F.I.A. Recognition No. 5092

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

Cylinder-capacity 2995 cm.³ 183 in.³

Manufacturer Rover Company Limited — Model 3 Litre

Serial No. of chassis/body 77000001 & 80000001 — Manufacturer Rover

Serial No. of engine 77000001 & 80000001 — Manufacturer Rover

Recognition is valid from 1st May 1966 — List 14/4

The manufacturing of the model described in this recognition form started on September 1962 and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on July 1963

Photograph A, ¾ view of car from front

F.I.A. Stamp

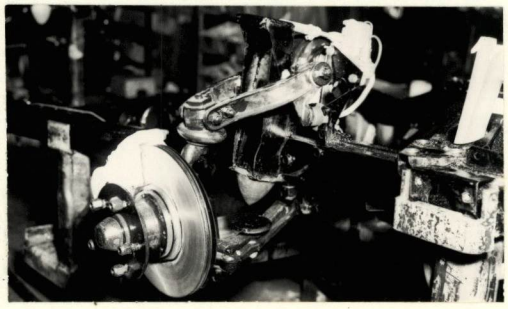
R.A.C. Stamp

Make Rover Model 3 Litre F.I.A. Rec. No. 5092

B

C

D



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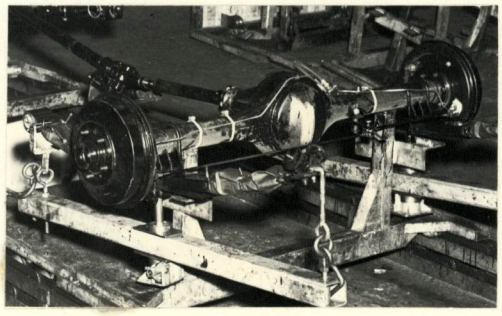

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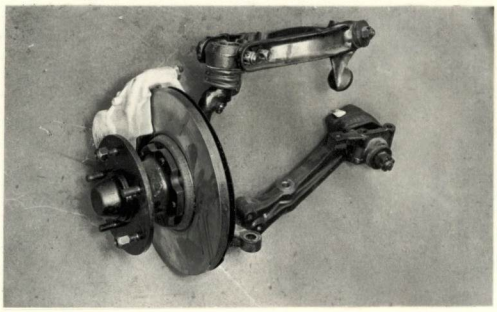

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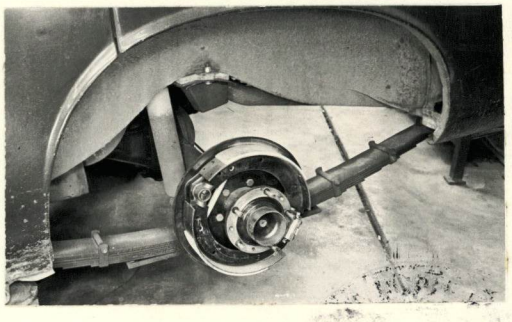

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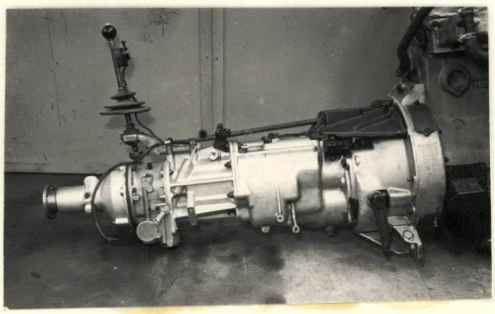

I

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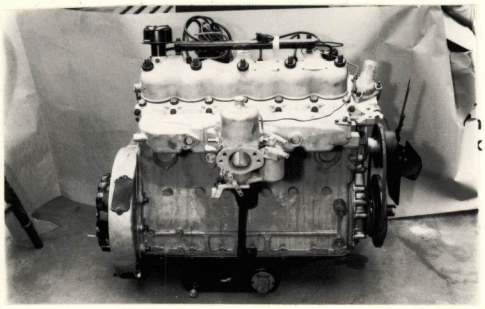
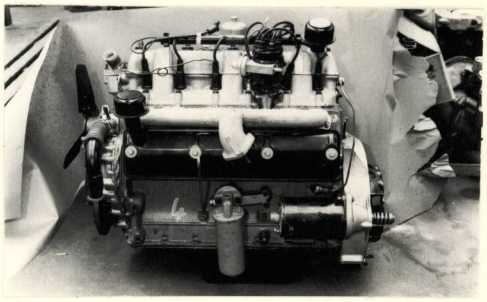
J

