

ADO 15A/66

5027
Series Prod
Touring

ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1.

FISA - Transfert en Gr.A

Form of recognition in accordance with
Appendix J to the International Sporting Code of the

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Cylinder-capacity... 848 cm³... 51.7 in³

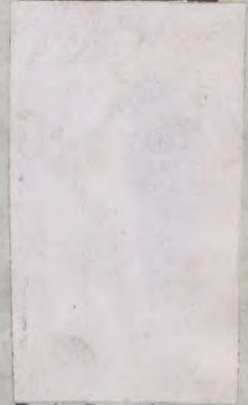
Manufacturer. Austin Motor Company Limited Model..... Austin Mini
 Serial No. of chassis... A/A2S7 Manufacturer. British Motor Corporation
 engine... 8AM Manufacturer. British Motor Corporation
 Recognition is valid from... 1/1/1966 List.....

The manufacturing of the model described in this recognition form was started on
... 30.9.1964 and the minimum production of 5000 identical cars,
in accordance with the specifications of this form was reached on 31.10.1964

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



F.I.A. Stamp



R.A.C. Stamp

A large, stylized blue ink signature or stamp, partially overlapping the circular F.I.A. logo.



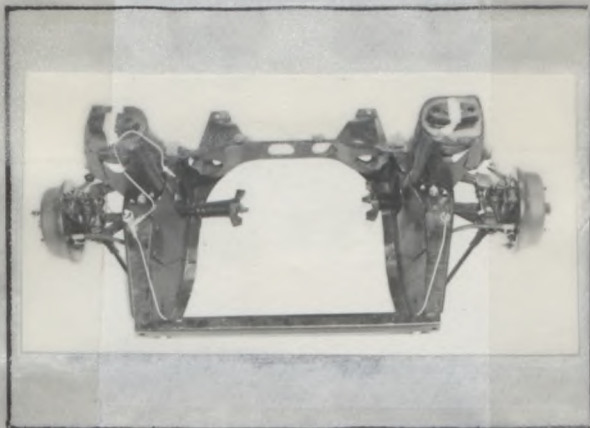
Make Austin

Model Austin Mini

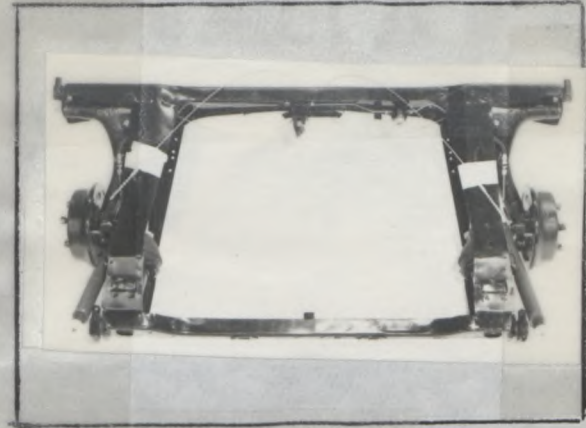
F.I.A. Rec.no.



