

F.I.A. Recognition No. 3015

Group 3



ADO4-1/67

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	<u>AUSTIN MOTOR CO. LTD., in association with Donald Healey Motor Company Limited</u>	Cylinder-capacity	<u>1275</u> cm. ³	<u>77.9</u> in. ³
Serial No. of chassis/body	<u>HAN9 or HAN9L</u>	Model	<u>Austin Healey Sprite Mk IV</u>	
Serial No. of engine	<u>12CC</u>	Manufacturer	<u>British Motor Corporation</u>	
Recognition is valid from	<u>1st July 1967</u>	Manufacturer	<u>British Motor Corporation</u>	
The manufacturing of the model described in this recognition form started on	<u>21st September</u>	List	<u>16/4</u>	
and the minimum production of	<u>500</u>			
this form was reached on	<u>12th January</u>		<u>19 67</u>	

Photograph A, ¾ view of car from front



F.I.A. Stamp

Hubert Phour

R.A.C. Stamp



B



int



pen

C

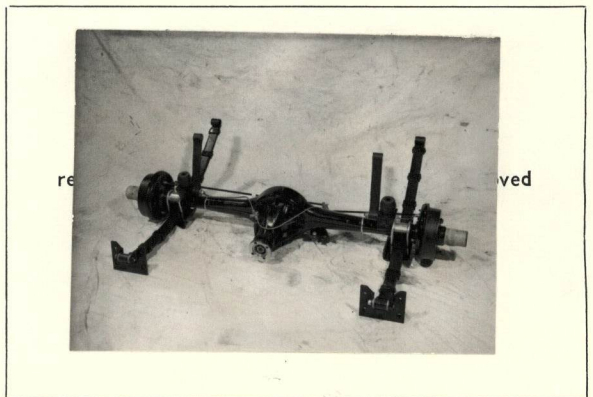
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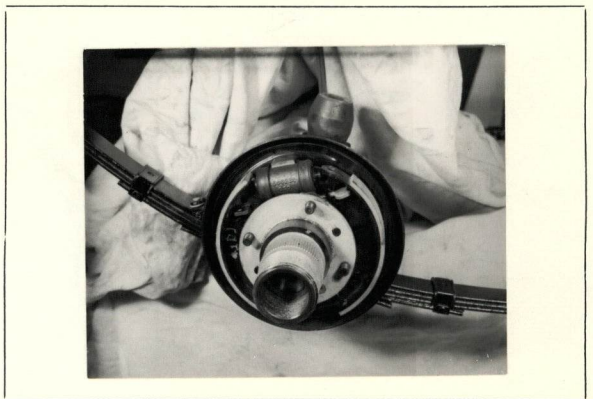
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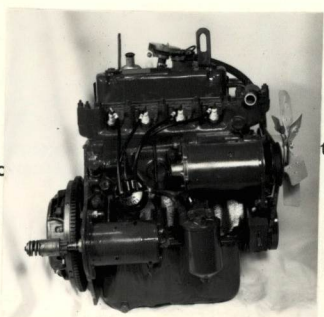


old

I

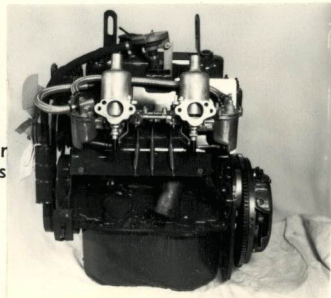
J

engine and accessories



with clutch gear box

engine accessories



clutch and air filter

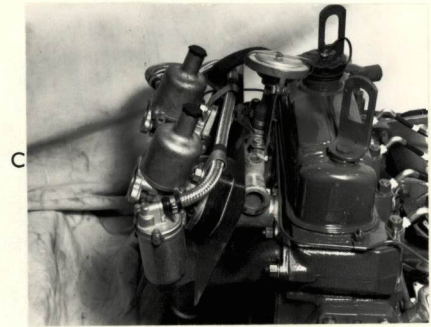
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L

