

F.I.A. Recognition No. 5324

Group 1



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 British Leyland Motor Corporation Cylinder-capacity 1485 cm.³ 90.61 in.³
 Model Austin Maxi
 Serial No. of chassis/body AH5SB Manufacturer British Leyland (Austin-Morris) Ltd.
 Serial No. of engine 14H Manufacturer British Leyland (Austin-Morris) Ltd.
 Recognition is valid from 1/1/70 List 70/1

The manufacturing of the model described in this recognition form started on 5th October, 1968
and the minimum production of 5000 identical cars, in accordance with the specifications of
this form was reached on 31st March, 1969.

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



F.I.A. Stamp



R.A.C. Stamp



B



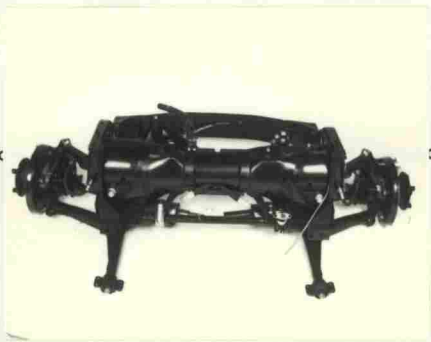
interior



door (open)

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out

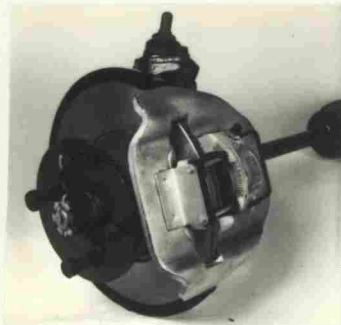
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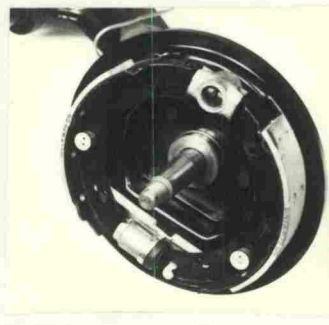
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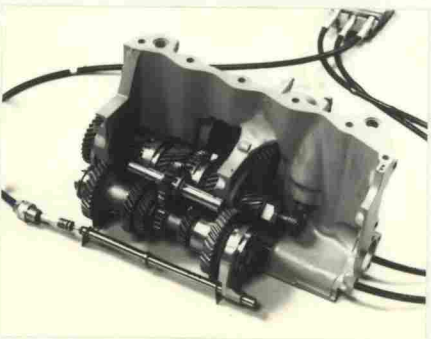
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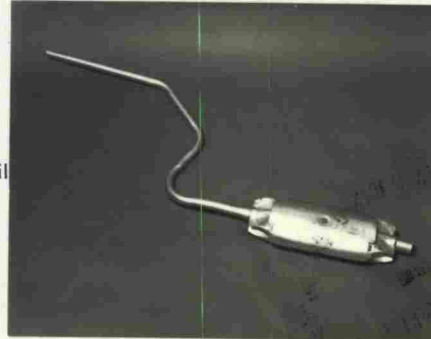
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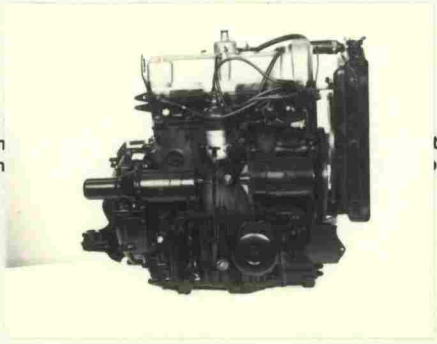
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I

REPRODUCTION PROHIBITED

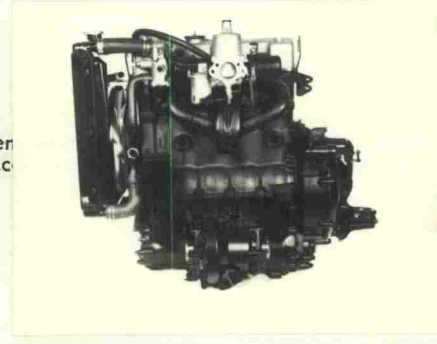
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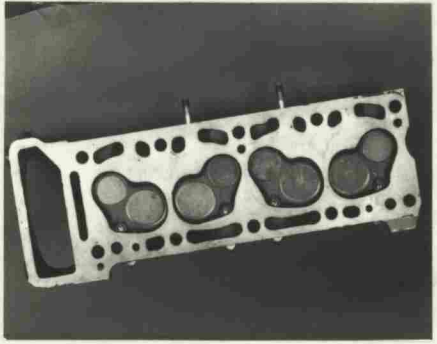
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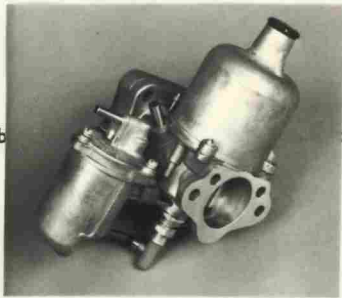


