

Manufacturers Reference No. for Application

GA1600C/61



F.I.A. Recognition No. 56

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 M.G. Car Co. Ltd.

Model MGA 1600 Coupe Year of Manufacture 1961

Serial No. of Chassis G-HD & G-HDL

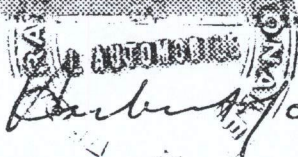
Engine GB16/GA/U

Type of Coachwork 2 Seater Coupe

Recognition is valid from 20.02.62 In category GT



ght.



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

Form: R.F.I.A.

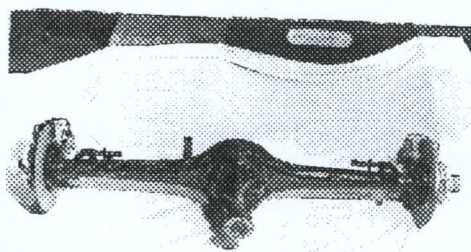
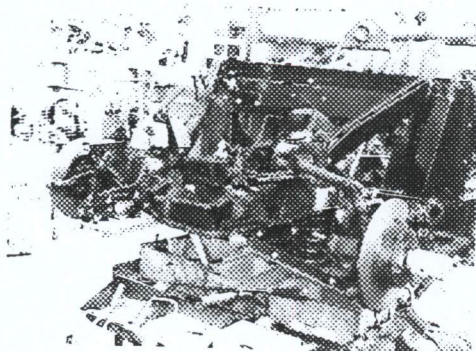
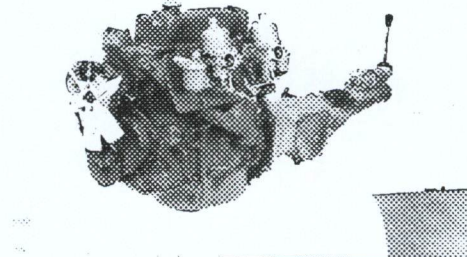
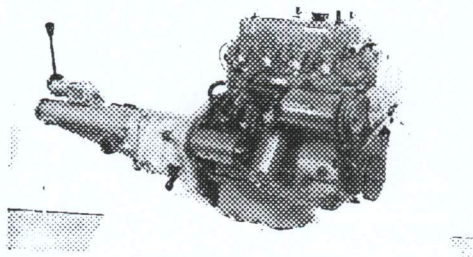
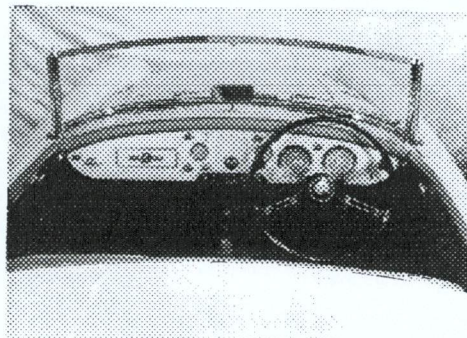
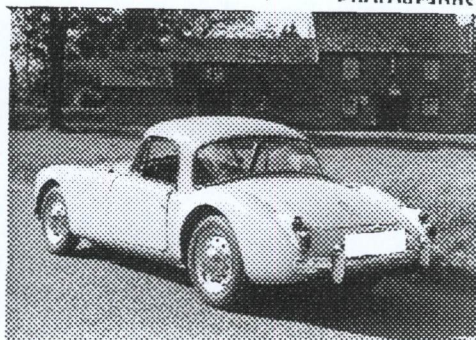
General description of car:

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

2 seater Coupe - steel chassis/body
incorporations aluminium or glassfibre
panels

4 cylinder OHV pushrod engine in unit
with 4 speed synchromesh gearbox, driving
rear wheels through $\frac{5}{4}$ floating hypoid axl
Disc brakes are fitted front and rear.

Photographs to be affixed below.

