

F.I.A. Recognition No. 525
Group 3 - Grand Touring



AH3/66

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

| | | | | | |
|---|-------------------|----------------------------------|------------------|-------|------------------|
| Austin Motor Co. Ltd., in assoc. with | Cylinder-capacity | 2912 | cm. ³ | 177.7 | in. ³ |
| Manufacturer <u>Donald Healey Motor Co. Ltd.</u> , | Model | <u>Austin Healey 3000 Mk III</u> | | | |
| Serial No. of chassis/body <u>HBJ8</u> | Manufacturer | <u>British Motor Corporation</u> | | | |
| Serial No. of engine <u>29K</u> | Manufacturer | <u>British Motor Corporation</u> | | | |
| Recognition is valid from <u>1st Febr. 1966</u> | List | <u>14/2</u> | | | |
| The manufacturing of the model described in this recognition form started on <u>20th April</u> 19 <u>64</u> | | | | | |
| and the minimum production of <u>500</u> identical cars, in accordance with the specifications of | | | | | |
| this form was reached on <u>30th July</u> 19 <u>64</u> . | | | | | |

Photograph A, ¾ view of car from front



F.I.A. Stamp



B



inter

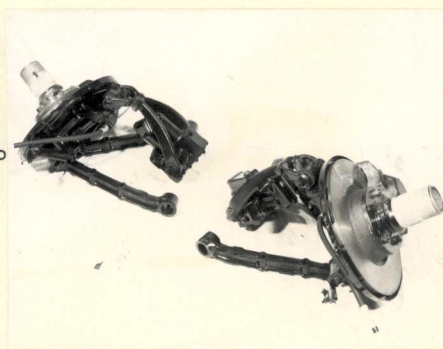
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D

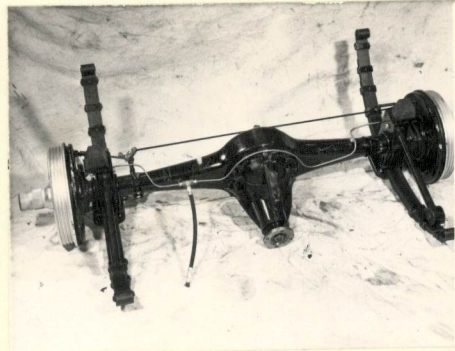
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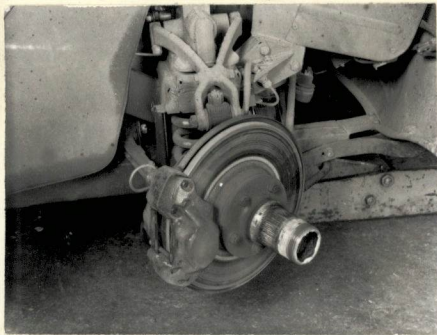


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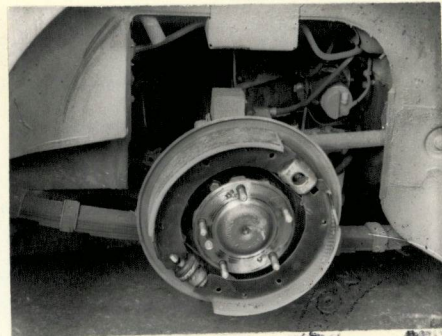
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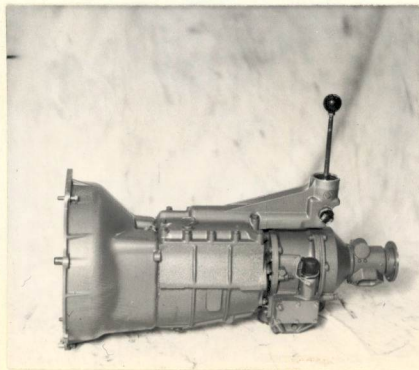
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G