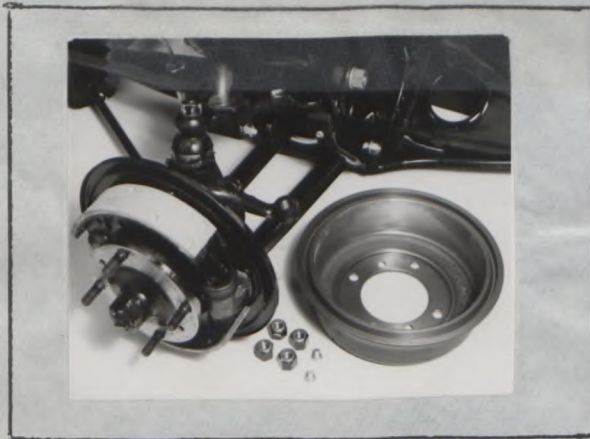
C



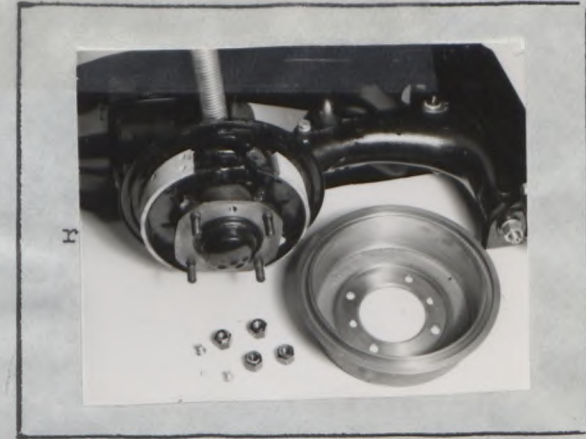
D



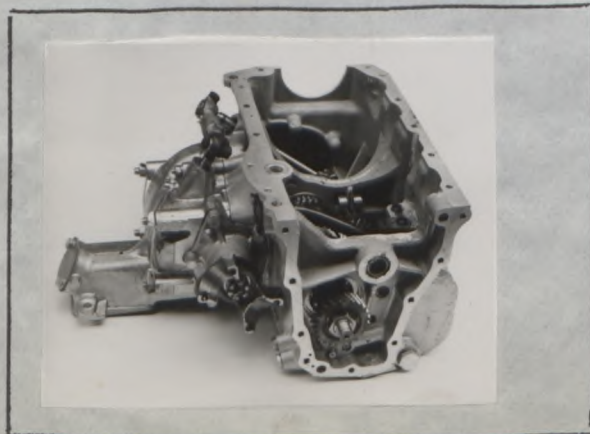
E



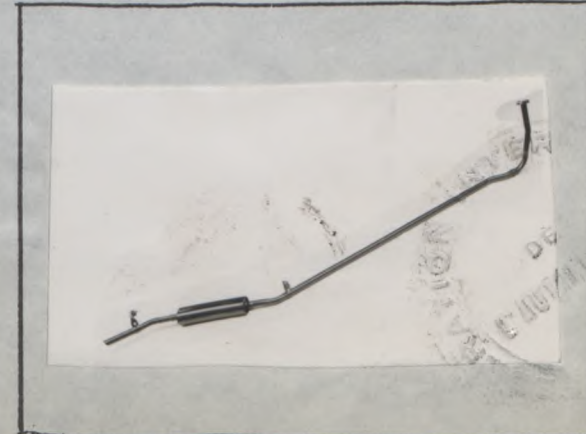
F



G



H



I

Make Austin

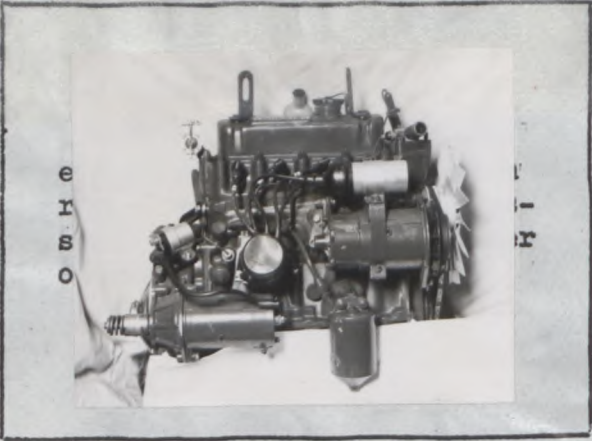
Model Austin Mini

F.I.A. Rec.no.

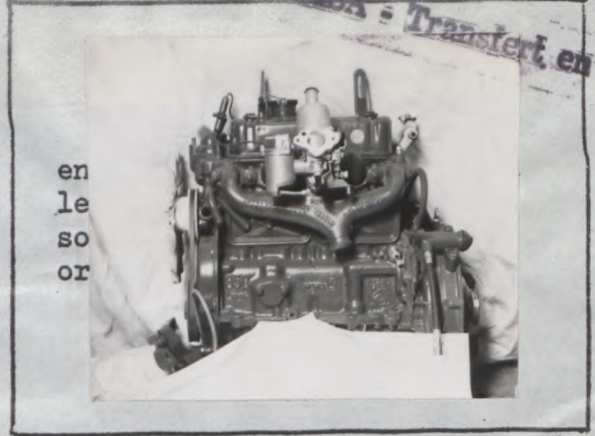
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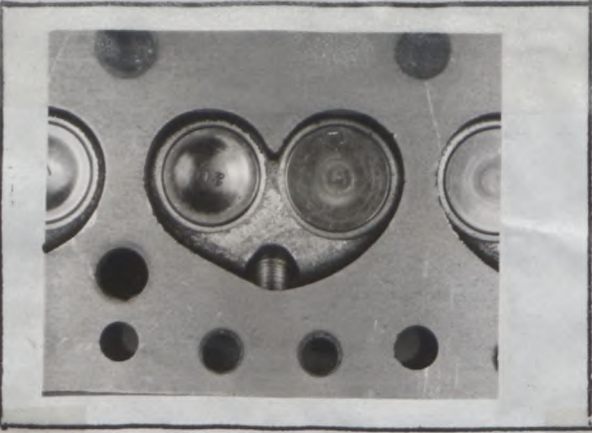


