

F.I.A. Recognition No ..5627.....
 Group1.....

FEDERATION INTERNATIONALE DE L' AUTOMOBILE

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

Manufacturer AB Volvo..... Cylinder-capacity .2127.....cm3...129.8...in3
 Model244 GL.....
 Serial No of chassis .0001..... ManufacturerAB Volvo.....
 engine .0001..... ManufacturerAB Volvo.....
 Recognition is valid from..1.3.76... List

The manufacturing of the model described in this recognition form was started on .10/8..1974
 and the minimum production of ..5000.... identical cars, in accordance with the specifica-
 tions of this form was reached on 1/1.....1975

Photograph A, 3/4 view of car from front



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

| <u>Variants</u> | <u>Normal evolution of the type</u> |
|---------------------------------------|-------------------------------------|
| 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 Sporting Authority
SVENSKA BILSPORTFÖRBUNDET
 THE SWEDISH AUTOMOBILE-SPORT FEDERATION
[Signature]

Stamp and signature of the National Sporting Authority

 Stamp and signature of the National Sporting Authority

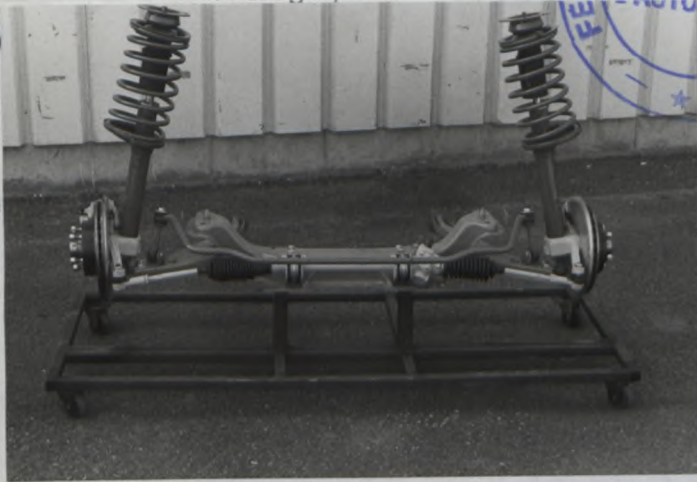
Photograph B



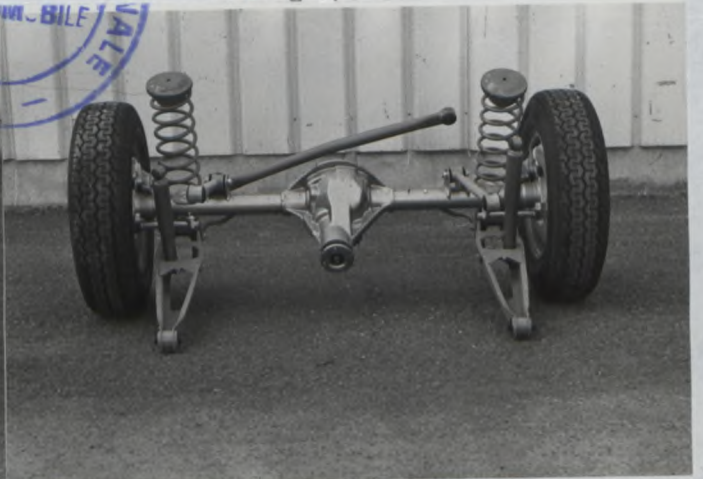
