



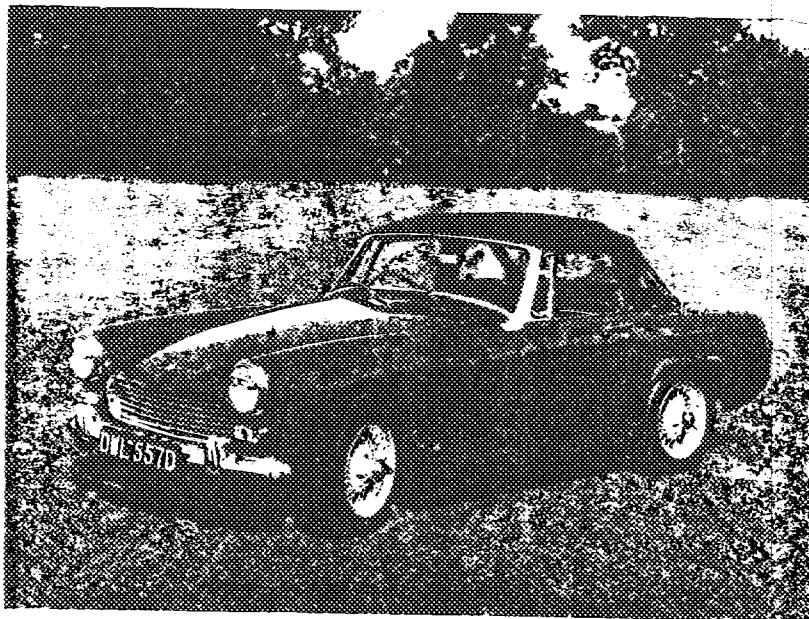
ROYAL AUTOMOBILE CLUB

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.³ 77.9 in.³
Model Austin Healey Sprite Mk IV
Serial No. of chassis/body HAN9 or HAN9L Manufacturer British Motor Corporation
Serial No. of engine 1200 Manufacturer British Motor Corporation
Recognition is valid from 1st July 1967 List 16/4
The manufacturing of the model described in this recognition form started on 21st September 19 66
and the minimum production of 500 identical cars, in accordance with the specifications of
this form was reached on 12th January 19 67

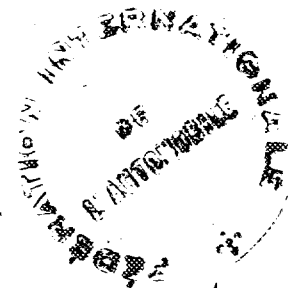
Photograph A. $\frac{1}{4}$ view of car from front



F.I.A. Stamp

Hubert P. ...

R.A.C. Stamp



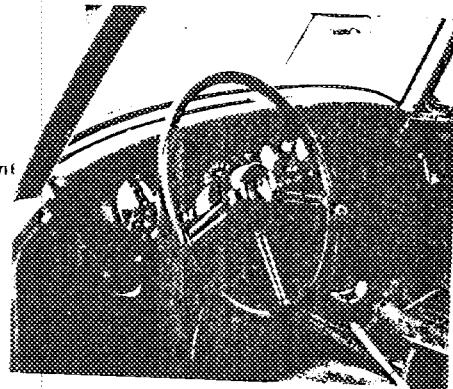
B



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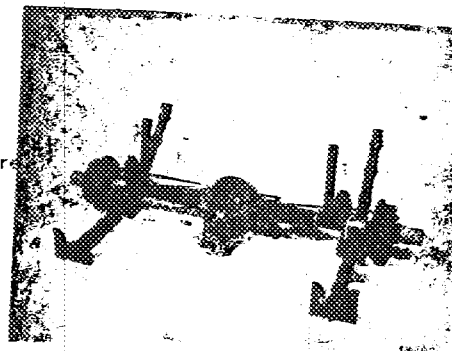
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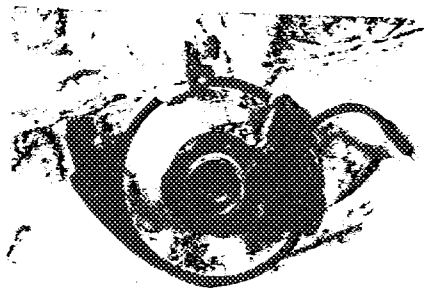
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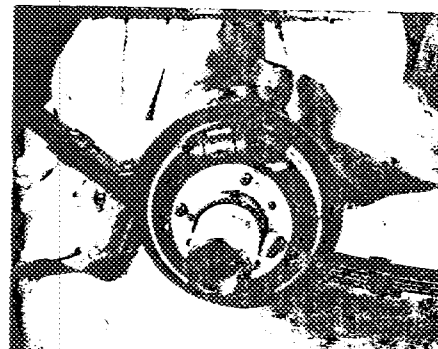
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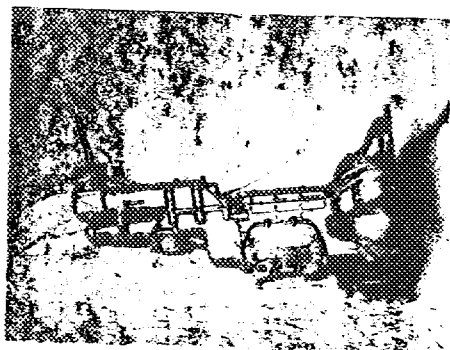
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G



