

GB/66  
FIA Rec. No 508  
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

Cylinder-capacity..1798....cm<sup>3</sup>.109.8.....in<sup>3</sup>

Manufacturer..MG CAR COMPANY LIMITED

Model...MGB

Serial No. of chassis..GHN3 or GHN3L

Manufacturer..BRITISH MOTOR CORPORATION

engine...18 GB

Manufacturer..BRITISH MOTOR CORPORATION

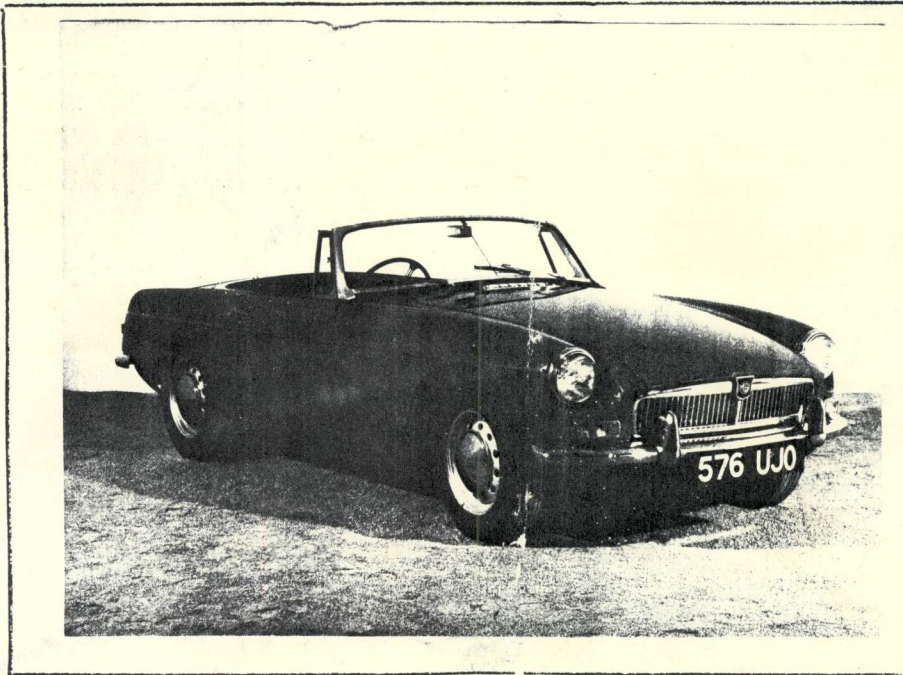
Recognition is valid from.....

List...14

*1st Jan 1966*

The manufacturing of the model described in this recognition form was started on  
...14.10.....1964 and the minimum production of...500.....identical cars,  
in accordance with the specifications of this form was reached on...1.3.....1965

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



F.I.A. Stamp



R.A.C. Stamp



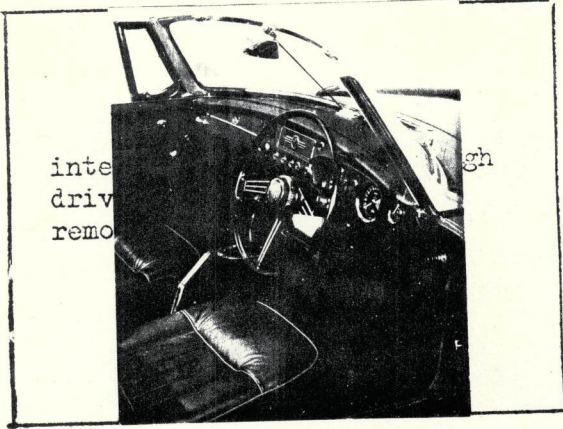
B



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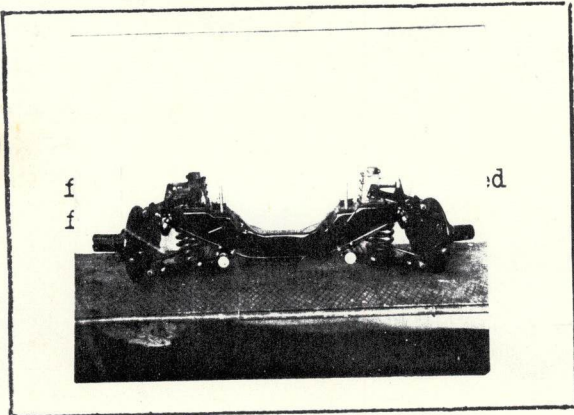
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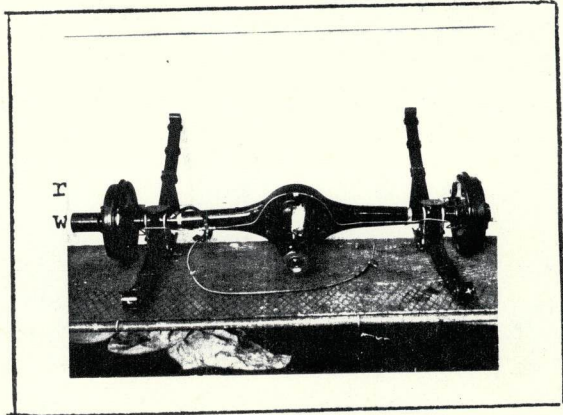
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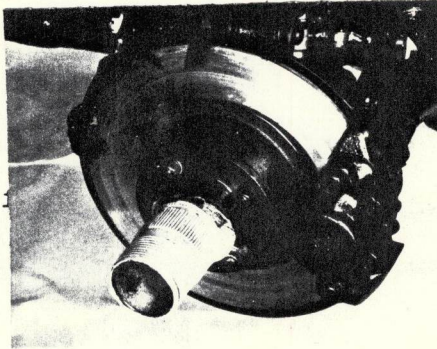


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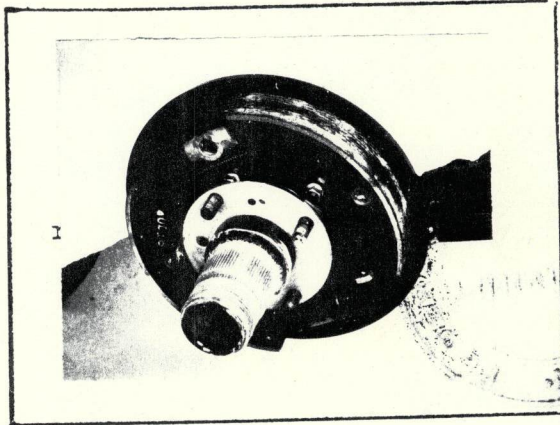
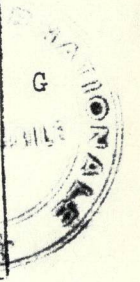
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F

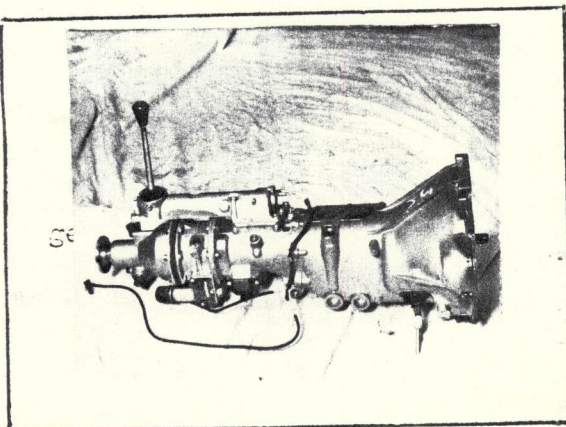


i

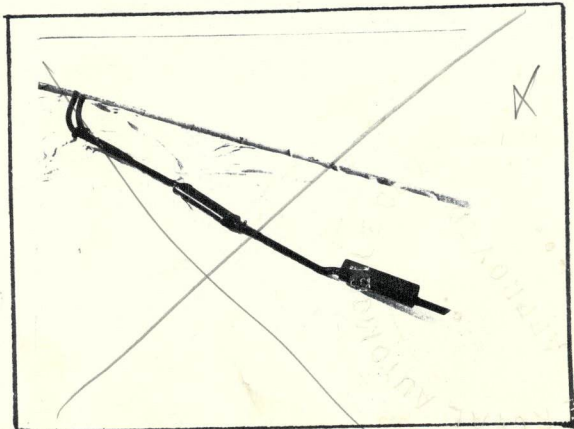


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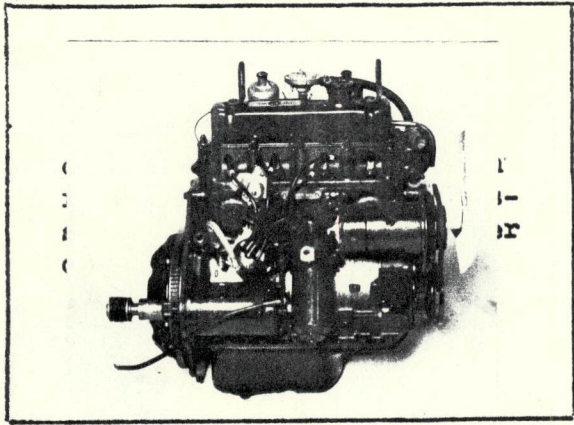
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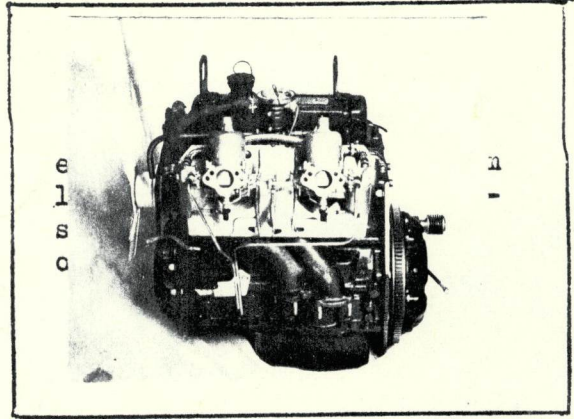


J



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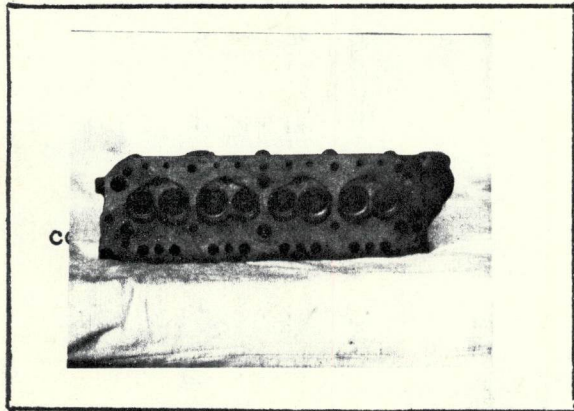
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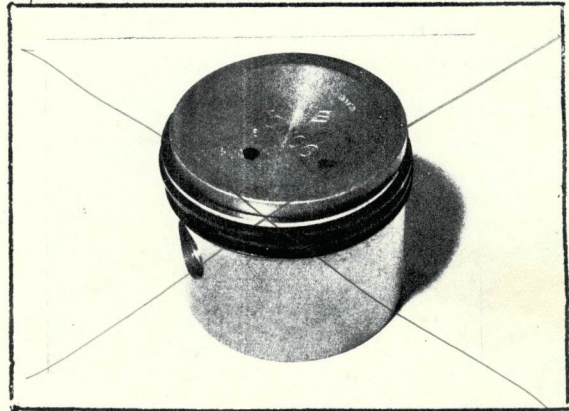
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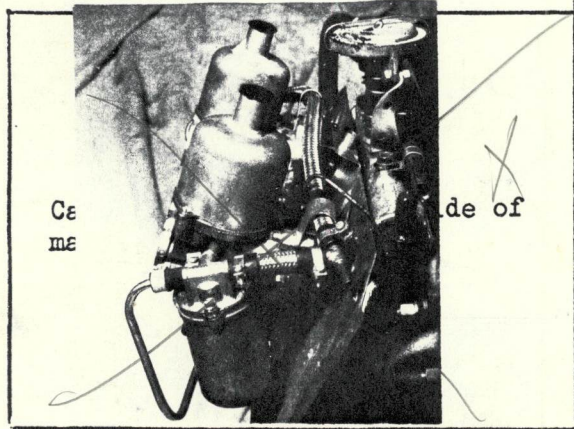


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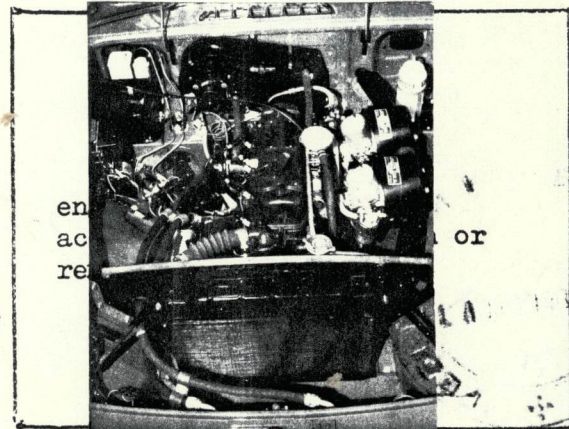


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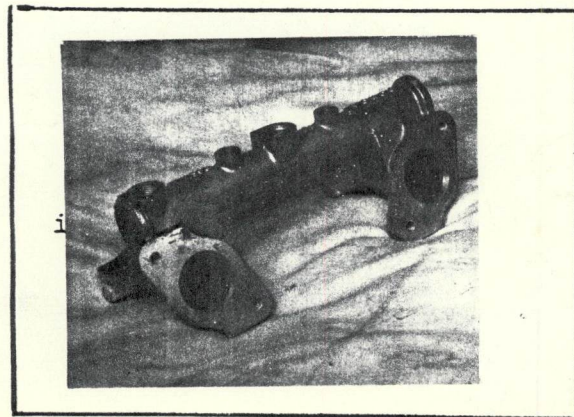
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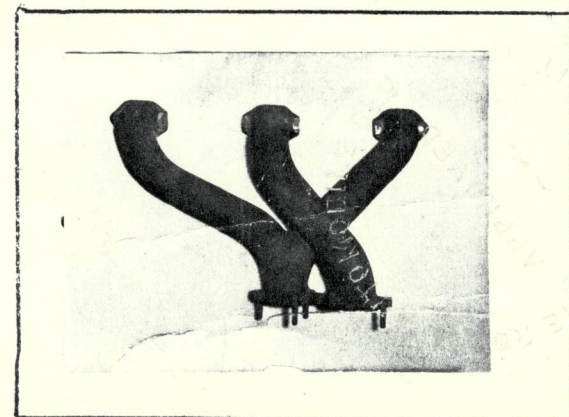
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P

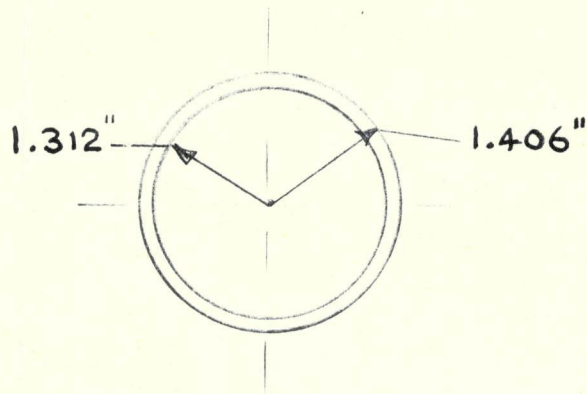


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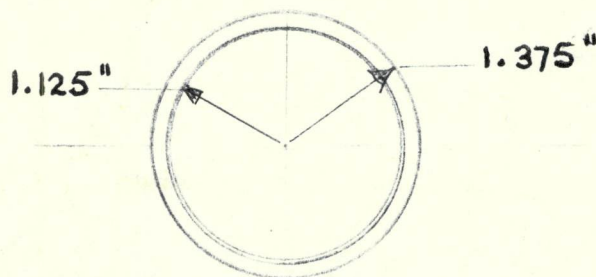


Q

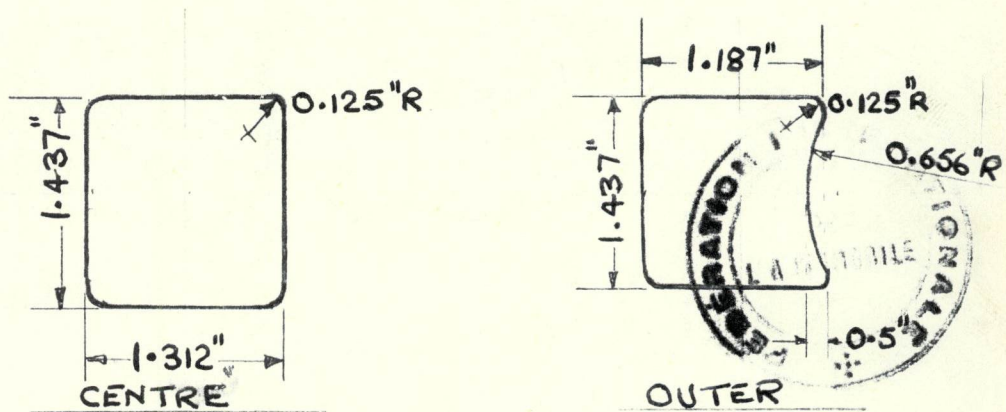
Drawing inlet manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



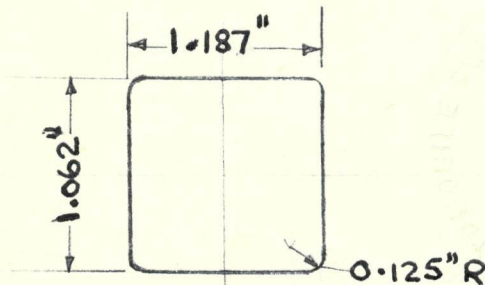
Drawing of entrance to inlet port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



Drawing of exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



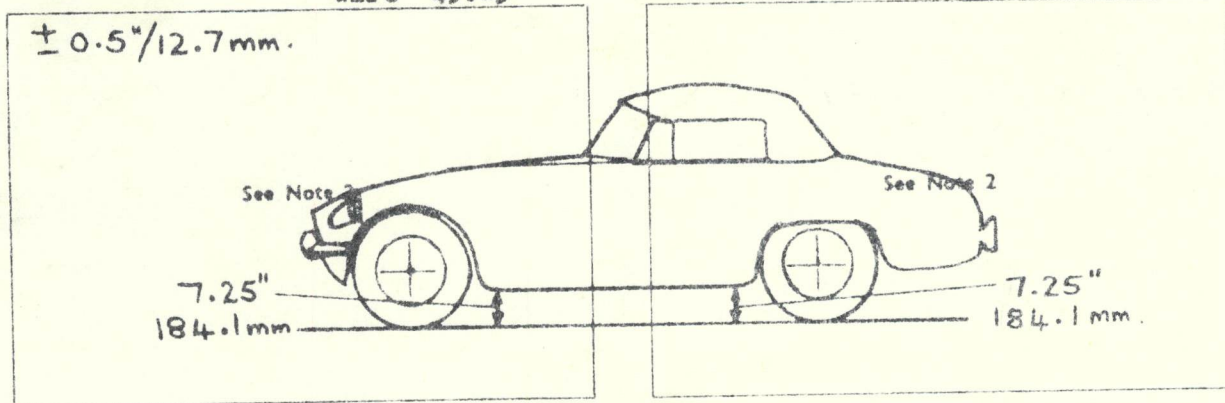
ALL DIMENSIONS ± 0.010"

**NOTE 1.**

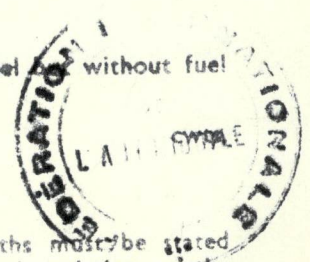
All dimensions must be given in two measuring systems, see Note 3.

**CAPACITIES AND DIMENSIONS**

- |                |       |      |       |        |
|----------------|-------|------|-------|--------|
| 1. Wheelbase   | 2340. | mm.  | 91    | inches |
| 2. Front track |       |      |       |        |
|                | 1245. | mm.  |       |        |
|                |       | Disc | 49.0  | inches |
|                |       | Wire | 49.25 |        |
| 3. Rear track  |       |      |       |        |
|                |       | mm.  | Disc  | 49.25  |
|                |       |      | Wire  | 49.25  |



- |  |        |       |            |            |
|--|--------|-------|------------|------------|
| 4. Overall length of the car   | 3820.0 | cm.   | 153.19     | inches     |
| 5. Overall width of the car  | 152.3  | cm.   | 59.94      | inches     |
| 6. Overall height of the car   | 125.4  | cm.   | 49.375     | inches     |
| 7. Capacity of fuel tank (reserve included)  |        |       |            |            |
|  | 54.48  | ltrs. | gall. U.S. | 12         |
|  |        |       |            | gall. Imp. |
| 8. Seating Capacity.   | 2      |       |            |            |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel or repair tools: |        |       |            |            |
|  | 908    | kg.   | 2030       | 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 weights (cwt.)	— 50.802	kg.

Make **MG**

Model **MGB**

F.I.A. Rec.no. 508

*\* item not required to conform to group 3.*

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction : ~~separate~~ / unitary construction
- 21. Unitary construction, material(s) **All steel**

SEPARATE CONSTRUCTION - MATERIALS

- 22. Chassis
- 23. Coachwork
- 24. Number of doors **2** Material(s)
- 25. Bonnet **Aluminium**
- 26. Boot Lid **Steel**
- 27. Rear Window **Vybak**
- 28. Windscreen Laminated **safety glass**
- 29. Front door windows **Safety glass**
- 30. Rear door windows
- 31. Sliding system of door windows **Vertical, full winding**
- 32. Material(s) of rear-quarter light **Vybak, in hood**

ACCESSORIES AND UPHOLSTERY

- 38. Interior heating : **yes - no**
- 39. Air conditioning : **yes - no**

- 40. Ventillation : **yes - no**

- 41. ~~Front seats, type of upholstery **Leather covered**~~ ✓

- 42. Weight of front seat(s), complete with supports and rails, out of the car:

7.9	kg.	17.5	lbs.	each
-----	-----	------	------	------

- 43. Rear seats, type of 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 **Wire spoke or ventilated disc**

- 51. Weight (per wheel, without tyre) Wire 7.15 Disc 7.27 kg. Wire 5.75 lbs.

- 52. Method of attachment **4 stud or centre lock cap**

- 53. Rim diameter 355.6 mm. 14.0 ins.

- 54. Rim width Disc 101.6 mm. Disc 4.0 ins.

STEERING

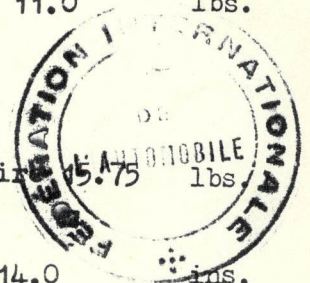
Wire	114.3	Wire	4.5
------	-------	------	-----

- 60. Type **Rack and Pinion**

- 61. Servo-assistance : **yes - no**

- 62. Number of turns of steering wheel from lock to lock **2.93**

- 63. In case of servo-assistance.



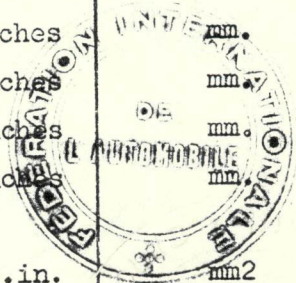
SUSPENSION

- 70. Front suspension (photograph D), type Independent
- 71. Type of spring Coil
- ~~72. Stabiliser (if fitted)~~ ✓
- 73. Number of shock absorbers 2
- 74. Type Hydraulic lever arm
- 78. Rear suspension (photograph E), type Semi elliptic springs
- 79. Type of spring Leaf
- ~~80. Stabiliser (if fitted)~~ ✓
- 81. Number of shock absorbers 2
- 82. Type Hydraulic lever arm

BRAKES (photographs F and G)

- 90. Method of operation Hydraulic
- ~~91. Servo-assistance (if fitted), type~~ ✓
- 92. Number of hydraulic master cylinders 1

		FRONT		REAR	
93. Number of cylinders per wheel		2		1	
94. Bore of wheel cylinder(s)	53.98	mm.2.08	inches	20.36	mm.0.8 inches
Drum Brakes					
95. Inside diameter		mm.	inches	254.0	mm.10.0 inches
96. Length of brake linings		mm.	inches	240.7	mm. 9.48 inches
97. Width of brake linings		mm.	inches	43.0	mm. 1.72 inches
98. Number of shoes per brake		mm.	inches	2	mm. inches
99. Total area per brake		mm2	sq.in.	21678	mm2 33.6 sq.in.
Disc Brakes					
100. Outside diameter	273.0	mm.10.75	inches		mm. inches
101 Thickness of disc	8.76	mm. 0.345	inches		mm. inches
102 Length of brake linings	approx 79.0	mm. 3.1	inches		mm. inches
103 Width of brake linings	approx 49.0	mm. 1.5	inches		mm. inches
104 Number of pads per brake	2				
105 Total area per brake	6452	mm2 10.	sq.in.		mm2 sq.in.



ENGINE (photographs J and K)

- |   |                                   |                               |  |
|---|-----------------------------------|-------------------------------|--|
| 130. Cycle  | <b>4 stroke</b>                   | 131. Number of cylinders      | <b>4</b>                                 |
| 132. Cylinder Arrangement   | <b>In line</b>                    |                               |  |
| 133. Bore   | <b>80.26 mm. 3.16 in.</b>         | 134. Stroke                   | <b>88.9 mm. 3.5 in.</b>                  |
| 135. Capacity per cylinder  |                                   |                               | <b>449.5 cm<sup>3</sup> 27.45 cu.in.</b> |
| 136. Total cylinder capacity  |                                   |                               | <b>1798 cm<sup>3</sup> 109.8 cu.in.</b>  |
| 137. Material(s) of cylinder block  | <b>Cast iron</b>                  |                               |  |
| 138. Material(s) of sleeves (if fitted)                                     |                                   |                               |  |
| 139. Cylinder head, material(s)   | <b>Cast iron</b>                  | Number fitted                 | <b>1</b>                                 |
| 140. Number of inlet ports  | <b>2</b>                          | 141. Number of exhaust ports  | <b>3</b>                                 |
| 142. Compression ratio  | <del>8.8:1</del>                  |                               |  |
| 143. Volume of one combustion chamber                                       | <del>*</del>                      | <b>42.5/43.5</b>              | <b>cm<sup>3</sup> 2.59/2.65 cu.in.</b>   |
| 144. Piston, material   | <del>Aluminium Alloy</del>        | 145. Number of rings          | <del>4</del>                             |
| 146. Distance from gudgeon pin centre line to highest point of piston crown | <del>*</del>                      | <b>42.01/42.11</b>            | <b>mm. 1.65 in.</b>                      |
| 147. Crankshaft :   | <del>moulded</del> / Stamped      | 148. Type of crankshaft :     | <b>integral/Yes....</b>                  |
| 149. Number of crankshaft main bearings                                     | <b>5</b>                          |                               |  |
| 150. Material of bearing cap  | <b>Cast iron</b>                  |                               |  |
| 151. System of lubrication :  | <del>dry sump</del> / oil in sump |                               |  |
| 152. Capacity, lubricant  | <b>4.68</b> ltrs.                 | <b>8.25</b> pts.              | <b>Quarts U.S.</b>                       |
| 153. Oil cooler : yes / no  | <del>*</del>                      | 154. Method of engine cooling | <b>Pressurised radiator</b>              |
| 155. Capacity of cooling system   | <b>5.4</b> ltrs.                  | <b>9.5</b> pts.               | <b>quarts U.S.</b>                       |
| 156. Cooling fan (if fitted) dia.   |                                   | <b>33.02</b>                  | <b>cm. 13.0 in.</b>                      |
| 157. Number of blades of cooling fan  | <del>3</del>                      |                               |  |
- Bearings
- |                              |                    |      |              |                  |            |
|------------------------------|--------------------|------|--------------|------------------|------------|
| 158. Crankshaft main, type   | <b>Lead Indium</b> | Dia. | <b>54.02</b> | <b>mm. 2.127</b> | <b>in.</b> |
| 159. Connecting rod, big end | <b>Lead Indium</b> | Dia. | <b>47.66</b> | <b>mm. 1.876</b> | <b>in.</b> |
- Weights
- |   |                      |              |             |                     |                      |
|---|----------------------|--------------|-------------|---------------------|----------------------|
| 160. Flywheel (clean)                         | <del>*</del>         | <b>13.18</b> | <b>kg.</b>  | <b>29.1</b>         | <b>lbs.</b>          |
| 161. Flywheel with clutch (all turning parts) | <del>*</del>         | <b>19.31</b> | <b>kg.</b>  | <b>42.5</b>         | <b>lbs.</b>          |
| 162. Crankshaft                               | <b>15.0 kg. 34.8</b> | <del>*</del> | <b>lbs.</b> | 163. Connecting rod | <b>3.86 kg. 2.25</b> |
| 164. Piston with rings and pin                | <b>0.65</b>          | <del>*</del> | <b>kg.</b>  | <b>1.43</b>         | <b>lbs.</b>          |



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 Alloy
- 181. Diameter of valves 38.8 mm. 1.57 ins.
- 182. Max. valve lift 9.26 mm. 0.364 in. 183. Number of valve springs 2 per valve
- 184. Type of spring Coil 185. Number of valves per cylinder 1
- 186. Tappet clearance for checking timing (cold) 1.39 mm. 0.055 ins.
- 187. Valves open at (with tolerance for tappet clearance indicated) 16° B.T.D.C. x
- 188. Valves close at (with tolerance for tappet clearance indicated) 56° A.B.D.C. x
- 189. Air filter, type Replaceable paper element x

EXHAUST (see page 4)

- 195. Material(s) of exhaust manifold Cast iron
- 196. Diameter of valves 34.23 mm. 1.35 ins.
- 197. Max. valve lift 9.26 mm. 0.364 in. 198. Number of valve springs 2 per valve
- 199. Type of spring Coil 200. Number of valves per cylinder 1
- 201. Tappet clearance for checking timing (cold) 1.39 mm. 0.055 ins.
- 202. Valves open at (with tolerance for tappet clearance indicated) 51° B.B.D.C. x
- 203. Valves close at (with tolerance for tappet clearance indicated) 21° A.T.D.C. x

CARBURETION (photograph N)

- 210. Number of carburettors fitted 2 211. Type Semi-down draught
- 212. Make S.U. x 213. Model HS 4 x
- 214. Number of mixture passages per carburettor 1
- 215. Flange hole diameter of exit port(s) of carburettor 38 mm. 1.50 ins. x
- 216. Minimum diameter of venturi/minimum diam, with piston at maximum height 31.37 mm. 1.235 ins. x



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.

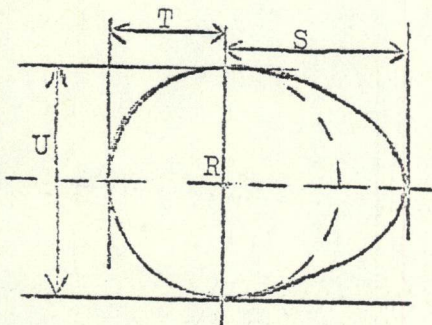
ENGINE ACCESSORIES

- 230. Fuel pump : ~~mechanical and/or electric.~~ ✕
- 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, number fitted 1
- 237. Method of drive **Wedge belt**
- 238. Voltage of generator 12 volts.
- 239. Battery, number 2
- 240. Location **Behind front seats**
- 241. Voltage of battery 6 volts

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

- 250. Max. engine output 95 ✕ (type of horsepower: **BHP** ) at 5.400 rpm
- 251. Max. rpm 6400 ✕ output at that figure
- 252. Max torque ✕ 110 lb. ft. at 3000 rpm
- 253. Max speed of the car ~~approx 169km/hour approx 105.0 miles/hour~~ ✕

R = centre of camshaft.

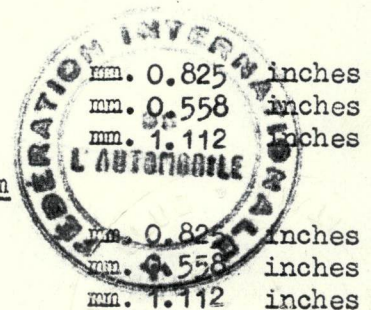


Inlet cam

S = 20.95  
 T = 14.17  
 U = 28.24

Exhaust cam

S = 20.95  
 T = 14.17  
 U = 28.24



DRIVE TRAIN

CLUTCH

- 260. Type of clutch Diaphragm
- 261. No of plates 1
- 262. Dia. of clutch plates 20.32 cm. 8.0 ins..
- 263. Dia. of linings, inside 14.6 cm. 5.75 ins.
- outside 20.3 cm. 8.0 ins.
- 264. Method of operating clutch Hydraulic via slave cylinder

GEAR BOX (photograph H)

- 270. Manual type, make B.M.C.
- 271. No. of gear-box ratios forward 4
- 272. Synchronized forward ratios 3
- 273. Location of gear-shift Central between seats
- 274. Automatic, make type
- 275. No. of forward ratios
- 276. Location of gear shift

277.	Manual		Automatic		Alternative manual / automatic			
	Ratio	No.teeth	Ratio	No.teeth	Ratio	No.teeth	Ratio	No.teeth
1	3.637	$\frac{30}{21} \times \frac{28}{11}$			2.44	$\frac{25}{26} \times \frac{11}{28}$		
2	2.215	$\frac{30}{21} \times \frac{31}{20}$			1.618	$\frac{25}{26} \times \frac{19}{32}$		
3	1.373	$\frac{30}{21} \times \frac{25}{26}$			1.266	$\frac{25}{26} \times \frac{29}{22}$		
4								
5								
6	1.00				1.00			
re-verse	4.755	$\frac{30}{21} \times \frac{28}{11} \times \frac{17}{13}$			3.199			

- 278. Overdrive, type Laycock - electrically operated
- 279. Forward gears on which overdrive can be selected 3rd, 4th
- 280. Overdrive ratio 0.802:1

FINAL DRIVE

- 290. Type of final drive Hypoid
- 291. Type of differential Bevel pinion
- 292. Type of limited slip differential (if fitted)
- 293. Final drive ratio 3.909:1
- Number of teeth 11/43



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, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, M and N.

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. 1/5/1966 rec.no. 508 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.....

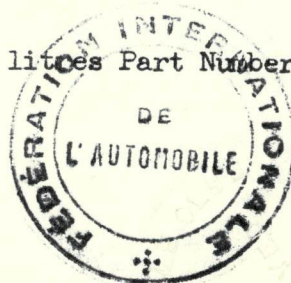
Optional equipment affecting preceding information. This to be stated together with reference number.

Hard top - Part Numbers: AHH.7152,3,4,5. AHH.7220

72. Anti-roll bar - Part Number: AHH.7329

293. Final drive ratio 4.55:1  
No. of teeth 9/41

Fuel tank (supplementary) capacity 10 gallons Imp./45.5 litres Part Number AHH.7051





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

Manufacturer MG Car Company Ltd.,

Model M.G.B.

Amendment No. 1

F.I.A. Recognition No. 508

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No.

OPTIONAL EQUIPMENT

- |    |      |  |                        |
|----|------|--|------------------------|
| 1. | 54.  | Wire wheel - C-AHA. 7325<br>Rim width 139.7mm /5.5 inches. | } Wheels.              |
|    | 51.  | 17.87 lbs./8.12 kgs.                                       |                        |
| 2. | 292. | BMC Limited Slip Differential                              |                        |
| 3. | 293. | Final drive ratio  | 4.1    4.3    4.875    |
|    |      | No. of teeth   | 10/41    10/43    8/39 |



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

Date amendment is valid from 1st May, 1966



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

Manufacturer M.G. Car Co. Ltd.

Model MGB

F.I.A. Recognition No. 508

*B/U*

Amendment No. 2

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No.

Optional Equipment

1 7. Fuel tank - capacity 21.0 gallons/95.34 litres.

2 Alternative wheels:-  
50. Type: Magnesium Electron C Part No.C-AHT69



51. Weight: 15 lbs./6.8 kgs.

52. Method of attachment:- Centre lockcap.

53. Rim diameter: 355.6 m.m./14.0 ins.

54. Rim width: 139.7 m.m./5.5 ins.

TRACK NOT CHANGED:

Date amendment is valid from

*1st July 1967 list 16/4*





MOTOR SPORT DIVISION  
The Royal Automobile Club,  
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Manufacturer M.G. Car Co. Ltd.

Model MGB

F.I.A. Recognition No. 508

*B/V*

Amendment No. 2

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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