

Thatcham Research 1st

Lexus RC coupe



The RC is a new coupe from Lexus, with a Carbon model featuring Carbon Fibre Reinforced Plastic (CFRP) for the roof and bonnet, and a hybrid model to follow later in 2015.

MANUFACTURERS:

ALFA ROMEO
AUDI
BENTLEY
BMW
CADILLAC
CHEVROLET
CHRYSLER/JEEP
CITROEN
DACIA
FIAT
FORD
GEELY
GREAT WALL
HONDA
HYUNDAI
INFINITI
ISUZU
JAGUAR
KIA
LAND ROVER
LEXUS
LOTUS
MAZDA
MERCEDES BENZ
SAIC MG
MINI
MITSUBISHI
NISSAN
PEUGEOT
PORSCHE
PROTON
RENAULT
ROLLS ROYCE
SEAT
SKODA
SSANGYONG
SUBARU
SUZUKI
TATA
TOYOTA
VAUXHALL
VW
VOLVO
OTHERS

OTHER CAT.:

REPAIR
SAFETY
GENERAL





The RC coupe is taken from the Lexus IS & GS platform sets, so will include a high percentage of High Strength Steel (HSS) and some aluminium content including the bonnet (for RC-F models). The inner sill and reinforcement have been strengthened from the donor platform set. The A post reinforcement and inner will include Advanced High Strength Steel (AHSS) and the B post will include Press Hardened Steel. Lexus Laser Screw Welding is applied to the door apertures and rear screen aperture and there is considerable structural adhesive applied throughout the structure. It is likely that Lexus has used adaptive welding to enable additional spot welds along the inner sills and other key areas.

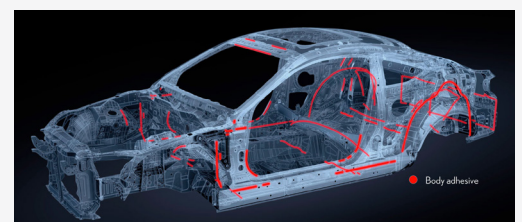
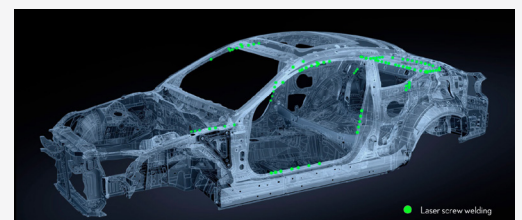
The RC-F Carbon versions feature a CFRP roof panel, bonnet and rear spoiler. A sunroof is optional for the RC-F, but obviously not for the Carbon model.

Dimensions are: length 4695 mm, width 1840 mm, height 1395 mm. Wheelbase is 2730 mm.

Technology :

The RC-F features an active rear spoiler that deploys above 50 mph, and Lexus Vehicle Dynamics Integrated Management (VDIM) 8 SRS airbags, Lane Departure Warning, front and rear parking sensors with rear camera, and Rear Cross Traffic Alert are all standard fit.

Adaptive Cruise Control with Pre-Crash Safety (Autonomous Emergency Braking) is an option on both models (RC-F and RC-F Carbon, RC300h to be confirmed).



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Trim levels : RC300h,
RC-F, RC-F Carbon

All models have LED headlamps, reversing camera, Lane Departure Warning, cruise control and an active rear spoiler.

RC-F: features LED headlamps, 19" alloy wheels (design 1), leather interior and keyless entry.

RC-F Carbon: as well as the CFRP body panels (roof, spoiler and bonnet) this receives a different 19" alloy wheel design (design 2), heated Alcantara interior and a Mark Levinson surround sound system.

RC300h specification is to be confirmed later in 2015.











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Paint Colours : Velvet Black is the standard colour, with other options costing £625..

Note: in other markets 1H9 is known as Nebula Grey, 212 is Obsidian, 3T5 is Infrared, 083 is Ultra White, and 8X1 is Ultrasonic.

	Velvet Black 212		F Sport White 83		Mercury Grey 1H9
	Sonic Silver 1J2		Celestial Black 217		Sonic Red 3T5
	Solar Flare 4W7				Azure Blue 8X1

Powertrains :

300h hybrid - 2.5 16-valve 4-cylinder producing 176 bhp and 221 Nm of torque, combined with a 141 bhp electric motor, combined output being 217 bhp. This is mated to a sequential 6 speed transmission. (300h is available from mid-2015)

The 5.0 (4969 cc) 32-valve V8, producing 471 bhp and 520 Nm, with an 8-speed transmission features variable valve timing, switching between the Atkinson cycle and the Otto cycle according to need. Output is through an 8-speed transmission. The RC-F is electronically restricted to 168 mph.

