

F.I.A. Rec. n° 5021
Group 1 - Series Production
ADO17/66 Touring

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

Cylinder-capacity...1798...cm³...109.8...in³

Manufacturer Austin Motor Company Limited Model..... Austin 1800
Serial No. of chassis... A/HS10..... Manufacturer... British Motor Corporation
engine... 18AMW..... Manufacturer... British Motor Corporation
Recognition is valid from... 1st Jan '66 List... 14.....

The manufacturing of the model described in this recognition form was started on
... 9... 5... 1964 and the minimum production of... 5000... identical cars,
in accordance with the specifications of this form was reached on... 23... 1... 1965

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



F.I.A. Stamp

Signature
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

R.A.C. Stamp

B

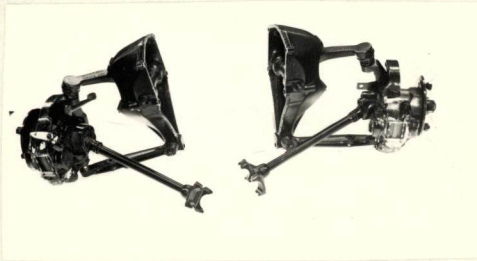


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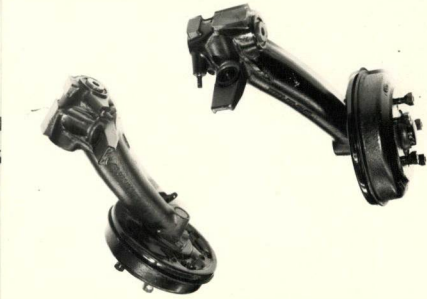


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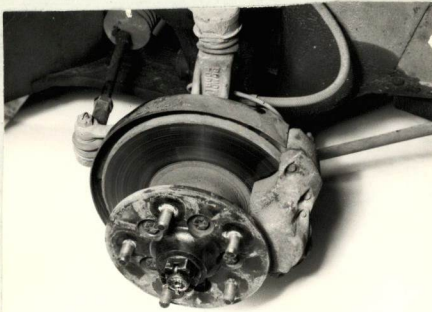


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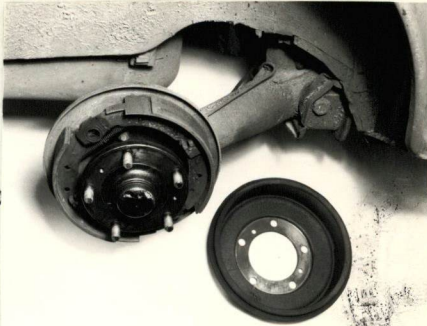


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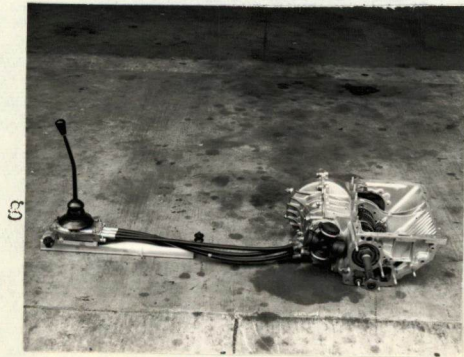


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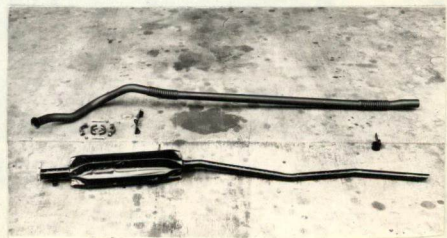


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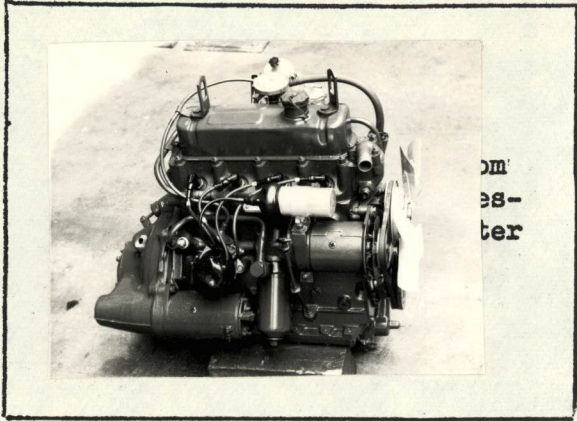


