



F.I.A. Recognition No. 3048

Group

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 Jensen Motors Ltd.
Serial No. of chassis/body 10,001 onwards
Serial No. of engine A/7X/XX/XXXX
Recognition is valid from 1-1-73

Cylinder-capacity 1973 cm.³ 1204 in.³
Model Jensen Healey I.
Manufacturer Jensen Motors Ltd.
Manufacturer Lotus
List

The manufacturing of the model described in this recognition form started on 1-5- 1972
and the minimum production of 1000 identical cars, in accordance with the specifications of
this form was reached on November 17 19 72

Photograph A. $\frac{1}{2}$ view of car from front



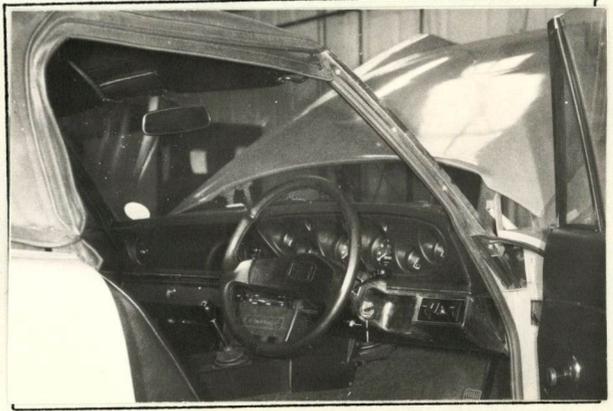
F.I.A. Stamp

R.A.C. Stamp

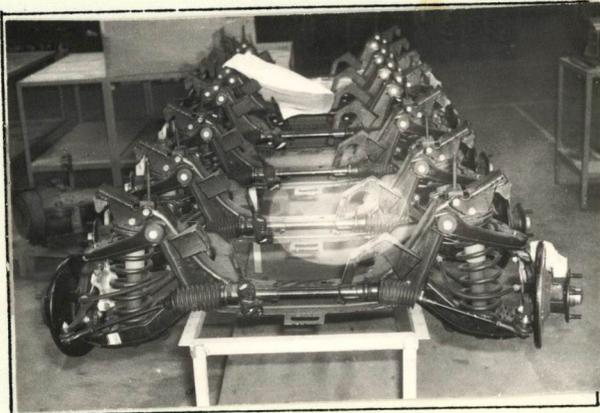
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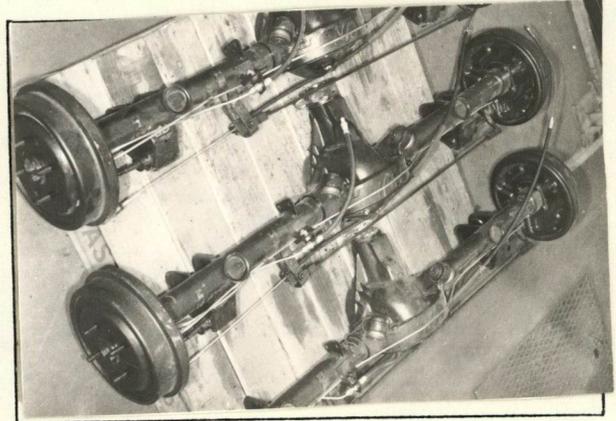
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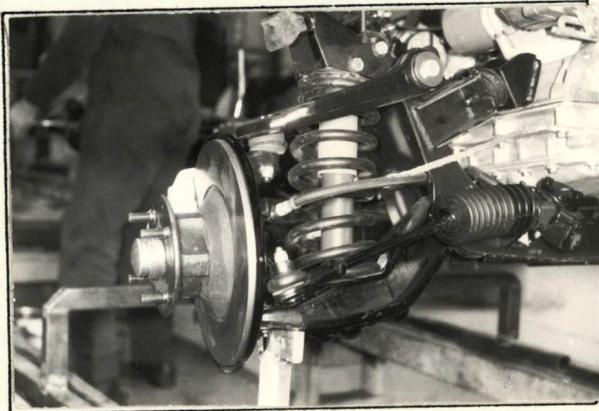
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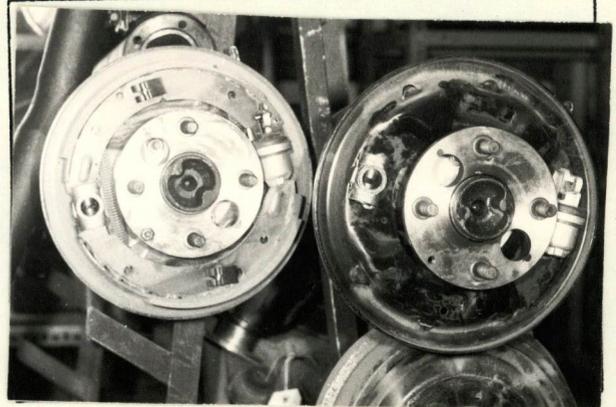
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F



