

**Information on Y-Measuring Cables and Possible Locations (71/25)**

Model Line: **All model lines**



**Information**

The Y-measuring cables described can generally be used on all Porsche vehicles even if this Technical Information is not available for every specific vehicle in PCSS.

Model Year: **As of 2017**

Concerns: **Y-measuring cables (Y-measuring adapters)**

Information: **Y-measuring cables are now available for vehicle diagnosis via Porsche AG (PAG).**

The use of Y-measuring cables is recommended to facilitate meaningful and reliable measurements. The measurement cables allow measurements in the active circuit, i.e. in the current-loaded state, which depicts realistic operating conditions.

This allows sensor signals and actuator activation to be detected in real-time operation using an oscilloscope or measuring device. By using these test leads, we are getting more accurate results because of the low contact resistance. Using conventional multimeter leads might cause bad readings due to high contact resistances. This significantly improves the quality and accuracy of the measurements.

The Y-measuring cables are connected between the wiring harness-side plug and the component and have branches for connecting measuring devices.

In some cases, the measuring cables are designed with individual lines, which makes it much easier to connect a current-measuring amp clamp and thus facilitates a combined measurement of voltage and current measurement with the oscilloscope.



**WARNING**

**High voltage on rod ignition modules, fuel injectors and other live parts**

- **Severe burns or death**
- **Electric shock upon contact with live parts**
- **Health risks for persons with life-assisting systems**
- ⇒ **Only start the engine if the rod ignition modules, fuel injectors and other live parts are completely installed and connected.**
- ⇒ **Only perform work on the rod ignition modules, fuel injectors and other live parts when the ignition is switched off.**
- ⇒ **Only install measuring cables when the ignition is switched off.**

Tools: (As of  
January 2026)

Tool	Name	MRT / Opt
VAS 5256	Adapter, measuring technology / DSO, 2-pin	MRT
VAS 5256 / 1	Adapter, measuring technology / DSO, 2-pin	Not Available through PAG
VAS 5257	Adapter, measuring technology / DSO, 3-pin	MRT
VAS 5258A	Adapter for measuring equipment / DSO, 4-pin	Optional
VAS 5259	Adapter, measuring technology / DSO, 2-pin	Optional
VAS 5260A	Adapter for measuring equipment / DSO	MRT
VAS 5570	Adapter, measuring technology / DSO, 3-pin	Optional
VAS 5571	Adapter, measuring equipment / DSO, 2+3-pin	MRT
VAS 5577	Adapter, measuring technology / DSO, 4-pin	Optional
VAS 5578	Adapter for measuring equipment / DSO	Optional
VAS 5579	Adapter for measuring equipment / DSO, 8-pin	Optional
VAS 5583	Adapter for measuring equipment / DSO	Optional

### Overview of known measuring points

Overview:

Location	Model line	Engine variant/location (if relevant)	Plug-in contact part number	Suitable measuring cable
Front axle and rear axle damper valve	Macan (95B)	-	8K0973702	<b>VAS 5256</b> - Adapter, measuring equipment/DSO, 2-pin
Rear axle damper valve	911 (992)	-	8K0973702D	

Rear axle air spring valve	Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	8K0973702D	
CAN air suspension compressor	Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	8K0973702D	
Front axle damper valve	Taycan (Y1A/Y1B/Y1C)	-	8K0973702E	
12-volt air suspension compressor	Macan (95B)	-	1J0973752	
12-volt air suspension compressor	Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	3B0973752A	
Rear axle damper valve	Cayenne (9YA/9YB)	-	9Y0973752B	
Front axle damper valve	Cayenne (9YA/9YB)	-	9Y0973752E 9Y0973752D	
Front axle level sensor	911 (992) Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	8K0973703	<b>VAS 5257 - Adapter, measuring equipment/DSO, 3-pin</b>
Air suspension compressor valves	Macan (95B)	-	8K0973703	
Rear axle level sensor	911 (992) Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	8K0973703G	

Air suspension compressor valves	Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	4D0971993	<b>VAS 5570</b> - Adapter, measuring equipment/DSO, 3-pin
Wheel acceleration sensor	Panamera (971) Taycan (Y1A/Y1B/Y1C)	-	971973752	<b>VAS 5571 - Adapter</b>
Front axle air spring valve on air spring	Taycan (Y1A/Y1B/Y1C)	-	971973752	
Body acceleration sensor	911 (992) Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	4H0973323	
Air suspension valve block	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	-	4H0973715	<b>VAS 5583 - Adapter for measurement and test equipment</b>
Air suspension valve block	Taycan (Y1A/Y1B/Y1C)	-	4H0973715A	
Rear axle valve block	911 (992)	-	4H0973715A	
Wheel speed sensor	911 (992) Panamera (971) Cayenne (9YA/9YB) Taycan (Y1A/Y1B/Y1C)	-	6E0973702	<b>VAS 5256/1</b> - Adapter, measuring equipment/DSO, 2-pin
Front axle air spring valve, wheel housing connection point	Panamera (971) Taycan (Y1A/Y1B/Y1C)	-	4H0973712	<b>VAS 5258A</b> - Adapter for measuring equipment/DSO, 4-pin

Power steering control unit	911 (992) Taycan (Y1A/Y1B/Y1C)	-	4H0973713	<b>VAS 5260A</b> - Adapter for measuring equipment/DSO
Rear axle steering control unit	911 (992) Cayenne (9YA/9YB)	-	4H0973713A	
Power steering control unit	Macan (95B)	-	4H0973713H	
Engine mount	911 (992)	-	4H0973713K	
Engine mount	718 (982)	-	4H0973713B	
Valve lift adjustment	911 (992)	3.0 liter	1040049732	<b>VAS 5260A</b> - Adapter for measuring equipment/DSO
Parking lock solenoid	Taycan (Y1A/Y1B/Y1C)		8K0973702A	<b>VAS 5256</b> - Adapter, measuring equipment/DSO, 2-pin
Knock sensor	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	8K0973702D	
Knock sensor	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	8K0973702D	
Wastegate vacuum valve	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	8P0973722	
Vacuum solenoid valve, water pump	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	8P0973722	
Boost pressure control valve	Panamera (971)	6-cylinder V-engine	8P0973722	

Fuel low-pressure sensor	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	8K0973703	<b>VAS 5257</b> - Adapter, measuring equipment/DSO, 3-pin
Air-conditioning compressor	911 (992)	3.0 liter	8K0973703G	
Fuel low-pressure sensor	911 (992)	3.0 liter	8K0973703G	
Oil level sensor	Macan (95B) Panamera (971)	4-cylinder in-line engine  6-cylinder V-engine	8K0973703G	
Fuel low-pressure sensor	Panamera (971)	6-cylinder V-engine	8K0973703	
Fuel low-pressure sensor	Panamera (971)	6-cylinder V-engine	8K0973703G	
Oxygen sensor downstream of catalytic converter	Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973704D	<b>VAS 5258A</b> - Adapter for measuring equipment/DSO, 4-pin
Fuel high-pressure pump	911 (992)	3.0 liter	4D0971992A	<b>VAS 5259</b> - Adapter, measuring equipment/DSO, 2-pin
Fuel high-pressure pump	Macan (95B)	4-cylinder in-line engine	4D0971992A	
Oxygen sensor upstream of catalytic converter, bank 2	Cayenne (9YA/9YB)	8-cylinder V-engine	4H0973713H	<b>VAS 5260A</b> - Adapter for measuring equipment/DSO
Oxygen sensor upstream of catalytic converter, bank 1	Macan (95B) Cayenne (9YA/9YB)	4-cylinder in-line engine  8-cylinder V-engine	4H0973713G	
Wastegate adjuster	Macan (95B)	4-cylinder in-line engine	4H0973713B	
Throttle	Macan (95B)	4-cylinder in-line engine	4H0973713G	

Cooling water circulation pump	Taycan (Y1A/Y1B/Y1C)	-	4D0971993	<b>VAS 5570 - Adapter, measuring equipment/DSO, 3-pin</b>
Vacuum solenoid valve	911 (992)	3.0 liter	805120581	<b>VAS 5571 - Adapter</b>
Thermostat	911 (992)	3.0 liter	4F0973702	
Tank vent	911 (992)	3.0 liter	4F0973702	
Fuel high-pressure sensor	911 (992)	3.0 liter	4K0973703A	
Camshaft sensor	911 (992)	3.0 liter	4K0973703A	
Intake manifold pressure sensor	911 (992)	3.0 liter	4K0973703A	
Injector	911 (992)	3.0 liter	982973702	
Injector	718 (982)	4.0 liter	982973702	
Camshaft sensor	718 (982)	4.0 liter	982973702	
Thermostat	718 (982)	4.0 liter	982973702	
Oil pressure control valve	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4F0973702	
Tank vent	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4F0973702A	
Thermostat	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4F0973702A	
Intake air temperature sensor	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4F0973703	
Cooling water circulation pump	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4F0973703	
Intake manifold pressure sensor	Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4F0973703	