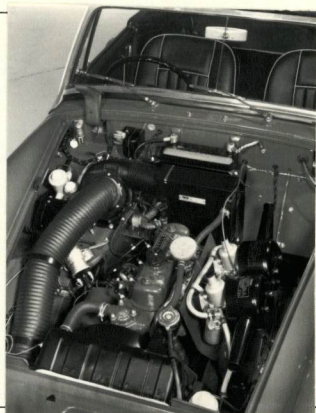


M

N



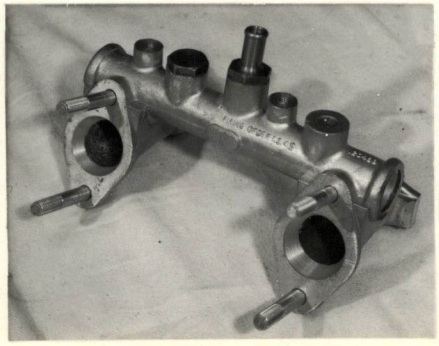
engine



hood open

O

P

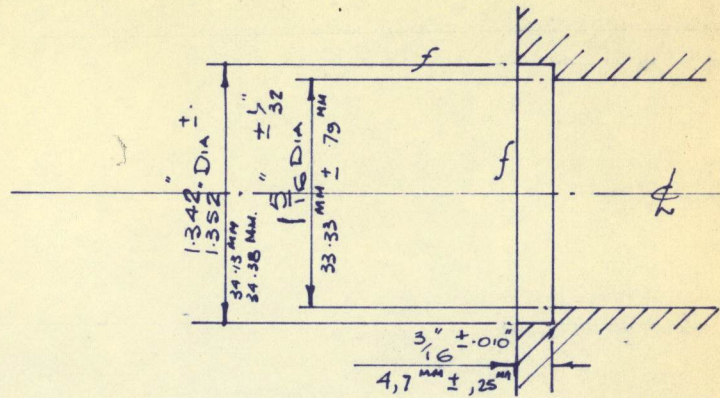


35.71 mm/1.406 ins.

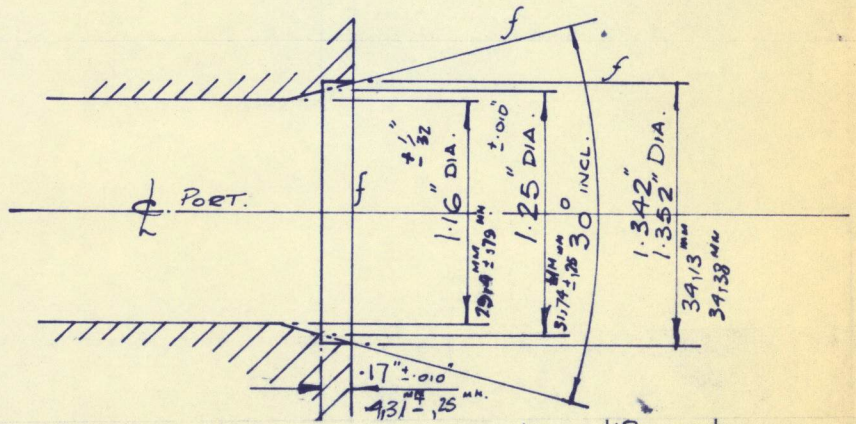
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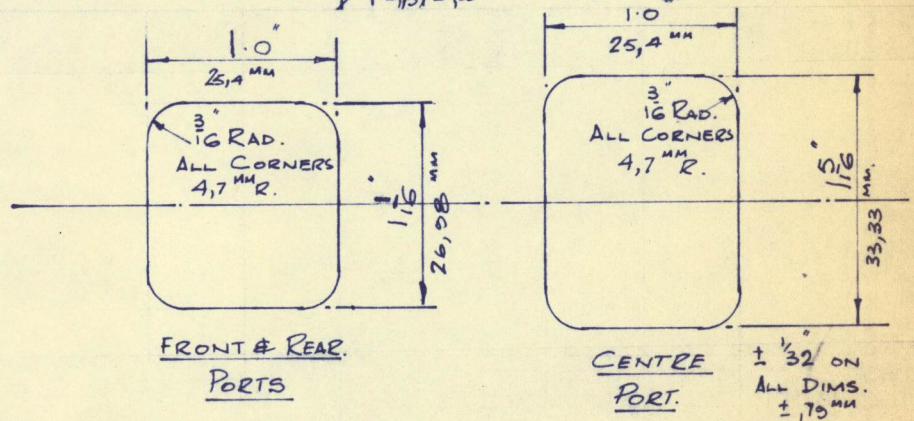
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



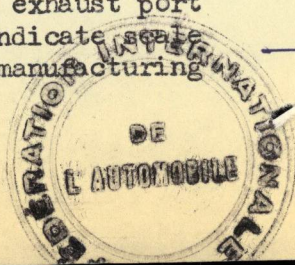
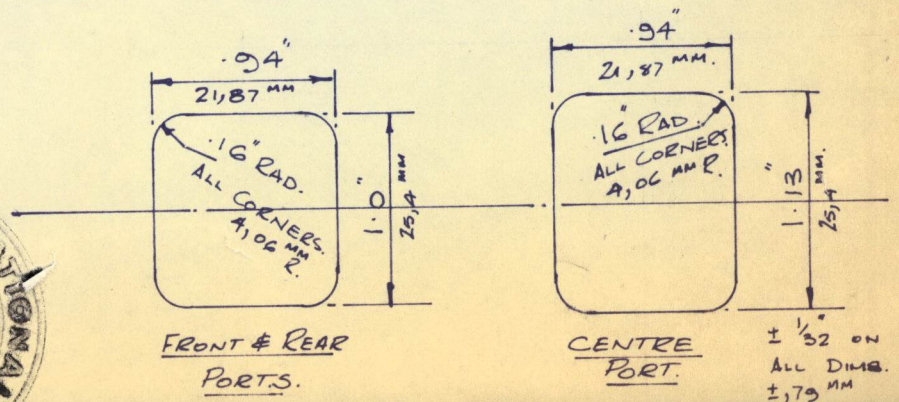
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.

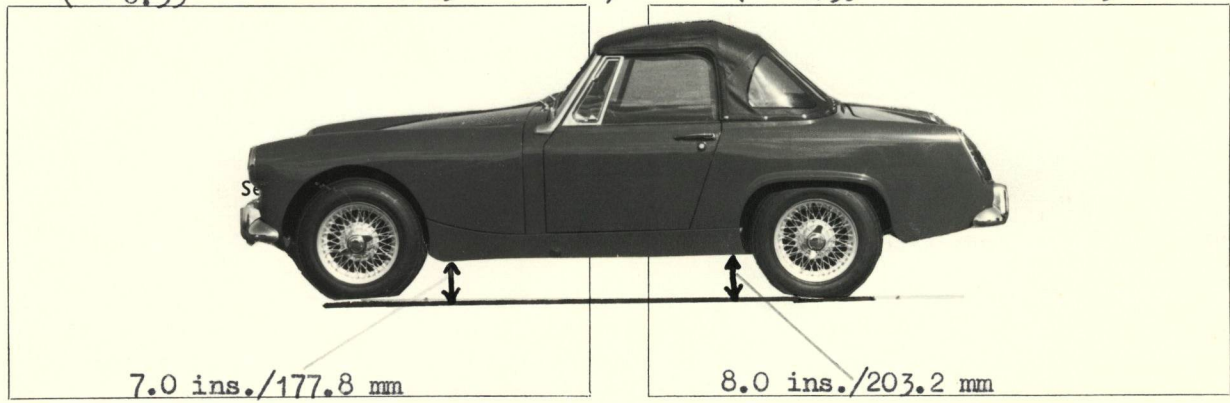


NOTE 1.

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. 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-leather 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**

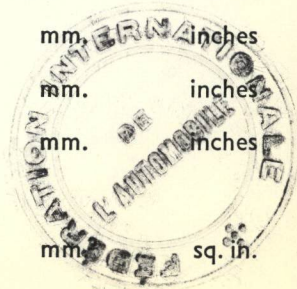
	2	FRONT	1	REAR
93. Number of cylinders per wheel				
94. Bore of wheel cylinder(s)	50.8	mm. 2.0 inches	19.05	mm. 0.75 inches

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. sq. in.



ENGINE (photographs J and K)

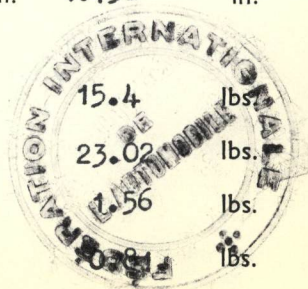
130. Cycle **4 stroke** 131. Number of cylinders **4**
132. Cylinder Arrangement **In line**
133. Bore **70.63** mm. **2.78** in. 134. Stroke **81.33** mm. **3.20** in.
135. Capacity per cylinder **318.75** cm.³ **19.45** cu. in.
136. Total cylinder capacity **1275.** cm.³ **77.9** cu. in.
137. Material(s) 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: ~~mounted~~/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. **or 4.69** ltrs. **or 10.33** pts. quarts U.S.
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** 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.



