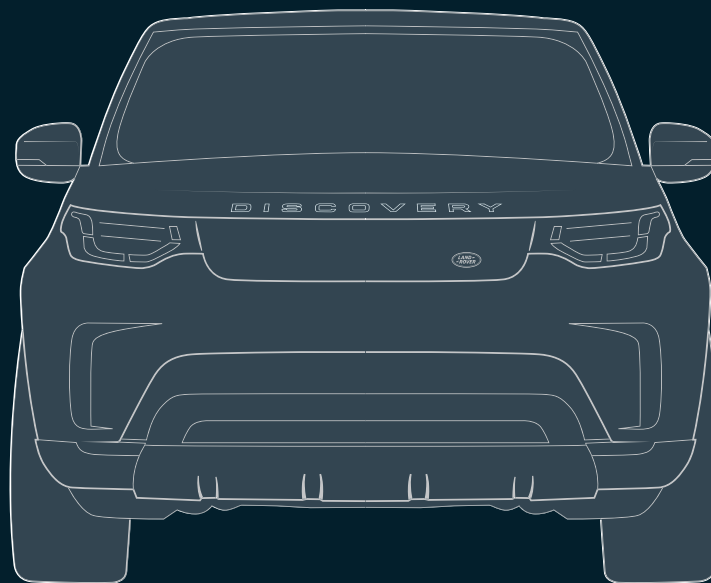


NEW



DISCOVERY



1989



1998



2004



2009



2016



# + CONTENTS

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NEW DISCOVERY

# INTRODUCTION

04 - 13



# THE ULTIMATE FAMILY SUV



## VERSATILITY

+ 7



**FULL-SIZE ADULTS**  
can be comfortably seated



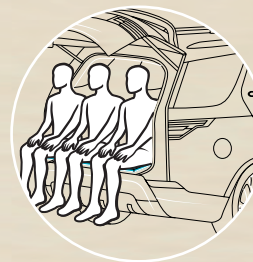
## INTELLIGENT SEAT FOLD

Seating can be reconfigured for maximum convenience using InControl Remote on your smartphone

+ 40mm



Number of millimetres that Auto Access Height automatically lowers the ride height by when the car is parked



+ 300kg

New Powered Inner Tailgate features a clever fold-down panel that can support up to three adults



+ 2,500

**LITRES**  
of storage behind row one

## CONNECTIVITY

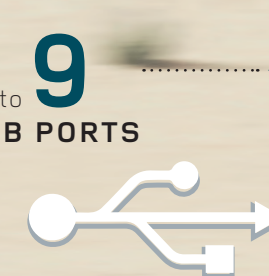
+ up to 6

**12V CHARGING POINTS**



## iPADS

can be stored in the hidden centre console area



+ up to 9

**USB PORTS**

+ 8

**DEVICES**  
can be connected to the 3G Wi-Fi hotspot

## CAPABILITY

+ 900mm

**WADING DEPTH**

+ 3,500kg

**TOWING CAPABILITY**

made easier with seven advanced towing technologies

+ AI

480kg

total weight saving thanks in part to the aluminium intensive architecture

## SAFETY

+ 12



Advanced Driver Assistance Systems (ADAS) provide peace of mind for the whole family

+ up to 5



**ISOFIX POINTS**

across all three rows



The New Discovery embodies Land Rover's drive to go Above and Beyond, combining British desirability with an unstoppable spirit of adventure. It's an authentic, three-row, seven-seat SUV with unbeatable capability and versatility.

Everyday ingenuity has been at the heart of the Discovery for the last 27 years. New Discovery signals the transformation from cogs to code

with more than 1.2 million customers with us on every step of the journey.

The fifth-generation model benefits from Land Rover's strong, safe and light full-size SUV architecture, delivering comfort and adaptability like no other.

The New Discovery is for the digital age. Ingenious technology keeps your family safe, connected and confident on all surfaces, all terrains and in all weathers to ensure your destination is reached.

New Discovery is highly desirable with unrivalled capability and technology like no other. It has been designed from the outset to enable Land Rover customers to live the lifestyle they aspire to. The result is the best family SUV in the world.

#### + THE 7 WONDERS OF DISCOVERY

SEVEN PRINCIPLES DESCRIBE THE ESSENCE OF DISCOVERY AND HAVE GUIDED ITS CREATION

##### 1\_ THE MAGNIFICENT SEVEN

Every seat is the best seat in the house

##### 2\_ A MUCH LOVED MEMBER OF THE FAMILY

Keeping you safe for the last 27 years

##### 3\_ KING OF THE HILL

Unstoppable on all surfaces, all terrains and in all weathers

##### 4\_ BRITISH CREATIVITY

Designed with charm and sophistication, loved by the world

##### 5\_ STORAGE ADDICTION

Discover the space for everything

##### 6\_ CONNECTS EVERY GENERATION

Ingenious features that make life easier

##### 7\_ AFTER THE ROADS END

Reaching threatened habitats and vulnerable people





INTRODUCTION

# A NEW DISCOVERY? THAT'S CHILD'S PLAY...

The vehicle shown is wrapped in a camouflage designed by the families of Land Rover engineers and designers

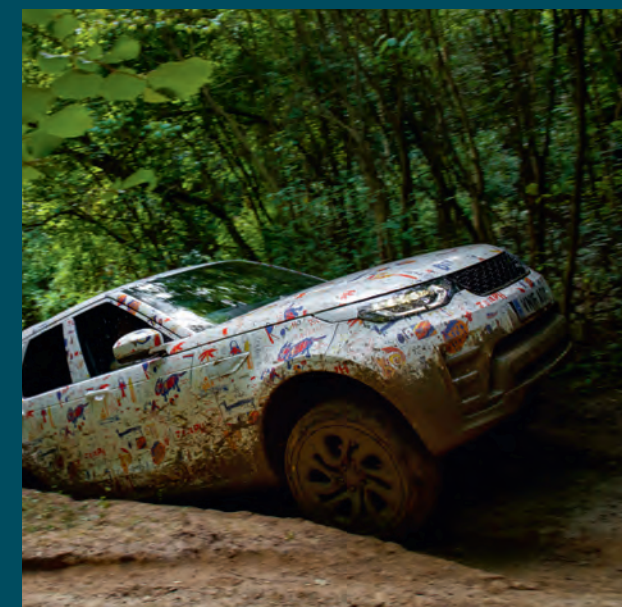


## + THE ULTIMATE FAMILY CAR

In order to create the world's most capable family SUV you must first understand the needs of the world's most capable families. That's why Land Rover's designers and engineers take their work home with them. Throughout the thousands of hours of testing and development, the children of Land Rover engineers and designers helped to test, challenge and represent the needs of the modern family.

So who better to create the final camouflage design for New Discovery than the junior brains who already knew the new vehicle inside out? Tasked with hiding New Discovery's design details, the children, aged between four and nine, set to work on drawing their families on their favourite days out and, of course, signing their name against their work. The finishing touch? A thick coat of mud applied as the New Discovery proved its world-class capability to seven happy family members inside.

Land Rover's Chief Product Engineer for New Discovery, Alex Heslop, explained the role of the youngest members of the team: "They don't always realise it but the kids have played a major role in developing New Discovery. There is no better insight into the needs of the modern family. That's why we have up to nine USB ports to charge everyone's devices, why we've got space to hide four iPads away safely and securely and why every seat has been designed to be the best seat in the house."







INTRODUCTION

# 27 YEARS – THE EVOLUTION OF DISCOVERY

1989

A new Land Rover is born – Discovery 1 is launched at the Frankfurt Motor Show, positioned as a ‘lifestyle accessory’.

Seven-seat interior wins British Design Award.



1994

Discovery 1 is facelifted.

Land Rover America undertakes historic journey of Discovery on La Ruta Maya, Belize.



1998

Two Discovery 2 SUVs are driven 30,000 miles around the world and onto the stand at the Paris Motor Show for its public debut.

‘Behind the evolution lies a revolution’ – 13,500 new parts introduced.

Longer body enables sixth and seventh passengers to sit in forward-facing seats.

Hill Descent Control introduced.

2004

Discovery 3 launched at the New York Motor Show.

Fully Independent Air Suspension and Integrated Body Frame technology introduced.

Multiple new traction control systems introduced – 4-wheel Electronic Traction Control (4ETC) and Dynamic Stability Control (DSC).

Terrain Response introduced, later winning a Queen’s Award for Innovation.



2006

Participates in the G4 Challenge.

2009

Discovery 4 launched.



2012

One millionth Discovery rolls off the Solihull production line.

8,000-mile expedition from Birmingham to Beijing raises over £1 million for the International Federation of Red Cross and Red Crescent Societies.



2016

New Discovery launched.

1987

Approval is given to develop a third Land Rover.

Codenamed Project Jay, it is the first Land Rover to be designed entirely using CAD technology.

1990

Five-door model goes on sale.

Three and five-door chosen as Camel Trophy team vehicle.

1995

Becomes the bestseller in the Land Rover range for the first time.

1999

The first SUV to introduce twin airbags for front seat passengers.

2007

Breaks new ground by completing the 5,000-mile ‘Road to the Clouds’ expedition in Argentina.

2008

Discovery 3 wins over 120 awards.

2014

Discovery Vision Concept is unveiled at the New York Motor Show.

Discovery 4 named ‘Tow Car of the Decade’.

Fourth generation wins 87 awards around the globe, bringing the total to almost 250.

In total, Land Rover has sold more than 1.2 million Discovery SUVs.





NEW DISCOVERY

# VERSATILITY

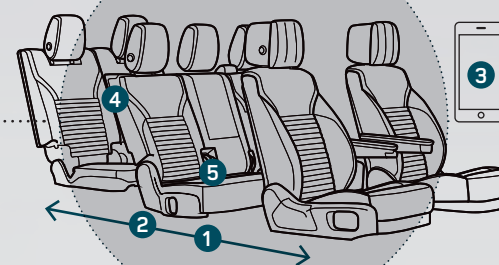
14 - 23



VERSATILITY

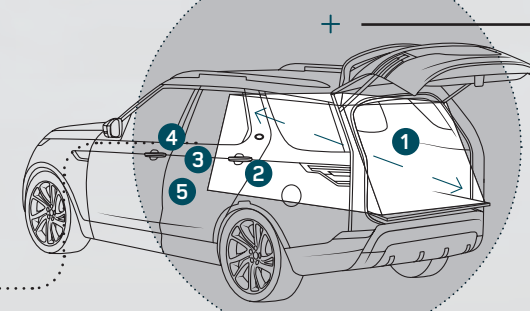
# STORAGE ADDICTION

Discover the space for everything



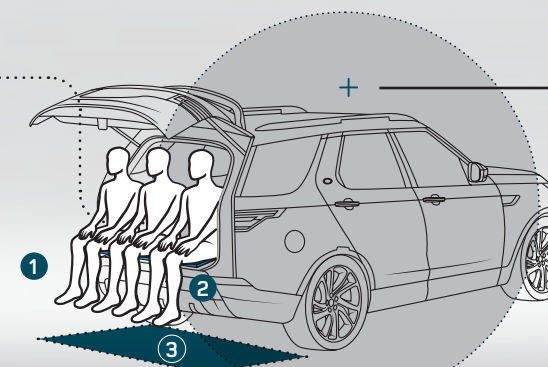
## INNOVATIVE SEATING DESIGN AND TECHNOLOGY

- 1 Accommodation for **7 full-size adults**.
- 2 All three rows of seats **heated**.
- 3 World-first remote **Intelligent Seat Fold** technology allows seat configuration from a smartphone.
- 4 Second and third row seats can fold flat in **14 seconds**.
- 5 Up to **5 ISOFIX** mounting points across all three rows.



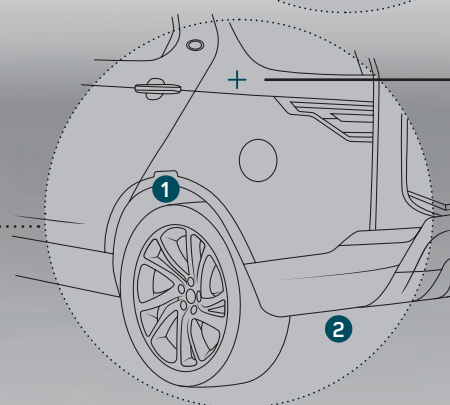
## STORAGE

- 1 Up to **2,500 litres** of loadspace when all seats are folded flat.
- 2 **1,231 litres** of loadspace behind row two.
- 3 Centre console is designed to house **4 iPads**, complete with charging point.
- 4 **Hidden storage behind climate control panel** for smartphones and wallets.
- 5 **44.9 litres** of interior stowage space for every day family essentials.



## TAILGATE

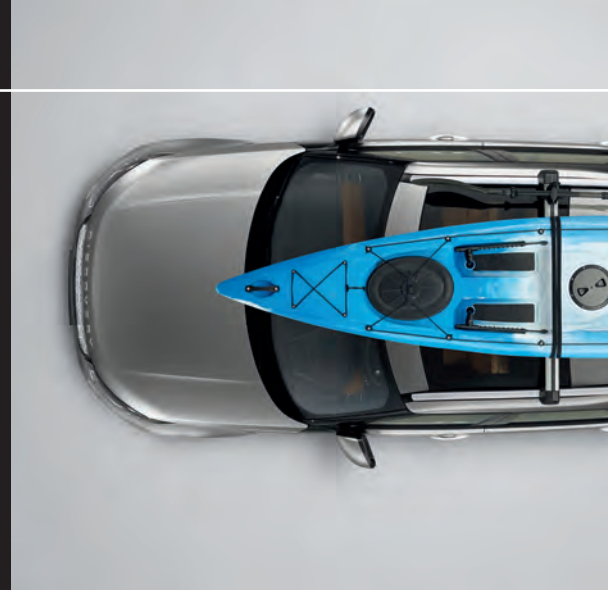
- 1 **Powered Inner Tailgate** ideal for changing muddy boots or for picnics.
- 2 **Fold-down panel** can support up to 300kg, or three adults.
- 3 **Large, one-piece tailgate** provides greater protection against the elements – perfect for rainy days.



## CONVENIENCE

- 1 **Auto Access Height** technology reduces ride height by up to 40mm for easy entry and exit of the vehicle.
- 2 **Gesture Control Tailgate** allows hands-free opening and closing of tailgate with a wave of your foot under the bumper.





+

The New Discovery is the world's most versatile and practical family SUV. To prove it, the beautifully designed interior features a host of clever packaging solutions, including the world's first Intelligent Seat Fold technology. This allows the seven seats to be configured using the touchscreen, controls inside the vehicle or remotely using a smartphone enabled with InControl Remote. In addition, every spare millimetre of space has been used for additional stowage – there is even a space behind the heater controls for hiding small items away and room for four iPads underneath the cupholders.



Every new system has been developed for a reason, to enhance the ownership experience, delivering greater convenience and versatility for our customers.

**Nick Collins**  
New Discovery Vehicle Line Director





## VERSATILITY

### + VERSATILE TO THE CORE

New Discovery is an exercise in intelligent packaging, modern design, quality materials and the thoughtful application of advanced technologies. Land Rover's design and engineering teams have produced a seven-seat interior that provides improved space and versatility by careful analysis of every aspect of its design.

The full-size SUV provides world-first Intelligent Seat Fold technology, allowing customers to reconfigure the second- and third-row seats with minimal effort – even when they are not in the vehicle.

The innovative feature means owners can rearrange the seats from inside a shop while queuing to pay for large or bulky items, ensuring the vehicle is perfectly configured to accommodate their purchases. To protect against crushing or tipping of items, the seats feature anti-pinch and stall detection technologies. Advanced weight sensors in the seats and the seat-belt buckles are able to detect when a seat is occupied, only allowing movement if it is safe to do so.

Enjoying the spacious interior is made easier by Auto Access Height technology, which is available on vehicles fitted with air suspension. The vehicle drops by an initial 15mm when the ignition is turned off or a passenger unclips their seat belt. When an occupant opens a door, New Discovery lowers by an additional 25mm to reduce the step-out height by 40mm.



**7 SEATS**  
258 LITRES



**6 SEATS**  
588 LITRES



**5 SEATS**  
1,137 (1,231) LITRES



**4 SEATS**  
1,473 (1,561) LITRES



**3 SEATS**  
1,937 (2,031) LITRES



**2 SEATS**  
2,406 (2,500) LITRES

(Figures shown in brackets represent five-seat model)

## HOW IT WORKS

# INTELLIGENT SEAT FOLDING SYSTEM

In a world first, New Discovery features Intelligent Seat Fold technology. This allows the seats in rows two and three to be configured in three ways:



1

### APP

The seats can be adjusted remotely using the InControl Remote app on a smartphone, allowing customers to rearrange the seating layout before they even reach the vehicle.



2

### TOUCHSCREEN

The seats in rows two and three can all be reconfigured using the main 10-inch touchscreen display on the dashboard.

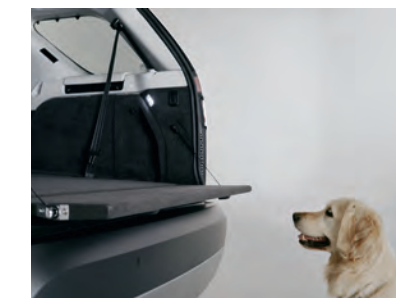


3

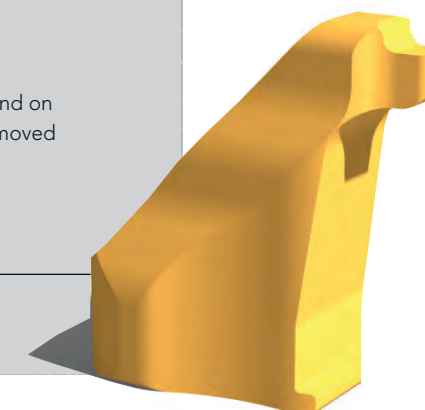
### SWITCHES

Switches within the luggage area and on the C-pillars allow the seats to be moved or folded at the touch of a button.

## + APPROVED BY SAMMY



As well as employing complex equations and algorithms to test New Discovery's load-carrying capacity and versatility credentials, Land Rover's engineering team turned to a truly authentic source. Meet Sammy, a real life CAD dog! Carefully modelled on a Golden Retriever owned by one of the engineers, Sammy's role was to ensure owners' pets have enough room to sit up, lie down and move around.





+ VERSATILE TO THE CORE


At every stage of its development Land Rover has designed New Discovery around the needs of its customers and their families. This is evident when you look around the cabin. Land Rover's design and engineering teams have an addiction to storage, which has resulted in a host of convenient interior stowage solutions for modern families – see panel below for more detail.

The effort put into developing New Discovery's first-rate cabin stowage has been matched by the thought put into its luggage space. The premium SUV provides more space than any of its direct rivals with a total load volume of up to 2,500 litres, or up to 1,231 litres behind row two.

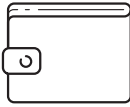
Further enhancing the versatility of the load area is the new single-piece tailgate design. When it's open it provides a wide aperture, affording greater shelter against the elements. To ensure the new design provides practicality, Land Rover has developed the new Powered Inner Tailgate.

This neat innovation incorporates a fold-down section that deploys when the tailgate is opened – perfect for event seating. This panel can also be left in its vertical position, so it functions as a load retainer to prevent unsecured items falling out of the boot.

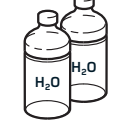
STORAGE AREAS REVEALED



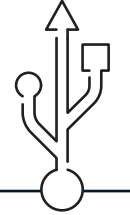
6.2 litres of hidden central armrest storage – enough to hold up to four iPads.




1.4 litres of storage behind the climate control panel – ideal for hiding away smartphones, jewellery or wallets.



13 litres of centre console stowage capable of accommodating a pair of two-litre drinks bottles.




Up to nine USB charging points across all three rows of seats.



+ THE POWERED INNER TAILGATE – HOW IT WORKS


The Powered Inner Tailgate is a new innovation that provides all the functional benefits of the previous two-piece design.

1



When the tailgate is opened a fold-down panel can automatically deploy.


2




The inner tailgate is able to support a load of up to 300kg, making it an ideal place to sit, enjoy a family picnic, or change out of muddy boots – all under the shelter of the new, large one-piece tailgate.

+ REINTRODUCED CURRY HOOK

The humble curry hook – introduced on the original 1989 Discovery – has been reinvented for New Discovery with a new push-operated design that sits flush to the transmission tunnel.

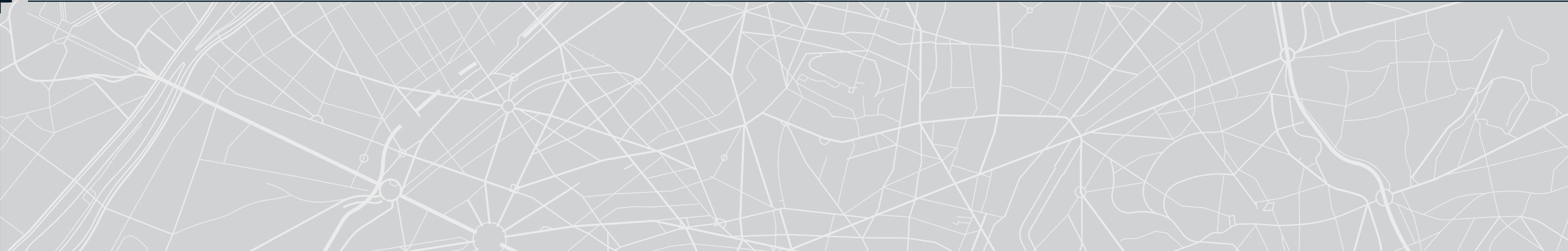


+ DESIGNED FOR THOSE WHO WANT TO GET THE MOST OUT OF LIFE



+ NEW DISCOVERY\_23





NEW DISCOVERY

# ALL-TERRAIN CAPABILITY

24 - 33



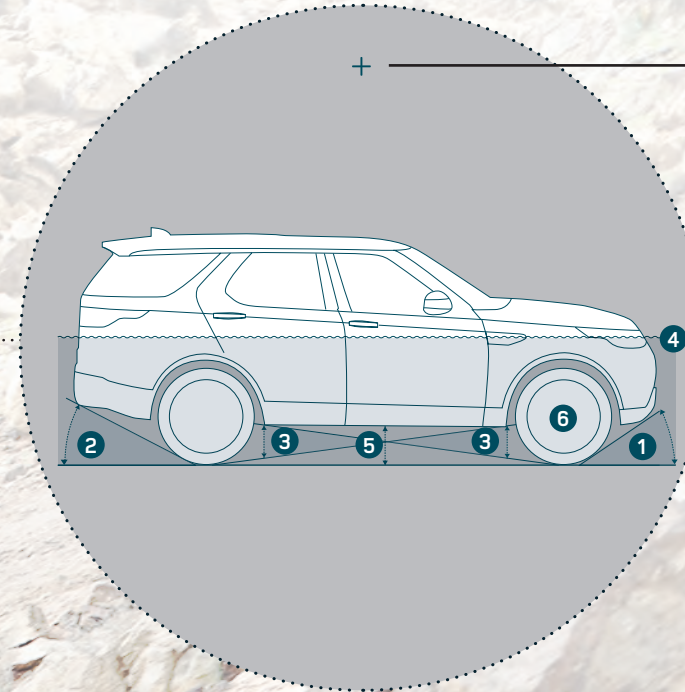


# KING OF THE HILL

Unstoppable on all surfaces, all terrains and in all weathers



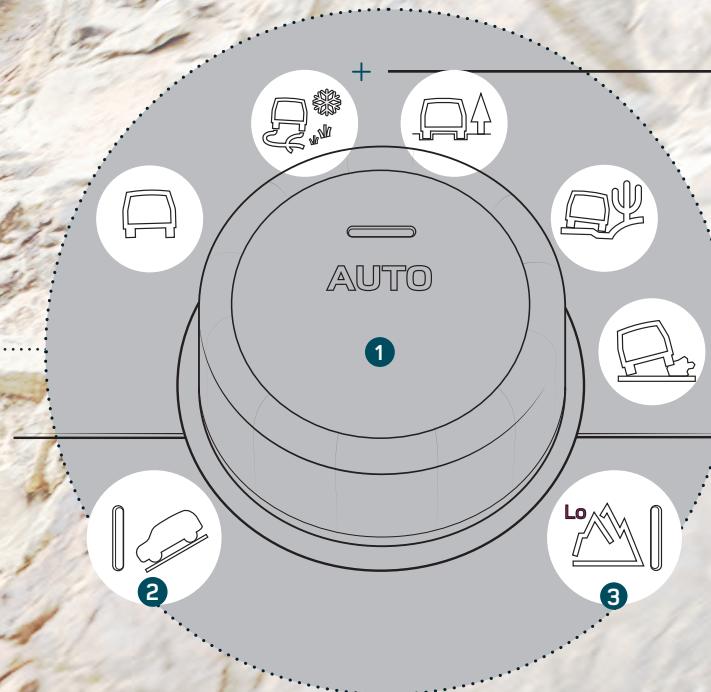
## GEOMETRY



● **Double wishbone front suspension and integral link rear suspension** deliver superior handling characteristics without compromising comfort for everyday usability.

- 1 34° approach angle
- 2 30° departure angle
- 3 27.5° breakover angle
- 4 900mm wading depth
- 5 283mm of ground clearance
- 6 500mm of wheel articulation

## ALL-TERRAIN TECHNOLOGY



- 1 **Terrain Response 2** can automatically monitor the driving conditions to ensure the vehicle is primed to cope with a variety of surfaces: General driving; Grass, Gravel and Snow; Mud and Ruts; Sand; Rock Crawl.
- 2 Land Rover's pioneering **All-Terrain Progress Control (ATPC)** makes off-road driving easier and safer by allowing the driver to set a crawl speed and only focus on the steering.
- 3 **Low-range** utilises a much lower gear ratio and locks the differential. As a result, the axle spins much slower making steep climbs and descents easier.





## CAPABILITY

+

New Discovery has been extensively tested to ensure on-road performance and comfort are a match for its class-leading all-terrain capability.

Providing a more composed driving experience was a key focus for the engineering team and this has been achieved by using a combination of technological innovations, including advanced suspension architecture

and the latest generation, speed-dependent electric power-assisted steering. As a result, New Discovery delivers a more engaging driving experience without sacrificing any of its class-leading family comfort.

Away from congested city streets and motorways, New Discovery's range of peerless all-terrain abilities make it one of the most capable vehicles ever to wear a Land Rover badge.

Our unrivalled collection of all-terrain technologies gives customers real confidence and ensures that any driver, be they an enthusiastic off-roader or a parent taking their children to school, can deal with any situation confidently and safely.

**Mike Cross**

Chief Engineer, Vehicle Integrity, Land Rover





## CAPABILITY



## + ULTIMATE ON-ROAD COMFORT

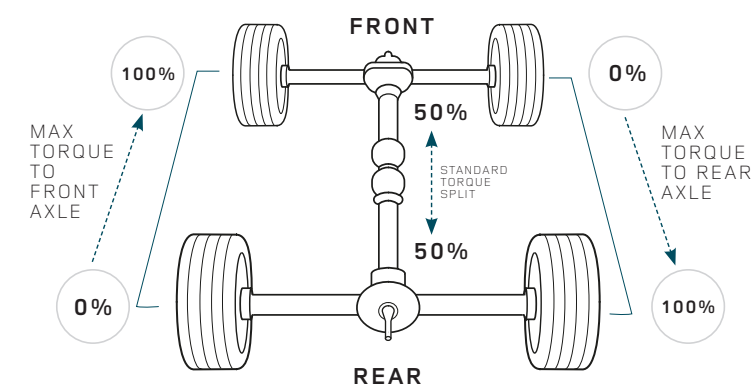
New Discovery is the expert family companion, delivering unrivalled long haul comfort for seven people and a confidence-inspiring environment for the driver thanks to its raised Command Driving Position and enhanced chassis technology.

Key to achieving the perfect balance between composure and comfort is Land Rover's choice of advanced suspension layout. This vital ingredient in the quest for optimised ride quality comprises wide-spaced double-wishbone front suspension and an integral link rear set-up.

The integral link provides softness when required, to enhance the comfort and impact resistance, yet delivers greater stiffness for improved composure and steering responses when cornering.

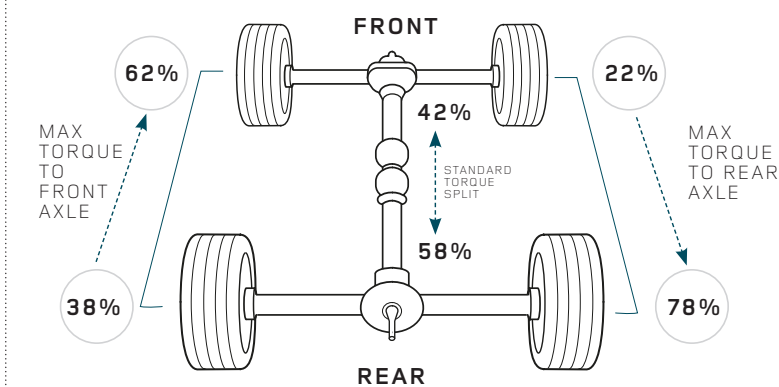
For the ultimate all-terrain capability New Discovery can be specified with an advanced two-speed transfer box, providing selectable high and low range gears. Customers who don't require low-range transmission can opt for the full-time four-wheel-drive system with single-speed transfer box (see diagram below).

### TWIN-SPEED TRANSMISSION



Traction and stability is maintained via an electronically-controlled multi-plate clutch, which provides a centre differential lock and torque biasing function, in conjunction with brake-based traction control, delivering torque to the wheel(s) with the most grip.

### SINGLE-SPEED TRANSMISSION



Torque is automatically distributed to the axle with most grip. Driveline provides full-time 4WD rather than an on-demand solution, delivering twice as much torque to the front axle if required.





35,000

COMPONENTS TESTED

1,000,000+

MILES COVERED

294

DEVELOPMENT VEHICLES

-40°C

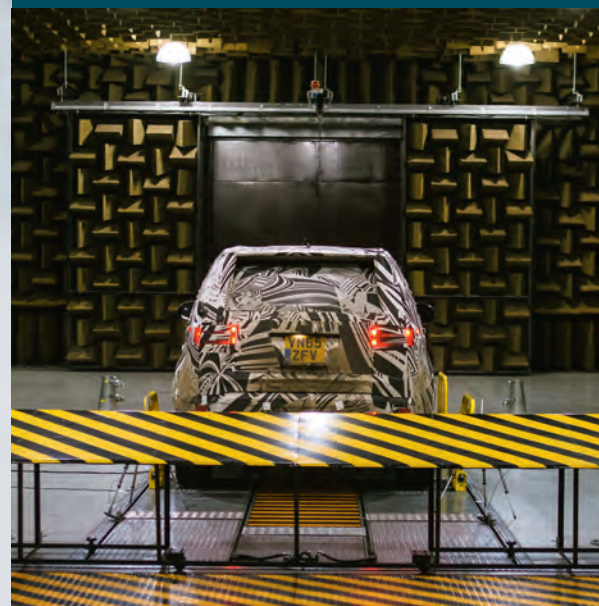
LOWEST TEMPERATURE, SWEDEN

+50°C

HIGHEST TEMPERATURE, DUBAI

20+

COUNTRIES VISITED



## + TESTING AND DEVELOPMENT

Land Rover has completed a gruelling testing and development programme of its New Discovery ensuring families around the world will benefit from world-class capability, versatility and safety, no matter what the situation.

The new model was the first Land Rover to undergo a full programme of virtual testing prior to the physical testing process, ensuring robust quality and reliability during the physical prototype programme. It also allowed engineers to identify a number of key improvements, resulting in a significantly more aerodynamic SUV than its predecessor.

Land Rover's global engineering team subjected the vehicle to extreme climates and terrains in over 20 countries. Sand driving in the dunes of Dubai, altitude testing in the Colorado Mountains, and ice driving in the sub-zero temperatures of Arjeplog, Sweden were all part of the 28-month schedule.

The tests focused on New Discovery's versatility, as much as the vehicle's capability. The Intelligent Seat Fold system was put through gruelling 24-hour test cycles in every environment guaranteeing every family member enjoys the best seat in the house.

Land Rover has unique access to some of the toughest terrains in the world at its Land Rover Experience Centres and used these to build in all-terrain capability, increasing wheel articulation and water wading abilities, to ensure the fifth generation model wears the Discovery badge with pride.







NEW DISCOVERY

# DESIGN

34 - 47





DESIGN

# BRITISH CREATIVITY

Designed with charm and sophistication, loved by the world



## TRADEMARK FEATURES

The stepped roof and highly visible C-pillar are inspired by Discovery models of the past and distinguish the premium execution of New Discovery.



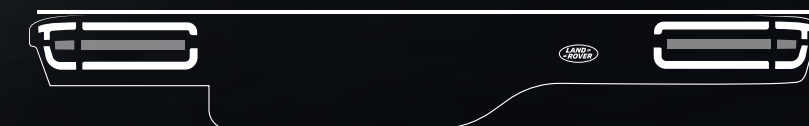
### + FRONT VIEW

New Discovery features sculpted surfaces and jewel-like headlamps with state-of-the-art daytime running lamps that deliver a modern appearance with a distinctive new light signature.



### + REAR LIGHTS

The LED rear lamps have a horizontal emphasis, giving New Discovery a more sports-orientated appearance.







## DESIGN

+

Sophisticated surfaces and optimised proportions combine with beautiful detailing and enhanced precision to create a highly capable and versatile SUV with a more dynamic design than ever before.

Authentic Discovery design features include the distinctive stepped roofline, which has identified each of the four previous generations of Discovery and provides an elegant solution to a practical need.



New Discovery redefines the large SUV. Land Rover's design and engineering teams have revolutionised the Discovery DNA to create a highly desirable, extremely versatile and hugely capable premium SUV. We truly believe the result is a radical departure in design that will introduce the Discovery Family to a new, wider customer base.

Gerry McGovern  
Chief Design Officer, Land Rover





## DESIGN

+

New Discovery represents a radical departure for Land Rover's SUV. It was previewed by the Discovery Vision Concept, which showcased the future direction of the entire Discovery family when it debuted at the New York Auto Show in 2014.

Massimo Frascella, Creative Director Exterior, said: "New Discovery is a design revolution for the Discovery family. The taut bodywork highlights the optimised volume and proportions that deliver a premium SUV. We have incorporated key elements of existing Discovery DNA, such as the stepped roof line and distinctive C-pillar design, and refined them for the 21st Century ensuring it is still clearly recognisable as a Discovery."

The Discovery family has always had a spirit of adventure and the new model provides a dramatic reinterpretation of

Discovery's 27 years of heritage and practical DNA with a sophisticated design that pays homage to previous models without being restrained by them.

Trademark design features include the stepped roofline, which has identified each of the four previous generations of Discovery and provides an elegant solution to a practical need. The stepped profile optimises headroom for passengers travelling in the third row of seats. It also accommodates Discovery's customary stadium seating configuration, which sees each row of seats positioned higher than the one in front, ensuring every seat is the best seat in the house.

## FUNCTION FOLLOWS FORM

+



### C-PILLAR

The C-pillar design in particular gives the profile more drama and creates a design cue for the whole Discovery family.

+



### REAR SPOILER

Honed in the wind tunnel, the distinctive spoiler helps minimise dirt accumulating on the tailgate, optimising rear visibility without compromising aero performance.

+



### SIDE VENTS

Elegant side fender vents incorporate a horizontal, blade-like treatment that flows into a drop-down beltline, another strong design cue of the Discovery family.







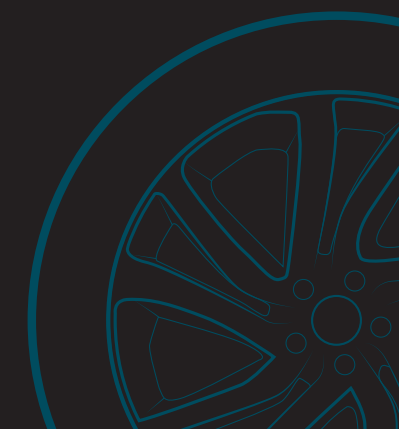
## + ATTENTION TO DETAIL

New Discovery is available with optional adaptive LED headlamp technology. The jewel-like LED units provide a characterful lamp signature that closely follows the bold design previewed by the Discovery Vision Concept. On SE trim levels upwards, this includes distinctive daytime running lights with 'lightpipe' elements, which turn from white to orange when the indicators are used.

Elegant side fender vents incorporate a horizontal, blade-like treatment that flows into a dropdown beltline, which is a hallmark of the Discovery family. While the tailgate design has changed, an asymmetric licence plate recess provides a visual link to Discoverys of the past, while Land Rover's innovative new Powered Inner Tailgate delivers enhanced functionality.

## 14 ALLOY WHEEL DESIGNS AND FOUR SIZES

Customers get a choice of designs, finishes and 19-, 20-, 21- and 22-inch rims. A specially developed 20-inch Aero wheel is also available, which helps reduce drag.



## 18 EXTERIOR COLOURS



\*US market only





## + DESIGNED FROM THE INSIDE OUT

New Discovery is a tour de force of modern design and quality materials, as well as a laser-like focus on the application of advanced technologies. Land Rover's design and engineering teams have produced a seven-seat interior that provides ample space and an abundance of versatility by careful analysis and optimisation of every aspect of its design.

Mark Butler, Creative Director Interior, said: "New Discovery's revolutionary exterior encases a sophisticated, versatile and spacious interior. The central panel is highly refined, intersected by a strong vertical pillar that's both clean and customer friendly. This is a prominent interior design cue of the Discovery family. The precise finishes and use of premium materials throughout give customers a relaxing experience and allows intuitive use of the advanced technology under the skin."

A wide choice of authentic material finishes are available throughout and these high quality materials combine with the clever use of technology to deliver New Discovery's unique blend of design excellence and engineering integrity.

This is best expressed by Land Rover's unique Intelligent Seat Fold function. The clever system allows owners to reconfigure the second and third row seats using switches just inside the tailgate, the C-pillar, the infotainment touchscreen or even remotely using a smartphone.

Land Rover's designers and engineers have used every spare millimetre of space to provide additional stowage throughout the interior, and there is a total of six 12V sockets and as many as nine USB charging points across all three rows to ensure that New Discovery can comfortably cope with the demands of the most connected families.

## + FIRST-CLASS FINISHES

# 07

### MATERIAL FINISHES

A wide choice of precise and authentic trim options – from Brushed Linear Aluminium to Natural Charcoal Oak veneer – have been chosen to enhance the luxurious interior feel.

# 05

### INTERIOR COLOUR COMBINATIONS

The premium interior is further enhanced with a selection of high quality colourways, ranging from Ebony and Acorn, to Vintage Tan and Glacier.





# 01

## FIRST EDITION

Only 2,400 examples will be available with exclusive colours, detailing and enhanced technology



## POWER OF PERSONALISATION

### DESIGNS ON DISCOVERY

To celebrate the launch of New Discovery an exclusive First Edition model limited to just 2,400 examples will showcase some of the key design and technology features.

First Edition models are available in three exclusive exterior colour combinations and with three interior colourways, giving the very first customers a genuinely unique proposition. Bespoke details include aluminium interior trim on the facia and doors featuring an etched map motif in celebration of New Discovery's British design and engineering credentials.

Customers can specify First Edition vehicles with either 21- or 22-inch wheels. In Namib Orange, it features black grille and detailing, Narvik Black contrast roof and black wheels. Silicon Silver and Farallon Black models come with the same black grille and detailing and silver wheels. A unique First Edition badge is also included on the vehicle.

In addition, there is a new Dynamic Design Pack available on HSE and HSE Luxury models. It comprises 21- or 22-inch dark grey satin finish cast alloy wheels, a Black or Corris Grey contrast roof and purposeful new front and rear bumpers. The grille, fender vents and mesh, vehicle script and mirror caps are all finished in Narvik Black providing a stealth-like appearance. Inside, there's a choice of three colourways, each with contrast stitching, in Windsor leather. A Titanium Mesh trim finish, Windsor leather upper facia and door tops, and dedicated carpet mats with Nubuck binding completes the Dynamic Design pack.



# 02

## DYNAMIC DESIGN PACK

Additional design features include unique front bumper and black detailing



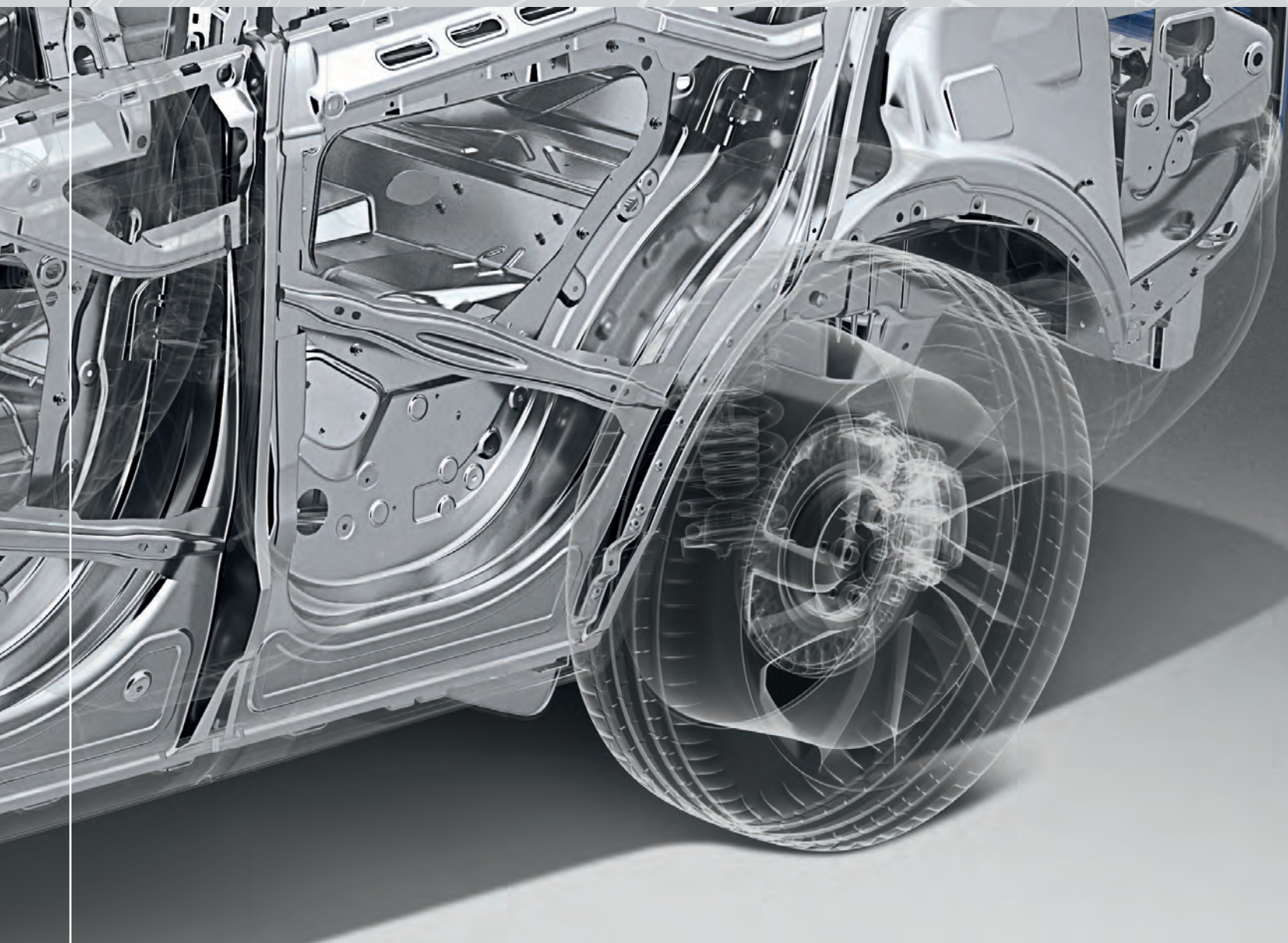
# 03

## BLACK DESIGN PACK

Distinctive black detailing on key features, such as the grille, fender vents and mirror caps, accentuates the design







NEW DISCOVERY

# ENGINEERING

48 - 57

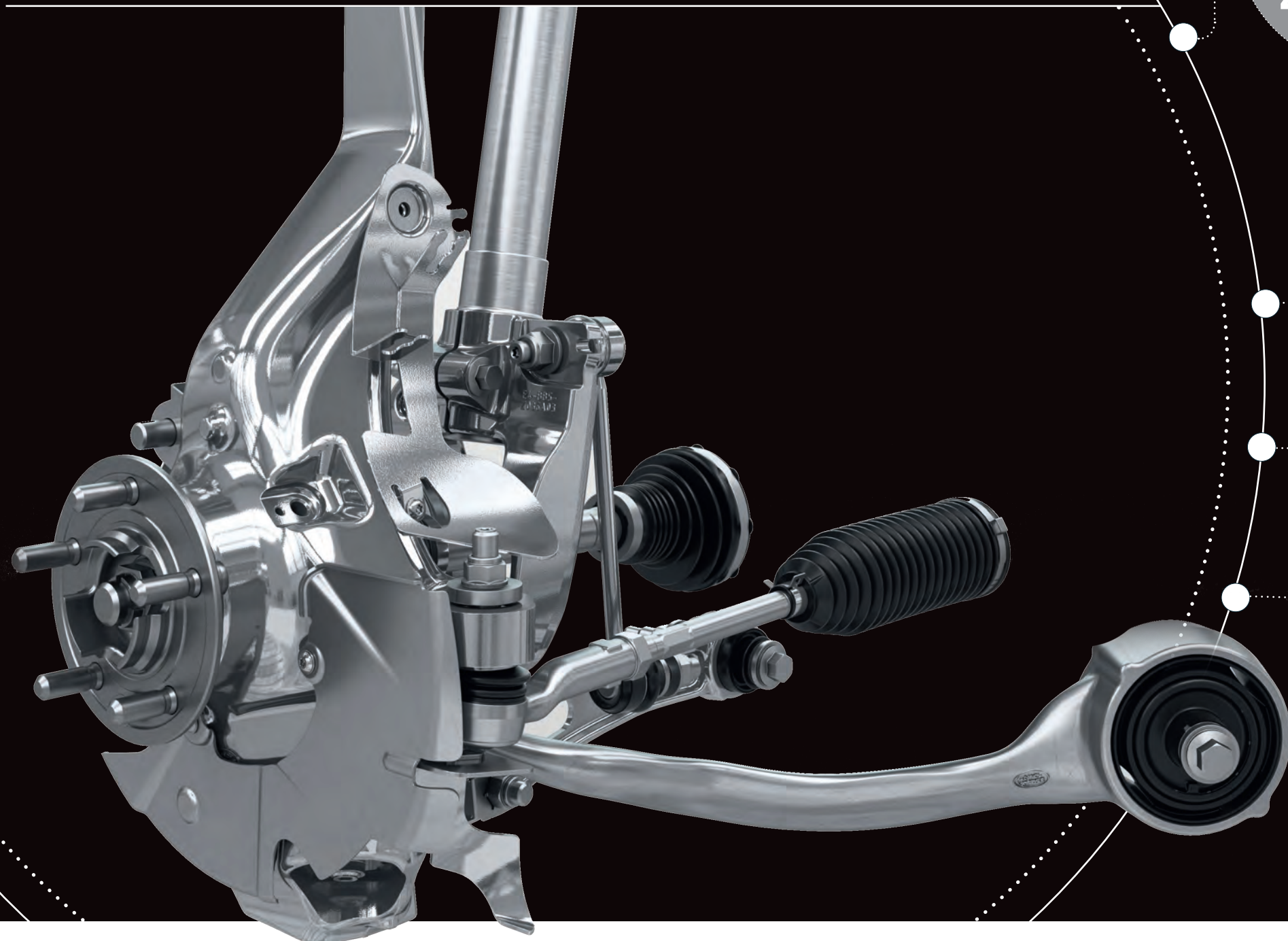




ENGINEERING

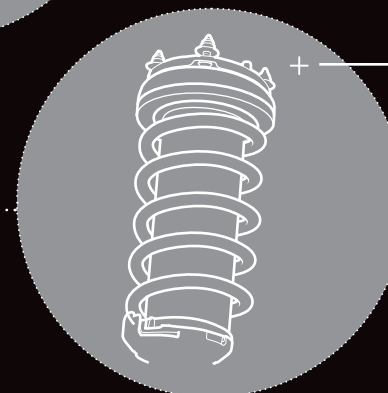
# EVERYDAY INGENUITY

Delivering Land Rover's legendary all-terrain capability



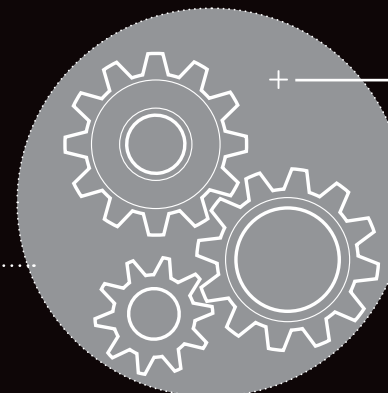
## ADVANCED ALUMINIUM ARCHITECTURE

- Land Rover's innovative, **aluminium full-sized SUV** architecture provides the perfect basis for New Discovery.
- The lightweight and durable architecture contributes to a **total weight saving of 480kg**.



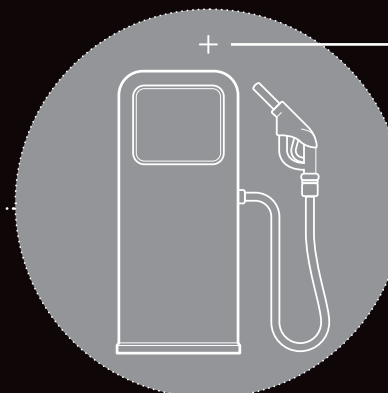
## SUSPENSION

- The **fully independent suspension** uses a wide-spaced double-wishbone layout at the front.
- The rear uses an **advanced multi-link layout with an integral link**.



## TRANSMISSION

- All engines are fitted with a **ZF eight-speed automatic gearbox**, which has been engineered to deliver smooth shifts with sharp responses and optimised fuel efficiency.
- New Discovery is also available with a **two-speed, 'shift on the move' transfer box** with high- and low-range gears for optimum on- and off-road performance.



## EFFICIENCY

- It's powered by Jaguar Land Rover's **efficient Ingenium four-cylinder diesel family**, plus six-cylinder diesel and petrol engines.
- Returns **47.1mpg** on the EU combined fuel economy cycle and CO2 emissions as low as **159g/km\***.

\*Europe market only. 180PS 2.0-litre Ingenium Td4 diesel fitted with Aero wheels and low-rolling resistance tyres.





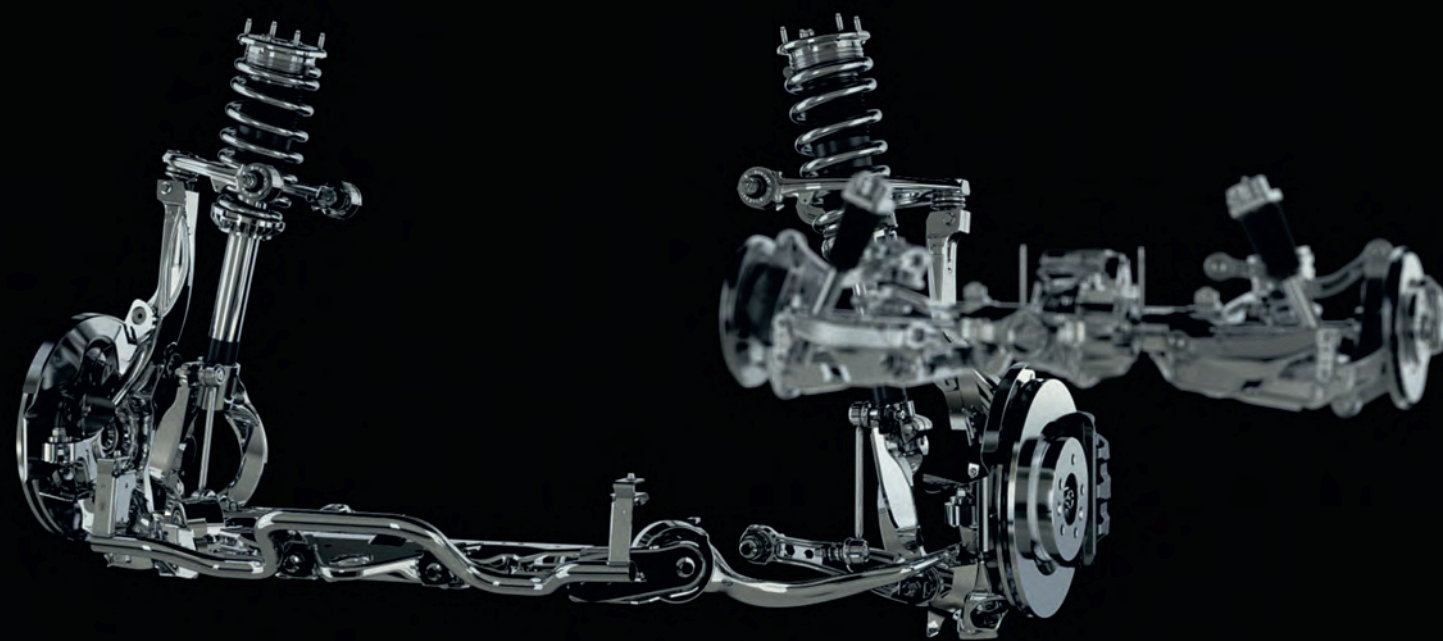
Discovery has been designed and engineered around our full-sized SUV architecture to ensure we have built-in, world-beating all-terrain capability. The flexible monocoque construction also gave us the chance to develop a versatile, spacious seating solution like no other.

**Alex Heslop**  
Chief Product Engineer, New Discovery





ENGINEERING



FULLY  
INDEPENDENT  
SUSPENSION

The innovative suspension architecture uses a wide-spaced double-wishbone layout at the front and an advanced multi-link layout with an integral link at the rear. This allows engineers to achieve stiffer damping when necessary for superior body control without compromising comfort and impact absorption.

+ ALUMINIUM ARCHITECTURE

Land Rover's innovative aluminium full-sized SUV platform provides the perfect basis for New Discovery, delivering a lightweight but durable architecture that contributes to lower CO<sub>2</sub> emissions and improved fuel economy, as well as enhancing its dynamic abilities.

This lightweight monocoque body construction is made up of 85 per cent aluminium – 43 per cent recycled – and contributes to an overall total weight saving of 480kg.

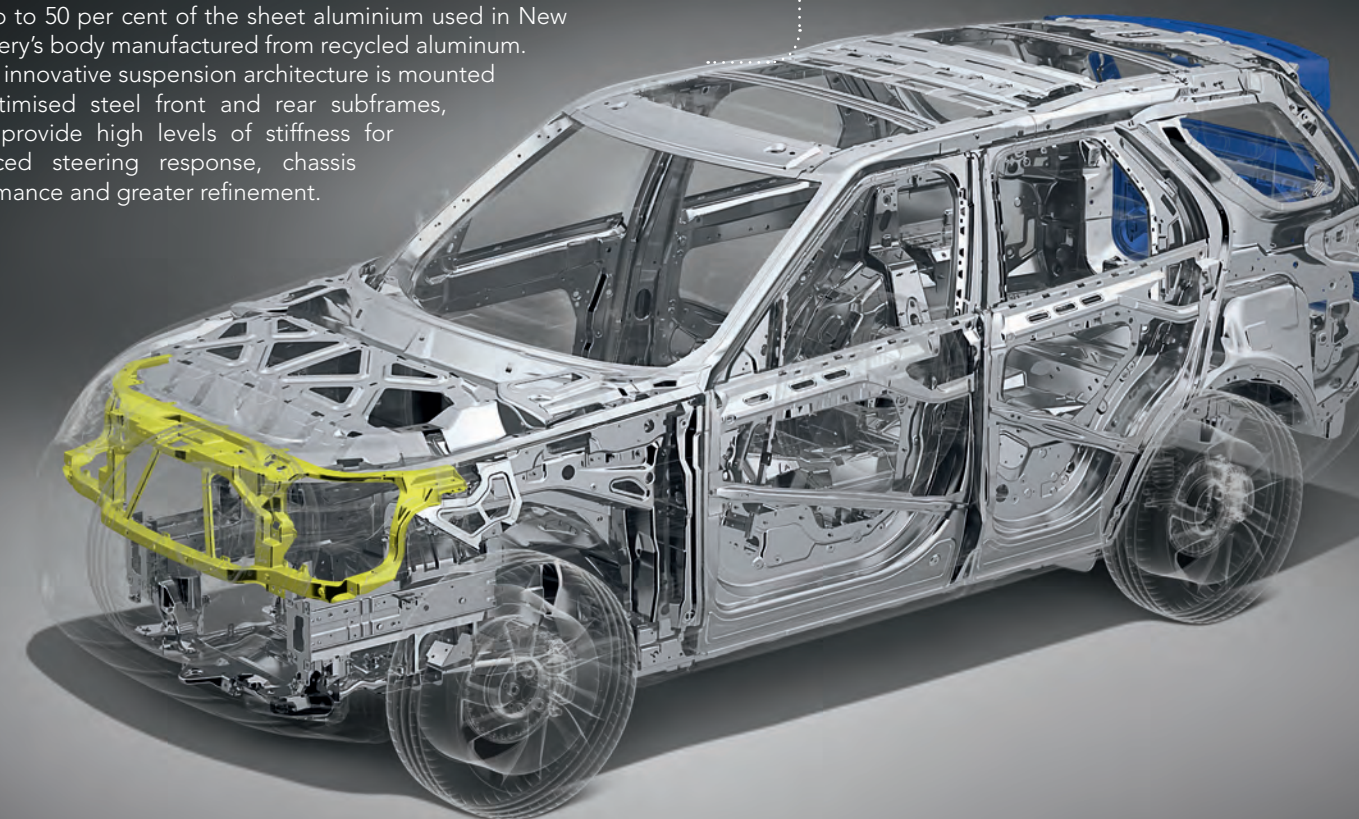
Further engineering innovations have seen more extensive use of high-strength aluminium within the crash structure, while the entire bodyside of the vehicle is pressed as a single aluminium panel, meaning fewer joints, reduced complexity and improved structural integrity.

As well as improving strength and efficiency, the aluminium structure has been key to providing enhanced sustainability, with up to 50 per cent of the sheet aluminium used in New Discovery's body manufactured from recycled aluminium.

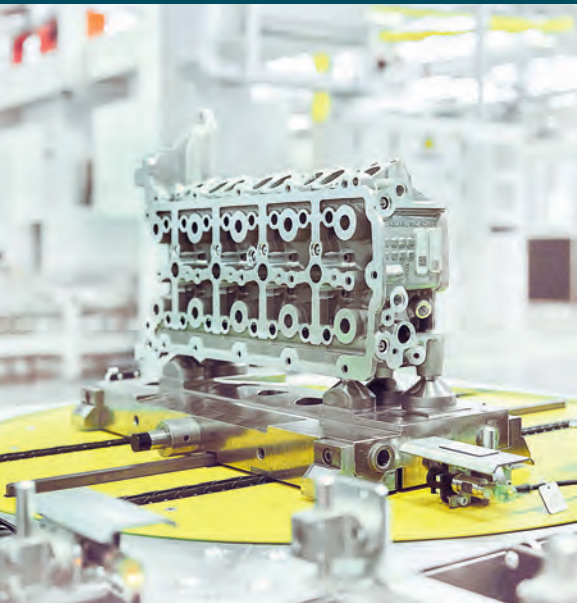
The innovative suspension architecture is mounted on optimised steel front and rear subframes, which provide high levels of stiffness for enhanced steering response, chassis performance and greater refinement.

+ KEY

	Lightweight Aluminium
	Composite
	Magnesium







**+ ENGINEERING INNOVATION**

The introduction of New Discovery demonstrates British design and engineering at its very best. New Discovery is manufactured at Jaguar Land Rover's Solihull facility in the West Midlands, UK. The Solihull factory has been producing Land Rover vehicles since 1948 and it houses Europe's largest aluminium body shop and final assembly hall, showcasing Jaguar Land Rover's pioneering leadership in the construction of aluminium vehicles like New Discovery. The introduction of Jaguar Land Rover's efficient Ingenium engines, produced at the modern Engine Manufacturing Centre in Wolverhampton, UK, showcases the British design and engineering expertise at the heart of New Discovery.



## NEW SERIES SEQUENTIAL TURBO

The Ingenium Sd4 engine is the first Jaguar Land Rover powerplant to feature series sequential turbo technology to deliver enhanced performance

### 1\_ LOW-PRESSURE TURBO

Generates up to 3.7bar of boost for peak power at high engine speeds.

### 2\_ VARIABLE GEOMETRY TURBO (VGT)

Uses guide vanes, which vary position to control exhaust gas flow into the turbine depending on engine speed, to enable maximum torque from 1,500rpm.

### 3\_ INTEGRATED MANIFOLD

For packaging advantages, the manifold is integrated within the turbine housing to reduce exhaust gas heat loss. This increases turbo efficiency and lowers NOx emissions, ensuring Euro6 compliance.

### FUEL INJECTION

A 32.5 per cent increase in fuel flow rate (versus the current Ingenium engine) has been achieved thanks to the use of solenoid injectors capable of delivering 2,200bar common rail pressure.

## ENGINE LINE-UP

From launch, New Discovery is offered with a choice of four engines



### 180PS INGENIUM Td4 DIESEL

**Engine capacity (cc):** 1,999  
**Cylinders:** 4 in-line, longitudinal  
**Power PS (kW):** 180 (132) @ 4,000rpm  
**Torque Nm (lb-ft):** 430 (317) @ 1,500rpm  
**CO<sub>2</sub> (EU Combined):** 159g/km  
**Fuel Consumption (EU Combined):** 47.1mpg  
\*Europe market only with Aero wheels and low-rolling resistance tyres.



### 240PS INGENIUM Sd4 DIESEL

**Engine capacity (cc):** 1,999  
**Cylinders:** 4 in-line, longitudinal  
**Power PS (kW):** 240 (177) @ 4,000rpm  
**Torque Nm (lb-ft):** 500 (368) @ 1,500rpm  
**CO<sub>2</sub> (EU Combined):** 165g/km  
**Fuel Consumption (EU Combined):** 44.8mpg



### 258PS TdV6 DIESEL

**Engine Capacity (cc):** 2,993  
**Cylinders:** V6, longitudinal  
**Power PS (kW):** 258 (190) @ 3,750rpm  
**Torque Nm (lb-ft):** 600 (443) @ 1,750-2,250rpm  
**CO<sub>2</sub> (EU Combined):** 189g/km  
**Fuel Consumption (EU Combined):** 39.2mpg



### 340PS Si6 PETROL

**Engine Capacity (cc):** 2,995  
**Cylinders:** V6, longitudinal  
**Power PS (kW):** 340 (250) @ 6,500rpm  
**Torque Nm (lb-ft):** 450 (332) @ 3,500-5,000rpm  
**CO<sub>2</sub> (EU Combined):** 254g/km  
**Fuel Consumption (EU Combined):** 26.0mpg

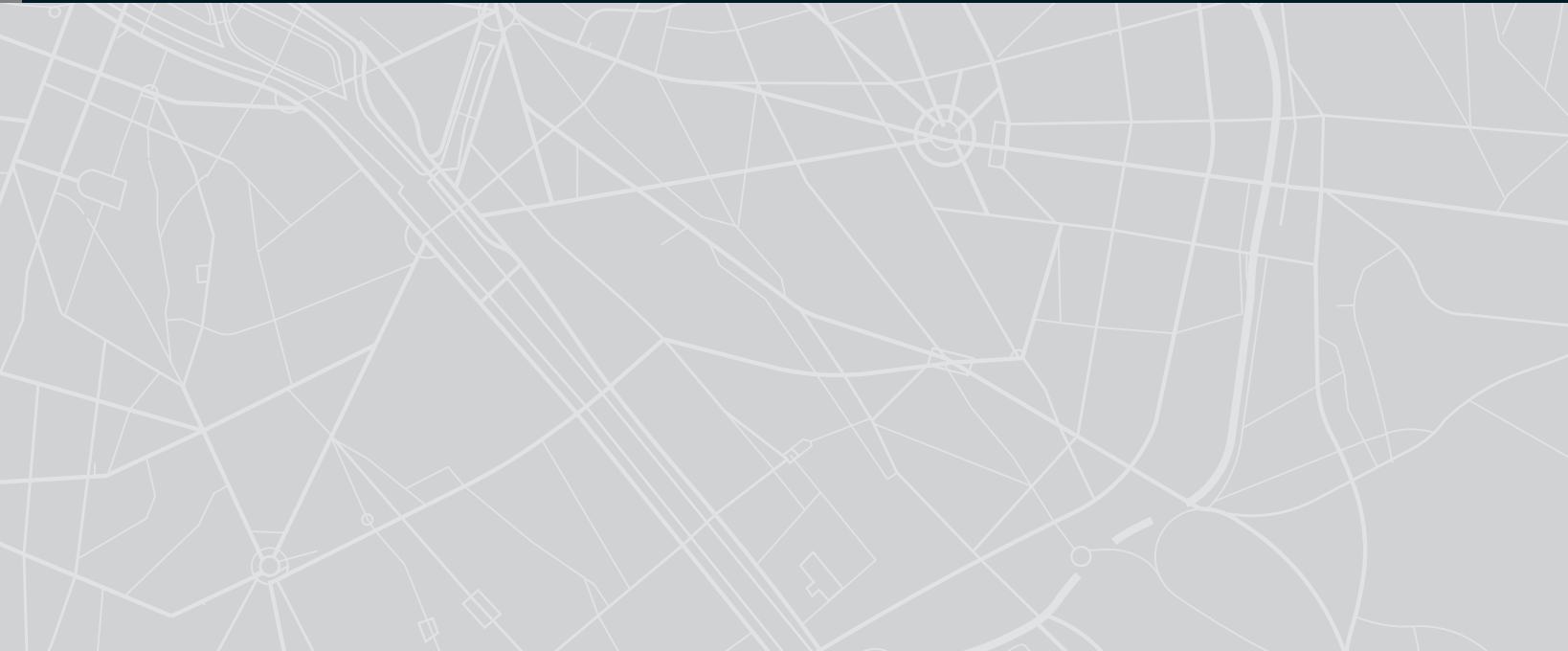




NEW DISCOVERY

# DIGITAL DISCOVERY

58 - 67



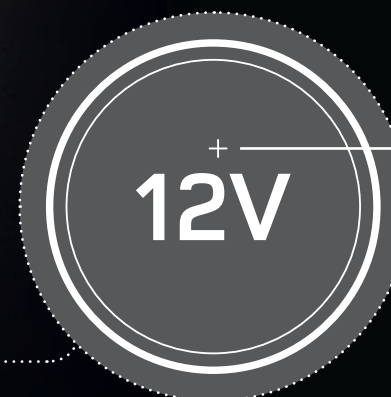
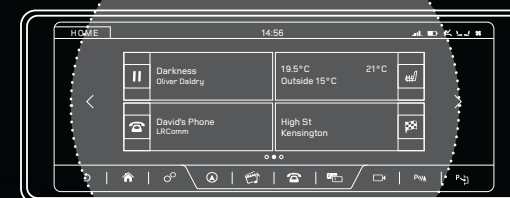




## CONNECTIVITY

# CONNECTS EVERY GENERATION

Ingenious features that make life easier



## INCONTROL TOUCH PRO

- The **intuitive infotainment system** is easier to use, faster and takes connectivity to the next level.
- Dual-view, **10-inch high-resolution touchscreen**.
- 14-speaker with dual-channel subwoofer **Meridian digital surround sound** audio system.

## INCONTROL APPS

- **InControl Remote Premium** allows customers to lock and unlock their vehicle, check its location and operate the climate control remotely.
- **InControl Remote Secure** provides stolen vehicle tracking.
- **Route Planner** enables users to plan a route on their smartphone and download it directly to the car.
- **SOS Emergency** call technology automatically notifies the emergency services in the event of an accident.

## CONNECTED TECHNOLOGY

- **3G WiFi** for up to 8 devices transforming the New Discovery into a mobile entertainment centre.
- Up to **9 USB charging points**, which means every seat is fully connected.
- Up to **6 12v sockets**.

## WEARABLE TECHNOLOGY

- The **Activity Key** wristband allows our customers to enjoy active lifestyles without the need to carry a key fob.
- **Apple Watch and Android Wear** allow customers to interact with their vehicles remotely, from anywhere in the world.





Every day it is more and more important to stay connected wherever you are and whatever you're doing. Our InControl system allows customers to stay in touch with, and configure, their vehicle from anywhere in the world.

**Peter Virk**  
Director of Connected Technologies and Apps, Land Rover





## CONNECTIVITY

### + INCONTROL TOUCH PRO



**InControl Secure** allows the owner to track a stolen vehicle using the Land Rover app on their smartphone. If the vehicle is broken into or moved illegally, the dedicated smartphone app will alert the monitoring centre to help pinpoint and recover it as soon as possible. Even if the vehicle is stolen using the keys, the owner can alert the tracking call centre using the smartphone app.



**InControl Remote Premium** allows the owner to lock and unlock their vehicle using the specific app on a smartphone or smartwatch and can also be used to operate the climate control remotely. This allows the driver to set New Discovery to a warm or cold setting before setting off on their journey.



**InControl Protect** gives drivers peace of mind thanks to SOS Emergency call technology with Automatic Collision Detection and Optimised Assistance. In the event of an emergency, an SOS call notifies the emergency services of the location of the vehicle. If the vehicle breaks down, Optimised Assistance transmits its location and vehicle diagnostics data to a recovery company.



### + WATCH & WONDER

InControl Remote functionality is now accessible through apps for the Apple Watch and Android Wear. Expanding on Land Rover's wearable technology offering, the apps make it even easier for customers to interact with their vehicles remotely – from anywhere in the world.

Just like the existing smartphone apps, the Apple Watch and Android Wear apps allow customers to check how much fuel is in the tank, lock and unlock the doors, monitor the vehicle's location and get directions if they can't remember where they've parked. It's even possible to activate the climate control settings and remotely start the engine to ensure that the vehicle interior is heated or cooled to the ideal temperature before the start of the journey.

### + SPEED MACHINE – FAST AND RESPONSIVE



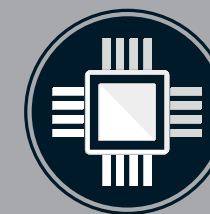
#### ETHERNET

With a high-speed Ethernet network, InControl Touch Pro is faster and more responsive.



#### SOLID STATE DRIVE (SSD)

The SSD unit enables lightning-fast responses, whether zooming into maps or browsing your music.



#### QUAD-CORE PROCESSOR

This technology enables the system to think fast and act fast, making it a great multi-tasker.

### + ADVANCED NAVIGATION

Thanks to the introduction of intuitive and intelligent InControl Touch Pro, New Discovery features a navigation system that features a host of updated functions.

#### 01 DOOR-TO-DOOR ROUTING

Even after the vehicle is parked, this complete navigation solution will direct customers on the final part of their journey on foot via their smartphone.

#### 02 ROUTE PLANNER APP

This allows drivers to plan a route on their smartphone and download it directly to the navigation system in their New Discovery.

#### 03 COMMUTE MODE

This feature 'learns' common routes, for example the daily commute, and advises the optimum route dependent on live traffic data without a destination being entered manually by the driver. A live ETA function can inform friends and colleagues of the driver's whereabouts and automatically send updates with accurate arrival times.

#### 04 FUEL FINDER

If there isn't sufficient fuel in the tank to complete a journey, this will be flagged and filling stations within range will be shown on the map, and can be added as waypoints.

#### 05 APPROACH MODE

When the driver is 200 metres away, the system automatically displays a 360° interactive view of the destination.





#### DESIGNED FOR THOSE WHO WANT TO GET THE MOST OUT OF LIFE

To further enhance the versatility of New Discovery there is a choice of accessories, including racking systems for canoes, kayaks, skis and snowboards



#### + ACTIVITY KEY

The Activity Key is a first in the large SUV segment and allows owners to lock and unlock the vehicle without the need to carry a conventional key fob. Designed as a durable wristband to be worn during outdoor activities, the Activity Key is activated by holding the wristband up to the 'D' in the rear Discovery badge.

This locks the vehicle and disables the conventional keys, which can be left safely inside the vehicle. The key can withstand temperatures ranging from -40 to +85°C and is waterproof to a depth of 30 metres.





NEW DISCOVERY

# SAFETY

68 - 75

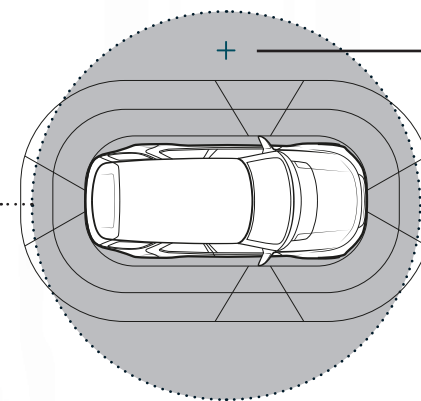




SAFETY

# MUCH LOVED MEMBER OF THE FAMILY

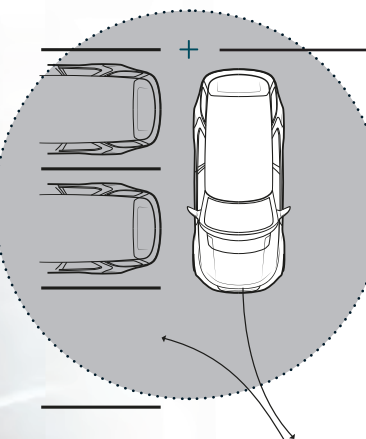
Keeping you safe for the last 27 years



## ADVANCED DRIVER ASSISTANCE SYSTEMS

Host of new ADAS systems including:

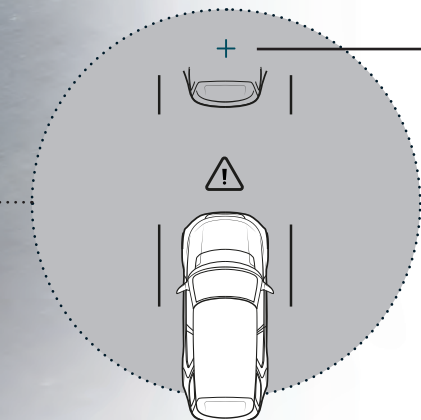
- **Traffic Sign Recognition** keeps the driver informed and aware on the road by displaying the speed limit on the driver's message centre.
- **Intelligent Speed Limiter** will adjust the vehicle's speed when the vehicle enters a new speed limit zone.
- **Driver Condition Monitor** suggests the driver takes a short break if steering inputs indicate tiredness.
- **Surround Camera System** provides peace of mind when exiting blind junctions or parking in tight spaces.
- **Lane Keep Assist** detects when the vehicle is unintentionally drifting out of lane and applies a gentle counter steer.



## PARK ASSIST FUNCTIONS

Using the ultrasonic sensors, **Park Assist** will scan parking spaces to ensure enough space for the vehicle and to allow the passenger to exit. Once a suitable space has been identified, the vehicle will control the steering, leaving the driver to focus on the pedals. There are three modes:

- **Parallel Park**
- **Perpendicular Parking**
- **Parking Exit**



## ADDITIONAL SAFETY FEATURES

- **Autonomous Emergency Braking** includes a new pedestrian detection system that can detect adult or child pedestrians, as well as other vehicles in the road and apply the brakes to stop the vehicle quickly and safely.
- Up to **5 ISOFIX mounting points** make it possible to fit a child seat in every row of the vehicle.





## SAFETY

## + SAFETY

Driver convenience and confidence is heightened in New Discovery with a combination of active safety systems, alongside an array of advanced driver assistance features.

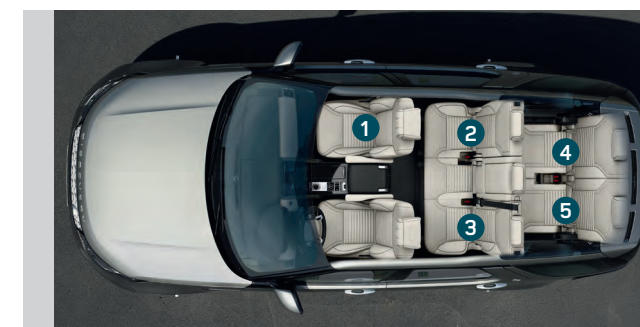
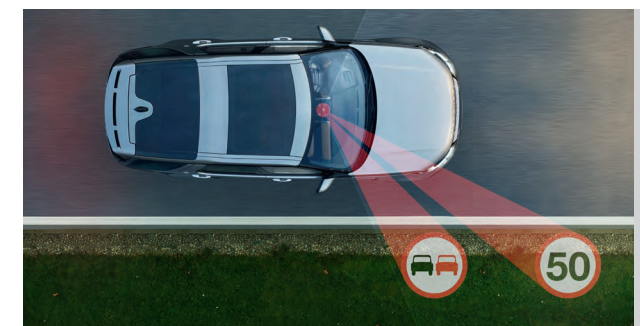
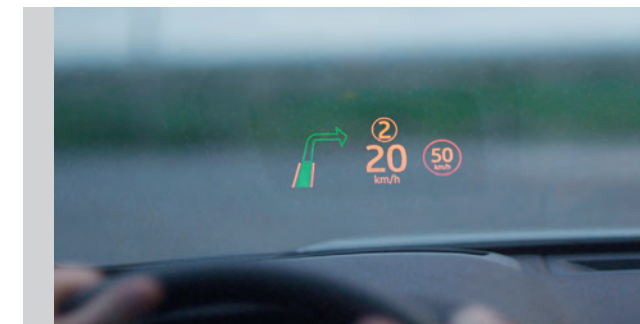
New Discovery features the company's Autonomous Emergency Braking system, as debuted on Discovery Sport, but includes an all-new pedestrian detection system, which can detect adult or child pedestrians in the road.

The feature uses the forward-facing camera mounted next to the rear view mirror to calculate the distance of objects from the front of the car.

In the event of a collision, the system alerts the driver with a visual and audible warning. If it detects that the collision is imminent then it will apply emergency braking, and can work at speeds as low as 5km/h and up to 80km/h.

Vehicles fitted with Adaptive Cruise Control also come fitted with Advanced Emergency Brake Assist.

Using the vehicle's forward facing radar, the system detects vehicles that are moving in the same direction. If the vehicle ahead suddenly brakes the driver is alerted to a possible collision. When the system detects that the driver hasn't slowed it will gently and automatically apply the brakes. If a collision is imminent, the AEB system will apply the same pressure as in an emergency braking situation.



Top to bottom: The optional head-up display is available on New Discovery for the first time; Traffic Sign Recognition uses a forward-facing camera and GPS data to identify speed limits and, thanks to Intelligent Speed Limiter, also adjusts the vehicle's speed; New Discovery has up to five ISOFIX mounting points





## SAFETY

Park Assist is one of the Advanced Driver Assistance Systems that provides enhanced safety and convenience in everyday situations. It uses a selection of sensors and cameras situated in and around the car to operate three main programmes:

### + PARALLEL PARK

Once a suitable space has been identified and Park Assist selected, the vehicle will steer into the parking space. The driver controls the accelerator and brake, observing potential hazards within the space.

### + PERPENDICULAR PARKING

As with the Parallel Park system, sensors determine whether a space is big enough, with room to open the doors on both sides of the vehicle. Once engaged, the system will steer New Discovery into the space, leaving the driver to control the speed.

### + PARKING EXIT

Parking Exit monitors for oncoming vehicles as well as the space to manoeuvre out of. The sensors help the driver exit a space safely by steering the vehicle while they control the speed.



## ADVANCED DRIVER ASSISTANCE SYSTEMS

### + TRAFFIC SIGN RECOGNITION

Traffic Sign Recognition uses a forward-facing camera and satellite navigation information to inform the driver of speed limits. It displays a speed alert sign in the vehicle's central message centre.



### + SURROUND CAMERA SYSTEM

The Surround Camera System provides the driver with a 360-degree view of the vehicle's immediate environment – ideal if you're off-road and want to check for large boulders. In urban areas it also helps assist the driver when exiting obscured junctions and parking spaces. The system also uses the reversing camera function to provide Advanced Tow Assist and Hitch Assist functionality for drivers pulling a trailer or caravan.



### + INTELLIGENT SPEED LIMITER

This system uses the Traffic Sign Recognition and GPS systems to identify speed limits and reduce the vehicle's speed. The driver is not able to exceed this limit, unless they cancel the function. The system will use engine braking to slow the vehicle appropriately.



### + ADAPTIVE LED HEADLAMP TECHNOLOGY

LED adaptive headlamps feature five modes to suit different driving conditions: Country, Town, Motorway, Alternative Country (for low visibility) and High Beam. Automatic High Beam dips the headlights between high and dipped beam when it identifies a vehicle in the road ahead (either oncoming or in the same direction of travel).



### + DRIVER CONDITION MONITOR

Driver Condition Monitor is able to evaluate driver behaviour through inputs of steering, brake and accelerator to detect signs that they are becoming tired and suggest a short break via a warning displayed in the vehicle's message centre.







NEW DISCOVERY

# TOWING

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TOWING

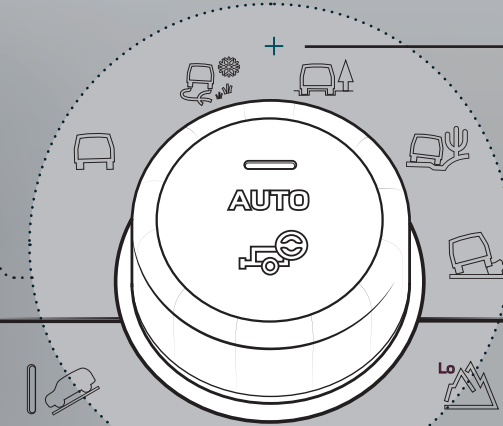
# WORLD-FIRST TECHNOLOGY

Making Discovery's towing expertise more accessible than ever



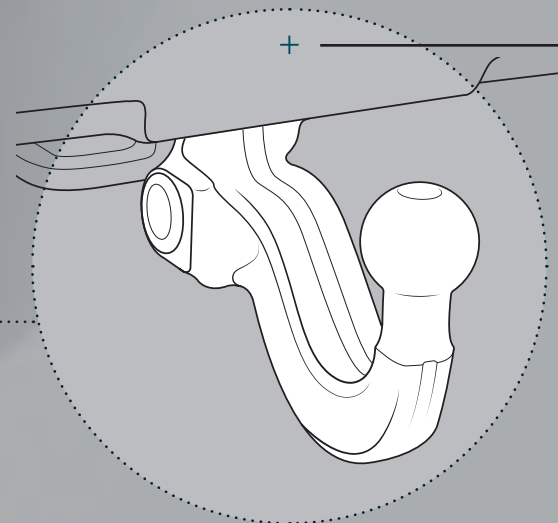
## TOWING CAPACITY

- **3,500kg** towing capacity (up to 3,720kg in NAS specification).
- **Electronically Deployable Towbar** is activated using a button in the load area or central touchscreen, maintaining a clean profile when stored.



## ADVANCED TOW ASSIST

- **Advanced Tow Assist** system takes the stress out of difficult reversing manoeuvres.
- Using the **Surround Camera System**, responsive trajectory lines appear on the touchscreen feed. To steer the trailer into position, all the driver has to do is turn the rotary **Terrain Response 2** controller in the direction required and operate the pedals. The vehicle takes care of the reverse steer and alerts the driver to possible jackknife situations.



## OTHER TOWING TECHNOLOGIES

A host of other towing assistance systems include:

- **Trailer Light Test** allows customers to test their trailer lights without outside assistance.
- **Rear Height Adjust** allows the driver to lower and raise the height of the rear of the vehicle to make hitching a trailer simple.
- **Hitch Assist** guides the driver to the trailer hitch point by displaying trajectory lines on the touchscreen feed.
- **Nose Load Measurement** allows customers to quickly check the weight being applied to the vehicle towbar.
- **Trailer Stability Assist** enhances safety on the move by detecting trailer sway and reduces the speed of the vehicle to restore control to the driver.



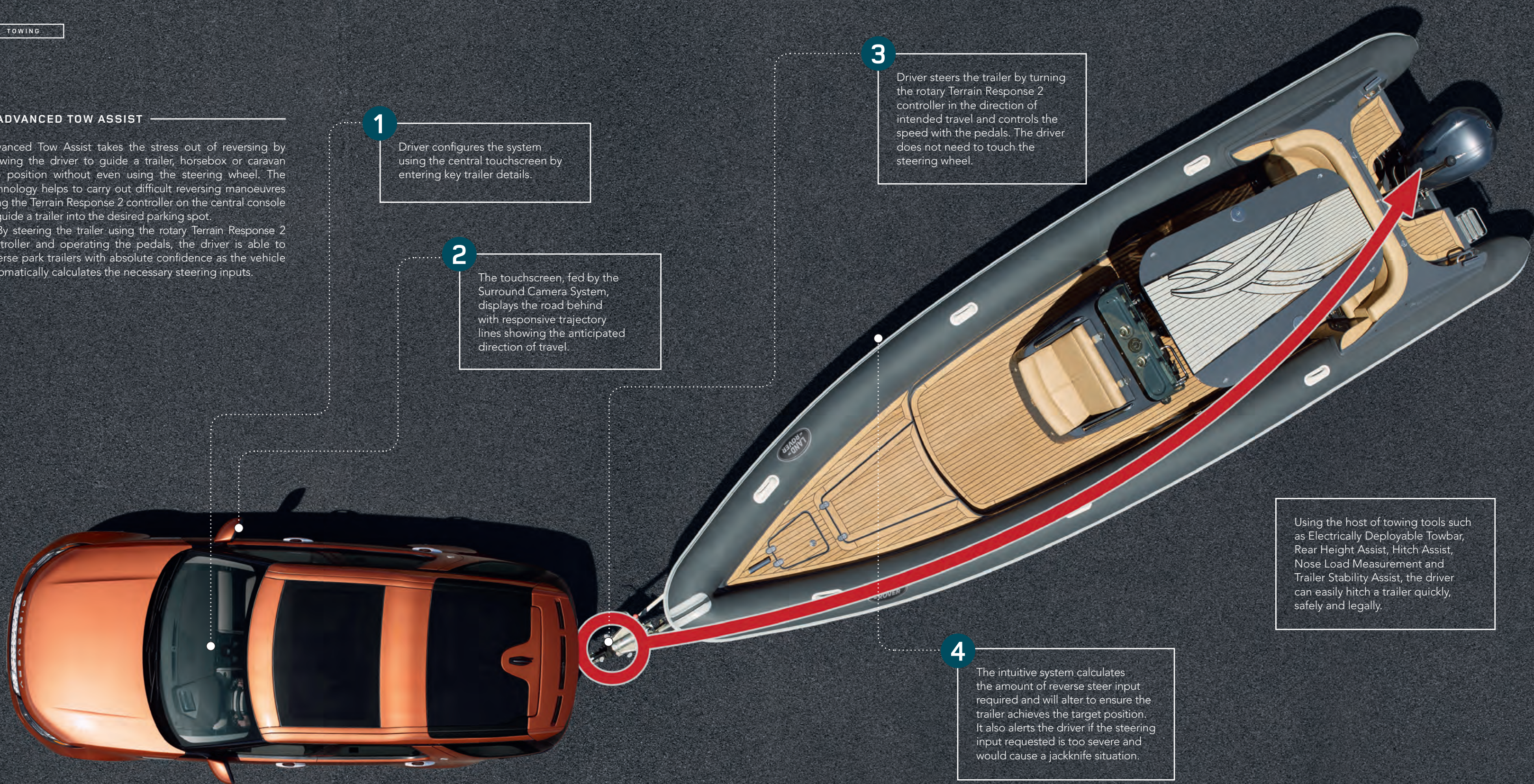


TOWING

+ ADVANCED TOW ASSIST

Advanced Tow Assist takes the stress out of reversing by allowing the driver to guide a trailer, horsebox or caravan into position without even using the steering wheel. The technology helps to carry out difficult reversing manoeuvres using the Terrain Response 2 controller on the central console to guide a trailer into the desired parking spot.

By steering the trailer using the rotary Terrain Response 2 controller in the direction of intended travel and controls the speed with the pedals. The driver does not need to touch the steering wheel.



1 Driver configures the system using the central touchscreen by entering key trailer details.

2 The touchscreen, fed by the Surround Camera System, displays the road behind with responsive trajectory lines showing the anticipated direction of travel.

3 Driver steers the trailer by turning the rotary Terrain Response 2 controller in the direction of intended travel and controls the speed with the pedals. The driver does not need to touch the steering wheel.

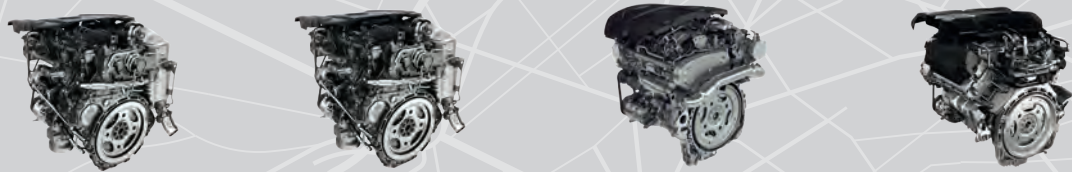
4 The intuitive system calculates the amount of reverse steer input required and will alter to ensure the trailer achieves the target position. It also alerts the driver if the steering input requested is too severe and would cause a jackknife situation.

Using the host of towing tools such as Electrically Deployable Towbar, Rear Height Assist, Hitch Assist, Nose Load Measurement and Trailer Stability Assist, the driver can easily hitch a trailer quickly, safely and legally.



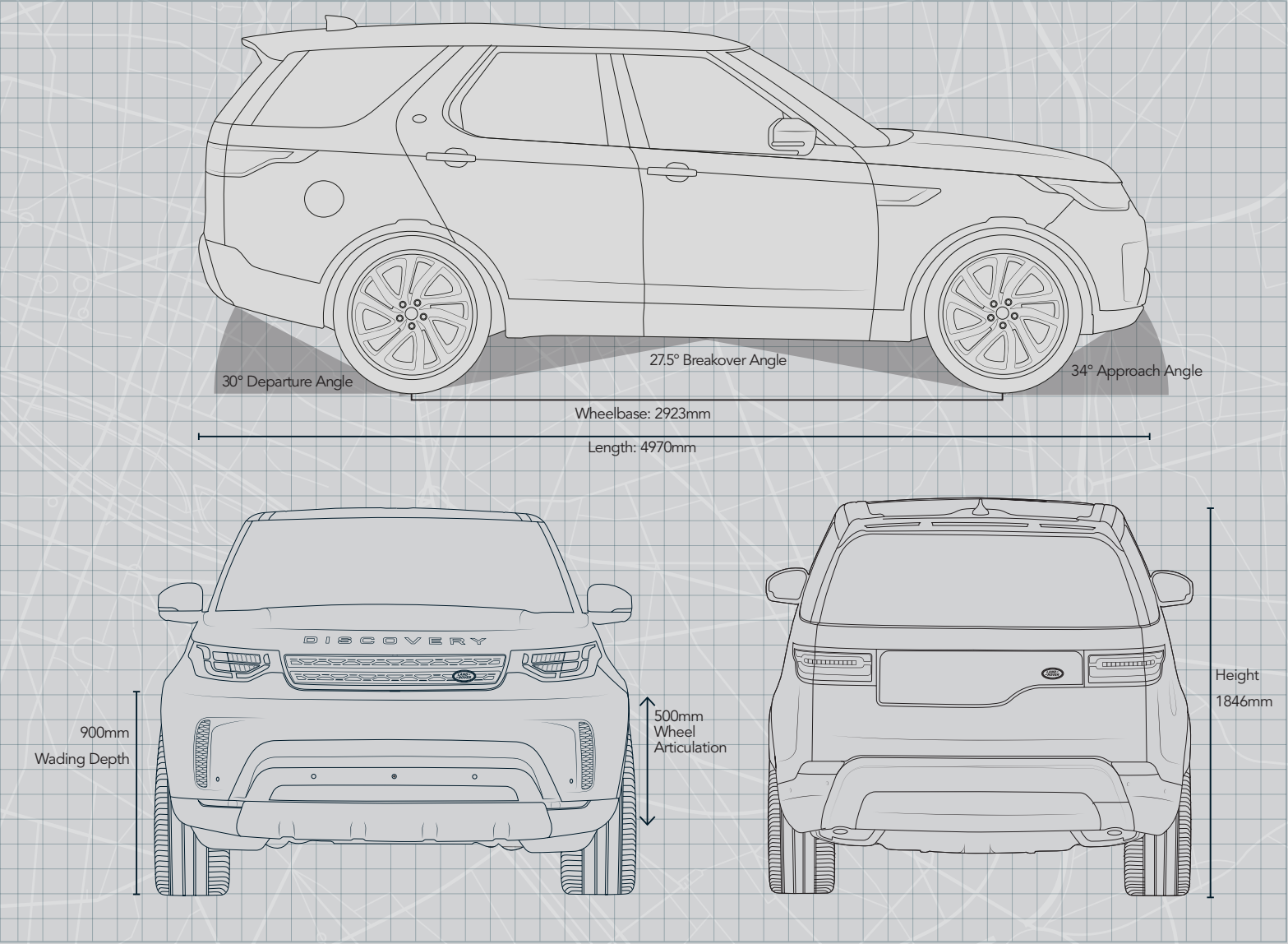


# TECHNICAL SPECIFICATION



	2.0-litre Ingenium Td4 Diesel	2.0-litre Ingenium Sd4 Diesel	3.0-litre TdV6 Diesel	3.0-litre Si6 Gasoline
Height mm (in)	1846			
Width excl. wing mirrors / wing mirrors folded (mm)	2073 / 2220			
Length (mm)	4970			
Wheelbase (mm)	2923			
Approach angle (deg)*	34.0 (air) 28.5 (coil)			
Departure angle (deg)*	30.0 (air) 27.0 (coil)			
Breakover angle (deg)*	27.5 (air) 22.5 (coil)			
Wading depth (mm)	900 (air) 850 (coil)			
Turning circle m (ft)	12.7 (41.6)			
Drag coefficient (cd)	0.33 (Aero wheels)	0.33 (Aero wheels)	0.35	0.36
Weight (kg) laden	2174	2184	2298	2223
Front suspension	SLA suspension with twin lower links, air or coil springs, passive dampers and passive anti-roll bar			
Rear suspension	Integral link suspension with air or coil springs, passive dampers and passive anti-roll bar			
Brakes	Front: 360mm ventilated discs    Rear: 350mm ventilated discs			
Steering	Electric Power Assisted Steering (EPAS) rack and pinion			
Four-wheel-drive system	Permanent four-wheel drive with standard locking centre differential and Terrain Response 2, optional locking rear axle differential			
Engine type	Inline 4 common rail diesel, 16 valves total (4 per cylinder)	Inline 4 common rail diesel, 16 valves total (4 per cylinder)	Longitudinal V6 common rail diesel, 24 valves total	Longitudinal V6 gasoline, 24 valves total, Quad cam DIVCT (Dual Independent Variable Cam Timing)
Displacement (cc)	1998	1998	2993	2995
Bore/stroke (mm)	83 x 92.4	83 x 92.4	84.0 x 90.0	84.5 x 89.0
Compression ratio	15.5:1	15.5:1	16.1:1	10.5:1
Max Power PS (kW)	180PS (132kW) @ 4000rpm	240PS (177kW) @ 4000rpm	258PS (190kW) @ 3750rpm	340PS (250kW) @ 6500rpm
Max Torque Nm (lb-ft)	430Nm (317lb-ft) @ 1500rpm	500Nm (368lb-ft) @ 1500rpm	600Nm (443lb-ft) @ 1750-2250rpm	450Nm (332lb-ft) @ 3500-5000rpm
CO <sub>2</sub> EU Combined	159g/km	165g/km	189g/km	254g/km
Fuel Consumption (EU Combined)	47.1mpg (6.0L/100km)	44.8mpg (6.3L/100km)	39.2mpg (7.2L/100km)	26.0mpg (10.9L/100km)
Transmission	ZF (8HP45) 8-Speed automatic	ZF (8HP70) 8-Speed automatic	ZF (8HP70) 8-Speed automatic	ZF (8HP45) 8-Speed automatic
Fuel Tank Capacity litres (usable)	77	77	85	89
0-60mph (0-100km/h) (secs)	9.9 (10.5)	8.0 (8.3)	7.7 (8.1)	6.9 (7.1)
Top speed mph (km/h)	117 (189km/h)	128 (207km/h)	130 (209km/h)	133 (215km/h)

\*Air suspension in off-road height with the front tow-eye cover removed



Engine and features availability may differ by vehicle specification and market. Official EU test figures stated throughout. For comparison purposes only. Real world figures may differ.









ABOVE & BEYOND