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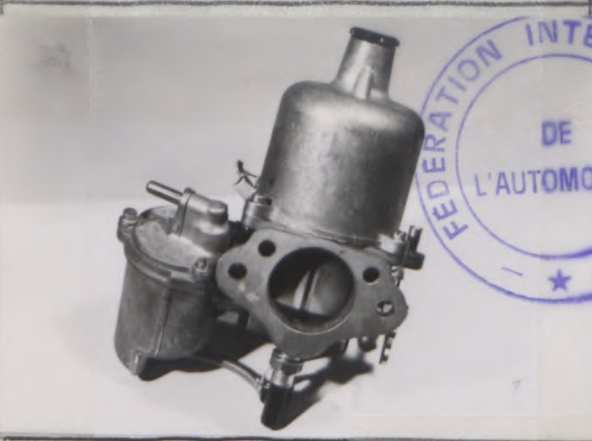
L



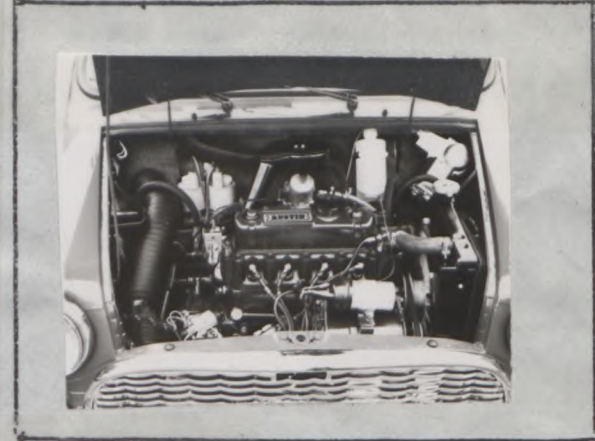
M



N



O



P

inlet manifold



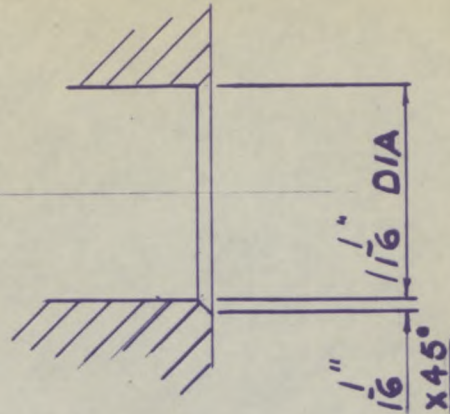
manifold

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

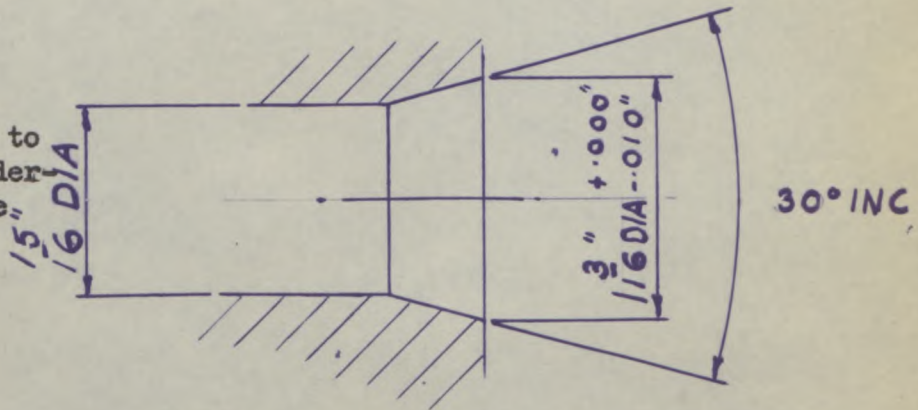
Q

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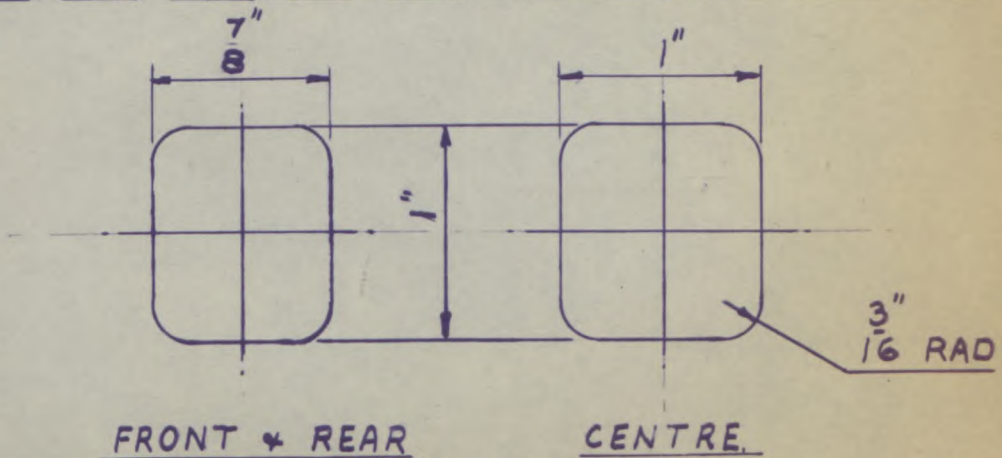