Photograph C



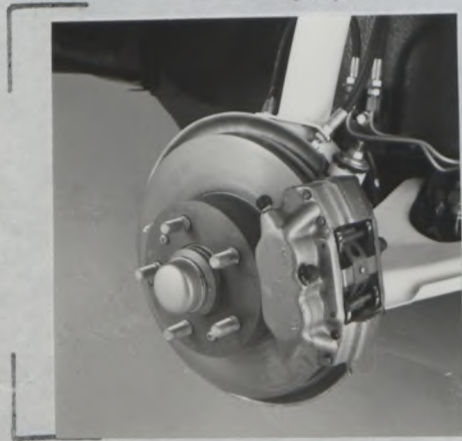
Photograph D



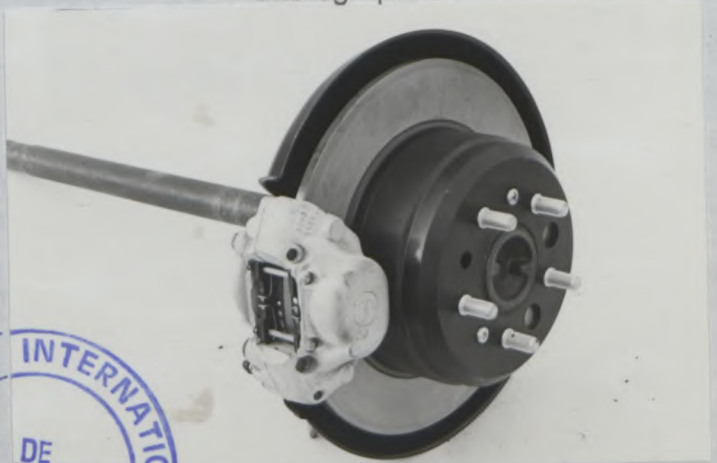
Photograph E



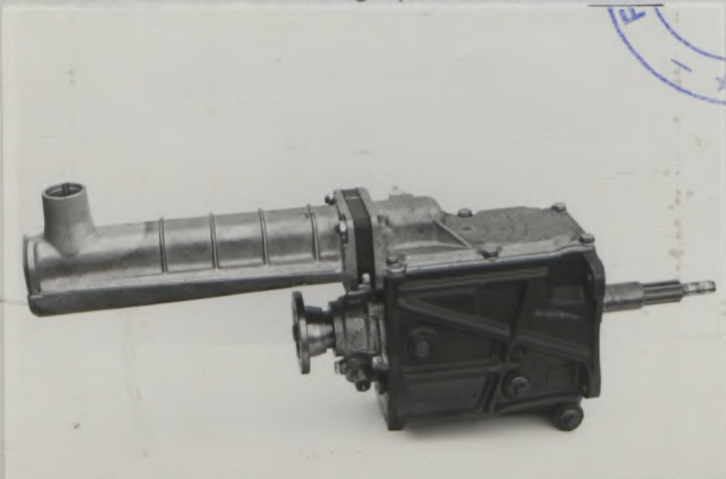
Photograph F



Photograph G



Photograph H

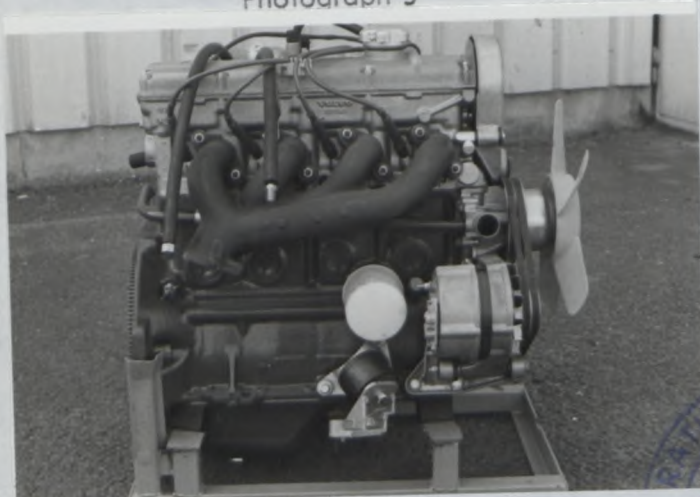


Photograph I

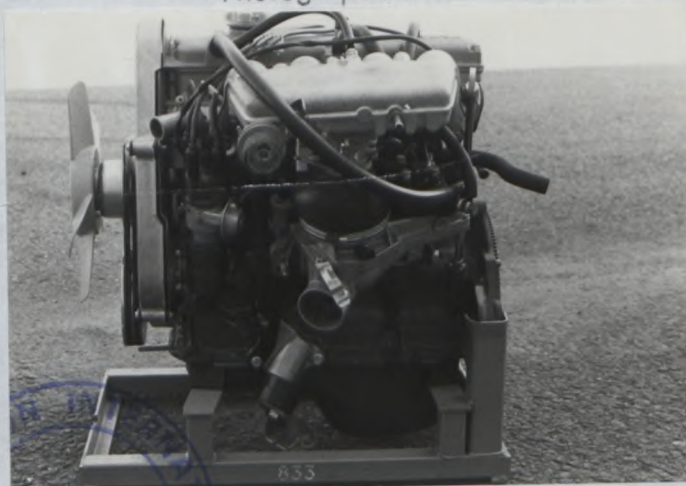


FEDERATION INTERNATIONALE DE L'AUTOMOBILE

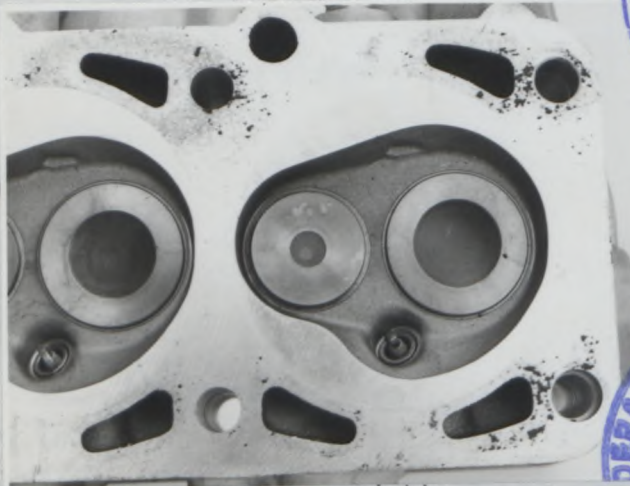
Photograph J



Photograph K



Photograph L

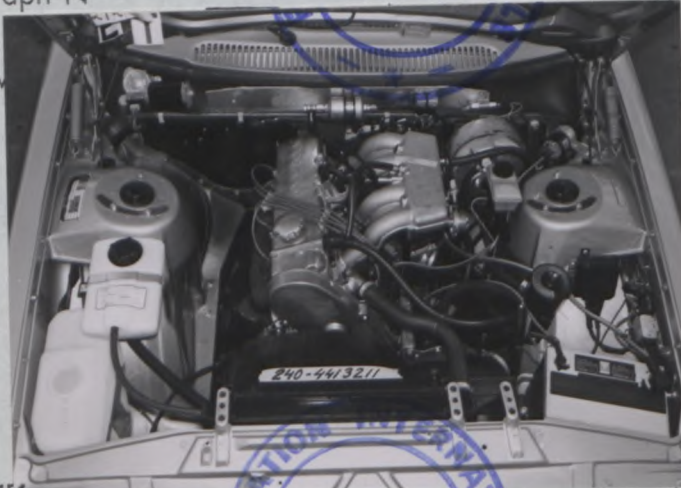


Photograph M



Photograph N

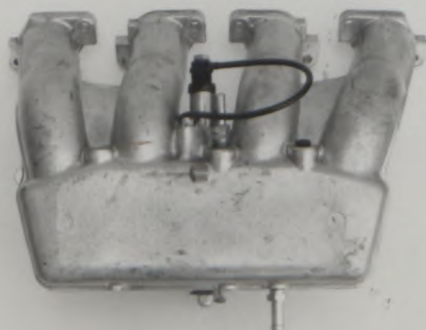
Carburettor (view manifold)



with all accessories, removed.