Coolant temperature sensor	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4F0973703
Speed sensor	Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine 8-cylinder V-engine	4F0973703A
Differential pressure sensor	Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4H0973703
Camshaft controller	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973702A 4K0973702B
Injector	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973702B
Fuel high-pressure pump	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973702B
Valve lift adjustment element	Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine 8-cylinder V-engine	4K0973703A
Fuel high-pressure sensor	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973703A
Intake manifold pressure sensor	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973703A
Fuel low-pressure sensor	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973703A
Oil level sensor	Panamera (971) Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973703A
Injector	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4F0973702

Tank vent	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4F0973702
Thermostat	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4F0973702
Oil pressure control valve	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4F0973702
Wastegate valve	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4F0973702A
Fuel high-pressure pump	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4K0973702D
Camshaft controller	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4N0973702A
Fuel high-pressure sensor	Macan (95B) Panamera (971) Cayenne (9YA/9YB)	6-cylinder V-engine	4K1973703A
Oil pressure control valve	Macan (95B)	4-cylinder in-line engine	4F0973702
Knock sensor	Macan (95B)	4-cylinder in-line engine	4F0973702
Wastegate valve	Macan (95B)	4-cylinder in-line engine	4F0973702A
Vacuum solenoid valve	Macan (95B)	4-cylinder in-line engine	4F0973702F
Oil pressure switch	Macan (95B)	4-cylinder in-line engine	4F0973702F
Injector	Macan (95B)	4-cylinder in-line engine	4K0973702A

Camshaft controller	Macan (95B)	4-cylinder in-line engine	4K0973702A
Valve lift switchover actuator	Macan (95B)	4-cylinder in-line engine	4K0973702B
Camshaft sensor	Macan (95B)	4-cylinder in-line engine	4F0973703
Engine speed sensor	Macan (95B)	4-cylinder in-line engine	4F0973703A
Temperature sensor	Taycan (Y1A/Y1B/Y1C)	-	4F0973702
Transmission oil temperature sensor	Taycan (Y1A/Y1B/Y1C)	Rear axle	4H0973713A
Transmission speed sensor	Taycan (Y1A/Y1B/Y1C)	Rear axle	4F0973702F
Boost pressure sensor	Panamera (971)	6-cylinder V-engine	4F0973703
Boost pressure sensor	Panamera (971)	6-cylinder V-engine	4K0973702B
Wastegate valve	Panamera (971)	6-cylinder V-engine	4F0973702A
Tank vent	Panamera (971)	V6 BT	4F0973702
Tank vent	Panamera (971)	6-cylinder V-engine	80A973702B
Tank ventilation pressure sensor	Panamera (971)	6-cylinder V-engine	4F0973703
Differential pressure sensor	Panamera (971)	6-cylinder V-engine	4F0973703
Boost pressure sensor	Panamera (971)	6-cylinder V-engine	4F0973703
Camshaft controller	Panamera (971)	6-cylinder V-engine	4N0973702A
Camshaft controller	Panamera (971)	6-cylinder V-engine	80A973702A
Camshaft controller	Panamera (971)	6-cylinder V-engine	80A973702B

Camshaft controller	Panamera (971)	6-cylinder V-engine	4K0973702B	
Valve lift adjustment	Panamera (971)	6-cylinder V-engine	80A973703A	
Valve lift adjustment	Panamera (971)	6-cylinder V-engine	4K0973703A	
Injector	Panamera (971)	6-cylinder V-engine	4K0973702B	
Injector	Panamera (971)	6-cylinder V-engine	80A973702B	
High-pressure pump flow control valve	Panamera (971)	6-cylinder V-engine	80A973702D	
Temperature sensor for engine cover	Panamera (971)	6-cylinder V-engine	4F0973702	
Fuel high-pressure sensor	Panamera (971)	6-cylinder V-engine	4K1973703A	
Camshaft sensor	Cayenne (9YA/9YB)	8-cylinder V-engine	4K0973704A	<b>VAS 5577 - Adapter, measuring equipment/DSO, 4-pin</b>
Boost pressure sensor	Macan (95B)	4-cylinder in-line engine	4F0973704	
Wastegate adjuster	911 (992)	3.0 liter	4H0973705	<b>VAS 5578 - Adapter for measuring equipment/DSO</b>
Wastegate adjuster	Cayenne (9YA/9YB)	8-cylinder V-engine	4F0973705	
Actuator for controlling engine temperature	Macan (95B)	4-cylinder in-line engine	4F0973705	
Cooling water valves, mixing and switching valve	Taycan (Y1A/Y1B/Y1C)	-	4F0973705	
Injector wiring harness	Macan (95B)	4-cylinder in-line engine	4H0973714B	<b>VAS 5579 - Adapter for measuring equipment/DSO, 8-pin</b>

If connector is needed, please check TKR for availability

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