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



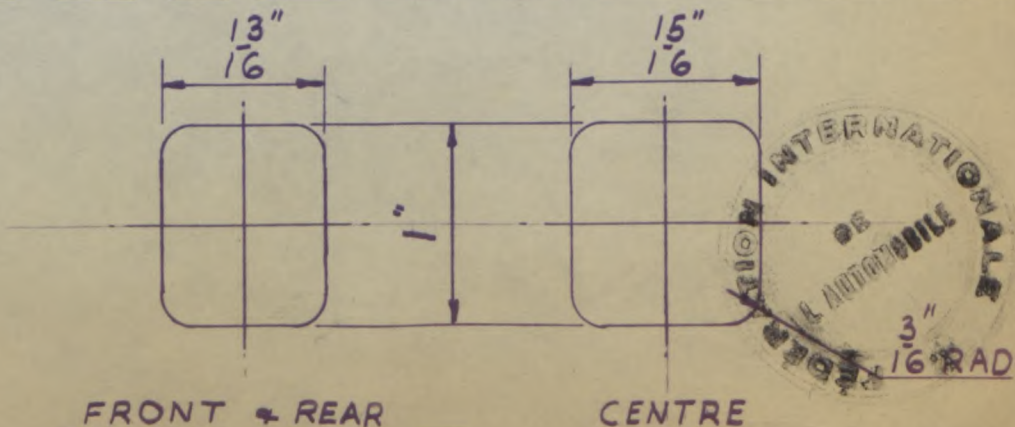
Drawing of entrance to inlet port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



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. TOL. $\pm .010$ "



Make Austin

Model Austin Mini

F.I.A. Rec. No. _____

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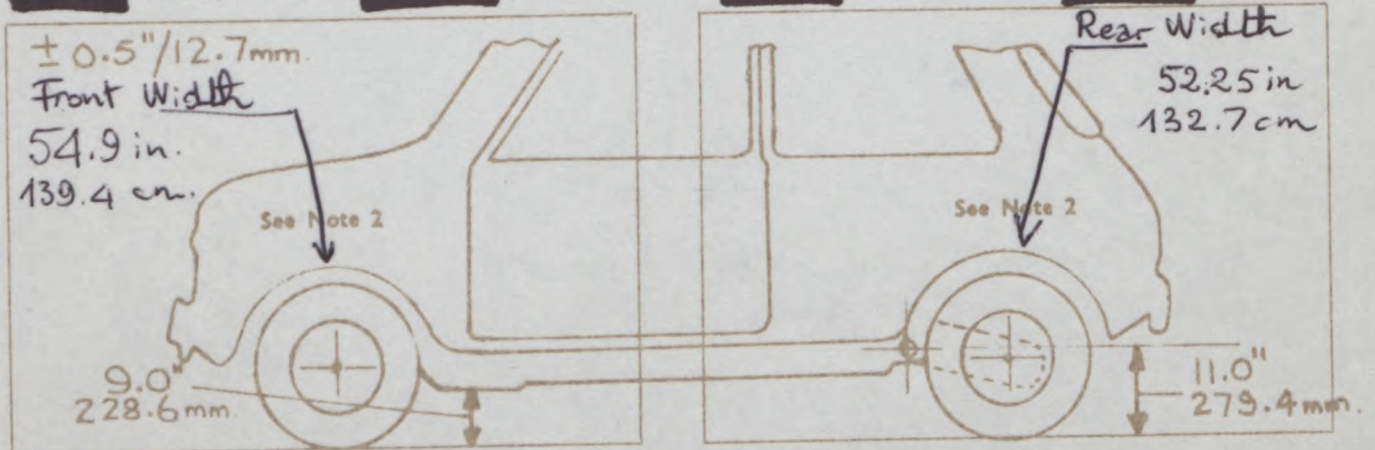
NOTE 1.

