



PRESS INFORMATION

TECHART Power Boost for the Porsche Cayenne Turbo

Leonberg-Hoefingen, September 22nd, 2015

TECHART engine enhancements have always been renowned for their well-balanced combination of high performance and endurance. The new powerkit for the Porsche Cayenne Turbo merges both disciplines perfectly. The total power output of 700 horsepower and the maximum torque of 920 Newtonmeters (679 lb.-ft.) adds a remarkable power boost pushing the top speed beyond the 300 km/h line. The powerkit TA058/T2 is the forerunner of another TECHART premiere: the new TECHART Magnum range will be unveiled in late 2015 and the powerkit is one of the key options of the program.

Teamplay: TECHART's well-established TECHTRONIC interacts with the series engine management and TECHART's proprietary engine components

The TECHART TECHTRONIC engine management is reliable when it comes to intelligent activation of additional power resources. The system ensures optimum performance at all speeds and provides a well-balanced torque curve. At the same time it is a warrantor of long life and stability, by ensuring the maintenance of all motor protection functions. For years, TECHTRONIC is therefore the heart of TECHART's quality powerkits manufactured in Hoefingen.

In new engine enhancement kit TA058/T2, the TECHTRONIC works together with the standard engine control unit of the Cayenne Turbo and coordinates the interaction of the engine and the new TECHART components. This includes TECHART high performance exhaust manifolds and highly efficient TECHART turbochargers with ball bearing compressor/turbine shafts. The proprietary developed components use the exhaust energy particularly effectively. The turbochargers increase the air throughput significantly and are characterized by both, a highly dynamic response with a rapid boost pressure build-up, as well as high stability. Other TECHART modifications are the optimized oil and water pipes and the sport air filters for an unthrottled intake. In conjunction with the TECHTRONIC auxiliary control unit a specific wiring is used for data communication with the motor sensors.



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Performance boost: plus 180 horsepower, plus 170 Nm and 29 km/h faster

The TA058/T2 powerkit increases the engine power of the Cayenne Turbo from standard 520 hp to 700 hp. The maximum torque increases from 750 Nm to 920 Nm. The power delivery is regulated in two stages: during normal operation, 640 hp are available under full load. By pressing the Sport button (standard in all Cayenne Turbo models), the full 700 hp are unleashed between 5,400 and 6,000 rpm. The maximum torque is available from 4,400 rpm.

The significant power increase allows impressive performance. For the TECHART-upgraded Cayenne Turbo, the gap between zero and 100 km/h is only 3.9 seconds, half a second less than for the production model. Up to 160 km/h, the lead grows to a second. From standstill, the Cayenne Turbo with TECHART TA058/T2 power kit accelerates to 200 km/h in only 13.8 seconds .

The propulsion levels out at 308 km/h – thanks to special TECHART wheel/tire combinations in 22- and 23-inch dimensions. In combination with the 21-inch standard wheels and tires, electronic speed regulation prevents exceeding the allowable limits at 300 km/h.

Consumption and CO₂: TECHART's powerkit is more than performance and durability

The elaborate TECHART developments of engine components, software and peripherals pay off not only in terms of power delivery and durability. Despite the significant increase in power, only marginal raise of fuel consumption and emissions have been proven. The results of the testing institute TÜV Süd certified an increase in fuel consumption of less than 1% in the assessment under the Directive Regulation (EC) 715/2007, Type 1. The CO₂ emissions are only 0.8% higher than the values of the measured series model. And also the other exhaust emissions move well below the Euro 6 limit values of the Regulation (EC) 715/2007.



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Audible driving performance: TECHART exhaust systems

The new powerkit can be installed in conjunction with the standard exhaust system. For those who appreciate a spectacular soundscape in addition to breathtaking acceleration, TECHART offers the perfect match with its new sports exhaust system. And in order to underline the performance visibly even at standstill, TECHART sport tailpipes with carbon fiber tubes set the TECHART-refined Cayenne Turbo apart from the series model.

End-of-year highlight: 700 hp kit debuts in the new TECHART Magnum

The new engine enhancement is also a key option in the new TECHART Magnum, the flagship of the TECHART exterior refinement programs for the Cayenne. All Cayenne Turbo customers who opt for the new TECHART Magnum body styling can also order the new powerkit.

Since the first Cayenne generation, TECHART Magnum represents a styling program that sets standards with its muscular and dynamic design. Well over 1,000 TECHART Magnum packages sold, the individualization line became a prime example of powerful SUV Design across the individualization brands.

For the current Porsche Cayenne model range, TECHART presents the new TECHART Magnum in late 2015. With its completely new design, the bodykit sets itself apart from the Magnum range of the predecessor Cayenne models. One typical feature of the new TECHART Magnum: renowned TECHART OE quality. Precision in fit, function and design ensure trouble-free installation, durability and enduring individual driving pleasure.



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Technical Specs TECHART engine powerkit TA058/T2

Basis: Porsche Cayenne Turbo (92A, 2015 model year)

Standard engine: 4.8 liter turbo engine, 382 kW (520 hp), max. torque 750 Nm (553 lb.-ft.)

Performance increase:	Δ_P 132 kW (180 hp)
Total output:	515 kW (700 hp) at 5,400-6,000 1/min
Torque increase:	Δ_M 170 Nm (125 lb.-ft.)
Total torque:	920 Nm (678 lb.-ft.) at 4,400-5,300 1/min
0-100 km/h:	3.9 s (standard model: factory spec 4.4 s)
0-160 km/h:	9.1 s (standard model: factory spec 10.0 s)
0-200 km/h:	13.8 s (standard model: no factory spec)
v_{max}	308 km/h (standard model: factory spec 279 km/h), electronically limited to 300 km/h in combination with 21-inch standard wheels and tires
Included components:	TECHART sport air filter TECHART exhaust manifolds TECHART turbochargers TECHART oil and water pipes TECHART TECHTRONIC engine management TECHART wiring harness Mounting hardware and installation instructions Part certificate of conformity
MSRP:	EUR 29.155,00 incl. 19% VAT



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Other TECHART engine powerkits for the current Cayenne models

TA058/T1 for Cayenne Turbo (92A, 2015 model year).

Standard engine: 4.8 liter turbo engine, 382 kW (520 hp), max. torque 750 Nm (553 lb.-ft.)

Performance increase:	Δ_P 59 kW (80 hp)
Total output:	441 kW (600 hp)
Torque increase:	Δ_M 90 Nm
Total torque:	840 Nm

TA058/SD1 for Cayenne S Diesel (92A, 2015 model year).

Standard engine: 4.2 liter Diesel engine, 283 kW (385 hp), max. torque 850 Nm (627 lb.-ft.)

Performance increase:	Δ_P 26 kW (35 hp)
Total output:	309 kW (420 hp)
Torque increase:	Δ_M 100 Nm
Total torque:	950 Nm

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