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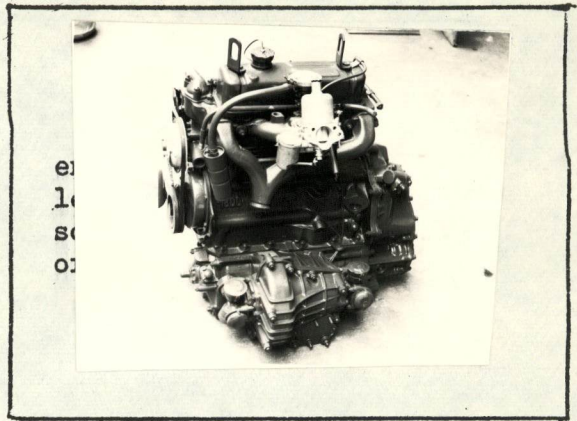
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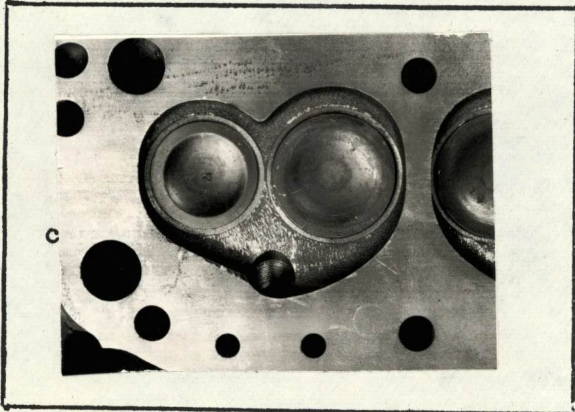
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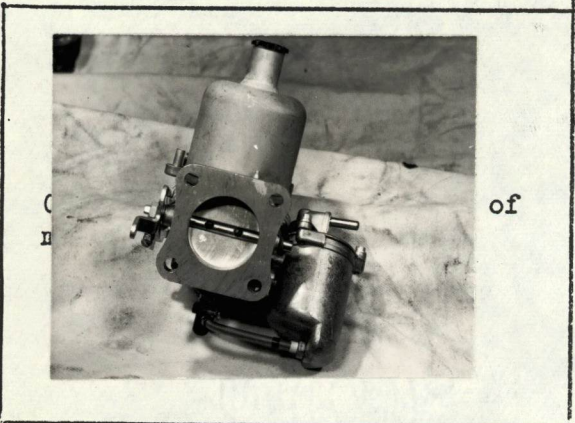
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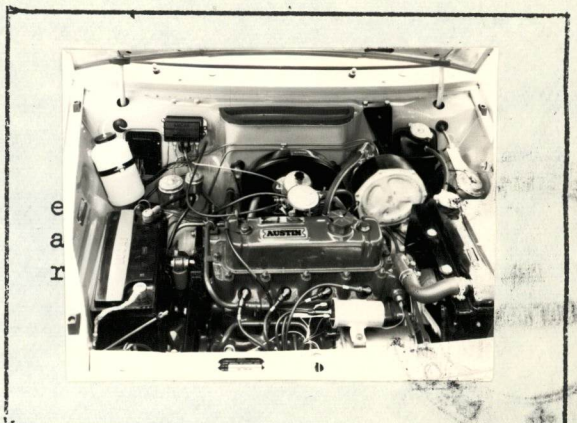
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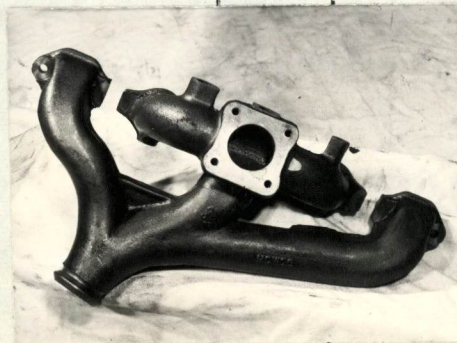
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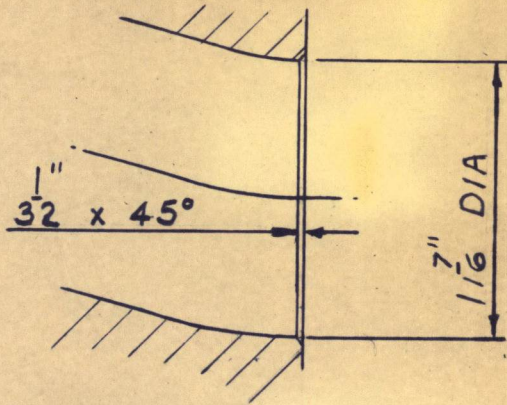
inlet manifold



