

## Porsche V21.81 Diagnostics List (Note: For reference only)

Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
911(996) Turbo	1999-2004	DME	√	√	√	√	√	√	
		Tiptronic	√	√	√	√	√		
		ABS	√	√	√	√	√		
		SRS	√	√	√				
		Air conditioning	√	√	√	√	√		
		Instrument cluster	√	√	√	√	√		
		PARKASSISTANT	√	√	√	√			
		Alarm system	√	√	√		√		
		Roll-over protection	√	√	√	√	√		
		SEAT MEMORY	√	√	√	√	√		
		Convertible top	√	√	√	√	√		
		HBA	√	√	√	√			
Boxster(986)	1996-2003	DME	√	√	√	√	√		
		Tiptronic	√	√	√	√	√		
		ABS	√	√	√	√	√		
		SRS	√	√	√				
		Air conditioning	√	√	√	√	√		
		Instrument cluster	√	√	√	√	√		
		PARKASSISTANT	√	√	√	√			
		Alarm system	√	√	√		√		
		SEAT MEMORY	√	√	√	√	√		
		HBA	√	√	√	√			
		DME	√	√	√	√	√		
		Tiptronic	√	√	√	√	√		
		PSM	√	√	√	√	√		
		Instrument cluster	√	√	√	√	√		Service Reset
		Air conditioning	√	√	√	√	√		
		Gateway	√	√	√	√	√		

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			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
Cayman	2006-2011	VEH.ELECTRICAL.SYS	√	√	√	√	√		
		STEERING COL. SWITCH	√	√	√	√	√		
		POSIP	√	√	√	√	√		
		TPM	√	√	√	√			
		CHRONOMETER	√	√	√	√			
		DRIVER'S DOOR	√	√	√	√	√		
		PASSENGER'S DOOR	√	√	√	√	√		
		PARKASSISTANT	√	√	√	√	√		
		FRONT	√	√	√	√	√		
		PAS	√	√	√	√	√		
		PASM	√	√	√	√	√		
		REAR	√	√	√		√		
		AWS	√	√	√	√	√		
		DME	√	√	√	√	√	System adaption Coding	
		Tiptronic	√	√	√	√		Reset adaption values Coding	
		SRS	√	√	√	√	√		
		PSM	√	√	√	√	√	Calibration System adaption	
		KESSY	√	√	√	√	√	Coding	
		Air conditioning	√	√	√	√	√	Coding Calibration Service Position	
		Gateway	√	√	√	√			
		VEH.ELECTRICAL.SYS	√	√	√	√	√		
		STEERING COL. SWITCH	√	√	√		√		
		WIPER	√	√	√	√	√	Coding	

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			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
Cayenne(9PA up to MY 2010)	2002-2010	Headlight CU left	√	√	√	√		√	Calibration Reset
		Headlight CU right	√	√	√	√			Reset
		PARKASSISTANT	√	√	√	√	√	√	Coding
		LEVEL CONTROL	√	√	√	√	√	√	Coding Calibration Bleed Fill
		SEAT MEMORY,DRIVER	√	√	√	√	√		
		SEAT MEMORY,PASS	√	√	√	√	√		
		Instrument cluster	√	√	√	√	√	√	Service Reset
		Transfer Case	√	√	√	√	√		
		REAR/DOORS	√	√	√			√	
		TPM	√	√	√	√			System adaptation, Write wheel component
		MAG.FIELD SENSOR	√	√	√	√	√		
		AWS	√	√	√	√			Learning sensor, Calibration, Reset
		Tailgate	√	√	√	√			Calibration Coding
		TRANSVERSE LOCK	√	√	√	√			
		PDCC/ORS	√	√	√	√			Coding
		AHK	√	√	√	√		√	Coding
PANORAMA ROOF	√	√	√						
AUXILIARY HEATER	√	√	√	√		√	Coding		

