



## PRESS INFORMATION

### **New TECHART Powerkits for the Porsche Macan and the Porsche Cayenne.**

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#### **New TECHART Powerkits for the Porsche Macan and the Porsche Cayenne.**

TECHART gives the Porsche Macan and the Porsche Cayenne models yet more power. The distinct increase of power is activated by pressing the SPORT button. The TECHART Powerkits are suitable for daily use, come with an EC type approval and are backed by an extensive warranty. TECHART Powerkits merge impressive power boosts and peace of mind.

#### **480 hp accelerate the Macan Turbo from 0 to 100 km/h in 4.4 s.**

The new TECHART TA B95/T1 Powerkit for the Macan Turbo provides a power gain of 80 additional hp and 100 additional Nm of torque. The total power rises up to 480 hp and 650 Nm (series: 400 hp/550 Nm). Responsible for this power gain is the reliable TECHART TECHTRONIC engine management that is integrated in the vehicle's CAN data bus system. After installation the Macan Turbo accelerates from 0 to 100 km/h in only 4.4 s (series: 4.6 s). The top track speed goes up to 274 km/h (series: 266 km/h). The TA B95/T1 Powerkit is available at the price of EUR 3,900.00 plus VAT and installation.

#### **720 hp provide a top track speed of 311 km/h in the Cayenne Turbo S.**

For the Cayenne Turbo S, TECHART has developed a new, extensive Powerkit. Besides the TECHART TECHTRONIC the Powerkit TA 058/T2.1 contains TECHART Turbochargers, exhaust manifolds, oil- and water lines and sport air filters, specially developed for this Powerkit. With this modifications, the Cayenne Turbo S provides 720 hp (series: 570 hp) and the torque raises up to 920 Nm (series: 800 Nm). The TECHART-modified Cayenne Turbo S enables stunning 311 km/h top track speed (series: 284 km/h). The TA 058/T2.1 Powerkit is available at the price of EUR 24,500.00 plus VAT and installation.

In the following you find an overview regarding the TECHART Powerkits for the Porsche Macan and Porsche Cayenne models. Here: <https://www.youtube.com/watch?v=IGtrXCINy98> you find a clip of the Macan Turbo with TECHART Powerkit and TECHART Exhaust System "Sport".



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#### TECHART Powerkits for the Porsche Cayenne models:

TECHART Powerkit	TA 058/D1	TA 058/SD1	TA 058/S1	TA 058/S1.1
Available for	Cayenne Diesel 3.0l/262 hp/580 Nm	Cayenne S Diesel 4.2l/385 hp/850 Nm	Cayenne S 3.6l/420 hp/550 Nm	Cayenne GTS 3.6l/440 hp/600 Nm
Power Enhancement	+ 21 kW/+ 28 hp	+ 26 kW/+ 35 hp	+ 59 kW/+ 80 hp	+ 59 kW/+ 80 hp
Torque Increase	+ 40 Nm	+ 100 Nm	+ 100 Nm	+ 100 Nm
Total Power output	214 kW (290 hp) /660 Nm	309 kW (420 hp) /950 Nm	368 kW (500 hp) /650 Nm	383 kW (520 hp) /700 Nm
Consisting of	TECHTRONIC	TECHTRONIC	TECHTRONIC	TECHTRONIC
0-100 km/h (Sport Plus)	7.0 s (series 7.2 s)	5.2 s (series 5.3 s)	5.0 s (series 5.4 s)	4.7 s (series 5.1 s)
0-160 km/h (Sport Plus)	18.8 s (series 19.3 s)	12.1 s (series 12.7 s)	11.7 s (series 12.7 s)	10.5 s (series 11.5 s)
Top track speed	233 km/h (series 221 km/h)	256 km/h (series 252 km/h)	276 km/h (series 259 km/h)	279 km/h (series 262 km/h)
TECHART Powerkit	TA 058/T1	TA 058/T2	TA 058/T2.1	
Available for	Cayenne Turbo 4.8l/520 hp/750 Nm	Cayenne Turbo 4.8l/520 hp/750 Nm	Cayenne Turbo S 4.8l/570 hp/800 Nm	
Power Enhancement	+ 59 kW/+ 80 hp	+ 132 kW/+ 180 hp	+ 110 kW/+ 150 hp	
Torque Increase	+ 90 Nm	+ 170 Nm	+ 120 Nm	
Total Power output	441 kW (600 hp) /840 Nm	514 kW (700 hp) /920 Nm	529 kW (720 hp) /920 Nm	
Consisting of	TECHTRONIC	TECHART Turbochargers and exhaust manifolds, oil- and water lines, sport air filter, TECHTRONIC, wiring harness		
0-100 km/h (Sport Plus)	3.9 s (series 4.4 s)	3.9 s (series 4.4 s)	3.8 s (series 4.1 s)	
0-160 km/h (Sport Plus)	9.2 s (series 10.0 s)	9.1 s (series 10.0 s)	8.9 s (series 9.3 s)	
Top track speed	290 km/h (series 279 km/h)	308 km/h (series 279 km/h)	311 km/h (series 284 km/h)	



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#### TECHART Powerkits for the Porsche Macan models:

TECHART Powerkit	TA B 95/SD1	TA B95/S1	TA B95/T1	TA B95/X
Available for	Macan S Diesel 3.0l/258 hp/580 Nm	Macan S 3.0l/340 hp/460 Nm	Macan Turbo 3.6l/400 hp/550 Nm	Macan/Macan GTS on Request
Power Enhancement	+ 35 kW/+ 42 hp	+ 37 kW/+ 50 hp	+ 59 kW/+ 80 hp	
Torque Increase	+ 90 Nm	+ 60 Nm	+ 100 Nm	
Total Power output	225 kW (300 hp) /670 Nm	287 kW (390 hp) /520 Nm	353 kW (480 hp) /650 Nm	
Consisting of	TECHTRONIC	TECHTRONIC	TECHTRONIC	
0-100 km/h (Sport Plus)	5.7 s (series 6.1 s)	4.9 s (series 5.2 s)	4.4 s (series 4.6 s)	
0-160 km/h (Sport Plus)	15.7 s (series 16.5 s)	12.3 s (series 13.0 s)	10.5 s (series 10.9 s)	
Top track speed	237 km/h (series 230 km/h)	261 km/h (series 254 km/h)	274 km/h (series 266 km/h)	

#### A closer look. TECHART Powerkit Development.

##### TECHART TECHTRONIC: Software

TECHART develops individual multidimensional engine maps for every model. This engine maps react dynamically on the relevant parameters such as engine speed, gas pedal position and various engine temperatures. This ensures an intelligent balance of power increase and engine protection in every situation. The results of this first development step then have to undergo severe examination in both, dynamometer tests and on-road/on-track verification.

##### TECHART TECHTRONIC: Integration

The operation of TECHTRONIC powerkits is intuitive. To activate the permanent power boost, the driver simply switches from NORMAL to SPORT or SPORT PLUS mode by using the standard Sport Button



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at the center console or the standard Mode Selector at the steering wheel. While in NORMAL mode, the TECHART TECHTRONIC is inactive and the vehicle is operating with its standard power and its standard driving characteristics.

TECHART TECHTRONIC is integrated in the vehicle's CAN data bus system. Unlike conventional electronic aftermarket power-upgrade devices, TECHTRONIC evaluates not only boost pressure and manifold air pressure, but all measured and monitored data required for a precise, dynamic and quick responding management of engine and drivetrain. Last but not least, TECHART TECHTRONIC does not affect the vehicle diagnostics or the standard electronic engine protection features.

#### **TECHART TECHTRONIC: Results**

*"The power output of a genuine TECHART powerkit is reliable, durable and repeatable. We do not announce generalized power promises in percentage statements. During the development of the individual engine map, we can predict the maximum power output which will still maintain long-term operation without overstressing engine and drivetrain. This procedure and a power increase rating in absolute numbers is a basic requirement for a EC type approval."* says Moritz Renner, automotive mechatronics engineer at the TECHART development and testing department.

The range of TECHART powerkits offers a wide variety for nearly every Porsche model. Such as the 60 hp / 80 Nm increase for the 911 Carrera S, the 100 hp / 130 Nm enhancement for the Panamera Turbo or even the 180 hp / 170 Nm boost for the Cayenne Turbo, which includes TECHART components in addition to the TECHTRONIC such as high performance TECHART turbo chargers.

#### **TECHART TECHTRONIC: Approval**

The EC type approval is mandatory for an easy registration of the powerkit in the vehicle documents. TECHART powerkits are certified in the development process with emission reports conformable to European regulations VO (EG) Nr. 715/2007\*692/2008 after the specific engine map is developed. This emission report includes different measuring cycles such as the Type 1 cycle and even the Type 6 cycle for Swiss homologation.

#### **TECHART TECHTRONIC: Installation**

The TECHART TECHTRONIC module can be installed quickly by one of the international TECHART distributors or any qualified workshop or service center. Before the installation, the car is inspected and a PIWIS-II vehicle analysis report is made. This documents that the engine is in flawless condition.



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#### **TECHART TECHTRONIC: Warranty**

The high TECHART quality standards are backed by an extensive TECHART TECHTRONIC warranty which covers relevant vehicle parts including engine and drivetrain. According to the TECHTRONIC warranty terms, customers are secured by up to EUR 75,000.00 in the event of damage.

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#### **TECHART Automobildesign. The Brand and the Company.**

TECHART Automobildesign GmbH, with its headquarters in Leonberg near Stuttgart, sets global standards in terms of premium refinement for Porsche cars. Founded in 1987, TECHART has been living this passion for over 25 years under the leadership of the two managing directors Thomas Behringer and Matthias Krauß. The consistent implementation of own ideas and developments, the company became an internationally renowned brand with over 75 headquarter-based employees and sales partners in over 30 countries. TECHART's product range consists of proprietary developments and designs, offering refinement options for any Porsche model and every section of the vehicle: aerodynamic improvement and exterior styling, technical optimizations such as engine powerkits, exhaust systems, wheels, suspensions or assistance systems, as well as bespoke interior personalization, manufactured by TECHART's inhouse saddlery and upholstery shop. Approved as an internationally registered vehicle manufacturer, TECHART is the premium brand for the refinement of Porsche cars worldwide.

#### **Contact**

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