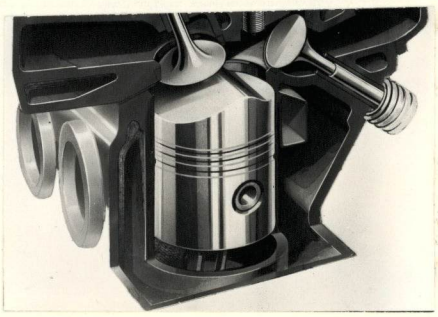


K



L

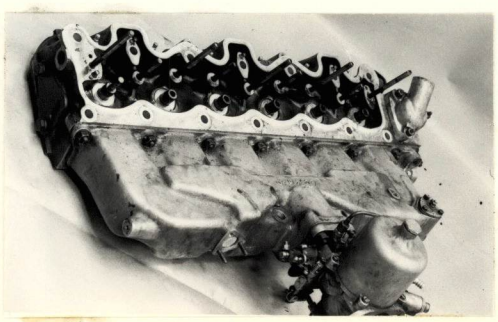
M



N

O

P



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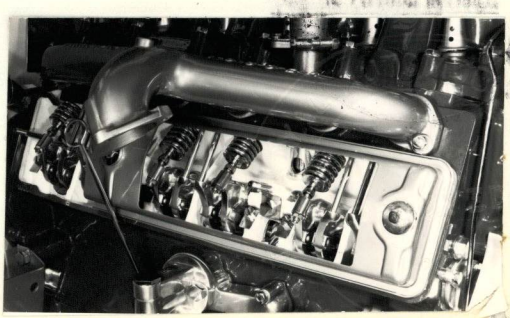
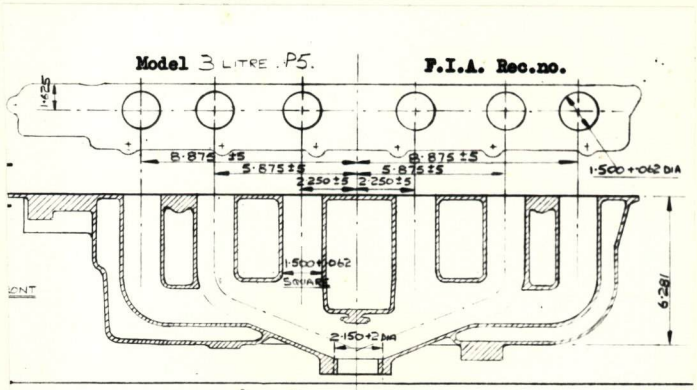
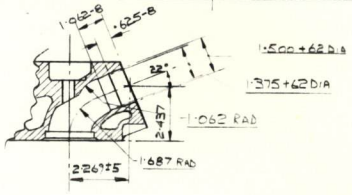


Make Rover Model 3 Litre F.I.A. Rec. No. 5092

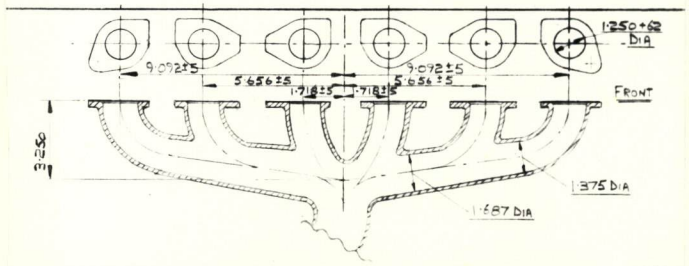
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



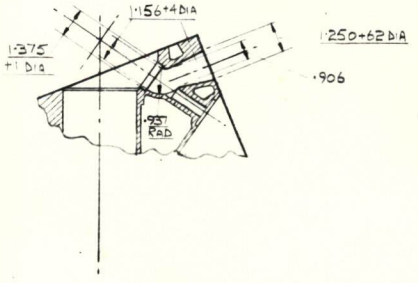
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.



