

F.I.A. Recognition No. 568  
Group 3



ADO41/67

# 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	AUSTIN MOTOR CO. LTD., in association with Donald Healey Motor Company Limited	Cylinder-capacity	1275	cm. <sup>3</sup>	77.9	in. <sup>3</sup>
Serial No. of chassis/body	HAN9 or HAN9L	Model	Austin Healey Sprite Mk IV			
Serial No. of engine	12CC	Manufacturer	British Motor Corporation			
Recognition is valid from	1st July 1967	Manufacturer	British Motor Corporation			
		List	16/4			
The manufacturing of the model described in this recognition form started on 21st September 1966						
and the minimum production of 500 identical cars, in accordance with the specifications of						
this form was reached on 12th January 1967						

Photograph A, ¾ view of car from front



F.I.A. Stamp

*Hubert Phoenix*

R.A.C. Stamp





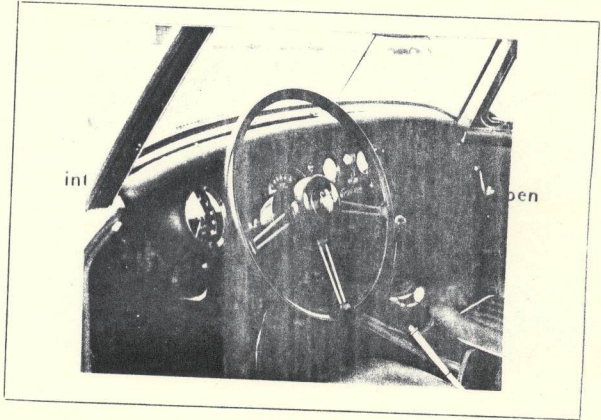
B



int

ben

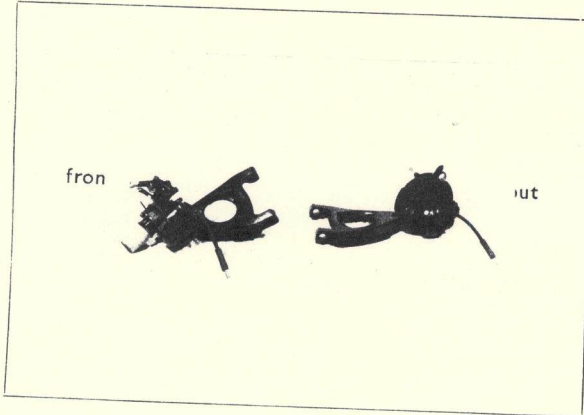
C



D

fron

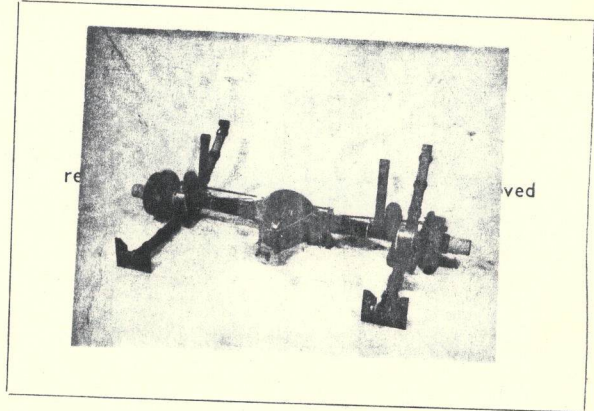
ut



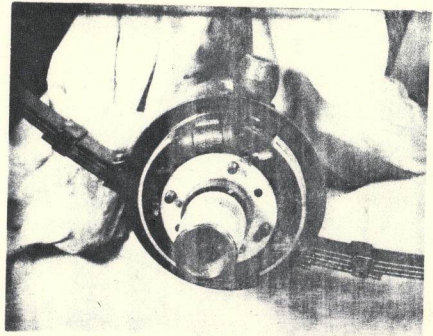
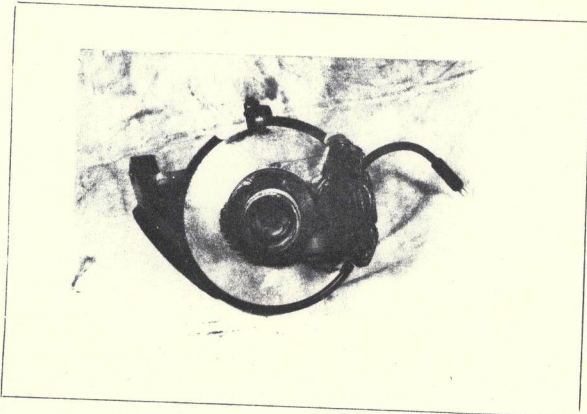
re