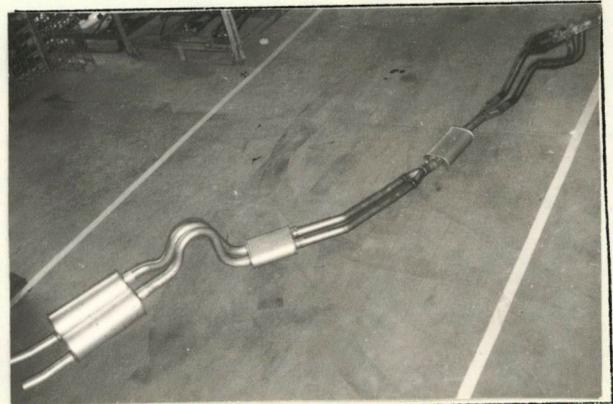
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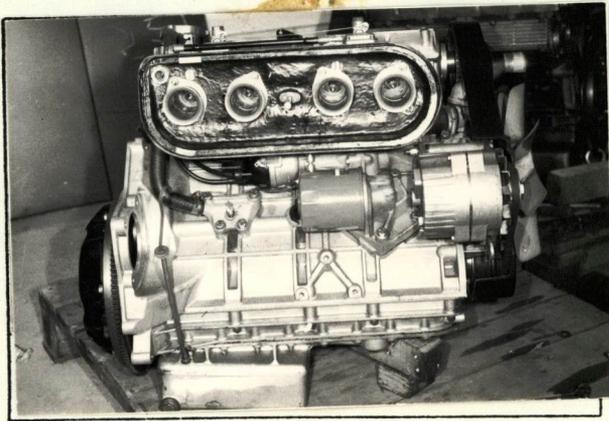


