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*Only available on models equipped with 4WD 1.6 DIG-T. Model shown is a Juke n-tec 1.6 petrol priced at £16,400 On The Road with optional metallic paint at £500. Models subject to availability. Google™ Send-to-car and Google Send-to-car and G

Fuel consumption figures for Juke range are: URBAN 28.8-61.4mpg (9.8-4.6L/100km), EXTRA URBAN 47.1-76.3mpg (6.0-3.7L/100km), COMBINED 38.2-70.6mpg (7.4-4.0L/100km), CO₂ emissions 169-104g/km.

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THERE REMAINS A PREJUDICE TOWARDS THE GT-R;

my theory is that it's generational. The old guard hate it because it evokes feelings of displacement in the modern world, whereas the younger generation love it for being a beguiling mashup of the digital and the punk and thus a tool of revolution – a weapon to smash quaint old supercars with their multi-cylinder engines and prehistoric manual gearboxes, if you like.

GT-R comments on forums and YouTube make fascinating reading. The dialogue tends to consist of attack and counter-attack; GT-R fans v GT-R haters in a non-violent conflict of bad spelling and emoticons. 'Mehs', 'don't cares', or 'whatevers' simply don't exist in relation to the GT-R. If you like cars, you have an opinion on the GT-R.

The winner in this is Nissan, and it's no fluke victory. It has remained true to the GT-R's core characteristic (driver-empowering technology), proved the car in motorsport again and again, and embraced the world of modern gaming via Gran Turismo, thus capturing the attention of the next generation of performance car fans. This three-pronged brandbuilding assault has ensured that the GT-R has transformed itself from a mythological domestic-market monster into a global phenomenon. Nissan has also been punchy with the GT-R, needling rivals and never shirking a challenge.

Nissan's nurturing of the Gran Turismo generation is particularly important. Last year, I visited the incredible Nissan 'DNA Garage' in Kanagawa with a group of younger motoring journalists, including a pre-evo Dan Prosser. At 39 I felt ancient, but not so old that I couldn't trade stories with the others of racing GT-Rs in Gran Turismo 2. There is little doubt that our formative experiences of the car in the digital world shaped our understanding of the GT-R today. When we came face-to-face with the real Pennzoil GT-R (see page 74), I halfexpected everyone to kneel. In fact, I'm pretty sure Prosser did.

So Nissan has promoted the GT-R's attributes brilliantly, but marketing is nothing without the product to back it up. Today, 25 years after Nissan rebooted the GT-R, it remains irrefutably a drivers' car. It prevails in matching technology and emotion (where others still struggle), its performance/price/practicality ratio is unmatched and its ability to detangle even the most twisted road in any weather is simply extraordinary.

Is it better than a multi-cylinder supercar with a manual 'box? Well, on this I have to defer to one of the wisest YouTube commenters I've ever come across, who stated on our GT-R v 911 Track Battle page: 'People arguing which is better makes me laugh LOL buy the one u personally like and the one that makes u happy!' Not Shakespeare, granted, but I couldn't agree more. The only thing I'd add is that if you've never driven a GT-R, please book a test drive soon. Any thoughts of it being 'too digital' or that it 'drives itself' will disappear almost immediately in a lurid dose of oversteer and diff chunter.

Finally, it's farewell to Mike Duff this month, who leaves **evo** after two and a half years. A talented writer and real car enthusiast, we wish him well on his next journey.

Nick Trott Editor (@evoNickTrott)



The evo app has received a big update this month, with improved stability, a better search function, and the ability to manage downloaded content for offline reading.



TW STEEL

evo TRACK **EVENINGS**

Watch brand TW Steel is partnering evo's track evenings this year. Join the evo team on May 30, June 27 and August 29. For more details, visit evo.co.uk/shop

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We celebrate one of the very best sports cars on sale, one which manages to mix genreleading technology with real driver involvement, continent-crushing pace with four-seat practicality, and supercar-shaming acceleration with a relatively bargain price tag. Here are the key reasons why the Nissan GT-R has changed the performance car world, kicking off with a comparison of every 4WD version, right back to the R32 Skyline

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McLAREN 650S

The McLaren 12C is dead, having evolved into the harder, faster, stronger 650S. But is it better? We find out on road and track



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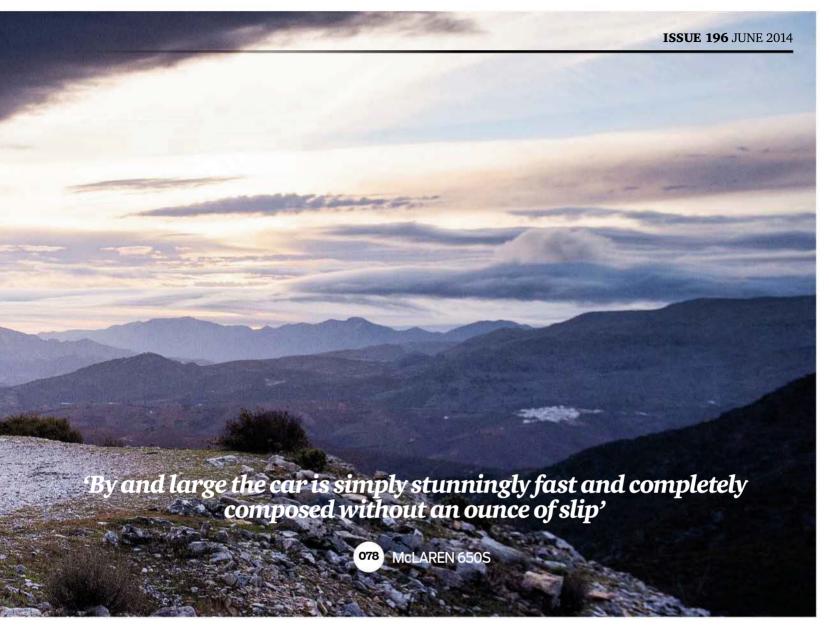
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Celebrating what used to be the hallmark of great sports car design and the star of every childish supercar doodle – the pop-up headlight

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MORGAN'S
PLANS FOR
THE FUTURE

MD Steve Morris explains how life will go on post-Charles Morgan



News, new metal, investigations, interviews, technology and more...

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LATEST M3



p14 DAVID **BROWN ROLLS BACK THE YEARS**

British marque creates Jag-based Aston Martin DB5 throwback





The maker of the Farbio GTS has created a new V8-engined supercar with an estimated 565hhn





Boxster and Cayman GTS models are the quickest of their kind ever made



SO FAR. AMG versions of the Mercedes C-class have struggled to beat the mighty

BMW M3. But with the new C63 set to debut later this year with two extra cylinders and a solid power advantage over its most bitter rival, don't be surprised if Mercedes emerges victorious from the next scrap.

We're still several months ahead of official images, so what you can see here is a rendered image based closely on spy shots of the next AMG C-class testing. Visually, it's going to be pretty much as you'd expect - chunkier and more muscular than the standard car, with a lower stance and bigger wheels. It will launch as a saloon, and coupe and estate versions will follow.

But it's under the surface that the new C63 gets what could turn out to be its killer advantage. BMW has opted to switch the new M3 and M4 to a turbocharged 3-litre straight-six, but AMG is sticking with V8 power. The C63 will give the division's new 'M177'

> twin-turbo 4-litre engine its debut. It's down on capacity versus

the old 'M156' 6.2-litre naturally aspirated V8. as seen in the outgoing C63 and the soon-to-retire SLS, and although power levels won't rise substantially, you can be assured the new car will enjoy a healthy margin over the M3 and M4, which will have 425bhp.

We're expecting the Mercedes to produce between 470 and 500bhp, meaning it will maintain (or even increase) the advantage the previous car enjoyed over the V8 M3. We can also be certain that torque will rise from the 442lb ft of the outgoing C63. and will peak far lower down the rev range.

Yet what's really interesting when we chat to Tobias Moers, AMG's boss and former engineering supremo, is that no serious consideration was given to switching the new C63 from eight cylinders. 'AMG is a V8 company and will always be a V8 company.' he says. 'We have to switch to turbocharging because we're looking for the compromise between fuel efficiency and power output. But it has to be a V8, never a six-cylinder.'

One of the main appeals of AMG's eight-cylinder products has always been their sound. It's something Moers says was at the heart of the development of the new engine: 'The

noise is what you feel every day when you start the engine, when you hit the throttle.

We all hear it - it's where the emotion comes

> from. The new engine sounds good. It sounds different because every engine always sounds different. But it's still a V8 because AMG stands for that sound - our customers expect that, it's one of the main reasons they choose an AMG.'

Would AMG ever consider butching up the soundtrack with an 'active' system,

like Volkswagen and BMW? A look of disgust crosses Moers' face and he waves the question away: 'Never!'

Although not officially confirmed, we're certain the new car will continue with the familiar seven-speed MCT Speedshift gearbox, which combines a planetary-gear automatic with a wet clutch. Moers also says that, despite the availability of four-wheel-drive versions of the new C-class, the AMG version will only be rear-wheel drive.

high-tech features will be present. such as location-based gearchange programmes, potentially used in conjunction with circuit mapping.

Although the new V8 will make its debut in the C-class, it's set to spread throughout the AMG range. Next vear we'll see it in the new AMG GT - the replacement for the SLS - and Mercedes insiders have confirmed the new motor will have a range of power outputs. As the C-class's position in

'No serious consideration was given to switching the C63 from eight cylinders'





This is despite the fact that AMG is now selling far more 4matic versions of its E- and S-classes in markets where buyers are offered a choice. Apparently there isn't sufficient demand for an all-wheel-drive C-class to justify the cost and complexity.

And although the standard versions of the new C-class can't muster much evo-type excitement. there's no doubting that the new car's extremely stiff and light structure gives AMG's engineers a great basis to work from. We can also safely anticipate that some of the new car's





the hierarchy means it will get a less powerful tune, it's safe to conclude there will also be brawnier versions, the engine ultimately replacing the twin-turbo 5.5-litre V8 that powers the more senior end of the line-up.

Finally, the name. There's no confirmation that Merc will stick with the '63' branding, especially as the new engine's capacity loses any link to the number, but we'd be very surprised if it didn't. A Mercedes insider tells us that it 'has become almost as much of a brand as AMG has these days - it's shorthand for the V8 engine'.

Meeting M the new Mr Morgan

Steve Morris, Morgan Motor Company's managing director, explains how the company will fight on after Charles Morgan's acrimonious exit

Words: Mike Duff



YOU WON'T NEED reminding that things got very heated at Morgan last October, with the ousting of

Charles Morgan, the company's strategy director and former MD.

The move seemed as incongruous as Enzo Ferrari getting marched out of Maranello in the late 1960s. Not only is Charles Morgan the grandson of the company's founder (and the son of a previous managing director), he's also a major shareholder and had been a charismatic ambassador for the brand. From the outside, there was no obvious reason for the sacking – the company was profitable, sales were strong and the newly launched 3 Wheeler was a runaway success.

Morgan responded furiously to his sacking, even telling us that he was considering setting up a rival company

(evo 191), a claim that's since been retracted. But six months on, we've come back to Morgan Motor Company's Malvern Link home to meet up with managing director Steve Morris and to give him a chance to tell us about his vision for the future of the brand.

He might not share his surname with the company, but Morris is Morgan through-and-through, a one-time apprentice who worked his way up to become managing director when Charles Morgan moved to his strategy role. He speaks with a Worcestershire accent, in contrast to his predecessor's clipped vowels, but his knowledge of the company is near-total and his petrolhead credentials are confirmed by the C63 AMG daily driver that sits outside. We start with the obvious question - what's changed since Charles Morgan's departure?

'I've been in my current position



since January last year, so there wasn't a big change when Charles left,' says Morris. 'I'm very focused on running the business. We're still completely family-owned, there's no change in that structure or anything. From my point of view the focus is on moving forwards not looking backwards.

There's no doubting Morris's ability to run the company day-to-day, but who, if anyone, is going to step into the ambassadorial role that even Charles Morgan's critics admit he did so well? 'I think that comes from within the management team we've put in place,' Morris explains. 'We haven't parachuted people in, we've promoted from within the organisation. From that ambassadorial point of view I like to think that I can comfortably talk about Morgan, that we all can. I'm not pretending to be anyone else, I'm doing my job and I like to think that I can step up to that.

We know that Charles Morgan fell out with the board over his plans for the future of the company and the launch of several new models, one of which was the EvaGT, a four-seat coupe that was set to have a BMW straight-six engine and magnesium alloy bodywork. Morris confirms the project has been iced indefinitely. How much effort (and money) was expended on it?

'From a body perspective, not massive,' he says. 'Engineering-wise we did some work on the chassis, but we got to the point where we had to draw a line in the sand from an investment perspective. Any new platform is just extremely costly... I think the recognition here is that we must do things to the very best of our ability. There's a chance of spreading yourself too thin in a small team. We recognised that we want to focus on the Plus 4, the 3 Wheeler and the aluminium-platform vehicles we do. At the moment our focus is on being rock-solid in those areas.'

Morris is proud of the efficiency with which the factory is run, and the company's habit – which he is probably the best proof of – of promoting from within. A new training academy is being set up to help create the next generation of employees, and most of the senior management have been promoted from within.

But although he's adamant that R&D spending levels haven't been cut, Morris acknowledges that much of the investment is now going on keeping the current model range legal for sale in the company's key markets. The traditional models - the Plus 4 and its derivatives - remain popular in Europe and Asia. 'When we launched in China we were intending to sell the aluminiumplatform vehicles, because of all the press about Aston and Rolls-Royce and Bentley. But we found that the classic car is far stronger – it's the bedrock of what we do there.'

Although the 3 Wheeler can be sold in America (where it comes under motorbike homologation rules). none of the company's four-wheel products now make it to the States, despite the sizeable spending on getting the Aero family of cars through rear-impact testing a few years ago. 'We never got what we needed from a sales perspective in the States,' Morris admits. 'We'd love to go back there





Far left: Morgan MD Steve Morris. This page: Roadster (above), Plus 8 (left), 3 Wheeler and Aero Supersport (bottom) will remain in Morgan's model line-up. **Below:** EvaGT plan has been canned

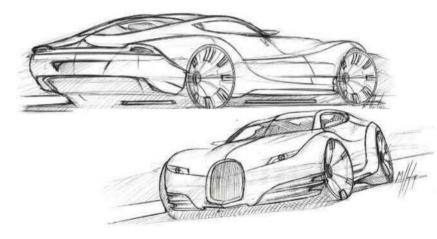
'Morris acknowledges that much of the investment is now going on keeping the current model range legal for sale in the company's key markets'

properly, but it's a chicken-and-egg situation – if we could guarantee sales then we'd speculate to accumulate.'

Although Morris reports that the Aero platform is more than strong enough for any current US impact standard, any cars going to the US would need smart airbags and more rollover protection, as well as a switch to a newer version of the BMW V8 that powers the Aero and Plus 8.

Morgan under Morris is a company determined to stick to what it knows. It's clear that big investment projects are going to be approached very carefully in future and that growth will mostly come from new markets and new variants of existing models. It's an approach that's seen the company survive for more than a hundred years, of course, but it does raise the question of whether a step-change project like the Aero 8 or 3 Wheeler would receive backing.

'We're Morgan and we stand for what we stand for,' Morris says. 'Don't try to be something that you're not, basically. We'll always be a niche product. There's room for us to be different.'











Above: picnic bench folds out from boot. **Below:** many parts have been prepared by hand, outside and in



David Brown gets retro with Speedback

New British marque creates luxury grand tourer, based on a Jaguar XKR but styled to resemble an Aston Martin DB5 words: Stephen Dobie



MEET THE DAVID Brown Speedback GT. It's another entrant in the modernisedclassic genre – see

also Eagle's E-types and Singer's 911s – but rather than fine-tuning old technology, there's a modern car lurking underneath the retro skin.

While its styling imitates cars of the 1960s, the Aston Martin DB5 in particular, its drivetrain comes courtesy of the Jaguar XKR. David Brown Automotive takes the XKR's powertrain and rolling chassis and attaches its own hand-crafted aluminium panels to the structural hard points.

Various parts of the GT's design have been created with 3D scanning and printing, while a more traditional hand-applied primer, paint and lacquer process accounts for the 120 hours that go into perfecting the car's exterior finish. No weight figure has been announced, but with the quoted 4.6sec

0-60mph time identical to the XKR's, something close to the Jag's 1678kg is likely. Top speed is limited to 155mph.

David Brown Automotive is funded by and named after a British businessman who is not related to the former Aston boss of the same name. So what inspired him to create the GT?

'i'd always dreamed of making a small-volume car, a thoroughly engineered thing rather than just coachbuilt,' he told **evo**. 'With modern technologies such as plastic printing and CNC machining, it's become possible.' Are Eagle and Singer his inspiration? 'Yes and no – they're slightly different. I love what they do but I think our car will be more useable.'

The story that led to the 2+2 Speedback is an ill-fated classic car rally, when a hired Peugeot 106 proved more pleasant than a friend's recalcitrant Ferrari Daytona. 'I've been on classic car events and you can get a ton of fun out of them, but not many people have a wife or girlfriend along and most people don't spend their evenings in nice restaurants – they're underneath their car,' said Brown. He reckons the combination of a classic shape without a constant need to fix things will appeal to far eastern markets in particular.

The XKR's combination of a 503bhp supercharged 5-litre V8 engine and a six-speed automatic gearbox is described by Brown as one of his 'all-time favourites', and while the numerous versions of the XK – from the naturally aspirated base model to the wild XKR-S GT - offer the chance for Brown's customers to choose something different, he is keen that his vision for the car isn't too heavily altered: 'I wanted a lazy drive and lots of torque and grunt - discretionary performance. I do like to think of this as a gentleman's grand tourer – it's not a trackday car.' A picnic bench that neatly retracts from the boot - originally an intern's idea – rams this point home.



'RATHER THAN FINE-TUNING OLD TECHNOLOGY, THERE'S A MODERN CAR UNDERNEATH'

The Speedback takes its public bow at the Top Marques show in Monaco this April, with public reaction set to shape where the firm goes next. Brown can see other models joining the GT: 'The ethos of what we're creating has a lot of future. The Britishness of the product is something I'd want to keep. There are other platforms out there I'd want to use. If we can have a little innovation mixed with traditional craftsmanship, I'm happy.'

No price had been announced as we went to press, but a number well into six figures is expected. ■

News in brief



BMW M4 Convertible

There are few shocks or surprises in the soft-top M4: it takes the hardware of the Coupe (headlined by a 423bhp twin-turbo straightsix engine) and squeezes it under a more aggressive version of the 4-series Convertible's body. And while it's 60kg lighter than the old M3 cabrio, it's still a portly 1750kg. Prices for a six-speed manual version start at £60.430: DCT adds £2645.



Mercedes S63 Coupe

The new S-class Coupe gains the powertrain of the S63 AMG saloon, meaning a 577bhp 5.5-litre twinturbo V8 driving the rear wheels via a seven-speed auto 'box. For righthand-drive markets it's rear-drive only; LHD customers get the option of 4matic AWD, which cuts the 0-62mph time from 4.3sec to 3.9. UK prices will start at around £110,000.



Peugeot Exalt concept

At the Beijing motor show, Peugeot displayed another sexy concept car that will likely never see production. Powered by the RCZ R's 1.6-litre THP engine and with a 50kW electric motor at the rear, the 335bhp Exalt drives all four wheels. It has hand-beaten bare steel panels, plus 'shark skin' fabric - said to improve aerodynamic efficiency - at the rear.



IN NEWS THAT dropped no car industry iaws. McLaren has confirmed the end of

12C production. The British supercar firm was curiously keen to talk up the 12C's future upon revealing the 650S at March's Geneva motor show, but the new model's popularity has swiftly quashed that.

'Following the temporary suspension of 12C and 12C Spider production. McLaren Automotive confirms that a

six-month order bank of the McLaren 650S has already been built and, as a result, the McLaren Production Centre will now focus completely on producing the McLaren 650S moving forward, the company revealed.

The new 650S (driven on page 78) has more power and technology than the 12C it has been spun off, so the decision was expected. McLaren also announced that a number of the 650S's developments will be offered as a free retro-fit 'Technology Upgrade'

to the 12C. These include new software to make the Airbrake rear spoiler reactive in more situations, and the latest version of the Android-based infotainment system. This move should help keep recent (and potentially quite peeved) 12C buyers sweet.

McLaren has sold 3500 12Cs in its three years on sale, and the open-top Spider has accounted for 80 per cent of sales since its 2012 introduction. The 650S starts at £195.250, nearly £20.000 more than the 12C's kick-off point.

Bentley's hybrid future

Mulsanne concept points to eco-friendlier direction words: Matthew Hayward



BENTLEY INTRODUCED this Mulsanne-based Hybrid Concept (below) at the recent Beijing

motor show, and announced that it has been busy developing petrol-electric drivetrains for its entire range.

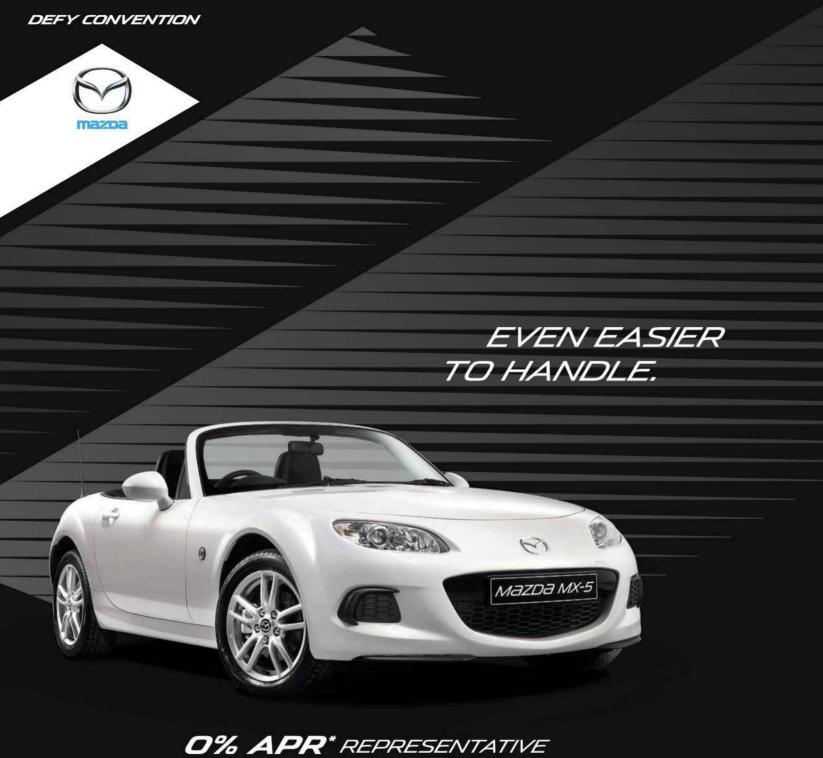
Going hybrid is a big part of Bentley's future plans, and chairman Wolfgang Schreiber has confirmed that 90 per cent of the firm's model range will be available with a hybrid option by 2020.



with the launch of the company's new SUV, which has also been previewed by a new teaser shot (above).

With ever-increasing sanctions based on CO2 output, hybrid tech seems to be the logical future for luxury cars, with benefits in refinement and performance to be had. This concept can run in zero-emissions electric mode for up to 31 miles. Visual changes are subtle, although the show car was emblazoned with copper decoration on the brake calipers, headlights and badges.

Bentley reckons its plug-in system can deliver a 25 per cent increase in power – which would mean around 625bhp in total for the Mulsanne along with a 70 per cent cut in carbon emissions, all while staying true to Bentley's 'outstanding luxury and effortless performance' mantra.



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Mazda.co.uk

The official fuel consumption figures in mpg (I/100km) for the Mazda MX-5 range: Urban 25.4 (11.1) - 28.8 (9.8), Extra Urban 45.6 (6.2) - 50.4 (5.6), Combined 35.3 (8.0) - 39.8 (7.1). CO₂ emissions (g/km) 188 - 167.

The mpg figures quoted are sourced from official EU-regulated test results obtained through laboratory testing. These are provided for comparability purposes only and may not reflect your actual driving results. Retail sales only, subject to vehicle availability for vehicles registered between 01.04.14 and 30.06.14 at participating dealers. T&Cs apply. *0% finance available on all Mazda MX-5 models. At the end of the agreement there are 3 options: (i) Renew: Part exchange the vehicle, where equity is available, (ii) Retain: Pay the Optional Final Payment to own the vehicle or (iii) Return the vehicle. Further charges may be made subject to the condition of the vehicle. Finance subject to status, 18s or over. Guarantee/Indemnity may be required. Mazda Financial Services RH1 ISR. Model shown: Mazda MX-5 1.8i SE Air Con, OTR from £18,495. Model shown with optional Crystal White Pearlescent Paint (£520). OTR price includes VAT, number plates, delivery, 12 months' road fund licence, first registration fee, 3-year or 60,000-mile warranty and 3 years' European roadside assistance. Test drives subject to applicant status and availability. Details correct at time of going to print. Not available in conjunction with any other offer unless specified.





Farboud returns with 458 rival

Creator of Farbio GTS reveals first prototype of low-volume AF8 supercar. Claimed 565bhp from 7-litre V8: £165k price tag

Words: Dan Prosser

AFTER SEVERAL YEARS away from low-volume sports cars, Arash Farboud is returning with a new company, Arash Cars, and a clean-sheet mid-engined supercar. And Farboud, responsible for the Farbio GTS (now under Ginetta's control) and the stillborn 1200bhp AF10, says that this is his most commercially viable venture vet.

His new Arash AF8 is based around a lightweight tubular steel and carbonfibre hybrid spaceframe, with a six-speed manual gearbox and a GM-sourced LS7 V8 engine producing a claimed 565bhp. It'll be made at a purpose-built facility in Newmarket and is due to make its public debut at the Goodwood Festival of Speed in June.

The AF8 weighs a slim 1250kg at the kerb, thanks in part to its carbonfibre bodywork. It'll cost £165,000, which undercuts the Ferrari 458 and McLaren 650S by around 10 and 20 per cent respectively, and possesses a claimed power-to-weight ratio that eclipses the Ferrari. Suspension is by double wishbones all round, while the brakes are supplied by AP Caparo.

The first prototype of the aggressively styled AF8 (pictured) is said to be 90 per cent representative of the production model and is currently in the final stages of chassis tuning ahead of the build of a second prototype. Farboud expects to sell up to 36 units each year once production at Newmarket is up to full capacity.

evo asked Arash Farboud some key questions on his latest project...

What's different this time around?

Firstly, the factory: it's our own space to be comfortable in. Secondly, we're in full control of everything, as it's no longer a series of sub-contractors and we make 90 per cent of the car in-house in composite. Thirdly, our control of the intellectual property rights is another step further forward. The basis is a lot stronger than it was ten years ago. I've also accepted that I can't be a massive volume car company, so I'm embracing the fact that we are lower-volume.

Why didn't the Farbio GTS work out?

It was the right idea, but probably

not the right surroundings and I didn't have experience to carry it through. I didn't have the confidence then, but I have now. I've served a 15-year apprenticeship, learning about composites, aerodynamics, powertrains, suspension and customers.

Who do you take inspiration from?

All the usual suspects, but particularly McLaren. They've shown you can turn around a brand in four years. I've always said a brand can be turned around in three years - introduction, sustenance and re-evolution.

Can you emulate those brands?

It would be arrogant for me to even think that way: they're super-brands. Maybe in 50 years. In the short-term we can only be seen as a boutique sports car company.

What comes next?

I'm always thinking about the next car. We're looking at forced induction, active aerodynamics, electric motors and more. I'm trying to run before I

can walk all the time. It's my natural inquisitiveness. When Enzo was asked which Ferrari was his favourite, he'd say: 'The next one.' That's a great attitude. I'm thinking 'spaceship' all the time.

evo comment

On the face of it, Farboud will have a tough time persuading buyers away from Ferrari or McLaren and into his new and unproven AF8. With modest sales ambitions, though, he might just find a handful of buyers each year who have room in their collections for an esoteric supercar or who feel they've 'been there, done that' with the established brands. Understanding the demands of these rare buyers will be absolutely crucial. Farboud expects the majority of AF8s to find homes in the Middle East, where anecdotal evidence suggests buyers are beginning to recognise the significance of power-to-weight ratio over peak power. Power-to-weight is where the AF8 scores highly against its rivals. **DP**



PORSCHE HAS officially unveiled GTS versions of the Boxster and Cayman, marking the badge's debut on the mid-engined pair.

Both cars get a 15bhp rise over the S models they sit above, and while they use essentially the same 3.4-litre flat-six engine, their power outputs differ: the Boxster GTS boasts 326bhp, the Cayman GTS a slightly healthier 336bhp.

Combined with small rises in torque (the Boxster has 273lb ft, the Cayman 280lb ft), performance has improved enough to make these the quickest of their breed yet, surpassing even the old Boxster Spyder and Cayman R. The Boxster GTS can complete the 0-62mph dash in as little as 4.7sec on its way to a 174mph top speed, while the Cayman is 0.1sec quicker to 62mph and hits a 177mph maximum.

'PERFORMANCE HAS IMPROVED TO MAKE THESE THE QUICKEST OF THEIR BREED YET'

Some of Porsche's more popular options are fitted to both cars as standard, including PASM adjustable dampers and Sport Chrono, which includes dynamic engine mounts and, if you've picked the optional PDK transmission over the standard six-speed manual, launch control. Also standard are 'Dynamic Lighting System' headlights (with swivelling main beams and speed-sensitive range control) and black 20in 'Carrera S' alloy wheels, while the interior gets plenty of Alcantara and a red rev-counter. Among the key options are PTV torque vectoring and 20mmlower sports suspension.

The Boxster and Cayman GTS,

priced at £52,879 and £55,379 respectively in the UK, command around £6500 more than their S-badged relatives.

Cayman sales are currently split around 50/50 between the base 2.7-litre and the 3.4 S, while Boxster numbers are a little more biased to its base model. Although there are no sales projections for the GTSs, their desirable extra equipment and renewed dynamic focus could make them the picks of their ranges.

Intriguingly, a Porsche spokesman has confirmed that the Cayman GTS 'doesn't aim to replace the R', so it seems fair to assume a new R will follow, but probably not this year.

What's more, **evo** has learned that future generations of Boxster and Cayman will get turbocharged flat-four engines. The V4 that forms the petrol part of the drivetrain in the 919 Hybrid racer will aid Porsche's downsizing development.





Left: Alcantara dominates GTS interior. **Above:** Cayman GTS is claimed to hit 62mph in as little as 4.6sec

News in brief



Hennessey Venom special

America's Hennessey Venom GT is claiming to be the world's fastest production car, with a Vbox-verified 270.49mph, and there's a special edition to celebrate. The 'World's Fastest Edition' features a patriotic white, red and blue colour scheme. Priced at \$1.25m (c£750k), all three examples are already sold.



Mitsubishi Evo X FO-440

A limited edition of just 40 cars, specifically for the UK, the FQ-440 pumps out 440bhp and 412lb ft from its turbo 2-litre engine. Its suspension is lower than standard (by 35mm front, 30mm rear) and features uprated Eibach springs, while the only transmission offered is Mitsubishi's SST twin-clutcher. The FO-440 costs £50,000.



Chris Hoy races GT-R

Six-time Olympic cycling gold medallist Sir Chris Hoy has joined the Nissan Driver Development Programme with the aim of racing at Le Mans in 2016. After getting a taste for racing during his time in the Radical SR1 Cup last year, Hoy is now set to compete in this year's British GT Championship driving the latest GT-R Nismo GT3 car.



PEUGEOT RECOMMENDE TOTAL Official Fuel Consumption in MPG (I/100km) and CO₂ emissions (g/km) for the 208 Range are: Urban 32.8–78.5 (8.6–3.6), Extra Urban 54.3–88.3 (5.2–3.2), Combined 44.1–83.1 (6.4–3.4) and CO₂ 149–87 (g/km).

EXTR Urban 54.3–88.3 (5.2–3.2), Combined 44.1–85.1 (6.4–5.4) and CO2 (49–87 (G/Km).

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PEUGEOT 208



This month

PORSCHE 911 TARGA 4S

991 with folding roof panel combines style with 394bhp



Hot Al comes with 228bhp and 4WD. We try it on ice



Uprated Fiat 500 enters hot hatch ring with £19k price tag



BMW tuner gives M135i 355bhp and reworked suspension



One-wheel-drive sports car is tweaked and upgraded



Third-gen Mini takes on current small hot hatch benchmark



The first estate-based touring car racer for 20 years















The test team

This month, we asked our road testers to name the first Porsche they ever drove (or can remember driving...):



NICK TROTT

'I was a rookie journo driving a 996 GT3 RS in biblical rain in Wales. Fear, joy, fear, joy, fear, joy – for three hours.'



MIKE DUFF Motoring editor

'996 Carrera 2, just after it launched in the UK. I had to drive it across central London and didn't get above 40mph...'



HENRY CATCHPOLE Features editor

'Issue 087, **evo**'s 993 Carrera 2. John Lyon taught me its wiles at Millbrook and MIRA. It oversteered. I smiled.'



DAN PROSSER Road tester

'A Boxster S. It was the first time I'd ever felt such direct, communicative steering. How much is an early model these days?'



JETHRO BOVINGDON Contributing editor

'996 Carrera in silver, on 17in wheels. Instantly understood what all the fuss was about.'



RICHARD MEADEN Contributing editor

'Porsche GB's Pistachio Green 964 3.6 Turbo press car, trying – and failing – to stay with David Vivian in an 850 CSi.'



DAVID VIVIANContributing road tester

'It must have been a 944 of some description, but I do remember thinking, this is pretty cool.'



Test location: Cisternino, Italy GPS: 40.76478, 17.43531

Porsche 911 Targa 4S

The Targa returns, with four-wheel drive as standard and 394bhp in 'S' form.

But is the performance harmed by extra weight and a softer set-up?

Photography: Gus Gregory



of the 1996MY 911 Targa – based on the 993, the last of the air-cooled 911s – Porsche decided that it couldn't reasonably expect owners to lift and remove weighty roof panels by hand each time they wished to indulge in a spot of topless motoring. Its engineers, therefore, designed a motor-

driven roof mechanism, incorporating a large

DURING DEVELOPMENT

glass panel that slid backwards over the rear screen. The hassle in removing the panels was lost, but so too was the distinctive roll-hoop that had, over the years, become an icon of Porsche design.

Later generations of Targa adhered to the 993's sliding glass panel approach, but they never looked quite right; they never had the same fluid roof line of the coupe, nor did they match the retro charm of those early Targas. For

the new 991-based iteration, however, Porsche has created a best-of-both-worlds solution. The retractable roof is still powered, but the roll-hoop returns, now in silver to contrast against the paintwork and to add jewellery to a familiar shape.

For kerbside drama, a 991 Targa doing its thing takes some beating. At the touch of a button, either within the cabin or on the remote key fob, the rather beautiful glass canopy and



'The engine pulls
with muscularity
from the midrange and then rips
around to its red
line with urgency'

a section of rear bodywork lift up as one and rotate to a position behind the rear bumper. The fabric roof then rises and folds into itself, tucking down into a stowage compartment behind the small rear seats, whereupon the canopy returns to its normal position. The 19-second process is theatrical and elegant, but to watch it happen is to get some impression of the weight penalty that inevitably comes with such a complex mechanism. The Targa also can't shed its roof on the move because the tail lights are briefly obscured by the large panel.

Four-wheel-drive only, the Targa is based upon the Cabriolet platform, with minor changes made to the body-in-white around the B-pillar to accept the roll-hoop, which does add some torsional rigidity. Compared with the equivalent coupe, the Targa carries 110kg in additional mass, mostly comprised of extra structural bracing, and its suspension has, according to the engineers, been tuned with half an eye on improving ride comfort.

So the Targa is heavier, floppier and softer

than the coupe. Clearly the fixed-head model will remain the driving enthusiasts' 911 of choice, but the Targa might just be less of a compromise than a Cabriolet for those who insist on some form of retractable roof.

Two versions will be available. The Targa 4 costs £86,377 and is powered by a 345bhp, 3.4-litre flat-six, while the Targa 4S, driven here, costs £96,413 with a 394bhp 3.8-litre engine out back. A seven-speed manual gearbox comes as standard, but given the Targa's role as a cruiser rather than a bruiser, most buyers will opt for the seven-speed PDK twin-clutch transmission, as fitted to our test car. This also cuts the 0-62mph time by 0.2sec to 4.6sec.

The drivetrain is familiar to the rest of the 911 line-up and is therefore very difficult to fault. PDK works superbly as an automatic and shift speeds in manual mode are crack-of-the-whip quick; each new gear bangs in even before you've fully released the steering wheel-mounted paddle. The engine, too, is a joy, for it pulls with a certain muscularity from







the mid-range and then rips around to its red line with real urgency. The flat-six howl and rasp is pleasant enough, but a car of this nature surely deserves the more vocal and characterful optional sports exhaust (£1773).

The 4WD system adds a layer of security and infallibility that the non-enthusiast driver will $certainly \, appreciate. \, Only \, a \, very \, clumsy \, throttle$ application in a low gear and on a wet surface will trouble the traction control. Comfort and security are the watchwords here, rather than involvement and edginess. There is still a certain sharpness to the ride quality over small lumps and bumps, but it does soak up surface imperfections with more pliancy than the coupe. As we've come to expect of modern 911s, the damping quality is superb; compressions and larger intrusions are dealt with swiftly, with composure and without deflection.

The natural chassis balance is neutral, pushing into slight safety understeer towards the edge of grip, and in the 991 there is now precious little sensation of there being a large

Above: steering is composed to the point of lifelessness; PDK dualclutch transmission is a £2388 option. Top right: roll-hoop returns to the Targa after two-decade absence. Right: brake discs are 340mm at the front and 330mm at the rear, but bigger PCCB carbon-ceramics are available as an option







Above: rear panel blocking tail lights means Targa roof can't be operated on the move. Below: well-refined interior is carried over from rest of 911 range

pendulum slung out over the back axle. In the firmer chassis modes there is such abundant body control that the car feels intimately tied into the road surface, but it still isolates the occupants from it.

The dynamic make-up has thus far been more than impressive, but the picture begins to change when you start to work the Targa a little harder. The steering, as we've come to expect of the 991, is aloof and slightly remote when it really matters. It does now tug and weave a little in your hands as it did in the previous-generation 911, but it's only an illusion of true feel; when you want to know just where the limit of front-axle grip is without stepping over it, the steering won't give you too many clues.

Both Targa models get a Sport button to add weight to the steering and sharpen the throttle response, but only the Targa 4S gets Porsche Active Suspension Management, which can adapt to suit the road surface, as standard. Similarly Porsche Torque Vectoring, which uses





the inside-rear brake to pivot the car into turns to good effect, is standard only on the Targa 4S and is an £890 option on the Targa 4. One option that is exclusive to the higher-powered model, Porsche Dynamic Chassis Control, uses variable anti-roll bars to cut body roll during hard cornering. It's a clever system, but since roll is how the driver feels the loading of the chassis in corners, it is best avoided.

There is something a little strange in the way the new Targa approaches its limits when the driver begins to push. Experience of similar cars tells you that the Targa surely can't carry much more speed through a sequence of turns, and that it must be on the edge of adhesion, but there's actually very little evidence from the car itself to confirm this. The truth is that it is on or around the limits of its capabilities, but it just remains so composed, unflustered and, in a sense, lifeless that you begin to believe you're barely scratching the surface. The Targa just doesn't engage and reward in the manner

'It's so composed and unflustered that you begin to believe you're barely scratching the surface'

that the two-wheel-drive coupe can; it doesn't encourage a committed driving style.

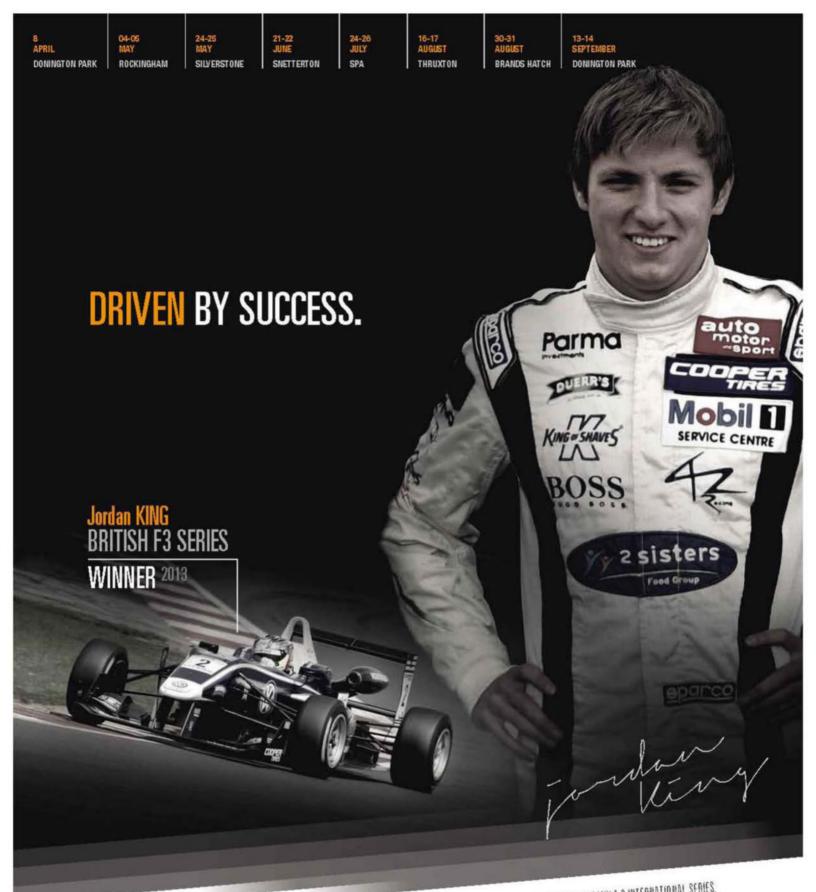
The Targa's weight penalty compared to its fixed-head stablemate and the tuning for greater comfort are clearly manifest in its driving characteristics. It isn't a match for the coupe as a sports car, but for the aesthetic qualities of that roll-hoop and glass canopy, it is a more alluring drop-top than the Cabriolet.

Dan Prosser (@TheDanProsser)

Engine	Flat-six, 3800cc
CO2	237g/km
Power	394bhp @ 7400rpm
Torque	324lb ft @ 5600rpm
Performance	4.8sec (claimed 0-62mph), 182mph (claimed)
Weight	1555kg (259bhp/ton)
Basic price	£96,413

evo rating: $\star\star\star\star\star$

■ Cooler than a Cabriolet
Not as rewarding as a coupe



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m Test location: Åre, Sweden GPS: 63.46299, 13.06965

Audi S1

Four-wheel-drive hot hatch comes with 228bhp and stacks of stying options. 0-62mph in 5.8sec

SLIDING THE CAR THIS way then that down a narrow white corridor, leaning on the snow banks on the exit of the odd corner... This is exactly

how I dreamed of driving an S1. Of course, in my slumbering wonderland the S1 in question has a warbling five-cylinder soundtrack, while the small yellow car underneath me today has a more raspy four-pot. One day I might get to drive a full-blown Stig-spec Group B Sport Quattro S1 rally car, but for now this new A1-based S1 will have to do.

The pint-sized Audi S1 is a cracking-looking car. It's available in both three-door and five-door (Sportback) body styles, but I think our three-door is the better looking of the two

options. Admittedly our test car has had some sartorial help in the form of an optional quattro styling pack, which adds the roof spoiler and front splitter, plus the quattro logo on the side and some neat red detailing in the lights. The overall effect is one whereby the car's size says cute but its stance and spoilers say aggressive. Like a hamster with a hand grenade.

Things get even better inside, where there's another optional styling pack, with body-colour accents lifting the already high-quality fixtures and fittings. The best additions are undoubtedly the 'S' Sports seats with their backs in highgloss yellow, which are rather reminiscent of the seats in a 968 Club Sport. In fact the yellow looks suspiciously like the Speed Yellow paint Porsche used to daub on its cars, while the Viper

Green option is an uncanny match for the green that was available on the gen-1 997 GT3 RS...

The underpinnings of the S1 are essentially very similar to those of the limited-edition (£41k) A1 quattro. This means the standard A1 torsion beam rear end has been replaced by a four-link design, while the quattro 4WD system uses a fifth-generation Haldex clutch mounted at the rear axle. Power and torque come in at 228bhp and 273lb ft, which is respectively slightly less and slightly more than the A1 quattro (which had an older version of the 2-litre TFSI engine). Perhaps the best news of all is that the S1 has a six-speed manual gearbox – there isn't even the option of two pedals.

Because our first taste of the S1 is in northern Sweden, the car is on winter tyres and this



Left: among various styling options, flatbottomed steering wheel is a £250 extra. **Below:** six-speed manual is only transmission available. Bottom: five-door body is offered, as well as a three-door (far left)



inevitably muddies the water a bit when it comes to assessing the dynamics. However, the most striking initial impression on the evening drive from the airport on relatively straight but dry roads is the ride quality. Suspension on Audi 'S' models used to have the severity of a North Korean haircut, but despite being lowered by some 25mm the S1 has a lovely supple feel in the softer of its two damper settings. Switching to the firmer mode certainly brings more jolts and bumps up into the cabin, but it also adds noticeably more body control in the corners.

The following morning we wake to discover that it's snowed overnight and all the roads are significantly slipperier. We go searching for the Swedish equivalent of a B-road and round the back of a lake we find something akin to a deserted rally stage. Which is fun. Slithering along fairly slowly (there's hard ice under the snow) proves that the S1 will drift around in quite a balletic fashion, the quattro sending just enough power rearwards to provoke a slide before shuffling it back to the front wheels again to drag the car straight. For such a short wheelbase it doesn't feel snappy either.

After a bit of mucking about we head to the airfield that Audi has kindly cleared of snow, and here, on drier tarmac, the S1 proves to be both immensely quick and incredibly grippy. The claimed 5.8sec 0-62 time seems conservative and despite a lot of encouraging space and some seriously ambitious entry speeds, the little car simply clings on for dear life round the various corners. The natural balance when limits are finally reached is neutral to a smidgen of understeer, but just as on the snow, it's easy to feel the power being sent to the rear wheels, so if you judge the corner speed just right, you



can then use the throttle to tighten your line. The gearshift is quite light and surprisingly long in its action but in no way sloppy, while the reworked steering is pleasingly direct and accurate, although it doesn't yield much feel (it might be better with summer tyres).

Ultimately this is all just a taster, but the signs (particularly the ride) are promising for when the S1 arrives in the UK. With prices starting at £24,900 (and rising considerably with those optional styling packs) it will be a very expensive little car. However, it is definitely a premium package and as the huge number of heavily optioned Minis on the road proves, some people buy a small car because it's small and not because they want something cheap. Henry Catchpole (@HenryCatchpole)

Specification

Engine In-line 4-cyl, 1984cc, turbo CO2 162g/km 228bhp @ 6000rpm Power 273lb ft @ 1600-3000rpm **Torque** Performance 5.8sec (claimed 0-62mph), 155mph (limited) Weight 1315kg (176bhp/ton) £24.900 Basic price Finance £5110 deposit, 35 monthly payments of £265, £13,898 final payment. 10,000 miles per year. Audi Finance

evo rating: $\star\star\star\star$

Ouick, looks great

Expensive, no five-cylinder soundtrack



A

AFTER A SPATE OF EYE-wateringly expensive Abarth 500s, including the Edizione Maserati (£32,000) and the

50th Anniversary (£29,850),

you'd be forgiven for thinking that you need five jobs to afford a hot version of Fiat's 500. Not so. The UK Abarth range starts at £14,260 for the 133bhp 500, moving to £17,960 for the 158bhp 595 Turismo and £18,960 for the Competizione tested here, which also has 158bhp.

Standard Competizione kit includes aluminium pedals, footrest and kick-plates, machined aluminium fuel and oil filler caps, tinted rear windows, 17in wheels, xenon headlights, red calipers and titanium grey grilles. But the 595 shows its age with a lack of integrated satnay or DAB on the options list.

Of more interest are the cross-drilled front and rear brake discs, while further upgrades include a 'Monza' exhaust with four outlets (a car should never have a 1:1 ratio of cylinders per tailpipe, in my opinion), Abarth Corse seats by Sabelt and the upgraded Koni FSD (Frequency Selective Damping) dampers. Our test car is also specced with Circuit Grey/Officina Red two-tone paint (£950), ten-spoke diamond finish alloy wheels (£170), an upgraded hi-fi with a 100W subwoofer (£265), and leather seat trim (£1000). Total cost? £21,345.

You approach the Competizione hoping the driving experience will match its styling: fun, unique and playful. Mostly, it does. You slide into the fantastic seats, grab the fat steering wheel and the cold metal gearknob and feel thoroughly buoyed up for a slice of hot hatch wrestling. And that's what you get, once you've



fumbled for a seat height adjuster that isn't there (the Sabelts are brilliant but mounted way too high) and prodded the all-important Sport and TTC (Torque Transfer Control) buttons.

The car feels tame at first. The throttle response is neither sharp nor effective, the steering is vacuous and the responses are nothing like as hyperactive as you expect. However, seek out Sport and TTC, as you will after about a mile, and the 595 releases a little more spirit. Sport mode increases steering weight from the all-electric rack and introduces more torque, but steering feel doesn't increase with the extra weight. The added torque is however noticeable. TTC, meanwhile, allows the 595 to dig into apexes and spread the torque across the front axle by braking the inside wheel. It's relatively common tech, but it works well in the Abarth, especially in the dry. In the wet it creates noticeable wheelspin if you're clumsy with the throttle.

The 1.4-litre engine is punchy and is simple to 'read'. You know instinctively when to upshift and the power is consistent through the revs (although a few more of the latter wouldn't got amiss), while the gearshift action is short and

sweet. The pedals are in a decent layout for heel-and-toeing and the brakes offer fantastic feel and power.

The Koni dampers work well on smooth surfaces but on broken, undulating or cambered roads (i.e. every British road) the Competizione loses its composure and hops, skips and fidgets non-stop. Worse still, one action tends to cause another and before long the car ties itself up in knots. In short, despite it willing you to do so, the 595 is not a car to drive to the max and it embarrasses itself the closer it gets to the limit.

The Abarth 500 is six years old, and while there's genuine appeal in the powertrain and styling, the chassis is in desperate need of some of the Mini's sophistication and a lot of the Ford Fiesta's agility and sheer energy. We sincerely hope that drivers' demands are considered equal to the fashionistas' when Fiat replaces the current car. Until then, you buy an Abarth for its personalisation options and styling rather than the drive.

Nick Trott (@evoNickTrott)

In-line 4-cyl, 1368cc, turbo
155g/km
158bhp @ 5500rpm
170lb ft @ 3000rpm (in Sport mode)
7.4sec (claimed 0-62mph), 130mph (claimed)
1035kg (155bhp/ton)
£18,960
£2595 deposit, 48 monthly payments of £259, £7417 final payment. 10,000 miles per year. Abarth Financial Services

evo rating: $\star\star\star\star$

Spirited engine, great brakes
Sharper rivals



Defectors willkommen

The Volvo V40 R-Design



For years we've been indoctrinated to believe that German cars are the only choice; the only option. But an alternative is out there, and it's closer than you think. Just look north to Sweden, and come see what's on the other side:

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Official fuel consumption for the Volvo V40 D2 R-Design (manual) in MPG (I/100km): Urban 74.3 (3.8), Extra Urban 91.1 (3.1), Combined 83.1 (3.4). CO₂ Emissions 88g/km. MPG figures are obtained from laboratory testing intended for comparisons between vehicles and may not reflect real driving results. Finance subject to status. 5.9% finance available on all V40 models registered by 31st July 2014. *At participating dealers, Example based on mileage of 8000 per annum, excess mileage charge 14.9p per mile. At the end of the Personal Contract Purchase there are three options: (i) pay the Final Payment/GFV (Guaranteed Future Value) to own the vehicle; (ii) part exchange the vehicle, where equity is available; or (iii) return the vehicle. Further charges may be made subject to the condition of the vehicle. Terms and conditions apply. 18s or over. Guarantee/Indemnity may be required. Volvo Car Credit RH1 1SR.





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ABARTH WITH







AS A BMW M135i OWNER,

it is surely only a matter of time before a 116d M Sport driver, thrusting his way towards a career in middle management,

delights in noting that his gutless diesel hatch is 'exactly the same' as your 316bhp, 4.5-star evo car. Some might take a degree of satisfaction from the quiet knowledge that he is, in fact, absolutely wrong, but for those who want their M135i to stand out from the sea of diesel motorway hacks, modifying is the way to go.

Based in the German town of Aachen, AC Schnitzer has been tuning and modifying BMWs for several decades. The company has recently turned its attention to BMW's impressive megahatch, with upgrades to the engine, suspension and styling. These are distributed in the UK by Norfolk-based Rossiters.

The standard M135i's badges, silver mirror caps and twin exhausts are easily missed by those not in the know, but the front bumper treatment, spoiler and rear valance that come as part of the AC Schnitzer aero kit (£1060 fitted) won't be. The 19in wheels (£2900 including tyres) fill the arches nicely and distinguish the car from the norm even further, but the styling revisions inevitably won't be to all tastes.

