

Group 3E Recognition FORM

A) Vehicle seen from 3/4 front

B) Vehicle seen from 3/4 rear



1. GENERAL

101. Manufacturer

LEXUS

102. Commercial name(s) - Model and type

RC F

103. Engine capacity

4969 cm³

Corrected engine capacity

4969 x 1 = **4969**cm³

104. Type of car construction

a) Type



separate chassis



monocoque

b) Material of chassis / bodyshell

STANDARD/METAL

106. Number of seats

4

2. DIMENSIONS, WEIGHT

Minimum Racing Weight

1705 kg

202. Overall length

4705 mm ± 1 %

203. Maximum overall width

1845 mm ± 1 % Where measured _____

204. Width of bodywork

a) At front axle

_____ mm ± 1 %

b) At rear axle

_____ mm ± 1 %

206. Wheelbase **2730** mm ± 1%

207. Maximum track

a) Front **1555** mm

b) Rear **1560** mm

3. ENGINE

(In case of rotary engine, see Art. 335 on additional form)

301. Location and position of the engine

FRONT

Make **Lexus** Model **RC F**

302. Number of mounts **2**

Engine in its compartment



304. Supercharging yes no

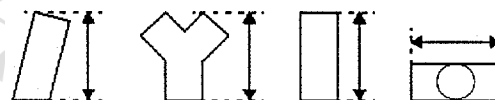
Maximum manifold pressure _____

Type and number of compressors _____

305. Number and layout of cylinders **V8**

312. Cylinder block material **LEXUS FACTORY**

310. Maximum compression ratio **12.3 : 1**



313. Sleeves a) yes no b) Material _____ c) wet dry

314. Bore **94.0** +/- 0.1 mm

316. Stroke **89.5** +/- 0.1 mm

321. Cylinderhead a) Number **2** b) Material _____

324. Fuel feed by injection : a) Make **EFI** b) Model **D-45**

f) Position of Injectors:

f1) Manifold Cylinderhead

325. Camshaft a) Number **4** b) Location **CYLINDERHEAD**
c) Drive system **DOHC** f) Type of valve operation **DOHC**



Make **Lexus** Model **RC F**

327. Intake

- a) Material of manifold _____
 b) Number of manifold elements **14**
 c) Number of valves per cylinder **1**

328. Exhaust

- a) Material of manifold _____
 b) Number of manifold elements **11**
 d) Number of valves per cylinder **4**
 p) External Diameter of exhaust pipe between manifold and first silencer **5.48** mm ± 5%

330. Ignition system

- a) Type **ELECTRONIC**
 b) Number of plugs per cylinder **1**
 c) Number of distributors **2**
 d) Number of coils **8**

331. Cooling systemCapacity **11.6** L**332. Cooling fan**

- a) Number **2**
 b) Diameter of the fan _____ mm
 c) Material of the fan _____
 d) Number of blades **5**
 e) Type of drive _____
 f) Automatic cut in yes no

333. Lubrication system

- a) Type **OIL**
 b) Number of oil pumps **1**
 c) Total capacity **10.8** L
 e) Location of the cooler(s) **PARRELLEL TO OIL CIRCUIT**
 f) Type of the cooler(s) _____

4. FUEL CIRCUIT**401. Fuel tank**

- b) Location **IN FRONT OF REAR AXEL**
 d) Total capacity **66** L

402. Fuel pump(s)

- a) Elelectrical Mechanical b) Number **1**

d) Location **BELOW REAR PASSENGER SEAT**Fuel Pressure **400KPA****5. ELECTRICAL EQUIPMENT****502. Alternator**

- a) Number **1** b) Type **AC**
 c) Drive system **BELT - V BELT** d) Nominal power **100** Amp

503. Retractable headlights

- a) yes no b) Control system _____

Make **Lexus** Model **RC F**

6. POWER TRAIN

601. Driven wheels front yes no rear yes no

602. Clutch a) Type **PLANETARY AUTOMATIC – PADDLE SHIFT**

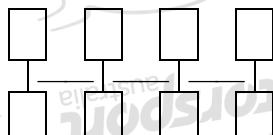
b) Control system **VIRTUAL CLUTCH TO CLUTCH**

603. Gearbox a) Location **FRONT** b) Make **FACTORY LEXUS**
 c) Type and location of control **PADDLE SHIFT/AUTOMATIC CONTROL**

e) Ratios

	Number of teeth	Ratio	Constant Mesh	Synchro
1	_____	4.596	_____	_____
2	_____	2.724	_____	_____
3	_____	1.863	_____	_____
4	_____	1.464	_____	_____
5	_____	1.231	_____	_____
6	_____	1.000	_____	_____
R	_____	2.176	_____	_____
Constant	_____	_____	_____	_____

f) Gear change gate
NA - Paddle



604. Transfer box / Centre differential

a) Ratios **9**

c) Control system of transfer box **TORQUE VECTORING** d) Type of central differential **REAR DIFF**

605. Final drive

a) Type of final drive **TORQUE VECTORING DIFFERENTIAL**

b) Ratio **2.94**

f) Oil Cooler yes no yes no

g) Cooler Type _____

606. Shafts a) Type of longitudinal shafts _____



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- b) Material of longitudinal shafts _____
- c) Type of transversal half-shafts _____
- d) Material of transversal half-shafts _____

7. SUSPENSION

701. General

	Front	Rear
a) Type of suspension	<u>DOUBLE WISHBONE</u>	<u>MULTI-LINK</u>
702. Helical springs	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<u>METAL</u>	<u>METAL</u>
703. Leaf springs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no
a) Material	_____	_____
704. Torsion bars	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no
a) Material	<u>METAL</u>	<u>METAL</u>

705. Other type of suspension

See description on additional form

706. Stabiliser

	Front	Rear
b) Effective diameter	_____ mm	_____ mm
c) Material	_____	_____

707. Suspension Dampers

	Front	Rear
a) Number per wheel	<u>1</u>	<u>1</u>
b) Type	<u>MONOTUBE GAS FILLED SHOCK ABSORBER</u>	<u>MONOTUBE GAS FILLED SHOCK ABSORBER</u>
c) Principle of operation	_____	_____

8. WHEELS

801. Wheels

	Front	Rear
a) Diameter	<u>19"</u>	<u>19"</u>
b) Width	<u>9"</u>	<u>10"</u>



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c) Offset

+50 mm	+41 mm
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803. Brakes

a) Braking system

BREMBO FACTORY LEXUS

b) Number of master cylinders

1

c) Servo-brakes

<input checked="" type="checkbox"/> yes	<input type="checkbox"/> no
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c1) Make and type

LEXUS FACTORY

	Front	Rear
e) Number of cylinders per wheel	6	4
f) Drum brakes	_____	_____
f1) Internal diameter	_____	_____
f2) Number of linings per wheel	_____	_____
g) Disc brakes		
g1) Number of pads per wheel	2	2
g2) Number of calipers per wheel	1	1
g3) Caliper material	<u>ALUMINIUM</u>	<u>ALUMINIUM</u>
g4) Thickness of new disc	34 ± 1 mm	28 ± 1 mm
g5) External diameter of the disc	380 ± 1.5 mm	345 ± 1.5 mm
g9) Ventilated discs	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no

h) Parking brake: h1) Control system

ELECTRONIC

h2) Location of lever _____

h3) On which wheels

<input type="checkbox"/> Front	<input type="checkbox"/> Rear
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804. Steering

a) Type

Front		Rear	
<u>VEHICLE SPEED SENSING</u>		_____	
<u>RACK & PINION</u>		_____	
<input type="checkbox"/> yes	<input type="checkbox"/> no	<input type="checkbox"/> yes	<input type="checkbox"/> no
_____		_____	

b) Servo-assistance

Type of Assistance



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9. BODYWORK

901. Interior

a) Ventilation

<input type="checkbox"/>	yes	<input type="checkbox"/>	no
<input checked="" type="checkbox"/>	yes	<input type="checkbox"/>	no

b) Heating

<input checked="" type="checkbox"/>	yes	<input type="checkbox"/>	no
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c) Air Conditioning

f) Optional sun roof

<input checked="" type="checkbox"/>	yes	<input type="checkbox"/>	no
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f1) Type _____

f2) Control system _____

g) Opening system for side windows

Front	Rear
<u>ELECTRONIC</u>	<u>ELECTRONIC</u>

X) Dashboard



Y) Sunroof



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902. Exterior

a) Number of doors **2**

b) Tailgate yes no

Front	Rear
_____	_____

c) Door material

d) Front bonnet material **CARBON**

e) Rear bootlid / tailgate material _____

f) Bodywork material _____

h) Rear window material **GLASS**

i) Rear quarter window material **GLASS**

Front	Rear
<u>GLASS</u>	<u>GLASS</u>
<u>FACTORY</u>	<u>FACTORY</u>

k) Side window material

l) Material of bumper

<input type="checkbox"/> yes	<input checked="" type="checkbox"/> no
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n) Exterior Rear wiper



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XIII) NON METALLIC PARTS OF THE BODY

Number	Part	Material
1	Bonnet	Carbon
2	Front Bar	Plastic
3	Rear Bar	Plastic
4	Door handles	Plastic
5	Rear spoiler	Carbon
6	Rear Tail Lights	Plastic
7	Front headlights	Plastic
8	Front Grille	Plastic
9	Roof	Carbon

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COMPLEMENTARY INFORMATION