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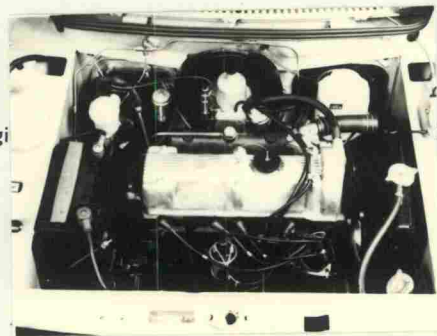
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Carb



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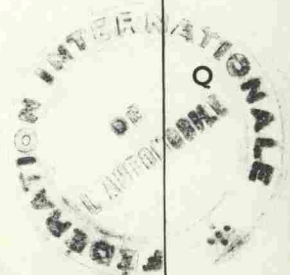
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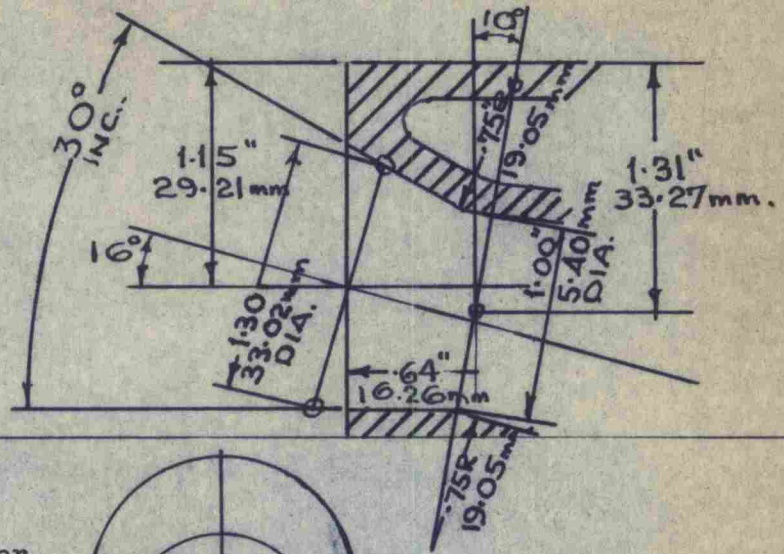
inlet manifold



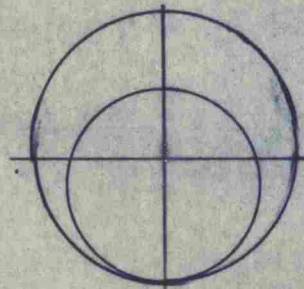
exhaust manifold



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



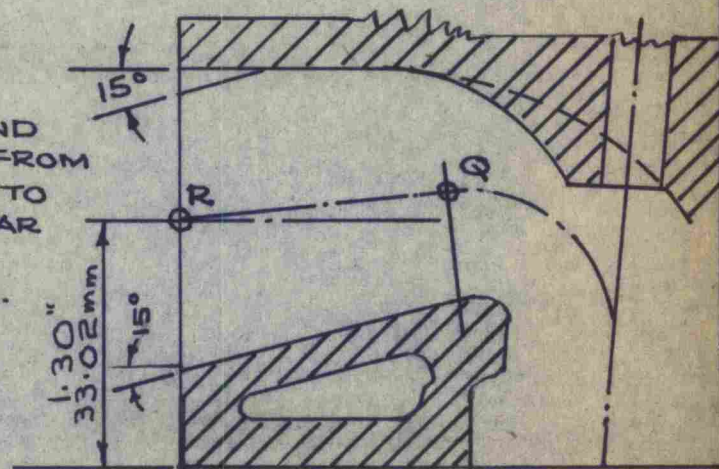
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



FULL SCALE.
 $\pm .03$ / $\pm .76$ mm ON ALL DIMENSIONS.

