F.I.A. Recognition No. 559

Group 3 (Grand 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 3995 cm.³ ..... in.³

Manufacturer Aston Martin Lagonda Ltd.

Model DB6

Serial No. of chassis/body DB6 2351

Manufacturer Aston Martin Lagonda Ltd.

Serial No. of engine 400/2365

Manufacturer Aston Martin Lagonda Ltd.

Recognition is valid from 1st April '67

List 16/1

The manufacturing of the model described in this recognition form started on 10th October, 1965 and the minimum production of 500 identical cars, in accordance with the specifications of this form was reached on 8th July, 1966

Photograph A, ¾ view of car from front

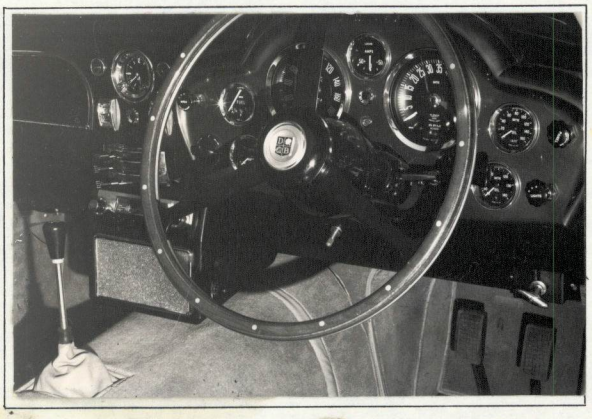
F.I.A. Stamp

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

R.A.C. Stamp

B

C



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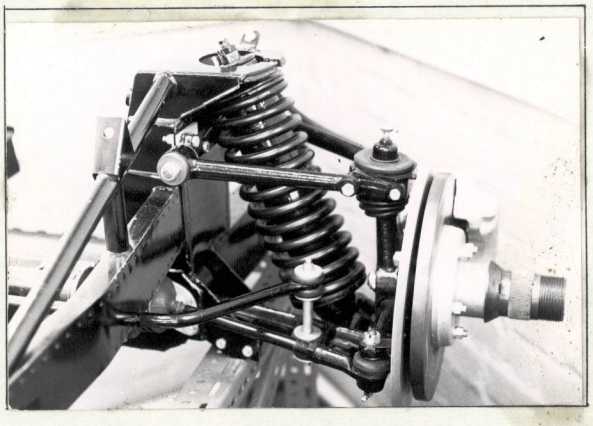

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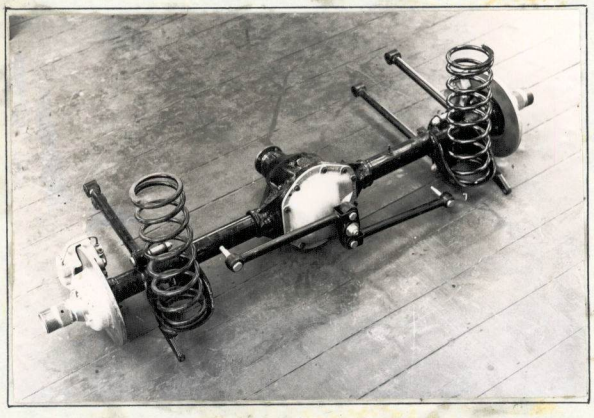

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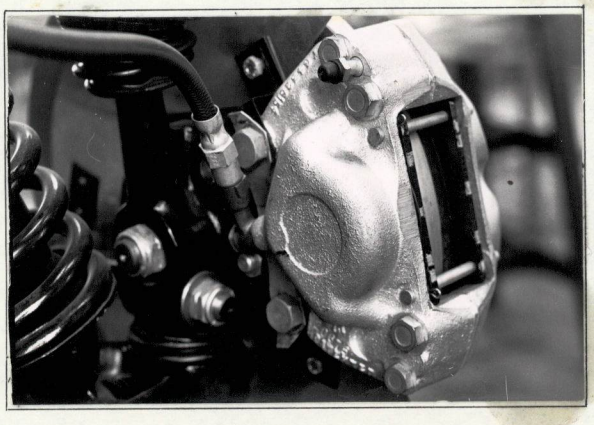

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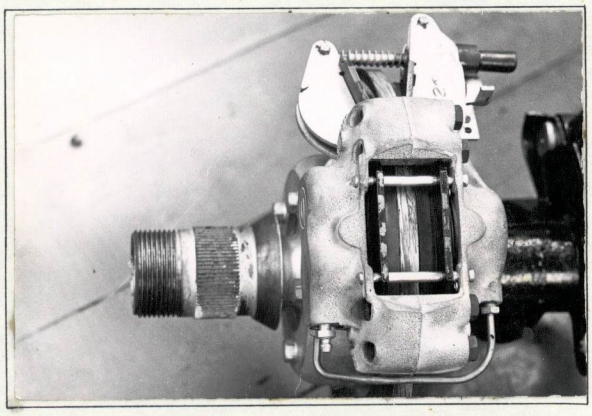

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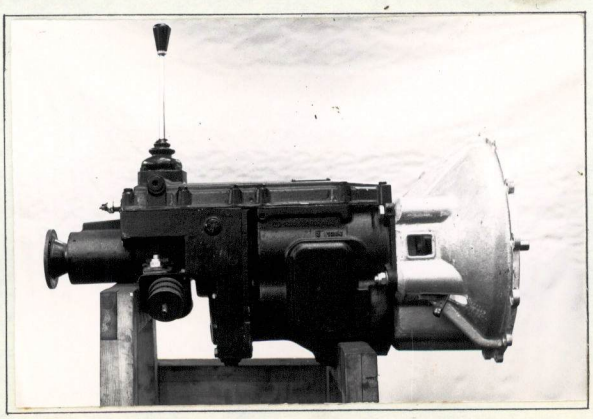

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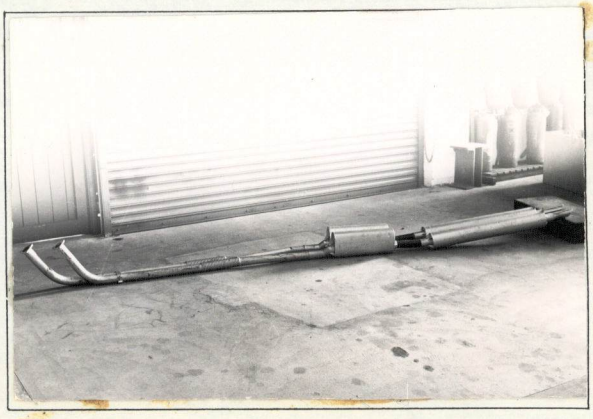

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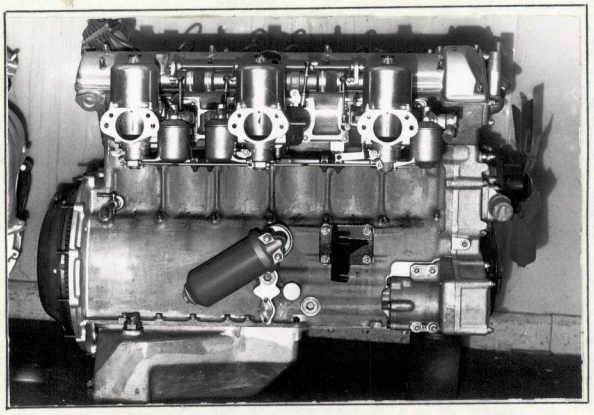

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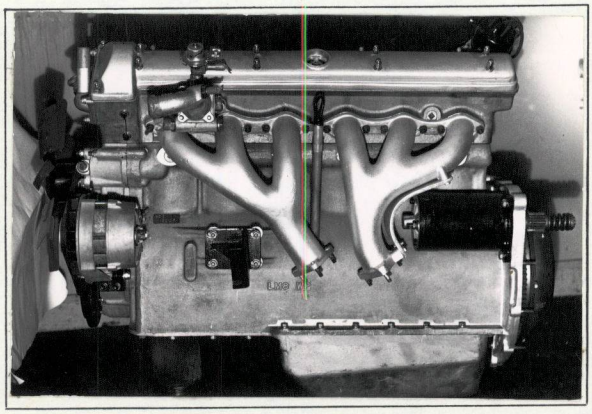

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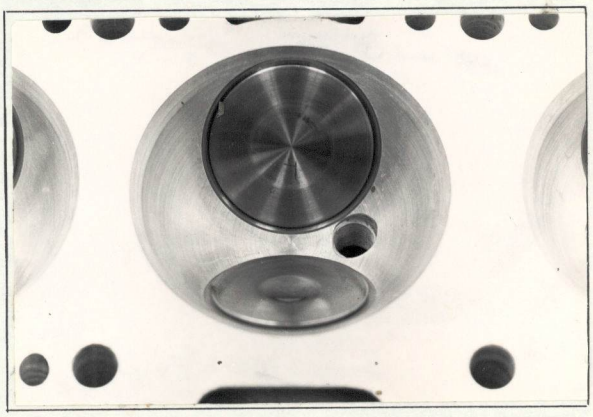

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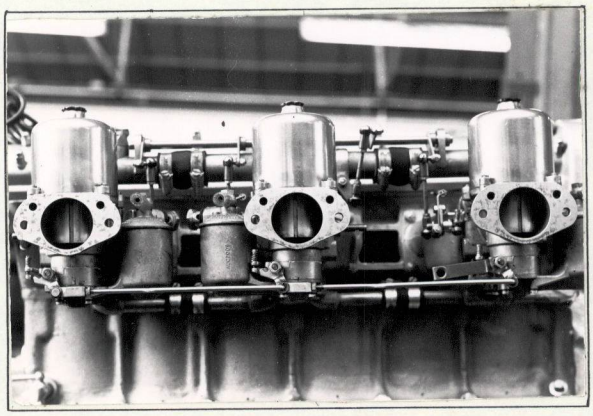

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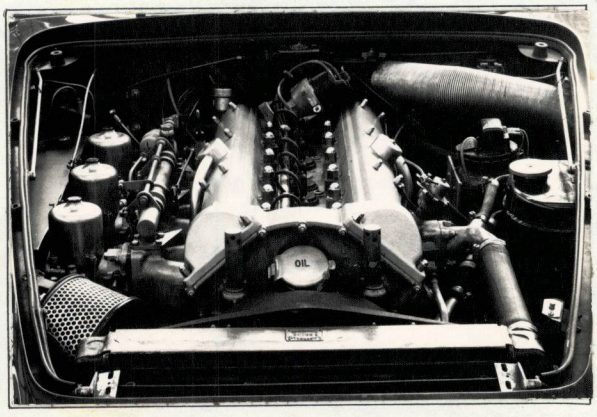

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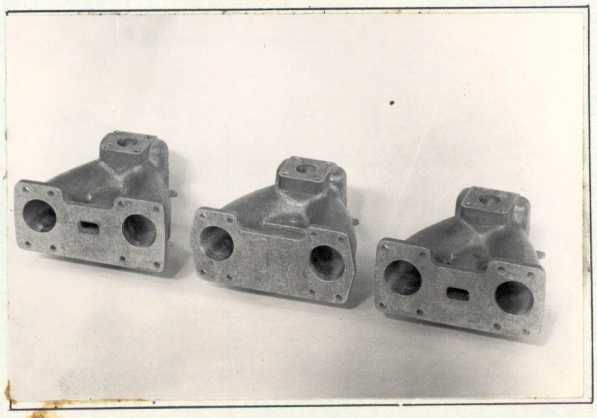

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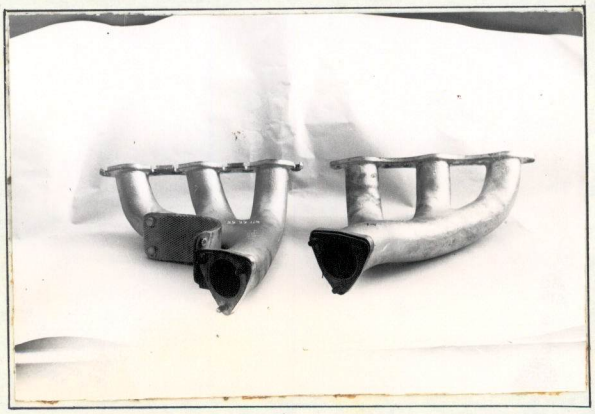


Make Aston Martin Model DB6 F.I.A. Rec. No.

