

free car mag

SHORTLISTED
FOR NEWSPRESS
MAGAZINE
OF THE YEAR
2016 to 2018

Get
The Look



OUR GUY IN RUSSIA...



& THE BEAUTY OF THE LUXOBARGE



Plus we encounter a mechanic at
the dentist, celebrate the new Toyota
Century + Bentley Mulsanne



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Mr I Brindley, Cheshire - June 2018



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ISSUE 62 / 2018

At this time...

Our Guy is fantastic. He's what makes us watch the telly these days. In an age of presenters who are not as cool, or as real as they think. Guy Martin, gets stuck in and this is also a proper travelogue. He's so good you want to spend the ridiculous amount the Russian's charge for a visa these days.

So cars, bikes, guns, diggers, jet planes and all sorts of heavy machinery. We try and explain what goes on in the three part series, but you really need to watch it on Channel 4 and catch up.

We covered Zils and other Eastern Block things last month, but inspired by the Putinwagen that Guy drives, we celebrate the wonderful world of the Luxobarge by taking a look at a couple of great big saloons. Toyota has taken the time to redesign the legendary Century. Meanwhile Bentley go properly old school with a limited edition Mulsanne.

We also take the opportunity to behave like a proper Car Mag and mention a few new models from Honda, Mazda and Toyota. Well the Supra is a little way off, but you can buy the Civic and Mazda 6 right now.

The regulars are all here, Buy Now, Car Choice and Bangernomics but if there is anything else you want to see in mag then let us know. We'd like to be a bit more Guy Martin, or maybe we should just put our cartoon superhero Spencer Haze in charge.

● Cover photos Channel 4 • DS Motors



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Guy defeats the heatwave by moving the Free Car Mag office to Siberia

4	News Events Celebs
8	Guy Martin
12	Toyota Century
14	Bentley Mulsanne
16	Honda Civic Saloon
17	Honda Civic Type R record
18	Mazda 6
20	Motor Easy Campaign
21	Toyota Supra
24	Back Seat Driver
25	Land Rover 70 Years
26	Fashion Dainese
27	Wanted Seiko Watches
30	Buy Now SsangYong, Vauxhall and Hyundai
32	Car Choice
34	Bangernomics
36	Next Time - Jaguar Racing
37	Spencer Haze - the Supercar Superhero Comic Strip

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order now
from £29,975



LAND ROVER AND BEAR GRYLLS SUPRISE

13 year old Scout Blake Harris known as 'Baby Bear' from Worcester attended Hay Festival over the late May bank holiday weekend expecting to watch his hero Bear Grylls talk at the annual literary festival. But Blake had the surprise of his life when his hero arrived in a bespoke camouflaged Land Rover Discovery bearing his name to take him on a mini adventure. The adventurers went off-roading to a secret wood where Grylls set up a bespoke shelter for Blake to light a fire, scavenge maggots for a tasty afternoon snack and get to grips with a catapult.



Spotted
out and
about



BEAR GRYLLS SAID...

"Wow. It's not often you get to hang out with such a special young man who has had to deal with so many difficulties in life. He embodies that Above and Beyond spirit and never gives up which makes him an example to us all. It has been such a privilege to spend this time with Blake. He is a credit to his family and the Scouts. Keep going buddy!" The surprise was planned by Bear himself, supported by Land Rover and Blake's mother Liz. The goal was to honour Blake's brave spirit and dedication to his sister Lily-Mai who is diagnosed with a terminal cancer. Blake also suffers from autism.



British
Number
One



KYLE EDMUND IS “READY FOR PAIN”

Speaking exclusively as part of Jaguar’s Show Your Edge content series, Edmund describes how his self-belief has been the driving force behind his impressive recent form. “I have developed a belief that there is no one I can’t beat and I’m at a stage now where I do not fear anyone.” Edmund has shot up through the rankings this year and believes one asset in particular can give him the edge. “In my opinion I have the best forehand in the world. My ball striking is the best it has ever been, I have all the tools and that gives me great confidence going into Wimbledon.” The 23-year-old certainly isn’t shy in sharing where he feels his ambitions can take him. “There are so many things to accomplish”, Edmund says, “there’s always the determination to achieve more and, of course, eventually becoming number one in the world is one of those.” Reflecting on the pain and sacrifice he has had to make in order to break into the world top 20, Edmund explains, “If you want to be the best you need to be obsessed and do it your way. You definitely need to feel pain, it’s hard, its tiring, but I enjoy what I get from it.





Over the years
PEUGEOT has
partnered with the
Roland-Garros and
the ATP World Tour.

JAMIE MURRAY AND THE PEUGEOT 3008 SUV

Jamie has been involved in a number of PEUGEOT initiatives such as handing over the keys to a fleet of PEUGEOT 208 hatchbacks to the Lawn Tennis Association and PEUGEOT's Rising Stars programme, which supports talented young athletes as well as coaching Anton Du Beke and Helen Skelton to compete in the PEUGEOT Tennis Challenge, a doubles tournament to be held at the Albert Hall in December. Jamie said: "We're delighted to be handed the keys to our new PEUGEOT 3008 SUVs just in time for Wimbledon and are proud to drive cars from a brand that has given so much to tennis over the past 40 years. The 3008 SUV is perfect for myself and my mum and we can't wait to spend more time with the models over the coming months."



SPOTTED
OUT AND
ABOUT

JUDY MURRAY AND THE PEUGEOT 3008 SUV

Strictly Come Dancing star, Anton Du Beke, and former Blue Peter presenter, Helen Skelton, are set to be put through their paces as they prepare for the PEUGEOT Tennis Challenge in December. Anton, who has past experience working with Judy Murray when they were partnered together in the 2014 series of Strictly, is already looking forward to the final showdown. He said: "I love this PEUGEOT Tennis Challenge. I'm like a pig in chardonnay, to pinch a Stephen Fry expression. I've been having the best time ever and can't wait to grace the Royal Albert Hall." <http://www.peugeot.co.uk/tennis/>



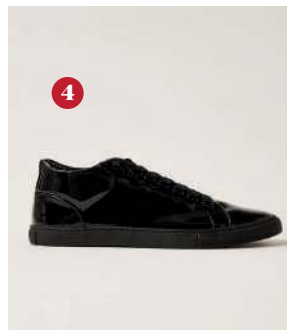
Get the look

SIR LENNY HENRY + THE SOUTH BANK SKY ARTS

DS Automobiles supported the South Bank Sky Arts Awards 2018, held at the Savoy Hotel on The Strand in London with creative excellence in the arts, by sponsoring the Visual Art category. The sponsorship is part of a partnership between the avant-garde French premium automotive brand and Sky Arts, the premium television channel, which celebrates the best in art, music and culture. In addition to the sponsorship of this specific award, DS Automobiles also provided chauffeur-driven transportation for a number of celebrity guests in DS 7 CROSSBACK cars. That included Sir Lenny Henry and we thought he looked pretty dapper and would love to have a go recreating his great look.