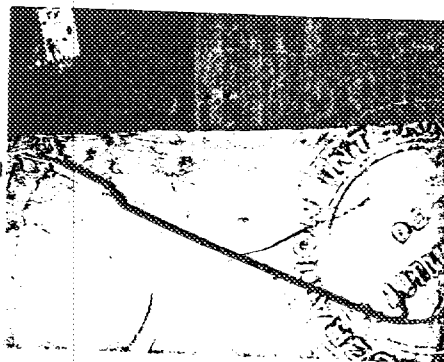
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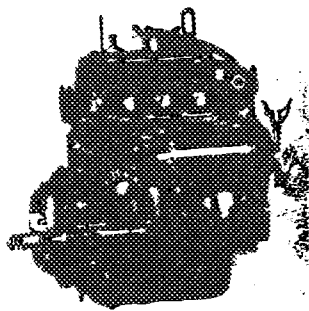
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I



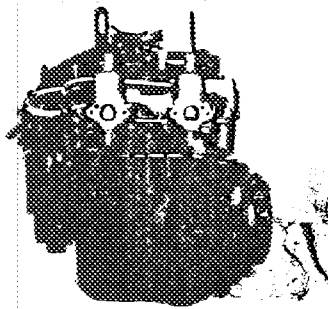
J

engine
and acc



th clutch
gear box

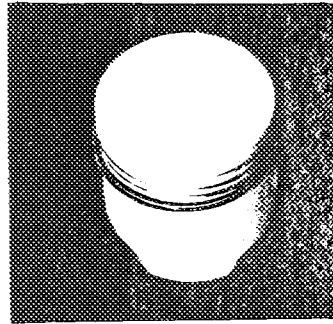
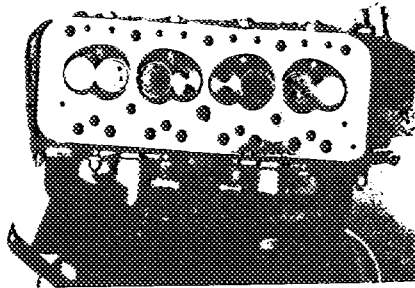
engir
acces



clutch and
air filter

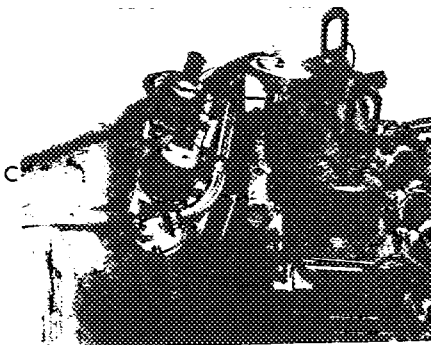
K

L

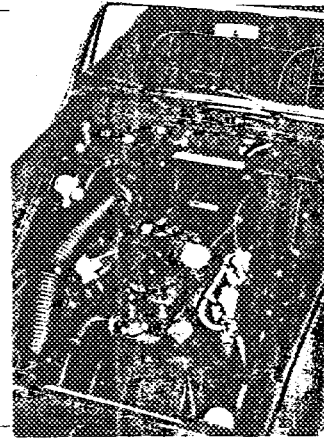


M

N



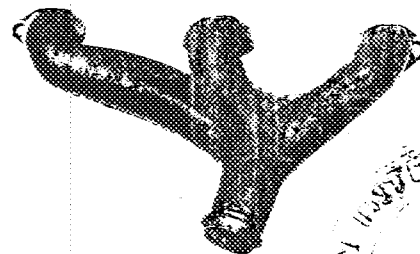
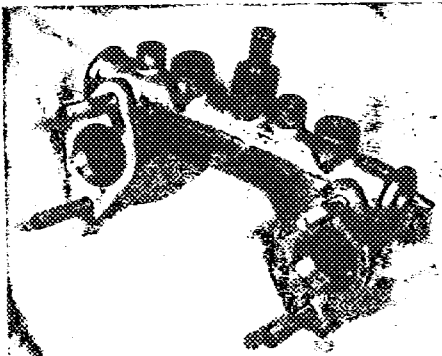
engine



fan cover open

O

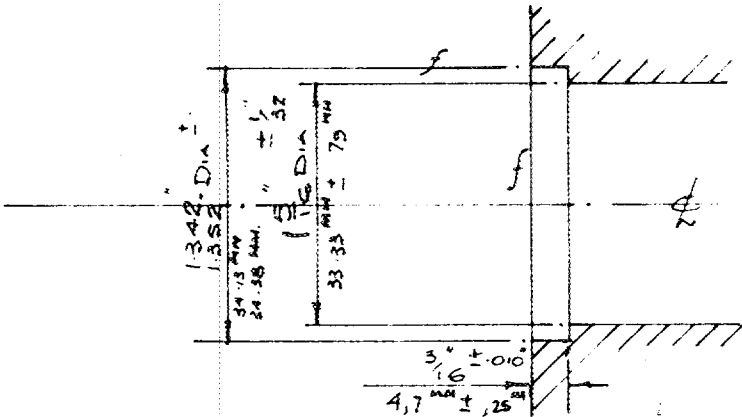
P



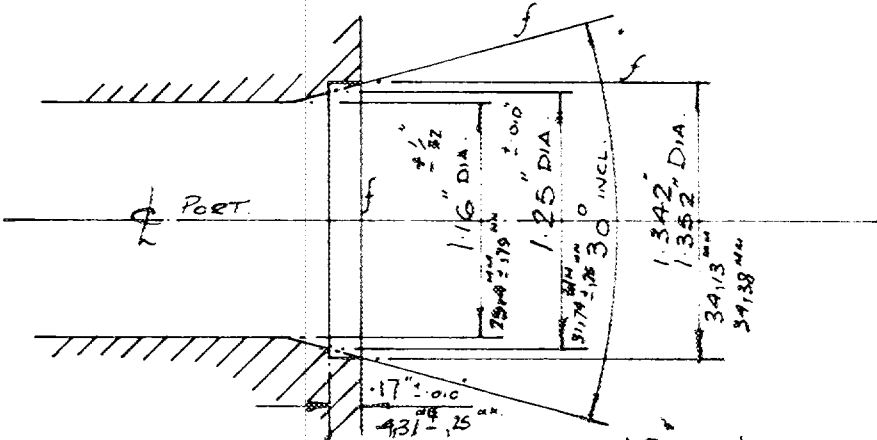
35.71 mm/1.406 ins.

Q

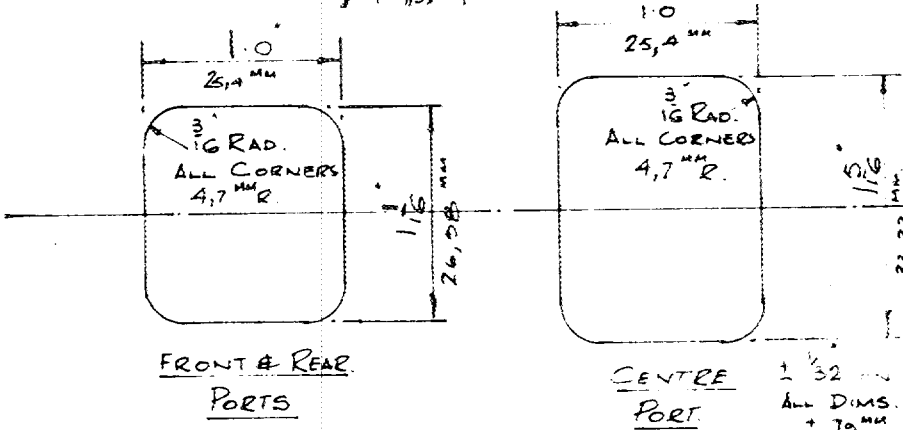
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



