

# CAMS

5TH CATEGORY - HISTORIC RACING

GROUP NC

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current CAMS Manual of Motor Sport.

Make of Car: Volvo Model: 140 Series (142S/144S)

Period of Original Manufacture: 1967 - 71

CAMS Historic Group: Nc

Date of Issue of this Document: 1 July 1999



## SECTION 1 - CHASSIS

### 1.1 CHASSIS FRAME

**Description:** Unitary Construction **Period of Manufacture:** 1967 - 1971

**Manufacturer:** A.B. Volvo

**Chassis no. from:** (Prefix) 1423342..../1443342....

**Chassis no. location:** Firewall

**Material:** Mild steel

**Comments:**

### 1.2 FRONT SUSPENSION

**Description:** Independent - Wishbones

**Spring medium:** Coil

**Damper Type:** Telescopic **Adjustable:** Optional

**Anti-sway bar:** Fitted **Adjustable:** No

**Suspension adjustable:** No **Method:** N/A

**Comments:**

### 1.3 REAR SUSPENSION

**Description:** Live Axle; Coil Springs & Trailing Arms

**Spring medium:** Coil

**Damper type:** Telescopic **Adjustable:** Optional

**Anti-sway bar:** Not fitted **Adjustable:** N/A

**Suspension adjustable:** No **Method:** N/A

**Comments:**

### 1.4 STEERING

**Type:** Worm & Peg **Make:** Volvo

**Comments:**

### 1.5 BRAKES

<b>Type:</b>	Front	Rear
<b>Dimensions:</b>	Disc	Disc
<b>Material of drum/disc:</b>	272 x 12.8	295 x 9.6
<b>No. cylinders/pots per wheel:</b>	Cast Iron	Cast Iron
<b>Actuation:</b>	4	2
<b>Caliper: Make, Material, Type:</b>	Hyd	Hydraulic
<b>Master cylinder make:</b>	Volvo	Type: Tandem
<b>Adjustable bias</b>		
<b>Servo Fitted</b>	Yes	
<b>Comments:</b>		

## SECTION 2 - ENGINE

### 2.1 ENGINE

**Make:** Volvo  
**Model:** B18 & B20  
**No. cylinders:** 4 **Configuration:** In line  
**Cylinder Block-material:** Cast iron **Four Stroke**  
**Bore - Original:** )84.14m )88.9m **Max. allow.:** )85.64m )90.40m  
**Stroke - original:** B18 )80.0m B20)80.0m **Max. allow.:** B18 )80.0m B20 )80.0m  
**Capacity - original:** )1780cc )1986cc **Max. allow.:** )1842cc )2052 cc  
**Cooling method:** Water  
**Identifying marks:** B18 or B20  
**Comments:** B20 engine introduced 1969.

### 2.2 CYLINDER HEAD

**Make:** Volvo  
**No. of valves/cylinder-** Inlet: 1 Exhaust: 1  
**No. of ports total:** 8 Inlet: 4 Exhaust: 4  
**No. of camshafts:** 1 Location: Block Drive: Gear  
**Valve actuation:** Push Rod  
**Spark plugs/cylinder:** 1  
**Identifying marks:**  
**Comments:**

### 2.3 LUBRICATION

**Method:** Wet Sump **Oil tank location:** N/A  
**Dry sump pump type:** N/A **Location:** N/A  
**Oil cooler standard:** No **Location:** N/A  
**Comments:**

### 2.4 IGNITION

**Type:** Coil & Distributor  
**Make:** Volvo  
**Comments:**

### 2.5 FUEL FEED

**Carburettor: Make:** SU **Model:**HS6 **No:** 2 **Size:** 1 3/4"  
**Fuel injection Make:** N/A **Type:**  
**Supercharged:** N/A **Type:**  
**Make:**  
**Comments:** Optional Zenith Stromberg 175CD - 2SE (x 2)

## SECTION 3 - TRANSMISSION

### 3.1 CLUTCH

**Make:** Volvo      **Type:** Dry Plate      **Diameter:** 216 mm  
**No. of Plates:** 1  
**Actuation:** Cable  
**Comments:**

### 3.2 TRANSMISSION

**Type:** Volvo  
**Make:** Volvo      **Model:** M40  
**No. forward speeds:** 4      5 Optional \*      **Gearbox location:** Behind engine  
**Gear change type and location:** Floor lever  
**Case material:** Alloy/Cast Iron      **Identifying marks:**  
**Comments:** \* Laycock D-Normanville Overdrive Optional giving 5<sup>th</sup> Ratio.

