

Manufacturers Reference No. for Application

EQUIPE G.T. 63



F.I.A. Recognition No. 148

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

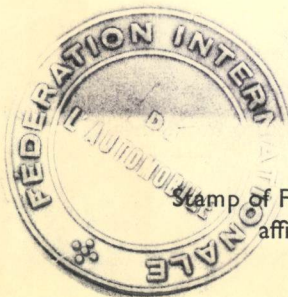
Form of Recognition in accordance with
Appendix J to the
International Sporting Code.

Manufacturer Bond Cars
Model Equipe G.T. Year of Manufacture 1963 onwards
Serial No. of Chassis BFC 1 Onwards
Engine FC 1 Onwards
Type of Coachwork 2 + 2 seater 2 door Grand Turismo
Recognition is valid from November 4th 1963 In category Grand Turismo

Dis 9/24
The cylinder capacity must not exceed 1150 cc



Hubert Schmidt



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

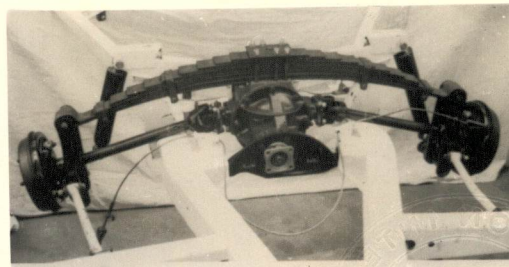
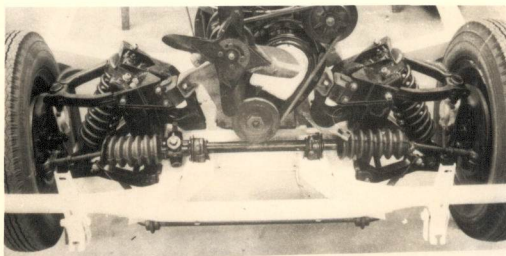
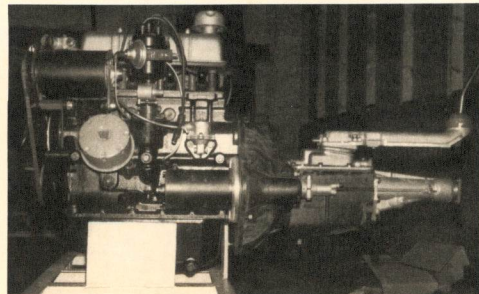
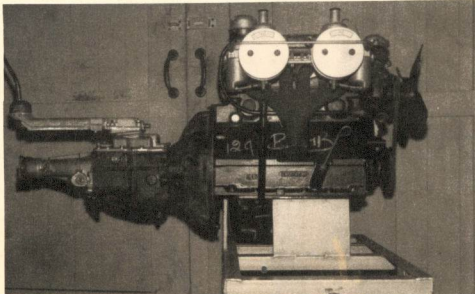
Form: R.F.I.A.

General description of car:

Specify here material/s of
chassis/body construction

STEEL CHASSIS WITH SEPARATE STEEL AND REINFORCED
GLASS FIBRE BODY. INDEPENDENT FRONT AND REAR
SUSPENSION

Photographs to be affixed below.



ENGINE

in line In line
 No. of cylinders 4 in V
 opposed
 Cycle 4 stroke Firing order 1342
 Capacity 1147 c.c. Bore 69.3 m.m. Stroke 76 m.m.
 Maximum rebore 1 mm Resultant capacity 1171 c.c.
 Material of cylinder block cast iron Material of sleeves, if fitted not normally fitted
 Distance from crankshaft centre line to top face of block at centre line of cylinders 275.8 m.m.
 Material of cylinder head cast iron Volume of one combustion chamber 30.14 c.c.
 Compression ratio 9.7 : 1 or 9.1 : 1
 Material of piston aluminium alloy No. of piston rings 3
 Distance from gudgeon pin centre line to highest point of piston crown 38.46 m.m.
 Bearings { Crankshaft main bearings: Type Lead indium Dia. 50.8 m.m.
 Connecting rod big end: Type Lead indium Dia. 41.28 m.m.
 Weights { Flywheel 6.69 kg.
 Crankshaft 10.88 kg.
 Connecting rod .61 kg.
 Piston with rings .3 kg.
 Gudgeon pin .09 kg.
 No. of valves per cylinder 2 Method of valve operation push rods in block
 No. of camshafts 1 Location of camshafts in block
 Type of camshaft drive Chain
 Diameter of valves: Inlet 31.84 m.m. Exhaust 29.21 m.m.
 Diameter of port at valve seat: Inlet 28.82 m.m. Exhaust 26.31 m.m.
 Tappet clearance for checking timing: Inlet .387 m.m. Exhaust .387 m.m.
 Valves open: Inlet 30° Exhaust 30°
 Valves close: Inlet 65° Exhaust 65°
 Maximum valve lift: Inlet 9.083 m.m. Exhaust 9.083 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 133° Exhaust 133°
 $\frac{3}{4}$ Maximum lift: Inlet 78° Exhaust 78°
 Valve springs: Inlet Exhaust
 Type coil coil
 No. per valve 2 2
 Carburettor: Type down draught No. fitted 1
 (up or down draft, horizontal)
 Make Solex or Weber Model B32 PAIA or 40DCOE
 Flange hole diameter 31.8 40 m.m. Choke diameter variable m.m.
 Main jet identification No 115-110-115

Air filter: Type..... A.C.

No. fitted..... 2

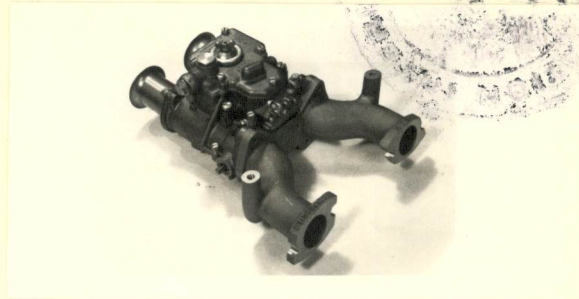
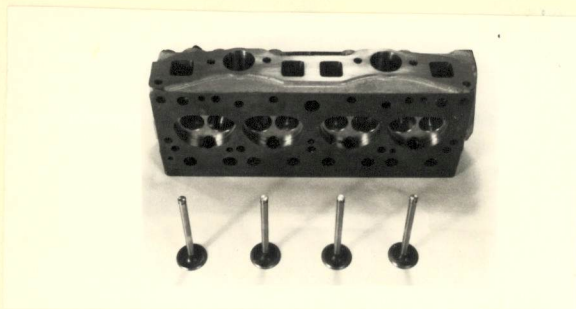
Inlet manifold:

Diameter of flange hole at carburettor..... Weber 40 Solex 31.8

m.m.

Diameter of flange hole at port..... " 35 " 31.8

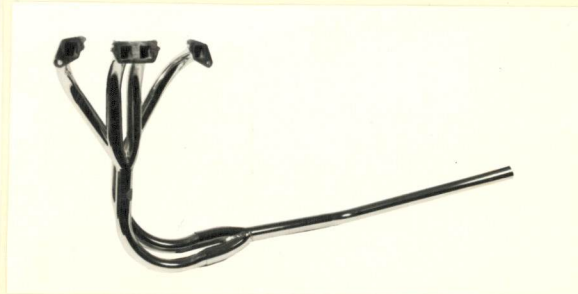
m.m.



Exhaust manifold:

Diameter of flange hole at port..... 25 x 25 m.m.

Diameter of flange hole at connection to silencer inlet pipe..... 35.8 m.m.



ENGINE ACCESSORIES

Make of fuel pump..... S.U. No. fitted..... 1

Method of operation..... Electric "Autopulse"

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

Make of ignition..... Lucas Model

Method of advance and retard..... Centrifugal and Vacuum Automatic

Make of ignition coil..... Lucas Model LA.12

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

Make of dynamo..... Lucas Model C 40/1

Voltage of dynamo..... 12 Maximum output..... 20 amps.

Make of starter motor..... Lucas Model M35C/1

Battery: No. fitted..... 1 Voltage..... 12 Capacity..... 38 amp. hour

Oil Cooler (if fitted) type..... Air/oil radiator Capacity..... 2/3 pints

Optional radiator.....

Make Bond Model EQUIPE G.T. F.I.A. Recognition No.

Manufacturers Reference No. of Application EQUIPE G.T. 63/1

TRANSMISSION

Make of clutch Borg & Beck Type Single, Dry Plate
 Diameter of clutch plate 6 1/4" No. of plates 1
 Method of operating clutch hydraulic
 Make of gearbox Standard Triumph Type Synchromesh
 No. of gearbox ratios 4 forward and 1 reverse
 Method of operating gearshift lever on centre of floor
 Location of gearshift centre floor
 Is overdrive fitted? Yes optional
 Method of controlling overdrive, if fitted Electric

	GEARBOX RATIOS		ALTERNATIVE RATIOS					
	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth	Ratio	No. of Teeth
1.	3.746	$\frac{29}{16} \times \frac{31}{15}$						
2.	2.158	$\frac{29}{16} \times \frac{25}{21}$						
3.	1.394	$\frac{29}{16} \times \frac{20}{26}$						
4.	1.000	direct						
5.								

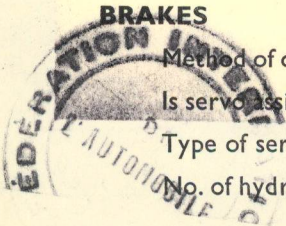
Type of final drive Hypoid bevel
 Type of differential non limited slip
 Final drive ratio 4.11 to 1 Alternatives 4.55 4.875 to 1
 No. of teeth 9/37 9/41 8/39
 Overdrive ratio, if fitted .803

WHEELS

Type Wire wheels 60 spoke Weight 5.3 kg.
 Method of attachment Centre lock
 Rim diameter 330 m.m. Rim width 114.3 m.m.
 Tyre size: Front 165 x 13 Rear 165 x 13

BRAKES

Method of operation hydraulic
 Is servo assistance fitted? Optional extra
 Type of servo, if fitted vacuum type
 No. of hydraulic master cylinders 1 Bore 15.9 m.m.



	Front		Rear
No. of wheel cylinders	2 per wheel		1 per wheel
Bore of wheel cylinders	42.8	m.m.	19.08
Inside diameter of brake drums		m.m.	178
No. of shoes per brake			2
Outside diameter of brake discs	232	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	56	m.m.	178
		m.m.	m.m.
Width	38.1	m.m.	31.8
Total area per brake	8732	m.m. ²	17735
			m.m. ²

SUSPENSION

	Front		Rear
Type	Independent		Independent
Type of spring	Coil		Transverse leaf
Is stabiliser fitted?	Yes		No
Type of shock absorber	Telescopic		Telescopic
No. of shock absorbers	1 per wheel		1 per wheel

STEERING

Type of steering gear..... rack and pinion

Turning circle of car..... 7.7 m., approx.

No. of turns of steering wheel from lock to lock..... 3 3/4

CAPACITIES AND DIMENSIONS

Fuel tank..... 45.46 litres Sump..... 4.4 from dry litres

Radiator..... 5.4 litres

Overall length of car..... 394 cm. Overall width of car..... 152.5 cm.

Overall height of car, unladen (with hood up, if appropriate)..... 132 cm.

Distance from floor to top of windscreen:

 Highest point..... 101.6 cm. Lowest point..... 100.3 cm.

Width of windscreen:

 Maximum width..... 120 cm. Minimum width..... 104.7 cm.

*Interior width of car..... 124 cm.

No. of seats..... 4

Track: Front..... 128 cm. Rear..... 125 cm.

Wheelbase..... 232 cm. Ground clearance..... 170 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..... 675 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:—

4½ J x 13" Disc Wheels ~~or spoke wire wheels~~

Sump skid shield kit

Electric fan

Twin fuel tanks each of 45.46 litres capacity

Carburettors

1. Solex type B32 PAIA "Automatic Twin" Choke Down-Draught

2. Weber Type 40DCOE Twin-Choke Horizontal type.

~~3. Twin S.U. for a standard touring use, carb. size~~

Manifolds

For No. 1 carb. as above; combined 4-branch exhaust/inlet manifold, fabricated, nickel-plated.

For No. 2 carb. as above; cast aluminium inlet manifold only, separate fabricated 4-branch exhaust manifold.

Oil Cooler kit with radiator, engine-block adaptor, hoses.

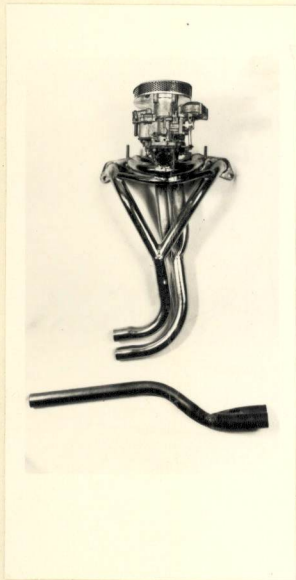
Alternative camshaft; timing 18° 58' 58' 18'

Overdrive. Laycock type "C" Electrically operated, giving .80 overall gear ratio.

Fuel pump. "Autopulse" electrically operated type of S.U. manufacture.

Final drive axle ratio. Optional alternative rear-axle ratios of 4.55 or 4.875 to 1.

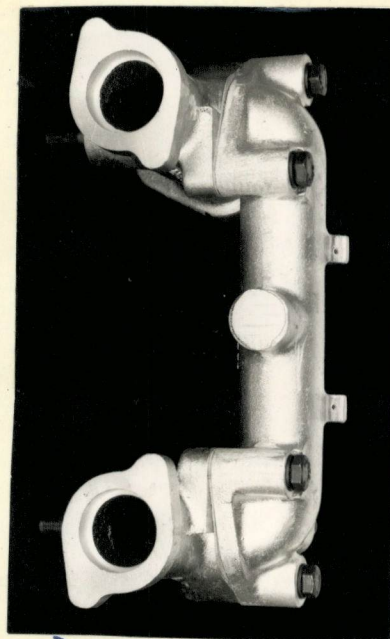
Suspension. Adjustable type shock absorbers, front/rear of "Variflo" and/or "Armstrong" manufacture.



SOLEX



S.U. EXHAUST MANIFOLD



~~S.U. INLET MANIFOLD~~