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.

Make Aston Martin Model DB6 F.I.A. Rec. No.

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction: separate/~~unitary construction~~ (Superleggera)
21. Unitary construction, material(s) Not applicable.
22. Separate construction, Material(s) of chassis Steel
23. Material(s) of coachwork Aluminium.
24. Number of doors Two Material(s) Aluminium.
25. Material(s) of bonnet Aluminium.
26. Material(s) of boot lid Aluminium.
27. Material(s) of rear-window Glass (Heated).
28. Material(s) of windscreen Glass (Laminated).
29. Material(s) of front-door windows Glass (Toughened).
30. Material(s) of rear-door windows Not applicable.
31. Sliding system of door windows Electrically operated.
32. Material(s) of rear-quarter light Glass (Toughened).

ACCESSORIES AND UPHOLSTERY

38. Interior heating : yes — ~~no~~
39. Air conditioning : ~~yes~~ — no - optional
40. Ventilation : yes — ~~no~~
41. Front seats, type of seat and upholstery bucket/leather.
42. Weight of front seat(s), complete with supports and rails, out of the car : 34.5 kg. 76 lbs.
43. Rear seats, type of seat and upholstery Bench/Leather.
44. Front bumper, material(s) Steel Weight 4.1 kg. 9 lbs.
45. Rear bumper, material(s) Steel Weight 5.2 kg. 11½ lbs.

WHEELS

50. Type Spoked
51. Weight (per wheel, without tyre) 9 kg. 20 lbs.
52. Method of attachment Center lock 'two eared, three eared or octagonal hub nut)
53. Rim diameter 381 mm. 15 ins. 54. Rim width 140 mm. 5.5 ins.

STEERING

60. Type Rack and pinion.
61. Servo-assistance : ~~yes~~ — no
62. Number of turns of steering wheel from lock to lock 3⅛.
63. ~~In case of servo-assistance~~

Make Aston Martin. Model DB6 F.I.A. Rec. No.

SUSPENSION

70. Front suspension (photograph D), type Independent - coil spring and wishbone.
71. Type of spring Helical coil.
72. Stabiliser (if fitted)
73. Number of shock absorbers Two 74. Type Hydraulic double acting telescopic.
78. Rear suspension (photograph E), type Live axle with coil springs, trailing arms and Watts link.
79. Type of spring Helical coil.
80. Stabiliser (if fitted)
81. Number of shock absorbers Two. 82. Type Selectaride, lever type hydraulic.

BRAKES (photographs F and G)

90. Method of operation Hydraulic.
91. Servo-assistance (if fitted), type
92. Number of hydraulic master cylinders - one -- tandem.
93. Number of cylinders per wheel 3 - one large two small

	FRONT				REAR			
94. Bore of wheel cylinder(s)	L. 57.2 S. 41.2	mm.	2.25 1.62	inches	42.6 30.2	mm.	1.68 1.18	inches
Drum Brakes								
95. Inside diameter		mm.		inches		mm.		inches
96. Length of brake linings		mm.		inches		mm.		inches
97. Width of brake linings		mm.		inches		mm.		inches
98. Number of shoes per brake								
99. Total area per brake		mm.^{2}		sq. in.		mm.^{2}		sq. in.
Disc Brakes								
100. Outside diameter	292	mm.	11.5	inches	273	mm.	10.75	inches
101. Thickness of disc	158	mm.	.625	inches	127	mm.	.500	inches
102. Length of brake linings	855	mm.	3.37	inches	76.2	mm.	3	inches
103. Width of brake linings	508	mm.	2	inches	44.4	mm.	1.75	inches
104. Number of pads per brake	2							
105. Total area per brake	8700	mm.^{2}	13.5	sq. in.	4500	mm.^{2}	7	sq. in.

Make Aston Martin Model DB6 F.I.A. Rec. No.