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I

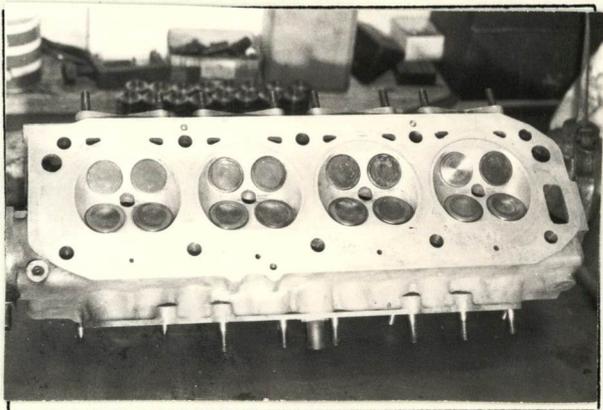




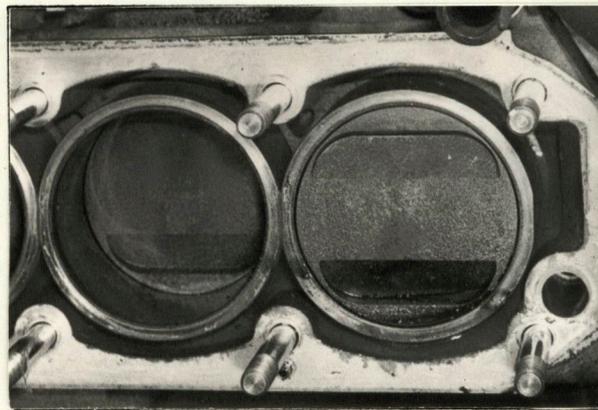
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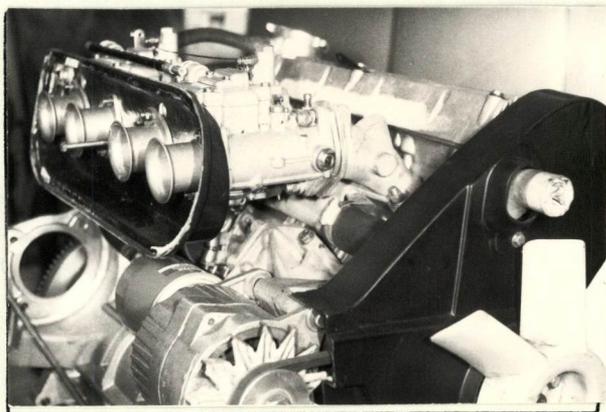
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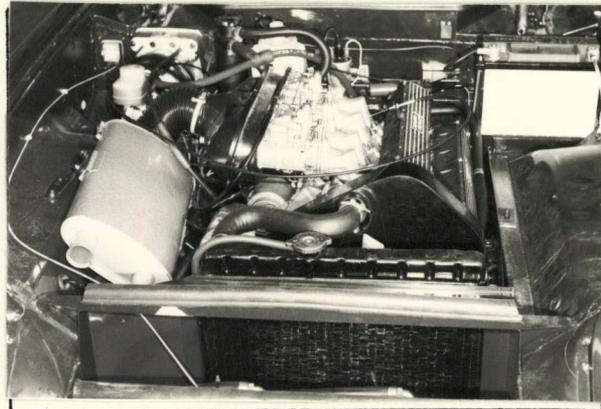
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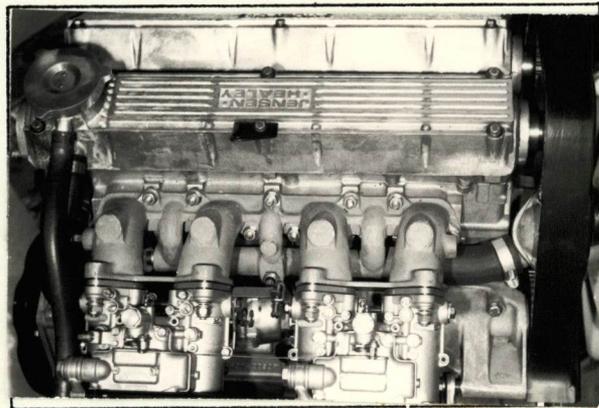
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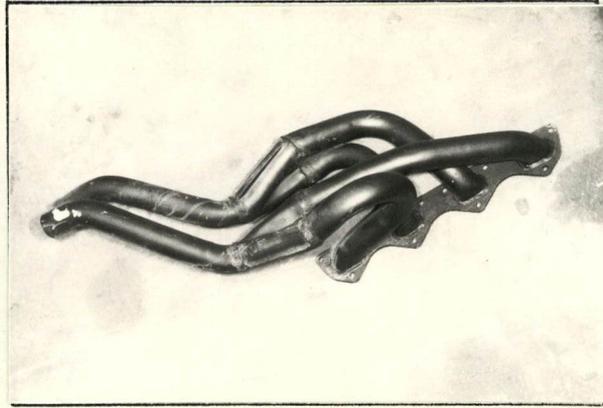
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O

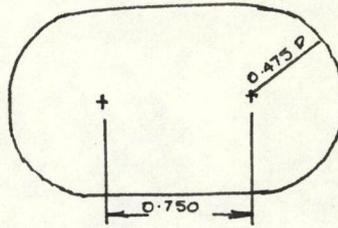


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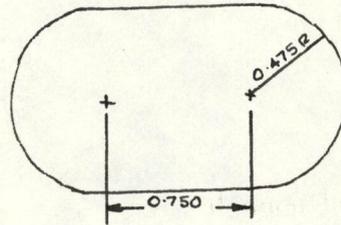


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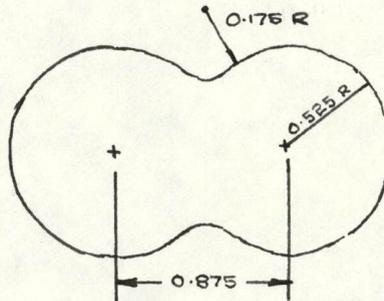
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



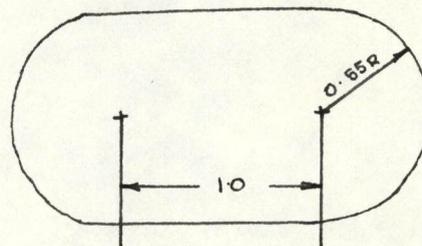
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.