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

CAPACITIES AND DIMENSIONS

- | | | |
|---|--|--------------|
| 1. Wheelbase | 2036.0 mm. | 80.15 inches |
| 2. Front track (± 6.35 mm / 0.25") | 3. Rear track (± 6.35 mm / 0.25") | |

1217.7 mm.	47.9 inches	1177 mm.	46.37 inches
-------------------	--------------------	-----------------	---------------------



- | | | | | |
|--|-----------|---------------|-----|------------|
| 4. Overall length of the car | 305.5 cm. | 120.25 inches | | |
| 5. Overall width of the car | 141.0 cm. | 55.5 inches | | |
| 6. Overall height of the car | 135.0 cm. | 53.0 inches | | |
| 7. Capacity of fuel tank (reserve included) | 25 ltrs. | gall. U.S. | 5.5 | gall. Imp. |
| 8. Seating Capacity. | 4 | | | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | 606 kg. | 1334.0 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	— 0.9464	lters.
1 foot/pied	— 30.4794	cm.	1 pint (pt)	— 0.568	lters.
1 sq. inch/pouce carre	— 6.452	cm. ²	1 gallon Imp.	— 4.546	lters.
1 cubic inch/pouce cube	— 16.387	cm. ³	1 gallon US	— 3.785	lters.
1 pound/livre (lb)	— 453.593	gr.	1 hundred weight (cwt.)	— 50.802	kg.

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CHASSIS AND COACHWORK (Photographs A, B and C)

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20. Chassis/body construction : ~~separate~~ / unitary construction
21. Unitary construction, material(s) Steel

SEPARATE CONSTRUCTION - MATERIALS

22. Chassis 23. Coachwork
24. Number of doors 2 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
31. Sliding system of door windows ~~vertical winding~~ vertical winding
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:

7.27 kg. 16.0 lbs.

43. Rear seats, type of upholstery Leathercloth
44. Front bumper, material(s) Steel Weight 2.15 kg. 4.75 lbs.
45. Rear bumper, material(s) Steel Weight 2.15 kg. 4.75 lbs.

WHEELS

50. Type Ventilated disc
51. Weight (per wheel, without tyre) 3.175 kg. 7.0 lbs.
52. Method of attachment 4 studs
53. Rim diameter 254.0 mm. 10.0 ins.
54. Rim width 88.9 mm. 3.5 ins.

STEERING

60. Type Rack & Pinion
61. Servo-assistance : ~~yes~~ - no
62. Number of turns of steering wheel from lock to lock 2.33
63. In case of servo-assistance.



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SUSPENSION

- 70. Front suspension (photograph D), type Independent
- 71. Type of spring ~~XXXXXXXXXXXXXXXXXXXX~~ Rubber cone
- 72. Stabiliser (if fitted) Hydraulic Telescopic
- 73. Number of shock absorbers 2 74. Type ~~XXXXXXXXXXXXXXXXXXXX~~
- 78. Rear suspension (photograph E), type Independent
- 79. Type of spring ~~XXXXXXXXXXXXXXXXXXXX~~ Rubber cone
- 80. Stabiliser (if fitted) Hydraulic Telescopic
- 81. Number of shock absorbers 2 82. Type ~~XXXXXXXXXXXXXXXXXXXX~~

