

F.I.A. Recognition No. 5136  
Group 1.



# ROYAL AUTOMOBILE CLUB

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

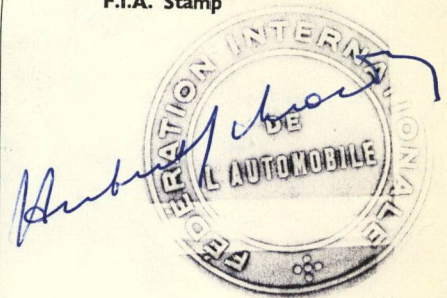
Form of recognition in accordance with appendix J to the International Sporting Code of the  
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Rootes Group.  
Manufacturer Singer Motors Limited. Cylinder-capacity 1724 cm.<sup>3</sup> 105.2 in.<sup>3</sup>  
Model Singer Vogue.  
Serial No. of chassis/body B.75000100 Manufacturer Rootes Group.  
Serial No. of engine B.75000100 Manufacturer Rootes Group.  
Recognition is valid from 1st Jan. 1967 List 15/2  
The manufacturing of the model described in this recognition form started on 1st August 1966  
and the minimum production of 5,000 identical cars, in accordance with the specifications of  
this form was reached on 28th November 1966

Photograph A,  $\frac{3}{4}$  view of car from front



F.I.A. Stamp