ALL DIMENSIONS \pm .005"

NOTE 1.

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

CAPACITIES AND DIMENSIONS

1. Wheelbase

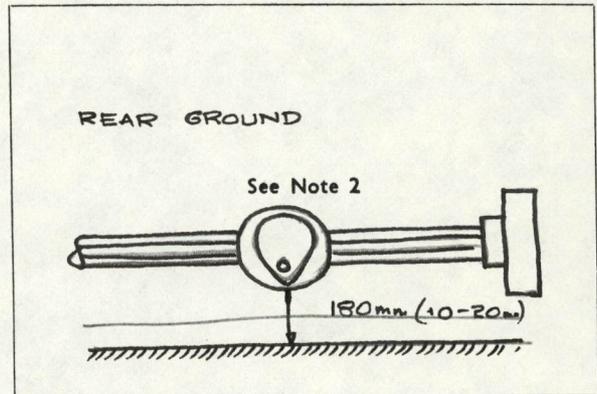
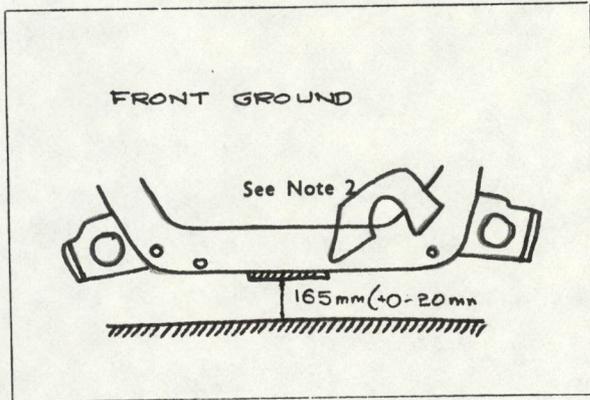
2337 ($\bar{+} 8$) mm. 92 ($\bar{+} 0.25$) inches

2. Front track

1354 ($\bar{+} 8$) mm. 53.31 ($\bar{+} .25$) inches

3. Rear track

1332 ($\bar{+} 8$) mm. 52.44 ($\bar{+} .25$) inches



4. Overall length of the car

4113 ($\bar{+} .8$) cm. 161.93 ($\bar{+} .25$) inches

5. Overall width of the car

1) at front axle, 160.0 ($\bar{+} .8$) cm. 63.0 ($\bar{+} .25$) inches

6. Overall height of the car

2) at rear axle 159.0 ($\bar{+} .8$) cm. 62.6 ($\bar{+} .25$) inches

121.0 ($\bar{+} .8$) cm. 47.64 ($\bar{+} .25$) inches

7. Capacity of fuel tank (reserve included)

50 ltrs.

13.2 gall. U.S.

11 gall. Imp.

8. Seating Capacity. 2 PERSONS ONLY

9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools :

9.9.4 kg.

2027 lbs.

18.10 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 Unitary construction.
- 21. Unitary construction, material(s) Steel sheet.
- 22. Separate construction, Material(s) of chassis -
- 23. Material(s) of coachwork Steel.
- 24. Number of doors 2 Material(s) Steel, Trimmed on inner Surface.
- 25. Material(s) of bonnet Steel.
- 26. Material(s) of boot lid Steel.
- 27. Material(s) of rear-window Perspex. (Clear Plastic Screen)
- 28. Material(s) of windscreen Glass, *laminated available*
- 29. Material(s) of front-door windows Glass
- 30. Material(s) of rear-door windows -
- 31. Sliding system of door windows Vertical slides + hand winder.
- 32. Material(s) of rear-quarter light -

ACCESSORIES AND UPHOLSTERY

- 38. Interior heating : yes — ~~no~~ 39. Air conditioning : ~~yes~~ — no Bucket-Rubber Strap
- 40. Ventilation : yes — no 41. Front seats, type of seat and upholstery Support, Upholstered
- 42. Weight of front seat(s), complete with supports and rails, out of the car : 12.70 kg. 28 lbs.
- 43. Rear seats, type of seat and upholstery None.
- 44. Front bumper, material(s) Weight 4.53 kg. 10 lbs.
- 45. Rear bumper, material(s) Weight 4.53 kg. 10 lbs.