Photograph

Photograph Q

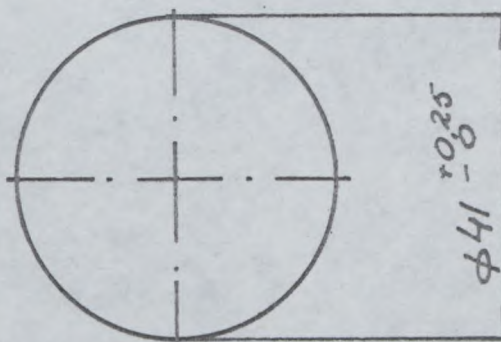


Make Volvo

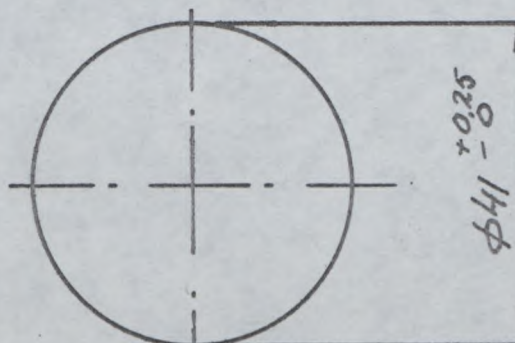
Model 244 GL

F.I.A. Rec.No

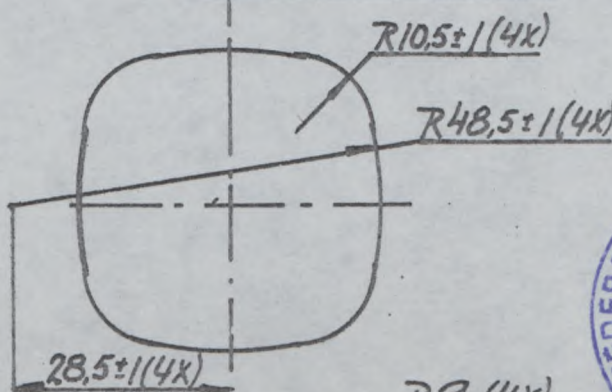
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



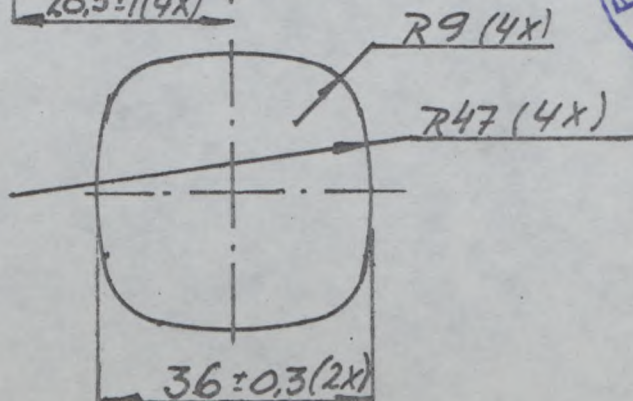
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



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



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> | 2640 | mm | 104 | inches |
| 2. <u>Front track</u> | 1420 | mm | 56 | inches * |
| 3. <u>Rear track</u> | 1350 | mm | 53 | inches * |
| 4. Overall length of the car | 4898 | cm | 193 | inches |
| 5. Overall width of the car | 1710 | cm | 67 | inches |
| 6. Overall height of the car | 1440 | cm | 56.5 | inches |
| 7. <u>Capacity of fuel tank</u> (reserve included) | 60 | | | ltrs |
| | Gallon US | 13.2 | | 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: | | | | |

1252 kg 2760 lbs 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 4 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 tempered glass
- 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, leather
- 42. Weight of front seat (s), complete with supports and rails, out of the car :

13.6 kg 29.9 lbs

- 43. Rear seats, type of seat and upholstery bench, leather
- 44. Front bumper, material (s) anodized aluminum Weight 10 kg 22 lbs
- 45. Rear bumper, material (s) anodized aluminum Weight 10 kg 22 lbs

WHEELS

- 50. Type disc wheels
- 51. Weight (per wheel, without tyre) 8.4 kg 18.5 lbs
- 52. Method of attachment 5 nuts
- 53. Rim diameter 354.8 mm 14 inches
- 54. Rim width 139.7 mm 5.5 inches

STEERING

- 60. Type
- 61. Servo-assistance : ~~yes~~ - no
- 62. Number of turns of steering wheel from lock to lock 4.3
- 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) yes
- 81. Number of shockabsorbers 2
- 82. Type telescopic

BRAKES (photographs F and G)

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

| | FRONT | | REAR | |
|-----------------------------------|----------------------|--------------|----------------------|-------------|
| 93. Number of cylinders per wheel | 4 | | 2 | |
| 94. Bore of wheel cylinder (s) | 36 mm | 1.42 in. | 38 mm | 1.5 in. |
| Drum brakes | | | | |
| 95. Inside diameter | mm | in. | mm | in. |
| 96. Length of brake linings | mm | in. | mm | in. |
| 97. Width of brake linings | mm | in. | mm | in. |
| 98. Number of shoes per brake | | | | |
| 99. Total area per brake | mm ² | sq.in. | mm ² | sq.in. |
| Disc brakes | | | | |
| 100. Outside diameter | 263 mm | 10.35 in. | 281 mm | 11.07 in. |
| 101. Thickness of disc | 14.3 mm | .563 in. | 9.6 mm | .378 in. |
| 102. Length of brake linings | 96 mm | 3.78 in. | 62 mm | 2.44 in. |
| 103. Width of brake linings | 50 mm | 1.97 in. | 42.5 mm | 1.67 in. |
| 104. Number of pads per brake | 2 | | 2 | |
| 105. Total area per brake | 8300 mm ² | 12.87 sq.in. | 5000 mm ² | 7.75 sq.in. |



ENGINE (photographs J and K)

- 130. Cycle 4
- 131. Number of cylinders 4
- 132. Cylinder arrangement in line 4
- 133. Bore 92 mm 3.62 in.
- 134. Stroke 80 mm 3.15 in.
- 135. Capacity per cylinder 532 cm³ 32.5 cu.in.
- 136. Total cylinder-capacity 2127 cm³ 129.8 cu.in.
- 137. Material (s) of cylinder block cast iron
- 138. Material (s) of sleeves (if fitted) -
- 139. Cylinder-head, material (s) aluminum Number fitted
- 140. Number of inlet ports 4
- 141. Number of exhaust ports 4
- 142. Compression ratio 9.3 ± 0.2
- 143. Volume of one combustion chamber 52.2 ± 0.2 cm³ 3.18 ± 0.1 cu.in.
- 144. Piston, material aluminum
- 145. Number of rings 3
- 146. Distance from gudgeon pin centre line to highest point of piston crown
46 ± 0.1 mm 1.81 ± 0.004 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 3.85 ltrs 6.78 pts 4.07 quarts US
- 153. Oil cooler: ~~yes~~ / no
- 154. Method of engine cooling water cooling
- 155. Capacity of cooling system 9.7 ltrs 16.7 pints 10.0 quarts US
- 156. Cooling fan (if fitted), dia. 36 cm 14.2 inches
- 157. Number of blades of cooling fan 5

Bearings

- 158. Crankshaft main, type Dia. 64 mm 2.52 in.
- 159. Connecting rod big end, type Dia. 54 mm 2.13 in.

Weights

- 160. Flywheel (clean) 8.9 ± 0.1 kg 19.6 ± 0.2 lbs
- 161. Flywheel with clutch (all turning parts) 15.2 kg 33.3 ± 0.4 lbs
- 162. Crankshaft 16.8 ± 0.2 kg 37.0 ± 0.4 lbs
- 163. Connecting rod 0.84 ± 0.04 kg 1.85 ± 0.09 lbs
- 164. Piston with rings and pin kg lbs
0.77 ± 0.01 1.54 ± 0.02

Reboring dimensions

92.3 2141 cc
92.5 2151 cc



FOUR STROKE ENGINES

- 170. Number of camshafts 1
- 171. Location in cylinder head
- 172. Type of camshaft drive toothed belt
- 173. Type of valve operation direct OHC

INLET (see page 4)*

- 180. Material (s) of inlet manifold aluminum
- 181. Diameter of valves 44 mm 1.73 inches
- 182. Max. valve lift 11.2 mm 0.441 in.
- 183. Number of valve springs 1
- 184. Type of spring helical valve spring
- 185. Number of valves per cylinder 1
- 186. Tappet clearance for checking timing (cold) 0.50 mm 0.020 inches
- 187. Valves open at (with tolerance for tappet clearance indicated) 25 BTDC
- 188. Valves close at (with tolerance for tappet clearance indicated) 67 ABDC
- 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 11.2 mm 0.441 in.
- 198. Number of valve springs 1
- 199. Type of spring helical valve spring
- 200. Number of valves per cylinder 1
- 201. Tappet clearance for checking timing (cold) 0.5 mm 0.02 inches
- 202. Valves open at (with tolerance for tappet clearance indicated) 67 BBDC
- 203. Valves close at (with tolerance for tappet clearance indicated) 25 ATDC

CARBURETION (photograph N)

- 210. Number of carburettors fitted -
- 211. Type -
- 212. Make -
- 213. Model -
- 214. Number of mixture passages per carburettor -
- 215. Flange hole diameter of exit port (s) of carburettor 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 4
- 224. Location of injectors in cylinder head
- 225. Minimum diameter of inlet pipe 41 mm 1.61 inches