Lenny Henry

- 1 DS 7 Crossback £27,200
- 2 Trilby Debenhams £20.00
- 3 Suit Marks & Spencer £148.50
- 4 Trainers Topman £45.00
- 5 White Shirt Next £25.00
- 6 Sun Glasses Eyewear Brands £92.00



CHANNEL
4 MONDAYS
AT 9PM AND
NOW ALL4

RUSSIAN AROUND

Guy Martin is back on the box making great shows with bikes, cars, lorries, guns and diggers.

Truck mechanic and motorcycle racer Guy Martin sets off to explore the biggest country in the world, in his own unorthodox fashion. In Archangelsk, a remote city in the frozen north that is home to Europe's only diamond mine. Guy works at every stage of this billion-dollar process, from driving one of the world's biggest dumper trucks to

witnessing a laser saw cut a 200-carat diamond worth millions of pounds. He then realises a lifetime ambition to visit Kamaz, Russia's biggest automotive manufacturer, and drive one of their famous Dakar Rally-winning trucks, before visiting the Kalashnikov factory to see how the AK47 - the most popular gun in the world - is made.





Guy's visit to Moscow concludes with a passenger ride in an old Soviet air force jet plane, an experience normally enjoyed by wealthy Russians. And with Russian flying instructors apparently surprisingly willing to hand over the controls, Guy ends up performing his first ever aerobatic display in an Aero L-39 Albatros. This is a high-performance jet trainer developed in Czechoslovakia by Aero Vodochody. Everything else is Russian.



CHANNEL
4 MONDAYS
AT 9PM AND
NOW ALL4

Guy gets a lesson in Russian politics when he rides with the Night Wolves, Vladimir Putin's biker gang, and finds out about law and order when he interviews two young 'rooftoppers' who evade the police while trespassing on skyscrapers. In the Moscow Metro, Guy learns how British engineers helped to create one of the world's most spectacular underground railways. Feeling at home in Russia's capital, Guy then persuades a mysterious figure to let him drive his Zil - a priceless Russian limousine built especially for presidents and prime ministers - through the middle

of Red Square.

Guy eventually leaves Russia and visits Chernobyl in Ukraine - the site of the biggest nuclear disaster in history - to explore the record-breaking engineering solutions designed to make the area safe, 32 years after the nuclear power station exploded. After receiving specialist training about how to avoid contamination, Guy is allowed into the most radioactive place on Earth, a restricted exclusion zone of 1000 square miles. He heads straight for the breached reactor, which is now entombed within a 36,000-tonne shelter called the New Safe Confinement. He climbs to the

top of the structure, which is taller than the Statue of Liberty, to carry out a radiation survey, and finds an area that's so radioactive that he's only permitted to stay for 20 seconds. Guy interviews a surviving 'liquidator' - one of the volunteers who helped clean up the immediate aftermath of the explosion - about the ad-hoc protective clothing they were given to wear, which was made of lead. Guy also works alongside the people who earn a living inside Chernobyl today, riding with the guards who look out for trespassers stealing radioactive scrap metal.



Guy travels to Archangelsk, a remote city in the frozen north that is home to Europe's only diamond mine. Guy works at every stage of this billion-dollar process, from driving one of the world's biggest dumper trucks to witnessing a laser saw cut a 200-carat diamond worth millions

of pounds. Guy then heads into the harsh landscape of Siberia and the world's biggest forest, working alongside the lumberjacks who are descended from people who were exiled to the gulag labour camps. After putting in a shift with the rescue crew who look after the world's biggest railway,

the Trans-Siberian, Guy treks through deserted wilderness to the shore of Lake Baikal and finds himself completely out of his comfort zone. He becomes part of a shamanic ceremony held by Russia's largest indigenous tribe, the Buryats, which involves quickly getting drunk on potent alcoholic home brew.



NOT AVAILABLE
IN THE UK
JAPANESE
RETAIL PRICE
£135,000

Century

Japan has its own Rolls Royce, but the Toyota Century far cooler than that.

We want one so badly we are flying to Tokyo to buy one

The new model is equipped with a 5.0-litre V8 hybrid electric powertrain and adopts advanced safety technologies, including Toyota Safety Sense.

The first Century debuted in 1967, created to mark the 100th birthday of Sakichi Toyoda, founder of the Toyota Group. For more than 50 years, it has been Japan's most popular chauffeur-driven luxury car, favoured by the country's leading industry executives. The new, third generation model sustains its tradition of master craftsmanship and monozukuri – all-encompassing manufacturing. Its new hybrid electric powertrain addresses the demand for improved environmental performance, while the interior and exterior designs blend new elements with the car's heritage look. Century is built at Toyota's Higashi-Fuji plant. Sales targets in Japan are for 50 units a month.

On the outside the Century's profile reflects the Japanese aesthetic of "passive symmetry". The silhouette is easily recognisable as chauffeur model, with a more upright centre pillar shifting the design focus to the rear of the car.

The curvature of the doors is enhanced using a surface treatment along the shoulder section that dates back to the design of room partitions from Japan's Heian period (794 – 1185 CE). The coachwork has two distinguishing lines that are polished at an angle and separated by narrow space so that they appear as single, prominent line, lending the bodywork an air of dignity and excellence.

The model's heritage is represented by its phoenix emblem,

engraved by a craftsman in a process that takes six weeks to complete. It depicts the vibrant movement of the bird's wings and delicate feathers, set against the backdrop of the front grille, which has a traditional infinite loop pattern of crowns.

The car is finished in a new Kamui black, which gives the impression of a lacquered finish. Sanding and polishing developed from traditional techniques give the bodywork a deep lustre and shine. Each car undergoes three wet sanding treatments to smooth out even the slightest unevenness before polishing to a mirror finish.

Century's wheelbase has been increased by 65mm, creating even more spacious rear seat accommodation. The height difference between the scuff plate and the floor has been reduced by 15mm to ensure the floor mats lie perfectly flat and improve the ease of getting into and out of the car.

The rear cabin features wood trim and a raised ceiling design with an exclusive fabric headlining with a slanting lattice motif – a traditional manji design representing perpetual prosperity for the home and longevity.

The left-hand rear seat has a power-extending leg rest and an integrated massage system and there is rear seat entertainment system with an 11.3-inch monitor, 12-channel audio amplifier and array of 20 speakers. A seven-inch touchpad in the centre armrest gives easy control of the audio system, air conditioning, seat massage function and rear curtains.

All we can say is, what a lovely limo.



POWER
425 BHP
PERFORMANCE
TOP SPEED:
N/A



Crank...

AVAILABLE:
2019

JUST 100
CRAFTED BY
MULLINER



Limited edition of 100 Mulsannes to celebrate upcoming centenary
Homage to founder W.O. Bentley's famous final 1930 design and each Mulsanne
holds a slice of crankshaft from W.O.'s personal car

The Mulsanne W.O. Edition by Mulliner pays homage to the founding father of the company and incorporates a genuine piece of Bentley history in every car.

Inside each of the 100 limited edition Mulsannes, a slice of the original crankshaft taken from W.O. Bentley's personal 8 Litre car decades ago – the last model he designed for Bentley Motors back in 1930 – is displayed.

As Bentley approaches its centenary in 2019, Mulliner designers reflected on the last 99 years of an extraordinary British automotive story to imagine the new Mulsanne W.O. Edition. In doing so, they have created a truly unique collector's item.

The Mulsanne W.O. Edition can be specified on any of the three-model Mulsanne range, based on customer preference. Key features include a colour split interior cut from Heritage Hide reflecting the patina of vintage cars, elegant Beluga black wheels, and a stunning cocktail cabinet or bottle cooler featuring a slice of W.O.'s own 8 Litre crankshaft set into the armrest.

This special model will make its public debut at Monterey Car Week in California USA in late August, with customer deliveries commencing in 2019 – Bentley's centenary year.

The new Mulsanne W.O. Edition by Mulliner draws on design cues taken from the 8 Litre – built in an era that has been defined as the 'golden age' of motoring in Britain. Just 100 examples will be handcrafted by Mulliner.

The interior displays a range of exquisite features inspired by luxury living in the 1930s – key to which is the Mulliner illuminated cocktail cabinet. A marquetry scene on the handcrafted unit – depicting the geometric front matrix grille and headlight of the 8 Litre – reveals a display window, inside which a piece of the crankshaft from W.O. Bentley's own 8 Litre car is showcased. Just below the machined metal display case is an inscription detailing the significance of the Bentley artefact.

To create the marquetry scene, a number of different veneers and materials were used. Four different wood types give contrast and depth to the piece, while aluminium is used to achieve the highlights, signature and geometric pattern. The diamond-like borders that run parallel to each side add to the contemporary look while retaining an art deco feel. The piece is finished with W.O.'s signature.

An interior colour split made from luxurious Fireglow Heritage and Fireglow hide is complemented further by Beluga hide detailing and blind stitching. Dark Stain Burr Walnut veneer extends to the minor gauge panel, steering wheel rim and other areas.

The Mulsanne is finished with Fireglow lambswool rugs, glass tumblers, privacy curtains to the rear doors, and a rear seat entertainment system.

The Mulsanne W.O. Edition further enhances its formidable road presence with Onyx paintwork, chrome bonnet strip and graceful Flying B Mascot atop the optional chrome radiator shell and grille. A discreet W.O. Bentley signature badge is displayed on the lower bumper, while special centenary badging adorns the self-levelling wheel centres and door treadplates.

The Mulsanne W.O. Edition can be specified on any of the three-model Mulsanne range, based on customer preference. Each model is already a true statement of Bentley's innovation and craftsmanship. Bentley's flagship model is the world's finest handmade car, representing the ultimate combination of luxury and performance.

The Bentley 8 Litre – The Last Car Designed By W.O. It was the largest and most luxurious Bentley of its time, featuring the most powerful engine of any car available in Britain – a 7,983cc straight six that offered remarkable performance. W.O. said of the 8 Litre: "I have always wanted to produce a dead silent 100-mph car, and now I think we have done it."



CIVIC SALOON

PRICED FROM
£19,395
TO £27,120



We love the Civic and now it is in four door format,
Excellent news if you to stow things safely away...

Starting from just 91g/km CO2 for the 1.6 i-DTEC manual, which will deliver up to 83.1mpg, the diesel automatic will deliver up to 68.9mpg and emits 108g/km CO2. The petrol version is equally clean with 107g/km CO2 for the CVT while the manual petrol emits just 110g/km CO2, making the Civic four door one of the cleanest saloons in its class. The petrol version is equally efficient, delivering up to 58.9mpg for the manual and 60.1mpg for the CVT.

Trim levels will mirror those of the existing hatchback model with SE, SR and EX trims available. Entry level grade SE comes with Honda

SENSING suite of safety features, collision mitigation braking system, forward collision warning, lane keep assist, lane departure warning, road departure mitigation, adaptive cruise control and traffic sign recognition. The petrol CVT and diesel automatic both come with low speed following.

SR grade adds rain sensing auto wipers, dual climate control air conditioning, parking sensors and Honda CONNECT (Apple CarPlay and Android Auto) and a rear parking camera. The EX trim further includes leather seats, smart entry and start, LED headlights with washers, LED fog lights, wireless phone charging

and heated rear seats.

PCP pricing has also been confirmed for the new car with monthly payments of £259 a month on a three year, 10,000 mile contract on 5.9% APR for a 1.6 i-DTEC SR manual.

"The arrival of the four door variant now completes the line-up for the Civic family in the UK," commented Phil Webb, Head of Car at Honda UK. "With the hatchback and the four door now available, we have a strong Civic range whether it's a corporate or retail customer looking for a car."



RECORD BREAKER



Honda has set a new 2min 01.84sec record for a front-wheel drive production car in the Civic Type R at the Estoril circuit in Portugal. The high-performance hatchback was driven by Honda WTCR driver, Tiago Monteiro.

The iconic Estoril track is 4.2km long with two hairpins, a difficult chicane and a very long main straight, which means drivers experience an unusually broad range of speeds over one lap. It therefore rewards cars with a great breadth of ability, that combine fast acceleration with exceptional handling. The Civic Type R proved to be superbly matched to the circuit, with its 320 PS VTEC TURBO engine

providing outstanding pace, and its sophisticated suspension and steering systems delivering fast, stable handling, as Monteiro powered his way to a new front-wheel drive lap record.

Speaking about the benchmark time, Tiago Monteiro said: “We came here with a goal to beat the existing lap record set by the previous car but you can never take anything for granted – I mean it’s a lap record so it’s no easy feat. You have to have supreme confidence in the car to attack around Estoril, and the new Type R is just so powerful, smooth and confidence-inspiring. We beat the lap record, smashed the record actually.”

Commenting on the Type R itself,

he added: “The Type R is very stable and has very good braking efficiency and an amazing engine so it just feels like you are driving a race car – on the track it’s easy to forget that it’s a proper road car, but then you can drive it home.”

“The new Type R is a big evolution. I mean we’re talking about a totally different car in terms of design, aero, suspension, geometries, engine, but more than anything the feeling of driving the car.”

The new benchmark time at Estoril is the fourth front-wheel drive lap record set by Honda in 2018. The Civic Type R has also claimed record lap times at Silverstone, Spa-Francorchamps and Estoril. So far in 2018, Honda has exceeded the times

AMAZING MAZDA 6

PRICED FROM
£23,195 TO
£33,585



Available now, the all new Mazda 6 Saloon and Tourer.

The combined Saloon and Tourer range features 25 models across four trim levels: SE-L Nav+, SE-L LUX Nav+, Sport Nav+ and GT Sport Nav+. Matched exclusively to the new range-topping GT Sport Nav+ trim, Mazda's 2.5-litre SKYACTIV-G engine makes its UK debut in the new Mazda6. With a cylinder deactivation system, this direct-injection four-cylinder engine seamlessly switches between four and two-cylinder operation to improve real-world fuel economy at no cost to performance.

Fitted in the large Mazda CX-9 SUV, and the award-winning CX-5 in certain global markets, the 2.5-litre SKYACTIV-G makes its UK debut in the new Mazda6 where it's paired with Mazda's SKYACTIV-DRIVE six-

speed automatic gearbox in both Saloon and Tourer models.

"With new powertrain technology, fresh premium design details inside and out, revised model grades and more standard technology, the new Mazda6 is a thoroughly re-engineered and refined update of our stylish flagship," commented Jeremy Thomson, Managing Director Mazda Motors UK.

There's also no mistaking the visual enhancements that mark out the latest Mazda6. The 2018 car adopts a fresh frontal design focused around a new grille, which has the mesh positioned deeper within the surround to create a more sophisticated and muscular face. The revised LED headlamps integrate signature wing tips from

grille surround to underscore their predator style, while the redesigned lower bumper features a sleeker profile and an aerodynamically efficient air intake. At the rear, the Saloon has a remodelled boot lid, while both the Saloon and Tourer feature cleaner rear bumper styling with more body coloured areas.

Topping off the styling updates are new alloy wheel designs and the introduction of Soul Red Crystal Metallic paint, which thanks to Mazda's unique three-layer TAKUMINURI painting technology increases brightness by approximately 20 per cent and depth by 50 per cent, compared to previous Soul Red Metallic paint.



Panic Mechanics

The seven mechanic jargon terms that baffle every motorist – and what they really mean



WATCH THE VIDEO
[HTTPS://YOUTU. BE/VCKNZVHIYZO](https://youtu.be/VCKNZVHIYZO)

Nearly half of motorists (47%) feel they've overpaid for car repairs because of confusing jargon used by mechanics. Drivers hearing their 'big end' has gone or they've got 'mayonnaise' under their oil cap is causing them to lose faith in their garages.

MotorEasy is calling time on confusing mechanic jargon with the launch of its new 'Lost in Translation' campaign to promote "plain English" in car garages.

It's even worse for women with baffling workshop lingo causing a third (32%) of female drivers to stop using a garage because they felt they were being taken advantage of due to their gender. Garage mechanics remain one of the least trusted professions in the UK** because consumers are left flummoxed by the terms used by technicians and feel obliged to stump up for parts or work – even though they don't know what they're paying for.

Car ownership and maintenance service MotorEasy, wants garages to ditch the jargon and use 'plain English' to win owners' trust back. The firm has compiled a list of seven commonly used terms that leave drivers baffled and what they actually mean.

The firm's light-hearted 'Lost in Translation' campaign has been launched to highlight the amusing absurdity of garage jargon, but also the more serious issue of consumer trust in car workshops.

Jargon term	Meaning
Your big end has gone	A large bearing (semi-circular sleeve of metal inside the engine) has worn out and failed. This usually results in further damage to other parts of the engine. If the big end is worn, it can make a loud knocking noise, especially when you accelerate
Excessive play	Not as fun as it first sounds, this is typically used in connection to steering or suspension parts and refers to excessive movement of a part that is either moving more than it should or moving when it shouldn't do so at all
Diagnostic check / charge	The technician may plug a diagnostics system into your car to assess any faults; this sounds technical and can be used to mask the cost of an hour's labour but it usually entails no more than plugging a laptop into the car, taking minutes
Your bushes on the wishbone are going	Bushes are the little rubber parts attached to suspension parts, including the triangular components called wishbones; because they are rubber, they can perish and wear out. They aren't an expensive fix however, so bear that in mind
You've got mayonnaise under your oil cap	If water or condensation under the oil cap mixes with engine oil, it creates a thick, white-coloured gunk that collects there; this could indicate that there's an issue with the head gasket, which is quite a serious problem
Spongy brakes	There isn't much resistance when the brake pedal is depressed, indicating that the brakes aren't working properly, usually due to a lack of brake fluid
I need to access your CAN-bus	Jargon term for the electronics system that allows the vehicle's engine management computer to 'talk' to other parts of the car

Supra Duper



Free Car Mag could not be more excited. A new Toyota Supra is coming soon, in fact it is already here, but in rather heavy disguise.

Toyota invited a group of Supra super-fans to an evening event with Tetsuya Tada, in which the chief engineer of the new A90 Supra gave owners of all four previous generations an exclusive introduction to the camouflaged prototype.

The top secret, invite-only event occurred during the long weekend of the 2018 Goodwood Festival of Speed, where the keenly anticipated new fifth-generation Supra made its world debut.

Earlier in the day, Tada-san had given thousands of enthusiasts an early taste of the vehicle's dynamic performance by driving up the famous festival hill course, after which the prototype was whisked away to another location in West Sussex for its exclusive static showing.

A total of 50 immaculately presented Supra models from all four generations had been invited to attend in anticipation of the new A90 Supra's arrival.

The majority of the 84 owners and guests arrived in fourth-generation models, from highly sought-after UK-specification models with manual gearboxes, to examples that illustrated the enduring popularity and immense tuning potential of the iconic 2JZ straight-six engine. Also in attendance were eight third-generation models in both original and facelifted guise, four angular second-generation models, and a single first-generation model – one of only two examples of the Celica Supra known to exist in the UK. Tada-san drove the new A90 Supra into the building to rapturous

applause from the enthusiasts. He positioned it on a rotating stand and then proudly introduced his “new baby” to the crowd as the culmination of six years of development. It was a moment that marked the first time that all five generations of Toyota Supra had ever appeared together in public.

During the course of the evening, Tada-san was eager to mingle with the guests and chat openly about the A90 project. As an enthusiast himself, he was equally eager to hear from existing owners about what Supra means to them and gain a greater understanding of their expectations for this next chapter in the model's history.

Commenting on the weekend, Tada-san revealed: “I’m just so happy that we’ve made it to this point. I’ve finally been able to reveal the car to the UK; it’s the happiest day of my life. And to drive it up the hill at Goodwood was a really exciting experience.” Toyota expects its new Supra to reach the market during the first half of 2019.





MOTORING NEWS QUOTES

"If you face a long journey with your four-legged friend it's really important to make sure everyone is safe, secure and comfortable for the duration of the drive."

ŠKODA's 'Cool Dogs in Cool Cars' campaign

"There are around 15.5 million vehicle rental transactions a year in the UK...we are encouraging consumers to use a BVRLA member. This provides peace of mind."

BVRLA telling holidaymakers how to hire better this summer

"Preparation is key to an enjoyable trip. A well maintained car and a fully fit and prepared body can make the difference between a pleasant drive in the country and a nightmare journey to be endured. Whilst the trip may be about the destination it is much better if the journey is enjoyable too."

Head of driving and riding standards Richard Gladman at IAM Roadsmart tells us how to be safe and sound this summer



Ducati develops talking bikes

direct communication interoperability in action, no less

Ducati continues to invest in safety and, together with Audi, participates in the first demonstration in Europe of a new vehicle-to-everything (V2X) communication system between motorbikes and cars. As announced in April, the Bolognese company has outlined a strategic line, called "Safety Road Map 2025", for the development of new safety systems and technologies. The first steps in this strategy are the extension of the ABS Cornering to the entire range and the introduction of a bike with front and rear radar on the market in 2020. In addition, the Borgo Panigale company is experimenting, together with various industry leaders, some new technologies that will equip its bikes in the medium and long term.

One of these technologies is called C-V2X and it is a wireless communication system between road users such as cars, motorcycles, pedestrians, and bicycles and infrastructure. C-V2X technology is a key step toward 5G for automotive applications with direct communication

between vehicles and their surroundings.

The demonstration featured Audi Q7 and Audi A4 road vehicles, as well as a Ducati Multistrada 1200 Enduro two-wheel vehicle equipped with C-V2X technology utilizing the Qualcomm® 9150 C-V2X chipset solution*. The showcase demonstrated common situations that can take place between motorcycles and vehicles, and how C-V2X technology can be used to help improve road safety. These include Intersection Collision Warning, where a vehicle equipped with C-V2X technology pulls out from a junction with an adjoining road and avoids hitting a motorcycle rider who has the right of way, as well as Across Traffic Turn Collision Risk Warning, in which a vehicle avoids a left turn collision with a motorcycle. Finally a warning of sudden braking of the leading two-wheel vehicle. According to Pierluigi Zampieri, Vehicle Innovation Manager at Ducati Motor Holding, The C-V2X communication is definitely one of the key projects of the Ducati 2025 safety road map".

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LAND ROVER CELEBRATES 70 YEARS: A record parade of 70 Land Rovers, from first prototypes to the latest Range Rover Sport SVR drove the Goodwood Festival of Speed hill on Thursday 12 July in celebration of 70 years of Land Rover. The procession was led by a recreation of the very first Land Rover – a Centre Steer prototype – and 'HUE 166'; the first Series I pre-production prototype from 1948
picture: David Sheppard

The star of the first Dainese Settantadue collection is the leather jacket, a garment that unites generations of motorcycle lovers and never goes out of fashion. The three lines are called Archetypes, Speed Leather and Demon Flower. All created with meticulous attention to detail, they are inspired by the icons of the past. Archetypes takes cult products like the bomber jacket, the classic leather jacket loved by bikers, rockers and 60's-70's travelers alike, and brings them up to date. Speed Leather, meanwhile, features jackets such as Toga72, Rapida72 and Freccia72, which are openly inspired by the racing suits that Dainese used to produce when the company first set out on its journey. The exciting new partnership with New York artist Othelo Gervacio has resulted in Patina72, the highlight of the Demon Flower line. Patina72 is made of drum-dyed leather that has been brushed by hand. It takes its name from the work that Othelo created to embellish the lining of the jacket and that characterises the themed T-shirts.

www.dainese.com
www.thebikeshed.cc

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SUZUKI TOASTER £40.00

Yes really, get yourself a Suzuki toaster, part of the Suzuki genuine accessories range. This Suzuki toaster accommodates two slices of bread. It does more than toast, it will also perform an extra service as the toaster burns the iconic Suzuki logo into the toast. That makes it worth every penny we think.

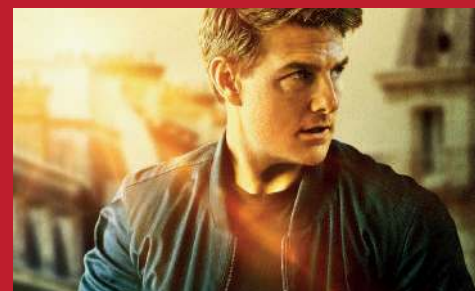
www.suzuki-shop.com



HUMMINGBIRD ELECTRIC £4495

With its 160 Wh lithium battery it has a top speed of 25 kph (limited) and a range of 30+ km. All this technology is packed into a discreet rear wheel hub that is just 180 mm in diameter and 120 mm thick. It can be fully charged in just two and a half hours, so there is no need for the rider to carry around a separate battery pack.

www.hummingbirdbike.com



MISSION: IMPOSSIBLE FALLOUT £9.32

We will do a lot more film work in Free Car Mag and we spent a lot of time negotiating with the film company on this and it came to nowt. Never mind, we will pop to the local cinema to see it as there seems to be a lot of car and aircraft stunts that we would enjoy. Also, Tom Cruise is in it.

www.missionimpossible.com



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NEW MUSSO

The new Musso is comprehensively equipped, has a sector leading 7-year/150,000-mile warranty plus loads of kit and infotainment.

Designed to carry passengers in comfort and transport loads securely, the Musso combines a five-seat crew-cab body style with a workman-like load deck that will take a full-sized Euro pallet. It also carries a payload of over 1-tonne and tows trailers of up to 3.5 tonnes concurrently to give the highest total load capacity in the segment.

The Musso is powered by the same e-XDi220 engine found in the Rexton and delivers a maximum power of 181ps at 4,000 rpm and a maximum torque of 400Nm at 1,400 to 2,800rpm. It is available with either a 6-speed manual or an Aisin 6-speed automatic. Inside DAB radio and Bluetooth connectivity feature across the range, with an 8-inch screen, Apple CarPlay, Android Auto and Wi-fi mirroring, or 9.2-inch screen with TomTom navigation on top line models.



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VAUXHALL EXCLUSIVE

Vauxhall's flagship Insignia is now available to order with bespoke paint colours that can be matched to any colour sample, which could be the colour of their favourite tie, bag or sports team. As well as bespoke colours, Vauxhall Exclusive buyers can also choose their preferred paint finish: **Metallic**, containing aluminium particles in various sizes, **Pearl effect**, containing minute fragments of ground mica or aluminium particles **Solid finish**, for a particularly strong tone, without any additional contents **Tinted clear-varnish finish**. The final layer of clear varnish is lightly coloured, giving this intensive and brilliant paint additional depth. So visit your Vauxhall dealer and challenge them to match your dream colour combination.

New generation SUV returns

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HYUNDAI SANTA FE

New Generation Santa Fe's feature the 2.2 CRDi "R" engine, upgraded with the addition of both selective catalytic reduction (SCR) and lean NOx trap (LNT) to further reduce emissions in conjunction with the diesel particulate filter (DPF) system, whilst maintaining the 200PS / 440Nm output. It will be available with front wheel drive or 4WD drivetrains, with 6-speed manual transmission or an all-new 8-speed automatic transmission.

BACKACHE CURE?



Jim Cobb wants a four year old car that can cope with pot holes and also provide some relief for his bad back.



A CAR FOR THE HEAD VAUXHALL INSIGNIA

The best value four year old car are always Ford Mondeos and Vauxhall Insignias, you get a lot of car for your money. They are relatively long and that means they ride better and are more likely to soak up bumps, what you have to avoid are low profile tyres and alloys which make the ride truly awful and crashy. I'll pick the Insignia here and go for a low mileage 2.0 Design CDTi. I found a one owner 11,000 mile 2015 example and automatic gearbox, for £9990.



A CAR FOR THE HEART VOLVO S60

It is essential for Jim to drive the cars of course as that is the only way to really know whether it does the job and is truly comfy. I think that an automatic gearbox is a huge help to stop extra back stress. Saab used to have the best seats and the more expensive cars usually do. The nearest we can get is Volvo, which has pretty decent seats and the S60 is worth a closer look. A 2014 D2 Business Edition saloon with a 1.6 Diesel at a car supermarket for £9498.

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Liam Hawley says he has a thousand pounds to spend (chuck away) on either a Lexus LS, or Mercedes S-Class.

CHEAPO LUXOBARGE



A CAR FOR THE HEAD LEXUS 400

This would have to be the Lexus 400. This is the luxury car defined which has lots of space, effortless refinement and every gadget you could wish for. On any journey both drivers and passengers are pampered by a brilliantly smooth ride. Whether you are in the front or rear the experience is certainly sublime as there is lots of room for everyone and the seats are so comfortable. As a used buy, they are reliable, but parts are expensive. We found a 1999 example for £700 and apparently mint.

A CAR FOR THE HEART BMW 7 SERIES

I would steer Liam away from the Mercedes to a BMW 7 series. The model made up until 2002 is good looking, reliable, very smart looking and fun to drive. This 7 Series is essentially a larger version of 3 Series with some luxury knobs on and just as lovable. Just the simple side of too complicated. Buyers have to watch out for suspension that is expensive to fix, electricals failing and sometimes leaky fuel tanks. We found a 1996 730i converted to run on Liquid Petroleum Gas, so mpg would effectively double, for £950.



VOLVO 440 FACTOIDS



The design of the Volvo 440 is attributed to Peter van Kuilenburg, who worked at the design department at Volvo Car B.V., but its shape was based on the G4 prototype designed by Jan Wilsgaard, Head of Design.

A Dutch company offered an estate conversion kit.

The tailgate of the hatchback was removed and replaced with a roof, side windows and bootlid made of fibreglass.

A rallycross version of the Volvo 440, fitted with the Volvo 2.3-litre, 16-valve engine producing 715hp, competed in 1992. This car also had four-wheel drive. the oil level was correct. Personvagnar AB and Mitsubishi Motors.