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		LEFT HBA	√	√	√			√	Coding Calibration
		RIGHT HBA	√	√	√			√	Coding Calibration
911(997)	2005-2011	DME	√	√	√	√	√	√	
		Tiptronic	√	√	√	√	√	√	
		PSM	√	√	√	√	√	√	Calibration Steering-angle sensor
		PAS	√	√	√	√	√		
		POSIP	√	√	√	√	√	√	
		AWS	√	√	√	√	√		
		Air conditioning	√	√	√	√	√	√	
		PTM	√	√	√	√	√	√	
		Instrument cluster	√	√	√	√	√	√	Service Reset
		Gateway	√	√	√	√	√		
		VEH.ELECTRICAL.SYS	√	√	√	√	√	√	
		STEERING COL. SWITCH	√	√	√	√	√	√	
		Seat Memory	√	√	√	√	√	√	
		PASM	√	√	√	√	√	√	
		TPM	√	√	√	√			
		Convertible top	√	√	√	√	√	√	
		Targa Roof	√	√	√	√	√	√	
		CHRONOMETER	√	√	√	√		√	
		DRIVER'S DOOR	√	√	√	√	√	√	
		PASSENGER'S DOOR	√	√	√	√	√	√	
PARKASSISTANT	√	√	√	√	√	√			
FRONT	√	√	√	√	√	√			
REAR	√	√	√		√	√			

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
Boxster(987)	2004-2011	DME	√	√	√	√	√	√	
		Tiptronic	√	√	√	√	√	√	
		PSM	√	√	√	√	√	√	
		PAS	√	√	√	√	√		
		POSIP	√	√	√	√	√	√	
		AWS	√	√	√	√	√		
		Air conditioning	√	√	√	√	√	√	
		Instrument cluster	√	√	√	√	√	√	Service Reset
		Gateway	√	√	√	√	√		
		VEH.ELECTRICAL.SYS	√	√	√	√	√	√	
		STEERING COL. SWITCH	√	√	√	√	√	√	
		Seat Memory	√	√	√	√	√	√	
		PASM	√	√	√	√	√	√	
		TPM	√	√	√	√			
		CHRONOMETER	√	√	√	√		√	
		DRIVER'S DOOR	√	√	√	√	√	√	
		PASSENGER'S DOOR	√	√	√	√	√	√	
		PARKASSISTANT	√	√	√	√	√	√	
		Carrera GT	2005-2007	FRONT	√	√	√	√	√
REAR	√			√	√		√	√	
ABS	√			√	√	√			
SRS	√			√	√				
Air conditioning	√			√	√	√			
Instrument cluster	√			√	√	√			
TPM	√			√	√				
		Alarm system	√	√	√				
		ABS	√	√	√	√			
		SRS	√	√	√				

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
GT2(996)		Air conditioning	√	√	√	√			
		Instrument cluster	√	√	√	√			
		HBA	√	√	√	√			
		Alarm system	√	√	√				
GT3(996)		ABS	√	√	√	√			
		SRS	√	√	√				
		Air conditioning	√	√	√	√			
		Instrument cluster	√	√	√	√			
		HBA	√	√	√	√			
	Alarm system	√	√	√					
		Airbag	√	√	√	√		√	Calibrate seat occupancy detection
		Gateway	√	√	√	√		√	Battery change <b>Actual/specified configuration</b>

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		DME	√	√	√	√		√	System adaption Injector programming Adaptation while engine is running Bleed fuel system Exhaust gas recirculation test Reducing-agent system First start Oil filling short test Ready status Adopt bank 1 diesel particulate filter mileage in the DME System test Delete adaptation
		Tiptronic transmission control	√	√	√	√		√	
		High-voltage battery	√	√	√	√		√	High-voltage battery charging
		High-voltage power electronic	√	√	√	√		√	

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
Cayenne(92A from MY 2011)	2011-	Instrument cluster	√	√	√	√		√	Calibrate fuel-level sensor Set total mileage Reset maintenance interval Save fuel level sensor comparison values to rear-end electronic control unit Restoration of the tank sensor calibration values from the rear-end electronic control unit Read warning memory
		Steering wheel electronic	√	√	√	√		√	Calibration Function activation
		Lane Change Assist	√	√	√	√		√	
		Additional compass instrument	√	√	√	√		√	
		Additional instrument:watch	√	√	√	√		√	
		PCM/CDR	√	√	√	√		√	MOST system test MOST system reserve Function activation AM field strength FM field strength Current FM field strength PCM self-test



