UK Product Brief

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1.0. Introduction

Following are details of The New Discovery 4 and The New 2010 Range Rover Sport, which start production in July and go on Sale in September. These introductions mark significant changes in both model ranges. The new Discovery 4 is the biggest change to Discovery since the launch of Discovery 3 in 2004 and represents a major opportunity to reinvigorate sales, whilst the changes to Range Rover Sport include improvements to both the dynamics of the vehicle and perceived quality. In support of the changes to both models, a host of new technologies are introduced which improve all aspects of the driving experience.

The timing of this brief is to support the initial order call for The New Discovery 4 and 2010 Range Rover Sport, which opens on 27 April. While training on both vehicles will commence with e-learning modules from May followed by a 2-day training event in June and July, the information included in this brief is designed to assist you in ordering vehicles and also in talking to customers ahead of seeing a physical vehicle for the first time.

2.0. Timing

Global Reveal	New York Auto Show, 8/4/09
Order Call Opens	First Order Call will open week commencing 27/04/09
Job#1	Start of Production will commence on 1st July 2009



3.0. Discovery 4 Overview



The extent of the changes to Discovery are reflected in the change of name to: **The New Discovery 4.**

A host of major and detailed design changes have been made to all aspects of the vehicle exterior, increasing the perceived premiumness and craftsmanship, whist at the same time updating the contemporary look.

These extensive exterior design changes are complemented by a complete re-design of the interior, to create a more premium, 'car-like', feeling for the driver and passengers.

The TDV6 diesel engine has been significantly improved with an increase in capacity, a new 'twinturbo' installation and a raft of efficiency improvements, which combine to give significant better performance, whilst at the same time improving emissions and economy.

Enhancements have also been made to the chassis systems to improve the dynamics of the vehicle, in both on road and off road conditions

Significant changes have also been made to the infotainment systems within the vehicle, including the introduction of a number of camera-based driver aids.



4.0. The 2010 Range Rover Sport Overview



Positioned as 'The New 2010 Range Rover Sport' the 10MY major refresh represents the most significant product action Range Rover Sport since launch

2 all new powertrains are introduced delivering exceptional levels of performance and refinement, combined with improved fuel economy.

The redesigned exterior has enabled Range Rover Sport to mature, reinforcing its own unique identity & delivering more contemporary and relevant styling, appearing wider, more muscular and lower to the ground.

An all new interior is truly worthy of the Range Rover brand. A dramatic change from the current model year with visual and tactile quality to rival core competitors delivering new levels of perceived quality and interior craftsmanship

A number of changes have been made to enhance the chassis dynamics, to complement the improved performance from the new powertrains and further stretch the breadth of capability of the Range Rover Sport

As with Discovery, a wide range of new technologies have been introduced to improve the driving experience.

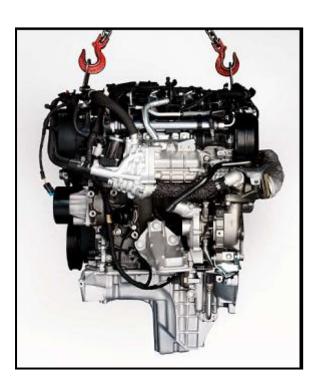


5.0 Power Units

5.1 New 3.0 TDV6 Advanced Sequential Turbo Diesel

The 3.0 TDV6 Sequential Turbo Diesel is based on the existing TDV6 2.7-litre engine, but radically redesigned to deliver substantially higher performance, lower emissions and better fuel economy. The key feature is the unique, parallel sequential turbocharger system, the first of its type to be fitted to a V-engine anywhere in the world.

- Variable geometry primary turbocharger generates high torque at low engine speeds, with excellent transient response
- Fixed geometry secondary turbocharger utilized in parallel at higher flows, generating high power at higher engine speed



When compared to the 2.7 TDV6, the new engine delivers impressive improvements

- 29% more power with 245hp and class leading refinement
- 36% more torque with an immense 600 Nm (highest of any 6 cylinder production diesel passenger vehicle engine)
- Almost 10% better fuel economy and lower CO2 emissions
- Performance is improved by an incredible 24%
- The engine meets EU5 compliance (legislation does not mandate this until 2011) when fitted with a Diesel Particulate Filter (DPF)
- Vehicle is equipped with automatic gearbox, larger brake discs and 19" wheels



5.2 Diesel Particulate Filter (DPF)

The Diesel Particulate Filter uses maintenance free, 'fit-for-life' technology to minimize the emissions of solid soot particulates in the exhaust. The filter uses semi-porous ceramic tubes which trap the soot particles.

Whilst this technology does not require specific maintenance, it does rely on a periodic burning-off of trapped soot, when it has built up to a specific level. This will usually occur within the normal driving cycle. However, if a vehicle has a very extended period of low speed driving, the build up of soot may trigger a warning in the message centre that the filter is full. If this happens the driver is referred to the handbook, which will instruct them to drive for a certain period over a particular speed to enable the filter to be cleaned.

When fitted with the DPF, the 3.0 TDV6 meets EU5 emissions standards which become a legislative requirement from 2011

To support the new model introduction process, all 3.0 TDV6 derivatives will be fitted with a Diesel Particulate from Job 1. Please note that this feature will not be charged for. From 17th August, production will revert back to 3.0 TDV6 non-DPF EU4 engine, although the DPF will continue to be available as a chargeable option.

5.3 2.7 TDV6 EU4 engine (Discovery 4 only)

The 2.7 TDV6 (EU4) engine continues for Discovery GS and Commercial derivatives only and remains to be the only version available with the 6 speed manual transmission.

5.4. 5.0L Supercharged (S/C) Engine - EU5 (2010 Range Rover Sport only)



The LR-V8 5.0 is an all new Supercharged engine delivering 510PS and 625Nm of torque.

A wide range of changes to improve efficiency have enabled this engine to produce a significant improvement in performance over the previous 4.2l engine, whilst at the same time improving CO2 emissions and economy by 6%

The most significant changes are the adoption of direct fuel injection and an industry first cam-torqueactuated dual independent variable cam timing, which maximises performance and efficiency across the rev range.



The Supercharger itself is also new with significantly improved performance, refinement and efficiency

The technological changes have been complemented by huge efficiencies made inside engine to reduce friction and drag, including the development of a specific oil to exactly match the engine's requirements.

As well as the reduced running cost through the gains in fuel consumption, service life and costs have also been improved.

5.5. TDV8

The current TDV8 engine in Range Rover Sport will be carried over to the 2010 model

5.6. Engine Data

Discovery 4 TDV6

LR-TDV6		3.0D A	2.7D A	% Change
Power	PS EEC	245	190	29%
Torque	Nm EEC	600	440	36%
Acceleration	0-60Mph	9	11.7	23%
0-100kph (s)	0-100kph	9.6	12.7	24%
Top Speed	Mph	112	112	0%
Economy	Мрд	30.4	27.7	10%
CO2 g/km	CO2	244	270	10%

Range Rover Sport TDV6

		10MY	09MY	% Change
Displacement	СС	2993	2720	
Power	PS EEC	245	190	29%
Torque	Nm EEC	600	440	36%
Acceleration	0-60 Mph	8.8	11.9	26%
	0-100 Kph	9.3	12.7	27%
Top Speed	Mph	120	120	0%
Economy	Мрд	30.7	28.2	9%
	CO2	243	265	8%

Range Rover Sport Supercharged

		10MY	09MY	% Change
Displacement	СС	4999	4198	
Power	PS EEC	510	390	31%
Torque	Nm EEC	625	550	14%
Acceleration	0-60 Mph	5.9	7.2	18%
	0-100 Kph	6.2	7.6	18%
Top Speed	Mph	140	140	0%
Economy	Mpg	18.9	17.8	6%
	CO2	353	374	6%



6.0. Transmissions

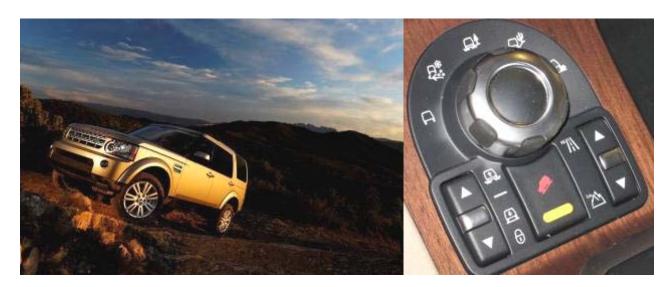
The upgraded **ZF6HP28 Automatic Transmission** is fitted as standard to 3.0 TDV6 and 5.0 SC derivatives (2.7 TDV6 and TDV8 carry-over existing gearboxes) and features:

- Adaptive shift strategy, which responds to surface conditions and driving style.
- 10% faster shift response times (sports shift).
- Wider range torque convertor lock up for improved fuel economy.
- Available for New 2010 Range Rover Sport only is Paddle Operated Gearshift for finger tip control (standard on S/C, optional on all other derivatives).
- For New Discovery 4, manual transmission is retained for the 2.7 TDV6 as is the current ZF6HP26 optional automatic transmission.

7.0. Shared Chassis and Transmission systems

7.1 Terrain Response Enhancements

The award-winning Terrain Response system gains new features and refinements. For soft sand – one of the most power-hungry surfaces – 'sand launch control' has been introduced, which makes for noticeably easier drive away. Revisions to the rock crawl programme further control unintended rolling when picking a route through boulders.



7.1.1 Sand Launch Control

(Functionality only available when the 'Sand' Terrain Response Special Program is selected).

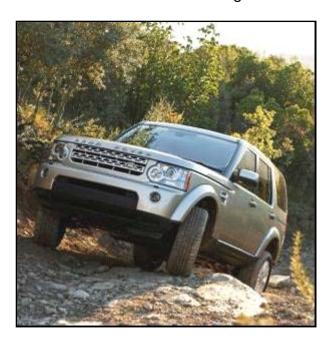
When pulling away from stationary, if a high level of wheel over spin is allowed this can cause the wheels to dig downward into the sand preventing progress - it is therefore necessary to have a very gradual controlled pull away.

The Sand Launch Control function limits the level of over spin allowed on the wheels so that the driver can pull away easily even if full throttle is applied. Achieved by optimising the conditions for traction control to be fully effective for a pull away manoeuvre, through a mixture of improved vehicle overland speed recognition and modified throttle maps.

7.1.2 Rock Crawl Pre-charge

(Functionality only available when the 'Rock Crawl' Terrain Response Special Program is selected). A new 'Rock Crawl' pre-charge enhancement applies a small amount of brake pressure to each brake calliper during very low speed driving. This provides improved composure for rock crawl driving by modifying the braking responses for both traction control and braking.

More immediate control of the spinning wheel(s) can reduce the propensity to roll forwards or back when coming off the accelerator pedal and/or cresting an obstacle. This function is particularly helpful when one or more wheels are not in contact with the ground.



7.2 New Gradient Release Control

Land Rover's much-acclaimed Hill Descent Control system is enhanced with the addition of Gradient Release Control. This feature inhibits the initial rate of acceleration when descending very steep inclines, to increase control and reduce the potentially alarming lurch that can occur when braking is released at extreme angles.

The system operates automatically whenever Hill Descent Control is engaged; temporarily maintaining brake pressure after the driver releases the brake pedal. It then progressively eases braking pressure to control vehicle momentum and acceleration. Once the vehicle's target off-road speed is achieved, Hill Descent Control operates to take the vehicle to the bottom of the slope in its customary composed manner.

7.3 Enhanced Understeer Control

Refinement to understeer control system helps automatically slow the vehicle if taking a bend too fast, enhancing driver control. The system operates according to steering inputs from the driver, and in extreme cases, automatic braking intervenes to help reduce speed. Braking pressure level is applied in proportion to steering inputs.

7.4 Roll Stability Control (RSC)

Compliments understeer control enhancements and intervenes in the unlikely case of an extreme situation where there is risk of roll over. The RSC system is designed to take over and perform rapid specific braking to reduce speed and marginally widen cornering radius. In extreme cases, RSC will initiate marginal understeer by a sharp increase in brake force on the outer wheels, also widening the cornering radius.

7.5. Trailer Stability Assist (TSA) system

The standard Dynamic Stability Control (DSC) system has been enhanced to include Trailer Stability Assist (TSA). Designed to help make towing safer by detecting the onset of trailer oscillations and employing selective braking to help correct a potentially dangerous situation. TSA is a safety system that recognises the presence of a trailer through onboard DSC sensor signal processing and connection of the towing electric socket. TSA can intervene in the vehicle's motion once a speed of 60 km/h or more is reached.

If the system identifies a vehicle behaviour that is typically associated with a trailer swaying motion the engine output can be cut and active braking automatically triggered to stabilize the vehicle and trailer train.

Things to remember: TSA will NOT be operational if DSC is switched off by the driver, TSA functionality may be reduced on slippery surfaces, TSA will not function in the event of a trailer jack-knifing. In specific circumstances TSA may still function where the towing electric socket is employed but no trailer attached (use of a bike rack or trailer light board)

7.6. Updated Variable Ratio Steering for Improved Steering Response

Stiffening of front suspension lower arm forward bush enhances sense of driver involvement with the vehicle at higher speeds. Revised variable ratio steering complements the suspension improvements and reduces the vehicle's steering sensitivity around the centre line. 'Twitchiness' at high speed cruising is reduced while sensitivity at higher lock angles is increased.

This enhances the sense of driver involvement in high-speed manoeuvres and increases precision for low-speed control and off-road driving.

8.0. Shared Infotainment and Driver Aids

8.1 Push Button Start and Keyless Entry

Standard for all derivatives, "Passive Start" is simplicity itself and does not require the key to be docked within the vehicle. The vehicle is unlocked with the remote which can then be placed in a pocket - the "Start" button is then pressed to start the engine

The optional Keyless entry system provides even greater convenience. When the key is in close proximity of the vehicle, it's simply a question of opening the door and pressing the start button. All four doors feature a button to lock and arm the vehicle for added confidence and security.



Montage of technology features: Clockwise from top, Push Button Start. Infotainment screen (DAB Radio), instrument pack TFT, Keyless Entry lock buttons, door mirror mounted camera and approach lamps.

8.2 Audio and Infotainment

10MY introduces two new audio control panels incorporating new designs and switch layout. The audio head unit for the **harman kardon Hi-line and Logic 7 Premium audio** units feature an analogue clock and their primary control interface is via the upgraded touchscreen (see image below).







Guide image of Hi-line and Premium audio

The touchscreen incorporates the control and functionality for a number of systems. In addition to navigation, it provides control and information for camera systems, audio and entertainment systems, vehicle settings, 4x4 information, park heating timed climate and phone (note; fitment of these features vary). See following image of 'Home' screen



The High Line and Premium audio systems also include a new **Portable Audio Interface** which allows connectivity to an array of personal audio storage devices, USB sticks, MP3 players and iPod. The system enables the various devices' functions, folders, tracks and playlists to be accessed and controlled via the touchscreen system and remote steering wheel control.

The new system caters to the growing trend for portable digital music as the convenient way to carry and listen to extended music collections and replaces the previous 6-CD changer. One of the connectivity ports is a dedicated iPod with connection via the dedicated no-cost option iPod link lead. Connections are located beneath the lid of the centre cubby box



Important note: The iPod Connectivity Lead is available as a No Cost Option and is required to connect an iPod to the audio system – please ensure that you select this feature for all orders featuring the Portable Audio Interface.



In order to get the full benefit of the **Portable Audio Interface** feature, the harman/kardon hi-line and Premium systems are linked to the touchscreen to provide full control and feedback display. These systems can therefore **only be fitted along with the navigation system**.

For Discovery 4 GS vehicles not equipped with navigation touchscreen, but still requiring a quality sound experience, there is a new 'Mid-line' audio system. Developed with and branded harman/kardon, the system features nine speakers, an amplifier and passive subwoofer. This system features a new audio information display housed in place of the navigation screen (see image below).



Guide image of GS Mid-line audio

8.3 DAB (Digital Audio Broadcast) Radio

DAB will become available at 10MY and will be fitted as standard to some derivatives.

8.4 Hard-disc Drive Navigation

Hard-disc drive navigation (HDD) is introduced with increased speed and new user graphics and display. HDD stores more data than previous DVD systems and customers can upgrade mapping data via Land Rover dealer electronic service systems (further information regarding the process to be released in due course). Premium navigation continues to deliver the same incremental benefits of off-road navigation, traffic messaging via TMC, voice activation and 4x4 info.

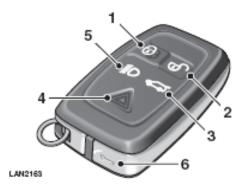


8.5 PTI Bluetooth Phone Systems

The Bluetooth Phone system for Discovery XS and HSE derivatives and Range Rover Sport is the Continental Bluetooth system introduced at 2009MY. The Bluetooth offering for the new Discovery 4 GS Mid-line audio system is Nokia based. The vehicle to phone handset pairing procedures vary between the Nokia based and Continental based systems together with some of the Bluetooth handsets supported. Full details of pairing and handset lists for both systems will be available on the external Land Rover website closer to the sales launch.

8.6 One Touch Global Open/Close

One touch **global open/close** windows are introduced which enables the driver to open or close all windows and sunroof in a single operation using the remote transmitter. The remote transmitter, known as the **Smart Key**, is new and features buttons for lock (1), unlock (2), tailgate release (3), panic alarm (4), headlamps on (5), and emergency key (6).

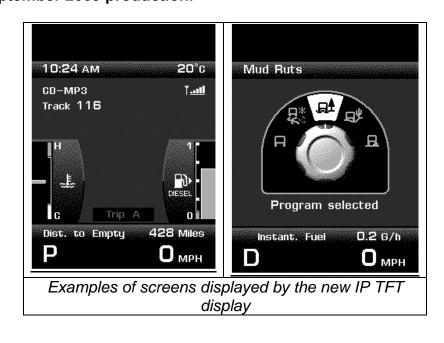


8.7 New IP Cluster with 5" TFT Information Display

The display features the fuel and coolant gauges and is fitted to all cars. Revised graphics bring a premium look and feel to the cluster. The TFT will communicate the following information:

- PRND gear selection status
- Cruise Control and Set-speed information
- Priority Warning Indicators (remain on screen as reminder)
- Warning messages, general system feedback (e.g. Phone, Clock, Terrain Response program)
- Odometer, trip computer information, fuel gauge, audio selection

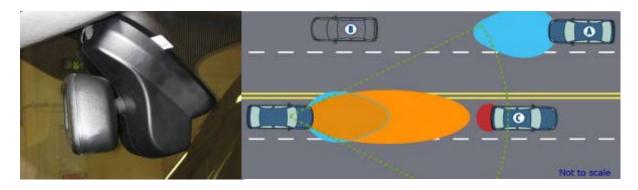
Please note: 'turn by turn' navigation commands and MP3 CD track information will be available from September 2009 production.





8.8 Automatic High Beam Assist (AHBA)

The new front headlights incorporate optional High Beam Assist technology which can automatically switch on high beam headlights where external light levels are below the system's threshold. Automatic operation is controlled by employing a forward looking camera sensor which detects preceding and approaching traffic and, in a split second, will automatically switch back to low beam to avoid dazzling other road users.



AHBA camera is located in the rear view mirror. System can distinguish automotive lights

8.9 Parking Aid - Rear View Camera

A tailgate mounted camera provides a rearward view of the vehicle through the touchscreen. This system works in conjunction with the standard rear parking aid and provides visual guide markers as well as audible warning. Overlayed onto the rear view image are dashed lines representing the perimeter of the vehicle and solid lines representing the predicted path of the vehicle based on the position of the steering wheel.



An additional feature for the Discovery due to the mounting location of the rear view camera is **Tow Hitch Assist** which helps the driver to precisely couple the tow bar with a tow hitch. A coloured dot graphic is displayed on the screen representing the tow ball together with a guide line showing the predicted reversing path of the vehicle towards the trailer tow hitch.

8.10 Surround Camera System

The Surround Camera System incorporates the functionality of the rear view camera and comprises of five cameras located around the vehicle to provide near 360 degree view of the exterior of the vehicle to aid low speed manoeuvring. The cameras are mounted in the front bumper (x2), the underside of the door mirrors (x2) and tailgate lift handle (x1) and the images from each are viewed through the touchscreen. The screen can be customised to view a single camera view or a combination of images or special views selectable from the on-screen options and thumbnail images.









Surround Camera locations featuring Powerfold door mirrors with Approach Lamps

The system also has the capability to predict the direction of a trailer when reversing. This innovative functionality is called **Tow Assist**. An on-screen information prompt appears and confirms when a trailer is attached and guides the customer through a range of pre-determined trailer set-up information such as trailer type, number of axles and trailer dimensions. On screen guidelines can be set to the trailer width and when reversing these are displayed on the screen to show the trajectory of the reversing trailer depending on steering direction of the vehicle. The result is that it provides invaluable guidance on the predicted path that the trailer will take which aids manoeuvring.

8.11 Interior Mood Lighting

Interior Mood Lighting is standard for HSE derivatives on both models and provides white LED ambient light at interior door handles and the front door pockets together with a roof-mounted down lighter to provide a premium ambience to the cabin.



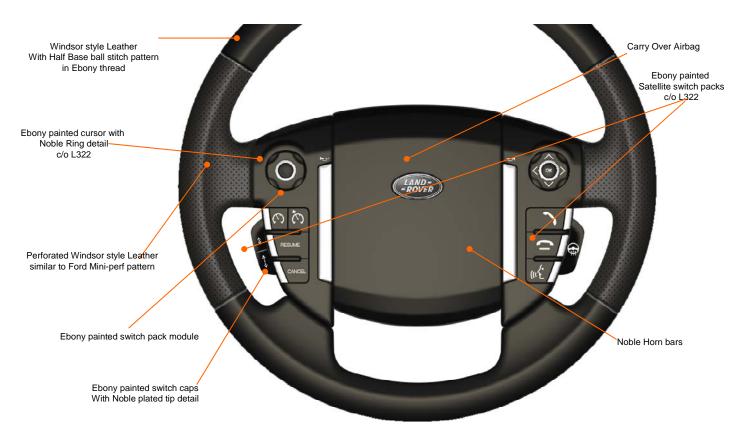




8.12. Steering Wheels

All models feature a new steering wheel design with revised switch layout for driver information and remote audio controls and for cruise and heated steering wheel options (see image below). The base steering wheel is upgraded from the 09MY condition and will be Windsor leather covered and also feature the audio and message centre control thumbwheels.

The 2010 Range Rover Sport steering wheel will be differentiated by perforated leather on the handgrips and Noble switch finishers.



In order to minimise the number of steering wheel and switch combinations, the following is a list of available steering wheel variants. In some instances, this will result in a switch with redundant functionality. For example the voice activation button (PTT: Push to Talk) will appear on all steering wheels featuring Bluetooth telephone although the voice functionality, which is only standard with Premium Navigation, may not be present in the vehicle. In these cases, the PTT button will provide no functionality.

Steering Wheel Non-Heated Variants

Remote audio, TFT information centre and phone (Redundant PTT Button)
Remote audio, TFT information centre, cruise and phone (Redundant PTT Button)

Remote audio, TFT information centre, cruise, phone and PTT voice activation

Steering Wheel Heated Variants

Remote audio, TFT information centre, cruise control, phone and heated (**Redundant PTT Button**)

Remote audio, TFT information centre, cruise, phone, PTT voice activation and heated



8.13 Remote Park Heat (3.0L TDV6 and TDV8 only)

Remote Park Heating is a new comfort and convenience option for 3.0 TDV6 derivatives and provides engine and cabin pre-heat. The new engine has the requisite components to distribute the coolant to engine and cabin systems.

Operated by remote control for immediate activation or via the touchscreen programmable function, the system is identified as 'Timed Climate' in the touchscreen home menu.

External Temperature	Action
Between +15°C (59°F) and -20°C (-4°F)	Cabin heated using engine auxiliary heater
Below -20°C (-4°F)	Heat automatically directed to the engine to assist starting then cabin
Above +15°C (59°F)	Cabin is ventilated by drawing in air to purge warm cabin aire

Remote Park Heating - Functionality Temperature Ranges

8.14. Mis-fuelling Prevention Device

This device is fitted to all models to prevent diesel vehicles being fuelled with petrol.

8.15. Digital Tachographs

The European Commission have now approved for the use of a specific adaptor to assist in the installation of a Digital Tachograph where a signal cannot be taken directly from the transmission as previously specified.

The New Discovery 4 and 2010 Range Rover Sport will be compatible with the adaptor – if you have any customers who require a Digital Tachograph to be installed, please refer them to Continental VDO who have Service Partner Workshops located around the UK. To locate the nearest Continental VDO Service Partner Workshop to your dealership, please use the following link:

http://dtco.co.uk/service/service-partner-workshops-database/locationSearch.htm?countrycode=qb

8.16 Exterior Colours

Three new paint colours are introduced at launch; Ipanema Sand (replacing Atacama Sand), Nara Bronze (new and the chosen launch colour) and Bali Blue (replacing Cairns Blue) with Marmaris Teal (replacing Lugano Teal) to follow at 10.5MY. Keswick Green is withdrawn.







New front wings to accommodate the re-designed front bumper incorporate a side intake on each side necessary for breathing and the twin intake of the new powertrain.



Discovery 4 features a redesigned new front bumper with full colour coding and a larger and re-styled intake section. The full width painted bumper incorporates neat surface mounted front parking sensors (when specified).

The new bright 'Titan' finish two bar grille features a distinctive perforated design to match the side fender vents whilst providing a family link to other models in the Land Rover portfolio. Door handles feature an 'Oberon' finish while painted exterior mirror caps feature on all vehicles.

The new profile and colour-coded rear bumper introduced at 09MY is carried forward to 10MY along with the re-designed two-piece painted wheel arches.

New distinctive front lamps featuring LED technology, grouped in a stepped profile around the main light unit, provide distinctive 'signature' lighting, whilst new rear lamp assemblies incorporating LED stop, tail and indicator lights are introduced and help to improve the rear aesthetic, as well as providing faster response times and longer bulb life.











9.2. New Alloy Wheel Designs

The increased braking performance required for the new engines necessitates the fitment of larger wheels and an additional new 7-Split Spoke 19" wheel (*Tuning Fork design*) is added to the 7-Spoke 19" wheel introduced at 09MY to provide model differentiation.

At 10MY one new 19" wheel design is introduced to complement the 09MY 7-Spoke 19" wheel. The existing Style 1 18" design is retained as a standard feature of the 2.7 GS while the existing 19" 7-spoke design is retained as a standard feature for the 3.0 GS and the 3.0 XS.

The new 19" wheel design features on the 3.0 HSE and, for the first time, Discovery benefits from a 20" (10 Split-Spoke) factory option wheel.



18" Style 1, GS 2.7



19" 7 Spoke, GS 3.0 & XS 3.0



19" 7 Split-spoke, HSE 3.0



20" 10 Split-spoke, option



9.3. Interior Changes

One of the most striking aspects of Discovery 4 is the major re-design to the cabin including changes to the fascia, centre console design and layout of the vehicle controls.



Attention to detail has been paid to all areas in the contemporary design and in the use of materials to present a premium environment. Soft touch surfaces, replacing hard mouldings, have been incorporated to many areas of the fascia to improve the tactile quality of areas like the fascia end caps. A wrapped fascia topper with stitch line detailing further enhances the appearance and perceived quality.





Straight Grained Walnut and Grand Black Lacquer veneers continue to be available for the HSE derivative and are applied through the centre line of the fascia down to the gear selector and on all four door casings. A new 'Meteor' metallic finish features on GS and XS derivatives.

The centre control area houses a new climate control switch panel and new audio control panel which have been angled to provide a more car-like cabin design. The vertical straight lines of Discovery 3 have been replaced by softer, gently angled lines.



Memory control switches for seat and steering column are re-located to driver's door casing for improved accessibility. All models benefit from a new Instrument Panel with a **5" TFT (thin film transistor)** information centre which can display trip information, fuel gauge, primary vehicle information, warnings and supplementary information including In Car Entertainment system.

9.4. Centre Console Design

Automatic Climate Control is standard equipment for all derivatives with new heater and air conditioning controls featuring digital side-to-side temperature readings. The Terrain Response control is moved forward to a more prominent location to assist with usability while the re-designed centre console layout features cup holders behind the gear selector.



9.5. Seats and Interior Trim

All three seat specifications; premium leather, leather and cloth benefit from new designs and sew styles, while front cushion support is improved beneath the knee through the introduction of an extended cushion. For a further freshening, the front headrests no longer feature fixed grab handles and now benefit from up and down adjustment.



The Almond interior colour, introduced at 09MY, is complimented by a choice of either Nutmeg (midtone) or Arabica (dark-tone) upper environments. For vehicles featuring an Almond interior, the luggage compartment trim and the carpet will be in a lighter 'Nutmeg' colour in place of the Ebony colour featured on 09MY. The Tundra interior colour-way is withdrawn.

Electrically **adjustable seat bolsters** on the driver's seat are added to the Premium Leather Pack featured on HSE derivatives to provide added comfort and support to the torso area.



	COLOUR WAY	EBONY	ALMOND/ ARABICA	ALMOND/ NUTMEG
	SEAT COLOUR	EBONY	ALMOND	ALMOND
	CARPET & LOWER TRIM		NUTMEG	NUTMEG
	FASCIA TOP	EBONY	ARABICA	NUTMEG
	UPPER TRIM & DOOR INSERTS	EBONY	ALMOND	ALMOND
Alaska White		R		
Bali Blue		•	_	_
Bournville		R	•	R
Buckingham Blue		R	_	
Galway Green			R	•
Ipanema Sand		R	-	•
Izmir Blue			_	
Lugano Teal		R		R
Marmaris Teal *		R		R
Nara Bronze			-	•
Rimini Red				R
Santorini Black				
Stornoway Grey				
Zermatt Silver			R	

^{*} Marmaris Teal available from January 2010

■ Designer's choice **R** Recommended

☐ Combination is available — Combination is not available

9.6. Range Line-Up and Pricing

Full details of pricing and standard and option features are included in the New Discovery 4 UK Pricing and Order Guide – Issue 1. The Discovery 4 range line-up and pricing from launch will be as follows:

	List	CO2	P11D	Road Fund	On the
	Price	Offset	Price	Licence & 1st	Road Price
				Registration	
				Fee	
2.7 TDV6					
GS	£27,306.74	£115.00	£31,535.00	£460.00	£31,995.00
3.0 TDV6					
GS	£29,480.65	£115.00	£34,035.00	£460.00	£34,495.00
XS	£34,698.04	£115.00	£40,035.00	£460.00	£40,495.00
HSE	£40,958.91	£115.00	£47,235.00	£460.00	£47,695.00

All Models

7 Seats

4 Corner air suspension **Exterior Styling Refresh**

Interior Styling Refresh 5" TFT display

Passive Start

8 airbags

Automatic Climate Control Aux socket for audio interface

19%

Misfuelling device

Auto dipping mirrors on reverse

LED front signature and rear tail lamps

Upgraded Dynamic Stability Control

Active Roll Mitigation

Four channel all-terrain ABS **Upgraded Terrain Response**

Thatcham Cat.1 security system Global window open / close

2.7 TDV6 GS			
£31,995	14%		
18" Alloy Wheels			

Six speed manual transmission

Automatic Climate Control

Cloth Seat facings Terrain Response

Trip Computer

Bluetooth phone system 240W 9 speaker audio with subwoofer and amplifier

Rear PDC

3.0 TDV6 GS	
£34,495	

3.0 TDV6 19" Alloy Wheels

Six speed automatic transmission

3.0 TDV6 XS

£40,495 34%

Cruise Control Powerfold door mirrors

with auto-fold on locking

Front PDC

Roof rails

Illuminated vanity mirrors

Leather seat facings

Heated front seats

HDD Navigation system USB audio interface

DAB

Bright pack

Convenience pack

3.0 TDV6 HSE

£47,695 28%

Rear Camera System Electric front sunroof Bi-Xenon head lamps with High Beam Assist

New 19" alloy wheels Interior mood lighting

Electric front seats with driver's memory

Electric steering wheel adjustment

Premium Windsor leather seat facings and premium carpet mats with wood veneer

Logic7 surround sound Premium Navigation

Passive keyless entry

9.7. Option Pricing

Full details of available options and option pricing are given in the New Discovery UK Pricing and Order Guide – Issue 1. Following is a selection of the new option prices:

Rear Camera	-	-	£289	STD
Surround Camera	-	-	£587	£587
20" alloys	-	£974	£974	£778
High Beam Assist	£147	£147	£147	STD
Park Heating	-	-	-	£979
Keyless Entry	-	-	£783	STD



9.8. Vehicle Excise Duty

	C02 Combined g/km	VED Band and £
Discovery 4 Commercials	244	LCV, £185 PA
Discovery 4 2.7 TDV6 Manual	244	Band L, £405 PA
Discovery 4 2.7 TDV6 Automatic	270	Band M, £405 PA
Discovery 4 3.0 TDV6 Automatic	244	Band L, £405 PA

9.9. Commercial Derivatives

Discovery 4 will continue to offer commercial derivatives from September build. The derivatives will be very similar to those offered for 09MY, prices as follows:

	Engine Code	Model Code	List Price	CO2 Offset	VAT 15%	P11D Price	Road Fund Licence & 1st Registration Fee	On the Road Price
Commercials Commercial XS Commercial	HDVH HDVH	250CL 250CM	£24,889.35 £27,498.04		£3,750.65 £4,141.96			£28,995.00 £31,995.00

Full details of the standard features and options can be found in the New Discovery UK Pricing and Order Guide – Issue 1

9.10. Ordering

The order call for New 2010 Discovery 4 opens on 27 April 2009.

Please note that for all Discovery 4 3.0 XS and 3.0 HSE orders, it is essential that the no cost option iPod Connectivity Lead feature is chosen.

Please also note that all of the initial build of 3.0 TDV6 vehicles will include 053BZ Diesel Particulate Filter (DPF) fitted as standard. No charge will be made for this option. The DPF is a requirement for the achievement of EU5 Emissions standard which comes into effect for all vehicles produced from 1 January 2011. The 3.0 TDV6 build will return to the standard non-DPF condition from 17 August 2009.



10.0. Range Rover Sport-specific changes

10.1. Exterior Design Changes











New front bumpers combine with other design elements to give the car the appearance of a wider, lower stance. The bumper lower aperture is wider and the auxiliary lamps re-positioned.

The new bumper is complemented by a new 2 bar grille, enlarged fender vents and new headlamps incorporating LED technology. The grille and side vents are differentiated between powertrain variants by different finishes (see figs 3 & 4 below)

The rear bumper has also been re-profiled to harmonise with the changes made to the front of the vehicle

New rear lights incorporate LED technology which provides faster reactions and longer bulb life and the appearance of the tailgate spoiler has been improved by incorporating the high level brake light

A further improvement in premiumness has been achieved through the use of Body colour painted door mirrors and Oberon finish to: door handles, headlamp and rear lamp inners, grille and vent surround. Oberon is also used for the low level front bumper splitter (tow eye cover) on dieselengined vehicles, whilst Supercharged derivatives have a Titan (bright) finish.

Black and Silver Land Rover badging replaces green and gold on all cars and bonnet and rear appliqué Range Rover scripts have a Titan finish. The Land Rover oval badge on the tailgate has been deleted.

Figure 3 and 4







New Alloy Wheel Designs

Two new wheel designs are introduced for the 2101 Range Rover Sport. See Figure 5 below for details (Please not: Centre badges are not representative):

- 19" 15 spoke lightweight alloy wheel.
- 20" 5 Spoke lightweight alloy wheel available in a sparkle silver painted and diamond turned finish (with contrasting Brunel painted finish)
- Planned global alloy wheel fitment is summarised in Figure 6 below (market exceptions apply).

Figure 5



19" 15 Spoke Alloy (Style 5)



20" 5 Spoke Alloy (Style 6)



20" 5 Spoke Alloy Diamond Turned (with painted contrast finish) (Style 7)

10.2. All New Interior Design









The centre-piece of the new interior is a completely re-designed centre console, including a new faceplate for heating and ventilation control, incorporating LCD numerals in the temperature controls.

The instrument panel has also been re-designed to accommodate the new infotainment controls and is now available with an optional leather-wrapping for the topper and instrument binnacle as part of an extended leather pack (see below).

There have been several changes to the seats to improve comfort and ergonomics. The seats feature dual-hardness foams which are fine-tuned to provide more support through the side bolsters which can be electrically adjusted on some derivatives. A 15mm 'Plus Pad' has also been incorporated between the seat foam and cover to provide additional comfort and perceived luxury. Seat ergonomics have been improved on memory seats by the relocation of the memory controls to a more accessible position on the door casings.

The use of noble plating throughout the interior in place of Brunel has further enhanced the interior appearance and perceived quality.

2 new woods have been introduced - Anigre to replace Dark Zebrano and Grand Black Veneer to replace Lined Oak. American Straight Grain Walnut is carry over from 09MY. All specifications will have wood inserts on the door trims.

10.3. New Interior Trim and Colourways

At 10MY three redesigned seat styles are available (see figure 9 below) and the cloth and Perforated Sport seat styles available at 09MY are deleted.

Figure 9







Desc.	Standard Leather	Standard Leather /Alcantara	Premium Perforated Leather
Style	09MY Carry Over	New Seat Style	New Seat Style
Leather	Taurus	Taurus	Windsor
SE	Χ	NA	NA
HSE	NA	X	0
S/C	NA	NCO	X
Contrast Stitch	NA	0	X



The 2010 Range Rover Sport introduces 3 new seat colours:-

- Ocean available in Standard Taurus Leather and Alcantara (SE and HSE).
- Arabica and Tan available in Premium Windsor Leather (HSE and S/C).

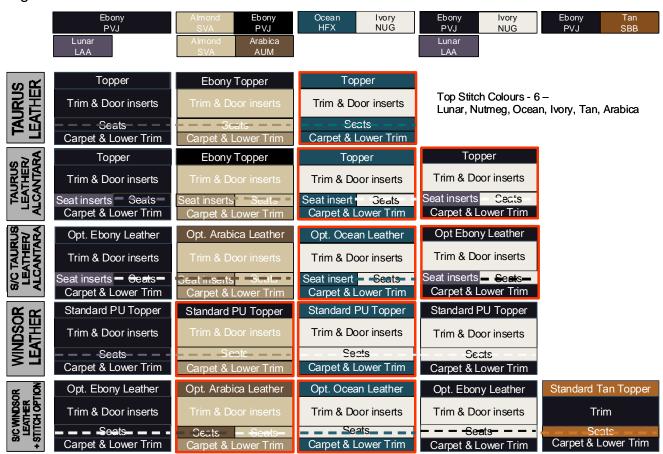
Contrast stitch is standard on Leather/Alcantara and Premium Perforated Leather seats for Supercharged models. This is available as an option on HSE models. The Contrast Stitch is applied to the front seats, front seat Captain's Armrests and the rear seat bench. It is not available with Tan or Arabica seats.

An optional **Extended Leather Pack** becomes available to extend the feeling of luxury of the interior even further. This option uses premium Windsor leather on the IP Topper Pad, Instrument Binnacle, IP end caps, front and rear door armrests and door top rolls.

The pack is available in conjunction with Premium Perforated Leather and Leather/Alcantara only. The pack is a mandatory cost option when Arabica or Tan colour ways are specified. It cannot be specified on SE derivatives.

Please refer to Figure 10 below for an overview of available interior materials and colour ways.

Figure 10



10.5. Adaptive Dynamics and Dynamic Terrain Response Programme

Dynamic telescopic spring and damper systems have key real-world limitations; while they operate very well over a specific road surface, at a specific speed, if the vehicle is driven under different conditions there is a risk that the balance between body control and ride comfort will deteriorate.

Land Rover's unique Adaptive Dynamics system aims to overcome this compromise by continually monitoring the way the vehicle is being driven, the roads over which it's travelling, and the way in which the vehicle is currently behaving. Taking measurements more than 500 times every second,



the system continually adjusts the damper settings of each wheel individually between extremely soft (comfort-orientated) settings and extremely hard (firm body control) boundaries.

Adaptive Dynamics will be available on Supercharged and TDV8 Range Rover Sport models and is the cornerstone of the exciting new Terrain Response 'Dynamic' Program. The Adaptive Dynamics system sets new standards in vehicle ride and control performance. Adaptive Dynamics is always on to ensure ride optimisation; there is no switch gear to turn the feature on or off.

Adaptive Dynamics Off-Road Modification - The system detects the nature of the surface or terrain. When driven off road or over very rough road surfaces the system modifies the control unit's dynamic program to suit. This provides different damper characteristics designed to refine the system's responses for the demands of driving off road, helping to broaden Range Rover Sport's benchmark breadth of capability even further.

Dynamic Program - Alongside a suite of improvements to existing programs, a new Dynamic Program is now available as part of the 10MY Terrain Response menu on Range Rover Sport models equipped with Adaptive Dynamics. This provides an exciting extension to the vehicle's already enviable breadth of capability by using real-time body, wheel and vehicle data to improve the sense of connection that an enthusiastic driver enjoys with the road.

On both Supercharged and TDV8 vehicles, the Dynamic program increases body control by adjusting the Adaptive Dynamics setting.

On Supercharged vehicles, the sense of driver involvement is enhanced further with adjustments to a range of powertrain and steering tune parameters.

On Supercharged vehicles, once the Dynamic program has been selected, the choice of either 'Drive' or 'Sport' transmission modes further refines the vehicle's responses and functionality. When Command gearshift is selected and the Terrain Response is in Dynamic Program, an even more sporty transmission map is delivered e.g. the transmission will not shift up a gear at the rev limit Note that the unique performance characteristics of the TDV8 engine render powertrain-related adjustments unnecessary.

Sub-system	SC	TDV8
Engine	Yes	No
(pedal & filters)		
G'box	Yes	No
(shift maps)		
DSC	Yes	Yes
Adaptive Dynamics	Yes	Yes
(CVD)		
Steering	Yes	No

Adaptive Dynamics and Dynamic Program are always supplied together.



10.6. Improved Stopping Power

Vehicles fitted with the new TDV6 3.0 delivering greater levels of power and torque are equipped with increased braking power. These derivatives require a minimum of 19" wheels to cater for the larger diameter brake discs and callipers. For both TDV6 3.0 and TDV8 derivatives, 360mm ventilated discs with new, cast iron, twin-piston sliding callipers are fitted to the front whilst at the rear, single-piston alloy sliding callipers operate on 350 mm ventilated discs.

Range Rover branded **High Performance Brakes** feature on New 2010 Range Rover Sport Supercharged models.

Powertrain	09MY F	09MY R	10MY Front	10MY Rear	10MY Brand
TDV6	317-	325-	360mm Ventilated Discs	350mm Ventilated Discs	TRW
TDV8	350mm	350mm	Twin piston sliding callipers made of cast iron steel for enhanced pedal feel	Lightweight aluminium single piston sliding callipers	
Supercharged	360mm	350mm	380mm Ventilated Discs	365mm Ventilated Discs	Brembo™
High Performance Braking system			Unique lightweight aluminium six piston opposed action monoblock callipers	Single piston sliding callipers	Branded Range Rover

10.7. Range Line-Up and Pricing

Full details of pricing and standard and option features are included in the 2010 Range Rover Sport UK Pricing and Order Guide – Issue 1. The range line-up and pricing from launch will be as follows:

	List Price	CO ₂ Offset Charge	VAT 15%	Max Rec Retail Price	Road Fund Licence & 1st Registration	On the Road Price
3.0 TDV6 SE HSE	£38,524.13 £43,567.61	£115.00 £115.00	,	,		£44,895.00 £50,695.00
TDV8 HSE	£49,030.87	£130.00	£7,374.13	£56,535.00	£460	£56,995.00
5.0 V8 S/C HSE	£53,343.70	£165.00	£8,026.30	£61,535.00	£460	£61,995.00



All Models

Exterior Styling Refresh New interior Styling TFT Instrument Cluster Gradient Release Control Passive Start New Electrical Architecture Hard Disc Drive Navigation Acoustic side glass

Roll Stability Control upgrade New Exterior Colours New Interior Colourways Audio Upload Unit

£44,895 19" Alloy Wheels Six Speed Automatic Climate Control Leather Seats Bluetooth

TDV6 HSE 3.0I
£50,695
Passive Entry
Rear Camera
Ambience Lighting
Digital radio
Dynamic Responce
Cooler Box
Premium Seats & Adjustable bolsters
20" Wheels

TDV8 HSE
£56,995
Premium 20" Wheels
Paddle shift
Auto headlight +HBA
Adaptive Dynamics
ACC +AEBA
Dynamic Program

S/C HSE 5.0I
£61,995
5.01 Supercharged Engine
Performance Brakes
Premium 20" SC Wheels
Contrast Stitching

10.8. Option Pricing

Full details of available options and option pricing are given in the 2010 Range Rover Sport UK Pricing and Order Guide – Issue 1. Following is a selection of the new option prices:

	3.0 SE	3.0 HSE	3.6 HSE	5.0 SC
ACC + AEBA	£1370	£1370	STD	STD
Rear Camera	£289	STD	STD	STD
Surround Camera	£587	£587	£587	£587
DAB	£284	STD	STD	STD
Auto lights + HBA	£147	£147	STD	STD
Paddleshift	£196	£196	STD	STD
Remote Park Heat	£979	£979	£979	N/A
Passive Entry	£783	STD	STD	STD
Extended Leather Pack	£636	£636	£636	£636

A 'Vision Assist' Option pack is available which includes: Parking Aid - Rear View Camera, Surround Camera System and Auto High Beam Assist. Retail price is £623.93 on vehicles where the specification already includes the Parking Aid and £912.65 when it does not.



10.9. Vehicle Excise Duty

	C02 Combined g/km	VED Band and £
Range Rover Sport 3.0 TDV6 Auto	243	Band L, £405 PA
Range Rover Sport 3.6 TDV8 Auto	294	Band M, £405 PA
Range Rover Sport 5.0 S/C Auto	353	Band M, £405 PA

10.10. Ordering

The order call for the 2010 Range Rover Sport opens on 27 April 2009. This will be for 3.0 TDV6 only. Supercharged will be available, but will be ordered to support the demo programme via RBM allocation. TDV8 will be available to order from the following order call.

Please note that for all HSE orders, it is essential that the no cost option iPod Connectivity Lead feature is chosen.

Please also note that all of the initial build of 3.0 TDV6 vehicles will include 053BZ Diesel Particulate Filter (DPF) fitted as standard. No charge will be made for this option. The DPF is a requirement for the achievement of EU5 Emissions standard which comes into effect for all vehicles produced from 1 January 11. The 3.0 TDV6 build will return to the standard non-DPF condition from 17 August 2009.

<u>Click here</u> to go to the Range Rover Pricing Page. <u>Click here</u> to go to the Discovery Pricing Page.

If you have any questions relating to this brief, please contact the Product Team via email to product2@landrover.com.

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