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NOTE 1.

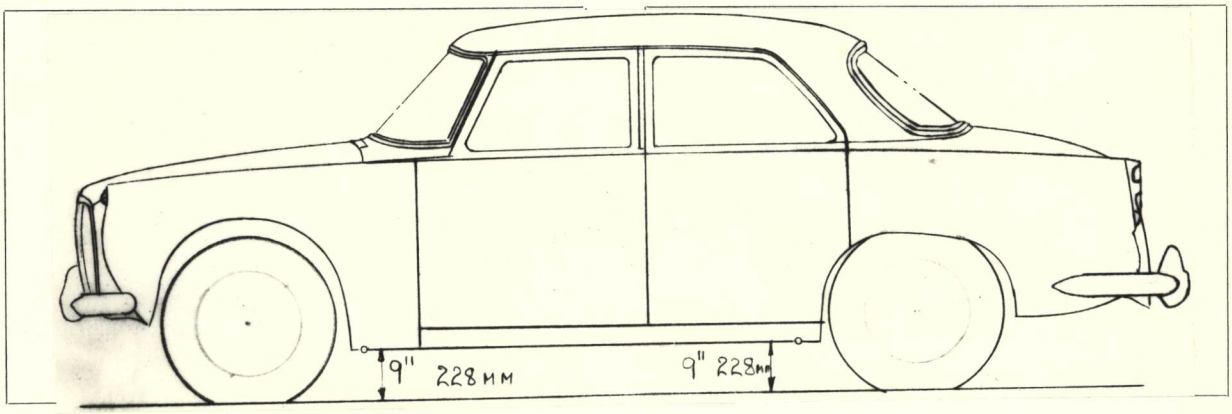
All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

1. Wheelbase 2807 mm. 110.5 inches

2. Front track 1405 mm. 55.3125 inches

3. Rear track 1422 mm. 56.0 inches



4. Overall length of the car 474 cm. 186.5 inches

5. Overall width of the car 178 cm. 70.0 inches

6. Overall height of the car 155 cm. 61.0 inches

7. Capacity of fuel tank (reserve included)
63.5 ltrs. 16.8 gall. U.S. 14 gall. Imp.

8. Seating Capacity.

9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools :
1651 kg. 3640 lbs. [illegible] 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.

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CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction: separate/~~unitary construction~~
21. Unitary construction, material(s) —
22. Separate construction, Material(s) of chassis Welded steel
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 Glass
28. Material(s) of windscreen Laminated or toughened glass
29. Material(s) of front-door windows Glass
30. Material(s) of rear-door windows Glass
31. Sliding system of door windows Mechanical wind
32. Material(s) of rear-quarter light Glass

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 Leather
42. Weight of front seat(s), complete with supports and rails, out of the car : 30 kg. 65.5 lbs.
43. Rear seats, type of seat and upholstery Leather
44. Front bumper, material(s) Steel Weight 6.0 kg. 13.25 lbs.
45. Rear bumper, material(s) Steel Weight 6.6 kg. 14.5 lbs.

WHEELS

50. Type 5K x 15 disc
51. Weight (per wheel, without tyre) 9.75 kg. 21.5 lbs.
52. Method of attachment Five double-ended nuts
53. Rim diameter 381 mm. 15 ins. 54. Rim width 127 mm. 5.0 ins.

STEERING

60. Type Recirculating ball or worm and peg
61. Servo-assistance : ~~yes — no~~ optional
62. Number of turns of steering wheel from lock to lock $4\frac{1}{4}$
63. In case of servo-assistance $2\frac{1}{2}$

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SUSPENSION

70. Front suspension (photograph D), type Independent
71. Type of spring Laminated torsion bar
72. Stabiliser (if fitted) Anti-roll bar
73. Number of shock absorbers Two 74. Type Telescopic
78. Rear suspension (photograph E), type Semi-elliptic
79. Type of spring Leaf
80. Stabiliser (if fitted) —
81. Number of shock absorbers Two 82. Type Telescopic

BRAKES (photographs F and G)