WHEELS

- 50. Type Cast Alum, Alloy 5 $\frac{1}{2}$ J x 13, Flat Hump Safety Ledge.
- 51. Weight (per wheel, without tyre) 6.80 kg. 15 lbs.
- 52. Method of attachment Four stud bolts in hub.
- 53. Rim diameter 330.2 mm. 13" ins. 54. Rim width 199.7 mm. 5 $\frac{1}{2}$ ins.

STEERING

- 60. Type Rack and Pinion, Energy Absorbing Column.
- 61. Servo-assistance : -yes— no
- 62. Number of turns of steering wheel from lock to lock 3.16
- 63. In case of servo-assistance -

SUSPENSION

- 70. Front suspension (photograph D), type Independent, Double Wishbone Coil.
- 71. Type of spring Coil.
- 72. Stabiliser (if fitted) Not fitted.
- 73. Number of shock absorbers 1 per wheel 74. Type Hydraulic
- 78. Rear suspension (photograph E), type Live Axle, Damped Coil Springs.
- 79. Type of spring Coil
- 80. Stabiliser (if fitted) -
- 81. Number of shock absorbers 1 per wheel 82. Type Hydraulic

BRAKES (photographs F and G)

- 90. Method of operation Hydraulic - Servo Assisted
- 91. Servo-assistance (if fitted), type Girling Vacum Assist Type 3B.
- 92. Number of hydraulic master cylinders One Twin

93. Number of cylinders per wheel	Front 2, Rear 1	FRONT	REAR
94. Bore of wheel cylinder(s)	48.0	mm. 1.892 inches	19.0 mm. 0.75 inches

Drum Brakes

95. Inside diameter	mm.	inches	228	mm.	9	inches
96. Length of brake linings	mm.	inches	180	mm.	7.08	inches
97. Width of brake linings	mm.	inches	44	mm.	1.73	inches
98. Number of shoes per brake						
99. Total area per brake	mm. ²	sq. in.	15.93 ² / ₅	mm. ²	24.7	sq. in.

Disc Brakes

100. Outside diameter	254	mm.	10.0	inches	mm.	inches
101. Thickness of disc	9.6	mm.	0.375	inches	mm.	inches
102. Length of brake linings	60	mm.	2.36	inches	mm.	inches
103. Width of brake linings	49	mm.	1.92	inches	mm.	inches
104. Number of pads per brake			2			
105. Total area per brake	1244	mm. ²	8.7	sq. in.	mm. ²	sq. in.

ENGINE (photographs J and K)

- | | | | |
|---|-----------------------|---|--|
| 130. Cycle | 4 | 131. Number of cylinders | 4 |
| 132. Cylinder Arrangement | Inline, 45° Inclined | | |
| 133. Bore | 95.30) mm. 3.751) in. | 134. Stroke | 69.36 mm. 2.731 in.
69.11 mm. 2.721 in. |
| 135. Capacity per cylinder | | | 496 cm. ³ 30.1 cu. in. |
| 136. Total cylinder capacity | | | 1973 cm. ³ 120.5 cu. in. |
| 137. Material(s) of cylinder block | Al. Alloy. | 138. Material(s) of sleeves (if fitted) | Cast Iron. |
| 139. Cylinder head, material(s) | Al. Alloy. | Number fitted | 1 |
| 140. Number of inlet ports | 4 | 141. Number of exhaust ports | 4 |
| 142. Compression ratio | 8.4:1 (± 0.1) | | |
| 143. Volume of one combustion chamber | | | 67 cm. ³ 4.09 cu. in. |
| 144. Piston, material | Al. Alloy | 145. Number of rings | 3 |
| 146. Distance from gudgeon pin centre line to highest point of piston crown | | | 40.97 mm. 1.613 in. |
| 147. Crankshaft: moulded/ stamped | | 148. Type of crankshaft: integral/ | Modular Graphite Cast Iron. |
| 149. Number of crankshaft main bearings | 5 | | |
| 150. Material of bearing cap | Al. Alloy. | | |
| 151. System of lubrication: dry-sump /oil in sump | | | |
| 152. Capacity, lubricant | 5.85 ltrs. 10.3 pts. | 6.1 quarts U.S. | Water, engine driven fan. |
| 153. Oil cooler: yes/no Yes | | 154. Method of engine cooling | |
| 155. Capacity of cooling system | 6.8 ltrs. 12 pts. | 7.1 quarts U.S. | |
| 156. Cooling fan (if fitted) dia. | | 32.5 cm. | 12.8 in. |
| 157. Number of blades of cooling fan | 8 Blade. | | |

