

F.I.A. Recognition No. 589  
Group 3 - Grand Touring



## ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1

Form of recognition in accordance with appendix J to the International Sporting Code of the  
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Manufacturer British Motor Corporation Ltd. Cylinder-capacity 2912.0 cm.<sup>3</sup> 177.7 in.<sup>3</sup>  
Model MG MGC  
Serial No. of chassis/body G-CNI & G-CDI Manufacturer MG Car Division  
Serial No. of engine 29G & 29GA Manufacturer MG Car Division  
Recognition is valid from 1st May '68 List 1968/6  
The manufacturing of the model described in this recognition form started on 17th November 19 67  
and the minimum production of 500 identical cars, in accordance with the specifications of  
this form was reached on 7th February 19 68

Photograph A,  $\frac{3}{4}$  view of car from front



F.I.A. Stamp

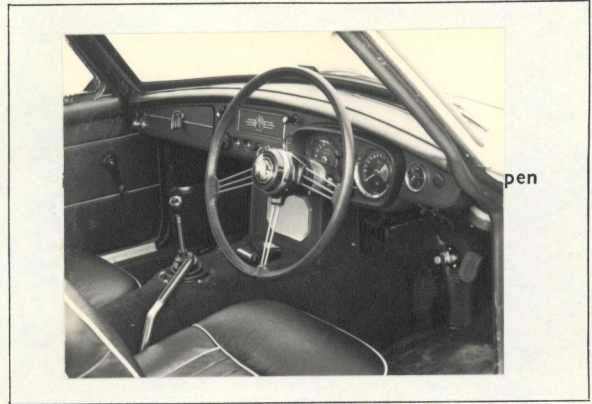
*Hubert Johnson*

R.A.C. Stamp





B



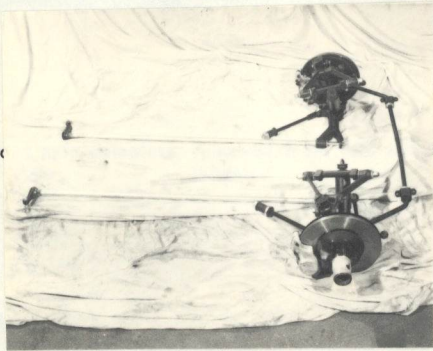
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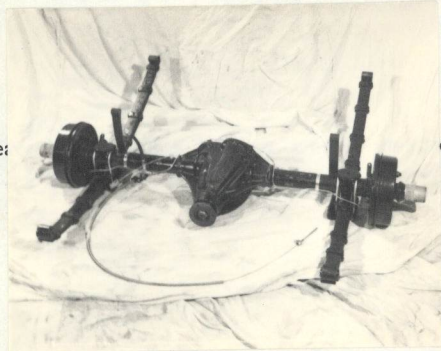
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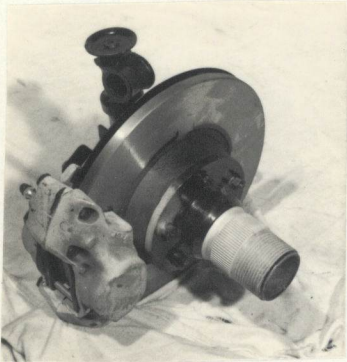
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E



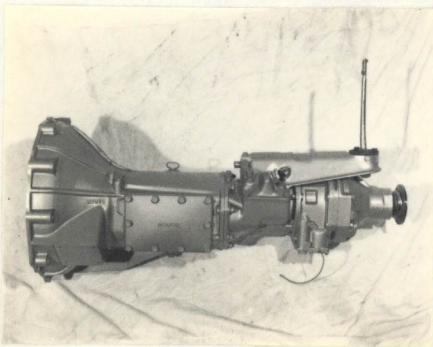
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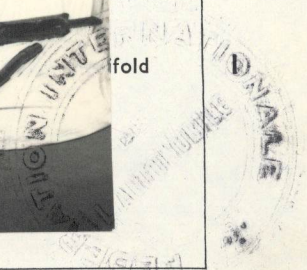
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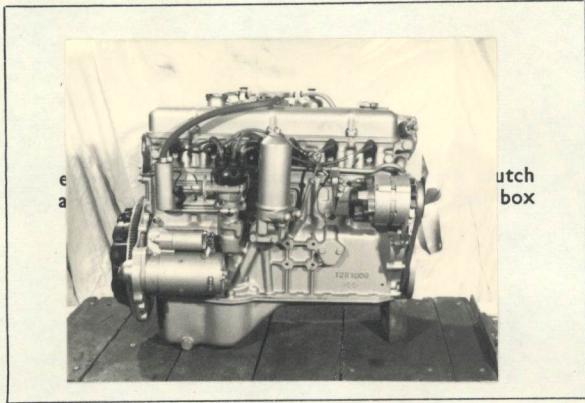
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fold



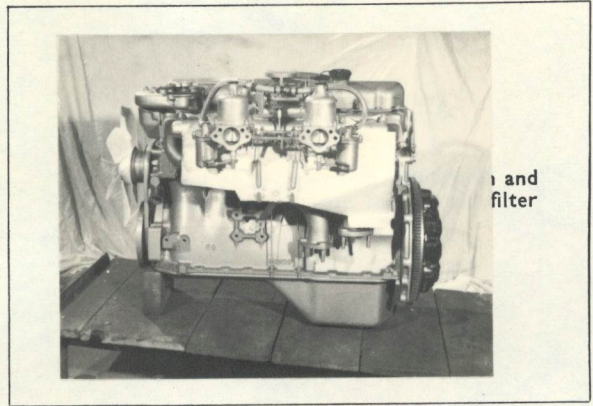




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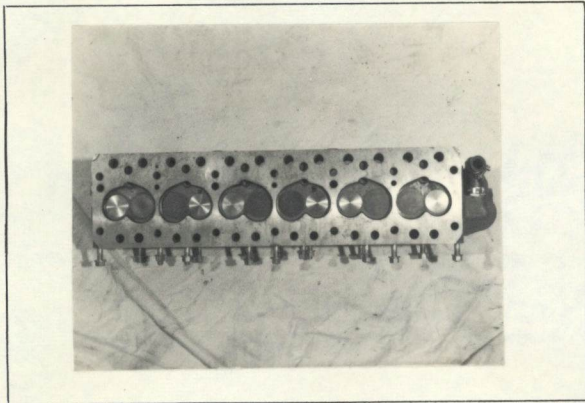
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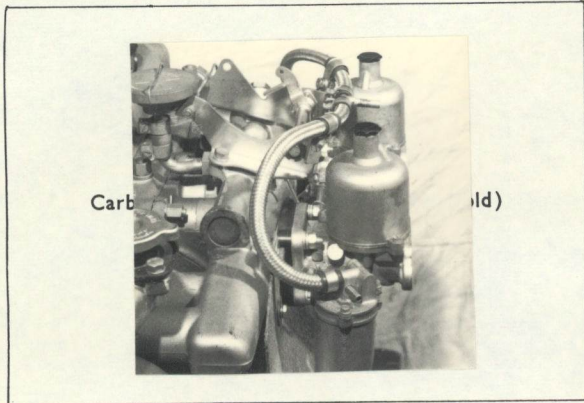
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L



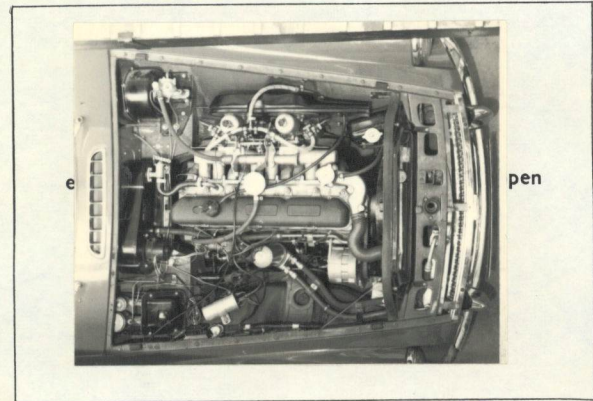
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N

Carb

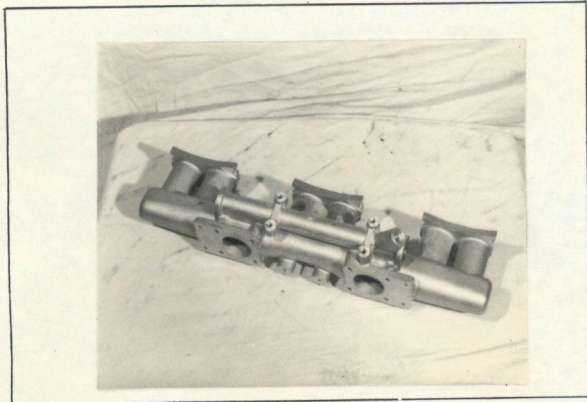
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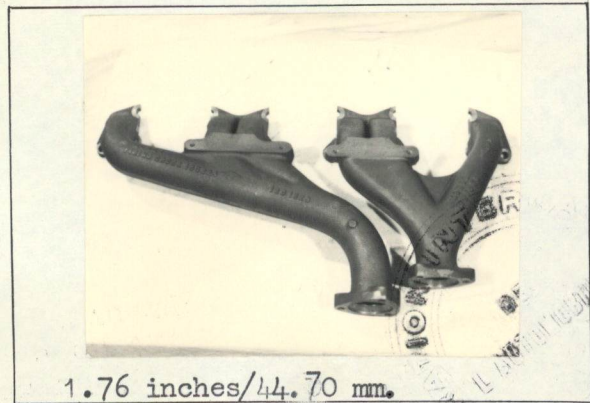
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O

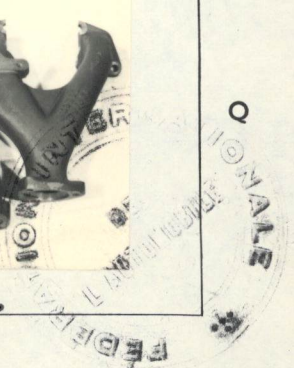


P



1.76 inches/44.70 mm.

Q







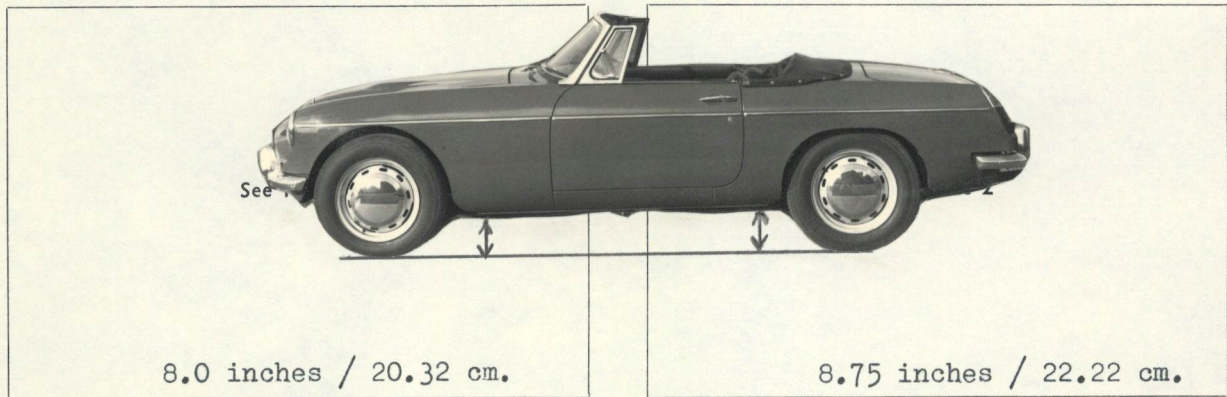


**NOTE 1.**

All dimensions must be given in two measuring systems, see Note 3.

**CAPACITIES AND DIMENSIONS**

1. Wheelbase	2311.4	mm.	91.0	inches
2. Front track	1273.2	mm.	50.125	inches
3. Rear track	1250.9	mm.	49.25	inches



4. Overall length of the car	389.0	cm.	153.2	inches
5. Overall width of the car	152.2	cm.	59.9	inches
6. Overall height of the car	127.6	cm.	50.2	inches
7. Capacity of fuel tank (reserve included)	54.48	ltrs.	gall. U.S.	12.0
				gall. Imp.
8. Seating Capacity.	2			
9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools :				

Tore:-	1101.0	kg.	2426.0	lbs.	cwts.
GT:-	1144.0	kg.	2520.0	lbs.	

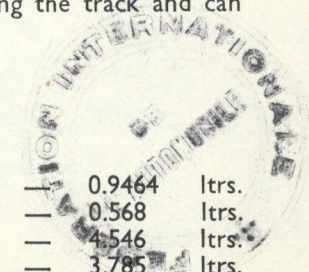
**NOTE 2.**

Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognisable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.

**NOTE 3.**

**CONVERSION TABLE**

1 inch/pouce	—	2.54	cm.	1 quart US	—	0.9464	ltrs.
1 foot/pied	—	30.4794	cm.	1 pint (pt)	—	0.568	ltrs.
1 sq. inch/pouce carre	—	6.452	cm. <sup>2</sup>	1 gallon Imp.	—	4.546	ltrs.
1 cubic inch/pouce cube	—	16.387	cm. <sup>3</sup>	1 gallon US	—	3.785	ltrs.
1 pound/livre (lb)	—	453.593	gr.	1 hundred weight (cwt.)	—	50.802	kg.





Make MG

Model MGC

F.I.A. Rec. No. ....

**CHASSIS AND COACHWORK (Photographs A, B and C)**

- 20. Chassis/body construction: ~~separate~~/unitary construction
- 21. Unitary construction, material(s) Steel
- 22. Separate construction, Material(s) of chassis
- 23. Material(s) of coachwork Steel
- 24. Number of doors 2 Material(s) Steel
- 25. Material(s) of bonnet Aluminium
- 26. Material(s) of boot lid Steel
- 27. Material(s) of rear-window Safety glass
- 28. Material(s) of windscreen Laminated glass
- 29. Material(s) of front-door windows Safety glass
- 30. Material(s) of rear-door windows Safety glass (GT only)
- 31. Sliding system of door windows Vertical winding
- 32. Material(s) of rear-quarter light Safety glass (GT only)

**ACCESSORIES AND UPHOLSTERY**

- 38. Interior heating : yes — ~~no~~
- 39. Air conditioning : ~~yes~~ — no
- 40. Ventilation : yes — ~~no~~
- 41. Front seats, type of seat and upholstery Bucket leather
- 42. Weight of front seat(s), complete with supports and rails, out of the car :
 

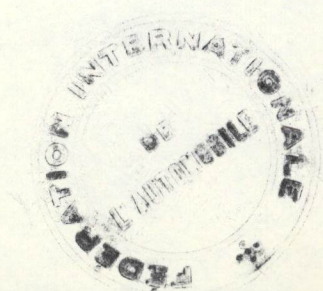
7.71	kg.	17.0	lbs.
------	-----	------	------
- 43. Rear seats, type of seat and upholstery
- 44. Front bumper, material(s) Steel Weight 5.9 kg. 13.0 lbs.
- 45. Rear bumper, material(s) Steel Weight 5.0 kg. 11.0 lbs.

**WHEELS**

- 50. Type Ventilated disc or wire spoke
- 51. Weight (per wheel, without tyre) 8.63 kg. 19.0 lbs. wire disc  
9.08 kg.
- 52. Method of attachment 5 nuts or centre lock cap
- 53. Rim diameter 381.0 mm. 15.0 ins. 54. Rim width 127.0 mm. 5.0 ins.

**STEERING**

- 60. Type Rack & Pinion
- 61. Servo-assistance : ~~yes~~ — no
- 62. Number of turns of steering wheel from lock to lock 3.66
- 63. In case of servo-assistance





**SUSPENSION**

- 70. Front suspension (photograph D), type **Independent**
- 71. Type of spring **Torsion bar**
- 72. Stabiliser (if fitted) **Anti roll bar**
- 73. Number of shock absorbers **2**                      74. Type **Telescopic hydraulic**
- 78. Rear suspension (photograph E), type **Rigid axle**
- 79. Type of spring **Semi elliptic leaf**
- 80. Stabiliser (if fitted) **-**
- 81. Number of shock absorbers **2**                      82. Type **Lever hydraulic**

**BRAKES** (photographs F and G)

- 90. Method of operation **Hydraulic**
- 91. Servo-assistance (if fitted), type **Vacuum**
- 92. Number of hydraulic master cylinders **Single or tandem**

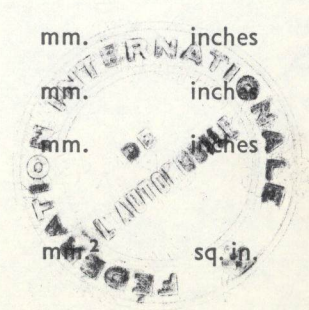
93. Number of cylinders per wheel	<b>2 FRONT</b>		<b>1 REAR</b>	
94. Bore of wheel cylinder(s)	<b>53.57</b>	mm. <b>2.125</b> inches	<b>19.05</b>	mm. <b>0.75</b> inches

**Drum Brakes**

95. Inside diameter	mm.	inches	<b>228.6</b>	mm.	<b>9.0</b> inches
96. Length of brake linings	mm.	inches	<b>180.6</b>	mm.	<b>7.12</b> inches
97. Width of brake linings	mm.	inches	<b>57.15</b>	mm.	<b>2.25</b> inches
98. Number of shoes per brake	<b>2</b>				
99. Total area per brake	mm. <sup>2</sup>	sq. in.		mm. <sup>2</sup>	sq. in.

**Disc Brakes**

100. Outside diameter	<b>279.4</b>	mm.	<b>11.0</b>	inches	mm.	inches
101. Thickness of disc	<b>12.7</b>	mm.	<b>0.5</b>	inches	mm.	inches
102. Length of brake linings	<b>approx 66.4</b>	mm.	<b>2.6</b>	inches	mm.	inches
103. Width of brake linings	<b>50.8</b>	mm.	<b>2.0</b>	inches	mm.	inches
104. Number of pads per brake	<b>2</b>					
105. Total area per brake	<b>6710.0</b>	mm. <sup>2</sup>	<b>10.4</b>	sq. in.	mm. <sup>2</sup>	sq. in.





Make MG Model MGC F.I.A. Rec. No. ....

**ENGINE** (photographs J and K)

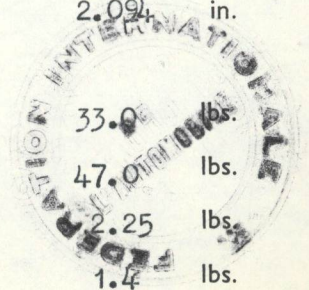
- |   |                      |   |  |
|---|----------------------|---|--|
| 130. Cycle  | 4 stroke             | 131. Number of cylinders                | 6  |
| 132. Cylinder Arrangement   | Inline               |   |  |
| 133. Bore   | 83.36 mm. 3.28 in.   | 134. Stroke                             | 88.9 mm. 3.5 in.                             |
| 135. Capacity per cylinder  |                      |   | 485.3 cm. <sup>3</sup> 29.6 cu. in.          |
| 136. Total cylinder capacity  |                      |   | 2912.0 cm. <sup>3</sup> 177.7 cu. in.        |
| 137. Material(s) of cylinder block  | Cast iron            | 138. Material(s) of sleeves (if fitted) | -  |
| 139. Cylinder head, material(s)   | Cast iron            | Number fitted                           | 1  |
| 140. Number of inlet ports  | 6                    | 141. Number of exhaust ports            | 6  |
| 142. Compression ratio  | 9.0:1                |   |  |
| 143. Volume of one combustion chamber                                       |                      |   | 51.0/52.0 cm. <sup>3</sup> 3.11/3.17 cu. in. |
| 144. Piston, material   | Aluminium            | 145. Number of rings                    | 4  |
| 146. Distance from gudgeon pin centre line to highest point of piston crown |                      |   | 47.65 mm. 1.875 in.                          |
| 147. Crankshaft: <del>rounded</del> /stamped                                |                      | 148. Type of crankshaft: integral/..... | Yes  |
| 149. Number of crankshaft main bearings                                     | 7                    |   |  |
| 150. Material of bearing cap  | Steel                |   |  |
| 151. System of lubrication: <del>dry sump</del> /oil in sump                |                      |   |  |
| 152. Capacity, lubricant  | 7.38 ltrs. 13.0 pts. |   | quarts U.S.                                  |
| 153. Oil cooler: yes/ <del>no</del>   |                      | 154. Method of engine cooling           | Pressurised water-sealed system              |
| 155. Capacity of cooling system   | 10.5 ltrs. 18.5 pts. |   | quarts U.S.                                  |
| 156. Cooling fan (if fitted) dia.   |                      |   | 33.15 cm. 13.05 in.                          |
| 157. Number of blades of cooling fan  | 6                    |   |  |

**Bearings**

- |                                   |            |      |            |           |
|-----------------------------------|------------|------|------------|-----------|
| 158. Crankshaft main, type        | Leadindium | dia. | 64.06 m.m. | 2.498 in. |
| 159. Connecting rod big end, type | Leadindium | dia. | 53.69 m.m. | 2.094 in. |

**Weights**

- |   |                     |                     |           |           |
|---|---------------------|---------------------|-----------|-----------|
| 160. Flywheel (clean)                         |                     |                     | 14.98 kg. | 33.0 lbs. |
| 161. Flywheel with clutch (all turning parts) |                     |                     | 21.34 kg. | 47.0 lbs. |
| 162. Crankshaft                               | 24.52 kg. 54.0 lbs. | 163. Connecting rod | 1.02 kg.  | 2.25 lbs. |
| 164. Piston with rings and pin                |                     |                     | 0.64 kg.  | 1.4 lbs.  |





**FOUR STROKE ENGINES**

170. Number of camshafts 1  
 171. Location Cylinder block  
 172. Type of camshaft drive Roller chain  
 173. Type of valve operation O.H.V. pushrod

**INLET** (see page 4)\*

180. Material(s) of inlet manifold Aluminium  
 181. Diameter of valves 44.45 mm. 1.75 ins.  
 182. Max. valve lift 9.27 mm. 0.365 in. 183. Number of valve springs 2  
 184. Type of spring Coil 185. Number of valves per cylinder 1  
 186. Tappet clearance for checking timing (cold) 0.391 mm. 0.015 ins.  
 187. Valves open at (with tolerance for tappet clearance indicated) 16° BTDC  
 188. Valves close at (with tolerance for tappet clearance indicated) 56° ABDC  
 189. Air filter, type Paper element

**EXHAUST** (see page 4)\*

195. Material(s) of exhaust manifold Cast iron  
 196. Diameter of valves 39.64 mm. 1.56 ins.  
 197. Max. valve lift 9.27 mm. 0.365 in. 198. Number of valve springs 2  
 199. Type of spring Coil 200. Number of valves per cylinder 1  
 201. Tappet clearance for checking timing (cold) 0.391 mm. 0.015 ins.  
 202. Valves open at (with tolerance for tappet clearance indicated) 51° BBDC  
 203. Valves close at (with tolerance for tappet clearance indicated) 21° ATDC

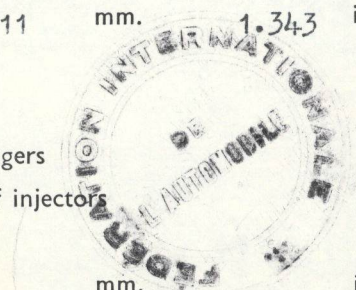
**CARBURETION** (photograph N)

210. Number of carburettors fitted 2 211. Type Horizontal  
 212. Make S.U. 213. Model HS6  
 214. Number of mixture passages per carburettor 1  
 215. Flange hole diameter of exit port(s) of carburettor 44.45 mm. 1.75 ins.  
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU) 34.11 mm. 1.343 ins.

**INJECTION** (if fitted)

220. Make of pump 221. Number of plungers  
 222. Model or type of pump 223. Total number of injectors  
 224. Location of injectors  
 225. Minimum diameter of inlet pipe mm. ins.

\* For additional information concerning two-stroke engines and super-charged engines, see page 13.





Make MG

Model MGC

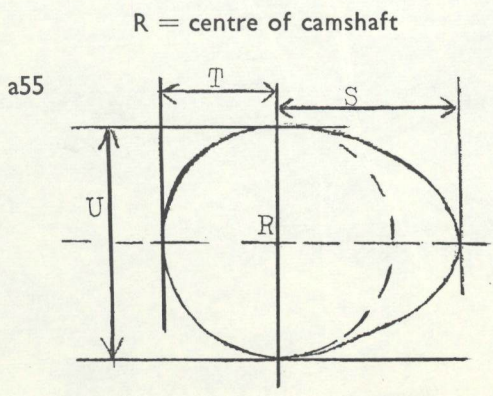
F.I.A. Rec. No. ....

**ENGINE ACCESSORIES**

- 230. Fuel pump : ~~mechanical and/or~~ electrical
- 231. No. fitted 1
- 232. Type of ignition system H.T. Coil
- 233. No. of distributors 1
- 234. No. of ignition coils 1
- 235. No. of spark plugs per cylinder 1
- 236. Generator, type : ~~dynamo~~/alternator—number fitted 1
- 237. Method of drive Wedge belt
- 238. Voltage of generator 12 volts
- 239. Battery, number 2
- 240. Location Behind seats
- 241. Voltage of battery 6 volts

**ENGINE AND CAR PERFORMANCES** (as declared by manufacturer in catalogue)

- 250. Max. engine output 150 (type of horsepower: BHP) at 5250 r.p.m.
- 251. Max. r.p.m. output at that figure
- 252. Max. torque 174 lbs ft. at 3500 r.p.m.
- 253. Max. speed of the car 194.0 km./hour 120.0 miles/hour

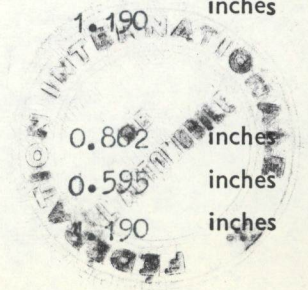


**Inlet cam**

S =	21.89	mm.	0.862	inches
T =	15.11	mm.	0.595	inches
U =	30.23	mm.	1.190	inches

**Exhaust cam**

S =	21.89	mm.	0.862	inches
T =	15.11	mm.	0.595	inches
U =	30.23	mm.	1.190	inches





**DRIVE TRAIN**

**CLUTCH**

260. Type of clutch Diaphragm spring 261. No. of plates 1
262. Dia. of clutch plates 22.86 cm. 9.0 ins.
263. Dia. of linings, inside 15.52 cm. 6.12 ins.
- outside 23.13 cm. 9.16 ins.
264. Method of operating clutch Hydraulic

**GEAR BOX** (photograph H)

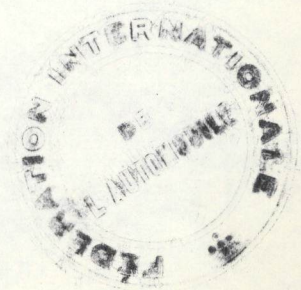
270. Manual type, make EMC Method of operation Remote control lever
271. No. of gear-box ratios forward 4 272. Synchronized forward ratios 4
273. Location of gear-shift Between front seats
274. Automatic, make Borg Warner type 35
275. No. of forward ratios 3 276. Location of gear shift Between front seats

277.	Manual		Automatic		Alternative manual/ <del>automatic</del>			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.44:1	$\frac{26}{18} \times \frac{31}{13}$	2.39:1	-	2.98:1	$\frac{25}{20} \times \frac{31}{13}$	2.45:1	$\frac{24}{21} \times \frac{30}{14}$
2	2.167:1	$\frac{26}{18} \times \frac{27}{18}$	1.45:1	-	2.058:1	$\frac{25}{20} \times \frac{28}{17}$	1.815:1	$\frac{24}{21} \times \frac{27}{17}$
3	1.382:1	$\frac{26}{18} \times \frac{22}{23}$	1.00:1	-	1.307:1	$\frac{25}{20} \times \frac{23}{22}$	1.306:1	$\frac{24}{21} \times \frac{24}{21}$
4	1.00:1	-			1.00:1		1.00:1	
5								
6								
reverse	3.095:1	$\frac{26}{18} \times \frac{30}{14} \times \frac{13}{13}$	2.09:1	-	2.679:1	$\frac{25}{20} \times \frac{30}{14}$	2.46:1	$\frac{24}{21} \times \frac{30}{14}$

278. Overdrive, type Laycock
279. Forward gears on which overdrive can be selected 3rd & Top
280. Overdrive ratio 0.82:1

**FINAL DRIVE**

290. Type of final drive Hypoid 291. Type of differential Bevel
292. Type of limited slip differential (if fitted) -
293. Final drive ratio 3.07:1 Number of teeth 14/43
- with overdrive 3.307:1 11 13/43
- & automatic gb.





**IMPORTANT**—The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 163, 164, 182, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216 222, 225, 230, 250, 251, 252, 253, 255 photographs I, M and N and page 4.

During the scrutineering of cars entered in group 4 (Sportscars) only the following items of the present recognition form are to be taken into consideration : 1, 2, 3, 9, 20, 21, 22, 23, 24, 25, 26, 70, 71, 78, 79, 90, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 147, 148, 149, 150, 158, 159, 170, 171, 172, 173, 185, 200, 270, 271, 274, 275, 290, 291, 292 and photographs A, B, D, E, F, G, H, J, K and O.

The vehicle described in this form has been subject to the following amendments :

on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....
on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....
on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....
on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....
on.....	19.....	rec. no.....	List.....	on.....	19.....	rec. no.....	List.....

Optional equipment affecting preceding information. This to be stated together with reference number.

7. Fuel tank - capacity 24 gallons / 109.1 litres.

~~292. BMC Limited Slip Differential Part No. C BTB 776 777  
Type Mechanical Locking~~

293. Final drive ratios:- 3.909, 4.22, 4.55, 3.58, 3.7, 4.875  
No. of teeth :- 11/43 9/38 9/41 12/43 10/37 8/39

Alternative wheels:-

- 50. Type:- Magnesium Electron C Part No. AHT158
- 51. Weight:- 18.25 lbs. / 8.28 kg.
- 52. Method of attachment: Centre lock cap
- 53. Rim diameter: 381.0mm / 15.0 inches
- 54. Rim width: 139.7mm / 5.5 inches
- 2. Front track - 50.75 inches / 1289.0 mm
- 3. Rear track - 49.87 inches / 1267.0 mm







MOTOR SPORT DIVISION  
The Royal Automobile Club,  
31 Belgrave Square, London, S.W.1

British Motor  
Manufacturer Corporation  
Model MGC  
F.I.A. Recognition No. 589  
Amendment No. 1/1V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No.

Alternative Coachwork

9. Weight: 1144.0kg./2520lbs.

A.



B.



Date amendment is valid from

1st May 1968  
List 1968/6

FEDERATION INTERNATIONALE DE L'AUTOMOBILE  
*Hubert [Signature]*  
Stamp of F.I.A./R.A.C.