

F.I.A. Recognition No. 5096

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 3294 cm.³ 201 in.³
 Manufacturer Vauxhall Motors Limited Model Cresta/Deluxe
 Serial No. of chassis/body PCS/D 6101001 Manufacturer Vauxhall
 Serial No. of engine 51 PC 2001 Manufacturer Vauxhall
 Recognition is valid from List
 The manufacturing of the model described in this recognition form started on 18th October 1965
 and the minimum production of 5000 identical cars, in accordance with the specifications of
 this form was reached on 7th January, 1966

Photograph A, 3/4 view of car from front



F.I.A. Stamp

Hubert Leonard



Make Vauxhall

Model Cresta/Deluxe

F.I.A. Rec. No. 5096

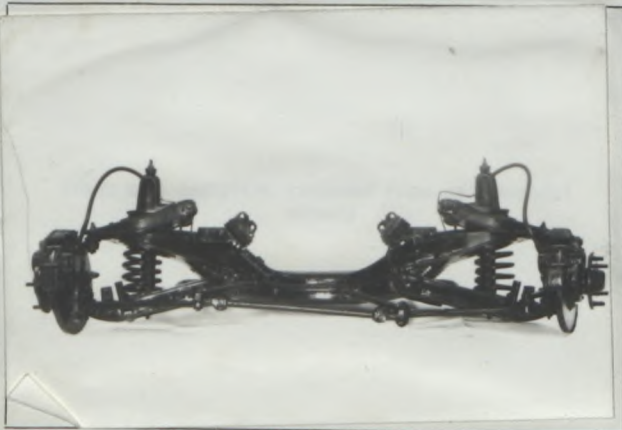
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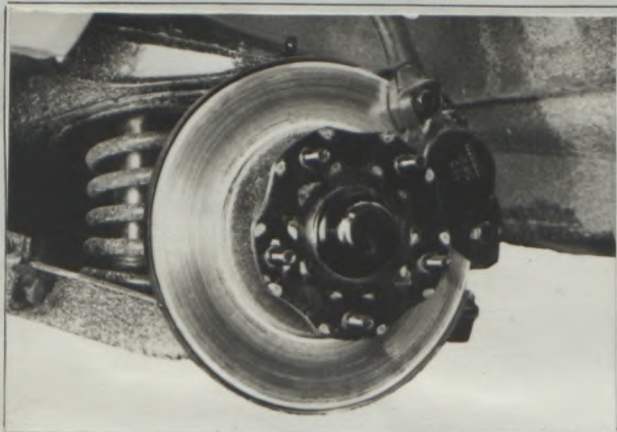
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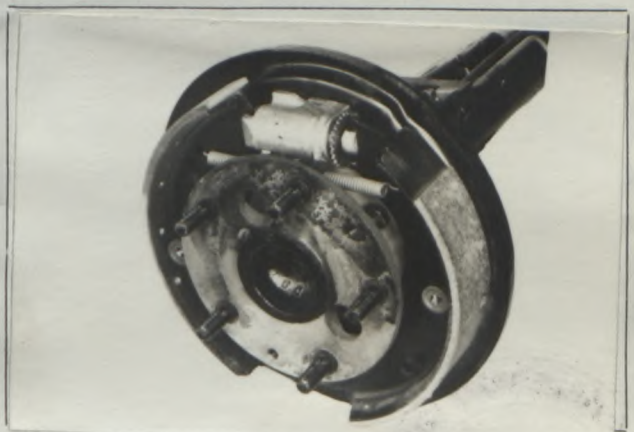
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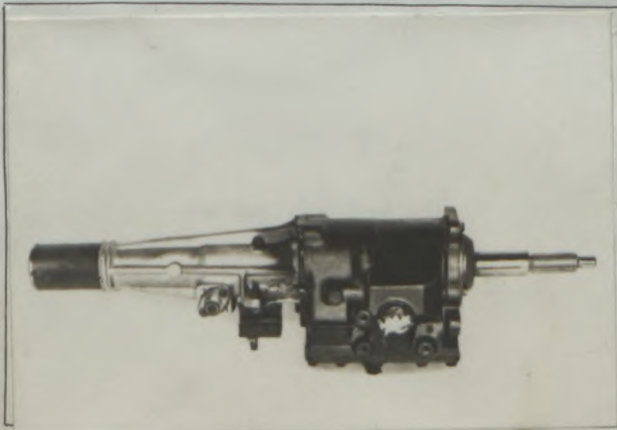
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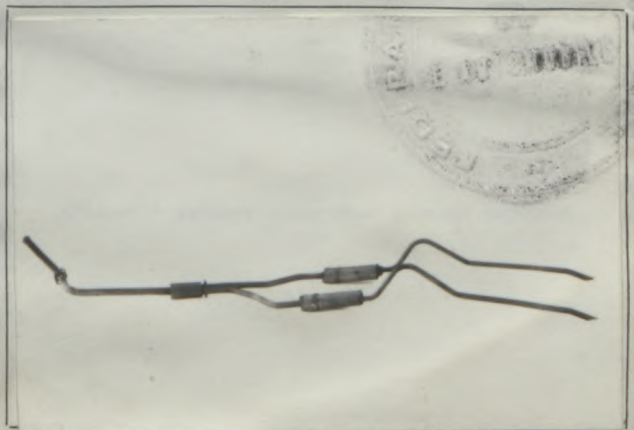
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I

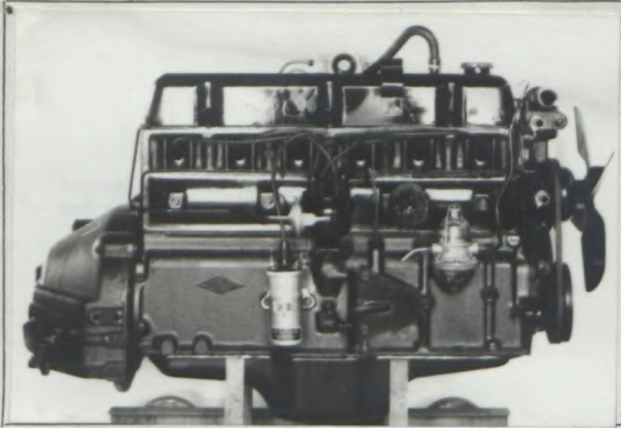


Make.....Vauxhall.....

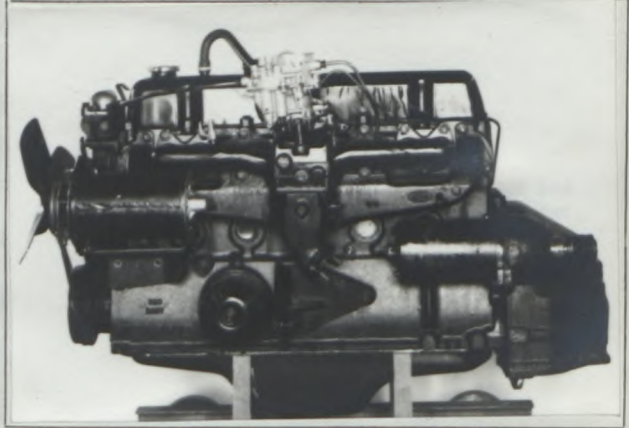
Model.....Cresta/Deluxe.....

F.I.A. Rec. No.....5096.....

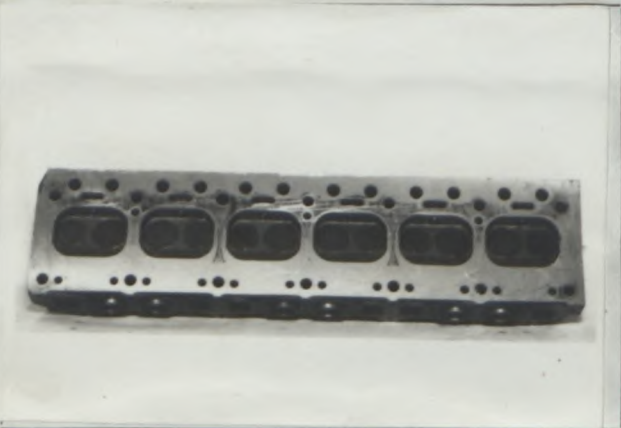
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K



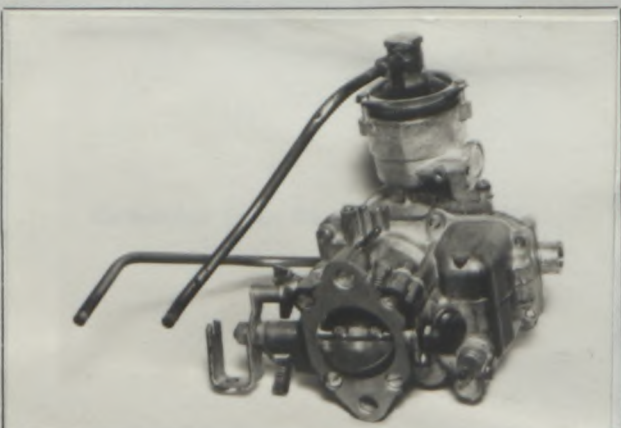
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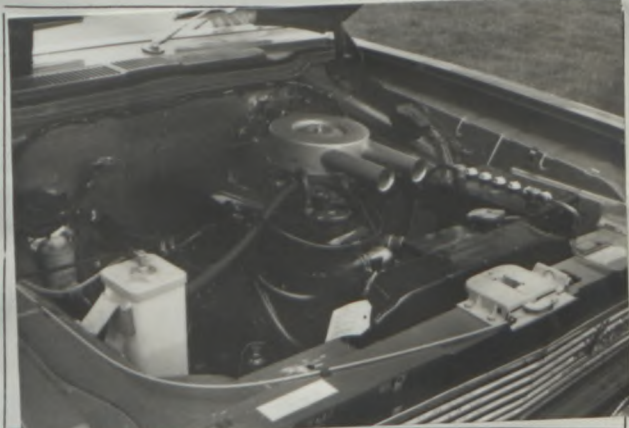
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N



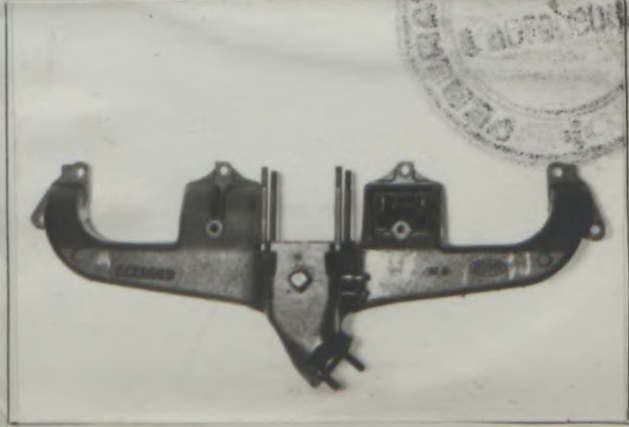
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Q

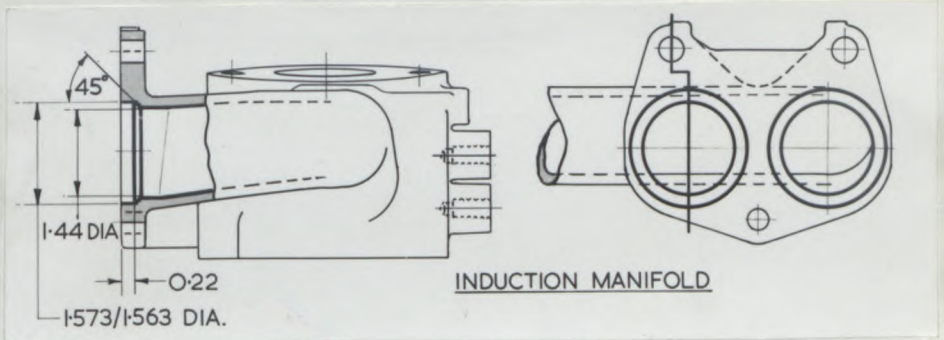


Make Vauxhall

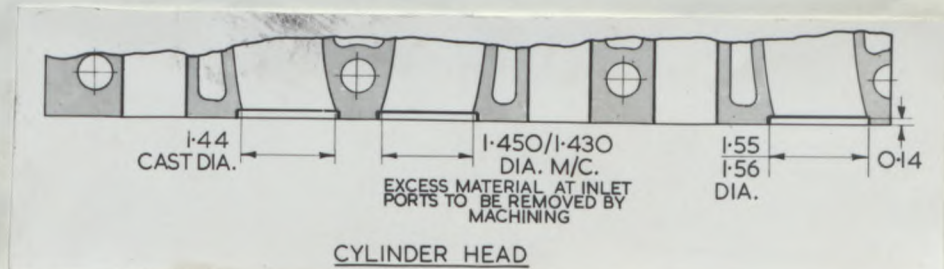
Model Cresta/ Deluxe

F.I.A. Rec. No. 5096

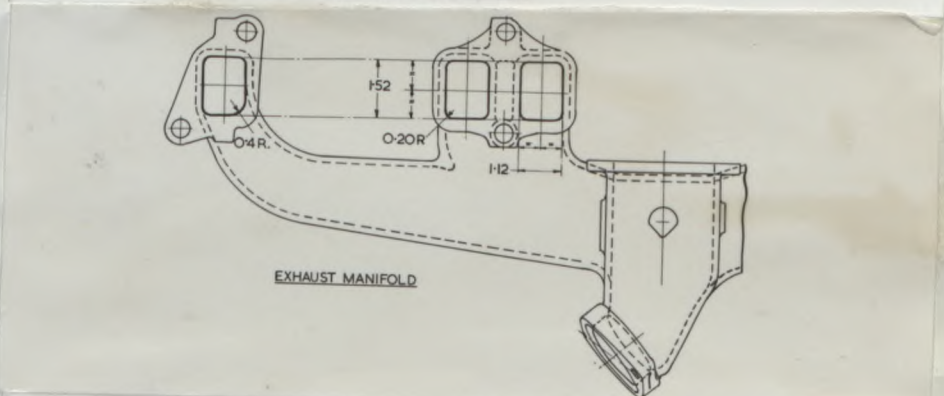
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



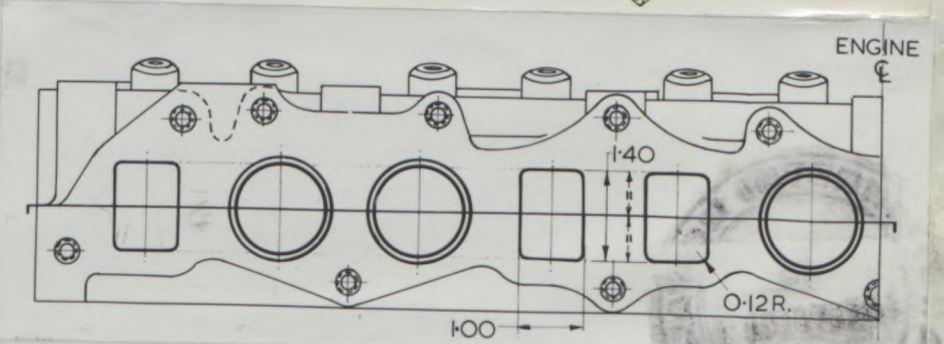
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.



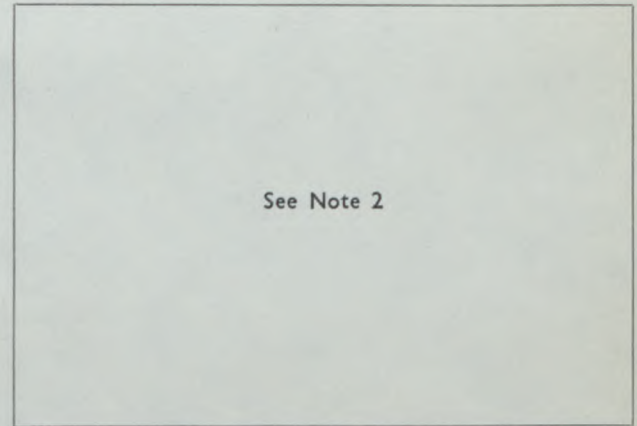
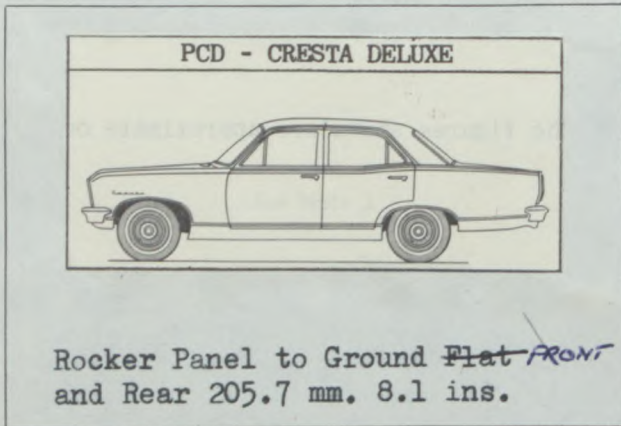
Allowable variation on dimensions is ± 0.25 m.m ± 0.010 in unless otherwise stated.

NOTE 1.

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

CAPACITIES AND DIMENSIONS

1. Wheelbase	2730.5	mm.	107.5	inches
2. Front track				
	1416.1	mm.	55.75	inches
3. Rear track	1435.1	mm.	56.50	inches



4. Overall length of the car	517.52	cm.	188	inches
5. Overall width of the car	177.29	cm.	69.8	inches
6. Overall height of the car	141.22	cm.	55.6	inches
7. Capacity of fuel tank (reserve included)	75.46	ltrs.	19.93	gall. U.S.
			16.6	gall. Imp.
8. Seating Capacity.	Four			
9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools :	1233.8	kg.	2720	lbs.
			24.29	cwts.

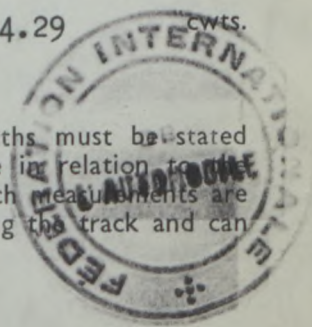
NOTE 2.

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 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
- 21. Unitary construction, material(s) **Steel**
- 22. Separate construction, Material(s) of chassis **-**
- 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 **Toughened or laminated glass**
- 29. Material(s) of front-door windows **Glass**
- 30. Material(s) of rear-door windows **Glass**
- 31. Sliding system of door windows **Gear operated drop glass**
- 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 **Blown PVC Tubular frame**
- 42. Weight of front seat(s), complete with supports and rails, out of the car :

147.42	kg.	32.50	lbs.
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- 43. Rear seats, type of seat and upholstery **Blown PVC - spring case**
- 44. Front bumper, material(s) **Steel** Weight **7.67 (WITH LAMPS)** kg. **16.90** lbs.
- 45. Rear bumper, material(s) **Steel** Weight **6.78** kg. **14.95** lbs.

WHEELS

- 50. Type **Disc**
- 51. Weight (per wheel, without tyre) **6.35** kg.
- 52. Method of attachment **Stud**
- 53. Rim diameter **355.6** mm. **14.0** ins. 54. Rim width **139.7**



STEERING

- 60. Type **Recirculating ball**
- 61. Servo-assistance : yes — ~~no~~ Option - code **354**
- 62. Number of turns of steering wheel from lock to lock **4.5**
- 63. In case of servo-assistance **4.25**

SUSPENSION

- 70. Front suspension (photograph D), type **Independant wishbone**
- 71. Type of spring **Coil**
- 72. Stabiliser (if fitted) **Fitted**
- 73. Number of shock absorbers **Two** 74. Type **Double acting telescopic**
- 78. Rear suspension (photograph E), type **Beam axle**
- 79. Type of spring **Semi elliptical leaf**
- 80. Stabiliser (if fitted) **Control rod fitted**
- 81. Number of shock absorbers **Two** 82. Type **Double acting telescopic**

BRAKES (photographs F and G)

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

93. Number of cylinders per wheel	Two	FRONT	One REAR
94. Bore of wheel cylinder(s)	53.98	mm. 2.125 inches	19.05 mm. 0.75 inches

Drum Brakes

95. Inside diameter	mm.	inches	228.6 mm.	9.0 inches
96. Length of brake linings	mm.	inches	218.44 mm.	8.6 inches
97. Width of brake linings	mm.	inches	44.45 mm.	1.75 inches
98. Number of shoes per brake	Two			
99. Total area per brake	mm. ²	sq. in.	19453 mm. ²	30.15 sq. in.

Disc Brakes

100. Outside diameter	2 66.7	mm.	10.5 inches	mm.	inches
101. Thickness of disc	8.636	mm.	0.34 inches	mm.	inches
102. Length of brake linings		mm.	inches	mm.	inches
103. Width of brake linings		mm.	inches	mm.	inches
104. Number of pads per brake	Two				
105. Total area per brake	6452	mm. ²	10.0 sq. in.	mm. ²	sq. in.



ENGINE (photographs J and K)

- 130. Cycle **4 - stroke**
- 131. Number of cylinders **Six**
- 132. Cylinder Arrangement **Vertical in line**
- 133. Bore **92.075** mm. **3.625** in.
- 134. Stroke **82.55** mm. **3.250** in.
- 135. Capacity per cylinder **551.4 - 549.1** cm.³ **33.65/33.51** cu. in.
- 136. Total cylinder capacity **3308.4 - 3294.6** cm.³ **201.9/201.04** cu. in.
- 137. Material(s) of cylinder block **Cast iron**
- 138. Material(s) of sleeves (if fitted) **Not fitted**
- 139. Cylinder head, material(s) **Chromium cast iron**
- Number fitted **One**
- 140. Number of inlet ports **Six**
- 141. Number of exhaust ports **Six**
- 142. Compression ratio **8.5:1**
- 143. Volume of one combustion chamber **57.72 - 55.47** cm.³ **3.52/3.39** 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 **44.45 - 44.35** mm. **1.750/1.746** in.
- 147. Crankshaft : moulded/~~cramped~~
- 148. Type of crankshaft: integral/**Yes**
- 149. Number of crankshaft main bearings **Four**
- 150. Material of bearing cap **Cast iron**
- 151. System of lubrication : ~~by pump~~/oil in sump
- 152. Capacity, lubricant **5.4** ltrs. **9.5** pts. **5.7** quarts U.S.
- 153. Oil cooler : ~~yes/no~~
- 154. Method of engine cooling **Water**
- 155. Capacity of cooling system **9.43** ltrs. **16.6** pts. **9.96** quarts U.S.
- 156. Cooling fan (if fitted) dia. **37.47** cm. **14.75** in.
- 157. Number of blades of cooling fan **Four**

Bearings

- 158. Crankshaft main, type **White metal** dia. **63.50** m.m. **2.500** in.
- 159. Connecting rod big end, type **Copper/lead-Aluminium/ton** dia. **52.41/52.37** m.m. **2.0632/20** in.

Weights

- 160. Flywheel (clean) **(with starter ring)** **10.71** kg. **23.61** lbs.
- 161. Flywheel with clutch (all turning parts) **17.01** kg. **37.50** lbs.
- 162. Crankshaft **30.21** kg. **66.6** lbs.
- 163. Connecting rod **.74** kg. **1.64** lbs.
- 164. Piston with rings and pin **.735** kg. **1.62** lbs.



FOUR STROKE ENGINES

170. Number of camshafts One 171. Location Cylinder block
 172. Type of camshaft drive Chain at front
 173. Type of valve operation O.H. push rod

INLET (see page 4)*

180. Material(s) of inlet manifold Aluminium alloy casting
 181. Diameter of valves 41.35 mm. 1.628 ins.
 182. Max. valve lift 10.08 mm. .397 in. 183. Number of valve springs One
 184. Type of spring Helical coil 185. Number of valves per cylinder One
 186. Tappet clearance for checking timing (cold) .33 mm. .013 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) 39 BTDC
 188. Valves close at (with tolerance for tappet clearance indicated) 84 ABDC
 189. Air filter, type Paper element

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold Cast iron
 196. Diameter of valves 36.07 mm. 1.420 ins.
 197. Max. valve lift 10.08 mm. .397 in. 198. Number of valve springs One
 199. Type of spring Helical coil 200. Number of valves per cylinder One
 201. Tappet clearance for checking timing (cold) .33 mm. .013 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 81 BBDC
 203. Valves close at (with tolerance for tappet clearance indicated) 42 ATDC

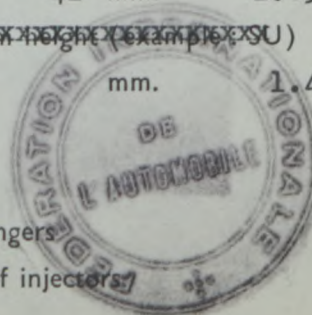
CARBURETION (photograph N)

210. Number of carburettors fitted One 211. Type Down draft
 212. Make Zenith 213. Model 42 WIAT
 214. Number of mixture passages per carburettor Single choke
 215. Flange hole diameter of exit port(s) of carburettor 42 mm. 1.654 ins.
 216. Minimum diameter of venturi/~~throat diameter, with piston at maximum height (example SU)~~ 36 mm. 1.42 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.



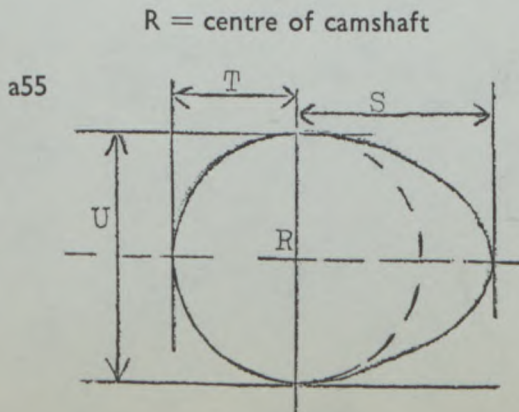
Make Vauxhall Model Cresta Deluxe F.I.A. Rec. No. 5096

ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~and for electrical~~
- 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
- 237. Method of drive **Belt**
- 238. Voltage of generator **12** volts
- 239. Battery, number **One**
- 240. Location **In engine compartment**
- 241. Voltage of battery **12** volts

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

- 250. Max. engine output **140.2** (type of horsepower: **BHP**) at **4.800** r.p.m.
(Gross)
- 251. Max. r.p.m. **6.000** output at that figure **Not available for publication**
- 252. Max. torque **185.7 lb/ft (Gross)** at **2.400** r.p.m.
- 253. Max. speed of the car **164.8** km./hour **103** miles/hour

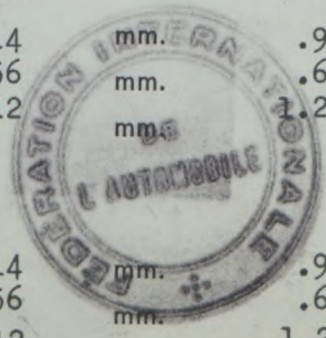


Inlet cam

S =	23.114	mm.	.91	inches
T =	16.256	mm.	.64	inches
U =	32.512	mm.	1.28	inches

Exhaust cam

S =	23.114	mm.	.91	inches
T =	16.256	mm.	.64	inches
U =	32.512	mm.	1.28	inches



Make Vauxhall Model Cresta/deluxe F.I.A. Rec. No. 5096

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.

Heavy duty suspension - code 253

- 6379725 - Front crossmember and guard assy.
- 6327383 - Front spring assy. - 2 off.
- 6396758 - Front shock absorber assy. - 2 off.
- 7186218 - Front axle stabilizer assy.
- 7168033 - Rear spring assy. - 2 off.

Reclining front seats - code 303

Alternator equipment - code 400

- 7175039 - Alternator and pulley assy.

Heated backlight glass - code 430

- 7196661 - Heated backlight glass.



Manufacturers Reference No. for Application

F.I.A. Recognition No. 5096

VM. 66/2 a.



ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Amendment to Form of Recognition

Manufacturer Vauxhall Motors Limited.

Model Cresta.



Stamp of F.I.A./R.A.C. to be affixed here

Date amendment is valid from





ROYAL AUTOMOBILE CLUB

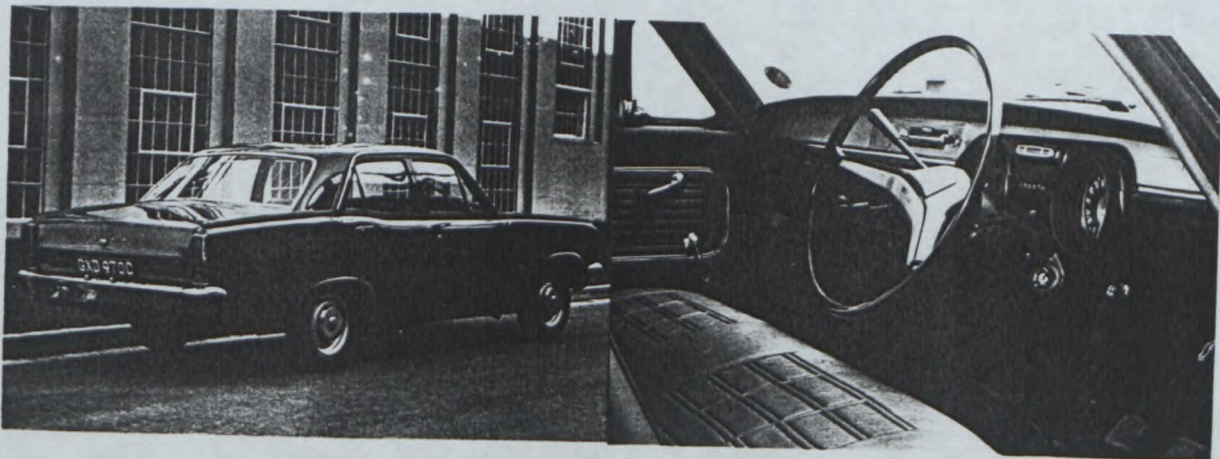
31, Belgrave Square, London, S.W.1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Amendment to Form of Recognition

Manufacturer..... Vauxhall.....

Model..... Cresta.....



Identical with Cresta Deluxe apart from Trim Styles and Materials.

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

1215.6 Kg. 2680 lbs. 23.93 cwt.

Stamp of F.I.A./R.A.C. to be affixed here

Date amendment is valid from





ROYAL AUTOMOBILE CLUB

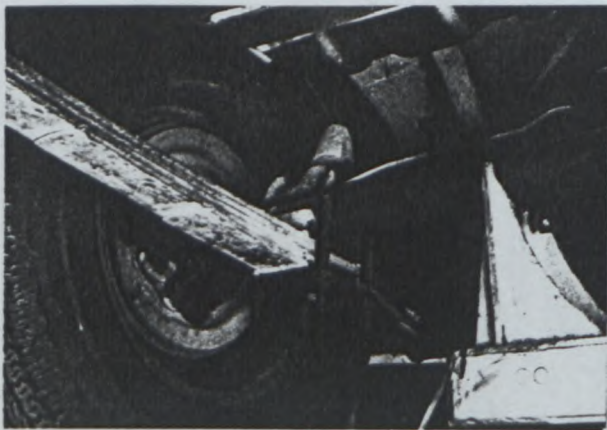
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FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Amendment to Form of Recognition

Manufacturer.....Vauxhall.....

Model.....Cresta/Cresta Deluxe.....



Heavy duty suspension - code 253

Stamp of F.I.A./R.A.C. to be affixed here

Date amendment is valid from