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

		FRONT		REAR	
93. Number of cylinders per wheel	Two			One	
94. Bore of wheel cylinder(s)	60.6	mm. 2.385	inches	19.05 mm. 0.750	inches
Drum Brakes					
95. Inside diameter		mm.	inches	279.4 mm. 11.0	inches
96. Length of brake linings		mm.	inches	219.5 mm. 8.625	inches
97. Width of brake linings		mm.	inches	57.2 mm. 2.25	inches
98. Number of shoes per brake				Two	
99. Total area per brake		mm.²	sq. in.	25100 mm.² 43.0	sq. in.
Disc Brakes					
100. Outside diameter	273	mm. 10.75	inches	mm.	inches
101. Thickness of disc	14.4	mm. 0.568	inches	mm.	inches
102. Length of brake linings	72.0	mm. 2.84	inches	mm.	inches
103. Width of brake linings	58.7	mm. 2.31	inches	mm.	inches
104. Number of pads per brake		Two			
105. Total area per brake	8470	mm.² 13.2	sq. in.	mm.²	sq. in.

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ENGINE (photographs J and K)

130. Cycle Four stroke

131. Number of cylinders Six

132. Cylinder Arrangement Vertical in line

133. Bore 77.8 mm. 3.063 in.

134. Stroke 105 mm. 4.134 in.

135. Capacity per cylinder 499 cm.³ 30.44 cu. in.

136. Total cylinder capacity 2995 cm.³ 183 cu. in.

137. Material(s) of cylinder block Cast iron

138. Material(s) of sleeves (if fitted) --

139. Cylinder head, material(s) Aluminium alloy Number fitted One

140. Number of inlet ports Six

141. Number of exhaust ports Six

142. Compression ratio 8.75:1

143. Volume of one combustion chamber 64.4 ± 1.0 cm.³ 3.93 ± 0.06 cu. in.

144. Piston, material Aluminium alloy

145. Number of rings Three

146. Distance from gudgeon pin centre line to highest point of piston crown 66.9 mm. 2.634 in.

147. Crankshaft : ~~moulded~~/stamped

148. Type of crankshaft: integral/~~yes~~

149. Number of crankshaft main bearings Seven

150. Material of bearing cap Cast iron

151. System of lubrication: ~~dry sump~~/oil in sump

152. Capacity, lubricant 5.5 ltrs. 10 pts. 5.75 quarts U.S.

153. Oil cooler : ~~yes~~/no

154. Method of engine cooling Liquid coolant

155. Capacity of cooling system 14.5 ltrs. 26 pts. 15.6 quarts U.S.

156. Cooling fan (if fitted) dia. 20.1 cm. 7.875 in.

157 Number of blades of cooling fan Four

Bearings

158. Crankshaft main, type Copper lead dia. 66.66 m.m. 2.6245 in.

159. Connecting rod big end, type Copper lead dia. 47.63 m.m. 1.875 in.

Weights

160. Flywheel (clean) 12.25 kg. 27.0 lbs.

161. Flywheel with clutch (all turning parts) 21.8 kg. 48.0 lbs.

162. Crankshaft 27.7kg. 61 lbs.

163. Connecting rod 0.87 kg. 1.91 lbs.

164. Piston with rings and pin 0.55 kg. 1.20 lbs.

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FOUR STROKE ENGINES

170. Number of camshafts One
171. Location Cylinder block
172. Type of camshaft drive Chain
173. Type of valve operation Inlet: roller cam followers and pushrods
Exhaust: roller cam followers

INLET (see page 4)*

180. Material(s) of inlet manifold Aluminium alloy
181. Diameter of valves 45.6 mm. 1.797 ins.
182. Max. valve lift 10.06 mm. 0.396 in.
183. Number of valve springs Two per valve
184. Type of spring Coil
185. Number of valves per cylinder One
186. Tappet clearance for checking timing (~~cold~~) (hot) 0.15 mm. 0.006 ins.
187. Valves open at (with tolerance for tappet clearance indicated) 12 deg B.T.D.C.
188. Valves close at (with tolerance for tappet clearance indicated) 46 deg 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 32.13 mm. 1.265 ins.
197. Max. valve lift 10.5 mm. 0.414 in.
198. Number of valve springs Two per valve
199. Type of spring Coil
200. Number of valves per cylinder One
201. Tappet clearance for checking timing (cold) 0.25 mm. 0.010 ins.
202. Valves open at (with tolerance for tappet clearance indicated) 47 deg B.B.D.C.
203. Valves close at (with tolerance for tappet clearance indicated) 17 deg A.T.D.C.