Bearings

- | | | | | | | |
|-----------------------------------|--------------------------|------|------|------|------|-----|
| 158. Crankshaft main, type | Plain shell lead bronzed | dia. | 63.5 | m.m. | 2.50 | in. |
| 159. Connecting rod big end, type | Plain shell lead bronzed | dia. | 50.8 | m.m. | 2.00 | in. |

Weights

- | | | | | | |
|---|------------------|---------------------|----------|------|------|
| 160. Flywheel (clean) | | 9.3 | kg. | 20.5 | lbs. |
| 161. Flywheel with clutch (all turning parts) | | 15.1 | kg. | 33.3 | lbs. |
| 162. Crankshaft | 17.2 kg. 38 lbs. | 163. Connecting rod | 0.91 kg. | 2.0 | lbs. |
| 164. Piston with rings and pin | | 0.775 | kg. | 1.71 | lbs. |

FOUR STROKE ENGINES

170. Number of camshafts 2 171. Location Overhead
 172. Type of camshaft drive Toothed belt - one.
 173. Type of valve operation Direct operation bucket tappets

INLET (see page 4)*

180. Material(s) of inlet manifold Al. Alloy
 181. Diameter of valves 33.56 mm. 1.40 ins.
 182. Max. valve lift 8.63 mm. 0.340 in. 183. Number of valve springs 2 per valve
 184. Type of spring Helical coil 185. Number of valves per cylinder 2
 186. Tappet clearance for checking timing (cold/warm) 0.18 - 0.13 mm. .007 - .005 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) 21° B.T.D.C.
 188. Valves close at (with tolerance for tappet clearance indicated) 71° A.B.D.C.
 189. Air filter, type Paper Element.

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold Fabricated steel tube
 196. Diameter of valves 3.09 mm. 1.215 ins.
 197. Max. valve lift 8.63 mm. 0.340 in. 198. Number of valve springs 2 per valve
 199. Type of spring Helical coil 200. Number of valves per cylinder 2
 201. Tappet clearance for checking timing (cold/warm) 0.30/0.25 mm. 0.012/0.010 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 71° B.B.D.C.
 203. Valves close at (with tolerance for tappet clearance indicated) 21° A.T.D.C.
 204. Diameter outlet orifice exhaust manifold 44.4 mm. 1.75 ins.

CARBURETION (photograph N)

210. Number of carburettors fitted 2 211. Type Fixed twin choke
 212. Make Dellorto 213. Model 40 D.H.L.A.
 214. Number of mixture passages per carburettor 2
 215. Flange hole diameter of exit port(s) of carburettor 40 mm. 1.57 ins.
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)
 35. mm. 1.38 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.

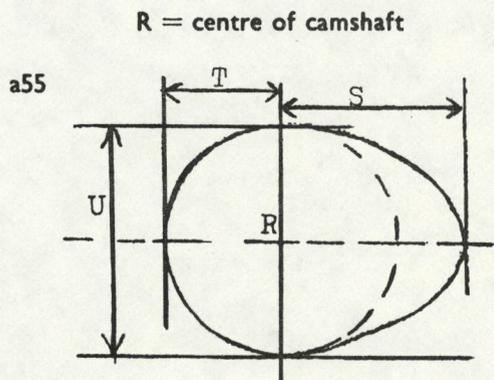
* For additional information concerning two-stroke engines and super-charged engines, see page 13.