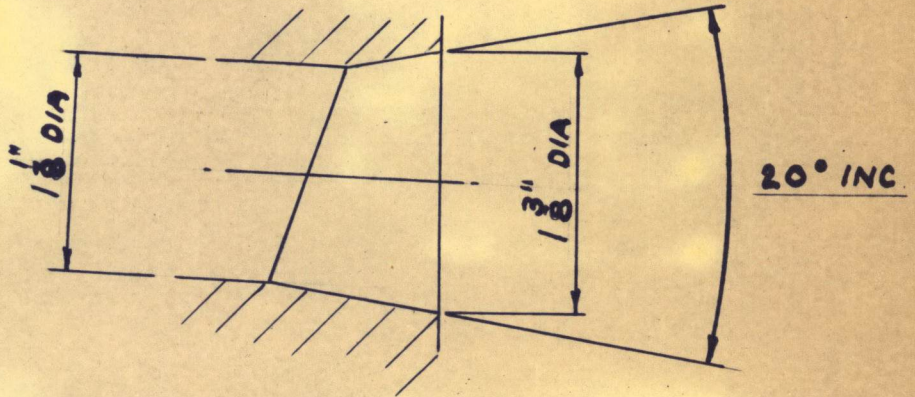
st manifold

Q

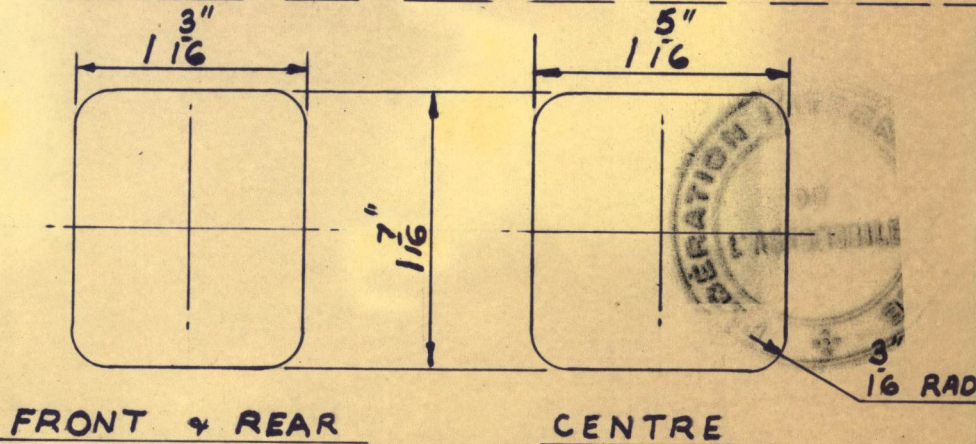
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



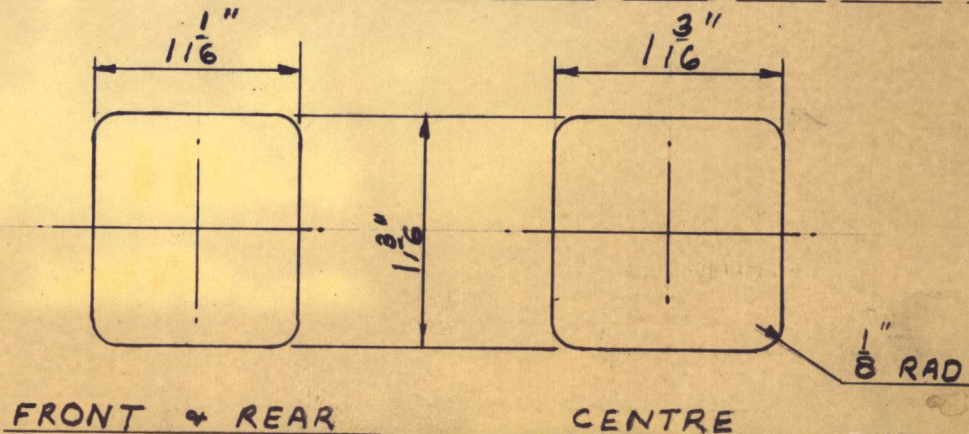
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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.



