

F.I.A. Recognition No **5152**
 Group ... **1 - Tourisme de Serie** ...

FEDERATION INTERNATIONALE DE L' AUTOMOBILE

Form of recognition in accordance with
 Appendix J to the International Sporting Code.

Manufacturer **A. B. Volvo** Cylinder-capacity ... **1778** cm³ **109** in³
 Serial No of chassis **216 950*** Model **123 GT**
 engine **1** Manufacturer **A. B. Volvo**
 Recognition is valid from **1st April '67** List **16/1**
*** is included in the 1300-series**
 The manufacturing of the model described in this recognition form was started on **22/8** .19**66**
 and the minimum production of .. **5000** .. identical cars, in accordance with the specifica-
 tions of this form was reached on **28/2** 19**67**

Photograph A, 3/4 view of car from front



The vehicle described in this form has been subject to the following amendments

Variants

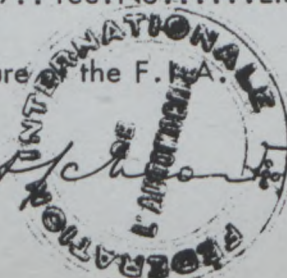
Normal evolution of the type

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.....

Stamp and signature of the
 National Sports Authority



Stamp and signature of the F.I.A.



Make

Model

F.I.A. Rec.No

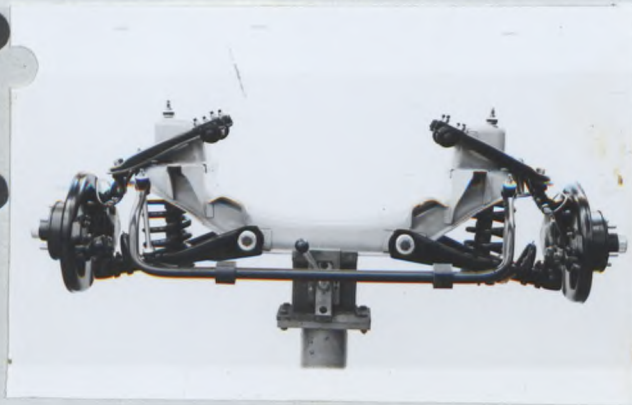
Photograph B



Photograph C



Photograph D



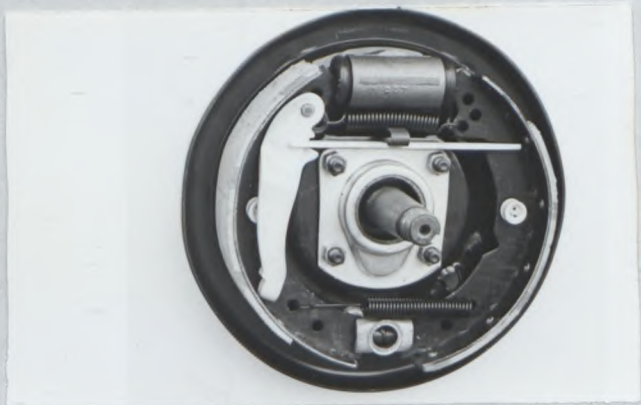
Photograph E



Photograph F



Photograph G



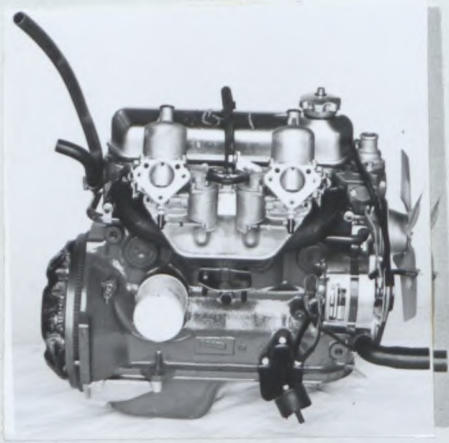
Photograph H



Photograph I



Photograph J



Photograph K



Photograph L

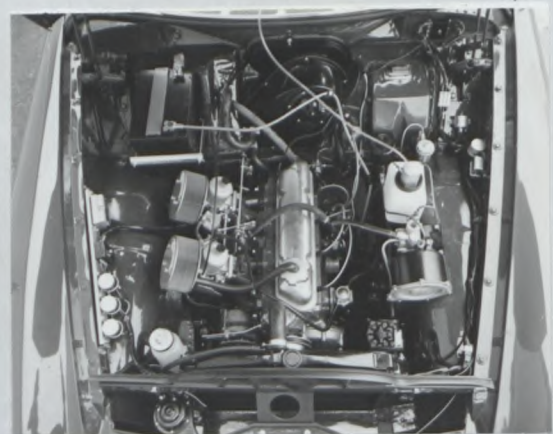
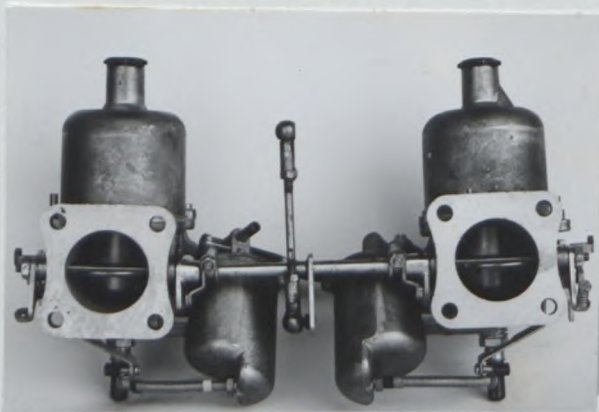


Photograph M



Photograph N

Photograph O



Photograph P

Photograph Q

inlet manifold



Make

Model

F.I.A. Rec.No

Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



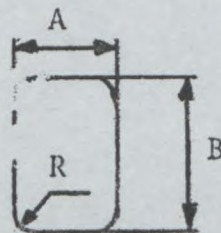
$$\varnothing 36 \pm 0,31$$

Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



$$\varnothing 36 \pm 0,31$$

Drawing exhaust manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.

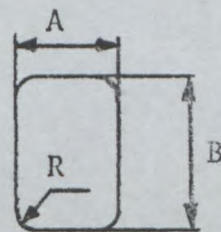


$$A = 27 \pm 0,8$$

$$B = 40 \pm 0,8$$

$$R = 5 \pm 0,8$$

Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



$$A = 25 \pm 0,8$$

$$B = 38 \pm 0,8$$

$$R = 4 \pm 0,8$$

IMPORTANT - the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

CAPACITIES AND DIMENSIONS

1. <u>Wheelbase</u>	2600	mm	102 1/2	inches
2. <u>Front track</u>	1315	mm	51 3/4	inches *
3. <u>Rear track</u>	1315	mm	51 3/4	inches *
4. Overall length of the car	444	cm		inches
5. Overall width of the car	163	cm		inches
6. Overall height of the car	147	cm		inches
7. <u>Capacity of fuel tank</u> (reserve included)	12 Gallon US		45 ltrs 10 Gallon Imp.	
8. Seating capacity	5			
9. <u>Weight</u> , total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:	1013 kg	2233 lbs	19,9 cwt	

*) 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 recognizable 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.

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 square inch/pouce carré	- 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*
- Separate construction
- 22. Material (s) of chassis
- 23. Material (s) of coachwork
- 24. Number of doors *2* Material (s) *sheet-metal*
- 25. Material (s) of bonnet *sheet-metal*
- 26. Material (s) of boot lid *sheet-metal*
- 27. Material (s) of rear-window *tempered glass*
- 28. Material (s) of windscreen *laminated glass*
- 29. Material (s) of front-door windows *tempered glass*
- 30. Material (s) of rear-door windows
- 31. Sliding system of door windows *window winders*
- 32. Material (s) of rear-quarter light *tempered 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 *separate seats, vinyl*
- 42. Weight of front seat (s), complete with supports and rails, out of the car :
per chair 15 kg
- 43. Rear seats, type of seat and upholstery *bench, vinyl* lbs
- 44. Front bumper, material (s) *chrome-plated steel* Weight *9,6* kg lbs
- 45. Rear bumper, material (s) *chrome-plated steel* Weight *9,6* kg lbs

WHEELS

- 50. Type *disc wheels*
- 51. Weight (per wheel, without tyre) *6,9* kg lbs
- 52. Method of attachment *with 5 nuts*
- 53. Rim diameter *381* mm *15* inches
- 54. Rim width *102* mm *4* inches

STEERING

- 60. Type *cam and roller*
- 61. Servo-assistance : ~~yes~~ - no
- 62. Number of turns of steering wheel from lock to lock *3,25*
- 63. In case of servo-assistance

SUSPENSION

- 70. Front suspension (photogr. D), type *individual*
- 71. Type of spring *coil*
- 72. Stabiliser (fitted) *yes*
- 73. Number of shockabsorbers *2*
- 74. Type *telescopic*
- 78. Rear suspension (photogr. E), type *rigid axle*
- 79. Type of spring *coil*
- 80. Stabiliser (if fitted) *-*
- 81. Number of shockabsorbers *2*
- 82. Type *telescopic*

BRAKES (photographs F and G)

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

	FRONT		REAR	
93. Number of cylinders per wheel		<i>3</i>		<i>1</i>
94. Bore of wheel cylinder (s)	<i>2x38</i> <i>1x54</i>	mm	in. <i>22,2</i>	mm in.
Drum brakes				
95. Inside diameter		mm	in. <i>228,6</i>	mm in.
96. Length of brake linings		mm	in. <i>220x2</i>	mm in.
97. Width of brake linings		mm	in. <i>50</i>	mm in.
98. Number of shoes per brake			<i>2</i>	
99. Total area per brake		mm ²	sq.in. <i>2100</i>	mm ² sq.in.
Disc brakes				
100. Outside diameter	<i>268,5</i>	mm	in.	mm in.
101. Thickness of disc	<i>12,7</i>	mm	in.	mm in.
102. Length of brake linings	<i>85</i>	mm	in.	mm in.
103. Width of brake linings	<i>52</i>	mm	in.	mm in.
104. Number of pads per brake	<i>2</i>			
105. Total area per brake	<i>9100</i>	mm ²	sq.in.	mm ² sq.in.

ENGINE (photographs J and K)

- 130. Cycle *4-Stroke*
- 131. Number of cylinders *4*
- 132. Cylinder arrangement *in line*
- 133. Bore *84,14 ± 0,01* mm *3,313* in.
- 134. Stroke *80,0 ± 0,01* mm *3,15* in.
- 135. Capacity per cylinder *444,5* cm³ *27,13* cu.in.
- 136. Total cylinder-capacity *1778* cm³ *109* cu.in.
- 137. Material (s) of cylinder block *cast iron*
- 138. Material (s) of sleeves (if fitted)
- 139. Cylinder-head, material (s) *cast iron* Number fitted
- 140. Number of inlet ports *4*
- 141. Number of exhaust ports *4*
- 142. Compression ratio *10,0:1*
- 143. Volume of one combustion chamber *49,5* cm³ cu.in.
- 144. Piston, material *light-alloy*
- 145. Number of rings *3*
- 146. Distance from gudgeon pin centre line to highest point of piston crown
46 ± 0,1 mm inches
- 147. Crankshaft : ~~moulded~~ / stamped
- 148. Type of crankshaft : integral /
- 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 *3,75* ltrs pts quarts US
- 153. Oil cooler: ~~yes~~ / no
- 154. Method of engine cooling *water*
- 155. Capacity of cooling system *8,6* ltrs pints quarts US
- 156. Cooling fan (if fitted), dia. *33,5* cm inches
- 157. Number of blades of cooling fan *4*

Bearings

- 158. Crankshaft main, type Dia. *63,45* mm *copper-lead-indium* in.
- 159. Connecting rod big end, type Dia. *54,1* mm *copper-lead-indium* in.

Weights

- 160. Flywheel (clean) *9,9* kg lbs
- 161. Flywheel with clutch (all turning parts) *15,9* kg lbs
- 162. Crankshaft *16,7* kg lbs
- 163. Connecting rod *0,680* kg lbs
- 164. Piston with rings and pin *0,580* kg lbs

FOUR STROKE ENGINES

170. Number of camshafts *1*
 171. Location *cylinder block*
 172. Type of camshaft drive *gears*
 173. Type of valve operation *push rod*

INLET (see page 4)*

180. Material (s) of inlet manifold *cast iron*
 181. Diameter of valves *40* mm *1,58* inches
 182. Max. valve lift *10,2* mm *0,40* in.
 183. Number of valve springs *1*
 184. Type of spring *coil*
 185. Number of valves per cylinder *1*
 186. Tappet clearance for checking timing (cold) *1,44* mm *inches*
 187. Valves open at (with tolerance for tappet clearance indicated) *0° T.D.C.*
 188. Valves close at (with tolerance for tappet clearance indicated) *40° A.B.D.C.*
 189. Air filter, type *paper*

EXHAUST (see page 4)

195. Material (s) of exhaust manifold *cast iron*
 196. Diameter of valves *35* mm *1,38* inches
 197. Max. valve lift *10,2* mm *0,40* in.
 198. Number of valve springs *1*
 199. Type of spring *coil*
 200. Number of valves per cylinder *1*
 201. Tappet clearance for checking timing (cold) *1,44* mm *inches*
 202. Valves open at (with tolerance for tappet clearance indicated) *40° B.B.D.C.*
 203. Valves close at (with tolerance for tappet clearance indicated) *0° A.T.D.C.*

CARBURETION (photograph N)

210. Number of carburettors fitted *2*
 211. Type *horizontal*
 212. Make *SU*
 213. Model *HS-6*
 214. Number of mixture passages per carburettor *1*
 215. Flange hole diameter of exit port (s) of carburettor *44,5* mm *in.*
 216. Minimum diameter of venturi / minimum diam. with piston at maximum height

mm

inches

INJECTION (if fitted)

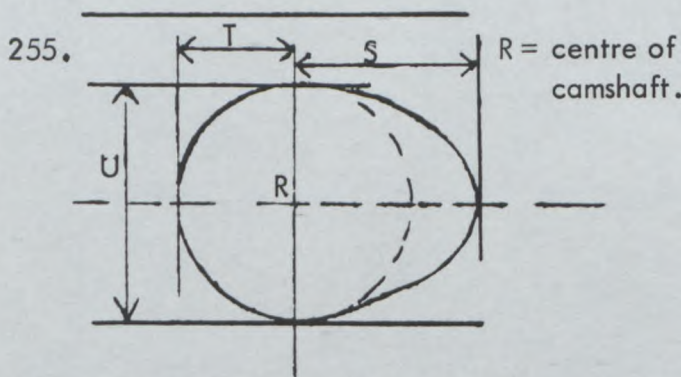
220. Make of pump
 221. Number of plungers
 222. Model or type of pump
 223. Total number of injectors
 224. Location of injectors
 225. Minimum diameter of inlet pipe mm inches

ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~and/or electric~~
- 231. No fitted /
- 232. Type of ignition system *coil*
- 233. No of distributors /
- 234. No of ignition coils /
- 235. No of spark plugs per cylinder /
- 236. Generator, type : ~~dynamo~~ / alternator - number fitted /
- 237. Method of drive *belt driven*
- 238. Voltage of generator *12* volts
- 239. Battery, number /
- 240. Location *under bonnet against firewall*
- 241. Voltage of battery *12* volts

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

- 250. Max. engine output *115 hp* (type of horsepower: *SAE*) at *6000* rpm
- 251. Maximum rpm *6000* output at that figure *115*
- 252. Maximum torque *15,5 kgm* *SAE* *4000* rpm
- 253. Maximum speed of the car km/hour miles/hour



<u>Inlet cam</u>		
S =	<i>21,3</i> mm	<i>0,83</i> inches
T =	<i>14,6</i> mm	inches
U =	<i>29,418</i> mm	inches
<u>Exhaust cam</u>		
S =	<i>21,3</i> mm	<i>0,83</i> inches
T =	<i>14,6</i> mm	inches
U =	<i>29,418</i> mm	inches

DRIVE TRAIN
CLUTCH

- 260. Type of clutch *dry disc*
- 261. No of plates *1*
- 262. Dia. of clutch plates *21,6* cm inches
- 263. Dia. of linings, inside *14,0* cm, in. outside *21,6* cm in.
- 264. Method of operating clutch *hydraulic*

GEAR BOX (photograph H)

- 270. Manual type, make *Volvo M 41* Method of operation *manual*
- 271. No of gear-box ratios forward *4*
- 272. Synchronized forward ratios *4*
- 273. Location of gear-shift *centre floor lever*
- 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	<i>3,13:1</i>	<i>33:15</i>						
2	<i>1,99:1</i>	<i>28:20</i>						
3	<i>1,36:1</i>	<i>23:22</i>						
4	<i>1:1</i>							
5								
6								
reverse								

- 278. Overdrive, type *electrically-operated*
- 279. Forward gears on which overdrive can be selected *No 4*
- 280. Overdrive ratio *0,756:1*

FINAL DRIVE

- 290. Type of final drive *hypoid*
- 291. Type of differential *rigid axle*
- 292. Type of limited slip differential (if fitted)
- 293. Final drive ratio *4,56:1*
- Number of teeth *41:9*

Make

Model

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, 236, 250, 251, 252, 253, 255, and photographs I, M and N. and page 4.

During the scrutineering of cars entered in group 4 (Sportcars) 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.

Optional equipment affecting preceding information. This to be stated together with reference number.



KUNGL. AUTOMOBIL KLUBBEN
THE ROYAL SWEDISH AUTOMOBILE CLUB

Form of Recognition (Variation)
Identifieringskort (Variant)

valid from
gällande fr. o. m. **1.5.1968**

upon documentation delivered by the manufacturer.
på grundval av från tillverkaren lämnade uppgifter.

Make
Märke **VOLVO**

Previously recognized type, to which this extension refers
Tidigare klassad typ, till vilken detta tillägg hänföres **123 GT**

Date when the first vehicles in this stage of development were manufactured
Tillverkningsdatum för de första fordonen av denna vidareutveckling **14.8.1967**

Serial No. of the type inaugurating this extension
Nummerserie för denna utvecklade typ **15 INCLUDED IN THE 1300-SERIES.**

Model name of this variation
Modellbeteckning för denna variant

The
Modellen **13234**

recognized in Category
klassad i kategori **TOURING**

by the F.I.A. on the
av F.I.A. den **1st May 1968**

List
Lista **1968/6**

as a normal
som normal

development of the original vehicle type.
utveckling av vagnstypen

Stamp and signature of the F.I.A.
FIA:s signatur och stämpel

DESCRIPTION OF MODIFICATIONS HAVING LED TO THIS RECOGNITION
BESKRIVNING AV DE ÄNDRINGAR, SOM LETT TILL DENNA KLASSNING

THE FOLLOWING COMPONENTS ARE EXCLUDED FROM THE SPECIFICATION OF THE NEW VERSION IN COMPARISON WITH HOMOLOGATION 5152.

1. REVOLUTION COUNTER (PAGE 2, FIG. C)
2. REAR-VIEW MIRROR, WING MOUNTED (PAGE 1)
3. AUXILLIARY LIGHTS (PAGE 1)
4. FRONT SEAT RECLINING UNITS (PAGE 2, FIG. C)
5. OVERDRIVE (278 - 279 - 280)

OTHER DIFFERENCES
FINAL DRIVE

- 236. GENERATOR TYPE: DYNAMO - NUMBER FITTED: 1
- 293. FINAL DRIVE RATIO 4.56:1 - 4.1:1
NUMBER OF TEETH 41:9 - 41:10

Handwritten signature and stamp

Stockholm den 28/3 1968
KUNGL. AUTOMOBIL KLUBBEN