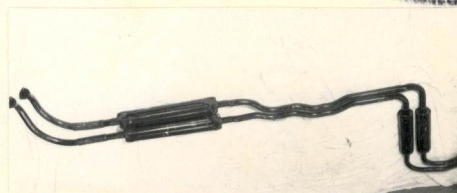


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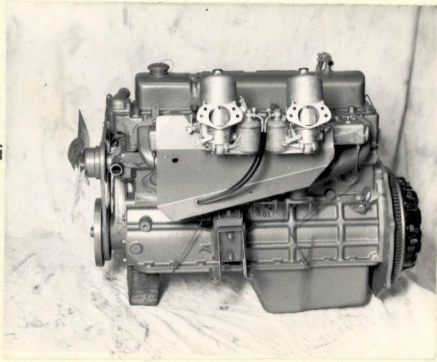
fold

I



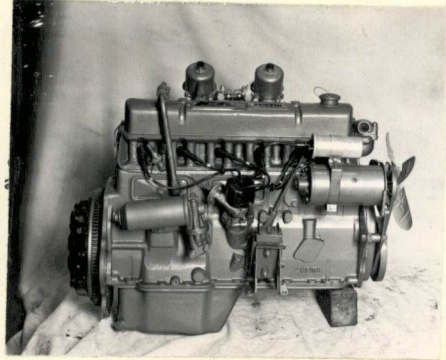
J

engi
and

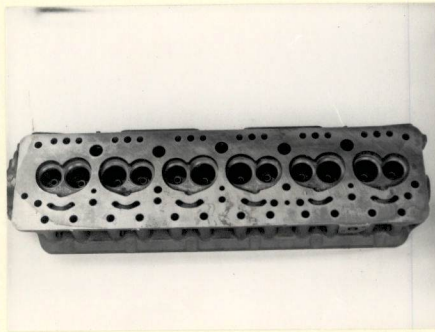


K

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lter



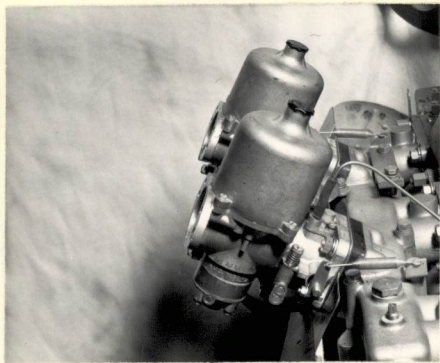
L



M



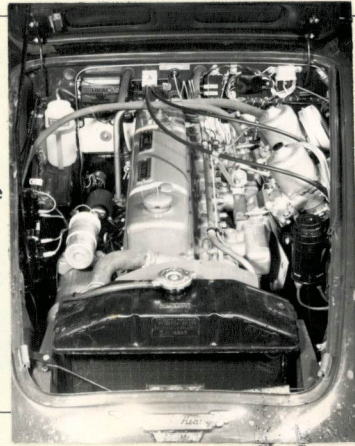
N



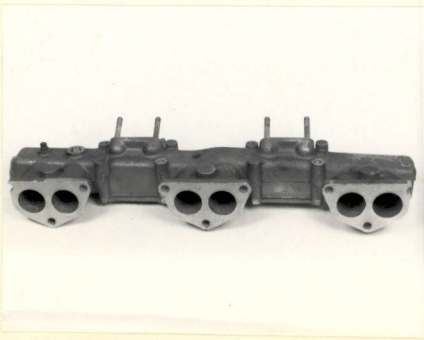
engine

open

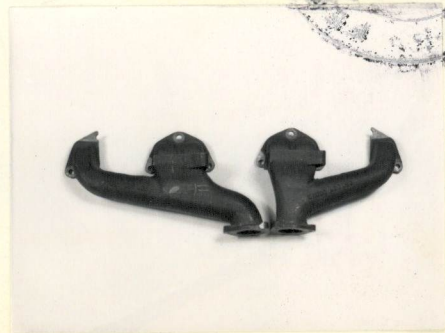
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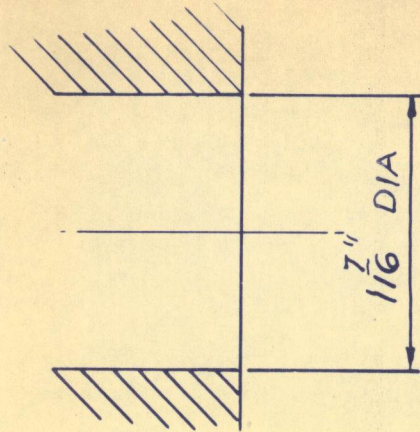


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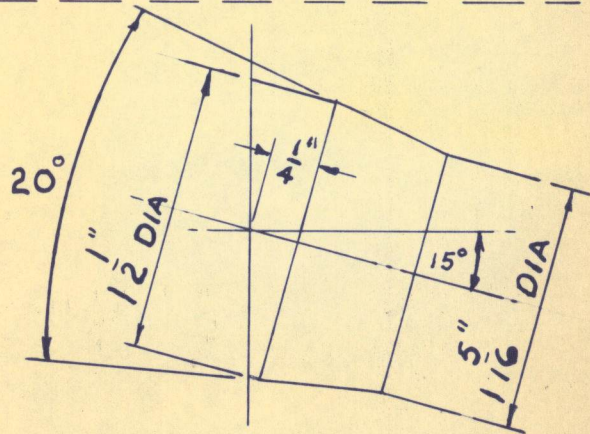


INTERNATIONAL
MOTOR VEHICLE

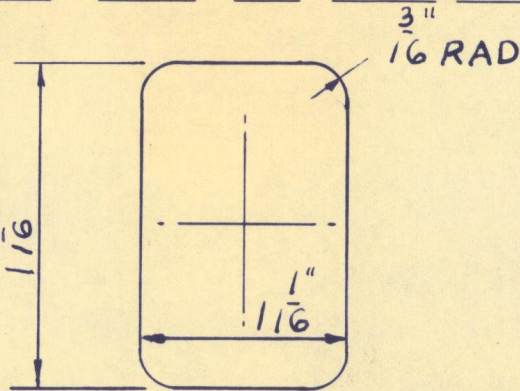
Drawing of inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



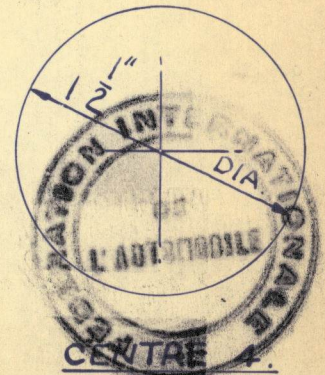
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



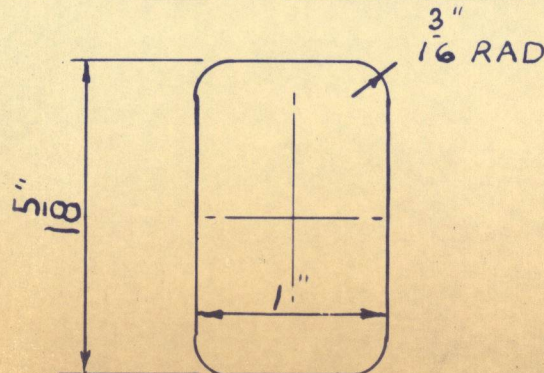
Drawing of exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



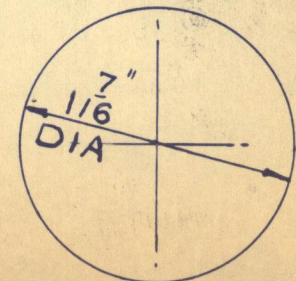
FRONT & REAR



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



FRONT & REAR



CENTRE 4.

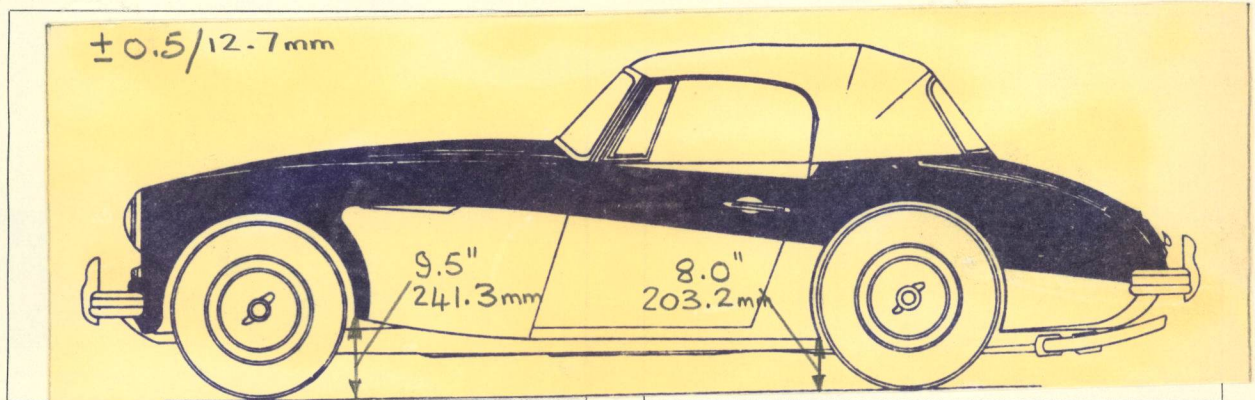
GEN. TOL. ± .010"

NOTE 1.

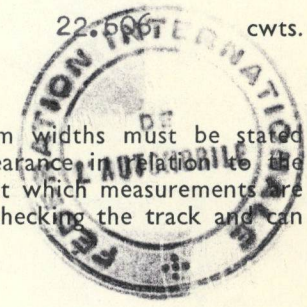
All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

| | | | | | | |
|---|-----|------|--------|--------|-------|--------|
| 1. Wheelbase | | | 2329.6 | mm. | 91.72 | inches |
| 2. Front track ($\pm 6.35\text{mm}/0.25''$) | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 1244.6 | mm. | 49.0 | inches | 1270.0 | mm. | 50.0 |
| | | | | | | |



| | | | | | | |
|--|--|-----|---------|-------|-------|------------|
| 4. Overall length of the car | | | 400.05 | cm. | 157.5 | inches |
| 5. Overall width of the car | | | 152.4 | cm. | 60.0 | inches |
| 6. Overall height of the car | | | 128.9 | cm. | 50.75 | inches |
| 7. Capacity of fuel tank (reserve included) | | | | | | |
| | | | 56.09 | ltrs. | 14.82 | gall. U.S. |
| | | | | | | 12.34 |
| | | | | | | gall. Imp. |
| 8. Seating Capacity. | | 2/4 | | | | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | | | | | | |
| | | | 1148.43 | kg. | 2532 | lbs. |
| | | | | | | 22.506 |
| | | | | | | 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 Healey

Model 3000 Mk III

F.I.A. Rec. No.

525

CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction: ~~separate~~/unitary construction
- 21. Unitary construction, material(s) Steel and aluminium
- 22. Separate construction, Material(s) of chassis Steel
- 23. Material(s) of coachwork Steel and aluminium
- 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
- 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 Leathercloth
- 42. Weight of front seat(s), complete with supports and rails, out of the car :

| | | | |
|-------|-----|-------|------|
| 12.38 | kg. | 27.25 | lbs. |
|-------|-----|-------|------|
- 43. Rear seats, type of seat and upholstery Leathercloth
- 44. Front bumper, material(s) Steel Weight 5.45 kg. 12.0 lbs.
- 45. Rear bumper, material(s) Steel Weight 5.11 kg. 11.25 lbs.