ENGINE ACCESSORIES

230. Fuel pump : mechanical and/or electrical SU AUF 301
231. No. fitted One
232. Type of ignition system Coil 233. No. of distributors One
234. No. of ignition coils One 235. No. of spark plugs per cylinder One
236. Generator, type : dynamo/alternator—number fitted A. C. Delco DN 460
237. Method of drive V Belt off crank
238. Voltage of generator 13-15 volts
239. Battery, number Lucas Pacemaker A211 50ah
240. Location On engine compartment bulkhead
241. Voltage of battery 12 volts

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

250. Max. engine output 144 (type of horsepower: S.A.E. 60) at 6500 r.p.m.
251. Max. r.p.m. 7000 output at that figure 140 (S.A.E. 60)
252. Max. torque 137 ft. lbs. at 5000 r.p.m.
253. Max. speed of the car 193 km./hour 120 miles/hour



Inlet cam

S =	24.1	mm.	0.95	inches
T =	15.2	mm.	0.60	inches
U =	30.5	mm.	1.20	inches

Exhaust cam

S =	24.1	mm.	0.95	inches
T =	15.2	mm.	0.60	inches
U =	30.5	mm.	1.20	inches

IMPORTANT :

During the scrutineering of cars entered in group 5 (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.

- 1) Tolerance on machined components not specified: $\pm 0.005''$
- 2) Tolerance on un-machined items: $\pm 0.1''$
- 3) Emission Carburettors; Dual Stromberg CD 2SE, in lieu of Dellorto for Exhaust Emission Control Vehicles.



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

Manufacturer Jensen
Model Jensen- Healey
F.I.A. Recognition No. 3048
Amendment No. 1/IV

"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

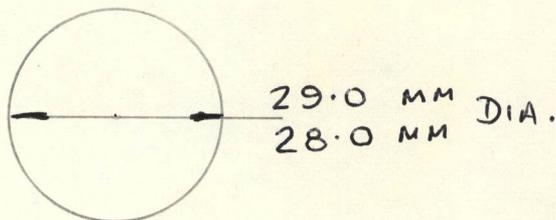
Reference No.

Option: Sand-cast Cyl. Head

Page 4

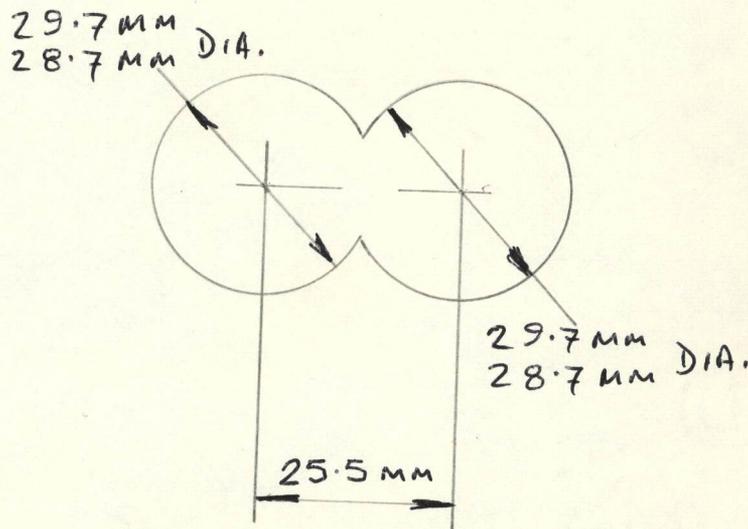
Drawing of inlet manifold
port

Drawing of inlet port of
cyl. head



Drawing of exhaust mani-
fold ports

Drawing of exit to exhaust
port of cyl. head



Page 8

139 Cylinder Head Material: Sand- cast aluminium alloy

Angle of inlet port face to cylinder head gasket face: On standard engine 20° On optional engine 30°

Date amendment is valid from 1 h 73

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



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

Manufacturer Jensen

Model Jensen-Healey

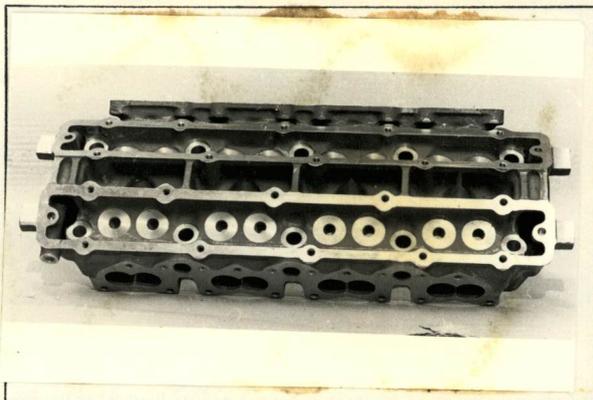
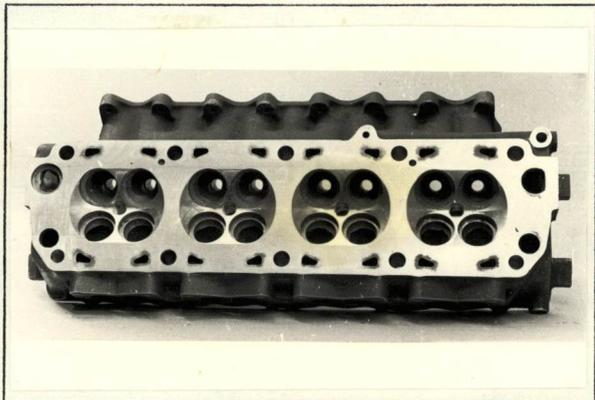
F.I.A. Recognition No. 3048