440 Turbo had a trip computer showing fuel consumption, average speed, fuel range, oil, coolant and external temperature.



Volvonomics

Volvo 440/460 1988-97 as a hatchback always disappointed even though it does have some merits in that it is practical and can be persuaded to be reliable, if looked after. 440 plus a boot equals the 460 which was an improvement on the 440. Better quality and a more coherent model. Both though are safe and well equipped. If the name Volvo means anything it is safe. Although modern Volvos are getting sexy that is not something the 400 series can be accused of being. Dull, sensible, but certainly better looking after a 1993 facelift. Other motorists won't envy a 400, but they will respect it.

Checkpoints Minor rust. Overheating engines. Gearboxes difficult to use. Smoky engines. Service history essential. Electrical problems, so try all the gadgets.

Value for Money

Important to shop around. Well cared for private owner examples the best. Multi-owner tatty examples to be avoided. 460 saloon model in particular is overlooked, underrated and often cheap. Equipment levels can be on the spartan side.

Comfort 440 never really feels like a quality car. A fair amount of room inside, even in the back. Interior fittings are cheap. At least dashboard layout is good. Ride is quite smooth and comfortable.

In the 460 saloon package, a lot more refined and probably worth an extra star.

Practicality Big boots on both models, plus spacious interiors make the 400 models potentially useful, provided there are no reliability doubts.

Driving A big surprise is that the 400s handle and stop very well. They could almost be described as agile. The big disappointment has always been the engines which lack any excitement. Fine for just pootling around in though.

Performance Turbo version has proved quick, but not the most practical, or durable model. All the other units feel desperately slow and very dull, even though performance is actually reasonable. 2.0 most relaxing, but smallest 1.6 is capable enough.

Economy Not bad, all engines return mid 30s mpg, whilst the noisy, but otherwise frugal diesel manages 46mpg.

Safety You just automatically feel safe in a Volvo even though active items only fitted from '93 in the shape of an airbag, side impact protection and seat belt pretensioners.

Sum Up 460 is the most accomplished and Volvo like of the range. 440 has the practicality edge. Aim for the later and prettier post '93 model with 1.8, or 2.0 power.

Have your say  @Bangernomics  YouTube



The Ice Cold Story of the 440

The Volvo 440 was a five-door family car that shared its technology with the 480 sports coupé. Volvo Work on what later became the Volvo 440 began back in 1978. In September 1980, the first front-wheel-drive prototype was ready. Although its primary aim was to test the various functions, in terms of appearance it resembled what later became the Volvo 440. The G4, as the prototype was called, displayed the attributes that Volvo was looking for: it had front-wheel drive and it was fun to drive, and interior space was good while external dimensions remained compact.

The Galaxy project later culminated in the launch of two model series. The big 850, which was presented in the summer of 1991, had the greatest impact, but the 400 programme actually came about several years earlier. That part of the project was taken over by Volvo subsidiaries in the Netherlands in 1992, and this was where development work continued.

The first of Volvo's new front-wheel-drive models was the 480 sports coupé, The Volvo 440 was a modern hatchback with a practical rear seat that was split into two sections. The centre panel on the dashboard faced the driver, making it easier for him or her to access the controls. All the engines were four-cylinder units with a single overhead camshaft, from 1.6 to 2.0 litres, including a 1.7-litre turbo model.

Safety was a prime consideration, and anti-lock brakes (ABS) were available as an optional extra as early as 1989. Seatbelt pretensioners and airbags were optional extras from Model Year 1991 onwards, and Volvo's integrated side impact protection system (SIPS) was introduced to the model in 1994.

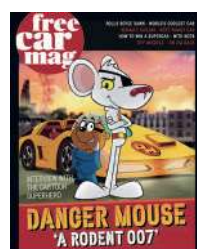
The 440 was produced in Born in the Netherlands, where the predecessor models (the 340/360) and the 480 were also manufactured.

The next model in 1989 the 460, a saloon version of the 440 and 10 centimetres longer. Production of the Volvo 440 and 460 was discontinued in November 1996; successors, the S40 and V40, had been in parallel production for more than a year at that time.

For more used car information and buying tips bangernomics.com

FCM 63

There is going to be a rather wonderful celeb heavy celebration of electric racing Jaguars. There will be even more racing in the shape of the British Touring Cars. We will have interviews, pictures and hot lap impressions... can hardly wait.



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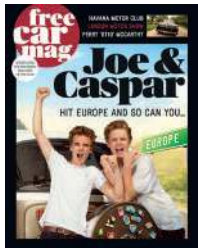
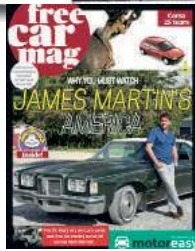
SPENCER HAZE

7

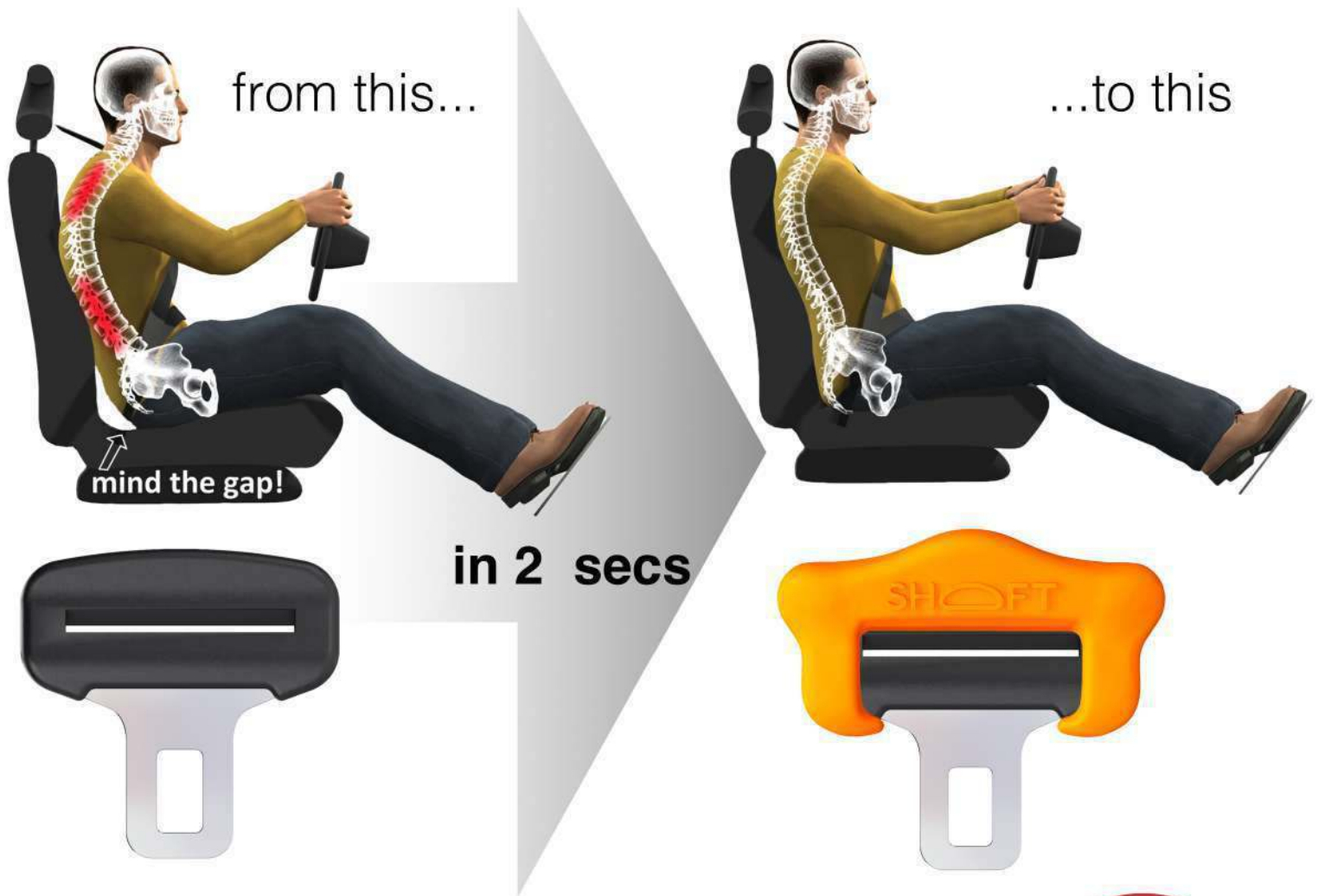
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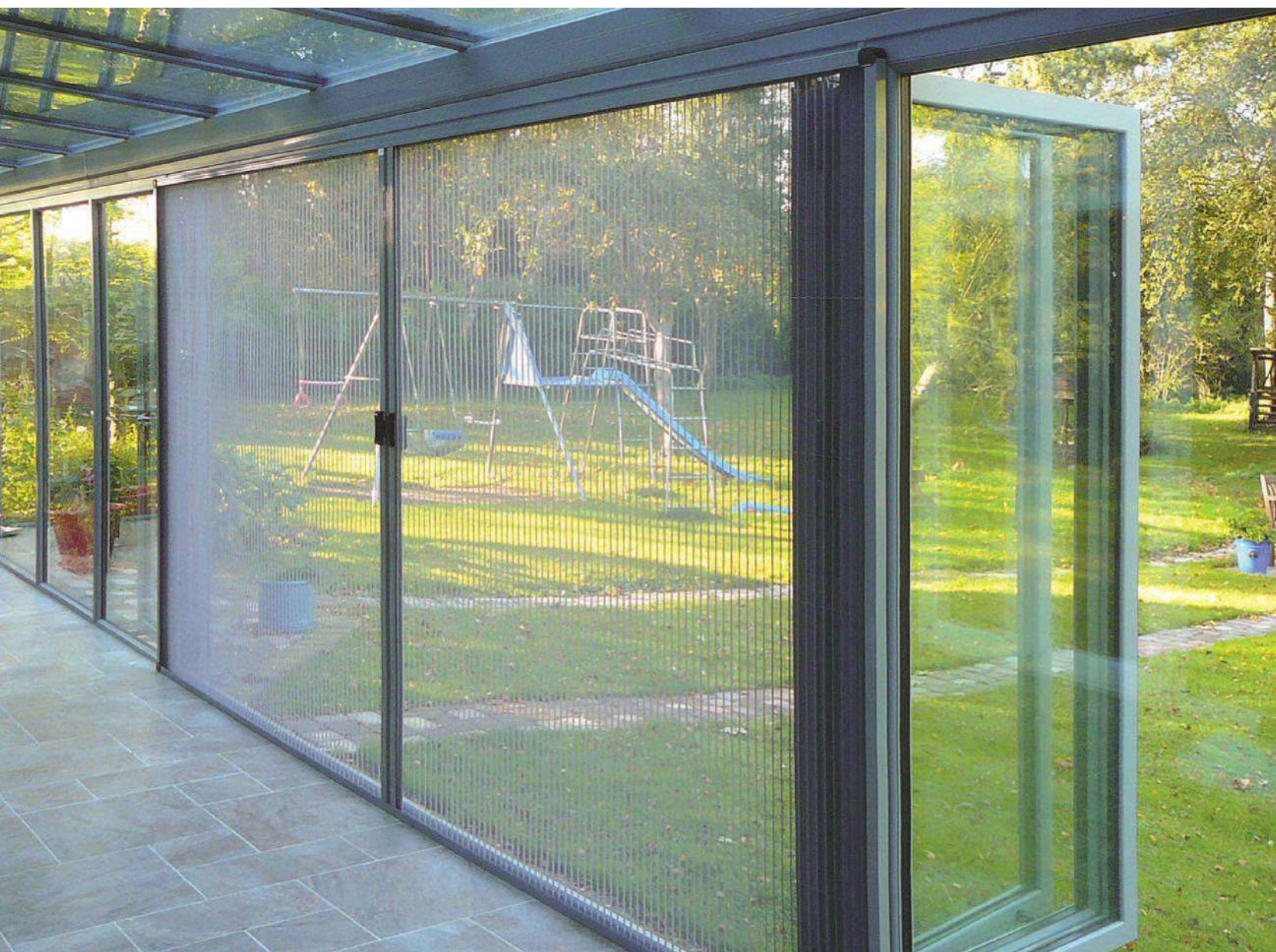


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