### 3.3 FINAL DRIVE

**Make:** Volvo      **Model:**  
**Wheel drive method:** Rear  
**Ratios:** Various  
**Differential:** Limited slip "power lock" Type: Hypoid optional  
**Comments:**

### 3.4 TRANSMISSION SHAFTS (EXPOSED)

**Number:** 1      **Location:** Gearbox to final drive  
**Description:** Tubular two piece tailshaft with Hardy Spicer joints.  
**Comments:**

### 3.5 WHEELS & TYRES

<b>Wheel type:</b> Original:	Steel disc	<b>Material:</b> Original:	Steel
Allowed:	Period alloy	Allowed:	Alloy
<b>Fixture method:</b>	Bolt on	<b>No. studs:</b>	5
	<b>FRONT</b>		<b>REAR</b>
<b>Wheel dia. &amp; rim width</b>			
Original:	4.5 x 15		4.5 x 15
Allowed:	7 x 15		7 x 15
<b>Tyre section:</b>			
Original:	165 x 15		165 x 15
Allowed:	215		215
<b>Aspect ratio - minimum:</b>	60%		60%
<b>Comments:</b>			

## SECTION 4 - GENERAL

### 4.1 FUEL SYSTEM

Tank Location: Rear Capacity: 58 litres  
Fuel pump, type and location: Mechanical Make:  
Comments:

### 4.2 ELECTRICAL SYSTEM

Voltage: 12 Alternator fitted:  
Battery Location: Engine compartment  
Comments:

### 4.3 BODYWORK

Type: Two door coupe Material: Steel  
No. of seats: 4 No. doors: 2  
Comments:

### 4.4 DIMENSIONS

Track - Front: 1350 Rear: 1350  
Wheelbase: 2600 Overall length: 4640  
Dry weight: 1120 kg (142) 1180 kg (144)  
Comments:

### 4.5 SAFETY EQUIPMENT

Fire extinguisher required  
Seat belt required  
Rollbar required  
Electrical cut off switch required  
Safety fuel tank optional

F.I.A. Recognition No 5314  
 Group 1

FEDERATION INTERNATIONALE DE L' AUTOMOBILE

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

Manufacturer AB VOLVO Cylinder-capacity 1986 cm<sup>3</sup> 121,2 in<sup>3</sup>  
 Model 142 G  
 Serial No of chassis 52900 Manufacturer AB VOLVO  
 engine 1 Manufacturer AB VOLVO  
 Recognition is valid from 1/1/72 List 70/1

The manufacturing of the model described in this recognition form was started on 15.8.1968  
 and the minimum production of 5,000 identical cars, in accordance with the specifications of this form was reached on 15.11.1968

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 Sporting Authority

Stamp and signature of the F.I.A.

*[Handwritten signature]*  
 F.I.A. STAMP

Make VOLVO

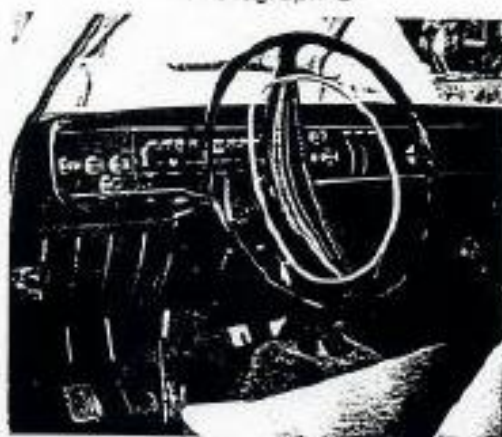
Model 142 S

F.I.A. Rec.No

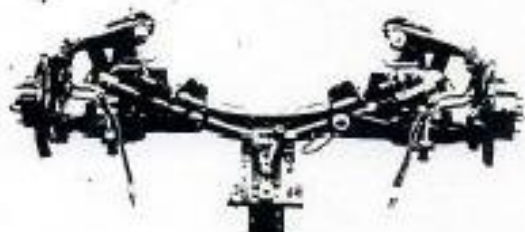
Photograph B



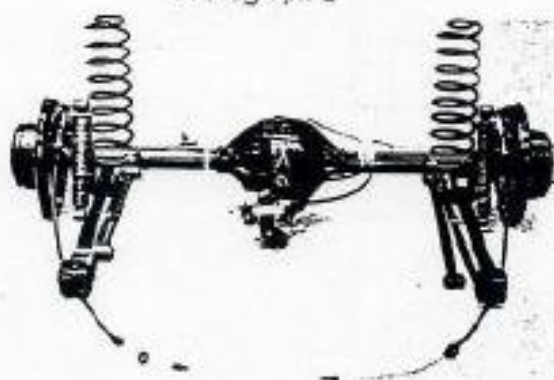
Photograph C



Photograph D



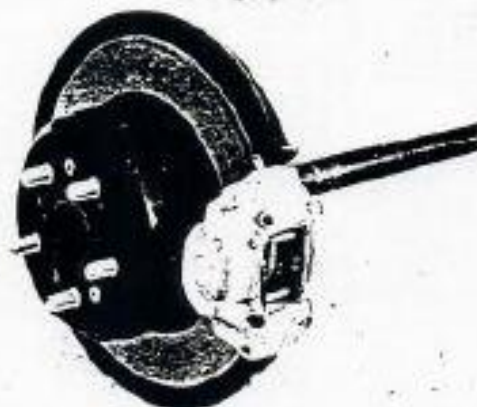
Photograph E



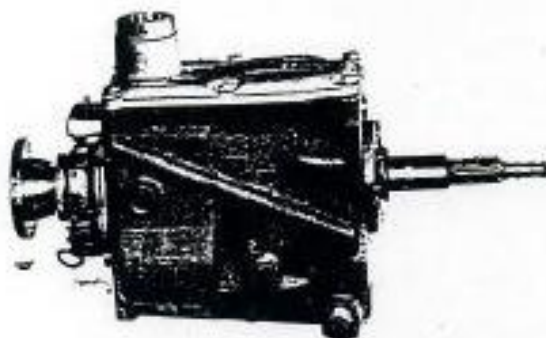
Photograph F



Photograph G



Photograph H



Photograph I



Make VOLVO

Model 142 B

F.I.A. Rec.No

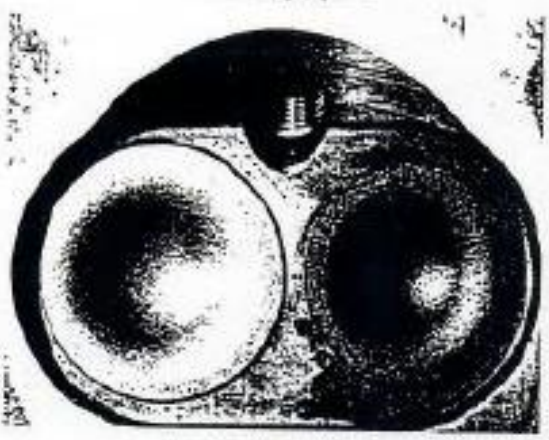
Photograph J



Photograph K



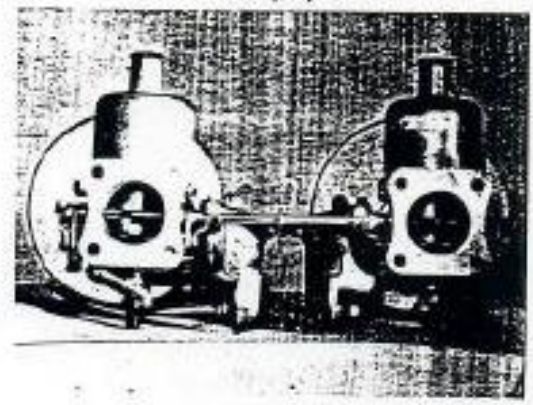
Photograph L



Photograph M



Photograph N



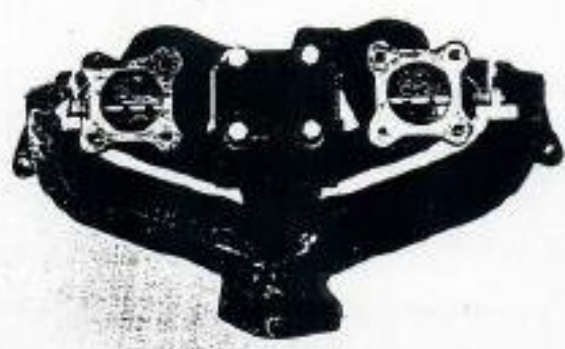
Photograph O



Photograph P

Photograph Q

inlet manifold





Make

VOLVO

Model

142 S

F.I.A. Rec.No

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



$$\phi 36 \begin{matrix} + 0,25 \\ - 0 \end{matrix}$$

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



$$\phi 36 \begin{matrix} + 0,25 \\ - 0 \end{matrix}$$

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

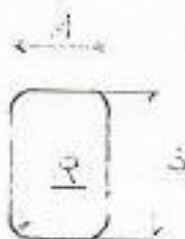


$$A = 27 \pm 0,7$$

$$B = 40 \pm 0,7$$

$$R = 5 \pm 1$$

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



$$A = 25 \pm 0,7$$

$$B = 40 \pm 0,7$$

$$R = 4 \pm 1$$



Make VOLVO Model 142 S F.I.A. Rec.No

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>   | 1350 | mm        | 53 1/8  | inches *       |
| 3. <u>Rear track</u>  | 1350 | mm        | 53 1/8  | inches *       |
| 4. Overall length of the car  |      | 464       | cm      | inches         |
| 5. Overall width of the car   |      | 174       | cm      | inches         |
| 6. Overall height of the car  |      | 146       | cm      | inches         |
| 7. <u>Capacity of fuel tank</u> (reserve included)  |      |           |         | 58 ltrs        |
|   | 15   | Gallon US |         | 13 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: |      |           |         |                |
|   | 1120 | kg        | 2464    | lbs            |
|   |      |           |         | 22,40 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	- 0.94635 ltrs
1 foot/pied	- 30.4794 cm	1 pint (pt)	- 0.568 ltrs
1 square inch/pouce carré	- 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 VOLVO