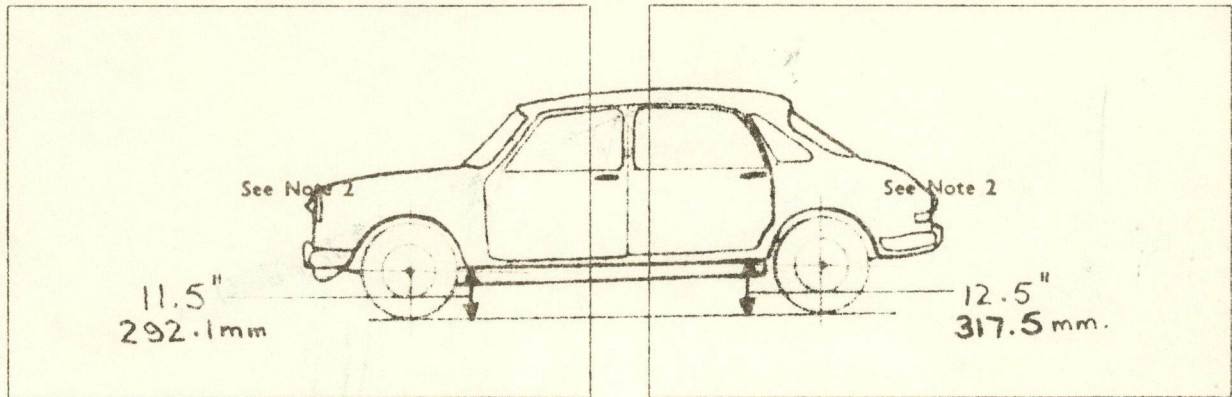
GEN'L. TOL. $\pm .010$ "

NOTE 1.

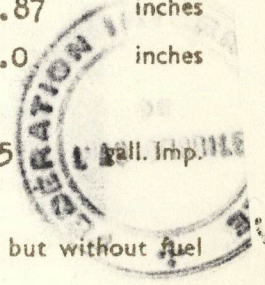
All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

- | | | | | | |
|----------------|--------------------------|--------|-----|---------|--------|
| 1. Wheelbase | | 2695.6 | mm. | 106.125 | inches |
| 2. Front track | (± 6.35 mm / 0.25") | | | | |
| | | 1425.6 | mm. | 56.0 | inches |
| 3. Rear track | (± 6.35 mm / 0.25") | | | | |
| | | 1409.7 | mm. | 55.5 | inches |



- | | | | | | |
|---|--|--------|-------|------------|--------|
| 4. Overall length of the car | | 417.0 | cm. | 164.18 | inches |
| 5. Overall width of the car | | 169.8 | cm. | 66.87 | inches |
| 6. Overall height of the car | | 142.24 | cm. | 56.0 | inches |
| 7. Capacity of fuel tank (reserve included) | | | | | |
| | | 47.5 | ltrs. | gall. U.S. | 10.5 |
| 8. Seating Capacity. | | 4/5 | | | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools: | | | | | |
| | | 1140.0 | kg. | 2507. | 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	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.

Make

Austin

Model

1800

F.I.A. Rec.no.

5021

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : ~~separate~~ / unitary construction

21. Unitary construction, material(s) Steel

SEPARATE CONSTRUCTION - MATERIALS

22. Chassis

23. Coachwork

24. Number of doors 4

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 Safety glass

31. Sliding system of door windows 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 Leather/Leathercloth

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

12.2 kg. 26.875 lbs.