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

PORTS BLEND SMOOTHLY FROM ELLIPTICAL TO RECTANGULAR BETWEEN POINTS Q & R.

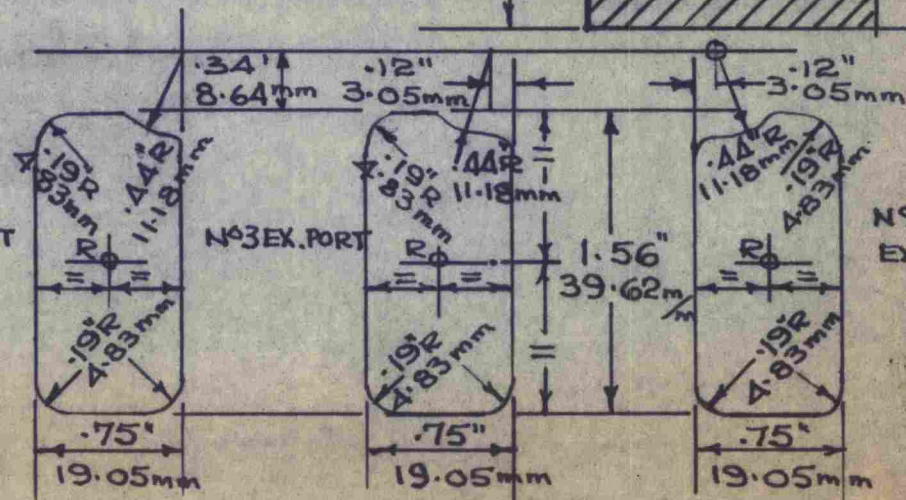


No 1 EX. PORT

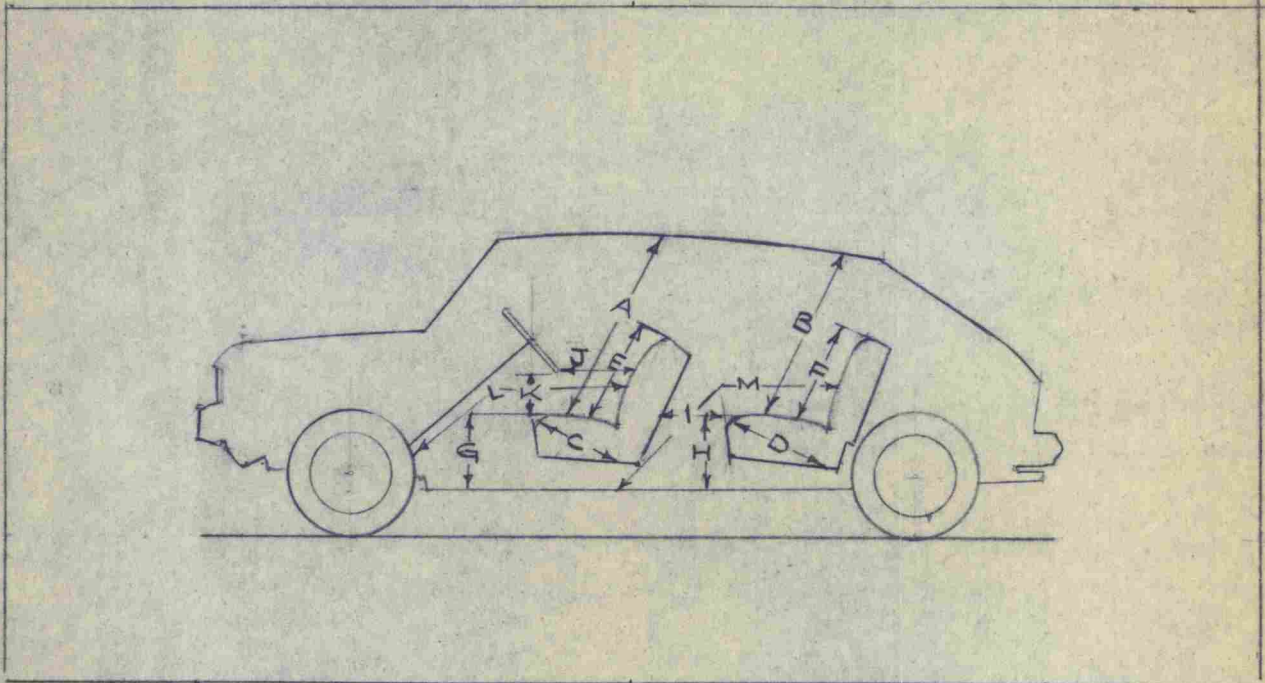
No 3 EX. PORT

No 2 & 4 EX. PORTS

Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



Make: Austin Model: Maxi F.I.A. Rec. No:



A - 37.5 inches/95.3 cm

B - 35.0 inches/88.9 cm

C - 18.0 inches/45.7 cm

D - 18.0 inches/45.7 cm

E - 19.0 inches/48.3 cm

F - 21.0 inches/53.3 cm

G - 13.5 inches/34.3 cm

H - 13.0 inches/33.0 cm

I - max. - 17.25 inches/43.8 cm

I - min. - 10.25 inches/26.1 cm

J - 12.0 inches/30.5 cm

K - 7.0 inches/17.8 cm

L - max. - 46.0/116.8 cm

L - min. - 40.0 inches/101.6 cm

M - 44.0 inches/111.8 cm



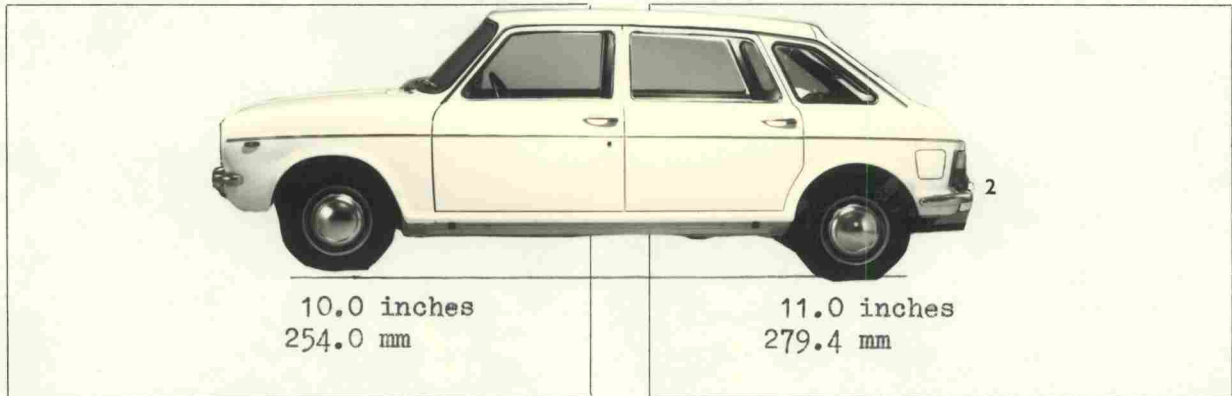
Make Austin Model Maxi F.I.A. Rec. No.

NOTE 1.

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

CAPACITIES AND DIMENSIONS

- | | | | | |
|----------------|--------|-----|--------|--------|
| 1. Wheelbase | 2640 | mm. | 103.9 | inches |
| 2. Front track | 1367.0 | mm. | 53.8 | inches |
| | | | 1352.0 | mm. |
| | | | 53.2 | inches |



- | | | | | |
|--|-------|-------|------------|------------|
| 4. Overall length of the car | 402.1 | cm. | 158.3 | inches |
| 5. Overall width of the car | 162.8 | cm. | 64.1 | inches |
| 6. Overall height of the car | 140.4 | cm. | 55.28 | inches |
| 7. Capacity of fuel tank (reserve included) | 45.5 | ltrs. | gall. U.S. | 10.0 |
| | | | | gall. Imp. |
| 8. Seating Capacity. | 5 | | | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | 927.9 | kg. | 2044.0 | lbs. |
| | | | 18.25 | 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	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.

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
- 23. Material(s) of coachwork Steel
- 24. Number of doors 4 Material(s) Steel
- 25. Material(s) of bonnet Steel
- 26. Material(s) of boot lid Steel
- 27. Material(s) of rear-window Safety glass
- 28. Material(s) of windscreen Safety glass
- 29. Material(s) of front-door windows Safety glass
- 30. Material(s) of rear-door windows Safety glass
- 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 PVC - reclining
- 42. Weight of front seat(s), complete with supports and rails, out of the car :

	9.98	kg.	22.0	lbs.
--	------	-----	------	------
- 43. Rear seats, type of seat and upholstery PVC - Bench
- 44. Front bumper, material(s) Steel Weight 5.44 kg. 12.0 lbs.
- 45. Rear bumper, material(s) Steel Weight 4.54 kg. 10.0 lbs.