Model 142 S

F.I.A. Rec.No

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, COMBINATION OF CLOTH AND VINYL  
42. Weight of front seat (s), complete with supports and rails, out of the car : VINYL  
18 kg lbs  
43. Rear seats, type of seat and upholstery BENCH, CLOTH AND VINYL  
44. Front bumper, material (s) ANODIZED ALUMINIUM Weight 8 kg lbs  
45. Rear bumper, material (s) ANODIZED ALUMINIUM Weight 7 kg lbs

WHEELS

50. Type DISC WHEELS  
51. Weight (per wheel, without tyre) 7,9 kg lbs  
52. Method of attachment WITH 5 NUTS  
53. Rim diameter 381 mm 15 inches  
54. Rim width 114 mm 4 1/2 inches

STEERING

60. Type CAM AND ROLLER  
61. Servo-assistance : yes - no  
62. Number of turns of steering wheel from lock to lock 4,1  
63. In case of servo-assistance



Make VOLVO

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SUSPENSION

- 70. Front suspension (photogr. D), type INDIVIDUAL
- 71. Type of spring COIL
- 72. Stabiliser (fitted) YES
- 73. Number of shockabsorbers TWO
- 74. Type TELESCOPIC
- 78. Rear suspension (photogr. E), type RIGID AXLE
- 79. Type of spring COIL
- 80. Stabiliser (if fitted)
- 81. Number of shockabsorbers TWO
- 82. Type TELESCOPIC

BRAKES (photographs F and G)

- 90. Method of operation HYDRAULIC, DUAL-CIRCUIT BRAKE SYSTEM
- 91. Servo-assistance (if fitted), type VACUUMSERVO
- 92. Number of hydraulic master cylinders TANDEN MASTER CYLINDER

	FRONT		REAR	
93. Number of cylinders per wheel	4		2	
94. Bore of wheel cylinder (s)	4x36 mm	in.	2x36 mm	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 <sup>2</sup>	sq.in.	mm <sup>2</sup>	sq.in.
Disc brakes				
100. Outside diameter	272 mm	in.	295 mm	in.
101. Thickness of disc	12,8 mm	in.	36 mm	in.
102. Length of brake linings	75 mm	in.	57 mm	in.
103. Width of brake linings	50 mm	in.	42,5 mm	in.
104. Number of pads per brake	2		2	
105. Total area per brake	7300 mm <sup>2</sup>	sq.in.	4650 mm <sup>2</sup>	sq.in.

## ENGINE (photographs J and K)

130. Cycle 4-STROKE  
 131. Number of cylinders 4  
 132. Cylinder arrangement  $\frac{1}{2}$  IN LINE  
 133. Bore  $88,9 \pm 0,01$  mm 3,5 in.  
 134. Stroke  $80,0 \pm 0,01$  mm 3,15 in.  
 135. Capacity per cylinder 496,6 cm<sup>3</sup> 30,3 cu.in.  
 136. Total cylinder-capacity 1986 cm<sup>3</sup> 121,2 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 ONE  
 140. Number of inlet ports 4  
 141. Number of exhaust ports 4  
 142. Compression ratio 9,2:1  
 143. Volume of one combustion chamber 52,0 cm<sup>3</sup> 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  
 $46 \pm 0,1$  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. 36 cm 14 inches  
 157. Number of blades of cooling fan 5

## Bearings

158. Crankshaft main, type Dia. 63,45 mm COPPER-LEAD-INDIUM  
 159. Connecting rod big end, type Dia. 54,1 mm COPPER-LEAD-INDIUM

## Weights

160. Flywheel (clean) 9,7 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 0,710 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 42 mm 1,65 inches  
 182. Max. valve lift 110,2 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

## 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 carburetors 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 45 mm 1 3/4 in.  
 216. Minimum diameter of venturi / minimum diam. with piston at maximum height

mm inches

## INJECTION (if fitted)

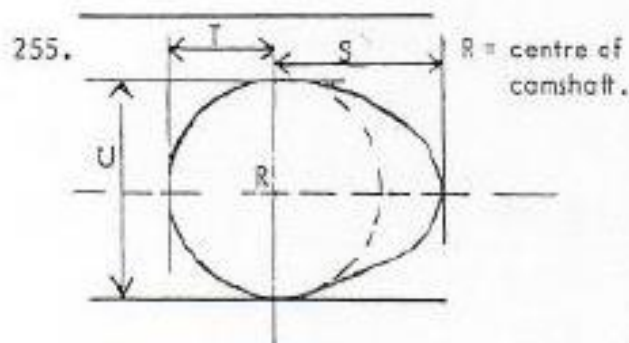
220. Make of pump  
 221. Number of plungers  
 222. Model or type of pump  
 223. Total number of injectors  
 224. Location of injectors  
 225. Minimum diameter of inlet pipe mm inches

ENGINE ACCESSORIES

- 230. Fuel pump : mechanical ~~and/or electric~~
- 231. No fitted 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 fitted 1
- 237. Method of drive BELT DRIVEN
- 238. Voltage of generator 12 volts
- 239. Battery, number 1
- 240. Location ENGINE COMPARTMENT, LEFT FRONT
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output 118 (type of horsepower SAE ) at 5,800 rpm
- 251. Maximum rpm 5,800 output at that figure 118 SAE
- 252. Maximum torque 17,0 KGm SAE at 3,500 rpm
- 253. Maximum speed of the car km/hour miles/hour



<u>Inlet cam</u>			
S = 21,3	mm	0,840	inches
T = 14,6	mm	0,575	inches
U = 29,418	mm	1,158	inches
<u>Exhaust cam</u>			
S = 21,3	mm	0,839	inches
T = 14,6	mm	0,575	inches
U = 29,418	mm	1,158	inches

Make VOLVO

Model 142 S

F.I.A. Rec.No

DRIVE TRAIN  
CLUTCH

260. Type of clutch IRY 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 MECHANICAL

GEAR BOX (photograph H)

270. Manual type, make VOLVO H 40 Method of operation  
271. No of gear-box ratios forward 4  
272. Synchronized forward ratios 4  
273. Location of gear-shift CENTRE FLOOR LEVEL  
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	3,13:1	33:15			2,62:1	33:15		
2	1,99:1	20:20			1,67:1	28:20		
3	1,36:1	22:23			1,24:1	23:22		
4	1:1				1:1			
5								
6								
reverse	3,25:1	32:19			3,25:1	32:19		

278. Overdrive, type  
279. Forward gears on which overdrive can be selected  
280. Overdrive ratio

FINAL DRIVE

290. Type of final drive HYPGLD  
291. Type of differential RIGID AXLE  
292. Type of limited slip differential (if fitted)  
293. Final drive ratio 4,56:1 4,88:1  
Number of teeth 41:9 39:8





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.

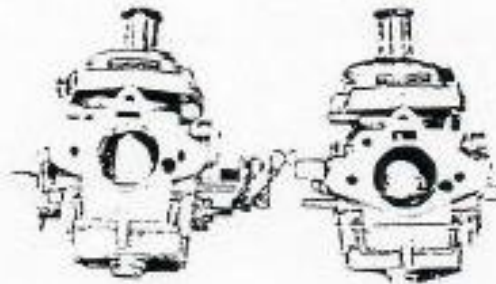
Optional equipment affecting preceding information. This to be stated together with reference number.

CONCERNS GROUP I ONLY

CARBURETTOR

ZENITH - STROMBERG

175 CD - 2 38



Front 237437

Rear 237438

ELECTRICALLY OPERATED OVERDRIVE LAYCOCK TYPE "J"

254561

LIMITED SLIP DIFFERENTIAL SPICER/DANA "POWER-LOK"

384727

FINAL DRIVE RATIO 4,10:1

273126

NUMBER OF TEETH 41:10





F. I. A. Recognition No.  
F. I. A. Identification No.

5314  
2/1E

**KUNGL. AUTOMOBIL KLUBBEN**  
**THE ROYAL SWEDISH AUTOMOBILE CLUB**

*Form of Recognition (normal development of original vehicle type)*  
*Identifieringskort (normal utveckling av vagnstypen)*

valid from  
gällande fr. o. n.

1/1/71 - List 71/1

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 denna utökning hänföres

VOLVO 142 S

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

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

178960

The

Modellen: 142 de LUXE

recognized in Category  
klassad i kategori

GROUP I

by the F. I. A. on the  
av F. I. A. den 1st of January, 1970

lit.  
liva

70/1

at a normal  
som normal

development of the original vehicle type.  
utveckling av vagnstypen.

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

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

CONCERNS GROUP I ONLY



New type of grille

New type of rims (4.5" x 15")

New type of front fender emblems

Bonnet without Volvo emblem

*Form of Recognition (Normal development of original vehicle type)*

*Identifieringsform (Normal utveckling av vagnstypen)*

No.  
Nr

Make  
Märke

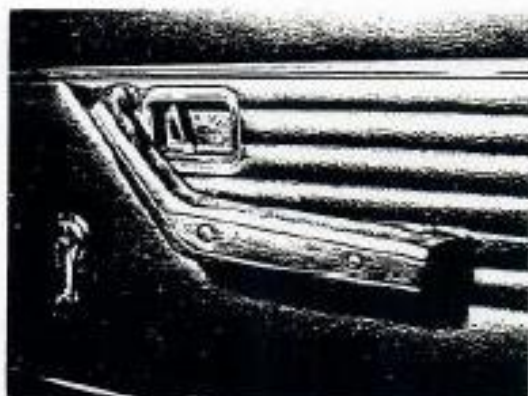
VOLVO

Type  
Typ

142 de LUXE

Photographic documentation  
Fotografier

CONCERNS GROUP I ONLY



New type of interior armrests

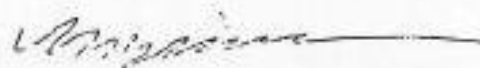


Left rear end with  
"DE LUXE" - emblem

Stockholm den

27/11 1976

KUNGL AUTOMOBIL KLUBBEN





F. I. A. Recognition No. 5314/4/3  
 F. I. A. Identifieringskort Nr

**KUNGL. AUTOMOBIL KLUBBEN**  
 THE ROYAL SWEDISH AUTOMOBILE CLUB

*Form of Recognition (Variation)*  
*Identifieringskort (Variant)*

valid from gällande fr. o. m.	1/4/70 - (79/4) -			upon documentation delivered by the manufacturer, på grundval av från tillverkarens lämnade uppgifter.
Make Märke	VOLVO			
Previously recognized type, to which this extension refers Tidigare klassad typ, till vilken detta tillägg hänföres	VOLVO 142 S			
Date when the first vehicles in this stage of development were manufactured Tillverkningsdatum för de första fordonen av denna utveckling	15th January, 1969			
Serial No. of the type issuing this extension Nummerserie för denna sträckade typ	89 800			
Model name of this variation Modellbeteckning för denna variant	VOLVO 144 S			
The Modellen	Volvo 142 S	recognized in Category klassad i kategorin	Group I	
by the F.I.A. on the av F.I.A. den	1st January, 1970	List Lista	70/1	as a normal som normal
development of the original vehicle type. utveckling av fordonstypen				

Stamp and signature of the F.I.A.  
 FIAs signatur och stämpel

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

Divergences from earlier homologated model (F. I. A. Form No. 5314):  
 Avvikelser från tidigare klassad modell (F. I. A. formulär nr. 5314):

- 4-door version  
4-dörrars version
- Weight, total of car with normal equipment, water,  
oil and spare wheel but without fuel and repair tools:  
Vikt, vagnens totalvikt med normal utrustning, vatten,  
olja och reservhjul men utan bränsle och verktyg:  
1160 kg 2557 lbs 22.8 CWT

SVENSKA BILSPORTFÖRBUNDET  
 THE SWEDISH AUTOMOBILE-SPORT FEDERATION

*[Signature]*

*[Signature]*



F. I. A. Recognition No.  
F. I. A. Identifieringskort Nr. 5314

5314 [redacted]  
8/4E

KUNGL. AUTOMOBIL KLUBBEN  
THE ROYAL SWEDISH AUTOMOBILE CLUB

Form of Recognition (normal development of original vehicle type)  
Identifieringskort (normal utveckling av vagnstypen)

valid from  
gällande fr. o. m. 1/1/72 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 denna utökning hänföres 142 S

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

Serial No. of the type incorporating this extension  
Nummerserie för denna utvecklade typ 178960

The  
Modellen VOLVO 142 de Luxe recognized in Category  
klassad i kategori Group I

by the F. I. A. on the  
av F. I. A. den 1st of January 1970 till  
Lista 70/1 as a normal  
som normal

development of the original vehicle type,  
utveckling av vagnstypen

[Signature]  
Stamp and signature of the F. I. A.  
F. I. A:s signatur och stämpel

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

CONCERNS GROUP I



- New steering wheel
- New gear lever of remote control type
- Soft control knobs
- New centre consol with controls for electrically heated rear window, hazard warning lights and clock
- Door pockets
- New upholstery



F. I. A. Recognition No. *5314*  
 F. I. A. Identifying No. *1. 7*

**KUNGL. AUTOMOBIL KLUBBEN**  
 THE ROYAL SWEDISH AUTOMOBILE CLUB

*Form of Recognition (normal development of original vehicle type)*  
*Identifiseringskort (normal utveckling av vagnstypen)*

valid from  
gällande fr. o. m. 1st of January 1972 upon documentation delivered by the manufacturer.  
på grundval av från tillverkaren lämnade uppgifter.

Make VOLVO

Previously recognized type, to which this extension refers  
Tidigare klassad typ, till vilken denna utökning hänföres VOLVO 142 S

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

Serial No. of the type inaugurating this extension  
Nummernummer för denna utvecklade typ 178960

The VOLVO 142 recognized in Category Group I  
Modellen klassad i kategori

by the F.I.A. on the 1st of January 1970 List 70/1 as a normal  
av F.I.A. den utveckling av vagnstypen

Stamp and signature of the F.I.A.  
FIAs signatur och stämpel

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

CONCERNS GROUP I



- New steering wheel
- New gear lever of remote control type
- Soft control knobs
- New centre console with controls for electrically heated rear window and hazard warning lights.

KUNGL AUTOMOBIL KLUBBEN

*Form of Recognition (Normal development of original vehicle type)*

*Identifieringskort (Normal utveckling av vagnstypen)*

No. 5314 / 8 / 2E  
Nr

Make VOLVO  
Märke

Type 142 c  
Typ

Photographic documentation  
fotografier

CONCERNS GROUP I



Front seats with head restr



Electrically heated rear win

*Form of Recognition (Normal development of original (chick type))*

*Identiferingkort (Normal utveckling av vagnstypen)*

No.  
Nr

531h G/ZE

Make  
Märke

VOLVO

Type  
Typ

142

Photographic documentation  
Fotografier

CONCERNS GROUP I



Front seats with head restraints



Electrically heated rear window

Stockholm den \_\_\_\_\_ 19\_\_\_\_\_

KUNGL AUTOMOBIL KLUBBEN



Form of Recognition (Normal development of original vehicle type)

Identifikationskort (Normal utveckling av forstypen)

No. 5314/8/2E  
NrMärke  
Märke

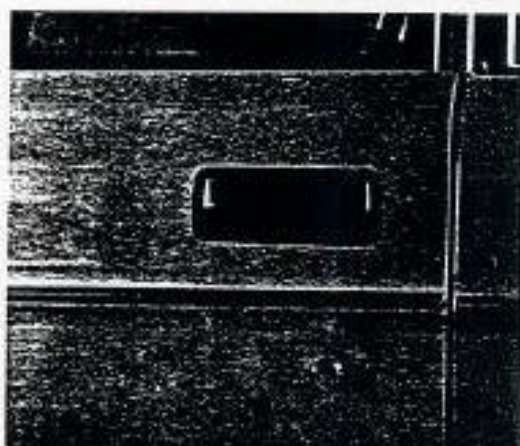
VOLVO

Typ  
Typ

142 de Luxe

Photographic documentation  
FotografierCONCERNS GROUP I

New body cross-members



New outer door handles

Weight modifications:

Total weight of the car with normal equipment, water oil and spare wheel but without fuel and repair tools:			
	1105 kg	2430 Lbs	21,7 cwt

Stockholm den \_\_\_\_\_ 19 \_\_\_\_\_

KUNGL AUTOMOBIL KLUBBEN

*Form of Recognition (Normal development of original vehicle type)*

*Identifieringskort (Normal utveckling av vagnstypen)*

No.  
Nr

531h 6/7E

Make  
Märke

VOLVO

Type  
Typ

142

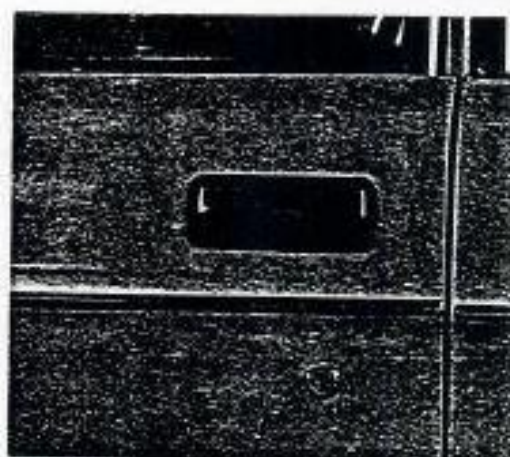
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Photographic documentation  
Fotografier

CONCERNS GROUP I



New body cross-members



New outer door handles

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

1085 kg

2390 Lbs

21,4 cwt

Stockholm den \_\_\_\_\_ 19\_\_\_\_

KUNGL AUTOMOBIL KLUBBEN

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*Form of Recognition (Normal development of original vehicle type)*

*Identiferingsskott (Normal utveckling av forstypen)*

No. 5314 6/2E Make VOLVO Type 142 S  
Nr \_\_\_\_\_ Märke \_\_\_\_\_ Typ \_\_\_\_\_

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Photographic documentation  
Fotografier

CONCERNS GROUP I



Exhaust manifold

Part No. 419318



Transmission casing

Part No. 418693

Stockholm den \_\_\_\_\_ 19\_\_\_\_

KUNGL AUTOMOBIL KLUBBEN

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*Form of Recognition (Normal development of original vehicle type)*

*Identifikationskort (Normal utveckling av forstypen)*

No. 5314 6/28  
Nr

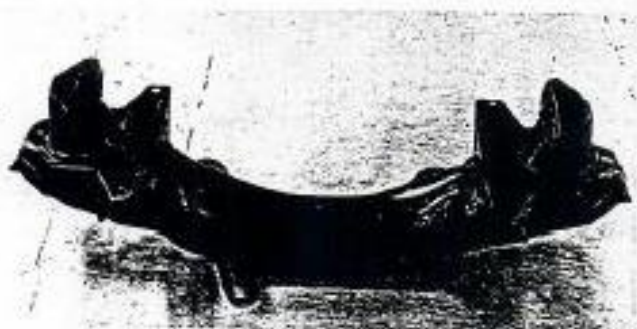
Make VOLVO  
Märke

Type 142 S  
Typ

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Photographic documentation  
Fotografier

CONCERNS GROUP 1



Front axle cross member

Part No. 552130



Lower wishbone - Left

Part No. 552131

Same as above - Right

Part No. 552132

Stockholm den \_\_\_\_\_ 19\_\_\_\_

KUNGL AUTOMOBIL KLUBBEN

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*Form of Recognition (Normal development of original vehicle type)*

*Identifieringskort (Normal utveckling av vagnstypen)*

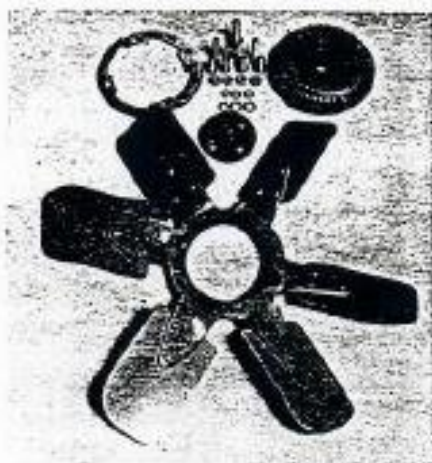
No. 5516 Make VOLVO Type 142 S 10/6E  
Nr \_\_\_\_\_ Wärke \_\_\_\_\_ Typ \_\_\_\_\_

Photographic documentation  
Fotografier

CONCERNS GROUP 1

Modified camshaft (D)

Part No. 419258



Fan with friction clutch,  
consisting of:

Fan	(1)	Part No. 687133
Friction clutch	(1)	Part No. 687132
Clutch flange	(1)	Part No. 688036
Washer	(1)	Part No. 419676
Screw	(4)	Part No. 956568
Screw	(4)	Part No. 956567
Screw	(1)	Part No. 956585
Washer	(4)	Part No. 941907
Washer	(4)	Part No. 941906

Stockholm den \_\_\_\_\_ 19\_\_\_\_

KUNGL AUTOMOBIL KLUBBEN

*Form of Recognition (Normal development of original vehicle type)*

*Identifieringsårt (Normal utveckling av vagnstypen)*

No. 5014 Make VOLVO Type 142 S 11/76  
Nr. Märke Typ

Photographic documentation  
Fotografier

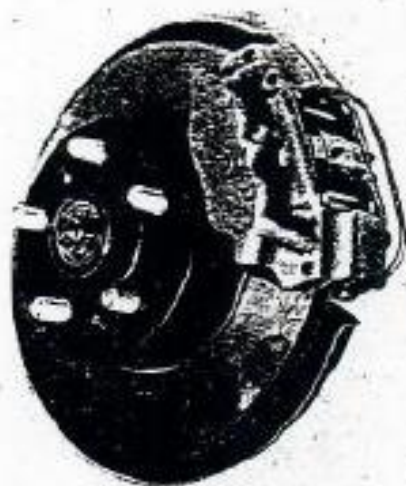
CONCERNS GROUP I



Heavier anti-roll bar (front)

Ø 18 mm

Part No.: 552170  
552171



Modified disc brakes (front)

Modifierade skivbromsar (fram)

Outside diameter 272 mm

Thickness of disc 24.0 mm

Length of brake linings 80 mm

Width of brake linings 48 mm

Number of pads per brake 2

Total area per brake 6766.6 mm



Stockholm den \_\_\_\_\_ 19\_\_\_\_

KUNGL AUTOMOBIL KLUBBEN