43. Rear seats, type of upholstery Leather/Leathercloth

44. Front bumper, material(s) Steel Weight 7.27 kg. 16.0 lbs.

45. Rear bumper, material(s) Steel Weight 8.18 kg. 18.0 lbs.

WHEELS

50. Type Ventilated disc

51. Weight (per wheel, without tyre) 6.8 kg.

52. Method of attachment 5 studs

53. Rim diameter 330.0 mm. 13.0 ins.

54. Rim width 114.3 mm. 4.5 ins.

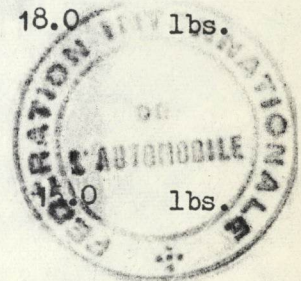
STEERING

60. Type Rack & Pinion

61. Servo-assistance : ~~yes~~ - no

62. Number of turns of steering wheel from lock to lock 4.4

63. In case of servo-assistance.



Make Austin

Model 1800

F.I.A. Rec.no. 5021

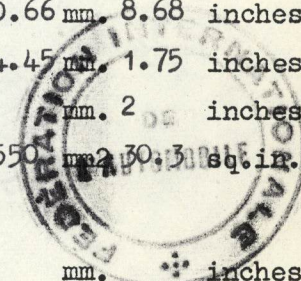
SUSPENSION

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

BRAKES (photographs F and G)

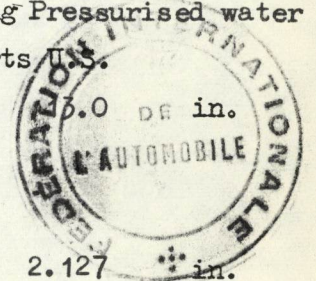
- 90. Method of operation Hydraulic
- 91. Servo-assistance (if fitted), type Vacuum
- 92. Number of hydraulic master cylinders 1

	FRONT		REAR	
93. Number of cylinders per wheel	2		1	
94. Bore of wheel cylinder(s)	53.97 mm.	2.125 inches	17.8 mm.	0.7 inches
Drum Brakes				
95. Inside diameter	mm.	inches	228.6 mm.	9.0 inches
96. Length of brake linings	mm.	inches	220.66 mm.	8.68 inches
97. Width of brake linings	mm.	inches	44.45 mm.	1.75 inches
98. Number of shoes per brake	mm.	inches	mm.	2 inches
99. Total area per brake	mm ²	sq.in.	19550 mm ²	30.31 sq.in.
Disc Brakes				
100. Outside diameter	235.7 mm.	9.28 inches	mm.	inches
101 Thickness of disc	12.7 mm.	0.5 inches	mm.	inches
102 Length of brake linings	64.7 mm.	2.54 inches	mm.	inches
103 Width of brake linings	52.38 mm.	2.06 inches	mm.	inches
104 Number of pads per brake	2			
105 Total area per brake	6774.6 mm ²	10.5 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	80.26 mm. 3.16 in.	134. Stroke	88.9 mm. 3.5 in.
135. Capacity per cylinder		449.5	cm ³ 27.45 cu.in.
136. Total cylinder capacity		1798	cm ³ 109.8 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	8.2:1		
143. Volume of one combustion chamber		42.5/43.5	cm ³ 2.59 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		42.11	mm. 1.65 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	8.5 ltrs.	15.0	pts. Quarts U.S.
153. Oil cooler : yes / no		154. Method of engine cooling	Pressurised water
155. Capacity of cooling system	5.4ltrs.	9.5	pts. quarts U.S.
156. Cooling fan (if fitted) dia.		33.02	cm. 13.0 in.
157. Number of blades of cooling fan	6		



Bearings

158. Crankshaft main, type	Copper lead	Dia.	54.06	mm.	2.127	in.
159. Connecting rod, big end	Copper lead	Dia.	47.66	mm.	1.876	in.

Weights

160. Flywheel (clean)		9.78	kg.	21.125	lbs.
161. Flywheel with clutch (all turning parts)		14.94	kg.	32.875	lbs.
162. Crankshaft	14.97 kg. 32.93 lbs.	163. Connecting rod	0.96 kg.	2.11	lbs.
164. Piston with rings and pin		0.56 kg.	1.23	lbs.	

FOUR STROKE ENGINES

170. Number of camshafts 1 171. Location Cylinder block
 172. Type of camshaft drive Chain
 173. Type of valve operation OHV pushrod

INLET (see page 4)*

180. Material(s) of inlet manifold Cast iron
 181. Diameter of valves 38.8 mm. 1.56 ins.
 182. Max. valve lift 7.94 mm. 0.312 in. 183. Number of valve springs 2
 184. Type of spring Coil 185. Number of valves per cylinder 1
 186. Tappet clearance for checking timing (cold) 0.38 mm. 0.015 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) T.D.C.
 188. Valves close at (with tolerance for tappet clearance indicated) 50° ABDC
 189. Air filter, type Paper element

EXHAUST (see page 4)

195. Material(s) of exhaust manifold Cast iron
 196. Diameter of valves 34.23 mm. 1.348 ins.
 197. Max. valve lift 7.94 mm. 0.312 in. 198. Number of valve springs 2
 199. Type of spring Coil 200. Number of valves per cylinder 1
 201. Tappet clearance for checking timing (cold) 0.38 mm. 0.015 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 35° BBDC
 203. Valves close at (with tolerance for tappet clearance indicated) 15° ATDC

CARBURETION (photograph N)

210. Number of carburettors fitted 1 211. Type Variable choke
 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 44.5 mm. 1.75 ins.
 216. ~~Minimum diameter of venturi~~/minimum diam, with piston at maximum height
 34.11 mm. 1.343 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 13.

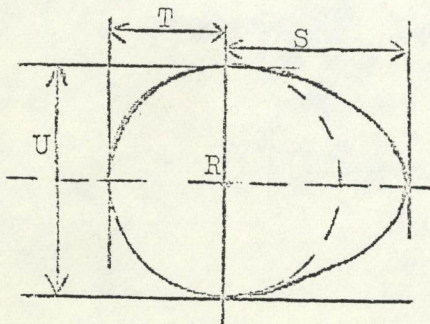


ENGINE ACCESSORIES

- 230. Fuel pump : ~~mechanical and/or~~ electric.
- 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, number fitted 1
- 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 84 (type of horsepower; BHP) at 5300 rpm
- 251. Max. rpm output at that figure
- 252. Max torque 99 lb. ft.at 2100 rpm
- 253. Max speed of the car 146.7 km/hour 91.2 miles/hour



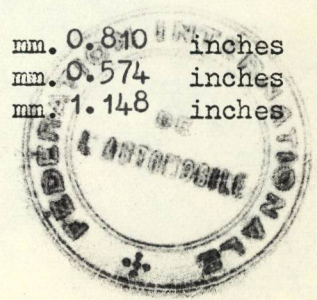
R = centre of camshaft.

Inlet cam

S = 20.57	mm. 0.810	inches
T = 14.58	mm. 0.574	inches
U = 29.16	mm. 1.148	inches

Exhaust cam

S = 20.57	mm. 0.810	inches
T = 14.58	mm. 0.574	inches
U = 29.16	mm. 1.148	inches



Make Austin

Model 1800

F.I.A. Rec.no. 5021

DRIVE TRAIN

CLUTCH

- 260. Type of clutch Diaphragm spring 261. No of plates 1
- 262. Dia. of clutch plates 20.32 cm. 8.0 ins..
- 263. Dia. of linings, inside 14.62 cm. 5.755 ins.
outside 20.32 cm. 8.0 ins.
- 264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

- 270. Manual type, make BMC
- 271. No. of gear-box ratios forward 4 272. Synchronized forward ratios 4
- 273. Location of gear-shift Central on floor
- 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	3.292	$\frac{39}{18} \times \frac{33}{23}$						
2								
3	2.217	$\frac{34}{22} \times \frac{33}{23}$						
4	1.384	$\frac{27}{28} \times \frac{33}{23}$						
5	1.0:1							
6								
re-verse	3.075	$\frac{30}{13} \times \frac{13}{14} \times \frac{33}{23}$						

- 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 3.882:1
Number of teeth 66/17



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, 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. 1/7...1947 rec.no. 5021A/K 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.

293. Final drive ratio - 4.188:1
 Number of teeth - 67/16





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

Manufacturer Austin Motor Co. Ltd

Model Austin 1800

F.I.A. Recognition No. 5021 *A/U*

Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

GROUP 2

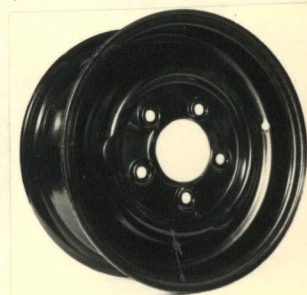
No. Reference No.

OPTIONAL EQUIPMENT

1 7. Fuel tank - 16 gallons/72.6 litres Part No.ARB104.

WHEELS

2 50. Steel - Part No. C-11H.1865
 51. 13.94 lbs/6.33 kgs
 52. 5 studs
 53. Rim dia. - 330.2 mm/13.0 inches
 54. Rim width - 139.7mm/5.5 inches



3 50. Magnesium Electron 'C' Part No.C-11H.1866
 51. 9.75 lbs/4.43 kgs
 52. 5 studs
 53. Rim dia. 330.2mm/13.0 inches
 54. Rim width - 139.7mm/5.5 inches



NOTE: TRACK INCREASE 0.625 ins/15.8 mm
 WITH ABOVE WHEELS FITTED.

GEARBOX

4 277. Alternative manual ratio

2nd Gear:- 2.05 - $\frac{33}{23} \times \frac{33}{23}$

Date amendment is valid from

1st July 1967
hist 16/4





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

Manufacturer Austin Motor Co. Ltd.
Model Austin 1800
F.I.A. Recognition No. 5021 *AV*
Amendment No. 2

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

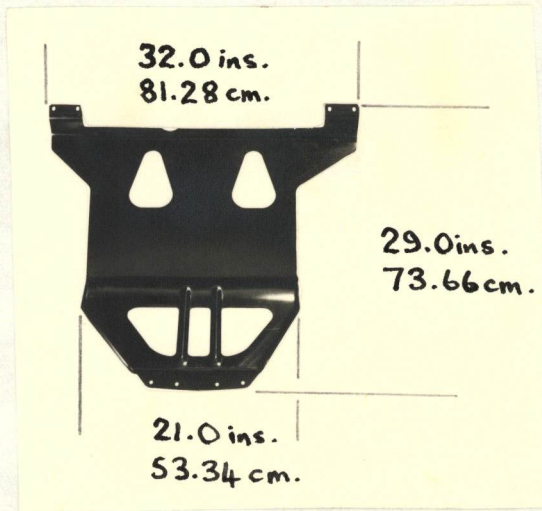
No.

Reference No.

OPTIONAL EQUIPMENT (contd) Group 2

1.

Sump guard - Part No. AYH.0230



Date amendment is valid from 1st July, 1967

Herbert Brown





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

Manufacturer Austin Motor Co. Ltd.
Model Austin 1800
F.I.A. Recognition No. 5021 *1/ET*
Amendment No. 3

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

EVOLUTION - GROUP 1

2.

60.

Rack and pinion.

62.

No. of turns lock to lock - 3.80

Date amendment is valid from 1st July, 1967

Subscribed





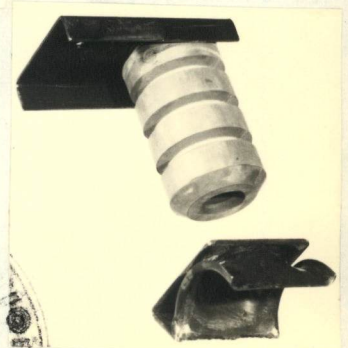
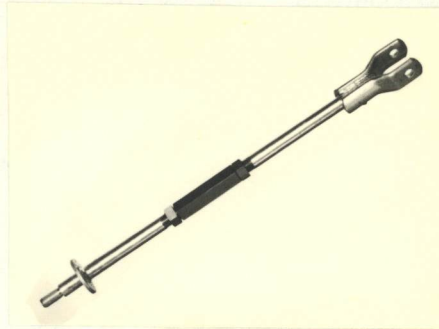
MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

Manufacturer BMC
Model Austin 1800
F.I.A. Recognition No. 5021 / 3/2V
Amendment No. 4

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.
	<u>Variant - Group 2</u>
1.	Tie-rod front suspension Part No. C-11H1897
2.	Bump rubber kit- Heavy Duty- Front Part No. C-AJJ 3354
3.	Bump Rubber Kit - Supplementary - Rear Part No. C-AJJ3355



Date amendment is valid from 1st March 1968

List 1968/4



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



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

Manufacturer BMC
Model Austin 1800
F.I.A. Recognition No. 5021 / 4/3V
Amendment No. 5

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

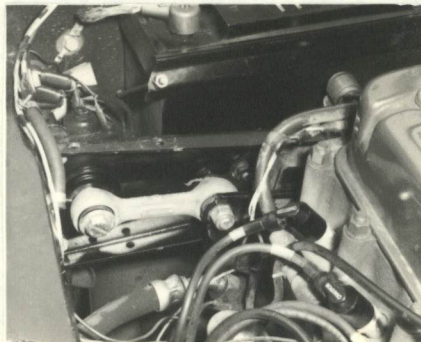
No.

Reference No.

Variant - Group 2

4.

Engine tie - Rod - upper
Part No. 11H1430



Date amendment is valid from.....

1st March 1968

hist 1968/4





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

Manufacturer BMC
Model AUSTIN 1800
F.I.A. Recognition No. 5021
Amendment No. 5/2E ~~XXXXXX~~

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

EVOLUTION - GROUP 1

Austin 1800 Mk. 2
Chassis Serial No.: AHSA
Engine Serial No.: 18H

A.



B.



C.



Date amendment is valid from 1st Nov. 1968
List 1968/10

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Manufacturer BMC

Model AUSTIN 1800

F.I.A. Recognition No. 5021

Amendment No. 6/3 E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

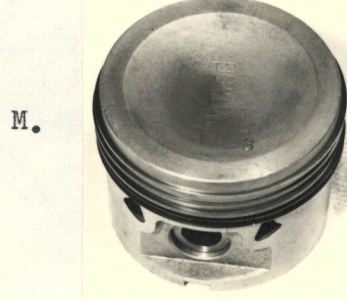
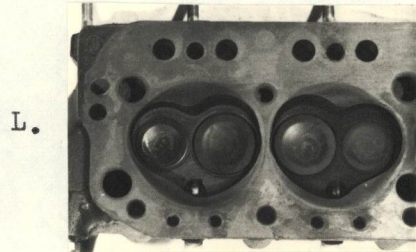
Reference No.

EVOLUTION - GROUP 1

Austin 1800 Mk. 2

- 9. Weight: 1160.8 kgs./2557.0 lbs.
- 50. Wheel - ventilated disc
- 51. Weight: 7.73 kgs./17.18 lbs.
- 52. Method of attachment - 5 studs and nuts
- 53. Rim diameter: 355.6mm/14.0 inches.
- 54. Rim width: 114.3 mm/4.5 inches.
- 60. Steering type - rack and pinion.
- 61. Servo assistance - Optional.
- 62. No. turns lock to lock - 3.8
- 63. In case of servo-assistance - 3.5

Engine



Date amendment is valid from 1st Nov. 1968

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List 1968/10



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

Manufacturer BMC
 Model Austin 1800
 F.I.A. Recognition No. 5021
 Amendment No. 7/4E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

EVOLUTION - GROUP 1

Austin 1800 Mk. 2

- 142. Compression ratio - 9.0:1
- 143. Volume of one combustion chamber - 2.32/2.38 cub. inches-38.0/39.0cc
- 181. Diameter of Inlet valve - 1.63 inches/41.40 mm
- 182. Max. valve lift - 0.360 inches / 9.14 mm.
- 187. Inlet valve opens - 5° B.T.D.C.
- 188. Inlet valve closes - 45° A.B.D.C.
- 197. Max. valve lift - 0.360 inches / 9.14 mm.
- 202. Exhaust valve opens - 40° B.B.D.C.
- 203. Exhaust valve closes - 10° A.T.D.C.
- 230. Fuel pump - S.U. mechanical
- 231. No. fitted - 1
- 250. Max. engine output - 86.5 BHP @ 5400 RPM
- 252. Max. engine torque - 101 lbs/ft. @3000 RPM
- 253. Max speed - 155 km/hour - 96.0 MPH
- 277. Second gear - Ratio 2.059 No. of teeth: $\frac{33}{23} \times \frac{33}{23}$

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Manufacturer BMC
Model Austin 1800
F.I.A. Recognition No. 5021
Amendment No. 8/4V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

Variant - Group 2

Drive shaft assembly - Part No. BTB 953

Inner shaft assembly - Part No. 22H 1221



Date amendment is valid from 1st Nov. 1968

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