

## **THE NEW LEXUS RC**

- The new RC gains a sporty-yet-elegant exterior that draws on the svelte design language of the LC flagship coupe
- Interior refinements heighten driving pleasure
- The new RC is inspired by the “even sharper and more graceful” driving concept of the LC, achieved through master craftsmanship

Since its introduction in 2014, the RC has played a major role in promoting Lexus’s commitment to delivering a more emotional quality in the driving experience provided by its vehicles, with its sporty appearance and versatile driving character. The fresh new RC retains all the virtues of the current model, but takes them to a higher level by adopting the latest evolution of Lexus’s signature design language and sharpened driving dynamics inspired by the brand’s flagship luxury coupe, the LC.

The exterior styling remains as sporty as the current model, but subtle changes in the details, inspired by Lexus LC design cues, imbue it with a new-found elegance. Inside the cabin, everything from the high-quality materials to the precise layout of controls and gauges was crafted to maximise driving pleasure.

Enhancements have been made to the RC’s aerodynamics, tyres and suspension, and there are also improvements to engine response and steering feel, all of which reflect the “even sharper and more graceful” drive philosophy that was introduced by the LC. The new RC is more stable than ever under a wide variety of driving conditions. This provides a high level of driver confidence and a reassuringly flat ride quality, making the coupe an ideal grand tourer, whether you’re negotiating a twisty mountain road or simply making a long-distance commute on the open highway.

### **DESIGN REFINEMENTS INSPIRED BY THE LC FLAGSHIP COUPE**

- The new RC gains a sporty-yet-elegant exterior that draws on the svelte design language of the LC flagship coupe
- Interior refinements heighten driving pleasure

Lexus designers sought to maintain the RC’s dynamic coupe proportions, while adding a high level of elegance to the exterior. Key to achieving this was the addition of distinctive

design elements, such as a new front bumper corner that flows down from the headlamps and a grille mesh pattern comprising shapes which gradually transform from top to bottom, creating an intriguing visual tension. The vertical arrangement of the ultra-compact triple LED headlamps (F Sport and Takumi models) and new L-shaped daytime running lights add to the car's more distinguished appearance.

Air ducts have been added to the corners of the rear bumper, resulting in better handling stability and enhanced overall driving response. A wider stance and lower centre of gravity reflect the car's ability to maintain high grip in different road conditions. The rear combination lamps house more pronounced L-shaped lenses that are a new signature design feature for Lexus coupes.

The two-door RC presents an impressive low profile and wide stance, with its compact cabin contrasting with the powerfully flared wings and deeply sweeping lines across the contoured body. Key dimensions are a 4,700mm overall length, 1,840mm overall width, 1,395mm height and 2,730mm wheelbase.

Creating these powerful character lines requires advanced press technologies that surpass conventional production line standards, and have, hitherto, been reserved for concept vehicles alone. The resultant, powerfully three-dimensional forms constantly change in appearance as you move around the car, creating a striking presence when viewed from any angle.

In conjunction with the narrowest possible panel gaps, the coupe's low, sleek proportions are enhanced by two advanced construction technologies: a rear wheel arch hemming treatment and laser brazing. The former reduces both the thickness of the panel at the lip of the wheel arch and the vertical gap between the tyre and the arch.

Eleven different exterior colours are available, including Flare Yellow and Sky Blue, shades which perfectly communicate the car's dynamic nature.

The new RC F Sport features the same grille mesh pattern that graces all Lexus F Sport models, together with many other custom exterior and interior elements that are exclusive to the grade. These include 19-inch alloy wheels, inspired by those used by the LS and LC luxury flagship saloon and coupe.

## **DRIVING PLEASURE HEIGHTENED BY INTERIOR REFINEMENTS**

A brushed treatment has been applied to the heater control and audio panels, generating a higher sense of quality, while the knee pads either side of the centre console have been made larger and raised higher, creating a greater sense of space in the front of the cabin.

The driver's palm rest has been reshaped and a stitching pattern has been added to the surface, showcasing the designers' high attention to detail.

A new analogue clock, identical to the one in the LC, sits high on the instrument panel – another identifying feature of Lexus coupes.

An exclusive, highly supportive sports front seat design is constructed using an 'integrated foaming' method. This allows for the moulding of large concave surfaces while ensuring that there are no gaps between the seat upholstery and the foam padding, giving both excellent comfort and outstanding lateral holding performance.

A one-touch walk-in function gives easy access to the 60:40 split folding rear seats. The front seat automatically slides forwards when the seat back is folded forwards by means of the shoulder-mounted lever. The seat automatically returns to its original position when the seatback is raised again.

Contrast stitching to the seats, an enlarged centre console trim and generously proportioned knee pads add high-quality accents to the interior design, while further enhancing the holding performance of the synthetic, smooth or semi-aniline leather seat upholstery.

The premium quality interior of the RC makes maximum use of contrasting colours, materials and lighting, highlighting the car's sporting elegance. The ambient illumination is angled for upward rather than downward reflection, including door trim lighting with brightness that automatically adjusts to suit driving conditions.

Piano Black and real aluminium Naguri trim detailing are available for the RC F Sport. In all, RC customers will have five trim options to choose from, according to model grade.

Interior colours include Ochre, which is also featured in the LC, and Mustard, which comprises subtle yellow accents on a black background. Eight interior colour combinations are available, including those reserved for the F Sport.

## **PERFORMANCE INSPIRED BY “EVEN SHARPER AND MORE GRACEFUL” DRIVING CONCEPT**

Inspired by the driving concept of “even sharper and more graceful” that defines the Lexus LC coupe, Lexus engineers have sought to make the new RC thoroughly fun to drive by focusing their attention on the details, improving the car's aerodynamics and fine-tuning the suspension system and powertrain. Endowed with a flatter and more stable ride quality and sharper handling characteristics derived from the LC, the new RC is more athletic and responsive than ever.

## **SUSPENSION**

The front double wishbone and rear multi-link suspension systems combine well-balanced, agile handling with superior straight-line ride comfort. They are designed to reduce understeer, ensure accurate yaw response during steering, effect a smooth transition to cornering attitude and help achieve an integrated feel between steering input and vehicle behaviour, marrying a fine ride quality with agile, engaging handling characteristics.

The new RC's suspension has been further tuned for more supple performance, improved grip and better handling. New shock absorbers, which provide significant damping force from low suspension stroke speeds, and stiffer suspension bushings have also been introduced. To guarantee the desired dynamic performance, the coupe underwent extensive real-world testing, with chassis engineers constantly fine-tuning the package to improve ride and handling.

To complement the change in performance, the electric power steering has been re-tuned to give the driver accurate feedback on the interaction between the tyres and the road surface. New 19-inch wheels fitted with higher grip tyres also support excellent steering response.

## **AERODYNAMICS**

The RC incorporates tried and tested race car aerodynamics to both upper and underbody surfaces to enhance stability during high-speed driving, achieving 0.292 coefficient of drag (Cd).

Upper body aerodynamic measures have been introduced to support the "even sharper and more graceful" driving concept. Importance has also been placed on tuning the car's aerodynamic characteristics to provide a higher level of handling performance, stability, and ride comfort. Details include the introduction of a new fin shape in the side window mouldings and a duct in the rear bumper, giving the car better handling stability.

Aluminium tapes applied to the back of the front and rear bumpers help rectify airflow, contributing to the car's handling stability. When the vehicle is moving and the body is positively charged, similarly charged airflow is repelled; as a result, the airflow is separated from the outer surface of the bodywork. Specially shaped aluminium tapes on the bumper promote the discharge of static electricity from the body, helping suppress airflow separation.

## **HIGH-RIGIDITY BODYSHELL**

The RC's high-rigidity bodyshell is the foundation for its agility, precise steering response and high levels of mechanical grip. It features large cross-section rocker panels, cowl side

bracing, optimised underbody bracing reinforcement, and even high-rigidity front and rear screen glass adhesive.

Numerous specialised Lexus manufacturing techniques are used to enhance rigidity, including body adhesives, multi-spot welding and laser-screw welding around the door apertures, quarter glass and upper back panel.

These measures combine to maximise the torsional rigidity of the bodyshell, contributing to enhanced steering response and body control during cornering.

### **REFINED, QUIET AND HIGHLY EFFICIENT SELF-CHARGING HYBRID POWERTRAIN**

- 220bhp/164kW full hybrid electric powertrain
- Excellent performance efficiency with combined cycle fuel consumption from 44.1 to 45.5mpg and CO<sub>2</sub> emissions from 141g/km

The RC 300h is powered by a self-charging full hybrid system that gives the vehicle the capability of running emissions-free on its electric power alone.

The powertrain combines a petrol engine and compact but powerful electric motor. These automatically work together or individually to provide optimum performance according to road conditions and the driver's preference. Lexus Hybrids recharge as you drive, so they are always ready to go. Furthermore, up to 53.8 per cent<sup>1</sup> of city driving time can be accomplished in zero emissions EV mode. The system is also characterised by quick and linear acceleration, high fuel efficiency, exceptionally low emissions and a luxuriously smooth ride.

The engine featured in the RC's Lexus Hybrid Drive is a 2,494cc Atkinson cycle, direct injection, four-cylinder unit that delivers a maximum output of 178bhp/133kW at 6,000 rpm and peak torque of 221Nm between 4,200 and 5,400rpm. The electric motor has an output of 142bhp/105kW; the combined system power is 220bhp/164kW.

The rear-wheel drive RC 300h accelerates from 0-62mph in 8.6 seconds and has a maximum speed of 112mph, yet returns combined fuel consumption from 44.1 to 45.5mpg and CO<sub>2</sub> emissions from 141g/km.

The engine's Atkinson cycle timing features an expansion stroke that is longer than the compression stroke, resulting in a more efficient conversion of combustion energy. This,

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<sup>1</sup> According to TOYOTA HEV European Customers Test Drive, 2014 - July 2018

together with a higher compression ratio and the introduction of additional advanced engine technologies, improves the engine's thermal efficiency to 38.5 per cent.

## **ADVANCED TECHNOLOGIES FOR ON-BOARD ENTERTAINMENT AND SAFETY**

- High-Quality Audio Systems
- Apple CarPlay, Android Auto and Lexus Link connected services
- Suite of advanced active and passive safety features

### **HIGH-QUALITY AUDIO SYSTEMS**

The RC and RC F Sport are equipped with a 10-speaker, 160W Pioneer sound system, which provides distortion-free, clear sound quality with wide-ranging sonic reproduction, rich presence and natural sound dynamics.

A 17-speaker Mark Levinson Premium Surround System is featured in the RC Takumi model and available in the Takumi Pack option for the RC F Sport. This has been developed with an emphasis on high resolution and high musicality to deliver excellent natural dynamics and rich harmonies in a 360-degree, three-dimensional sonic space.

Despite its compact size, this 835W system delivers significantly high power and high sound quality, with five-channel playback. Front centre, front right and left, and rear surround right and left speakers realise optimum consistency of sound quality for every cabin occupant.

The Mark Levinson Premium Surround System also incorporates Signal Doctor music playback technology, which compensates for the loss of high frequencies and the lack of clarity which can occur when using digital music players and other compressed sound sources, to create a clearer, richer sound, close the original recording quality.

### **CONNECTIVITY**

For the 2020 model year the RC gained new smartphone integration functions as standard, via Apple CarPlay and Android Auto. Owners can also make use of Lexus Link connected services and specify an optional Wi-Fi function.

### **SUITE OF ADVANCED ACTIVE AND PASSIVE SAFETY FEATURES**

The RC builds on Lexus's unique Vehicle Dynamics Integrated Management (VDIM) system with Lexus Safety System+ which includes a Pre-Collision Safety (PCS) system, Dynamic Radar Cruise Control, Lane Departure Alert/Lane Keep Assist, Automatic High Beam and Road Sign Assist.

Further active safety technology includes a Blind Spot Monitor and Rear Cross Traffic Alert (RC Takumi and Takumi Pack option, stand-alone option for F Sport). The RC has a highly rigid body structure which gives exceptional car-to-car impact performance. Eight airbags are fitted as standard and a pop-up hood design allows for a low vehicle front profile while optimising pedestrian impact protection.

## **UK MODEL RANGE**

The new RC adopts Lexus's a three-grade structure with RC, F Sport and Takumi versions.

Key features on the **RC** include new-design 18-inch alloy wheels, Lexus Safety System+, front and rear parking sensors, reversing camera, smart entry, Lexus Premium Navigation, smartphone integration with Apple CarPlay and Android Auto, Lexus Link connected services and Tahara upholstery. Customers can also specify an optional sunroof and Leather Pack with smooth leather upholstery in Black or Dark Rose and an integrated steering wheel heater.

The **F Sport** is distinguished by its exclusive F Sport styling features inside and out, including the front spindle grille with new F Sport mesh pattern, 19-inch multi-spoke alloys, steering wheel, sports pedals and sports front seats. Its performance theme is emphasised by new orange brake callipers, visible through the slim spokes of the new F Sport wheels. Other standard features include LED headlights in a triple eye arrangement with Automatic High Beam, LED front indicator lamps, perforated leather steering wheel trim and Adaptive Variable Suspension.

Options include four paint finishes exclusive to the F Sport – F Sport White, Solar Flare, Naples Yellow and Azure Blue, plus a Blind Spot Monitor and Rear Cross Traffic Alert for safe manoeuvring in parking spaces. A Takumi Pack is available, equipping the RC F Sport with a 17-speaker Mark Levinson surround sound system, steering wheel heater, card key, Naguri-style aluminium trim inlays, Blind Spot Monitor, Rear Cross Traffic Alert and a tilt/slide sunroof. The sunroof and Blind Spot Monitor/Rear Cross Traffic Alert can also be specified as individual options.

At the pinnacle of the range, the **Takumi** is equipped with 17-speaker Mark Levinson audio, heated steering wheel, Blind Spot Monitor, Rear Cross Traffic Alert, card key and sunroof.

### RC Timeline and UK sales

2013	November	World premier for the RC coupe at the Tokyo Motor Show.
2014	February	The Lexus RC makes its European debut at the Geneva motor show.
2015	October	UK RC prices and specifications are announced.
2016	January	First deliveries of the new RC to UK customers
2017	May	The RC completes the Nürburgring 24-hour race.
	September	The 2.0-litre turbo engine is deleted from the range
2018	January	Equipment upgrades for 2018 RC, including standard provision of Lexus Safety System+ on all versions.
2019	January	Revised RC range introduced with exterior styling changes, revised equipment specifications and new equipment grades.

RC sales in UK markets in 2019: 439

Cumulative sales since launch (2016): 2,275

(Figures include RC F)



## TECHNICAL SPECIFICATIONS

<b>ENGINE</b>	
Engine code	2AR-FSE
Engine type	4 cylinders in-line
Valve mechanism	16 valve DOHC, dual VVT-i
Displacement (cc)	2,494
Bore x stroke (mm)	90.0 x 98.0
Compression ratio	13.0:1
Max. engine power (bhp/DIN hp/kW @ rpm)	178/181/133 @ 6,000
<b>Total hybrid system output (bhp/DIN hp/kW)</b>	<b>220/223/164</b>
Max. engine torque (Nm @ rpm)	221 @ 4,200-5,400
<b>HYBRID SYSTEM</b>	
<b>Motor generator</b>	
Type	Permanent magnet, synchronous motor
Max. voltage	650
Max. power (bhp/kW)	141/105
Max. torque (Nm)	300
<b>Hybrid battery</b>	
Type	Nickel-metal hydride
Nominal voltage	230.4
Number of cells	192
System voltage	650
<b>PERFORMANCE</b>	
0-62mph (sec)	8.6
Max. speed (mph)	118
<b>DIMENSIONS</b>	
Overall length (mm)	4,695
Overall width –mirrors folded (mm)	1,840
Overall width – including mirrors (mm)	2,069
Overall height (mm)	1,395
Wheelbase (mm)	2,730
Track front (mm)	1,580
Track rear (mm)	1,600 (18in wheels) 1,570 (19in wheels)
Overhang front (mm)	930
Overhang rear (mm)	1,040
Coefficient of Drag (Cd)	0.292
Fuel tank capacity (litres)	66
<b>INTERIOR DIMENSIONS</b>	
Interior length (mm)	1,875
Interior width (mm)	1,520
Interior height (mm)	1,120 1,110 (with sunroof)

Luggage capacity (litres)		340
<b>WEIGHTS (kg)</b>		
Kerb weight		1,735 – 1,775
Gross vehicle weight		2,170
Towing capacity (braked)		Towing prohibited
Towing capacity (unbraked)		Towing prohibited
<b>TRANSMISSION</b>		
<b>E-CVT</b>		
Gear ratios	Forward	3.333
	Reverse	3.333
Differential Gear Ratio		2.764
<b>FUEL CONSUMPTION (WLTP)</b>		
Combined (mpg)		44.1 to 45.5
Fuel tank capacity (l)		66
<b>EMISSIONS (WLTP), INSURANCE, SERVICING &amp; WARRANTY</b>		
CO <sub>2</sub> emissions - combined (g/km)	RC	141
	F Sport	145 146 with BSM and/or sunroof
	F Sport with Takumi Pack	146
	Takumi	146
Insurance groups	RC	31E
	RC F Sport	32E
	RC Takumi	32E
Service intervals		10,000 miles/annually
Comprehensive new vehicle warranty		3 years/60,000 miles (whichever comes first)
Hybrid warranty		5 years
Corrosion/perforation warranty		12 years
<b>Surface rust/paintwork</b>		
Front		Double wishbones Adaptive Variable Suspension (F Sport)
Rear		Multilink Adaptive Variable Suspension (F Sport)
<b>BRAKES</b>		
Front (diameter x thickness, mm)		Ventilated discs 334 x 30
Rear (diameter x thickness, mm)		Ventilated discs 310 x 18
Parking brake		Foot pedal
<b>STEERING</b>		
Type		Rack and pinion, electric power steering
Ratio		13.2
Turns (lock to lock)		2.84
Min. turning radius (m)	Tyre	5.2

	Body	5.6
<b>TYRES AND WHEELS</b>		
Tyre & wheel size	RC	Front 235/45R18 Rear 235/45R18
	RC F Sport/ RC Takumi	Front 235/40R19 Rear 265/35R19

## RC EQUIPMENT SPECIFICATIONS

<b>SAFETY</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
Lexus Safety System+: Pre-Collision System, Dynamic Radar Cruise Control, Lane Keep Assist, Automatic High Beam, Road Sign Assist	✓	✓	✓
Driver & front passenger airbags	✓	✓	✓
Driver & front passenger side airbags	✓	✓	✓
Driver & front passenger knee airbags	✓	✓	✓
Curtain Shield airbags	✓	✓	✓
Front passenger airbag cut-off switch	✓	✓	✓
ABS	✓	✓	✓
Electronic Brakeforce Distribution (EBD) with Brake Assist System (BAS)	✓	✓	✓
Vehicle Stability Control (VSC)	✓	✓	✓
Traction Control (TRC)	✓	✓	✓
Vehicle Dynamics Integrated Management (VDIM)	✓	✓	✓
Hill-start Assist Control (HAC)	✓	✓	✓
Blind Spot Monitor and Rear Cross Traffic Alert	✘	Opt	✓
Pop-up Hood	✓	✓	✓
Auto Location Tyre Pressure Monitoring System	✓	✓	✓
Speed sensitive power steering	✓	✓	✓
Electronic front seatbelt pretensioners with force limiters	✓	✓	✓
Five three-point seatbelts and headrests	✓	✓	✓
High-mounted rear stop light	✓	✓	✓
<b>INSTRUMENT &amp; CONTROLS</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
Drive Mode Select	✓	✓	✓
Front and rear parking sensors	✓	✓	✓
Speed-sensitive electric power steering	✓	✓	✓
Reversing camera	✓	✓	✓

<b>AUDIO, NAVIGATION &amp; INFORMATION</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
Lexus Premium Navigation with 10.3-inch display	✓	✓	✓
10-speaker Pioneer audio with DAB and DVD player	✓	✓	✗
17-speaker Mark Levinson 7.1-channel surround sound system with DVD player and DAB tuner	✗	Opt*	✓
Smartphone integration via Apple CarPlay and Android Auto	✓	✓	✓
Access to Lexus Link connected services (and optional Wi-Fi)	✓	✓	✓
2x USB ports and Aux-in socket	✓	✓	✓
Bluetooth	✓	✓	✓
<b>COMFORT &amp; CONVENIENCE</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
Auto-dimming rear view mirror	✓	✓	✓
Electrically adjustable steering column	✓	✓	✓
Electric front windows	✓	✓	✓
Memory function for driver's seat, steering wheel and door mirrors	✗	✓	✓
"Auto-away" function –driver's seat/ steering column	✓	✓	✓
Heated steering wheel	✗	Opt*	✓
Power bootlid	✓	✓	✓
<b>VENTILATION</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
Dual-zone climate control air conditioning with electrostatic temperature switches	✓	✓	✓
<b>SECURITY</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
Alarm with intrusion and tilt sensors	✓	✓	✓
Smart Entry and Start system	✓	✓	✓
Remote central locking with deadlocks	✓	✓	✓
Two-step double locking	✓	✓	✓
Security VIN etching	✓	✓	✓
Engine immobiliser	✓	✓	✓

<b>SEATING, UPHOLSTERY &amp; TRIM</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
60:40 split-folding rear seat	✓	✓	✓
Front and rear armrests with storage	✓	✓	✓
Tahara upholstery	✓	✗	✗
Smooth leather upholstery	✗	✗	✓
Smooth leather upholstery with stitched quilting	✗	✓	✗
Front seats with heating/ventilation	✓	✗	✓
F Sport 8-way power adjustable seats with heating/ventilation	✗	✓	✗
8-way electrically adjustable front sports seats with leather upholstery	Opt	✗	✓
3-spoke steering wheel with paddle shifts	✓	✗	✓
F Sport 3-spoke leather-trimmed steering wheel with paddle shifts	✗	✓	✗
Leather gear lever trim	✓	✗	✓
F Sport leather gear lever trim	✗	✓	✗
F Sport aluminium interior trim	✗	✓	✗
F Sport aluminium sports pedals	✗	✓	✗
F Sport aluminium scuff plates	✗	✓	✗
Aluminium scuff plates	✗	✓	✓
Gloss black trim detail	✓	✗	✗
Grey Shimamoku wood trim detail	✗	✗	✓
60:40 split-folding rear seat	✓	✓	✓
<b>EXTERIOR</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
LED headlights	✓	✗	✗
LED headlights in triple-L configuration *	✗	✓	✓
LED front turn indicators	✗	✓	✓
LED daytime running lights	✓	✓	✓
LED rear lights	✓	✓	✓
Cornering lights	✓	✓	✓
Headlamp cleaners	✓	✓	✓
Power adjustable, heated door mirrors	✓	✗	✗

Power auto-folding, heated, auto-dimming door mirrors with memory setting	x	✓	✓
Doorhandles with integrated illumination	✓	✓	✓
Rain-sensing windscreen wipers	x	✓	✓
Sunroof	Opt	Opt	✓
F Sport mesh grille	x	✓	x
18in 5-spoke alloy wheels	✓	x	x
F Sport 19in multi-spoke dark-finish alloy wheels	x	✓	x
19in 10-spoke alloy wheels	x	x	✓
Tyre repair kit	✓	✓	✓
<b>OPTION PACKS</b>	<b>RC</b>	<b>F SPORT</b>	<b>TAKUMI</b>
Leather Pack: smooth leather upholstery and heated steering wheel	Opt	x	x
Takumi Pack: heated steering wheel, sunroof, card key, Naguri inlay	x	Opt	x

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