Make Austin HealeyModel Sprite Mk IVF.I.A. Rec. No. 3015FOUR 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 mm. ins.

* For additional information concerning two-stroke engines and super-charged engines, see page 1.

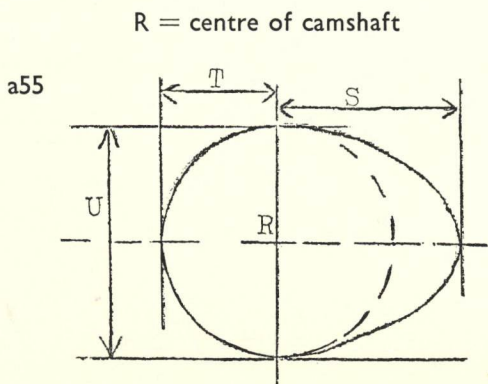


ENGINE ACCESSORIES

- 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**

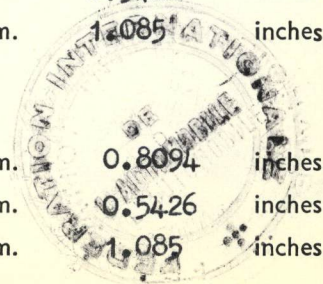


Inlet cam

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								
4	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	$\frac{26}{20} \times \frac{18}{15} \times \frac{32}{14}$			2.57	$\frac{23}{22} \times \frac{18}{15} \times \frac{32}{18}$		

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-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:



26 JUN 1967

OPTIONAL - The contents of the car with the following items of the passenger condition form is to be included only if the information when the vehicle has been entered in group 1 (Team) or 2 (Group) form is not sufficient to identify the vehicle. The following information should be included:

The vehicle has been in this form in the following equipment:

- on 19 list on list
- on 19 list on list
- on 19 list on list
- on 19 list on list
- on 19 list on list

Optional equipment relating to coding information. This to be stated together with reference number.

- 1. Identification (all items - 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100)
- 2. Tire groove wheel - 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
- 3. Tire groove wheel - 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
- 4. Tire groove wheel - 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

15. Photograph of wheel





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

Manufacturer..... British Leyland
Model..... Austin Healey Sprite
F.I.A. Recognition No. ~~3015~~ ^{WK IV} 3015
Amendment No. 1/1E 1/2

Amendment to Form of Recognition

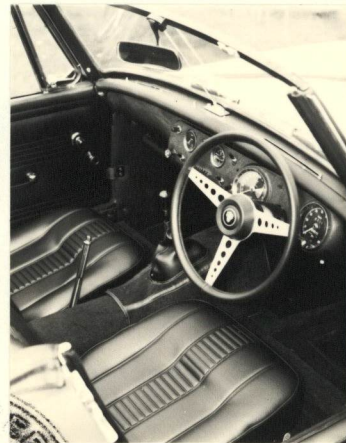
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

Evolution - Group 1

Austin Sprite (1970) - Chassis No. HAN10



Date amendment is valid from 1/1/70



Stamp of F.I.A./R.A.C.



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

Manufacturer..... British Leyland
Model..... Austin Healey Sprite
F.I.A. Recognition No. ~~.....~~ ^{Mk. IV} 3015
Amendment No. 1/1E 2/2

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

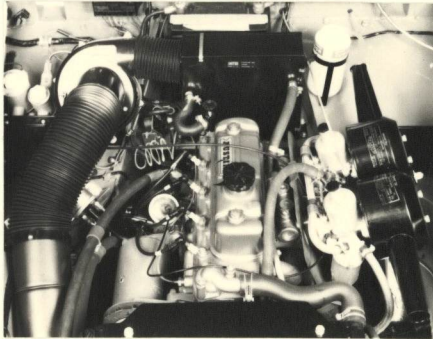
No.

Reference No.

Evolution - Group 1

Austin Sprite (1970) - Chassis No. HAN10

- 50. Road wheel (Rostyle)
- 51. 17.0 lbs./7.70 kg.
- 53. 13.0 inches/330.2 mm
- 54. 4.5 inches/114.3 mm



Date amendment is valid from..... 1/1/70



Stamp of F.I.A./R.A.C.