ENGINE (photographs J and K)

130. Cycle Four stroke.
131. Number of cylinders 6
132. Cylinder Arrangement Vertical, in line.
133. Bore 96 mm. 3.78 in.
134. Stroke 92 mm. 3.622 in.
135. Capacity per cylinder 666 cm.³ 41 cu. in.
136. Total cylinder capacity 3995 cm.³ 247 cu. in.
137. Material(s) of cylinder block Aluminium
138. Material(s) of sleeves (if fitted) Cast Iron.
139. Cylinder head, material(s) Aluminium
Number fitted One.
140. Number of inlet ports Six
141. Number of exhaust ports Six.
142. Compression ratio
143. Volume of one combustion chamber cm.³ cu. in.
144. Piston, material
145. Number of rings Four
146. Distance from gudgeon pin centre line to highest point of piston crown mm. in.
147. Crankshaft : ~~moulded~~/stamped
148. Type of crankshaft: integral/..... Yes.
149. Number of crankshaft main bearings 7
150. Material of bearing cap Aluminium.
151. System of lubrication : ~~dry sump~~/oil in sump
152. Capacity, lubricant 13 ltrs. 23 pts. 13.5 quarts U.S.
153. Oil cooler : yes/~~no~~
154. Method of engine cooling - liquid.
155. Capacity of cooling system 16 ltrs. 28 pts. 16.5 quarts U.S.
156. Cooling fan (if fitted) dia. cm. in.
157 Number of blades of cooling fan

Bearings

158. Crankshaft main, type Vandervell or Glacier Lead Indium VP2 or lead tin. dia. 70 m.m. 2.75 in.
159. Connecting rod big end, type dia. 57 m.m. 2.25 in.

Weights

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

Make Aston Martin Model DB6. F.I.A. Rec. No.

FOUR STROKE ENGINES

170. Number of camshafts 2 171. Location Overhead.

172. Type of camshaft drive Chain.

173. Type of valve operation Cam O- via inverted bucket tapped direct to valve.

INLET (see page 4)*

180. Material(s) of inlet manifold Aluminium.

181. Diameter of valves 51 mm. 2.010 ins.

182. Max. valve lift mm. in. 183. Number of valve springs 2 per valve.

184. Type of spring Coil 185. Number of valves per cylinder 2.

186. Tappet clearance for checking timing (cold) mm. ins.

187. Valves open at (with tolerance for tappet clearance indicated)

188. Valves close at (with tolerance for tappet clearance indicated)

189. Air filter, type

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold Cast Iron

196. Diameter of valves 47.6 mm. 1.875 ins.

197. Max. valve lift 10.8 mm. .425 in. 198. Number of valve springs 2 per valve.

199. Type of spring Coil 200. Number of valves per cylinder 2

201. Tappet clearance for checking timing (cold) mm. ins.

202. Valves open at (with tolerance for tappet clearance indicated)

203. Valves close at (with tolerance for tappet clearance indicated)

CARBURETION (photograph N)

210. Number of carburettors fitted 3 211. Type Horizontal.

212. Make S.U. 213. Model H.D. 8

214. Number of mixture passages per carburettor One.

215. Flange hole diameter of exit port(s) of carburettor mm. ins.

216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU) mm. 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.

Make Aston Martin. Model DB6 F.I.A. Rec. No.

ENGINE ACCESSORIES

230. Fuel pump : mechanical and/or electrical

231. No. fitted One (dual)

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 One.

237. Method of drive Belt.

238. Voltage of generator 12 volts

239. Battery, number One.

240. Location Under rear seat (up to chassis) In trunk (from chassis)

241. Voltage of battery 12 volts

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

250. Max. engine output (type of horsepower:) at r.p.m.

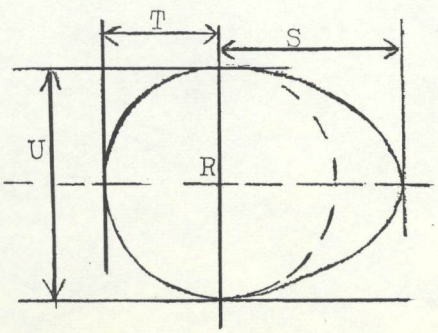
251. Max. r.p.m. output at that figure

252. Max. torque at r.p.m.

253. Max. speed of the car km./hour miles/hour

R = centre of camshaft

a55



Inlet cam

S = mm. inches

T = mm. inches

U = mm. inches

Exhaust cam

S = mm. inches

T = mm. inches

U = mm. inches

Make Aston Martin. Model DB6 F.I.A. Rec. No.

