



F.I.A. Recognition No. **5596**

Group **1**

FISA = **Transfert en Gr.A**

# ROYAL AUTOMOBILE CLUB

31 Belgrave Square, London, SW1X 8QH

Form of recognition in accordance with appendix J to the International Sporting Code of the  
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Manufacturer Vauxhall Motors Limited      Cylinder-capacity 1256 cm.<sup>3</sup> 76,6 in.<sup>3</sup>  
 Serial No. of chassis/body 9B08 onwards      Model Chevette  
 Serial No. of engine 1000 onwards      Manufacturer Vauxhall Motors Limited  
 Recognition is valid from 1 July 1975      Manufacturer Vauxhall Motors Limited  
 The manufacturing of the model described in this recognition form started on March 3rd 1975      List \_\_\_\_\_  
 and the minimum production of 5000 identical cars, in accordance with the specifications of  
 this form was reached on April 30th 1975.

Photograph A, ¼ view of car from front



R.A.C. Stamp

B

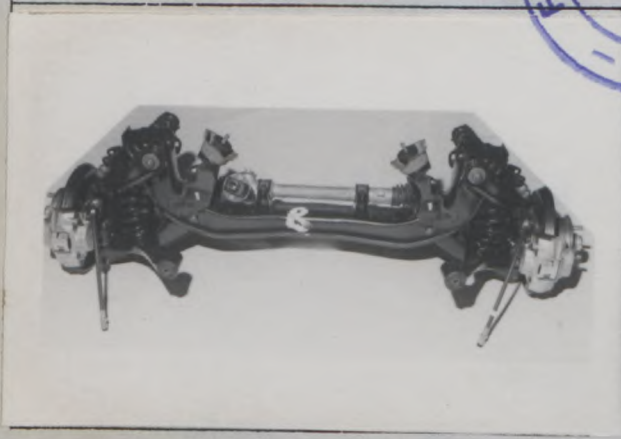


C

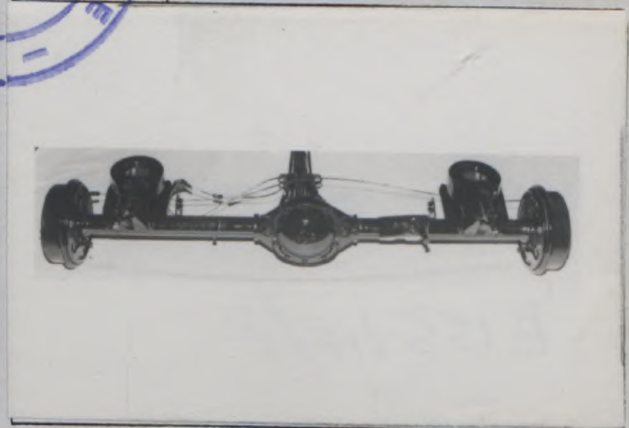


FEDERATION INTERNATIONALE DE L'AUTOMOBILE

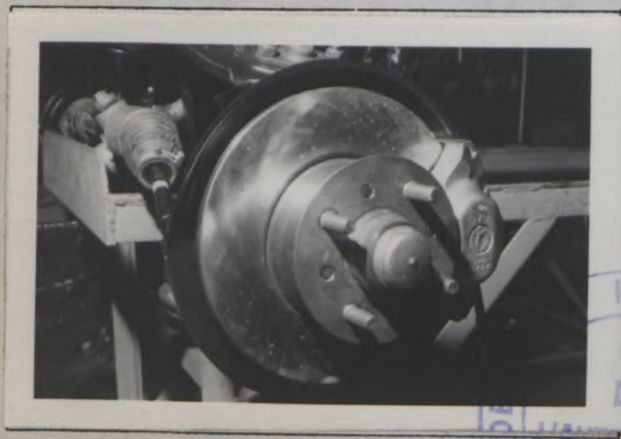
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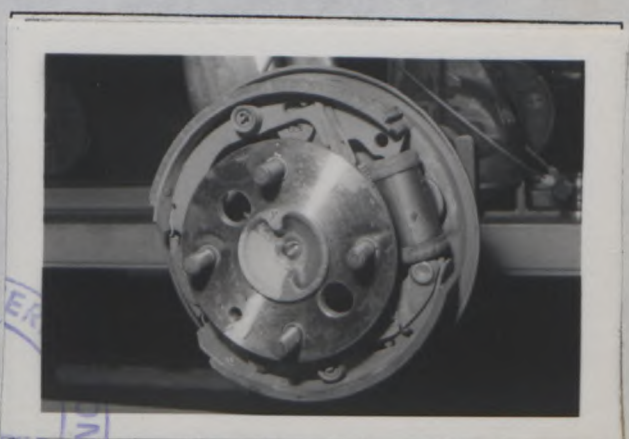
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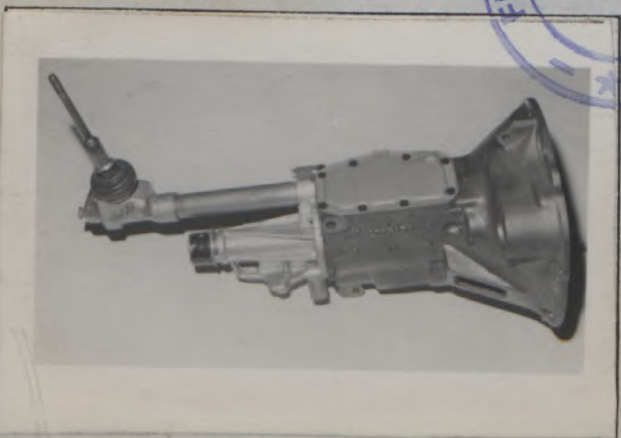
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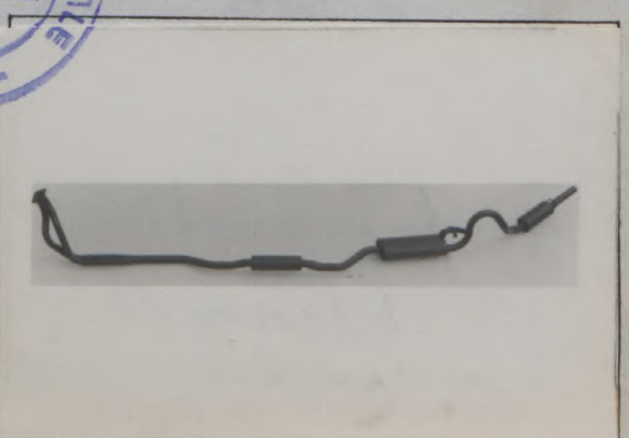
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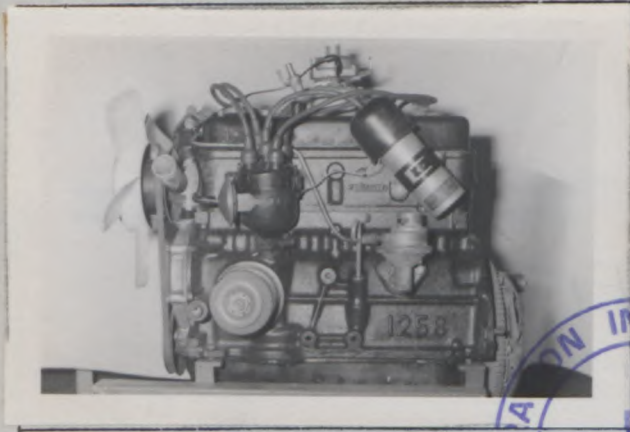
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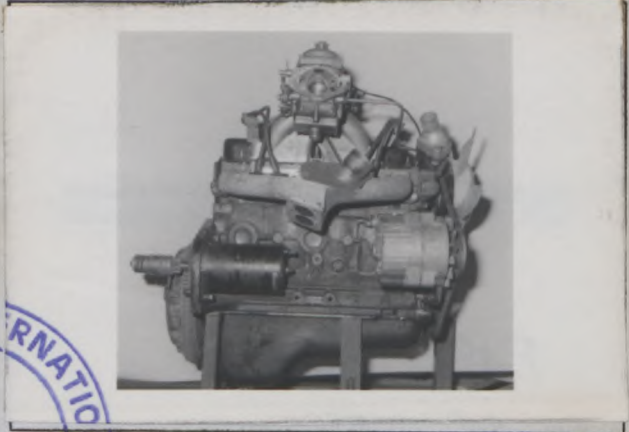
I



J

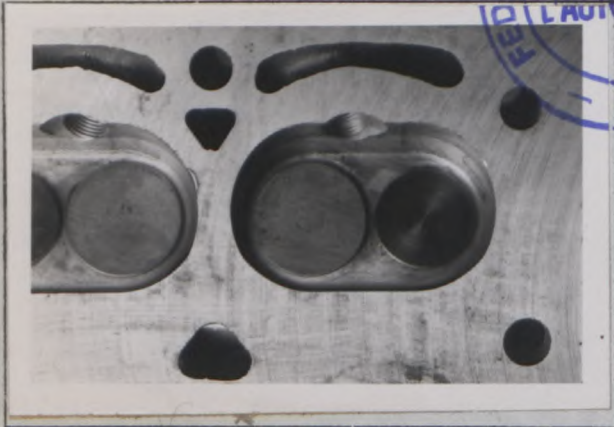


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FEDERATION INTERNATIONALE  
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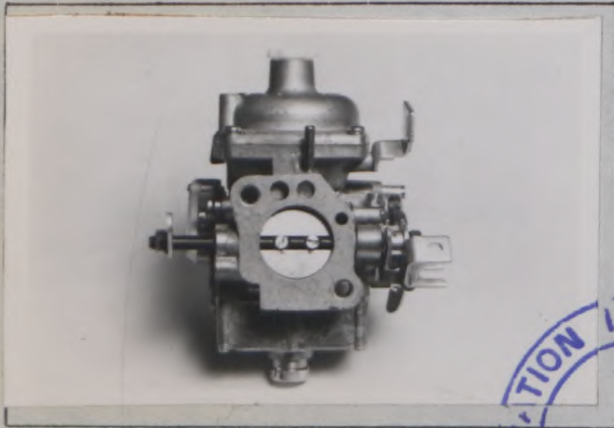
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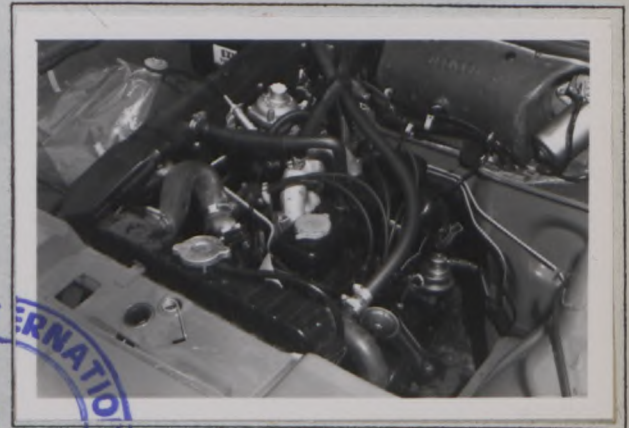
M



N

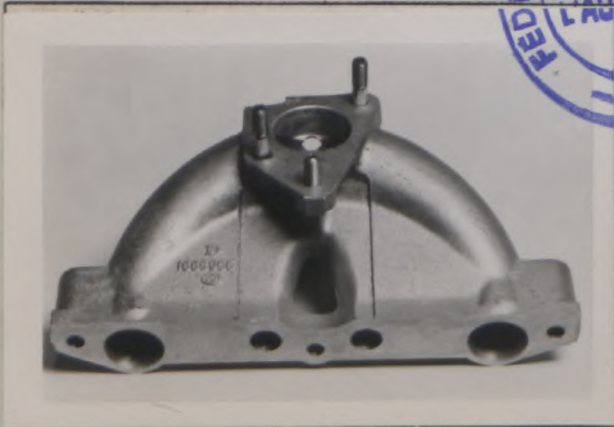


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FEDERATION INTERNATIONALE  
DE  
L'AUTOMOBILE

P



Q



Make Vauxhall Motors

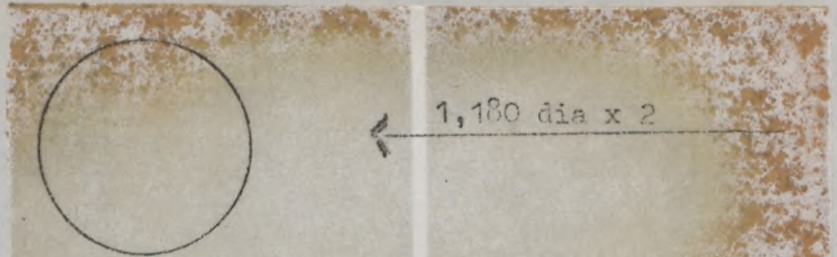
Model Chevette

F.I.A. Rec. No. 5596

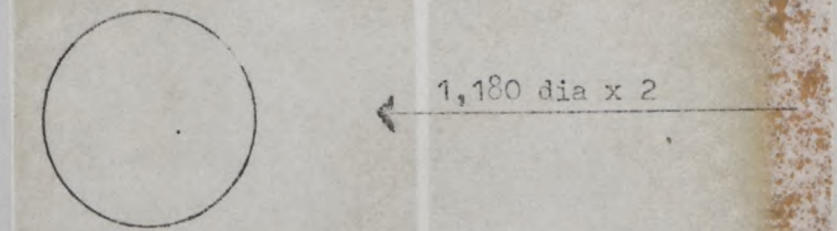
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Insert Tolerances

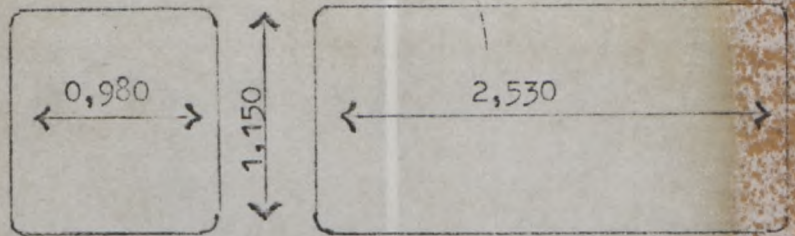
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



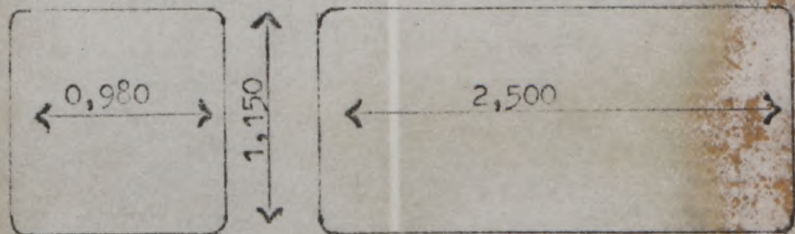
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.



Tolerances

± 0,75 mm      0,030 ins

Exhaust emission equipment.  
Port and manifold areas to be fully fettled.



Make **Vauxhall Motors**

Model **Chevette**

F.I.A. Rec. No. **5596**


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**NOTE 1.**

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

**CAPACITIES AND DIMENSIONS**

- |                |      |     |    |        |
|----------------|------|-----|----|--------|
| 1. Wheelbase   | 2392 | mm. | 94 | inches |
| 2. Front track | 1300 | mm. | 51 | inches |
| 3. Rear track  | 1300 | mm. | 51 | inches |

See Note 2		See Note 2
Bottom edge of front bumper to ground 501 mm 19,7 ins		Bottom edge of rear bumper to ground 432 mm 17,0 ins

- |  |           |       |      |            |          |            |    |        |
|--|-----------|-------|------|------------|----------|------------|----|--------|
| 4. Overall length of the car   | 394       | cm.   | 155  | inches     |          |            |    |        |
| 5. Overall width of the car  | 158       | cm.   | 62   | inches     |          |            |    |        |
| 6. Overall height of the car   | 131       | cm.   | 51   | inches     |          |            |    |        |
| 7. Capacity of fuel tank (reserve included)  | 38        | ltrs. | 10.3 | gall. U.S. | 8.4      | gall. Imp. |    |        |
| 8. Seating Capacity.   | 4/5       |       |      |            |          |            |    |        |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | 879       | kg.   | 1938 | lbs.       | 17.3     | cwts.      |    |        |
| 10. Width of the car measured at the axles   | Front 158 | cm.   | 62   | inches     | Rear 158 | cm.        | 62 | inches |

**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. <sup>2</sup>	1 gallon Imp.	— 4.546	ltrs.
1 cubic inch/pouce cube	— 16.387	cm. <sup>3</sup>	1 gallon US	— 3.785	ltrs.
1 pound/livre (lb)	— 453.593	gr.	1 hundred weight (cwt.)	— 50.802	kg.

Make Vauxhall Motors

Model Chevette

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**CHASSIS AND COACHWORK** (Photographs A, B and C)



- |  |                         |
|--|-------------------------|
| 20. Chassis/body construction: <del>separate</del> /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 <u>3</u> Material(s)                                 | Steel                   |
| 25. Material(s) of bonnet  | Steel                   |
| 26. Material(s) of boot lid  | Steel                   |
| 27. Material(s) of rear-window   | Toughened glass         |
| 28. Material(s) of windscreen  | Toughened glass         |
| 29. Material(s) of front-door windows                                    | Laminated Available Yes |
| 30. Material(s) of rear-door windows                                     | Toughened glass         |
| 31. Sliding system of door windows                                       | -                       |
| 32. Material(s) of rear-quarter light                                    | Cable operated drop     |

**ACCESSORIES AND UPHOLSTERY**

- |   |  |
|---|--|
| 38. Interior heating : yes <del>X</del> no                                      | 39. Air conditioning : <del>X</del> yes — no |
| 40. Ventilation : yes <del>X</del> no   | 41. Front seats, type of seat and upholstery |
| 42. Weight of front seat(s), complete with supports and rails, out of the car : | Frame PVC or cloth                           |
|   | 14,9 kg. 33 lbs.                             |
| 43. Rear seats, type of seat and upholstery                                     | Frame PVC or cloth                           |
| 44. Front bumper, material(s) Steel Weight                                      | 2,3 kg. 5 lbs.                               |
| 45. Rear bumper, material(s) Steel Weight                                       | 2,2 kg. 4,8 lbs.                             |

**WHEELS**

- |                                      |                 |
|--------------------------------------|-----------------|
| 50. Type                             | Disc            |
| 51. Weight (per wheel, without tyre) | 6,3 kg. 14 lbs. |
| 52. Method of attachment             | Stud            |
| 53. Rim diameter                     | 330 mm. 13 ins. |
| 54. Rim width                        | 127 mm. 5 ins.  |

**STEERING**

- |   |                       |
|---|-----------------------|
| 60. Type  | Rack and pinion       |
| 61. Servo-assistance :                                  | <del>X</del> yes — no |
| 62. Number of turns of steering wheel from lock to lock | 3,5                   |
| 63. In case of servo-assistance                         |                       |

Make Vauxhall Motors

Model Chevette

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**SUSPENSION**

- 70. Front suspension (photograph D), type **Independent wishbone**
- 71. Type of spring **Helical coil**
- 72. Stabiliser (if fitted) **Torsion link**
- 73. Number of shock absorbers **2**
- 74. Type **Hydraulic - double acting**
- 78. Rear suspension (photograph E), type **Live axle with torque tube and trailing arms**
- 79. Type of spring **Helical coil**
- 80. Stabiliser (if fitted) **Panhard rod**
- 81. Number of shock absorbers **2**
- 82. Type **Hydraulic - double acting**

**BRAKES** (photographs F and G)

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

	TWO FRONT		ONE REAR	
93. Number of cylinders per wheel				
94. Bore of wheel cylinder(s)	48,0	mm. 1,89 inches	19,05	mm. 0,75 inches

**Drum Brakes**

95. Inside diameter	mm.	inches	200	mm.	7,87 inches
96. Length of brake linings	mm.	inches	182	mm.	7,17 inches
97. Width of brake linings	mm.	inches	45	mm.	1,77 inches
98. Number of shoes per brake					
99. Total area per brake	mm. <sup>2</sup>	sq. in.	1639	mm. <sup>2</sup>	25,4 sq. in.

**Disc Brakes**

100. Outside diameter	238	mm.	9,37 inches	mm.	inches
101. Thickness of disc	11	mm.	0,43 inches	mm.	inches
102. Length of brake linings		mm.	inches	mm.	inches
103. Width of brake linings	Area 26 cm <sup>2</sup>	mm.	4,03 sq. ins	mm.	inches
104. Number of pads per brake	2				
105. Total area per brake	520	mm. <sup>2</sup>	8,06 sq. in.	mm. <sup>2</sup>	sq. in.

Make **Vauxhall Motors** Model **Chevette**

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**ENGINE** (photographs J and K)

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- 130. Cycle **4 stroke**
- 131. Number of cylinders **4**
- 132. Cylinder Arrangement **In line**
- 133. Bore **80,97** mm. **3,188** in.
- 134. Stroke **60,96** mm. **2,4** in.
- 135. Capacity per cylinder **314,6** cm.<sup>3</sup> **19,2** cu. in.
- 136. Total cylinder capacity **1258,5** cm.<sup>3</sup> **76,8** cu. in.
- 137. Material(s) of cylinder block **Chromium cast iron**
- 138. Material(s) of sleeves (if fitted)
- 139. Cylinder head, material(s) **Chromium cast iron** Number fitted
- 140. Number of inlet ports **2**
- 141. Number of exhaust ports **4 centre siamesed**
- 142. Compression ratio **9.2**
- 143. Volume of one combustion chamber **31.48** cm.<sup>3</sup> **1,92** cu. in.
- 144. Piston, material **Aluminium alloy**
- 145. Number of rings **3**
- 146. Distance from gudgeon pin centre line to highest point of piston crown **38,1** mm. **1,505** in.
- 147. Crankshaft: moulded/~~stamped~~
- 148. Type of crankshaft: integral/ **Yes**
- 149. Number of crankshaft main bearings **3**
- 150. Material of bearing cap **Cast iron**
- 151. System of lubrication: ~~dry sump~~/oil in sump
- 152. Capacity, lubricant **3,1** ltrs. **5,5** pts. **3,2** quarts U.S.
- 153. Oil cooler: **Yes**/no
- 154. Method of engine cooling **Water**
- 155. Capacity of cooling system **5,8** ltrs. **10** pts. **6,12** quarts U.S.
- 156. Cooling fan (if fitted) dia. **30,5** cm. **12** in.
- 157. Number of blades of cooling fan **5**



**Bearings** (insert tolerances)

- 158. Crankshaft main, type **Aluminium tin or copper lead** dia. **54** m.m. **2,125** in.
- 159. Connecting rod big end, type **Aluminium tin or copper lead** dia. **46,4** m.m. **1,831** in.

**Weights** (insert tolerances)

- 160. Flywheel (clean) **5** kg. **13** lbs.
- 161. Flywheel with clutch (all turning parts) **9,75** kg. **21,5** lbs.
- 162. Crankshaft **9.6** kg. **21.1** lbs.
- 163. Connecting rod **0,63** kg. **1.4** lbs.
- 164. Piston with rings and pin **0.45** kg. **1** lbs.
- 254. Reboring dimensions **0,040**55. Total resultant cylinder capacity **1288** cm.<sup>3</sup> **78,6** cu. in.
- 256. Volume of the combustion chamber in the head **31,48** cm.<sup>3</sup> **1,92** cu. in.
- 257. Thickness of the head gasket after tightening **,88** mm. in. **,035**
- 258. Piston Dimension **80,9** mm. **3,18** mean



Make Vauxhall Motors

Model Chevette

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### FOUR STROKE ENGINES

- |                              |                 |               |                       |
|------------------------------|-----------------|---------------|-----------------------|
| 170. Number of camshafts     | <u>One</u>      | 171. Location | <u>Cylinder block</u> |
| 172. Type of camshaft drive  | <u>Chain</u>    |               |                       |
| 173. Type of valve operation | <u>Push Rod</u> |               |                       |

### INLET (see page 4)\*

- |  |                          |                                    |                   |
|--|--------------------------|------------------------------------|-------------------|
| 180. Material(s) of inlet manifold                                   | <u>Aluminium alloy</u>   |                                    |                   |
| 181. Diameter of valves  |                          | <u>34,6 mm.</u>                    | <u>1,363 ins.</u> |
| 182. Max. valve lift   | <u>9,2 mm. 0,361 in.</u> | 183. Number of valve springs       | <u>One</u>        |
| 184. Type of spring  | <u>Helical coil</u>      | 185. Number of valves per cylinder | <u>One</u>        |
| 186. Tappet clearance for checking timing (cold/warm)                |                          | <u>0,203 mm.</u>                   | <u>,008 ins.</u>  |
| 187. Valves open at (with tolerance for tappet clearance indicated)  |                          | <u>39 BTC</u>                      |                   |
| 188. Valves close at (with tolerance for tappet clearance indicated) |                          | <u>73 ABC</u>                      |                   |
| 189. Air filter, type  | <u>Paper element</u>     |                                    |                   |

### EXHAUST (see page 4)\*

- |  |                          |                                    |                      |
|--|--------------------------|------------------------------------|----------------------|
| 195. Material(s) of exhaust manifold                                 | <u>Cast iron</u>         |                                    |                      |
| 196. Diameter of valves  |                          | <u>30,5 mm.</u>                    | <u>1,183 ins.</u>    |
| 197. Max. valve lift   | <u>9,2 mm. 0,361 in.</u> | 198. Number of valve springs       | <u>One</u>           |
| 199. Type of spring  | <u>Helical coil</u>      | 200. Number of valves per cylinder | <u>One</u>           |
| 201. Tappet clearance for checking timing (cold/warm)                |                          | <u>0,203 mm.</u>                   | <u>,008 ins.</u>     |
| 202. Valves open at (with tolerance for tappet clearance indicated)  |                          | <u>71 BBC</u>                      |                      |
| 203. Valves close at (with tolerance for tappet clearance indicated) |                          | <u>41 ATC</u>                      |                      |
| 204. Diameter outlet orifice exhaust manifold                        |                          | <u>31,75 mm.</u>                   | <u>1,25 ins. x 2</u> |

### CARBURETION (photograph N)

- |  |                         |                       |                       |
|--|-------------------------|-----------------------|-----------------------|
| 210. Number of carburettors fitted   | <u>One</u>              | 211. Type             | <u>Variable choke</u> |
| 212. Make  | <u>Zenith Stromberg</u> | 213. Model            | <u>150 CDS</u>        |
| 214. Number of mixture passages per carburettor  |                         | <u>Single venturi</u> |                       |
| 215. Flange hole diameter of exit port(s) of carburettor                                     |                         | <u>38,1 mm.</u>       | <u>1,50 ins.</u>      |
| 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU) |                         | <u>25,4 mm.</u>       | <u>1 ins.</u>         |

### 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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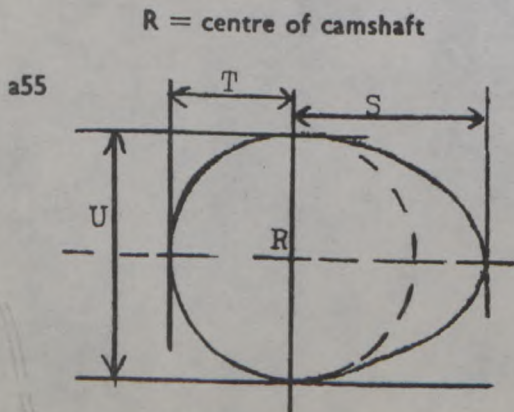
**ENGINE ACCESSORIES**

- 230. Fuel pump : mechanical ~~and/or electrical~~
- 231. No. fitted One
- 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 Engine compartment
- 241. Voltage of battery 12 volts



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

- 250. Max. engine output 69 (type of horsepower: CV or PS ) at 5750 r.p.m.
- 251. Max. r.p.m. 6000 output at that figure Not quoted
- 252. Max. torque 9,96 KPM at 4000 r.p.m.
- 253. Max. speed of the car km./hour miles/hour  
NOT PUBLISHED



**Inlet cam**

S =	19,84	mm.	,781	inches
T =	13,74	mm.	,541	inches
U =	27,69	mm.	1,082	inches

**Exhaust cam**

S =	19,84	mm.	,781	inches
T =	13,74	mm.	,541	inches
U =	27,69	mm.	1,082	inches

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**DRIVE TRAIN**

**CLUTCH**

- 260. Type of clutch Diaphragm spring
- 261. No. of plates One
- 262. Dia. of clutch plates 18,41 cm. 7,25 ins.
- 263. Dia. of linings, inside 12,7 cm. 5 ins.
- outside 18,41 cm. 7,25 ins.
- 264. Method of operating clutch cable

**GEAR BOX** (photograph H)

- 270. Manual type, make Vauxhall Method of operation Lever
- 271. No. of gear-box ratios forward 4
- 272. Synchronized forward ratios 4
- 273. Location of gear-shift Floor, central
- 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	3,46-1				2,86	24/15 x 25/14		
2	2,213-1				1,68	24/15 x 20/19		
3	1,404-1				1,24	24/15 x 17/22		
4	Direct				1,00	—		
5								
6								
reverse	3,707-1				3,707-1			



- 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 2 pinion
- 292. Type of limited slip differential (if fitted in series-production) \_\_\_\_\_
- 293. Final drive ratio 4,111-1 | 4,37 | 4,62 Number of teeth 9/37 | 8/35 | 8/37





**IMPORTANT :**

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.

~~General dimensions~~  
~~Vehicle reference~~  
~~Part mentioned on registration~~  
~~Weight of machine~~  
~~Height of machine seats 2.5%~~





# FEDERATION INTERNATIONALE DE L'AUTOMOBILE

VAUXHALL - CHEVETTE

MARQUE ET MODELE

1/82

VALIDITE HOMOLOGATION

5596 TR

FICHE NR.

/

GROUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES

Autres homologations du modèle *5596*

Vérifiée le *28/2/96* par *[Signature]* visée ce jour le \_\_\_\_\_ par \_\_\_\_\_