

Manufacturers Reference No. for Application

MAG4/61



F.I.A. Recognition No.

1125

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..... Magnette Mk. IV..... Year of Manufacture..... 1961.....

Chassis..... G-HS2.....

Serial No. of Engine..... 16 GE/U/H or 16GE/U/L.....

Type of Coachwork..... Saloon - 4 door.....

Recognition is valid from..... 14 AVR 1962..... In category..... Tourisme

liste generale 9
" additionnelle 10



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*

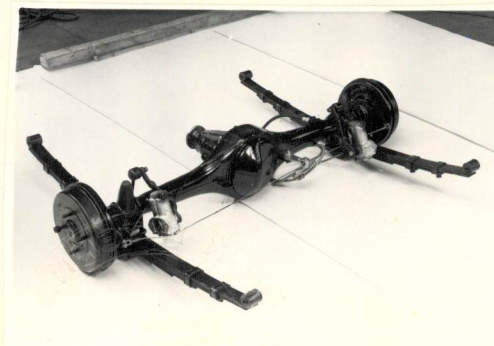
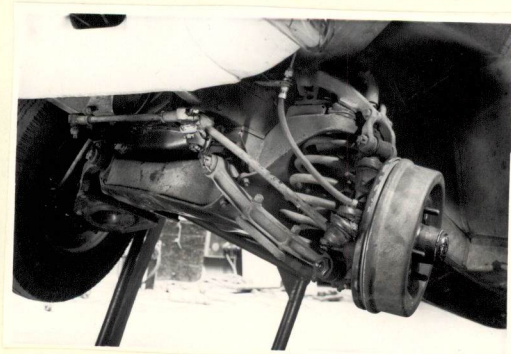
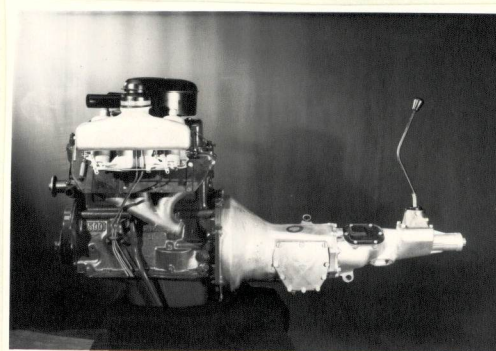
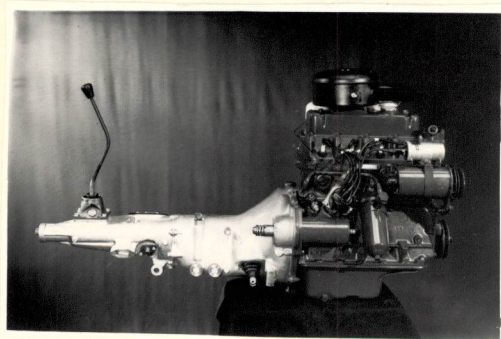
4 door steel saloon of unitary construction
powered by 4 cylinder twin carburettor OHV
engine driving rear wheels through 4 speed
synchromesh or automatic gearbox.
Suspension by wishbone & coil spring at front
and semi elliptic leaf spring at rear.



be affixed



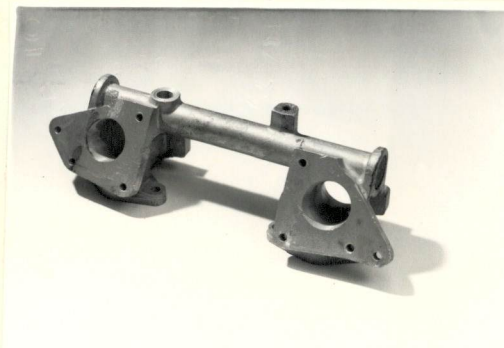
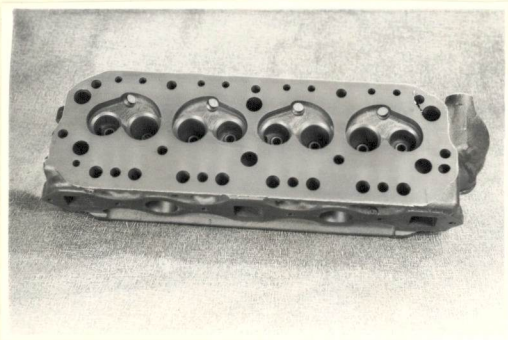
por.



ENGINE

in line Yes
 No. of cylinders..... 4 in V -
 opposed -
 Cycle..... 4 stroke Firing order..... 1,3,4,2.
 Capacity..... 1622 c.c. Bore..... 76.2 m.m. Stroke..... 88.9 m.m.
 Maximum rebore..... 1.016mm Resultant capacity..... 1666 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..... 252.273/252.527 m.m.
 Material of cylinder head..... Cast Iron Volume of one combustion chamber..... 38.7 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..... 42.07 m.m.
 Bearings { Crankshaft main bearings: Type..... Copper lead Dia. 50.82 m.m.
 Connecting rod big end: Type..... Copper lead Dia. 47.66 m.m.
 Weights { Flywheel..... 13.5 kg.
 Crankshaft..... 14.9 kg.
 Connecting rod..... 1.02 kg.
 Piston with rings..... .36 kg.
 Gudgeon pin..... .113 kg.
 No. of valves per cylinder..... 2 Method of valve operation..... Push rod & rockers
 No. of camshafts..... 1 Location of camshafts..... Cylinder block
 Type of camshaft drive..... Chain
 Diameter of valves: Inlet..... 38.1 m.m. Exhaust..... 32.54 m.m.
 Diameter of port at valve seat: Inlet..... 33.34 m.m. Exhaust..... 30.00 m.m.
 Tappet clearance for checking timing: Inlet..... .53 m.m. Exhaust..... .53 m.m.
 Valves open: Inlet..... T.D.C. Exhaust..... 35° B.B.D.C.
 Valves close: Inlet..... 50° A.B.D.C. Exhaust..... 15° A.T.D.C.
 Maximum valve lift: Inlet..... 7.899 m.m. Exhaust..... 7.899 m.m.
 Degrees of crankshaft rotation from zero to—
 Maximum lift: Inlet..... 115° A.T.D.C. Exhaust..... 80° A.B.D.C.
 ¾ Maximum lift: Inlet..... 66° A.T.D.C. Exhaust..... 31° A.B.D.C.
 Valve springs: Inlet Exhaust
 Type..... Single coil Single coil
 No. per valve..... Two Two
 Carburettor: Type..... Semi down draught No. fitted..... Two
 (up or down draft, horizontal)
 Make..... S.U. Model..... HD4
 Flange hole diameter..... 38.1 m.m. Choke diameter..... - m.m.
 Main jet identification No..... Needle HB Spring red

Air filter: Type Oil bath No. fitted One
 Inlet manifold:
 Diameter of flange hole at carburettor 38.1 m.m.
 Diameter of flange hole at port 33.33 m.m.



Exhaust manifold:
 Diameter of flange hole at port Centre 36.51 x 33.33 Ends 36.51 x 30.16 m.m.
 Diameter of flange hole at connection to silencer inlet pipe 34.92 m.m.



ENGINE ACCESSORIES

Make of fuel pump S.U. No. fitted One
 Method of operation Electrical
 Type of ignition system Coil coil or magneto
 Make of ignition Lucas Model 25D4
 Method of advance and retard Vacuum & centrifugal
 Make of ignition coil Lucas Model LA12
 No. of ignition coils One Voltage 12
 Make of dynamo Lucas Model GL0
 Voltage of dynamo 12 Maximum output 22 amps.
 Make of starter motor Lucas Model M35G
 Battery: No. fitted One Voltage 12 Capacity 57 amp. hour
 Oil Cooler (if fitted) type _____ Capacity _____ pints

Make MG Midgette Model MK. IV F.I.A. Recognition No. _____

Manufacturers Reference No. of Application MAG4/61

TRANSMISSION

Make of clutch Borg & Beck Type 8A6G
 Diameter of clutch plate 8" 203mm No. of plates One
 Method of operating clutch Hydraulic
 Make of gearbox British Motor Corporation Type 4 speed synchromesh or automatic.
 No. of gearbox ratios Four forward, one reverse
 Method of operating gearshift Mechanical
 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.	3.6363	$\frac{30}{21} \times \frac{28}{11}$	2.44:1	$\frac{25}{26} \times \frac{11}{28}$				
2.	2.2143	$\frac{30}{21} \times \frac{31}{20}$	1.618:1	$\frac{25}{26} \times \frac{19}{32}$				
3.	1.3736	$\frac{30}{21} \times \frac{25}{26}$	1.266:1	$\frac{25}{26} \times \frac{29}{22}$				
4.	1.0:1	-	1.0:1					
5. R	4.755	$\frac{30 \times 28 \times 17}{21 \times 11 \times 13}$	3.199:1					

Type of final drive Hypoid bevel - Three quarter floating
 Type of differential Bevel
 Final drive ratio 4.3:1 Alternatives 4.55:1, 4.875:1
 No. of teeth 10/43 9/41, 8/39
 Overdrive ratio, if fitted -

WHEELS

Type Disc Weight 6.75 kg.
 Method of attachment Studs in brake drum
 Rim diameter 355.6 m.m. Rim width 101.6 m.m.
 Tyre size: Front 5.90-14 Rear 5.90-14

BRAKES

Method of operation Hydraulic
 Is servo assistance fitted? No
 Type of servo, if fitted -
 No. of hydraulic master cylinders One Bore 17.78 m.m.

	Front		Rear
No. of wheel cylinders	2 per wheel		One per wheel
Bore of wheel cylinders	22.225	m.m.	22.225 m.m.
Inside diameter of brake drums	228.6	m.m.	228.6 m.m.
No. of shoes per brake	Two		Two
Outside diameter of brake discs	-	m.m.	- m.m.
No. of pads per brake	-		-
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	219	m.m.	219 m.m.
	-	m.m.	- m.m.
Width	63.5	m.m.	44.45 m.m.
Total area per brake	27820	m.m. ²	20110 m.m. ²

SUSPENSION

	Front		Rear
Type	Independent		Semi elliptic
Type of spring	Coil		Leaf
Is stabiliser fitted?	Yes		Yes
Type of shock absorber	Hydraulic-lever		Hydraulic - lever
No. of shock absorbers	Two		Two

STEERING

Type of steering gear	Cam & peg	
Turning circle of car	11.43	m., approx.
No. of turns of steering wheel from lock to lock	2 ⁵ / ₈	

CAPACITIES AND DIMENSIONS

Fuel tank	45.4	litres	Sump	4.5	litres
Radiator	6.8	litres			
Overall length of car	448	cm.	Overall width of car	161	cm.
Overall height of car, unladen (with hood up, if appropriate)	149	cm.			
Distance from floor to top of windscreen :					
Highest point	139.7	cm.	Lowest point	103.5	cm.
Width of windscreen :					
Maximum width	127	cm.	Minimum width	111.7	cm.
*Interior width of car	133	cm.			
No. of seats	Four				
Track: Front	128.6	cm.	Rear	131.1	cm.
Wheelbase	254.6	cm.	Ground clearance	149	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 1085 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:—

Star 1000
Twin 1000
Export 1000