DRIVE TRAIN

CLUTCH

260. Type of clutch Diaphragm.

261. No. of plates One.

262. Dia. of clutch plates 24.2 cm. 9.5 ins.

263. Dia. of linings, inside 16.5 cm. 6.5 ins.

outside 24.2 cm. 9.5 ins.

264. Method of operating clutch Hydraulic.

GEAR BOX (photograph H)

270. Manual type, make ZF

Method of operation Central gear lever.

271. No. of gear-box ratios forward 5

272. Synchronized forward ratios 5

273. Location of gear-shift Floor mounted.

274. Automatic, make (optional) Borg Warner. type Model 8.

275. No. of forward ratios 3

276. Location of gear shift Floor mounted.

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	2.73	43/34 x 41/19						
2	1.76	43/34 x 46/33						
3	1.23	43/34 x 38/39						
4	1.00	Direct.						
5	.834	43/34 x 31/47						
6								
reverse	3.31	43/34 x 42/16						

278. Overdrive, type

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

FINAL DRIVE

290. Type of final drive Hypoid

291. Type of differential

292. Type of limited slip differential (if fitted) (optional)

293. Final drive ratio 3.73 Number of teeth 11/41

Make Aston Martin. Model DB6 F.I.A. Rec. No.

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

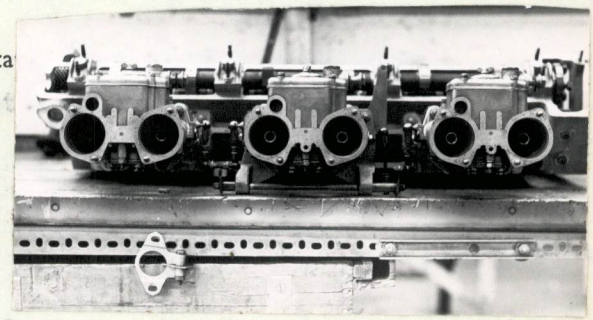
on 19 rec. no. List on 19 rec. no. List

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 sta

1) Engine equipped with 3 Weber 45 DCOE9 Carburet Carburettors. (Photograph i)& ii)
2) Limited Slip differential.
3) Road wheels with 152.4mm 6" wide light alloy rims weight 18 lbs. 8.2 kg.
4) Air conditioning Normalair or Coolair. NB Normalair installation reduced fuel tank capacity to 16 Galls. 72.5 litre 19.2 US Galls.
5) Borg Warner Model 8 Auto. Transmission (Photo iii).
6) 3.54:1 optional axle ratio.



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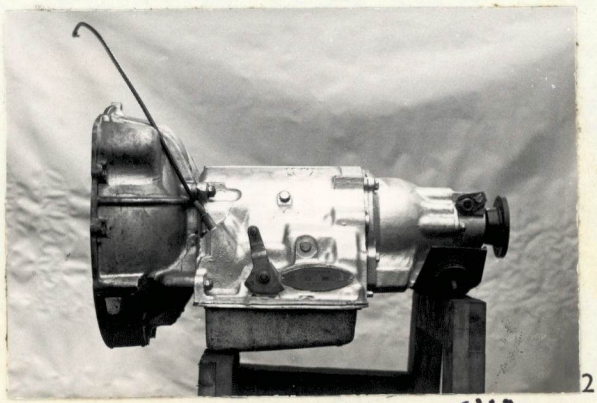

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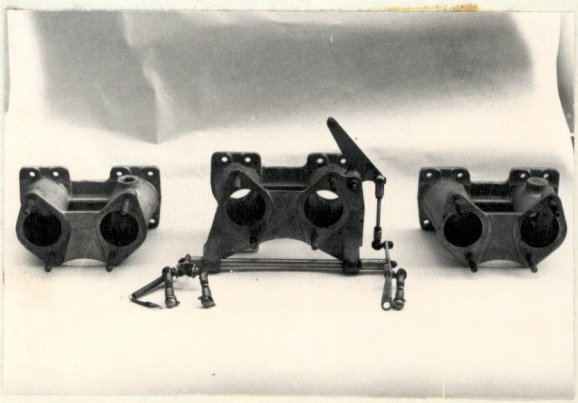

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