

F.I.A. Rec. No 5020
Group 1 - Series Production
Towing
ADO 16G/66

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

	<u>Cylinder-capacity..1098...cm³..67.0...in³</u>
Manufacturer..MG Car Company Limited...	Model.....MG 1100.....
Serial No. of chassis.G/GS1.....	Manufacturer..British Motor Corporation...
engine..10GB.or.10.GRB.	Manufacturer..British Motor Corporation...
Recognition is valid from.18 Jan '66	List..14.....

The manufacturing of the model described in this recognition form was started on .27.11.1962 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on...24.11.1962

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



R.A.C. Stamp

B



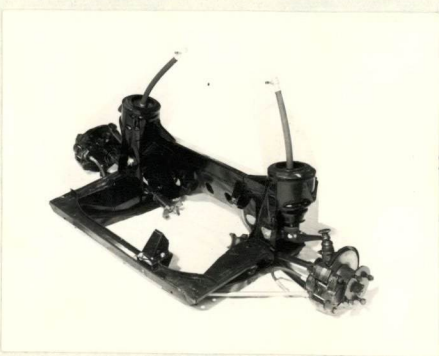
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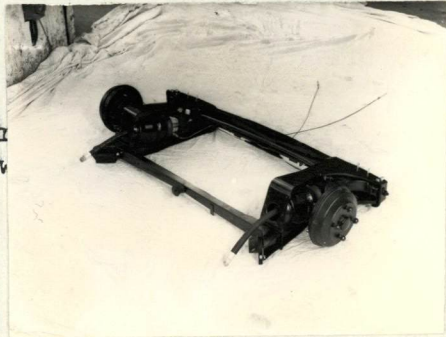
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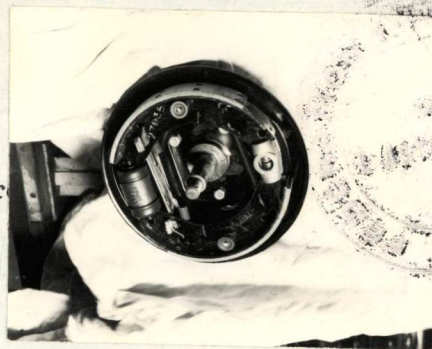
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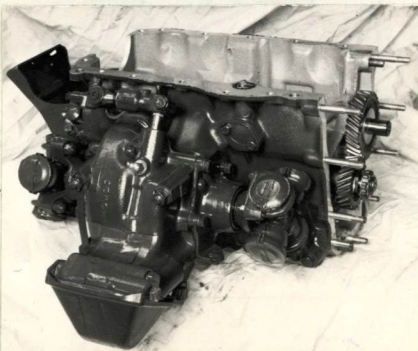


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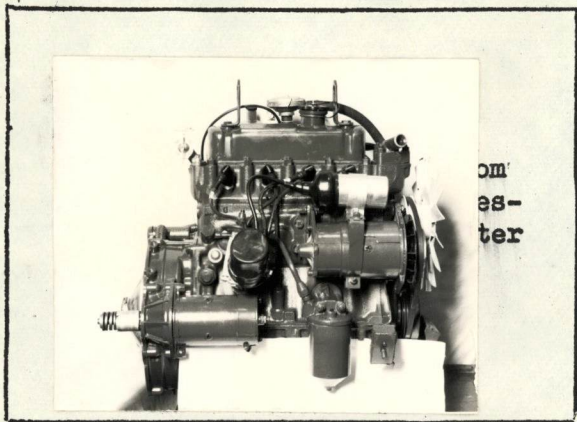


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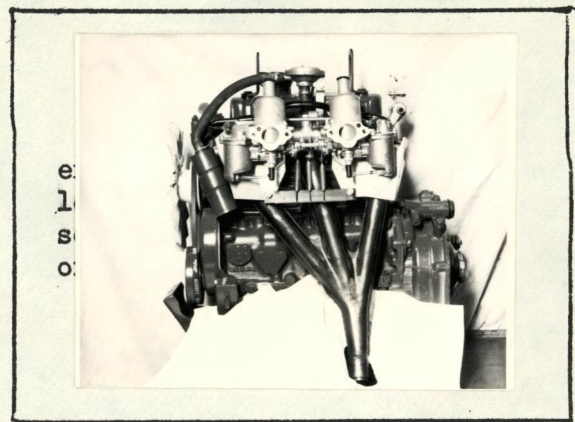
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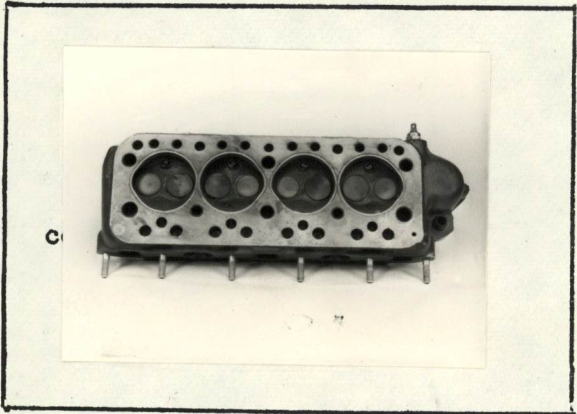
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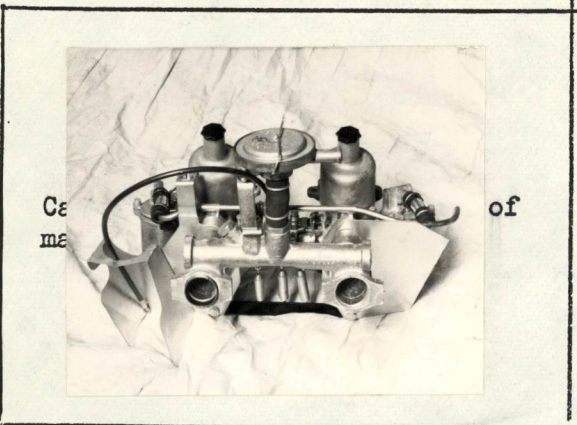


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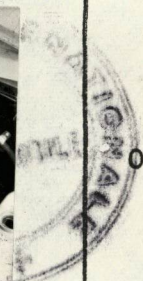


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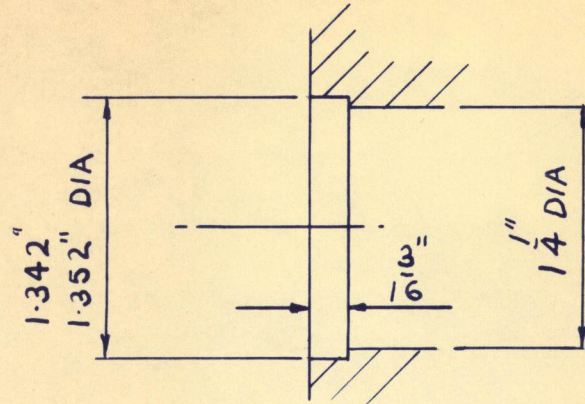
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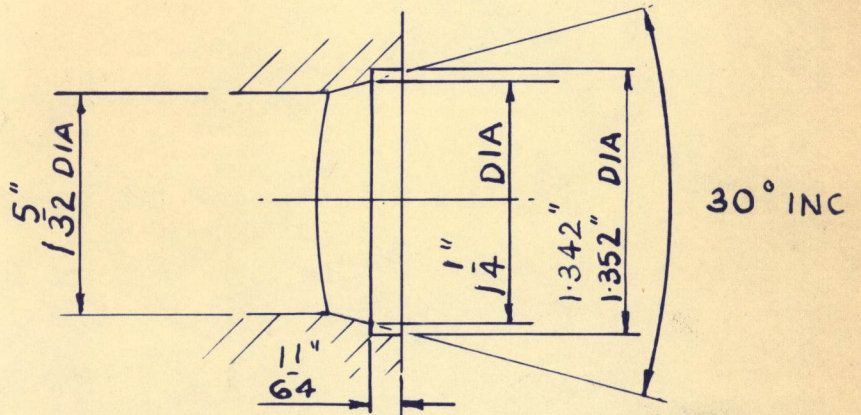
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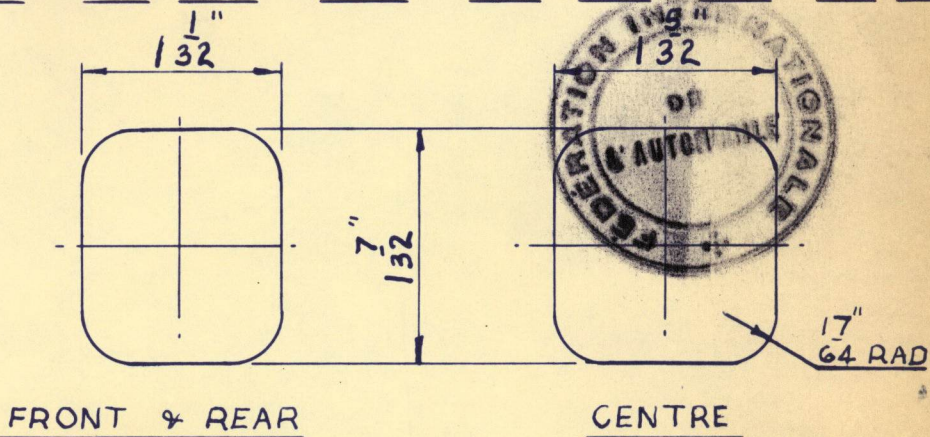
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



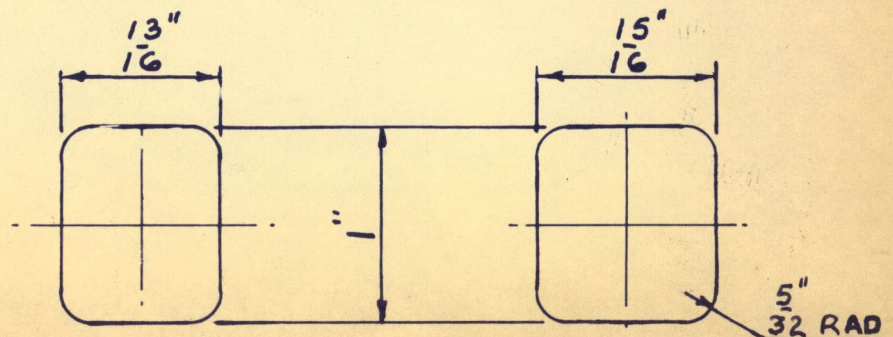
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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.



GEN^L. TOL. ± .010"

FRONT & REAR

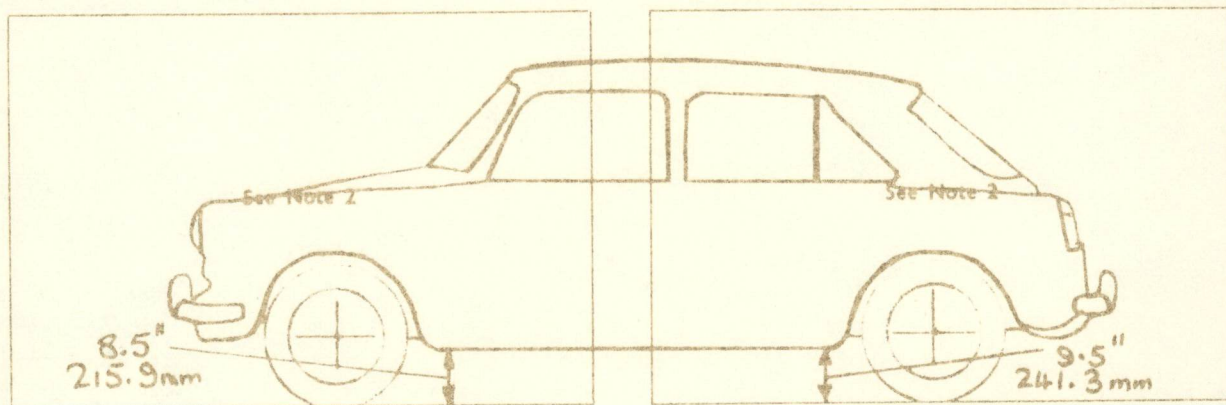
CENTRE

NOTE 1.

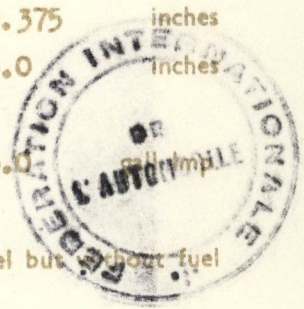
All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

1. Wheelbase		2374.9	mm.	93.5	inches
2. Front track (+ 6.35 mm/0.25")				3. Rear track (+ 6.35 mm/0.25")	
1308.0	mm.	51.5	inches	1292.2	mm. 50.875 inches



4. Overall length of the car		372.75	cm.	146.75	inches
5. Overall width of the car		153.35	cm.	60.375	inches
6. Overall height of the car		134.62	cm.	53.0	inches
7. Capacity of fuel tank (reserve included)		36.4	ltrs.	gall. U.S.	8.6
8. Seating Capacity.		4/5			
9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools:		815.5	kg.	1796.0	lbs. cwt.



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. ²	1 gallon Imp.	—	4.546	ltrs.
1 cubic inch/pouce cube	—	16.387	cm. ³	1 gallon US	—	3.785	ltrs.
1 pound/livre (lb)	—	453.593	gr.	1 hundred weight (cwt.)	—	50.802	kg.

Make MG

Model 1100

F.I.A. Rec.no. 5020

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : ~~separate~~ / unitary construction

21. Unitary construction, material(s) Steel

SEPARATE CONSTRUCTION - MATERIALS

22. Chassis

23. Coachwork

24. Number of doors 4 Material(s) Steel

25. Bonnet Steel 26. Boot Lid Steel

27. Rear Window Safety glass 28. Windscreen Toughened or laminated glass

29. Front door windows Safety glass 30. Rear door windows Safety glass

31. Sliding system of door windows Vertical

32. Material(s) of rear-quarter light Safety glass

ACCESSORIES AND UPHOLSTERY

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

40. Ventillation : yes - ~~no~~

41. Front seats, type of upholstery Leathercloth

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

8.22 kg. 18.25 lbs.

43. Rear seats, type of upholstery

44. Front bumper, material(s) Steel Weight 3.68 kg. 8.25 lbs.

45. Rear bumper, material(s) Steel Weight 3.29 kg. 7.25 lbs.

WHEELS

50. Type Ventilated disc

51. Weight (per wheel, without tyre) 5.22 kg. 11.5 lbs.

52. Method of attachment 4 stud

53. Rim diameter 304.68 mm. 12.0 ins.

54. Rim width 101.56 mm. 4.0 ins.

STEERING

60. Type Rack & Pinion

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

62. Number of turns of steering wheel from lock to lock 3.125

63. In case of servo-assistance.



SUSPENSION

- 70. Front suspension (photograph D), type **Independent**
- 71. Type of spring **Hydrolastic displacer unit**
- 72. Stabiliser (if fitted)
- 73. Number of shock absorbers **2** 74. Type **Incorporated in displacer unit**
- 78. Rear suspension (photograph E), type **Independent**
- 79. Type of spring **Hydrolastic displacer unit**
- 80. Stabiliser (if fitted) **Yes**
- 81. Number of shock absorbers **2** 82. Type **Incorporated in displacer unit**

BRAKES (photographs F and G)

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

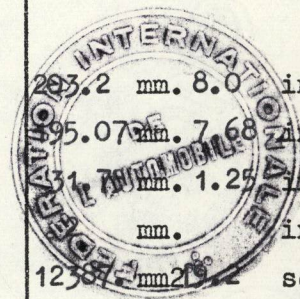
	FRONT		REAR	
93. Number of cylinders per wheel	2		1	
94. Bore of wheel cylinder(s)	50.8 mm.	2.0 inches	19.05 mm.	0.75 inches

Drum Brakes

95. Inside diameter	mm.	inches	203.2 mm.	8.0 inches
96. Length of brake linings	mm.	inches	95.07 mm.	7.68 inches
97. Width of brake linings	mm.	inches	31.75 mm.	1.25 inches
98. Number of shoes per brake	mm.	inches	mm.	inches
99. Total area per brake	mm ²	sq.in.	12387 mm ²	21 sq.in.

Disc Brakes

100. Outside diameter	203.2 mm.	8.0 inches	mm.	inches
101 Thickness of disc	7.94 mm.	0.312 inches	mm.	inches
102 Length of brake linings approx	66.67 mm.	2.26 inches	mm.	inches
103 Width of brake linings approx	44.45 mm.	1.75 inches	mm.	inches
104 Number of pads per brake	2			
105 Total area per brake	5342.0 mm ²	8.28 sq.in.	mm ²	sq.in.



Make MG

Model 1100

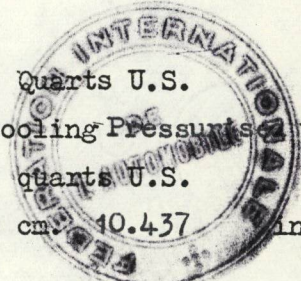
F.I.A. Rec.no.

5020

ENGINE (photographs J and K)

130. Cycle 4 stroke 131. Number of cylinders 4
 132. Cylinder Arrangement In line
 133. Bore 64.58 mm. 2.543 in. 134. Stroke 83.72 mm. 3.296 in.
 135. Capacity per cylinder 274.5 cm³ 16.75 cu.in.
 136. Total cylinder capacity 1098. cm³ 67.0 cu.in.
 137. Material(s) of cylinder block Cast iron
 138. Material(s) of sleeves (if fitted) Cast iron
 139. Cylinder head, material(s) Cast iron Number fitted 1
 140. Number of inlet ports 2 141. Number of exhaust ports 3
 142. Compression ratio 8.9:1
 143. Volume of one combustion chamber 28.29 cm³ 1.725 cu.in.
 144. Piston, material Aluminium alloy 145. Number of rings 4
 146. Distance from gudgeon pin centre line to highest point of piston crown
 30.33 mm. 1.16 in.

147. Crankshaft : ~~moulded~~ / Stamped 148. Type of crankshaft : integral/ ~~Yes~~.....
 149. Number of crankshaft main bearings 3
 150. Material of bearing cap Cast iron
 151. System of lubrication : ~~dry-sump~~ / oil in sump
 152. Capacity, lubricant 4.83 ltrs. 8.5 pts. Quarts U.S.
 153. Oil cooler : ~~yes~~ / no 154. Method of engine cooling Pressurized water
 155. Capacity of cooling system 3.8 ltrs. 6.75 pts. quarts U.S.
 156. Cooling fan (if fitted) dia. 26.5 cm 10.437 in.
 157. Number of blades of cooling fan 16



Bearings

158. Crankshaft main, type Copper lead Dia. 44.47 mm. 1.75 in.
 159. Connecting rod, big end Copper lead Dia. 41.29 mm. 1.625 in.

Weights

160. Flywheel (clean) 6.69 kg. 14.72 lbs.
 161. Flywheel with clutch (all turning parts) 12.65 kg. 27.845 lbs.
 162. Crankshaft 10.4 kg. 22.88 lbs. 163. Connecting rod 0.68 kg. 1.49 lbs.
 164. Piston with rings and pin 0.240 kg. 0.528 lbs.

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location Cylinder block
 172. Type of camshaft drive Chain
 173. Type of valve operation OHV pushrod

INLET (see page 4)*

180. Material(s) of inlet manifold Aluminium alloy
 181. Diameter of valves 30.94 mm. 1.218 ins.
 182. Max. valve lift 8.1 mm. 0.318 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) 0.3 mm. 0.012 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) 5° BTDC
 188. Valves close at (with tolerance for tappet clearance indicated) 45° ABDC
 189. Air filter, type Combined air cleaner/silencer

EXHAUST (see page 4)

195. Material(s) of exhaust manifold Steel
 196. Diameter of valves 25.53 mm. 1.005 ins.
 197. Max. valve lift 8.1 mm. 0.318 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) 0.3 mm. 0.012 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 5° BTDC
 203. Valves close at (with tolerance for tappet clearance indicated) 21° ATC

CARBURETION (photograph N)

210. Number of carburettors fitted 2 211. Type Variable choke
 212. Make S.U. 213. Model HS2
 214. Number of mixture passages per carburettor 1
 215. Flange hole diameter of exit port(s) of carburettor 31.75 mm. 1.25 ins.
 216. ~~Minimum diameter of venturi~~/minimum diam, with piston at maximum height
 23.01 mm. 0.906 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.

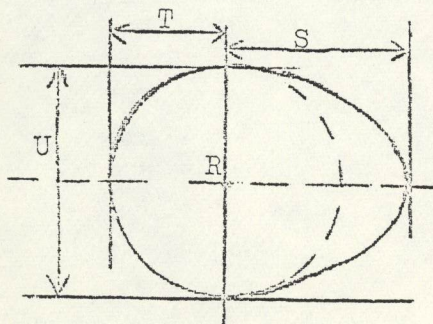
* For additional information concerning two-stroke engines and super-charged engines, see page 13.

ENGINE ACCESSORIES

- 230. Fuel pump : ~~mechanical-and/or~~ electric.
- 231. No.fitted **1**
- 232. Type of ignition system **HT coil** 233. No.of distributors **1**
- 234. No. of ignition coils **1** 235. No. of spark plugs per cylinder
- 236. Generator, number fitted **1** 237. Method of drive **Wedge belt**
- 238. Voltage of generator **12** volts.239. Battery, number **1**
- 240. Location **Engine compartment**
- 241. Voltage of battery **12** volts

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

- 250. Max. engine output **55** (type of horsepower; **BHP**) at **5500** rpm
- 251. Max. rpm output at that figure
- 252. Max torque **61 ft. lb.** at **2750** rpm
- 253. Max speed of the car **137.7** km/hour **85.0** miles/hour



R = centre of camshaft.

Inlet cam

S =	20.55	mm.	0.809	inches
T =	13.79	mm.	0.543	inches
U =	27.69	mm.	1.085	inches

Exhaust cam

S =	20.55	mm.	0.809	inches
T =	13.79	mm.	0.543	inches
U =	27.69	mm.	1.085	inches

DRIVE TRAIN

CLUTCH

- 260. Type of clutch Diaphragm spring
- 261. No of plates 1
- 262. Dia. of clutch plates 18.10 cm. 7.125 ins..
- 263. Dia. of linings, inside 13.34 cm. 5.25 ins.
- outside 18.10 cm. 7.125 ins.
- 264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

- 270. Manual type, make EMC
- 271. No. of gear-box ratios forward 4
- 272. Synchronized forward ratios 3
- 273. Location of gear-shift Central remote control
- 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	3.627	$\frac{32}{13} \times \frac{28}{19}$			2.57	$\frac{23}{22} \times \frac{32}{13}$		
2	2.172	$\frac{28}{19} \times \frac{28}{19}$			1.72	$\frac{23}{22} \times \frac{28}{17}$		
3	1.412	$\frac{23}{24} \times \frac{28}{19}$			1.25	$\frac{23}{22} \times \frac{24}{20}$		
4	1:1				1:1			
5								
6								
re-verse	3.627	$\frac{32}{13} \times \frac{28}{19}$			2.57	$\frac{23}{22} \times \frac{18}{13}$		



- 278. Overdrive, type
- 279. Forward gears on which overdrive can be selected
- 280. Overdrive ratio

FINAL DRIVE

- 290. Type of final drive Helical spur gear
- 291. Type of differential Bevel
- 292. Type of limited slip differential (if fitted)
- 293. Final drive ratio 4.133:1
- Number of teeth 62/15

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.....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.

293. Final drive ratio - 3.765:1
 Number of teeth - 17/64