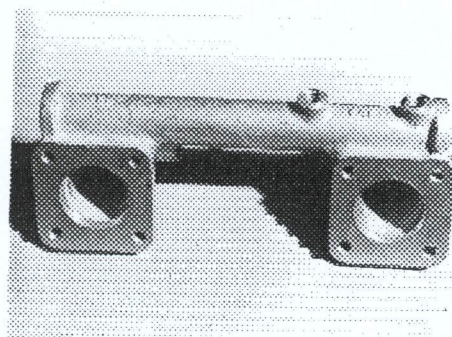
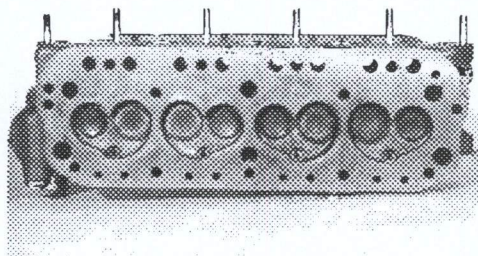


ENGINE

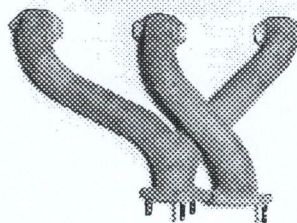
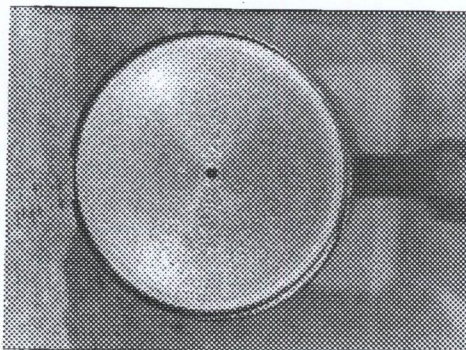
in line Yes
 No. of cylinders 4 in V -
 opposed -
 Cycle 4 stroke Firing order 1,3,4,2
 Capacity 1588 c.c. Bore 75.39 m.m. Stroke 88.9 m.m.
 Maximum rebore 1.016mm Resultant capacity 1630 c.c.
 Material of cylinder block Cast Iron Material of sleeves, if fitted -
 Distance from crankshaft centre line 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 38.9 c.c.
 Compression ratio 8.3:1
 Material of piston Aluminium alloy No. of piston rings 4
 Distance from gudgeon pin centre line to highest point of piston crown 42.06 m.m.
 Bearings { Crankshaft main bearings: Type Shell Dia. 50.819 m.m.
 Connecting rod big end: Type Shell Dia. 51.34 m.m.
 Weights { Flywheel 11.793 kg.
 Crankshaft 13.154 kg.
 Connecting rod .935 kg.
 Piston with rings .337 kg.
 Gudgeon pin .088 kg.
 No. of valves per cylinder Two Method of valve operation Push rod & rockers
 No. of camshafts One Location of camshafts Cylinder block
 Type of camshaft drive Endless roller chain
 Diameter of valves: Inlet 39.8 m.m. Exhaust 33.7 m.m.
 Diameter of port at valve seat: Inlet 33.32 m.m. Exhaust 29.71 m.m.
 Tappet clearance for checking timing: Inlet 0.610 m.m. Exhaust 0.610 m.m.
 Valves open: Inlet 24° BTDC Exhaust 59° BBDC
 Valves close: Inlet 64° ABDC Exhaust 29° ATDC
 Maximum valve lift: Inlet 9.5 m.m. Exhaust 9.5 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet 165° Exhaust 165°
 ¾ Maximum lift: Inlet 107° Exhaust 107°
 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 H6
 Flange hole diameter 44.5 m.m. Choke diameter 41.0 m.m.
 Main jet identification No. 0.100" KW needle

Air filter: Type Pancake dry element No. fitted 2

Inlet manifold:
 Diameter of flange hole at carburettor 44.7 m.m.
 Diameter of flange hole at port 36.0 m.m.



Exhaust manifold:
 Diameter of flange hole at port Ends 30.162 x 36.512 Centre 33.338-36.512 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 41.275 m.m.



ENGINE ACCESSORIES

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

Method of operation Electrical

Type of ignition system Coil coil or magneto

Make of ignition Lucas Model DM2

Method of advance and retard Centrifugal & vacuum

Make of ignition coil Lucas Model HA12

No. of ignition coils 1 Voltage 12

Make of dynamo Lucas Model CL0/1

Voltage of dynamo 12 Maximum output 19 amps.