WHEELS

- 50. Type Pressed disc
- 51. Weight (per wheel, without tyre) 6.8 kg. 15.0 lbs.
- 52. Method of attachment 4 studs & nuts
- 53. Rim diameter 330.2 mm. 13.0 ins. 54. Rim width 114.3 mm. 4.5 ins.

STEERING

- 60. Type Rack and pinion
- 61. Servo-assistance : yes — ~~no~~
- 62. Number of turns of steering wheel from lock to lock 3.9
- 63. In case of servo-assistance



Make AUSTIN

Model MAXI

F.I.A. Rec. No.

SUSPENSION

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

BRAKES (photographs F and G)

- 90. Method of operation Hydraulic
- 91. Servo-assistance (if fitted), type Direct acting

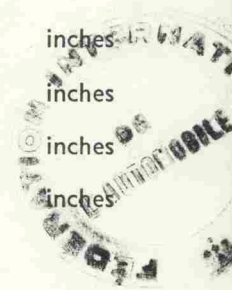
92. Number of hydraulic master cylinders	1	FRONT		1 REAR	
93. Number of cylinders per wheel	1				
94. Bore of wheel cylinder(s)	48.06	mm.	1.89	inches	17.78 mm. 0.7 inches

Drum Brakes

95. Inside diameter		mm.		inches	203.0 mm. 8.0 inches
96. Length of brake linings		mm.		inches	mm. inches
97. Width of brake linings		mm.		inches	38.0 mm. 1.50 inches
98. Number of shoes per brake					2
99. Total area per brake		mm. ²		sq. in.	24258 mm. ² 37.6 sq. in.

Disc Brakes

100. Outside diameter	245.8	mm.	9.68	inches	mm. inches
101. Thickness of disc	9.65	mm.	0.38	inches	mm. inches
102. Length of brake linings	60.96	mm.	2.4	inches	mm. inches
103. Width of brake linings	48.26	mm.	1.9	inches	mm. inches
104. Number of pads per brake					2
105. Total area per brake	5613	mm. ²	8.7	sq. in.	mm. ² sq. in.



Make AUSTIN

Model MAXI

F.I.A. Rec. No.

ENGINE (photographs J and K)

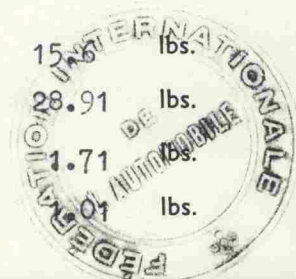
130. Cycle 4 stroke
131. Number of cylinders 4
132. Cylinder Arrangement In line
133. Bore 76.2 mm. 3.00 in.
134. Stroke 81.28 mm. 3.2 in.
135. Capacity per cylinder 371.25 cm.³ 22.67 cu. in.
136. Total cylinder capacity 1485. cm.³ 90.61 cu. in.
137. Material(s) of cylinder block Cast iron
138. Material(s) of sleeves (if fitted)
139. Cylinder head, material(s) Cast iron
- Number fitted 1
140. Number of inlet ports 4
141. Number of exhaust ports 4
142. Compression ratio 9.0:1
143. Volume of one combustion chamber 39.0/40.0 cm.³ 2.38/2.44 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 42.95/43.05 mm. 1.691/1.695 in.
147. Crankshaft: ~~moulded~~/stamped
148. Type of crankshaft: integral/.....
Yes
149. Number of crankshaft main bearings 5
150. Material of bearing cap Cast iron
151. System of lubrication: ~~dry sump~~/oil in sump
152. Capacity, lubricant 5.4 ltrs. 9.5 pts. quarts U.S.
153. Oil cooler: yes/no
154. Method of engine cooling Pressurised water
155. Capacity of cooling system 5.1 ltrs. 9.0 pts. quarts U.S.
156. Cooling fan (if fitted) dia. cm. 11.5 in.
157. Number of blades of cooling fan 11

Bearings

158. Crankshaft main, type Thinwall dia. 57.25 m.m. 2.25 in.
159. Connecting rod big end, type Thinwall dia. 47.73 m.m. 1.878 in.