WHEELS

- 50. Type Ventilated disc or wire spoke
- 51. Weight (per wheel, without tyre)

| | | | | | |
|------|------|-----|------|------|------|
| Disc | 7.26 | kg. | Disc | 16.0 | lbs. |
| Wire | 7.50 | | Wire | 16.5 | |
- 52. Method of attachment 5 stud or centre lock cap
- 53. Rim diameter 381.0 mm. 15.0 ins. 54. Rim width

| | | | | | |
|------|-------|-----|------|-------|------|
| Disc | 101.6 | mm. | Wire | 114.3 | mm. |
| | | | | | ins. |



STEERING

- 60. Type Cam and Peg
- 61. Servo-assistance : ~~yes~~ — no
- 62. Number of turns of steering wheel from lock to lock 3
- 63. In case of servo-assistance

SUSPENSION

- 70. Front suspension (photograph D), type Independent
- 71. Type of spring Coil
- 72. Stabiliser (if fitted) Yes
- 73. Number of shock absorbers 2 74. Type Hydraulic lever
- 78. Rear suspension (photograph E), type Live axle and radius arms
- 79. Type of spring Semi elliptic leaf
- 80. Stabiliser (if fitted)
- 81. Number of shock absorbers 2 82. Type Hydraulic lever

BRAKES (photographs F and G)

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

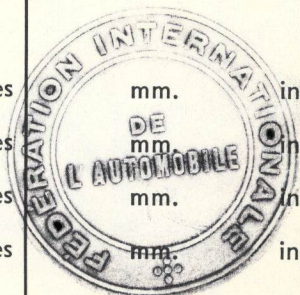
| | | FRONT | 1 | REAR |
|-----------------------------------|-------|-----------|--------------|-----------------|
| 93. Number of cylinders per wheel | 2 | | | |
| 94. Bore of wheel cylinder(s) | 54.02 | mm. 2.125 | inches 19.05 | mm. 0.75 inches |

Drum Brakes

| | | | | | |
|-------------------------------|--|------------------|----------------|-----------------------|---------|
| 95. Inside diameter | | mm. | inches 279.4 | mm. 11 | inches |
| 96. Length of brake linings | | mm. | inches 267.46 | mm. 10.53 | inches |
| 97. Width of brake linings | | mm. | inches 57.15 | mm. 2.25 | inches |
| 98. Number of shoes per brake | | | | 2 | |
| 99. Total area per brake | | mm. ² | sq. in. 30647. | mm. ² 47.5 | sq. in. |

Disc Brakes

| | | | | | | |
|-------------------------------|-------------|------------------|-------|---------|------------------|---------|
| 100. Outside diameter | 279.4 | mm. | 11.0 | inches | mm. | inches |
| 101. Thickness of disc | 12.7 | mm. | 0.5 | inches | mm. | inches |
| 102. Length of brake linings | approx 76.0 | mm. | 2.99 | inches | mm. | inches |
| 103. Width of brake linings | approx 54.0 | mm. | 2.125 | inches | mm. | inches |
| 104. Number of pads per brake | | | 2 | | | |
| 105. Total area per brake | 6710.0 | mm. ² | 10.4 | sq. in. | mm. ² | sq. in. |



Make Austin Healey

Model 3000 Mk III

F.I.A. Rec. No. 525

ENGINE (photographs J and K)

- 130. Cycle 4 stroke
- 131. Number of cylinders 6
- 132. Cylinder Arrangement In line
- 133. Bore 83.3432 mm. 3.2812 in.
- 134. Stroke 88.9 mm. 3.5 in.
- 135. Capacity per cylinder 485.3 cm.³ 29.6 cu. in.
- 136. Total cylinder capacity 2912 cm.³ 177.7 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 6
- 141. Number of exhaust ports 6
- 142. Compression ratio 9.03:1
- 143. Volume of one combustion chamber 52.5 cm.³ 3.204 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 47.625 mm. 1.875 in.
- 147. Crankshaft: ~~moulded~~/stamped
- 148. Type of crankshaft: integral/Yes
- 149. Number of crankshaft main bearings 4
- 150. Material of bearing cap Cast iron
- 151. System of lubrication: ~~dry sump~~/oil in sump
- 152. Capacity, lubricant 6.6172 ltrs. 11.65 pts. quarts U.S.
- 153. Oil cooler: yes/no
- 154. Method of engine cooling Pressurised water
- 155. Capacity of cooling system 10.2 ltrs. 18.0 pts. 10.8 quarts U.S.
- 156. Cooling fan (if fitted) dia. 38.1 cm. 15 in.
- 157. Number of blades of cooling fan 4

Bearings

- 158. Crankshaft main, type Copper lead dia. 62.1995 m.m. 2.449 in.
- 159. Connecting rod big end, type Copper lead dia. 50.864 m.m. 2.00 in.

Weights

- 160. Flywheel (clean) 12.7 kg. 28.0 lbs.
- 161. Flywheel with clutch (all turning parts) 19.00 kg. 42.285 lbs.
- 162. Crankshaft 26.76 kg. 59.0 lbs.
- 163. Connecting rod 1.019 kg. 2.24 lbs.
- 164. Piston with rings and pin 0.637 kg. 1.40 lbs.



Make Austin Healey

Model 3000 Mk III

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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 Aluminium alloy
181. Diameter of valves 44.45 mm. 1.75 ins.
182. Max. valve lift 9.144 mm. 0.36 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) 0.432 mm. 0.017 ins.
187. Valves open at (with tolerance for tappet clearance indicated) 16° BTDC
188. Valves close at (with tolerance for tappet clearance indicated) 56° ABDC
189. Air filter, type Wire mesh

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold Cast iron
196. Diameter of valves 39.688 mm. 1.5625 ins.
197. Max. valve lift 9.144 mm. 0.36 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) 0.432 mm. 0.017 ins.
202. Valves open at (with tolerance for tappet clearance indicated) 51° BBDC
203. Valves close at (with tolerance for tappet clearance indicated) 21° ATDC

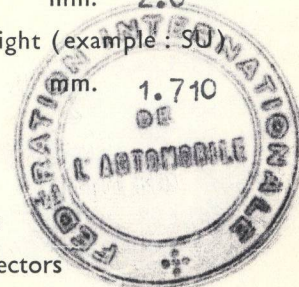
CARBURETION (photograph N)

210. Number of carburettors fitted 2 211. Type Variable choke
212. Make S.U. 213. Model HD8
214. Number of mixture passages per carburettor 1
215. Flange hole diameter of exit port(s) of carburettor 50.8 mm. 2.0 ins.
216. ~~Minimum diameter of venturi~~/minimum diam., with piston at maximum height (example: SU) 43.43 mm. 1.710 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.

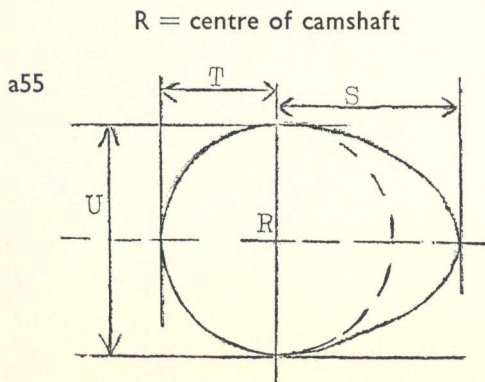


ENGINE ACCESSORIES

- 230. Fuel pump : ~~mechanical and/or~~ electrical
- 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 : ~~dynamo/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 150 (type of horsepower: BHP) at 5250 r.p.m.
- 251. Max. r.p.m. 5600 output at that figure
- 252. Max. torque 173 at 3000 r.p.m.
- 253. Max. speed of the car 198.7 km./hour 123.5 miles/hour



Inlet cam

- S = 20.955 mm. 0.825 inches
- T = 14.178 mm. 0.5582 inches
- U = 25.816 mm. 1.016 inches

Exhaust cam

- S = 20.955 mm. 0.825 inches
- T = 14.178 mm. 0.5582 inches
- U = 25.816 mm. 1.0164 inches



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DRIVE TRAIN

CLUTCH

- 260. Type of clutch Diaphragm spring
- 261. No. of plates 1
- 262. Dia. of clutch plates 24.46 cm. 9.63 ins.
- 263. Dia. of linings, inside 15.57 cm. 6.13 ins.
- outside 22.86 cm. 9.0 ins.
- 264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

- 270. Manual type, make BMC Method of operation
- 271. No. of gear-box ratios forward 4 272. Synchronized forward ratios 3
- 273. Location of gear-shift Central on tunnel between 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 | 2.637:1 | $\frac{24}{21} \times \frac{30}{13}$ | | | 2.64:1 | $\frac{24}{21} \times \frac{30}{13}$ | | |
| 2 | 2.071:1 | $\frac{24}{21} \times \frac{29}{16}$ | | | 1.88:1 | $\frac{24}{21} \times \frac{28}{17}$ | | |
| 3 | 1.306:1 | $\frac{24}{21} \times \frac{24}{21}$ | | | 1.43:1 | $\frac{24}{21} \times \frac{25}{20}$ | | |
| 4 | 1:1 | | | | 1.0:1 | | | |
| 5 | | | | | | | | |
| 6 | 3.391:1 | $\frac{24}{21} \times \frac{18}{13} \times \frac{30}{14}$ | | | 3.39:1 | $\frac{24}{21} \times \frac{18}{13} \times \frac{30}{14}$ | | |
| reverse | | | | | | | | |

- 278. Overdrive, type Laycock - electrically operated
- 279. Forward gears on which overdrive can be selected 3rd, 4th
- 280. Overdrive ratio 0.820:1

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 3.545:1 Number of teeth 11/39
- With overdrive 3.909:1 11/43



Make Austin Healey

Model 3000 Mk III

F.I.A. Rec. No. 525

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.

293. Final drive ratio:- 4.1:1 4.3:1 4.875:1
 Number of teeth - 10/41 10/43 10/48





DONALD HEALEY MOTOR CO. LTD

WARWICK
ENGLAND

D M HEALEY
G C HEALEY
R BOARDMAN
J COOPER
G R L PRICE
B S C HEALEY
~~D L HEALEY~~

TELEGRAMS
HEALEYCARS
WARWICK
TELEPHONE
WARWICK 41235

Name of Manufacturer Austin Motor Company Limited in
.....
association with Donald Healey
.....
Motor Company Limited
.....

Name of Model Austin Healey 3000 Mk III
.....

Manufacturers Reference AH 3 / 66
No. of Application

We certify that in excess of 500 cars identical with the
basic specification stated in this application were
completed on 30th July 1964. Production commenced on
20th April 1964. Cars conforming to this specification
may be identified by:-

Chassis Nos. HBJ 8

Engine Nos. 29 K

Signature *[Handwritten Signature]*

Official Designation DIRECTOR

For and on behalf of
DONALD HEALEY MOTOR Co., Ltd.

Signature *[Handwritten Signature]*

Official Designation Director & Secretary



DONALD HEALEY MOTOR CO. LTD

WARWICK
ENGLAND

D M HEALEY
G C HEALEY
R BOARDMAN
J COOPER
G R L PRICE
B S C HEALEY
D L HEALEY

TELEGRAMS
HEALEYCARS
WARWICK
TELEPHONE
WARWICK 41235

Name of Manufacturer Austin Motor Company Limited in
.....
association with Donald Healey
.....
Motor Company Limited
.....

Name of Model Austin Healey 3000 Mk III
.....

Manufacturers Reference
No. of Application AH 3 / 66
.....

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Signature *[Handwritten Signature]*
.....

Official Designation DIRECTOR
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For and on behalf of
DONALD HEALEY MOTOR Co., Ltd.

Signature *[Handwritten Signature]*
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Official Designation Director & Secretary
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