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The 911 Turbo

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History measured in decades.

And changed in seconds.

In 1974, Porsche engineers tested a dramatic power-boosting technology from our dominating 917 race cars in a road-going 911. Ever since that first enhanced model, ultimate performance has been defined by a single word: Turbo.

But the process of dramatically enhancing performance did not originate at the track, our test continuous at the track, our test contenter, or even an empreer's drafting table. Instead, it began in a simple workshop in the Austrian village of Chrisiola, 1948. It was here that Dr. Ferdinand Porsche and his son Ferry unveiled the very first Forsche - Those 365s, Smill, atthemetal and

with its engine alt of the cockpit, this simple sports car employed revolutionary thinking and created a driving experience that was singularly pure. Vet to Ferdinand and his son, Porsche No. 1 was not a masterpiece, but a work in progress. A crucible in which to test, tune and enhance their engineering ideas in search of

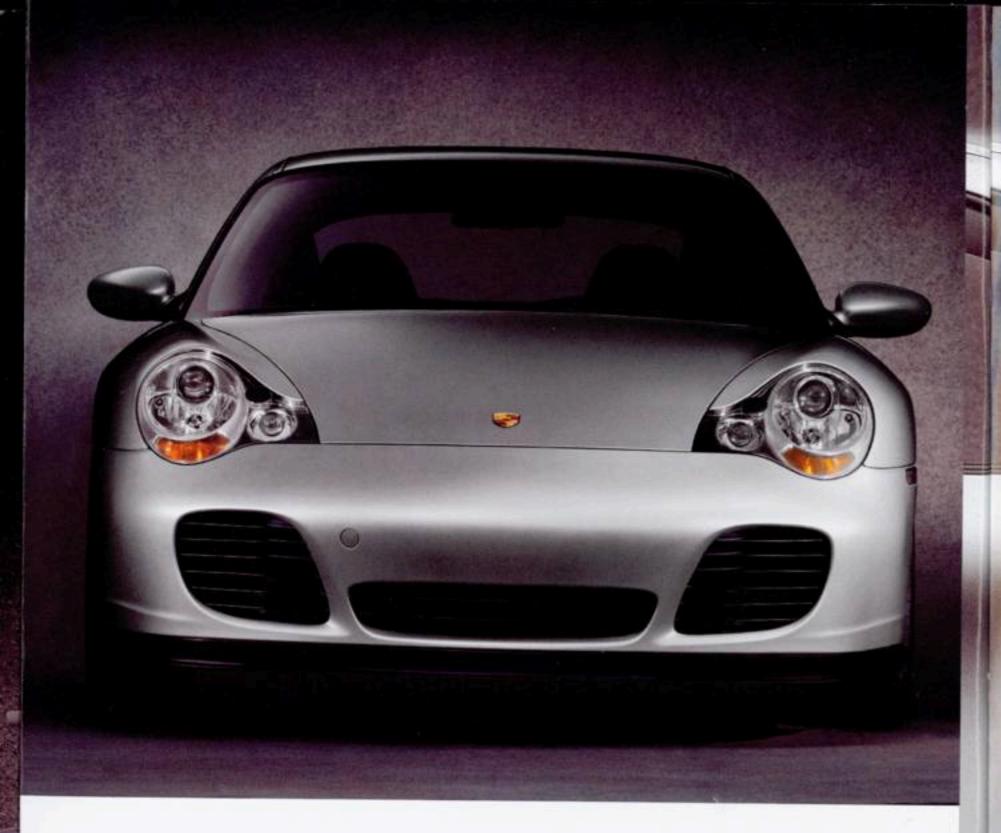
finer balance, quicker acceleration

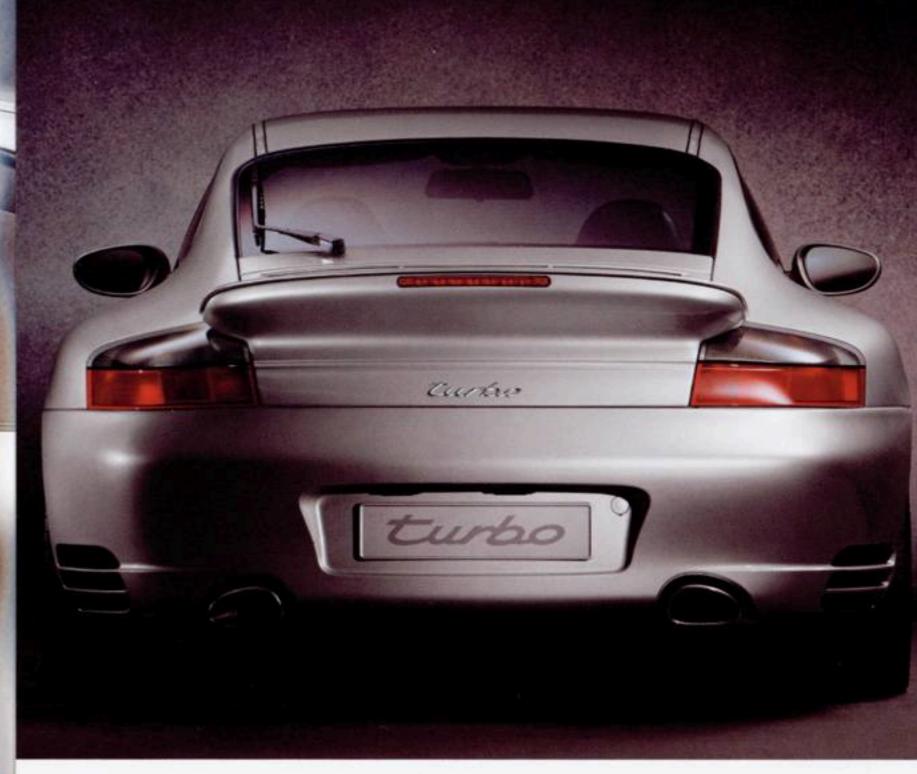
turbo

and a more infinate connection between car and driver. This philosophy of relentless inforcement has driven every Porsche for over 50 years. It is mirrored in the evolution of the 1911 Turbo. With each evolution came increased handing, stability, improved aerodynamics, better broking and, of course, more power. Every generation is more power.

complete than the last. Each technical improvement brings a corresponding increase in passion felt behind the wheel.

The Porsche 911 Turbo, an uncompromising sports car that, in the same manner as every model before it, redefines performance in fewer seconds than the last.





Engine: more powerful.

Brakes: more immediate.

Chassis: more responsive.

Thrill: more of the same.

At Porsche, the shape of a driver's door may remain unchanged for three decades. After all, nothing is ever updated simply to call it "new." Improvements are painstakingly crafted in our Weissach development center, by engineers continually searching for solutions that are not only more innovative, but more effective. They are then

tested under the pressure of competition in the world's most demanding endurance events. Only when these innovations are proven to be an enhancement are they considered ready for a production model. Once introduced onto the streets, these same race-bred improvements routinely distance themselves from the rest. Much like the 911 Turbo.

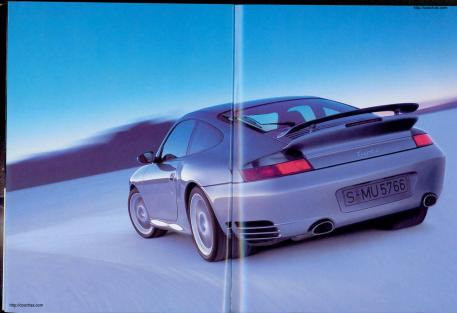
Its engine produces more torque and horsepower than any Turbo model preceding it, yet does so with greater efficiency. Its drive system offers more unwavering control while delivering an even more dynamic experience. Its brakes reel in speeds even more instantaneously, yet they exhibit even less detectable wear. Its

smooth shape generates lower aerodynamic drag while simultaneously increasing the level of stabilizing downforce. And the chassis grips corners with even more ruthless tenacity. Indeed, every specification of the Porsche 911 Turbo has been reengineered, refined and retuned, resulting in a sports car whose technical

achievement and dynamic
performance bring its legendary
lineage forward to the pinnacle
of automotive excellence.
Producing a driving impression
that is, naturally, even more
electrifying. And more Porsche.











More sensational than ever: The 911 Turbo Cabriolet. The first sports car ever to bear the Porsche name was a roadster. More than five decades later, we offer the latest, and greatest, evolution: the new Porsche 911 Turbo Cabriolet. It is, by all accounts, the most refined and technically advanced convertible we have ever built – satisfying a driver's passion for speed, precision and the pure joy of the open

road like no other sports car in the world. The 911 Turbo Cabriolet's power and uncompromising performance are identical to that of the 911 Turbo coupe. But its power to stir your senses and connect you with your surroundings is in a class by itself, elevating the allure of opentopped driving to an exhilarating new level.

At the press of a button, the 911's incomparable driving dynamics are complimented by the warmth of the sun, the rush of the wind, and the rich sounds of a turbocharged flat-six engine. The folding top of the 911 Turbo Cabriolet automatically stows away beneath the rear deck lid in a mere 20 seconds.

A detachable wind deflector

ensures that opening the roof
does not bring comfort or
conversation to a close inside
the cockpit. Like the taut canvas
top, it features a meticulously
sculpted surface that reduces highspeed turbulence and improves
aerodynamic efficiencies at every
angle. A heated glass rear window
provides clear visibility, even in

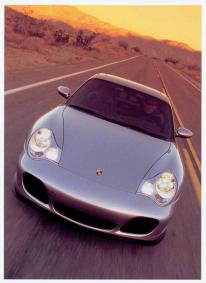
sub-zero temperatures, while a lightweight aluminum top provides an additional layer of security and insulation in unsettled weather.

All of which allows your Porsche to continue weaving a soul-stirring magic so enticing, you're likely to forget every shortcut you have ever known.









#### Performance

At Porsche, this isn't merely a term attached to a more powerful model. Performance is a quality proven year after year, race after grueling race, at places like Sebring, the Nürburgring and Le Mans. It is the inspired result of technology tuned on the raceway, then transferred onto the roadway. The 911 Turbo stands as the purest expression of this process - a machine with reflexes honed through decades of motorsport, always with one end in mind: Connecting the driver's will to the road.

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Cooled by water. Powered by air. Setting your soul on fire.

behind the rear axle, a race-proven boxer engine lies at the heart of the 911 Turbo's aggressive, all-out assault on sports car benchmarks. The new 24-valve, 3.6-liter design, derived from our 911 GT1, delivers engine's horizontally opposed unbridled performance previously reserved for the race track. Advanced cross-flow water cooling

allocates a separate circuit for each cylinder and head, allowing the engine's 415 hard-charging horses to keep their cool, even at full gallop. Dual exhaust-driven turbochargers lend the flat-six pistons more power and mid-range punch, churning out 415 lb-ft of earth-moving torque across a

plateau extending from 2700 to 4600 rpm. Power can be further increased with the optional Turbo power kit, which delivers 444 hp at 5700 rpm and an impressive 457 lb-ft of torque from 3,500 -4,500 rpm. An innovative twin intercooler system assists in delivering charged air to the combustion chambers at the

in a gratifying progression of linear power. And an unrelenting torrent of acceleration on tap clear up to the 6600 rpm redline. Lightweight aluminum alloy construction combines with the powerplant's low center of gravity to offer added agility for powering through turns, where a dry-sump

lubrication system works to keep the engine's lifeblood oil - and your adrenaline- in constant circulation, even through high cornering forces.

VarioCam Plus: Like two engines in one. Adapting the GT1 racing engine to maintain its prodigious power output white satisfying the practical requirements of urban driving presented our engineers with conflicting design criteria. Maximize power and torque on one hand, while reducing emissions and fuel consumption and improving driving refinement on the other. Naturally.

compromise is not an option.



automatically tunes itself for high performance or low-speed traffic on the fly. Enter VarioCam Plus, the latest evolution of our patented variable valve timing system. Each cylinder's intake and outlet valves now feature dual springs to ensure reliable operation under the higher

counter-pressure of the Turbo's free-revving engine. A variable valve lift mechanism has been combined with axial adjustment of the intake camshaft to enable variable valve opening and closing times. In essence, VarioCam Plus offers two engines in one. At low speeds, smooth idling is met with reductions in fuel consumption and emissions by lowering valve lift and advancing the timing. Prod the electronic throttle beneath your right foot, and the system responds instantly by increasing valve lift for quicker induction and advancing valve timing for generous amounts of torque over a

The interest flexibility of VarioCam Plus even optimizes performance during cold starts by reducing exhaust emissions as the engine warms. The entire sequence is controlled with spit-second precision by Motronic ME 7.8, a digital engine management system that balances impressive power with impeccable smoothness, and proves the Turbo's mind is a match for its muscle.

broad rpm range and ample power reserves for passing.

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To the Porsche cetiturient, it comes as no surprise that the engines for the 911 GT rescena and 911 futto for tereders share as many animarities. After all, victually every component used to hadd our aposts care has, in some way, proven itself on the racetrack, from pressure-east pictors and (Nikasi-fined cytinders to its light-alloy crunkacis, this powerplant has inherited numerous technologies from its le Mans compared continuit, Not to

mention its sense of purpose.

- 1. Oil scavenge pump
- 2. VarioCam Plus
- 3. Oil tank with oil separator
- Oil tank with oil separ
   Hydraulic valve lifters
- F 7...
- Turbocharger
   Suction pipe upstream of compressor
- 6. Suction pipe upsi
- 7. Electronic throttle
- Inlet valves
   Inlet camshaft
- Innet camsnart
   Individual ignition coils
- 11. Valve springs
- 12. Water pump
- 13. Nikasil-coated cylinders
- 14. Forged aluminum pistons
- 15. Crankshaft
- 16. Combustion chamber
- 17. Air-conditioning compressor
- Serpentine belt
   Forged connecting rods
- 20. Power-steering pump with oil reservoir
- 21. Oil-pressure pump (obscured)
- 22. Muffler
- 23. Catalytic converter with oxygen sensors
- 24. Timing chain
- 25. Slide rail
- 26. Chain tensioner



## Its exhaust system doubles as a jet stream.

The torrent of power that surges through the 911 Turbo's veins is spurred by exhaust-driven turbochargers that flex their muscles with equal ease in second or sixth. gear. Holstered in parallel on either side of the engine, the KKK K64 turbos each serve a separate cylinder bank with up to 12.3 psi of intercooled boost that is virtually linear in its progression. Low intake tube volume and a short exhaust manifold reduce the energy lost by exhaust gases before entering the turbochargers. The payoff? Speed that gathers with a fluid, seamless sense of urgency. And a healthy disregard for impolite surges or hesitations when shifting gears.

Boost pressue is metered by the Motorice regime management system to match your style of driving. At smooth, constant rates of speed, the engine is continued to reduce fast consumption. A more dynamic style of driving is met with higher boost pressure subtream of the throaties valve, prompting the turbochargers to run faster and reach fall stride sooner when you open up the throatie under acceleration. The tarbos converse single air to provide the control of the throaties the throaties the throaties throati to a maximum of 26.8 psi (at about 2500 rpm), where integrated waste-gates open to decrease pressure as engine speeds increase. Compressed air is then routed through dual intercoolers to ensure optimal cylinder charge prior to induction.

Immediately downstream of each turbine are advanced trimetal catalytic converters that cleanse 98 percent of exhaust gases within 10 seconds of startup. Stereo Lambda probes analyze the composition of each exhaust system separately, enabling the air/fuel mixture to be adjusted precisely for each bark of cylinders.

Our produced regard for protecting the environment to the factor extent technology will allow is evidenced by an on-board diagnostic system that continuously monitors oner 70 engine and exhaust components. If an emission-related idem into the continuously monitors oner 70 engine and exhaust components. If an emission-related idem into the continuous of the continuous of the continuous of the continuous of the dispersion in the Motoriac continuously and earlier in the Motoriac continuous that saids in diagnosing repairs, and getting you back on the noad, where you belong, as soon as possible.





Designed to protect the future at every turn. While its ability to push the needle into the red is well documented, the 911 Turbo is also renowned for being emissions than the previous model. the "greenest" supercar on the planet. An advanced engine design teaming And while the Turbo's exhaust note VarioCam Plus with a new engine control unit improve fuel efficiency

by 18 percent over our previous (air

cooled) model. Electronic on-board

ers take things one step further. providing 13 percent cleaner

is unmistakable in its authority, significant noise reductions have also been achieved. Rather than adding unnecessary weight through engine diagnostics and twin catalytic convert- encapsulation, we opted to satisfy

worldwide noise regulations the Porsche way - through intelligent design. Engine components were made more rigid, moving parts lighter, and tolerances tighter. The result: earth-shattering performance delivered without the ear-shattering bravado. All materials are carefully selected with an eye towards the future. Every

Porsche is completely free of asbestos, cadmium, mercury, CFCs and components manufactured with CFCs. Longer service intervals (15,000 miles for engine times - are an integral part of our oil, 30,000 miles for spark plugs, design strategy. These components oil and air filters) help minimize both environmental impact and the need for extended pit stops. Even

their environmental impact is minimized. Fully galvanized sheet steel, aluminum and plastics - materials that can be recycled a number of are specially marked to streamline sorting and recycling in the future. A reassuring thought, even though before our Turbos leave the factory, a Porsche rarely gets recycled.

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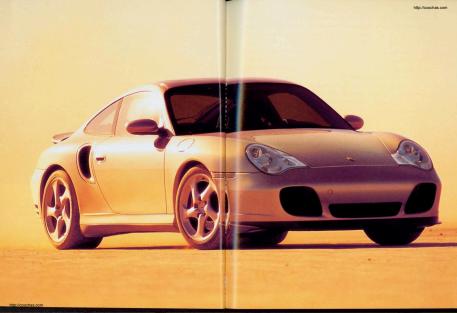
Greet winding ribbons of pavement with a firm grip. The 911 Turbo's extraordinary performance potential is as evident in corkscrew turns as it is over wideopen straightaways. Bolstered by components from the 911 GT3 race car, the refined four-wheel independent suspension offers a unique combination of race-ready balance, laser-sharp handling and outstanding driver safety. In front, an optimized

strut suspension with "floating" control rods and control arms bound by a flexible bearing delivers precise wheel control, while stiff springs and shocks tuned for the engine's enormous power remove wrinkles from the road. Without insulating you from it. Even the shape of the steering knuckle has been optimized to

The multi-link suspension in back is A streamlined three-piece molding mounted on a separate subframe which isolates noise and vibration from the cockpit while allowing for stiffer chassis tuning. Large rubber mounts soak up surface irregularities the previous model. and help maintain an ideal geometry, ensuring the Turbo's tenacious rearwheel traction remains firmly intact enhance brake cooling. as you stake your claim to corners.

(first fitted on the legendary 959) works in tandem to improve underbody aerodynamics and reduce rear-axle lift by 33 percent over

Lightweight aluminum alloys are used to reduce unsprung weight. Behind the wheel, this translates into improved straight-line tracking and crisp, nimble cornering. It's complemented by a force-sensitive rack-and-pinion steering system that is every bit as responsive as the twin turbochargers pressing you deeper into your seat at speed.



## Six-speed manual:

A robust 6-speed manual gearbox serves as the perfect conduit for harnessing the explosive power of the Porsche 911 Turbo, And placing it in the palm of your right hand.

The gearshift is a masterpiece of precision and storothers. Dual-cone synchronizers and direct short-throw action combine to a deciver shifting that is swift and sure. A hydraulically assisted clutch with short pedal travel ensures that your active participation feels almost effortiess, while arison carefully matched to the engine's elevated levels of power ensure that you remain in the mid-die of the rynn range. With a continuous flow of power under the properties of the precision of the preci

Even with a zealous 415 bit of torque on board, the acceleration is every bit as fluid as it is brisk. And, rest assured, the 911 Turbo translates power into motion with more conviction than any Porsche we've ever unleas

Of course, you don't have to work the gearbox to revel in the Turbo's sensations. Even in the very tall sixth gear, a driver is rewarded with plenty of thrust. Shifting down a gear or two, on the other hand, has its own spine-timeling rewards.

A twin-mass flywheel that minimizes gearbox noise and



a reinforced cable-operated shift mechanism that reduces both weight and shifter vibration assure an added degree of comfort for engaging in spirited, and frequent, conversations with each of the Turbo's six gears.

#### Tiptronic S: Shifting with Formula One flair.

The full privileges of driving a turbocharged Porsche can be enjoyed with the fun and immediacy of manual shifting or the convenience of an automic transmission. Engineered to match the Turbo's assessme torque output, the revolutionary Totronic St transmission allows you the freedom to choose a style of driving that matches your mood.

In automatic mode, Tiptronic S

intuitively selects gears for achieving the objectives telegraphed by your right foot. The five shifting programs of the air-cooled version have evolved into a dynamic system with infinitely adjustable shift points that sync with a driver's unique acceleration, cornering and braking patterns. The system also pays close attention to the demands of the road by choosing the gear best-suited for uphill or downhill driving. It automatically downshifts in response to hard braking, holds the lower gear through cornering, and upshifts to reduce torque if wheelspin is sensed. Downshifts resulting in over-revving are also prevented, vielding to a survival instinct that is, perhaps, the highest order of intelligence.

To the generality lever into the manular postories, and your frequency are instartly rewarded with Culciblessshifting benefits of Formula Oneracing. Toggle swarties on either side of the steering wheel let your thumbs set the shift points while keeping both hands freying control of their ploting duties. As you run through the gears, each shift is swith C2 second and amount, with the engine management system feathering the throttle to seamlessly manufactures are supported by their feathering the throttle to seamlessly manufactures are supported by the profeathering the throttle to seamlessly contractions are supported by the profeathering the throttle to seamlessly contractions are supported by the profeathering the throttle to seamlessly contractions are supported by the profeathering the throttle to seamlessly contractions are supported by the profeathering the throttle to seamlessly contractions are supported by the profeathering the throttle to seamlessly contractions are supported by the profeathering the throttle to seamlessly contractions are supported by the proting of the profession of the proting of the profession of the proting of the profession of the profession of the proting of the profession of the profession of the proting of the profession of the profession of the proting of the profession of the profession of the profession of the proting of the profession of the proting of the profession of the profession of the profession of the profession of the proting of the profession of the pro

Even with the gearshift in automatic mode, Tiptronic S lets you temporarily take control of the shifting. Simply press the toggle switch, and the system reverts to manual shifting on the fly for at least eight seconds, allowing you to quickly execute a pass—or revel in a spontaneous celebration of pure automothe power.





#### Design

Form does not merely follow faction. It defines it. At maximum speed on the Milistame straight, the curvature of a fender or angle of a vert is reasonable to determine whether a race car remains in syne with its driver. The knowledge against from such high-speed lessons can be readily seen in the polished lines. And susceptive all the as the cor tracks base-true at speed, celebrating each curve in its path with equal amounts of poise and panach.



#### Formsprache:

The language of Porsche design.

Literally translated, it means "form language". In practice, it's the Porsche focus on performance has inspired a succession of superlative sports ties that bind Porsches together as a family. Of course, Formsprache is functional justification of every more than a collection of precepts

shaping our cars. It is a passion that fuels our soul. A passion personified design philosophy whose unflinching by Porsche Type 959, a rolling testbed of avant-garde technologies created not for profit, but simply cars. And a blueprint for reinventing to explore the depths of our ideas. the future while retaining the spiritual And a passion which, in the 911 Turbo, manifests itself in the

feature and subtle styling cue.

911 Turbo is styled in an incessant effort to achieve even greater aerodynamic efficiencies. You see it the moment your eye begins flowing down the windshield and across low-angle headlights that

in the front, sides and rear of the

Virtually every angle of our flagship vehicle offer further evidence highlighting the Turbo's ability to harness the wind as an agent in cooling and stability.

And then there's the Turbo wheel whose profiled spokes help reduce blend seamlessly into the hood and lift and improve braking by drawing fender contours. Sculpted air vents warm air from the brake discs out around the sides of the car instead of beneath the chassis. Lightweight aluminum alloys and a patented hollow-spoke design also manage to shed 24 lbs of unsprung weight into thin air, resulting in more precise cornering. Quicker stops. And a level of comfort that has once again redefined high performance driving in a visceral language that must be

felt to be fully understood.

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Pure synergy.

Porsche. The silhouette undoubtedly that of a 911. In motion, you will notice something different: A Turbo whose unabashed charisma is heightened by an extraordinary sense of control. How can so

much power be choreographed with such precision on the open road? The answer is in the air. Rather than settling on a 'hydroplane" approach that merely deflects air around the car, our engineers have spent endless

Weissach devising a network of aerodynamic elements that actively enlist the air as an ally in reducing lift and drag while simultaneously cooling vital engine, transmission and brake components.

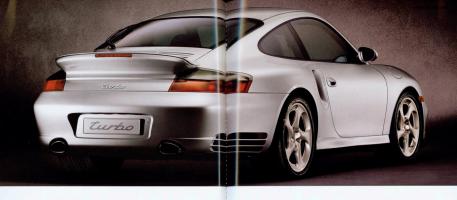
edge design begins at the front humper where a sculpted spoiler lip reduces front-axle lift by diminishing the amount of air passing beneath the car. Instead, the wind is swallowed by black-lined ducts

feeding three radiators which boast 50 percent more surface space and a 10 percent increase in cooling capacity over the previous generation Turbo, Internal spoilers are also used to enhance brake cooling before venting the air through gill-like slits that act as invisible spoilers to lower drag at the front tires.

Aerodynamic synergies continue in back, where a rear wing spoiler lessens lift and drag as it channels cool air into the engine compartment. Crescent-shaped intakes corral the wind along the sides of the car to satisfy the twin turbochargers' thirst, while meticulously shaped panels work down below to keep air gliding beneath the 911 Turbo, creating a 'ground-effects' stream that simultaneously optimizes ventilation of the front differential and gearbox. The smooth underbody prevents lift forces from gaining a grip and helps drive the coefficient of drag value down to a low .31-while maintaining a thrill factor that races off the charts.

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Looking for the heart of the Turbo's forward-thinking design? Look to the rear.



like that of its Carrera cousins. can be traced to a flat-six engine beating directly above the rear axle. It's here, aft of the cockpit. that a supporting cast of designs have been assembled to transform mere horsepower into an uncanny combination of quickness, power and precision, and in the process,

never before.

The indomitable spirit of the Turbo, projects the simple act of driving into a "sixth sense" that draws the road and driver together like

> Even at first glance, the Turbo's broad stance and smooth, taut lines convey an immediate sense of purpose. The curvaceous hips of its ancestors have been chiseled

into leaner, more athletic rear fenders that cover a wider track while discreetly accommodating twin turbochargers with air vents reminiscent of the 959 supercar. The signature 18-inch hollow-spoke contributes to a top track speed wheels are equally endowed. sporting massive 295/30 ZR-18 low-profile tires that act as contact patches for pouring power onto

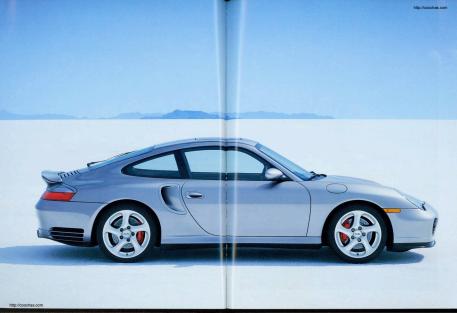
the payement, while riveting all four corners to the ground. An active dual-section rear spoiler provides still greater adhesion by generating extra downforce that of 189 mph.

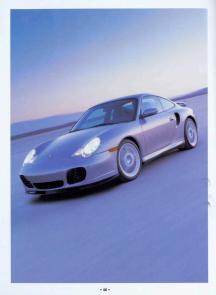
The lower section of the spoiler is fixed, while the upper section lifts • 45 •

2.4 inches when the car's speed reaches 75 mph, keeping the rear wheels faithfully in line.



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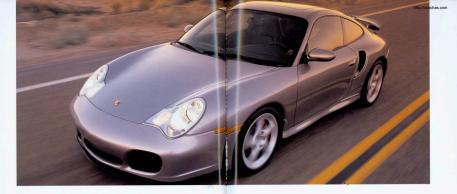




#### Safety

Can a sports car invite its driver to purson it is potential without first inseptic, confidence? Can any car provide true security if it is incapable of resouring to mempency maneuvers? Ask a Porsche engineer and the reply is simple: Performance is equal parts power and safely. It's a philososphy that Carges the platform of every car we build. And ensures the Turbo's ability to perform in equalled only by it ability to perform in equalled only by it ability to prefor in equal only it is ability to preform in equal only it is ability to prefor in equal or in the care of the control of the care of t

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Porsche Stability Management: Power at every wheel. Control at every corner.

The unshakable sense of confidence you feel at the controls of the 911 Turbo flows from a liquid and 40 percent of the engine's all-wheel drive system designed to exploit its uncompromised power and torque with unparalleled optimal stability that retains its control. Leading the charge is a viscous multi-plate clutch that reads traction at all four corners and reacts instantly to wheelspin

by routing power to the wheels with the most grip, Between 5 power is dynamically directed to the front axle at all times for incomparable rear-drive character. Our revolutionary Porsche Stability Management (PSM) system heightens handling even

further, orchestrating an ensemble of drivetrain, engine and brake technologies into expertly choreographed cornering. Sophisticated sensors poll the ABS, anti-slip regulation and automatic brake differential systems for data on speed, wheel rotation, steering angle, yaw and lateral acceleration. In an instant, PSM uses these

values to calculate your cornering line and correct traction loss by discreetly applying brake pressure to individual wheels. If necessary. engine output is also regulated. You can switch PSM off and re-activate it by braking.





Engineered to meet the demands of rush-hour traffic. At Le Mans,

While the 911 Turbo's brakes may be ideally suited to withstand the rigors of winding mountain roads and heavy start-and-stop traffic, they weren't built that way. In fact, they were engineered to satisfy an entirely different set of demands: the tortuous 24 hours of Le Mans.

Sporting a monobloc design developed for racing; the Turbis quartet of large, reinforced fourpiston fixed calipers are perfectly tuned for its increased performance potential. Their light weight and botstered stiffliness deliver quicker, more consistent pedal response, while massive 13-inh ventilated discs secure each corner with a 5 percent increase in the brake lining area over the earlier aircooled model.

All-important brake cooling is aided by cross-drilled rotors, which help dissipate heat and improve wet weather braking by diffusing the build-up of water vapor pressure. even further by spailer-like brake up protection plates that channel that directly to the discs and a spoked wheel design that vents heat from the hub. Beach by the improved modulation and shorter stopping distances of our four-

four times as powerful as the upgraded engine. Providing more than enough restraint to tame the 911 Turbo's unbridled spirit.

Fade resistance is enhanced



Ceramic brakes:

A breakthrough in braking technology.

The latest generation of remarkable brake technologies, Porsche Ceramic Composite Brakes (PCOB) combine a carbon fiber reinforced ceramic disc with high performance composite pads. Add an internal system of involute cooling channels and the result is unmatched thermal stability.

fiber and polymer-mix disc moulding is silicated in a special high-vacuum process at 3,092° F. The resulting durabitly is another key benefit of PCCB and can allow a brake disc to last as long as the car itself under normal driving conditions.

During manufacture, the carbon

The massive 13 ench ceramic brake disc weight 50 percent less than its cast evon counterpart, reducing unsprung weight by 44bbs for improved handling. Armed with new composite metal linings, ceramic brakes maintain their frictional coefficient regardless of temperature for the ultimate in fade-free stopping power. Cross-drifted discs and water resistant brake linings

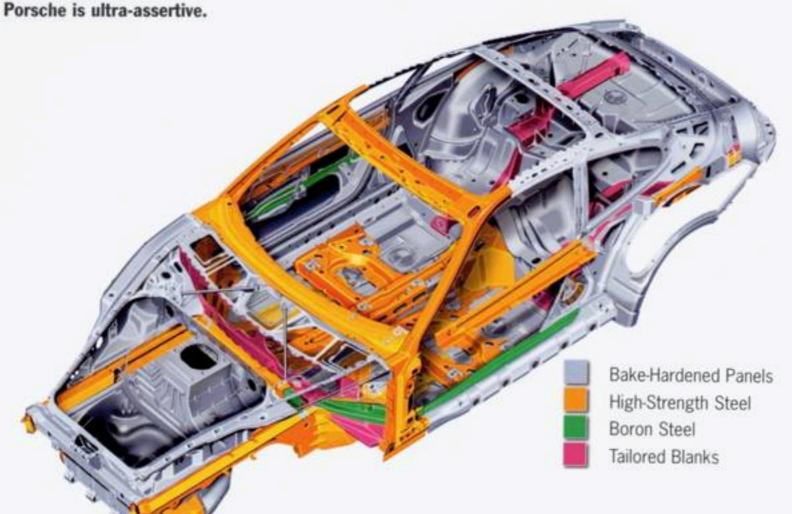
ensure equally superior

performance in wet weather.

At the front, each disc is securely gripped by a powerful six-piston caliper. At the rear of the car, where less force is required, a pair of four piston units are used. All designed for maximum braking,



When it comes to passive safety,



Beyond their obvious visceral appeal, the new Turbo's torquerich powerplant, immense brakes, PSM-assisted all-wheel drive and race-tuned suspension meld into a world-class standard for active safety. And, rest assured, the litany of technical leaps beneath its tightly drawn skin offer passive safety in equal abundance.

The front of the car is bolstered by a labyrinth of lateral and longitudinal supports. Modeled after our racing designs, the spaceframe-like structure absorbs
energy from a collision using
three separate load-bearing levels
that channel impact forces around
the passenger cell in a precise,
calculated manner.

The fuel tank and fuel lines are positioned outside the deformation zone for added occupant safety.

High-strength body panels, forged from two-sided galvanized steel, are integrated into a chassis laced with advanced lightweight alloys, like boron steel, to increase torsional rigidity by 50 percent and stiffness by 80 percent, while shaving 154 pounds compared to the previous air-cooled 911 Turbo. It's no accident that, in managing a superb power/weight ratio, performance and active safety are enhanced as well. After all, measures taken to improve safety are often mistaken for pure, unadulterated fun by Porsche drivers.

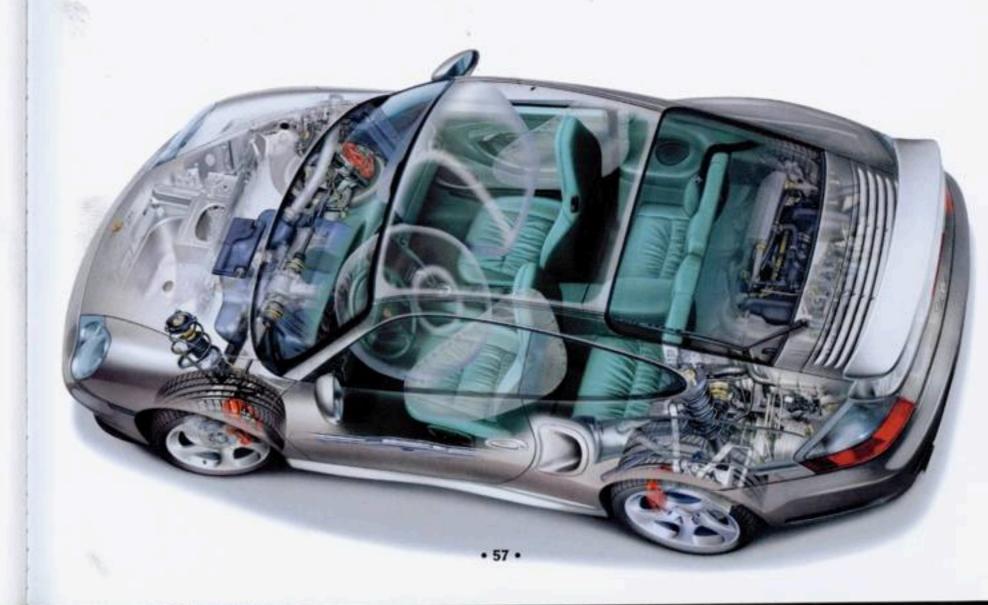
## In a Porsche, safety is always on your side

In 1991, Porsche became the first automaker to provide dual airbags as standard equipment across its entire model range. A decade later, nothing has changed. Once again, Porsche is leading the way with new lightweight airbag designs that operate more efficiently with better recyclability. Even the gas propellant is organically based.

Adding to the list of safety innovations is the Porsche Side Impact Protection (POSIP) system,
comprised of side air bags and
energy-absorbing door panels
strengthened by boron steel side
beams. POSIP ensures improved
head and chest protection that
extends the normal shoulder
protection to both the head and
chest. At 30 liters in volume
each, they also cover the entire
adjustment range of the seat.

Granted, the thought of exiting such a safe and deeply satisfying driving environment may not be a pleasant one, but the 911 Turbo's

sophisticated security and remote entry systems make doing so more reassuring. In addition to monitoring the perimeter of the vehicle, the central locking and alarm system allow you to activate up to three levels of security using the remote control key. The ignition's electronic immobilizer completes an arsenal of technologies geared for maximum peace of mind.



Safety first.

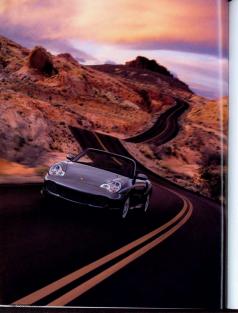
Safety in a cabriolet presented the Porsche engineers with a challenge and Porsche engineers have never shied away from a challenge. The 911 Turbo Cabriolet's safety system was developed originally for the 911 Cabriolet. Its design represents a true benchmark for occupant protection in a cabriolet.

The 911 Turbo Cabriolet also comes equipped with the Porsche Side Impact Protection System (POSP). With its lurge, twin side airbags and energy-absorbing door panels, POSP provides added protection for the head, even when the windows are fully coen.

has all of the advanced safety features of the 911 Turbo Coupe, and more. In addition to reinforced Apillars, the 911 Turbo Cabrolet features an automatically deployed supplemental restraint system designed to help protect the occupants if the car overturns. The system consists of two sturdy, spring-loaded, aluminum bars housed befind the rear seats.

Naturally, the 911 Turbo Cabriolet

A central sensor monitors acceleration, gravity and angle of inclination at all times. In the event of an emergency, the supplemental safety bars are deployed in a fraction of a second



Technology for lighting up the road at night.

engineers routinely extend their test drives beyond the sun's workday. Nor is it surprising they would devise a technology allowing them to continue riding the stallion of the 911 stable well into the night.

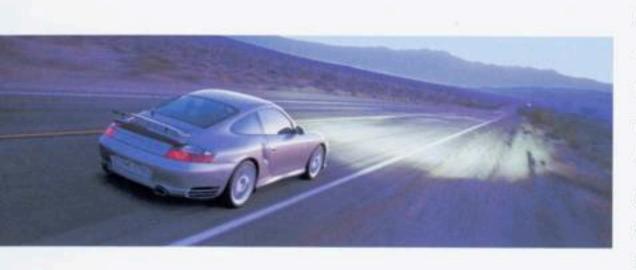
The Bi-Xenon headlights featured on the 911 Turbo project a range and illumination that matches its eager engine. Sporting a distinctive glass lens that focuses more light

Naturally, we haven't confined our efforts to finding an ideal spot on the light spectrum. A dynamic headlight leveling system raises the bar for traffic safety standards by automatically adjusting the beams to compensate for changes in vehicle attitude. As a result, the blinding of oncoming vehicles under acceleration is significantly reduced, and illumination while braking is greatly improved.

A headlight cleaning system completes the package. Washer nozzles are integrated directly into the headlamps to ensure the shortest possible spraying distance. Resulting in the most efficient operation at speed.

Form must always follow function.

Just as night follows day.



near the outer edge, the 911
Turbo's headlights use a single
gas discharge bulb for both low
and high beams. The DS2 Xenon
bulbs radiate twice the light of
halogen bulbs while requiring 30
percent less power. Xenon's
brilliant blue-white light is virtually
identical to the wavelength of
daylight, which also helps to
reduce eye strain.





# **Comfort and Personalization**

Dies are expertly arrayed to match each unique sheet of leather. Seats are upholstered one by one, hand-stitch by hand-stitch. The Turbo's interior, like that of every Porsche past, is the work of craftsmen. The instant you sense the seat bolstering your body, see the tach peering prominently through the wheel or feel the shifter settle into your right hand, it becomes clear: The Porsche cockpit celebrates driving in its purest form.



#### Race-bred, Elegantly refined.

Welcome inside the 911 Turbo cockpit. A place where drivers come to connect with the road. And experience the emotions that begin to stirthe moment your left hand reaches for the ignition switch. In the days of the "Le Mans start", this placement allowed our drivers to sprint to their A quarter-century after the first 911 cars and fire up the engine with one hand while shifting with the other.

To convey engine speed vitals at a glance while racing around the track at triple-digit speeds, we also placed an extra-large tachometer directly in the center of the instrument panel. Where it remains to this day.

Turbo took to the streets, these race-inspired hallmarks have been

augmented with an unprecedented degree of ergonomic refinement. The telescopic 3-spoke leather steering wheel literally reaches for your palms while revealing instrument gauges that cascade into a single visual unit. Giving your eyes the focus necessary for splitsecond decision making. The

on-board trip computer has a large

multi-function display for viewing average speed, outside temperature, and other information simultaneously. The system is even smart enough to translate warning lights and oil level readings into plain English.

LED orientation lights subtly illuminate the cockpit and center console at night, allowing your fingertips to quickly and easily locate any of the controls. Then again, you may opt to simply set the fully automatic climate controls and ignore the rest, freeing your hands to join forces with the steering wheel and the shifter in surprising the road ahead.

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#### Conventional wisdom suggests that comfort and performance don't mix. Thankfully, the 911 Turbo is anything but conventional.

Given its pedigree for performance, the 911 Turbo's luxurious appointments and spacious interior may seem a bit surprising. Then again, we have never measured excellence strictly by the sweeping of a second hand.

The wider chassis of the 911 series treats Porschephiles to more space, more storage and, most important, more room to drive. The control panel nunctuates the Turbo's full leather interior with both aesthetics and functionality.

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Uniquely designed cupholders fit

unobtrusively above the control panel for you and your passenger. At the press of a button, open the suproof or create an interior climate using the one-touch temperature controls

Comfort and convenience. By design.



Slip behind the wheel, and the first thing you're likely to notice are front seats that conform naturally to the contours of your body Over time what you'll notice most vividly is their deep, supportive cushioning that soothes without dulling the senses. As well as exceptional lateral support that defies high cornering forces, holding you securely and comfortably in place.

Power seat adjustment offers you added precision in selecting the driving position you desire. Up to three seat and

exterior mirror

settings can be

recalled using a

memory function

whose intelligence

includes a

programmable

passenger-side mirror that automatically shifts down to view the curb when reverse gear is selected For remote operation, a maximum of four keys can be programmed

with individual seat height, seat back, fore/aft and outside mirror settings. A second button on the key opens the front trunk which holds 4.6 cubic feet of luggage with the spare tire in place.

#### Rose Sound System

To match the Turbo's high performance with high fidelity, Bose and Porsche engineers worked side-byside for three years to design the ultimate audio experience - one perfectly calibrated to the 911's unique acoustical signature. The system features twelve high-end sneakers (eleven on the Cabriolet) precisely placed throughout the cabin using thousands of measurements from every angle conceivable. Our multimedia technology - the MOST (Media Oriented System Transportation) fiber ontic network - connects the ensemble of tweeters, woofers and mid-range speakers together to form a paporamic soundstage

bass, rich midtones and sparkling high-range sound at any volume and speed. The system is powered by amplifiers that equalize sound to the interior's accustics and sweetened by Bose's ingenious Audio-Pilot technology, which monitors the cockpit for ambient noise and adjusts sound levels to filter it out.

#### Porsche Communication Management (PCM)

Porsche satisfies the demands of a fast-paced world by including the Porsche Communication Management system as standard equipment, PCM transforms your center console into a digital autobahn by integrating GPS navigation, a trip computer and high-end audio in one easy-to-access system. A high-resolution, wide-format screen lets you request driving directions and ask the trip computer to estimate your ETA using the quickest route. Or take the long way home and set the dual-channel RDS tuner loose scanning the airwayes for your favorite format of music.

that floods the cockpit with deep · 67 ·





Maple wood interiors.



Carbon fiber interio

Leather interior





#### The Exclusive touch: For those who like their sports cars rare.

Those who create a Porsche, and those who own one, share something uncommon today: An ability to make the rare choice. And feel what others have all but forgotten. Giving Porsche drivers the option of indulge-in in a cockpit crafted from the world's finest materials is a logical extension of our passion to create sports cars for which there is no substitute.

pleness of exquisite leather? The

discriminating taste.

Light or Dark Maple wood

Nothing creates a sense of warmth

and prestige more convincingly

than beautifully crafted wood. Like

Porsche automobiles themselves,

wood grows more refined with age.

Maple wood lends an ambiance of stately elegance to the interior's

Which appeals to you most: the suphave made it a mainstay of Porsche motor sport designs. Inside your high-tech feel of aluminum or carbon fiber? The rich look of exotic woods. Porsche, its allure is amplified even perhans? We offer interior packages further with an exquistte finish that and accents to accommodate every intensifies the cockpit's luxury and sporting intent. Carbon interior highlights around the dashboard, door handles and center console clearly communicate the 911's racing bloodines with a diamond-pattern design that accentuates its modernday appeal. Optional items include carbon fiber accents along the Expertly cut and exquisitely finished. with sporting flair, and carbon door

modern-day shapes and layout. Each piece of wood inlaid throughout the cocknit is hand-finished for a deep luster and precise fit.

From the careful selection of the native stocks to the extensive finishing processes, a 911 wood interior is imbued with old-world craftsmanshin, that unholds a Porsche tradition to create objects of pure beauty that are treasured by their owner as well as their artist.

#### Carbon fiber

durability, resiliency and light weight steering wheel that greet your hands sills designed with 911 insignias

Carbon fiber's unique combination of

#### that announce to passengers the incomparable experience in which they are about to include.

#### Leather

Slip inside a Porsche fitted with an expertly appointed leather package. and your first impression is likely to be the way it feels to the touch. Its supple aroma. The taut, fine-grain leathers that conform perfectly to every fluid line and contour. From dies skillfully arrayed to match individual leather sheets to seats that becomes clear; this is not a race about mass-producing a lot of leather-clad interiors. Only a few perfect ones.

#### Aluminum-Look

automotive world with a lightweight aluminum body that road the wind like no other car of its time. Ever since, aluminum has played an essential role in shaping the unmistakable sporting character of our cars. Inside your 911, it highlights an aura of high performance while embodying the enduring Porsche virtues of nure functionality. simplicity and elegance.

Porsche Number 1 dazzled the

#### **Interior Trim Packages**



"Indicates both a Large and Small Package feature.

Dark or Light Burr Maple ( ) Switch trim central air vent mounting , central air vent divider , lower switch trim", instrument surround", trim strip", side air vents, defroster trim, speaker finishers on doors and at rear front of door handle, and lid of door storage bin.

Leather in Interior Color ( ) Central air vent slats ", T-divider ", cupholder trim", hazard warning light surround", ignition lock surround", side air vent slats, speaker finishers on dash, mirror attachment point finishers.

Paint in Interior Color ( ) Speaker grills on dash and on doors. Gear Shift Knob (or Tiptronic Shifter) and Handbrake Grip Leather/Aluminum or Dark or Light Burr Maple/Aluminum/Leather

Steering Wheel Dark or Light Burr Maple/Leather or Interior or Deviating Leather

Steering Column Interior Leather

Rear Center Console Dark or Light Burr Maple, Interior Leather, or Painted Exterior Color, or Aluminum-Look

Door Sills with Model Insignia Aluminum



1 Indicates both a Large and Small Package feature.

Carbon Fiber ( ) Switch trim central air vent mounting , central air vent divider , lower switch trim , instrument surround ", trim strip", side air vents, defroster trim, speaker finishers on doors and at rear, front of door handle, and lid of door storage bin.

Leather in Interior Color ( ) Central air vent slats: , T-divider: , cupholder trim: , hazard warning light surround: , ignition lock surround\*, side air vent slats, speaker finishers on dash, and mirror attachment point finishers.

Paint in Interior Color ( ) Speaker grills on dash and on doors.

Gear Shift Knob (or Tiptronic Shifter) and Handbrake Grip

Carbon/Aluminum/Leather or Leather/Aluminum

Steering Wheel Carbon/Leather or Interior or Deviating Leather or Steering Column Interior Leather

Rear Center Console, Carbon Fiber, Leather, Painted Exterior Color, or Aluminum-Look

Door Sills with Model Insignia Carbon Fiber or Aluminum

#### **Interior Trim Packages**



"Indicates both a Large and Small Package feature.

Leather in Interior Color ( ) Switch trim central air vent mounting ", central air vent slats ", T-divider ", cupholder trim", central air vent divider", lower switch trim", instrument surround", hazard warning light surround", trim strip", ignition lock surround", side air vents, side air vent slats, defroster trim including alarm light surround, speaker finishers on dash, and speaker finishers on doors and rear.

Paint in Interior Color ( ) Speaker grills on dash and on doors.

Deviating Leather or Stitching on Interior Features

Supple Leather Seats or Leather Sport Seats Interior color

Front Center Console Interior Leather

Porsche Crest embossed in headrest

Rear Center Console Carbon Fiber Leather or Painted Exterior Color or Aluminum-Look

Steering Wheel Interior or Deviating Leather or Steering Column In Interior Leather

## Aluminum-Look - Large and Small



"Indicates both a Large and Small Package feature.

Aluminum-Look ( ) Central air vent slats ", instrument surround", trim strip ", side air vent slats, and speaker grills on doors.

Leather in Interior Color ( ) Switch trim central air vent mounting ". T-divider ", hazard warning light surround." side air vents, defroster trim, ignition lock surround, mirror attachment point finishers, and speaker finishers on doors

Gear Shift Knob (or Tiptronic Shifter) and Handbrake Grip

Finished in Carbon/Aluminum/Leather, Leather/Aluminum, or Dark Burr Maple/Aluminum/Leather

Steering Column Interior Leather

Steering Wheel Finished in Leather (Interior or Deviating Color), Carbon/Leather, Light or Dark Burr Maple /Leather, or Aluminum-Look

Rear Center Console Finished in Aluminum-Look



#### **Specifications**

Porche cars are enginered to crystallize the connection between man, machine and the parement disappearing the peneath you. A car's insate ability to creat this connection is quantified in data—number and descriptions that sere as technical expressions of this potential. As even a cursory galace reveals, the 911 Turbo features some impressive numbers. And a number of impressive features.

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## **Specifications**

-	-				
Type	Bear-mounted, beis-parallel exhaust gas turbochazend, water-cooled, horizontally opposed six-cylinder with alaminus—alley block, hossis and piotous, dual overhead cansulatis, four valves per cylinder with YarioCass Plas variable valve timing system, two interceolers				
Induction	Twis turbocharger with intercooling				
Displacement	3.6 liters (3600 cc)				
Horsepower	415 hp @ 6000 rpm (SAE)				
Torque (max)	415 Ib-ft from 2700-4600 rpm (SAE)				
Bore/Stroke	100/76.4 mm				
Compression Ratio	9.4:1				
Engine Management	injection, varia	ble sulve lift me	electronic thrette (E-gas), high-wiltage ignition with individual coils, sequential chanism, boost pressure control, cylinder-selective knock centrol & stereo d en-board diagnostics (GED III).		
Chassis					
Front Suspension	Independent MacPherson struts with forged aluminum control arms, cell springs, stabilizer har and negative steering roll radius				
Rear Suspension	Independent LSA multi-link with stabilizer bar, coil springs and self-stabilizing toe control				
Steering	Hydraelically assisted force-sensitive rack-and-pinion				
Brakes	4-wheel, cross-drilled, ventilated 330mm diameter discs with aluminum-alloy, 4-piston fixed menoblec calipers (red), ABS 5.7.				
Wheels	Cost alloy 8J x 18 freet, 11J x 18 rear				
Tires	225/40 ZR18 freet, 295/30 ZR18 rear				
Transmission					
Drivetrain	All-wheel drive	6-speed manu	al transmission or optional 5-speed Tiptronic 5 dual mode transmission		
Gear Ratio		Manual	Tiptreeic S		
	1st gear	3.82	3.59		
	2nd gear 3rd year	2.05	2.19 1.41		
	4th gear	1.12	1.41		
	5th gear	0.92	0.83		
	6th pear	0.75			
	Final Drive	3.44/3.44	2.88/2.89		
	(front/rear)				
Safety					
Active	Bosch ABS 5.2	, intelligent all-	wheel drive, Porsche Stability Management (PSM)		
Passive	Dual front and side air bags, front and rear deformation zones, side-guard door beams, seat belt pretensioners and load limiters, IB-Xenon headlights, exterior/interior alarms, and central locking				

Weights and Dimensions	Coupe				Cabriol	et			
Curb Weight	3,505 lbs 3,594 lbs With Tiptronic S				3,660 lbs 3,748 lbs With Tiptronic S				
Weight Distribution %	39% Free	39% Front/61% Rear				39% Freet/61% Rear			
Length	175.8 in (4465 mm)				175.8 in (4465 mm)				
Width	72.1 in (1830 mm)				72.1 in (1830 mm)				
Height	51.0 in (1295 mm)				51.0 in (1295 mm)				
Wheebase	92.5 in (2350 mm)				92.5 in (2350 mm)				
Track	58.0 in (1472 mm) front, 60.2 (1528 mm) rear			58.0 in (1472 mm) front, 60.2 (1528 mm) rear					
Fuel Tank Capacity	16.6 gal (63 liters)				16.6 gal (63 liters)				
Cargo area volume	3.5 cubic feet (100 liter) trunk				3.5 cubic feet (100 liter) trunk				
Performance									
0.62 mph 0.100 mph	Manual:	4.2 sec 9.3 sec	Tiptronic S:	4.8 sec 10.4 sec	Manualt	4.3 sec 9.5 sec	Tiptronic S:	4.9 sec 10.7 sec	
Top Track Speed	Manualt	189 mph	Tiptronic S:	185 mph	Manual:	189 mph	Tiptronic S:	185 mph	
Fuel Economy (city/highway) EPA Estimate	Manualt	15/22 mpg	Tiptronic S:	15/22 mpg	Manual:	15/22 mpg	Tiptreeic S:	15/22 mp	
Warranty									

## **Exterior Equipment**

Body		Cabrio	
Power-operated sliding steel surroof with air deflector, tilt function and one-touch operation			
Automatically controlled rear spoiler	5		
Carrera fixed rear spoiler	0	0	
Dual stainless steel exhaust pipes		0	
Air intakes in rear wheel fenders		5	
Flared rocker panels	5	5	
Aerokit Front section with integrated spoiler, side skirts, and rear spoiler with integrated brake light	0		
Roof Transport System	0		
Performance			
Turbo Power kit (444 hp SAE)	0	0	
Power Plus package Persche Ceramic Composite Brakes (PCCB). Turbo Power kit, 18" Sport Techno wheels, stainless steel enklast pipes and sport steering wheel.	0	0	
Sport chassis (lowered, with more rigidly funed springs and shock absorbers)	5	5	
6-speed manual transmission			
Tiptronic S transmission		0	
Safety			
Porsche Stability Management System (PSM)	s		
Dual front and side airbags (POSIP) and side-impact protection beams	5	5	
Parking Assist System	0		
Bi-Xenon headlights with dynamic leveling and headlight washers		5	
Auto-dimming driver's side and rearview mirrors with rain sensing windshield wipers			
Heated windshield washer nozzles	5		
Rear window wiper	5		
Porsche Ceramic Composite Brakes (PCCB)		0	
Wheels			
18" Turbo hollow spoke light alloy wheels		s	
18" Sport Techno monobloc light alloy wheels		0	
Wheels in exterior body color		0	
Wheel center caps with monochrome Porsche Crest	5		
Wheel center caps with colored Porsche Crest			

s = standard feature o = optional feature

## **Interior Equipment**

Comfort and Convenience	Coupe	Cabric
Fully automatic climate control with carbon filter		
Burninated vanity mirrors	5	
Power windows with one-touch up/down and anti-jam feature	5	
Three-spoke leather covered steering wheel with colored Porsche crest	5	5
Leather-covered gear knob, handbrake grip and door handle	5	
Remote release for trunk and engine lid		
Lockable glovebox and storage compartment behind handbrake lever	5	
CD shelf in center console		
Integrated dual cupholders	5	5
Folding rear seat backrests and storage shelf behind rear seats	5	5
Seats/interior in full leather includes seats, dashboard, isotrument hump, door brim, seat bases A/B pillars, gear shift lever boot, inch and hardscribe handle	,	•
Seats in soft look leather with ruffled seat centers	0	0
Sport seats in full leather (manual adjustment)	0	0
Power seats Front seats with power height, length and backrest adjustment, driver's side memory function and Bit-down of passenger side restriese mirror in reverse grow		
Power driver's seat lumbar support	0	
Power passenger's seat lumbar support	0	
Heated front seats	0	
Lowered seats (10mm)	0	
Electronics		
Bose Sound System with 12 speakers (11 speakers on Cabriolet), AM/FM radio and CD player (Digital)	5	5
Remote 6-disc CD changer	0	0
Multi-function trip computer	5	5
Porsche Communication Management (PCM) Information and Navigation System CD-ROM, 5.8" screen, 2 tuners, GPS navigation module, trip computer	5	8
Safety		
Central locking with remote control		. 5
Anti-theft system with immobilizer, interior sensor and remote control	5	5
Front seat belt pretensioners with belt-force limiter	5	5
Colored seat belts (Guards Red, Speed Yellow, or Maritime Blue)		0
Footwell lighting		0

## Interior Equipment (cont'd)

Exclusive™	Coupe	Cabrio	
A/B Pillar and roof liner in leather interior color		0	
Door sill with model insignia in Stainless Steel or Carbon Fiber	0	0	
Dome lamp cover in leather	0	0	
Floor mats in interior color with Porsche lettering Black, Bosster Red, Cinsanon Brown, Graphite Gery, Metropol Blue, Natural Brown, Natural Cere, Highrite Green, Savanna Beige	0	0	
Front console in interior leather	0	0	
Gear shift or Tiptronic knob and handbrake grip in special finish Carbon/Numinum/Leather, Leather/Numinum, Dark or Light Burr Maple/Numinum/Leather	0	0	
Inner sill parts and trunk release in leather	0	0	
Instrument dials painted in special finish Aluminum or interior color	0	0	
Interior features covered in deviating color Alcantars roof liner, carge, front and rear seats, seat inserts, upper dashboard, lower dishboard, instrument hump, and steering wheel. (Must be ordered separately.)	0	0	
Leather sun visors with lighted mirror	0	0	
Porsche crest embossed in headrest of seats	0	0	
Rear center console in special finish Carbon, Leather, Dark or Light Burr Maple, Painted Exterior Color, or Aluminum-Look	0	0	
Carpet and stitching in deviating color	0	0	
Seat adjustment knobs in leather	0	0	
Sport seat backs in special finish (interior leather or exterior color)	0	0	
Steering Column covered in interior leather	0	0	
Three spoke steering wheel in special finish Leather (black standard, Carbon/Leather, Dark or Light Burr Maple/Leather, Aluminum-Look/Leather	0	0	
Tiptronic shifter and handbrake grip in special finish Aluminum, Carbon/Aluminum/Leather, Leather/Aluminum, Dark or Light Blarr Maple/Aluminum/Leather	0	0	
Packages			
Aluminum-Look (Large and Small)	0	0	
Carbon Fiber (Large and Small)	0	0	
Dark Burr Maple (Large and Small)		0	
Light Burr Maple (Large and Small)	0	0	
Leather (Large and Small)		0	

s = standard feature o = optional feature

