in the front and rear BCMs.

Sample fault codes:

Front-end electronics	80530F - VTS, restart inhibit
Rear-end electronics	805108 - VTS, authentication failed

### **Technical Background**

The root cause for this issue is a malfunction of the VTS ECU. Infrequently, a battery draw may also accompany this malfunction, depending on the operating status of the PVTS control unit.



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#### **Service Information**

Please note the following repair steps. The sequence is important.

The goal of this repair is to put the vehicle into a setting where it will ignore the VTS unit. In this setting, the engine immobilizer disregards VTS input. Once the workshop confirms this setting, the technician can remove the faulty VTS unit without replacing it.

Reference *TI Group* 9 180/21 WMM7 - *Replacing VTS Control Unit* for associated work instructions, labor operations, and parts information for all applicable vehicle platforms.

Repair Steps:

- 1. **Confirm the no-start condition occurred and telltale fault codes are present.** Do not perform this repair otherwise.
- 2. **Verify the vehicle is equipped with 3G VTS.** All affected combinations of part number, software version, and hardware version are in the table below. Confirm this information in the PIWIS tester.

Software Version	Hardware Version	Part Number
7.00	16	7PP.035.620.BC
8.10	15	7PP.035.620.BL
8.10	16	7PP.035.620.CE*
8.20	17	7PP.035.620.DT*

• About 95% of cases have these part numbers.



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### 3. **Confirm the VTS subscription is inactive.**

- a. Using the PIWIS tester, select "Rear-end electronics" and click "Next (F12)."
- b. Under Rear-end electronics, select "Porsche Vehicle Tracking System," and unselect everything else.

-	Cayenn	92AAE1/	2016								2 8
PORSCHE	Control unit	overview: search has bee	n completed	I. Select contro	l unit(s) and select	the requi	red functio	n via the r	nenu.		
<b></b>	Overview	Extende	ed 2 cations	Fault memory	3 Actual values input signals	<sup>4</sup> Drive check	links s	<sup>6</sup> Mainten repairs	ance	6 Coding programming	7
A Home	DTC	Status		Con	trol unit		D	SN		Part number	
<u> 시</u> Logging	9		Rear-end	electronics (va	riant: E2_GT5)		020031	9	7PP9	07279CG	~
(A) Disconstinu			Auton	natically dimmi	ng interior mirror				7PP8	57511H	
Q Diagnosics			Slidin	g roof			-		-		
			Roof	console					7PP9	59551GN	
			Alarm	siren					1K09	51605C	
			PANO	RAMA ROOF					7P09	59591D	
	20000	10000	Porso	he Vehicle Tra	cking System (PVT)	S)	-		7PP0	35620BL	
			Sunbl	ind (roof)					7P09	59591E	
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-	Cayenne	92AAE1 / 2	016						80	2 23
PORSCHE	Current actual Switch displays	l values/input s	signals 8]. Swite	ch to actual value	es/input signals sel	lection by pressing	(F11].			
<b>.</b>	Overview	Extended	ions	Fault memory	<sup>3</sup> Actual values input signals	<sup>4</sup> Drive links checks	<sup>5</sup> Maintenance repairs	6 Coding programm	ing	7
🚖 Home	Contr	ol unit			Name		Value		Unit	
네. Logging	Porsche Vehic System (PVTS	PVTS	PVTS operating status: Operating status			Contract inactive			~	
O Diagnostics			PVIS	operating statu	s: Alarm status		no alarm	_		1
			PVTS	operating statu	s: Arming state		unarmed			
			PVTS	operating statu	s: GPS signal		normal			
			PVTS	operating statu	s: GSM - signal		normal			
And the second s			PVTS	operating statu	s: Restart inhibit		Off			
			PVTS keypa	measured value ads taught	es: Number of drive	er cards/remote	no driver card remote keypa	l/no id taught		
Uni US English			PVTS	measured value	es: Status - Termin	al 15	on			
English	2		PVTS	measured value	es: GSM - reception	n	3			
o 🕫 🗔			PVTS	measured value	es: GSM registratio	n status	registered in	roaming		$\sim$
ڻ ا	8	7	init	0	9 4	1 Por	(P) 11		3	

c. Click "Actual values, Input signals."

- d. The value for "PVTS operating status" must be "Contract inactive."
- e. => If the "PVTS operating status" is **not** "Contract inactive," the workshop must request a contract suspension from Vodafone before proceeding. Contact the Vodafone NSP Call Center at **888-992-6098**. Tell them you request a "Porsche 2022 Suspension." This is the keyword for their internal process.
  - => If the "PVTS operating status" is "Contract inactive," proceed with step 4.

Note: If the "PVTS operating status" is "Commissioning", the battery draw is not likely to occur.



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- 4. **Deactivate VTS** using the PIWIS tester.
  - a. Using the "Additional menu," select "PCC/PVTS deactivation". Click "Next."
  - b. The deactivation process begins. When successful, the tester will display a check mark. Click next and the tester provides more instructions and information.

	-	Cayenn	e 92AAE1/2016					8	\$ X
P		PCC/PVTS - PVTS is not a	deactivation ctive. Continue with [F1	12], end with [F11]					
÷		Overview	Extended identifications	2 Fault memory	<sup>3</sup> Actual values input signals	<sup>4</sup> Drive links checks	<sup>6</sup> Maintenance repairs	6 Coding programming	7 3
合 Hor	ne		Control unit		Funct	tion		Status	
Log	ging	Rear-end ele E2_GT5)	ctronics (variant:	Deactivate				ø	$\sim$
😧 Dia	gnostics								
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		•	т	he PVTS control	unit can now be	removed.			
			т	he ignition must	not be switched	off. Continue wi	th [F12] after rem	ioval.	
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and the second	ወ	PCSS	? 💵 in	i er	9 5	at 0		33 Back	SE .

c. Do not switch off the ignition.

5. **Disconnect the VTS ECU** using applicable workshop manual instructions and then secure the now vacant harness connector for VTS. Be sure this connector does not cause a noise concern.



**AfterSales** 

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6. **Reteach the keys.** The tester displays a prompt to reteach vehicle keys. Reteach keys by commissioning the immobilizer

#### 7. **Commission the immobilizer.**

- a. Using the "Additional menu," select "Immobilizer commissioning". Click "Next."
- b. Follow the important notes in the tester.
- c. Follow prompts to logon to PPN and enter all required information.
- d. Follow the procedure given in the tester.
- e. When prompted, you must teach at least one key. Click "Yes" to teach the key(s).
- f. Follow the procedure given in the tester.
- g. When completed successfully, the tester will display two summaries.

Image: Control unit     Extended Identifications <sup>2</sup> Fault memory <sup>3</sup> Actual values <sup>4</sup> Drive triks <sup>6</sup> Maintenance <sup>6</sup> Coding programming       Memory     Control unit     Information     State	7
Home Control unit Information St	ang l
	tatus
Front-end electronics Immobilizer has been taught	< ∧
Rear-end electronics Immobilizer has been taught	\$
DME V6 Hybrid Immobilizer has been taught	\$
Power electronics Immobilizer has been taught	\$
Number of keys taught	1
t <sub>i</sub> ⊡ US English → □ English →	~
	F12 SS Next
Cayenne 92AAE1 / 2016   Immobilizer commissioning   Please see notes. End sequence with (F12).	<b>*</b> * X
robertgo Overview Extended identifications Fault memory Actual values to bring the checks Fault memory identifications Coding programming and the checks Fault memory is a check of the checks Fault memory is a check of the chec	ng 7
Arrest Phase Status	
6 PCSS PPN login 🔗	$\sim$
Determination of vehicle model	
Commissioning of immobilizer	
Management of keys	
Commissioning process is complete	$\sim$
INFORMATION The immobilizer was commissioned successfully.	
US English	
English	



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- 8. The immobilizer is now functioning without input from the VTS. Confirm this by **starting the engine and verifying it runs normally.**
- 9. **Clear fault memory.**
- 10. **Remove VTS from MOVD**. Find the applicable I-option and change the vehicle's configuration not to have VTS as an equipped option. (Hint: Often the I-numbers are 7G9 (with VTS) and 7G0 (without VTS), but other option codes may apply depending on the model type and model year.)
- 11. **Perform automatic coding.**
- 12. Clear fault memory.
- 13. Always perform a final VAL.

#### Warranty Information

Perform this repair using **Warranty, PGAT, or DSA, as applicable**. If you have any questions concerning claim procedures for this specific issue reference the Warranty PPN space.

#### **Search Items**

PVTS, VTS, immobilizer, start inhibit, 3G, 4G

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