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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		TV tuner	√	√	√	√		√	
		External amplifier	√	√	√	√		√	
		Air conditioner	√	√	√	√		√	Teach:LIN automatic addressing LIN control motors measurement run
		A/C compressor	√	√	√	√		√	
		Reversing camera	√	√	√	√		√	
		Park Assist	√	√	√	√		√	
		Park brake	√	√	√	√		√	Put hand brake pad to installation position Check basic setting of parking-brake Bedding-in Calibration
		Tire Pressure Monitoring(TPM)	√	√	√	√		√	
		Level control/PASM	√	√	√	√		√	
		PDCC	√	√	√	√		√	Pressure sensor calibration Valve actuation
		Electric power steering	√	√	√	√		√	
		PSM	√	√	√	√		√	Bleed the brakes PSM sensor calibration Hydraulic swap test Rolling test mode Pump test

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			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Front-end electronics	√	√	√	√		√	Headlight beam adjustment calibration Steering column adaptation Kessy function analysis
		Rear-end electronics	√	√	√	√		√	Standardisation of sliding roof/panorama roof
		Left headlight	√	√	√	√		√	Calibration Synchronized tests
		Right headlight	√	√	√	√		√	Calibration
		Driver-side seat memory	√	√	√	√		√	Normalise seat
		Passenger-side seat memory	√	√	√	√		√	Normalise seat
		Driver's door	√	√	√	√		√	motors
		Passenger's door	√	√	√	√		√	
		Rear left door	√	√	√	√		√	
		Rear right door	√	√	√	√		√	
		Adaptive cruise control(ACC)	√	√	√	√		√	
		All-wheel drive	√	√	√	√		√	Transfer-box oil service
		Rear differential lock						√	
		Rear lid	√	√	√	√		√	Calibration
		Trailer hitch						√	
		Auxiliary heating						√	
		Front camera	√	√	√	√		√	
		Airbag	√	√	√	√		√	

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Gateway	√	√	√	√		√	Battery change Actual/specified configuration
		DME	√	√	√	√		√	Adaptations Delete adaptation data Short tests Read permanent fault memory First start Ready status Oil filling Clutch actuator and separating clutch Tank leakage diagnostics System tests E-machine calibration Adopt diesel particulate filter mileage bank 1 in the DME
		Tiptronic transmission control	√	√	√	√		√	Read permanent fault memory
		Selector lever	√	√	√	√		√	

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		High-voltage battery	√	√	√	√		√	High-voltage battery charging
		High-voltage power electronic	√	√	√	√		√	
		Instrument cluster	√	√	√	√		√	Calibrate fuel-level sensor Set total mileage Reset maintenance interval Save fuel level sensor comparison values to rear-end electronic control unit Restoration of the tank sensor calibration values from the rear-end electronic control unit <b>Display warning-event memory and clear if necessary</b>
		Steering wheel electronic	√	√	√	√		√	Calibration Function activation
		Lane Change Assist	√	√	√	√			
		Additional instrument - clock	√	√	√	√		√	

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
Panamera(970)	2009-	PCM/CDR	√	√	√	√		√	MOST system test MOST system reserve Function enable FM field strength AM field strength Current FM field strength Multimedia interface test Self-test
		Air conditioner	√	√	√	√		√	Teach-in: LIN automatic addressing LIN control motors measurement run
		A/C compressor	√	√	√	√		√	
		TV tuner	√	√	√	√		√	
		External amplifier	√	√	√	√		√	
		Reversing camera	√	√	√	√		√	
		Park Assist	√	√	√	√		√	
		Park brake	√	√	√	√		√	Check basic setting of parking-brake Bedding-in Calibration
Tire Pressure Monitoring(TPM)	√	√	√	√		√	System adaption Teach wheel IDs		

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Level control/PASM	√	√	√	√		√	Height sensor system component test Height sensor system calibration Replacement of an air spring <b>Replacement of several components or replacement of the pressure accumulator</b>
		PDCC	√	√	√	√		√	Pressure sensor calibration <b>Valve actuation</b>
		Electric power steering	√	√	√	√		√	
		PSM	√	√	√			√	Bleed the brakes Calibration of combination sensor <b>Hydraulic swap test</b> <b>Speed sensor test</b> <b>Static test</b> <b>Rolling test mode</b>