Weights

160. Flywheel (clean) 7.10 kg.
161. Flywheel with clutch (all turning parts) 13.10 kg.
162. Crankshaft 12.88 kg. 28.34 lbs.
163. Connecting rod 0.776 kg.
164. Piston with rings and pin 0.457 kg.



FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location Cylinder head
 172. Type of camshaft drive Chain
 173. Type of valve operation Overhead via bucket tappets

INLET (see page 4)*

180. Material(s) of inlet manifold Cast iron
 181. Diameter of valves 38.1 mm. 1.50 ins.
 182. Max. valve lift 0.914 mm. 0.36 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) 0.53 mm. 0.021 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) 9° 4' B.T.D.C.
 188. Valves close at (with tolerance for tappet clearance indicated) 50° 56' A.B.D.C.
 189. Air filter, type Paper element

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold Cast iron
 196. Diameter of valves 30.94 mm. 1.22 ins.
 197. Max. valve lift 0.914 mm. 0.36 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) 0.53 mm. 0.021 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 48° 56' B.B.D.C.
 203. Valves close at (with tolerance for tappet clearance indicated) 11° 4' A.T.D.C.

CARBURETION (photograph N)

210. Number of carburettors fitted 1 211. Type Horizontal
 212. Make S.U. 213. Model HS6
 214. Number of mixture passages per carburettor 1
 215. Flange hole diameter of exit port(s) of carburettor 44.45 mm. 1.75 ins.
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)
 34.11 mm. 1.34 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 43

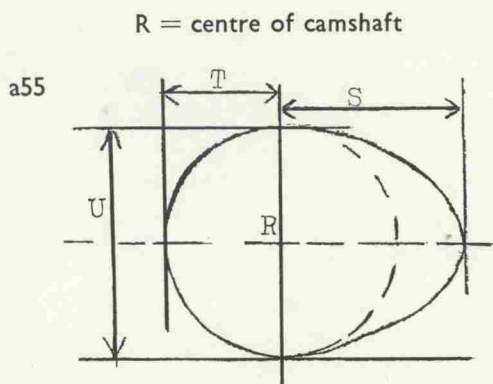


ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~and/or electrical~~
- 231. No. fitted 1
- 232. Type of ignition system H.T.
- 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
Alternator - 16 ACR (Optional)
- 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 (type of horsepower: 75 BHP) at 5500 r.p.m.
- 251. Max. r.p.m. 6000 output at that figure 73 BHP
- 252. Max. torque 84 lb. ft. at 3500 r.p.m.
- 253. Max. speed of the car Not quoted km./hour miles/hour



Inlet cam

S =	24.00	mm.	0.945	inches
T =	14,32	mm.	0.564	inches
U =	28.65	mm.	1.128	inches

Exhaust cam

S =	24.00	mm.	0.945	inches
T =	14.32	mm.	0.564	inches
U =	28.65	mm.	1.128	inches



DRIVE TRAIN

CLUTCH

260. Type of clutch Diaphragm spring 261. No. of plates 1
262. Dia. of clutch plates 19.70 cm. 7.75 ins.
263. Dia. of linings, inside 15.24 cm. 6.00 ins.
- outside 19.70 cm. 7.75 ins.
264. Method of operating clutch Hydraulic slave cylinder

GEAR BOX (photograph H)

270. Manual type, make BLMC Method of operation Cable
271. No. of gear-box ratios forward 5 272. Synchronized forward ratios 5
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	3.20	34/19						
2	2.00	28/25						
3	1.37	23/20						
4	1.00	-						
5	0.79	16/36						
6								
reverse	3.47	31/16						

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

FINAL DRIVE

290. Type of final drive Helical spur 291. Type of differential Bevel
292. Type of limited slip differential (if fitted) -
293. Final drive ratio 3.94:1 Number of teeth 16/63



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.

SUMP SHIELD - Part No. C-AJJ4019



40.0 inches
101.6 cm

33.0 inches
83.82 cm.