The power upgrade will likely meet with more universal approval - a removable ECU (£2250) lifts the peak output to 355bhp. This demonstrator runs on AC Schnitzer's RS coilover suspension (£2388), tuned in this instance for fast road and track use, one step back from the dedicated track setting. The coilovers are adjustable for ride height, bump and rebound, so most requirements can be met,



but they are passive, so the switchable modes that are optional on the M135i are lost. The exhaust (£2078) promises to release a little more aural drama from that turbocharged six-cylinder while the cabin trinkets (£630), including a pedal set, handbrake sleeve and mats, lift the interior a little.

The full kit can be bought for a discounted £10,995, inclusive of VAT and fitting. Although it'll work out more expensive in the long run, each upgrade can be fitted as and when funds allow. Only the engine and transmission aspects of the manufacturer warranty are affected, although AC Schnitzer will cover this for peace of mind; its warranty runs for two years as standard and can be extended for a third.

Take a look at the ride height, check out the 19in wheels and low-profile Michelin Pilot Super Sport rubber, consider the stiffer suspension, and it seems quite clear that the ACS1 would be disastrous on uneven UK roads. The way the suspension has been tuned is nothing short of genius, though, for the ACS1 remains comfortable at a cruise and there's plenty of pliancy even on the lumpiest back roads. Only the biggest compressions, hit at

speed, will lead to the suspension running out of travel; in all other instances the quality of the damping is beyond doubt. The non-runflat tyres certainly help, too.

One of the M135i's weaknesses at full pace is body control on a demanding road. The standard suspension system runs out of ideas when lateral and vertical movements come thick and fast, but the firmer AC Schnitzer setup improves body control quite considerably. The electric power steering remains vague and uncommunicative, though. The remapped engine does pull harder both in the mid-range and at the top end, so the ACS1 feels appreciably quicker than the standard car. The exhaust adds a pleasing raspiness under full load and a suggestive burble at idle as well.

With its thoughtful and considered upgrades, AC Schnitzer has successfully tapped into the M135i's latent potential. The result isn't quite full M-car, but until BMW's in-house tuning division gets to work on its hatchback (if it ever does), the ACS1 is the best second-generation 1-series we've come across. ■

Dan Prosser (@TheDanProsser)

Engine	In-line 6-cyl, 2979cc, turbo
CO2	188g/km
Power	355bhp @ 5800rpm
Torque	383lb ft @ 3700rpm
Performance	4.7sec (claimed 0-62mph), 155mph (limited)
Weight	1425kg (253bhp/ton)
Price	£10,995 (full conversion)

evo rating: $\star\star\star\star\star$

Engine and suspension upgrades improve M135i ■ High cost of full kit, steering still numb



years since we first drove
a prototype version of the
3 Wheeler. Since then, the
production version has become
a smash hit by Morgan's standards. Over 1000
have already been built, and it now makes up
around half the company's total production.
And while recognising that Morgan's product
cycles tend to get measured in decades rather
than mere years, it does raise the question of
how the 3 Wheeler should evolve.

NEARLY THREE

IT'S

The limited revisions to this 2014 version tell us two things. Firstly, that there is nothing obviously wrong with the existing model, which is still creating enough demand to fill a sizeable waiting list. But also that there's not really much you can do to change a lightweight car with no roof, barely any equipment and all the performance it realistically needs.

The most obvious revision is the arrival of a new cooling cowling on top of the V-twin engine, together with a small fan mounted behind to draw air through it. Although the two-cylinder engine is air cooled, it can struggle when asked to sit stationary in hotter climates, and with America already one of the 3 Wheeler's biggest markets, and sales about to begin in Australia, this 'hot weather' pack makes sense. It will be standard going forwards, and can also be retrofitted to earlier cars.

It's the same with the new 'comfort steering', which uses a new link to connect the unassisted rack to the front uprights to reduce kickback. The only change that isn't backward compatible is a very slightly narrower transmission tunnel, to improve space in the cabin fractionally.



Very fractionally. Clambering into the 3 Wheeler's intimate embrace I'd be lying if I said I can notice any difference in the modest amount of legroom on offer – and there's still nowhere to put your clutch foot when you're not using it to change gear.

The driving experience is effectively unchanged. No bad thing: five minutes in the 3 Wheeler leaves you wearing a grin wide enough to catch flies. The big, lazy V-twin fires into a loud, offbeat idle, sound reverberating through the twin shotgun exhaust pipes. The throttle pedal is both light and sensitive, but the clutch is progressive enough and the Mazda MX-5 five-speed gearbox changes cleanly enough to keep power flowing smoothly.

The early cars would sometimes slip the drivebelt that connects the gearbox to the rear wheel under hard acceleration, but during several hours together, this one doesn't. The revised steering is tamer over bumps and still gives a good impression of how much of their relatively modest grip reserves the skinny front tyres have to call on.

But it's fair to say the Morgan remains a car that's best driven at something below maximum

attack. Under normal use the front runs out of grip first, the sensation exacerbated by the relatively low-geared steering. At lower speeds the 3 Wheeler can be persuaded into dinky powerslides, but ever since seeing one tip onto two wheels on track at eCoty 2012 I've never felt the urge to take one to the limit on road.

But at eight- or nine-tenths, it's brilliant fun. The thrummy engine delivers plenty of urge, the car steers accurately, and you get to watch the front wheel on your side as it turns or dances in and out of bumps and compressions. For making decent progress down a quiet, well-known road it's a superb companion.

It's genuinely hard to know what you could do to improve the 3 Wheeler in one area that wouldn't detract from another. It doesn't need to be quicker, it doesn't need to be lighter and it doesn't need to be grippier. Presuming Morgan can carry on finding buyers, there's no reason to suppose this won't be another of its decadelasting successes.

Mike Duff

Engine	V-twin, 1976cc
CO2	215g/km
Power	82bhp @ 5250rpm
Torque	103lb ft @ 3250rpm
Performance	6.0sec (claimed 0-62mph), 115mph
Weight	525kg (dry) (159bhp/ton, dry)
Basic price	£31,000
Finance	£11,000 deposit, 48 monthly payments of £299, £11,500 final payment. No mileage limit. Morgan Finance

evo rating: $\star\star\star\star$

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Test location: Winnats Pass, Derbyshire, UK GPS: 53.34158, -1.79238

Driven twin test: Mini Cooper S v Ford Fiesta ST

The third-generation Mini arrives on UK roads and faces the Blue Oval's benchmark hot hatch.

Can the Mini's extra power help it overcome its weight and price shortfalls?

Photography: Dean Smith



MINI TREADS A VERY fine line with its new Cooper S. Arguably it always has, but in the latest iteration the bells, whistles and son et lumière seem

to have been ratcheted up another notch, so the line is thinner than ever. Some of the designs and ideas, I confess, I looked at with childish glee. The ring of lights around the huge central display illuminates in various ways and colours depending on the function being performed: call someone via Bluetooth and some blue dashes chase each other round the circle; with the satnay engaged, a semicircle lights up and then diminishes as you near the next junction or turning; select the 'Green' driving mode and it glows purple (only joking with this last one).

The whole interior is fun, and with the new, more supportive seats (the seats were always a let-down in previous generations) and fantastic NVH levels, it feels like a lovely place on a long journey. But then it oversteps the mark. Turn the collar at the base of the gearlever (an excellent idea that saves you hunting for a button in the heat of battle) to select Sport and the screen in the circle displays the words 'Maximum go-kart feel'. That's like selling a cask-strength whisky with the slogan 'Particularly light-headed and giggly version'. To compound this crassness, the message is accompanied with thoughtbubble pictures of a go-kart and a small rocket, both of which look like they have been drawn for a cheery pre-school book. It's patronising towards both the driver and the car.

It's a good job, then, that the Mini is largely best left in its Normal setting. The car that we drove on the launch (evo 194) was fitted with the standard passive dampers, but this UK car has the optional (£375) variable dampers, which would seem like an option worth speccing. Sometimes the differences between variable damper settings can be fairly minimal, but the Cooper S's demeanour changes markedly. In its standard setting the car feels much more supple, particularly in its secondary ride, and as a result copes far better with bumpy UK B-roads (and general everyday driving). On smoother terrain you get a little extra precision from the steering in Sport mode, but to me the car feels happier as a whole in its more relaxed setting because it breathes with the road rather than fighting it. The standard 16in wheels (our car is on 17s, a £450 option) might change things, so it would be interesting to try a car with a bit more sidewall, unfashionable though that might be.

Sport mode is more enjoyable for what it does to the engine, sharpening the throttle response and allowing some exuberant pops from the exhaust on a trailing throttle. The Mini also has a rev-matching system on the manual

gearbox (effectively heel-and-toeing for you when you downchange) and this seems to improve in Sport mode, although it is disabled if you turn off the DSC. Mini claims 189bhp and 206lb ft of torque, up 8bhp and 29lb ft on the previous generation car, but the new 2-litre turbo engine doesn't feel like it has quite the eagerness and enthusiasm of the old 1.6 turbo (which frequently felt much more potent than its official figures). However, the Cooper S remains a very quick little car and you still need to be careful how you ladle on the power out of tighter corners if you don't want to find the DSC cutting in as it tries to curb the wheelspin.

So, how does it compare to the Fiesta ST? Well, I've driven both cars in the Peak District, on lots of local roads that I know far better than the back of my hand (although really, who has an intimate knowledge of the back of their

hand?) and for several hours on the motorway. In everyday driving the Mini is a remarkable thing - so quiet and relaxing at multi-lane cruising speeds that you forget you're in a small car. It would put some executive barges to shame, so it's no surprise that it beats the Ford on that score. However, when the road turns interesting it is the Fiesta that has the edge.

The little Ford has beautifully controlled damping that feels somewhere between the two settings of the Mini but with slightly longer travel to the suspension. The steering is quick and accurate from the moment you turn the wheel and then it feeds back more and more information as it loads up the outside-front in a corner. In the Mini you now feel like you're sitting further down in the chassis compared to the old one, while in the Fiesta you feel like you're sitting comparatively high up, with the

Right: Cooper S centre console ring features an array of colours for different functions. Bottom: Mini can spin up a wheel when exiting a corner if you're heavyfooted. Below: oh dear









Left: Mini's new snout is not the prettiest. Below: Cooper S's 2-litre turbo has 10bhp more but 8lb ft less that the Fiesta's turbo 1.6 unit. Bottom: Fiesta is a joy to hustle along a challenging road



ST's centre of gravity a little higher too. This is then reflected in the way the cars corner, with the Mini's multi-link rear remaining relatively flat while the Ford, with its torsion beam rear axle, seems to naturally fall into that classic hot hatch pose, dangling a motionless inside-rear alloy in the air as you scoot round bends.

The 179bhp 1.6-litre engine in the Fiesta is a cracker. It revs with zeal and if it wasn't for the obvious swell of flexible low-down torque in the higher gears, you would be very hard-pushed to tell that it was turbocharged. Mated to a gearshift that can be thrown around the gate with as much speed as you can move your hand, it is a fantastically fun drivetrain. What's more, its 214lb ft feels enough but never too much for the front suspension, so you can get back on the throttle remarkably early in bends and the front tyres will take it despite the absence of any limited-slip diff. Add in brakes that have great power and feel and you have a car that responds to any input with an alacrity that makes it feel wonderfully light on its feet and an absolute joy to drive quickly. You can simply fling it down the road and the car stays with you every step of the way, encouraging you and feeding back more information just at the point where the Mini starts to feel a touch woolly.

The gap between these cars' base prices is not as wide as you might imagine, with the Fiesta starting just below £17k and the Cooper S at £18,650. However, while you can get a fully loaded 'ST3' for £19,250, the well-optioned Mini you see here would set you back over £23,500. Both are ultimately very good and great fun to drive, and some customers will undoubtedly be wooed by the Mini's razzmatazz (although I suspect the new face with those odd lower intakes might put a few off). But by the same margin that the Cooper S is arguably the nicer day-to-day car, the Fiesta remains the more fun drivers' car. It wins this twin test as a result. ■

Henry Catchpole (@HenryCatchpole)

'You can simply fling the Fiesta down the road and the car stays with you every step of the way'



MINI COOPERS

Engine CO2 Power Torque Performance

Weight

Basic price

Finance

133g/km 189bhp @ 4700-6000rpm

In-line 4-cyl, 1998cc, turbo

206lb ft @ 1250rpm

6.8sec (claimed 0-62mph), 146mph (claimed)

1160kg (166bhp/ton)

£18,650

£5200 deposit, 24 monthly payments of £249, £11,728 final payment. 8000 miles per year. Mini Finance

evo rating: ★★★☆

■ Easy to live with, sharp throttle response

Expensive with options, naff dash displays

FORD FIESTA ST

In-line 4-cyl, 1596cc, turbo

138g/km

179bhp @ 5700rpm

214lb ft @ 1500-5000rpm

6.9sec (claimed 0-62mph), 137mph (claimed)

1088kg (167bhp/ton)

£16,995

£4693 deposit, 24 monthly payments of £189, £9168 final payment. 9000 miles per year. Ford Credit

evo rating: ★★★★

Great engine and excellent steering feel

Not as comfortable on the motorways

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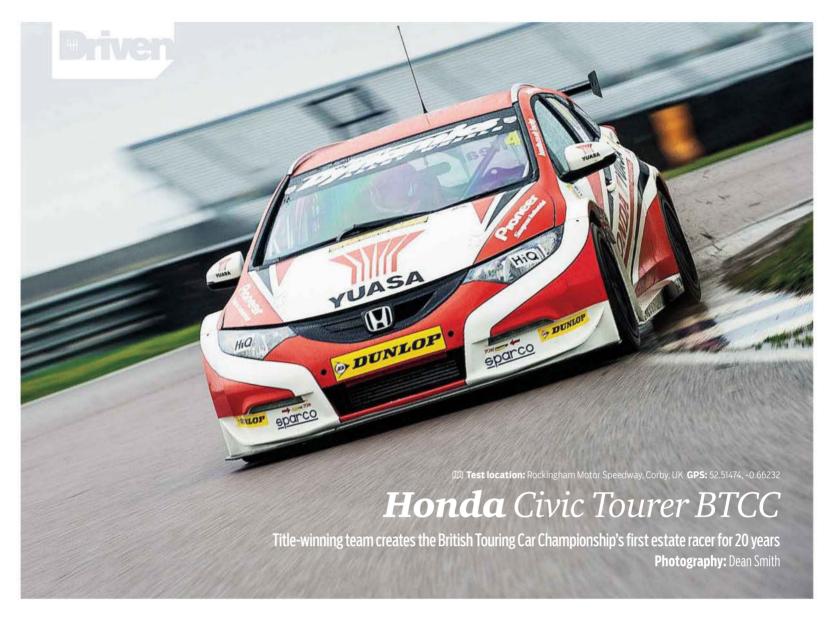
JAGUAR.CO.UK/XFOFFERS

*Plus Deposit and Final Payment.

REPRESENTATIVE EXAMPLE

On the Road Price	£32,945
Finance Deposit Allowance	£3,124
Customer Deposit	£6,999
Total Amount of Credit	£22,822
Purchase Fee (Included in final payment)	£10
Credit Facility Fee (Included in final payment)	£285
36 Monthly Payments	£329
Final Payment	£13,714
Total Amount Payable	£35,681
Duration of Agreement (Months)	37
Representative APR %	4.9% APR
Interest Rate (Fixed) %	4.35%

Official fuel economy figures for the XF Saloon in mpg (I/100km): Urban 16.7-48.7 (16.9-5.8); Extra Urban 32.8-64.2 (8.6-4.4); Combined 24.4-57.7 (11.6-4.9). CO_2 emissions 270-129 (g/km). Official EU Test Figures. For comparison purposes only. Real world figures may differ.



BUILDING AN ESTATE
car to compete in the British
Touring Car Championship is
a sure-fire way of generating
a heap of publicity. Witness
Volvo's brilliantly boxy 850 Estate from the
Super Touring era of the 1990s. The problem

Volvo's brilliantly boxy 850 Estate from the Super Touring era of the 1990s. The problem with that car was that it never won a race. So you can imagine Honda Yuasa Racing's keenness that its striking Civic Tourer avoids the Volvo's fate and continues Honda's winning ways. Indeed, by the time you read this, there's a strong chance it will already have done so.

We join the team and one of its drivers, threetime BTCC champion Matt Neal, at a cold, wet Rockingham. The team is midway through some early pre-season testing and the car has been performing well. That's no big surprise as the Tourer is fundamentally a rebodied version of the all-conquering Civic hatchback used by Neal, his team-mate Gordon Shedden, and Andrew Jordan of rival team Pirtek Racing to take the last three drivers' titles for Honda.

Armed with this information, you might wonder why you'd mess with such a dominant machine, but with the BTCC enjoying a

renaissance and its grids bursting at the seams with a wide variety of cars, you need to find an advantage wherever you can. With a strong portfolio of sponsors to pay the bills and a hugely experienced team to iron out the wrinkles, the distinctive Civic Tourer is a brave but clever move.

Like all the 2014 BTCC grid, the Tourer is built to TOCA's Next Generation Touring Car (NGTC) regulations. That means it employs many 'spec' parts that are common to all the cars, including the subframes, suspension, gearbox, limited-slip differential, engine electronics and an approved aero package. Beneath the bonnet is a turbocharged 1.6-litre four-cylinder, good for in excess of 300bhp. Like all forced-induction race engines, it's where this power (and torque) comes in the rev range, and the progression with which it arrives, that's as important as achieving big numbers.

There's something childishly amusing about an estate car wearing sponsors' war paint, slammed on the deck and sporting a set of deeply grooved wet-weather racing tyres. It's wrong and right at the same time. The shape itself is a good one for the BTCC, creating less drag for a small but meaningful straight-line speed advantage. The downside is an increase in weight (around 35kg, but the team has been working hard to trim this back significantly) and a higher centre of gravity. Minimising the Tourer's compromises is not the work of a moment – Neal concedes they have a little way to go – but there's tremendous experience and talent within the team. So even if they're off the pace in the first few races, there's still a healthy chance that they'll claw back the deficit.

It's odd to open the door of an estate car and find most of the interior void criss-crossed with roll-cage tubing; stranger still to see just one seat. But once in you're far less aware of what you're driving. Sitting low and clamped tight, it's like any other racing car, and a serious one at that. The engine starts with a fanfare of revs before settling into a clattery idle, all kinds of zizzes and vibrations tingling through the car. Push down on the clutch, pull back on the sequential 'box's shifter, hold the revs steady, *f-e-e-d* in the clutch smoothly and you're away.

First impressions come thick and fast. With revs the engine becomes smooth and muscular with a surprising amount of low-rev response



Far right: racing pedal-box replaces standard set-up. **Below:** Neal prepares to hand over his Civic to our man Meaden. Below right: Dickie steps the back out at the Tarzan hairpin



'Sitting low and clamped tight, it's like any other racing car, and a serious one at that'



and a generous slab of mid-range torque. The damping is tightly controlled, yet brilliantly, supremely supple, creating a strange illusion that you're floating on and yet totally keyed into the slippery surface below. The power-assisted steering is light and quick-witted. There's some torque-steer, but traction is fabulous, even out of hairpins. You have to watch you don't light up the front tyres with your initial throttle input, but once hooked up, the Tourer puts all its torque into the cold, wet tarmac.

Neal suggests balancing the car with leftfoot braking through the faster, longer corners, so I give it a go, even though it doesn't come naturally. I'm glad I do, for even my ham-footed efforts make the car feel less nervous and more stable as we slice round the long fourth-gear left-hander. When you work it hard the engine is super-impressive, with great response, masses of grunt and a hard, angry note punctuated by gunshots from the exhaust on every upshift and flames on the way down.

When standing the Tourer on its nose into Rockingham's tighter turns, the brakes prove massively powerful, but with no ABS you have to carefully work your way to where you think



the limit of grip lies, at least in these conditions. I don't have any lock-ups - a good thing when you're only invited to get a taste of the car's performance! - so it's fair to say I could hit the middle pedal a bit harder and a bit later. I do, however, have one almighty oversteer moment when I trail the brakes into a secondgear hairpin. Neal warned me he likes his cars 'pointy', and you can feel the benefits of this through the faster corners, where it needs only the slightest nudge of lock to change direction, but I wasn't expecting it to be quite so flighty at low speed. Thankfully my brain quickly manages to access the nook in which my frontwheel-drive racing experience is stored, and I get back on the power early enough to pull out of a potentially embarrassing half-spin.

I have to confess I've lost touch with the BTCC, largely because I didn't think much of the cars post-Super Touring. Now, having had time to evolve from S2000 to NGTC, the cars are quick, characterful and promote exceptionally close racing. And having driven one, I can also confirm they are genuinely exciting - and challenging – to drive. ■

Richard Meaden (@DickieMeaden)

CO2	n/a
Power	300bhp+ @ 7000rpm
Torque	n/a
Performance	4.5sec (estimated 0-60mph), 160mph (est)
Weight	n/a
Basic price	£200,000 (est) (on sale late 2014)

evo rating: 🛪 🛪 🛪 🛪

■ Unusual shape helps straight-line speed Extra weight and higher C-of-G brings dynamic compromises Watche

This month, a keenly priced chronograph, a piece for MG lovers and a Bentley-inspired limited edition Words: Simon de Burton



Citizen Primo Stingray

Price: £249 From: citizenwatch.com

Corvette fan? If so, you have good enough reason to buy one of Citizen's bargain drivers' watches, the Primo Stingray. which offers all the essential car watch features at a sensible price. That means you get a fifth-of-a-second chronograph, a 45 mm steel case, a perforated strap and crimson detailing aplenty. But perhaps its best feature is its Eco-Drive guartz movement, powered by a rechargeable lithium-ion cell that draws energy from natural or artificial light. Even when left in the dark, it will still run for up to seven years.



Meistersinger MG watch

Price: £1405 From: motoringclassics.co.uk

The original car watches were made in 1918 by Georges Schaeren in the shape of Bugatti radiator shells. The idea has been revived by German MG enthusiast Ernst Graaf who, with the help of the MG Car Club and British Motor Heritage, has developed this watch based on the look of a TD grille. Made by well-regarded firm Meistersinger, the watches have robust ETA mechanical movements and are available in three subtly different designs: Abingdon (pictured), Kimber and Cream Cracker. Not for everyone – but then neither are MGs.



Breitling for Bentley 6.75 Midnight Carbon

Price: £8010 From: breitlingforbentlev.com

The latest addition to the long-running range of Breitling for Bentley watches is this blacked-out version of the 6.75 chronograph. Named after the capacity of the mighty motor found beneath the bonnet of the Mulsanne, the 6.75 has a knurled bezel based on the pattern of a Bentley grille, an open-work dial revealing bits of the movement and a special 'large aperture' calendar display. Turn this 49mm monster over and you'll find a winding rotor in the shape of a fivespoke Bentley rim. Like all Breitling watches, the Midnight Carbon is chronometer certified. Just 1000 will be made.

Now & Then





Watch tech

Automatic winding

It is surprising how many people are baffled by the differences between 'hand-wound' and 'automatic' movements, even though the terms appear selfexplanatory.

The former needs to be rewound by hand, while automatic movements wind themselves via a small weight built into the mechanism. The weight oscillates every time the wearer moves, replenishing the charge to the main spring through a ratchet mechanism. In high-end automatic movements, winding takes place regardless of which way the weight swings, whereas in less expensive designs it is uni-directional. In either case, a clutch arrangement prevents over-winding.

Englishman John Harwood was the first to make a feasible automatic winding wristwatch with his Autorist, in which the strap was attached to hinged lugs on the case. Wrist movements would cause the strap to pull on the lugs, which in turn were connected to a lever within the movement which kept the mainspring fully wound.

Too temperamental to be viable, Harwood ceased Autorist development after allegedly having a 'eureka' moment while observing two children playing on a seesaw – the human version of the oscillating weight familiar today.

A British patent was granted for the self-winding system in 1924, but Harwood went bust in 1929 leaving Rolex to pick up the idea and perfect it in what became the famous 'Perpetual' self-winding mechanism.



NOW Chopard Superfast Worn by: Mark Webber

Chopard recently announced its new role as the official timing partner of Porsche Motorsport in advance of its return to the LMP1 class at this year's Le Mans 24 Hours, in which Mark Webber will drive the 919 Hybrid – and sport a Chopard Superfast chronograph.





THEN Rolex Datejust Worn by: Dan Gurney

When Dan Gurney won Le Mans in 1967, he famously began a tradition that continues today by shaking up his victor's magnum of Moët champagne and spraying it into the crowd. Fortunately, his Rolex Datejust was equipped with the firm's legendary 'Oyster' waterproof case.









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Simulations

The latest news, kit and reviews from the world of racing sims

Words: Matthew Hayward













F1 2013

Formats: PC, PS3, XBox 360

Price: from £20 From: formulal-game.com

LET'S FACE IT, as much as we all want to like the new turbocharged V6 F1 cars, there is something totally wrong about the sound. Or more accurately the lack of it. Thankfully F1 2013 revolves around last year's 'good old' screaming V8s.

Like its predecessors from developer Codemasters, F1 2013 isn't a game you can just jump into and play; it takes a reasonable amount of acclimatisation before you can drive the cars to their maximum. Although the game eases you in with a Young Driver Test tutorial, the best way to get to grips with the subtleties of the controls is to simply dive in and do a few laps of a circuit you know well.

The beauty of this game is that it's not a simulation of racing an F1 car, more an F1 career simulation. F1 2013 allows you to progress up the ranks into a top-tier team, through all the testing and setting up and development of the cars throughout a season. Okay, the chats with your race engineer can seem

a little cheesy at times, but it is always good fun.

How hardcore you want to go is completely up to you. If you can commit enough time, the game allows you to progress through the season pretty much in real-time, completing each practice and qualifying session to the nth degree. There is also a wide degree of settings for various driver aids, and with all the dials twiddled to their hardest settings, the racing is particularly challenging. Of course, you can wind back the race distance and run through the game at a much increased pace if you're just after that quick hit after work.

And then there's the rain. Few games offer the stunning and changeable weather conditions that are a staple part of this simulation. A full-on downpour can completely change the outcome of a race, and driving in the wet requires a huge adjustment in driving style. Racing on full wets gives

confidence, but switching to inters or even slicks has big advantages if you can stick to a drying line, just like in real life.

If the whole modern F1 aspect doesn't appeal to you, Codemasters has created another selling point: some classic content. The standard game is packaged with a sprinkling of iconic F1 cars from the 1980s, but for an extra £10 you can buy the Classic Edition expansion pack.

Introduced by the unmistakeable voice of commentating legend Murray Walker, the classic pack includes four circuits and 11 famous F1 cars from 1980 through to 1999. Driving the older cars is, as you would expect, a wholly different experience – and the sound from the Ferrari V12s makes even the 2013 V8s sound tame.

It's fair to say that F1 2013 hasn't broken any new ground, but it is a solid evolution of the Codemasters F1 series. If you follow and enjoy F1, you should absolutely give F1 2013 a go. ■

Peripherals



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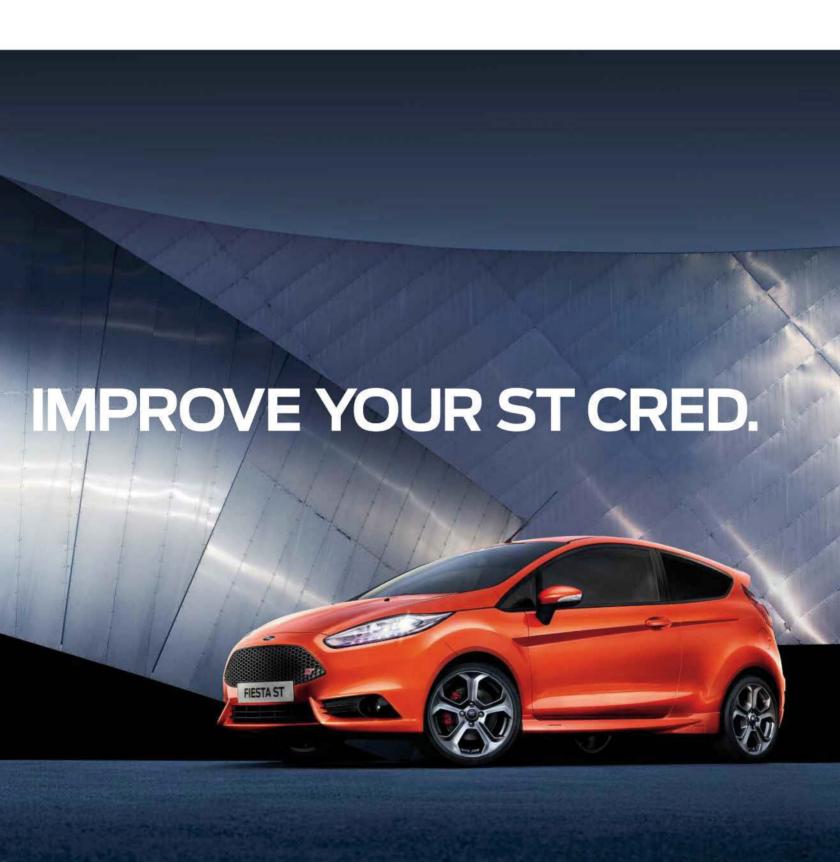


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New Fiesta 577

Official fuel consumption figures in mpg (I/100km) for the Ford Fiesta ST 1.6 EcoBoost (182PS): urban 35.8 (7.9), extra urban 58.9 (4.8), combined 47.9 (5.9). Official CO2 emissions 138g/km.

Vehicle shown is the Ford Fiest a ST2 in Molten Orange with ST Style Pack (colour and Pack available at additional cost). The mpg figures quoted are sourced from official EU-regulated test results (EU Directive and Regulation 692/2008), are provided for comparability purposes and may not reflect your actual driving experience.



Go Further



Meaden worries that the quest for efficient, reliable vehicles is scaring carmakers away from creating unique curios



AT WHAT POINT DID CARS LOSE THEIR national identities? Or rather, when did all cars have to be German? I only ask as I've just driven

a new Maserati Ghibli, which appears to possess as much authentic Italian charm as a Pizza Hut

cheeseburger-crust pizza. Worse, because it can't quite manage to be as good as its standard-setting German rivals, it's had a crisis of confidence and also attempted to channel its inner Infiniti, which as we all know is an unfathomable Japanese brand that's trying to be, er, Not Japanese. Confused? I'm totally bewildered.

The reason for this Gwyneth-style 'conscious uncoupling' of cultural identity is, of course, sales volumes. I mourn the days when Maserati effortlessly cornered the market in ruched leather, carriage clocks, laggy small-capacity bi-turbo V6s and hedge-seeking handling characteristics, but today's

motor industry apparently has no room for such bold individualism or off-beam eccentricity. More's the pity.

Italian brands seem to have suffered more than most. There was a time not so long ago when you could rely on Alfa Romeo and Lancia to build convention-challenging cars that could only come from the land of short coffees and long lunch-breaks. Plush saloons like

the boxy Alfa 90 (complete with a pull-out briefcase that formed an integral part of the dashboard!) were left-field oddities, the breadvan 145 Cloverleaf and charismatic 166 genuinely appealing precisely because they were so unmistakably Italian.

The French have suffered too, most notably Citroën. Cars like the low-slung CX fascinated me as a kid, and the XM that followed it continued to demonstrate the French knack for making avant-garde cars. The more recent C6 was less adventurous engineering-wise, but still exuded the kind of snooty panache that only a Gallic car can. Similarly, Renault never really recovered from our wholesale rejection of models like the futuristic Avantime. OK, so the strange mashup of coupe and MPV wasn't for everyone, but there's no doubt that it was a rather cool and appealing device.

To be fair to the car industry, courting people like us must be a nightmare, for we're an infuriatingly fickle bunch. We might love the idea of these more characterful, less conventional cars, but few of us commit to buying them. We even string the Germans along; a case in point being the M5 Touring. We all professed to love it, yet on the two occasions BMW built one it was a sales disaster. Then just to prove how contrary we are, on the rare occasion one comes up for sale we all go weak at the knees and implore BMW to build another. We're our own worst enemies.

At least the new breed of hybrid supercars appears to be the last bastion of national individualism, and although they feature a fair few stereotypes, is that such a bad thing? Look at the Porsche 918 Spyder and you'll find a car that takes its pursuit of efficiency and engineering advancement to the nth degree in the finest German tradition. Compare this with the McLaren P1 and you see a car that chases ultimate performance in a forensic manner that's very different from Porsche's, yet entirely appropriate for a brand high on adrenalin and at the heart of Britain's Formula 1 industry. And Ferrari? Well, it still prefers to build a red V12 rocketship that – grudgingly – happens to feature hybrid tech. If only cars the rest of us can afford to buy were still shot through with the same confidence and singular identity.

Germanic quality, reliability and integrity – and the industrywide aspiration to match it – has undoubtedly raised the bar, but in so doing our tolerance and appetite for cars that deviate from

'Today's motor industry apparently has **no room for bold individualism** or off-beam eccentricity'

that high-achieving norm appears to have worn depressingly thin. I'll be the first to put my hand up and say the motoring media doesn't help with its obsession about whether cars like the Ghibli can be a credible 5-series rival, or scolding Jaguar for not having a 3-series. It's like the European Union's fixation with ensuring all cucumbers are straight and of uniform length. Then, just to add further confusion, we celebrate cars like the striking Jaguar XJ in our initial coverage, then later berate it for not being a 7-series. No wonder we end up with class leaders – German, obviously – trailed by inferior, derivative tribute acts.

Faced with the stark choice of continuing to make flawed-but-fabulous cars that are appreciated by many but bought by a brave few, or building cars that chase increased sales by ditching charisma for conformity, Maserati has elected to capitulate and play the Germans at their own game. Possibly not because they wanted to, but because in the end we gave them no choice. The great tragedy in all this is not that the Ghibli is a weak BMW rival, but that in abandoning those unique qualities that German brands couldn't hope to replicate, the new Ghibli is also a weak Maserati. I'm not sure what the answer to this conundrum is, but one thing's clear: we should be careful what we wish for.



Richard is a contributing editor of **evo** and one of the magazine's founding team



Petrolhead

by RICHARD PORTER



Porter praises an example of a 'retro' car done well, and castigates one done badly

O

ONE OF THE BEST IDEAS IN MODERN motoring is the Nissan Figaro. You know about the Figaro, I'm sure. It's that tiny, retro cabrio that you see every so often on British roads, even though it

was never officially imported here. In fact, it was

never technically available anywhere other than Japan yet I'd be staggered if there are any left in its mother country because, although it's a bit rare groove and over 20 years old, the UK seems to be crawling with the bloody things.

Clearly people look after their Figaros and that's because clearly people love them. If memory serves, there was even a company that sold only Figaros and scrupulously vetted all potential buyers. If they didn't like you, they refused to sell you a car. I don't know what sort of business model that is, but I'm pretty sure

it would get you chucked out of the alpha-male knob-waggling warehouse that is *Dragons' Den*.

Why do Figaro owners – a merry band which once included Andrew Marr, Joss Stone and Eric Clapton – love this car so much? I'm certain it's not for the way it drives, because underneath is a K10 Micra, the 1980s vintage one that was driven only by the very young, who were being taught to drive in them, and the very old, who were too confused to realise it was shite. In the Figaro's favour, its 1-litre engine does have a turbo on it, which sounds racy. On the downside, the transmission is a three-speed automatic, which most definitely does not sound racy.

No, the reason why Figaro owners love their cars and why the Figaro is such a good idea is because of its appearance. It's a retro car that doesn't waste any effort trying to look exactly like something from the past. And this is exactly why it's such a bloody good idea. In fact, I'm amazed more carmakers haven't cottoned on to this and made their own new-old cars rather than tying themselves in the navel-gazing knots that form chips on the shoulders of the new Mini, Beetle and Fiat 500. You simply evoke the past, rather than slavishly trying to update it. And freed from the pressure of trying to recreate something specific from 50 years ago, you end up with a (relatively) modern, reliable car with the appearance and cool image of something old.

Which brings me on to something called the Speedback GT. You might have seen some of the fuss about this when it was announced a few weeks back. It's made by a chap called David Brown, no relation to the David Brown who gave his initials to all those Aston Martin DBs, and its stated aim is exactly this: to provide all the reliability and useability of a modern car with all the style and cool of a classic. It sounds like a ruddy marvellous idea, especially

since the Speedback GT is a Jaguar XKR underneath and, as such, should have everyday useability, an able chassis and lashings of lovely, supercharged grunt.

So far, so good. But it all falls apart when you see what David Brown (no relation) has put on top of that fine Jaguar undergubbins. It is not a cool, pretty, intriguing evocation of a more carefree time. What David Brown (no relation) has come up with is an artless, awful parody of an Aston Martin DB5. And it simply doesn't work. For one thing, the proportions are just slightly off and a car is never going to be truly beautiful if that's the case. Worse still, the detailing is so clunky and so self-conscious, from the ghastly grille and contrived, fake quarter-bumpers, to the graceless rear lights and hideous wire wheels, that you

'I'm amazed more carmakers haven't made their own new-old cars rather than tying themselves in the navel-gazing knots that form chips on the shoulders of the new Mini, Beetle and Fiat 500'

wouldn't be surprised to learn it was all sketched with pencils, by candlelight, under the watchful eye of a man smoking a pipe.

The Speedback GT had the chance to make a Nissan Figaro that **evo** readers would lust after. That is to say a car that reminded you of the past but wasn't bound by it nor worryingly obsessed by it. All they needed to do was give a hint of headier times whilst making sure the air con still worked. Instead what David Brown (no relation) has done is slavishly cribbed something glorious from a bygone age and in doing so he's exposed his efforts as a sham. It's profoundly annoying and a massive missed opportunity.

If I wanted something that looked like a DB5, I'd buy a DB5. If I wanted the power and poise of a Jaguar XKR, I'd save a lot of money by buying a standard XKR. By being so cloying and so obsessed with trying to recreate an old Aston, the Speedback GT has ended up being irrelevant. And frankly I'd rather be seen in a Nissan Figaro.

(a) @sniffpetrol

Richard is **evo**'s longest-serving columnist and the keyboard behind sniffpetrol.com



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Dario has been wrestling with a Ferrari Boxer and testing the new Camaro Z/28 pace car he'll drive at the Indy 500 in May

RETIREMENT HAS NOT BEEN AS SLOW-

paced as I thought it would be. I've been all over recently, from east coast to west coast, but at least I've got my travel blanket to keep me company. Allan McNish's wife bought it for me

when I retired, then bought him one when he retired, so we have matching blankets. Not quite pipe and slippers, but close...

My foot is good, so I've managed to get back out on the road and drive some fun things. In fact I got to drive a Ferrari 512 Boxer on carbs recently, which was amazing. That was the first time I've driven one. I've got a couple of good pals in Nashville who are as mad on cars as I am and have all sorts of unusual stuff, and one of them had a Boxer that he didn't use much. So what did he do? He bought another Boxer.

We met for lunch and I took it for a spin. It's a really unusual thing. I had a Testarossa back in the late '90s and you could feel the family lineage. My expectations were pretty low, I have to say, but it was fun to drive in its own way. And the way it looks! So bloody goodlooking. It's a stunning, stunning car.

My first impression was about, well, how ergonomically challenged it is. The steering wheel is

too low and really close to the top of my legs, and if that wasn't bad enough, it is weirdly offset too. There's no real side support in the seat either. It was on the big Michelin XWX tyres – the vintage tyre with tall sidewalls - and there was a massive amount of movement in the rubber. I didn't drive it flat-out as it's definitely not the type of car you'd press on in, but I drove it quickly enough to feel the momentum at the back, not only from the tall tyres but also from that odd centre of gravity with the engine on top of the gearbox.

Saying that, when you get that slight fluff of the carbs at low revs, the noise from the induction just over your shoulder and that lovely rasp from the flat-12, you kind of forget about some of that negative stuff. Everything, good or bad, just adds to the driving experience. I love that the Ferrari 512 has racing history as well, and that Ferrari used a flat-12 in F1 when everyone else was using a V8. The Boxer race car, the LM, was a wonderful thing.

There's a guy out in the States called Preston Henn who won the Daytona 24 Hours in 1983 in a Porsche and he also owned a 512 LM for endurance racing. One time he went to Fuji for a race and it was raining so hard that nobody would go out. He said, 'Screw this,' put his helmet on, jumped in the LM, and went out. A lap later he came back in and said: 'Yeah, it is pretty wet out there.' The team replied: 'That's great, Preston, but the track goes the other way.' He'd done a whole lap of Fuji in the wrong direction.

The other car I've driven recently is the total opposite to the 512

- it's the new Chevrolet Camaro Z/28 and I've got to say it was bloody impressive. I've got a Camaro at home - one of the older pace cars with an LS1 engine – but that's more of a trophy than a car I really want to drive. I've also driven some Corvette pace cars, which have great engines, but that's about it...

Even walking around the Camaro Z/28 you feel like it's the real deal. It has proper Brembo carbon-ceramic brakes, Pirelli P Zero Trofeo R tyres and lighter glass. The tyres really interested me because they are the same size front and back: huge 305/30s. The engineers also told me that they chose a smaller 19in wheel not only to keep the weight down, but also to lower the car overall. It's always great when engineers make decisions like this; I bet the stylists were going mental.

You get in it and it has Recaros, which is immediately a good

'When you get that slight fluff from the carbs or the rasp from the flat-12 you forget about the negative stuff'

thing because a lot of muscle cars and Corvettes (and TVRs for that matter) have terrible seats that move around all over the place when you accelerate. It has a beautiful six-speed manual Tremec 'box as well: a good positive gearbox. The 428cu in, or 7-litre, engine has got around 505bhp, so it's not out-ofthis-world powerful but it has got massive torque. I was pretty impressed overall. It pulls well, handles well and stops well, and I'd love to give it a proper blast.

The only question mark is with the steering. It's not the most feelsome but overall you could tell that it was a massive step forward for a muscle car. It would be a big leap of faith for someone to buy one in the UK; I mean, they're huge. In my garage at home my Camaro dwarfs the Ferrari F40 or even the 550 Maranello – it's a colossal thing.

Speaking of which, I'm jumping on a plane soon and coming back to the UK. The problem with a lot of planes now is that they've got Wi-Fi, so I've been surfing the net for more cars for the garage. You can read about those in the next columns. In the meantime, I've got a road trip to Le Mans in the Carrera GT to plan, and the Goodwood Festival of Speed and the British Grand Prix to look forward to. It's going to be a great summer!

Dario is a three-time Indy 500 winner and four-time IndyCar champ



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What's rained sand on your paintwork this month?



Live and let drive

Having read Richard Meaden's column about driving habits (Outside Line, evo 195), I agree totally with what he says.

I recently went for a country drive on a very quiet road I know. The limit was the national speed limit but a car I came across was going at 40mph. When I tried to overtake safely, he gradually moved over to the right, pushing me into the verge. I had no choice but to slam on the brakes and drop back. I saw no reason for this behaviour and, assuming the best, thought the guy just hadn't noticed me. On the second attempt to overtake he did the same, although this time I managed to pass, only to see him speed up and start flashing his lights at me.

My view is live and let live. If he wants to drive at 40mph in a 60, that's up to him, but why should I have to? Surely his actions are far more dangerous than my driving? I also know that I'm far more engaged when I'm pushing on a little, whether on the motorway or a back road.

Tim Gates



The Letter of the Month wins an Elliot Brown watch

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Early learners

Last issue's Letter of the Month ended with the question: 'Wouldn't it be great if [young people] could be re-engaged with motoring by having some driving as part of the school curriculum?' This particularly interested me, as my school (along with a few others in south Wales) runs an after-school driving class. For two hours each week, local instructors teach pupils basic car control, including changing between gears 1 and 2 and doing a bit of reversing.

Sadly, although it has had a lot of interest from pupils, the school no longer gets the funding needed to continue it next term.

Kieran Lucas

Welsh wonder

Being a devotee of the niche for the past 25 years. I have to commend you on a great hot hatch feature in evo 195. It took my mind back to a driving experience that I'll never forget, in a Peugeot 106 GTI.

Having overslept, my passenger and I were faced with a 4am hustle over unfamiliar roads from Builth Wells, over the Brecons to a dawn rendezvous with the 1997 Network Q RAC Rally. The little Pug had a wonderful balance of (just about enough) power, light weight, steering with great feel and feedback, and a fabulous chassis. As the driver, you received nuanced feedback via all your sensory channels, and it really did flatter your abilities.

We made it on time, just as daylight started to poke through the Forestry Commission branches. Parking up and getting our gear on for the trek into the stage as the 106 ticked away, I couldn't help but grin widely at the life-affirming experience.

Kelvin Hawkes



Above: a Peugeot 106 GTI gave Kelvin Hawkes a pre-dawn drive to remember

Hurrah for the R-tronic

I feel that I must take issue with Jethro Bovingdon's throwaway comment about speccing an Audi R8 with the R-tronic gearbox being worthy of a 'custodial sentence' (evo 194).

As you might have guessed, I have an R8 R-tronic and, for the sake of objectivity, I must say that my initial impressions of it were not great. If you drive it like a regular automatic 'box, it is slow and clunky. However, once you realise that it is not an auto but is in fact an automated manual, things improve dramatically. Basically. the gearbox requires a degree of skill and finesse to get the best out of it, and surely, on a car of this sort, that's exactly what a real driver wants!

Rob Price, Surrey

Tokyo shift

In his Petrolhead column in evo 194, Richard Porter captured something I have often felt but never been able to articulate: the secret handshake that passes between people who care about driving.

Recently in a Tokyo taxi I was piloted with wonderful skill by a middle-aged woman driving a lowly Toyota Camry. She was swift, smooth and considerate, with the powertrain always engaged and acting on the road surface. She was absolutely delighted when I noted her left-foot braking, and said that in 20 years of driving taxis I was only the second person to comment. The first was a test driver for BMW.

The rest of the journey passed in a babble of car talk, including our favourite places for going sideways in the mountains.

Right on, Richard. Dan Underwood, Japan



Above: the old R8's R-tronic automated gearbox isn't all bad, insists Rob Price





Greatest hot hatch

Which car from last month's hot hatch mega-test – or maybe one we didn't include – do you think is the greatest hatch of all?

The **MG Maestro** was conspicuous by its omission.

Jobbo

Certainly a wealth of cars to choose from. In my experience (Pug S1 106 Rallye, 205 GTI, Clio 172 Cup, Mini Cooper S, 106 XSi S1, 106 GTI, Suzuki Swift GTI, Golfs Mk3 & Mk4, Mazda 3 MPS, Ford Sportka), nothing flows down a road and gives you almost limitless options for neat or lairy like a Peugeot 106 GTI or Rallye.

Daihatsu Charade GTti. Although they're probably difficult to get hold of now, I'd have thought.

Delphi

Lotus Sunbeam [pictured]. *Rich B*

Saxo VTR/VTS. Was surprised by its omission given the cult following of the car and its handling ability.

scotta

MG Metro Turbo. My dad had one as a company car and I thought it was the business at the time. Then he had a Renault 5 GT Turbo and I thought that was even better...

Tim

If I had to put my money where my mouth is, from the modern cars I'd buy the **Mégane R26.R** and from the classics it would be a **Renault 5 Turbo 2**. Although I do wonder if the **M135i** should get the award since half the **evo** forum own one.

Philomena Cunk

Impreza Litchfield Type-20.

Mark BT52

I think it's a toss up between 306 and 106, but as I've only driven the **106 GTI** out of those two I'll side with that. As Ben said earlier: infinitely adjustable, eager chassis, willing engine, able to carry staggering speed across country, and 'more than the sum of its parts' as the saying goes.

Barry

The thinking man's choice for me: **EK9 Civic Type-R**. The spec sheet is almost perfect and the reality is pretty awesome too. Closer to my heart: **Polo G40**. Ridiculously fun car to drive. On paper it doesn't look great but the reality is very different. Supercharger whine gets added bonus points!

markmctavish

Williams and 106 for me. Although I preferred the fizziness and edginess of the 1.8 Clio over the Williams. The 306 was spoiled by the 'box, in my opinion. Great chassis and best engine in the evo list, though. If only they'd made a car with that chassis, engine and a five-speed 'box that really made the most of that great engine...

Swervin_Mervin

Having owned none of these I'm fully qualified to state that the **Clio Williams** is the best. Because blue seatbelts.

a7x88

No **Daihatsu Cuore Avanzato TR-XX R4?** I am disappointed.

16vcento

Next month

This issue we've put the new Tesla Model S to the test over 300 miles in Norway. Is electric power the future for the performance car, and would you be happy to live with an electric car?

Email your thoughts to letters@evo.co.uk, or join the discussion at community.evo.co.uk

From the forums: community.evo.co.uk

Thread of the Month

habanero

Would you buy a convertible?

In my 20-odd years of car ownership I've never had anything 'roofless'. Now older, fatter and with little hair for the wind to blow through, I find myself drawn to a convertible. Mid-life crisis maybe? I have a real desire to drive to the French Riviera and into Italy in something open-topped. A Maserati GranCabrio [pictured] ticks the box for me, although a decent Merc SL55 can be picked up for peanuts. Are you a hardcore tin-top-only kind of bloke or would you consider a wibbly handling convertible?

Hove our MX-5. It's great driving with the roof off so long as it's not raining. They all have good heaters so there is no excuse for not having the top down. McSwede

Never had a convertible car, but I like the idea of a Triumph TR6 or a Stag.

zedleg

I'm not sure I'd bother with a compromise convertible again (Alpina B3) because for everyday use the extra weight isn't nearly offset by the limited fun you get. Sports cars like TVRs and Elises are a different matter. Top-down is the only way to drive them.

Nope. Don't like them at all. I don't even like sunroofs. I'd have an Elise, but would have a hard top permanently attached. integrale_evo

Nothing wrong with convertibles if they're designed with that in mind at the outset.

Andy

I've had two (Z4 and S2 Elise). Obviously one was more practical than the other and I wouldn't want an Elise without a garage, but I'd have another of either. Perceived image never bothered me.

240PP

Everyone should own a convertible at some point. Yes, you compromise on chassis stiffness etc, but in my experience this is far outweighed by the increased sounds and sensations. You can enjoy the sound of your engine, the smells of the countryside (or town) and the sight of clear sky (or stars) above you. If you want the thrill of driving, this is more fun than just driving fast.

Jonathan F.



Thread of the Month wins a Road Angel safety camera & blackspot alert device worth £159.99



The originator of the best **evo** forum thread wins a Road Angel Gem+. The Gem+ automatically updates its camera database as you drive and allows users to share the locations of 'live' camera vans.

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SUCH IS THE GT-R'S phenomenal global success that it's hard to believe it could ever have been one of Japan's best-kept secrets. Yet step back to the early

1990s and the Skyline was all but a stranger to our shores; a mysterious, mythical beast whose sophistication enabled it to humiliate its opposition on the racetrack and - at least according to the few who had driven or ridden in one - attack any stretch of road with preternatural pace and extraordinary allweather poise.

That car was the R32 Skyline GT-R, the first to use the now-legendary RB26 twin-turbo straight-six, and the first to employ Nissan's radical ATTESA all-wheel-drive system and HICAS four-wheel steering. It was as big a leap into the future as the current R35 was from the R34, the last of the RB26-powered cars. For many (myself included) the R32 remains the definitive Skyline GT-R, the car that propelled Nissan's tech-laden sports coupe from littleknown curiosity to ultimate cult hero.

Parked alongside its descendants, the R32 looks sharp and distinctive, its simple, lithe lines highlighting the GT-R's pursuit of a more aggressive and muscle-bound physique with each subsequent generation. Like all the cars here today it is in standard specification, which given the Skyline's fabled suitability for tuning is something of a miracle. It's true to say that we were torn as to whether we should have assembled cars in a more typical state of tune. That's to say around 400bhp for the RB26powered cars and 650bhp for the R35. In the end, driving these cars as they left the factory somehow seems like the correct way to get an accurate and authentic impression of their relative performance and dynamic capabilities at the moment they were launched.

It's hard to imagine how a car with (officially) 276bhp could have created such an aura of invincibility, yet 25 years ago the R32 was in the same league as Porsche's 3.3-litre '930' 911 Turbo. In truth it was a far more sophisticated car, largely due to being conceived to compete in - and dominate - Group A racing. All-wheel drive with a variable torque-split gave it an innate traction advantage combined with a handling balance more suited to circuit racing, but this came at a price, the R32 weighing a heavy-for-its-time 1430kg.

Of all the cars here, this is the one I lust after most. Even the plasticky interior can't dampen my enthusiasm for this prime example of a Japanese performance icon. The seats look a bit amorphous, but they're supportive and comfortable, and there's a delicious weight and substance to the controls and damping.

Dancing along the snaking, lumpen tarmac that coils its way across Black Mountain in Wales, the car feels brilliantly alert, agile and easily placed between the unforgiving rocks that line the margins of the road. The steering weight and response are perfectly judged, as are the size and feel of the steering wheel itself. This car is a pleasure to steer.

The engine has a palpable sense of robust, unburstable strength, but its appetite for revs is clearly limited by the amount of air it can get into and out of its lungs. The car's owner, Brian Parsons, has gone to great lengths to restore this early car to standard, even searching for nine months to find an OE exhaust system. Such dedication is admirable for it gives us a rare experience of an unmodified car, but it also highlights why so many cars have induction and exhaust system upgrades and a gentle tickle of additional boost, for previous experience of a lightly modified R32 suggests it totally transforms the driving experience without placing the motor under undue strain.

If there's one benefit to standard power, it's the fact that it allows us to focus on the R32's unique handling characteristics, for getting your head around them takes time and practice. There's plenty of grip and poise initially as you turn in, but when you push that bit harder and attack the remainder of the corner under power, you get a strange crabbing sensation as the R32 slides its tail enough to require corrective lock, yet also pulls from the front. It's totally unlike any other car, and something that makes you catch your breath the first few times it happens. You don't even need to be going that fast for it to do it. Keep your foot in and you can deal with the remainder of the corner as you would in a



When the R35 GT-R netted a 7:38 lap of the Ring in 2008, beating cars such as the Lamborghini Murciélago, it was heavily publicised. What we didn't learn until later was that GT-R chief test driver Tochio Suzuki was disappointed; the circuit was damp in places and plain wet in others (including the fearsomely quick Kesselchen section).

Traction, grip and stability are Nissan GT-R characteristics, but none matter without feedback. Fortunately it scores highly there too, making it possibly the fastest point-to-point car in the world.



rear driver by balancing throttle and steering, but still it requires familiarity and confidence to allow that initial unnerving yaw moment to develop sufficiently to exploit and control.

This is a car with which it would take time and effort to form an intimate, intuitive bond, but crucially it's also a car that rewards effort and empathy. If you revel in the challenge of mastering a car's dynamic traits and foibles, peeling back the layers before finally finding its true limits, the R32 is a car you could fall for in a big way. I know I have.

Though it looks very different, the R33 GT-R shares much with the R32. Launched in 1995, it featured an engine and five-speed transmission that remained essentially unchanged. It was a physically bigger car, with the wheelbase increased by 10.5cm, the overall length by 13cm and width by a scant 2.5cm. Weight also increased (to 1540kg) and in the V-spec models the ATTESA all-wheel drive gained an active limited-slip differential at the rear and lower,

'The R32 is a car with which it would take time and effort to form an intimate, intuitive bond'









Top: R32 started the GT-R's four-wheeldrive revolution when launched in 1989. Above left: its 16in wheels look tiny by modern standards. Left: RB26 2.6-litre straight-six debuted in the R32

stiffer suspension, although it's the standard car we have here. Far fewer R33s were built than R32s, total production not exceeding 16,500 units, compared to just under 44,000 of the earlier model in all its guises.

Strange, then, that of the four generations present, the R33 is perhaps the most undervalued, much like 996-generation 911s. I suppose that's inevitable given the fact it didn't make the same impact as its predecessor, lacks the last-of-the-line finality of the epoch-ending R34 and is totally outgunned by the R35. But this was the Skyline GT-R that made tentative steps into Europe, with a limited number of cars being imported by Nissan GB in 1997. By coincidence this was the same year the PlayStation game Gran Turismo was launched, further lifting the veil on Japan's vibrant and uniquely seductive car culture.

At launch I can recall thinking the R33 was a bit portly compared to the R32, but now I reckon it's a rather special shape, with a blend





When Nissan announced the R35 GT-R's 7:29 lap at the Ring, Porsche bit. Hard. August Achleitner, the head of 911 development, suggested – no, stated – that the time was impossible for a standard car: 'We imagine with this, Nissan used other tyres.' He added that in Porsche's own tests, the GT-R did a 7:54. Nissan responded by cheekily offering Porsche tuition on the track to get a representative time. It was a petty row, but showed just how shaken Porsche was (and continues to be) by the GT-R.

of generous curves and toned muscle that sets it apart from the others. The interior is less of a departure, so while that means it's a functional and comfortable driving environment, it never quite managed to reflect the GT-R's growing status as a uniquely capable and desirable high-performance car.

Thanks to their shared powertrain there's an obvious similarity in feel and character between the R33 and its forebear. The five-speed manual gearbox has the same oiled, mechanical feel and measured, satisfying weight, while the engine delivers a solid slab of torque that shoves you down the road with endless enthusiasm. This car, owned by Harry Blower, has a big-bore exhaust, which helps the engine exhale a little more freely, but you're aware it has much more to give if only it could draw enough breath through the induction system. Still, there's enough performance to make impressive progress.

Despite the weight gain, it feels like a lighter

car than the R32. Indeed, far from reining in the R32's initial sense of dynamic instability, the R33 accentuates and exaggerates it, turning in with greater urgency and feeling even more keen to adopt that odd 'on castors' cornering attitude. It's harder to get your head around than the R32 because it doesn't feel or behave like a conventional four-wheel-drive car, but neither does it behave like a conventional rear-wheel-drive car. You don't need to provoke it into sliding, and on cold, wet roads you feel it moving beneath you, the four-wheel steering and four-wheel drive doing strange things to induce yaw in low-speed corners.

It's all harmless fun and effective too, but because the car feels so mobile at modest speeds you doubt it will find more stability in the higher-speed curves. Again the trick is to learn to trust it and show some commitment, and though it would be a lie to say I manage to do so consistently during our day in the mountains, it would also be a lie to say I don't



Left: 2014MY car's brutal acceleration stands out. **Below:** R34 was first GT-R to feature digital telemetry displays. **Opposite page:** R33 slides frequently and with ease

'These GT-Rs are the products of utterly original thinking and gloriously obsessive engineering'

have a great deal of fun. What you can rely upon immediately are the brakes, which have more power and a firmer bite. That's not to say the R32's brakes feel wanting, but I can see why owners often upgrade to the R33's Brembo setup once they put more boost into the car.

It's perhaps unfashionable to mention such prosaic qualities as space and practicality, but the R33's greater size acts as a timely reminder that all these GT-Rs are useable in much the same style as successive generations of BMW M3, Impreza STI or Mitsubishi Evo. It's possibly stretching things to describe them as family cars, but four seats and a decent boot make any purchasing decision stand up to scrutiny from our better halves: 'No, sweetheart, it's nothing silly. Just a four-seater Nissan...'

THOUGH IT ARRIVED IN THE LAST

year of the 20th century, the R34 definitely looks and feels like a 21st-century car. The structure feels more rigid than the R33's, and the engine – still with a claimed 276bhp, but now fitted with faster-spooling turbos – is more responsive. The manual transmission (now with six gears) has an even weightier shift action and the car itself is a little more compact than the R33, which was criticised back in the day for being too bulky.

Inside as out, the R34 makes quite a departure, a deeper, more upright dashboard featuring a multi-function LCD screen displaying the car's vital signs, plus a lap timer and G-meter. Graphics designed by the makers of *Gran Turismo* ensured life was now imitating art. It looks a bit quaint now, but in 1999 it cemented the GT-R's appeal and credibility amongst a younger, car-savvy audience and as a car that celebrated technology.

A V-spec version was officially imported to





the UK, again in small numbers (98 cars, to be precise), but this time with a significant package of hardware upgrades such as additional oil coolers for the engine and transmission, plus stiffer suspension, a remapped ECU and full Connolly leather to try and raise the interior's quality and ambience. This is one of those cars.

Despite the pimping and preening, there are still plenty of reassuring parallels between the R34 and the older cars. The seats still look like they were sculpted with an ice cream scoop, but although the leather looks and feels more upmarket than cloth, it's too slippery to hold you in position. The steering is very good, with near-perfect response and clean, transparent feedback. The ride is firm, and road noise is increased, but the trade-off is tremendous body control that yields just enough at speed. The R34 also feels light on its feet, which figures as it is barely heavier than the R33, yet benefits from the slicker damping.

It's less expressive than the older cars, but

'The R34 feels like a more cerebral, less visceral machine to extend on a challenging road such as this' the handling balance is more consistent and less disconcerting as a result. That's not to say it feels conventional, but the front and rear definitely feel more connected and in sync, and less deliberately out of step with one another. It still has dazzling agility. In fact it feels like the sharpest, grippiest and most precise of all the RB26-powered cars, which is what you'd hope and expect given it's also the youngest, but if stepping from one GT-R to the next has taught us anything, it's to expect the unexpected.

This transparency means confidence builds more rapidly in the R34, your baseline levels of pace are significantly higher and your willingness to explore its limits are more genuine and less sweaty. You can still induce that trademark GT-R yaw, but it takes greater determination to do so, yet less skill to harness. Perhaps that's why the R34 feels like a more cerebral, less visceral machine to extend on a challenging road such as this. No less memorable, certainly, but definitely not so



Left: R34's shape shows substantial evolution from R32. Above: tech-heavy approach to R35 doesn't mean it can't get lairy. Far right: wheel sizes have increased with every new generation

idiosyncratic in its dynamic behaviour.

If I keep returning to the 911 analogy it's with good reason, for although the Porsche's rear-engined layout makes it the king of quirky handling and the ultimate exercise in effort versus reward, these GT-Rs are just as fascinating and addictive in their own ways. The products of utterly original thinking and gloriously obsessive engineering, it's hard to believe Nissan packed these three superb generations of GT-R into 13 years of production.

So the RB26-powered GT-Rs deserve our continued admiration and currently represent extraordinary value for money, but there's no polite way of putting this, so I won't sugar the pill. It's a whole different world stepping into the R35. Everything about it is so far removed from its predecessors that the only common thread is in its ability to dominate any road you put before it in a way quite unlike any of its contemporary rivals. It chomps its way into the road with a ravenous appetite and very



little fazes it, save deep standing water, which sees it shuffle and shimmy more than you might expect. In its defence it does present a lot more rubber to the road than the other GT-Rs, and it's going an awful lot quicker.

The most succinct way to compare the R35 against its ancestors is to say there's a great deal more of everything: there's much more power from its larger, twin-turbo V6 engine - roughly double when comparing outputs as each car left the factory - there's much greater response and urgency, and much more aggression. And this in a 2014MY car that feels significantly more compliant in Comfort and Normal suspension modes than earlier R35s, which always had a tendency to administer a bit of a pummelling. This newest iteration soaks up many more of the road's imperfections, which only serves to release an even greater level of performance. Working this R35 hard across these unforgiving, no-nonsense Black Mountain roads is a jaw-slackening experience.



BECAUSE IT HAS ITS OWN LANGUAGE

Complex car, complex terms. Here are a few: E-TS (Electronic Torque Split), ATTESA (Advanced Total Traction Engineering System for All-Terrain), Super HICAS (High Capacity Actively Controlled Steering), VR38DETT (the R35's 3.8-litre V6), RB26DETT (the '89-'02 engine), VDC-R (Vehicle Dynamic Control). Not forgetting Z-Tune, KPGC110, 400R, SpecV, Nür...

BECAUSE ITS TECH EMBELLISHES THE DRIVING EXPERIENCE

By improving both speed and enjoyment, the GT-R's technology achieves a rare double act. Exaggerating rather than insulating; improving rather than diminishing. And every single GT-R has done this since the R32 of 1989.

This is arguably the defining feature of the mighty Nissan supercoupe, but also curiously the one that non-believers struggle to comprehend.



'The R35 is a ferociously fast digital car, but its gritty, organic character is undeniable'



Above: R33's global exposure helped make the current car the icon it is. Above right: R35 runs huge 390mm front discs – 66mm bigger than the R33 and R34's

BECAUSE IT'S EXTRAORDINARILY GOOD VALUE

Since its 2008 launch, the R35 Nissan GT-R has chewed up and spat out more six-figure performance cars than any European supercar manufacturer cares to remember. It has long been the cheapest way to hit 62mph from standing in less than three seconds (in air conditioned comfort, at least) and no car costing less than £100k can stay with it flat-out.

Only a Porsche 911 GT3 gets close to matching its mph-per-pound ratio. Both will stop pulling at 196mph, but the GT3 costs some £22,000 more than the GT-R

Nissan quotes a 0-62mph time of 2.8sec for the latest 2014MY version. You'd have to fork out for a Porsche 918 Spyder – the small matter of eight and a bit times the price – to better that.

As we all know, however, manufacturers' quoted times can be a little misleading. Keep an eye on our forthcoming YouTube Drag Battle videos to see how a Nissan GT-R really compares to a Porsche 911 Turbo away from the lights...

Unexpectedly, one of the lasting impressions is that you seem to be on the brakes a lot, but that's not because it can't carry speed through the corners, rather it illustrates just how much pace you're gaining between them. The explosive way it punches from corner to corner means you don't have to stroke it along and build speed like you do in the other GT-Rs.

Likewise the way it finds grip and traction is pretty remarkable, as is the way it uses electronics to augment the driving experience. Drive something like an R8, 458 or 12C and they feel like they're wearing running spikes. The GT-R is a match for these mid-engined supercars in terms of grip, and even trumps them for traction, but the way it digs and kicks and fights for every last shred of road-holding and forward momentum with such physicality suggests it's shod with rugby boots.

By modern standards the R35's steering is genuinely feelsome, more so now in the context of current rivals than it was in the days of the Porsche 997. It's consistent in its weight and response, too, so you can get dialled in quickly and then remain in the zone.

The R35 was the first GT-R with a suite of dynamic settings for damping, gearshift (now a twin-clutch 'box, of course) and stability controls. It's useful to be able to toggle through

the different modes to ramp things up or calm things down, but the truth is it can also be a bit of a distraction, for you're constantly wondering whether it would be better in another mode or setting. Of course, the reality is that it's devastatingly capable in whatever configuration you choose.

So the R35 is a ferociously fast digital car, but its gritty, organic character is undeniable. It flatters your driving, certainly, but it doesn't 'drive itself' as GT-R haters like to claim. You can hear and feel it working – the boost building and the transmission chuntering – and as you select the more aggressive dynamic modes you enter a world where you need to be absolutely on your mettle, not least because you're covering ground with the pace of a low-level fighter jet. No matter how many times you drive one you're always left incredulous at what it can do and the manner in which it does it.

At the time of its introduction it felt wrong for the R35 to drop the Skyline name, but the evolutionary step from R34 was so great and the R35 has since gone on to achieve so much that it now feels entirely correct that Nissan took the decision to set the GT-R free. Respectful of its past, disdainful of its rivals and fearless of the future, the R35 continues to blaze a trail as only a GT-R knows how. Long may that continue.

NISSAN GT-R (R35, 2014MY)

Engine V6, 3799cc, twin-turbo CO2 275g/km

Power

542bhp @ 6400rpm Torque 466lb ft @ 3200-5800rpm

Transmission Six-speed dual-clutch, four-wheel drive,

rear limited-slip differential

Front suspension Double wishbones, coil springs, adaptive

dampers, anti-roll bar

Multi-link, coil springs, adaptive dampers, **Rear suspension**

anti-roll bar

Brakes Ventilated cross-drilled discs, 390mm

front, 380mm rear, ABS, EBD 9.5 x 20in front. 10.5 x 20in rear

Wheels Tyres

255/40 ZR20 front, 285/35 ZR20 rear

Weight 1740kg

Power-to-weight 316bhp/ton

0-60mph 2.8sec (claimed, 0-62mph)

Top speed 196mph (claimed) Price new £78,020

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evo rating

NISSAN SKYLINE GT-R (R34)

In-line 6-cyl, 2568cc, twin-turbo

276bhp @ 7000rpm 289lb ft @ 4400rpm

Six-speed manual, four-wheel drive (rear LSD on V-spec)

Multi-link, coil springs, dampers,

anti-roll bar

Multi-link, coil springs, dampers,

anti-roll bar

Ventilated discs, 324mm front,

300mm rear, ABS

9 x 18in front and rear

245/40 ZR18 front and rear

1560kg

180bhp/ton

4.7sec (tested)

165mph (claimed)

£54,000 (1999)

£26.000-48.000

NISSAN SKYLINE GT-R (R33)

In-line 6-cyl, 2568cc, twin-turbo

276bhp @ 6800rpm

271lb ft @ 4400rpm

Five-speed manual, four-wheel

Multi-link, coil springs, dampers,

anti-roll bar

Multi-link, coil springs, dampers,

anti-roll bar

Ventilated discs, 324mm front,

300mm rear, ABS

9 x 17in front and rear

245/45 ZR17 front and rear

1540kg

182bhp/ton

5.4sec (tested)

155mph (claimed)

£50,000 (1995)

£12.000-20.000

NISSAN SKYLINE GT-R (R32)

In-line 6-cyl, 2596cc, twin-turbo

276bhp @ 6800rpm

260lb ft @ 4400rpm

Five-speed manual, four-wheel

Multi-link, coil springs, dampers,

anti-roll bar

Multi-link, coil springs, dampers, anti-roll bar

Ventilated discs, 296mm front,

297mm rear, ABS

8 x 16in front and rear

225/60 VR16 front and rear

1430kg

196bhp/ton

5.6sec (claimed)

156mph (claimed)

c£42,500 (1991)

£8000-14.000 ****





T

THE NISSAN GT-R Nismo N-Attack. If you love the unique intensity of Japanese car culture, that name alone is enough to make this car impossibly

desirable. It is the car that goes beyond the GT-R Nismo, that pushes aero, chassis and drivetrain still further. It is the GT-R that did *that* lap. If you haven't seen it then you really should, because the very fact that a 591bhp GT-R can get within 10 seconds of an 875bhp Porsche 918 Spyder around the Nürburgring – and look more exciting whilst doing so – deserves 7:08.679 of any car enthusiast's time.

Let's deal with the braying, flame-spitting Godzilla in the room. How does Nissan respond to those who say that the infamous 'Time Attack' lap time is a fake; a time set on slicks or with a boosted 800bhp motor? 'Bullshit.' That's the response I'd hoped for and Andy Palmer, chief planning officer and executive VP of Nissan, spits it out almost without thinking. 'The brief was that everything on that car could be homologated and had to be offered to the customer,' he continues. 'Any cheating would go against my direct orders. Customers can choose from a range of options, from the aero to the lightweight fixed-back carbon seats... that car can be recreated exactly.'

The GT-R Nismo is a pretty thorough job

already (see **evo** 191). It features larger GT3-spec turbos, unique engine management, an eight per cent stiffer bonded body, a carbonfibre bootlid, wider front wings and wider front wheels. The N-Attack (that's 'N' for Nürburgring, of course) adds to this with significant upgrades to the aerodynamics and chassis and is lighter still. The engine remains rated at 591bhp and 481lb ft. This is low-volume, motorsport-quality stuff and hence the price penalty is high. A Nismo costs £125,000 in the UK and the N-Attack package will add at least a further ten per cent to that price.

Hiroshi Tamura, chief product specialist for the GT-R, explains why they wanted to go sub-7:10 at the Ring: 'To be honest another one or two seconds knocked off last year's lap time would not jump out. And even a change in wind direction can account for that difference. So we wanted to make a big progress. Having said that, people think we want to just hit a lap time with the N-Attack, but that's not true. Most important is the total balance management. Appropriate traction for the road and super downforce... for driver confidence. The human factor is very important.'

Tamura's enthusiasm bubbles over with every line and it's clear that the N-Attack was a very satisfying project. 'We did not change the turbo. We changed the management a small amount for pick-up. [For] grabbing the road we

'The N-Attack is the car that goes beyond the GT-R Nismo, that pushes aero, chassis and drivetrain still further'



added a front mechanical LSD. The suspension completely changed – we put on helper springs, for example – and aerodynamics, too.'

The aerodynamics were refined by Williams, who also helped with the set-up of the fully adjustable Öhlins dampers. 'The standard Nismo is more for traditional tracks. I cannot say exactly but the spring rates are almost double that of the MY14 car. It is very hard. The Time Attack car is softer – let's say in between the two. Nürburgring is not like a track – the bumps and undulations, the jumps... That's why for traction it is more compliant.'

Weight is saved through carbon-shelled Recaro front seats that are 15kg lighter apiece, while the removal of the rear seats takes that total to 40kg. 'We reduce nearly a further 50kg from base GT-R Nismo with carbonfibre fenders and bonnet,' says Tamura.

Nissan's approach of using four development drivers and then letting them compete for the fastest lap time is novel, but had a real benefit. 'In the past I liked just one driver for Time Attack,' explains Tamura, 'but with more drivers you start to create a car that everybody can handle and extract the most from. You get a more fundamental understanding of what makes a great drivers' car. Most important is that our philosophy pursues the ultimate driving pleasure. Driving pleasure chasing is very important for us.' Wise words, indeed.

Left and below:

N-Attack changes include a higher rear wing and carbonfibre for the bonnet and front wings. Bottom **left:** three disguised cars - described as 'GT-R Nismos with track options' (the N-Attack name had yet to be finalised) - were present for the Time Attack laps in November 2013; four drivers set times with German Michael Krumm (right) being the fastest



Riding in the N-Attack

The Sodegaura Forest Raceway, across the bay from Tokyo, is barely a mile in length. It comprises only four right-hand corners and a single left-hander, with not so much as a sliver of run-off even at the fastest turn. On a mild day in late autumn last year, a GT-R Nismo N-Attack, wearing camouflage wrap as war paint, monstered the little raceway without breaking sweat. Like a lion pacing its restrictive enclosure, the N-Attack had no room to find its natural stride.

The mute, helmeted driver was as

anonymous as the flat and featureless circuit. The car wore a rear spoiler that reached several inches further into the airstream than even the pumped-up wing of the road-going GT-R Nismo, and in the cabin those plush leather chairs made way for pared-back buckets and harnesses.

The N-Attack ripped down the straight with even more intensity than the Nismo, making mere kinks of the corners. Stifled by the track, it craved the open expanse of its natural habit in the Eifel mountains. **DP**



by JETHRO BOVINGDON



R

RECEIVED WISDOM SAYS THAT NISSAN GT-Rs 'drive themselves'. Take a look online at Michael Krumm's astonishing 7:08.679 lap at the Nürburgring in the Nismo GT-R and you'll know that's completely untrue – he hustles every last tenth out of the car. As GT-R chief

product specialist Hiroshi Tamura said: 'We calculated that the Nismo would do a 7:10. The rest is human... it's all Michael.' Now Krumm (pictured) reveals his secrets to unlocking the GT-R's mindbending potential on every corner. (NB: Talent, bravery and lack of imagination still required. Don't sue us if you left-foot brake your way straight into some cold, hard Armco.)

"Easy to drive" is always relative,' the 44-year-old German explains. 'Nowadays every car is easier to drive, with paddleshifting and stability aids... so all stability systems must be off in order to make this judgment in comparison to other cars. Then you are discovering how a car reacts when pushed over the limit. The GT-R lets the driver feel that you are exceeding its grip level so you can take action accordingly. Some cars don't give you that response



you right off the road. In that sense, yes, the GT-R is easy to drive if you have the ability to really feel a car at the limit. But make no mistake, to drive the car very fast around a circuit - faster than your buddies - is everything but easy.

'I have done lots of laps in the GT-R road car around tracks for many years and tried out various driving styles and systems in order to extract the maximum. The fact is that [with the Nismo] you have 600bhp available, but you are still on road tyres. So the fourwheel-drive advantage is key. The main focus must be in making maximum use of traction and acceleration.

'It is driven at its fastest like this. You brake as late as you can and trail-brake deep into a corner. It's best to use left-foot braking, but not a must. In the middle of the corner you need to rotate the car quickly and point it to the exit direction. Don't worry about slowing the car down too much. Most people don't slow the car enough and cannot rotate, and they will naturally understeer straight on and then complain that the GT-R has too much understeer. While I rotate, I open the throttle a little to get the boost up and ready. Then when rotation is completed, you can go full-throttle and make maximum use of its four-wheel drive and 600bhp. This is where the lap time comes from: late braking and early power on. Forget about mid-corner minimum speed – this is not a single-seater.

'Nissan's approach of taking four drivers and giving us one Time Attack lap [each] was unusual. For us this meant a huge amount of mental stress, but it was a direct comparison between drivers under very similar conditions in the same car. That's when you have to execute the technique I've described. I was confident, but I knew it would be a huge battle between us. Needless to say, all of us were nervous.

'I lost around two seconds in small mistakes, so I believe a 7:06 was in the car, but having said that, I am not sure if my concentration would have allowed me to pull this off. Some high-speed corners I got absolutely perfect, but in some others I could have taken maybe a bit more risk. But it is a very long lap and unlike other circuits you don't really have a second attempt for each corner. The most difficult thing is not to overdrive the car or take too much risk. If I have to lift the throttle only once at an exit, the time will not be achievable, hence it is a very tough balancing act between risk and safety.

'One thing is certain – the Ring is still the ultimate proving ground for road cars. When you enter the track in full attack mode, you know you must always hugely respect it. The moment you don't respect it, the Ring bites you back very hard.'





AS YOU MAY already have read, we managed to track down a perfect, 'factory-fresh' R32 Skyline GT-R

participate in this issue's GT-Rs group test. What you may not realise is just how tricky the search for that car was and how lucky we were to find it.

The reason is that the vast majority of Skyline GT-Rs, from the R32 onwards, are tuned - some dramatically, some modestly. Completely standard ones are as rare as a Japanese petrolhead gamer who has not played Gran Turismo. So why do so many owners end up modifying and tuning their GT-Rs?

One obvious answer is that it is part of Japanese car culture to personalise and modify vehicles. Whereas a lot of fans and owners of cars from European marques consider any alterations from standard to be sacrilege and 'nonpurist', the Japanese have always seen it as their right to stamp their individual identity onto their chariot of choice. This is why there is such a massive aftermarket tuning scene originating in Japan. Famous names like HKS, Trust, Top Secret and Mine's have built very successful businesses developing tuning parts, and have become brands that inspire loyalty and fanaticism to rival or even surpass that for the manufacturer whose vehicles they are modifying.

However, the Japanese factor does not explain why the Skyline GT-R in particular was subject to near universal tuning, even in markets like the UK and Australia. One big reason was the capacity of the big, iron-block straightsix RB26DETT engine for tuning, especially as it was so understressed in standard 276bhp 'gentlemen's agreement' form. A simple ECU remap would liberate an effortless and much more entertaining 360/370bhp, but the standard ceramic turbines were prone to (engine-destroying) failure if pushed much beyond that, so steel-bladed replacements were common. And of course, if you were changing the turbos, it was no more labour to fit bigger ones, hence the slippery slope starting for countless thousands of owners.

Starting from that innocent 'reliability mod', tuning an RB26 could rapidly escalate, with many of the bigname tuners churning out 1000bhp+ monsters, particularly during the R33 era. Several of those early headlinegrabbing 1000bhp cars were little more than drag racing showcases, with





frequent engine blow-ups and rebuilds being par for the course. However, as the dark art of ECU tuning progressed and higher-specification engine parts became available, the likes of Jun and Top Secret did manage to make genuinely reliable, albeit somewhat laggy, 1000bhp engines.

But the GT-R's ace in the hole was its ability to deploy that power in a useable way. Its ATTESA ET-S all-wheel-drive system fed the front axle with only the torque it needed to keep rear wheelspin under control. Combined with the Super-HICAS four-wheel-steering system, the Skyline GT-R could still handle properly with many times its factory power output being pushed out by its engine.

When the R34 GT-R production, I wrote a piece for evo lamenting the passing of the RB26 and predicting there was no way the alloyblock V6 successor would have enough safety margin to allow 1000bhp. How wrong I was. Some US tuners (making up for lost time having been denied the Skyline GT-Rs) have already exceeded







1400bhp on R35s that can and are being used for daily driving duties, and the reliability of the 3.8-litre VR38DETT has been beyond anybody's expectation.

The mighty AMS Alpha Omega currently holds the world record quartermile for an R35 at 7.984sec and will do 0-100mph in 3.03sec and reach 200mph in 11.87sec. This in a completely streetlegal car with a full interior.

Here in the UK, two firms in particular, Litchfield and Severn Valley Motorsport, are busy tuning dozens of R35 GT-Rs every week. My own Fast Fleet GT-R, Stealthzilla, is a Litchfield-fettled LM700 producing over 700bhp combined with Litchfield suspension and an upgraded braking system. The LM series, much like US firm Switzer's creations, are beautifully balanced cars suitable for road and circuit use rather than just being straight-line monsters. Litchfield has tuned a large percentage of the UK's GT-Rs and chief Iain Litchfield expects 'only 30-50 per cent are still standard'.

So rather than being the end, the R35 has continued the GT-R's reputation as a tuning icon. Can this continue if the rumours about the forthcoming R36 having a hybrid drivetrain are true? Only time will tell, but I suspect with heritage this strong, tuners will find a way.

BECAUSE IT MADE THE NÜRBURGRING

The myth and legend of the GT-R is inextricably linked to the Nürburgring. Way back in 1989, Nissan used the place extensively to test the R32 Skyline GT-R. In 1996 the R33 GT-R dipped under the magic eight-minute barrier and rumours of super-sticky tyres and tickled boost abounded. That controversy has never entirely disappeared, and reached hysterical levels when the R35 GT-R arrived in 2008 complete with a 7:38.54 lap time, which was later reduced in better conditions to 7:29.03.

Since then the GT-R, with the heroic efforts of Toshio Suzuki and latterly Michael Krumm, has chipped away at that time and the standard 2014MY car was timed at a GT2 RS-humbling 7:18.60. Then the Nismo version came along and murdered anything short of a Porsche 918 Spyder – in fact when Nissan engineers talk about the Nismo they often cite it as a rival for the 918 and P1. Nissan stands by the claimed times absolutely and there's no doubt that when most of us think Nürburgring, a GT-R pops into our heads about a millisecond later.

BECAUSE FOR THE NEXT GENERATION, NOTHING COMES CLOSE

The GT-R's notoriety grew back in the early days of the PlayStation game Gran Turismo, when everyone wanted a 1000bhp Skyline to kick sand into the face of those pesky exotic European models. A generation of GT-R fans was created. That use of global behaviour patterns continues now in the form of social media and video. YouTube seems to exist entirely for various GT-Rs to out-drag everything from 911 Turbos to Veyrons, and to set incredible lap times at circuits across the world. The kids can't get enough of it. And one day some of those kids will be earning enough money to choose a GT-R over an Aston, an R8 or whatever else might be on the scene.

Even the GT-R's works racing drivers acknowledge the role Gran Turismo played in its (and their) popularity. Speaking to evo. former F1 driver and GT-R pilot Erik Comas said: 'I kept my models of that year as Pennzoil was great in merchandising, and Gran Turismo and PlayStation made my title even more popular.'

BECAUSE IT'S NOW A GLOBAL

Nissan has sold 25,076 R35 GT-Rs globally since the supercoupe's debut in 2007. Of those cars, 5775 have come to Europe.

The GT-R is not a massive seller – indeed in some markets the arguably more exotic Audi R8 finds more customers – but the fact that the GT-R has moved from domestic market oddity to global car has assured its future. The US and Japan buy the most GT-Rs, but inside Europe it's us in the UK who lead the sales charts, followed by Russia, Germany, France and Switzerland.

PART OF OF THE

The path to motorsport success invariably involves a silver spoon/mouth interface. Nissan disagrees. Its GT Academy is an international virtual-to-reality competition that aims to discover professional racers from Gran Turismo gamers.

Last year the GT Academy scored 41 podiums worldwide, including at the Le Mans, Spa and Dubai 24 hours, and won two championships with the GT-R Nismo.

There have been eight graduates since 2008, the stars being Lucas Ordóñez (Nürburgring 24h class winner, currently Nissan Super GT works driver) and Jann Mardenborough, who races in GP3 this year - an acknowledged feeder series for F1...





BECAUSE IT ALL STARTED WITH THIS

The original GT-R is 45 years old and bears little resemblance to today's model, but the car known as 'Hakosuka' cast the die for a road and track hero

by RICHARD MEADEN | PHOTOGRAPHY by DEAN SMITH

THIS BOXY, UPRIGHT four-door saloon is an

unlikely starting point for the GT-R legend, but this is where it all began, the Skyline 2000 GT-R making

its competition debut in February 1969. This particular example is a faithful Nismo-built recreation of the car that won the JAF Grand Prix at the Mount Fuji circuit in May that year; the first of a dozen race victories the new GT-R would score in its debut season.

Officially referred to as the PGC-10, fans of the 2000 GT-R affectionately nicknamed it 'Hakosuka', which literally translates to 'Box Skyline'. Despite its square-rigged styling, I think it really looks the part. It's a handsome machine (and rare too, with just 832 built) set off a treat by its black steel wheels and racing stripes. Lift the long bonnet and the twinoverhead-cam straight-six is a magnificent sight, its hungry array of triple 45DCOE Weber carbs and silver crackle-finish cam cover looking every bit as special as the best European hardware of the day. It was also one of the first production cars with electronic ignition.

This beautiful engine was a new version of the full-race GR-8 engine that sat in the back of Nissan's delightful R380 sports racer. Reengineered for a production car that could be used for touring car racing, it replaced some of the GR-8's exotic magnesium components with ones made from aluminium in an effort to increase durability, but the 1989cc engine remained serious stuff for a four-door saloon. In road tune the GT-R had 158bhp, but in race tune it produced 230bhp, delivered at a screaming 8400rpm, and 149lb ft at 6800rpm. Many regard it as the ancestor of the RB26 motor found in the R32, R33 and R34 GT-Rs.

Inside, the Skyline is hilariously standard, the big steering wheel, flat vinyl seats and rudimentary safety equipment betraying just how close racing cars could be to standard in the late 1960s. There's a harness, a simple roll-cage and, er, that's about it. Even the front passenger seat and rear bench remain. Some wood veneer (it might even be plastic) around the instruments completes the impression that the original version of this car just had some numbers slapped on the side and went racing.

The layout is simple, with that gem of a sixpot up front sending drive through a five-speed manual transmission to the rear wheels. Skinny historic race rubber means grip levels will be modest, which is perhaps just as well given the semi-trailing arm rear suspension. Brakes are discs at the front and drums at the rear.

We're testing the GT-R at Grandrive, a test track located within the campus of one of Nissan's huge factories. It's a big facility with a decent test circuit, so we should have no



Above: inside-rear wheel is unloaded when 2000 GT-R is pushed through tighter bends. Right: straight-six is estimated to fire Hakosuka to 60mph in 7sec. **Below:** interior remains virtually standard



trouble stretching this fine old car's legs on the long straight and pushing it through the track's chicanes, switchbacks and fast sweeps.

This Hakosuka is supported by a team of Nismo technicians, who all treat the car with tremendous respect. Actually, it's more like reverence. This in turn makes me feel unusually nervous, but once the straight-six starts with a glorious carb-fed snort, even the stoniest-faced mechanic cracks a smile, which in turn releases the tension. This is going to be fun.

The throttle has a long travel and the clutch a soft and forgiving bite point, so it's easy to get rolling. The gearbox has a brilliantly sweet shift, the long lever snicking back and forth through the gate with a short, precise throw that's addictive and satisfying. The steering (unassisted, of course) is sharper than you might imagine, but its rate of response remains measured and calm. The car turns in well and its balance is nicely neutral, but through the tighter corners you can feel it begin to unload the inside-rear wheel. Later, in broken English, the mechanics tell me it has a limited-slip

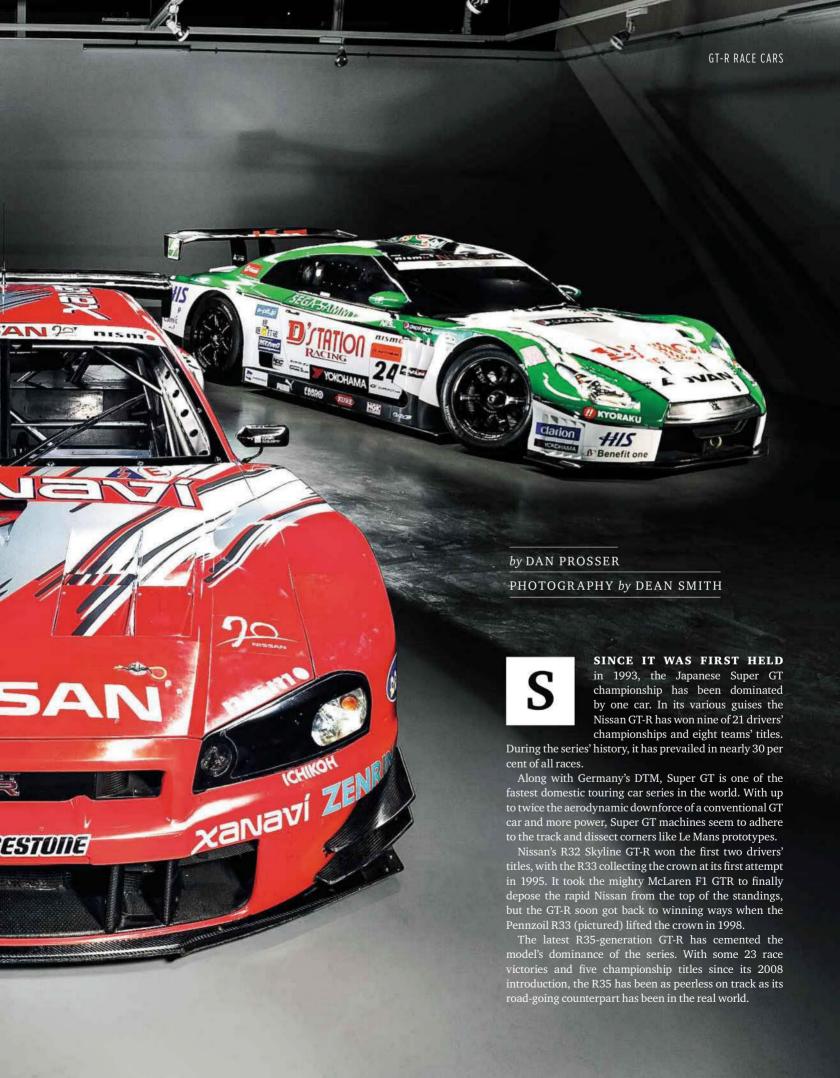


differential, but judging by the way traction and power bleed away when the car is under most lateral load, it might be a little tired.

No matter, for this extremely rare and privileged opportunity isn't the time to attempt some kind of retro drift-fest. Besides, there's tremendous pleasure to be had simply from working the 2000 GT-R's engine through the rev range. It really howls once it's starting to work hard (we're politely requested to stay some way shy of the red line), but it's the way those three carburettors snort and snargle at low revs then build to a resonant bellow through the midrange that's really memorable. It's part Big Healey, part E-type, but with a brittle, smallcapacity zing that sets it apart.

Though clearly nothing like the modern-era Skyline GT-Rs we know today, this pioneering car forged Nissan's reputation in productionbased racing and immediately established the GT-R as a force to be reckoned with, scoring 50 victories in all. It also gave Nissan an insatiable appetite for motorsport success. Nearly 50 years later, that hunger is as strong as ever. ■







1998 PENNZOIL SKYLINE GT-R R33

Achievements: two race victories, winner of 1998 drivers' and teams' titles **Drivers:** Erik Comas, Masami Kageyama

'When I heard from Nismo that we were to have Pennzoil as the main sponsor on the new R33 GT-R in 1998, this was a part of my American racing dream coming through,' says Erik Comas. 'At the time I was living in California and hoping to secure a drive in the Indy Racing League or NASCAR, but it never happened. So continuing my career in Japan with an American sponsor made me happy.

'Together with the Renault 5 Turbo Maxi in which I won the 1987 French Supertourisme Championship, the Pennzoil GT-R was the most aggressive and challenging car I raced. It had big power and the ABS worked well, therefore I was able to brake very deep into the corners. I built a serious advantage on my competitors and even my team-mate.

'The championship had a handicap system of 50kg for each race win, making it difficult to win many races in one year. We won two in 1998, so at one stage we ended up with a 100kg handicap and we were suffering.

'The Pennzoil GT-R won me my first championship title since leaving Formula 1 and this was a kind of resurrection to win a title again after winning championships in go-karts, French Formula 3 and Formula 3000. I will always be thankful to Japan and Nissan for giving me a new chance of being happy in racing after May 1, 1994 [Ayrton Senna's fatal accident], had stopped my enthusiasm.'













EXPERTSFOR BHIDHASIDHA xanavi ivenes

2003 XANAVI **SKYLINE GT-R R34**

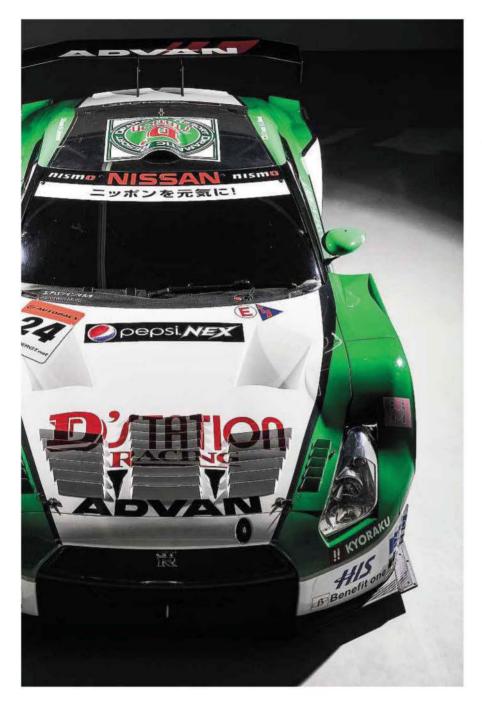
Achievements: four podiums, winner of 2003 drivers' and teams' titles Drivers: Michael Krumm, Satoshi Motoyama

'I first drove the car early in 2003 when we were testing at Sendai Hi-Land, a track Nissan also uses for road-car development,' says Michael Krumm. 'My team-mate, Satoshi Motoyama, drove first and set incredible lap times. He said it was easy to drive, but it was hard to imagine how I could match those times.

'The car was revolutionary as it was very low, the carbon tub was cut shorter than the original road car, so the centre of gravity was low. It took a few laps to grasp that you could turn in at such high speeds. I had a great first impression, something that is very important with new racing cars. The first impression is everything.

'The car was easy to drive at the limit, which is what made it so successful. You could overdrive it and still manage to get it back under any circumstances. It was almost impossible to spin, yet it was versatile and direct. It was super-stable in high-speed corners as well. It was one of the first cars where we could go flat out through 130R at Suzuka in qualifying.

'Winning the championship that year was great because things didn't go that smoothly all year long and it was a tight battle. We had to work very hard for it and that makes it ever so sweeter.'



2012 D'STATION GT-R R35

Achievements: podium at round five, Suzuka

Drivers: Björn Wirdheim, Hironobu Yasuda

'I first drove the R35 in pre-season testing at Sepang in Malaysia,' says Björn Wirdheim. 'At first I couldn't believe how different it was to the Lexus SC430 that I had driven for the previous five seasons, but I soon realised that most of it came down to the Yokohama tyres. It was a very strange feeling initially, almost floating around the track compared to the stiffer Bridgestone tyres I was used to.

'During that time, qualifying tyres were necessary in Super GT and this was Yokohama's strong point. We could find up to two seconds just by swapping tyres, but with such a massive gain in grip it wasn't always easy to adapt and get all the performance out of the tyre. Also, tyre pickup was a major issue in the races and the only way around it was to keep running softer compounds to the point where we had blowouts three races in a row.

'The GT-R had better downforce and it was much better under braking than the Lexus. The [V8] engine lacked torque, though, and this was a weak point, especially as we were getting loaded up with handicap weight. The GT-R needed a more refined driving style given the additional downforce, something I had moved away from in the Lexus, which responded better to a more aggressive style. As a result the GT-R was less forgiving – even a small mistake would result in a big time loss.

'The podium at Suzuka with this car in 2012 was special. Our Yokohama tyre was not competitive until the second half of the season, when most cars were carrying 50kg-plus of handicap weight. After qualifying we'd almost written that weekend off, but halfway through the race, with the track surface getting grippier, the tyres came into their own. That podium is my best memory from my two years with Nismo and Kondo Racing.'





WHAT WE WANT

ACCORDING TO THE GT-R'S CHIEF ENGINEER, KAZUTOSHI

Mizuno, motoring journalists are obsessed with lightness in car design. He reckons we exist under the illusion that lightness is invariably a virtue in the pursuit of performance. It seems to be a fairly indisputable value, but Mizuno has gone on record as saying that the GT-R would suffer by shedding a few kilos. That may seem counter-intuitive, but he is absolutely right about motoring journalists: a quick straw poll of the evo office revealed we very evidently are obsessed with lightness.

When asked to offer suggestions for the next-generation GT-R, 'lighter' and 'smaller' were overwhelmingly the most frequently occurring wishes. Comments, delivered anonymously, included 'lose some weight', 'footprint no bigger than current car, ideally smaller' and the technically enlightened 'not as lardy as the R35'.

It's enough to send a Japanese car engineer loopy. Although Mizuno relative maintains the GT-R's corpulence is what gives the car its stability, we'd still like to see its replacement slim down to around 1600kg - perhaps through using lightweight materials and a reduction in external dimensions – to sharpen its responses and further boost the already bonkers straight-line performance.

The R35's sound and styling also came in for criticism, but there was not a single mention of hybrid technology. Not such a progressive bunch, us lot.

WHAT YOU WANT

SHOULD THE NEXT Nissan GT-R evolve?' we asked on our forum (community.evo.co.uk/forums) and via the evo Facebook page. Lighter, louder, faster, more powerful, better looking, more tech and much cheaper

were the replies. You're a rather demanding bunch, aren't you?

Being serious for a moment, though, lightness is what the vast majority of you are calling for. The 2014MY GT-R tipped our office scales at 1783kg; that makes it portlier than a Range Rover Evoque.

'Forget all the extra power, just do one that isn't the size of a small house and that weighs less than an aircraft carrier,' reckons Mike RT4 on our forum. 'It would have the same effect on performance as adding all the power, but make it a better car. Making it more powerful is just going to add more weight, as the cooling and braking systems would need upgrading, so going down this route is chasing diminishing returns.' Users' suggestions for weight loss include carbon construction, the ditching of

WHAT NISSAN TOLD US

WE ASKED NISSAN'S CHIEF PLANNING OFFICER AND SPORTS

car nut Andy Palmer to give us a heads-up on the next-gen GT-R. Often senior execs (and few are more senior than Palmer) refuse to discuss future products. But Andy's not your average senior exec...

'Other guys have caught up in terms of power,' begins Palmer, 'but I'm not sure anybody has caught up in terms of price per power. That price tag is very important for me. Not everybody can afford it but there's a lot more people who can afford a GT-R than a Ferrari or a Porsche 918, for example.

> Can we come with more? I do believe we can. We've registered the R-Hybrid trademark...

'I do think there's mileage in hybridisation, not from the perspective of economy but from that ability to fill in torque curves and performance where you need it, in particular more torque for corner-exit. We have the potential to make something startling.

'I can't tell you the solution but weight plays a part, as does aerodynamics. We are a world-leader in automotive materials, we have unique technologies in hybridisation thanks to vehicles like the Leaf and we have some of the GT-R's groundbreaking systems.

'Some things that allow you to put more power to the ground have a weight penalty, so there will have to be trade-offs with weight reduction in other areas. I'm not saying the next model will be lighter overall, but there will be weight savings in places.'



Everyone has an opinion on the GT-R, as well as on the direction in which Nissan should take its famous machine in the future. Here's what we, you and Nissan think

2+2 seating or four-wheel drive, plus numerous (and almost certainly fruitless) calls for a manual gearbox.

On the flipside, there's also a strong desire for new tech, inspired by the GT-R's multitudinous rivals. Four-wheel steering and carbon brakes are a popular choice, while the rumours of hybrid power are well received - so long as it is implemented in an appropriate way. 'The GT-R doesn't really need an electric-only mode, just enough storage to complement the petrol engine in hard driving,' Samoht tells our forum. 'A 600bhp petrol engine plus 100bhp electric motor would allow Nissan to claim a 700bhp headline "instantaneous" figure.'

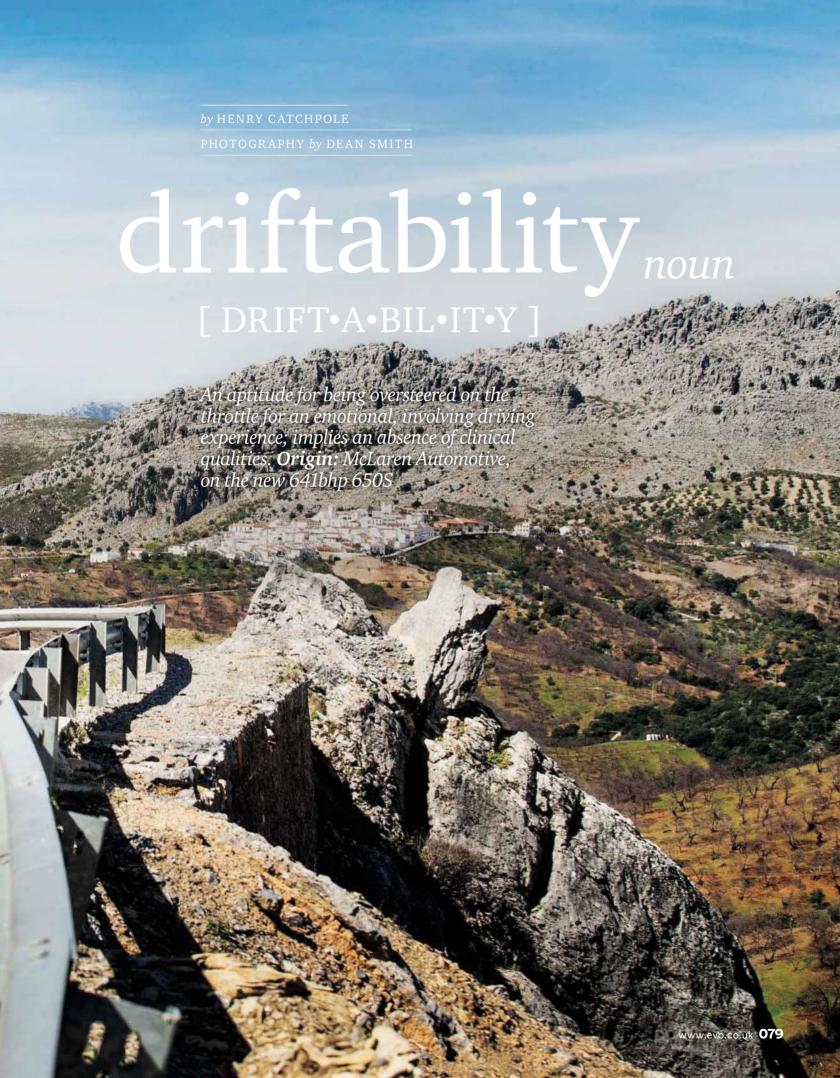
Several forum users crave a simpler, more accessible GT-R variant, among them Paul 1985: 'For previous Skyline versions there was a

"younger brother" model to the GT-R - the GTS-T. I would love to see an introduction of a model more in line with this version: less expensive, RWD, turbocharged, less power and less weight. Something that could potentially keep an M4 honest, but at a lower cost.' Others are less radical,

ShockDiamonds perhaps the most succinct with his feelings: 'If it isn't loaded with tech, a tad overweight but still shockingly capable, then it's not a GT-R. Those asking for lighter, less powerful replacements are missing the point. Nissan aren't making a Lotus.'

Over on Facebook, there's still the perception that the GT-R has cold, involvement-free dynamics that need an injection of fun. Many commenters reflected our forum users though, while our favourite suggestions came from Paranjay Dutt: 'Two things: 1. Continue with routine progress. Nissan do a brilliant job, and the next GT-R will reflect that. A little less weight, and probably increasing driver's control in some modes will make it even better. 2. Stop GT-R fanboys from voicing their opinion against every other car on Earth.'





THE COACH LUMBERS its way through the glorious corners of the Ronda road with all the enthusiasm of an elephant on Valium. Being swilled one way... then the

other in the slightly fuggy interior, its OAP occupants must surely be feeling a bit queasy by now. I would be. Behind, sitting barely higher than the coach's wheel nuts, I feel like a cheetah trying to look through the elephant's legs, waiting to find a way past (animal traffic jams are a real pain in the Masai Mara...).

I'm scanning the road ahead, eyes on stalks, looking for the smallest sliver of an opportunity between the corners. The wait seems endless, but then there it is. Round a long left-hander a clear stretch opens out and the McLaren, primed in second gear, needs no second invitation. With an extra 58lb ft over a 12C. the 650S is brutal under full acceleration and what looked like a slim chance of an overtaking opportunity turns out to be a gaping great one as I slot safely back in, barely a third of the way to the next corner.

Released into clear air, and with an empty road ahead thanks to the coach's ponderous progress, the 650S gets to work... and it's quite incredible. Imagine the feeling you get walking or running on one of those travelators in airports; your legs are moving like normal, but the walls with their adverts for perfumes and banks are blurring past your peripheral vision about 25 per cent faster than your brain tells you they should be. Well, driving the McLaren 650S feels rather like the sinuous road beneath vou has turned into one of those travelators.

With a monstrous 641bhp (25bhp up on the 12C) it has Group B levels of turbocharged propulsion, but because it deploys that power through specially developed Pirelli P Zero Corsas it just slices down the road, G-forces squeezing your chest under acceleration and tensing your neck muscles through the corners. It is performance of a staggering magnitude and a very physical nature. When you stop or slow down to give yourself a mental and corporal breather after a sustained run, you're momentarily left with a curious, almost disorientated feeling of coming back down to Earth. A bit like when you step off a travelator,

So, what is the 650S? Well, fundamentally it's a development of and a replacement for the 12C. The presentation at the original unveiling of this car talked a lot about 'driftability', the implication being that the 650S is more fun and more adjustable in the way it drives than the rather clinical 12C. The plot thickens, however, because out here in Spain the focus of McLaren's message seems to have shifted slightly to the car's performance. The short briefing we had styled the £195,250 650S as a car that has better performance than a 458 Speciale or 991

GT3 (neither was actually named, obviously) but without the rawness and compromises in habitability, useability and ride quality.

The claimed performance is certainly pretty mind-blowing: 0-60mph in 2.9sec is impressive, but it's the 0-100mph time which really sets out the McLaren's stall - just 5.7sec. Having recently felt the almost uncomfortable catapult effect of a 911 Turbo doing 6.9sec to 100mph while figuring it for a video, the idea of a 650S lopping over a second off that time boggles my mind. The Speciale can't match this pace, either. The Ferrari takes a claimed 9.1sec to reach 124mph. The 650S? 8.4sec.

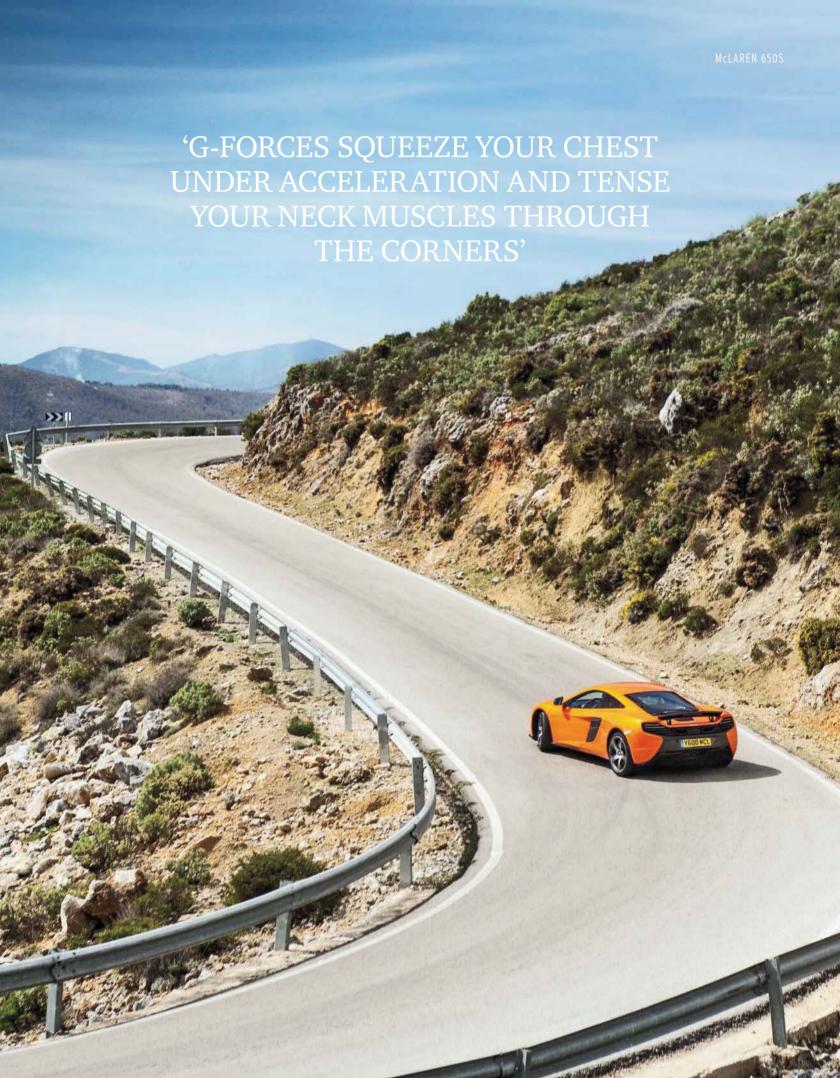
Most of the extra straight-line performance over the 12C (which takes 6.1sec to 100mph on Corsa tyres) comes from the reworked engine, which has new pistons, cylinder heads and exhaust valves, and revised cam timing. But for some customers these uprated engine internals will simply be a nice bonus, because the entire reason they will want a 650S when they might not have considered a 12C is for the way it looks. That morning, wandering out into the sunshine and seeing a row of 650Ss (McLaren still hasn't got the hang of catchy names) basking sideby-side, they seem far more aggressive, with something lizard-like about the eyes. There are several new colours available, including an acid green and our car's searing Tarocco Orange, all of which look stunning, but despite the highlighter colour palette it's definitely the new



Above: Airbrake deploys to improve stability when lifting off or cresting a hill; this new functionality, along with a DRS mode. will be offered to existing 12C customers as a free 'Technology Upgrade'

















This page: test car features a host of optional carbonfibre parts, including the side intakes (£2280), 'racing' seats (£5120) and Airbrake (£3180): the diamond-cut wheel finish is £1550, Tarocco Orange paint £4090; in fact the options on this car total £70,740(!) - and that's on top of a £19k price rise over the 12C





nose that makes the real difference, giving the 650S a much more distinctive McLaren identity than the 12C and sprinkling the car with a bit of P1 kudos. Aerodynamically the new snout also increases downforce by 40 per cent, the car now generating 100kg at 150mph, but that almost seems like a bonus.

Inside, there is no real change to the architecture, but the interior is fully trimmed in Alcantara as standard, you get a reversing camera and you can now spec some rather lovely fixed-back carbon racing seats. Getting into them is a slightly ungainly process (at least it is for me) whereby you have to fall backwards into the car and then swing your legs in afterwards, but it's worth it, because once in you sit even lower than with the standard seats and your hips feel much more securely located.

Press the silver starter button and hear the twin-turbo V8 start quite discreetly, then reach up with your other hand and pull down firmly on the door to close it with a thunk, followed by the window whirring up. Heading through town and then onto the motorway with the adaptive powertrain and handling modes set to Normal, it's really very like a 12C. The spring rates are up by 22 per cent at the front and 37 per cent at the rear, which inevitably has some effect on the ride quality, but it's nothing like as severe as you'd imagine. Smaller bumps seem to be a bit more noticeable, but over bigger undulations there is still that slightly loose-limbed, waterbed sensation as it soaks everything up. Combined with the crystalclear Meridian speakers playing some Katy

Perry (photographer Dean Smith's choice) and the air con supplying a cooling zephyr through the vents, there is certainly nothing about the experience you would call hardcore.

The calm only serves to make the storm all the more shocking of course. Pressing the Active button so that it glows orange and switching the dials to Sport or even Track (such is the general smoothness of the surface) stiffens the 650's sinews and slices its response times. The combination of the stiffer springs and the Corsa rubber means that you seem to get a better initial reaction as you turn into a corner and then more confidence to lean on the front end. Until the tyres have got some heat in them there is a bit of understeer to manage through the tighter corners, and you can get the 650 to oversteer if you're on the throttle with the boost building early enough, but by and large the car is simply stunningly fast and completely composed without an ounce of slip.

In the past this poise would occasionally have been disrupted by the braking, but not any more. The 650 comes as standard with carbon-ceramic discs, but where there used to be a horrible dead feeling at the top of the pedal travel followed by what felt like an

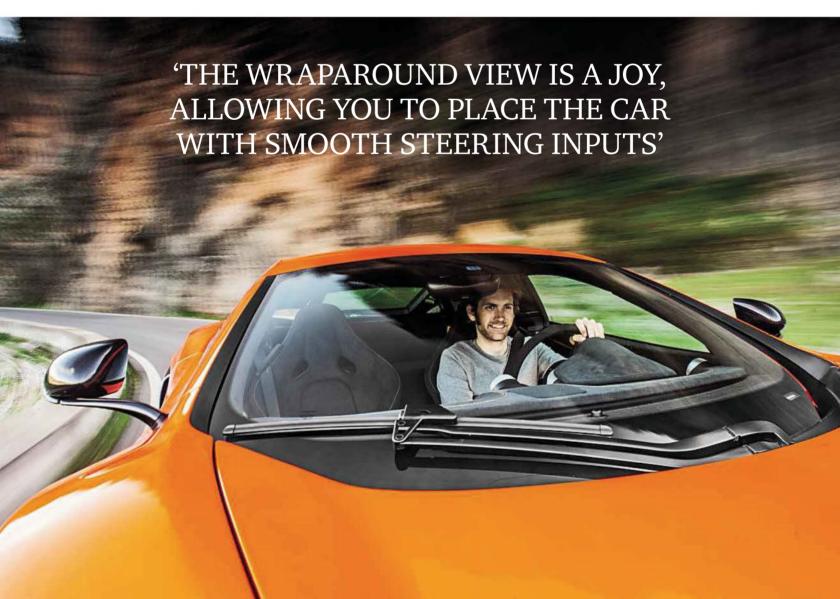
abrupt application of pad to disc, there is now superb, feelsome progression. It was actually something that was noticeable from the very first miles through town, because it's there, when you just want a light application of the brake to gently scrub a bit of speed, that they used to be at their most awkward. McLaren says there has been no hardware change in pad material, just a retuning of the booster. It's certainly worked. Now the brakes not only allow gentle applications, they also give better feel right up to the point of ABS kicking in. I'm not generally the last of the late brakers, but the 650S encourages me to wait longer and then brake deeper than I would normally, aided of course by the ease of a paddleshift.

The wraparound view out of the windscreen is still a joy too, allowing you to look through corners, plot your course and place the car with smooth steering inputs. On the spectacular road we're using for photography it's amazingly easy to fall into a rhythm, covering ground almost uncomfortably quickly, yet somehow incredibly efficiently. There is the odd moment when what sounds like the nose, but is actually some small plastic flaps just in front of the tyres, catches on the ground with an uncomfortable <code>schkkkk</code>, but

otherwise the car remains totally unflustered.

And that's the slight problem. Pure performance has its own thrill, of that there is no doubt, but there's some emotion still lacking in the 650S. I get to the end of several fast runs on the road feeling in awe of and slightly giddy with the speed, but not elated and grinning at the driving experience. I think a big part of the problem is the sound. The turbocharged engine simply doesn't make a noise that you crave. There's supposedly a new cylinder cut on upshifts in Sport mode, but sadly I can't really detect the added drama it's meant to add, and although overall it's not a bad sound that's being piped into the cabin, you won't lie awake at night longing for the next time you hear it. As a result you tend to treat the McLaren's engine as a means of propulsion that you use and enjoy the results of, but you never quite engage with it like you do a yowling naturally aspirated V8 or flat-six. The 911 Turbo has the same problem. The California T will be interesting.

To be honest, once we're finished doing the photos on the road, I'm not entirely sure how much more I'm going to learn from driving the 650S on track, but with the Ascari race resort at our disposal it seems stupid not to head up





'THERE IS SO MUCH ABOUT THE 650S THAT IS AN IMPROVEMENT'

and do a few laps. I'm very glad I do. However fast you might feel you drive on the road, you never really hold on to the gears and lean on the tyres to the extent you do on a racetrack, and it's obvious within just a few corners how much better and much more fun the 650S is compared with the 12C round a circuit. The whole car simply feels better balanced and more intuitive in the way it reacts, allowing you to work both front and rear tyres more easily.

Despite the Airbrake, which you occasionally notice flipping up in the rear-view mirror, the car still feels quite mobile under heavy braking, which can be unnerving, but equally you can use this to your advantage. As for driftability, well, through the slower, second-gear corners the 650S is easy to slide gratuitously, lighting up the rear tyres with the torque and the ESP's clever 'fake diff' then managing things perfectly. Even more satisfying are the fast corners where you can balance the car on turnin, feel the front slide slightly as you work it towards the apex, and then use the throttle to get the rear wheels just over-rotating after the apex so that they are still driving forwards but

also smearing and steering you subtly round without the need for any corrective lock. Even through the super-fast kink on the back straight the 650S has so much power that you can feel the tail just drifting the car wide and running you out to the exit kerb when you get back on the throttle. And all this is in a Spider, because McLaren is launching both versions of the 650S at the same time and is keen to demonstrate that there is no discernible dynamic difference between the two models. Remarkable really.

Back in the coupe a couple of hours later, Dean suggests that we 'pop up the road to get a sunset shot' (you can see the result in Contents, on page 8). I should have learnt by now, but this involves us getting lost. We do at least find some goats in trees (which make Dean happier than I've ever seen him) and as a result of being late and benighted we are able to try out the new LED headlights on our rather rapid drive back to the hotel, where McLaren are waiting. I'm pleased to report that the LEDs are a vast improvement on the 12C's candle-based efforts.

There is so much about the 650S that is an improvement. The feel of the carbon brakes,

the handling balance, the extra thump out of the corners, the lights, the seats, the looks (for some) – all of these make it more appealing than the 12C. A few owners will miss the 12C's smidgen of extra ride comfort and ability not to scuff its nose, but equally anyone who goes near a track will forgive the 650S these compromises in a heartbeat for the added enjoyment you now get from threading it between painted kerbs.

On the road it feels, perhaps more than ever, that the 650S is a car where you enjoy performance for performance's sake. It is mighty thrilling to go for a strop in the 650S because the Corsas (on warm, dry tarmac at least) take grip levels in all directions to new heights, but the downside is that the 'driftability' only comes in at a level that is largely out of reach on the road. Perhaps sacrificing just a *bit* of the civility for a *bit* more of the emotional rawness of a GT3 or Speciale would have been nice too.

As always, it will be interesting to try the car on the colder, more lumpen asphalt of Wales or Scotland. I suspect we'll find that there are few (if any) faster ways to get from A to B, but still some more enjoyable ones.



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MISSION 55

by HENRY CATCHPOLE PHOTOGRAPHY by DEAN SMITH

The charity set up by Major James Cameron to give British servicemen opportunities in motorsport isn't just about quick lap times – it's also helping rebuild lives damaged by military operations. We profile just a few of Mission Motorsport's success stories



'YOU SHOULD FEEL HOW LIGHT

these legs are,' says Davie in his rolling Fife accent.

And without further ado, he leans against the wall of the pit garage at Donington Park (where a Mission

Motorsport trackday is in full flow), swings a leg up in the air and instructs me to 'pull'. Obviously I do as I'm told and with a sharp tug, I'm left holding an impressively light piece of carbonfibre with a Sparco racing boot on one end and a sort of large goblet on the other.

'These are my racing legs,' he says. 'They're pretty trick, and if you compare them to my everyday legs over there you'll see how much lighter they are.' It turns out Davie (David Birrell, otherwise known as 'The Flying Scotsman' or 'Davie No Legs') designed the legs himself, using small, size-5 feet so that he could work the pedals more easily. Yes, work the pedals. All three of them.

Davie began his army career with the Black Watch and completed tours of Iraq and Northern Ireland. In 2007 he was also the light-welterweight army boxing champion. Then in 2010, while serving in Afghanistan with 1st Battalion, Royal Regiment of Scotland (1 SCOTS), his interpreter stood on an Improvised Explosive Device (IED). The interpreter was killed and Birrell woke up from a twoweek coma to discover his left leg had been amputated below the knee. He admits to being in an extremely dark place mentally, something that wasn't improved when his right leg later had to be removed as well.

Davie is clearly made of stern stuff, however, and after a spell karting with hand controls, he was determined that he would be able to drive a car with a manual gearbox again and set about teaching himself in his old Evo on an airfield. His goal was to enter the Want2Race competition to win a drive in a Ginetta G40. There were 300 entrants for the competition and on merit Davie got through to the last eight. Ginetta were so impressed that, although he didn't win, they phoned him up a few days later and offered to put him through his ARDS test and gave him a race suit. Subsequently Davie has gone on to race a car without any adaptations and this year he's racing one of the Mission Motorsport MX-5s in the Max5 series.

This feature was originally going to be about Major James Cameron, who co-founded Mission Motorsport and was evo's Man of the Year in 2013 (he's got the pants to prove it and everything – ask him if you ever meet him). You'd like Jim. He's owned all sorts of cars, some of them very cool (a road-legal 1976 911 Carrera 3-litre race car), some of them more esoteric (a V6 Mk3 Cortina 'General Lee'), and has raced and rallied a variety of machinery too. But when we went to interview him over at the newly acquired Mission Motorsport workshop near Wantage, he was adamant that the story was really about chaps like Davie. He was right, of course.

It's been a meteoric rise for MM, which Cameron set

'LOOK BEYOND THE CVs AND YOU'VE GOT PEOPLE WHO ARE USED TO TURNING UP ON TIME, WORKING HARD, MUCKING IN AND GOING ABOVE AND BEYOND'

up after returning from Afghanistan in 2011. He cheerfully claims he spent most of his army career trying to make heavy armour go sideways (his Twitter handle is @tankslider), but as a Royal Tank Regiment officer, he latterly commanded the Warthog Group in Afghanistan. Sadly he saw colleagues and friends killed, and many more were injured during the tour, so upon arrival back in the UK he

was determined to do something for the wounded within his squadron.

One of the first proto-Mission Motorsport events was an entry at the Britcar 24 Hours race at Silverstone in 2011, with a team made up of serving soldiers doing the driving and a pit crew comprising the recently wounded. Mazda and Jota Sport supported them and Cameron organised various publicity stunts, such as racing a Challenger tank and then doing doughnuts under a hovering Apache attack helicopter. As you do.

But it was an episode during the race, in the wee small hours of the morning, that Cameron cites as the most memorable. It was about 4am, he'd just got out of the car and - unable to sleep, still buzzing from the adrenalin he wandered back to the pits to talk to Sam Hignet, boss of Jota, only to find there was no sign of the boys. Keen to know where they were, he had a look around and eventually discovered them in a nearby garage, up to their elbows in grease, helping another team to repair its Toyota MR2 and get it back out on track.

For Cameron, it's episodes like that which demonstrate exactly why ex-service personnel can make such brilliant employees. Look beyond the CVs and vou've got people who are used to turning up on time, working hard, mucking in and going above and beyond. If they're not being shot at, then it's a bonus. Apparently this is actually a pretty easy idea to sell to companies, but it can be harder to make the soldiers themselves see how potentially valuable and employable they are, so a big part of what Mission Motorsport does is try to give people their selfesteem back and see that there is a potentially fulfilling life beyond the army.

A perfect example of Mission Motorsport's motto -'Race, Recover, Retrain' - is Sergeant Gary Dunning, who cheerfully says that he has broken so many bones in his body over the years that he's lost count! But that wasn't the reason for him being medically discharged. One of Gary's tasks in Afghanistan was to go out and recover the bodies of servicemen or women that had been killed, get them back to camp and prepare them for repatriation. It's hardly surprising, therefore, that he suffered from Post-Traumatic Stress Disorder. Back in the UK he was, in his own words, 'a bit of a mess' and it affected not only him, but his whole family. Perhaps the best person to describe what happened next is Gary's wife, Joanne.

'We first became aware of MM through a publication I saw at work,' she says. 'Gary then attended the MM launch and was very impressed, but didn't have the confidence to talk to Jim [Cameron] or anybody else that day. Gary knew that I worked with Jim so asked me to mention that he had been to the launch, which I did. A short time later Jim asked if Gary was free that weekend, and that was the beginning of Gary's incredible summer with MM.

'Whether it was racing or picking up and dropping off cars, he was absolutely loving every minute of it. I knew he hoped that this would be a new career but I was very sceptical indeed, and couldn't see how it could possibly lead to a new career. Who would want a broken, 40-plus racing driver?

'However, when Gary was racing with MM in the Britcar 24 Hours at Silverstone we went to watch him race on the Sunday and I saw why he loved MM so much. It wasn't just the racing side – there was a real sense of family, belonging and camaraderie. I saw Gary get out of the car after his stint and just walk over to the press to be filmed and do interviews - it was amazing to see him so relaxed in front of the cameras.' Gary himself said that MM gave him the confidence not to be 'the grey person sitting in the corner' in interviews and he's subsequently gone on to do work for Aston Martin Racing, Prodrive and Darren Turner's simulator business Base Performance.

Then there is Lance Corporal David Colman, arguably MM's most high-profile success story. Colman was diagnosed with ulcerative colitis after becoming ill while serving out in the Forward Operating Base in Helmand province in 2007. After four operations and the removal of his bowel, he had been transformed from a super-fit squaddie to someone who frequently struggled to get up in the morning. In 2012 he was scheduled to be medically







missionmotorsport.org









Right: new Mission Motorsport HQ in Oxfordshire is a hotchpotch of cars in various states of repair and raceworthiness. Below: trackday at Donington Park in February for ex-service personnel ran at full capacity



discharged from the army, leaving him with a family to support and very few job prospects.

Colman himself takes up the story: 'I was in a really bad way emotionally, feeling hugely let down by the system and totally on the scrap heap. All my previous skills and qualifications were for jobs that I could simply no longer do. That's when my employment consultant put me in touch with Mission Motorsport. They got me involved in all kinds of activities, which allowed me to test my boundaries in a controlled environment and confirm what I can and can't cope with any more. Through this I was offered a work placement with Caterham F1, which ultimately led to permanent employment with them.'

What began as an almost personal quest for Cameron to help the wounded from his squadron has developed into a Defence-wide initiative that works closely with Help For Heroes and the army's Recovery Career Services. Given the numerous success stories, it's easy to forget just what a young and relatively small charity Mission Motorsport is. Cameron shows me around the new workshops before the trackday, and although he's rightly proud of the buildings,

'IF YOU THINK MM HO MUST BE A MINIATURE McLAREN TECHNOLOGY CENTRE, THINK AGAIN'

if you think that jobs with Caterham F1, Prodrive, etc mean MM HQ must be some glossy miniature McLaren Technology Centre, think again.

Two freezing cold grey barns on an industrial estate are filled with an old hydraulic inspection ramp (donated by RJN Motorsport), a line-up of donated Mk1 MX-5 race cars in various states of repair, 'Sheila' the 550bhp Ford F6 Typhoon drift car (donated by Prodrive along with a separate cutaway F6 that can be used as a teaching tool) and the old MM battle bus (which originally did service for INXS while they were on tour).

Cameron cheerfully explains where he hopes a classroom will eventually be and points out a room at the back where MM currently does car wrapping. Despite the fact that it must feel like heaven compared to Helmand, there is, shall we say, a lot of 'potential' still left in the site. And you can't help thinking that if so much good has already come out of what is essentially very little, what could MM eventually achieve as the charity grows in the

Hopefully all this explains a little more clearly why Major James Cameron was evo's 2013 Man of the Year. What he has done really is remarkable. And whether it's thinking about employing an ex-serviceman, buying something small from the mission motorsport.org website, or simply cheering on Davie No Legs and the other MM drivers at an event this year, we really hope that you feel you can give them your support too. ■

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M & M?

It wears an 'M' badge, but is the M235i a match for a full-blooded M-car? With low-mileage used E92 M3s available for the same money as BMW's new coupe, we thought we'd better find out





WE'VE BEATEN THE SUNRISE TO THE

top of this peak in the Brecon Beacons, but the rain got here first. With the sun yet to breach the hills to the east and a stinking great cloud – almost black at its core, motionless in the stiff breeze – dumping its chilling contents upon us,

there's nothing to do but take shelter in our cars. From the warmth of the M235i, I have a moment to contemplate the E92 M3 that slowly manoeuvres to my left around the gravel car park, to remind myself of its flared arches, the pronounced bonnet bulge and those four stubby exhaust tips. Just there, in silver bodywork, is a dedicated performance car, a real product of the M division. In its company the humble M235i lacks both visual and actual muscle; it has neither the breeding nor the hardware to compare. Even before the sun has tipped into view, I'm beginning to wonder if we haven't set the new car up for an ignominious fall.

Judged in isolation, the M235i Coupe is an intriguing car. It's the













Above: south Wales roads offer a mix of corners and conditions to test M235i (dark blue) and M3. Far left: M3's quartet of exhausts emit beautiful sound of 4-litre V8. Left: Prosser reckons you can easily make a case for choosing a DCT M3 over a manual ninth model in BMW's M Performance line-up, billed as a halfway house between the marque's mainstream cars and its M-badged road racers. Having impressed us on the international launch in the Nevadan desert earlier this year (evo 193), we know it's a capable machine, and at a little over £34,000, it might even be the real-world hero of 2014. Splendid isolation and favourable conditions cannot last, though, and in the vicinity of a bona fide M-car, and in this chilly Welsh setting, the M235i has to prove its worth all over again. The rain eases and several litres of icy water are swept away from the bodywork just in time for Dean Smith's camera to catch the sun bursting over the horizon.

There is, of course, reason to gather this pair beyond a simple benchmarking exercise. V8-powered M3s can now be bought for less than £17,000, while the same £34k that BMW asks for the M235i will afford a 2011 model with fewer than 20,000 miles, complete with a manufacturer warranty. How, then, does the M235i stack up against one of the great performance coupes of recent years, and is a three-year-old V8 M3 a better buy regardless?

The useful asphalt only totals five or six miles in this particular corner of the Beacons, but there's enough variety in surface type, topography and corner speed to get a full picture of the M235i's dynamic make-up. The

slower. Through third-gear bends the M235i settles into a neutral stance, leaning equally hard on each axle until the power is fed in and the rear end over-rotates just a little so that the car exits the bend in an almost imperceptible drift. Out of the few second-gear corners that cling to the side of the valley, the M235i will either waste most of that turbocharged muscle by spinning up the inside-rear wheel (a limited-slip differential is optional on this model and absent here) or, if the driver loads up the chassis and gradually feeds in the power to get both wheels driving before releasing the torque, it'll slide out suddenly but quite gracefully.

The most demanding length of road lies ahead. It's faster even than the section over the top, but with an undulating surface that demands tight body control. Attack it with commitment and the M235i begins to fall a little short. That pliancy that worked so effectively earlier on has now become an unhelpful imprecision and floatiness. Where the road crests and turns at once, the driver must be patient, allowing the car to settle from one vertical motion before winding in a steering input to provoke a new lateral motion. It's the M235i's most significant impediment to cross-country pace and it means that, along a vumping road like this one, the car's limits are well within those of the driver.

'In the vicinity of a bona fide M-car and in this chilly Welsh setting, the M235i has to prove its worth'

section that runs right over the top of the moors is smooth and flowing, mostly fourth-gear until it begins to drop down again into the valley. The M235i pours into these quick corners with strong and predictable grip across the front axle, its electrically assisted steering feeling direct and quite natural in its weighting.

Surface imperfections are few and far between over this particular stretch, but what lumps and bumps the M235i does encounter are dealt with cleanly and without deflection. The 321bhp turbocharged six-cylinder engine, meanwhile, pulls with immediacy and a brute force from low in the rev range (peak torque extends from 1300 to 4500rpm), then with a definite urgency towards the top end. The manual gearbox is slick and satisfying.

This first bit of road is undemanding and the M235i duly dismisses it without a fuss. Then we drop into the valley, clear of the blustering wind. The surface is still shiny from the downpour, the corners now tighter and

For the most part, though, initial impressions are very positive indeed. Until, that is, you approach the same roads in the M3. Immediately its hydraulically assisted steering has a gritty quality and the wheel wriggles and writhes in your hands where the M235i's helm is numb. There's a tautness to the ride quality, a little less comfort and isolation from the surface, but still a pliancy when needed. Only on the tighter sections can the M235i keep pace with the M3, for when the road opens up, the bigger car pulls out an advantage with each new gear, the 414bhp engine building to a frantic, howling crescendo over 8000rpm. The gears snap home with a pull of right-side paddle, the tug towards the horizon barely interrupted.

Paddleshift gearboxes aren't to all tastes, but when linked to an engine as exciting as this they can add to the experience rather than detract from it. Each upshift bangs in instantly and the engine lights up in a blare of revs with each downshift. This DCT twin-clutch option could

Below: M235i's 93bhp deficit to the M3 feels stark when its twin-turbo straight-six is revved to the top end; damp surfaces help the new car come alive on the throttle



reasonably be the preference of an enthusiast driver, particularly because the shift action of manual V8 M3s can be slightly notchy.

Over the tighter, slower road and the cresting, undulating stretch, the M3 makes known its genuine M-car credentials over and above the M235i. The M differential between the rear wheels and the linear power delivery make the M3 a more manageable and predictable car under power at corner exit. It feels as though there's a taut cable between your right foot and the rear contact patches, so sharp and faithful is the response to each application of the throttle, and that makes the M3 the quicker and more enjoyable of the pair away from the apex.

The tighter, firmer low-speed ride translates to a greater degree of body control along the most demanding stretch of road, so the M3 is better able to commit to one corner while settling from a sharp crest, or turn into another while hard on the brakes. In truth the M3 doesn't quite control its masses as brilliantly as memory served, but it's better tied down to the surface than the M235i and quicker cross-

country as a result. Its brakes, however, are under-equipped for purpose.

It's getting back into the M235i at this point that highlights just what the manifest differences are between a full M-car and one that simply wears the badge. On its own, the M235i's engine seemed to rev hard and keenly at the top end, but in contrast to the M3 it gives up all too soon, demanding a new gear just when that wonderful V8 would be starting to light up. Its steering, too, is remote and vague compared to the M3's, and its brake pedal is numb. Over the testing, demanding surfaces of typical British back-roads, the M3 is precise and agile where the M235i can at times feels wallowy and under-damped.

As the roads dry out, the M235i also becomes a more one-dimensional device, for it no longer has the sheer power to overcome traction and exit bends with the progressive, neutral-to-oversteer stance that makes the M3 so absorbing. Reduced grip flatters the M235i a little, because on a dry surface much of that involvement and throttle adjustability is lost.

One word perfectly encapsulates the differences between these cars: excitement. In the way that V8 engine rushes to its rev limiter, in the glorious sound it emits from those four exhausts, in the way the car looks and in the way it attacks a road rather than acquiescing to it, the M3 is a more engaging, more involving and more exciting performance car.

The M235i arrived at this duel fit and confident, broadly talented and with enough long-term appeal to have your pen hovering over the dotted line. Perspective afforded by a direct comparison with a more uncompromising sports coupe showed up its weaknesses, though, and it is perspective that will determine your own opinion of the M235i. Those trading up will think it a fun and rewarding performance car and those trading down from a genuine M-car will find it a little numb and unexciting. Ignominious fall? Not really. It remains a great car, we just now know what its limitations are. In its defence, it never did pretend to be a product of the M division.

For those considering each of these, just know that an approved used M3 does a better job of being a brand-new car than the M235i does of being an M-car. If a V8-powered M3 really is a viable alternative and you can live with the running expenses (servicing, tyres and insurance could each cost £1000 per year and it uses around 40 per cent more fuel), you wouldn't forgive yourself for denying your daily life that screaming V8, that playful chassis balance, those muscular good looks and that addictive sense of excitement.

With thanks to M3 owner Andrew Mulholland.



£34,000 alternatives

What else can be bought on the used market for the price of a new BMW M235i?



Porsche 911 (997) Carrera

For its wonderful driving dynamics the 997 will long be remembered. Manufacturer-approved 997s start at around £34k for an example below 40,000 miles. Some early cars have had terminal engine failures, but with a two-year warranty, the approved used scheme offers comprehensive cover.



Mercedes C63 AMG

For an authentic muscle car experience, look no further. Coupe versions are still around £38k, but there are plenty of saloons with manufacturer warranties for this or less. With 451bhp, the V8-engined C63 comfortably outguns both the M235i and E92 M3, but it's not quite as sharp as its Bavarian rivals.



Aston Martin V8 Vantage

If beauty and prestige are priorities for you, it's hard to do much better than a V8 Vantage. Aston Martin-approved cars, which come with a one-year warranty, just about creep in at this budget, although you'll be looking at an early '05/'06 example and these aren't as well resolved as later models.

Specifications

BMW M235i

BMW M3 (E92)

Engine In-line 6-cyl, 2979cc, turbo Power 321bhp @ 5800-6000rpm
Torque 332lb ft @ 1300-4500rpm
Transmission Six-speed manual, rearwheel drive, Active Differential Brake
Front suspension MacPherson struts,

Front suspension MacPherson struts, coil springs, adaptive dampers (optional), anti-roll bar Rear suspension Multi-link, coil springs, adaptive dampers (optional), anti-roll bar Brakes Ventilated discs, 370mm front, 324mm rear, ABS, Brake Assist Wheels 7.5 x 18in front, 8 x 18in rear Tyres 225/40 ZR18 front, 245/35 ZR18 rear Weight 1455kg (claimed, 1541kg as tested) Power-to-weight 224bhp/ton 0-62mph 5.0sec (claimed) Top speed 155mph (limited) Basic price £34,250 On sale Now

eVo rating: ★★★★

Engine V8, 3999cc

CO2 290g/km Power 414bhp @ 8300rpm Torque 295lb ft @ 3900rpm Transmission Seven-speed DCT (optional), rear-wheel drive, M diff

Front suspension MacPherson struts. coil springs, adaptive dampers,

anti-roll bar

Rear suspension MacPherson struts, coil springs, adaptive dampers, anti-roll bar

Brakes Ventilated discs, 360mm front, 350mm rear, ABS

Wheels 9 x 19in front, 10 x 19in rear

Types 245/35 ZR19 front, 265/35 ZR19 rear

Wheels 9 x 19in front, 10 x 19in rear

Tyres 245/35 ZR19 front, 265/35 ZR19 rear

Weight 1580kg (claimed, 1654kg as tested)

Power-to-weight 266bhp/ton

0-62mph 4.8sec (claimed)

Top speed 155mph (limited)

Price new £54,720 (2013)

Value today £16,500-49,000

eVo rating: ★★★★









Left: Adam Oseika is joint-MD of the company that should gain control of the Nürburgring in 2015

the secret, it's still at once liberating and tight-knit.

Today the surroundings are more poignant than ever, because we've got an appointment with the new owners of the Ring. Better yet, we're not heading to a faceless office block but a race shop. A bigger, slicker race shop than you might find in one of the villages nearby, but a race shop nonetheless. The winning bid of around €100m (c£82m), including a pledge of €25m (c£20.5m) investment, came from a partnership between the Capricorn Group and GetSpeed, the latter a race team, race-prep and tuning outfit located on the Meuspath industrial estate, a stone's throw from the public entrance to the Nordschleife. Adam Osieka runs GetSpeed, races in the VLN series held on the circuit and has lived his life around the Nürburgring for over 20 years. He's also the joint-managing director of the newly formed Capricorn Nürburgring GmbH, which gains control of the circuit, and the hotels and leisure facility connected to it, on January 1, 2015.

Turning into the industrial estate, the thought that this place ever needed to be 'saved' seems laughable. Huge, pristine Aston Martin, Jaguar and Opel facilities sparkle in the sunshine, then there's Bilstein, KW, Continental, Manthey Racing, Hyundai... A camouflaged BMW M3 rumbles towards the circuit, closely tailed by a new X6M wearing the same zebra stripes. Later we'll watch everything from Mercedes GLs and S-class Coupes to M5s and snorting Camaros howl around the track as part of an intensive Industry Pool test session. The car industry has come to rely on this place for development and marketing and there was no way it would have let it slip into the abyss.

Nevertheless, the handling of this prize jewel has been criminally bad since a huge redevelopment project began in 2007. Vast hotel complexes sprung up around the circuit; a towering new indoor boulevard was built that was set to be bursting with shops, exhibits and car dealerships; the world's fastest rollercoaster was to hurl millions of happy tourists along the pit straight of the GP track while restaurants and museums emptied the wallets of their thousands of friends. It was a plan built on sand and wildly overstated visitor numbers, and in the end it was funded by the local Rhineland-Palatinate government to the tune of around €300m (c£246m). The people never came and the rollercoaster, which has never been operational, has become a ridiculous monument to an incredible folly.

The locals, understandably, were up in arms. Their taxes had effectively been used to create competition for their own businesses. When, in March 2010, the local government then leased control of the circuit for 30 years to Kai Richter and Jörg Lindner – two of the private investors behind the original failed initiative - things looked to be spinning further out of control.

To add further insult to injury, a loan of €254m (c£210m) was provided by local government in 2012 to help the Nürburgring service its debt. An EU Commission investigated and deemed that the project had received over €500m (c£412m) of 'illegal state aid'. Capricorn's bid is dependent on the EU Commission effectively wiping out the millstone of debt that has hung around the neck of the circuit, which should give this amazing place a fresh start.

ADAM OSIEKA IS A RACER. YOU CAN TELL

within seconds of meeting him. He darts around the workshop, directing the mechanics, fielding phone calls and obviously bursting with energy - despite the fact that he's barely slept for the past month. We sit down for a proper interview but Osieka is worried that his English might create the wrong impression on certain key points. We agree to conduct a formal interview via email. If he didn't seem so relaxed, I'd say he was paranoid about what I might write, but after years of negativity about the Ring's management, perhaps his caution is understandable.

What he is clear on is that the Ring is safe: 'We have the money with our partner Deutsche Bank and the track will continue to operate.' So the public 'Touristfahren' sessions will continue unchanged? 'Of course. It might be that a single lap costs more, but perhaps we can offset that for those who buy multiple-lap tickets.' The controversial Ringcard system will be scrapped. There are plans, however, to fit a camera system to the circuit that will increase safety and open up new possibilities. 'The technology is expensive - around €10m [c£8m] - but there is the chance to offer drivers footage of their car going around the track. Not a full lap, but some clips at certain corners.'

More surprising is Osieka's assertion that they will separate cars and motorcycles during these public sessions. From the outside looking in, this has always seemed like a no-brainer, but received wisdom is that the Ring's status as a one-way toll road necessitates it being open to all types of

'A SENSE OF PUTTING THE CUSTOMER FIRST IS SOMETHING OSIEKA REPEATEDLY COMES BACK TO'



vehicles, just like any other stretch of public tarmac. Osieka refutes that: 'We asked the EU and local government and there is no reason not to do it. Safety will benefit, there will be less track closures and I think it is better for everyone. Too often people come here on a Saturday and from 11 hours of track time they experience three or four. These are our customers and we must improve it for them.' Wisely, the rollercoaster will be broken up and shipped elsewhere.

This sense of putting the customer first is something Osieka repeatedly comes back to. He likens the current structure to a lazy old state - slow to react and arrogant. He mimes a walking stick and lurches forward, then raises his nose in the air to get his point across. However, he's not about to start discounting track time: 'Lots of people use this place but nobody pays the correct amount. We do not want to overcharge, but race organisers and the manufacturers need to pay a fair price to keep everything going.'

That last point is an interesting one, as the manufacturers are getting more and more nervous about the Industry Pool set-up. Effectively it runs as a co-op and the various manufacturers and suppliers share the cost and the risk. There are no marshals. A recent accident highlighted the risks involved in this, not least because any serious injuries or fatalities leave the whole group open to legal action. For

example, if an ESP engineer for an electronics company gets hurt, the family could in theory then go after BMW, Mercedes, Porsche, Bilstein, Kia... It's a huge can of worms. So they will undoubtedly be open to paying more for their time on the track, but in return they might want Capricorn Nürburgring GmbH to take the risk and to have some form of marshalling system – be that electronic via a massively expensive camera system, or with feet on the ground. This is all still to be negotiated and it's clear that the next six months or so will be intense for the new owners.

The Capricorn Group has bases in France, Italy, the USA, Basingstoke and here on the Meuspath industry park, right opposite GetSpeed. The basis of its business is building engine internals for motorsport, niche and prototype vehicles (cylinder liners for F1, forged pistons, gearbox internals, etc). However, at Meuspath it has an immaculate carbonfibre facility. After the smells of rubber and hot oil at GetSpeed, the quiet, surgically clean Capricorn operation is a marked contrast. It's building everything from Porsche 919 Hybrid tubs and bodywork to Audi RS5 rear spoilers here, and the quality of work is stunning. Seeing this Capricorn set-up – relatively small though it is – certainly adds a professionalism into the new owner's DNA, which already has plenty of passion and local knowledge from the GetSpeed side. Capricorn's relationships with the big marques will also be crucial to the Ring's ongoing success.

So, can we conclude that the Ring has truly been saved? Well, there's energy about the new group and there's no question that it holds the tradition of this place as dearly as anyone. However, there remain unanswered questions. Can Capricorn attract F1 back to the GP circuit? Does the GP layout still conform to F1 standards? Does Capricorn have the money to address the Industry Pool concerns?

The winning bid outlines a schedule of three €5m (c£4.1m) payments over the final three quarters of 2014 (the first was on March 31) and a large payment of €45m (c£37m) on January 1, 2015, then a further €11m (c£9m) over the next four years and a €25m (c£20.5m) investment commitment on top. There is a loan facility of €70m (c£58m) in place from Deutsche Bank to cover much of this, which we assume will be dependent on the EU Commission wiping the existing debt, but the investment must come from Capricorn Nürburgring's own coffers. It's a massive undertaking and there will be bumps along the way, but let's hope the place has finally turned the corner. Flat in fifth, obviously.

DMS and GetSpeed team up

UK tuner DMS is joining forces with GetSpeed to open a development centre at the Nürburgring, initially within GetSpeed's workshop (the four-wheel-drive rolling road will be operational by May 1) but hopefully by the summer in a new building going up on the adjacent land.

Over the years we've tried lots of DMS-tuned machines and they've always been beautifully resolved and offered big performance gains access to the Ring as a partner to GetSpeed will give unique durability and high-speed testing opportunities.

Rob Young of DMS is at GetSpeed finalising details when we visit. 'It's an incredible opportunity,' he explains, 'More and more cars are turbocharged due to emissions regulations, and now, with access to the Ring and Adam Osieka's driving expertise, we can verify our results from the 4WD load-controlled dyno on the toughest circuit there is.'

Of course, road-testing things like oil, intake and exhaust temperature at three-figure speeds is impossible. 'You can do partthrottle road testing, and refine the feel and delivery, but to ensure our cars perform right at the limit too is massively important,' he adds. 'Now we can hit 180mph along the straight here, or see how the engine performs over long high-load stints. This will give us such a complete product. We already have a base in Singapore, so we perform proper hot-weather testing across the border in Malaysia, and now here... It's an exciting time.

Go to dmsautomotive.com for more info.

'THERE'S ENERGY ABOUT THE NEW GROUP AND IT CLEARLY HOLDS THE TRADITION OF THIS PLACE AS DEARLY AS ANYONE'





Opposite page: GetSpeed prepares cars to race the Nordschleife in VLN. Left: Capricorn's pristine factory makes various parts for race and road cars. Above: Capricorn's autoclave





Tesla's Model S impressed dynamically on our first drive last month, but there are still question marks over the electric supersaloon's practicality. How will it fare when we take one on a 300-mile, zero-emissions road trip through the wintry wonderland of Norway?

Right: sub-zero temperatures reduce the Model S's range. Below: Brekkeseter hotel is a sanctuary in the wilderness. Below right: Meaden stops for an expensive coffee

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THE TESLA MODEL S IS A car defined by contradictions. Who could have imagined the world's most advanced, ambitious and accomplished

electric production car would

be born and built in a country addicted to oil and renowned for producing distinctly average automobiles? Likewise, a car that accelerates with the ferocity of a supersaloon shouldn't be able to do so in near-silence, nor should something that looks so conventional on the outside conceal such an avant-garde interior. However, Tesla's neatest trick is building a car that burns not a drop of the hard stuff, yet intrigues and appeals to us petrolheads.

Norway is a country that has empathy for contradiction. Cold and craggy yet populated by warm-hearted, softly spoken people, the nation's vast mineral wealth (largely from oil and natural gas extraction) belies a deep-rooted respect for the natural world, and an unflinching commitment to powering the country via renewable energy alone. With electric vehicles exempt from the punitive import duty applied to all new cars, Norwegians find themselves in the enviable position of being able to buy what is to UK buyers a £70k Model S Performance for roughly the price of an up-spec VW Golf.

Combine the Norwegians' love of nature with the too-good-to-be-true satisfaction of buying twice the car for half the money, and you begin to understand why Norway, of all places, has become Tesla's fastest-growing market outside the United States. When you factor in the recently commissioned network of Tesla's own 'Supercharger' stations, at which Tesla owners can recharge their cars for free, for life, the decision seems like a no-brainer. With the imminent arrival of right-hand-drive Model Ss in the UK, and with it the first Superchargers along the UK's main routes, there's never been a more timely moment to experience Tesla motoring as CEO Elon Musk intended: a proper car, taken on a proper road trip and relying on a proper means of recharging en route.

All of which leads us to the Tesla Store in Trondheim, where we're due to collect a Model S (in **evo**-friendly Performance Plus spec, naturally) for a two-day journey of discovery to Oslo. As their name suggests, Tesla Stores are part car showroom, part Apple Store. There's a





'THERE'S NEVER
BEEN A MORE
TIMELY MOMENT
TO EXPERIENCE
TESLA MOTORING'





youthful, laid-back vibe, plenty of engineering cutaways to poke around, and friendly staff who are genuinely enthused about the brand and the product. Business is already so brisk in Trondheim that Tesla has secured new premises with more space and a central location. The approaching launch of the all-wheel-drive Model X SUV has seen a spike in interest; no surprise given it's greater suitability for extreme Norwegian winters than the rear-drive Model S. Still, with studded Nokian Hakkapeliitta tyres, we're assured our car will cope with anything the trip can throw at us.

When you've been around as long as I have, it isn't often you embark on a road trip of firsts. This is one such rare occasion, being the first time I've driven in Norway, the first time I've taken an electric car on a long journey and – should all go to plan – the first trip over 300 miles I've ever made that will cost nothing in fuel. It's also fair to say I'm excited and a little apprehensive about taking an electric car through some beautiful but remote and inhospitable terrain.

By contrast, the Model S really doesn't seem bothered by our impending adventure. Quietly proffering us its powered door handles in handshake as we approach, a press of the key fob raises its tailgate in salutation. The rear luggage area swallows our assortment of camera equipment and overnight bags with plenty of room to spare, but should we have filled this cavernous space there's another large luggage area up front where you'd ordinarily find a big internal combustion engine.

Once inside, it's a bit strange to find everything primed and ready to go without the need to turn a key or press a button. The huge 17in tablet-style screen makes for a jaw-dropping centrepiece, while the instrument display behind the steering wheel is equally impressive and informative. It's all very futuristic, but also inviting and intuitive to use. Just as well, for all but the most rudimentary vehicle functions rely on you navigating a succession of displays and menus. Speed and dexterity come with repeated use, but if you feel more at home with buttons and rotary switches, the Model S will be a culture shock.

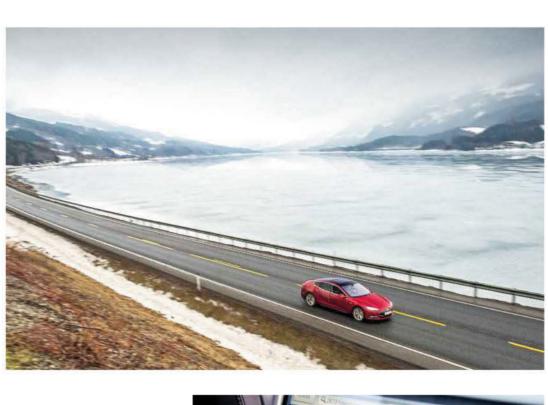
YOUR FIRST FEW MILES IN A MODEL S

are both wondrous and mildly disconcerting. Having depressed the footbrake and pulled down on the gear selector to engage D, the car makes a few distant clicks and whirrs. Then, when you release the brakes, it creeps like a

conventional auto. You can disable the creep function if you wish, but I'm not sure why you would. The throttle feels a little dead, so you might find you give it a bit too much gas – sorry – too many kilowatts when pulling away, but you soon learn to *squeeze* with your initial accelerator input rather than stomp on it.

Zipping through Trondheim's morning traffic is easy, not least because in Performance trim the Model S has 442lb ft of instant torque to punch you away from lights and into gaps. It's a big car (5m long), but this responsiveness shrinks it a little, so you're able to build confidence quickly. Like the switchable 'creep', you can also adjust the weight of the steering and the intensity of the regenerative braking. With regen on you rarely need to touch the brake pedal (this becomes more useful at speed, more of which later), but Tesla acknowledged feedback from owners who said they didn't like the braking effect and so offered the facility to switch it off via a software update. I suspect most will switch it back on again with time, as it's something you adapt to, and it also harvests free energy, which is always worth having.

As we slip out of Trondheim, we're soon swallowed by Norway's magnificent wilderness. Our route follows the main E6



Above: rural Norway offers stunning scenery and quiet roads. Right: satnav directs the Sto Supercharger points. Below: range is shown in real-time as car is charged. Below right: Lillehammer's Olympic ski jump. Bottom left: plugged in at a Supercharger













Euroroute (mostly two-lane, not motorway), which in turn follows the course of the Gaula and Sogna rivers that tumble through the rocky gorges and valleys. The road has an easy, seductive rhythm with enough swoops and sweeps to break the miles up a little, but not enough to interrupt our flow. Below us, the rivers' icy waters are trapped in their seasonal stasis, draped over the scattering of boulders beneath like a soft, translucent sheet. At the sides of the road, cascades of icicles entomb the cliffs. It's a truly magical sight.

Norway is fond of speed limits, which is a shame given the Model S's abundant pace, but the upside is that even on this major route traffic is relatively sparse. Consequently, we can sit at a steady cruise while the spectacular scenery scrolls by. When we do encounter slower traffic, it's dispatched with a solid, imperious slug of acceleration, and an increasingly urgent whine from the 416bhp electric motor. This is proper performance where it counts most.

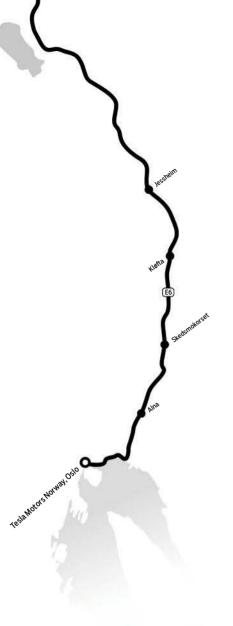
More often than not the approaching curves require only a lift of the throttle as the drag of the regen phase absorbs just enough momentum for you to turn in without touching the brake pedal, though when you do, the stoppers are smooth, progressive and powerful. The steering feels a bit numb in whichever mode you select. The only thing that changes noticeably is the effort required to turn the wheel, but it has a consistent rate of response so you can place the Tesla accurately at speed. Most cars in the Model S's class have rather aloof steering, so it's not a major issue, but a little more life and feedback wouldn't go amiss.

On these smooth, flowing roads the damping – uprated with the upgrade to Performance Plus – feels controlled, with a flat, steadfast stance and stability that comes from a long wheelbase and a generous rubber footprint (albeit with studs!). It does an admirable job of containing the vertical movements of the Model S's lowslung mass, but if there's a flaw it's that the

damping is a little muscle-bound and ultimately feels a bit short of wheel travel. A fraction more pliancy and depth would work wonders.

It's not long before Dean Smith's shutter finger begins to itch, so he uses the touchscreen to zoom in and scour the satellite image for suitably photogenic detours. He finds one that zigzags its way up one of the countless mountains that line the road. Thus far our route has been clear of snow, but as we begin to climb, the Nokian studs soon go silent as they bite into snow and ice. As the snow deepens and we leave the tree-line behind, our ears pop with the altitude. Still climbing, we round another hairpin to find ourselves on a plateau amongst parked quarry trucks and excavators. We stop long enough for Smith to jump out and capture the stunning view back along the valley.

The whole experience is made more surreal by still having enough 3G signal to be streaming music through the Model S's sensational hi-fi. Some have criticised Tesla for making



a car that's reliant upon 3G to provide maps, navigation, music, etc, but if you engineered a 21st-century car for the UK's appalling 20thcentury mobile internet coverage you'd still build it with map pockets and a cassette deck.

Our final destination is Oslo, but aside from our overnight halt in the wilds of Høvringen on the fringes of the Rondane National Park. we have two critical waypoints: the Dombås and Lillehammer Supercharger stations. With frugal driving and free from the distractions of a magazine photoshoot, we'd stand a good chance of completing the 310 miles without stopping, but photography places unique demands on any drive, the repeated 'ups and passes' requiring far more energy (of any kind) than a steady cruise. Besides, this isn't a hypermiling challenge and yielding to the temptation of dipping into the Model S's prodigious performance is all part of the test.

Thanks to our spirited mountain ascent, we've used roughly half our range by the time we reach the Dombås Supercharger station. With approximately 25 miles between it and our overnight stop at Høvringen, another 20 miles or so of photography driving once we get there, a night parked outside in sub-zero temperatures and a further 100 miles the following morning to reach Lillehammer, it's important we get a full charge. From prior experience of the evo office's regular 32-amp charger I know how long it can take to get a meaningful uplift in range (like all day), but the rate the Supercharger 'brims' the Model S (around 260 miles of range per hour according to the in-car display) is fantastic. By the time

Smith and I have wandered off in search of a hot drink, returned to the car and drunk it, the batteries are full. And for free.

The final ten miles to Høvringen are a real hairpinfest; snowy switchbacks snaking their way up onto an exposed plateau. The child in me wishes it was possible to completely disable the stability control, or at least relax it, for the Tesla could be a gifted drifter. As it stands, the stability system lacks the quick wits and fine control of those of the best European reardrivers and you can't totally disable it.

Before my over-exuberance parks us in a snow bank, the soft glow of the Brekkeseter hotel's lights provide a welcome beacon in the darkness. As we park outside, the smell of wood fires and the promise of home-cooked food are the perfect incentive to swap the comfort of the Tesla's hi-tech cockpit for the timeless pleasures of a warm welcome and a cold beer. Proprietors Bjørn and Kari Setsaas are curious about the Tesla, not to say a little surprised that we negotiated the steep and slippery incline up the driveway. They currently own a pair of Audis, one being an A6 Allroad. Both express admiration for Tesla and a genuine desire to own a Model X because of its environmental credentials and because it's different.

WE LEAVE EARLY THE NEXT MORNING,

driving between snow banks as deep as a man is tall, before slowly working our way back down to the main road and a decent run to our rendezvous with the Lillehammer Supercharger. Once again the Model S provides the perfect sanctuary, effortlessly





Left: most of the car's functions are operated via the 17in touchscreen. Above: journey's end is the Oslo headquarters of Tesla Motors Norway

devouring the miles in a manner that perfectly complements the tranquility of the scenery.

You soon get used to the fact that everything in Norway is fiercely expensive, but still it's slightly strange to sit inside a restaurant drinking cappuccinos that each cost more than a gallon of super-unleaded, while outside the Model S sits quietly charging for free. It goes without saying that the Tesla takes longer to recharge than a petrol or diesel car takes to refill. But there's a compelling argument which says you're effectively being paid £100 per hour, tax-free, whenever you're hooked up to a Supercharger. Such is the convention-challenging paradox of Tesla motoring.

Beyond Lillehammer, we're treated to more majestic lakeside views before the wilderness eventually cedes to increasing urbanisation as we approach Tesla Motors Norway's HQ in Oslo. It's been a memorable journey for all kinds of reasons. Norway is a fabulous place, but the Tesla has also played a central role. As a driving experience the Model S pretty much sells itself. Incredibly relaxing yet blessed with tremendous reserves of seductive performance in the meaningful sector of the speedo needle's arc, it combines the haymaker punch of a supersaloon with an ability to soothe and destress that surpasses all but the most luxurious Range Rover or Bentley. The styling sells the brand a little short (especially at the UK price point) and the seats and interior trim would also benefit from an uplift in look and feel, but you wouldn't bet against Tesla successfully stepping up to the European plate, not least because it sets the standard in so many other areas.

With the Model S's comfortable 250-mile real-world range, most of us could complete our daily return commute without the need to recharge or the fear of range anxiety. Still, there are undeniable compromises. Superchargers are brilliant for rapid top-ups, or full charges when you stop for a bite to eat on longer motorway journeys, but there aren't many of them, which leaves you at the mercy of sluggish municipal charge points on those occasions you head away from the main arterial routes. Once you've experienced the painless Supercharger experience you're loath to do that. This residual lack of ultimate go-anywhere, refuel-anywhere freedom provides naysayers with a few rounds of live ammunition with which to shoot at electric cars. Even ones as good as the Model S. If only the rest of the world operated with the logic, efficiency and joined-up thinking as those bits built by Elon Musk...

Sadly for the Model S, such is the lot of a pioneering product, but Tesla is clearly doing as much as it possibly can to address infrastructural shortcomings in its key markets until the rest of the world catches up. Our journey through Norway has proved how effortless electric motoring can be when there's a state-of-the-art charging network to rely upon, and the Model S has demonstrated it can match and in some ways exceed the driving experience of an internal combustion vehicle. Crucially, where electric cars were once too compromised to consider seriously, the Model S raises its game to a level that's impossible to ignore. Spend quality time with one and you might even find it impossible to resist.

Specification

TESLAMODEL S PERFORMANCE PLUS

Engine 310kW electric motor CO2 0g/km Power 416bhp Torque 442lb ft @ 0-5300rpm Transmission Single gear, rear-wheel drive Front suspension Double wishbones, coil springs, dampers, anti-roll bar Rear suspension Multi-link, coil springs. dampers, anti-roll bar Brakes Ventilated discs. 355mm front. 365mm rear, ABS Wheels 8.5 x 21in front and rear Tyres 245/35 ZR21 front, 265/35 ZR21 rear Weight 2100kg Power-to-weight 201bhp/ton **0-60mph** 4.2sec (claimed) Top speed 130mph (claimed) Basic price £83,480 On sale Now

evo rating: ***



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From F-type to R8, evo's Fast Fleet is the biggest and most comprehensive long-term section in the business. This month...

AUDI R8 V10 PLUS by Richard Meaden

Contributing editor NEW



Meaden expedites the runningin of his new long-termer with a tour of European racetracks on the drive back from the factory



MAZDA MX-5 by Peter Tomalin

Contributor

Tomalin gets puzzled looks at his local garage as the MX-5 returns for another round of suspension work.



VW GOLF GTI by Mike Duff

Motoring editor

With our GTI unwell, Duff takes the opportunity to try another, with less power and a different gearbox option.



RENAULT CLIO TURBO by Dan Prosser

Road tester

The R8 is occupying Meaden's attention, so our new road tester has grabbed the keycard to the turbocharged RS.



McLAREN 12C by SSO

Contributor



Another new mid-engined long-termer gets collected in Germany, and heads straight off on a 600-mile road-trip.



MERCEDES 190E 2.5-16 by Mike Duff

Motoring editor

The recently fettled classic Merc returns to the scene of previous disappointment – the Bedford Autodrome



BMW M6 GC by Nick Trott

Editor

The Gran Coupe's penchant for oil continues anace while its engine bay has acquired a new resident.



PORSCHE 911 SC by Nick Trott

Editor

Trott's Porsche emerges from its winter hibernation and gets a shiny new look courtesy of the full Tipper treatment.



JAGUAR F-TYPE V6 S by Jethro Bovingdon

Contributing editor

Turns out there are quite a few F-types out there – Jethro knows, because their owners have been in touch.



FORD FOCUS ST by Dean Smith

Staff photographer

If you spot a man leaning into the back of a white Focus ST Estate, sweating and swearing, that'll be our Dean Smith.



PEUGEOT 208 GTI by Sam Riley

Film-maker

Riley's been enjoying driving his 208 somewhere unlikely -Milton Keynes



TOYOTA GT86 by Henry Catchpole

Features editor

Henry's been enjoying driving his GT86 somewhere unlikely Milton Keynes.



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Coming soon: SEAT Leon Cupra 280, Vauxhall Corsa VXR Clubsport, BMW M235i







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Above (from left): 542bhp V10; it had to be a manual; flying visit to Zolder. Below (from left): R8 stopped at the Jim Clark memorial at Hockenheim, plus the Nürburgring and Spa







affirmative, and I'd be able to spec the car on the configurator. The downside to this was a nine-month wait from initial email to build slot, but the upside was ordering it in precisely the spec I wanted...

It's pretty simple to spec a V10 Plus, for much of the equipment is standard. That includes the lovely carbonfibre splitter, mirrors, side blades, diffuser and engine bay trim, plus the matching interior elements. I considered an Audi Exclusive paint colour, but didn't want to prolong the build process any longer than I had to. I then toved with Phantom Black and graphite wheels, but in the end went for Daytona Grey with silver rims. That may sound dull, but I think it looks fabulous: impactful but nicely understated. The only options I went for were the Bang & Olufsen hi-fi upgrade, Audi Exclusive sports seats in black nappa leather,

Bluetooth connectivity and a reversing camera. One option I didn't go for was the excellent seven-speed S-tronic paddleshift 'box, preferring instead to stick to my principles and go with the standard six-speed manual. All of this resulted in an on-the-road price of £130,144. Like I said, a juicy cherry.

After a long winter's wait, the call finally came notifying me that the car would be built in February and ready for delivery in early March. It was at this stage I was glad I had requested a customer collection, for although it costs an extra £500 it means you get your hands on your car the moment it's ready. It also means a trip to Audi's vast Neckarsulm plant and a great drive home. Stretching a mile and a half from end to end, the Neckarsulm site is where many of Audi's more mainstream cars are built, but it's

also home to the more specialised A8 and R8 production areas and the top-secret development department where the powertrains for Audi's all-conquering LMP1 racers are designed and built.

Upon arrival, photographer Dean Smith and I are assigned a host to take us on our VIP tour of the R8 build area (a totally fascinating place that reveals the extraordinary level of hand-craftsmanship that goes into every car), after which we're ushered to a very tasty threecourse lunch before completing a fine experience with the handover itself. Our man, André Lugert, is the consummate pro and a veteran of countless handover ceremonies. yet it's obvious the departure of every R8 is a special occasion. I'm half-expecting an awkward moment when I look into the cockpit to find the classic open-gate manual

gearlever absent, omitted in 'some terrible mistake' in the order process, but much to my relief, a knurled alloy lever is sprouting from the transmission tunnel. Good lads.

It's a happy geographical twist of fate that the route back from Neckarsulm to Calais can take you via Hockenheim, the Nürburgring, Spa and Zolder with minimal deviation from the quickest route. So in what feels like one of those 'If Carlsberg did...' adverts, Dean and I nose out into the late afternoon traffic and head for an appointment with several celebratory Bitburgers, a steak-on-a-stone supper at the Pistenklause and a good night's sleep in Nürburg's Hotel am Tiergarten. But not before stopping at Hockenheim, for no other reason than the fact that even dormant racetracks are cool places to hang out. We also stop and pay our





Above: 150mph on the Autobahn – not that Meaden was looking at the speedo...

'A de-restricted Autobahn certainly makes running-in more fun than I remember' respects to Jim Clark at the location of his fatal crash on the fearsome old circuit in 1968. It's a tranquil spot and a poignant reminder of how cruel our sport can be.

Back on the move, I'm at pains to follow the strict running-in instructions to the letter, so with Lugert's words still ringing in my ears I do my best not to exceed 6000rpm. In sixth gear. I'm a bit busy looking out of the windscreen to jot down what this equates to in mph, but Dean got the money shot for me (see left). A de-restricted Autobahn certainly makes running-in more fun than I remember.

The next day dawns in classic Eifel fashion, but the wintry weather can't take the shine off another great day's driving. First we take on the roads that criss-cross the countryside surrounding the Ring, where I diligently check the ESP button is fully functional. Then it's a cross-country dash to Spa for a lap of the jaw-dropping old GP circuit and a compulsory visit to the Masta Friterie for a portion of chips and a moment to reflect on how Porsche 917s used to come by here flat-out, having skittered through the Masta Kink without a lift.

It doesn't take long to get from Spa to Zolder. Tucked amongst pine trees on the edge of the motorway, Zolder is a challenging, old-school and slightly scruffy circuit. Like Hockenheim, the Ring and Spa, there's nothing to see on track. Unfortunately we can't find the memorial to Gilles Villeneuve either, but in the process of googling for any info on its whereabouts I find some classic shots of the French-Canadian holding his Ferrari F1 car at an absurd slip angle. These seem a far more appropriate way

of remembering him, so Smith and I leave Zolder and return to Blighty.

Some weeks later and with more than 2000 miles already under its wheels, the R8 is well run-in and so far exceeding my expectations. Sadly it's also now wearing British registration plates instead of the temporary German import items it's allowed to wear for a maximum of 14 days post-delivery. It's far too soon to be thinking about the day Audi will come to collect it, but I already know that when the moment arrives they'll have to prise the key from my cold, dead hand with a crowbar.

Richard Meaden

(@DickieMeaden)

Date acquired	March 2014
Total mileage	2115
Mileage this month	2044
Costs this month	£0
mpg this month	18.8







Left: back in the workshop, this time to have Bilstein dampers (above) fitted. **Below:** Bilsteins work well with Eibach springs previously installed. **Bottom:** yellow Bilsteins just visible





STEVE AND PETE at my local garage thought I was mad – and it was hard to disagree. A couple of months earlier they'd fitted a set of Eibach springs to the MX-5. Four hours' labour at £40 an hour plus VAT. And now here I was again with a set of Bilstein dampers. Not that they were complaining, but why on earth hadn't I had the springs and dampers fitted at the same time?

Good question. I'd reckoned it would be useful to gauge the effects of the shorter, stiffer Eibach Pro-Kit springs in isolation. And to a certain extent, it was. They'd lowered the comically tall ride height as I'd wanted, and although I now had to be slightly warier of speed bumps, the ride was pleasingly beefy without being crashingly stiff.

However, at speed over humps

'Where the MX-5 was slightly loose and sproingy before, it's now muscular and tightly controlled'

and through compressions it had become noticeably jouncy. The problem, of course, was that the original dampers were some way past their best. In the meantime the excellent chaps at Bilstein had offered me a set of B8 dampers, but even then I hesitated. Would the B8s make the ride even firmer and make the MX-5 marginal for everyday road driving? After much dithering I bit the bullet, forked out another £170 in labour charges, and on went the B8s.

What I've effectively had fitted is the Bilstein B12 Pro-Kit, which comprises the fixed-rate B8s and matched Eibach Pro-Kit springs, and retails for around £640. You can add around £150-200 to that for fitting,

provided you do the whole job in one go and not in instalments...

The benefits of having springs and dampers that were designed and developed to work together are immediately – and unsurprisingly - apparent. Where the MX-5 was slightly loose and sproingy before, it's now muscular and tightly controlled. Turn-in is sharper; humps and compressions no longer catch it out. Yes, it's firmer than standard, but not jarringly so, and if there's the occasional judder over potholes, that simply points to a need for extra bracing in the bodyshell and floorpan (something else for the to-do list). Meanwhile the enhanced feeling of connection through the seat

encourages you to revel in the MX-5's inherent balance and chuckability.

It's at speed where the Bilstein/ Eibach set-up excels. The faster you go, the more impressive the control. Dickie Meaden took the MX-5 for a spin around the local lanes while I gripped the edges of the passenger seat, and after driving at speeds and angles that surprised car and owner, he declared it 'a really sweet little thing'. That's good enough for me.

Peter Tomalin

Date acquired	April 2012
Total mileage	116,573
Mileage this month	490
Costs this month	see text
mpg this month	31.9

VolkswagenGolf GTI

With our Golf in for repair, Duff tries a different one with a DSG gearbox

OUR GTI CAME back from last month's hot hatch spectacular with its dashboard aglow with warning lights. It was still driveable, but it had apparently lost its adaptive cruise control, electric parking brake and variable dampers, so it was obvious something had gone seriously wrong. Strangely, nobody admitted to having been driving it when it lit up like a winning slot machine. Anyway, as a very early UK car it's gone back to Volkswagen to get plugged into the diagnostic mothership.

The silver lining has been the chance to try another GTI, one without the Performance Pack but with the optional £1415 DSG gearbox, and on first impressions it's a surprisingly different car. Mostly this is down to the DSG. I know how easy it is to find yourself ticking the two-pedal option when you think about all those hours you'll spend sitting in traffic, but the GTI really is



better with the snick-shifting manual 'box. The twin-clutcher is smooth and swaps its gears pretty much seamlessly, but it definitely lacks the involvement and tactile pleasure you get from changing gears yourself.

Losing the Performance Pack's extra 10bhp doesn't have a noticeable effect on straight-line pace (the standard car shares the 258lb ft peak torque figure of the PP model). In fact the DSG's quicker responses mean it feels slightly quicker when called on for short-

notice overtaking, and it's fair to say the 217bhp GTI doesn't feel any slower in the real world than more powerful rivals like the Focus ST. Not having the PP's limited-slip diff does reduce front-end bite in longer corners, but you really have to press on to notice much of a difference.

The substitute car also lacks the adaptive dampers of our Fast Fleeter, and although the passive arrangement is considerably softer than the switchable system is in Sport mode, it's well suited to dealing with the vagaries of rougher British tarmac. Indeed, at risk of sounding like a Luddite, I'm starting to prefer a well-judged compromise set-up rather than having to fiddle between modes to suit differing conditions.

Mike Duff

Date acquired	January 2014
Total mileage	3998
Mileage this month	2200
Costs this month	£0
mpg this month	31.5

Renaultsport Clio 200 Turbo

Renaultsport Clio 200 Turbo

Our new road tester shares his thoughts on the paddleshift Clio

AS I AWAIT THE arrival of my own long-termer, I've been running the Clio that Dickie Meaden had been using until his R8 arrived. Much has already been said about the turbocharged 200, but one recent event seemed to sum up how we at **evo** feel about it. While we celebrated the best hot hatches ever over a week in north Wales last month – a test that included no fewer than three previous quick Clios – the new model

sat forlorn in the office car park.

In simple terms, the Clio 200 doesn't merit comparison with the very best hot hatches. For me, it isn't an issue of concept, but one of execution. Actually, the notion of a livewire front-driven hot hatch with a firecracker engine and a rapid-shifting twin-clutch gearbox is quite appealing in a full-commitment, Jean Ragnotti kind of way, but the 1.6-litre turbo engine isn't a firecracker and that twin-clutch gearbox isn't rapid-shifting.

So it doesn't feel much like a miniature tarmac rally car. The engine pulls quite hard, but it doesn't have an energetic top end that you feel any real urge to exploit. The paddleshift gearbox, meanwhile, has all the hardware to snap between gears like a junior GT-R, but the dramatic pause between



the right-hand paddle being flicked and torque eventually reconnecting simply drains all satisfaction away from the process. The gearbox does work better in Race mode, but you very quickly find yourself craving a proper manual.

The steering is another let-down for me, but look beyond that (and the frustrating drivetrain) and there's clearly a keen and agile chassis lurking beneath. It makes me think that the Clio could be vastly improved with a little fine-tuning of the engine and gearbox.

Before the Clio leaves us we have a particularly stern test lined up for it – one last chance for it to redeem itself. More next month.

Dan Prosser (@TheDanProsser)

Date acquired	August 2013
Total mileage	12,650
Mileage this month	1147
Costs this month	£0
mpg this month	30.2



NEW ARRIVAL

McLaren 12C Coupe

The Secret Supercar Owner gets his hard-top 12C and blasts it through Germany

Below: SSO chose LHD as this car will live on the Continent; optional carbon-ceramic brakes. Right: mirror casings are lacquered carbon





ANTICIPATION IS A wonderful thing. It reminds all of us that we were once eight years old. And the anticipation of collecting a 616bhp supercar is hard to top if you're a hardcore petrolhead. So, on the morning I was to pick up my 12C Coupe from McLaren Stuttgart, I got up far too early, made a cup of coffee and opened the curtains. Looking up, the sky was perfectly blue: great. But looking down, the ground was white: crap. Despite a weather forecast that suggested temperatures well above freezing, frost was everywhere.

The team at McLaren Stuttgart were terrific. I had travelled to Germany the night before so I could get an early start on the day, as I had a drive of over 600 miles ahead of me. We had agreed to meet early on a Saturday morning in order to get the local bureaucracy out of the way so I could leave ahead of any traffic.

But until the roads thawed, I wasn't going anywhere.

Several hours later, the tarmac had turned black again and the grass had changed from white to green, so off I finally went. The outside temperature was still in the midsingle digits, though, so Winter mode was activated and the right-hand pedal was approached as if it was made of eggshells. The decision to opt for ceramic brakes with this 12C didn't seem like the wisest of choices, either!

The plan was to drive west towards Luxembourg, then up past the Nürburgring before heading north and east via Cologne and Hanover to my destination nearby. Of the total distance, around 200 miles would be on A- and B-roads. with the rest on Autobahns.

Most of the driving to the Ring was on back-roads, and these were soaked by heavy rain. But despite the cold, wet surfaces, the 12C never put a foot wrong. With any new car, it takes me a while to bond and build up confidence, but with the Coupe that confidence built quickly. Smooth, measured inputs helped keep everything well under control and while progress was not rapid, it was consistent.

North of Cologne, my luck changed. The sun came out, the traffic lightened and the mercury moved upwards. From here to my final destination, it would be almost all Autobahn, and once the speed restrictions disappeared, it was over to the outside lane, traction control and gearbox mode in Track, rear wing activated, right foot down. Within seconds the first of the three digits on the metric speedometer was showing a '2', and with little traffic in front, I was able to hold this speed for about 15 minutes before running into a restricted zone again, where quickly having to drop down to 75mph demonstrated just how

'The acceleration and braking are pretty much unmatched, and are the best of any car I have owned'

good the big ceramic brakes are at rapidly slowing major progress. This pattern then repeated itself with each unrestricted section.

As I dug deeper into triple-digit territory, the fuel consumption went from a polite sipping to fraternitystyle guzzling, although the upside to this was the Coupe getting several very positive comments and multiple requests for pictures during the frequent fuel stops.

By the end of the trip, I came to the following conclusions: The 12C Coupe's acceleration and braking are pretty much unmatched, and

McLaren 12C Coupe Mercedes-Benz 190E 2.5-16





are certainly the best of any car I have owned to date. High-speed stability is brilliant, and the rear wing makes a big difference in both keeping the car firmly planted and in slowing things down when you hit the brakes. And even when pushing hard on sometimes less-than-smooth surfaces, the 12C never loses its composure.

On our first day together we drove through four seasons, covered a huge distance and consumed a vast number of hydrocarbons, and yet I didn't feel tired or beaten up. It's a great car and I'm very much looking forward to more long-distance runs in it.

Secret Supercar Owner (@SupercarOwner)

Date acquired	March 2014
Total mileage	4478
Mileage this month	901
Costs this month	£0
mpg this month	18.0



Mercedes-Benz 190E 2.5-16

Fresh from its upgrades, Duff has given his old Merc another chance to shine on track

SO AFTER LAST month's considerable investment, the 190E was supposedly fighting fit. But there was only one way to find out if it truly was – a trip to the Bedford Autodrome.

Previous visits to tracks with the 190E hadn't ended well. The first time it went to Bedford, its standard brakes disappeared after just three corners, while last year's trip to the Nürburgring blew up the self-levelling suspension. This principally led to the round of upgrades that have left the moths in my wallet blinking due to lack of cover.

My secret fear – which I can admit to now – was that the 2.5 would still feel out of its depth, despite the new tyres and suspension. It was one of the quickest saloons on the planet back in 1990, but these days there are mid-ranking diesels that can outrun it in a straight line. Is there any way something this old can ever feel on the pace?

My biggest concern had been with the new Eibach springs and Bilstein dampers. The ride height has dropped significantly, making me worry whether I'll ever be able to get a trolley jack under the car again. Despite that, the Merc remains impressively compliant on road, the new dampers keeping the body under tight control but still absorbing bumps well. But it felt like it would still be too soft for track use.

Not so. Bedford was sodden on the appointed day, limiting chassis loadings, but the 190E turned and changed direction with an intent it never possessed on its standard suspension, the whole car feeling sharper and more responsive. The new Dunlop Fast Response tyres coped well with the standing water, but conditions were still slippery enough to play with the car's handling balance. Despite the showboating clearly evident in the picture, the 190 isn't a natural

'It changed direction with an intent it never possessed on its standard suspension'

on-the-lockstops skid machine: the engine doesn't have the low-down torque to ride out high-speed drifting, and you have to be very quick with the low-geared steering if attempting big angles.

That doesn't matter, though. What's brilliant is how benign it is when it reaches its limits, flags up its intentions and transitions into gentle, easily collected oversteer that shows the limits have been reached and breached.

It isn't the fastest car I've driven at Bedford – in fact it's probably embarrassingly close to being the slowest – but it is one of the most fun. If you've got an old car itch, then I'd urge you to scratch it.

Mike Duff

May 2012
160,047
156
£0
15.6



Porsche 911 3.0 SC

A professional detailing transforms the SC's looks

SOME OFFICE WAGS have accused me of 'doing a Harry' this month. Why? I've had the SC detailed and they believe this will lead to a sale. There's no chance of that – not unless a tidy 996 GT3 RS (with blue stripes) comes along and I win the lottery.

Richard Tipper of Perfection
Valet (@perfectionvalet) carried
out the work, something he's been
badgering me about for ages. I was
sceptical about what the effect
might be, despite another Tipper
convert, Dickie Meaden, saying I'd
'be amazed by the results'. I was
also a little nervous of a professional
detailing because I bought the car
for its mechanical strength and not
its aesthetic perfection. That and
the fear of Tipper finding 15 different
911s underneath. And possibly a
VW Beetle

At 8.30am on a sunny spring day, Tipper began his Full Enhancement Detail, which cost £500 for the SC (although prices can vary depending on the work carried out and the treatments used). The SC went up on a jack to expose its arches and engine, and a degreaser was applied. I took the opportunity to take a deep breath and have a look underneath.

No Beetle under there. Phew.

Tipper used a gentle degreaser on the wheels, as original Fuchs items can be sensitive to some cleaners. He also noted that my wheels had never been repainted or restored, which is rare these days but did mean the original satin finish on the inner section would need careful cleaning so that the finish didn't buff out. A non-gloss enhancing polish was applied to the inners, and a gentle metal polish on the outers, and the wheels were done.

Next up was a clay bar treatment on the paint, which removes sap, carbon deposits and tar. It's very useful on 911s, where these 'fallouts' bake onto the paint, especially at the rear where the engine is. 'A clay bar is a safe way of removing anything protruding from the paint and making surfaces smooth,' explained Tipper. 'That then allows you to get maximum effect from polish.'

Nothing was spared in the valet. The leather of the seats has taken on a wonderful suppleness after Tipper used a cleaner to open the pores in the hide, then simply used a cloth to 'pull' the dirt out of the surface. The leather was then resealed and a cream applied to give a suppleness



Above: clay bar brightened paint. **Below:** wheels were gently degreased; sap-free rear



element to the proceedings – and again my inner cynic is having a freak-out – but it feels that a little

the car's beguiling character.

Am I going to sell it? Am I heck. **Nick Trott** (@evoNickTrott)

bit of TLC has revealed even more of

more akin to new seats. The glass, meanwhile, got a full polish and Tipper explained that I wouldn't need the wipers above 40mph. I didn't believe him. Then it rained on the way home. And he was right.

On that drive home, I'll admit to experiencing a deep sense of pride and satisfaction despite my early scepticism. My 911 has given me so much joy that it felt nice to 'give something back'. I appreciate that this introduces an anthropomorphic

Date acquiredMarch 2013Total mileage89,004Mileage this month396Costs this month£500mpg this monthn/a

■ **BMW** M6 Gran Coupe

BMW M6 Gran Coupe

Trott remains concerned at the GC's thirst for oil

I'VE POURED ANOTHER £18.99 litre of Castrol Edge oil into the M6 this month, making it four litres in six months and 7500 miles. BMW seems relaxed about this, but I'm nervous. There are no outward signs that the engine is poorly – its performance gets stronger every day – but that's £80 in oil now and it makes me wonder what's going on inside the V8.

Scouring M forums, I couldn't find a consistent pattern. Some have reported similar consumption to mine, while others reach 5000 miles on one top-up. If you've got an M5 or M6, I'm keen to hear from you. Email

me at nickt@evo.co.uk

In other news, it struck me the other day that I've never seen another M6 Gran Coupe on the road in the UK. Indeed, I've not seen another petrol GC on the roads: just a fistful of 640ds. That's brilliant if you desire exclusivity, but financially catastrophic if you've bought an M6 GC new. With one month left before my car goes back to BMW, I've been looking at used values, and those with a similar spec and new price are beginning to hover around £72,000. That's a massive £46k in depreciation in just one year and with no sign that prices are settling.



The latest M5 seems to be suffering the same fate, with the only recent M-car resisting the depreciation plunge being the wonderful 1M. Are dealers offering big discounts on new M5s and M6s, thus affecting residuals, or are customers just not interested in the new turbo M-cars? Again, email me with your thoughts.

Finally, a small rodent has apparently decided to make a home under the M6's bonnet. Discovered

Left: the M6's engine bay has made an unlikely abode for a rodent

during the oil top-up, I first spotted what looked like a nice collection of mixed nuts stored in the top of the suspension turret, then noticed a nibbled area of soundproofing material. On the plus side, the rodent's removal of weight from a key area has significantly improved the M6's turn-in and agility (although I am writing this on April 1st...).

Date acquired	September 2013
Total mileage	7566
Mileage this month	315
Costs this month	£18.99
mpg this month	20.1

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Jaguar F-type V6 S

It's glowing reports all round from F-type-owning evo readers, while Bovingdon needs some new rear tyres

A COUPLE OF months ago. I mentioned that the F-type is still a rare sight on UK roads. Since then I've only seen three more in the wild. But it seems they are being bought and enjoyed, and by evo readers, too. Paul Burton traded in his 997 for a V8 S, rather than an Aston V8 Vantage or a 991. The reason? 'It put a grin on my face like you wouldn't believe.'

A friend of his has since got out of a Vantage and into an F-type, too. Del R has the twin to my car - a Salsa Red V6 S on black alloys to go alongside his Mini Cooper S. Del says the V6 S 'puts a permanent smile on my face'. Are you spotting a trend?

It's fair to say that the F-type is a feel-good car. The crackly exhaust might seem a bit contrived but it's wickedly naughty and appeals to the teenager in all of us, while the air vents that rise from the dash are silly but sort of cool, too. Porsche would never do something like that, which I guess is the point. That the V6 S backs up the knowing frivolity of

some of its design touches with real substance helps, of course.

As the miles rack up, this car continues to impress more than frustrate. The ride is pretty jagged at low speeds and the ultimate body control just isn't in the same league as, say, a Boxster S's. It doesn't have the absolute precision and focus. nor is the 3-litre supercharged V6 as sweet-revving (masked to some extent by the howling exhaust) as the Porsche flat-six. But it keeps on putting a smile on my face, too - so much so that the rear tyres are on their wear markers after 7000 miles.

I think this could be a recurring theme. If you own an F-type, get in touch. Maybe we could organise a group discount on rear tyres...

Jethro Bovingdon (@JethroBovingdon)

Date acquired	September 2013
Total mileage	12,054
Mileage this month	1419
Costs this month	£0
mpg this month	25.3





Ford Focus ST Estate

Ford Focus ST Estate

Snapper Smith's patience is being sorely tested by the simple matter of removing a luggage cover



ON THE BACK of the drier weather we've had in the East Midlands of late.

I'm pleased to report that the ST's keenness to spin its wheels at the faintest whiff of boost has been reduced tenfold.

In less positive news, I've noticed the offside mirror glass has a few rust spots, which I presume must be flecks of hot metal that landed on it whilst the car was in the body shop being repaired - not a disaster, but it will need sorting at some point.

Meanwhile, I'm going to need a trip to an anger management clinic soon due to repeatedly removing and refitting the ST's retractable luggage cover. Never have the workings of such a mundane item caused me so much pain and rage.

It seems simple at first – just push the sliders on the telescopic cassette towards each other and

then move one end up and out of the fixture. Sounds easy, doesn't it?

Well, it's bloody hard, as you have to be built like Schwarzenegger, with extendable arms like Inspector Gadget and a gymnast's flexibility. It's almost as if no one from Ford actually tried to remove the thing when designing and testing the car, so genuinely tricky is it to extract (or refit, which is even harder).

I had thought of leaving it at home, but it's handy to conceal anything I leave in the boot from prying eyes and so I have to remove and refit it almost daily. It's put me close to a nervous breakdown. **Dean Smith** (@evoDeanSmith)

Date acquired	August 2013
Total mileage	16,991
Mileage this month	1391
Costs this month	£0
mpg this month	26.9





Peugeot 208 GTI

Riley finds his motoring nirvana in Milton Keynes...

IT DIDN'T LOOK as if this month was going to give me much to report about my 208 GTI, but I'm happy to say that events ensured otherwise.

It was a month where several trips abroad to various video shoots meant lots of shuttling along the M1 and M25 to Heathrow and back. That's boring, monotonous and thrill-free no matter what car you're in, and when you're in a hot hatch with proper sporting credentials, you can add a relative lack of comfort compared to supersaloon cruisers to that list of grievances.

After a fair old while of doing nothing more than this dirge in the 208, I started to forget why the GTI badge on its tailgate was there and just what the car was capable of. Then, by sheer chance, an opportunity presented itself. I'd given a friend of mine a lift one night, and on my route home I had to cross from one side of Milton Keynes to the other. Doesn't sound great, right?

Wrong. With MK's 'grid' road system practically deserted, I was able to stretch the 208's legs and get myself into a rhythm. I fired myself between the many roundabouts with a focused, almost mesmerised precision: build up speed, brake for roundabout, flick left-right-left around it, build up the speed again and repeat pretty much as many times as you like. And with all the roads subject to nothing less than the national speed limit, I was able to make good, safe, legal progress through the amply street-lit evening.

That all-round examination of what the 208 can do was a timely reminder of its abilities. Its 197bhp was the perfect amount of grunt for such short, sharp bursts, its brakes inspired confidence and its nimbleness and agility helped it negotiate each roundabout with gusto. When I returned to the office, I shared the experience with evo sub editor and MK native Dan McCalla, who fully agreed that the town's roads, when quiet, provide a superb legal motoring high.

Who'd have thought a night in Milton Keynes could be such fun? ■ Sam Riley (@samgriley)

Date acquired	September 2013
Total mileage	17,287
Mileage this month	1393
Costs this month	£0
mng this month	37.2

Toyota GT86

...just as Catchpole discovers similar roundabout joys

I STAYED WITH a lovely family in France while on a job a few weeks ago. On the Saturday they cooked a delicious meal and opened an equally wonderful bottle of red wine (which no doubt cost a fraction of what it would in the UK). Both the photographer (who was Spanish) and I commented on how jolly nice the wine was and a surprisingly in-depth conversation with the family then ensued about various grape varieties, regions and even specific vineyards. It was fascinating and I played no part in the discussion whatsoever, instead just listening in slight awe at the amount of knowledge they had on the subject.

Which brings me in a roundabout sort of way to the subject of roundabouts. You see, although I don't know much about wine, living near Milton Keynes and driving the GT86 has made me into something of a roundabout connoisseur (after this month in his 208 it sounds like Sam Riley will soon be one, too). In the same way that other people appreciate the exceptionality of a 2005 red Burgundy (I looked that up), I happen to enjoy the particularly fine seam of rond-points the A509 has to offer. As

a starter you're looking for good sightlines, a pleasant radius and a surface consistent in its grip (or lack thereof). Blend these together in varying quantities, throw in the odd undulation, camber or surface soaking and voila: myriad islands of handling joy to be explored.

In some ways, the GT86 actually needs the openness of an empty early morning roundabout for you to really enjoy the chassis. There simply isn't the power from the flat-four to adopt a 'slow-in, fastout' method and just poke the car sideways with the throttle on the exit of a corner (which is the only safe option when your view through a corner is blocked by hedges or trees). Instead, you have to carry speed in; get the front end slipping a bit as you turn in and you can then balance the car on the throttle easily and enjoyably. A good, wellsighted roundabout allows you to do this, and at what frequently feels like just the right speed, too,

Henry Catchpole (@HenryCatchpole)

Date acquired	May 2013
Total mileage	13,014
Mileage this month	1012
Costs this month	£0
mpg this month	30.4



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2.2 DEISEL XS90 2DR Manual - £39,875 | XS110 4DR Manual - £43,875

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NEW CHELSEA JEEP CJ300

2DR Automatic - £31,875 | 4DR Automatic - £33,875

CJ300 Specification: Jeep 1941 Alloy Wheels 7.5x17" in Satin Black, 4 Slot Chelsea Truck Company Grille, Front Grille Industrial Mesh, Side Wing Blades in Carbon Finish, Fuel Filler Cap in Satin Black, Chelsea Truck Company Spare Wheel Cover, Front & Rear Seats in Quilted & Perforated Leather with Matching Stitching, Coloured Dials, Door Entry Sill Plates in Stainless Steel, Floor Mats in Toughened Rubber, Brake Calipers in Liquid Red, Smoked Headlamps, Side Wing Blades in Carbon Finish & KAHN Vehicle Branding. Also Available in 3.6 Petrol Derivative at an extra cost. Image shown with optional: Diamond Bright LED Headlamps, Front Sports GTB Racing seats & All Terrain tyres.

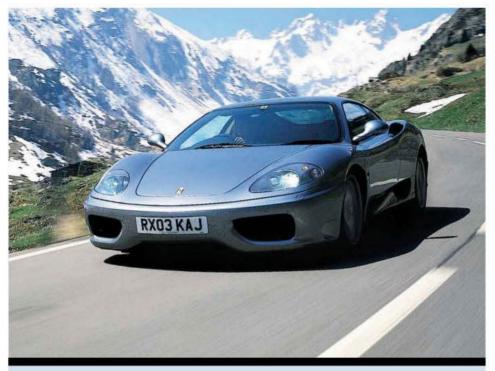




Market Watch

Knowledge

Insights into the used-car market



Market watch

THE NEXT BIG THING?

Will the Ferrari 360 Modena follow the F355 with rising prices?

THERE CAN'T BE an evo reader out there who, if they haven't already realised a dream of Ferrari ownership, isn't at least considering ways of making it come true. The genuine classic models (250 GTO, Daytona, original California Spider, Dino 246, etc) are now well and truly out of reach for all but the super-rich, and they're hardly the sort of cars you could live with on a daily basis in the modern world anyway. But that can't be said for the F355, which was probably the first two-seat Ferrari that could genuinely be considered a prospect as regular transport.

Around five years ago, there was a relative abundance of 355s in the low- to mid-£30,000s, but now the car has acquired 'modern classic' status, prices have edged up to the £50,000 mark and beyond. This should be taken as a lesson, because it's currently possible to buy its far better successor, the 360 Modena, for below £40,000.

The 360 (pictured) was lighter, quicker, better engineered and generally more reliable than the 355 and now looks like an absolute bargain. Prices start in the mid-30s for cash, but between £50,000 and £60,000 will get you an excellent coupe or a very good Spider. There's also a good spread of both F1 paddleshift cars and manuals in the market (I reckon the latter will become considerably more sought after). Trackday enthusiasts will appreciate the even-more-focused limitededition Challenge Stradale, but these are now well into six figures and beyond.

My target, however, would be a 'cooking' 2002/2003 Modena for £50k or less, preferably in Tour de France Blue. Surely there can be few more enjoyable investments?

Simon de Burton





Auction watch

A host of classics go under the hammer at Barons' April auction at Sandown Park

Barons auction house is holding a classic car sale on April 29. Based at its usual Sandown Park location, there will be a wide selection of mainly 1960, '70s and '80s cars, plus a sprinkling of more modern machinery.

One classic that really stands out is the 1973 Ford Escort Mexico. It's not a replica - the genuine AVO (Advanced Vehicle Operations) bodyshell is certified – and having been recently restored to 'better than new' condition, it's in perfect running order. The original 1600 Crossflow engine has been fettled, now running a spikier camshaft and twin Weber carburettors, and there are some competition-style seats, harnesses and a roll-cage. Mk1 Mexicos of this calibre are few and far between, and like all Escorts of this age it will be subject to high demand from historic rallying circles, hence the guide price of £17k-20k.

Next up is something a lot more technically advanced - a 2002 Mercedes CL500. Just as the S-class Coupe is now, the CL was once Mercedes' flagship coupe, boasting huge amounts of equipment as standard. The 5.5-litre V8 engine's 302bhp might sound a little tame by today's standards, but this CL will still comfortably cruise up to its 155mph limiter. This was also the car that debuted Mercedes' Active Body Control system, which eliminates body roll. This black CL500 shows 91,000 miles and has a full service history. If you're feeling brave, it could well be yours for the £3000-4000 estimate.

Finally, a real curio at the sale is a rather rare British sports car, the Jowett Jupiter. This unusual-looking 1950s roadster was the last production car you could buy that featured a naturally aspirated flat-four engine up front and a rear-wheel-drive chassis - until the GT86 came along, that is. It's expected to sell for £24,000-27,000.

Matthew Hayward (@evoMatthew)



Top: restored 1973 Escort Mexico will be in big demand. Above: tech-packed 2002 CL500 could be a bargain

Market Watch

Knowledge

Insights into the used-car market

Ask the expert



I read your recent 'Future Icons' article (evo 188) with great interest, particularly because it featured the BMW 1M Coupe. Like Richard Meaden, I also cannot 'get my head around the fact they're going for very close to the same money that they did new'.

Whilst 1M values are currently static, I'm concerned about the arrival of the M2 in 2015. I don't want to pay top dollar for a 1M and then two years later it drops considerably in value. I assume the M2 will not be a limited edition, which may help keep 1M prices high.

Other cars I'm considering are the E92 M3, A45 AMG and Golf GTI.

Gordon Fryer

A

The A45 and the Golf are guaranteed to depreciate most because, while they're great cars in their own right.

they don't have such an abundance of the key ingredient that makes the 1M stand out – character. The low number released to the UK should also help residuals, while the volume-produced M2 should be different enough to help the 1M retain its 'special' status.

As for the E92 M3, the best way to protect your money in one of those is to start saving for a GTS. Refined Marques in Cannes has one with zero miles on the clock – for €220.000... SdB

Email your question to experts@evo.co.uk

Stuart Nicks, Racing Green TVR racinggreentyr.com

With the word on the street being that TVR could soon be back in business, interest in the marque seems to be gaining extra momentum. From what we see in the showroom, Griffiths are continuing to hold their value, while prices for the Sagaris [pictured] are going through the roof. People now recognise that this was the best engineered of all TVRs and is a pure drivers' car. Values are now north of £50,000 and we are keen to buy as many as we can find.

'Having said that, I would only recommend buying a TVR if it has an excellent maintenance history and evidence of good provenance. There are plenty of five- or six-owner cars out there, and that should not put anyone off – so long as they have been properly maintained.

"The Cerbera remains the entry-level model, and they really represent value. We have a 400 V8 on offer with around 60,000 miles on the clock, and it's up for £12,995. The only more affordable TVRs are the earlier, wedge-shaped cars. But we don't get involved with those because good ones are hard to find, values are relatively low and, since we offer every car with a 12-month warranty, they are not really financially viable.'

Just looking

The pick of the classifieds this month



Bristol Fighter £159,950 Top 555, Rutland www.top555.co.uk 01572 774830

Of the ten Bristol Fighters ever made, just six reside in the UK, apparently, and this was the last one built. A mere 1100 miles have passed under its unassuming alloys, while its engine has run for 62.8 hours, according to the amusing ceiling-mounted dial.

With a Dodge Viper-derived 525bhp 8-litre V10 driving the rear wheels through a six-speed manual gearbox, it seems a world away from the turbocharged, paddleshifted GTs we're accustomed to now. Yet it's a properly cosseting car, its intergalactic gearing (70mph registers less than 2000rpm) and a full-size spare wheel both providing hints of real everyday useability – a great juxtaposition with completely off-the-wall styling and a 210mph too speed.

Despite hen's-tooth rarity, this one is £75,000 less than it was new in 2010, too. **Stephen Dobie** (@evoStephenDobie)

Porsche 911 Super Sport Targa

£32,995

Gmund Cars, North Yorkshire gmundcars.com 01423 797989

The new 911 Targa has just launched, and helping it shake off the naffness of its recent predecessors are retro B-pillars that ape those of this 1988 Targa, when the fliplid 911 was perhaps at its very coolest.

Unlike the 991 Targa, which is four-wheeldrive only, this is a rear-drive 3.2 Carrera. The engine produces 231bhp, and as a later model it is mated to the desirable Getrag G50 five-speed manual gearbox.



This particular Targa is also a Super Sport, gaining the contemporary Turbo's body kit, whale-tale wing, brakes and suspension. The 14mm ride-height drop and a wider track are set off perfectly by those lovely Fuchs alloys.

With a smidge under 85,000 miles on the clock and a full service history, this Targa appears to have been kept well. And all this for £5000 less than a new Boxster... **SD**

Fantasy garage: £100,000 challenge

Three shamelessly thirsty V8s for less than £100,000 (with a few grand left over for fuel) – all from the listings at forsale.evo.co.uk



Jensen SV8 £29,500

Jensen's last hurrah is a rarity, with just 20 completed cars leaving the Speke factory. Mustang engine is tough, looks are staid.



TVR Griffith £15,995

With the Griff now established as a modern classic, this one could represent a bargain. 'Crystal Topaz' paint is an acquired taste, though.



Superformance AC Cobra £49,995

Superformance is sanctioned by Shelby to produce 'continuation' Cobras – this one has done just 300 miles from new.





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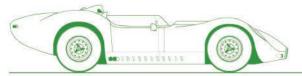
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- · Lister Storm LMP Ltd
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VAS VEHICLE SOLUTIONS



Lamborghini Diablo
Magnesium Wheels Jota Edition Unique Limited
Edition 21,875 miles 1996 £300,000



Lamborghini Murcielago Roadster Lifting Gear Egear 9,000 miles 2005 £114,990



Lamborghini Gallardo Lifting Gear Reverse Camera Egear 21,000 miles 2008 £79,990



Lamborghini Gallardo
Branding Pack Matt Black Cassiopea Alloys
Sportivo Interior 11,000 miles 2007 £74,990



Lamborghini Gallardo LP570 Superleggera Ceramic Brakes Carbon Fibre Driving Zone Carbon Racing Seats 12,000 miles 2010 £124,990



Lamborghini Murcielago
LHD Titanium Hercules Alloys Yellow Brake Calipers
Lifting Gear 12,000 miles 2008 £134,990



Lamborghini Murcielago V12 Coupe HIGH SPEC Hercules Alloys Egear Lifting Gear 17,000 miles 2005 £106,990



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Lamborghini Gallardo LHD Reverse Camera Calisto Alloys 8,000 miles 2009 £71,990



Lamborghini Gallardo LP550
Calisto Alloys Reverse Camera Egear Lifting
Gear 7,000 miles 2011 £99,990



Lamborghini Diablo
VT Wheels, SE30 limited edition 24,000 miles
1996 £129,990



Lamborghini Gallardo Lifting Gear Branding Pack 7,000 miles 2011 £85,000+ VAT



Lamborghini Gallardo Egear Lifting Gear Calisto Alloys 28,000 miles 2008 £77,490



Lamborghini Gallardo V10 Coupe LHD HIGH SPEC Lifting Gear, Clear Engine Bay Cover, Yellow Brake Calipers, 14,000 miles, 2005, £59,990



Lamborghini Gallardo Lifting Gear Branding Pack Egear 22,000 miles 2008 £78,490

BUYING OR SELLING LAMBORGHINI AUTOMOBILE'S

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Mercedes-Benz CLK63 AMG 2006-2009



The Black Series is the version we all remember, but even the 'regular' CLK63 had a stonking 481bhp V8 Words: Peter Tomalin

THE CLK63 AMG is notable for several things – a spell as the safety car in F1, the fact that Jeremy Clarkson bought a Black Series and then spent most of the time moaning about it – but mostly because it was the first car to be powered by a completely bespoke AMG engine.

In the early 2000s, AMG decided that rather than put another supercharged or turbocharged twist on an existing Mercedes engine, it would lure former employee Bernd Ramler back from Porsche (where he had created the Carrera GT's wondrous V10) and set him to work on a completely new power unit. The result was the M156 – a naturally aspirated 6208cc V8 producing a walloping 481bhp and 464lb ft.

When it made its debut in the previously underwhelming CLK Coupe in 2006, it transformed a prissy car into something rather wonderful. The fact the visual clues were so subtle – a slightly more aggressive front bumper/chin spoiler, 18in five-spoke alloys, four oval tailpipes, a sliver of bootlid spoiler – made the performance (0-62mph in 4.6sec) all the more pleasing. There was even a Cabriolet version, which must have furrowed the brows of a few traffic-light Alonsos over the years. Underneath there was beefed-up suspension, fade-free composite brake discs at the front (regular iron items at the rear) and a seven-speed multi-mode automatic transmission with the option of manual shifting via chunky paddles.

In June 2007, the CLK spawned something altogether more devilish. The CLK63 AMG Black Series was thoroughly reworked, from its tuned 500bhp V8 and its additional oil coolers to its stiffer shell, uprated suspension, flared arches and rear diffuser. It was AMG's answer to Porsche's 911 GT3, came with a near £100k price tag and just 31 of the 700 built were sold in the UK.

Rarity has kept Black prices buoyant – you'll be lucky to find one for less than £60k – but the regular CLK63, with prices from £20k, looks very decent value. Find one that's been fastidiously maintained and bask in the sound and fury of that very special engine.

Checkpoints

Engine

The M156 V8 developed a reputation for snapping head bolts, with occasionally catastrophic results if coolant got into the combustion chamber. Oliver Stoner of Hants-hased Mercedes specialist Prestige Car Service says most engines have had the problematic bolts replaced, but it's important to be aware of the issue - the early symptoms are similar to head gasket failure. Also, listen for a tappety noise – common when the engine's cold, but if it continues it means the hydraulic lifters are sticking and potentially causing premature wear to the cam lobes. Replacing the lifters will cost a couple of grand at a specialist and more at a Mercedes dealership, but ignoring the signs is potentially a lot costlier. Many engines had their head bolts and lifters replaced with later, improved items under warranty. Other than these issues. Oliver says the M156 is largely trouble-free provided it has the scheduled 10,000-mile oil changes with the recommended Mobil 1.

Transmission

Although the CLK63 is a rare beast, its engine and transmission are used in many other recent AMG products and – as with the engine – the seven-speed



automatic gearbox is generally a robust and reliable unit provided it's properly maintained. In this case, that means a fluid change at the recommended 37,500 miles, and at 40,000-mile intervals thereafter. A specialist like Prestige Car Service will charge around £180-200.

Suspension, steering, brakes

Like any hefty high-performance car, the CLK63 is heavy on its brakes, suspension and tyres, particularly if the ample performance is enjoyed to the full. Control arm bushes are particularly prone to wear, so listen for any clonks and rattles on the test-drive. The brakes are superb – but also very expensive (budget around £2k for front discs and pads). Unsurprisingly, a 63 gets through rear tyres pretty smartly. Check all four boots are matching and a premium brand – if the owner has skimped here, he's probably skimped elsewhere too.

Body, interior, electrics

Some of the trim inside is a bit plasticky and easily scratched, but the general build quality is high, the sports seats are superb and electronic glitches are rare.





1: carbon-ceramic front discs are expensive to replace. 2: engine should be reliable if serviced regularly. 3: scratched plastics should be the only problem inside

What we said

June 2006



'Driven gently it's easy to wonder what's so special about the 63. The steering is encouragingly weighted, but you don't sense there's a huge amount of feel or detailed feedback, and the chassis suggests that it has had to trade involvement for containment, with the emphasis on muscle-bound damping and plenty of grip to keep the abundantly potent V8 in check.

'When you work some lateral load through the chassis, it summons more feel and delivers a more detailed report from the front and rear contact patches. Normally when you disengage ESP on an AMG model it is never truly off-duty, which makes for frustrating and often illtimed intervention. Not so in the CLK63. Now when you thumb the switch, the system is truly off.

'That's not the end of the story, though. Peeling away ESP reveals the next layer of defence: electronic traction control. While it effectively snuffs out your wildest drift fantasies, it also means you can drive the CLK to the edge of adhesion, and sometimes beyond.

'Brilliantly controlled and robustly built, the CLK63 has plenty of engineering integrity and charisma.' (**evo** 092)



Above: with 481bhp from its 6.2-litre V8, the CLK63 is a very rapid machine on fast roads



Above: quad exhausts were amongst the subtle AMG styling cues on the non-Black 63

T bought one' Ken Price

'I bought my CLK – a September 2007 model with only 21,000 miles on the clock and full supplying dealer history – from Hofmann's of Henley in August 2011. It has nearly all the options – heated and cooling seats, digital TV, Harman Kardon hi-fi, glass roof, etcetera.

'Although the Merc initially felt sterile compared to the Maserati GranSport it replaced, it's an extremely subtle tool with immense power, as happy driving to the shops in Auto Comfort mode as blasting along fast roads in Manual.

'The car has now done 31,000 miles and has been totally reliable. The maintenance costs are very reasonable – around £300 a year, though I supply my own Mobil I as it saves half the price Mercedes charges! I've only changed the front pads once – good quality pads, which meet or exceed OEM, cost around £75 – though it's now on the second set

of rear tyres, which seem to last about 7000 miles. Tax is now approaching £500, which is expensive, and of course if driven hard the fuel consumption is high. That said, on a motorway run, mid-20s can easily be achieved.

'If you want a subtle but very powerful car, with German build quality, surprisingly low maintenance costs and one of the all-time great V8s, then a CLK63 is amazing value for money.'

In the classifieds



2008 CLK63

3 69,973 miles Obsidian Black/black leather Ash Black wood trim Harman Kardon, etc FMBSH hamiltongrays.com

£18,950



2007 CLK63

■ 33,600 miles ■ Obsidian Black/black leather ■ 18in black AMG alloys ■ Comand DVD/nav ■ FMBSH ■ romansofstalbans.co.uk

£29,995



2008 Black Series

■ 17,000 miles ■ Left-hand drive ■ Obsidian Black/red leather ■ FMBSH

£59,990

The rivals

BMW 650i

BMW's 4.8-litre V8 made 362bhp and a matching torque figure. 0-60 in 5.5sec and lots of toys. £20k buys you a very presentable '06/'07 Sport.

Maserati GranSport

Not as everyday useable, but a special car with similar performance – 396bhp from its 4-litre V8 gives 0-60 in 4.8sec. £25k buys a low-miles '06/'07 example.

Porsche 997 Carrera S

0-60 in 4.6sec and our 2004 eCoty winner. £20k buys an early ('04) model.

Specification

CLK63 AMG

(Black Series in brackets)

Engine V8, 6208cc

Max power 481bhp @ 6800rpm (500 @ 6800)

Max torque 464lb ft @ 5000rpm

(464 @ 5250)

Transmission Seven-speed automatic, rear-wheel drive

Weight 1755kg (1760)
Power-to-weight 278bhp/ton (289)
0-62mph 4.6sec (claimed) (4.2)

Top speed 155mph (limited) (186) **Price new** £65,215 (2006) (£99,517)

Parts prices

(Prices supplied by Mercedes-Benz Cambridge, tyre prices from blackcircles.com. Prices include VAT but exclude fitting charges)

Tyres (each) £108.79 front, £184.38 rear (Michelin Pilot Sport 3)

Front pads (pair) £165.60 Front discs (pair) £1480.80

Front damper £169.20 Wheel £399.76

Exhaust £1905 (mid-section), £858 (rear) Spark plugs (each) £10.32

Servicing

(Prices supplied by prestigecarservice.co.uk, including VAT)

Every 10,000 miles, alternating minor and major services

Minor service (oil and filter, etc) £200 Major service (varies according to schedule) up to £600

What to pay

Even the regular CLK63 is a rare sight in the classifieds, so you may have to be patient to find the right car. £20,000 is the realistic entry point, though we spotted one high-miler for £18,950. Top money for a low-mileage car with impeccable history is c£30k. The even scarcer Black Series still commands a massive premium – you'll be lucky to find one for less than £60k.

Useful contacts

mbclub.co.uk

forums, advice, events

■ benzworld.org

forums, advice, classifieds

mbworld.org

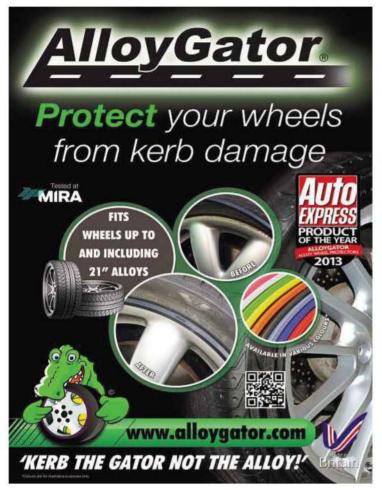
US forums, advice

☐ mercedes-amg.com official AMG site

official AMG Site ☐ prestigecarservice.co.uk

servicing, tuning, parts pistonheads.com cars for sale. forums

forsale.evo.co.uk









Essentials

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Model

Minichamps McLaren F1 £99.99 www.diecastlegends.com

Ly9.99 www.diecastlegends.com

It's not the first time we've featured a McLaren FI model in Essentials, and it probably won't be the last. Can you blame us? This Minichamps 1:18-scale version is typically well detailed, and its gold foil-lined engine bay looks almost as stunning as the real thing.

Wheel

HRE Performance Series P1

From £1770.60 (each)

rpmtechnik.co.uk

Porsche specialist RPM has become the exclusive UK seller of wheels made by American premium brand HRE. The wide range, including this Series P1 version, is designed to fit any modern Porsche but can also be applied to other makes of car. The price may be steep, but each wheel is made to order.

Book

Car Design Review 1

£30 cardesignnews.com

Intended to be the first of an annual series, this book looks at the designs of all of 2013's big new models and concepts in thorough detail. Those excited by a car's aesthetics will enjoy the detailed pictures and background stories to the latest innovations and features.

Car care

Scholl Concepts Bubble 6-in-1 Soft Care Pudding

£16.60 (1kg) schollconcepts.com

Looking more like handwash than shampoo, the citrus-smelling 'pudding' in this 1kg tub can be used as a car wash, plastic, vinyl or leather cleaner and even in the washing machine to revive microfibre cloths and sponge applicators. You use tiny amounts – two teaspoons for a bucket of car wash – so the tub should last ages.

RC car

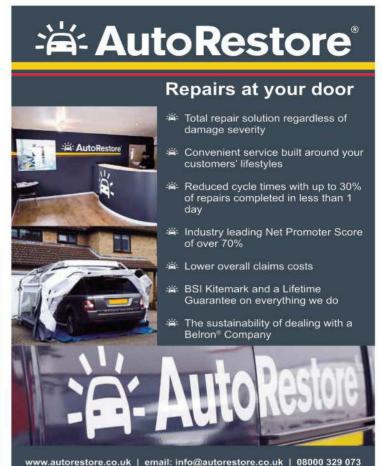
Alfa Romeo 155 V6 TI

£199.99 hobbyco.net

The 155 V6 TI, with its beautiful Jägermeister livery, raced in the DTM in 1994, taking a podium in the Hockenheim season finale in the capable hands of Michael Bartels. Now you can drive it in 1:10-scale Tamiya RC kit form, with adjustable wheelbase, ride heights and gear ratios. The radio battery and charger are included in the price.









Tried & Tested

Knowledge

The best motoring products, put through their paces by the **evo** team







Above: AutoRestore's sizeable mobile body shop. **Far left:** numerous big scratches needed removing. **Left:** finished job was better than new

AutoRestore

From £275 autorestore.co.uk

We like to take care of our cars here at **evo**. Presumably this explains why, when the paint on the luggage restraint bar in our Mini GP long-termer got scratched, the person responsible was too embarrassed to own up.

To get the damage fixed, I called mobile bodywork repair specialist AutoRestore. The first mobile accident repairer to receive a BSI Kitemark for Vehicle Body Repair, AutoRestore isn't just another SMART (Small to Medium Area Repair Techniques) repairer, as its nationwide network of 150 mobile units can tackle much larger jobs – pretty much anything that isn't structural, in fact.

How this might be possible became apparent when Ernie, the technician assigned to our job, arrived in his Transit, from which a huge tent-like structure appeared, creating a fully enclosed working environment complete with an extraction system to keep it dust-free.

Although a whole car could fit inside, for this job it was easiest to remove the luggage bar from the Mini so it could be prepped and then suspended in the 'body shop' for painting. The correct shade of Chili Red paint was mixed in the van, and the painted bar was baked until dry before being refitted to the car.

The job took around half a working day and cost £318. It was certainly more convenient than visiting a body shop, but best of all was the quality of the work carried out – the finish was glassy smooth, and noticeably better than the original factory paint. You can't argue with that.

Ian Eveleigh

Lego Technic 42000 Grand Prix Racer £79.99 lego.com

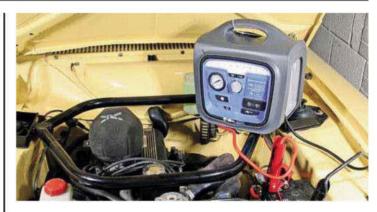
Full disclosure: I adore Lego. Always have. Number 42000 is only really a medium-sized set from the Lego Technic range, but the 14 bags of parts and three books of instructions make for quite a daunting prospect when you first open the box. Soon, however, you're immersed in the process of building and hours can pass as you carefully follow the wonderful diagrams. It's fascinating seeing a differential or some working suspension emerge almost miraculously from all the little parts.

You really do need to pay attention, too. Click something together incorrectly and you might not realise your mistake for

a couple of hours, at which point there's a nerve-wracking period of disassembly and reassembly as you try to retrace your steps (I speak from experience!). It's all part of the fun, though, and simply increases the warm glow of satisfaction when it's all finished. And once you've marvelled at the pistons pumping in the engine, you can take it all apart, download the instructions for a race truck from the Lego website and build that from the same kit: two builds for the price of one.

People always seem to assume that I'm joking when I ask for Lego for Christmas. I'm not.

Henry Catchpole (@Henry Catchpole)





One of the problems with power pack jump-starters is ensuring they are ready to go when needed in a hurry. Each pack in this new range from Ring (bar the entry-level model) comes with a charging station, which keeps the battery topped up while being stored. We tried the RPP165, which also comes equipped with a compressor.

At the heart of the unit is the 17Ah (amp-hours) battery, which easily spun over our 1.3-litre test engine in repeated starting attempts. The 80cm leads are a little too short to work with the pack on the ground but the clamps are robust and we like the 'wrong connection' warning

beep. But while the compressor with its preferred screw-on connector worked well, adding 3 psi to an 18in tyre in 1min, the dual-scale gauge is hard to read.

Modern power packs are more than just jump-starters, though, and this one also has two 12V cigar-lighter sockets, both protected by rubber covers, while its USB connection charged both an iPad 2 and an (often electrically fussy) iPhone 4S. And if you break down at night its LED beam is powerful and can light several metres away. Add in the choice of 12V or mains charging and you have a great addition to either boot or workshop.

Kim Adams (@cargadgetguru)







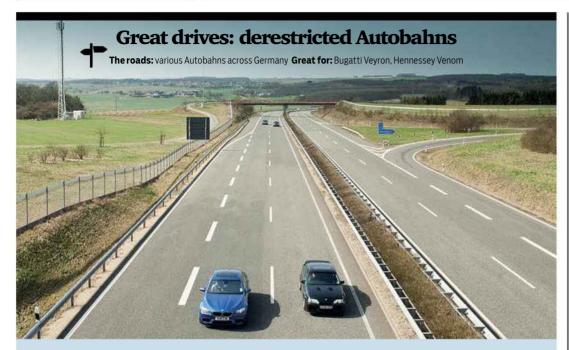
EMAIL: info@botb.com



Trips & Travel

Knowledge

The best destinations to visit in your car



CORNERS AND SCENERY are what define most of the Great Drives I've written about over the past couple of years. This month, however, I shall be extolling the virtues of neither. Germany's Autobahns, specifically the derestricted parts,

always seem to be near the top of 'must drive' lists and it's easy to see why, as the lure of legally going as fast as you can on the public road is a strong one. What's more, the desire to do so only seems to increase as the years pass and the likelihood of a blanket speed limit grows (although with Angela Merkel's Christian Democrats having been re-elected last year, the derestricted Autobahns should be safe for a while yet).

Due to the vagaries of traffic, road works, etc, it's not always easy to predict where you'll be able to go fast. However, the following sections of Autobahn are a geographically widespread selection of stretches that **evo** has been to in one capacity or another over the years.

The most historically significant is the A5 between Frankfurt and Darmstadt (number 1 on the map here). This is where Rudolf Caracciola drove his 736bhp Mercedes at a public-road record 268mph on January 28, 1938, and where Bernd Rosemeyer lost his life later that day trying to top that in an Auto Union. The A5 between Karlsruhe and Mannheim (2) and the A9 from Ingolstadt to Nuremberg (3) are stretches used in **evo** 055, when a young Jethro Bovingdon drove a twin-engined Audi TT to 205mph, and what would become Harry Metcalfe's Zonda failed to creep above 199mph. The A8 south of Munich (4) is too busy by day, but at night I managed over 200mph in a Bentley Conti GT Speed (it was easier heading towards Munich). I also managed a healthy speed in a Corvette

Z06 on the A7 just after crossing the border from Denmark (5). Finally, the A1 south of Cologne (6) is on a possible route to and from the Nürburgring and as it's a sort of road to nowhere (it doesn't end at a city), it frequently seems to be quiet.

Henry Catchpole Features editor



The route



Q Watch out for

There are a myriad of things to bear in mind if you want to go fast on an Autobahn, and this is not an exhaustive list (so use common sense).

Tyres are critical, so check pressures, speed ratings and condition before attempting any big speeds. How does your car behave when braking from big speeds? The balance might not be as you expect, so you need to be aware before hauling on the middle pedal as hard as you can from 160mph. Leave room between yourself and other traffic, and then leave more just to be sure. You should be looking and planning a very long way ahead and if you're at all unsure about another vehicle's movements, back off. Also remember to check your mirrors – you might not be the fastest thing out there.

The weather can play havoc with a car at speed: standing water is to be avoided, but high winds can also be unnerving, particularly if they hit you broadside. Night-time can mean that the Autobahns are quiet, but watching the red lights ahead can be deceiving and it's easy for a truck to conceal a car from view. And finally, don't chase numbers: try to hit 200mph if you want, but if you're doing 199mph and the truck up ahead starts indicating, don't be tempted to keep accelerating.

Reader road trip

Scottish road trip

After years of thinking about getting a sports car upon our retirement, my wife and I took the plunge and spent just under £2000 on a Mki MX-5. Its optional Bilstenie dampers gave a harder ride than standard but that would just add to the enjoyment of all the sweeping Scottish roads we planned to visit.

We started by heading through the Yorkshire Dales to Croft Circuit, where the wife marshalled at the HSCC Nostalgia Weekend. Showers then slowed us en route to Dumfries, where we sampled the great, fast, sweeping curves of the Galloway roads around Kirkcudbright. The north of Scotland



now called, and a great run on deserted roads via Ayr, the Erskine Bridge and the Alexandria Motor Works took us towards Loch Lomond and our campsite at Arrochar.

Past Glencoe, a crash blocked the A82 towards Spean Bridge, so instead we explored the B8004, which runs parallel. The following day we took on the Road to the Isles, to Mallaig, and the day after that we drove the road that has to be travelled when in this part of Scotland: the high mountain pass known as Baelach na Bà. Next we travelled east, alongside Loch Ness, towards Inverness and then on to the Old Military Road and the Whisky Trail. After this we set up camp near Kinross in order to visit Knockhill, where the wife marshalled the BTCC meeting there.

By now the rains had arrived and to travel back to Lancashire we left the A7 south of Galashiels and headed over flooded roads to Dumfries before taking the A6 over Shap and back home. It was a truly memorable 2000-mile trip and the MX-5 behaved beautifully. Not bad for a sub-£2k car that's 19 years old!

John Cooke

Email your road trip story to henryc@evo.co.uk

Events calendar

MAY

Mav 4

Goodwood Breakfast Club Supercar Sunday goodwood.co.uk

May 15-18

Mille Miglia, Italy 1000miglia.it

May 17-18

Blancpain Endurance Series, Brands Hatch GP www.brandshatch.co.uk



Database

= new entry this month. * = grey import. Entries in italics are for cars no longer on sale. Issue no. is for our most recent major test of the car (D = Driven, R = Road test or group test, F = Feature). Call 0844 844 0039 to order a back issue. Price is on-the-road including VAT and delivery charges. Engine is the car's main motor only – additional hybrid tech isn't shown. Weight is the car's kerb weight as quoted by the manufacturer. bhp/ton is the power-to-weight ratio based on manufacturer's kerb weight. O-60mph and 0-100mph figures in bold are independently recorded, all other performance figures are manufacturers' claims. CO2 g/km is the official EC figure and EC mpg is the official 'Combined' figure or equivalent.

Knowledge

Superminis / Hot Hatches

	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	CO2g/km	EC mpg	evo rating	
Abarth Punto Supersport		£17.805	4/1368	178/5750	199/2750	1225kg	148	7.5	-	134	142	46.3	+ Attractive and fun - Needs more power	***
Abarth 595 Turismo		£17.905	4/1368	158/5500	170/3000	1035kg	155	7.4	-	130	155	43.5	+ A properly fun, old-school hot hatch - Favours fun over finesse	****
Alfa Romeo Mito Cloverleaf	149 R	£18,870	4/1368	168/5500	184/2500	1145kg	149	7.5	-	136	139	47.1	+ Great MultiAir engine, impressive ride - Not as feisty as we hoped	***
Alfa Romeo Giulietta Cloverleaf	144 D	£25,530	4/1742	232/5500	251/1900	1320kg	179	6.8	-	150	177	37.2	+ Shows signs of deep talentbut should be more exciting	***
Alfa Romeo 147 GTA	187 R	'03-'06	6/3179	247/6200	221/4800	1360kg	185	6.0	15.5	153	-	23.3	+ Mk1 Focus RS pace without the histrionics - Slightly nose-heavy	***
Audi A1 quattro	181 R	'13	4/1984	253/6000	258/2500	1420kg	181	5.7	-	152	199	32.8	+ Polished 253bhp all-wheel-drive A1 - Just 19 for UK, Porsche Cayman price	****
Audi S3	188 R	£30,640	4/1984	296/5500	280/1800	1395kg	216	5.4	12.5	155	162	40.4	+ Lots of grip and one of the best-sounding four-pot turbos - Still a little too clinical	****
Audi S3	106 R	'06-'12	4/1984	261/6000	258/2500	1455kg	183	5.6	13.6	155	198	33.2	+ Very fast, very effective, very err, quality - A little too clinical	****
Audi RS3 Sportback	156 R	'11-'12	5/2480	335/5400	332/1600	1575kg	216	4.5	-	155	212	31.0	+ Above, with added five-pot character - Again, see above	***
BMW 125i M Sport	176 D	£26,020	4/1997	218/5000	228/1350	1420kg	156	6.4	-	155	154	42.8	+ Performance, price, running costs - Dull four-pot soundtrack	***
BMW M135i	195 R	£30,835	6/2979	316/5800	332/1300	1425kg	225	4.8	12.9	155	188	35.3	+ Powertrain, noise, chassis, price - M235i looks nicer, and has an LSD on its options list	****
BMW 123d M Sport	122 R	'07-'11	4/1995	201/4400	295/2000	1420kg	144	6.5	17.4	148	138	54.3	+ Economical and no slouch - Doesn't feel special enough	****
BMW 130i M Sport	106 R	'05-'10	6/2996	261/6650	232/2750	1450kg	183	6.1	15.3	155	-	34.0	+ Fantastic engine - Suspension can still get a little boingy	****
Citroën C1/Peugeot 107/Toyota Aygo	126 R	£8095+	3/998	68/6000	68/3600	790kg	87	14.2	-	98	103	61.4	+ Full of character and insurance-friendly - Insurance friendly power	****
Citroën Saxo VTS	020 R	'97-'03	4/1587	120/6600	107/5200	935kg	130	7.6	22.6	127	-	34.9	+ Chunky, chuckable charger - Can catch out the unwary	****
Citroën AX GT	195 R	'87-'92	4/1360	85/6400	86/4000	722kg	120	9.2	-	110	-	-	+ Makes terrific use of 85bhp - Feels like it's made from paper	****
Citroën DS3 1.6 THP	142 R	£17,475	4/1598	154/6000	177/1400	1240kg	126	7.2	-	133	155	42.2	+ A proper French hot hatch - Petrolheads might find it too 'designed'	***
Citroën DS3 Racing	153 D	'11-'12	4/1598	204/6000	203/2000	1240kg	167	6.5	-	146	149	-	+ Faster, feistier version of above - Not as hardcore as its 'Racing' tag suggests	***
Fiat Panda 100HP	132 R	'06-'11	4/1368	99/6000	97/4250	975kg	103	9.5	-	115	154	43.5	+ Most fun per pound on the market - Optional ESP can't be turned off	****
Fiat Punto Evo Sporting	141 D	£13,355	4/1368	133/5000	152/1750	1155kg	117	8.5	-	127	129	50.4	+ Great engine, smart styling - Dynamics don't live up to the Evo name	***
Ford Sportka SE	084 R	'03-'08	4/1597	94/5500	100/4250	934kg	102	9.5	-	108	-	37.2	+ Big fun in a little package - Could handle even more power	***
Ford Fiesta ST	184 R	£16,995	4/1596	179/5700	214/1500	1088kg	167	7.4	18.4	137	138	47.9	+ Chassis, price, punchy performance - Not as powerful as key rivals	****
Ford Fiesta ST Mountune	195 R	£17.594	4/1596	212/6000	236/2750	1088kg	198	6.6		140	138	-	+ One of the best mid-sized hatches made even better - Badge snobbery	****
Ford Fiesta Zetec S	123 D	'08-'13	4/1596	118/6000	112/4050	1045kg	115	9.9		120	134	48.7	+ Genuinely entertaining supermini - Grown up compared to Twingo/Swift	***
Ford Fiesta Zetec S Mountune	132 R	'08-'13	4/1596	138/6750	125/4250	1080kg	130	7.9		120	134	48.7	+ As above, with a fantastically loud exhaustif you're 12 years old	***
Ford Fiesta ST	075 D	'05-'08	4/1999	148/6000	140/4500	1137kg	132	7.9	-	129	-	38.2		****
Ford Fiesta ST185 Mountune	115 R	'08	4/1999	185/6700	147/3500	1137kg	165	6.9	-	129	-	-	+ Fiesta ST gets the power it always needed - OTT exhaust note	***
Ford Fiesta Zetec S	020 R	'00-'02	4/1596	102/6000	107/4000	976kg	106	10.2	-	113	-	38.2	+ Better than you'd ever believe - No-one else will believe it	***
Ford Focus 1.6T Zetec S	165 D	£20.595	4/1596	179/5700	199/1900	1333kg	136	7.8	-	138	139	47.1	+ The fastest, keenest Mk3 Focus yet - The Mk1's sparkle is still absent,though	***
Ford Focus ST	188 R	£21,995	4/1999	247/5500	265/1750	1362kg	184	6.5	16.8	154	169	-	+ All-round cracking hot hatch. Good value, too - There's a bit of torque-steer	****
Ford Focus ST Mountune	187 D	£23,220	4/1999	271/5500	295/2750	1362kg	202	5.7	-	154+	169	-	+ Great value upgrade - Steering still not as feelsome as that of some rivals	****
Ford Focus ST	119 R	'05-'10	5/2522	222/6000	236/1600	1392kg	162	6.7	16.8	150	224	30.4	+ Value, performance, integrity - Big engine compromises handling	***
Ford Focus ST Mountune	137 R	'08-'11	5/2522	256/5500	295/2500	1392kg	187	5.8	14.3	155	224	-	+ ST takes extra power in its stride - You probably still want an RS	****
Ford Focus RS (Mk2)	195 R	'09-'11	5/2522	300/6500	324/2300	1467kg	208	5.9	14.2	163	225	30.5	+ Huge performance, highly capable FWD chassis - Body control is occasionally clumsy	****
Ford Focus RS500	181 R	10-11	5/2522	345/6000	339/2500	1467kg	239	5.6	12.7	165	225	-	+ More power and presence than regular RS - Pricey	****
Ford Focus RS (Mk1)	195 R	'02-'03	4/1998	212/5500	229/3500	1278kg	169	5.9	14.9	144	-	-	+ Some are great - Some are awful (so make sure you drive plenty)	***
Ford Escort RS Cosworth	157 R	'92-'96	4/1993	227/6250	224/3500	1304kg	176	5.8	-	143	-	24.5	+ The ultimate Essex hot hatch - Ultimate trophy for tea leaves	***
Ford Puma 1.7	095 R	'97-'02	4/1679	123/6300	116/4500	1041kg	120	8.6	27.6	122	-	38.2	+ Everything - Nothing. The 1.4 is worth a look too	****
Ford Racing Puma	128 R	'00-'01	4/1679	153/7000	119/4500	1174kg	132	7.8	23.2	137	-	34.7	+ Exclusivity - The standard Puma does it so well	***
Honda Civic Type-R	102 R	'07-'11	4/1998	198/7800	142/5600	1267kg	158	6.8	17.5	146	215	31.0	+ Looks great, VTEC more accessible - Steering lacks feel, inert balance	***
Honda Civic Type-R Champ'ship White	126 D	'09-'10	4/1998	198/7800	142/5600	1267kg	158	6.6	-	146	-	31.0	+ Limited-slip diff a welcome addition - It's not available on standard car	***
Honda Civic Type-R Mugen	195 R	'09-'11	4/1998	237/8300	157/6250	1233kg	195	5.9	-	155	-	-	+ Fantastic on road and track - There's only 20, and they're a tad pricey	****
Honda Civic Type-R	075 R	'01-'05	4/1998	197/7400	145/5900	1204kg	166	6.8	16.9	146		31.7	+ Potent and great value - Looks divide opinion, duff steering	***
Kia Proceed GT	186 D	£19,995	4/1591	201/6000	195/1750	1448kg	141	7.4		143	171	291	+ Good chassis, appealing price - Thrashy engine	***
Lancia Delta Integrale	194 R	'88-'93	4/1995	207/5750	220/3500	1300kg	162	5.7	-	137	-	23.9	+ One of the finest cars ever built - Demands love, LHD only	****
Mazda 21.5 Sport	132 R	£13,495	4/1498	102/6000	101/4000	1030kg	107	10.4	-	117	135	48.7	+ Fun and funky - Feels tinny after a Mini	***
Mazda 3 MPS	137 R	'06-'13	4/2261	256/5500	280/3000	1385kg	188	6.3	14.5	155	224	29.4	+ Quick, eager and very good value - The steering's iffy	***
Mercedes-Benz A250 'by AMG'	173 D	£29.355	4/1991	208/5500	258/1200	1370kg	154	6.5		149	148	46.3	+ Mercedes builds a proper hot hatch - But denies it a manual gearbox	***
Mercedes-Benz A45 AMG	194 R	£37.845	4/1991	355/6000	332/2250	1480kg	244	4.3	10.6	155	161	40.9	+ Blisteringly quick everywhere - Not as rewarding as some slower rivals	***
MG3 Style	190 D	£9999	4/1498	104/6000	101/4750	1155kg	91	10.4	-	108	136	48.7	+ Decent chassis, performance and price - Thrashy engine, cheap cabin	***
MG Metro 6R4 Clubman	181 R	'84-'87	6/2991	250/7000	225/6500	1000kg	254	4.5	-	140	- 130	40.7	+ The most extreme hot hatch ever - Engine noise, heat soak, five mpg	****
Mini One	IOI K	£13,460	4/1598	97/6000	113/3000	1070kg	92	10.5		116	127	52.3	+ Perfect power-to-grip ratio - HUGE speedo, slow car	***
Mini Cooper	185 F	£15,400	4/1598	120/6000	118/4250	1075kg	113	9.1	-	126	127	52.3		
Mini Cooper S	149 R	£18,650	4/1598	181/5500	177/1600	1075kg	161	7.0		142	136	48.7	+ Brilliant ride and composure; could be all the Mini you need - You'll still buy the 'S' + New engine, Mini quality - Lacks old car's direct front end	****
Mini Cooper SD	158 D	£18,650	4/1995	141/4000	225/1750		125	8.0		134	114	65.7		
						1150kg							+ A quick diesel Mini with impressive mpg - But no Cooper Salternative	***
Mini John Cooper Works	184 R	£22,460	4/1598	208/6000	206/2000	1160kg	182	7.2	16.7	148	165	39.8	+ A seriously rapid Mini - Occasionally just a little unruly	***
Mini John Cooper Works Coupe	164 R	£23,805	4/1598	208/6000	206/2000	1175kg	180	6.3	-	149	165	39.8	+ The usual raucous Mini JCW experience - But with a questionable 'helmet' roof	***
Mini John Cooper Works GP	195 R	£28,790	4/1598	215/6000	206/2000	1160kg	188	6.3	-	150	165	39.8	+ Brazenly hyperactive - Too much for some roads and some tastes	****
Mini Cooper S Works (Mk2)	111 R	'07-'08	4/1598	189/6000	199/1750	1130kg	170	7.6	18.0	145	-	-	+ Cracking hot Mini - Expensive with option packs included	****
Mini Cooper S Works GP	144 R	'06	4/1598	215/7100	184/4600	1090kg	200	6.5	-	149	-	32.8	+ Storming engine, agility - Tacky styling 'enhancements'	****
Mini Cooper S (Mk1)	077R	'02-'06	4/1598	168/6000	155/4000	1140kg	143	7.8	19.9	135	- 1	33.6	+ Strong performance, quality feel - Over-long gearing	****
Mitsubishi Colt Ralliart	132 R	'08-'13	4/1468	147/6000	155/3500	1060kg	141	7.4	-	131	161	40.9	+ Price, handling, performance - Its looks are a little odd	***
Nissan Juke Nismo	184 R	£20,495	4/1618	197/6000	184/2400	1306kg	153	7.7	19.5	134	159	40.9	+ More than the sum of its parts - Not enough to add up to a pukka hot hatch	***



Finance subject to status. 5.9% finance available on all V40 models registered by 31st July 2014. *At participating dealers. Example based on mileage of 8000 per annum, excess mileage charge 14.9p per mile. At the end of the Personal Contract Purchase there are three options: (i) pay the Final Payment/GFV (Guaranteed Future Value) to own the vehicle; (ii) part exchange the vehicle, where equity is available; or (iii) return the vehicle. Further charges may be made subject to the condition of the vehicle. Terms and conditions apply. 18s or over. Guarantee/Indemnity may be required. Volvo Car Credit RH1 1SR. Thrill-free zone ★ Tepid ★★ Interesting ★★★ Seriously good ★★★★ A truly great car ★★★★



Our ChoiceVolkswagen Golf R. A flagship Golf to get *really* excited about, the new R offers immense pace and a truly engaging driving experience in a compromise-free package with class and quality aplenty. Cake both possessed and consumed.



Best of the RestBMW's M135i is an enticing rear-drive alternative to the Golf R, although the Mégane 265 Cup pips both for absolute tactility and involvement. The Fiesta ST (left), meanwhile, is the default affordable hot hatch choice. We'd have ours Mountuned.

Superminis / Hot Hatches

Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	CO2g/km	EC mpg	evo rating	
Nissan Sunny GTi-R		'92-'93	4/1998	220/6400	197/4800	1269kg	176	6.1		134		25.1	+ Nissan's Escort Cossie - Make sure it's a good one	****
Peugeot 106 Rallye (Series 2)		'97-'98	4/1587	103/6200	97/3500	865kg	121	8.8	-	121	-	34.0	+ Bargain no-frills thrills - Not as much fizz as original 1.3	****
Peugeot 106 Rallye (Series 1)	095 R	'94-'96	4/1294	100/7200	80/5400	826kg	123	9.3	-	118	_	35.6	+ Frantic, thrashy fun - Needs caning to extract full potential	****
Peugeot 106 GTI 16V	034 R	'97-'04	4/1587	120/6600	107/5200	950kg	128	7.4	22.2	127	-	34.9	+ Fine handling supermini - Looks its age	****
Peugeot 208 GTI	184 R	£18,895	4/1598	197/5800	203/1700	1160kg	173	6.8	17.9	143	139	47.9	+ Agile chassis works well on tough roads - Could be more involving	****
Peugeot 205 GTI 1.9	195 R	'88-'91	4/1905	130/6000	119/4750	910kg	145	7.9	-	124	-	36.7		****
Peugeot 306 GTI-6	020 R	'93-'01	4/1998	167/6500	142/5500	1215kg	139	7.2	20.1	140	-	30.1	+ One of the great GTIs - They don't make them like this any more	****
Peugeot 306 Rallye	095 R	'98-'99	4/1998	167/6500	142/5500	1199kg	142	6.9	19.2	137	-	30.1	+ Essentially a GTI-6 for less dosh - Limited choice of colours	****
Renaultsport Twingo 133	175 R	'08-'13	4/1598	131/6750	118/4400	1050kg	127	8.6	-	125	150	43.5		***
Renaultsport Clio 200 Turbo	184 R	£18.995	4/1618	197/6000	177/1750	1204kg	166	6.9	17.9	143	144	44.8	+ Faster, more refined, easier to drive - We miss the revvy nat-asp engine and manual 'box	
Renaultsport Clio 200 Cup	195 R	'09-'13	4/1998	197/7100	159/5400	1204kg	166	6.6	16.7	141	190	34.5		****
Renaultsport Clio 197 Cup	115 R	'07-'09	4/1998	194/7250	158/5550	1240kg	161	6.9	-	134	-	33.6		***
Renaultsport Clio 182	066 R	'04-'06	4/1998	180/6500	148/5250	1110kg	165	6.6	17.5	139	-	34.9	+ Took hot hatches to a new level - Flawed driving position	****
Renaultsport Clio 182 Cup	187 R	'04-'06	4/1998	180/6500	148/5250	1090kg	168	6.5	-	139		34.9	+ Full of beans, fantastic value - Sunday-market upholstery	****
Renaultsport Clio Trophy	195 R	'05-'06	4/1998	180/6500	148/5250	1090kg	168	6.6	17.3	140	-	34.9		****
Renaultsport Clio 172 Cup	048 R	'02-'04	4/1998	170/6250	147/5400	1011kg	171	6.5	17.7	138	-	-	+ Bargain old-school hot hatch - Nervous in the wet, no ABS	***
Renaultsport Clio V6 255	057 R	'03-'05	6/2946	255/7150	221/4650	1400kg	182	5.8	-	153	-	23.0		****
Renaultsport Clio V6	029 R	'99-'02	6/2946	230/6000	221/3750	1335kg	175	5.8	17.0	145	-	23.0		***
Renault Clio Williams	195 R	'93-'96	4/1988	148/6100	126/4500	981kg	153	7.6	20.8	121	-	26.0		****
Renault 5 GT Turbo	195 R	'87-'91	4/1397	118/5750	122/3000	855kg	140	7.3	20.0	120	-	28.4	+ Clio Williams' grand-daddy - Few unmodified ones left	****
Renaultsport Mégane 265 Cup	195 R	£25,990	4/1998	261/5500	265/3000	1387kg	191	6.4	14.8	158	190	34.4	+ A hot hatch benchmark - Not a lot	****
Renaultsport Mégane 250 Cup	139 R	109-12	4/1998	247/5500	251/3000	1387kg	181	6.1	14.6	156	190	34.4		
	119 R	'07-'09	4/1995	173/3750	265/2000	1470kg	119	8.3	23.5	137	- 190	43.5		****
Renaultsport Mégane dCi 175 Cup														****
Renaultsport Mégane Trophy	087 R	'05	4/1998	222/5500	221/3000	1355kg	166	6.7	17.3	147	-	32.1	+ Mega grip and traction - Steering needs a touch more feel	****
Renaultsport Mégane 230 F1 Team R26	195 R	'07-'09	4/1998	227/5500	229/3000	1345kg	171	6.2	16.0	147	-	-	+ The car the R26.R is based on - F1 Team stickers in dubious taste	****
Renaultsport Mégane R26.R	195 R	'08-'09	4/1998	227/5500	229/3000	1220kg	189	5.8	15.1	147			+ One of the true hot hatch heroes - Two seats, plastic rear windows	****
SEAT Ibiza FR 2.0 TDI	144 R	£17,445	4/1968	141/4200	236/1750	1245kg	115	8.2	-	131	123	60.1	+ More fun than the petrol FR, manual gearbox option - The Cupra's not much more	***
SEAT Ibiza Cupra	183 D	£18,765	4/1390	178/6200	184/2000	1259kg	144	6.9	-	142	139	47.9	+ Punchy engine, unflappable DSG - Lacks engagement	***
SEAT Leon FR TDI 184	184 D	£22,255	4/1968	181/4000	280/1750	1350kg	136	7.5	-	142	112	64.2	+ Performance, sweet chassis, economy, comfort - Boorish engine	***
SEAT Leon Cupra 280	195 R	£26,940	4/1984	276/6000	258/1750	1320kg	212	5.8	-	155	149	44.1	+ Serious pace and ability for Golf GTI money - The Mk7 Golf R	****
SEAT Leon FR+	163 D	'11-'12	4/1984	208/5300	206/1700	1334kg	158	7.2	-	145	170	38.7	+ As quick as a Golf GTI five-door but lots cheaper - Misses the VW's completeness	****
SEAT Leon Cupra R	139 R	'10-'12	4/1984	261/6000	258/2500	1375kg	193	6.1	14.0	155	190	34.9	+ Bold car, blinding engine - Lacks the character of its rival mega-hatches	***
SEAT Leon Cupra	105 R	'07-'11	4/1984	237/5700	221/2200	1375kg	175	6.3	-	153	190	34.0		***
SEAT Leon Cupra 20v T	020 R	'00-'06	4/1781	178/5500	173/5000	1322kg	137	7.7	-	142	-	33.2		****
SEAT Leon Cupra R 225	067R	'03-'06	4/1781	222/5900	206/2200	1376kg	164	6.9	-	150	-	32.1	+ Cross-country pace, practicality, value - Not as thrilling as some	****
Skoda Fabia vRS (Mk2)	146 D	£17,150	4/1390	178/6200	184/2000	1218kg	148	7.3	-	139	148	45.6	+ Well priced, well made, with great engine and DSG 'box - Dull steering	***
Skoda Fabia vRS (Mk1)	077 R	'04-'07	4/1896	130/4000	229/1900	1315kg	100	9.6	-	127	-	55.4	+ Fascinatingly fun and frugal hot hatch - A little short on steering feel	***
Skoda Octavia vRS (Mk3)	187 D	£23,260	4/1984	217/4500	258/1500	1350kg	163	6.8	-	154	142	45.6	+ Quick, agile, roomier than a Golf - Ride is harsh for what could be a family car	***
Skoda Octavia vRS (Mk2)	163 R	'06-'13	4/1998	197/5100	206/1700	1395kg	143	7.3	-	149	175	37.7	+ Drives like a GTI but costs much less - Green brake calipers?	***
Smart Fortwo Brabus	110 D	£15,375	3/999	97/5500	104/3500	780kg	126	9.9	-	96	119	54.3	+ Telling people you drive a Brabus - Them realising it's not a 720bhp S-class	***
Subaru Impreza STI CS400	146 R	'10-'12	4/2457	395/5750	400/3950	1505kg	267	4.6	10.7	155	-	-	+ Cosworth kudos. One of the fastest hatches we've tested - Pricey. Lifeless steering	***
Subaru Impreza WRXS	125 D	'08-'10	4/2457	251/5400	288/3000	1395kg	180	5.5	-	130	270	-	+ An improvement over the basic WRX - Still not the WRX we wanted	***
Subaru Impreza STI 330S	124 R	'08-'10	4/2457	325/5400	347/3400	1505kg	219	4.4	-	155	-	-	+ A bit quicker than the STIbut not better	***
Suzuki Swift Sport (Mk2)	175 R	£13,749	4/1586	134/6900	118/4400	1045kg	130	8.7	-	121	147	44.1	+ The Swift's still a great pocket rocket - But it's lost a little adjustability	****
Suzuki Swift Sport	132 R	'05-'11	4/1586	123/6800	109/4800	1030kg	121	8.9	-	124	165	39.8	+ Entertaining handling, well built - Lacking in steering feedback	****
Vauxhall Corsa VXR	154 R	£18,995	4/1598	189/5850	192/1980	1166kg	165	6.8	-	140	172	38.7	+ Looks snazzy, punchy engine - Lacks feel, uncouth compared with rivals	***
Vauxhall Corsa VXR Nürburgring	164 R	71-73	4/1598	202/5750	206/2250	1166kg	176	6.5	-	143	178	-	+ VXR gets more power and a limited-slip diff - But it's over £3K more expensive	***
Vauxhall Astra VXR (Mk2)	195 R	£27,260	4/1998	276/5500	295/2500	1475kg	190	5.9	-	155	189	-	+ Better than the car it replaces; loony turbo pace - Lacks RS Mégane's precision	***
Vauxhall Astra VXR (Mk1)	102 R	'06-'11	4/1998	237/5600	236/2400	1393kg	173	6.7	16.7	152	221	30.7	+ Fast and furious - Lacks a little composure and precision	***
VW Up/SEAT Mii/Skoda Citigo	171 R	£7990+	3/999	59/5000	70/3000	854kg	70	14.1	-	99	105	62.8	+ Accomplished city car is dynamically soundbut predictably slow	***
VW Polo GTI	154 R	£19.730	4/1390	178/6200	184/2000	1184kg	153	6.8	-	142	139	47.9	+ Modern-day mk1 Golf GTI gets twin-clutch DSG - It's a little bit bland	***
VW Golf GTD (Mk7)	188 D	£25,565	4/1968	181/3500	280/1750	1377kg	134	7.5	-	143	109	67.3	+ Pace, fuel economy, sounds good for a diesel - Lacks the extra edge of the GTI	***
VW Golf GTI (Mk7)	195 R	£26,125	4/1984	217/4500	258/1500	1351kg	163	6.5	-	152	138	47.1	+ Brilliantly resolved - Mégane 265 beats it as a pure drivers' car	***
VW Golf R (Mk7)	195 R	£29,900	4/1984	297/5500	280/1800	1476kg	204	5.1		155	165	40.9	+ Time to take the R brand seriously - Mégane 265 just edges it as a pure drivers' car	****
VW Golf GTI (Mk6)	172 R	'09-'13	4/1984	207/5300	207/1700	1318kg	160	6.4	16.5	148	170	38.7	+ Still a very accomplished hot hatch - 207bhp isn't a lot any more	***
VW Golf GTI Edition 35	168 R	12-13	4/1984	232/5500	221/2200	1318kg	179	6.5	10.5	154	189	34.9		***
VW Golf R (Mk6)	140 D	12-13	4/1984	266/6000	258/2500		179	5.5		155	199	33.2		****
						1521kg				145				
VW Golf GTI (Mk5)	195 R	'04-'09	4/1984	197/5100	207/1800	1336kg	150	6.7	17.9		-	- 26 /	+ Character and ability: the GTI's return to form - Lacking firepower?	****
VW Golf R32 (Mk5)	087R	'06-'09	6/3189	246/6300	236/2500	1510kg	165	5.8	15.2	155	-	26.4		***
VW Golf R32 (Mk4)	053 R	'02-'04	6/3189	237/6250	236/2800	1477kg	163	6.4	16.3	154	-	24.6		***
VW Golf GTI 16v (Mk2)	195 R	'88-'92	4/1781	139/6100	124/4600	960kg	147	7.9	-	129	-	26.6		****
VW Golf GTI (Mk1, 1.8) Volvo C30 T5 R-Design	095 R 122 R	'82-'84 '08-'12	4/1781	112/5800	109/3500	840kg	135	8.1	-	112	-	36.0	+ The car that started it all - Tricky to find an unmolested one	****
			5/2521	227/5000	236/1500	1347kg	165	6.6	16.9	149	203	32.5	+ Good-looking, desirable Volvo - Lacks edge of best hatches. Avoid auto	***

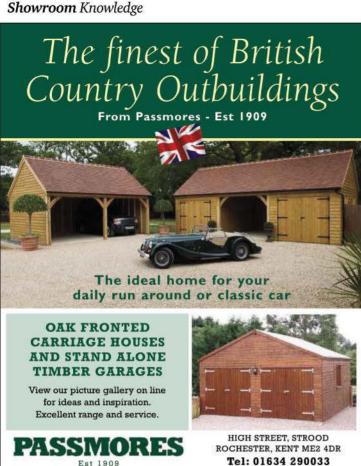
- · Adaptive Digital Display
- · R-Design Sports Upholstery with perforated leather
- 5 spoke diamond cut 17" lxion alloy wheels
- Up to 83.1 MPG (Combined figure)

36 monthly payments	£249
Customer deposit	£1,999
On the road price*	£21,080
Total amount of credit	£18,581
Interest charges	£2,752
Total amount payable	£23,832
Final Payment	£12,369
Finance Deposit Contribution	£500
Duration of agreement (months)	37
Fixed Rate of interest p.a	3.04%
Representative APR	5.9% APR



SEARCH VOLVO V40

Official fuel consumption for the Volvo V40 D2 R-Design (manual) in MPG (I/100km): Urban 74.3 (3.8), Extra Urban 91.1 (3.1), Combined 83.1 (3.4). CO₂ Emissions 88g/km. MPG figures are obtained from laboratory testing intended for comparisons between vehicles and may not reflect real driving results.



For further information visit: www.passmores.co.uk







Ratings Thrill-free zone ★ Tepid ★★ Interesting ★★★ Seriously good ★★★★ A truly great car ★★★★★



Our Choice
BMW M5. The turbocharging of BMW's M-cars met with scepticism, but the current M5's 4.4-litre twin-turbo V8 feels a perfect fit. It's a brutally fast car, and there are clever (and useable) adjustable driving modes. It looks cool, too. The best big saloon is now even hetter



Best of the RestMercedes' AMG department is on a roll right now: the 6.2-litre C63 is superb as either saloon or estate, likewise the E63. Jaguar's showy XFR-S (left) has a particularly impressive chassis, while the latest Alpina D3 Biturbo is not only the world's fastest diesel production car, but a great handler too.

Saloons / Estates / 4x4s

Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	CO2g/km	EC mpg	evo rating	
Alfa Romeo 156 GTA	045 R	'02-'06	6/3179	247/6200	221/4800	1410kg	180	6.3	-	155	-	23.3	+ Noise, pace and individuality - Front-drive chassis can't keep up	***
Alpina D3 Biturbo (F30)	192 D	£46,950	6/2993	345/4000	516/1500	1510kg	232	4.6	-	173	139	53.3	+ 173mph from a 3-litre diesel! Brilliant chassis, too - Auto only	****
Alpina B3 Biturbo (F30)	188 D	£54,950	6/2979	404/5500	442/3000	1535kg	267	4.2	-	190	177	37.2	+ Understated appearance, monster performance - E90 M3 is better on the limit	****
Alpina D3 (E90)	120 R	'08-'12	4/1995	211/4000	332/2000	1495kg	143	6.9	-	152	-	52.3	+ Excellent chassis, turbodiesel oomph - Rather narrow powerband	****
Alpina B5 Biturbo	149 D	£75,150	8/4395	533/5200	538/2800	1845kg	293	4.5	-	198	244	26.9	+ Big performance and top-line luxury - Driver not really involved	***
Alpina B5 S	118 D	'07-'10	8/4398	523/5500	535/4750	1720kg	309	4.5	-	197	-	23.0	+ Quicker and more exclusive than the E60 M5 - Suspension has its limits	****
Alpina B7 Biturbo	134 D	£98,800	8/4395	533/5200	538/2800	1965kg	276	4.6	-	194	230	28.5	+ Massive performance and top-line luxury - Feels its weight when hustled	****
Aston Martin Rapide S	182 D	£146,035	12/5935	550/6000	457/5000	1990kg	281	4.9	-	190	332	19.9	+ Performance, soundtrack, looks - Small in the back, brakes lacking	****
Aston Martin Rapide	141 R	'10-'13	12/5935	470/6000	443/5000	1990kg	240	5.2	-	188	355	-	+ Better than its DB9 sibling - More a 2+2 than a proper four-seater	****
Audi S3 Saloon	192 D	£33,240	4/1984	296/5500	280/1800	1430kg	210	5.3	-	155	162	26.4	+ On paper a match for the original S4 - In reality much less interesting	***
Audi S4 (B8)	166 D	£39,020	6/2995	328/5500	324/2900	1685kg	198	4.9	-	155	190	34.9	+ Great powertrain, secure chassis - The new RS4 is here now	****
Audi S4 (B7)	073 D	'05-'08	8/4163	339/7000	302/3500	1700kg	206	5.4	-	155	-	-	+ Effortless V8, agile handling - Lacks ultimate finesse of class leaders	***
Audi RS4 Avant (B8)	192 R	£56,525	8/4163	444/8250	317/4000	1795kg	251	4.5	10.5	174	249	26.4	+ Looks and sounds the part, thunderously fast - Harsh ride, unnatural steering	****
Audi RS4 (B7)	088 R	'06-'08	8/4163	414/7800	317/5500	1650kg	255	4.5	10.9		-	-	+ 414bhp at 7800rpm! And there's an estate version too - Busy under braking	****
Audi RS4 (B5)	192 R	'00-'02	6/2671	375/6100	325/2500	1620kg	236	4.8	12.1	170		17.0	+ Effortless pace - Not the last word in agility. Bends wheel rims	****
Audi RS2	101 R	'94-'95	5/2226	315/6500	302/3000	1595kg	201	4.8	13.1	162	-	18.0	+ Storming performance (thanks to Porsche) - Try finding one	****
Audi S6	091D	'06-'11	10/5204	429/6800	398/3000	1910kg	228	5.2	-	155	299	22.4	+ Even faster, and discreet with it - Very muted V10	****
Audi RS6 Avant (C7)	193 D	£76.985	8/3993	552/5700	516/1750	1935kg	290	3.6	8.2	155	229	28.8	+ Performance, foolproof powertrain, looks - Torque converter gearbox, gloopy steering	****
Audi RS6 Avant (C6)	116 R	'08-'10	10/4991	572/6250	479/1500	2025kg	287	4.3	9.7	155	333	20.2	+ The world's most powerful estate - Power isn't everything	****
Audi RS6 Avant (C5)	052 R	'02-'04	8/4172	444/5700	413/1950	1865kg	242	4.8	11.6	155	-	19.3	+ The ultimate estate car? - Numb steering	****
Audi RS7	190 D	£83,495	8/3993	552/5700	516/1750	1920kg	292	3.9	-	155	229	28.8	+ Stonking performance, great looks - Numb driving experience	***
Audi S7	171 D	£62,330	8/3993	414/5000	406/1400	1945kg	216	4.6	-	155	225	20.0	+ Looks and drives better than S6 it's based on - Costs £8000 more	****
Audi S8	164 D	£79,900	8/3993	513/5800	479/1700	1975kg	264	4.1	-	155	237	27.7	+ Quicker and much more economical than before - But still underwhelming to drive	***
Audi RS Q3	194 R	£43.000	5/2480	306/5200	310/1500	1655kg	188	5.5		155	206	32.1	+ More enjoyable than many RS Audis - Used Cayennes and ML63s are similar money	****
Audi 07 V12 TDI	124 D	'08-'12	12/5934	493/3750	737/1750	2635kg	190	5.5 5.1	12.2	155	298	25.0	+ Undeniably quick, relatively economical - A tad ostentatious	
		£150,900	12/5998	616/6000	590/1600			4.3	- 12.2	200	343	19.0		****
Bentley Continental Flying Spur	185 D					2475kg	253						+ More power than old Flying Spur Speed - Feels its weight; engine sounds dull	****
Bentley Continental Flying Spur Speed	141 R	'08-'12	12/5998	600/6000	553/1750	2440kg	250	4.6	-	200	396	16.6	+ 600bhp; surprisingly fun handling - Could look a bit more like it goes	****
Bentley Mulsanne	178 F	£225,900	8/6752	505/4200	752/1750	2585kg	198	5.1	-	184	393	16.7	+ Drives like a modern Bentley should - Shame it doesn't look like one too	****
BMW 320d (F30)	168 R	£28,775	4/1995	181/4000	280/1750	1495kg	123	7.4	-	146	120	61.4	+ Fleet-friendly new Three is economical yet entertaining - It's a tad noisy	****
BMW 328i (F30)	165 D	£29,765	4/1997	242/5000	258/1250	1430kg	172	5.8		155	149	44.8	+ New-age four-pot 328i is great all-rounder - We miss the six-cylinder soundtrack	****
BMW 330d M Sport (F30)	180 D	£36,975	6/2993	254/4000	413/2000	1540kg	168	5.6	-	155	129	57.6	+ Great engine, fine handling, good value - Steering confuses weight with feel	****
BMW M3 (E90)	123 R	'08-'11	8/3999	414/8300	295/3900	1605kg	262	4.9	10.7	165	290	22.8	+ Every bit as good as the E92 M3 coupe - No carbon roof	****
BMW M3 CRT (E90)	179 R	'11-'12	8/4361	444/8300	324/3750	1580kg	285	4.4	-	180	295	-	+ Saloon chassis + weight savings + GTS engine = best E90 M3 - Just 67 were made	****
BMW 335i M Sport (E90)	134 R	'05-'11	6/2979	302/5800	295/1300	1535kg	200	5.6	-	155	196	31.0	+ Stunning drivetrain, controlled chassis - Looks a bit steady	****
BMW 528i (F10)	164 D	£36,565	4/1997	242/5000	258/1250	1710kg	144	6.2	-	155	152	41.5	+ Four-pot 528 is downsizing near its best - You'll miss the straight-six sound effects	****
BMW 535i (F10)	141 D	£44,555	6/2979	302/5800	295/1200	1685kg	182	6.1	-	155	185	34.9	+ New 5-series impresses But only with all the chassis options ticked	***
BMW M5 (F10M)	165 R	£73,940	8/4395	552/6000	501/1500	1870kg	300	4.3	-	155	232	28.5	+ Twin-turbocharging suits all-new M5 well - Can feel heavy at times	****
BMW M5 Touring (E60)	105 R	'07-'10	10/4999	500/7750	383/6100	1780kg	285	4.8	-	155	-	19.3	+ Brilliant at ten tenths - Feels slightly clumsy when pottering	****
BMW M5 (E60)	129 R	'04-'10	10/4999	500/7750	384/6100	1755kg	289	4.7	10.4	155	-	19.6	+ Close to being the ultimate supersaloon - SMG gearbox feels old-tech	****
BMW M5 (E39)	110 R	'99-'03	8/4941	394/6600	369/3800	1795kg	223	4.9	11.5	155	-	-	+ Magnificent V8-engined supersaloon - We'd be nit-picking	****
BMW M5 (E34)	110 R	'92-'96	6/3795	340/6900	295/4750	1653kg	209	5.9	13.6	155	-	-	+ The Godfather of supersaloons - The family can come too	****
BMW M5 (E28)	182 R	'86-'88	6/3453	282/6500	251/4500	1431kg	200	6.2	-	151	-	-	+ The original storming saloon- Understated looks	****
BMW M6 Gran Coupe	190 D	£98,125	8/4395	552/6000	501/1500	1875kg	299	4.2	-	155	232	28.5	+ Enormous performance, stylish looks - Price tag looks silly next to rivals, M5 included	★★★☆
BMW X5 M50d	191 D	£63,715	6/2993	376/4000	546/2000	2190kg	155	5.3	-	155	177	42.2	+ Straight-line pace - Driving experience identical to standard X5, despite the M badge	***
BMW X6 xDrive 50i	118 D	£58,880	8/4395	408/5500	442/1750	2190kg	186	5.4	-	155	292	22.6	+ Stunningly good to drive - Will you want to be seen arriving?	****
BMW X6M	134 D	£86,680	8/4395	547/6000	502/1500	2305kg	241	4.7	-	171	325	20.3	+ Fast, refined and comfortable - But it definitely lacks the M factor	***
BMW 750i	174 D	£71,505	8/4395	449/5500	480/2000	2020kg	226	4.7	-	155	199	-	+ Well specced, impressively refined - Lags far behind the Mercedes S-class	****
Brabus Bullit	119 R	c£330,000	12/6233	720/5100	811/2100	1850kg	395	3.8	-	217	-	-	+ Seven hundred and twenty bhp - Three hundred thousand pounds	****
Cadillac CTS-V	148 R	£67,030	8/6162	556/6100	551/3800	1928kg	293	3.9	-	191	365	18.1	+ It'll stand out among M-cars and AMGs - But the novelty might wear off	****
Ford Mondeo ST220	043 D	'02-'07	6/2967	223/6150	204/4900	1550kg	146	6.8	-	151	-	27.7	+ Muscular engine, fine chassis - Hotted-up repmobile image	****
Ford Sierra RS Cosworth 4x4	141 R	'90-'93	4/1993	220/6250	214/3500	1305kg	159	6.6	-	144	-	24.4	+ Fast and furious - Try finding a straight one	****
Ford Sierra RS Cosworth		'86-'90	4/1993	204/6000	204/4500	1220kg	169	6.2	-	143	-	-	+ Roadgoing Group A racecar - Don't shout about the power output!	****
Honda Civic Type-R *	108 D	'07-'10	4/1998	222/8000	158/6100	1252kg	180	5.9	-	150	-	-	+ Screaming engine, razor-sharp chassis - Specialist import only	****
Honda Accord Type-R	012 R	'99-'03	4/2157	209/7200	158/6700	1306kg	163	6.1	17.4	142	-	29.4	+ One of the finest front-drivers of all time - Lack of image	****
Infiniti Q50S Hybrid	195 D	£40,000	6/3498	359/6800	402/5000	1750kg	208	5.1	-	155	144	45.6	+ Good powertrain, promising chassis - Lacklustre steering, strong rivals	***
Jaguar XF 3.0 V6 Diesel S	145 D	£46,610	6/2993	271/4000	443/2000	1695kg	162	5.9	-	155	159	47.1	+ Sweet handling plus diesel economy - But we'd still have the R	****
Jaguar XF Sportbrake 3.0 V6 Diesel S	177 D	£49.110	6/2993	271/4000	443/2000	1695kg	153	6.1	-	155	163	46.3	+ Looks and drives better than the saloon - Pity there's no Sportbrake R	****
		£48,495	6/2995	335/6500	332/3500	1695kg	201	5.7	-	155	224	29.4	+ Fast, comfortable, refined - Bland engine, poor economy compared to diesel V6	***
Jaguar XF 3.0 V6 Supercharged	178 D													

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Saloons / Estates / 4x4s

	Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	CO2 g/km	EC mpg	evo rating	
	Jaguar XFR-S	187 R	£79,995	8/5000	542/6500	502/2500	1912kg	288	4.4	-	186	270	24.4	+ XF gets turned up to 12 - Except for the soundtrack	****
	Jaguar XJ 3.0 V6 Diesel	148 D	£56,865	6/2993	271/4000	442/2000	1700kg	162	6.0	-	155	167	46.3	+ A great Jaguar - But not as great as the XJR	****
	Jaguar XJR	191 D	£92,370	8/5000	542/6500	502/2500	1805kg	302	4.4	-	174	270	24.4	+ Hot-rod vibe, fine cabin - Opinion-dividing looks	****
	Jaguar XJR	054 R	'03-'09	8/4196	400/6100	408/3500	1665kg	244	5.0	-	155	-	23.0		****
	Lamborghini LM002 Lexus IS-F	016 R 151 R	'86-'89 £58,416	12/5167 8/4969	450/6800 417/6600	369/5200 372/5200	2700kg 1714kg	169 247	4.7	10.9	130 173	270	24.4	+ Craziest 4x4 ever, Countach V12 - Craziest 4x4 ever + Shockingly good Lexus - The M3's available as a (second hand) four-door too	****
	Lotus Carlton	170 R	'91-'93	6/3615	377/5200	419/4200	1658kg	231	4.8	10.9	176	-	17.0	+ The Millennium Falcon of saloon cars - Every drive a work-out	****
0	Maserati Ghibli	186 D	£52,275	6/2979	326/5000	406/1750	1810kg	183	5.6	-	163	223	29.4	+ Bursting with character; good value compared to Quattroporte - It's still a big car	****
П	Maserati Quattroporte S	184 D	£80,095	6/2979	404/5500	406/1750	1860kg	221	5.1	-	177	244	26.9	+ Tempting alternative to V8 - Feel-free steering, secondary ride lacks decorum	****
	Maserati Quattroporte GTS	179 D	£108,160	8/3798	523/6800	479/2250	1900kg	280	4.7	-	191	274	23.9	+ Performance, sense of occasion - Lacks the charisma and edge of its predecessor	****
	Maserati Quattroporte S	137 R	'08-'12	8/4691	425/7000	361/4750	1990kg	216	5.1	12.1	174	365	18.0	+ A QP with the bhp it deserves - Grille is a bit Hannibal Lecter	****
	Maserati Quattroporte Sport GTS	141 R	'08-'12	8/4691	433/7000	361/4750	1990kg	221	5.1	-	177	365	18.0	+ The most stylish supersaloon - Slightly wooden brakes, unforgiving ride	****
	Maserati Quattroporte Maserati Quattroporte Sport GTS	085 R 113 D	'04-'08 '07-'08	8/4244 8/4244	394/7000 396/7000	333/4500 339/4250	1930kg 1930kg	207 208	5.1 5.5	-	171 167	-	17.9	+ Redefines big-car dynamics - Don't use auto mode + Best Quattroporte chassis so far - More power wouldn't go amiss	****
	Mercedes-Benz 190E 2.5-16	185 F	'89-'92	4/2498	201/6750	177/5500	1360kg	147	7.2	-	142	-	24.4		****
	Mercedes-Benz CLA45 AMG	186 D	£42,265	4/1991	355/6000	332/2250	1510kg	239	4.6	-	155	161	31.0	+ Strong performance, classy cabin - Pricey compared to A45 AMG hatchback	***
	Mercedes-Benz C63 AMG	151 R	£57,275	8/6208	451/6800	442/5000	1655kg	277	4.4	9.7	160	280	23.5	+ Monstrous pace and extremely engaging - M3's just a little better	****
	Mercedes-Benz C55 AMG	088 R	'04-'08	8/5439	367/5250	376/4000	1635kg	228	5.2	-	155	-	23.7	+ Furiously fast, commendably discreet - Overshadowed by M3 and RS4	****
	Mercedes-Benz E63 AMG	187 D	£74,095	8/5461	549/5500	531/1750	1770kg	315	4.2	-	155	230	28.8	+ Power, response and accuracy in spades - A little lacking in originality	****
	Mercedes-Benz E63 AMG	165 R	71-13	8/5461	518/5250	516/1750	1765kg	298	4.2	-	155	230	28.8	+ Turbo engine doesn't dilute E63 experience - Sometimes struggles for traction	****
	Mercedes-Benz E63 AMG Mercedes-Benz E55 AMG	096 D 052 R	'06-'09 '03-'06	8/6208 8/5439	507/6800 476/6100	464/5200 516/2650	1765kg 1760kg	292 271	4.5 4.8	10.2	155 155	-	19.8 21.9	+ Brilliant engine, indulgent chassis - Vague steering, speed limits + M5-humbling grunt, cosseting ride - Speed limits	****
	Mercedes-Benz E55 AMG	UJZK	'98-'02	8/5439	354/5500	390/3000	1/60kg 1642kg	219	5.5	10.2	155	-	23.0	+ Mo-numbling grunt, cosseting ride - Speed limits + Dragster disguised as a limo - Tyre bills	****
	Mercedes-Benz S63 AMG L	191 D	£119,575	8/5461	577/5500	664/2250	1995kg	294	4.4	-	155	237	27.9	+ Monster pace - Average steering feel	****
	Mercedes-Benz S63 AMG	148 D	70-'13	8/5461	536/5500	590/2000	2040kg	267	4.5	-	155	244	26.9	+ Massive torque, massively reduced emissions - Massive car	****
	Mercedes-Benz S65 AMG	098 R	'06-'13	12/5980	604/4750	737/2000	2185kg	281	4.4	-	155	334	19.8	+ God's own supersaloon - Unholy price and thirst	****
	Mercedes-Benz CLS63 AMG	178 R	£81,930	8/5461	518/5250	516/1700	1795kg	293	4.4	-	155	231	28.5	+ Monster performance, 549bhp an option - Not as desirable as a Bentley or Aston	****
	Mercedes-Benz CLS63 AMG	099 R	'06-'11	8/6208	507/6100	464/2650	1905kg	270	4.5	-	155	345	19.5	+ Beauty, comfort, awesome performance - M5 has the edge on B-roads	****
	Mercedes-Benz ML63 AMG Mercedes-Benz G63 AMG	176 R 172 D	£84,125 £123,975	8/5461 8/5461	518/5250 537/5500	516/1750 560/2000	2270kg 2475kg	232	4.7 5.4	-	155 130	276 322	23.9	+ Great engine, surprisingly good dynamics - £85K buys a Boxster and an ML350	****
	Mitsubishi Evo X FQ-300 SST	118 R	£31,349	4/1998	290/6500	300/3500	1590kg	185	5.4	13.9	155	256	26.2	+ It exists; epic soundtrack - Ancient chassis, silly price + Evo gets twin-clutch transmission - Not as exciting as it used to be	****
	Mitsubishi Evo X FQ-360	122 D	£38,559	4/1998	354/6500	363/3500	1560kg	231	4.1	- 10.5	155	328	19.9	+ Ridiculously rapid new Evo - A five-speed gearbox?!	****
	Mitsubishi Evo X FQ-330 SST	134 R	'08-'12	4/1998	324/6500	322/3500	1590kg	207	4.4	-	155	256	-	+ Great engine and gearbox combo - It still lives in the shadow of the Evo IX	****
	Mitsubishi Evo X FQ-400	181 R	'09-'10	4/1998	403/6500	387/3500	1560kg	262	3.8	-	155	328	-	+ Most powerful factory Evo everabout X grand too much when new	***
	Mitsubishi Evo IX FQ-340	088 R	'05-'07	4/1997	345/6800	321/4600	1400kg	250	4.3	10.9	157	-	-	+ Gives Porsche drivers nightmares - Points. Lots of	****
	Mitsubishi Evo IX MR FQ-360	181 R	'05-'07	4/1997	366/6887	363/3200	1400kg	266	3.9	-	157	-	-	+ Well-executed engine upgrades - Prison food	****
	Mitsubishi Evo VIII Mitsubishi Evo VIII MR FQ-300	055 R 057 R	'03-'04 '03-'05	4/1997 4/1997	276/6500 305/6800	289/3500 289/3500	1410kg 1400kg	199 221	5.1 4.8	-	157 157	-	20.5	+ The Evo grows up - Brakes need beefing up + Extra pace, extra attitude - Extra money	****
	Mitsubishi Evo VII	031 R	'02-'03	4/1997	276/6500	282/3500	1360kg	206	5.0	13.0	140		20.3	+ Terrific all-rounder - You tell us	****
	Mitsubishi Evo VII RS Sprint	041D	'02-'03	4/1997	320/6500	327/6200	1260kg	258	4.4	-	150	-	-	+ Ruthlessly focused road weapon - For the truly committed	****
	Mitsubishi Evo VIRS Sprint	011 R	'99	4/1997	330/6500	323/3000	1255kg	267	4.5	11.8	145	-	-	+ Lighter, keener, quicker than regular Evo - A little uncompromising	****
	Mitsubishi Evo VI Mäkinen Edition	181 R	'00-'01	4/1997	276/6500	275/2750	1365kg	205	4.6	-	150	-	-	+ Our favourite Evo - Subtle it is not	****
	Porsche Panamera 4S	186 D	£85,721	6/2997	414/6000	383/1750	1870kg	225	4.8	-	177	208	31.7	+ Strong performance and typically fine Porsche chassis - Misses characterful V8 of old 'S'	****
	Porsche Panamera GTS	168 D	£93,175	8/4806	430/6700	383/3500	1920kg	228	4.4	-	179	251	26.4	+ Sharper chassis; more urgent and vocal V8 - A BMW M5 is £17K less	****
	Porsche Panamera Turbo Porsche Panamera Turbo S	137 R 159 D	£107,903 71-13	8/4806 8/4806	493/6000 542/6000	516/2250 590/2250	1970kg 1995kg	254 276	3.6 3.7	8.9	188 190	270 270	24.6	+ Fast, refined and dynamically sound - It still leaves us cold + Pace, excellent ergonomics - Steering feel, ride	****
	Porsche Macan Turbo	194 R	£59,300	6/3604	394/6000	406/1350	1995kg	208	4.8	-	165	208	30.7	+ Doesn't feel like an SUV - Still looks like one	****
	Porsche Cayenne GTS (Mk2)	173 D	£68,117	8/4806	414/6500	380/3500	2085kg	202	5.6	-	162	251	26.4	+ Dynamically the best SUV on sale - At two tons, it's still no sports car	****
	Porsche Cayenne Turbo (Mk2)	144 D	£89,324	8/4806	493/6000	516/2250	2170kg	231	4.7	-	173	270	24.6	+ Greener, faster, better - Odd rear styling, numb steering	****
	Porsche Cayenne Turbo S (Mk2)	184 D	£107,784	8/4806	542/6000	553/2250	2215kg	249	4.5	-	175	270	24.6	+ Near-identical power and torque to a Zonda C12S - In an SUV	****
	Porsche Cayenne Turbo (Mk1)	104 R	'06-'10	8/4806	494/6000	516/2250	2355kg	213	4.7	11.4	171	-	19.0	+ Appears to defy physics - Still cracks mirrors at 50 paces	****
	Range Rover Evoque Coupe Si4	160 D	£46,650	4/1999	237/6000	251/1900	1670kg	144	7.0	-	135	199	-	+ Striking looks, sporting dynamics - Hefty price, and petrol version is auto-only	****
	Range Rover Sport V8 Supercharged Range Rover Sport V8 Supercharged	186 D 135 D	£81,550 '09-'12	8/4999 8/5000	503/6000 503/6000	460/2500 461/2000	2335kg 2590kg	219 200	5.0 5.9	-	155 140	298 348	22.1 19.0	+ Deceptively quick and capable sports SUV - It's still got a weight problem + Thumpingly fast and hugely comfortable - It's no Cayenne in the corners	****
	Range Rover SDV8	180 D	£78,120	8/4367	334/3500	516/1750	2360kg	144	6.5		140	229	32.5	+ Lighter, more capable, even more luxurious - Diesel V6 model feels more alert	****
	Range Rover V8 Supercharged	134 D	'09-'12	8/5000	503/6000	461/2000	2710kg	189	5.9	-	140	348	19.0	+ Fast, comfortable, luxurious - Big, heavy, thirsty	****
	Rolls-Royce Ghost	186 D	£170,250	12/6592	563/5250	575/1500	2360kg	242	4.7	-	155	317	20.8	+ It's quicker than you think - It's more enjoyable driven slowly	****
	Rolls-Royce Phantom	054 R	£276,275	12/6749	453/5350	531/3500	2560kg	180	5.7	-	149	377	18.0	+ Rolls reinvented for the 21st Century - The roads are barely big enough	****
	Subaru WRX STI	151 D	70-73	4/2457	296/6000	300/4000	1505kg	200	5.1	-	158	243	26.9		****
	Subaru Impreza WRX GB270	109 D	'07	4/2457	266/5700	310/3000	1410kg	192	5.2	-	143	-	-	+ Fitting final fling for 'classic' Impreza - End of an era	****
	Subaru Impreza STI	090 R	'05-'07	4/2457	276/6000	289/4000	1495kg	188	5.3	-	158	-	25.9	+ Stunning to drive - Not so stunning to look at	****
	Subaru Impreza STI Spec C * Subaru Impreza RB320	084 D 105 R	'05-'07 '07	4/1994 4/2457	320/6730 316/6000	311/3500 332/3750	1350kg 1495kg	240 215	4.3	-	157 155	-	-	+ Lighter, faster, fiercer - The need for self-restraint + Fitting tribute to a rallying legend - Too hardcore for some?	****
	Subaru Impreza WRX STI PPP	073 R	'03-'05	4/1994	300/6000	299/4000	1470kg	207	5.2	12.9	148	-	-	+ A Subaru with real edge - Bit too edgy in the wet	****
	Subaru STi Type RA Spec C *	067R	'03-'05	4/1994	335/7000	280/3750	1380kg	247	4.3	11.1	160	-	-	+ Best Impreza since the P1- Lost its throbby flat-four voice	****
	Subaru Impreza WR1	067R	'04-'05	4/1994	316/5800	310/4000	1470kg	218	5.3	13.1	155	-	-	+ Most powerful official UK Impreza until RB320 - Spec C is better	****
	Subaru Impreza Turbo	011 R	'98-'00	4/1994	215/5600	214/4000	1235kg	177	5.4	14.6	144	-	27.2	+ Destined for classic status - Thirsty	****
	Subaru Impreza P1	067R	'00-'01	4/1994	276/6500	260/4000	1283kg	219	4.9			-	25.0		****
	Subaru Impreza RB5 (PPP)	187 R	'99	4/1994	237/6000	258/3500	1235kg	195	5.0	14.1	143	-	-	+ Perfect blend of poise and power - Limited numbers	****
	Subaru Impreza 22B	188 R	'98-'99	4/2212	276/6000	265/3200	1270kg	220	5.0	13.1	150	-	-	+ The ultimate Impreza - Doesn't come cheap	****
d	Tesla Model S Performance	195 D	£69,080	310kW	416	442/0	2100kg	201	4.2	-	130	2/0	26.6	+ Intoxicating performance, soothing refinement - Generic styling, charging limitations	****
	Vauxhall Insignia VXR SuperSport Vauxhall Vectra VXR	189 D 102 D	£29,749 '06-'09	6/2792 6/2792	321/5250 276/5500	321/5250 262/1800	1825kg 1580kg	179 177	5.6 <i>6.1</i>	-	170 161	249	26.6 27.4	+ A 170mph Vauxhall - Should be a more engaging steer + Great engine, effortless pace, good value - Numb steering, lumpy ride	****
	Vauxhall VXR8 GTS	187 D	£54,499	8/6162	576/6150	545/3850	1881kg	311	4.2	-	155	363	18.5	+ Brawn, pace, character - Frustrating chassis settings; it's nearly C63 money	****
Ĩ	Vauxhall VXR8 GTS	160 R	711-113	8/6162	425/6000	406/4600	1831kg	236	4.9	-	155	320	20.9		****
	Vauxhall VXR8 Bathurst S	148 R	'09	8/6162	564/6000	527/4000	1866kg	307	4.6	10.7	155	-	-	+ A tauter VXR8. Bonkers pace, brilliant noise - Gearchange still rubbish	****
	Volvo S60 Polestar	179 D	£40,160	6/2953	324/5250	354/5250	1716kg	192	5.5	-	155	231	28.5	+ Capable of swift, smooth progress - Swift and smooth doesn't mean fun	***



Subaru Impreza WRX STI

Years 2007-12 Engine Flat-four, 2457cc, turbo Power 296bhp @ 6000rpm Torque 300lb ft @ 4000rpm 0-60mph 4.8sec Top speed 155mph (spec is for STI Type UK)



WHY WOULD YOU?

Subaru isn't bringing the new Impreza to the UK, so the third-gen STI is the last of the breed. It boasts 296bhp and a host of drivetrain tech (DCCD, VDC, SI-Drive), and is available in hatch or saloon forms, the latter from 2010 onwards.

WHAT TO PAY

High-mileage '07/'08 STIs start at £12k. £16k-18k is where you'll find a good choice of '08/'09 cars.

WHAT TO LOOK OUT FOR

Early STIs have a reputation for lunching motors due to flaws in the engine mapping combined with a weakness in the pistons. Most ECUs were reflashed as a service item, but warning signs are acceleration flat spots and smoke on start-up. If in doubt, get a compression leak-down test. A loud clicking noise from the engine points to a bearing failure. (Full guide, **evo** 191.)



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Our Choice

Audi R8 Spyder. The Spyder boasts supercar looks, presence and performance, yet you really could drive one every day. The V8 has a sweet engine and great dynamics, but if money's no object, we'd be seriously tempted by the equally brilliant V10.



Best of the RestThe mk3 Porsche Boxster S is a brilliant all-rounder, while the Lotus Exige S Roadster counters with a more focused driving experience. Jaguar's F-type also impresses in both S (left) and V8 S forms. Mazda's MX-5 is best for budget rear-drive fun, but for the ultimate thrills, get a Caterham 620R or Ariel Atom.

Sports Cars / Convertibles

Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	CO2g/km	EC mpg	evo rating	
Alfa Romeo 8C Spider	161 R	'09-'11	8/4691	450/7000	354/4750	1675kg	273	4.5		181		-	+ Beauty meets beast. They hit it off - Boot is useless for touring	****
Ariel Atom 3.5 Supercharged	180 D	£38.000	4/1998	310/8400	169/7200	550kg	573	2.7	-	155	-	-	+ As mad as ever - Rain	***
Ariel Atom Mugen	165 R	£55,000	4/1998	270/8300	188/6000	550kg	499	2.9	-	150	-	-	+ Perfect engine for the Atom's chassis - Only ten being made	****
Ariel Atom V8 500	165 R	£146,699	8/3000	475/10,500	284/7750	550kg	877	3.0	5.8	170	-	-	+ An experience unlike anything else on Planet Car - £150K for an Atom	****
Ariel Atom 3 245	113 D	'08-'12	4/1998	245/8200	155/5200	500kg	498	3.2	-	150	-	33.0	+ The Atom just got a little bit better - Can still be a bit draughty	****
Ariel Atom 3 Supercharged	138 R	'09-'12	4/1998	300/8200	162/7200	550kg	554	3.3	-	155	-	-	+ It's brilliant - It's mental	****
Ariel Atom 2 300 Supercharged	123 R	'03-'09	4/1998	300/8200	162/7200	550kg	554	3.3	-	155	-	28.0	+ Makes your face ripplelike Clarkson's	***
Ariel Atom 1	015 R	'99-'03	4/1796	125/5500	122/3000	496kg	256	5.6	18.0	115	-	-	+ Amazing styling, huge fun - As practical as a chocolate teapot	***
Aston Martin V8 Vantage Roadster	130 R	£95,080	8/4735	420/7000	346/5750	1710kg	250	4.7	-	180	328	20.4	+ Sportiest, coolest drop-top Aston in years - Starting to feel its age	***
Aston Martin V8 Vantage S Roadster	161 R	£105,080	8/4735	430/7300	361/5000	1690kg	258	4.6	-	189	299	21.9	+ Sounds amazing, looks even better - Still not the best drop-top in its class	***
Aston Martin V12 Vantage Roadster	175 R	£151,080	12/5935	510/6500	420/5750	1760kg	294	4.4	-	190	-	-	+ As good as the coupe, with amplified V12 rumble - Just a smidgen shakier	****
Aston Martin DB9 Volante	150 D	£143,080	12/5935	470/6000	443/5000	1815kg	263	4.6	-	190	368	18.2	+ Consummate cruiser and capable when pushed - Roof-up wind noise	****
Aston Martin DBS Volante	133 D	'09-'12	12/5935	510/6500	420/5750	1810kg	286	4.3	-	191	388	17.3	+ A feelgood car par excellence - It's a bit of a heavyweight	***
Audi TTS Roadster	122 D	£38,025	4/1984	268/6000	258/2500	1455kg	187	5.6	-	155	189	34.9	+ Effortlessly quick - Long-term appeal open to question; not cheap either	***
Audi TT RS Roadster	133 D	£48,140	5/2480	335/5400	332/1600	1510kg	225	4.7		155	212	31.0	+ Terrific engine is the best thing about it	***
Audi TT Roadster (Mk1 225bhp)	016 R	'00-'06	4/1781	225/5900	206/2200	1395kg	164	6.9	20.0	150	-	30.4	+ Winner on the King's Road - Trails Boxster on the open road	***
Audi S5 Cabriolet	130 D	£46,500	6/2995	328/5500	325/2900	1875kg	178	5.6		155	199	33.2	+ Gets the S4's trick supercharged engine - Bordering on dull	***
Audi RS5 Cabriolet	179 D	£68,985	8/4163	444/8250	317/4000	1920kg	235	4.9		155	249	26.4	+ Pace, looks, interior, naturally aspirated V8 - Not the last word in fun or involvement	***
Audi RS4 Cabriolet	094 D	'06-'08	8/4163	414/7800	317/5500	1845kg	228	4.9	-	155			+ That engine - Wibble wobble, wibble wobble, jelly on a plate	***
Audi R8 V8 Spyder	186 D	£101,360	8/4163	424/7900	317/6000	1660kg	259	4.8		187	337	19.6	+ More delicate and subtle than the V10 - The V10 sounds even better	****
Audi R8 V10 Spyder	185 R	£122,460	10/5204	518/8000	391/6500	1720kg	306	4.1	-	194 170	349	19.0	+ Sensational for the money - Not quite a rival for the 458 and 12C Spiders	****
BAC Mono	189 R	£101,940	4/2261	280/7700	206/6000	540kg	527	2.8			25.4	25.9	+ The most single-minded track car available - That means no passengers	****
Bentley Continental GT V8 Convertible	168 R	£136,250 £152,900	8/3993	500/6000	487/1700	2470kg	207	4.9	_	187	254 254	25.9	+ One of the world's best topless GTs - Still no sports car	***
Bentley Continental GT V8 S Convertible	194 D 187 D		12/5998	521/6000 616/6000	502/1700 590/1700	2470kg 2495kg	251	4.5	-	191 202	347	19.0	+ A true drivers' Bentley - Excessively heavy, feels like it could give more	****
Bentley Conti GT Speed Convertible Bentley Continental Supersports	147 D	£168,000 '10-'12	12/5998	621/6000	590/1/00	2495kg	263	3.9	-	202	388	17.3	+ Effortless performance, style - Running costs a tad on the high side	****
		10-12	12/5998	600/6000			245	4.5	-	202	396	17.0	+ Fast, capable and refined - Coupe does the Supersports thing better	***
Bentley Continental GTC Speed BMW Z4 sDrive 35i (Mk2)	131 D 186 D	£39,935	6/2979	302/5800	590/1750 295/1300	2485kg 1505kg	204	5.2	-	155	219	30.1	+ A great convertible just got better - Optional carbon brakes a necessity + Looks, hard-top versatility, drivetrain - Clumsy chassis is upset by ragged surfaces	****
BMW Z4 3.0si (Mk1)	094 D	106-109	6/2996	265/6600	232/2750	1310kg	204	5.7		155	219	32.9	+ Terrific straight-six - Handling not as playful as we'd like	****
BMW Z4 M Roadster	094 D	'06-'09	6/3246	338/7900	269/4900	1410kg	244	4.8		155		23.3	+ Exhilarating and characterful, that engine - Stiff suspension	****
BMW M Roadster	002 R	'98-'02	6/3246	325/7400	258/4900	1375kg	240	5.3		155		25.4	+ Fresh-air M3, that motor, hunky looks - M Coupe drives better	****
BMW 435i Convertible	194 D	£45.970	6/2979	302/5800	295/1200	1740kg	176	5.6	-	155	190	34.8	+ Impressive chassis, smart looks, neat roof - Extra weight, not as composed as coupe	****
BMW M3 Convertible (E93)	119 D	'08-13	8/3999	414/8300	295/3900	1810kg	232	5.3		155	297	22.2	+ MDCT transmission, pace, slick roof - Extra weight blunts the edge	****
BMW M3 Convertible (E46)	035 D	'01-'06	6/3246	338/7900	269/5000	1655kg	207	5.3		155	- 201	23.3	+ That engine - Gets the wobbles on British B-roads	****
BMW M6 Convertible	098 D	'06-'10	10/4999	500/7750	384/6100	1930kg	264	4.8	-	155	352	19.2	+ Composure, grip, power, comfort - Steering lacks feel at low speed	****
BMW Z8	026 R	'00-'03	8/4941	400/6600	369/3800	1585kg	256	4.8	11.1	155	-	14.4	+ M5-powered super-sportster - M5's more fun to drive	***
Caterham Seven 160	190 R	£17,995	4/660	80/7000	79/3400	490kg	166	6.5		100	-	-	+ The fabulous Seven formula at its most basic - Gets pricey with options	****
Caterham Seven Roadsport 125	105 R	£22,995	4/1595	125/6100	120/5350	539kg	235	5.9	-	112	-	-	+ New Ford-engined model is just great - Bigger drivers need SV model	****
Caterham Seven Roadsport SV 175	140 D	£30,995	4/1999	175/7000	139/6000	555kg	321	4.8	-	138		-	+ The Caterham for everyday use, R300 engine - Loses intensity of R300	****
Caterham Seven Supersport	165 R	£24,495	4/1595	140/6900	120/5790	520kg	273	4.9	-	120		-	+ One of the best Caterhams is less than £20Kif you build it yourself	****
Caterham Seven Supersport R	180 D	£27,995	4/1999	180/7300	143/6100	535kg	342	4.8	-	130	-	-	+ The best road-and-track Seven yet - Impractical, noisy, uncomfortable	****
Caterham Seven Superlight R400	105 R	£35,995	4/1999	210/7800	152/5750	525kg	406	3.8	-	140	-	-	+ R400 reborn with (lots of) Ford power - Slightly hesitant low-rev pick-up	****
Caterham Seven Superlight R500	123 R	£42,495	4/1999	263/8500	177/7200	506kg	528	2.9	-	150	-	-	+ Better power-to-weight ratio than a Veyron - Until you add the driver	****
Caterham Seven CSR 260 Superlight	094 R	£44,995	4/2261	256/7500	200/6200	565kg	460	3.8	-	155	-	-	+ Brilliant for high days, holidays and trackdays - Wet Wednesdays	****
Caterham Seven 620R	187 R	£49,995	4/1999	311/7700	219/7350	545kg	580	2.8	-	155	-	-	+ Banzai on track, yet still relevant on the road - £50k for a Seven?	****
Caterham Levante	131 R	'09-'10	8/2398	550/10000	300/8500	520kg	1074	4.8	8.2	150	-	-	+ Twice the power-to-weight ratio of a Veyron! - Not easy to drive slowly	****
Caterham Seven Superlight R300	150 R	'09-'12	4/1999	175/7000	139/6000	515kg	345	4.5	-	140	-	-	+ Possibly all the Caterham you need - They're not cheap	****
Caterham Seven R300	068 R	'02-'06	4/1796	160/7000	130/5000	500kg	325	4.7	-	130	-	-	+ Our 2002 Trackday Car of the Year - Not for wimps	****
Caterham Seven R400	068 R	'03-'06	4/1796	200/7500	150/5750	490kg	415	3.9	-	140	-	-	+ Race-car with a number plate - Your missus will leave you	****
Caterham Seven R500	068 R	'99-'06	4/1796	230/8600	155/7200	460kg	510	3.6	8.8	146	-	-	+ Fine for the Nürburgring - Hard work around the Bullring	****
Caterham Seven R500 Evolution	069 R	'04	4/1998	250/8000	190/4000	460kg	552	3.9	8.1	150	-	-	+ Madder than Mad Jack McMad - Er, it's a bit mad	****
Chevrolet Corvette (C6)	083 D	'04-'13	8/6162	430/5900	424/4600	1460kg	300	4.3	-	186	316	21.2	+ Corvette performance - Convertible dynamics, electronics	***
Donkervoort D8 GTO Performance	185 R	£130,000	5/2480	375/5500	350/1750	695kg	548	2.8	-	168	-	-	+ There's nothing else like it - Pricey for a car with a five-cylinder engine	****
Ferrari California	171 D	£152,154	8/4297	483/7750	372/5000	1705kg	290	3.8	-	193	299	-	+ Revised with sharper performance and dynamics - We'd still take a 458 Spider	****
Honda S2000	118 D	'99-'09	4/1997	237/8300	153/7500	1260kg	191	6.2	-	150	-	28.2	+ An alternative and rev-happy roadster - The Boxster's better	****
Jaguar F-type Convertible	186 R	£58,520	6/2995	335/6500	332/3500	1597kg	213	5.3	_	161	209	31.4	+ Beautiful, enjoyable, responsive - Noticeably junior to the V6 S	***
Jaguar F-type S Convertible	183 R	£67,520	6/2995	375/6500	339/3500	1614kg	236	4.9	-	171	213	31.0	+ Better-damped and more rounded than the V8 S - A Boxster S is £20k cheaper	****
Jaguar F-type V8 S Convertible	183 R	£79,985	8/5000	488/6500	461/2500	1665kg	298	4.3	-	186	259	25.5	+ Wilder than the V6 S - Could be too exuberant for some	****
Jaguar XK 5.0 Convertible		£71,465	8/5000	380/6500	380/3500	1621kg	238	5.3	-	155	264	25.2	+ Basic XK gets extra powerbut loses some of its GT refinement	***
Jaguar XKR Convertible	130 R	£84,965	8/5000	503/6000	461/2500	1725kg	296	4.6	-	155	292	23.0	+ Gains Jag's fantastic new V8 - Loses sporting ground to its main foes	***
Jaguar XKR-S Convertible	167 R	£103,465	8/5000	542/6500	502/2500	1725kg	319	4.2		186	292	23.0	+ Loud and mad; most exciting Jag in years - It's also the most expensive in years	***
Jaguar XK	089 R	'06-'09	8/4196	294/6000	303/4100	1635kg	183	6.6	-	155	-	25.0	+ Every bit as good as the XK coupe - 294bhp still only just enough	***
Jaguar XKR		'06-'09	8/4196	414/6250	413/4000	1705kg	247	5.0	-	155	-	-	+ First Jag sports car for years - Overwrought detailing	***
Jaguar XKR	004 R	'97-'06	8/3996	370/6150	387/3600	1750kg	215	5.4	12.8	155	-	15.6	+ Hurricane-in-the-hair motoring - A danger to toupes everywhere	***
KTM X-Bow GT	183 D	c£74,000	4/1984	281/6400	310/3200	875kg	326	4.1	-	144	189	34.0	+ Extraordinary ability, now in a more road-friendly package - Price	***
KTM X-Bow R	165 R	£64,850	4/1984	296/5500	295/3300	818kg	368	3.6	-	144	-	-	+ Sharper handling, more power - Pity it's not even lighter, and cheaper	***
KTM X-Bow	138 R	'08-'12	4/1984	237/5500	229/2000	818kg	294	3.8	-	137	-	-	+ Mad looks; real quality feel - Heavier and pricier than you'd hope	****

master

'A pint-sized GT3, a bonsai RB5.' Fourteen years ago, Richard Meaden was rather taken with the FRP

Ford Racing Puma Issue 016, February 2000

'Just like the standard car, the Ford Racing Puma feels utterly together, the chassis always smooth and unflustered, the engine razor-sharp. The handling is deliciously fluid and malleable, allowing you so many options on the way in, through and out of the corner that you can always adjust the attitude of the car to suit the circumstances.

'But it's the pace, the sheer, dizzying unquenchable pace of the thing that leaves you breathless with excitement. Naturally, with a still-modest 153bhp, the Puma isn't blisteringly accelerative, but there's so much workable, enjoyable grip and such entertaining handling that even if you had 453bhp the straights would still be the boring bits.'





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Ratings

Sports Cars / Convertibles

Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft./rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	C02 g/km	EC mpg	evo rating	
Lotus Elise 1.6	144 D	£29,050	4/1598	134/6800	118/4400	876kg	155	6.0	-	127	149	45.0	+ New 1.6 Elise is light <i>and</i> fantastic - Smaller engine could put some off	****
Lotus Elise 1.6 Club Racer	183 R	£28,450	4/1598	134/6800	118/4400	852kg	160	6.0	-	127	149 175	45.0 37.5	+ Even lighter, even more focused - A touch pricey for a stripped-out Elise	****
Lotus Elise S Lotus Elise S Club Racer	172 R 189 D	£37,150 £35,600	4/1798 4/1798	217/6800 217/6800	184/4600 184/4600	924kg 905kg	239	4.2	-	145 145	175	37.5	+ New supercharged Elise boasts epic grip and pace - £37K before (pricey) options + Purist approach intensifies ability - Lightest, option-free spec requires commitment	****
Lotus Exige S Roadster	186 R	£52,900	6/3456	345/7000	295/4500	1166kg	301	4.0		145	236	28.0	+ Like the hard-top Exige S, but more road-friendly - Boxster S is a better all-rounder	****
Lotus Elise R	068 R	'04-'11	4/1796	189/7800	133/6800	860kg	223	5.6	13.9	150	196	34.4	+ Most thrillsome Elise vet - Blaring engine note	****
Lotus Elise SC	131 R	'08-'11	4/1794	218/8000	156/5000	870kg	254	4.5	11.4	148	199	33.2	+ All the usual Elise magic - Supercharged engine lacks sparkle	****
Lotus Elise S 1.8	104 R	'06-'10	4/1794	134/6200	127/4200	860kg	158	6.3	18.7	127	-	37.2	+ Brilliant entry-level Elise - Precious little	****
Lotus Elise S2 111S	049R	'02-'04	4/1796	156/7000	129/4650	860kg	197	5.1	-	131	-	40.9	+ A genuinely useable Elise - Air-con? In an Elise?	****
Lotus Elise S2 Sport 135	040 D	'03	4/1796	135/6200	129/4850	726kg	189	5.4	-	129	-	-	+ One of our fave S2 Elises - Brakes need more bite and pedal feel	****
Lotus Elise S2 Sport 190	044 R	'03	4/1796	190/7800	128/5000	710kg	272	4.7	12.1	135	-	-	+ Fabulous trackday tool - Pricey	****
Lotus Elise S1	126 R	'96-'00	4/1796	118/5500	122/3000	731kg	164	6.1	18.5	126	-	39.4	+ A modern classic - A tad impractical?	****
Lotus 2-Eleven Supercharged	123 R	'07-'11	4/1796	252/8000	179/7000	670kg	382	3.8	-	150	-	-	+ Impressive on road and track - Not hardcore enough for some	****
Lotus 2-Eleven GT4	138 R	'09-'11	4/1796	266/8200	179/7200	670kg	403	3.7	-	155	-	-	+ evo Track Car of the Year 2009 - It's a 76-grand Lotus with no roof	****
Lotus 2-Eleven Lotus 340R	126 R	'07-'11 '00	4/1796 4/1796	189/7800 190/7800	133/6800 146/5000	720kg	267 293	4.3 4.5	12.5	140 126	-	-	+ Not far off supercharged car's pace - Pricey once it's made road-legal + Hardcore road-racerthat looks like a dune buggy from Mars	****
Lotus Elan SE	126 R 095 R	'89-'95	4/1/96	165/6600	148/4200	658kg 1022kg	164	6.7	12.5	137	-	21.0	+ Hardcore road-racertriat looks like a durie buggy from mars + Awesome front-drive chassis - Rather uninvolving	****
Lotus Elan Sprint	126 R	71-73	4/1558	126/6500	113/5500	720kg	178	6.6	-	122	-	21.0	+ Sensational chassis, properly quick - Affording a mint one	****
Maserati GranCabrio	142 D	£98.315	8/4691	434/7000	332/4750	1980kg	223	5.3	-	176	358	18 3	+ As good to drive as it is to look at - Lacks the grunt of some rivals	****
Maserati GranCabrio Sport	161 D	£103,910	8/4691	444/7000	376/4750	1980kg	228	5.1	-	177	377	19.5	+ Looks, performance, cruising ability - Brakes could be sharper	****
Maserati GranCabrio MC	185 D	£111,710	8/4691	454/7000	383/4750	1973kg	234	4.9	-	179	337	19.5	+ Most powerful GranCabrio yet - The GranCabrio is starting to show its age	****
Mazda MX-5 1.8i SE (Mk3 v2)		£18,495	4/1798	124/6500	123/4500	1075kg	117	9.9	-	121	167	39.8	+ Basic MX-5 offers ESP-less fun - But you'll probably want the 2.0's power	****
Mazda MX-5 2.0i Sport Tech (Mk3 v2)	170 R	'09-'13	4/1999	158/7000	139/5000	1098kg	146	7.6	-	132	181	36.2	+ Handles brilliantly again - Less than macho image	****
Mazda MX-51.8i (Mk3 v1)	091 R	'05-'09	4/1798	124/6500	123/4500	1155kg	108	9.3	-	122	-	-	+ Gearchange, interior - Lost some of the charm of old MX-5s	****
Mazda MX-5 1.8i (Mk2)	017 R	'98-'05	4/1839	146/7000	124/5000	1065kg	140	8.6	-	123	-	32.5	+ Affordable ragtops don't get much better- Cheap cabin	****
Mazda MX-5 1.6 (Mk1)	131 R	'89-'97	4/1597	115/6500	100/5500	971kg	120	9.0	-	114	-	-	+ The original and still (pretty much) the best - Less than rigid	****
Mercedes-Benz SLK350 Sport	161 R	£44,600	6/3498	302/6500	273/3500	1465kg	209	5.5	-	155	167	39.8	+ Best non-AMG SLK yet - Still no Boxster-beater	****
Mercedes-Benz SLK55 AMG	186 R	£55,335	8/5461	416/6800	398/4500	1615kg	262	4.6	-	155	195	33.6	+ Quicker and more economical than ever - Needs to be sharper, too	***
Mercedes-Benz SLK55 AMG	087R	'05-'10	8/5439	355/5750	376/4000	1575kg	229	4.9		155	-	23.5	+ Superb engine, responsive chassis - No manual option, ESP spoils fun	****
Mercedes-Benz SLK55 AMG Black	110 R 169 D	'07-'08	8/5439	394/5750	383/3750	1495kg	268	4.9	11.2	174		21.0	+ AMG gets serious - Dull-witted 7G-Tronic auto box, uneven dynamics	****
Mercedes-Benz SL500 Mercedes-Benz SL63 AMG	171 D	£83,490 £110,785	8/4663 8/5461	429/5250 530/5500	516/1800 590/2000	1710kg 1770kg	255 304	4.6	-	155 155	212	31.0	+ Wafty performance, beautifully engineered - Lacks ultimate sports car feel + Monster performance, lighter than before - Still heavy, steering lacks consistency	****
Mercedes-Benz SL65 AMG	183 D	£168.285	12/5980	621/4800	737/2300	1875kg	336	4.0	-	155	270	24.4	+ Chassis just about deals with the power - Speed limits	****
Mercedes-Benz SL63 AMG	117 D	'08-'13	8/6208	518/6800	464/5200	1970kg	278	4.6		155	328	20.0	+ More focused than old SL55 AMG - Lost some of its all-round appeal	****
Mercedes-Benz SL55 AMG	070 R	'02-'07	8/5439	493/6100	516/2650	1955kg	256	4.6	10.2	155	-	-	+ As fast as a Murciélago - Not as much fun	****
Mercedes-Benz SL65 AMG	071 D	'04-''10	12/5980	604/4800	737/2000	2035kg	302	4.1	-	155	-	-	+ Gob-smacking performance - Gob-smackingly pricey	****
Mercedes-Benz SLS AMG Roadster	167 R	£176,985	8/6208	563/6800	479/4750	1660kg	345	3.7	-	197	308	21.4	+ Loses none of the coupe's talents - But (understandably) loses the gullwing doors	****
Mini John Cooper Works Convertible	130 R	£24,950	4/1598	208/6000	206/1850	1230kg	172	6.9	-	146	169	38.7	+ A manlier Mini cabrio. As hardcore as the hatchwhich is still better	****
Morgan 3 Wheeler	177 R	£30,000	2/1990	80/5300	103/3250	525kg	155	6.0	-	115	-	-	+ Quirky, characterful, brilliant - Unnatural brake feel; you'd better not be shy	****
Morgan Plus 8	171 R	£85,200	8/4799	362/6300	370/3600	1100kg	334	4.4	-	155	-	-	+ Hilarious mix of old looks and new mechanicals - Refinement is definitely old-school	★★★★ ☆
Morgan Aero SuperSports	145 R	£126,900	8/4799	362/6300	370/3600	1180kg	312	4.2	-	170	-	-	+ As above, with a V8 and targa top - It's proper supercar money	****
Morgan Aero 8	105 R	'02-'08	8/4799	362/6300	361/3400	1100kg	334	4.5	-	170	-	25.2	+ Glorious sound, view over bonnet, dynamics - Awkward-looking rear	****
Nissan 370Z Roadster	143 R	£36,495	6/3696	326/7000	269/5200	1554kg	213	5.5	-	155	262	25.2	+ The Zed's old-school character remains intact - Its purposeful looks don't	****
Nissan 350Z Roadster	470 D	'04-'09	6/3498	309/6600	264/4800	1600kg	196	5.8	-	155	-	24.8	+ Drives just like the coupe - But doesn't look as good	****
Porsche Boxster (981) Porsche Boxster S (981)	172 R 186 R	£38,237 £45,384	6/2706 6/3436	261/6700 311/6700	206/4500 265/4500	1310kg 1320kg	202	5.4 5.1	-	164 173	192 206	34.5 32.1	+ Goes & looks better; cleanest Boxster ever - Steering now electric to help cut CO2 + Boxster steps out of 911's shadow - But gets 911's less appealing new steering	****
Porsche Boxster (987)	100 K	'05-'12	6/2893	252/6400	214/4400	1320kg	192	5.9		163	221	30.0	+ Second-gen Boxster's as brilliant as ever - It's a typically Porsche redesign	****
Porsche Boxster S (987)	161 R	'05-12	6/3436	306/6400	265/5500	1355kg	229	5.3		170	223	29.7	+ As above, but with more power - Lighter steering than before	****
Porsche Boxster Spyder (987)	188 R	10-12	6/3436	316/7200	273/4750	1275kg	252	5.0	-	166	221	29.1	+ Lighter, more driver-centric Boxster - Collapsed-brolly roof not the most practical	****
Porsche Boxster (986)	049R	'99-'04	6/2687	228/6300	192/4700	1275kg	182	6.3	-	155	-	29.1	+ Still an impeccable sports car - Very little	****
Porsche Boxster S (986)	070 R	'99-'04	6/3179	260/6200	228/4700	1320kg	200	5.5	-	164	-	26.9	+ Added power is seductive - As above	****
Porsche 911 Carrera Cabriolet (991)	183 R	£82,072	6/3436	345/7400	288/5600	1450kg	242	5.0	-	178	217	30.7	+ Brilliant engine - Doesn't quite have the 'magic at any speed' character of previous 911s	****
Porsche 911 Carrera S Cabriolet (991)	171 R	£92,108	6/3800	394/7400	324/5600	1465kg	273	4.6	-	187	229	29.1	+ All-new open 911 drives just like the coupe - Which means the same artificial steering	****
Porsche 911 Turbo Cabriolet (997)	139 D	'07-'12	6/3800	493/6000	479/1950	1645kg	305	3.8	-	194	275	24.1	+ Absurdly quick and capable drop-top - We'd still take the coupe	****
Porsche 911 Turbo Cabriolet (996)	060 R	'03-'05	6/3596	414/6000	413/4600	1700kg	250	4.7	-	185	-	-	+ Faster than you'll ever need it to be - Just the image thing again	****
Radical SR3 SL	174 R	£69,850	4/2000	300/6000	265/4000	795kg	383	3.0	-	161	-	-	+ Our 2011 Track Car of the Year, and it's road-legal - You'll need to wrap up warm	****
Radical SR8LM	138 R	'09-'12	8/2800	460/10,500	260/8000	680kg	687	3.2	-	168	-	-	+ Fastest car around the Nordschleife - Convincing people it's road legal	****
Renault Sport Spider	183 R	'96-'99	4/1998	148/6000	136/4500	930kg	157	6.5	-	131	-	-	+ Rarity, fabulous unassisted steering feel - Heavier than you'd hope	****
Tesla Roadster	131 R	'08-'12	185kW	248/4500	273/0	1283kg	196	5.0	14.3	120	-	-	+ If this is the future, it's going to be fun - Limited range, high price	****
Toyota MR2	187 R	'00-'06	4/1794	138/6400	125/4400	975kg	141	7.2	21.2	130	-	38.2	+ Tight lines, taut dynamics - Minimal luggage space	****
TVR Tamora	070 R	'01-'07	6/3605	350/7200	290/5500	1050kg	338	4.5	- 01	160	-	-	+ Well-sorted soft-top TVR - Awkward styling	****
TVR Tuscan Convertible	091 R	'05-'07	6/3996	365/6800	315/6000	1100kg	337	3.8	8.1	195+	-	- 26 /	+ Spirit of the Griffreborn - Over 195mph? Really?	****
TVR Chimaera 5.0 TVR Griffith 4.3	007R 068R	'93-'03 '92-'93	8/4988 8/4280	320/5500 280/5500	320/3750	1060kg	307	4.6 4.8	11.2	167 148	-	26.4	+ Gorgeous noise, tarmac-rippling grunt - Details	****
TVR Griffith 4.3	068 R	'92-'93	8/4280	280/5500 320/5500	305/4000 320/3750	1060kg 1060kg	268 307	4.8	11.2	148	-	22.1	+ The car that made TVR. Cult status - Mere details + Gruff diamond - A few rough edges	****
Vauxhall VX220	009 R	'00-'04	8/4988 4/2198	145/5800	150/4000	875kg	168	5.6	11.2	136	-	34.4	+ Gruff diamond - A few rough edges + Absurdly good Vauxhall - The badge?	AAAAA
ναμλι ΙαΙΙ ΥΛΖΖΟ	UZJ K	00-04	4/2190	197/5500	184/1950	930kg	215	5.0 4.7	-	151		J4.4	+ Nothing comes close for the money - Marginal everyday usability	****









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Our Choice

Porsche 911 GT3. You might think the GT3's win at evo Car of the Year 2013 was a foregone conclusion, but neither of the last two GT3s (the 997.2 and 997.1) claimed an eCoty title. Yet the 991 managed it, and in a vintage year too (Ferrari F12, Merc SLS Black). Yes, it really is that good.



Best of the RestAston's V12 Vantage S (left) is a deeply well-sorted drivers' car. Porsche's second-gen Cayman S is a truly great all-rounder, or for similar money the Lotus Exige S is a proper road racer and was our joint 2012 Car of the Year. BMW's M235i, meanwhile, could be the perfect real-world M-badged car.

Coupes / GTs

	Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	CO2g/km	EC mpg	evo rating	
	Alfa Romeo Brera 3.2 V6	120 R	'08-'11	6/3195	256/6300	237/4500	1532kg	170	6.9		155	260	-	+ Brera made better for UK roads - Steering lacking some feel	****
	Alfa Romeo 4C	190 R	£45,000	4/1742	237/6000	258/2200	895kg	269	4.5	-	160	157	41.5	+ Carbonfibre tub, mini-supercar looks - Hot hatch engine, clunky gearbox	****
	Alfa Romeo 8C Competizione	120 R	'07-'09	8/4691	450/7000	354/4750	1585kg	288	4.1	-	181	-	-	+ Looks, exclusivity, noise, balance - They're all sold	****
	Alpina B3 Biturbo (E92)	108 R	'07-'13	6/2979	355/5500	369/3800	1570kg	230	4.8	-	177	-	29.1	+ Alpina's M3 alternative - Too refined for some	****
	Alpina B3 GT3 (E92)	176 D	'12-'13	6/2979	402/6000	398/4500	1535kg	266	4.4	-	186	224	-	+ Alpina's M3 GTS alternative - Auto gearbox frustrates when pressing on	****
	Aston Martin V8 Vantage	169 D	£86,080	8/4735	420/7000	346/5750	1630kg	262	4.7	-	180	328	20.4	+ 2012 upgrades keep the V8 Vantage on song - Starting to feel a little dated, though	****
	Aston Martin V8 Vantage S	168 R	£96,080	8/4735	430/7300	361/5000	1610kg	271	4.5	-	189	299	21.9	+ Keener engine, V12 Vantage looks - Slightly sluggish auto only	****
	Aston Martin V12 Vantage S	190 R	£138,000	12/5935	565/6750	457/5750	1665kg	345	3.7	-	205	-	-	+ The best car Aston Martin currently makes - Old-school automated 'box	****
	Aston Martin V12 Vantage	146 R	'09-'13	12/5935	510/6500	420/5750	1680kg	308	4.4	9.7	190	388	17.3	+ The car we hoped the V8 Vantage would be - Erm, a tad thirsty?	****
	Aston Martin V12 Zagato	181 F	'13	12/5935	510/6500	420/5750	1680kg	308	4.2	-	190	388	17.3	+ The looks, the noise, the way it drives - It's several times the price of a V12 Vantage	****
	Aston Martin DB9	178 R	£133,080	12/5935	510/6500	457/5500	1785kg	290	4.6	-	183	368	18.2	+ Better than the old DB9 in every respect - Automatic gearbox could be quicker	****
	Aston Martin DB9	146 D	'10-'12	12/5935	470/6000	443/5000	1760kg	271	4.6	-	190	368	18.2	+ Ride & handling improved for 2010 model - Rapide makes 2+2 seating pointless	****
	Aston Martin DBS	142 R	'07-'12 '00-'05	12/5935	510/6500	420/5750	1695kg	306	4.2		191 185	388	17.3	+ Stupendous engine, gearbox, brakes - Pricey. Can bite the unwary	****
	Aston Martin DB7 Vantage Audi TT 2.0 TFSI	010 R 155 R	£27,700	12/5935 4/1984	420/6000 208/4300	400/5000 258/1600	1770kg 1295kg	241 163	6.3	11.2 15.7	152	154	18.6 42.8	+ DB7 with near-supercar pace - Handling lacks edge + Front-driver loses nothing to quattro TTs - Steers like a computer game	****
	Audi TTS	193 R	£36,045	4/1984	268/6000	258/2500	1395kg	195	5.4	13.7	155	184	35.8	+ Usefully quicker TT; great drivetrain - Still steers like a computer game	****
	AudiTTRS	158 R	£46,300	5/2480	335/5400	332/1600	1450kg	235	4.4	11.1	155	209	31.4	+ Sublime 5-cylinder turbo engine - Rest of package can't quite match it	****
	Audi TT RS Plus	185 D	£49,385	5/2480	355/5500	343/1650	1450kg	249	4.3	- 11-1	174	209	31.4	+ Stonkingly fast cross-country - Shockingly expensive for a TT	****
	Audi TT Sport (Mk1)	081 D	'05-'06	4/1781	237/5700	236/2300	1390kg	173	5.7	-	155	-	30.3	+ Deliciously purposeful interior, crisp chassis - Numb steering	****
	Audi S5	189 D	£43,395	6/2995	328/5500	325/2900	1675kg	199	4.9	-	155	190	34.9	+ Supercharged V6 makes S5 cleaner and faster - Poor body control	***
	Audi RS5	1090	£59,350	8/4163	444/8250	317/4000	1715kg	245	4.5		155	246	26.9	+ Brilliant engine and improved chassis - Still not as exciting as you'd hope	****
	Audi R8 V8	168 R	£93,710	8/4163	424/7900	317/4500	1560kg	276	4.1	9.9	188	332	19.9	+ Finally, a true 911 alternative - Exclusivity comes at a price	****
	Audi R8 V10	181 D	£114,810	10/5204	518/8000	391/6500	1620kg	325	3.9	8.4	194	346	19.0	+ Real supercar feel - The V8 is £20k less, and still superb	****
	Audi R8 V10 Plus	190 R	£126,810	10/5204	542/8000	398/6500	1570kg	351	3.8	-	198	346	19.0	+ An R8 fit to take on the 458 and 12C - Firm ride may be too much for some	****
	Audi R8 GT	169 F	'10-'12	10/5204	552/8000	398/6500	1520kg	369	3.6	-	199	-	-	+ Everything we love about the R8 - Not as hardcore as we wanted	****
	Audi Quattro 20v	194 R	'90-'91	5/2226	220/5900	228/1950	1329kg	168	6.2	18.2	143	-	19.1	+ Modern classic - The game has moved on	****
	Bentley Continental GT V8	178 R	£123,850	8/3993	500/6000	487/1700	2295kg	221	4.6	-	188	246	27.0	+ A proper drivers' Bentley with decent economy - W12 suddenly seems pointless	****
	Bentley Continental GT	152 D	£135,760	12/5998	567/6000	516/1700	2320kg	248	4.6	-	198	384	17.1	+ 200mph in utter comfort - Weight, thirst	****
	Bentley Continental GT Speed	177 D	£151,100	12/5998	616/6000	590/2000	2320kg	258	4.0	-	205	338	19.5	+ 205mph in utter comfort - Feels nose-heavy in slow corners	****
	BMW 1-series M Coupe	188 R	'11-'12	6/2979	335/5900	369/1500	1495kg	228	4.8	-	155	224	-	+ Character, turbo pace and great looks - Came and went too quick	****
	BMW 135i M Sport	113 R	'08-'12	6/2979	302/5800	295/1300	1455kg	211	5.3	-	155	198	33.2	+ Fast, fun, lots cheaper than an M3 - You really want the 1-series M Coupe	****
	BMW M235i Coupe	193 R	£34,250	6/2979	321/5800	332/1300	1455kg	224	5.0	-	155	189	34.9	+ Powertrain, chassis, looks, size - Limited-slip diff is an option, not standard	****
	BMW 435i M Sport Coupe	189 D	£41,435	6/2979	302/5800	295/1200	1510kg	203	5.4	-	155	169	35.8	+ Better balance than 3-series saloon - Can feel characterless at lower speeds	****
•	BMW 435d xDrive M Sport Coupe	195 D	£45,040	6/2993	309/4400	465/1500	1625kg	193	4.7	-	155	146	50.4	+ Pace, grip, economy - Not the sharpest steer; slow-responding gearbox	****
	BMW 335i M Sport Coupe (E92)	095 D	'06-'13	6/2979	302/5800	295/1300	1525kg	201	5.2	12.2	155	196	33.6	+ Eager engine, exploitable chassis - Slightly unadventurous styling	****
	BMW M3 (E92)	162 R	'07-13	8/3999	414/8300	295/3900	1580kg	266	4.3	10.3	155	290	22.8	+ Fends off all of its rivalsexcept the cheaper 1-series M	****
	BMW M3 GTS (E92)	171 R	'10-'11	8/4361	444/8300	324/3750	1530kg	295	4.3		193	295	-	+ Highly exclusive, one of the most focused M-cars ever - Good luck trying to find one	****
	BMW M3 (E46)	066 R	'00-'07	6/3246	338/7900	269/5000	1495kg	230	5.1	12.3	155	-	23.7	+ One of the best BMWs ever - Slightly artificial steering feel	****
	BMW M3 CS (E46)	088 R 060 R	'05-'07 '03-'04	6/3246 6/3246	338/7900 355/7900	269/5000 273/4900	1495kg	230 260	5.1 5.3	12.0	155 155	-	23.7	+ CSL dynamics without CSL price - Looks like the standard car	****
	BMW M3 CSL (E46) BMW M3 (E36)	148 R	'93-'98	6/3201	321/7400	258/3250	1385kg 1460kg	223	5.4	12.8	157	-	25.7	+ Stripped-down road-race M3- Standard brakes barely adequate	****
	BMW M3 (E30)	146 R	'86-'90	4/2302	212/6750	170/4600	1165kg	185	6.7	17.8	147	-	20.3	+ Performance, image - Never quite as good as the original + Best M-car ever! Race-car dynamics for the road - LHD only	****
	BMW Z4 M Coupe	097R	'06-'09	6/3246	338/7900	269/4900	1420kg	242	5.0	- 17.0	155	-	23.3	+ A real drivers' car - You've got to be prepared to get stuck in	****
	BMW M Coupe	005 R	'98-'03	6/3246	325/7400	258/3250	1375kg	240	5.1	-	155	-	25.0	+ Quick and characterful - Lacks finesse	****
	BMW 640d	165 D	£63,125	6/2993	309/4400	465/1500	1790kg	175	5.5	-	155	144	51.4	+ Great engine and economy, excellent build - Numb steering, unsettled B-road ride	****
	BMW M6 (Mk2)	191 D	£94,605	8/4395	552/6000	501/1500	1850kg	303	4.2	-	155	232	28.5	+ Mighty ability, pace, technology - You'll want the Competition Package upgrade too	****
	BMW M6 (Mk1)	106 R	'05-'10	10/4999	500/7750	384/6100	1635kg	311	4.8	10.0	155	342	19.8	+ Awesome GT, awesome sports car - SMG gearbox now off the pace	****
	Chevrolet Camaro	148 R	£35.320	8/6162	426/5900	420/4600	1769kg	245	5.1	-	155	329	20.0	+ Looks like a Transformer made real - We'd prefer it in robot mode	****
	Chevrolet Corvette Stingray (C7)	194 D	£61,495	8/6162	455/6000	460/4600	1496kg	309	3.8	-	190	-	-	+ Performance, chassis balance, supple ride - Body control could be better	****
	Chevrolet Corvette (C6)	116 D	'05-'13	8/6162	430/5900	424/4600	1461kg	300	4.3	_	186	316	21.2	+ A Corvette with no apologies needed - Still left-hand drive only	****
	Chevrolet Corvette Z06	099 R	'05-'13	8/7011	505/6300	469/4800	1418kg	363	3.9	8.5	198	350	19.2	+ 8.5 to 100, brakes, price - Not quite the road-racer we expected	****
	Ford Shelby GT500 *	178 R	c£60,000	8/5812	662/6500	631/4000	1747kg	385	3.5	-	202	-	-	+ Huge performance for the money - Putting it to use takes nerve	****
	Ginetta G40R	165 R	£29,950	4/1999	175/6700	140/5000	795kg	224	5.8	-	140	-	-	+ A race-compliant sports car for the road - Feels too soft to be a hardcore track toy	****
	Ginetta G60	165 D	£68,000	6/3721	310/6500	288/4500	1080kg	292	4.9	-	165	-	-	+ Reborn Farbio GTS boasts great engine and good looks - The ride still needs work	****
	Honda CR-Z GT	144 R	£23,275	4/1497	122/6100	128/1500	1198kg	103	9.9	-	124	117	56.5	+ The first hybrid with sporting intent - No match for a good diesel hot hatch	****
	Honda Integra Type-R (DC2)	095 R	'96-'00	4/1797	187/8000	131/7300	1101kg	173	6.2	17.9	145	-	28.9	+ Arguably the greatest front-drive car ever - Too raw for some	****
	Honda NSX	188 R	'90-'05	6/3179	276/7300	224/5300	1410kg	196	5.5	-	168	-	22.8	+ 'The useable supercar' - 270bhp sounds a bit weedy today	****
	Honda NSX-R *	051R	'02-'03	6/3179	276/7300	224/5300	1270kg	221	4.4	-	168	-	-	+ evo Car of the Year 2002 - Honda never brought it to the UK	****
	Hyundai Veloster Turbo	176 D	£21,995	4/1591	184/5500	195/1500	1313kg	142	8.2	-	133	157	40.9	+ The usual Hyundai value, with added fun - Styling might be too quirky for some	****
	Infiniti G37S Coupe	127 R	'09-'13	6/3696	316/7000	265/5200	1706kg	188	5.8	13.8	155	246	26.9	+ Softer 370Z delivers sharp-driving swing at the Germans - Bland looks	****
0	Jaguar F-type S Coupe	195 D	£60,235	6/2995	375/6500	339/3500	1594kg	239	4.8	-	171	213	31.0	+ Exquisite style, more rewarding (and affordable) than the roadster - Steering lacks feel	
	Jaguar XK	130 D	£65,465	8/5000	380/6500	380/3500	1585kg	244	5.2	-	155	264	25.2	+ Fine car for the likes of us - Jag buyers may not like the harder edge	****
	Jaguar XKR	168 R	£78,965	8/5000	503/6000	461/2500	1678kg	305	4.6	-	155	292	23.0	+ Fast and incredibly rewarding Jag - The kids will have to stay at home	****
	Jaguar XKR-S	168 R	£97,465	8/5000	542/6000	502/2500	1678kg	328	4.2	-	186	292	23.0	+ Faster and wilder than regular XKR - The F-type R Coupe	****
	Jaguar XKR-S GT	193 R	£135,000	8/5000	542/6000	502/2500	1638kg	336	3.9	-	186	292	23.0	+ The most exciting XKR ever - It's £135,000, and a very limited edition	****
	Jaguar XKR		'98-'06	8/4196	400/6100	408/3500	1735kg	234	5.2	-	155	-	22.9	+ Extra grunt of 4.2-litre motor - Lacks feedback	****
	Lotus Exige S (V6)	171 R	£53,850	6/3456	345/7000	295/4500	1176kg	298	3.8	-	170	236	-	+ Breathtaking road-racer; our joint 2012 Car of the Year - Doubts over Lotus's future	****

POCKET buying guide

Suzuki Swift Sport (Mk1)

Years 2005-2011 Engine In-line 4-cyl, 1586cc Power 123bhp @ 6800rpm Torque 109lb ft @ 4800rpm 0-62mph 8.9sec Top speed 124mph



WHY WOULD YOU?

Because it's one of the best junior hot hatches of recent years. While 123bhp at 6800rpm is hardly the stuff of dreams, with just 1030kg to punt along, it feels plenty feisty enough, while the chassis has an addictively playful streak

WHAT TO PAY

£3500 will get a tidy '06/'07 car, while £4k-5k opens up a decent choice of '08/'09 examples.

WHAT TO LOOK OUT FOR

The engine is bomb-proof; just check for an $\,$ engine management light, which could mean a duff O2 sensor, or may mean the cat is breaking down. A new manifold with cat is around £600. Gearboxes are a weak point. Check the gears engage smoothly and listen for whining. An ESP warning light probably means the ABS pump has failed; a refurb costs £165. (Full guide, evo 192.)



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Coupes / GTs

Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Мах трһ	CO2 g/km	EC mpg	evo rating	
Lotus Exige V6 Cup	191 R	£62,994	6/3456	345/7000	295/4500	1110kg	316	3.7	-	170	-	-	+ Half a roll-cage short of being a race car - Regular Exige S is better for road work	****
Lotus Exige S	105 R	'06-'11	4/1796	218/7800	158/5500	930kg	238	4.5	-	148	199	33.2	+ Lightweight with a hefty punch- Uninspiring soundtrack	***
Lotus Exige Cup 260	139 D	'10-'11	4/1796	256/8000	174/6000	890kg	293	4.0	-	152	199	31.1	+ Feels like a race car, yet works on the road - Pricey for a four-pot Exige	***
Lotus Exige (series 2)	068 R	'04-'08	4/1796	189/7800	133/6800	875kg	219	4.9	-	147	-	32.1	+ Highly focused road and track tool - Lacks visual impact of S1	***
Lotus Exige (series 1)	067D	'00-'01	4/1796	192/7800	146/5000	780kg	247	4.6	-	136	-	-	+ Looks and goes like Elise racer - A tad lacking in refinement	***
Lotus Evora	138 R	£52,500	6/3456	276/6400	258/4700	1382kg	203	5.6	13.6	162	217	30.3	+ Sublime ride and handling. Our 2009 car of the year - Pricey options	***
Lotus Evora S	168 R	£61,500	6/3456	345/7000	295/4500	1430kg	245	4.6	-	172	229	28.7	+ A faster and better Evora - But one which spars with the Porsche 911	***
Lotus Esprit Sport 350	005 R 114 R	'99-'00 £82.255	8/3506 8/4244	350/6500 399/7100	295/4250 339/4750	1299kg	274	<i>4.3</i> 5.5	9.9 12.7	175 177	330	22.0 19.8	+ Designed for track work but brilliant on the road - Limited edition	****
Maserati GranTurismo Maserati GranTurismo Sport	188 R	£90,785	8/4691	454/7000	383/4750	1880kg 1880kg	216 245	4.8	12.7	185	331	19.8	+ Striking, accomplished GT - Doesn't spike the pulse like an Aston or 911 + The best everyday GranTurismo yet - Starting to get long in the tooth	****
Maserati GranTurismo MC Stradale	193 R	£110.110	8/4691	454/7000	383/4750	1800kg	256	4.5		188	337	19.5	+ Brilliant blend of road racer and GT - Gearbox takes a little getting used to	****
Maserati Coupe	064 R	'03-'07	8/4244	390/7000	333/4500	1680kg	237	4.8	-	177	-	17.6	+ Glorious engine, improved chassis - Overly sharp steering	****
Maserati GranSport	073 R	'04-'07	8/4244	400/7000	333/4500	1680kg	239	4.8	-	180	-	-	+ Maser Coupe realises its full potential - Very little	****
Mazda RX-8	122 R	'03-'11	2R/1308	228/8200	156/5500	1429kg	162	6.5	16.4	146	299	24.6	+ Never mind the quirkiness, it's a great drive - Wafer-thin torque output	****
Mercedes-Benz C63 AMG Coupe	162 R	£58,475	8/6208	451/6800	442/5000	1655kg	277	4.4	10.3	186	280	23.5	+ Mercedes makes a proper two-door M3 rival - C63 saloon looks better	****
Mercedes-Benz C63 AMG Black	171 R	'12-'13	8/6208	510/6800	457/5200	1635kg	317	4.2	-	186	286	-	+ The C63 turned up to 11 - Too heavy, not as fiery as Black Series cars of old	****
Mercedes-Benz CLK63 AMG	092 D	'06-'09	8/6208	481/6800	464/5000	1755kg	278	4.6	-	155	-	19.9	+ Power, control, build quality - Lacks ultimate involvement	****
Mercedes-Benz CLK63 AMG Black	106 R	'07-'09	8/6208	500/6800	464/5250	1760kg	289	4.2	-	186	-	-	+ AMG goes Porsche-hunting - Dull-witted gearshift spoils the party	****
Mercedes-Benz CL63 AMG	150 D	£118,865	8/5461	536/5500	590/2000	2010kg	271	4.5	-	155	244	26.9	+ Presence, pace, monster engine - Stiff ride, stiff competition	****
Morgan AeroMax	120 R	'08-'09	8/4799	362/6300	370/3600	1180kg	312	4.1	-	170	-	-	+ Weird and utterly wonderful - Only 100 were made	****
Nissan 370Z	180 R	£26,995	6/3696	326/7000	269/5200	1520kg	218	5.4	-	155	248	26.7	+ Quicker, leaner, keener than 350Z - Not quite a Cayman-killer	****
Nissan 370Z Nismo	193 R	£36,995	6/3696	339/7400	274/5200	1535kg	224	5.2	-	155	248	26.6	+ More controlled, more polished, more fun - More expensive	****
Nissan 350Z	107R	'03-'09	6/3498	309/6800	264/4800	1532kg	205	5.5	13.0	155	-	24.1	+ Huge fun, and great value too - Honestly, we're struggling	***
Nissan GT-R (2012MY/2013MY)	194 R	£76,610	6/3799	542/6400	466/3200	1740kg	316	3.2	7.5	196	275	24.0	+ GT-R is quicker and better than ever - But over £20K more than its launch price	***
Nissan GT-R (2010MY)	152 R	'10-'12	6/3799	523/6400	451/3200	1740kg	305	3.0	-	194	279	23.5	+ More powerful version of the original - But they're not worlds apart to drive	***
Nissan GT-R (2008MY)	125 R	'08-'10	6/3799	473/6400	434/3200	1740kg	276	3.8	-	193	-	-	+ Our 2008 Car of the Year, now from just £35K - You won't see 20mpg often	***
Nissan Skyline GT-R (R34)	194R	'99-'02	6/2568	276/7000	289/4400	1560kg	180	4.7	12.5	165	-	20.1	+ Big, brutal, and great fun - Needs more than the standard 276bhp	***
Nissan Skyline GT-R (R33)	019 R	'97-'99	6/2568	276/6800	271/4400	1540kg	182	5.4	14.3	155	-	22.0	+ Proof that Japanese hi-tech can work (superbly) - Limited supply	***
Noble M400	089 R	'04-'06	6/2968	425/6500	390/5000	1060kg	407	3.5	-	185	-	-	+ Devilishly fast - Demon Tweeks interior	***
Peugeot RCZ 1.6 THP 200	155 R	£26,895	4/1598	197/5500	202/1700	1421kg	141	7.3	18.1	147	155	42.1	+ Distinctive looks, highly capable handling - Could be a bit more exciting	***
Peugeot RCZ R	193 R	£31,995	4/1598	266/6000	243/1900	1355kg	199	5.9	-	155	145	44.8	+ The best RCZ yet - 1.6-litre engine needs to be worked hard	***
Porsche Cayman (981)	185 F	£39,694	6/2706	271/7400	214/4500	1310kg	210	5.7	-	165	192	34.4	+ Very enticing for the money in basic spec - You might still want the power of the 'S'	***
Porsche Cayman S (981)	190 R	£48,783	6/3436	321/7400	273/4500	1320kg	247	5.0	-	176	206	32.1	+ The Cayman comes of age - Erm	***
Porsche Cayman (987)	131 R	'11-'13	6/2893	261/7200	221/4400	1330kg	199	5.8	-	165	221	30.1	+ Extra power, just as involving - Still lacks the desirability of other Porsches	****
Porsche Cayman S (987)	132 R	'06-'13	6/3436	316/7200	273/4750	1350kg	237	5.2	-	172	223	29.7	+ Still want that 911? - Yeah, us too	****
Porsche Cayman R (987)	158 R	71-713	6/3436	325/7400	273/4750	1295kg	255	4.7	-	175	228	29.1	+ Total handling excellence - Styling additions not to all tastes	****
Porsche 911 Carrera (991)	168 R	£73,413	6/3436	345/7400	288/5600	1380kg	254	4.7	-	179	212	31.4	+ 911 becomes cleaner and cleverer - But some of its character's gone AWOL	****
Porsche 911 Carrera S (991)	168 R 177 D	£83,448	6/3800	394/7400 345/7400	324/5600 288/5600	1395kg	287	4.4	-	188 177	224 219	29.7	+ As above, but with supercar pace - Electric steering robs it of some tactility	****
Porsche 911 Carrera 4 (991)	177 D	£78,269	6/3436			1430kg	245	4.5	-		234	30.4	+ A touch more engaging than 2wd 991 - Still stand-offish compared to 997	****
Porsche 911 Carrera 4S (991) Porsche 911 Carrera (997.2)	1/9 K	£88,304 '08-'11	6/3800 6/3614	394/7400 341/6500	324/5600 288/4400	1445kg 1415kg	277 245	4.5 4.9	-	185 180	225	28.5 29.4	+ The best 991-generation Carrera - Choose your spec carefully	****
Porsche 911 Carrera S (997.2)	121 R	'08-11	6/3800	380/6500	310/4400	1415kg 1425kg	271	4.7	-	188	242	27.4	+ Faster and greener than the mk1997 - Lost a little of the 911 magic + Poise, precision, blinding pace - Feels a bit clinical	****
Porsche 911 Carrera S (997.1)	070 R	'04-'08	6/3824	350/6600	295/4600	1420kg	246	4.7	10.9	182	242	24.5	+ evo Car of the Year 2004; like a junior GT3 - Tech overload?	****
Porsche 911 Carrera (996 3.4)	008 R	'98-'01	6/3387	300/6800	258/4600	1320kg	230	4.6	-	173	-	28.0	+ evo Car of the Year 1998; beautifully polished - Some like a bit of rough	****
Porsche 911 Carrera (993)	UUUN	'94-'97	6/3600	285/6100	251/5250	1372kg	211	5.2	-	168	-	25.0	+ More character than 996 - Harder work at speed	****
Porsche 911 GT3 (991)	190 R	£100.540	6/3799	468/8250	324/6250	1430kg	332	3.5	-	196	289	23.0	+ evo Car of the Year 2013 - At its best at licence-troubling speeds	****
Porsche 911 GT3 (997.2)	182 R	'09-'11	6/3797	429/7600	317/6250	1395kg	312	4.2	9.2	194	303	22.1	+ Even better than the car it replaced - Give us a minute	****
Porsche 911 GT3 RS (997.2)	152 R	10-11	6/3797	444/7900	317/6750	1370kg	329	4.0	-	193	314	-	+ evo Car of the Year 2010 - Looks and noise are slightly OTT	****
Porsche 911 GT3 RS 4.0 (997.2)	187 R	'11-'12	6/3996	493/8250	339/5750	1360kg	368	3.8	_	193	326	-	+ evo Car of the Year 2011 - Unforgiving on-road ride	****
Porsche 911 GT3 (997.1)	182 R	'07-'09	6/3600	409/7600	298/5500	1395kg	298	4.3	9.4	192	-	-	+ Runner-up evo Car of the Year 2006 - Ferrari 599 GTBs	****
Porsche 911 GT3 RS (997.1)	105 R	'07-'09	6/3600	409/7600	298/5500	1375kg	302	4.2		193	-	-	+ evo Car of the Year 2007 - A chunk more money than the brilliant GT3	****
Porsche 911 GT3 (996.2)	082 R	'03-'05	6/3600	375/7400	284/5000	1380kg	272	4.3	9.2	190	-	-	+ evo Car of the Year 2003 - Chassis is a bit too track-focused for some roads	****
Porsche 911 GT3 RS (996.2)	068 R	'03-'05	6/3600	375/7400	284/5000	1330kg	286	4.2	9.2	190	-	-	+ Track-biased version of above - Limited supply	***
Porsche 911 GT3 (996.1)	182 R	'99	6/3600	360/7200	273/5000	1350kg	271	4.5	10.3	187	-	21.9	+ evo Car of the Year 1999 - Porsche didn't build enough	****
Porsche 968 Club Sport	019 R	'93-'95	4/2990	240/6200	225/4100	1335kg	183	6.1	15.7	149	-	-	+ One of the all-time greats - Lots have been driven very hard	****
Renault Alpine A610	187 D	'91-'95	6/2975	247/5750	258/2900	1420kg	177	5.4	13.8	166	-	21.0	+ Overlooked, bargain-price French 911. Try one - R5 interior	****
Rolls-Royce Wraith	189 D	£237,111	12/6592	624/5600	590/1500	2360kg	269	4.4	-	155	327	20.2	+ Brilliant at wafting; quicker than you'd expect - Not the most engaging drivers' car	***
Subaru BRZ	170 R	£24,995	4/1998	197/7000	151/6400	1230kg	163	7.6	-	140	181	36.2	+ Fine chassis, great steering - Weak engine, not the slide-happy car they promised	****
Toyota GT86	174 R	£24,995	4/1998	197/7000	151/6400	1275kg	157	7.6	-	140	181	36.2	+ More fun than its cousin (above) - Same lack of torque, poor interior quality	***
Toyota Celica GT-Four ST205	187 R	'94-'99	4/1998	239/6000	223/4000	1496kg	162	5.2	-	143	-	-	+ Criminally overlooked homologation special - Finding one	****
TVR T350C	057R	'03-'07	6/3605	350/7200	290/5500	1100kg	318	4.7	10.0	175	-	-	+ Looks, engine - Unsupportive seats; chassis lacks ultimate polish	****
TVR Sagaris	099 D	'05-'07	6/3996	406/7500	349/5000	1078kg	383	3.7	-	185	-	-	+ Looks outrageous - 406bhp feels a touch optimistic	****
TVR Tuscan S (Mk2)	076 R	'05-'07	6/3996	400/7000	315/5250	1100kg	369	4.0	-	185	-	-	+ Possibly TVR's best ever car - Aerodynamic 'enhancements'	****
TVR Cerbera Speed Six	004 R	'98-'04	6/3996	350/6800	330/5000	1130kg	315	5.0	11.4	160+	-	-	+ Accomplished and desirable - Check chassis for corrosion	****
VW Scirocco GT 2.0 TSI	155 R	£26,760	4/1984	207/5300	207/1700	1373kg	153	6.1	15.8	149	172	38.2	+ Golf GTI price and performance - Interior lacks flair	****
VW Scirocco R	181 R	£31,985	4/1984	261/6000	258/2500	1352kg	196	5.8	-	155	189	34.9	+ Great engine, grown-up dynamics - Perhaps a little too grown-up for some	****

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Our Choice
Ferrari 458 Speciale. The regular 458 Italia is amazing enough in itself – in fact it used to occupy this very space – but the Speciale follows in the tradition of the 360 Challenge Stradale and 430 Scuderia and makes the car it is based on even more, well, special. The supercar to buy.



Best of the RestPagani's awesome Huayra (left) was our joint Car of the Year in 2012, while Ferrari's incredible F12 was runner-up in 2013. Lamborghini's Aventador is right up there for true supercar drama, and then there's McLaren's P1, which manages to stir the emotions in a way the 12C doesn't.

Supercars

Car	Issue no.	Price	Engine cyl/cc	bhp/rpm	lb ft/rpm	Weight	bhp/ton	0-60mph	0-100mph	Max mph	CO2 g/km	EC mpg	evo rating	
9ff GT9R	127 D	c£450,000	6/4000	1120/7850	774/5970	1346kg	845	2.9		260	_	_	+ Above 100mph eats Veyrons for breakfast - Eats M3 dust at traffic lights	****
Aston Martin Vanquish (Mk2)	182 R	£189,995	12/5935	565/6750	457/5500	1739kg	330	4.1	-	183	335	19.6	+ A much better car than the DBS it succeeds - Shame it looks little different, then	****
Aston Martin Vanquish S (Mk1)	110 R	'05-'07	12/5935	520/7000	425/5800	1875kg	282	4.9	10.1	200	-	-	+ Vanquish joins supercar greats - A tad intimidating at the limit	****
Aston Martin One-77	179 R	'10-'12	12/7312	750/6000	553/7600	1740kg	438	3.7	-	220+	-	-	+ The engine, the looks, the drama - Gearbox hates manoeuvring; only 77 were made	****
BMW M1	110 R	'78-'81	6/3500	277/6500	239/5000	1303kg	216	5.8	-	161	-	-	+ Early supercar icon - A bit under-endowed these days	****
Bugatti Veyron Super Sport	151 R	c£2.0m	16/7993	1183/6400	1106/3000	1838kg	654	2.5	-	268	539	12.2	+ The world's fastest supercar - Limited to 258mph for us mere mortals	****
Bugatti Veyron Grand Sport Vitesse	185 R	c£1.7m	16/7993	1183/6400	1106/3000	1990kg	604	2.6	-	254	539	12.2	+ The world's fastest convertible - Limited to 258mph for us mere mortals	****
Bugatti Veyron 16.4	134 R	'05-'11	16/7993	1000/6000	922/2200	1950kg	521	2.8 3.4	5.8	253	596	11.4	+ Superbly engineered 4WD quad-turbo rocket - Er, lacks luggage space?	****
Bugatti EB110 Caparo T1	078 R 138 R	'91-'95 £301,975	12/3500 8/3499	<i>552/8000</i> 575/10,500	451/3750 310/9000	1566kg 689kg	<i>358</i> 848	3.4	6.2	<i>212</i> 205	-	-	+ Superbly engineered 4WD quad-turbo rocket - It just fizzled out	****
Chevrolet Corvette ZR1	133 R	'09-'13	8/6162	638/6500	603/3800	1528kg	424	3.8	7.6	205	355	18.8	+ Absolutely staggering performance - Absolutely staggering price tag + Huge pace and character - Take plenty of brave pills if there's rain	****
Ferrari 458 Italia	183 R	£178,526	8/4497	562/9000	398/6000	1485kg	384	3.2	6.8	202	307	20.6	+ An astounding achievement, looks fantastic - There'll never be a manual	****
Ferrari 458 Spider	185 R	£198,971	8/4497	562/9000	398/6000	1530kg	373	3.3	-	198	275	23.9	+ A 458 that sounds and feels more organic - Er, 4mph slower than the Italia?	****
Ferrari 458 Speciale	191 R	£208,000	8/4497	597/9000	398/6000	1395kg	435	3.0	-	202+	275	23.9	+ Makes the regular 458 feel outmoded - If you don't own a regular 458, nothing	****
Ferrari F430	163 R	'04-'10	8/4308	483/8500	343/5250	1449kg	339	4.0	-	196	-	18.6	+ Just brilliant - Didn't you read the plus point?	****
Ferrari 430 Scuderia	121 R	'07-'10	8/4308	503/8500	347/5250	1350kg	378	3.5	7.7	198	-	15.7	+ Successful F1 technology transplant - Likes to shout about it	****
Ferrari Scuderia Spider 16M	133 D	'09	8/4308	503/8500	347/5250	1440kg	355	3.7	-	196	360	18.0	+ A hardcore soft-top Ferrari - Earplugs recommended	****
Ferrari 360 Modena	163 R	'99-'04	8/3586	394/8500	275/4750	1390kg	288	4.5	9.0	183	-	17.0	+ Worthy successor to 355 - Not quite as involving as it should be	****
Ferrari 360 Challenge Stradale	068 R	'03-'04	8/3586	420/8500	275/4750	1280kg	333	4.1	-	186	-	-	+ Totally exhilarating road-racer. It's loud - It's very, very loud	****
Ferrari F355 F1 Berlinetta	163 R	'97-'99	8/3496	374/8250	268/6000	1350kg	281	4.7	-	183	-	16.7	+ Looks terrific, sounds even better - Are you kidding?	****
Ferrari F12 Berlinetta	190 R 101 R	£239,736 '06-'12	12/6262	730/8250 611/7600	509/6000	1630kg	455	3.1 3.5		211 205	350 415	18.8	+730bhp isn't too much power for the road - Super-quick steering is an acquired taste	****
Ferrari 599 GTB Fiorano			12/5999		448/5600	1688kg	368		7.4		415	15.8	+ evo Car of the Year 2006 - Banks are getting harder to rob	****
Ferrari 599 GTO Ferrari 575M Fiorano Handling Pack	161 R 169 R	'11-'12 '02-'06	12/5999 12/5748	661/8250 508/7250	457/6500 434/5250	1605kg 1730kg	418 298	3.4 4.2	9.6	208 202	-	12.3	+ One of the truly great Ferraris - Erm, the air con isn't very good + Fiorano pack makes 575 truly great - It should have been standard	****
Ferrari 550 Maranello	169 R	'97-'02	12/5/48	485/7000	434/5250	1730kg 1716kg	298	4.2	10.0	199	-	12.3	+ Florano pack makes 5/5 truly great - It snould have been standard + Everything - Nothing	****
Ferrari Testarossa	185 R	'84-'91	12/4942	385/6300	361/4500	1506kg	260	5.8	-	171	-	- 12.3	+ The ultimate '80s supercar - Intimidating handling; needs big roads	****
Ferrari FF	194 R	£227,142	12/4942	651/8000	504/6000	1880kg	347	3.7	-	208	360	15.4	+ Four seats and 4WD, but a proper Ferrari - Looks divide opinion	****
Ferrari 612 Scaglietti F1	090 R	'04-'11	12/5748	533/7250	434/5250	1840kg	294	4.3	9.8	199	470	13.8	+ Awesomely capable grand tourer - See above	****
Ferrari Enzo	156 R	'02-'04	12/5998	650/7800	485/5500	1365kg	484	3.5	6.7	217+	-	-	+ Intoxicating, exploitable - Cabin detailing falls short of Zonda or F1	****
Ferrari F50	186 R	'96-'97	12/4699	513/8500	347/6500	1230kg	424	3.9	-	202	-	-	+ Still the best drivers' Ferrari - The F40 looks better	****
Ferrari F40	186 R	'87-'92	8/2936	471/7000	426/4000	1100kg	437	4.1	-	201	-	-	+ Brutally fast - It's in the dictionary under 'turbo lag'	****
Ferrari 288GTO	064R	'84-'85	8/2855	400/7000	366/3800	1160kg	350	4.9	-	189	-	-	+ Painfully beautiful, rarer than the F40 - You are joking?	****
Ford GT	188 R	'04-'06	8/5409	550/6500	500/3750	1583kg	353	3.7	-	205	-	-	+ Our 2005 Car of the Year - JC had one. Reckoned it didn't handle	****
Gumpert Apollo	110 R	£275,000	8/4163	690/6300	675/4000	1200kg	584	3.0	-	220+	-	-	+ Stupendous perfomance, 'Apollo' - High price, 'Gumpert'	****
Hennessey Venom GT	180 R	£900,000	8/7000	1244/6500	1155/4000	1244kg	1016	2.5	-	275	-	-	+ 0-200mph in 14.5sec, and it handles too - Looks like an Exige	****
Jaguar XJ220	157R	'92-'94	6/3498	542/7200	475/4500	1470kg	375	3.7	-	213	-	-	+ Britain's greatest supercaruntil McLaren built the F1	****
Koenigsegg Agera R	180 R	c£1.09m	8/5032	1124/7100	885/2700	1435kg	796	2.8	-	273	-	-	+ As fast and exciting as your body can handle - It's Veyron money	****
Koenigsegg CCX	094 R	'06-'10	8/4700	806/6900	678/5700	1180kg	694	3.9	7.7	241	-	-	+ Sweden's greatest supercar - Sweden's only supercar	****
Koenigsegg CCXR Edition	118 R	'08-'10	8/4800	1004/7000	796/5600	1280kg	797	2.8	-	254+	- 225	10.0	+ One of the world's fastest cars - Spikey power delivery	****
Lamborghini Gallardo LP560-4 Lamborghini LP570-4 Superleggera	180 D 152 R	'08-'13 '10-'13	10/5204	552/8000 562/8000	398/6500 398/6500	1410kg 1340kg	398 426	3.7 3.5	-	202 202	325 325	16.0 20.6	+ Still a missile from A to B - Starting to show its age + Less weight and more power than original Superleggera - LP560-4 runs it very close	****
Lamborghini Gallardo	094 R	'06-'08	10/4961	513/8000	376/4250	1540kg	343	4.3	9.4	196	J2J -	20.0	+ On a full-bore start it spins all four wheels. Cool - Slightly clunky e-gear	****
Lamborghini Gallardo Superleggera	104 R	'07-'08	10/4961	522/8000	376/4250	1420kg	373	3.8	-	196	-	-	+ Lighter, more agile - Grabby carbon brakes, clunky e-gear	****
Lamborghini Aventador LP700-4	194 R	£260,040	12/6498	690/8250	509/5500	1575kg	445	2.9	-	217	370	17.7	+ Most important new Lambo since the Countach - Erm expensive?	****
Lamborghini Aventador Roadster	184 R	£294,665	12/6498	690/8250	509/5500	1625kg	431	3.0	-	217	370	17.7	+ Sensational engine and styling - A wee bit on the thirsty side	****
Lamborghini Murciélago	089 D	'01-'06	12/6192	570/7500	479/5400	1650kg	351	4.0	-	205	-	-	+ Gorgeous, capable and incredibly friendly - V12 feels stressed	****
Lamborghini Murciélago LP640	093 R	'06-'11	12/6496	631/8000	487/6000	1665kg	385	3.3	-	211	-	21.3	+ Compelling old-school supercar - You'd better be on your toes	****
Lamborghini Murciélago LP670-4 SV	186 R	'09-'11	12/6496	661/8000	487/6500	1565kg	429	3.2	7.3	212	-	-	+ A supercar in its truest, wildest sense - Be prepared for stares	****
Lamborghini Diablo 6.0	019 R	'00-'02	12/5992	550/7100	457/5500	1625kg	343	3.8	-	200+	-	-	+ Best-built, best-looking Diablo of all - People's perceptions	****
Lamborghini Countach 5000 QV	184R	'88-'91	12/5167	455/7000	369/5200	1488kg	311	4.2	10.0	182	-	13.7	+ Still the definitive supercar- Visibility, pract- oh hell, who cares?	****
Lexus LFA/LFA Nürburgring	161 R	'10-'12	10/4805	552/8700	354/6800	1480kg	379	3.7	-	202	-	-	+ Absurd and compelling supercar - Badge and price don't quite match	****
Maserati MC12	079 R	'04-'05	12/5998	621/7500	481/5500	1445kg	437	3.8	-	205	- 270	-	+ Rarer than an Enzo - The Ferrari's better	****
McLaren 12C McLaren 12C Spider	187 R 185 R	£176,000 £195,500	8/3799 8/3799	616/7500 616/7500	442/3000 442/3000	1434kg 1474kg	435 425	3.1	-	207	279 279	24.2	+ Staggering performance, refinement - Engine noise can be grating + No discernible dynamic compromises - Requires commitment to come alive	****
McLaren P1	194 R	£866,000	8/3799	903/7500	664/4000	1395kg	658	2.8	-	217	194	34.0	+ Freakish breadth of ability - We don't know its exact Nürburgring lap time	****
McLaren F1	186 R	'94-'98	12/6064	627/7500	479/4000	1137kg	560	3.2	6.3	240+	124	19.0	+ Still the most single-minded supercar ever - There'll never be another	****
Mercedes-Benz SL65 AMG Black	131 R	'09-'10	12/5980	661/5400	737/2200	1876kg	358	4.0	8.1	199	-	-	+ Bonkers looks, bonkers speed - Bonkers £250K price	****
Mercedes-Benz SLS AMG	159 R	£168,395	8/6208	563/6800	479/4750	1620kg	335	4.1	8.4	197	308	21.4	+ Great engine and chassis (gullwing doors too!) - Slightly tardy gearbox	****
Mercedes-Benz SLS AMG Black	190 R	£229,985	8/6208	622/7400	468/5500	1550kg	408	3.6	-	196	321	20.6	+ Stunning engine, superb body control - Appetite for expensive tyres	****
Mercedes-Benz SLR McLaren	073 R	'04-'07	8/5439	617/6500	575/3250	1693kg	370	3.7	-	208	-	-	+ Zonda-pace, 575-style drivability - Dreadful brake feel	****
Noble M600	186 R	c£200,000	8/4439	650/6800	604/3800	1198kg	551	3.8	7.7	225	-	-	+ Spiritual successor to the Ferrari F40 - It's a bit pricey	****
Pagani Huayra	185 R	c£1m	12/5980	720/5800	737/2250	1350kg	542	3.3	-	224	-	-	+ Our joint 2012 Car of the Year - Engine isn't as nape-prickling as the Zonda's	****
Pagani Zonda 760RS	170 R	£1.5m	12/7291	750/6300	575/4500	1210kg	630	3.3	-	217+	-	-	+ The most extreme Zonda ever - The last Zonda ever (probably)	****
Pagani Zonda C12S	096 R	'01-'05	12/7291	555/5900	553/4050	1250kg	451	3.6	-	197	-	-	+ evo Car of the Year 2001 - Values have gone up a fair bit since then	****
Pagani Zonda F	186 R	'05-'06	12/7291	602/6150	575/4000	1230kg	497	3.6	-	214	-	-	+ Everything an Italian supercar ought to be - Looks a bit blingy next to a Carrera GT	****
Pagani Zonda Cinque Roadster	147 D	'09-'10	12/7291	669/6200	575/4000	1400kg	485	3.4	-	217+	-	-	+ The best Zonda ever - Doesn't come up in the classifieds often	****
Porsche 911 Turbo (991)	194 R	£118,349	6/3800	513/6000	524/2100	1595kg	327	3.4	-	195	227	29.1	+ Incredible pace, whatever the weather - More involvement would't go amiss	****
Porsche 911 Turbo S (991)	188 R	£140,852	6/3800	552/6500	553/2200	1605kg	349	3.1	-	197	227	29.1	+ Still unrivalled as an everyday supercar - At times disguises the thrills it can offer	****
Porsche 911 Turbo (997.2)	140 R	'09-'13	6/3800	493/6000	479/1950	1570kg	319	3.2	7.3	193	272		+ The Turbo at the very top of its game - The GT3's cheaper	****
Porsche 911 GT2 RS (997.2)	157R	10-113	6/3600	611/6500	516/2250	1370kg	453	3.5	-	205	284	- 22.1	+ More powerful than a Carrera GT. Handles, too - Erm	****
Porsche 911 Turbo (997.1)	094 R	'06-'09	6/3600	472/6000	457/1950	1585kg	303	4.0	8.7	193	-	22.1	+ Monster cornering ability - A bit woolly on its standard settings	****
Porsche 911 Turbo (996)	017 R	'00-'06	6/3600	420/6000	413/4600	1540kg	272	4.1	10.0	189	-	21.0	+ evo Car of the year 2000; the 911 for all seasons - We can't find any reasons	****
Porsche 911 GT2 (996)	072 R	'04-'06	6/3600	475/5700	457/3500	1420kg	339	4.0	-	198	-	10 /	+ Later revisions made it even more of a star - Care still required	****
Porsche 911 Turbo (993)	066 R	'95-'98	6/3600	408/5750	398/4500	1502kg	276	3.7	-	180	-	19.4	+ Stupendous all-weather supercar- It doesn't rain enough	****
Porsche 911 GT2 (993)	003 R	'96-'99 c£649,000	6/3600 8/4593	430/5700 875/8500	398/4500	1290kg	<i>339</i> 531	3.9 2.6	-	184 214	72	91.1	+ Hairy-arsed homologation special - Harry won't buy one	****
Porsche 918 Spyder Porsche Carrera GT	192 R 192 R	'04-'06	10/5733	604/8000	944/6600 435/5750	1674kg 1380kg	445	3.8	7.6	205	- 12	91.1	+ Blistering performance; sophisticated hybrid tech - Added weight and complexity + Still feels ahead of its time - Needs modern tyres to tame its spikiness	****
Porsche 959	192 R	'87-'90	6/2850	444/6500	369/5000	1380kg 1450kg	311	3.7		197	-	-	+ Still reels aried of its time - Needs modern tyres to tame its spikiness + Tech showcase, still a great drive - Limited choice of colours?	****
Ruf Rt 12	097 R	c£155,000	6/3746	641/7000	641/3500	1530kg	426	3.3	-	219	-	-	+ Beautifully executed car with truly immense power - Needs care	****
Ruf CTR3	126 R	c£357,000	6/3746	691/7600	656/4000	1400kg	501	3.2	-	235	-	-	+ The best 911 that Porsche never made - But not the best looking	****
Ruf CTR 'Yellowbird'	097R	'87-'89	6/3366	469/5950	408/5100	1170kg	345	4.1	-	211	-	-	+ A true legend - We can't all drive like Stefan Roser	****
		0. 07	8/4163	400/6800	354/3500	1425kg	285	4.5	-	187	-	-	+ Most convincing Spyker yet - Its rivals are quicker	****

Track Times

Knowledge

month. Red denotes the car is the fastest in its class.

-	aptime	Peak mph	ssue no.	Conditions
Car	_	_	-	_
Radical SR8LM (fastest car)	1:13.6	127.8	138	Dry
Caparo T1 (fastest supercar) Ferrari 458 Italia	1:14.8 1:19.3	130.9 120.0	131 159	Dry Dry
Gumpert Apollo S	1:19.4	120.4	119	Dry
McLaren MP4-12C (Corsa tyres)	1:19.6	121.2	159	Dry
Caterham Levante V8	1:19.6	118.6	131	Dry
Porsche 997 GT2 RS	1:19.9	122.3	158	Dry
Lotus 2-Eleven GT4	1:20.1	113.2	138	Dry
Caterham Superlight R500	1:20.2	115.7	119	Dry
McLaren MP4-12C	1:20.6	120.9	159	Dry
Noble M600	1:20.8	121.8	159	Dry
Porsche 997 GT3 RS 4.0 (fastest coupe)	1:21.0	118.2	160	Dry
Lamborghini Murciélago LP670-4 SV Ariel Atom 3 Supercharged	1:21.3	121.1	134	Dry
KTM X-Bow (300bhp)	1:21.5	112.7	138	Dry Dry
Ferrari 430 Scuderia	1:21.7	117.2	121	Dry
Porsche 997.2 GT3 RS (3.8)	1:21.9	116.8	150	Dry
Lamborghini Gallardo LP560-4	1:22.5	119.1	122	Dry
Brooke Double R	1:22.5	113.2	119	Dry
Lamborghini Murciélago LP640	1:22.9	116.7	143	Dry
Porsche Carrera GT	1:23.3	115.2	119	Dry
Porsche 997.2 GT3	1:23.3	114.5	138	Dry
Porsche 997 Turbo S	1:23.5	117.5	146	Dry
Porsche 997 GT2	1:23.5	115.1	119	Dry
Nissan GT-R (2008MY) Porsche 991 Carrera	1:23.6	113.1 112.5	119 182	Dry
Porsche 991 Carrera Porsche 991 Carrera Cabriolet	1:23.6	112.3	183	Dry Dry
Porsche 997 Turbo	1:24.1	113.5	136	Damp
Lotus 340R (190bhp)	1:24.2	110.0	135	Darry
Porsche Boxster S (981)	1:24.2	109.3	183	Dry
Caterham Superlight R300	1:24.3	101.5	138	Dry
Maserati GranTurismo MC Stradale	1:24.5	115.1	160	Dry
Mercedes-Benz SLS AMG	1:24.6	115.7	146	Dry
Porsche Boxster Spyder (987)	1:24.7	107.7	167	Dry
Ferrari California	1:25.0	111.8	134	Dry
KTM X-Bow	1:25.0	105.0	123	Dry
BMW E92 M3 Coupe	1:25.1	109.1	162	Dry
Mercedes-Benz SL65 AMG Black Jaguar F-type V8 S	1:25.2 1:25.2	108.6 111.2	131	Dry Dry
Audi RS5	1:25.4	108.8	162	Dry
Audi R8 Spyder V8	1:25.5	107.0	167	Dry
Porsche Cayman R	1:25.5	106.8	158	Dry
Aston Martin V8 Vantage Roadster	1:25.6	109.1	183	Dry
BMW M5 (F10) (fastest saloon)	1:25.7	112.0	165	Dry
Aston Martin V12 Vantage	1:25.8	110.9	146	Dry
Mitsubishi Evo X FQ-400	1:25.9	107.5	138	Dry
BMW 1-series M Coupe	1:25.9	106.4	158	Dry
Mitsubishi Evo X RS 360	1:26.1	106.6	153	Dry
Renaultsport Mégane 265 Trophy (fastest hot hatch)	1:26.1	105.3	166	Dry
Audi TT RS Aston Martin DBS	1:26.3	107.2	149 143	Dry
Aston Martin DBS Porsche Panamera Turbo	1:26.4	109.5 109.2	137	Dry Dry
Jaguar XJ220	1:26.7	111.7	131	Dry
Mercedes-Benz E63 AMG	1:26.8	104.9	165	Dry
Porsche Cayenne Turbo (fastest 4x4)	1:26.9	107.4	158	Dry
Lotus Evora	1:27.1	104.2	145	Dry
Nissan 370Z	1:27.1	104.0	158	Dry
Porsche Panamera S	1:27.3	102.4	165	Dry
Mercedes-Benz C63 AMG Coupe	1:27.7	111.0	162	Dry
Lotus Elise SC	1:27.7	104.6	131	Dry
Vauxhall VXR8 Bathurst S	1:27.8	106.1	131	Dry
BMW E46 M3 CSL Renaultsport Mégane R26.R	1:27.8	105.4 103.3	153	Dry
Renaultsport Megane RZ6.R Audi RS6 Avant (C6) (fastest estate)	1:27.8 1:27.9	103.3	121	Dry
Jaguar XFR	1:27.9	108.1	137	Dry
Lexus IS-F	1:28.1	106.4	151	Dry
Porsche Boxster S (987)	1:28.1	105.4	120	Dry
Subaru WRX STI	1:28.3	101.6	157	Dry
SEAT Leon Cupra R	1:28.7	102.4	162	Dry
Bentley Continental Supersports	1:29.2	105.8	149	Dry
Lotus Elise Club Racer	1:29.2	95.5	162	Dry
Renaultsport Mégane 250 Cup	1:29.9	101.4	156	Dry
Honda NSX	1:30.1	101.3	145	Dry
Nissan 370Z Roadster	1:30.3	100.1	173	Dry
VW Scirocco 2.0 TSI	1:30.4	98.9	155	Dry
Ford Focus RS (Mk2)	1:30.8	101.8	131	Dry
Vauxhall Astra VXR (Mk2)	1:31.4	100.9	174	Damp
Renaultsport Clio 200 Cup	1:31.9	97.2	144	Dry







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Art of speed

Camera: Nikon D2Xs. Focal length: 35mm. Exposure: 1/125sec at f/16 (ISO 100)



Lotus Esprit pop-up headlights

by DAVID VIVIAN | PHOTOGRAPHY by SIMON CLAY

IF THERE ISN'T ONE ALREADY, THERE SHOULD BE A museum dedicated to cars that don't appear to have headlights until the sun goes down. Think of the Lamborghini Countach, the best-looking Ferraris (Daytona, 308, 288 GTO, F40), the Chevrolet Corvette, numerous front-engined Porsches, the original Lotus Elan and its Japanese tribute act, the Mazda MX-5. Honda's NSX and the BMW M1 linger in the memory, too. The full list of potential museum exhibits would be phenomenally long and littered with as many aesthetic tragedies as triumphs. But for better or worse, the 68-year reign of the pop-up headlight – which ended in 2004 along with the Lotus Esprit and Corvette C5 – has to be regarded as one of the most powerful and pervasive design trends in automotive history.

It all started in 1936 with America's Cord Model 810. It was the 'coffin-nosed' car's unprecedented sleekness rather than its front-drive powertrain that fired the imagination of the crowds at the New York Auto Show. Cord chief stylist Gordon Buehrig and his team had created the world's first 'hidden' headlights – not pop-ups in the strictest sense as it was the flush-fitting covers that moved, not the bulky, modified Stinson landing lights themselves. But while

their concealed presence may have conferred sleekness, exposing them wasn't exactly a slick exercise, each rotating cover having to be hand-cranked with levers at each end of the dashboard. A couple of years later, Harley Earl's Buick Y-Job concept car for General Motors sidelined the elbow grease for powered operation. But it wasn't until 1942 that pop-ups featured, albeit briefly until the outbreak of war, on a mass-produced car. The Chrysler DeSoto's peepers, called 'Airfoils', were introduced with the slogan 'Out Of Sight Except At Night!'

The irony is that, at night, it's harder to tell that the popped-up lights have trashed the clean, uncluttered lines and whatever aerodynamic advantage the concept was meant to achieve. It hardly seemed to matter. Pop-up headlights were considered, at various peaks from the '60s to the '90s, the height of cool. Safety legislation and the emergence of visible headlight technology as design jewellery may have hurried their extinction, but it's hard to imagine trend-setters like the 1963 Corvette Sting Ray and the Oldsmobile Toronado without them.

And, as with the Countach, the wedge nose of the Lotus Esprit (pictured) depended on the flat surface they permitted when stowed. That Esprit drivers couldn't always rely on the light housings to pop up in unison is another story.















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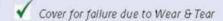


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