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	23.8	2	19.05	1
94. Bore of wheel cylinder(s)	XXXXXXXX	0.937 inches	XXXXXXXX	0.75 inches
Drum Brakes				
95. Inside diameter	177.8	mm. 7.0 inches	177.8	mm. 7.0 inches
96. Length of brake linings	171.5	mm. 6.75 inches	171.5	mm. 6.75 inches
97. Width of brake linings	38.1	mm. 1.5 inches	31.75	mm. 1.25 inches
98. Number of shoes per brake	2	mm. inches	2	mm. inches
99. Total area per brake	13070.0	mm2 20.25 sq.in.	10840.0	mm2 16.8 sq.in.
Disc Brakes				
100. Outside diameter		mm. inches		mm. inches
101 Thickness of disc		mm. inches		mm. inches
102 Length of brake linings		mm. inches		mm. inches
103 Width of brake linings		mm. inches		mm. inches
104 Number of pads per brake				
105 Total area per brake		mm2 sq.in.		mm2 sq.in.



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Model Austin Mini

F.I.A. Rec.no.

ENGINE (photographs J and K)

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130. Cycle	4 stroke	131. Number of cylinders	4
132. Cylinder Arrangement	In line		
133. Bore	62.94 mm. 2.478 in.	134. Stroke	68.26 mm. 2.687 in.
135. Capacity per cylinder			212.0 cm ³ 12.93 cu.in.
136. Total cylinder capacity			848.0 cm ³ 51.7 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	8.3:1		
143. Volume of one combustion chamber		24.5 cm ³	1.49 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		38.05 mm.	1.498 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	Pressurised water
155. Capacity of cooling system	3.5 ltrs.	6.25 pts.	quarts U.S.
156. Cooling fan (metal ^{Plastic}) dia.		26.51 cm.	10.44 in.
157. Number of blades of cooling fan	11		

Bearings

158. Crankshaft main, type		Dia. 44.46/44.47 mm.	1.7505/1.751 in.
159. Connecting rod, big end		Dia. 40.88/40.89 mm.	1.6254/1.6259 in.

Weights

160. Flywheel (clean)		7.64 kg.	16.812 lbs.
161. Flywheel with clutch (all turning parts).		11.56 kg.	25.44 lbs.
162. Crankshaft	8.52 kg. 18.75 lbs.	163. Connecting rod	0.69kg. 1.53 lbs.
164. Piston with rings and pin		0.28kg.	0.625 lbs.

Date Austin

Model Austin Mini

F.I.A. Rec.no.

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FOUR STROKE ENGINES

- 170. Number of camshafts 1
- 171. Location Cylinder block
- 172. Type of camshaft drive Roller chain
- 173. Type of valve operation OHV pushrod
- INLET (see page 4)*
- 180. Material(s) of inlet manifold Cast iron
- 181. Diameter of valves 27.8 mm. 1.09 ins.
- 182. Max. valve lift 7.14 mm. 0.28 in.
- 183. Number of valve springs 1
- 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 Cast iron
- 196. Diameter of valves 25.4 mm. 1.00 ins.
- 197. Max. valve lift 7.14 mm. 0.28 in.
- 198. Number of valve springs 1
- 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) 40° BBDC
- 203. Valves close at (with tolerance for tappet clearance indicated) 10° ATDC

CARBURETION (photograph N)

- 210. Number of carburettors fitted 1
- 211. Type [REDACTED] *Swing needle*
- 212. Make S.U.
- 213. Model HS 4
- 214. Number of mixture passages per carburettor 1 38.1 1.5
- 215. Flange hole diameter of exit port(s) of carburettor [REDACTED] mm. [REDACTED] ins.
- 216. ~~Minimum diameter of venturi~~/minimum diam, with piston at maximum height 30.94 [REDACTED] mm. [REDACTED] ins. 1,218

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.

Make Austin

Model Austin Mini

F.I.A. Rec.no.

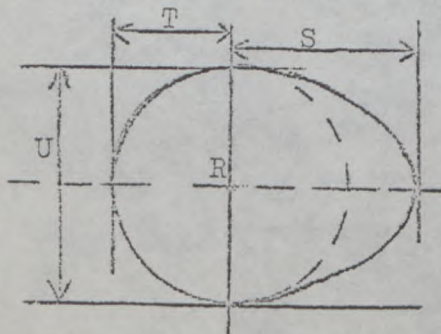
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ENGINE ACCESSORIES

- 230. Fuel pump : ~~mechanical and/or electric~~. *Mechanical S.U.*
- 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 1
- 236. Generator, ^{Type Alternator} number fitted 1
- 237. Method of drive **Wedge belt**
- 238. Voltage of generator 12 volts.
- 239. Battery, number 1
- 240. Location **Luggage compartment**
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output [redacted] (type of horsepower: [redacted]) at [redacted] rpm
- 251. Max. rpm [redacted] output at that figure
- 252. Max torque [redacted] at [redacted] rpm
- 253. Max speed of the car [redacted] km/hour [redacted] miles/hour



R = centre of camshaft.