Manufacturing Tolerances (unless otherwise stated on the form)

- General machining: ± 0.010 inches/0.254 mm
- Castings and steel stampings: ± 0.031 inches/ 0.787 mm
- Pressings: ± 0.010 inches/0.254 mm
- Soft alloy die castings: ± 0.005 inches/0.127





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

British Leyland

Manufacturer (Austin-Morris) Ltd

Model AUSTIN MAXI

F.I.A. Recognition No. 5324

Amendment No. *1/AE*

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

EVOLUTION GROUP 1

Austin Maxi Mk.II

Serial No. of chassis/body AH5SC

A



B



C



Date amendment is valid from *1/4/71*

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

[Handwritten signature]



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

British Leyland
(Austin-Morris) Ltd
Manufacturer.....
Model..... AUSTIN MAXI
F.I.A. Recognition No. 5324
Amendment No. *111E*

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.
	<u>EVOLUTION GROUP 1</u>
1	Introduction of optional 1748 cm ³ (106.7 in ³) Engine Unit. Serial No. 17H <u>Engine</u> 134 Stroke 95.8 % 3.77in 135 Capacity per cylinder 437 cm ³ 26.65 cu ins 136 Total cylinder capacity 1748 cm ³ 106.7 cu ins 142 Compression ratio 8.75 : 1 145 Number of rings 3 146 Distance from gudgeon pin centre line to highest point of piston crown. 35.71%/35.84%. 1.406ins/1.411 ins.
2	<u>Bearings</u> 158 Crankshaft main type. Reticular tin. dia 47.68/47.72% 1.8779 ins/1.8789ins 159 Connecting rod big end type. Reticular tin dia 64.25/64.51% 2.2530 ins/2.2540 ins.
3	<u>Weights</u> 160 Flywheel (Clean) 6.874kg 15.1562 lbs. 161 Flywheel with clutch (all turning parts) 13.02 kg 28.704 lbs. 162 Crankshaft 15.95 kg 35 lbs 163 Connecting rod 0.721 kg 1.593 lbs 164 Piston with rings and pin. 0.405 kg 0.895 lbs.
4	<u>Engine and Car Performances</u> 250 Max engine output 84 bhp at 5000 rpm 251 Max rpm 6000 output at that figure 75 bhp 252 Max torque 105 lb/ft at 3000 rpm

Date amendment is valid from *1/4/71*

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

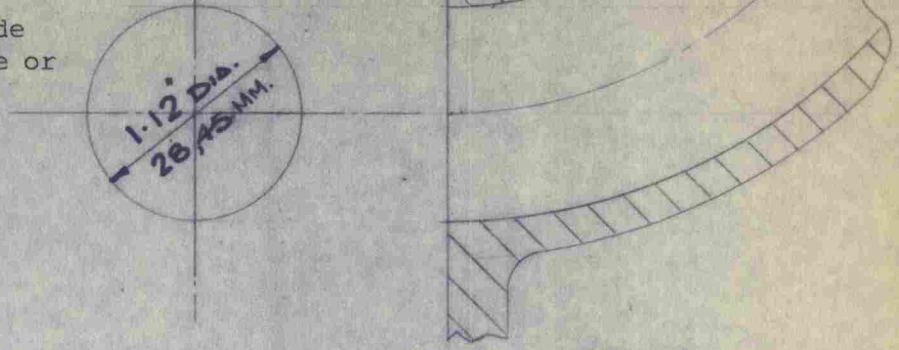
Manufacturer : British Leyland (Austin-Morris) Ltd.