CARBURETION (photograph N)

210. Number of carburettors fitted One
211. Type Horizontal
212. Make S.U.
213. Model HD 8
214. Number of mixture passages per carburettor One
215. Flange hole diameter of exit port(s) of carburettor 50.8 mm. 2.00 ins.
216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example: SU) 43 mm. 1.56 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.

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ENGINE ACCESSORIES

230. Fuel pump : ~~mechanical and/or~~ electrical

231. No. fitted One, dual inlet

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 In boot

241. Voltage of battery 12 volts

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

250. Max. engine output 134 bhp (type of horsepower: installed) at 5000 r.p.m.

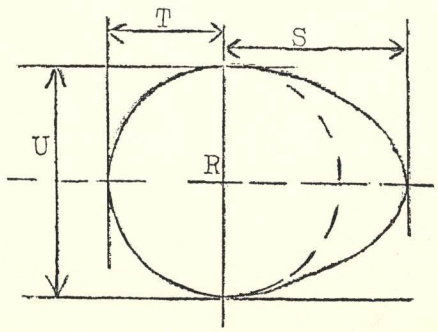
251. Max. r.p.m. 5200 output at that figure 125 bhp

252. Max. torque 169 lbs ft at 1750 r.p.m.

253. Max. speed of the car 184 km./hour 115 miles/hour

R = centre of camshaft

a55



Inlet cam

S =	22.87	mm.	0.901	inches
T =	16.05	mm.	0.632	inches
U =	32.10	mm.	1.264	inches

Exhaust cam

S =	23.14	mm.	0.911	inches
T =	16.05	mm.	0.632	inches
U =	32.10	mm.	1.264	inches

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DRIVE TRAIN

CLUTCH

260. Type of clutch Dry plate

261. No. of plates One

262. Dia. of clutch plates 25.4 cm. 10.0 ins.

263. Dia. of linings, inside 17.05 cm. 6.75 ins.

outside 25.4 cm. 10.0 ins.

264. Method of operating clutch Hydraulic

GEAR BOX (photograph H)

270. Manual type, make Rover Method of operation Floor mounted lever

271. No. of gear-box ratios forward Four 272. Synchronized forward ratios 2nd, 3rd, 4th

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	3.373	$\frac{31}{20} \times \frac{37}{17}$						
2	1.887	$\frac{31}{20} \times \frac{28}{23}$			2.043	$\frac{31}{20} \times \frac{29}{22}$		
3	1.273	$\frac{31}{20} \times \frac{23}{28}$			1.377	$\frac{31}{20} \times \frac{24}{27}$		
4	1.000	Direct						
5								
6								
reverse	2.968	$\frac{31}{20} \times \frac{37}{17}$	$\times \frac{22}{25}$					

278. Overdrive, type Epicyclic

279. Forward gears on which overdrive can be selected 4th

280. Overdrive ratio 0.778

FINAL DRIVE

290. Type of final drive Semi-floating half--shafts 291. Type of differential Spiral bevel

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

293. Final drive ratio 4.3:1 or 3.9:1 Number of teeth 10/43 or 10/39

Make Rover Model 3 Litre F.I.A. Rec. No. 5092

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 :

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on.....19..... rec. no.....List.....on.....19..... rec. no.....List.....
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Optional equipment affecting preceding information. This to be stated together with reference number.

Sump shield.
8:1 compression ratio (para. 142). Fitted to cars with automatic transmission
Passenger seat headrest, part number 384849.
Heavy duty suspension, part numbers: 538406 (spring)
538407 (auxiliary leaf)

Normal manufacturer's tolerances for this model:

All machined surfaces:	± 0.75%
All non-machined surfaces:	± 2.0%
Weights of part machined components:	± 2.5%
Weights of totally machined components:	± 1.25%

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE