

Manufacturers Reference No. for Application

H 22/7



F.I.A. Recognition No.

50

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 FAIRBURY LTD.

Model ALBERTON 172

Year of Manufacture 1961

Serial No. of Chassis

Engine

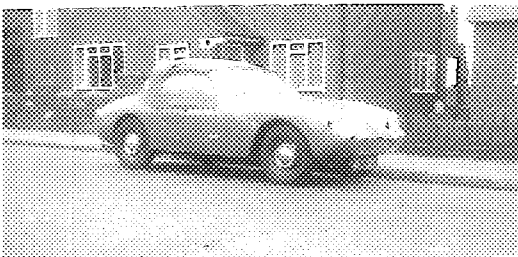
Type of Coachwork Glass-Fibre Sports

Recognition is valid from 16/1/62

In category Grand Touring

(this may be regarded as Complementary to the ALBERTON
Mark II, first homologated 1958)

Photograph to be affixed here $\frac{3}{4}$ view of car from front right.



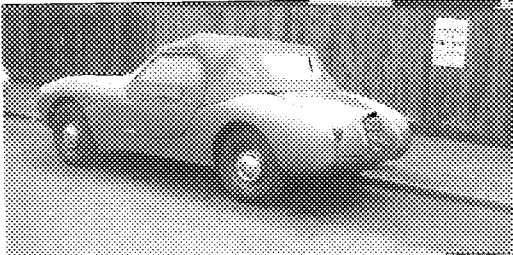
Stamp of F.I.A. to be
affixed here.

General description of car:

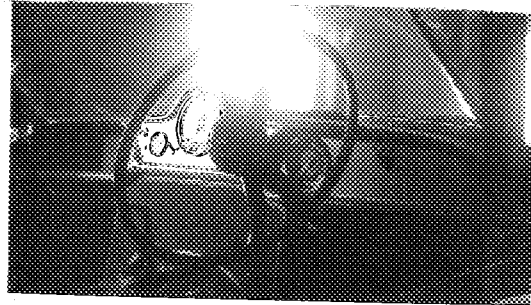
Light super-sports car.

Photographs to be affixed below.

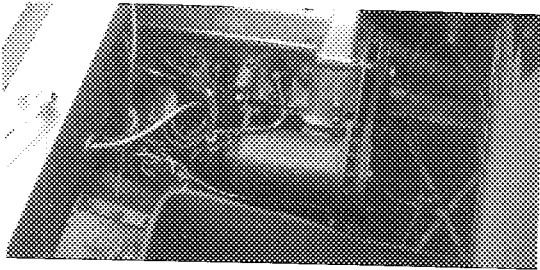
¾ view of car from rear left.



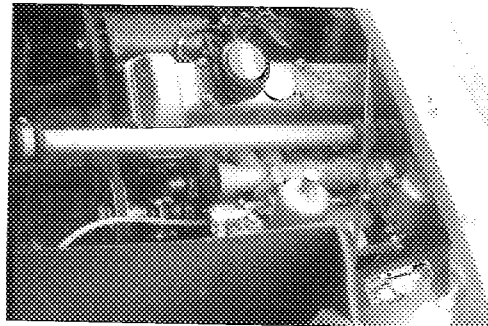
Interior view of car through driver's door.



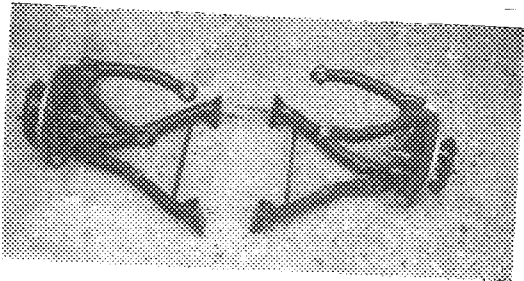
Engine unit with accessories from right.



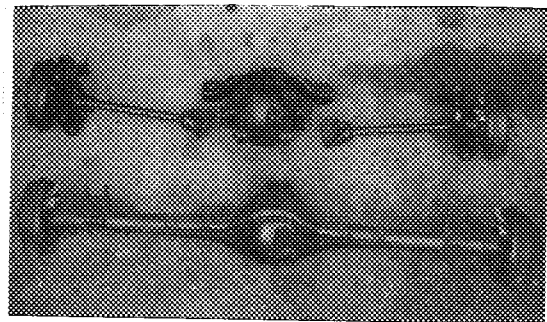
Engine unit with accessories from left.



Front axle complete (without wheels).



Rear axle complete (without wheels).



ENGINE

No. of cylinders 4 in line
in V
opposed

Cycle 4 stroke Firing order 1342

Capacity 1200 c.c. Bore 76 m.m. Stroke 65.6 m.m.

Maximum rebore N.A. Resultant capacity N.A. c.c.

Material of cylinder block Aluminium Material of sleeves, if fitted steel

Distance from crankshaft centre line to top face of block at centre line of cylinders 7.5" m.m.

Material of cylinder head Aluminium Volume of one combustion chamber 305 c.c.

Compression ratio 9.0, 9.3 or 10.5

Material of piston Alloy Aluminium No. of piston rings 3

Distance from gudgeon pin centre line to highest point of piston crown m.m.

Bearings { Crankshaft main bearings: Type strip Dia. 2.260" m.m.
Connecting rod big end: Type strip Dia. 1.874" m.m.

Weights { Flywheel 18 lbs kg.
Crankshaft 25 lbs. kg.
Connecting rod 16 oz kg. less big end bearing shells
Piston with rings 14 oz. 14 drms kg.
Gudgeon pin 3 kg.

No. of valves per cylinder 2 Method of valve operation O.H. Cam

No. of camshafts One Location of camshafts Overhead

Type of camshaft drive Chain

Diameter of valves: Inlet 1.35" m.m. Exhaust 1.2" m.m.

Diameter of port at valve seat: Inlet 1.125" m.m. Exhaust 1.05" m.m.

Tappet clearance for checking timing: Inlet .010" m.m. Exhaust .010" m.m.

Valves open: Inlet 30 Exhaust 60

Valves close: Inlet 60 Exhaust 30

Maximum valve lift: Inlet .360 or .310 m.m. Exhaust .360 or .310 m.m.

Degrees of crankshaft rotation from zero to—

Maximum lift: Inlet 71° (.007" clearance) Exhaust ditto

3/4 Maximum lift: Inlet 43° " " Exhaust "

Valve springs: Inlet Exhaust

Type Coil Coil

No. per valve 2 2

Carburettor: Type Horizontal No. fitted 2
(up or down draft, horizontal)

Make S.U. Model H.4

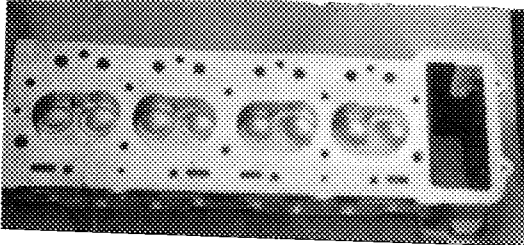
Flange hole diameter 1 1/2" m.m. Choke diameter m.m.

Main jet identification No.

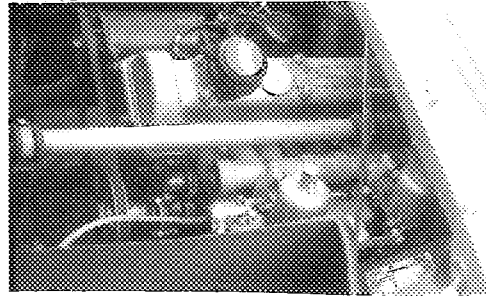
Optional alternative 30³ Weber DCOE

Air filter: Type Nil No. fitted
 Inlet manifold:
 Diameter of flange hole at carburettor 1 1/2" m.m.
 Diameter of flange hole at port 1.15" m.m.

Photograph of combustion chamber to be affixed here.

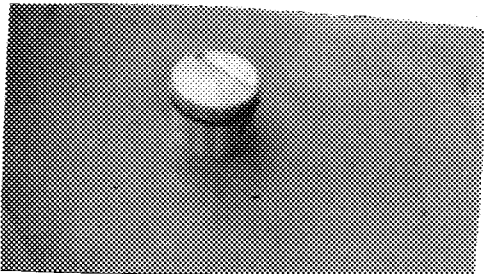


Photograph of inlet manifold to be affixed here.

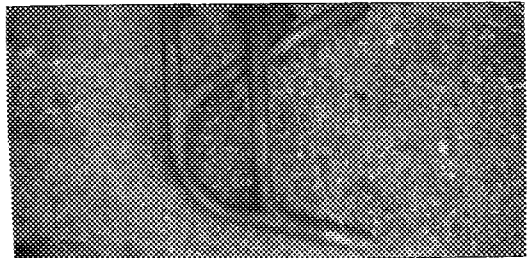


Exhaust manifold:
 Diameter of flange hole at port 1 1/2 or 1.1" m.m.
 Diameter of flange hole at connection to silencer inlet pipe 1 1/2" m.m.

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 1
 Method of operation Electric
 Type of ignition system Coil coil or magneto
 Make of ignition Lucas Model
 Method of advance and retard Centrifugal
 Make of ignition coil Lucas Model HA 12
 No. of ignition coils 1 Voltage 12
 Make of dynamo Lucas Model 139 EVR 2
 Voltage of dynamo 12 (13.5) Maximum output 22 amps
 Make of starter motor Lucas Model M 350-1
 Battery: No. fitted 1 Voltage 12 Capacity 38 amp: hour

Make Fairthorpe Model ELECTRON F.I.A. Recognition No. _____
TYPE
 Manufacturers Reference No. of Application _____

TRANSMISSION

Make of clutch Borg and Beck Type Dry Plate
 Diameter of clutch plate 8" No. of plates 1
 Method of operating clutch Hydraulic
 Make of gearbox Standard Triumph Type _____
 No. of gearbox ratios 4
 Method of operating gearshift Lever
 Location of gearshift Centre Floor
 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.	3.54		4.27		3.75			
2.	2.1		2.46		2.1			
3.	1.38		1.45		1.38			
4.	1		1		1			
5.								

Type of final drive Hypoid Bevel
 Type of differential " "
 Final drive ratio 4.11 Alternatives 4.55
 No. of teeth 9/37 9/41
 Overdrive ratio, if fitted No

WHEELS

Type Disc Weight 13 lbs kg.
 Method of attachment 4 studs
 Rim diameter 13" m.m. Rim width 4 J m.m.
 Tyre size: Front 13" x 5.60" Rear 13" x 5.60"

BRAKES

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

	Front	Rear
No. of wheel cylinders	2	1
Bore of wheel cylinders	1.893 or 1.686" m.m.	m.m.
Inside diameter of brake drums	-	7" m.m.
No. of shoes per brake	-	2
Outside diameter of brake discs	9" 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	2 $\frac{3}{8}$ " m.m.	7" m.m.
	m.m.	m.m.
Width	1 $\frac{1}{2}$ " m.m.	1 $\frac{1}{2}$ " m.m.
Total area per brake	4 $\frac{1}{2}$ or 31" m.m. ²	17 $\frac{1}{2}$ sq.in. m.m. ²

SUSPENSION

	Front	Rear
Type	Wishbones	Wishbones & Links
Type of spring	Coil	Coil
Is stabiliser fitted?	Optional	
Type of shock absorber	Hydraulic Telescopic	Hydraulic Telescopic
No. of shock absorbers	2	2

STEERING

Type of steering gear Rack & pinion

Turning circle of car 23 feet m., approx.

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

CAPACITIES AND DIMENSIONS

Fuel tank 10 gallons litres Sump 1 gallon litres

Radiator system 11 pints litres

Overall length of car 11'5" cm. Overall width of car 59 cm.

Overall height of car, unladen (with hood up, if appropriate) 49" cm.

Distance from floor to top of windscreen:

Highest point 33" cm. Lowest point 33" cm.

Width of windscreen:

Maximum width 49" cm. Minimum width 45" cm.

*Interior width of car 52" cm.

No. of seats 2 occasional 3

Track: Front 48 $\frac{1}{2}$ " cm. Rear 48 $\frac{1}{2}$ " cm.

Wheelbase 6'10" cm. Ground clearance 7" 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 452 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.²

Size of exhaust port:

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

Height.....m.m. Area.....m.m.²

Size of transfer port:

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

Height.....m.m. Area.....m.m.²

Size of piston port:

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

Height.....m.m. Area.....m.m.²

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:—



FAIRTHORPE ELECTRON ^{FWE}

1/62

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MARQUE ET MODELE

VALIDITE HOMOLOGATION

FICHE NR.

GT / 1300

GROUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle

Vérifiée le 25/10/85 par [Signature] visée ce jour le _____ par _____