

# LANDYNEWS .ONLINE

THE FREE ON LINE MAGAZINE FOR LAND ROVER NEWS



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LANDYNEWS.ONLINE

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## EDITORIAL

Hi and welcome to another issue of Landynews.online

Our main feature this time is the stunning new Range Rover for 2022. A truly beautiful machine all round. Land Rover are moving towards a cleaner less cluttered look with smooth lines inside and out, check out those rear lights! The full-page photo on the back page gives a good view, they look like they are missing until in use. They live in the vertical dark lines that form a rectangle with the bottom edge of the boot and the long dark line that bears the legend that is "Range Rover". Go to page 3 to see several more high res photos and read about these beautiful cars.

As always, may we ask that you pass the web site address on to your friends and family and ask them to follow us on Facebook. Many thanks for your support.

"The Team"

**IN OUR NEXT ISSUE; FURTHER INFORMATION ON THE NEW RANGE ROVERS**

# THE NEW 2022 MODEL YEAR RANGE ROVERS



The elegant New Range Rover defines modern luxury, providing more refinement, customer choice and scope for personalisation than ever before.

Range Rover is the original luxury SUV and has led by example for 50 years, combining serene comfort and composure with all-conquering capability. The New Range Rover is the most desirable yet, mixing breathtaking modernity and aesthetic grace with technological sophistication and seamless connectivity.

With a suite of efficient mild-hybrid and plug-in hybrid<sup>5</sup> powertrains – and a pure-electric Range Rover set to join the line-up in 2024 – plus a choice of four, five or seven-seat interiors available across Standard and Long Wheelbase body designs, the New Range Rover is at home in any environment.


**Thierry Bolloré, Chief Executive Officer, Jaguar Land Rover, said: “The New Range Rover is a superb manifestation of our vision to create the world’s most desirable luxury vehicles, for the most discerning of customers. It writes the next chapter in the unique story of pioneering innovation that has been a Range Rover hallmark for more than 50 years.”**



Land Rover's new flexible Modular Longitudinal Architecture, MLA-Flex, underpins every aspect of this luxury SUV, from its unmatched capability and agile handling to its peerless refinement. By combining state-of-the-art engineering techniques with new levels of virtual development and Land Rover's punishing development programme, the New Range Rover will deliver new levels of quality.

A pair of innovative Extended Range plug-in hybrid electric vehicle (PHEV) powertrains provide CO<sub>2</sub> emissions below 30g/km, with a pure-electric driving range of up to 100km (62 miles), delivering an expected real-world range of up to 80km (50 miles) – enough for typical Range Rover customers to complete up to 75 per cent of trips using electric power only.

The new luxury SUV is available in SE, HSE and Autobiography models. A First Edition will be available throughout the first year of production, based on the Autobiography and featuring a unique specification. It is exclusively available in a Sunset Gold Satin finish, among a choice of five exterior colours. Both Standard (SWB) or Long Wheelbase (LWB) body designs are available with five seats, while the New Range Rover LWB model is available with a third row for extended comfort for up to seven adults.



**RANGE ROVER**


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ELECTRIFIED FOR THE FUTURE

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The New Range Rover provides electrified performance with a comprehensive line-up of advanced powertrains that bring new levels of efficiency and capability to Land Rover's flagship SUV.

**NEW EXTENDED RANGE PHEV**

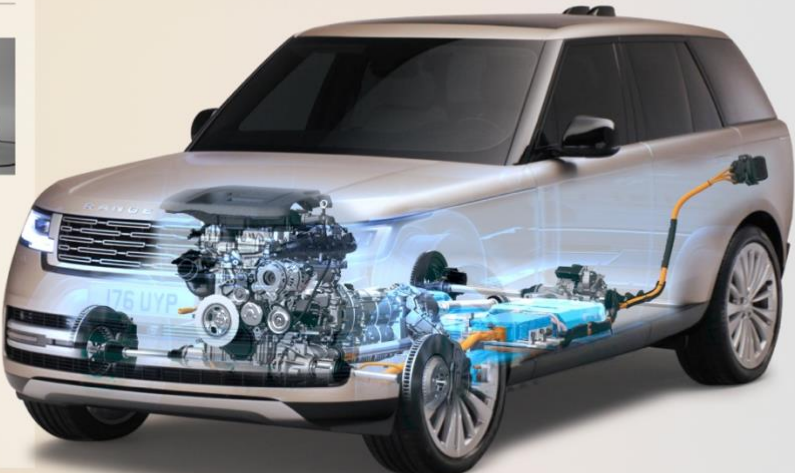



**P440E**  
3.0-litre six-cylinder

**P510E**  
3.0-litre six-cylinder

**38.2kWh**  
Battery<sup>1</sup>

**105kW**  
Electric-motor







ABOVE & BEYOND

- 100 KM / 62 MILES** All-electric range<sup>2</sup>
- 75%** of daily journeys in electric mode<sup>3</sup>
- BELOW 30G/KM** CO<sub>2</sub> emissions
- 0-80%** DC Rapid Charge in under an hour (50kW)
- 0-100%** AC Home Charge in five hours (7.2kW)


**ELECTRIFIED POWERTRAIN OFFERING**



**MHEV**  
Advanced 48V mild-hybrid Ingenium petrol and diesel engines harvest energy lost under deceleration and braking to boost fuel efficiency.



**PHEV**  
Combines the refined Ingenium petrol engine with a 105kW electric motor, enabling the vehicle to be operated as a fully electric vehicle or petrol engine when required.



**BEV**  
A fully electric powertrain will join the line-up in 2024, spearheading Land Rover's drive towards an electric future.

The new Range Rover SV is an exquisite interpretation of Range Rover luxury and personalisation from the experts at Special Vehicle Operations. The SV model is available in both SWB and LWB body designs, with exclusive features including new SV Serenity and SV Intrepid design themes and a four-seat SV Signature Suite configuration.

**Nick Collins, Executive Director Vehicle Programmes, Jaguar Land Rover, said:** *"The New Range Rover takes the lessons learned over 50 years of evolution and combines them with cutting edge technologies to deliver supreme refinement, comfort and wellbeing. It does this through pre-emptive suspension that primes the vehicle for upcoming corners, next-generation noise cancelling with new headrest speakers and clean air technology that can help significantly reduce odours and viruses – creating one of the quietest, most relaxing, modern luxury travelling experiences imaginable."*

The Range Rover was the first luxury SUV to feature Electronic Air Suspension, in 1992, and the New Range Rover continues this pioneering approach with Dynamic Response Pro and pre-emptive suspension that uses eHorizon Navigation data to read the road ahead and prime the suspension to provide perfect responses.

The intelligent technology also works in conjunction with the Adaptive Cruise Control with Steering Assist to smooth out body movements resulting from sudden changes in speed. Fully independent suspension underpins the luxurious ride and features Land Rover's first ever five-link rear axle, which isolates the cabin from surface imperfections more effectively than ever, using advanced air springs.

The New Range Rover is also the first Land Rover to feature Power Assisted Doors with integrated hazard detection and anti-pinch safety features, which enhance its Soft Door Close capability and ensure every trip begins and ends with effortless refinement and sophistication. All four passenger doors are power assisted – also controlled via the Pivi Pro screen – for elegant entry and exit in any situation, including at angles of up to 10 degrees while off-road. Advanced hazard detection means the doors can automatically pause until the sweep of the door is cleared. The practical two-piece split tailgate that has been a Range Rover hallmark since 1970 is updated for 2021, with a series of new technologies providing greater versatility and convenience.

Inside, the new Versatile Loadspace Floor protects luggage and enhances convenience. Its clever floor panel can be raised forward, across the width of the load area around its mid-point, forming a partition to contain smaller items and keep them within easy reach when unloading. It can also pivot backwards along its leading edge to serve as a backrest when using the lower tailgate as outdoor seating. The new Tailgate Event Suite takes the Versatile Loadspace Floor backrest concept to new heights, combining additional lighting, audio features and tailored cushions to create the perfect vantage point for outdoor relaxation.



Five-seat models debut a new Auto-Folding Loadspace Cover. Combining the practicality of a rigid cover with the convenience of a retractable design, it elegantly retreats when the upper tailgate is opened to provide unrestricted access to the load area, without opening the lower tailgate.

### **Seamless technology**

The New Range Rover maintains its rich bloodline of pioneering innovation with a suite of technologies designed to effortlessly enhance convenience, efficiency, refinement and safety. Land Rover's latest Electrical Vehicle Architecture (EVA 2.0) is the enabler-in-chief and includes Software-Over-The-Air (SOTA) updates for more than 70 electronic modules, meaning the New Range Rover will constantly evolve, improve and remain up to date as it matures.

The New Range Rover revolutionises the in-car experience with seamlessly integrated Amazon Alexa. Using intuitive natural voice commands goes one step beyond touchscreen or button interfaces in helping reduce cognitive load, providing a sense of effortless modern luxury. In this way, Alexa capabilities allow customers to manage everything from favourite infotainment features and music track selection to navigation or phone contacts – all while keeping their hands on the wheel, and eyes on the road.

**Nick Rogers, Executive Director, Product Engineering, Jaguar Land Rover, said: “The New Range Rover combines supreme on-road and all-terrain capability with electrified propulsion and new levels of connected capability. In the quest for comfort, we have been obsessed with human science and understanding brain activity to minimise cognitive impact and ensure these advanced technologies work in absolute harmony, creating a truly effortless driving experience. It’s an engineer’s duty to make people’s lives better, and that’s exactly what the New Range Rover will do for you.”**

For the first time in a Land Rover, the central display will provide haptic feedback when customers touch and press the screen. Allowing users to feel a positive confirmation without the need to glance at the screen, it reduces the need to look away from the road and makes Pivi Pro even more intuitive.

Rear passengers can enjoy a new Rear Seat Entertainment (RSE) system, which provides adjustable 11.4-inch HD touchscreens mounted on the rear of the front seatbacks.

They can be operated independently and support the connection of most devices with an HDMI port, while using Wi-Fi hotspot capability means rear-seat passengers can enjoy smart TV entertainment on the move. The eight-inch Rear Seat Touchscreen Controller mounted in the centre armrest of Executive Class Rear Seats provides quick and intuitive control for the perfect seating position, elevating the luxurious rear-seat experience.

New Manoeuvring Lights help drivers complete low-speed manoeuvres in dimly lit surroundings with complete confidence, by creating a carpet of light around the perimeter of the vehicle, working with the 3D Surround Camera system to provide effortless manoeuvrability.

Drivers can even control the new Range Rover from outside the vehicle using Remote Park Assist, which is operated using a smartphone app. It allows the luxury SUV to manoeuvre into and out of parking spaces while the driver monitors progress nearby – perfect for entering or leaving narrow city spaces or negotiating rural gates.

**Every New Range Rover features All-Wheel Steering for an effortless drive with heightened high-speed stability and improved manoeuvrability at low speeds, ensuring it is equally at home on the open road and negotiating tight urban streets.**



The electrically operated rear axle provides up to seven degrees of steering angle and, at low speeds, turns out-of-phase of the front wheels, giving the New Range Rover a turning circle of less than 11m – the smallest of any Land Rover. At higher speeds the rear axle turns in phase with the front wheels for enhanced stability and comfort.

The New Range Rover is also the first Land Rover to feature Dynamic Response Pro. The powerful new active 48-volt electronic roll control system is faster-acting and more efficient than a hydraulic set-up, with a torque capacity of up to 1,400Nm fed into the anti-roll bars to keep body movements under control.

Fully independent air suspension isolates the cabin from surface imperfections more effectively than ever, for serene composure at all times. It combines industry-leading air springs volumes with twin-valve dampers – all managed by in-house-developed Adaptive Dynamics control software.



Every Range Rover also features an Active Locking Rear Differential. This optimises traction from the rear axle during high-speed cornering, on slippery surfaces and during off-road wheel articulation, delivering enhanced capability and driver confidence.

### **Electrified efficiency**

The New Range Rover maintains its compelling combination of effortless performance and peerless refinement with a comprehensive line-up of advanced six- and eight-cylinder powertrains. Spearheading Land Rover's Reimagine strategy, a pure-electric model will join the family in 2024, bringing full-time zero tailpipe emissions driving to the Range Rover for the first time.



The New Range Rover provides electrified performance with a choice of new Extended Range Plug-in Hybrid Electric Vehicle (PHEV) powertrains<sup>5</sup>, the P440e and P510e, and the latest mild-hybrid (MHEV) P400 Ingenium petrol and D300 and D350 diesel engines. A powerful new petrol flagship – the P530 Twin Turbo V8 – delivers increased refinement and performance and is 17 per cent more efficient than the previous Range Rover V8.

The new Extended-Range PHEVs combine the inherent refinement of Land Rover's in-line six-cylinder Ingenium petrol engine with a 38.2kWh lithium-ion battery – with usable capacity of 31.8kWh – and a 105kW electric motor integrated with the transmission.

Together, the powertrain provides up to 100km (62 miles) of near-silent pure-electric driving. With instantaneous electric torque the new P510e accelerates from 0-60mph in 5.3s (0-100km/h in 5.6s).

The state-of-the-art PHEVs can reach up to 140km/h (87mph) allowing customers to enjoy the New Range Rover as an EV-only model for most journeys in town and country, with overall CO<sub>2</sub> emissions lower than 30g/km Typical Range Rover customers will be able to complete up to 75 per cent of trips using electric power only if they begin each journey with a full charge. The clever packaging of the battery, beneath the vehicle and within the wheelbase, ensures both luggage space and all-terrain capability are uncompromised.

The use of advanced eHorizon navigation data also allows the hybrid system to optimise energy usage across a journey, to provide a peaceful arrival at a destination on electric power, while also optimising EV usage for travel in low emissions zones.

The six-cylinder petrol and diesel engines feature the latest 48-volt MHEV technology which harvests energy usually lost under deceleration and braking to boost fuel efficiency. The system's clever belt-integrated starter motor ensures more responsive and refined operation of the stop-start system and provides extra assistance to the engine when accelerating.

### **Exquisite personalisation**

The New Range Rover SV will provide an exquisite interpretation of Range Rover luxury and personalisation, giving customers even more scope to create a truly individual vehicle with a choice of exclusive design themes, details and material choices from SV.

This hand-crafted model will be the first vehicle to carry the new ceramic SV roundel and simplified naming strategy – known simply as SV. The SV roundel represents the distillation of Special Vehicle Operations' design and engineering passion for modern luxury, performance and capability. The SV roundel will identify all new Land Rover vehicles launched by Special Vehicle Operations in future.

### **New quality benchmark**

The New Range Rover has been designed, developed, and engineered in the UK and, during this process, Land Rover has filed no fewer than 125 patents covering everything from its pioneering chassis technologies to its PHEV battery. Land Rover's engineers used motorsport-derived simulation technology to put the vehicle through its paces in the virtual world more comprehensively and intensively than ever, completing more than 140,000 hours of computational analysis prior to physical testing.

A fleet of prototypes then embarked on a punishing global test and development programme, taking in extreme temperatures ranging from the 45C heat of the desert to the -30C cold of the Arctic.

The New Range Rover will be produced exclusively at the Solihull Manufacturing Facility in the UK, using a state-of-the-art production line housed in the building used to produce early Series Land Rovers. The historic building is the spiritual home of Land Rover and its reimagining as a new, ultra-modern centre for Range Rover production showcases the way the company protects its heritage. The New Range Rover is available to order now, priced from £94,400 in the UK. Configure yours at: <https://www.landrover.co.uk/new-range-rover>





# ULTIMATE ARCTIC ADVENTURES ON ICE WITH JAGUAR AND LAND ROVER



- **Book your Ice Academy experience now, availability for January to March 2022, at:**  
[jaguar.com/experiencesweden](https://www.jaguar.com/experiencesweden) | [landrover.com/experiencesweden](https://www.landrover.com/experiencesweden)

Jaguar Land Rover Ice Academy 2021 film: <https://youtu.be/eHwwuKqOfe0>

Jaguar and Land Rover are delivering pure exhilaration at the Jaguar Land Rover Ice Academy on the edge of the Arctic Circle, combining invaluable winter driving skills with unforgettable thrills.

The new 2022 Jaguar Land Rover Ice Academy has five itineraries, all based at Arjeplog, Sweden. Each one features the Jaguar F-TYPE sports car, Jaguar F-PACE performance SUV, iconic Land Rover Defender and Range Rover Velar. Advanced drivers can also get to grips with the all-electric Jaguar I-PACE.

The Jaguar Land Rover Ice Academy is an opportunity to drive these world-class vehicles to their fullest capability and truly immerse yourself in your surroundings with a range of extraordinary lifestyle activities.

Five experiences cater for every level of expertise, from first timers to those wanting to polish their ice-driving skills. Customers can choose two, three or four-night trips, all with support from highly trained experts. The Ice Academy is popular with sports stars and celebrities. World heavyweight boxing champion Anthony Joshua, actor Luke Evans have all experienced the thrills. Hollywood star Evans said when he visited as a guest last year: *“Testing the cars on the lakes and tracks was extraordinary. Learning how to drift around the corners was really fun.”*

The four experiences cater for every level of expertise from first-timers to those wanting to polish their ice-driving skills. Customers can choose three or four-night trips.

**Phil Jones, Ice Academy Lead Instructor, said:** *“Everything about the Jaguar Land Rover Ice Academy will take your breath away – from the power of the Jaguar F-TYPE and the all-terrain capability of the Land Rover Defender to the spectacular Arctic landscape. Whichever ice drive you choose, you’ll be honing your winter driving skills in the most exciting way imaginable.”*

The new, customisable Ice Drive Lite itinerary offers a full day of driving on a two-night trip with your choice of Jaguar F-PACE or Land Rover Defender. There's a chance to upgrade your vehicles during your three afternoon sessions on our tracks; The Circle, Handling Circuit 1 and the Slalom. Available as either a three-day weekend or four-day midweek experience, the Ice Drive itinerary includes two days driving on the ice, plus a 'hot lap' passenger ride with an instructor in an F-TYPE.

There's also a visit to the Jaguar Land Rover Cold Climate Test Centre – the secret zone where new models are put through their paces ahead of release.

The five-day Ice Drive Plus itinerary includes four nights with a minimum three days of driving, plus optional lifestyle activities including a trip to the Arctic Circle, husky sled tours and snowmobile safaris.

For more experienced drivers the four-day Ice Drive Advanced and five-day Advanced Plus itinerary are a marked progression from the standard programmes. You begin with a refresher course and there's some one-on-one tuition. You will also have the opportunity to drive the Jaguar I-PACE on the ice.

All five ice drives offer authentic Swedish accommodation at the Hotel Silverhatten, with stunning views of lakes and mountains to enjoy when customers aren't sliding around the frozen tracks.

There's also a plus-one itinerary that gives your non-driving companion the chance to enjoy a choice of daily Arctic activities while you're honing your skills at the Jaguar Land Rover Ice Academy.



Each Jaguar Land Rover Ice Academy itinerary incorporates coronavirus precautions, aligned with the local Government Guidelines to keep guests safe.

Book your next driving adventure at the [Jaguar Land Rover Ice Academy website](#). Prices from £2,500 per person (excluding flights, visa fees and travel insurance).

Follow: [@jaguarlandrovericeacademy](#)

### LAND ROVER ADVENTURE TRAVEL

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On our Namibia holidays, take the world's most capable vehicle across Africa's most stunning landscapes, including the chance to see the 'big five' wandering the wilderness of this untamed land. Alternatively, take the ultimate off-road challenge through the stunning red rock landscapes of Moab, Utah. The Jaguar Land Rover Ice Academy steps you into the frozen wilds of the Arctic Circle. From exhilarating ice driving, to exploring Lapland's fairy tale forests, experience the very best Sweden has to offer.

Find out more – [landrover.com/adventuretravel](https://landrover.com/adventuretravel)



## The Hotel Silverhatten

# SEMICONDUCTOR SHORTAGE CONTINUES TO CONSTRAIN SALES AND PROFITABILITY IN Q2 DESPITE STRONG DEMAND

Jaguar Land Rover Automotive plc today reported its financial results for the three months to 30 September 2021. The global semiconductor supply shortages continued to constrain sales volumes and revenue in line with expectations and resulted in a loss, however, the cash outflow was significantly better than anticipated.



Wholesales to dealers in the Quarter were 64,032 vehicles, down 12.8% year-on-year, and retail sales (including the China Joint Venture) were 92,710 vehicles, down 18.4%, reflecting the semiconductor shortage and lower retailer inventories. Retail sales were lower year-on-year in most regions, including North America (-15.6%), China (-6.3%), Europe (-17.0%), and in the UK (-47.6%), but were up in our Overseas region (+10.0%). Retail sales of all models were lower year-on-year except for the new Land Rover Defender, which retailed 16,725 vehicles, up 70.4% year-on-year, making it our bestselling model in the quarter. The mix of electrified vehicles (BEV, PHEV and MHEV) reached 66%.

For the Quarter, revenue was £3.9 billion with a pre-tax loss of £302 million (EBIT margin -4.7%). The free cash outflow was £664 million, after £484 million of investment spending and £501 million volume-related working capital outflow. This was significantly better than prior guidance for a £1 billion free cash outflow, reflecting prioritised production of higher margin products and cost controls to reduce the cash break-even point for the Company.

Jaguar Land Rover ended the quarter with total cash and short-term investments of £3.8 billion, after the issuance of €500 million 7-year and \$500 million 8-year bonds, resulting in total liquidity of £5.9 billion (including a £2.0 billion undrawn revolving credit facility).

Despite the impact of the semiconductor shortage on production and sales, the Company continues to see strong demand for its products with global retail orders at record levels of more than 125,000 vehicles.

**Adrian Mardell, Jaguar Land Rover's Chief Financial Officer, said:**

*“The global shortage of semiconductors continued to constrain our production, sales and financial performance in the second quarter, but we're encouraged to see the continuing strong demand for our products with order books at new record levels. We were pleased the cash outflow on these volumes came in significantly better than expected, reflecting the progress we are making to reduce the break-even point for the business through product mix optimisation and cost controls.”*

Jaguar Land Rover continues to progress its ambitious product plans under the Reimagine strategy. The Company revealed the much-anticipated new Range Rover and opened the order books in October. The new Range Rover is the true embodiment of Jaguar Land Rover's vision for Modern Luxury by Design. It will be built on new bespoke flexible Modular Longitudinal Architecture (MLA), which provides four, five or seven seat options, and a range of electrified powertrains – allowing for plug-in hybrid models which provides CO<sub>2</sub> emissions below 30g/km, with a WLTP certified pure-electric driving range of up to 100km (62 miles)<sup>1</sup> and a pure-electric model to be introduced by 2024 - bringing full-time zero tailpipe emissions driving to the Range Rover for the first time.

Driven by the company's Reimagine strategy to achieve net zero emissions by 2039, Jaguar Land Rover is partnering with COP26 ahead of the vital climate change summit in Glasgow in November. Jaguar Land Rover will be providing a fleet of electrified vehicles to world leaders and delegates attending the summit, including the multi award-winning all-electric performance SUV Jaguar I-PACE, as leaders and their teams travel to and from the venue.

The Refocus transformation programme aims to achieve £1 billion of value in FY22 and has achieved about £0.5 billion in the year to date. The quality pillar of the programme is seeing good progress, Jaguar Land Rover took 1<sup>st</sup> place in the J.D. Power US APEAL study and was most improved in the recent J.D. Power US Initial Quality Study.

Looking ahead, the semiconductor shortage remains dynamic and difficult to forecast, however, the Company expects to see a gradual recovery starting in the second half of Fiscal 2022. While supply remains constrained, the Company will continue to take mitigating actions, including prioritising the production of higher margin vehicles for the available supply of semiconductors and closely managing costs to bring down the break-even point for the business. Furthermore, we are taking measures to increase the future visibility and control over semiconductor supply for our vehicles, working closely with semiconductor and tier one suppliers. As a result, Jaguar Land Rover expects the EBIT margin and free cash flow (before restructuring costs) to turn positive in the second half of Fiscal 2022.

Our medium- and longer-term financial targets under the Reimagine strategy, underpinned by the Refocus transformation programme, remain unchanged, including increasing EBIT margins to 10% or more by FY26.

**Thierry Bollere, Jaguar Land Rover's Chief Executive Officer, said:**

*“The global semi-conductor shortage remains challenging, but I'm pleased to see the actions we have been implementing reduce the impact. With strong customer demand with a record order book we are well placed to return to strong financial performance as semiconductor supply begins to improve. At the same time, we continue to execute our Reimagine strategy to realise the full potential of the business and create the next generation of the most desirable luxury vehicles for the most discerning of customers – starting with the stunning new Range Rover.”*

# DISCOVERY SPORT D180 SE

## quick test

We had this for a day while the Discovery 5 was having a rear door bass speaker looked at.



The Disco Sport along with the Evoque is Land Rovers most popular seller, you see them everywhere. This 2022 model had a lot of features we really liked, inside just about everything was black, including the headlining. Odd bits of trim were finished in a dark grey carbon fibre effect which was a great contrast. On the road it felt well planted and cornered well with next to no body roll with the fast, responsive steering (better than my 19 plate D5 dare I say) and the suspension was firm and more car like than the Discovery 5.

The engine was perky and picked up the pace when required, just enough to do what you wanted and without catching you out and getting you into trouble, nice and predicable. Outside, these are smart looking cars, no doubt about that (OK black is my personal favourite car colour), the dark grey rims set it off to a Tee as I've never liked the standard silver sparkle finish most Land Rovers seems to come with.



The tailgate and rear as a whole look better than the bigger Disco as the Sport is a smaller vehicle, so you miss the barn door effect that the D5 gives.



The centre-lined number plate also helps with this. The exhaust trims are a massive help too, my D5 came without these which was I think a bad money saving move by Land Rover, which seems to have been now corrected, going by the rear ends of the cars in the dealer's car park. My D5 now wears aftermarket dummy trims, which help to correct this.

#### **LIKES;**

Rear view  
Glass like switch panel under the Sat Nav, replacing buttons  
Exhaust trims, look sporty  
The dark grey multi-spoke wheels

#### **DISLIKES;**

Rear wiper, would be better top mounted out of sight  
Sat Nav screen smaller than the Disco 5's  
No room for arm rests on the front seats  
The "Command Style" gear shifter, we love the rotary one's  
Bigger rims would look even better and fill the arches, a lot of Land Rovers are like this as standard, possibly to encourage buyers to pay more?

If the pad on the cubby box slid forward, it would help with the lack of arm rests.

Would we buy one? Yes, has a second car if we still had a young family etc, we would love one but couldn't say as we would ever replace the "full fat" Discovery with one, as much as we liked this as a loan car.

Landynews.online Editors.



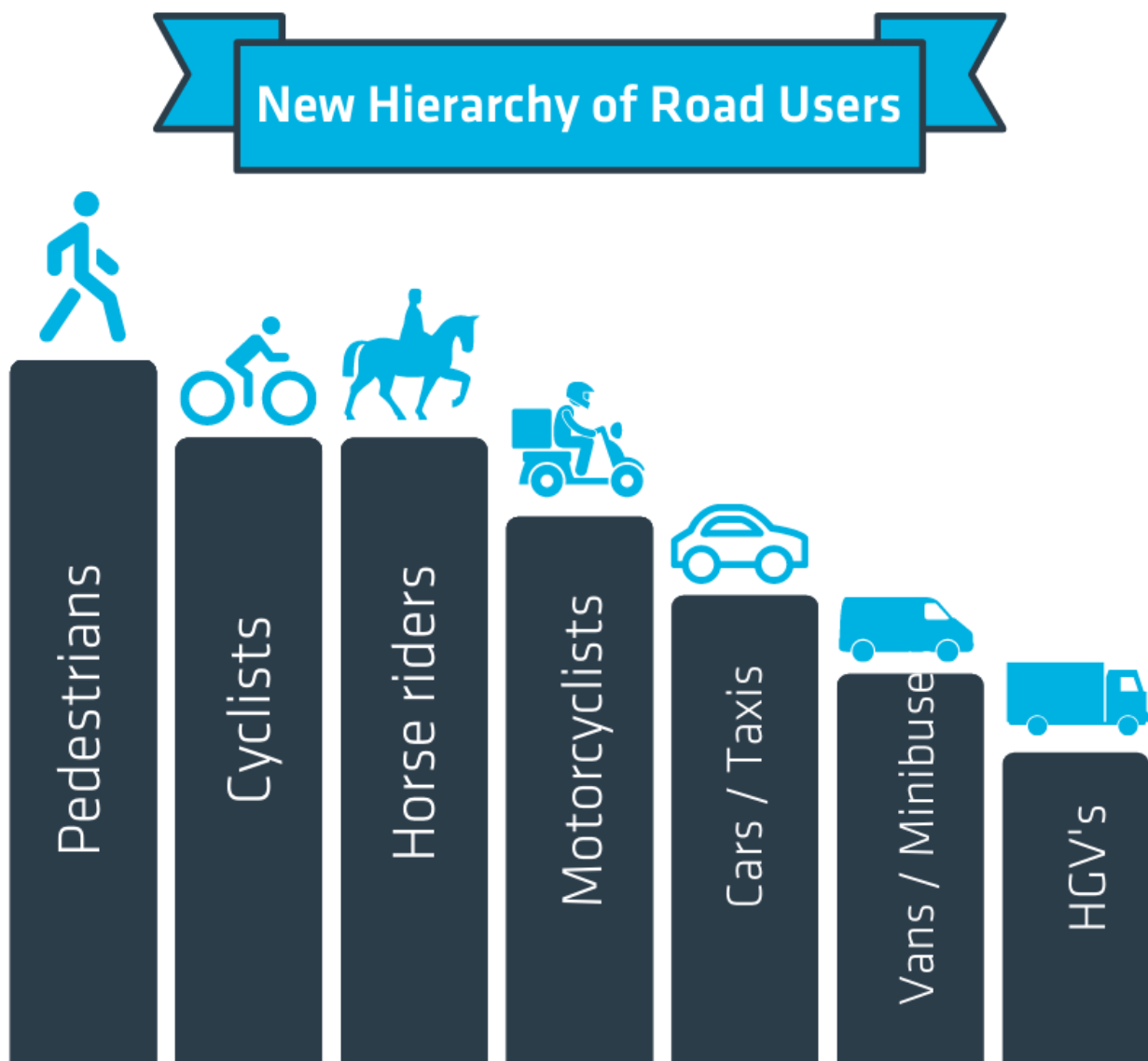
# Code breaker...motorists in danger of breaking the new “rules of the road”

The UK’s leading road safety charity, IAM RoadSmart, has warned that a lack of communication from the government regarding the sweeping changes to the Highway Code set to come into force on the 29<sup>th</sup> January means that many motorists will be running the risk of inadvertently breaking the rules of the road.

Indeed, four new rules and 49 changes to the Code include the requirement for drivers to give way to pedestrians at a junction, as well as a new risk-based ‘Hierarchy of Road Users’, which places more responsibility on the drivers of larger vehicles to look after more vulnerable road users such as cyclists and pedestrians.

And while IAM RoadSmart has welcomed some of the changes, the charity has cautioned that the new rules will be of very little benefit if the public aren’t made aware of them.

Neil Greig, Director of Policy and Research at IAM RoadSmart, commented: “There is very little evidence from trials or pilot schemes that the new hierarchy or rules will help people feel safer undertaking active forms of travel, which has huge benefits in terms of personal health, local communities and the environment.





The vast majority of people won't have read the Highway Code for many years, meaning it is absolutely essential that changes are communicated in a simple, memorable and timely fashion. Unfortunately, this has not been the case so far, meaning there is now huge potential for more conflict on the roads rather than less.

"IAM RoadSmart will continue to inform its members and the wider public about such changes, but the government must also do more to effectively raise awareness of changes coming in just under a weeks time, ensuring Britain's world leading road safety record is not put at risk."

Concerns are also shared by bodies representing motorcyclists, who have asserted that the Code has neglected the needs of motorcyclists.

**Craig Carey-Clinch, Executive Director of the National Motorcyclists Council,** added: "Consultation with motorcycle user groups during the early development phase of the new code was absent, so the new Code very much reflects inputs and changes in relation to support for other active travel modes. As a result, the new rules do not fully reflect the needs of motorcyclists as vulnerable road users.

"The NMC is also concerned about the creation of a transport mode hierarchy, as this can give the impression that some road user groups are responsible for keeping others safe, when it is absolutely vital for road safety that 100% of road users take responsibility for their own safety 100% of the time – this approach would reduce conflicts on the road and ensure that safety is improved for all."

Despite such concerns, bodies representing other vulnerable road users have welcomed the new hierarchy of road users.



**Alan Hiscox, Director of Safety at The British Horse Society (BHS),** added: "The BHS welcome these crucial changes to the Highway Code. They are a significant step forward for equestrian road safety and will help protect vulnerable road users, making the roads safer for everyone."

"I am pleased that the BHS was able to represent the equestrian community within the Highway Code stakeholder group, alongside other vulnerable user groups, to ensure that all equestrians were included in the changes."

"Our Dead Slow campaign messaging about how to pass horses safely on the roads will be included, as well as reducing the advisory speed to pass a horse from 15mph to 10mph and including horses alongside cyclists in the hierarchy of road users."

For a range of graphics which illustrate the new Highway Code rules, please follow this link, [www.dropbox.com/sh/q77u74wqwjhkgpr/AACysxlsALqasfqwl1FRd7dxa?dl=0](https://www.dropbox.com/sh/q77u74wqwjhkgpr/AACysxlsALqasfqwl1FRd7dxa?dl=0)

And to learn more about IAM RoadSmart, visit [www.iamroadsmart.com](http://www.iamroadsmart.com).

# JAGUAR LAND ROVER INTRODUCES AMAZON ALEXA ACROSS ITS VEHICLE PORTFOLIO

- Jaguar Land Rover announces Amazon Alexa across the range of Jaguar and Land Rover models equipped with the Pivi Pro infotainment system
- Alexa enables drivers to control navigation and music, manage calendars, hear the news, check the weather and control smart home devices just by asking – and with no phone required
- Seamless integration with Pivi Pro makes voice control simple and intuitive so customers can make more of their world while keeping their hands on the wheel and their eyes on the road
- From asking how much range you've got to making sure the doors are locked, you can check on your vehicle wherever you are with the Jaguar and Land Rover Remote Skill for Alexa (UK and US customers only)
- In addition to Pivi Pro, the Jaguar and Land Rover Remote Skill for Alexa is also available on all respective Jaguar and Land Rover models with the Touch Pro infotainment system (UK and US customers only)
- Alexa will be made available to more than 200,000 existing owners of compatible Jaguar and Land Rover models with Pivi Pro via a software-over-the-air update
- Owners will be notified via a message displayed in their vehicle's touchscreen and will be able to find out more about Alexa and how to activate [here](#) for Jaguar and [here](#) for Land Rover

## LAND ROVER & AMAZON ALEXA: MAKE EVEN MORE OF YOUR WORLD

Amazon Alexa is now integrated with Land Rover's Pivi Pro infotainment system, bringing intuitive, natural voice control\*. Ask Alexa to play music with the embedded Spotify app, make a call or find a coffee shop



	<b>NAVIGATION</b> Alexa works seamlessly with the Land Rover navigation system. Set destinations and search for nearby locations	<b>ASK ALEXA:</b> "Alexa, show me nearby coffee shops" "Alexa, navigate me to home"
	<b>MEDIA</b> Use Alexa to play music from many streaming services. It works with the embedded Spotify app*, combining the simplicity of voice control with the familiar Spotify experience	"Alexa, play Adele" "Alexa, play my adventure playlist"
	<b>COMMUNICATE</b> Make calls and check messages while keeping your hands on the wheel and eyes on the road	"Alexa, call Natalie" "Alexa, send a message to Ajay"
	<b>LISTS, KNOWLEDGE AND WEATHER</b> Check the weather, hear the news, set meetings and check your schedule	"Alexa, what's the weather like tomorrow?" "Alexa, what are the news headlines?"
	<b>SMART HOME CONTROL</b> Control features such as heating and lighting from your Land Rover while you're still on the road†	"Alexa, turn on my outside lights" "Alexa, switch on the heating"
	<b>LAND ROVER REMOTE SKILL</b> Control and interact with your Land Rover wherever you are by using the Land Rover Remote Skill on your Alexa-enabled device, or in the Alexa app†	"Alexa, ask Land Rover to check my range" "Alexa, ask Land Rover to lock my car"

\*Should be used by drivers only when safe to do so. Drivers must ensure they are in full control of the vehicle at all times. Amazon Alexa is available in specific markets only. Amazon, Alexa, Amazon Music, Audible and all related marks are trademarks of Amazon.com, Inc. or its affiliates. Certain Alexa functionality is dependent on smart home technology. †Always updating the number of media streaming providers that are supported. The following providers have been certified for use: Spotify, Tunes, Deezer, Amazon Music, Audible, Kindle, HearstAudio and Pandora. ‡Products and services required for smart home functionality. †UK and US Markets only.

Amazon Alexa app requires linking to your Land Rover InControl account by scanning a QR code on the infotainment screen. Amazon Alexa is delivered as part of the Online Pack subscription and will be made available to existing customers through a software-over-the-air update. A 12 month subscription is required. Online Pack is available in connected markets only for 5 specification packs and above.

**Amazon Alexa will be available on all new and existing Jaguar and Land Rover vehicles fitted with its advanced Pivi Pro infotainment system. Owners of compatible vehicles will be able to enjoy the benefits of intuitive voice-enabled experiences thanks to a software-over-the-air update.**

The seamless integration brings the familiar Alexa experience into the vehicle and provides natural voice interaction with Pivi Pro's features including navigation, media playback, phone calls, and compatible smart devices.

As part of Jaguar Land Rover's Reimagine strategy, this represents a step-change in its connected services capability and will deliver a modern luxury experience for customers. It will also accelerate Jaguar Land Rover's transformation into a digital leader in the automotive industry.

The engineering teams from Jaguar Land Rover and Amazon worked in close partnership to ensure the seamless integration of Alexa with Pivi Pro. This collaborative approach to development ensures that customers will enjoy the same Alexa experience in their vehicles that they already know and love from home, and benefit from even greater functionality in the future.

The Alexa voice experience is intuitive to use, making it easy for customers to operate while keeping their hands on the wheel and eyes on the road. Requests such as 'Alexa, navigate me to home', 'Alexa, play my chill-out playlist' and 'Alexa show me nearby coffee shops' can all be done by voice, without touching Pivi Pro's touchscreen. Alexa also enables customers to check the news, the weather and manage their schedule or shopping list, just by asking.

**Alex Heslop, Director of Electrical and Electronic Engineering, Jaguar Land Rover, said:** *"The seamless integration of Amazon Alexa with our Pivi Pro infotainment system gives customers simple, intuitive voice control of regularly used features, making the driving experience even more enjoyable. The fact we can also offer this new feature to existing customers proves the value of our software-over-the-air-updates."*



**Christian Mentz, Head of Alexa Automotive International, said:** *"Customers around the world interact with Alexa billions of times each week, making life easier, more productive, and more fun. We're excited to deliver that same delightful, convenient experience to Jaguar and Land Rover customers – and because Alexa is always getting smarter, new features and capabilities will be added over time and delivered to their vehicles automatically."*

Alexa was first revealed on the New Range Rover and will now be offered across the portfolio of Jaguar and Land Rover vehicles. More than 200,000 existing owners of models fitted with Pivi Pro will also be able to benefit from the new technology thanks to a software-over-the-air (SOTA) update. The update showcases how Jaguar Land Rover's SOTA technology can enable customers to enjoy the latest technological developments without having to visit their Retailer.

Set-up is easy: all customers have to do is link Alexa to their InControl<sup>6</sup> account by scanning a QR code on the Pivi Pro touchscreen and then follow a few simple steps.

### **Jaguar and Land Rover Remote Skill for Alexa**

Skills are like apps that help you do more with Alexa. Jaguar and Land Rover Alexa customers in the UK and US will be able to control and check on their vehicle wherever they are using the Jaguar and Land Rover Remote Skill and any Alexa-enabled device. 'Alexa, ask Jaguar to check my range', 'Alexa, ask Jaguar to start the climate', 'Alexa, ask Land Rover if my car is fully charged' or 'Alexa, ask Land Rover if my doors are locked' are just some of the features customers can access.

In addition to Pivi Pro, this functionality is also available to customers in these markets with vehicles equipped with the Touch Pro infotainment system.



*Above; the 2022 model year Range Rover with Alexa*

## LAND ROVER PHOTO'S, TOO GOOD NOT TO USE



**Above;**  
*One of our old file photos of a cut-away  
Discovery 3 on display at a car show.*

*We wonder what happened to it and does  
it still survive?*

**Left;**  
*Raptor keeps an eye on things in a  
Discovery 1 at one of the Convoy for  
Heroes events. Gives a whole new  
meaning to "Picking up a bird"*

# Project Zeus

## JAGUAR LAND ROVER TO DEVELOP HYDROGEN-POWERED DEFENDER FUEL CELL PROTOTYPE

- Jaguar Land Rover announces hydrogen concept to be based on New Land Rover Defender
- Hydrogen fuel cell electric vehicle (FCEV) prototype to begin testing
- Hydrogen FCEVs forecast to top 10 million by 2030 with 10,000 refuelling stations worldwide\*
- Project part of company's aim to achieve zero tailpipe emissions by 2036 and net zero carbon emissions across supply chain, products and operations by 2039

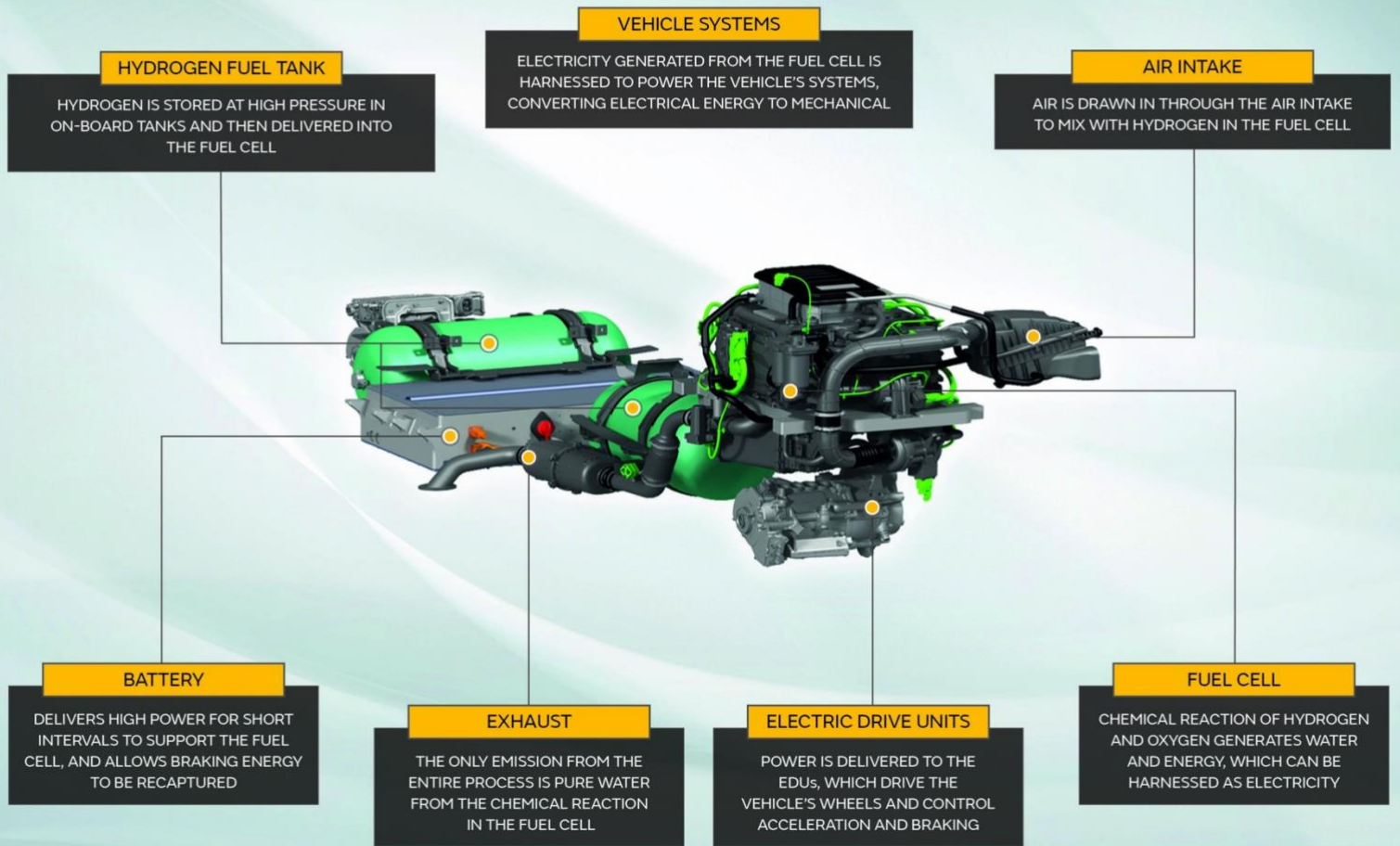
**Jaguar Land Rover** is developing a prototype hydrogen fuel cell electric vehicle (FCEV) based on the new Land Rover Defender, testing was scheduled to begin in 2021.

The **FCEV** concept is part of Jaguar Land Rover's aim to achieve zero tailpipe emissions by 2036, and net zero carbon emissions across its supply chain, products and operations by 2039, in line with the Reimagine strategy announced last month.

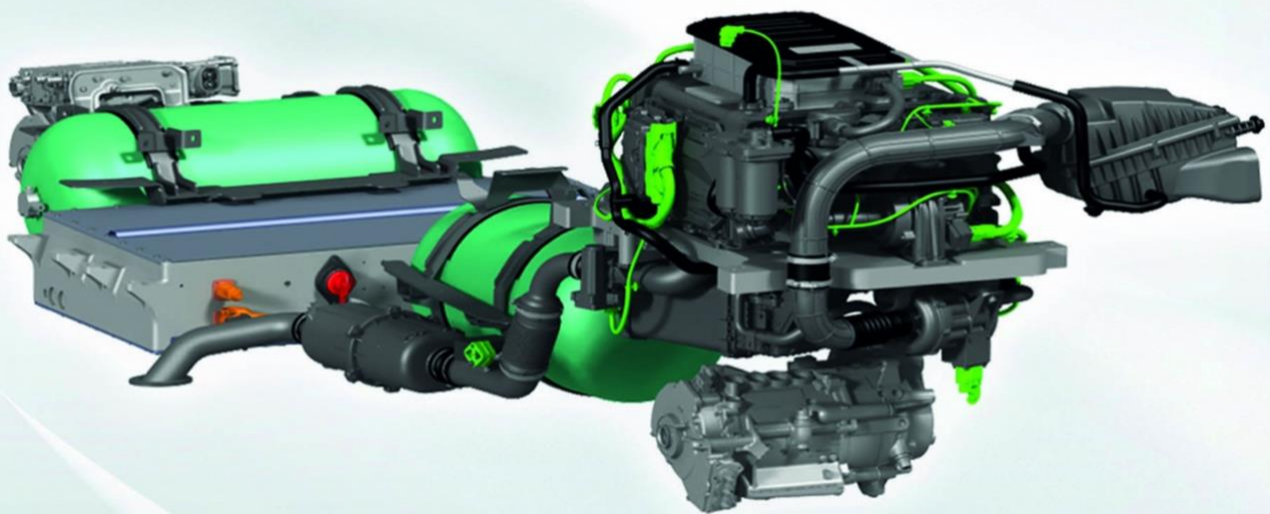
FCEVs, which generate electricity from hydrogen to power an electric motor, are complimentary to battery electric vehicles (BEVs) on the journey to net zero vehicle emissions. Hydrogen-powered FCEVs provide high energy density and rapid refuelling, and minimal loss of range in low temperatures, making the technology ideal for larger, longer-range vehicles, or those operated in hot or cold environments.



# HOW A HYDROGEN FUEL CELL ELECTRIC VEHICLE (FCEV) WORKS



Since 2018, the global number of FCEVs on the road has nearly doubled while hydrogen refuelling stations have increased by more than 20%\*\* . By 2030, forecasts predict hydrogen-powered FCEV deployment could top 10 million with 10,000 refuelling stations worldwide\* .



Jaguar Land Rover's advanced engineering project, known as **Project Zeus**, is part funded by the government-backed Advanced Propulsion Centre, and will allow engineers to understand how a hydrogen powertrain can be optimised to deliver the performance and capability expected by its customers: from range to refuelling, and towing to off-road ability.

The zero-tailpipe emission prototype New Defender FCEV will begin testing towards the end of 2021 in the UK to verify key attributes such as off-road capability and fuel consumption.

To deliver Project Zeus, Jaguar Land Rover has teamed up with world class R&D partners, including Delta Motorsport, AVL, Marelli Automotive Systems and the UK Battery Industrialisation Centre (UKBIC) to research, develop and create the prototype FCEV.

### Ralph Clague, Head of Hydrogen and Fuel Cells for Jaguar Land Rover, said:

*"We know hydrogen has a role to play in the future powertrain mix across the whole transport industry, and alongside battery electric vehicles, it offers another zero tailpipe emission solution for the specific capabilities and requirements of Jaguar Land Rover's world class line-up of vehicles. The work done alongside our partners in Project Zeus will help us on our journey to become a net zero carbon business by 2039, as we prepare for the next generation of zero tailpipe emissions vehicles."*

#### Editors' notes:

\* [Hydrogen Council](#)

\*\* [International Energy Agency \(IEA\)](#)

## Product test

### New footwell lights for the Discovery 5 from PowerfulUK.com

We had been looking at these for a while and ended up getting a pair for Christmas. There is a massive difference in the light output between the old and the new.

*Here is the factory part under the passenger glovebox, as you can see there are only two small LEDs in there.*







Now here's the new PowerfulUK part, a direct swop, all you have to do is unplug the old and connect the new then replace back in the mounting hole.

As you can see on the box label photo there is a fitting video available on their web site.

Our Discovery 5 has the same parts under the front seats so the rear passengers can see where to put their feet, so with time they will be replaced to match. These lamps give you the ambient lighting effect that was on our Evoque but better.

It appears that the same parts are used for the load area and tailgate lights too, so they will get changed at some point later.

The Discoverys cavernous load area is black on a dark night, these will do a far better job of letting you see what you are doing.



We had white on door opening/engine turn off, fading to a less intense white while driving. But you can mix colours if you like, say white fading to red or blue etc.

They have a range of other options to choose from. You can have lights with all three colours but to swop colours you must move a jumper connector on the back



Left;

*The light is so good from the footwells now, they light up the ground better than the under-door lamps do*

You can replace the under-door card puddle lights with similar parts from PowerfulUK as well.

Landynews.online Team

## **FINAL THOUGHT FROM THE TEAM**

**Some news regarding the expected sales of electric powered cars this coming year.**

### **From DriveElectric**

**UK motorists predicted to buy over 330,000 new electric vehicles in 2022**

- **DriveElectric forecasts show that at least 330,000 new battery electric vehicles (BEVs) will be registered in the UK in 2022**
- **Significant rise in EV sales despite production only fully ramping up in the second half of 2022**

At least 330,000 new battery electric vehicles (BEVs) will be registered in the UK in 2022, according to figures from DriveElectric, one of the UK's leading electric vehicle leasing companies.

This figure is based on DriveElectric's own forecasts, and it represents a significant increase from 183,000 - the number of battery electric vehicles (cars and light vans) expected to have been registered in the UK in 2021. The figure of 330,000 - which is around 16% of all new sales (up from 10% in 2021) - does not include plug-in hybrids (PHEVs).

DriveElectric uses its own model built from its intelligence of the UK market to forecast registrations of battery electric cars and vans. Background issues behind the forecast include:

- Vehicle shortages, primarily due to semiconductor supply issues, are expected to remain until around mid-2022 - demand continues to outstrip supply until then
- EV production from a large number of manufacturers' new factories will start in 2022, for example two new Tesla factories will treble the volume for a brand that was the UK market leader in December 2021
- Many new models, including the Tesla Model Y, will arrive in the UK
- There will be accelerated expansion of the public charging network, including rapid chargers, with ongoing improved reliability
- The home charger grant ends in March 2022 – this won't affect EV sales, but fewer people are likely to get chargers, and non-smart chargers will get used



- There will be a continued increase in UK energy prices

- UK businesses will move to reduce their corporate carbon footprint - leading to potential impact on sales of vehicles such as high-CO2 petrol SUVs.

Mike Potter, Managing Director, DriveElectric, says “EV registrations will continue to increase, however issues such as the semiconductor shortage will still have an impact on the availability of vehicles as we enter 2022. We see this challenge improving by mid-2022 and sales for the remainder of the year should offset the slow start, helped by yet more new EV models coming to market.”

Looking further ahead, DriveElectric sees particularly high numbers of EV sales from 2025 onwards (around 50% of registrations). Registrations of petrol and diesel vehicles will decline naturally ahead of the 2030 ban, as people will stop buying them due to poor residual values, which means higher lease costs, and as EV prices become competitive with prices of ICE vehicles.

At COP26 electric vehicles were seen as a key solution to help the UK achieve Net Zero greenhouse gas targets. EVs also help with the problem of local air quality, and have lower running costs than petrol and diesel vehicles. However a key factor in the rapid increase in EV adoption is that the vast majority of motorists vastly prefer the driving experience of EVs compared to petrol and diesel cars and vans.

DriveElectric is an electric vehicle leasing company that has been helping organisations and individuals to adopt EVs to save money, lower emissions and transition to low carbon energy since 2008. DriveElectric aims to make the switch to electric cars and vans simple for business fleets.

### **The new Range Rover Plug-in Hybrid (PHEV)**

With up to 62 miles electric only range (100 KM) zero-emissions driving. The 3.0-litre 6 cylinder Ingenium petrol engine with 105kW motor is available in P440e or P510e variants.

The new Plug-in Hybrid optimises efficiency and performance for all-electric (EV), Available to order from early 2022.

A full battery powered (PEV) model should also be available next year



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