Make of starter motor Lucas Model M35G/1

Battery: No. fitted 2 Voltage 12 Capacity 51 amp. hour

Oil Cooler (if fitted) type - Capacity - pints

Make GA Model 1600 Coupe F.I.A. Recognition No. GA1600C/61
Manufacturers Reference No. of Application GA1600C/61

TRANSMISSION

Make of clutch Borg & Beck Type BA6G
Diameter of clutch plate 8" No. of plates 1
Method of operating clutch Hydraulic
Make of gearbox B.I.C. Type Synchromesh 2nd, 3rd, Top
No. of gearbox ratios 4 forward, 1 reverse
Method of operating gearshift Manual
Location of gearshift Central on 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.	3.636:1	$\frac{21}{32} \times \frac{11}{26}$	2.44:1	$\frac{25}{26} \times \frac{11}{28}$				
2.	2.214:1	$\frac{21}{32} \times \frac{20}{31}$	1.618:1	$\frac{25}{26} \times \frac{19}{32}$				
3.	1.373:1	$\frac{21}{32} \times \frac{26}{25}$	1.266:1	$\frac{25}{26} \times \frac{29}{22}$				
4.	1.0:1		1.0:1					
5.	4.755:1		3.199:1					

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

WHEELS

Type Centre lock disc Weight 7.718 kg.
Method of attachment Hub cap with 4 peg location
Rim diameter 381.0 m.m. Rim width 101.6 m.m.
Tyre size: Front 5.90 x 15 Rear 5.90 x 15

BRAKES

Method of operation Hydraulic
Is servo assistance fitted? No
Type of servo, if fitted -
No. of hydraulic master cylinders One Bore 22.22 m.m.

	Front		Rear
No. of wheel cylinders	4		4
Bore of wheel cylinders	53.99	m.m.	38.1
Inside diameter of brake drums		m.m.	
No. of shoes per brake			
Outside diameter of brake discs	279.0	m.m.	279.0
No. of pads per brake	2		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	54.0	m.m.	54.0
		m.m.	
Width	47.5	m.m.	47.5
Total area per brake	5130	m.m. ²	5130
			m.m. ²

SUSPENSION

	Front		Rear
Type	Parallel wishbone		Leaf spring
Type of spring	Coil		Leaf
Is stabiliser fitted?	No		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 9.8 m., approx.

No. of turns of steering wheel from lock to lock 23

CAPACITIES AND DIMENSIONS

Fuel tank 45.4 litres Sump 3.976 litres

Radiator 5.68 litres (Full flow system)

Overall length of car 396.24 cm. Overall width of car 147.32 cm.

Overall height of car, unladen (with hood up, if appropriate) 127 cm.

Distance from floor to top of windscreen:

Highest point 96.52 cm. Lowest point 71.12 cm.

Width of windscreen:

Maximum width 111.76 cm. Minimum width 101.6 cm.

*Interior width of car 119.38 cm.

No. of seats Two

Track: Front 120.65 cm. Rear 123.82 cm.

Wheelbase 238.76 cm. Ground clearance 152.4 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 901.5 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 preceeding information:—

15 Gallon fuel tank - AHH.5863
17 Gallon fuel tank - AHH.5990
20 Gallon fuel tank - AHH.5496
Twin fuel pumps
Oil cooler
Anti roll bar AHH.5940

Touring equipment: Exhaust manifold - 48G143
Touring camshaft - 1H729 - I.O. 16° BTDC
Distributor . I.C. 56° ABDC
Inlet manifold AEH.660 E.O. 51° BBDC
H4 1½" carburettors E.C. 21° ATDC
Max. lift - 9.5mm

Lockheed discs front - drum rears
Wire wheels - 4J x 15 - 48 or 60 spoke
Pressed wheels (4 stud fixing) - 4J x 15

The Royal Automobile Club

Pall Mall, London, S.W.1



Please address all Communications to

THE SECRETARY

Quoting the following Reference

C /DHD/SAM/4924

Telegrams: AUTOMOBILE LONDON

Telephone: WHITEHALL 2345 (26 lines)

3rd March, 1962.

Monsieur H. Schroeder,
Secretary,
C.S.I.
8 Place de la Concorde,
Paris, 8.
France.

Dear Monsieur Schroeder,

M.G. A. 1600 Coupe (1588)

I would confirm that over 100 examples of the above named car have been manufactured within the past twelve months, both to the basic specifications as set out on the Form of Recognition and also with the optional extras as listed on page 8 of the Form, which require certification in accordance with Appendix 'J'.

Recognition of a Grand Touring Car is therefore requested.

Yours sincerely,

D. H. DELAMONT
Manager, Competitions Department.

*J'accuse avec cette demande
d'homologation
Lacoste*



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

M.G. - MGA 1600 coupe

3/62

56

MARQUE ET MODELE

VALIDITE HOMOLOGATION

FICHE NR.

GT / 1600

GROUPE / CLASSE

[illegible]

Autres homologations du modèle

vérifiée le 25/10/95 par [Signature] visée ce jour le _____ par _____

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