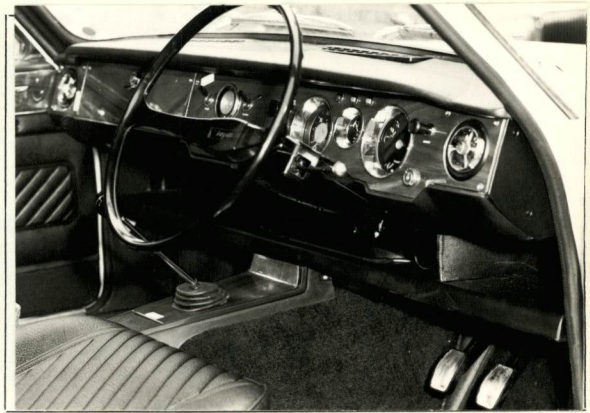


R.A.C. Stamp

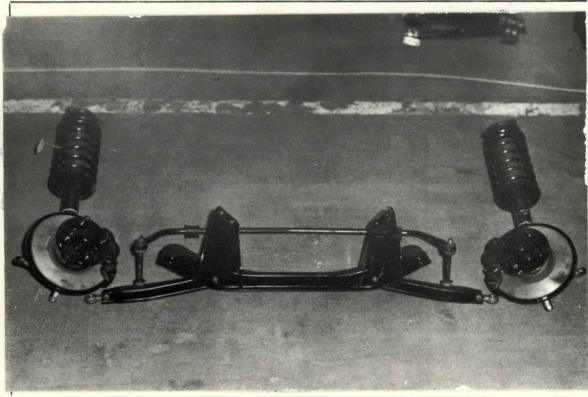
B



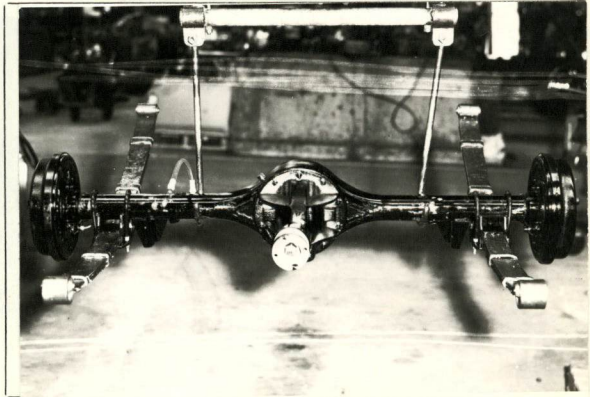
C



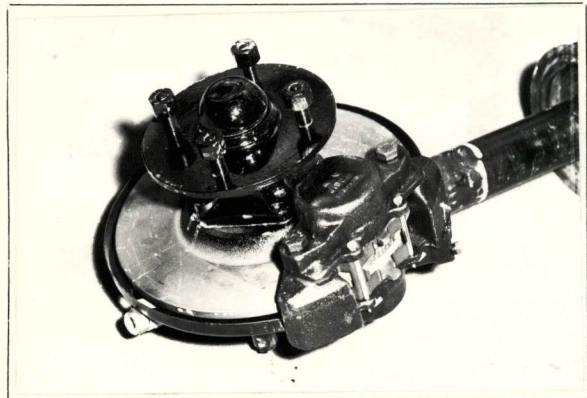
D



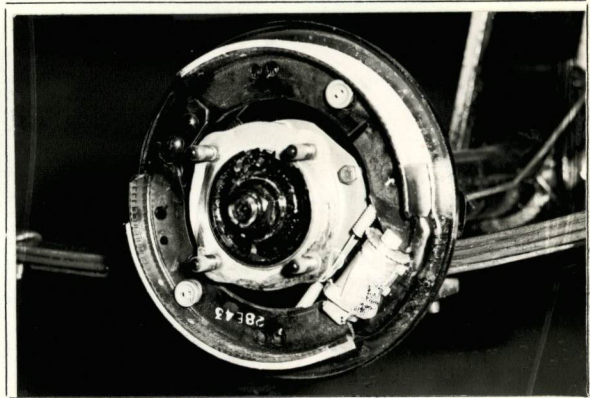
E



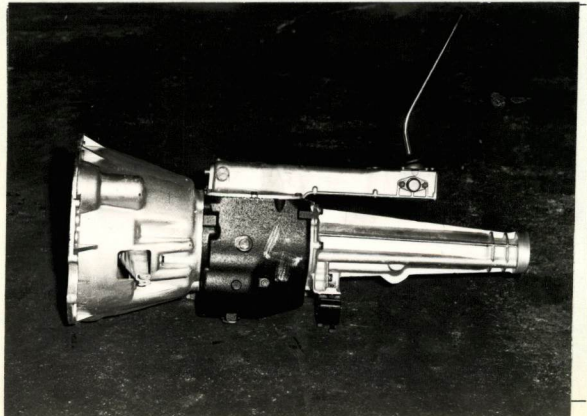
F



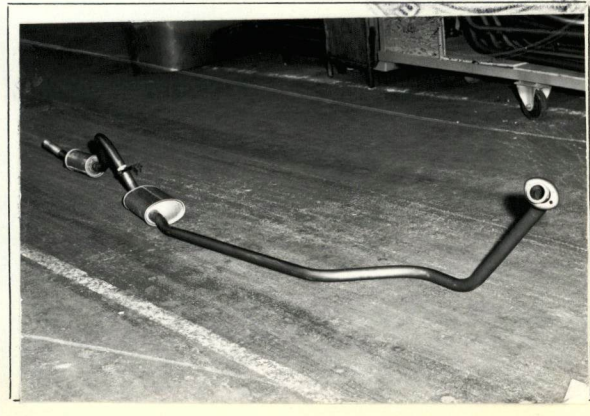
G



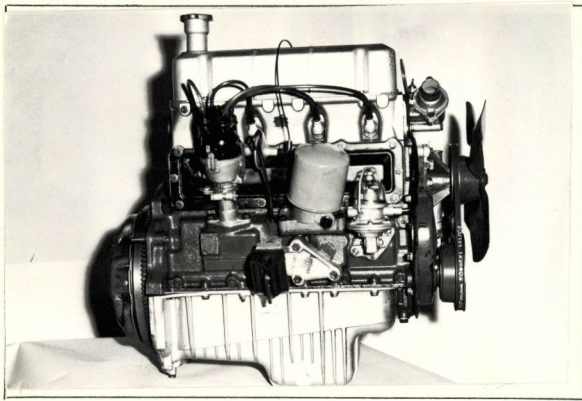
H



I

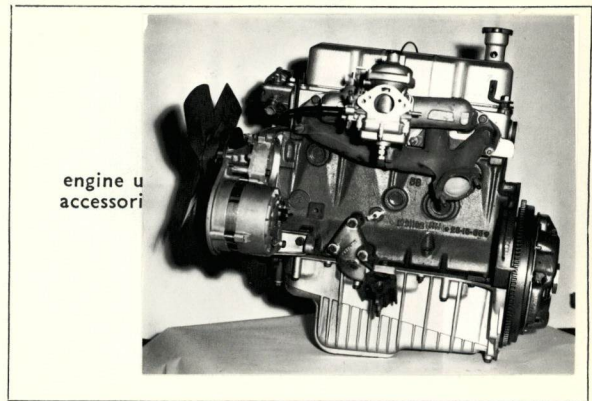


J

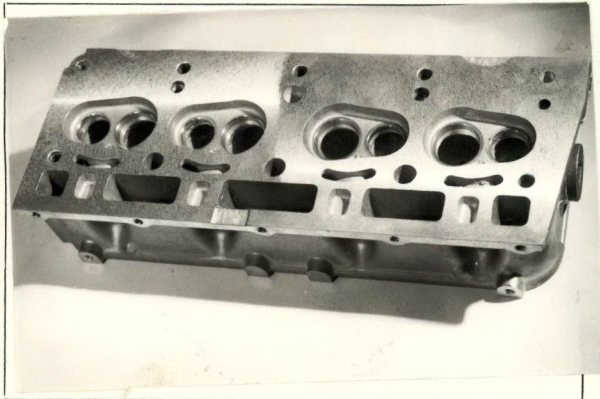


engine u  
accessori

K



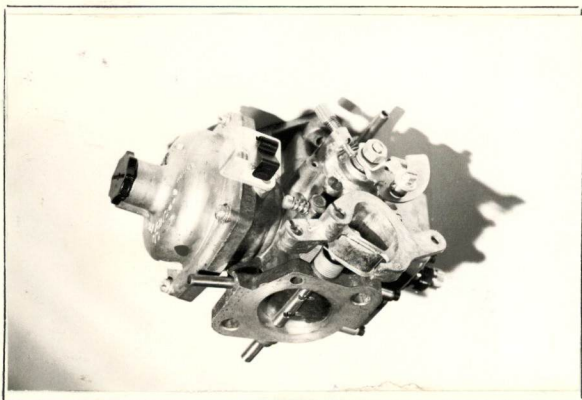
L



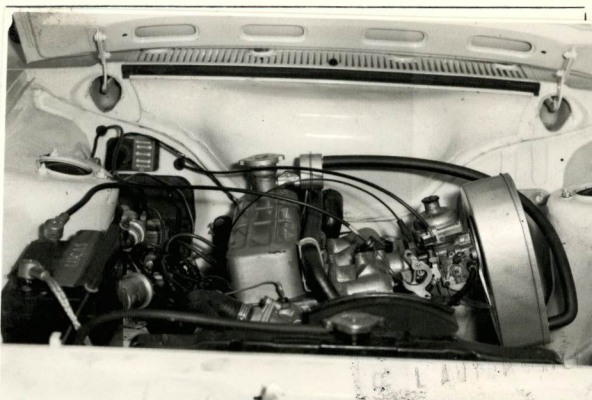
M



N



O



P



Q

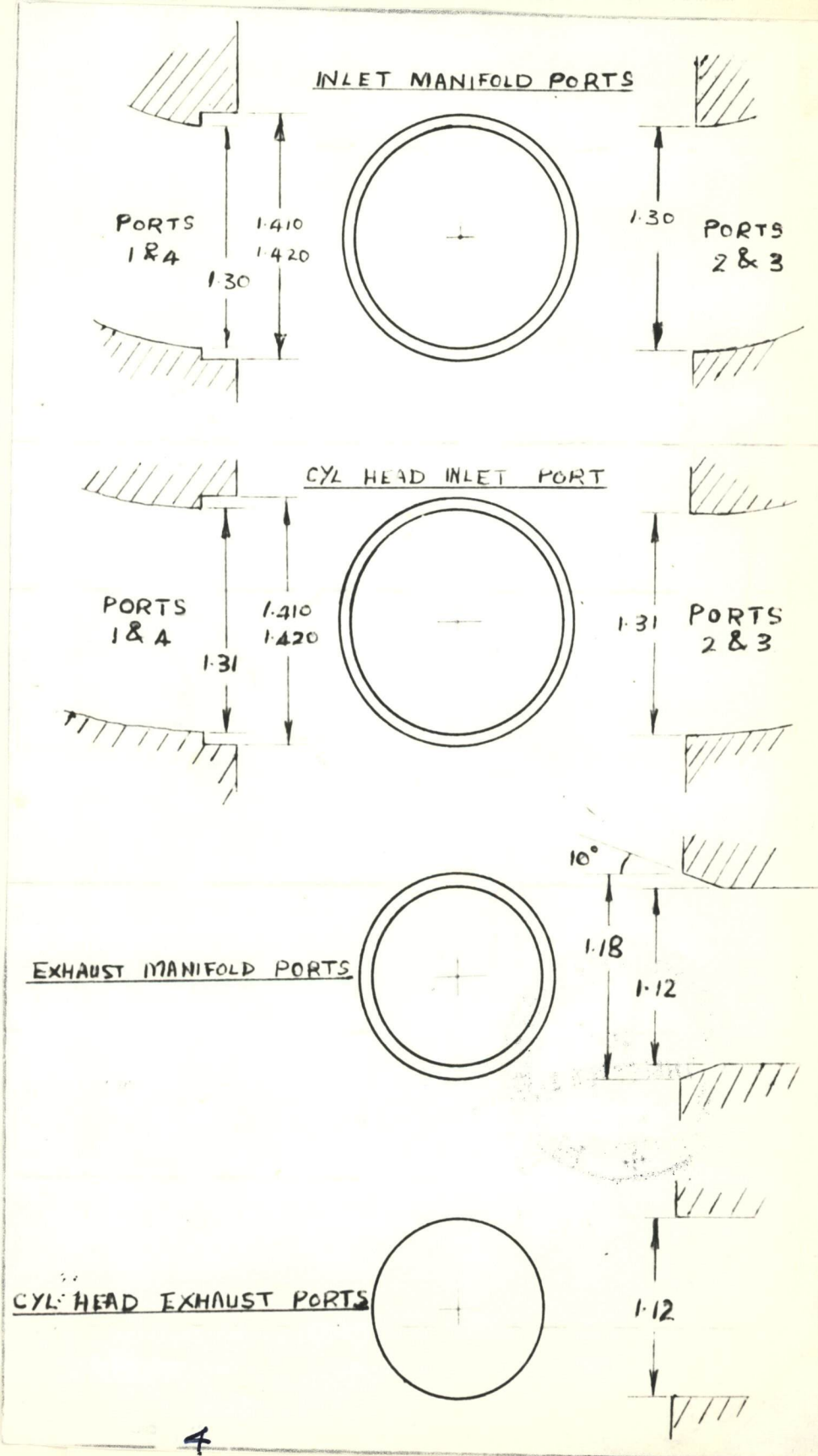


Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

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.

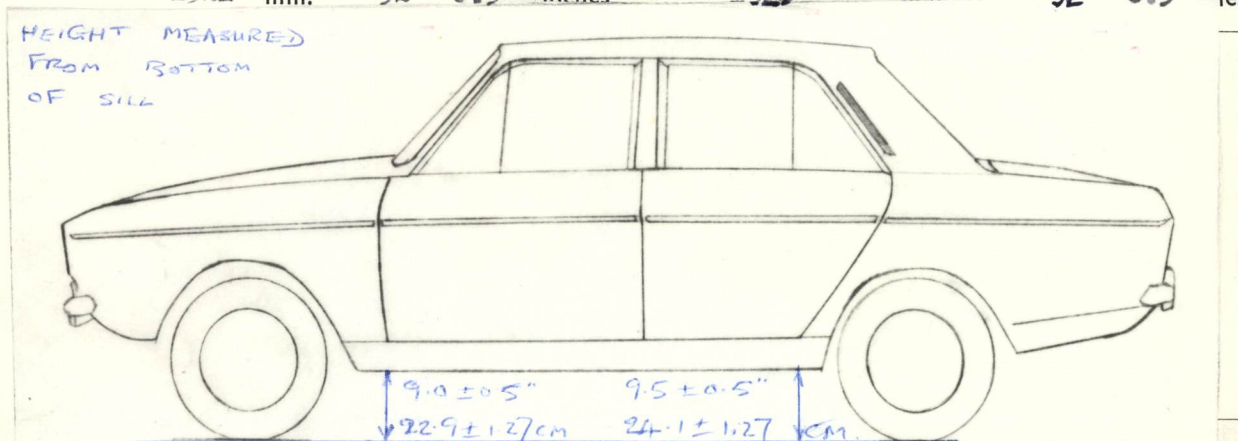


**NOTE 1.**

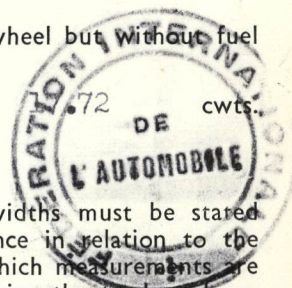
All dimensions must be given in two measuring systems, see Note 3.

**CAPACITIES AND DIMENSIONS**

- |                |                        |     |                     |        |
|----------------|------------------------|-----|---------------------|--------|
| 1. Wheelbase   | 2502                   | mm. | 98.5                | inches |
| 2. Front track | 1321 <sup>±</sup> 12.7 | mm. | 52 <sup>±</sup> 0.5 | inches |
| 3. Rear track  | 1321 <sup>±</sup> 12.7 | mm. | 52 <sup>±</sup> 0.5 | inches |



- |  |      |       |       |            |    |            |
|--|------|-------|-------|------------|----|------------|
| 4. Overall length of the car   | 4305 | cm.   | 169.5 | inches     |    |            |
| 5. Overall width of the car  | 1613 | cm.   | 63.5  | inches     |    |            |
| 6. Overall height of the car (Unladen)   | 1422 | cm.   | 56    | inches     |    |            |
| 7. Capacity of fuel tank (reserve included)  | 45   | ltrs. | 12.0  | gall. U.S. | 10 | 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 : | 900  | kg.   | 1985  | lbs.       | 72 | 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. <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.   |

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

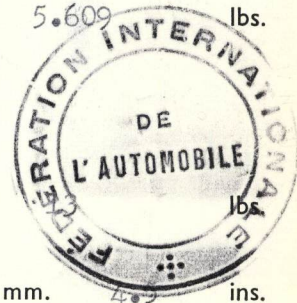
- 20. Chassis/body construction: ~~separate~~/unitary construction
- 21. Unitary construction, material(s) Steel.
- 22. Separate construction, Material(s) of chassis -
- 23. Material(s) of coachwork Steel.
- 24. Number of doors 4 Material(s) Steel.
- 25. Material(s) of bonnet Steel.
- 26. Material(s) of boot lid Steel.
- 27. Material(s) of rear-window Safety Glass.
- 28. Material(s) of windscreen Safety Glass.
- 29. Material(s) of front-door windows Safety Glass.
- 30. Material(s) of rear-door windows Safety Glass.
- 31. Sliding system of door windows Vertical Winding.
- 32. Material(s) of rear-quarter light Safety 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 Ambla  
Plastic foam underlay.
- 42. Weight of front seat(s), complete with supports and rails, out of the car :  
( 1 seat. ) 12.02 kg. 26.5 lbs.
- 43. Rear seats, type of seat and upholstery Ambla, Plastic Foam Underlay.
- 44. Front bumper, material(s) Steel Weight 2.53 kg. 5.5 lbs.
- 45. Rear bumper, material(s) Steel Weight 2.54 kg. 5.609 lbs.

**WHEELS**

- 50. Type Pressed Steel Ventilated Disc.
- 51. Weight (per wheel, without tyre) 5.9 kg. 13 lbs.
- 52. Method of attachment 4 Stud.
- 53. Rim diameter 330.2 mm. 13 ins. 54. Rim width 114.3 mm. 4.5 ins.



**STEERING**

- 60. Type Recirculating Ball.
- 61. Servo-assistance : ~~yes~~ — no
- 62. Number of turns of steering wheel from lock to lock 3.3
- 63. In case of servo-assistance -

**SUSPENSION**

- 70. Front suspension (photograph D), type Independent Armstrongs Strut.
- 71. Type of spring Coil.
- 72. Stabiliser (if fitted) Bar and Brake Reaction Rod.
- 73. Number of shock absorbers 2
- 74. Type Telescopic.
- 78. Rear suspension (photograph E), type Rigid Axle.
- 79. Type of spring Semi Elliptic Leaf.
- 80. Stabiliser (if fitted) nil.
- 81. Number of shock absorbers 2
- 82. Type Telescopic.

**BRAKES** (photographs F and G)

- 90. Method of operation Hydraulic.
- 91. Servo-assistance (if fitted), type -
- 92. Number of hydraulic master cylinders 1

|                                   | FRONT                  | REAR                  |
|-----------------------------------|------------------------|-----------------------|
| 93. Number of cylinders per wheel | 2                      | 1                     |
| 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 inches      |
| 96. Length of brake linings   | mm.              | inches  | 219 mm.                  | 8.62 inches   |
| 97. Width of brake linings    | mm.              | inches  | 43.68 mm.                | 1.72 inches   |
| 98. Number of shoes per brake | 2                |         |                          |               |
| 99. Total area per brake      | mm. <sup>2</sup> | sq. in. | 17967.7 mm. <sup>2</sup> | 27.85 sq. in. |

**Disc Brakes**

|                               |                       |                    |
|-------------------------------|-----------------------|--------------------|
| 100. Outside diameter         | 243.84 mm.            | 9.6 inches         |
| 101. Thickness of disc        | 8.64 - 8.89 mm.       | 0.34 - 0.35 inches |
| 102. Length of brake linings  | 66.55 mm.             | 2.62 inches        |
| 103. Width of brake linings   | 46.5 mm.              | 1.83 inches        |
| 104. Number of pads per brake | 2                     |                    |
| 105. Total area per brake     | 5032 mm. <sup>2</sup> | 7.8 sq. in.        |

Tapered.



**ENGINE** (photographs J and K)

130. Cycle 4 Stroke 131. Number of cylinders 4
132. Cylinder Arrangement In line inclined at 10°
133. Bore 81.5 mm. 3.21 in. 134. Stroke 82.5 mm. 3.25 in.
135. Capacity per cylinder 431 cm.<sup>3</sup> 26.3 cu. in.
136. Total cylinder capacity 1724 cm.<sup>3</sup> 105.2 cu. in.
137. Material(s) of cylinder block Cast iron. 138. Material(s) of sleeves (if fitted) -
139. Cylinder head, material(s) Aluminium. Number fitted 1.
140. Number of inlet ports 4 141. Number of exhaust ports 4
142. Compression ratio 9.1 (8.57 - 9.72)
143. Volume of one combustion chamber in head 38.6 ± 2.1 cm.<sup>3</sup> 2.36 ± 0.13 cu. in.
144. Piston, material Aluminium. 145. Number of rings 3
146. Distance from gudgeon pin centre line to highest point of piston crown 46.86 - 47.0 mm. 1.845 - 1.850 in.
147. Crankshaft : moulded/~~stamped~~ 148. Type of crankshaft: integral/yes.....
149. Number of crankshaft main bearings 5
150. Material of bearing cap cast iron.
151. System of lubrication : ~~dry sump~~/oil in sump
152. Capacity, lubricant 3.7 ltrs. 6.5 pts. 3.9 quarts U.S. Without filter.  
7.5 pints with.
153. Oil cooler : yes/no 154. Method of engine cooling Water.
155. Capacity of cooling system 6.52 ltrs. 11.5 pts. 6.9 quarts U.S.
156. Cooling fan (if fitted) dia. 37.0 cm. 14.5 in.
157. Number of blades of cooling fan 4

**Bearings**

158. Crankshaft main, type Shell. dia. 60.3 m.m. 2.374 in.
159. Connecting rod big end, type Shell. dia. 54.0 m.m. 2.126 in.

**Weights**

160. Flywheel (clean) 10.036 kg. 22.25 lbs.
161. Flywheel with clutch (all turning parts) 14.72 kg. 32.448 lbs.
162. Crankshaft 14.97 kg. 33 lbs. 163. Connecting rod 0.751 kg. 1.656 lbs. TOP  
LIMIT.
164. Piston with rings and pin 0.626 kg. 1.379 lbs.





**FOUR STROKE ENGINES**

170. Number of camshafts 1. 171. Location Right hand side of crankcase.  
 172. Type of camshaft drive Single Stage Duplex Chain.  
 173. Type of valve operation Push Rod and Rocker.

**INLET** (see page 4)\*

180. Material(s) of inlet manifold Aluminium.  
 181. Diameter of valves (Valve head) 38.23 mm. 1.505 ins.  
 182. Max. valve lift 9.26 mm. 0.3644 in. 183. Number of valve springs 2  
 184. Type of spring Coil. 185. Number of valves per cylinder 1  
 186. Tappet clearance for checking timing (cold) 0.305 mm. 0.012 ins. HOT.  
 187. Valves open at (with tolerance for tappet clearance indicated) 0.015 in. 19° B.T.D.C.  
 188. Valves close at (with tolerance for tappet clearance indicated) 0.015 in. 57° 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 30.63 mm. 1.206 ins.  
 197. Max. valve lift 9.26 mm. 0.3644 in. 198. Number of valve springs 2  
 199. Type of spring Coil. 200. Number of valves per cylinder 1  
 201. Tappet clearance for checking timing (cold) 0.356 mm. 0.014 ins. HOT.  
 202. Valves open at (with tolerance for tappet clearance indicated) 0.015 in. 61° B.B.D.C.  
 203. Valves close at (with tolerance for tappet clearance indicated) 0.015 in. 15° A.T.D.C.

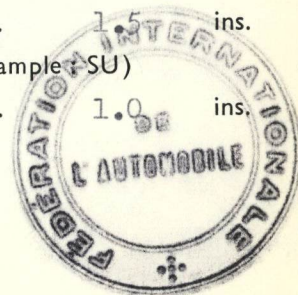
**CARBURETION** (photograph N)

210. Number of carburettors fitted 1 211. Type Horizontal.  
 212. Make Zenith Stromberg. 213. Model 150 C.D.S.  
 214. Number of mixture passages per carburettor 1  
 215. Flange hole diameter of exit port(s) of carburettor 38.1 mm. 1.5 ins.  
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example: SU) 1.0 ins.  
 Piston Lift. 25.4 mm.

**INJECTION** (if fitted) NIL.

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.

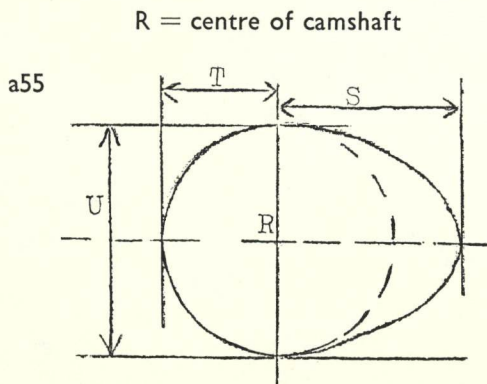


**ENGINE ACCESSORIES**

- 230. Fuel pump : mechanical ~~and/or electrical~~
- 231. No. fitted 1.
- 232. Type of ignition system Coil. 233. No. of distributors 1.
- 234. No. of ignition coils 1. 235. No. of spark plugs per cylinder 1.
- 236. Generator, type : ~~dynamo~~/alternator—number 1.  
fitted
- 237. Method of drive Belt.
- 238. Voltage of generator 12 volts
- 239. Battery, number 1
- 240. Location Engine Compartment.
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output 80 (type of horsepower: B.H.P. ) at 5000 r.p.m.
- 251. Max. r.p.m. 6100 output at that figure Not available.
- 252. Max. torque 103 lb. ft. at 3000 r.p.m.
- 253. Max. speed of the car 145 km./hour 90 miles/hour

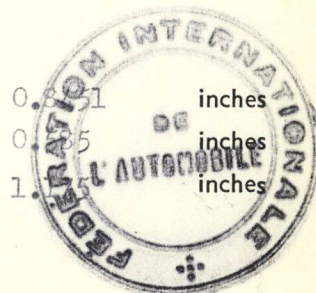


**Inlet cam**

|     |        |     |       |        |
|-----|--------|-----|-------|--------|
| S = | 21.466 | mm. | 0.851 | inches |
| T = | 14.86  | mm. | 0.585 | inches |
| U = | 29.85  | mm. | 1.175 | inches |

**Exhaust cam**

|     |        |     |        |        |
|-----|--------|-----|--------|--------|
| S = | 21.466 | mm. | 0.8451 | inches |
| T = | 14.86  | mm. | 0.585  | inches |
| U = | 29.85  | mm. | 1.175  | inches |





Make Singer Model Vogue F.I.A. Rec. No. 5736

**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.

Variant. Title.

This car is marketed in the U.S.A. and certain other export territories under the marque name of "Sunbeam".





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

Manufacturer.....Rootes Group.....

Model.....Singer Vogue.....

Amendment No.....5136.....

F.I.A. Recognition No.....1.....

Amendment to Form of Recognition

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.                      Reference No.

OPTIONAL EQUIPMENT - GROUP 1 and 2.

278.

Overdrive equipped variant.



Photograph H.  
Overdrive Gearbox.

2.            293.

Final drive ratio on cars fitted with overdrive:    3.89

Number of teeth:                      9 - 35

3.            9.

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

907 kgs.

2005 lbs.

17.92 cwt.



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

Date amendment is valid from 28th Jan. 1967





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

Manufacturer Rootes Motors Ltd.

Model SINGER VOGUE

F.I.A. Recognition No. 5136

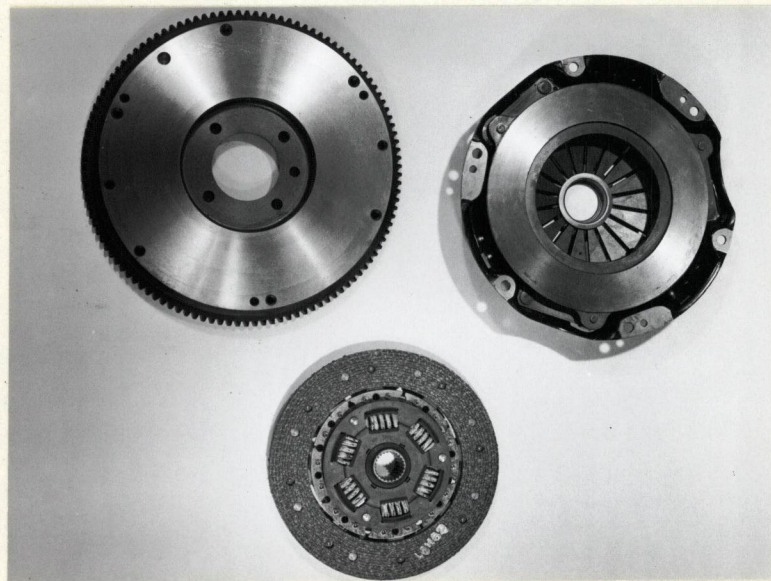
Amendment No. B 1/15

GR II

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

| No.  | Reference No.                 | <u>OPTIONAL EXTRAS</u> ( Not valid in Group 1 ) |                            |
|------|-------------------------------|---|----------------------------|
|      | HOLBAY TYPE CLUTCH.           | CTS NO's  | 1246220, 1801582, 1801583. |
| 260. | Type                          | :-  | Diaphragm.                 |
| 261. | No of Plates                  | :-  | 1                          |
| 262. | Diameter of Plates            | :-  | 8.5 in, 21.5 cm.           |
| 263. | Diameter of Lining            | I.D. :-   | 5.75 in, 14.6 cm.          |
|      |                               | O.D. :-   | 8.5 in, 21.5 cm.           |
| 264. | Method of operation           | :-  | Hydraulic.                 |
| 160. | Weight of Flywheel            | :-  | 21.1 lb, 9.6 kg.           |
| 161. | Weight of Flywheel and clutch | :-  | 34.7 lb, 15.7 kg.          |



Date amendment is valid from 1/4/70 - 70/4

Stamp of F.I.A./R.A.C.  
FEDERATION INTERNATIONALE DE L'AUTOMOBILE  
*[Signature]*



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

Manufacturer Rootes Motors Ltd.

Model SINGER VOGUE.

F.I.A. Recognition No. 5136

Amendment No. 2/254 GRII

*Amendment to Form of Recognition*

**FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.

Reference No.

OPTIONAL EXTRAS ( Not valid in Group 1 )

COMPETITION UNDERSHIELD, CTS 180010.

Width ( max ) :- 29 in, 73.5 cm.

Length :- 24 in, 61 cm.

Height :- 10 in, 25.4 cm.



Date amendment is valid from 1/1/70-70/4

