

THE **PORSCHE** MAGAZINE

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REVEALED: SINGER'S NEW ERA

Turbo Study

FIRST LOOK AND KEY DETAILS ON SINGER
VEHICLE DESIGN'S SENSATIONAL NEW







GRANT LARSON

The man who gave us th 997 talks to Total 91

SPORTOMATIC

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Porsche's first attempt at an automatic transmissi reviewed. Can this '70s tech still entertain today?



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Welcome

here's no doubt about it - Singer Vehicle Design's latest creation is nothing short of sensational. The Turbo Study which the company is calling its third act, brings turbocharger technology to its primagined road vehicles for the first time, itself an interesting proposition considering most 'purists' believe the ultimate in driving fun lies with atmospheric engines. I'm sure the Turbo Study will Clearly, it's been a busy and, at times, challenging year at

Sincer since founder Rob Dickinson kindly took the prins as guest editor for Total 90's special 200th edition in lanuary 2021. Back then, Rob told us that "turbocharging is very much in our future," as plans were clearly afoot for this Turbo Study development.

Alongside this, the company has had to deal with tough economic and supply problems as the world has grappled with the fallout of COVID-19, as well as Brexit, which has had a direct impact on production of its UK-based DLS programme. After

"Singer Vehicle Design's latest creation is nothing short of sensational"

tasking Williams Advanced Engineering and then Multimatic with assembly of its DLS cars, Singer has now taken this inhouse, thanks to the construction of a stunning facility in the heart of the UK's 'Motorsport Valley' with a host of ex-Mclaren employees joining the team. Meanwhile, in the US Singer has finally moved into a much larger facility to continue production of its Classic programme vehicles, and is in the midst of a big recruitment drive. Dozens of jobs are available at its new facility to Torrance, CA, if you're interested. My fellow padeast en-host Andy Brookes and I had a

fiscinatine chat with both Rob and Max Envay. Singer's CEO. for a recent 9WFRKS Radio enisode (check it out via your preferred podcast platform) about these developments, which makes the Turbo Study's release all the more remarkable. That it comes in the midst of such upheaval and growth behind the scenes is truly amazing. Singer is promising more soon, and off the back of this latest study, we can't wait to see - nor guess which 964-based avenue the company is set to explore next.



LEE SIBLEY . Editor at large Et lee shlevitti turrort com

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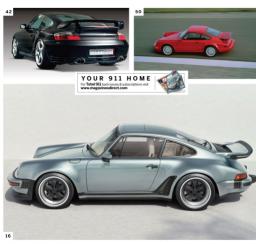
187ga FOAG (Trip)

Willhelm Lutjeharms indulges in some classic, fresh-air motoring, slone South Africa's Western Cace in an early Porsche 9tt Targa













Update Latest news, key dates, star products & race results from the world of Porsche



As Porsche Design turns 50, Stuttgart's Porsche Museum commemorates the occasion with an eye-catching display

Last issue we announced the 91 Edition SOY Porsche Design. This is a limited edition 992 created to mark the 50th anniversary of Persche Design – the creative agency founded in 1972 by 8utz Proxice and his brother Hans-Peter. Further celebrations to mark the agency's spicled anniversary are taking place at the Persche Museum in Stuttgart, where a special embition charts its history, and runs until 10 July.

From its design offices in 2011 am See, Berlin, Luckingsburg, Lox Angeles and Shrangha, Porsche Design has but up a reputation for creating highquality products including watches, sunglasses, lagoge and leather goods. Collaborations with internationally recognised consumer goods brands, household appliance makers and industrial glants such as Elan, KEF, LaCie, Morita and Panasonic have been profile over the years.

Five decades of work from Porsche Design are now on display at Porscheplatz I. showcasing how the lifestyle brand has become famous for its functional yet ours design aesthetic. As well as various exhibits, visitors will be able to enjoy a presentation of the life and work of FA. Porsche, his design philosophy and the impact of his creative influence. Taking centre stage in the exhibition's display cabinets are two different versions of the miscatone Chronograph 1 timeplace: the 1972 Limited Edition Chronograph 1 and the 911 Edition 50 Porsche Design variant.

Further instantly recognisable Porsche Design classics or display include PS488 water sunglasses, the PS522 cellphone and PS631 to thosecopies Or Course, no Pirsche Mussem exhibition would be complete without cars and this one in an different it features whiches that FA. Pirsche either created or come from his private collection. Among them is a 904 Certars GTS, a. 993 Speedster and a 1979; 1915; 24 Targa restored by Porsche Oscias, toughter with a 952 Edition 507.

Porsche Design – one of only 750 being built.

The Porsche Museum is open from Tuesdays to Sundays, 9am to 6pm. For further information visit www.porsche.com/museum.



New must-have book for enthusiasts

Porsche 964: The Book 1989-1994 takes a deep dive into the iconic third-generation Porsche 9II

into the iconic third-generation Porsche 911

This is the definitive tome for Porsche enthusiasts dedicated to the 964

generation 911. The latest high-end publication from Borlin Motor Rooks

will immore you in fascinating facts and figures on the most celebrated generation of Possche's 011 sports or and is a 164a 1911 feverite. Possche 954: The Book 1959-1954 contains unpublished photographs from the Possch Activise included by other of the 954's development of the William 1959 of the 1959-1954 contains unpublished the Webssch in the 1950s. You'll be able to pore over every facet of the 954's between the contains of the 1950s. You'll be able to pore over every facet of the 954's between the contains of the 1950s. You'll be able to pore over every facet of the 954's between the contains of the 1950s. You'll be able to pore over every facet of the 954's between the 1950s. You'll be able to pore over every facet of the 954's between the 1950s.

book, with extensive, enhanctive information supplied on even issue-shown models and prototypes, including the externely rare 964 Clubsport. As well as being an ideal resource. Proche 964 — which is printed on high quality paper and housed in a thick signose—provides detailed purcharing advice and price trends, to give you the fullest picture of the 964 and what gives into running one.

and what goes into running one.

Limited to – appropriately enough – just 1.994 copies, Porsche 964 is available from www.berlinmotorbooks.de and is priced at 99 Euros.



LMDh prototype starts testing

Porsche's LMDh prototype – its next Le Mans challenger – takes to the track



Testing of the latest Porsche endurance caser, designed for the new LMDh prototype racing category, has begun. The new challenger will start racing in 2023 and aims to win the world's biggest FIA WEC World Endurance Championship races, such as the 24 Hours of Le Mars, Daytona and Sebring. Froine negulations for

the LMDn category provide freedom in terms of displacement, design and number of cylinders. However, rest are capped at 10,000 pm and drive-by notice can't exceed 110 decibels. The Porsiche hybrid matchine is fittled with a large-capacity twin furbo VS engine that runs on renewable lasts. Some of its other parts are supplied by Williams Advanced Engineering Catetry. Xtrac (transmission) and Bosch (motor-generator unit and electronics). In roce frim the behind rishe water mondries amount 680PS (500) Will.

Porsche enhances its in-car PCM system

The addition of new features to Porsche's infotainment software make it more versatile, intuitive and intelligent



Communication Management (PCM) software boasts a reft of new functions. The most apparent alteration is a revised interface that makes use of coloured icons. Yet perhaps the most noteworthy change is in music streaming functionality. Streaming service Spothy is now integrated into the PCM.

Version 6.0 of Porsche

Drivers can link their account to the vehicle using their Porsche ID and use Spotify without the need for a smartphone – all required data is included in Porsche Connect. Elsewhere, improved Voice Pilot assistance misses it easier to access several functions including news, the operating manual and in-car music, and there's an option for wireless Android Auto connectification.

to access several incoors mouoring news, the operating manual and in-comusic, and there's an option for wireless Android Auto connectivity. The PCM's new functions are standard as of now on every newly configured floreche 911 model.

News in Brief

Porsche Esports
Carrera Cup GB return
Porsche Esports Carrera Cup
GB, the virtual Maniproschip for
professional sum racers, is back
for 2022 on the Blacing stafform.
Twerty six of the Estader cacers
qualified for the Bi-race season,
which russ until May. Viewers can
worth of the action — complete
with professional commentary—



Porsche Design Book marks golden anniversary if you can't make it is Stuffgart's Prouche Museum to explore 50 years of Prouche Museum to explore 50 years of Prouche Design, this book is the nest best thing, it focuses on Butte Posteria and reduction except thom interviews, memory and reduction comptition in the stuff of the school of the stuffy of the school of the school of the school and the ship is buttery of the school of the sc





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Views Frenched



Dwindling 964 numbers

Dans Ci

I've read of rumours online regarding Singer releasing a new model line, this time a Turbo. Incredibly, this looks set to still be based on a 964 [Tom's email was submitted prior to news breaking on Singer's new "Turbo Study"].

Where does the company expect to keep finding these 964s? Compand to other generations, the 964 had junior production numbers from the get-go. Take into consideration cars that have been written off, converted by Singer, converted by other companies trying to copy Singer... It doesn't leave the enthusias with a let to other with.

A decade ago a 954 could be had for less than 20000. Folky a popel, manual C2 coupe is pushing 2100,000, and it only looks set to get werse. Enthusiasts who wish to reside their dreams of owning one of these cars can't do so, and those who do own 354 are now more refresh than every the ordinary of the set o

It's a very good point, Tom, and a sentiment that's widely shared. The reality is Singer doesn't need to care where these 964s come from: with a two- to three-year waiting list for even a Classic restoration, many customers put their name down, pay their deposit, then go and find a donor car. This is because it's the customer's responsibility to bring the 964 to Singer first.

Perhaps as a result, we at Total 911 have heard of a 964 RS from the Middle East being used as a base car for a Singer restoration that again, is a result of the action of the customer and not the company.

It's a Catch 22 situation: from the outset these high-end restorations breathed new life into an unloved generation of 911. Many years and a hell of a lot of investment later, Singer's cars have gone stratospheric, but the 964 has also rocketed to the most desirable 911. I guess that we as enthusiasts can't have our cake and eat it.







991.1 GT3 article

Dear Sir

Thank you for the excellent article on the 991.1GT3 engine issue and hopefully it'll give reascurance to anyone contemplating burjng a GT3. When my engine was replaced under the warranty, Persche Guildford was excellent and I have the G series engine. I've had two separate mechanics tell me it's essentially the RS engine in 3.8 guise and it definitely feels a if there's more foruse across the definitely feels as if there's more foruse across the mid-range than the original. Has anyone put the new engine on the dyno? James Wyatt

We're glad you enjoyed the feature, James. We're not aware of anybody who's dyno'd their 991.1 GT3. If they have, please get in touch. Don't forget that Porsche is known for underquoting its performance figures...



Ask the exper

Porsche technician? Email us editorial@total911.cor



Gardner
Job title
Technical dire
Bahnsport
Porsche
experience

The 992 Carrera derivatives seem to be popular and have held their value nicely since launch, but what are the known mechanical greenisms to have surfaced in the three were since launch?

At care how their riggies or 'common' insist,' and the 900 Jan of them. The first model pair and the 900 Jan of them. The first model pair and the 900 Jan of them. The first model pair and the pair an

failure, as is the PDK razon-style selector, which can suffer from cracks in the plastic housing. These are mostly the 2009 model year vehicles. Engine and gearboars are excellent, a are the suspension and braking systems. But I would advise extending your warranty if you have an early recumple.



Power measurements

Dear Sir.

My son is a big fan of Porsche sports cars, and recently purchased issue 213 of Total 911 ("GTS vs Rivals" on the cover), and he found a mistake on page 83, which is the horsepower figure for the 992 Turbo S.

On Porsche's website the figure is listed as 650PS, while your magazine says 640hp. This is for your kind information. Jamal Qafisheh The 650PS as quated by Porsche refers to the 992 Turbo S's metric horsepower. This converts to 640 mechanical horsepower (hp), which is what we at 76x4 921 like to quote in our power figures to ensure continuity from the measurement style used for classic cars. You've raised an interesting issue that could be worthy of a feature: looking at the different power measurements and how they're calculated.

Spare issues?

Dear Sir, I'm making space, so if you get

any requests for back issues feel free to pass on my email address.

I have most issues from 152 onwards and would be happy to help – although from the page on to those with 996 content.

I'm trying to hang on to those with 996 content. Colin Lowdon

We'll gladly print this, Colin, as you may well come to the rescue of other Total 911 readers wishing to fill gaps in their collection. Of course if you're after an issue from the previous six months and would like a fresh new copy (or indeed a digital version!), readers can also order from wew.magazinesdirect.com and have the issues delivered to their door. Don't forget, if one subscribes, you'll never miss an issue.





GUEST COLUMN



Upgrading your driving engagement

With an engineering background and previous career in Formula One, performance driver coach Neil Furber reveals his blend of driving tips and vehicle technology explanations to help you get more from your rear-engined machine

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spend even just new minutes with a ope-seed driving coach and almost anjood will find that there's more to be gained by furing the driver than by almost any modification or dealer-fitted upgrade. With this in mind, I thought that Total 911 readers may appreciate the Inside track on the secret weapons that can unlock maximum value from any personal furing you may choose to undertake.

Women into the infanous common innovaledies surrounding with makes a good driver, we hear things like reactions and natural sizerit. While they begy their part. If mere to led just that they're for less referent than you may have been led to believe. Experience, concentration, soat them and yessight are for more significant factions contributing to a driver's performance. And yet there's one things that's more important than anything also — the socret weepon. Engagement.

in our digital age, many budding drivers desire a "innoselegie download" chieved by typing into the expert's brain. Sadily, this sin't possible – yet! The next best thing is a blend of reading, watching, listening and atting diorigide the prox. Then plenty of practice. Some incur cost, some do not. What if in giving you here is the inside tack on how to spaceae more from these resources so that, in turn you can extract more from your unequincally capable can.

Although engagement can refer to the one-way sensations a sports car delivers to you, I'm talking about a much broader experience. True engagement



is a two-way, multi-faceted and all-encompassing existence. Let me explain.

The first and arguably crucial step to truly

aggrading our division is considered by our difficults, and provided by the considered by the state of the s

The brain forms habits to enable you to do more complex things. Shortcuts: Auto-pilot. But if you're going to have habits, why not make them excellent habits? You won't win in motorsport with inferior pit-stops and a sub-standard selay just because you've always done it that way. Motorsport (and F1 in particulary) is all about seeking excellence — continued incremental improvement, no matthe has small.

If you engage with your driving in this manner, you can unlock so much more from any resource. Ask yourself questions: why did that happen when I did that? How can I simplify my actions and make things easier for myself? Is the car trying to tell me something here? I think you get the picture. I can't give you the entire download that you may seek, but I can point you in a couple of directions.

Next time you're in the car have a think about why your seat, steeing wheal and mirrors are where they are. Can any of this be improved? Approaching any bench have you thought about your road position, the car's entiry speed, what gains you it using, your ging levels, any hazards or your sheering technique? When you turn the wheal on what can you feel from the tyre?! Here's a top tip: relax your gip on the steering wheel and slow things down.

To summarise, true engagement is more than how the car makes you feel. It's two-vey communication with the car you endernment and other drivers. The more ways through which you can communicate and list observations, thoughts and decisions, the better equipped you'll be to take any driver development to the nest level. The goal, then, is to retrain habits and thirk your way to your best driving.

You can find more information on Neil and his driving services by visiting drive?tenths.com.



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Study Wittenly Ben Barry Photography couring Singer Weblic Design







ob Dickimon, founder of the Californio-based Super Vehicle Design, will encounters his under the Design, will encounters his use the Design, will encounter a be the Design of the Desig

that point was only a year old.

Goodness knows what the young Rob would

Goodness knows what the young Rob would

make of the Turbo Study that his older self has just

unleashed on the world. Rather incredibly, this is the
finet time he's worlded Singer's magic on a road going

turbochraged 9fl (the turbochraged A/CS is for offroad competition), and its 'third act' following the

Classic series and DfS models.

"The DLS project took the normally aspirated air-cooled engine to list natural apoge, and now I think the time is right to move to the other aspect that's ymore moes with Presche, the turbo engine, and celebrate arguably the most important 9II in Possche's heritage," says Rob.

"Bis a cer that was incredibly meaningful for me as a child. For many it was the pin-up of the era, and this also represents a chance to really focus on an ionic model (the 'Classic' focuses on an era] and pour as much lose on to it as possible. We've had a lot of interest from clients for a number of years and we've been working on this project for two years... if's very exiting.

Is very cucumg.

Taking that seminal 990 Turbo as inspiration, the Turbo Study subjects the period 911 to Singer's painstaking attention to detail that abusys seems undersold by the rather slopkish-sounding restorned tag, and stretches the Singer formula towards road-focused GT confort.

focused GT comfort.

"Our study very much presents the Turbo in the way Porsche did in 1975; as a super-refined, luxury, top of the range, grand touring supercar," explains Rob. "This is our vision of the 930 Turbo, but turned up to IL"

Like the original, the Turbo Study keatures a turbochraged, air-cooked this sic, manual guarbo and area-wheel drive byout, locoic details including a whateful rear spoiler, full-width rear light but, Fuchs alloys, shark fin rear-wheel and spots and engogaed near track are all present and correct, but the muscle is esuggested, the detail crisper. It's like twisting a camera's koen: fart to make every mance pin-sharm,

Yet like everything Singer works its magle on, what appears to be a relatively simple if beautifully secured concept on the surface becomes more complex the deeper you dig. As Rob puts it, "Everything's been touched, but at the same time it

has to feel sincere to the original 930. This isn't, for instance, a 1975-1989 Porsche 930 Turbo, Instead, the Turbo Study sticks with Singer's preferred and later 964 foundations. The logic is that these encrossor models, modered from 1989 to 1994. were the last to retain the classic 90 shape. They still feature the air-cooled flat six and trailing arm near suspension, but are an altogether more modern proposition courtesy of coil-serung suspension. power steering. ABS and optional all-wheel drive (an option not ticked by this particular owner, if offered by Singer to its clients since 2014). And Singer, of course, has already invested heavily in bringing the 964 formula up to date. It's understandable (and fitting given Porsche's preference for doing the same) that the company should build on its 12 wars of expertise from its HO in the city of Torrance.

Before his seminal possenger ride, by coincidence British-born Rob spotted a 911 Turbo parded outside a pub in his native Newvich, this time finished in white. The aesthetics stopped him in his tracks: 'It was fascinating to me how the 911 had become this lamen-pianed, extended rubbery thing with impact bumpers, where before it was a skender-hipped, chrome durated delicate little thing. I was strack 'S



by how gratuitously pornographic it was, the sheer audacity of it. For II-year-old me, Porsche became synonymous with beautifully moulded black rubber."

system in the contract of the

Then there are the details again, including—yes even the strangely alluring rubber with its striking 30 definition, which works wonderfully with the sortinblack wheel centres and Michelin rubber stretched over the burnels of the wheels. Frankly, it's Bo Derek in sorbs over

in scuba gear.

The piercing headlights are obviously modern reinterpretations of the original, but so too are the tail lights and full-width rear light but, despite a factory appearance. Fuchs-style wheels shod with Michelin Pilot Sover 1-5 or Cur 2 two steeps un from

Singer's regulation II inchers to 18s shared with the DLS, with the dish on the rears like a giant humser wheel, "bite outdargate the bodywork of the 93th the wheel arches in particular, made promises the wheels couldn't keep," says 80sh, "We've tried to fix that." The 18s, in turn, cushle Singer to run larger brakes – in this case Brembo calipers gripping cross-drilled carbon-cormic form.

careon ceramic acce.

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Study's forced induction loop is cooled. Taibro

Study's forced induction loop is cooled. Taibro

Study's forced induction loop is cooled. Taibro

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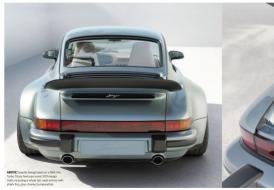
like a chost fector. Whe were cager to present and

only whiteful litter appoint place are it is one of the

most gregories pieces or scarginic. Sops rate.

Look corefully at the near shark fin graphic and youll notice that while it faithfully choese the original – intended simply to prevent stone chips striking the vulnerable near arches – it also incorporates a large air wort to feed cooling air to the entities fundation. Bole recess this was almost ©













part of the plan rather than a neat solution stumbled on later in development, "We really wanted to think about how it was cooled and turbocharged," he says. Lift the year decklid and the engine box looks

more HG Wells than Hans Messer with a carbon fibre fan shroud and cleanliness to shame an operating theatre. The lump itself is a 964-based 38-litre turbocharged engine, rebuilt and blueprinted by Porsche Motorsport North America from its base at the Porsche Experience Center in Los Angeles. and also using Porsche Motorsport parts (although it's completely unrelated to the unit in Singer's ACS - its first venture into the world of forced induction). This time, the twin-turbecharged setup borrows BorgWarner blowers with electrically controlled wastegates from today's 992 Carrera range.

However, one thing is missing: the intercooler, particularly the one that perched atop the 950 3.3-litru model. "We wanted to avoid being faced with a big ugly intercooler when you opened the decklid," says Rob. "You never wally got to see a 930 Turbo engine. The intercooler obliterated it, even if it did have a kind of brutish charm."

Singer's CEO Mazen Fawaz says the intercoolers are "actually in the intake plenum, above the throttle bodies", explaining the neater look of these air-towater chillers (original 930s used air-to-air cooling). Oil circulating round the engine, meanwhile, is also cooled by a water-to-oil heat exchanger, helping to manage the greater thermal loads of an engine more powerful than the original 260-300bhp 930s.

Power outputs are tailored to each customer, but quoted as "starting from" 450bhp. Drive is taken to the rear wheels via a six-speed manual gearbox. although Singer is still debuting whether that should be an off-the-shelf Pursche transmission or a bestroke unit. The idea is to excate a factory feel, not inst chase headlines and 0-60mph times. 'Anyone can hot-rod a turbo engine, but does it

feel hot-rodded, or does it feel like it was born that was? sake Mozon rhotorically "The baset is relatively low because the cur is meant to be refined not bear. We took the turbos from the 992 Camera because they're onite compact and a nice, clever reachase with the catalyst. It's a two-valve air-cooled lump but we've added things like modern bearings and software to that relatively old system - it's a very cool

combination, and not at all like a modern car. All-wheel drive is optional, traction control a standard-fit comfort blanket, but for now a six-speed montral transmission is standard - though Mazen admits that PDK is "a discussion" and doesn't entirely rule it out

The ride height and suspension is tuned for highway cruising - if still with an underlying sporting focus - and Mazen is at poins to point out that while the trailing arm rear suspension does channel road noise into the cabin, the feel of that setup is part of the essence of these pre-1990s 9lls. Besides, Singer has worked hard on dialling down NVH (noise, vibration and harshness) with modern bushings bearings and sound-proofing, while additional

adjustability of components and modern damping adds to the plusher refinement

It's certainly refined when you open the driver's door, with a feel that again riffs deferentially on the 930 Turbo, including its fluted door cards, the classic five-gauge dash brout, heated and electrically adjustable Sports seats with integrated headrests and figure-hugging bolsters, but again the execution takes the 1970s theme to another level entirely. The urshalatery is besutiful Malibu cond leather trim with restrained Black Forest wood trim inserts, the netro dials reimagined with a striking modern clarity Elsewhere, there's a new twist on the three-spoke steering wheel large speaker grilles integrated in faithful reimaginings of the original door cards and centre console, and even a wireless smartphone charger that's positioned just ahead of the gear stick.

Rob is delighted with how Singer's latest endeavour has turned out, particularly because the original tugged so profoundly at his heart strings. "I believe the Turbo Study is a fitting tribute to a car that changed my life, and many others," he says. It seems the "many others" with the necessary means agree, and Singer reveals that 70 orders have been placed so far for bespoke commissions based around the Turbo Study theme

Most of us can only dream, but we'll be able to see the Turbo Study up close and in action at the Goodwood Festival of Speed, held on 23-26 lune. 2022. No doubt a few II-year-old kids will never be quite the same again. 910



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They're a real talking point," says Phillip. Roby discussing the merits of the Sportomatic transmission. A talking point today as it was when Porsche introduced the Sportomatic in August 1967 The reception from the motoring press

wasn't overly favourable though Oddly. enough given the marketplace's desire for automatic transmissions, it was the US publications that were most critical. Gar and Driver derided it as a "funny name, but the transmission is a funny transmission". noting that the Sportomatic isn't a conventional sutematic transmission incommely us it describ actually change gears itself.

The reception elsewhere was more favourable Auto Motor and Sport found it to be advantageous for "shift hopey" driving. Autoour praised it while conceding other's criticisms: "Rarely have we been quite so unanimous in our acceptance of a road test car and ready too how we discussed so much with some of our contemporaries." Even Ferry Porsche would have reservations, saving "If you make a sports car with an automatic transmission, there's part of your clientele that says, 'that's not a sports car."

Divisive then, but like the Tiptronic and PDK

was productable. Being a Parsche, its early solution for easing the burden of busy traffic for its urbanbased customers was a half way house solution. You still shifted the gears, but did so without having to use a clotch - or rather use a clotch mobil. The Sportomatic might have unget some of the press and some customers, but its introduction undoubtedly brought the 90 to a wider audience. When you're in the business of selling cars, and increasingly reliant

on sales in the USA, this was no bad thing Porsche's novel and unusual clutchless manual solution was as much a result of the need for an 'automatic' as it was the difficulty in finding a transmission that would work with a high revvine six-cylinder engine. The company had experimented with various solutions with the 356 - borrowing technology from Volkswagen to do so - but the a hadronic toward consertor. The clotch remained but it was operated automatically by a vacuum serva motor similled via microscritches that were linked to the ovarlever. The thrubbed was replaced by the three-element toruse convertor, enabling the car to





























need to cope with the conventional pressures and heet of a traditional manual transmission. Naturally, the result of this inside the car is no check pedal, Instead, there's just an accelerator and a brake pedal, with the latter having a larger surface area than a traditional three-pedal manual 9II.

As with almost every Newche technological immonition or immodulation, the Sportmannic was prosen on the next track, with Proche choosing the greatling Materials do le Biotec, beld at the Nathungtine on 27-30 August, 2001. The 4th haur conductance event at the observed Neil and Fill with the conductance event at the observed Neil and Fill with the conductance event are desired to eat the conductance event and event of the observed Neil and Fill with the technologies of the Conductance of the Conductance

name Porsche System Engineering: a 20-litre 9II with a manual transmission; a 9IIS with a Sportomatic transmission; and a 9IIR also featuring the Sportomatic. Each Porsche had their engines 'nilly tuned' to 178tp.

The regular '91 would crash out, such villings in their and triple lived furner near winner Googne-Berger, but the two Spottenentic care continued the near. The #IIR Spottenentic tool and neth local control for the state of the state of the state of dispring back with mechanical issues, allowing the winger issues. That '911's Spottenentic is desired by their ferritament Jacken-Serpende and Vie Eilstein's would are take the local family winning the grantling 84 bear teacher the local family winning the grantling 84 bear near bring owners 250° byte, or 468 miles with an exact brank dospite. For admining, 'We don't drow near. That dospite for admining, 'We don't drow constantly on the link.' We find of those it in set The Sportomatic's reliability, now confirmed on tracks, meant the two pedal 911 would become a road-going reality. The relatively simple yet novel two-pedal system, or 'selective automatic transmission', started production in fully 100' with A-Series 918. The Sportomatic required additional attachment lugs to be fixed to their engines and was offered on the 'T' and 'I' models.

Despite some nesercations by US, publications, as many as 25 per cent of 70 tales would feature the Sportmant. Although to early success would feature in 1570, with reaspit miles with successive and the 1570. With reaspit relies increasing as Provede upped power and tongue the 90 tass specied to a 350-day tale of 150 the 275 tenges was considered sufficient for effect speeck, Sportmant was finally surfaced in 150 the 275 tenges was considered sufficient for effect speeck, Sportmant was finally surfaced in 150 the 71 the 7

Teday, I care little what transmission is in the beautiful 9IIT that is a Philip Buby's showncom. A P7I model, delivered to its first owner ar Grand Ruplek, USA, it hools sensational in its Burgundy 2243 point and black leatherist inserior. The car was optioned with Comfort Equipment, including a leather steering wheel, instruments and oil tank and like the 9IBs, but S5625-inch chrome wheels and a timed windscreen, it relieds off the production line on 110 Exercises.

Arriving in the UK in 2013, it's been immaculately restored, including a bore metal respons, and a full engine and transmission rebuild. It looks just like it did when it was presented to its original owner in the US. It feels it, too, and getting in you don't immediately motice that it's a Sportomatic, Deschek-E-



semi-automatic presents the ultimate subterfinewith the ovarlever appearing identical to that of a conventional manual 911

It's only when you look at the gearknob's lettering that you realise something's different. The lack of a clutch pedal confirms your findings. That gearknob reads L. D. DS and D4, with P and Reverse also offered. To start the car the Sportomatic has to be in Park Reverse is beneath that with L. D. DS and D4. taking the positions where vould expect to find first. second, third and fourth, Porsche suggested that D was the gear to be used when moving away under normal conditions, with L (for Low) best reserved for hill starting. That might have been Porsche's advice, but when performance was tested by Car and Driver it noted that when the quarter-mile test was done using I to start, it showed half a second off the overall time. The torque convertor shared the engine's oil supply - increasing the oil capacity by 2.3-litres while the multiplying effect of the torque convertor enables the Sportomatic driver to pull away in any of the four available gears.

Performance and economy figures were broadly similar to the conventional manual 901s However, some contemporary tests saw 9IIL with Sportomatics able to rival a manual 9IIS around some tracks and hillclimbs. This supported the idea that the transmission worked better at higher peys, where the reduced need to shift gears could prove advantageous. Porsche's own press information at the time stated. 'The high efficiency of the hydraulic torque convertor, in conjunction with the fast gear shifts possible with the Sportomatic, enable almost the same road performance to be achieved as in a Porsche with a conventional clutch and gearbox. The

Sportomatic shows its superiority in heavy traffic when hill climbing and on icy mads, where accidental or uncontrolled jerking movements when gear shifting or surges in power at the year wheels can be quite dangerous

There's a hand throttle between the front seats. This makes it possible for the revs to be raised slightly to oversome the possibility of the Sportomatic stalling at lower new when manogenering It's a simple, effective transmission. It's not difficult to get your head around driving it; the gearshift moves easily through its gate, with a microswitch within it allowing the clutch to engage the next gear. As with a conventional manual, you do need to lift the scorlentor when doing so otherwise the engine trees rise but it's anick and exec to set into the shythm of it. You also have to remember not to either touch or hold onto the gearstick when not shifting. Doing so disengages the clutch, which is less than ideal.

It's a bit of a boon in traffic, which is very much the point. The D keeps it moving nicely, although you can feel the torque convertor working below 3000rpm, particularly when trying to take off briskly. It's not unlike the feeling of a clutch slipping slightly even though the clutch is fully engaged. Once above those new, it's quite eniorable. It's

different rather than difficult. And it gets better the harder you work both the gearstick and the engine. It's a transmission that functions best when you work it properly, which is a surprise to someone who counts themselves as something of a die-hard manual driver. It's a more appealing transmission than I'd anticipated, to the point that while I wouldn't necessarily seek out a Sportomatic transmission neither would I rule one out.

The benefits for some are difficult to ignore and if you're a town or city 90 driver then its positives annuably outweigh the negatives. As Raby says, it's definitely a talking point. And thunks to relatively small sales in the UK and a good number of Sportomatics having been converted to manual transmissions it's a rare car - one of historical significance and ornuine mechanical interest

Porsche's topically unusual solution is one that works, and one that actually works rather well. That 9IIR and the Marathon de la Route win gives it some motorsport credibility, too, should anyone question either its validity or your choice. SIII

Thanks

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Grant Larson

Across three glittering decades at Porsche, the American designer has given us the 986 Boxster, Carrera GT and the GT2 RS-derived 935 race car, as well as returning the 911 to a traditional look with the 997. The man himself talks to Total 911 about highlights from his career at Porsche...

Total 911: As a designer at such a powerhouse motoring company as Porsche — where you're inspired by tradition but not constrained by it — surely you must consider yourself to have one of the best jobs in the industry? Const Larser, Ther's a user good was of matter it.

If you look around the industry, every company has its own buzz words and at Porsche it's 'tradition' and 'innovation', which allows us to cover all grounds.

Your current role as head of Special Projects at Porsche enables you to be more creative than, say, mainline 911 production...

Generally it does, but it depends on the project. Of course, many of them have a lot to do with a traditional aspect, particularly with the 9ll. Lalways think of it this way: if you have fantastic history, you use it to your advantage.

That's what a lot of customers also expect, and so you must be careful how much you change – how far you take the 9fl, as an example. One customer once said, when we were working on the next generation of 9fl. Thort rain my car? Held already claimed it as his, and that shows the level of burden which is levied at you.

When you joined Porsche in 1989 from Audi, what sort of company did you walk into?

I spoke to friends in the industry who indicated there would be a lot of work to do, but by the time I arrived there was a lot of uncertainty in terms of which direction to go, a lot of management moves. But once all that had taken hold, it turned out to be the best decision of my life.

What were some of your initial tasks at Porsche as a rookie designer?

Projection & as Trodisc needspared.

As Trodisc needspared and course transaction are consistent and the state of a form on experimenting with transitioning the 944 into 3 Web.

This included work to the feet off the form with the roll of 1 labor worked on a 70% Blackster ball it, at of all places.

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there was a management change and in came Horst Marchart, who had the idea of a plotform share with the 986 and 996. At last there was light at the end of the tunnel!

The design of the Boxster can be described as your first 'big moment'. What was the process to bring a new concept to life in the early 1990s?

I was placed in a department for advanced despense I. was always peaking to bring different groups together from within the company—suspension, gearbox, body—as they all had their own advanced delact. I said we should put all these ideas together on a cur.

Souther direct was at the Tokyo Moore Stow in

1991. Looking around. I realized a lat of our risols were dising whom "o troncept" can be Procebe use not. We already knew at this point a new Procebe can coming for 1996, but we delift vature to have to wait the years to bring a fresh design to the public. So at 1896, a means was sent to the design office to put some ideas together for a above car. It was braced on some of the carly ideas of white we thought a Booster should be, and by its refease in 1991 is monitored the public to see what we talk in some. The production version of the Booster was then refined and released to the profile three years had not elected to the public three years had not seen to the public three years had not seen to the public three years had not seen to the public three years had not seen to the public three years had not seen the public three yea

You're credited with the 997's design, which took the 911 back to a more 'traditional' aesthetic. Where did this decision come from? That was my deing. Of course, you don't go through these things on your own – you communicate with

That was my doing. Of coarse, you don't go through these things on your own - you communicate with your boss and your team. To take it back a step, with the 950 we were pushing the conner with development costs, and Harm Lagany was also intent on doing something new. At Proche, the company had been making round beadfurnps since 1948. The Bosser adopted longer headfurnsp that incorporated other functions (such as turn signals and fig lights). These were more cost effective to manufacture

and so this was our contribution to helping the company survive at the time, by keeping our fingers on development costs. But there were a lot of compromises in terms of shut lines, for example.

With the 997 of 2005, we had a lot more time on our side, but we also had more development money. This embled us to refine the things you see immediately, but also the things you don't see immediately, like shut lines between panels. The car became more "Poesche-like".

Is it true that the 997 was essentially designed in the USA?

With both the 98° and 99°, we had the idde to start Harm Ligany's dream of a Californian design studio, like many companies had out there. We thought that was where our clienticle were there was a big market share there so let's go and design some Pursches. We did a test programme with the initial 98° and 99° studies, there create full—size models from skeech to a full size see chrough model in six months. We broaded them had to Germone and said

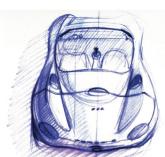
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Where does the Carrera GT fit into that? Well, around 2000, we took over a studio that

Samsung had started when it was initially going to produce cars. It was great because it was already kitted our and you could just walk in and start designing Pursches. The first project that Porsche



wanted to start was the Carrera GT, though at that time it was called SCM, or Sports Car Millennium. It was great for the studio. The responsibility

it was great nor the stands. In the responsibility of the studio was to push engineering services, so the whole business case of the studio in California was given to Dwoche engineering. That studio would design for some of the external contracts that Dwoche Engineering secured, whether if was GAL. Ford, boat manufacturers, they were really doing all lends of stuff. That was the California Design Studie, and they were doing that and had the Carrers CED to surd on too.

If had a good start with some super sketches and good likes, but then its suffered a little bit in the execution and some of the peakaging. The studie relief to likes in the engineers in terms of overhapses and the designs. Ruck in Germany, we were wardning and the designs. Ruck in Germany, we were wardning this and sold that they were spring yet for much. We came in and supported them and based on liston Hills original sketches we endful the whole car with their support and talent, and turks how that Carrers GT shows or come about.

You also helped with design development of the Sport Classic of 2010...

So in 2008, you get a project that comes from yourbres asking you to figure out who's going to do this project. The 91 Sport Classic had references to the past, so it was hunded to me to do because I liked Pursche's history it honesely took us all by supprise how successful it was. There was big support for that car by Alex Polisi who rous Sonderwunsch, the department that Bolf Sprenger initially started. The 9II Sport Classic was the restart into the limited production cars, or special editions. They started off with 290, so a low amount of cars, but it went really

well we proved that it was the right thing to da. Parallel or that, we were dring a 20% Speedster. It had nothing to do with the Exclusive gares were jast working on it and then for some reason it gar anced. We were about 80 per cent done with the development and they and it as a destroit see sying that we couldn't self enough. The Exclusive gars were distant though T. Hold can a minute, here's a cert that's almost ready to produce. Let's take over that and make it a limited man. That brought me closes to the Exclusive propriet such as Boris's Appenditude.

Then above came Matthia's Miller and

Wolfging Hatz and we restricted everything, With their input and experience from the VW groups, they pumped a lot more into the Advance Design and that's when I went into the Special Projects area and got to wark on cars such as the Turbo S Exclusive Series, the Booster Bengsyder and a lot of marketing editions for different countries like the one for Jacky leke, which was a cool car.

What was it like working on the new 935?

It was funny how that started. In our presentation hall at the time there was the early GT3 R, which was based on the 997. There was no design whatsoever: it just sat there in naked carbon fibre. It was part of some presentation for board members.

















So all these cars are set there and the one that stopped new such fine accur. Loosing that it actually suspid designed very well because there want a ke stopped new such place on the next cars at that time. Essentially, at the beginning of the project they had some takened people who were design some visual staff, but insurals the end of the project if you needed an extra block and you're out there at the text track, you're tay far a sow and cet if our and you would just measure the

I grabbed those gaps and said there was a lot more operated in case operated and cace are. Then when De Frank Seffen Walliser took over Motorsport. I bumped into him and sold him the same thing and he agreed. So we started working on some of the Mocroport care, the first one being the RSR. They used us in the stadio because this was the first RSR with the so-called eaging in front of the near ade, and they someted so know how fir we could take the car within the resultation.

So we did some studies and digital modelling and Frank really liked working with us, so we did what we could with that, and that was my first step into the Motorsport side of things. I then worked on the GT3 R, the current one, and the next one.

Memorhile, we always had these ideas about.

70 years of Poesche and what we could do Doe was called Mission? Which was when they called one of these unseen cars. It was a mid-engine cloupted coupe with a visible engine. The seed of '70 years of Poesche' was planted so Frank went to my boss, Michael Mauer, and asked for some ideas for it.

We frought that for the Mooreour idea of thise.

we could do it like a study. This would be a flat nose's hur nose's based on the early 955. It is thought that would be a nod klee, but I wasn't so sure you take the character, the eyes, of a 9ll and share them off... If just wasn't sure. However, I was mistaken because I think the car really took off. Once we got into it, the potential became more evident.

Our reference car for the 938 was the 1978 Moby Dick. I thought that if we're going to do this then we're going to do it loud and make a really dominant spoiler and extend the back in, and make it obvious that this was an homage to the Moby Dick. We didn't expect it to make such a big splash.

So we built this really nice model and pot it in the built and had a look at it and just thought. Woo? It was just something you don't see in our design studio that often. We then gut the go-ahead for it and overy step of the way. De Walliser did a very good job of selling it to the board of directors and then introduced it at ReunSport Reunion in 2008.

Which project do you consider to be your greatest legacy?

Every project is different, but the Bosster project played a very important role in the turnaround at Possche, and made Possche a company that was accessible for a lot of people.

However, the three coolest projects I was involved in were the Booster show car, the Carnera GT show car, which had a really interesting development story, and then the 935 project. And then, of course, the projects that I'm not allowed to talk about and you don't know about vet '5988.

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ELÉPHANT



A ferocious performer, the 996 GT2 is a blistering 911 that still flies relatively under the radar. Total 911 presents your complete guide to buying one Written by Kieron Fennelly Photography by Ali Cusic

HISTORY AND TEC

Porsche Turbos have an illustrious record in motorsport. The 934 and 935 dominated sports car racing in the 1970s and when Group C took over from Groups 4 and 5 in the 1980s. Prosche 956/969. Tueld the most until the

factory withdrew after six victorious seasons.

A new category, the BPR championship, revived
off roxing that had been in danger of fading out.
Once again, Porsche fielded a works model initially
based on the 994.68 – the RSR – but
for the 1995 season the factory
entered the GTZ class

with a turbocharged

racer based on

the new 993 Turbo, converted from all-wheel to rear drive. Some 240 road-going versions of the 993 GT2 were built

Despite 600thpt, the competition GT2s didn't achieve the dominance of their predecessors in the face of increasingly competitive midengine rivals. When the 996 replaced the 993, Weissach elected to switch its motorsport focus to the GT3 category. This had the advantage of being substantially chapper, which would attract more customers. It was also an imaginative way of mischanics arometities researce on the

much-reduced motorsport, severely pruned by Wedoking to pay for Cayerne development costs. After some brief testing at the Nubrusyring. Porsche knew that 9 996 GT2 wouldn't be first enough against more agile Forais or thundering soven- and eight-itter Convette Vigners. Series production of the 996 GT2 would moretheless gip alread because, as Prosche put it, horsepower 911 Turbo offerings from both Ruf and TechArt also suggested the tuning fraternity was ready to oblige if Porsche did not and naturally. Weissach would hardly turn down this challenge.

Launched to the press pear Venice in February 2001, the GT2 was differentiated visually from the Turbo by its deeper, purposeful-looking front splitter and bonnet vent panel: a Clubsport cabin as on the GT3 was a no-cost option. Under the engine cover a larger intercooler and turbochargers, and a besnoke air-induction system contributed to an output of 462PS and 457lb/ft, which rose to 482PS and 472lb/ft on the Gen2 car in 2002. The CT2 kept the Turbo's 9.4:1 compression ratio, used the GT3's shortshift manual gearbox and was rear drive only. Its thenttle was manually actuated dispensing with the Turbo's fly-by-wire control, and Porsche's new ceramic brakes were fitted, but beyond ABS and a limited slip differential the GT2 had no PSM or traction control. This approach left a remarkable



WHAT'S IT LIKE TO DRIVE?

The GT2 was all about performance and Possible used AUM folder & Sopris 33 Thylin Possible used AUM folder & Sopris 33 Thylin Possible production care yet. Autocon cared House for Southern Brown was 0.1 second quicker to 60 Cityp Horse's to 18. Destreased House followed the GT2, weighing 100kg less and packing 50 more horses, steeled away, Technic discovered that so cared was the GT2 to torque that tracking or the Significant Southern South

The GT2 handling surprised and disappointed the applications in the absence of electronic safeguards, to other the classes \$11 meahrs to oversteen (executable of the ret by the GT2 or minerate govers) Pleasther appeared to have configured the GT2 to understeer. This was not sufficient the configured the GT2 to understeer. This was not sufficient the configuration that such as the present that the application considerable to the best Buildian reads of the press such that the attended for decrease residence and such as the press that the sufficient that the attended for decrease residence.

Ride quality was also odd, being neither very firm nor especially compliant. Autocar thought that the relatively soft near suspension was an attempt by Proughe to make the GT2 acar for all seasons. Neurons to some bases the 950 felt is seasons, however, the some bases the 950 felt is seasons. Neurons and the seasons the seasons the seasons the seasons the seasons that the seasons the seasons that the seasons words, was a scalebuphrenic as any car Perche had offered. The GT2 was originally created with competition in mind, but firely furned out, it seasons, as a handly purpled furtion backing the according and table of the seasons are seasons as the seasons are season

RIGHT The 996 GT2 was the first road-going Porsche to feature carbon-ceramic brakes as standard



THE VALUES STORY

he 996 GT2 was launched at a UK price of £116.000 in 2001, followed in 2003 by the Gen2 model at £126.000. Set against the 288.000 of the Turb. to brange commendators this seemed steep and the GT2 would depreciate more at the rate of the 596 Carnera than a top-of-the-range model.

The lowest point was reached in 2008 at about \$55,0000 and the market generally went through an uncertain productal values started to increase from 2011 to 2012. The high point in Persche pricing was reached around 2016 when the Geni Gir 2 changed hands at around £155,000, with the Gen2 some \$20,000 mer. Gir 2 changed hands at around £155,000, with the Gen2 some \$20,000 mer. Girling back subsequently to today's £155,000 to \$155,000 levels. Mark Sunifies peaks subsequently to today's £155,000 levels. Mark Sunifies peaks subsequently to today's £155,000 levels. Mark Sunifies peaks subsequently to today's £155,000 levels. Mark Sunifies because it's compared with the rise in values of other Preview models. 3





BUYING ONE

In he first consideration is accident damage and repair quality. The absence of traction control and PSM caught out more than one driver, especially in the early career of these models. One man who knew the GT2 well was Andrew Meanns of the now-defunct Gamund Gars, which for varies specialised in uber Porschen.

Speaking to Total 911 in 2008, five years after 996 GT2 production ended. Meanns opined that perhaps 30 per cent of the 130 RHD GT2s imported to the UK had suffered accident damage and that some would have been written off. Undoubtedly, many cars were company purchases acquired for the badge cachet and used with all the disreased this often involves.

In the ensuing years, the attrition rate was significantly lower, with second and third owners far more fleely to be enthusiasts with a genuine interest in the cart However, with permaps 40 per cent of the UK GT2 contingent having suffered durange or owners, chassis and body inspections as well as the usual verifiable instory should be an externitely part of any transaction. Paragen's specially sufficiently and the characteristic part of any transaction. Paragen's signs that the chassis has been bent around a lampopot at some point.

The engine and gearbox rarely give any trouble in service and the Mezger flat six has none of the sensor failures that are a feature of the more complex 991/981 flat six generation. If the turbos go wrong the problem is usually rusting of the casing or wastegate arms, which corrode and seize or fracture. Senior technician at JZM. Andy David observes that corrosion is now the main problem on the GT2's low-slung underside: this was not fully undersealed, and brake and power steering lines suffer in particular from salty roads. In contrast, the bodywork is solid and Andy has detected corrosion only at the tops of the front turrets. Paul Stacey from Northway Porsche adds that the GT2's springs corrode and crack. These are Fibach items (unlike the 996 Turbo) and combined with the largely Porsche Motorsport arms and geometry mean that a GT2 suspension rebuild can become an expensive undertaking

The G12 had much reduced sound deadening, so any superpoint natities are more obvious inside the cabin, but they don't necessarily betwise wholesale replacement. Peter Thymma mariss that cars stored for long periods in damp conditions suffer from seeded stering locks and datate moders. And affer southern from seeded stering locks and states moders. And affer becomprehensively faced in the properties of the comprehensively faced in the comprehensively faced in the control of the contro







DESIRABLE OPTIONS
THE GTZ came with lighter floors sents, with a contract c



The 996 GT2 is a rare Porsche, Around 1,200 were built, and made in two batches: the Gen2 was the less numerous. For comparison 1590 27 RSs were made and their rarity has made them essentially collectors' 911s Mark Sumpter points to the GT2 models that succeeded and preceded the 996: the 997 GT2 RS that now commands upwards of £300,000 and seven figures. While no one would predict such an explosion for the 996 GT2 a carefully chosen second-generation example is likely to appreciate gently while remaining eminently usable, unlike a 993 GT2 (or RS 2.7).

"A carefully chosen second-generation example is likely to appreciate gently while remaining eminently usable"

the 993 CT2 the Fun version of which has reached

TOTAL 911 VERDICT

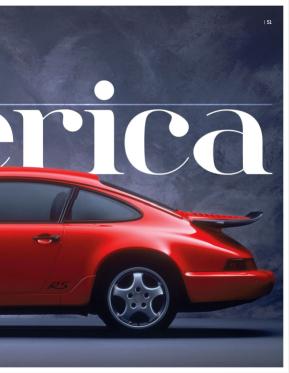


Story 64RS AME

Total 911 charts the beginnings of Porsche's unique 964 Rennsport reserved for the American market

Written by Kieron Fennelly Photography courtesy Porsche Archive





California's new anti-smoo legislation became operative, it was apparent that highly tuned would be affected. Breathing through carbonettors and running on premium fuel, the 911 was soon in hot water with traffic authorities. The S was even

t the end of the 1960s when

withdrawn for a year in 1969 so that Porsche could reduce its emissions by replacing the Webers with mechanical injection.

Not as the law became tighter this proped to be only a temporary fix and by 1974 the now 27 flat six had been converted to K Jetnonic injection. This was a second-orneration system developed by Bosch for Porsche, which metered out finel far more carefully and worked with now-mandatory catalutic consustance

Isroest market wouldn't have access to the final mechanical injection 9th the celebrated Carnera 2.7 RS. Naturally this caused dismov but it would move to be simply the first of a series of disappointments for US buyers, who would be deprived not just of the 930 Turbo for most of the 1980s, but also the 959 This was a disaster for Porsche because America would have taken probably two-thirds of production, now lost as a result

When reviews of the new 964 RS reached the US in 1991, frustration understandably resurfaced However, when PCNA (Porsche Cars North America) asked Zuffenhausen to consider homologating the 964 RS. Porsche turned its US subsidiary down The company claimed that the cost of crash-testing potentially half a dozen cars couldn't be justified. even orainst a forecast of 250 cars. At the time the company was walking a financial rightnone and couldn't afford to take risks with a 90, which was already registering poor sales in the US because of

the collarse of the dollar. In 1991 Zutlenbausen had even begun assembling the Mercodes 500E to make profitable use of redundant production space.

This referred however was to review without Final Schools DCNSs abulliant now CEO and Vic-Flford, whom local Porsche enthusiasts enlisted to help. Elford had been living in America since 1984. when he joined Renault Motorsmort as US team manager. Naturally, given his fame and competition record, the outgoing Elford was popular with the Porsche community and readily assented to assist

representations to Zuffenhausen. Perhans Elfon fu long standing friendship with Ferdinand Plack beloed, and perhaps the new sales boss at Zuffenhausen. Dieter Lavy saw an opportunity here, but in any case this would prove to be a successful piece of lobbying. At the Detroit Show in Issuery 2007 a new model amount on the stone the Borocke Corner PS America

Initially North American desless sussen't excited by this gorminaly reduced specification Parache 90 They recalled the Clubsport that was introduced without finfine four wors earlier and had overerated minimal interest. Priced at \$46,000 - the same as the standard 3.2 Carrera but without the latter's air conditioning, sound system or central locking - it seemed to be a car without a purpose. Car & Driver announced that it offered no performance advantage administering effectively a veritable kiss of death, for eventually a mere 28 Clubsports were sold in the US

However, the RS America was different. Unlike the ill-fated Clubsport which turned up virtually unannounced, not only was the RS America the 9III that enthusiagts had asked for but wisely at \$53,700 it was priovd \$10,000









The February issue of Road & Track described the concept concisely, if somewhat investment; 'In order to share 80 gand off the price and about 80ths off the weight, Zuffenhausen has left off power steering, sound deadening, armeets with built-in cubbies, while including (at no extra cost) sports suspension, oversize wheels and types, unique budges and a fixed whate call storler similar to the Turbo's.'

Reging in mind i seed the saved homologism process and beat to Solim much of the specification of the 96 Centre 2, the 85 America turned out subspects supplies to the cytool marketing exercise in might have been been could marketing exercise in might have been. Recentifying the model raids specification. The SA America thus had to employ the standard C2 spec-welded shell and window gloring, and seed earther than adminism how list. The SA America was fully underseaded and plantimed. See SA America was fully underseaded and plantimed. See that the subspect of the seed of the SA America was fully underseaded and plantimed. See all markets the profession of the studies of the seed of the studies of the seed of the studies of studies and studies of studies and studies of studies studi

Inside, the RS America retained the driver and passenger airbugs and Porsche's heavy but comfortable electrically adjustable Sport seats that





"The RS America not only outperformed

only outperformed the standard Carrera, but cost \$10,000 less and was for once a Porsche RS that North Americans could buy" wave trimmed in cordancy rather than leather. Combined with the bolaces, the seas gape better latend support and wave more practical than leather in the climates. The rear cabbin date seads, and wave simply carpeted so the original RS-27 had been Relandig the Department of Timaper's raided that this space had not be taken up to prevent carriage of a non-seaffed wavefung passenger, so subsequent RS-Americas wave debicted with the way to the product and the contraction was of the contraction of the contraction wave debicted with the way the facility of the contraction wave debicted with the way the facility of the contraction wave debicted with the way the facility of the contraction wave debicted with the way the facility of the contraction wave debicted with the way the facility of the contraction was a facilit

Although retaining the electric windows, the SR America borsoule the simplified door firmiture of the ISs America borsoule of the SIM of the strape. These strape proced peoplar and would Issue to the subsequent 993 ISs and the later GTA Door mirrow, were memally algorithm, and the ISS America used a simplified writing loom and vans fined with two speakes and an amplifier for the radio - a white two peopless and an amplifier for the radio - a strape of the radio - and the ISS white was peopless and an unpulsar for the radio - a strape of the radio - and the ISS white was peopless and a multiplier for the radio - a strape of the radio - and the radio - and strape of the radio - and the radio - and strape of the radio - and section was fined.

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The data changes to be extended 964

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The other changes of Dreveth using by parts bin
with habitual imagination. The ride beight of the
SS America had to remain the same as the standard
Carreas, but Pierche fined the firmer oil springs
and upmend dampers of the 964 Tarbot together
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effectively the MBB) suppression apprach, as 5400
option on the sack Carreas. Wheels were card Fineds
up only to the sack Carreas. Wheels were card Fineds

and a same and the s

the RS America \$10,000 cheaper, but it also included \$2,000 of options – a point not lost on buyers. The RS America came in three primary colours

Guards red, Back or Gunal Prix white. Two medials whose-Post will red withing the low-were subsidies - But will red withing the low-were subsidies as \$2,000 extra. Characteristicily, the quantities as \$2,000 extra. Characteristicily, the quantities of the standard \$70. Robins the radius with the 86 of the standard \$70. Robins the radius as was madditional 90. In executarily opening at \$2,005 are as a madditional 90. In executarily opening at \$2,005 are as a madditional 90. In executarily opening at \$2,000 are as a subsidies of \$1,000 are as a subsidies of \$1,000 are and approximately \$70 per cent with radius and see sumeds and now brinks with the \$1.000 are approximately \$1.000 are as a sumed as a superior and the sumed as a superior subsidies with the \$1.000 are approximately \$1.000 a

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However, this was enough for PCNA's marketing department to describe it as "a pure protein Posche", going on to say, "Porsche now commemorates the 20th anniversary of the Porsche 9II RS with the



creation of the Porsche 9B RS America, Released in the spring of 1992 as a 1993 model, the RS America is available only in North America, The 1993 RS America captures the spirit of the RS in its emphasis on performance. Field Schmab went further, claiming: "If you like autocross, this is your car If you are a time trialer, you need this car If driving is for fun, wou need this car the cart the TeXh built."

With such a billing, the 185 America had much to the up to expectly like the the 80 of the Clabsport. This time, however, there were few disoppointments. Punche had carefully munuaged expectations, as this extract from Exvollence from August 1972 shows: The years American back head and support of the The years American back head and show the groot Purches they couldn't have. If it was a good one, you couldn't pay in over here. Trainsteas, loss, can be returned to the property of the proper

The article's author, David Colson, goes on to bemoon the plethora of "tipe and point jobs" that had been offered to Prossche buyers in the US when the rest of the world had the choice of all the "R, RS and RSR versions and their derivatives, but all that was about to chance."

This sets the tone for the rest of the article, which goes into ruptures about the RS America: that it not only outperformed the standard Carrera, but cost \$10,000 less and was, for once, a Porsche RS which North Americans could buy: Indeed, it was even made just for them. Other test reports were similarly enthusiastic. It helped that no one was especting a replica of the uncommonisting European 964 RS.

The Is America's acceleration and ups speed were link different from those of the Carrera 2. Road & Their recorded 0 60 floop in 53 seconds and 0.000ph in 135 seconds and 0.000ph in 25 seconds and factory claims, but Care & Priver recorded 4 6 seconds for 6 40 floop has made to the conditions of the condition o

naries seribes, as did the destinguishing whate tail. It was the suspension and storeing but really get their like, not to say blood, flowing. The ISS America shared the same clover variable ratio manual steering racks as the BoW their not USF S and combined with the firmer Titles suspension and wider rims; the result was a noticeably sharper driving experience, and when the could was a noticeably sharper driving experience realized edge-pitch uning exactly the sume engine as the stack Garrera, the dynamics of the ISS America were noticeable more visit and it just secured faster. No doarde the absence or sound deadening in the rear buildhood that Proche had cannille left out.

contributed to the enhanced sense of involvement, and it was evident that everyone who sampled the car enjoyed it.

Two magazines stated air conflicioning ought to have been a standard fitting. Another throught that the limited slip differential should have been part of the package. Fee injoinin was futine, given its framerial and technical constraints, Perceke had produced a full wontry of the St. Badge. The public agreed by Checker 1962 P.CNA was selling equal numbers of the 1962 P.CNA was selling equal numbers of the order to the public of the public of the public of order in the dischess in May 1994, 100 PS. Numefacas had been sold—three times the forecase that led to the car's development in the first place.

On the other side of the Admiris, initial resistion was that the ISA America was merely a low-specification Presche 501 that should never have specification Presche 501 that should never have been the follablood infinish. But time has changed prospectives. ISA America scleanly his the 'less is less prescion of the successful GTS catagopy that would surface on the runs out 975 Concoled with little prescion of the successful GTS catagopy that would surface on the runs out 975 Concoled with little common for numerous runs. He SA America turned out to be a crisip-handling 901 in the lightweight Proche is a common for the surface of the control of the control of the size of the







Concours Engine Builds for all model years from 356 to Air and Water-Cooled 911 versions

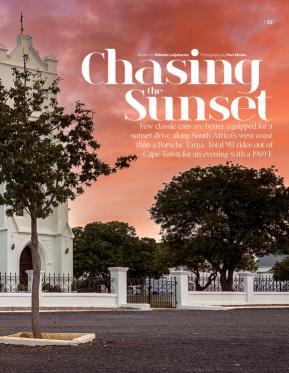






For more information see our website www.tech-9.co.uk





here are few more enticing prospects than leaving the city in one of your frourtie cars, getting away from the traffic and then heading to the countryside for a benutiful sunset drive.

After a few blistering hot days during Cape Town's summer, I thought wed have the same type of weather during our planned afternoon drive. However, in the morning there was a short

rain spell, clearing the air with some clouds hanging around into the afternoon. It cooled the landscape and cleaned the air, resulting in the perfect refreshing

atmosphere for our outing.
The owner of this beautiful Timegrine crange:
1969 91 2.08: Tanga had the cut fully restored a couple of years ago. She drove the car all the way down from lobumes-bear to Care: Town in December 2001. It

was a perfect road trip to celebrate the two years of restoration, as the journey was around 1,000 miles over the course of three days. Today, we wait until most of the traffic has

cleared from Cape Town's road network and then leave the city: Because it's already opin (the sun only sets around 8pm) most of the inner-city traffic has dispersed, so we make our way along the R27 that hugs the coast and heads through mostly residential areas. Between the mundane and regular city traffic, the Targa stands out. This is thouls in no small part to its compact footprint compared to today's significantly larger vehicles, and its beautiful

part to its compact tootprint compared to todays significantly larger vehicles, and its beautiful orange colour.
We decided to keep the roof on for the first part of the iourney. I'm unite surprised by the lack of

eed aftermoon creaks and rattles. This is, after all, a 53 year old cas, but even from the Targat top there aren't any
"The rhythmic times like these that you

beating of the flat

six engine is more

audible and the smell

of the ocean stavs as

significant noises. It's at times like these that you could mistake your driving experience with that of a Course of the some war.

The Targa is comfortable to potter around in. Although the gearbox takes a few shifts to learn, it soon becomes easy to navigate your way through the dogleg gearbox. My view

we drive on"

dogleg gurthors. My viewe
from the driver's sent is
r 2020. It
vo years of
the car's extremities.

We stop at Bloubergestrand Beach, offering one of

We stop at Bousbergstrand Beach, offering one of the best-known sighes and sounds of Cape Town—the typical postcard that you'd sent back home in the process century or Instagram-bound photograph that you'd take today. Come here on St Valentine's evening and the beach is packed, thanks to the perfect view over the boy to Cape Tiown and the 3

ABOVE LEFT Evening in Cape Town, and the 1969-2.0 E Targa prepares to hit the road

ABOVE RIGHT All-round glass allows the driver to bal in Cape Yown's urban sights from bahind the wheel

RIGHT Traffic is light as the Targa heads out of Cape Town and Inwents the surred















city's most visible lundmark: Table Mountain, Today the misty clouds are covering the mountain, but we can still clearly see its outlines. The 'Brajs' esterior colour offers a strong contrast to the grey sky and blue water, and a number of joggers turn their heads to take a second look.

I pull the lever below the '8' pillar to open the engine lid. These early 9ll models' engine boys are so spackoses -you can clearly see all the exterior parts of the engine. Having only around 2,600 miles on the odometer since its full restoration, it looks brand new, replete with all its stickers at the bottom.

The 9IIE replaced the 9III. in 1969. With a new dual-row injection pump, the E now offered 10bhp more, for a total of 140bhp. A brand-new Tanga retailed for DM26-470 in Germany, which was a DML780 premium over the Course.

Refere we leave we decide to take the mod off and eriloy some al fresco motoring—this is what the car was designed for after all. This can be done by a single person, but having two pairs of hands makes it quicker and essies: Simply turn the two leves on the inside of the cabin that are situated above the windscreen, and then lift the roof sur-You then press



the outer frames towards each other and it folds up like a concertion. We open the front lid and carefully place it on the compartment floor before closing the lid again. Immediately it's as if the matte (brushed) metal Tinga hoop becomes more of a feature than when the Tinga to you so in place.

As we pall away, the rhathenic beating of the fast set engles is more audited and the sensel of the ocon stays as we drive on. We make our way through Benbergestrand and bead along a short settent of the MIP towards fine. Ye There are sense enabliphies trees that the contraviable beams within 6, short site on the NY takes no morth. He have where the Higgs aboves, monther of the usuelled actionset. It could be peep with modern traffic with the rev counter string just below the work of the sense of the contraviable beams of the MIP towards of the peep of the peep of the modern traffic with the rev counter string just below and fine speed simply continues to increase, allowing and fine speed simply continues to increase, allowing preferences for a 20 filter conjude.

I'm also impressed by how little wind buffeting there is in the cabin – especially considering I have the driver's side window open and I'm over six feet tall. The cabin is marginally noise but with slightly ©



Model 2.0E Targa Year 1969

Engine Capacity 1,991cc Compression 9.1:1

ratio num power 140hp @ 6,600rpm num torque 175Nm @ 4,500rpm

torque 175Nm © 4,500rpm sission Five-speed manual Suspension

Freet Independent MacPherson strut, torsion bar, anti-roll bar Rear Independent torsion bar, anti-roll bar, trailing arm

Wheels & tyres
Front & Rear Dunlop SP Sport FM800, 6x15

Dimensions Length 4,163mm Width 1,630mm

Weight 1,020kg
Performance
0-62mph 8.2 seconds
Top speed 133mph

raised voices I can even keep a conversation going with Peet Mocke, the photographer who's joined me on my evening expedition.

We fill up with petrol at the first station and mule our way down the road to the village of Philadelphia. The withe NGK church that dates from 1863 is one of the local landmarks, along with a number of other quirky shops and the Pepper Tiere resizurant. All of them are closed for the chy, but we can't help but look to the skite and appreciate the corresponding orange its turning into with a dash of pink. As we knew this small countrivide num 1 press

the throates a little bit deeper. This will be my last chartee to eigh a few current before we join the highout leading back towards Cape Jimon. The lightweight and compare nature of the "Il present intell flumbering and compare nature of the "Il present intell flumbering and compare nature of the "Il present intell flumbering was also dart want to because you can spread more time appreciation fit is storing feedback, the balanced supersists and the willing engine. It is also that the substance of the storing feedback and the willing engine. Then all the willing engine the substance of the storing feedback and the willing engine the substance of the substance of the storing feedback. Although the storing on this latent as implementation more performance on offer—the realling only unriess just before 2000/gray.

The relatively small steering wheel brims with feedback. There's no power steering, but because the car is so light and most weight is on the rear acte, it takes very little effort through the steering wheel to point the car in your desired direction. That was even the case at parking speeds. It's at times like these that the 9II shrinks

around you. With the mod off, you also have all your secondary security be in the setting sun widele on the horizon or the mechanical sound from the little 2-Bit me six or capite, April the hairs. A summary of the models and the E coolly serubs off speed, giving you even more confidence to other thee are in the way is was intended 1900 also signalled the start of the 900 to increase 1900 also signalled the start of the 900 to increase by 57mm marginally improving on the limit handling.

Back on the highway with the nord down, the conformation mutuals a specied trible back to the only: These reads are in near species condition, and the combination of the relatively future Pick of EST types on beautiful Est inch friches contributes to the combination of the resturber plump Pick of EST types on beautiful Est inch friches contributes to the conditional beautiful Est inch friches contributes to the conditional form the established to the sense are more brightlight. If you speed houses in sents and you never think about them, then they they doing a time Joh. In this Tage you of confinit is well-coming—copecially if you've speen a lesser time in the sext time in the

The view over the orange bonnet ties in perfectly as the sun sets in the west and the day comes to an end. I used to frown a little when someone said they've bought a Targa, but now I understand it a little better. It does offer the best of both worlds. 5000

TARGA TOP RESTORATION

AND MAINT ENANCE

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have already compressed in the right places. Also, all these tops leak—you'll never that done that doesn't leak. If you'll never better, it's lakely that it will leak even more. That is because some of the well-also might not line up, etc. It's often quate a igage between oil and never ubbes. "Only use a minor amount of clear, silcone lakes of the line of the source of the property."

lubricant for the joints as you want to keep the top clean and not dirty your hands or the car when removing or installing the top. It actually shouldn't need lubricant as they have rylon sliesves in them."

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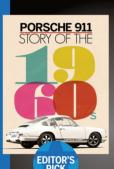






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Living the Our contributing enthusiasts from around the world share their real-life experiences with their Porsche 91ls





harrisclassics

2004 JANUARY 2022



came across one of the most amazing Porsche barn finds in the LIK, and recently posted some images. on my Instagram page. Many people have asked how I

found the car and ended up buying it. Let's go back to December 2014. My wife's friend was a Brighton estate agent where we lived, who'd gone to value a house. In the garden was a rusty Porsche He said it was pretty far gone and past restoration. I didn't think too much about it, assuming it would be an old transaxle car or basket case that was well past repair. The estate agent told me the rough location of the car and left it at that

Some three months later I started to think about the car again, because it was located within a stone's throw of where I was living the time. Each day when I

walked to the shops or took the dog out. I'd stick my head over the fences in the areas where I know the car was And one day I hit the jacknot. In front of me was a right-hand drive 3.0-litre Turbo. Even better, it was a Martini Turbo with Dr. Ferdinand's orthopaedic seats:

I knocked on the door and made contact with the owner. The story was that he had the Martini Turbo as a company car and was the second owner. He'd done 70,000-plus miles on the car and ended up buying it, storing the Porsche in his garage. III health and early retirement. meant the owner moved to Cyorus to his holiday home. Some 16 years later, and his son had been looking after the family home. When the owner returned to the UK he found that his son had pushed the car out from the garage into the garden to make room for his motorbikes and gvm equipment. The Porsche had been left outside for years, until I found it.

A few months and lots of negotiations later, I managed to secure the car late on a Friday night, with the stipulation that the car had to be gone by Monday morning. I talked my father into helping and we loaded up a trailer with shovels and winches to pull/dig the car out. It had been sat on a slope and the twes were flat - the bottom of the engine and gearbox were in the mud. Furthermore the back footwells of the car were full of water because the doors hadn't been shut properly. We had to cut down a couple of trees that had grown around the car and take down some fence panels, just to drag it out from the garden. It was a mission to say the least, but we managed to get it or the trailer - and the car was mine

I spent the next few weeks trying to get as much information as I could on the Martini Turbo, It was an unofficial limited edition model: anyone could order a 930 Turbo with the Martini stripes. According







I stored the car in my unit because I was getting married the following week. I'd put a post on the Persche owners club looking for more information about the car; got married to my amazing wife and embarised on our two-week bnoepmoon. I checked my emissib fall-way through the holiday. I'd received an offer on the car I coudin't refuse, When we entained to UIV the car was sold and with the money we were able to buy our lirst home.

The Martini changed hands a few times before being handed to Williams Crawford, which conducted a nuts-and-belts restoration. The car sits in its showroom and if you search YouTube for 1977 Martini Turbo restoration', you can see a video of the restoration process.





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I'd gone into 2022 rather unsure of the direction in which to take my 996 project. Currently (touch wood!), the car is performing brillantly:

everything works, there are no creaks or rattles, and both the engine and chassis feel super tight. I've enjoyed driving the 996 of late, so much so I've put more miles on it than my '09 Cayerine, despite the sally roads. That's love for you, I guess!

A bugbaar has manifested over the course of those writter miles, however, and this concerns my front seets. Because this concerns my front seets. Because this concerns my front seets. Because shifter, the seats (along with the 990's pedals) are the only remarking bouch points from stock. The pedals are great and have no interest in changing them, app and solid feel of my 921-respired with supply and solid feel of my 921-respired two stifter only interestings the feeling that my current factory seats are letting the driving experience down in a big way.

expenence down in a big way.

I've made no secret of the fact I don't rate the seats in my car – or any 996, for that matter – for several reasons. They offer no lateral hold, they offer Ittle in the way of lumber support, and with the optional "utilise" leather look as on mine.

the seats look utterly knackered when in fact they're in good condition. Simply put, they have to go, and my recent excursions have only intensified this feeling.

What are the options? Well, as my seats are non-Sport, the first port of call is naturally to consider 996 Sport items. However, previous experience has taught me these also fall short in comfort. adjustability and lateral hold. Wider at the top compared to non-Sport seats, the 996-era Sport seats are still far too narrow at the shoulders, and so you sit 'on' them rather than hunkering Into' them. With those dismissed, I'd looked at Pole Position seats by Recard ever the benchmark for an aftermarket through in a courte our A friend has a set fitted to his C4S, although a most fast revealed them to sit too bigh cutting off the top of the 996's clocks from the point of view of the driver. This was no good to me

After considering many other options. I've decided on a Porsche seaf from the 996's successor, the 997.4 pair of 997. Sport seabs are a directlif fit or 996. Sport seabs are a directlif fit or 996. The post of 996 seats don't, and you sit sightly lower, too. A pair of 997 Sports seabs, therefore, too. A pair of 997 Sports seabs, therefore, and so they're what I'm after. Got a set, or linear of a pair of Please do per Internet.



70 | Living the Legend - 911 owner reports







our lovely Pacific porthwest winter weather of spow ice rain and cold. Hopefully, next month will give me some dry-weather opportunities to turn that Drive Mode switch to Sport Plus and tell you more.

For now let me give you a virtual tour of the 992's exciting new exterior and interior styling, and functional controls. The 992 must be seen in person to be fully appreciated, and when you do I think you'll agree it exudes muscular powerful. functional design. My favourite view is from the rear three-curarters, where the new wider body has been sinurusly sculpted around the massive tires with the wraparound rear light cluster adding. just enough linear sharpness to relieve the

In typical Porsche fashion, every vent. you see on the car is functional and vet artfully rendered, such as the rear engine air intake with its gloss black strakes and



the car it unlocks the door and turns on the lights, while the flush-mounted door handle flips up to welcome your hand, as if to greet you with "Your Porsche is ready. your lordship." Again, a functional feature

that's elegantly executed As I sit in the heated and ventilated 18-way Sports Seat Plus with its adjustable side and thigh holsters, it hugs me perfectly, ready to bandle the high G-forces this car can deliver with aplomb. Gripping the heated multi-function steering wheel - such a comfort on cold winter days - I glance at the new five-dial instrument cluster. This is arguably the biggest visual change with the 992. As ever in the 911, the tachometer is in the centre. In this latest rendition it's still an analogue, physical gauge, but it's now flanked by four configurable, electronic gauges on either side



As you look around the rest of the interior, the dashboard has a clean. horizontal look that evokes 911s of the past while simultaneously feeling modern and functional. The centre console is now much simplified and has just a few topple switches and knobs for the most frequently used functions, such as radio volume, climate control, sports exhaust and PASM, and there are two "diamond" buttons that can be set to any PCM function you choose

The new, shorter PDK gear selector works perfectly with a lovely tactile feel. thanks to the knurled metal surface that also matches the topple switches and ignition key. Together they convey a beautifully cohesive, functional design And all of the switches and dials have that bank vault feeling of solidity and quality in their operation, which adds to your confidence that this entire car has been designed for robust and enthusiastic use that will last for many years. Can you tell I'm in love with this car?

And that I'm anxious for better weather?!











Vodel 901 SC TARGA Year 1982 Acquired NOVEMBER 1994



back on Friday and we went straight out to Notting Hill Gate for a test run. Reing apart for so long and driving a various assortment of modern cars in her absence made me forget just how exhilarating it is to drive her

I had to wipe the windscreen down the whole way because I was too nervous to open the windows in case the fuse blew and I couldn't shut her and leave her parked securely. The water ingress and being stationary for a while made the condensation crazy. On the drive home I opened the window the whole way and the situation cleared up

Everything on my Targa needs attention, but it was magnificent to be sitting in her battered and worn leather seats. You have to focus so intensely, like playing an online game - Grand Theft Auto that my sons played incessantly comes to mind. It's that adrenalin rush of all of one's senses being on high alect. There's no cruising in my Targa, and yet I prefer it. She held the road so well and nipped in and out of traffic with such agility. I missed her so much. At least the heating was working and so I ditched the

hot water bottles. We parked off the Portobello Road and she was back where she began life with me, when I lived in Ladbroke Grove. She was a regular sight when I had a shop on the flyover end of the Portobello Road. In those days it was fantastic to have a Chelsea and Kensington parking nermit because its reach was so far and wide. I could park anywhere with no parking agos or worry of fines. Now my

poor car is encouraged not to drive into London and immediately hits the ULEZ (Ultra Low Emission Zone) charge before I've even left Richmond. I have a garage that's offered to take the existing engine out, store it at a rental cost, and replace it with an electric engine. It's the way forward maybe, but for now no way. For a start financially it's impossible. I wonder how many classic car owners will take this route in order to be kinder to the environment and also to be able to use their beloved vehicle. I'm a great believer that these old cars should be seen and not hidden away in a garage

The next day I decided to clean her myself. So many people stopped to talk to me and admire a 1982 Porsche Targa. It never pets tiring to see how happy she makes kids, women and men. It's a labour of love, but just so therapeutic I saw how bad her bubbling is under

the headlights again and around her badge. It doesn't seem that long ago that I had her completely resprayed, but it's obvious they didn't do a good-enough job. She's going back into the garage in a couple of weeks to replace the engine cover latch. It's seized up and won't close completely, but I just couldn't wait any longer until the garage had time to fix this because Frazer is so busy. He'll also try and look at the wiring of my windows and why they randomly blow a fuse. The list is just so long, but that's the price of an older Porsche which is used on a daily basis, and I wouldn't change it for the world. The journey continues.





72 | Living the Legend - 911 owner reports



Year 2007



Lalways wanted a GT3. For one reason or another I didn't get round to buying one until November 2019 The 999 Camera 4S was my first Porsche the 996 Turbo my second

(Anniettery © @ppieffery

The latter was a huge mistake where I should have kept my money and waited until I could afford what I really wanted. We live and learn... Having owned the GT3 for over two

years now I thought Ed try an evneriment Lalways said I wouldn't want it as my only Porsche or a daily vehicle, but in a moment of madness felt I should challenge my own thinking. This was driven by two things. I've anguably not do nutting too many miles on my Carrera 4GTS and Soyder In addition the GT3 is going into Paragon Porsche mid-February for a new offside rear mud guard, some suspension work, a set of Michelin Pilot Sport 4S tyres and full geometry, so I want to get some value from the old nihhar first

I've spent the past couple of weeks using the GT3 as my daily driver in an attempt to reassess the car and its ability. Yes, it's a serious car. Yes, it demands respect and requires absolute concentration. And yet, I didn't get out of the car on any of the given days with backache, or a stiff neck, left arm or left leaf in fact, most of the time I just had an insanely huge grin on my face! You really could daily one if you had no other choice - and the fuel consumption wasn't horrific, either, Of course, caught the front splitter a few times and winced when trying to negotiate the





pothole-ridden tarmac prevalent across south-east England. And yet I thoroughly enjoyed each and every one of those drives, although I avoided rush-hour travelling where possible and stuck to my mantra of giving motorways a wide berth

The other thing I noticed, and touched upon briefly in a column a year or so. back is that when the car is used as a daily the usually obstinate gearbox and stiff clutch feel a little more forgiving and more compliant than they would when the car is left standing for weeks on end. I think the first-generation 997 has enough civility and is just compliant enough to be used as a daily driver for the committed enthusiast. It has a wellappointed and relatively modern cabin an excellent driving position and, while interior noise levels by modern standards are unacceptably high, you could live with it. I think it would be a different story if the car were a Club Sport specification with the obligatory bucket seats. The fact that it's a Comfort spec car with the Sports seats make it more akin to an early version of a GT3 Touring

During the experiment the GT3 was subjected to all manner of trips, from an early morning blast across Surrey, Hampshire and Sussex (and bottoming out the front splitter multiple times) to the Porsche Club GB Surrey Region monthly meet at Redhill Aerodrome with numerous speed humps to negotiate. A trip to the local Sainsbury's for some



shopping and petrol also served to dry the brakes off after a wheel wash to remove the layers of brake dust from the 19-inch rims. One day I dropped my son to his work in Guildford town centre before a run across Surrey Hills and a walk around Newlands Corner, and fitted in a trip to my favourite circuit. Goodwood, for an alfresco lunch, it even served as a delivery truck to pick up some items on my son's behalf to take back home from university. During this extended period of daily activity the car ran perfectly, used no oil and averaged a pretty reasonable 24.8mpg

The experiment has served to remind me just how good the 997 generation GT3 truly is. It's easy to get blasé about things and accustomed to the norm, but it's only when you take a step back and immerse yourself in the whole experience that you're reminded what makes GT cars so utterly brilliant and highly addictive! They really are that special!





Avlesbury, UK





Model 991.1 CARRERA S Year 2013 Accuracy SEPTEMBER 2020

It's said that absence makes the beart grow fonder. Like the sentiment, but don't necessarily agree. Sometimes I think it

gives you the space you need to realise you're better off without each other. As my interest in Boysters continued Ed. been asking myself whether I'd be happy to live without a 911, and then Karma came calling and I was forced into a

week-long 911 hiatus, Karma? On my way home from a great coffee at The Espresso Lounge in Tring I was met by an error message on the dash: 'Fault cooling system Visit garage'. Being a vellow warning I cruised on home and searched online for it. There was a recurring theme suggesting that the fault would likely be traced to the change-over valve(s), and not uncommon on 991s like

mine. Still - bugger I'd already decided to visit local marque specialist - Wrightune in Wallingford, Oxfordshire - to fix the loose piece of trim below the front bumper that I mentioned a couple of issues ago. Editor Lee Sibley is a fan of the company's no-nonsense approach and Chris Wright. impressed me with his straight-talking style when he guested on the 9WERKS Radio podcast. This latest problem was the catalyst to get it organised

The trim was an easy fix for the guys at Wrightune and the fault was indeed

traced to one of the change-over valves (fortunately an easily accessible one) With my 9WFRKS membership 10 per cent discount it wasn't an expensive episode, and I appreciated first-hand the straightforward but bespoke service that Chris offers

Wrightune is an hour from home for me and logistics meant that I was without the 991 as I said earlier for a full week albeit still mobile thanks to the Macan and venerable BMW 335i Touring. As the days passed I asked myself - challenged myself, even - to consider if I could let the 911 go, sensibly bank some cash, and buy a 981 Boxster S with the rest? I don't want to appear to be a 911

snob because I don't feel as though I am - although if there were a place to do so it's surely in the pages of Total 911 - but there really is something special about a 911. As I've said before I'm totally 'Team Porsche, but if possible that will always include a 911

The temperature was struggling to get above zero when I collected the car from Chris, but the drive home was still a total lov. Some of that lov came from things that aren't unique to a 911. such as a sonorous, naturally aspirated six-cylinder motor instead of the turbo diesel (albeit mercifully six-cylinder) in the Macan. But so much came from the way a 911 goes down the road and how that feels through your extremities. And also the intangible feeling of pleasure and



pride that I get from just being in a 911... my 911

I would definitely like a Boxster of some description though, and it feels like a car I'd like with a manual gearbox. If you recall, when I sold the 997 Heft myself without a manual gearbox to enjoy for the first time in nearly 20 years. How I feel about that, some six months later, is another thing I've asked myself of late. When I'm day-dreaming about cars to buy, be it a £15k Boxster 987 or a £150k 991 GT3, I often think about the process of stroking a manual gearbox down the road. Yet day-to-day, when I'm out on the road in auto or on the paddles I don't give it a moment's thought. I guess that for now. I'm good.

74 | Living the Legend - 911 owner reports







I'm glad we were able to have a relaxing summer break, because my Porsche has decided to give me a nightmare start

to 2022! The car sat idle for about three weeks, and I attached a trickle charger prior to tackling some of the unsolved gremlins from last year. These included pulling left under braking and occasional misfires under low load

I had a local independent specialist take the car for a drive and give his thoughts on the brakes. I'd noticed a pentle veer left under braking and then right once the brakes were released. The enacialist triad comathing new which involved imming on the brakes and letting on of the wheel! The wheel turned violently left and the car followed: his verdict being that the right-hand brakes weren't working properly as opposed to

I pulled the brakes apart (again) and still couldn't find a fault with discs. pistons or pads. Another possibility is a collapsed flexible brake hose, so I've ordered a set and will swap them out. Eve also booked the car in for a dynamic



brake test at a Subaru dealer (keep that cerret to unimplies). I'll share the outcomes next month Having given up on the brakes. I went

to take the car for a pentle drive. I'd only gone a kilometre or so before the car started misfiring and then cut out. I couldn't believe this was happening again after previous failures and all the work on fuel numn wiring the ignition system and so on This car is out to break me!

I managed to get it started and back into the garage, then started looking symptoms of fuel starvation and running lean under load. Both pumps were running, but the front one was making excessive noise and is the only part of the system that I haven't replaced. Add a new fuel nump to the shopping list.



While under the car I noticed that the engine was sitting askew and on closer inspection saw the LHS engine mount had collapsed. Liacked up the engine and removed the mounts. The car raises significantly as the engine weight is removed from the chassis and it needs to be jacked quite high. Then I encountered one of the Q11's worst design "features": the loose nuts securing the mounts to the chassis. Why couldn't they have been caped? The nuts are easy to reach when there's no engine, but almost impossible when it's in situ. I had replaced the mounts when rebuilding the engine, but they must have been faulty because the rubber centre had pushed through the metal. New mounts obtained and installed but I still have the brake and fuelling problems to sort. What a hobby!



@ #993andv

993 CARRERA

9WERKS Radio



a few cars that have acquired names over the years. The most memorable was the Type 3 Variant called the Green Goddess. My mum named it

and it seemed very fitting I had to come up with a name for the 993 for Martin (@theghostoutlaw) for

the splendid calendar that he orodines to support Dementia Research. The previous owner called it The Red Baron, but I was never sold on that. I came up with Old Stripey in a moment of desperation for the calendar, Again, I wasn't convinced that it was fitting.

I've since been chatting with Tony, the owner of @pablo_the_porsche, and asked him why Pablo was called Pablo He replied: "Pablo Escobar had a Targa that had his name on the side. My buddy Bryan (@achtungkraft) made a decal and put it on my car before our drive to Rennsport. When we were there, we were interviewed for the 992 launch video, and the producer kept calling the car Pablo. The name stuck."

As a cousin from Stuttgart with such a related look inspired by Pablo, it seems

only right that the 993 should be named after Pablo's cousin and right-hand man: Gustavo de Jesús Gaviria Rivero. The outlaw name is pretty fitting for a car that's definitely not for the purest. What do you think?

Duick update on the 993. I think you'll have realised that I'm pretty hands-on in the garage. My wife bought me a scissor lift for my last big birthday. What a wonderful tool it is - probably the best tool I've ever owned. If you're thinking of petting one just do it!

The lift is being out to great use this winter because I'm replacing the suspension with KW V3s. The wheels will be refurbished after a little curb action last summer, and the awful Nankang tyres will be replaced with some lovely Michelins in normal sizing. The Nankans were pretty stretched to allow the appressive fitment under the wheel arches of the 954 that they were originally specced for. The beefier tires will require the wheel arches to be rolled a little to enable them to fit in the arches nicely. While I have the car up in the air I'll be replacing a few suspension bushes, refurbishing the calipers, replating fixings and refinishing all the suspension components. I also plan on covering all the chassis bits and bobs, including the wheel

arches, with ceramic coating to make future cleaning a breeze

Other plans include some upgrades to the headlamps, new reflector strip for the rear, and fixing that front solitter once and for all. Time is ticking and spring is getting close, so I best get back to the garage...

GUSTAVO







9115 2 A-I ITRE

97.2 GT3 RS 991.2 C4S

991 GT3 TOURING 2009 2021



2021/2022 winter nominet a rebuild of the transavie on the 1982 930 Turbo As I said at the time I

suspected there would be some further needs to be addressed once the driveline was removed, enabling me to take a closer look at various components. After all, this is a 40-year-old 911 with 75,000 miles on the orlometer. The service records in the file show plenty of attention paid to the car over the decades without the engine having been previously removed.

So now the punch list for repairs has begun. While the gearbox is out being rebuilt the first and most noticeable area is the exhaust sustem. The nor has an aftermarket muffler but the rest of the system from the headers through the heat exchangers and on to the furbolare original equipment Porsche parts and, by

their condition, appear to be original Originality has its virtues. I continue for example, to treasure the original paintto-sample tangerine exterior colour, even with myriad touch-ups from rock chips on the front. But old parts eventually wear out and that certainly applies to the

Last month's column exhaust. There are several cracked welds now evident on the piges, and evidence of prior re-welding to repair one of them. The bracket holding the turbo in place has cracked and been repaired at least once.

The whole system is old nistly and tired I've decided to replace the entire exhaust system. Choosing a replacement wasn't particularly difficult. I could have selected a replacement OEM Porsche system. However, those are hard to find. albeit attractive for their originality. I inniged at a few aftermarket oveteme with the primary anal of quality herause I'm not seeking to increase engine performance with this change. With its larger K27 turbo and ANDIAL intercooler commonents, the car makes plenty of nower And I have no interest in nutting on a stiffer honet enring to increase turbo process before the waste gate mens

The end result is that a Fabsheed exhaust has been ordered. Each system is made to order, so there'll be a delay in receiving the new components, hopefully coinciding with delivery of the rebuilt transaxle. I've used Fabspeed products in the past with good results, so I'm confident I'll be getting a quality product. Also being added to the work list will

be some minor oil leak repairs, valve

right takeaway it could rival an experience



adjustment and spark plug replacement. all of the work comes as no surprise. to me I only hope that I'm treating the car the right way keening it as much as possible true and correct to the intentions of Porsche when this car was originally designed and constructed

More updates on this winter project next month. In the meantime, I'm enjoying my 'winter 911': the 2017 991.2 Carrera 4S with Pirelli Sottozeros mounted. We've had a good-sized series of snow storms here the past few weeks and this 911 carries on through the white stuff most admirably

nthony Coyne @mr_coyne

997.2 CARRERA S



a few times. Many thousands of miles driving has made me a connoisseur of eating on the road, and I can attest to the 997 being a good place to munch inside.

Porsche ombably didn't have this in mind when building the car, but it did include a couple of pop-out cup holders. And the dash is gently sloped with a decent lip to allow food to sit without sliding off. Come to think of it, if you park up somewhere with a view then with the



at a top restaurant. I proposed to my now-wife eating from the seat of a 992 with some fish and chips overlooking the ocean in Newquay, south-west England. So, I feel I'm qualified to make a

definitive ranking on US drive-thru food Forget your Michelin Guides - these are the places to eat Stateside in 2022. 1 Chirk-SIA

Just outstanding in every way. The food is delicious, every single one of the locations is spotless, the staff smart and polite No matter where in the US I sample its tasty, wholesome delights, it always lives up to expectation. The menu offers a few surprises like the chicken tortilla soup, and a kale crunch salad for true foodies.

2. Shake Shack

Much debate went into second place, with a strong argument for In-N-Out Burger from Renée. The latter has no shops on the East coast so the Shack wins for me, I also like the shakes more, so much more I struggle to order one elsewhere having sampled the ones from here. And somehow the container is measured to just' fit the cup holder in the 997. The trick ordering here is to go with the signature dish: a Shack Burger with fries. The rest of the menu can feel like it's trying too hard.

3. Taco Bell

Every time I go here I'm amaged just how well it does Mevican food. The menu has so much more to offer than the obvious soft- or hard-shell tacos, and can be a delight to delve into once you become confident ordering your meal

4 AEW

You may need to pick these carefully - I can't believe they're all as old school as the one I go to. Pull up to a covered parking space read the illuminated menu. and push a button to talk into a speaker and order. A waitress then appears with your food like something from the 1950s. But it isn't just the Back to the Future appeal that lands it a slot on this coveted ranking; it's down to pure culinary excellence. Little delights like corn dogs tease your attention, while the burgers

pair beautifully with traditional shakes. 5. McDonalds

I was hoping to give the final position to a more left-field eatery like Panda Express. Yet there's good reason why the Golden Arches not only revolutionised our eating habits, but won over our hearts and minds. It ranks so highly here because of consistency. Be it a breakfast (before 10:30am) or a late-night feed on a dark Interstate road, McD's always delivers.



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Data _file

Definitive facts and figures for every 911 model from 1964 to the present day



911s in the data file are organised in rows according to release data, beginning with the very first model in 1964. Many models were available in Coupe. Targa and Cabriolet forms, with the option of automatic transmission. Here, data has been provided from the Coupe variants unless stated. All data here has been compiled, where possible, from Prosche's own figures.



Ratings chmodelisrated out of five in rhalf-star system according



to folion. Developed to replace the 356, after-pot 902 was absorbed \$105 2070-2070





















1975-1977 Fitted with a KKK turbo		
produ	ction Po	richeto
beta	bochas	ed.Flare



















964 Carrera 2 1990-1993 esperience and was 100kg 964 Carrera 4 1989-1993



































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964 C4 Lightweight 1991

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993 GT2 1995-1996 reduced equipment, Also

996.1 GT3 1998-2000

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964 Turbo 3.6

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range in 2000

Same 3,600cc engine as in GT3, but with weight

Facelifted in line with report from Carrona though

Sales debate Is the 991.1 taking over from

the 9972 as the sweet spot of modern 911s?



The go-to model for many in the market for a modern-era 911 has been the 997.2 and for some time. That perfect balance of driver appeal, proven tech and a swathe of model variants meant nothing else in the 911 market

offered the same at an equivalent price point Enter the 991.1. For a roughly comparable price it could be seen as the new answer to the best modern 911. Does the market agree? Jamie Tyler of Paragon thinks perhaps not quite yet. "I think the 997.2 will be ahead of the 991.1. he says. "The Gen2 997 was a cool car: perfect in size, the last of the hydraulic steering cars, lots of feedback. It's really engaging and exciting to drive." Turning to the 991.1 Jamie strikes an optimistic tone: "The 991.1 will have a following in the future, as they're the last of the naturally

RPM Technik's Greig Daly concurs, "The 997.2 is still a real high point in modern 911s," he says. "They're relatively petite cars, with a lovely suspension setup and engine that works well with the total package," adding that "the manual six-speed gearbox, though rare, is a bonus," The oldest 997.2 models are 13 years old though, and Greig points out that ongoing maintenance has to be kept up "to avoid lumpy bills." As ever, there's much to balance out in a decision on the 'better' model for a buyer Greig counters all this by adding, "Although the 991

Carreras dipoed under £40k for a short while a year or so back, they're back up to mid/late £40k and upwards again, which is a reflection of the market interest in them." What does go in favour of the 991.1 is the production numbers over the earlier car. "Getting hold of a 991.1 is a bit easier than a 997.2," says Greig, Combine availability with practicality, and that might make it the car for you. "The 991 can easily be your daily driver and weekend special - retaining a naturally aspirated engine! - while also

being a bit lower maintenance," he points out. Paragon's Jamie has the last word, rightly making the point that the 991's cockpit was a departure from the traditional 911 interior. It may be different, "but you grow to like it... you just have to move on," he says. The 997.2 might be the market favourite - for now but the 991.1's time is not far away





A9TT ubout the







9971 GT3 RS





















997.1 Carrera S 2004-2008 as standard, with bigger wentilated brakes. Featured #865-80.05/05/95

997 GT2 RS 2010-2011

Top cont ingle tion wager Whele i tyro

997.2 Turbo 2009-2013





997 918 Edition 2010 Deservations 997 Turbs









997 GT3 RS 4.0 2010









Technology explained

1057 INTERNALLY VENTED BRAKES

Total 911 explains how Porsches past and present channel air to keep their brake discs cool



Protche 3IIs own much in terms of development to the racetrack. Racing may appear to be about pen but you don't win a race with a throttal. It might an output to counter-initative, but racing is all about the slow, not the go. Brake as late and hard a possible and you can go faster for foreger, carrying as much speed as possible so you can get back on the accelerator again. And it's precisely the later and hard race don't then succeed the subject this month or initiative.

Braking works by applying the finction of the pad material against an involving kinetic surface (the brake drum or a brake disc). That finction creates heat, and for years that heat buildup heat to be managed during reading. Brake drums gave way to become more open, solid discs 60 years age on the Porsche 356 B in a bid to improve brake performance. Denot them, drivers needed to certifying presence materials in the brake system. Careless, aggressive use during racing built-up too much heat and either the brake materials or the brake system could fall.

Enter Gerhard Mitter, a mountain racing legend of the 1960s. In 1965 he used a Portice 9 605. 8 Bergsychet, a legend of Portice nace cars. Weighing a scart 57 Kkg, the Bergspyder was powered by a 256shp (260°5) 2 O-like. eight cylinder eight of the 1965 country o

The drillings channelled cooling air through the hot, spinning discs. This reduced the brake component temperatures and prevented fail-off in brake performance. Mitter was now free from the need to rurse the brakes. This meant, he could brake much more aggressively at later points on the brack, resulting in a clear competitive advantage.

Ever-keen to use any lessons from the racetrack, let alone one with such a performance advantage, Porsche transferred the 906-8's internally vented brake disc technology to a production 911 as quick as it could. Just one year later, in fact, on the 9115 of 1966. The technology later became standard on all 911s, right us to the creamt dox.

Steve McQueen said, "Racing is life," but Porsche freely admits to modifying that sentiment: "Yes, racing is life. The rest is automotive development."



991.1 Turbo 2013-2014 law Turbomarks stroduction of rear sale

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2 C2 GTS
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any 911 owners would already consider their car to be a piece of automotive art - we certainly do - and gazing over the curvaceous bodywork can give many hours of pleasure. But there's more than one way to enjoy the stunning appearance, and having Which brings us to the work of renowned artist. Rob Hefferan, Fascinated with art since childhood. his first exhibition in 2003 showcasing his skills in figurative work and portraiture was a resounding success. It's those skills along with an international reputation for quality and unrivalled attention to detail that has led to his work being commissioned by numerous celebrity clients, and it turns out that Rob has another passion: "Eve been obsessed with cars since I was young, and that developed into a love for Porsches, and the 9ll in particular".

A serial owner of our flowurine sports can his officient has included the 90%, both generations of 90° model, and he now enjays, a 90°C carres X. Apeque or any pitch which has high he hadded, Apeque or any pitch which had hadded to be sufficient to the pitch of the sufficient of the pitch o

9II ownership in a way that other pictures just can't. Painted either in oils or acrylic depending on the finnescales involved, each work can take anything from EO to 300 hours to complete and the work is also unusual compared to other automotive artists in that he is happy to depict not just the car but in include the owner as well. It's where the takent for portrait work really pays off. As for the mercose of commissionien a vanishire.

an owner can either provide pictures of the car or Rob will trace to view your VIII, employing a professional photographer to take dozens of detailed reference shots from which to work. It's a pinistaking process but one that results in something very special but there was something very special but there was something we were leen to ask and that's whether he had a frourite VIII. Yet really "says Rob." How call of them, but if poshed I guess If have to say it's the cars from the 1969s that most capture my

attention. "At the gap and form that I fail so appending. "At the gib had fifted under blood-wood "Britan Arthur Britan Arthur B











2014 PORSCHE 991 TURBO SATIN GREY 17,000 MI









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911 GT3 (991 GEN II) Carrara White Metallic - Black Half

Leather 918 Bucket Seats - PDK Gearbox 20" GT3 Centre Lock Wheels • Porsche Ceramic Composite Brakes • Clubsport Package • 4,392 miles • 2017 (67) (145 995

911 GT3 (991 GEN II) Crayon • Black Half-Leather 918 Bucket Seats • Manual Gearbox • 20" GT3 11,418 miles • 2018 (67)

£145 995

911 GT3 (996) Arctic Silver • Black Leather Bucket Seats 18" GT3 Wheels • Bi-Xenon Headlights Centre Lock Wheels . Porsche Ceramic Rear Roll Cage • Guards Red Seat Belts Composite Brakes • Clubsport Package Previously Sold & Serviced by Paragon 50,727 miles • 2003 (53)

Arctic Silver • Black Leather Bucket Seats

£82 995

18" GT3 Split Rim Wheels • Rear Roll Cage · Air Conditioning · Previously Sold & Serviced by Paragon • 67.632 miles • 1999 (V)









Boxster GTS (981)

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Cayman GTS (981) Carmine Red • Black Half-Leather Sports

Seats • PDK Gearbox • 20" Black Carrera S Wheels • Switchable Sports Exhaust Touchscreen Satellite Navigation Sport Chrono • 34,770 miles • 2014 (64)

Cayman T (718)

let Black Metallic • Black Half-Leather Bucket Seats • PDK Gearbox 20° Carrera S Wheels • Switchable Sports Exhaust • Sport Chrono 6,252 miles • 2019 (19)



£52,999

£70 005

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£54,995





£52,995

Boxster (718)





Basalt Black - Black Soft Ruffled Leather Seats • Tiptronic S Gearbox • 18" Turbo

II Wheels • Factory Hardtop • Satellite Navigation • Previously Sold & Serviced by Paragon • 59.273 miles • 2003 (53) £49.995

Boxster S (718)

£49.995

£53,995

Seats • PDK Gearbox • Sport Chrono 20" Black Carrera S Wheels Switchable Sports Exhaust 12.247 miles • 2016 (16)

Lava Orange • Black Leather Sports

Gentian Blue • Black Leather Sports Seats • PDK Gearbox • 20" Platinum Carrera S Wheels . Touchscreen Satellite Navigation • Parking Sensors 27.021 miles • 2019 (69)



Boxster S Wheels • Front & Rear Parking Sensors • Full Leather Interior 16.969 miles • 2012 (12)

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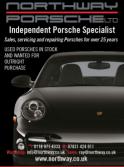


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PUT A STOP TO BRAKING BAD Total 911's performance driving expert on the art of efficient braking



Porsche Moment

Total 911 recounts the story behind a famous picture from Porsche's past...

The date is October 2000, and the venue is Prelifik Vizzola proving ground near Milan Two 98 Tarbos ne aligned on the tarmat templer with Part Pirrc, which here to cover the 996 Tarbo press Jaunch in fact, that event had already inten place in southern Spain Presche had invited Frier and a handful of here in the place in 18 pairs and prediction of the promision in high sample in less immostator PCE Brukes, the Prefer Spain for the International Conference on the Prefer Spain for the Pref

Frère's presence would have been considered automatic. Held boen compiling the seventh edition of his Porsche 9ff Story, and had long been the doyen of Porsche writers. Another veteran Porsche observer. Peter Morgan, has described how at the company's press conferences there was always a chair at the front reserved for Frère. At 8t the Belatin was as fit and active as ever, but his career would come to an end prematurely by a road accident in 2006 from which he never properly recovered.

But the real star here is, of course, the SPE Turber. This was the high-speed GT that Poroche had striven to create with the scrapped of popietr a decide earlier, a downed attempt to transfer some of the technology of the '97' of the technology of the '97' popietr and the technology of the '97' popietrs and the '19' the '19' the '19' the '19' the '19' 1900 and with six years of solid profit under is bett and the successful limited of the '96' '99' platient. Pluesche had become a far more conficient apprisation. The new '96' reflected this. At in heart was the '19' reflected this. At in heart was th

The new 996T used a blown lowercompression version of the 24-valve, 36-litre engine designed for the GT3 and was fourwheel drive to book. A masterplece of pockaging with its intercoolers, oil cloolers and engine coolant radiators all housed in the new shell, the latest generation Porsche Turbo was a properly integrated GT from the conset, preducing its 420 horsepower and 550Nm with aphomb and, so it would prove remarkable long-term dependability.

The 9% Turboi ceramic carrier breaks were a real immostries, by early 2001 some Mercedes \$1.55% could also be ordered with ceramic front brakes fined by AMIC, but Pursche was first with PCCH as an option on both arkes, the was spicial of the thorough preparation and development of this Purche. Turbo. Despite as high opening price and 1986 (Gerrario Ilvesche and advisorable found its market. Some 22000 and a deviated found its market. Some 22000 compared with \$2,0000 over the cutties 25 years of the air resulted surface.

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