

Manufacturers Reference No. for Application

G.4.G.T.63.



F.I.A. Recognition No.

132

# ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

## Federation Internationale de l'Automobile.

Form of Recognition in accordance with  
Appendix J to the  
International Sporting Code.

Manufacturer Ginetta Cars Ltd.

Model Ginetta G.4.

Year of Manufacture 1962

Serial No. of Chassis 4/0001 - 4/0135

Engine S229129E to S315047E.

Type of Coachwork Sports 2 seater.

Recognition is valid from September 5th, 1963 In category 1000 cc G.T.

9/22



*Handwritten signature*

Stamp of R.A.C. to be affixed here.



*Handwritten signatures and initials:*  
RAC  
L. J. ...  
RAC  
Butler

Form. R.F.I.A.

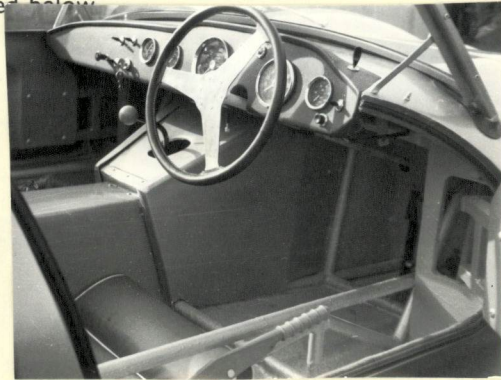


**General description of car:**

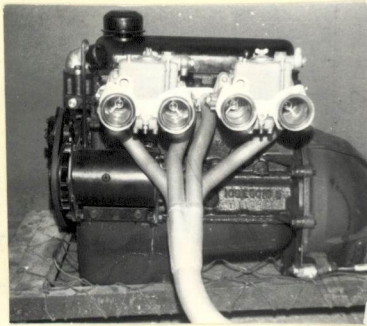
*Specify here material/s of chassis/body construction*

Tubular steel chassis frame with fibreglass reinforced Plastic body.

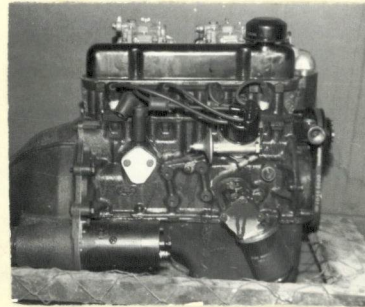
Photographs to be affixed below



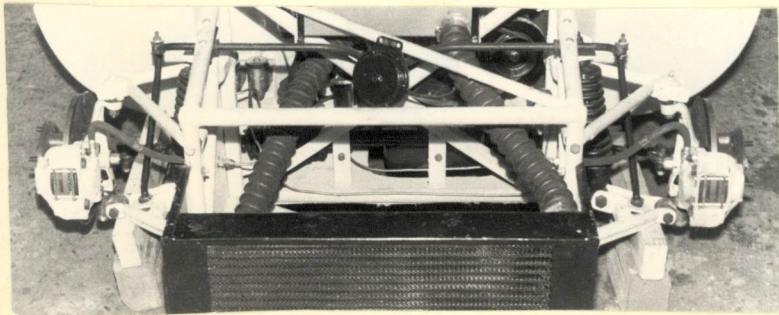
*Engine unit with accessories from right.*



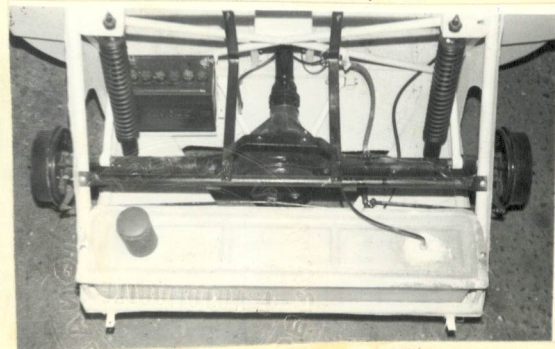
*Engine unit with accessories from left.*



*Front axle complete (without wheels).*



*Rear axle complete (without wheels).*





# ENGINE

in line **Yes**  
 No. of cylinders **4** in V **-**  
 opposed **-**  
 Cycle **4** Firing order **1 2 4 3**  
 Capacity **996.6** c.c. Bore **80.96** m.m. Stroke **48.41** m.m.  
 Maximum rebore **nil** Resultant capacity **nil** c.c.  
 Material of cylinder block **Cast Iron** Material of sleeves, if fitted **Cast Iron**  
 Distance from crankshaft centre line to top face of block at centre line of cylinders **184** m.m.  
 Material of cylinder head **Cast Iron** Volume of one combustion chamber **26** c.c.  
 Compression ratio **10.5 - 1.**  
 Material of piston **Aluminium** No. of piston rings **3**  
 Distance from gudgeon pin centre line to highest point of piston crown **39** m.m.  
 Bearings { Crankshaft main bearings: Type **Lead Indium** Dia. **53.84** m.m.  
 Connecting rod big end: Type **Lead Indium** Dia. **48.02** m.m.  
 Weights { Flywheel **6** kg.  
 Crankshaft **7.25** kg.  
 Connecting rod **0.58** kg.  
 Piston with rings **0.45** kg.  
 Gudgeon pin **0.15** kg.  
 No. of valves per cylinder **2** Method of valve operation **Push Rod**  
 No. of camshafts **1** Location of camshafts **in block**  
 Type of camshaft drive **Chain**  
 Diameter of valves: Inlet **35** m.m. Exhaust **30** m.m.  
 Diameter of port at valve seat: Inlet **32** m.m. Exhaust **27** m.m.  
 Tappet clearance for checking timing: Inlet **0.45** m.m. Exhaust **0.48** m.m.  
 Valves open: Inlet **40 B.T.D.C.** Exhaust **80 B.B.D.C.**  
 Valves close: Inlet **80 A.B.D.C.** Exhaust **50 A.T.D.C.**  
 Maximum valve lift: Inlet **10** m.m. Exhaust **10** m.m.  
 Degrees of crankshaft rotation from zero to—  
 Maximum lift: Inlet **150** Exhaust **155**  
 $\frac{3}{4}$  Maximum lift: Inlet **90** Exhaust **85**  
 Valve springs: Inlet Exhaust  
 Type **Coil** **Coil**  
 No. per valve **2** **2**  
 Carburettor: Type **Horizontal** No. fitted **2**  
 (up or down draft, horizontal)  
 Make **Weber** Model **40.D.C.O.E.2.**  
 Flange hole diameter **40** m.m. Choke diameter **30** m.m.  
 Main jet identification No. **115**

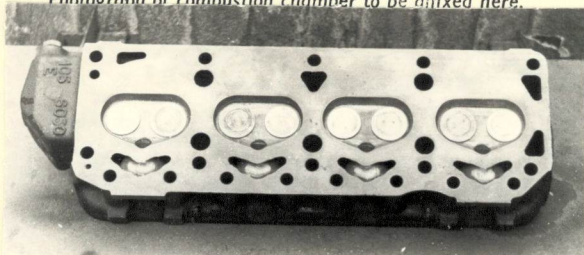
Air filter: Type..... **Nil** ..... No. fitted..... **Nil** .....

Inlet manifold:

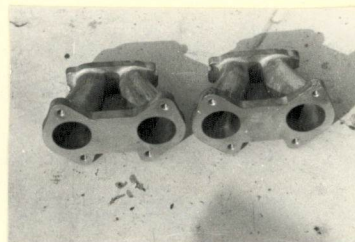
Diameter of flange hole at carburettor..... **40** ..... m.m.

Diameter of flange hole at port..... **27.5** ..... m.m.

Photograph of combustion chamber to be affixed here.



Photograph of inlet manifold to be affixed here.



Exhaust manifold:

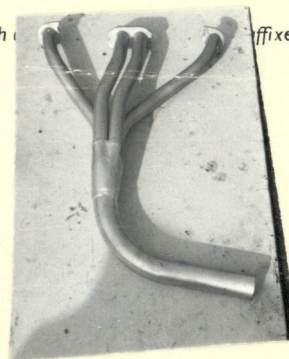
Diameter of flange hole at port..... **27** ..... m.m.

Diameter of flange hole at connection to silencer inlet pipe..... **42** ..... m.m.

Photograph of piston showing crown to be affixed here.



Photograph of exhaust manifold to be affixed here.



## ENGINE ACCESSORIES

Make of fuel pump..... **S.U.** ..... No. fitted..... **2** .....

Method of operation..... **Electric** .....

Type of ignition system..... **Coil** ..... coil or magneto

Make of ignition..... **Lucas** ..... Model..... **Racing** .....

Method of advance and retard..... **Centrifugal** .....

Make of ignition coil..... **Lucas** ..... Model..... **SA12** .....

No. of ignition coils..... **1** ..... Voltage..... **12 volt** .....

Make of dynamo..... **Lucas** ..... Model..... **C 40** .....

Voltage of dynamo..... **12** ..... Maximum output..... **35** ..... amps.

Make of starter motor..... **Lucas** ..... Model..... **M 35 G** .....

Battery: No. fitted..... **1** ..... Voltage..... **12** ..... Capacity..... **30** amp. hour

Oil Cooler (if fitted) type..... **Radiator** ..... Capacity..... **2** ..... pints



Make Ginetta Model G.4. F.I.A. Recognition No. \_\_\_\_\_  
 Manufacturers Reference No. of Application G.4.G.T.63

### TRANSMISSION

Make of clutch Borg & Beck Type Racing  
 Diameter of clutch plate 7.25 inches No. of plates 1  
 Method of operating clutch Hydraulic  
 Make of gearbox Ford Type 105E  
 No. of gearbox ratios 4 forward 1 reverse  
 Method of operating gearshift Manual  
 Location of gearshift Central  
 Is overdrive fitted? No  
 Method of controlling overdrive, if fitted -

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	2.9	35/15						
2.	1.69	28/22						
3.	1.28	24/25						
4.	1.	Direct						
5.	Primary shaft - Lay shaft 21/28							

Type of final drive Hypoid  
 Type of differential Limited slip  
 Final drive ratio 4.5 - 1. Alternatives 3.7 -1, 4.2 -1, 4.9 -1, 5.1 -1.  
 No. of teeth 41/9 41/11 38/9 39/8 41/8  
 Overdrive ratio, if fitted -

### WHEELS

Type Magnesium Weight 4.5 kg.  
 Method of attachment 4 stud  
 Rim diameter 330.2 m.m. Rim width 127 m.m.  
 Tyre size: Front 4.50 x 13 Rear 5.00 x 13

### BRAKES

Method of operation Hydraulic  
 Is servo assistance fitted? No  
 Type of servo, if fitted -  
 No. of hydraulic master cylinders 1 Bore 15.5 m.m.



	Front	Rear
No. of wheel cylinders	2	1
Bore of wheel cylinders	40 m.m.	15.5 m.m.
Inside diameter of brake drums	- m.m.	177 m.m.
No. of shoes per brake	-	2
Outside diameter of brake discs	231 m.m.	- m.m.
No. of pads per brake	2	-
Dimensions of brake linings per shoe or pad (if all shoes or pads in each brake are not of same dimensions, specify each)		

	Front	Rear
Length	60 m.m.	175 m.m.
	m.m.	m.m.
Width	40 m.m.	32 m.m.
Total area per brake	4800 m.m. <sup>2</sup>	11200 m.m. <sup>2</sup>

### SUSPENSION

	Front	Rear
Type	Transverse wishbone	Live axle
Type of spring	Coil	Coil
Is stabiliser fitted?	Yes	No
Type of shock absorber	Telescopic hydraulic	Telescopic hydraulic
No. of shock absorbers	1	1

### STEERING

Type of steering gear..... Rack and pinion

Turning circle of car..... 9 m., approx.

No. of turns of steering wheel from lock to lock..... 2.8

### CAPACITIES AND DIMENSIONS

Fuel tank..... 22.5 litres Sump..... 4.5 litres

Radiator..... 6.8 litres

Overall length of car..... 334 cm. Overall width of car..... 142 cm.

Overall height of car, unladen (with hood up, if appropriate)..... 106 cm.

Distance from floor to top of windscreen:

Highest point..... 82 cm. Lowest point..... 80 cm.

Width of windscreen:

Maximum width..... 124.5 cm. Minimum width..... 108 cm.

\*Interior width of car..... 129 cm.

No. of seats..... 2

Track: Front..... 122.6 cm. Rear..... 121.4 cm.

Wheelbase..... 203.4 cm. Ground clearance..... 122 m.m.

\*(To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.)

Overall weight with water, oil and spare wheel, but without fuel 451.00 kgs.



**Additional information for cars fitted with two-cycle engines**

System of cylinder scavenging.....

Type of lubrication.....

Size of inlet port:

Length measured around cylinder wall.....m.m.

Height.....m.m. Area.....m.m.<sup>2</sup>

Size of exhaust port:

Length measured around cylinder wall.....m.m.

Height.....m.m. Area.....m.m.<sup>2</sup>

Size of transfer port:

Length measured around cylinder wall.....m.m.

Height.....m.m. Area.....m.m.<sup>2</sup>

Size of piston port:

Length measured around piston.....m.m.

Height.....m.m. Area.....m.m.<sup>2</sup>

Method of pre-compression.....

Bore and stroke of pre-compression cylinder, if fitted.....m.m.

Distance from top of cylinder block to lowest point of inlet port.....m.m.

Distance from top of cylinder block to highest point of exhaust port.....m.m.

Distance from top of cylinder block to highest point of transfer port.....m.m.

Drawing of cylinder ports.

**Supercharger, if fitted**

Make..... Model or Type No.....

Type of drive..... Ratio of drive.....

**Fuel injection, if fitted**

Make of pump..... Model or Type No.....

Make of injectors..... Model or Type No.....

Location of injectors.....

Optional equipment affecting preceding information:—

Wire wheels - pressed steel wheels. Auxilliary fuel tanks, 22.5 litres, 31.5 litres and 45 litres, capacity.





# ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

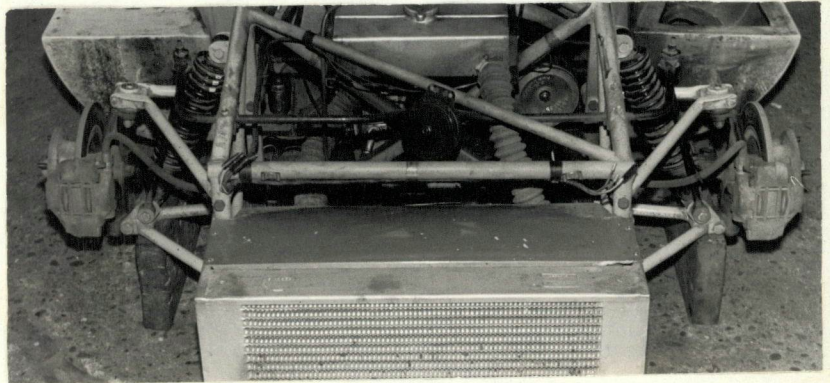
## Federation Internationale de l'Automobile.

Amendment to Form of Recognition

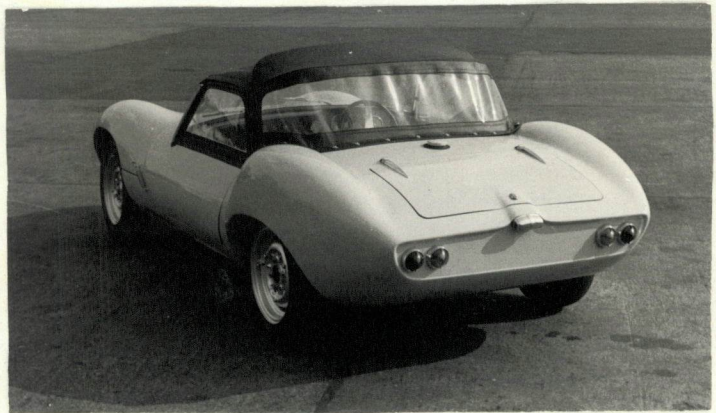
Manufacturer..... GINETTA CARS LTD.

Model..... GINETTA G.4

New front spring units  
as photograph



New rear coachwork outline  
as photograph



Stamp of F.I.A./R.A.C. to be  
affixed here.

Date amendment is valid from November 4th 1963

List 9/24 Form: R.F.I.B.

*Hubert Schwaab*