Model : Austin Maxi

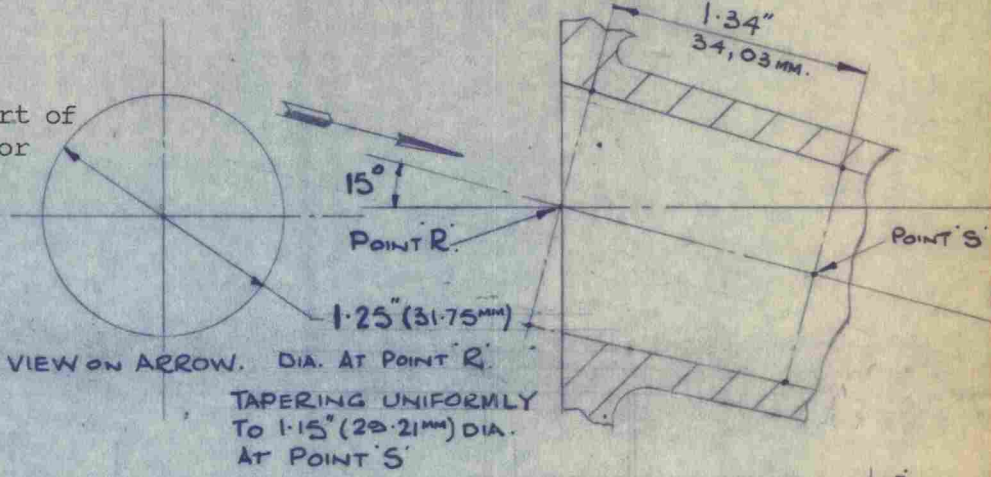
F I A Recognition No: 5324

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

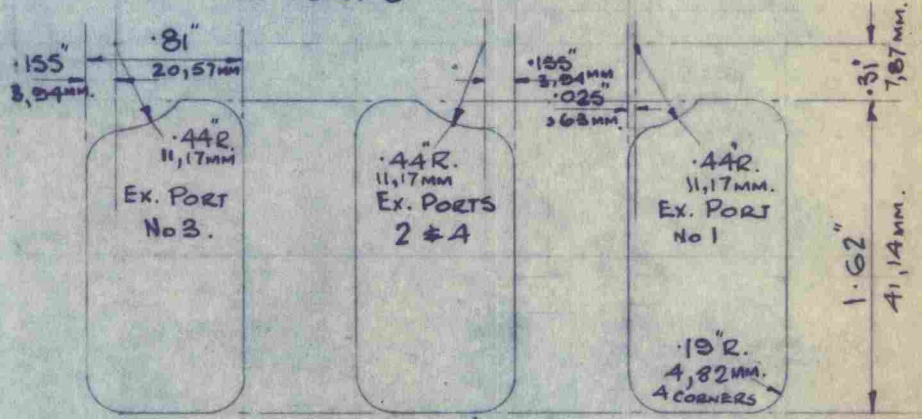
5324/1/1E



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



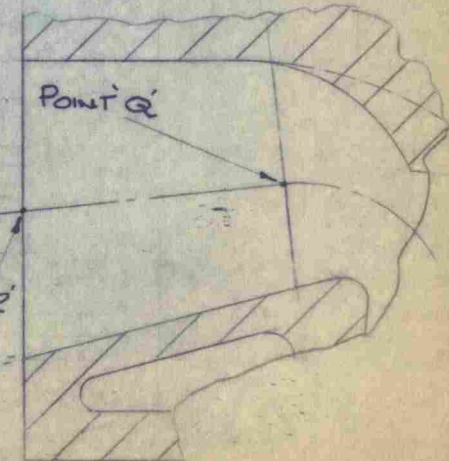
Drawing of exhaust manifold ports, side of cylinder head. Indicate scale or dimensions and manufacturing tolerance.



Drawing of exit to exhaust port of cylinder head. Indicate scale or dimensions and manufacturing tolerance.

EX. PORTS IN HEAD REVERSE OF ABOVE.

PORTS BLEND SMOOTHLY FROM RECTANGULAR AT POINT R TO ELLIPTICAL AT POINT Q



SCALE FULL SIZE

± .010" (.25MM) ON ALL M/C DIMS.

± .030" (.76MM.) ON ALL CAST SURFACES.



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

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

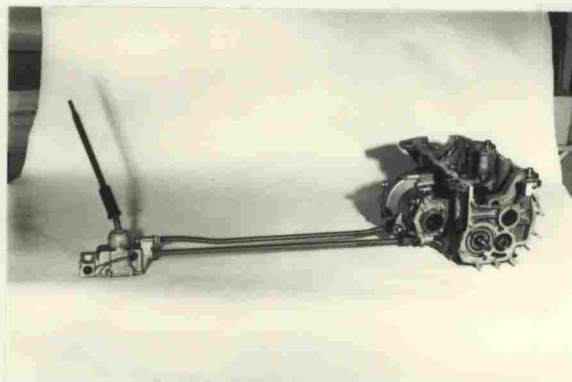
Reference No.

EVOLUTION GROUP I CONT'D

5

Gearbox

H



- 270 Manual type, make BLMC. Method of operation Rod
271 No of Gearbox ratios forward 5
272 Synchronised forward ratios 5
273 Location of gear shift centre between front seats
277

1	3.2022 : 1	34/19
2	2.0042 : 1	28/25
3	1.3719 : 1	23/30
4	1.0 : 1	Direct
5	0.8692 : 1	17/35
	Reverse 3.4671 : 1	31/16

6

Final Drive

- 290 Type of final drive helical spur
291 Type of differential bevel
292 Type of Limited slip differential not fitted
293 Final drive ratio 1.066 : 1 number of teeth 32/30).

Date amendment is valid from..... 1/4/77

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