Inlet cam

S = 20.57	mm.0.810	inches
T = 14.53	mm.0.572	inches
U = 29.06	mm.1.144	inches

Exhaust cam

S = 20.57	mm.0.810	inches
T = 14.53	mm.0.572	inches
U = 29.06	mm.1.144	inches

Make Austin Model Austin Mini F.I.A. Rec.no.

DRIVE TRAIN

CLUTCH

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260. Type of clutch Diaphragm spring 261. No of plates 1
 262. Dia. of clutch plates 18.0 cm. 7.125 ins..
 263. Dia. of linings, inside 13.34 cm. 5.25 ins.
 outside 18.0 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 4
 273. Location of gear-shift Central in front of seats
 274. Automatic, make type
 275. No. of forward ratios 276. Location of gear shift

277.	MANUAL		ALTERNATIVE MANUAL	
	Ratio	No. Teeth	Ratio	No. Teeth
1.	3.52	$\frac{29}{17} \times \frac{31}{15}$	2.543	$\frac{25}{19} \times \frac{29}{15}$
2.	2.21	$\frac{29}{17} \times \frac{26}{20}$	1.73	$\frac{25}{19} \times \frac{25}{19}$
3.	1.43	$\frac{29}{17} \times \frac{21}{25}$	1.257	$\frac{25}{19} \times \frac{22}{23}$
4.	1.0:1		1.0:1	
Reverse	3.54	$\frac{29}{17} \times \frac{17}{15} \times \frac{33}{18}$	2.69	$\frac{25}{19} \times \frac{18}{15} \times \frac{29}{17}$

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 3.765:1 4.133:1
 Number of teeth 64/17 62/15



Make Austin

Model Austin Mini

F.I.A. Rec.No.

IMPORTANT - The conformity of the car with the following items ~~FISA~~ 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.



Alternator



Fuel Pump





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

Manufacturer..... British Leyland
Model..... Austin Mini
F.I.A. Recognition No. 5027
Amendment No. **8/4v-**

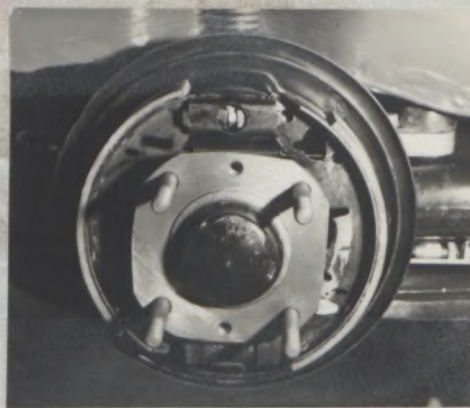
FISA - Transfert en Gr.A

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.
1.

Reference No.
Brakes



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

	FRONT		REAR	
93. No. of cylinders per wheel	2		1	
94. Bore of wheel cylinder(s)	44.45 %	1.75"	15.875 %	0.625"
<u>Drum Brakes</u>				
95. Inside diameter			177.8 %	7.0"
96. Length of brake linings			171.5 %	6.75"
97. Width of brake linings			31.75 %	1.25"
98. No. of shoes per brake			2	
99. Total area per brake			10887.0 %	16.8sq.in

Disc Brakes

100. Outside diameter		190.5 %	7.5"
101. Thickness of disc		9.52 %	0.375"
102. Length of brake linings	approx.	69.85 %	2.75"
103. Width of brake linings	approx.	42.85 %	1.68"
104. No. of pads per brake		2	
105. Total area per brake		5575.0 %	8.64sq.in

Date amendment is valid from **1/1/71**

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



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

AUSTIN MINI

MARQUE ET MODELE

1/82

VALIDITE HOMOLOGATION

5027 TR

FICHE NR.

A / 850

GROUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES
8/4V	1/82	FREIN <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	

Autres homologations du modèle 5027 groupe 1

Vérifiée le 05/10/95 par [Signature] visée ce jour le _____ par _____