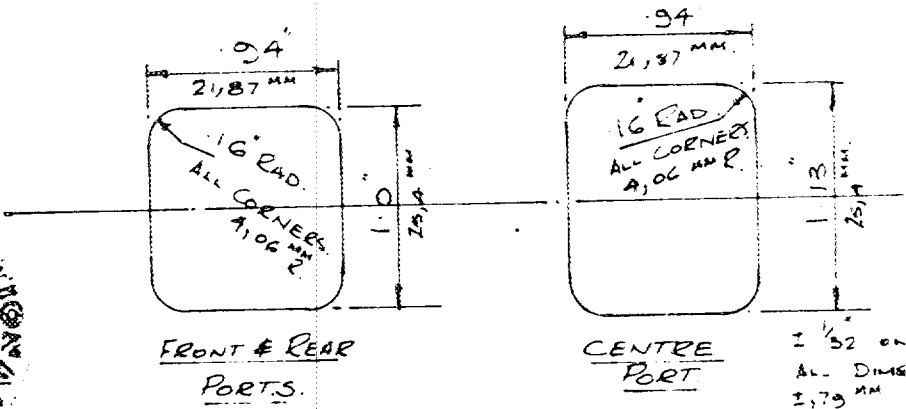
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.

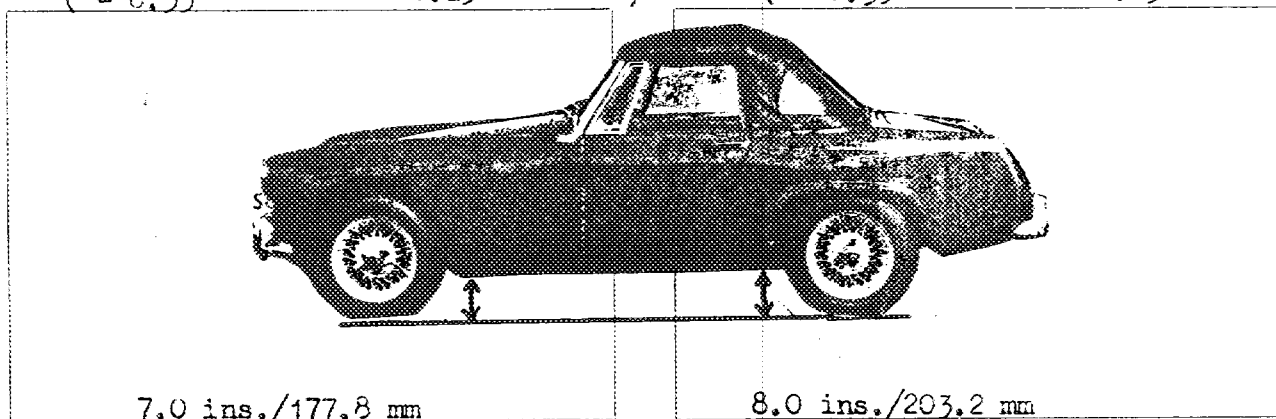


NOTE 1.

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				
	Wire) 1149.35				
	(± 6.35	mm.	0.25	inches	)



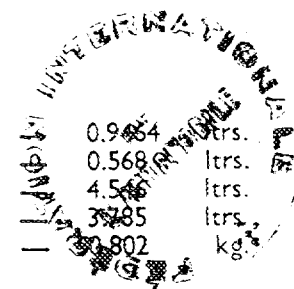
4. Overall length of the car		348.9	cm.	137.4	inches	
5. Overall width of the car	Disc	139.4	cm.	54.9	inches	
	Wire	143.5		56.5		
6. Overall height of the car		123.2	cm.	48.5	inches	
7. Capacity of fuel tank (reserve included)						
	27.24	lters.	7.2	gall. U.S.	6	gall. Imp.
8. Seating Capacity.						
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. ²	1 gallon Imp.
1 cubic inch/pouce cube	—	16.387	cm. ³	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

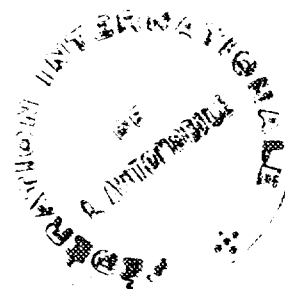
38. Interior heating : ~~yes~~ — no
39. Air conditioning : ~~yes~~ — no
40. Ventilation : ~~yes~~ — no
41. Front seats, type of seat and upholstery Bucket-lea-
cloth
42. Weight of front seat(s), complete with supports and rails, out of the car :
7.91 kg. 17.4 lbs.
43. Rear seats, type of seat and upholstery -
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 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	2	FRONT	1	REAR
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	177.8 mm. 7.0 inches
96. Length of brake linings	mm.	inches	169.6 mm. 6.68 inches
97. Width of brake linings	mm.	inches	31.8 mm. 1.25 inches
98. Number of shoes per brake			2
99. Total area per brake	mm. ²	sq. in.	1077.5 mm. ² 16.7 sq. in.

Disc Brakes

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

ENGINE (photographs J and K)

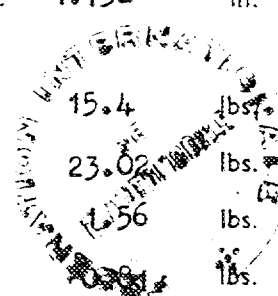
130. Cycle	4 stroke	131. Number of cylinders	4
132. Cylinder Arrangement	In line		
133. Bore	70.63 mm. 2.78 in.	134. Stroke	81.33 mm. 3.20 in.
135. Capacity per cylinder			318.75 cm. ³ 19.45 cu. in.
136. Total cylinder capacity			1275. cm. ³ 77.9 cu. in.
137. Material(s) of cylinder block	Cast iron	138. 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. ³ 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: 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 or	3.98 ltrs. or 7.0 pts.		quarts U.S.
	4.69 ltrs. or 10.33 pts.		
153. Oil cooler: yes/no		154. Method of engine cooling	Pressurised water radiator
155. Capacity of cooling system	5.68 ltrs. 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 mm. 2.002 in.
159. Connecting rod big end, type	Lead indium	dia.	44.52 mm. 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

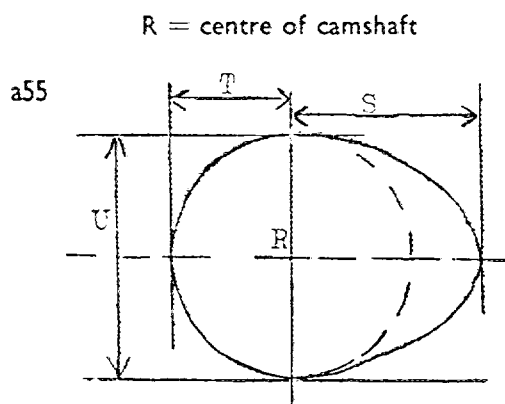
* For additional information concerning two-stroke engines and super-charged engines, see page 12

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

DRIVE TRAIN

CLUTCH

260. Type of clutch **Diaphragm spring** 261. No. of plates **1**
262. Dia. of clutch plates **16.51** cm. **6.5** ins.
263. Dia. of linings, inside **11.43** cm. **4.5** ins.
- outside **16.51** cm. **6.5** ins.
264. Method of operating clutch **Hydraulic via slave cylinder**

GEAR BOX (photograph H)

270. Manual type, make **B.M.C.** Method of operation **Manual remote control**
271. No. of gear-box ratios forward **4** 272. Synchronized forward ratios **2nd. 3rd. 4th.**
273. Location of gear-shift **Central between front 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	3.200	$\frac{26}{20} \times \frac{32}{13}$			2.57	$\frac{23}{22} \times \frac{32}{13}$		
2	1.916	$\frac{26}{20} \times \frac{28}{19}$			1.72	$\frac{23}{22} \times \frac{28}{17}$		
3	1.357	$\frac{26}{20} \times \frac{24}{23}$			1.25	$\frac{23}{22} \times \frac{24}{20}$		
5	1.000				1.000			
6								
reverse	4.120	$\frac{26}{20} \times \frac{18}{13} \times \frac{32}{14}$			2.57	$\frac{23}{22} \times \frac{18}{13} \times \frac{32}{18}$		

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

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 **4.22:1** Number of teeth **9/38**



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.

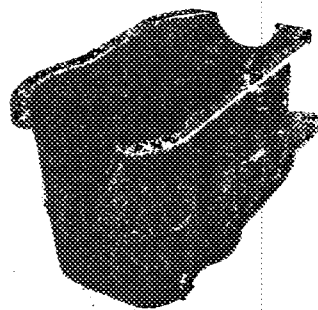
The vehicle described in this form has been subject to the following amendments :

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-AAA.7565
- 51. Weight - 16.0 lbs/7.27 kgs.
- 54. Wire spoke wheel - C-AAA.7573. Rim width - 127.0 mm/5.0 inches
- 292. BMC Limited Slip Differential C-BFA.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:



AUSTIN HEALEY - SPRITE MK IV

MARQUE ET MODELE

7/67

VALIDITÉ HOMOLOGATION

568

FICHE NR.

4

1300

GROUPE / CLASSE

[illegible]

Autres homologations du modèle

Vérifiée le 24/8/95 par [Signature] visée ce jour le _____ par _____

PAG. 44