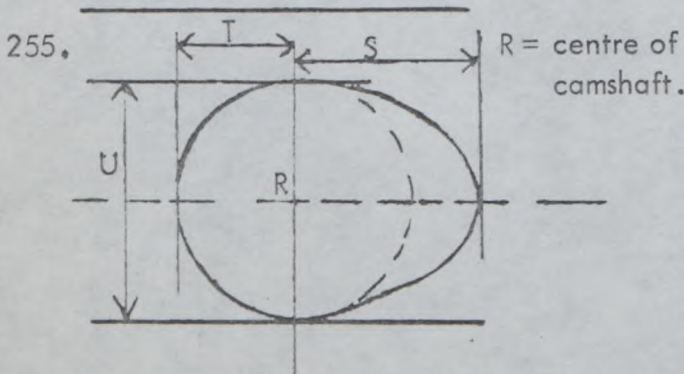


ENGINE ACCESSORIES

- 230. Fuel pump : ~~mechanical and/or electric~~
- 231. No fitted 1
- 232. Type of ignition system breakerless inductive
- 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 fitted 1
- 237. Method of drive belt
- 238. Voltage of generator 14.2 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 123 (type of horsepower: DIN) at 5500 rpm
- 251. Maximum rpm 6500 output at that figure
- 252. Maximum torque 17.3 at 3500 rpm
- 253. Maximum speed of the car km/hour miles/hour



| | | | |
|--------------------|----|-------|--------|
| <u>Inlet cam</u> | | | |
| $S = 29.2$ | mm | 1.150 | inches |
| $T = 18.0$ | mm | 0.709 | inches |
| $U = 36.16$ | mm | 1.424 | inches |
| <u>Exhaust cam</u> | | | |
| $S = 29.2$ | mm | 1.150 | inches |
| $T = 18.0$ | mm | 0.709 | inches |
| $U = 36.16$ | mm | 1.424 | inches |



DRIVE TRAIN
CLUTCH

- 260. Type of clutch dry
- 261. No of plates 1
- 262. Dia. of clutch plates 21.5 cm 8.5 inches
- 263. Dia. of linings, inside 14.4 cm 5.7 in. outside 21.5 cm 8.5 in.
- 264. Method of operating clutch cable

GEAR BOX (photograph H)

- 270. Manual type, make M 40 Volvo Method of operation manual
- 271. No of gear-box ratios forward 4
- 272. Synchronized forward ratios 4
- 273. Location of gear-shift 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 | 3.41 | $\frac{27}{19} \times \frac{36}{15}$ | 2.39 | $\frac{67}{28}$ | | | | |
| 2 | 1.99 | $\frac{27}{19} \times \frac{28}{20}$ | 1.45 | $\frac{1+32/28}{1+32/67}$ | | | | |
| 3 | 1.36 | $\frac{27}{19} \times \frac{23}{24}$ | 1.00 | | | | | |
| 4 | 1.00 | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| reverse | 3.25 | $\frac{27}{19} \times \frac{19}{14} \times \frac{32}{19}$ | 2.09 | $\frac{67}{32}$ | | | | |

- 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 rigid axle
- 292. Type of limited slip differential (if fitted)
- 293. Final drive ratio 3.91 4.10
- Number of teeth 43:11 41:10

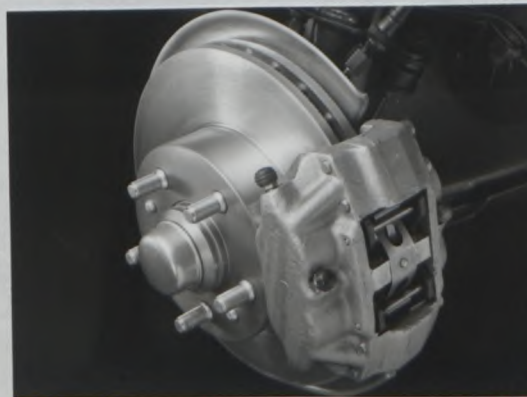


Volume of one combustion space in the cylinder head: $64.1 \pm 0.2 \text{ cm}^3$ $3.91 \pm 0.1 \text{ cu.in.}$

Thickness of head gasket when compressed: 1.2 mm.

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

- 61. Servo-assistance: yes
- 63. In case of servo-assistance: 3.5
- Front
- 101. Thickness of disc 24 mm .945 in.
- 102. Length of brake linings 79.7 " 3.14 "
- 103. Width of brake linings 50 " 1.97 "
- 105. Total area per brake 7250 " 11.25 sq.in.
- 292. Type of limited slip differential DANA Powr-Lok
- 278. Overdrive, type J. Laycock
- 279. Forward gears on which overdrive can be selected 4th
- 280. Overdrive ratio 0.798
- 293. Final drive ratio 4.88:1
- Number of teeth 39:8
- 274. Automatic gear box Borg Warner BW 35



Form of Recognition (Normal development of original vehicle type)

Identifieringskort (Normal utveckling av vagnstypen)

No. 5627
Nr

Make VOLVO
Märke

Type 244 GL
Typ

5627 1/1V

Photographic documentation
Fotografier

CONCERNS GROUP II

(1.4.77)



Reinforcement on front suspension
for Overseas Markets
(in production)

Stay, strut to firewall
part No. 1255118

support part No. 1255119
" " 1255120

Stay, front axel crossmember
to side-member part No.1229483



Support arm, rear axle
part No. 552149-7



Wishbone left part No. 552023-4
" right " " 552024-2

"valable en Groupe 2 uniquement"
"valid for Group 2 only"

[Handwritten signature]



Stockholm den

14/2 1977

KUNGL AUTOMOBIL KLUBBEN

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

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Form of Recognition (Normal development of original vehicle type)

Identifieringskort (Normal utveckling av vagnstypen)

No.
Nr 5627

Make
Märke VOLVO

Type
Typ 244 GL

(/IV)

Photographic documentation
Fotografier

CONCERNS GROUP 2



Fuel tank support in boot
part No. 552143-0

valable en Groupe 2 uniquement
valid for Group 2 only

Stockholm den 11/2 1972
KUNGL AUTOMOBIL KLUBBEN

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION





KUNGL. AUTOMOBIL KLUBBEN
THE ROYAL SWEDISH AUTOMOBILE CLUB

Form of Recognition (normal development of original vehicle type)

Identifieringskort (normal utveckling av vagnstypen)

valid from 1.4.77 upon documentation delivered by the manufacturer.
gällande fr. o. m. på grundval av från tillverkaren lämnade uppgifter.

Make VOLVO
Märke

Previously recognized type, to which this extension refers 244 GL
Tidigare klassad typ, till vilken denna utökning hänföres

Date when the first vehicles in this stage of development were manufactured 10.8.74
Tillverkningsdatum för de första fordonen av denna vidareutveckling

Serial No. of the type inaugurating this extension
Nummerserie för denna utvecklade typ

The 244 GL recognized in Category GROUP I
Modellen klassad i kategori

by the F.I.A. on the 1.3.76 List as a normal
av FIA den Lista som normal

development of the original vehicle type.
utveckling av vagnstypen

SVENSKA BILSPORTFÖRBUNDET

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

CONCERNS GROUP II

ALTERNATIVE FINAL GEAR RATIOS

| | | | | | | |
|------|-----------------|--------|--------|--------|--------|--------|
| 103) | Number of teeth | 41:10 | 43:10 | 41:9 | 39:8 | 43:8 |
| 104) | Ratio | 4.10:1 | 4.30:1 | 4.56:1 | 4.88:1 | 5.38:1 |

41) Servo assisted steering.

"valable en Groupe 2 uniquement"
"valid for Group 2 only"



03 / 03 V

Form of Recognition (Variation)

Identifiseringskort (Variant)

No. 5627

Make VOLVO

Type 244 GL

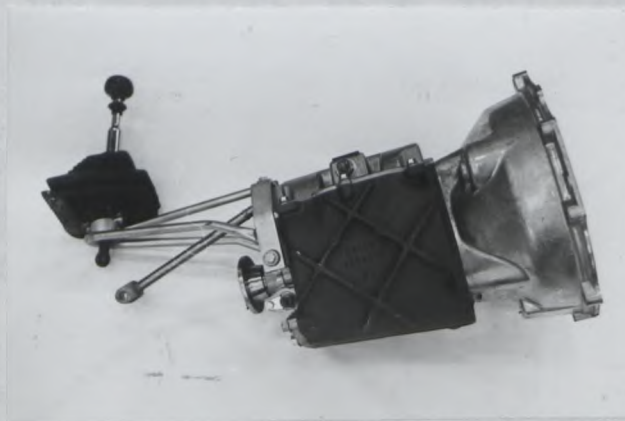
Nr

Märke

Typ

Photographic documentation
Fotografier

Photo H



Stockholm den _____ 19 _____

KUNGL AUTOMOBIL KLUBBEN
SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION