



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 MG Car Company Limited

Model MGB Year of Manufacture 1962

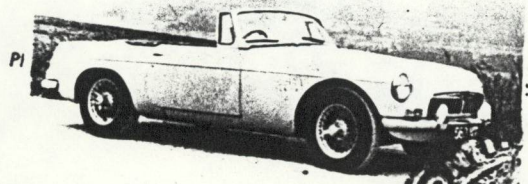
Serial No. of Chassis G-HN3 or G-HN3L

Engine 18G-U-H or 18G-U-L

Type of Coachwork 2 Seater Sports

Recognition is valid from _____ In category G.T.

B.M.C. COMPETITION DEPT
 MG CAR CO. LTD.
 ABINGDON.



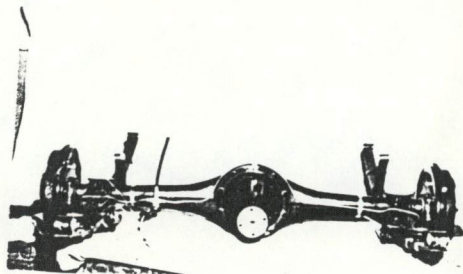
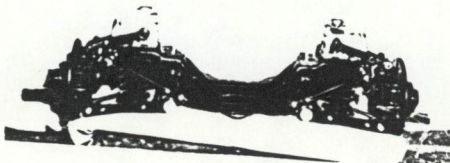
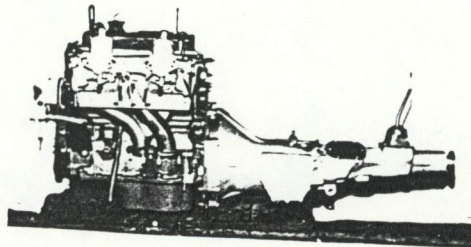
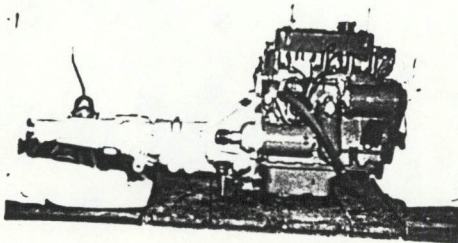
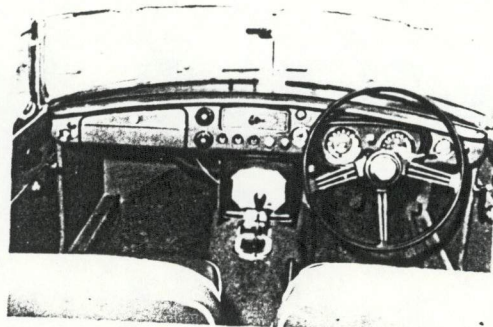
Stamp of F.I.A./R.A.C. to be affixed here.

General description of car:

Specify here material/s of chassis/body construction

Steel/Aluminium 2 seater body of unitary construction powered by 4 cylinder OHV engine in unit with 4 speed gearbox driving rear wheels through hypoid rear axle. Front suspension, independent by coil springs and wish-bone type links, rear suspension by semi-elliptic leaf springs.

Photographs to be affixed below.



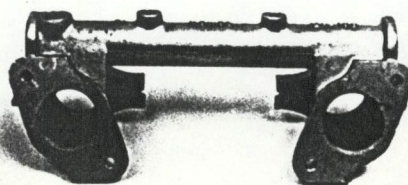
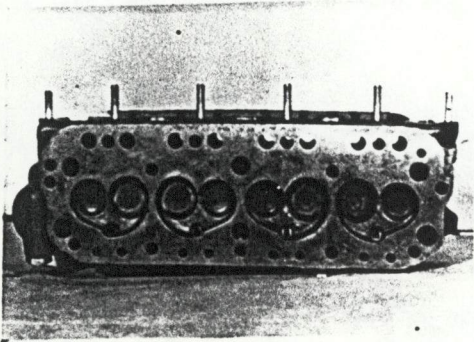
ENGINE

in line Yes
 No. of cylinders 4 in V _____
 opposed _____
 Cycle 4 stroke Firing order 1,3,4,2
 Capacity 1798 c.c. Bore 80.26 m.m. Stroke 89.0 m.m.
 Maximum rebore 1.2 mm Resultant capacity 1840 c.c.
 Material of cylinder block Cast Iron Material of sleeves, if fitted -
 Distance from crankshaft centre line to top face of block at centre line of cylinders 252.4 m.m.
 Material of cylinder head Cast Iron Volume of one combustion chamber 42.5/43.5 c.c.
 Compression ratio 9.5:1
 Material of piston Aluminium Alloy No. of piston rings 4
 Distance from gudgeon pin centre line to highest point of piston crown 42.07 m.m.
 Bearings { Crankshaft main bearings: Type Copper lead Dia. 53.97 m.m.
 Connecting rod big end: Type Copper lead Dia. 47.66 m.m.
 Weights { Flywheel 9.75 kg.
 Crankshaft 17.3 kg.
 Connecting rod 1.02 kg.
 Piston with rings 0.558 kg.
 Gudgeon pin 0.121 kg.
 No. of valves per cylinder 2 Method of valve operation Pushrod
 No. of camshafts 1 Location of camshafts Cylinder block
 Type of camshaft drive Roller chain
 Diameter of valves: Inlet 39.8 m.m. Exhaust 34.23 m.m.
 Diameter of port at valve seat: Inlet 33.33 m.m. Exhaust 29.37 m.m.
 Tappet clearance for checking timing: Inlet 0.46 m.m. Exhaust 0.46 m.m.
 Valves open: Inlet 34° BTDC Exhaust 69° BBDC
 Valves close: Inlet 74° ABDC Exhaust 39° ATDC
 Maximum valve lift: Inlet 11.12 m.m. Exhaust 11.12 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 152° Exhaust 152°
 1/2 Maximum lift: Inlet 96° Exhaust 96°
 Valve springs: Inlet _____ Exhaust _____
 Type Coil _____ Coil _____
 No. per valve 2 _____ 2 _____
 Carburettor: Type Semi-down draught No. fitted 2
 (up or down draft, horizontal)
 Make S.U. Model HS4
 Flange hole diameter 38.1 m.m. Choke diameter 38.1 m.m.
 Main jet identification No. 2.2 mm

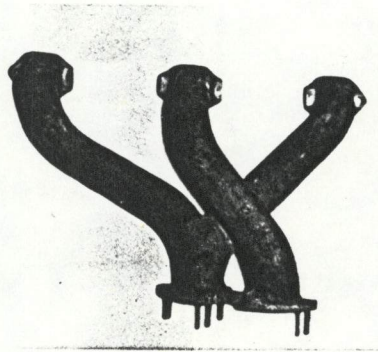
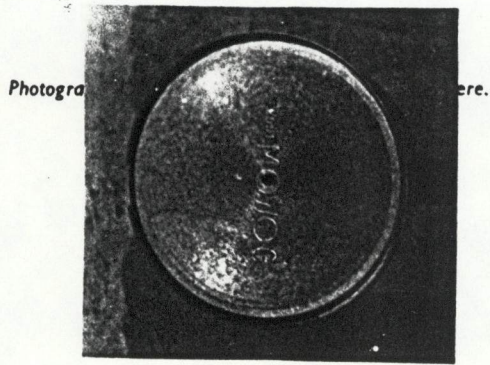
Alternative carburettor equipment - Art 265 Appendix 'J'.
 Make - Weber, Model 45DCOE, No. Fitted 1, Choke Dia. - 45 mm,
 Main jet - 170, Flange dia. - 45 mm, Inlet manifold - Part No. 713/37

Air filter: Type Paper element No. fitted 2

Inlet manifold:
 Diameter of flange hole at carburettor 38.89 - 36.512 cone m.m.
 Diameter of flange hole at port 35.72 - 33.34 cone m.m.



Exhaust manifold:
 Diameter of flange hole at port Ends 30.16x36.513 centre 33.34x36.512 m.m.
 Diameter of flange hole at connection to silencer inlet pipe Twin - 41.275 m.m.



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 25D4
 Method of advance and retard Centrifugal and vacuum
 Make of ignition coil Lucas Model HA12
 No. of ignition coils 1 Voltage 12
 Make of dynamo Lucas Model C40/1
 Voltage of dynamo 12 Maximum output 22 amps.
 Make of starter motor Lucas Model M418G
 Battery: No. fitted 2 or 1 Voltage 6 or 12 Capacity 58@20 hr. amp. hour
 Oil Cooler (if fitted) type ARH181 Capacity 0.75 pints

TRANSMISSION

Make of clutch Borg & Beck Type DSG
 Diameter of clutch plate 203.2 mm No. of plates 1
 Method of operating clutch Hydraulic
 Make of gearbox B.M.G. Type Synchromesh 2nd, 3rd, top
 No. of gearbox ratios 4 forward, 1 reverse
 Method of operating gearshift Manual
 Location of gearshift Central on gearbox tunnel
 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.	3.636:1	$\frac{30}{21} \times \frac{28}{11}$	2.44:1	$\frac{25}{26} \times \frac{11}{28}$				
2.	2.214:1	$\frac{30}{21} \times \frac{31}{20}$	1.618:1	$\frac{25}{26} \times \frac{19}{32}$				
3.	1.373:1	$\frac{30}{21} \times \frac{25}{26}$	1.266:1	$\frac{25}{26} \times \frac{29}{22}$				
4.	1.0:1		1.0:1					
∕ R	4.755:1	$\frac{30}{21} \times \frac{28}{11} \times \frac{17}{13}$	3.199:1					

Type of final drive Hypoid or Limited Slip
 Type of differential Bevel
 Final drive ratio 3.909:1 Alternatives 4.1:1, 4.3:1, 4.55:1, 4.875:1
 No. of teeth 11/43 10/41, 10/43, 9/41, 8/39
 Overdrive ratio, if fitted -

WHEELS

Type Wire spoke or ventilated disc Weight Wire 6.15 Disc 7.26 kg.
 Method of attachment 4 stud or centre lock hub cap
 Rim diameter 355.6 m.m. Rim width 101.6 m.m.
 Tyre size: Front 5.60 x 14 Rear 5.60 x 14

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? No
 Type of servo, if fitted -
 No. of hydraulic master cylinders 1 Bore 19.05 m.m.

	Front		
No. of wheel cylinders	4		2
Bore of wheel cylinders	53.98	m.m.	-
Inside diameter of brake drums	-	m.m.	254
No. of shoes per brake	-		2
Outside diameter of brake discs	273	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	79.0 max	m.m.	240.7	m.m.
Width	49.0 max	m.m.	43.0	m.m.
Total area per brake	6452.0	m.m. ²	21678.7	m.m. ²

SUSPENSION

	Front		Rear	
Type	Independent		Semi elliptic	
Type of spring	Coil		Leaf	
Is stabiliser fitted?	Part No. AHH6542 optional		No	
Type of shock absorber	Lever arm		Lever arm	
No. of shock absorbers	2		2	

STEERING

Type of steering gear	Rack & pinion		
Turning circle of car		9.75	m.m. approx
No. of turns of steering wheel from lock to lock		2.93	

CAPACITIES AND DIMENSIONS

Fuel tank	45.4	litres	Sump	4.77	litres
Radiator	5.4	litres			
Overall length of car	382	cm.	Overall width of car	152.3	cm
Overall height of car, unladen (with hood up, if appropriate)	125.4	cm.			
Distance from floor to top of windscreen:					
Highest point	90.17	cm.	Lowest point	87.63	cm
Width of windscreen:					
Maximum width	121.9	cm.	Minimum width	121.9	cm
*Interior width of car	116.8	cm.			
No. of seats	2				
Track: Front	125.0	cm.	Rear	125.0	cm
Wheelbase	231.1	cm.	Ground clearance	127.0	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 830 kgs.

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:—

Touring equipment - Low compression pistons 12H755 - 12H760

Camshaft 1H729

I.O. 16° BTDC E.O. 51° BEDC

I.C. 56° ABDC E.C. 21° ATDC

Max. valve lift 9.5 mm

Camshaft - AEH.714

I.O. 24° BTDC E.O. 59° BBDC

I.C. 64° ABDC E.C. 29° ATDC

Max valve lift 9.5 mm

5 Gallon auxiliary fuel tank - AHH.7051

10 Gallon auxiliary fuel tank - AHH.7050

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THE CAR COMPANY LTD
ABINGDON WORKS
ABINGDON ON THAMES
PROPRIETORS MORRIS MOTORS LTD

TELEGRAMS
EMGEE
ABINGDON

YOUR REF

OUR REF

M.G.B.

Manufacturers Reference No. GB / 62.....

F.I.A. Recognition No.....72.....

Amendment - Page 5.

Overdrive

An overdrive can be fitted to this model controlled by an electrical manual switch and with a ratio of 0.802:1.

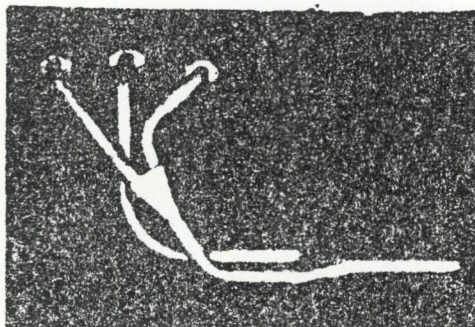
Final Drive Ratio

Alternative - ratio - 3.307:1

No. of teeth - 13/45

Page 8. Optional extra
Exhaust manifold -

by CH... IN...
IN...
09.02.63



TELEPHONE
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Amendment-

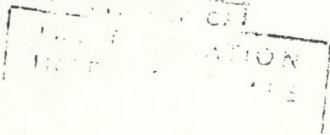
Optional Extra-

Wire Spoke Wheel- 4 $\frac{1}{2}$ J x 13

Rim diameter- 330.2 mm.

Rim width- 114.3 mm.

Agreed by



CSH 9 5 63

Manufacturers Reference No. for Application

GB/62



F.I.A. Recognition No.

72

1B

ROYAL AUTOMOBILE CLUB

PALL MALL, LONDON, S.W.1.

Federation Internationale de l'Automobile.

Amendment to Form of Recognition

Manufacturer MG Car Company Limited

Model MGB

Amendment to Page 5

Optional Extras - Wire spoke wheel - 5½J x 14
Rim diameter - 355.6 mm
Rim width - 139.7 mm

Change in standard specification -

January 1964 - all cars will be fitted with a three blade rubber mounted cooling fan in place of the six blade fan. (Part No. 12H.1058)



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

Date amendment is valid from

Form: R.F.I.B.