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Front-end electronics	√	√	√	√		√	HBA calibration Headlight commissioning Steering column adaptation Kessy function analysis Display central locking history Display Servotronic emergency operation counter
		Rear-end electronics	√	√	√	√		√	Display history memory for anti-theft alarm system Sliding-roof standardisation
		Left headlight	√	√	√	√		√	
		Right headlight	√	√	√	√		√	
		Driver-side seat memory	√	√	√	√		√	Normalise seat
		Passenger-side seat memory	√	√	√	√		√	Normalise seat motors
		Driver's door	√	√	√	√		√	
		Passenger's door	√	√	√	√		√	
		Rear left door	√	√	√	√		√	
		Rear right door	√	√	√	√		√	
		Adaptive cruise control	√	√	√	√		√	
		Rear lid	√	√	√	√		√	
		Trailer hitch	√	√	√	√			

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Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Auxiliary heating	√	√	√	√			
		Front camera	√	√	√	√		√	
		Rear differential lock	√	√	√	√			
Boxster(981)	2012-	Airbag	√	√	√	√		√	
		Gateway	√	√	√	√		√	Battery change
		DME	√	√	√	√		√	Adaptations
		Tiptronic transmission control	√	√	√	√		√	Oil filling
		Selector lever	√	√	√	√		√	
		Instrument cluster	√	√	√	√		√	Set total mileage Reset maintenance interval
		Steering wheel electronic	√	√	√	√		√	Calibration Function activation
		Additional instrument : clock	√	√	√	√		√	
		PCM/CDR	√	√	√	√		√	
		TV tuner	√	√	√	√		√	
		External amplifier	√	√	√	√		√	
		Air conditioner	√	√	√	√		√	
		Park Assist	√	√	√	√		√	
		Park brake	√	√	√	√		√	Calibration Check basic setting of parking-brake.
		Tire Pressure Monitoring(TPM)	√	√	√	√		√	
		PASM	√	√	√	√		√	Calibration
Power steering	√	√	√	√		√			
PSM	√	√	√	√		√	Bleed the brakes		



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			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Front-end electronics	√	√	√	√		√	Activation of key retaining solenoid Wiping angle adaptation Analysis of Kessy functions
		Rear-end electronics	√	√	√	√		√	
		Left headlight	√	√	√	√		√	
		Right headlight	√	√	√	√		√	
		Driver-side seat memory	√	√	√	√		√	Normalise seat motors
		Passenger-side seat memory	√	√	√	√		√	Normalise seat motors
		Driver's door	√	√	√	√		√	
		Passenger's door	√	√	√	√		√	
		Convertible top	√	√	√	√		√	
		Adaptive cruise control (ACC)	√	√	√	√		√	
		Front camera	√	√	√	√		√	
		Reversing camera	√	√	√	√		√	
		Airbag	√	√	√	√		√	Occupant detection, replacement/commission
		Gateway	√	√	√	√		√	Battery charge Actual/specified
		DME	√	√	√	√		√	Adaptations Short tests System tests Ready status Delete adaptation data First start Oil filling

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			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
911(991)	2012-	Tiptronic transmission control	√	√	√	√		√	Oil filling
		Selector lever	√	√	√	√		√	
		Instrument cluster	√	√	√	√		√	Set total mileage Reset maintenance interval
		Steering wheel electronic	√	√	√	√		√	Calibration Function activation Steering-angle sensor calibration
		Additional instrument : clock	√	√	√	√		√	
		PCM/CDR	√	√	√	√		√	Function enable Multimedia interface test
		TV tuner	√	√	√	√		√	
		External amplifier	√	√	√	√		√	
		Air conditioner	√	√	√	√		√	Compressor run-in Servo motor teaching
		Park Assist	√	√	√	√		√	
		Park brake	√	√	√	√		√	Calibration Check basic setting of parking-brake.
		Tire Pressure Monitoring(TPM)	√	√	√	√		√	
		PASM	√	√	√	√		√	Calibration Drive link test: damper valves

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			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Power steering	√	√	√	√		√	
		PSM	√	√	√	√		√	Bleed the brakes Speed sensor test Rolling test mode Sensor cluster compensation Static test
		Front-end electronics	√	√	√	√		√	Activation of key retaining solenoid Wiping angle adaptation Analysis of Kessy functions
		Rear-end electronics	√	√	√	√		√	Sliding/lifting roof standardization
		Left headlight	√	√	√	√		√	
		Right headlight	√	√	√	√		√	
		Driver-side seat memory	√	√	√	√		√	Normalise seat motors
		Passenger-side seat memory	√	√	√	√		√	Normalise seat motors
		Driver's door	√	√	√	√		√	
		Passenger's door	√	√	√	√		√	
		Convertible top	√	√	√	√		√	
		Rear left door	√	√	√	√		√	
		Rear right door	√	√	√	√		√	
		PDCC	√	√	√	√		√	Pressure sensor calibration Valve actuation

## Porsche **V21.81** Diagnostics List (Note:For reference only)

Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Adaptive cruise control(ACC)	√	√	√	√		√	
		Porsche Traction Management(PTM)	√	√	√	√		√	Front-axle final drive replacement
		Front camera	√	√	√	√		√	
		Reversing camera	√	√	√	√		√	
		Rear-axle steering, left	√	√	√	√		√	
		Rear-axle steering, right	√	√	√	√		√	
		Front-axle lift	√	√	√	√		√	
		Airbag	√	√	√	√		√	Calibrate occupant detection
		Gateway	√	√	√	√		√	Actual/specified configuration Battery replacement
		DME	√	√	√	√		√	Short tests Adaptations System tests First start Delete adaptation data Ready status
		Reducing agent system	√	√	√	√		√	
		Tiptronic transmission control	√	√	√	√		√	Calibrate

## Porsche **V21.81** Diagnostics List (Note: For reference only)

Vehicle	MY	System	Function						Special Function
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	
Macan	2014-	Instrument cluster	√	√	√	√		√	Set total mileage Reset maintenance interval Tank calibration Reset maintenance interval Warning-event memory
		Steering wheel electronic	√	√	√	√		√	
		Lane Change Assist (LCA)	√	√	√	√		√	
		Additional compass instrument	√	√	√	√		√	
		Additional instrument : watch	√	√	√	√		√	
		PCM/CDR	√	√	√	√		√	MOST system test FM field strength Function activation Current FM field strength AM field strength
		TV tuner	√	√	√	√		√	
		External amplifier	√	√	√	√		√	
		Air conditioner	√	√	√	√		√	Teach:LIN automatic addressing LIN control motors measurement run
		Front camera	√	√	√	√		√	
		Reversing camera	√	√	√	√		√	
		Park Assist	√	√	√	√		√	
		Park brake	√	√	√	√		√	Assembly position
		Tire Pressure Monitoring System	√	√	√	√		√	Teach wheel IDs

## Porsche V21.81 Diagnostics List (Note: For reference only)

Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Level control/PASM	√	√	√	√		√	
		Power steering	√	√	√	√		√	Function activation Calibrate Steering-angle sensor calibration
		PSM	√	√	√	√		√	Bleed the brakes PSM sensor calibration Rolling test mode Hydraulic swap test Dump test
		Front-end electronics	√	√	√	√		√	Headlight beam adjustment calibration Steering column adjustment normalising run Analysis of Kessy functions
		Rear-end electronics	√	√	√	√		√	Standardisation of sliding roof/panorama roof
		Headlight (central)	√	√	√	√		√	Headlight beam adjustment calibration Synchronized tests
		Driver-side seat memory	√	√	√	√		√	Normalise seat motors
		Passenger-side seat memory	√	√	√	√		√	Normalise seat motors
		Driver's door	√	√	√	√		√	
		Passenger's door	√	√	√	√		√	
		Rear left door	√	√	√	√		√	

## Porsche **V21.81** Diagnostics List (Note:For reference only)

Vehicle	MY	System	Function						
			System information	Read DTC	Clear DTC	Data stream	Input signals	Drive links checks	Special Function
		Rear right door	√	√	√	√		√	
		Adaptive cruise control (ACC)	√	√	√	√		√	
		Rear lid	√	√	√	√		√	Calibration rear lid
		All-wheel drive	√	√	√	√		√	Transfer-box oil service
		Rear differential lock	√	√	√	√			
		Trailer hitch	√	√	√	√		√	
		Auxiliary water heater	√	√	√	√			
		Sound symposer	√	√	√	√			

(\*):Tested;

(?):Manual on website([www.x431.com](http://www.x431.com))

Note:The final interpretation of the products belongs to LAUNCH TECH CO.,LTD.