Amendment No. 1/IV

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

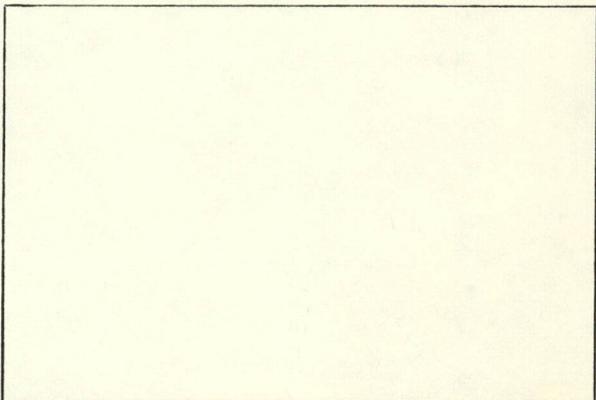
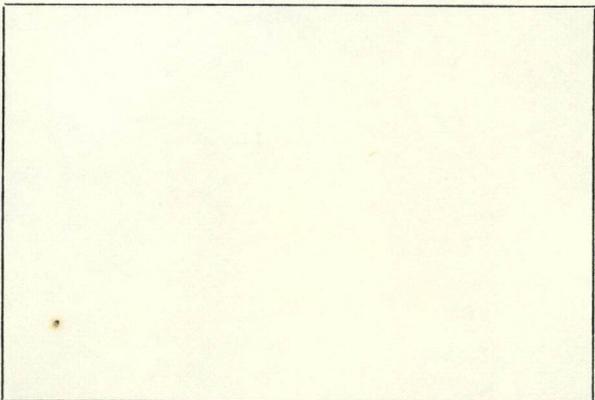
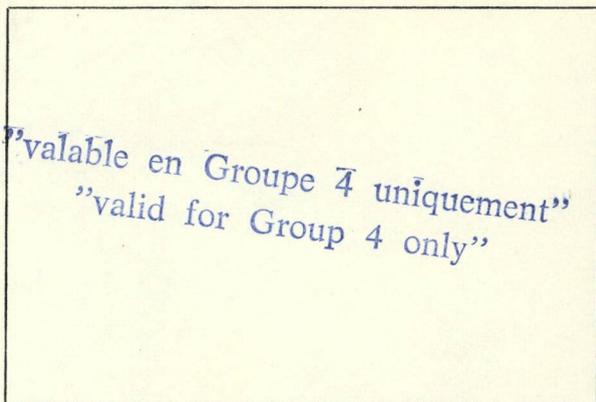
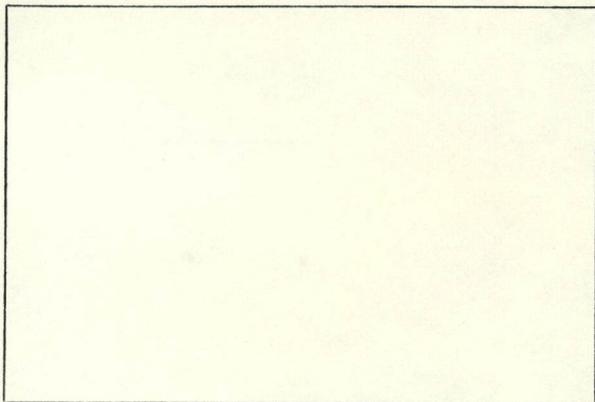
PHOTOGRAPHS MUST BE 3" x 2" AND A MATT FINISH



Photograph L

Sand-cast Cylinder Head

Top View



Date amendment is valid from.....

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