ved

E

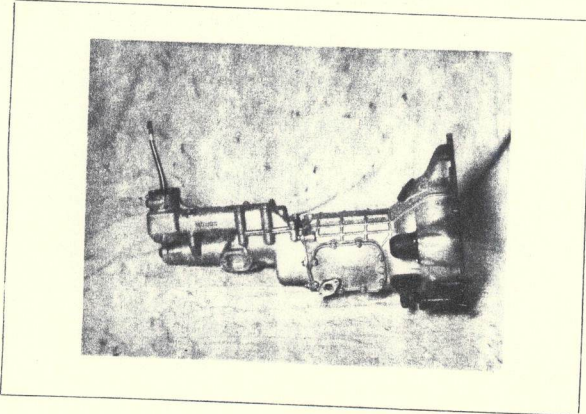


F



G

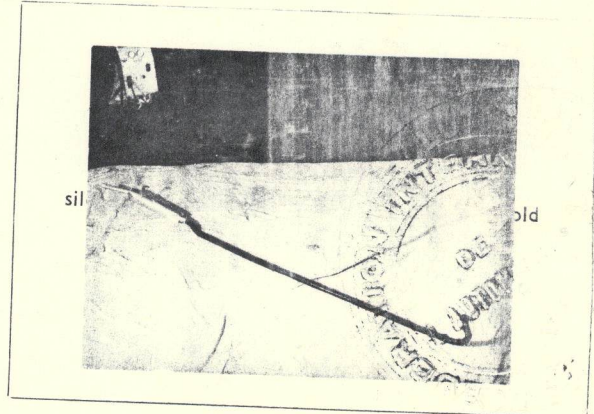
H



sil

old

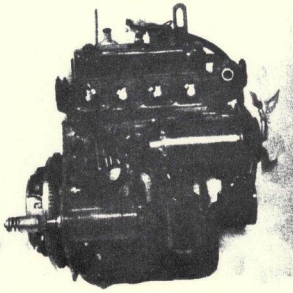
I





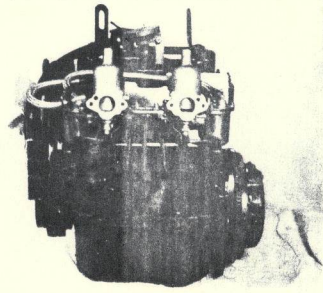
J

engine  
and acc



th clutch  
gear box

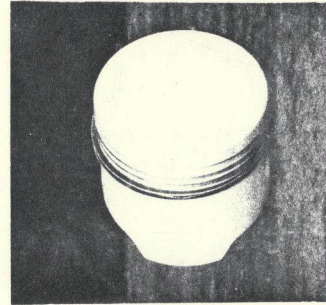
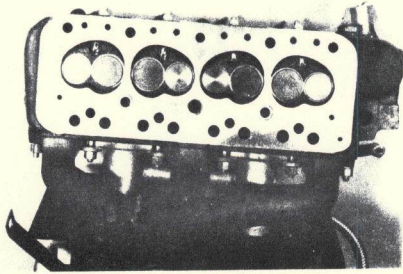
engir  
aces



clutch and  
air filter

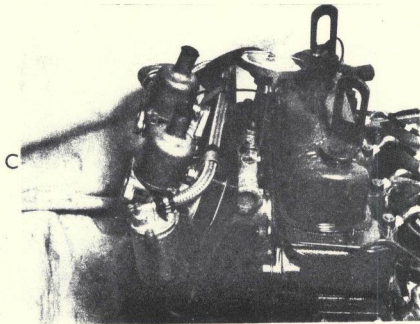
K

L

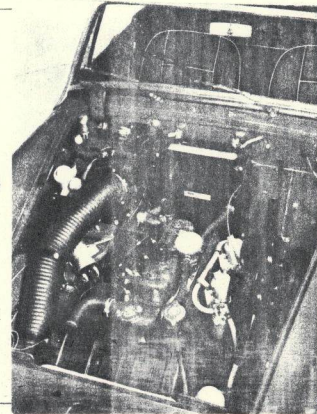


M

N



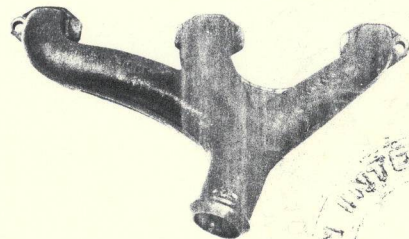
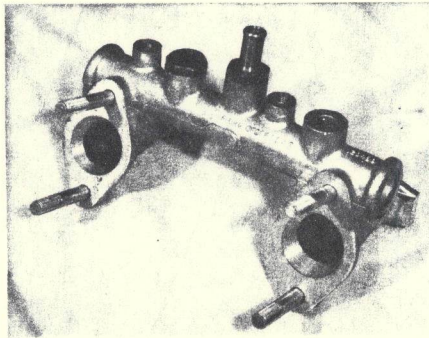
engine



hood open

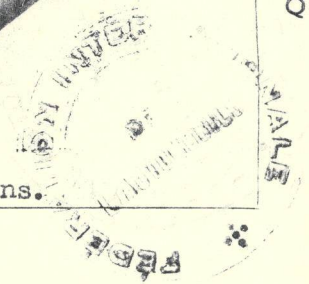
O

P

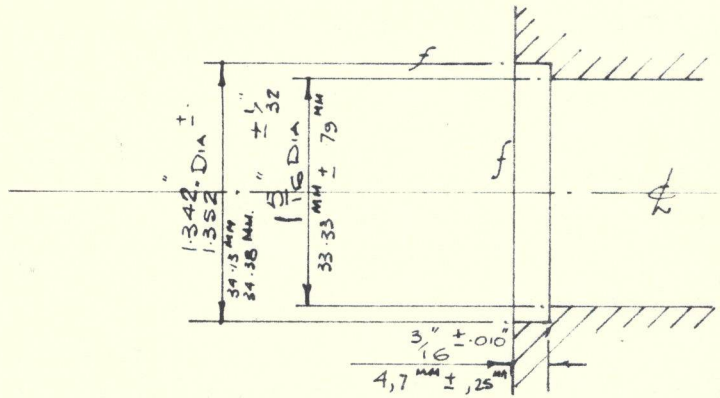


35.71 mm/1.406 ins.

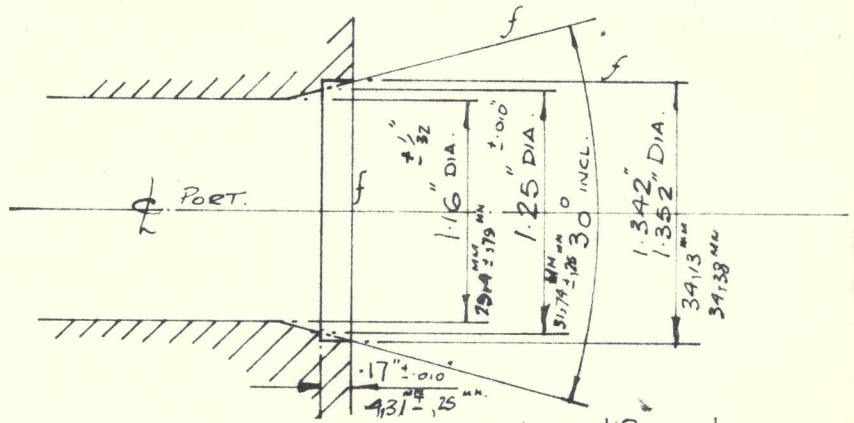
Q



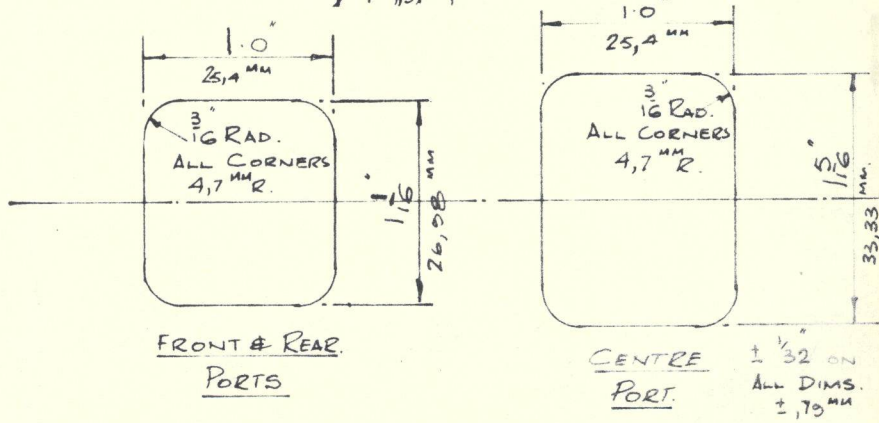
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



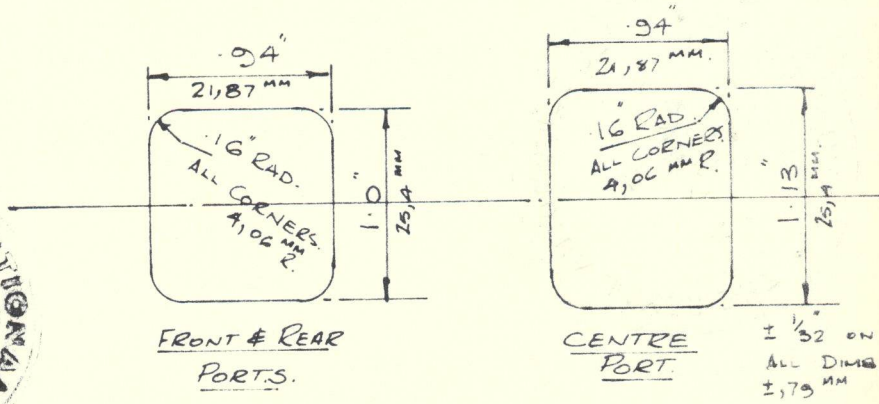
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.



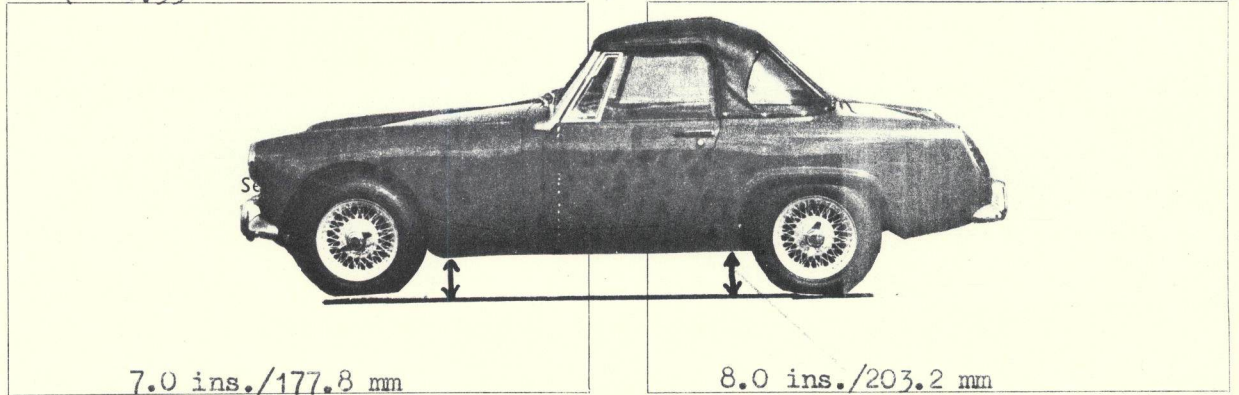


**NOTE 1.**

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

**CAPACITIES AND DIMENSIONS**

1. Wheelbase		2032.0	mm.	80.0	inches
2. Front track	Disc) 1175.9	46.3			
	Wire)				
	( ± 6.35	mm.	0.25	inches	)
3. Rear track	Disc) 1127.65			44.75	
	Wire) 1149.35			45.25	
	( ± 6.35	mm.	0.25	inches	)



4. Overall length of the car		348.9	cm.	137.4	inches
5. Overall width of the car	Disc	139.4	cm.	54.9	inches
	Wire	143.5		56.5	
6. Overall height of the car		123.2	cm.	48.5	inches
7. Capacity of fuel tank (reserve included)	27.24	ltrs.	7.2	gall. U.S.	6
					gall. Imp.
8. Seating Capacity.					
9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools :	690.0	kg.	1521.0	lbs.	cwts.

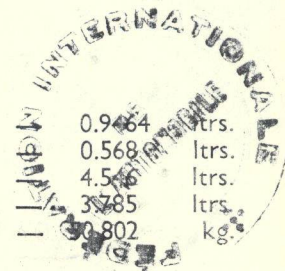
**NOTE 2.**

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



**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 **Steel**
- 23. Material(s) of coachwork **Steel**
- 24. Number of doors **2** Material(s) **Steel**
- 25. Material(s) of bonnet **Steel**
- 26. Material(s) of boot lid **Steel**
- 27. Material(s) of rear-window **Vybak**
- 28. Material(s) of windscreen **Laminated glass**
- 29. Material(s) of front-door windows **Safety glass**
- 30. Material(s) of rear-door windows **-**
- 31. Sliding system of door windows **Vertical winding**
- 32. Material(s) of rear-quarter light **-**

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

7.91	kg.	17.4	lbs.
------	-----	------	------
- 43. Rear seats, type of seat and upholstery **-**
- 44. Front bumper, material(s) **Steel** Weight 

5.56	kg.	12.25	lbs.
------	-----	-------	------
- 45. Rear bumper, material(s) **Steel** Weight 

4.65	kg.	10.25	lbs.
------	-----	-------	------

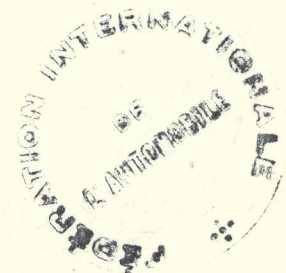
**WHEELS**

- 50. Type **Disc or wire spoke**
- 51. Weight (per wheel, without tyre) 

Wire 5.51		12.125	
Disc 5.21	kg.	11.5	lbs.
- 52. Method of attachment **4 studs or centre lock cap**
- 53. Rim diameter **330.2** mm. **13.0** ins. 54. Rim width **88.9** mm. **3.5** ins.

**STEERING**

- 60. Type **Rack and pinion**
- 61. Servo-assistance : **yes** — no
- 62. Number of turns of steering wheel from lock to lock **2 $\frac{1}{4}$**
- 63. In case of servo-assistance **-**





**SUSPENSION**

- 70. Front suspension (photograph D), type **Independent**
- 71. Type of spring **Coil**
- 72. Stabiliser (if fitted) **No**
- 73. Number of shock absorbers **2**
- 74. Type **Hydraulic lever arm**
- 78. Rear suspension (photograph E), type **Semi-elliptic**
- 79. Type of spring **Leaf**
- 80. Stabiliser (if fitted) **No**
- 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**

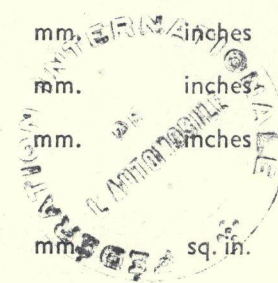
93. Number of cylinders per wheel	<b>2</b>	<b>FRONT</b>	<b>1</b>	<b>REAR</b>
94. Bore of wheel cylinder(s)	<b>50.8</b>	mm. <b>2.0</b> inches	<b>19.05</b>	mm. <b>0.75</b> inches

**Drum Brakes**

95. Inside diameter		mm. inches	<b>177.8</b>	mm. <b>7.0</b> inches
96. Length of brake linings		mm. inches	<b>169.6</b>	mm. <b>6.68</b> inches
97. Width of brake linings		mm. inches	<b>31.8</b>	mm. <b>1.25</b> inches
98. Number of shoes per brake			<b>2</b>	
99. Total area per brake		mm. <sup>2</sup> sq. in.	<b>1077.5</b>	mm. <sup>2</sup> <b>16.7</b> sq. in.

**Disc Brakes**

100. Outside diameter		<b>209.5</b> mm. <b>8.25</b> inches		mm. inches
101. Thickness of disc		<b>7.62</b> mm. <b>0.30</b> inches		mm. inches
102. Length of brake linings	<b>approx</b>	<b>66.5</b> mm. <b>2.625</b> inches		mm. inches
103. Width of brake linings	<b>approx</b>	<b>44.0</b> mm. <b>1.75</b> inches		mm. inches
104. Number of pads per brake		<b>2</b>		
105. Total area per brake		<b>580.6</b> mm. <sup>2</sup> <b>9.0</b> sq. in.		mm. <sup>2</sup> sq. in.



**ENGINE** (photographs J and K)

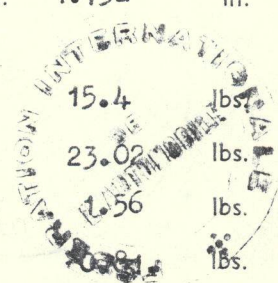
- |   |                           |   |                                       |
|---|---------------------------|---|---------------------------------------|
| 130. Cycle  | 4 stroke                  | 131. Number of cylinders                | 4                                     |
| 132. Cylinder Arrangement   | In line                   |   |                                       |
| 133. Bore   | 70.63 mm. 2.78 in.        | 134. Stroke                             | 81.33 mm. 3.20 in.                    |
| 135. Capacity per cylinder  |                           |   | 318.75 cm. <sup>3</sup> 19.45 cu. in. |
| 136. Total cylinder capacity  |                           |   | 1275. cm. <sup>3</sup> 77.9 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  | 2                         | 141. Number of exhaust ports            | 3                                     |
| 142. Compression ratio  | 8.8:1                     |   |                                       |
| 143. Volume of one combustion chamber                                       |                           |   | 21.4 cm. <sup>3</sup> 1.29 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 |                           |   | 37.97 mm. 1.495 in.                   |
| 147. Crankshaft: <del>moulded</del> /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: <del>dry sump</del> /oil in sump                |                           |   |                                       |
| 152. Capacity, lubricant  | or 3.98 Itrs. or 7.0 pts. |   | quarts U.S.                           |
|   | 4.69 Itrs. or 10.33 pts.  |   |                                       |
| 153. Oil cooler: yes/no   |                           | 154. Method of engine cooling           | Pressurised water radiator            |
| 155. Capacity of cooling system   | 5.68 Itrs. 10.0 pts.      |   | quarts U.S.                           |
| 156. Cooling fan (if fitted) dia.   |                           |   | 26.97 cm. 10.62 in.                   |
| 157. Number of blades of cooling fan  | 6                         |   |                                       |

**Bearings**

- |                                   |             |      |       |      |       |     |
|-----------------------------------|-------------|------|-------|------|-------|-----|
| 158. Crankshaft main, type        | Lead indium | dia. | 50.84 | m.m. | 2.002 | in. |
| 159. Connecting rod big end, type | Lead indium | dia. | 44.52 | m.m. | 1.752 | in. |

**Weights**

- |   |                     |                     |       |     |       |      |
|---|---------------------|---------------------|-------|-----|-------|------|
| 160. Flywheel (clean)                         |                     |                     | 6.98  | kg. | 15.4  | lbs. |
| 161. Flywheel with clutch (all turning parts) |                     |                     | 10.44 | kg. | 23.02 | lbs. |
| 162. Crankshaft                               | 10.1 kg. 22.25 lbs. | 163. Connecting rod | 0.71  | kg. | 1.56  | lbs. |
| 164. Piston with rings and pin                |                     |                     | 0.368 | kg. | 0.81  | 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 **Pushrods and rockers**

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

180. Material(s) of inlet manifold **Aluminium alloy**  
 181. Diameter of valves **33.26** mm. **1.309** ins.  
 182. Max. valve lift **8.1** mm. **0.318** in. 183. Number of valve springs **2 per valve**  
 184. Type of spring **Coil** 185. Number of valves per cylinder  
 186. Tappet clearance for checking timing (cold) **0.533** mm. **0.021** ins.  
 187. Valves open at (with tolerance for tappet clearance indicated) **5°** B.T.D.C.  
 188. Valves close at (with tolerance for tappet clearance indicated) **45°** A.B.D.C.  
 189. Air filter, type **Renewable element**

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

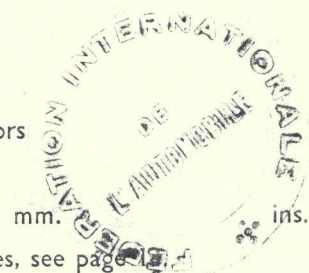
195. Material(s) of exhaust manifold **Cast iron**  
 196. Diameter of valves **29.32** mm. **1.154** ins.  
 197. Max. valve lift **8.1** mm. **0.318** in. 198. Number of valve springs **2 per valve**  
 199. Type of spring **Coil** 200. Number of valves per cylinder  
 201. Tappet clearance for checking timing (cold) **0.533** mm. **0.021** ins.  
 202. Valves open at (with tolerance for tappet clearance indicated) **51°** B.B.D.C.  
 203. Valves close at (with tolerance for tappet clearance indicated) **21°** A.T.D.C.

**CARBURETION** (photograph N)

210. Number of carburettors fitted **2** 211. Type **Semi-down draught**  
 212. Make **S.U.** 213. Model **H.S.2**  
 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 (example : SU)  
**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



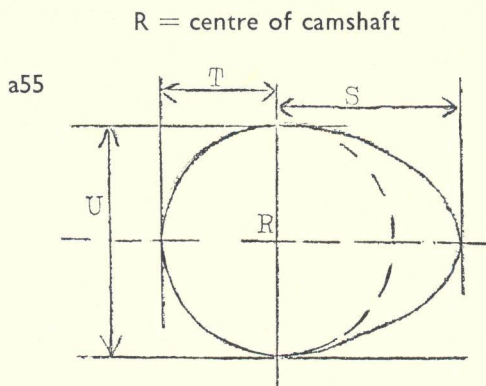
\* For additional information concerning two-stroke engines and super-charged engines, see page

**ENGINE ACCESSORIES**

- 230. Fuel pump : ~~mechanical~~ and/or electrical
- 231. No. fitted 1
- 232. Type of ignition system 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 1
- 240. Location Rear of engine compartment
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output 65 (type of horsepower: B.H.P.) at 6000 r.p.m.
- 251. Max. r.p.m. 6500 output at that figure 62.9 BHP
- 252. Max. torque 72 lbs/ft. at 3000 r.p.m.
- 253. Max. speed of the car 150.4 km./hour 94.0 miles/hour approx



**Inlet cam**

S =	20.56	mm.	0.8094	inches
T =	13.81	mm.	0.5426	inches
U =	27.56	mm.	1.085	inches

**Exhaust cam**

S =	20.56	mm.	0.8094	inches
T =	13.81	mm.	0.5426	inches
U =	27.56	mm.	1.085	inches





**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. Supplementary fuel tank - 6 gallons/27.3 litres C-AHA.7565
- 51. Weight - 16.0 lbs/7.27 kgs.
- 54. Wire spoke wheel - C-AHA.7573. Rim width - 127.0 mm/5.0 inches
- 292. BMC Limited Slip Differential C-BTA.696
- 293. Final drive ratio - 4.55:1, 4.875:1, 3.9:1, 3.727:1
- No. of teeth - 9/41, 8/39, 10/39, 11/41

152. Photograph of sump:

