

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

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

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 5th 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

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

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 cm³ 121,2 in³
 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:

<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

Stamp and signature of the F.I.A.

Make VOLVO

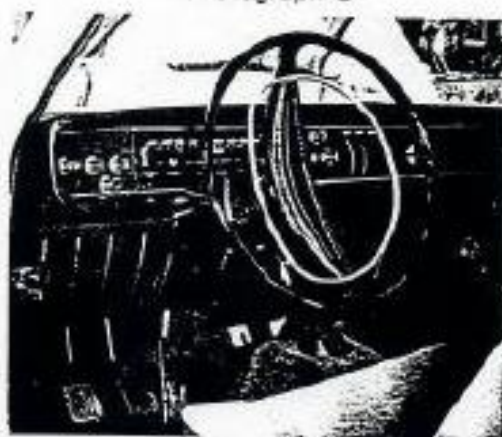
Model 142 S

F.I.A. Rec.No

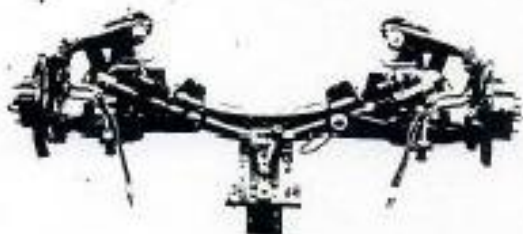
Photograph B



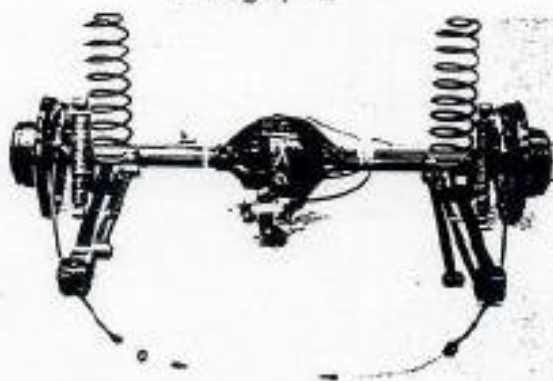
Photograph C



Photograph D



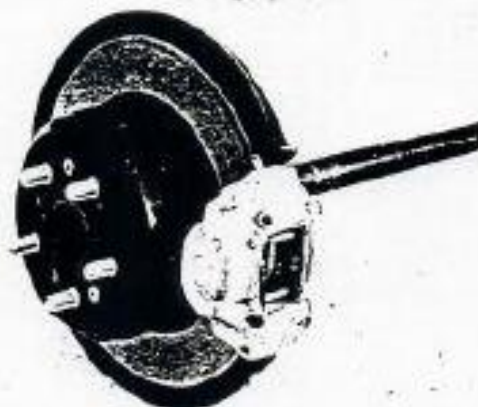
Photograph E



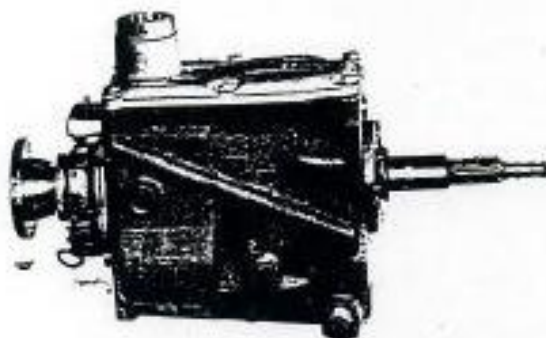
Photograph F



Photograph G



Photograph H



Photograph I



Make VOLVO

Model

142 B

F.I.A. Rec.No

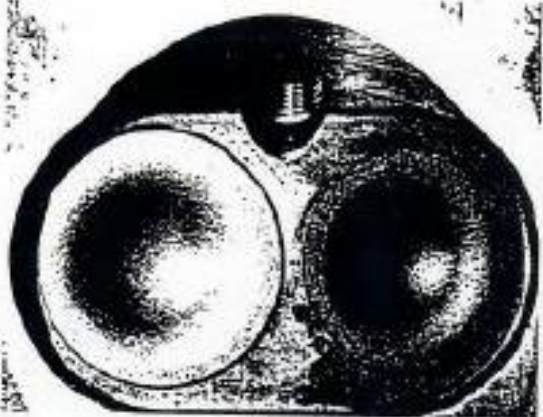
Photograph J



Photograph K



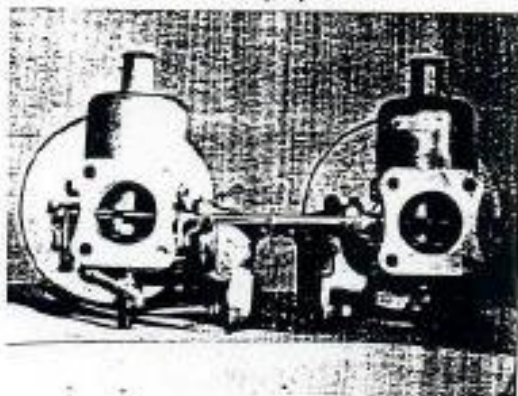
Photograph L



Photograph M



Photograph N



Photograph O



Photograph P

Photograph Q

inlet manifold



Make VOLVO

Model 142 3

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.



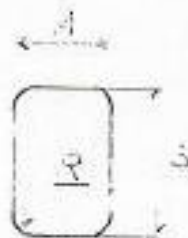
$$\phi 36 \begin{matrix} +0,25 \\ -0 \end{matrix}$$

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



$$\begin{aligned} A &= 27 \pm 0,7 \\ B &= 40 \pm 0,7 \\ R &= 5 \pm 1 \end{aligned}$$

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



$$\begin{aligned} A &= 25 \pm 0,7 \\ B &= 40 \pm 0,7 \\ R &= 4 \pm 1 \end{aligned}$$



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)	- 0.47318 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

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

Model 142 S

F.I.A. Rec.No

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 ²	sq.in.	mm ²	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 ²	sq.in.	4650 mm ²	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 cm³ 30,3 cu.in.
 136. Total cylinder-capacity 1986 cm³ 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 $52,0$ 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
 $46 \pm 0,1$ 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

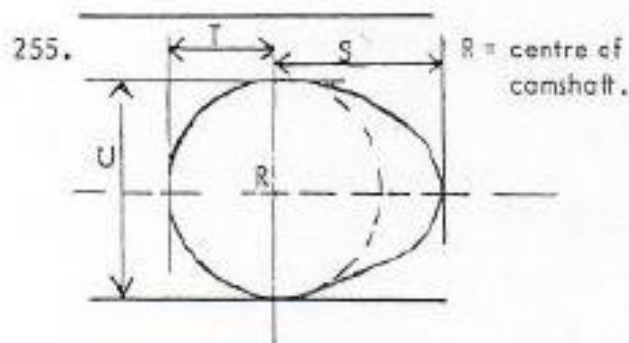
inches

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



Inlet cam			
S = 21,3	mm	0,840	inches
T = 14,6	mm	0,575	inches
U = 29,418	mm	1,158	inches
Exhaust cam			
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.

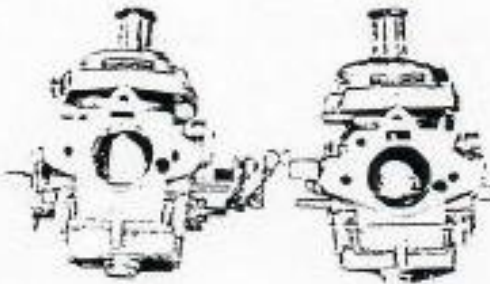
Optional equipment affecting preceding information. This to be stated together with reference number.

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

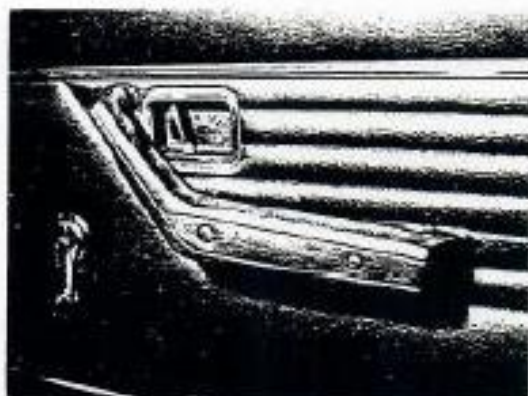
VOLVO

Type
Typ

142 de LUXE

Photographic documentation
Fotografier

CONCERNS GROUP I ONLY

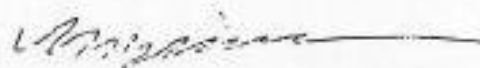


New type of interior armrests



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


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 console with controls for electrically heated rear window, hazard warning lights and clock
- Door pockets
- New upholstery



F. I. A. Recognition No.

F. I. A. Identifikations Nr.

5314/1.3

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

development of the original vehicle type.
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

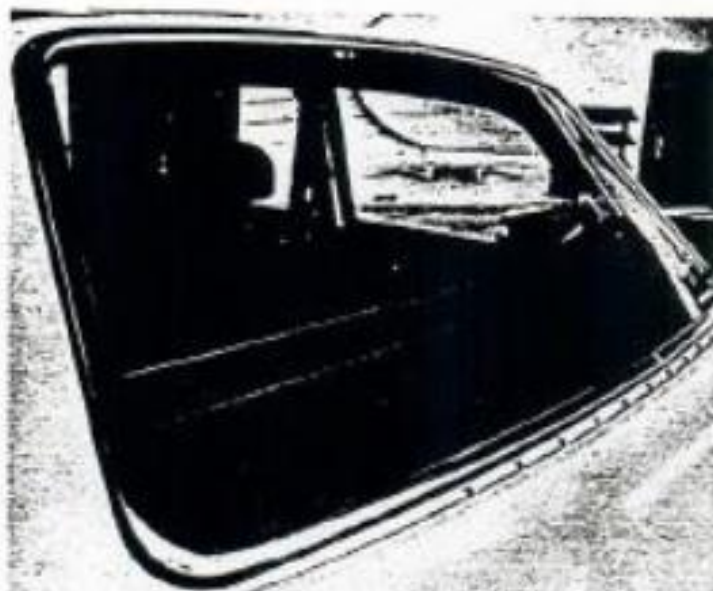
Type 142 c
Typ

Photographic documentation
fotografier

CONCERNS GROUP I



Front seats with head restr



Electrically heated rear win

*Form of Recognition (Normal development of original vehicle type)**Identifieringskort (Normal utveckling av forstypen)*No. 5314/8/2E
NrMärke
Märke

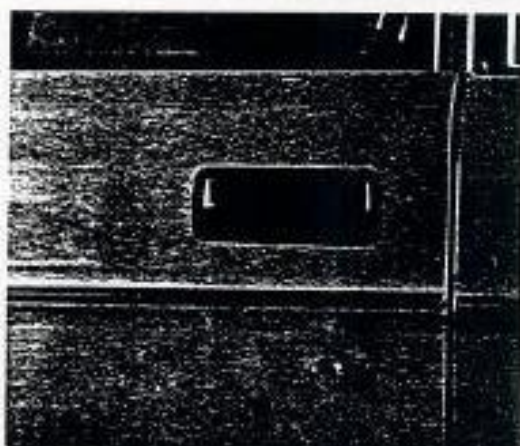
VOLVO

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

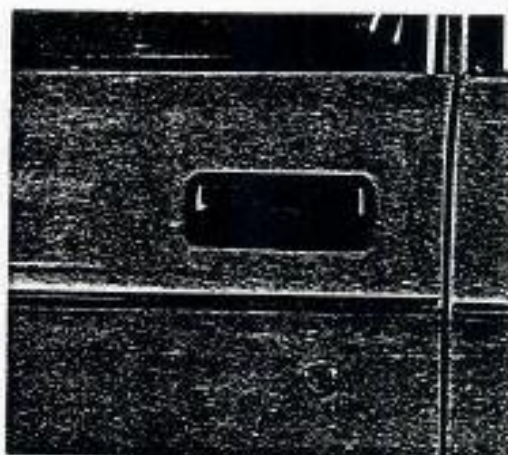
142

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

Form of Recognition (Normal development of original vehicle type)

Identifieringskort (Normal utveckling av forstypen)

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

Photographic documentation
Fotografier

CONCERNS GROUP I



Exhaust manifold

Part No. 419318



Transmission casing

Part No. 418693

Stockholm den _____ 19____

KUNGL AUTOMOBIL KLUBBEN

Form of Recognition (Normal development of original vehicle type)

Identiferingsskort (Normal utveckling av vagnstypen)

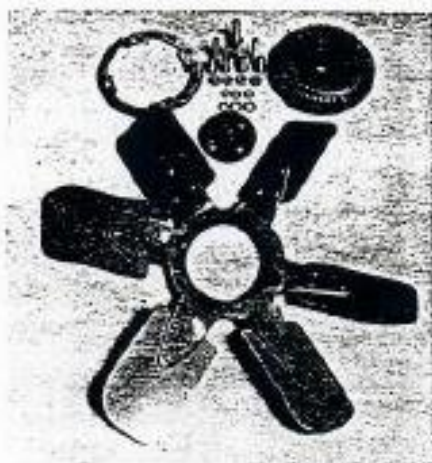
No. 5516 Make VOLVO Type 142 S
Nr. 10/6E

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

J. G.

Stockholm den _____ 19__

KUNGL AUTOMOBIL KLUBBEN