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VOLVO

*Competition
Service*

Prod HOMOLOGATION FORM	Section	1
	No	1
Date July, 1970		

HOMOLOGATION FORM

The homologation form, or ID-card, is a document which states the fixed specifications for an automobile and also indicates that this automobile has been manufactured in the quantity demanded by the international rules.

An application for homologation is submitted by the manufacturer to the national instance, in Sweden SVENSKA BILSPORTFÖRBUNDET (SBF) which forwards the application to the international organization for automobile competitions FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE.

The intention of the homologation form is that the pilot of a car, with the help of the form concerned in competitions, can prove that his car is of the version specified in the rules and that it has not been tuned beyond what is approved.

In competitions it is essential for every entry to be able to produce a valid homologation form. Owners of Volvo cars can obtain a copy free of charge from Volvo Competition Service.

The homologation form is available for amongst others the following cars:

VOLVO 122S (2-door)	B18 from chassie no	84600	Form No	1408
123GT	B18 " " "	216950	" "	5152
122S (2-door)	B20 " " "	312500	" "	5313
VOLVO 142S	B18 " " "	1	" "	5208
142S	B20 " " "	52900	" "	5314

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

1408

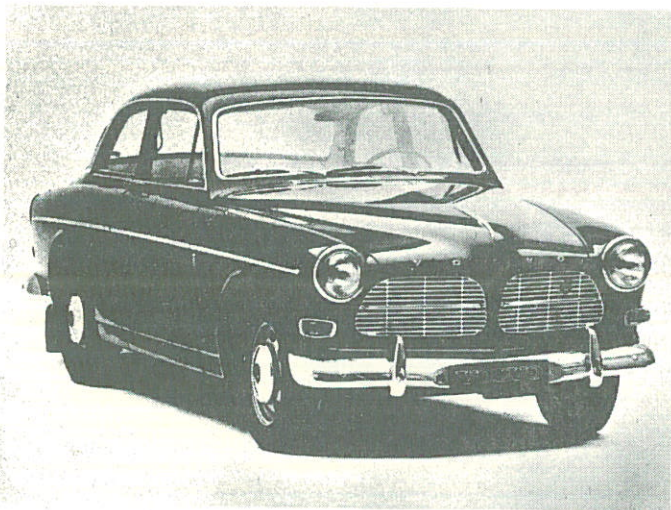


KUNGL AUTOMOBIL KLUBBEN
THE ROYAL SWEDISH AUTOMOBILE CLUB

Fédération Internationale de l'Automobile

FORM OF RECOGNITION IN ACCORDANCE WITH APPENDIX J TO THE INTERNATIONAL SPORTING CODE
IDENTIFIERINGSKORT I ÖVERENSSTÄMMELSE MED BILAGA J TILL INTERNATIONELLA TÄVLINGSREGLEMENTET

Manufacturer Tillverkare	AB VOLVO	GÖTEBORG
Model Modell	122, 2-doors/2-dörr	Year of manufacture Tillverkningsår 1965
SERIAL NO. OF NUMMERSERIE PÅ		
Chassis Chassi	P 132xx 84600 -1, -2, -3, ...	Engine Motor B 18 D
Type of coachwork Karosserityp	Two door saloon 2-dörrars täckt	
Recognition is valid from Klassningen gäller fr. o. m.	1st December 1965	In category I kategori Touring



August Schenck
Signature and stamp of F.I.A.
F. I. A.'s signatur och stämpel

KUNGL AUTOMOBIL KLUBBEN

GENERAL DESCRIPTION OF CAR ALLMÄN VAGNSBESKRIVNING

INTEGRAL STEEL BODY

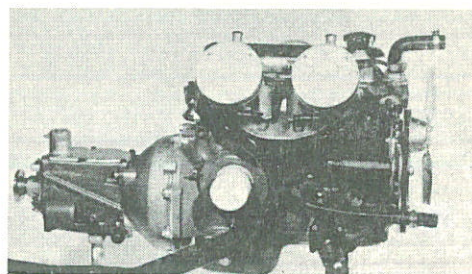
SJÄLVBÄRANDE STÅLKAROSS



Car from rear left
Fordonet snett bakifrån vänster



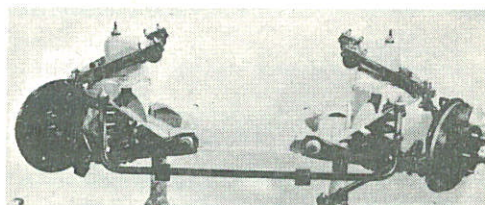
Engine from left
Motor från vänster



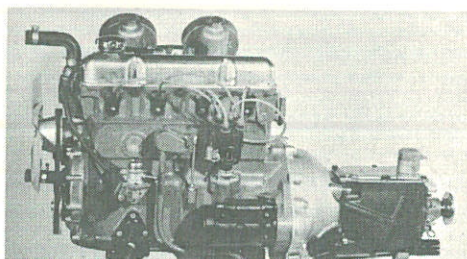
Interior through open driver's door
Interiör genom öppen förardörr



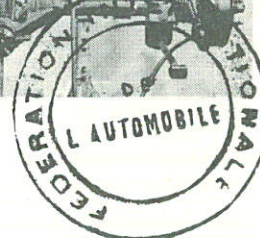
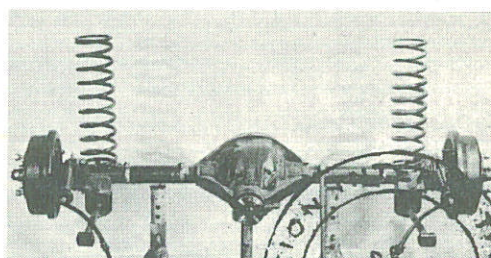
Front axle
Framaxel



Engine from right
Motor från höger



Rear axle
Bakaxel



KUNGL. AUTOMOBIL KLUBBEN

ENGINE MOTOR

No. of cylinders Antal cylindrar	4	Cylinder lay-out: Cylinderarrangemang:	In line I rad	Yes / Ja	In V IV-form	-	Opposed Motliggande	-
Means of cooling Kylmedium	Water/Vatten		Cycle	4-stroke				
Capacity Cylindervolym	1778	cm ³	Arbetsätt	4-takt				
Bore Cylinderdiameter	84,14	mm	Firing order Tändföljd	1-3-4-2				
			Stroke Slaglängd	80				mm

Material of cylinder block	C. J.	Material of sleeves, if fitted	-
Material i cylinderblock	Gjutjärn	Material i ev. cylinderfoder	-

Distance from crankshaft centre line to top face of block at centre line of cylinders Avstånd från vevaxelns centrumlinje till blockets överkant i cylindrarnas centrumlinje	231,5 ± 0,1	mm
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Material of cylinder head	C. J.	Volume of one combustion chamber Volym av ett förbränningsrum	38,5 ± 1,5	cm ³
Material i cylinderlock	Gjutjärn			

Compression ratio Kompressionsförhållande	11,1	Height at centre of combustion chamber Höjd i mitten av förbränningsrum	10,1 ± 0,1	mm
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No. of piston rings Antal kolvringar	3	Distance from gudgeon pin centre to highest point of piston crown Avstånd från kolvtappens centrumlinje till kolvens högsta punkt	46 ± 0,1	mm
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BEARINGS · LAGER

Crankshaft main bearings No. Vevaxellager	Antal	4 + 1	Type Copper-lead-indium/White metal Typ Blybrons/Vitmetall	Diameter Diameter	63,45	mm
Connecting rod big end Vevstakslager	4	Type Copper-lead-indium Typ Blybrons	Diameter Diameter	54,1	mm	

WEIGHTS · VIKTER

Flywheel / Svänghjul	8	kg	Crankshaft Vevaxel	16,5	kg	Connecting rod Vevstake	0,7 ± 0,03	kg
Piston with rings / Kolv med ringar	0,482	kg	Gudgeon pin Kolvtapp	0,113	kg			

VALVES VENTILER

No. of valves per cylinder Antal ventiler per cylinder	2	Method of valve operation Ventilmekanism	Push rod Tryckstång
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No. of camshafts Antal kamaxlar	1	Location of camshafts Kamaxelplacering	Cylinder block Cylinderblock
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Type of camshaft drive Kamaxeldrivning	Gears Kugghjul
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KUNGL. AUTOMOBIL KLUBBEN

	INLET / INLOPP	EXHAUST / UTLOPP
Diameter of valves Ventildiameter	42 mm	35 mm
Diameter of port at valve seat Portdiameter vid ventilsäte	41 mm	34 mm
Tapet clearance for checking timing Ventilspel vid kontroll av ventiltider	0,4 mm	0,4 mm
Valves open Ventiler öppnar	31 B.T.D.C. F.O.D.	73 B.B.D.C. F.U.D.
Valves close Ventiler stänger	73 A.B.D.C. E.U.D.	31 A.T.D.C. E.O.D.
Maximum valve lift <i>At valve play</i> Max. lyfthöjd <i>Ventilspel</i> } 0	10,8 mm	10,8 mm
Degrees of crankshaft rotation from zero to: Grader vaxelvarv från noll till:		
Maximum lift <i>At valve play</i> Max. lyfthöjd <i>Ventilspel</i> } 0	230	230
3/4 maximum lift 3/4 av max. lyfthöjd	174	174

VALVE SPRINGS VENTILFJÄDRAR	Coil	Coil
Type	Spiral	Spiral
Typ		
No. per valve Antal per ventil	1	1
Length, unloaded Längd, obelastad	46 mm	46 mm
when fitted Inspänd	39,8+0,4 mm	39,8+0,4 mm
Diameter internal Diameter inre	18,5 mm	18,5 mm
external yttre	27,2 mm	27,2 mm
Number of turns Antal varv	7	7

CARBURETTOR FÖRGASARE

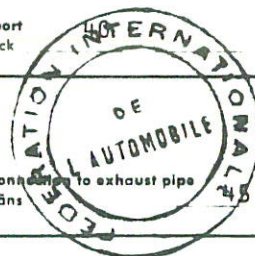
Type	Horizontal	No. fitted Antal	2
Typ	Horisontal		
Make Fabrikat	S.U.	Model Typ	HS-6
		Flange hole diameter Flänsdiameter	44,5 mm

INLET MANIFOLD INLOPPSRÖR

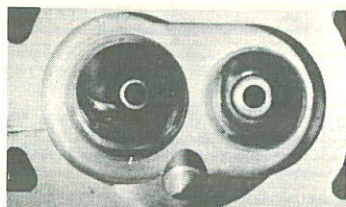
Diameter of flange hole at carburettor Inre diameter vid förgasarfäns	47 mm	Diameter of flange hole at port Inre diameter vid cylinderlock	mm
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EXHAUST MANIFOLD AVGASRÖR

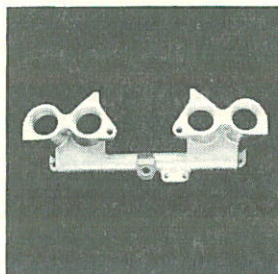
	1 = 75x 41		
Diameter of flange hole at port Inre diameter vid cylinderlock	2 = 28 x 41 mm	Diameter of flange hole at connection to exhaust pipe Inre diameter vid grenrörsfläns	mm



KUNGL AUTOMOBIL KLUBBEN



Combustion chamber
Förbränningsrum



Inlet manifold
Inloppsror



Piston from above
Kolv snett uppiifrån



Exhaust manifold
Utloppsgrenrör

ADDITIONAL INFORMATION FOR CARS FITTED WITH TWO-CYCLE ENGINES YTTERLIGARE UPPGIFTER FÖR BILAR MED TVÅTAKTSMOTORER

System of cylinder scavenging _____		Type of lubrication _____	
Cylinderspolning _____		Smörjsystem _____	
SIZE OF INLET PORT: MÅTT, INLOPPSKANAL:	Length measured around cylinder wall Längd, mätt runt cylindervägg _____ mm	Height Höjd _____ mm	Area _____ mm ²
SIZE OF EXHAUST PORT: MÅTT, UTLOPPSKANAL:	Length measured around cylinder wall Längd, mätt runt cylindervägg _____ mm	Height Höjd _____ mm	Area _____ mm ²
SIZE OF TRANSFER PORT: MÅTT, ÖVERSTRÖMNINGSKANAL:	Length measured around cylinder wall Längd, mätt runt cylindervägg _____ mm	Height Höjd _____ mm	Area _____ mm ²
SIZE OF PISTON PORT: MÅTT, KOLVPORT:	Length measured around piston Längd, mätt runt kolv _____ mm	Height Höjd _____ mm	Area _____ mm ²
Method of pre-compression Spolsystem _____			



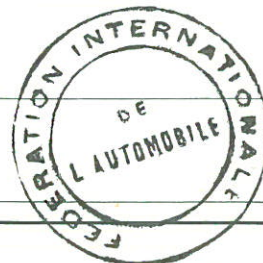
Drawing of cylinder ports
Skiss över cylinderportar

ENGINE ACCESSORIES MOTORTILLBEHÖR

Type of ignition system _____	Coil	No. of ignition coils Antal tändspolar _____	1
Tändsystem, typ _____	Batteritändning	Voltage of system Systemspänning _____	12 v
Make of dynamo Fabrikat generator _____	Bosch	Battery: No. fitted Batteri: Antal _____	1
Make of starter motor Fabrikat startmotor _____	Bosch	Voltage Spänning _____	12 v

SUPERCHARGER, if fitted KOMPRESSOR, om sådan finnes

Make Fabrikat _____	Model or type No. Modell eller typ _____
Type of drive _____	Ratio of drive Utväxling _____
Drivsätt _____	



KUNGL AUTOMOBIL KLUBBEN

FUEL INJECTION, if fitted
BRÄNSLEINSPRUTNING, om sådan finnes

Make of pump
Insprutningspump, fabrikat _____
Make of injectors
Munstycken, fabrikat _____

Model or type No.
Modell eller typ _____
Model or type No.
Modell eller typ _____



Location of injectors _____

Placering av munstycken _____

TRANSMISSION KRAFTÖVERFÖRING

Type Dry disc

Make of clutch
Fabrikat koppling Borg o Beck

Typ Torrslamell

Diameter of clutch plate
Diameter lamell 8,5"

No. of plates
Antal skivor 1

No. of clutch springs
Antal kopplingsfjädrar _____

Type Mechanical

Make of gearbox
Fabrikat växellåda Volvo M 40

Typ Mekanisk

No. of gearbox ratios
Antal växlar 4

Method of operating gearshift Manual

Location of gearshift Centre floor lever

Växlingsmekanism Manuell

Växelspaksplacering Golv

Overdrive? Planetary gear

If fitted, method of operation Electrical

Överväxel Planetttyp

Om sådan finnes, manövrering El. hydragrisk

GEARBOX RATIOS / UTVÄXLINGAR			ALTERNATIVE RATIOS / ALTERNATIVA UTVÄXLINGAR					
	Ratio Utväxl.	No. of teeth Antal kuggar	Ratio Utväxl.	No. of teeth Antal kuggar	Ratio Utväxl.	No. of teeth Antal kuggar	Ratio Utväxl.	No. of teeth Antal kuggar
1	3,13	33:15	2,62	33:15				
2	1,99	28:20	1,67	28:20				
3	1,36	22:23	1,24	23:22				
4	1							
Primary gears Primärväxel =		27:19		25:21				
Rev. Back	3,25							

Type of final drive Hypoid

Type of differential Rigid axle

Slutväxel, typ Hypoid

Differentialtyp Stel axel

Alternatives
Alternativ Anti-spinn

Final drive ratio
Utväxling slutväxel 4,1, 4,56, 4,88

No. of teeth
Antal kuggar 41:10, 41:9, 39:8

Overdrive ratio, if fitted
Utväxling ev. överväxel 0,756

WHEELS

HJUL

Type
Typ Disc wheels/skihjul

Rim size
Färgstorlek 4j x 15, 4,5j x 15, 5,5j x 15

Tyre size: Front
Däckdimension: Fram 165 x 15

Rear
Bak 165 x 15

Alt.
Alt. 8.00 x 15

BRAKES

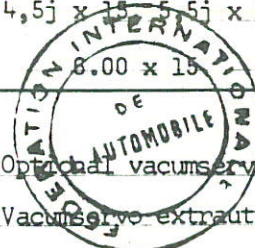
BROMSAR

Method of operation Hydraulic

Type of servo, if fitted Optical vacuum servo

Arbetsätt Hydraulisk

Typ av ev. servo Vacuum servo extrautrustning



KUNGL AUTOMOBIL KLUBBEN

	FRONT / FRAM	REAR / BAK
No. of wheel cylinders Antal hjulcylindrar	3	1
Bore of wheel cylinders Diameter hjulcylindrar	2 st 1 1/2", 1 st 2 1/8" mm	1" mm
Inside diameter of brake drums Inre diameter bromstrummer	- mm	230 mm
No. of shoes per brake Antal bückar per broms	-	2
Outside diameter of brake discs Yttre diameter bromsskivor	270 mm	- mm
No. of pads per brake Antal klotar per broms	2	-
DIMENSIONS OF BRAKE LININGS PER SHOE OR PAD BELÄGGDIMENSION PER BÄCK ELLER KLOTS		
Length Längd	95 mm	220 x 2 mm
Width Bredd	75 mm	- mm
Total area per brake Beläggyta per broms	55 mm	50 mm
	95 cm ²	220 cm ²

SUSPENSION

FJÄDRING

	FRONT / FRAM	REAR / BAK
Type Typ	Individual	Rigid axle/stel axel
Type of spring Fjädrertyp	Coil/spiral	Coil/spiral
Is stabilizer fitted? Finns krängningshämmare?	Yes/ja	-
Type of shock absorber Stötdämpartyp (funktionsprincip)	Teleskopisk	Teleskopisk
No. of shock absorbers Antal stötdämpare	2	2



Remarks

Anm.

STEERING

STYRINRÄTTNING

Type of steering gear Antal rattvarv mellan fulla framhjulslutslag	Cam and roller 3,25	Styrinrättning, typ Vänddiameter	Skruv och rulle 9,6
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CAPACITIES AND DIMENSIONS

MÅTT OCH VIKTER

Fuel tank Bränsletank	45 90 liter	Sump Oljeträg	3,25 liter	Radiator Kylsystem	8,5 liter	Gearbox Växellåda	0,75 liter
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Remarks

Anm.

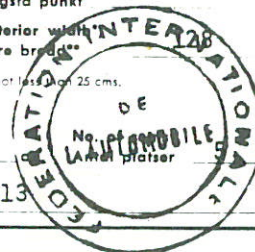
Gearbox with overdrive 1,6 liter

Overall length Total längd	444 cm	Overall width Total bredd	163 cm	Overall height, unladen Total höjd, obelastad	149 cm
Distance from floor to top of windscreen: Highest point Höjd över golvet till vindrutans överkant: Högsta punkt	103 cm	Lowest point Lägst punkt	100 cm	Interior width Inre bredd	- cm
Width of windscreen Vindrutebredd	max. 125 cm min. 114 cm				

*1) To be measured at the immediate rear of the steering wheel, and the width quoted to be maintained in a vertical plane of not less than 25 cms.

**1) Bredden mätas i ett 25 cm vertikallplan omedelbart bakom ratten.

Wheelbase Hjulbas	260 cm	Track width, front Spårvidd, fram	131,5 cm	rear bak	131,5 cm	Overall weight with water, oil and spare wheel, but without fuel Vagnvikt med vatten, olja och reservhjul, men utan bränsle	1013 kg
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KUNGL AUTOMOBIL KLUBBEN

OPTIONAL EQUIPMENT AND FURTHER OBSERVATIONS EXTRAUTRUSTNING OCH YTERLIGARE UPPLYSNINGAR



Protection plates = front and rear
Skyddsplåtar = fram och bak

Coil	)	front	52 50 60
Spiral	)	fram	
		rear	52 50 61
		bak	

The vehicle described in this Form of Recognition "New Model", recognized
Det i detta identifieringskort för ny modell beskrivna fordonet, klassat

by the F.I.A. on the
av F.I.A. den

under No.
under nr

has been subject to
har blivit föremål för

Additional Recognition (Variation) on the
Tillägg till klassning (variant) den

under No.
under nr

on the
den

under No.
under nr

on the
den

under No.
under nr

on the
den

under No.
under nr

on the
den

under No.
under nr

Extension of Recognition (Normal development of original vehicle type)
Utökning av klassning (Normal utveckling av vagn typen)

on the
den

under No.
under nr

on the
den

under No.
under nr

on the
den

under No.
under nr

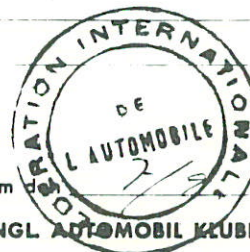
on the
den

under No.
under nr

on the
den

under No.
under nr

Stockholm



19 61

KUNGL AUTOMOBIL KLUBBEN

[Handwritten signature]

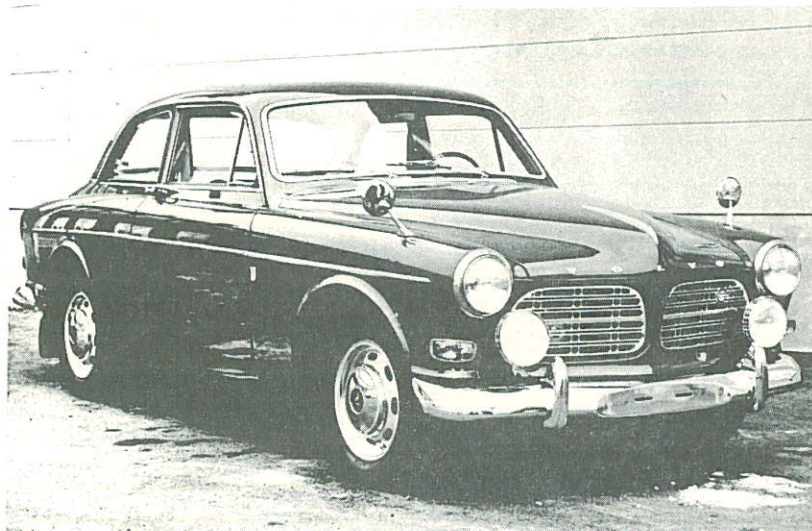
F.I.A. Recognition No5152.....
Group ...1- Tourisme de Serie

FEDERATION INTERNATIONALE DE L' AUTOMOBILE

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

ManufacturerA. B. Volvo..... Cylinder-capacity ...1778 cm3.....109 in3
Model123 GT.....
Serial No of chassis 216 950*..... Manufacturer ...A. B. Volvo.....
engine1..... 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 on22/8.1966
and the minimum production of ..5000.. identical cars, in accordance with the specifica-
tions of this form was reached on28/2.....1967

Photograph A, 3/4 view of car from front



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

Variants

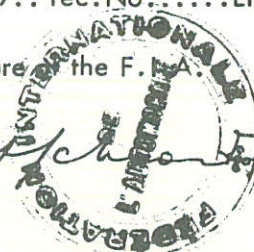
on 19.. rec.NoList on 19.. rec.NoList.....
on 19.. rec.NoList on 19.. rec.NoList.....
on 19.. rec.NoList on 19.. rec.NoList.....
on 19.. rec.NoList on 19.. rec.NoList.....
on 19.. rec.NoList on 19.. rec.NoList.....

Normal evolution of the type

Stamp and signature of the
National Sporting Authority



Stamp and signature of the F.I.A.



Make

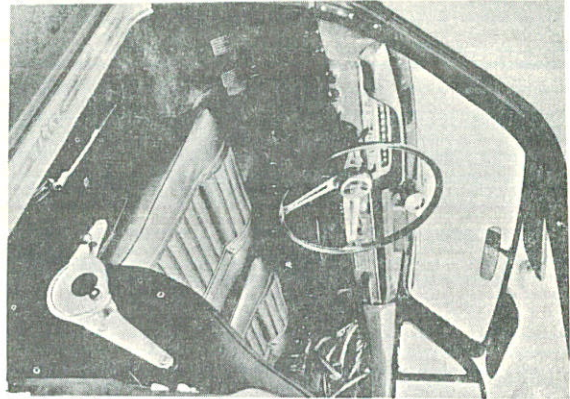
Model

F.I.A. Rec.No

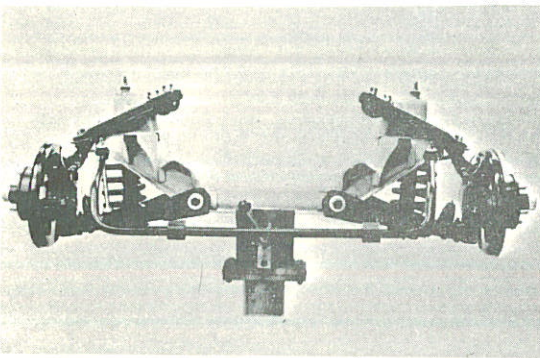
Photograph B



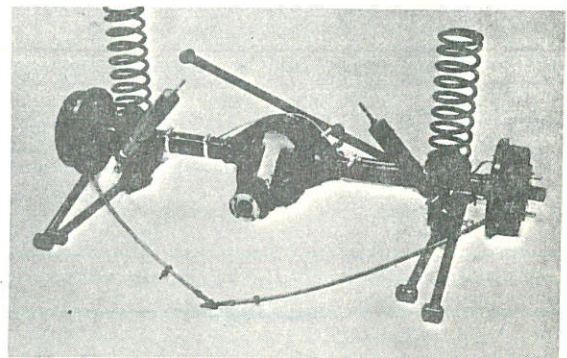
Photograph C



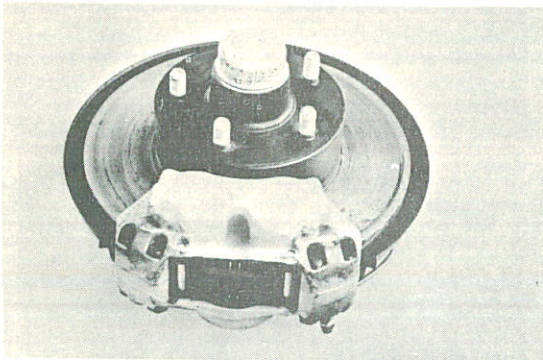
Photograph D



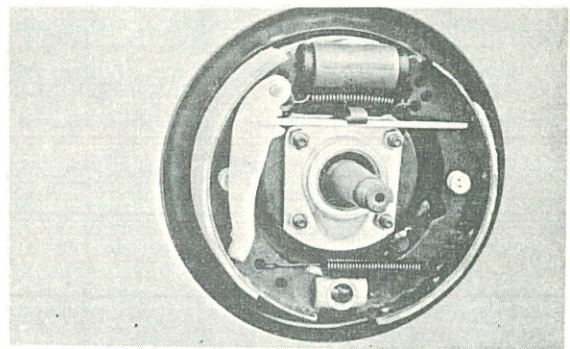
Photograph E



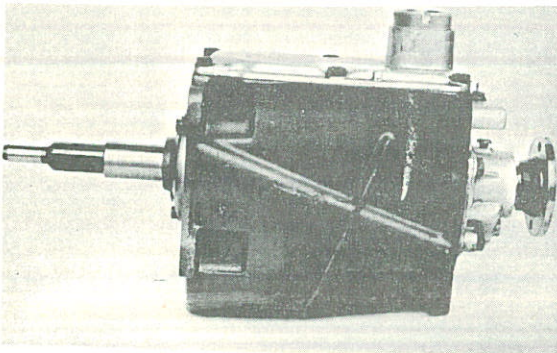
Photograph F



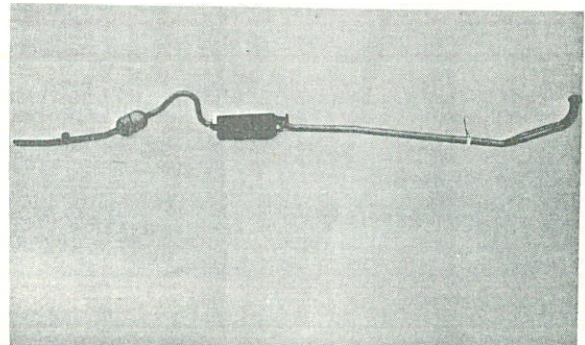
Photograph G



Photograph H



Photograph I

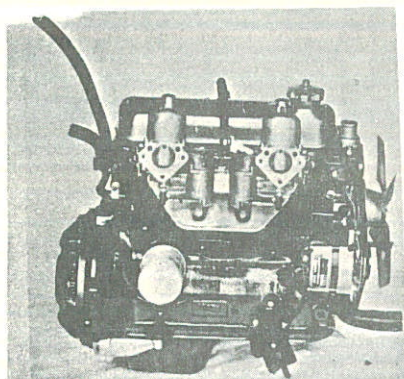


Make

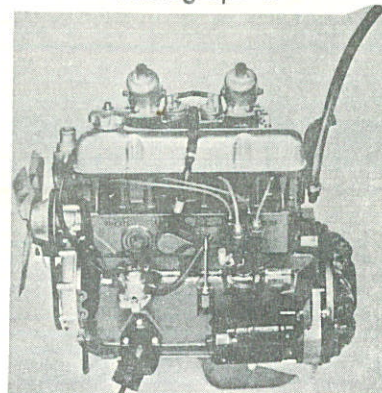
Model

F.I.A. Rec.No

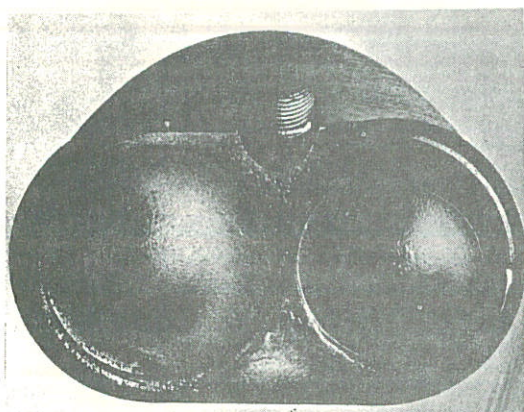
Photograph J



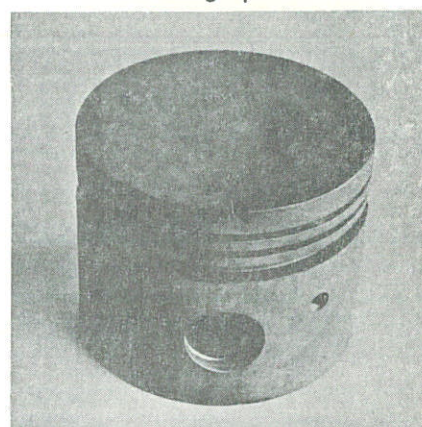
Photograph K



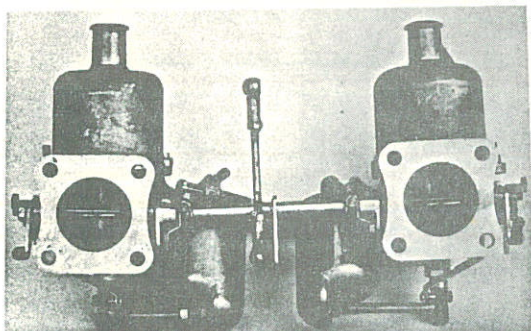
Photograph L



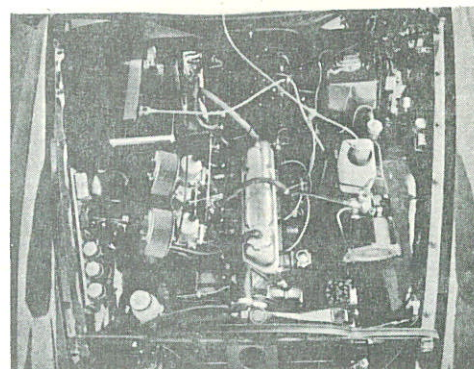
Photograph M



Photograph N



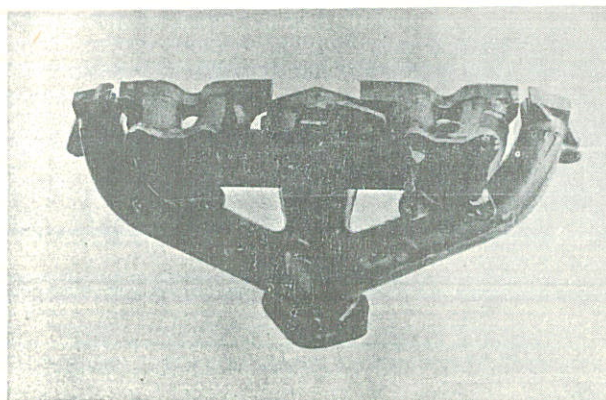
Photograph O



Photograph P

Photograph Q

inlet manifold



Make

Model

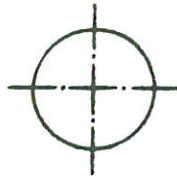
F.I.A. Rec.No

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



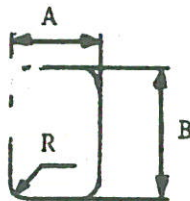
$\varnothing 36 \pm 0,31$

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



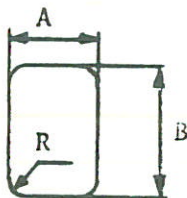
$\varnothing 36 \pm 0,31$

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.



$A = 25 \pm 0,8$
 $B = 38 \pm 0,8$
 $R = 4 \pm 0,8$

Make

Model

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. Wheelbase **2600** mm **102 1/2** inches
 2. Front track **1315** mm **51 3/4** inches *
 3. Rear track **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. Capacity of fuel tank (reserve included)
12 Gallon US **45** ltrs
10 Gallon Imp.
 8. Seating capacity **5**
 9. Weight , 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

Make

Model

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, 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 *berch, vinyl*

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

Make

Model

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 *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 *vacuum servo*
 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>220.2</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.

Make

Model

F.I.A. Rec.No

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 / *5*
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

Make

Model

F.I.A. Rec.No

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

Make

Model

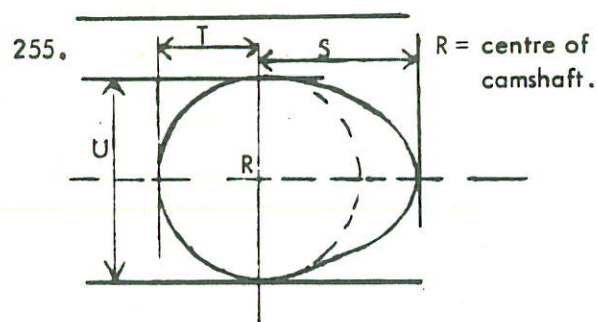
F.I.A. Rec.No

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



Inlet cam			
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
Exhaust cam			
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

Make

Model

F.I.A. Rec.No

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 preceeding information. This to be stated together with reference number.

F.I.A. Recognition No 5313.....

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 121,4...in³
Model 122 S
Serial No of chassis 312500 Manufacturer AB VOLVO
engine 1..... Manufacturer AB VOLVO
Recognition is valid from 1/1/70 List 70/1.....

The manufacturing of the model described in this recognition form was started on 15.8.19 68
and the minimum production of 5000... identical cars, in accordance with the specifica-
tions of this form was reached on 26.2.....19 69

Photograph A, 3/4 view of car from front



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

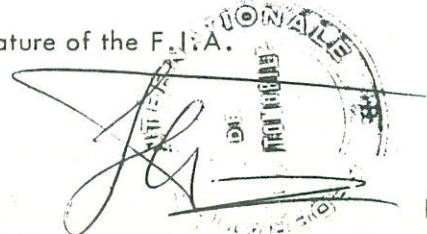
Variants

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]

Make

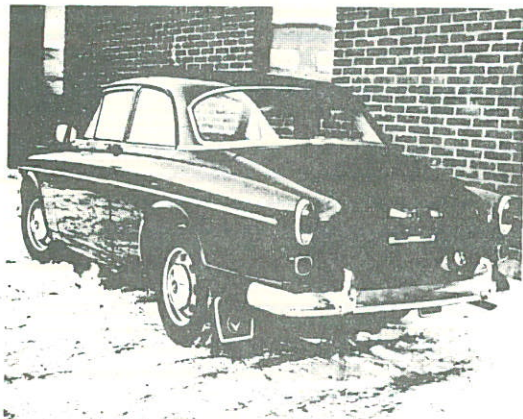
VOLVO

Model

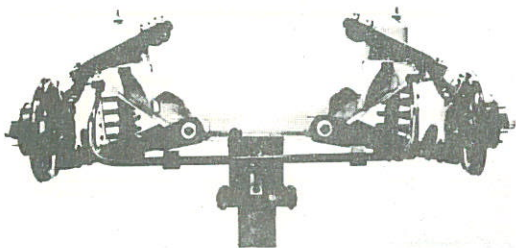
122 S

F.I.A. Rec.No

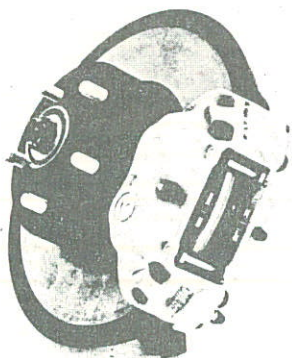
Photograph B



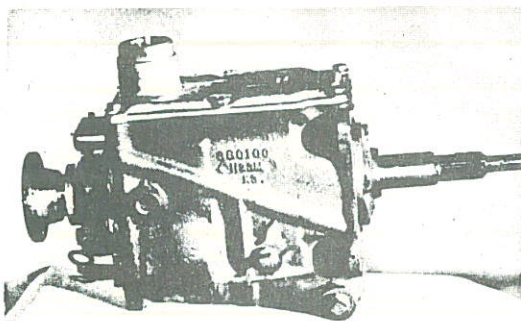
Photograph D



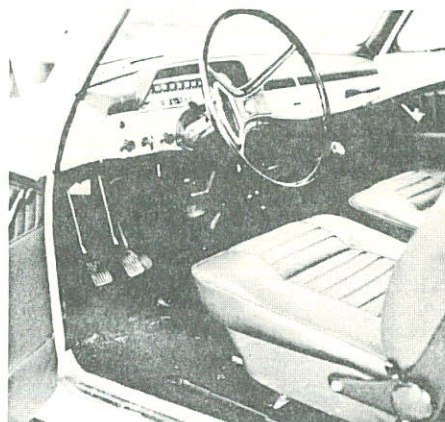
Photograph F



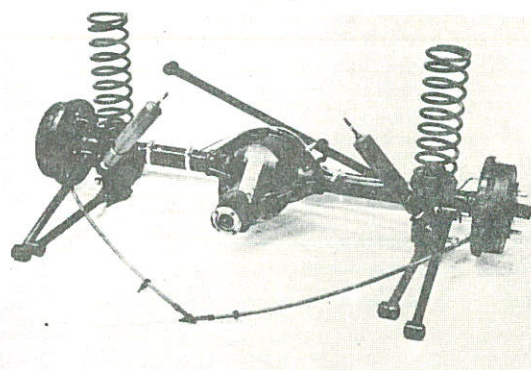
Photograph H



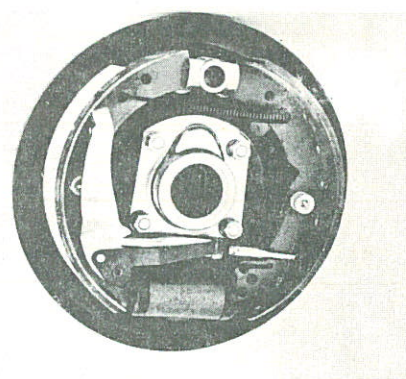
Photograph C



Photograph E



Photograph G



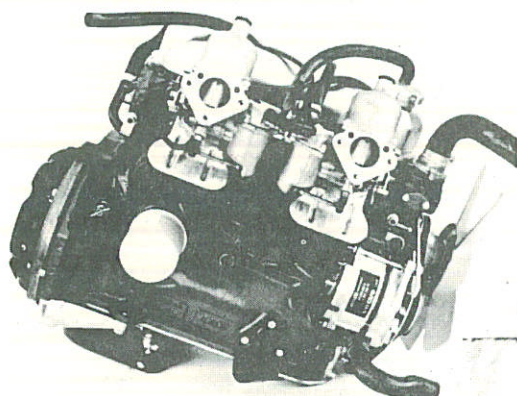
Photograph I



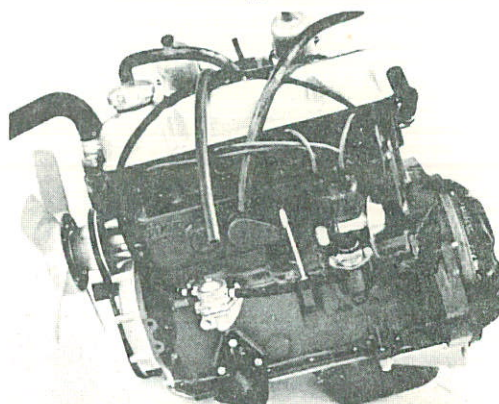
Make VOLVO Model 122 S

F.I.A. Rec.No

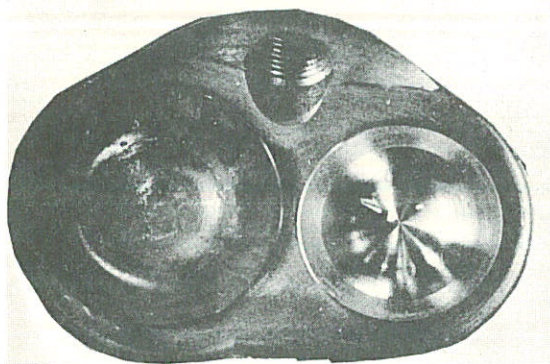
Photograph J



Photograph K



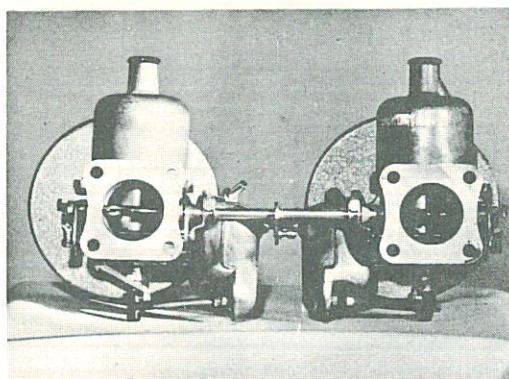
Photograph L



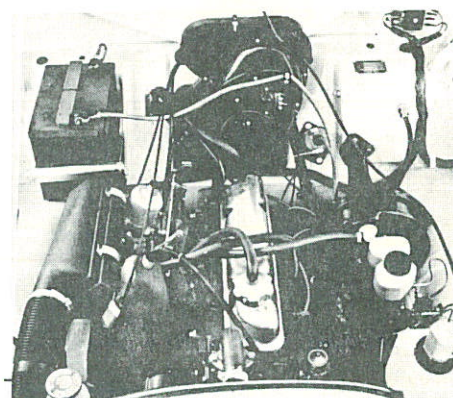
Photograph M



Photograph N



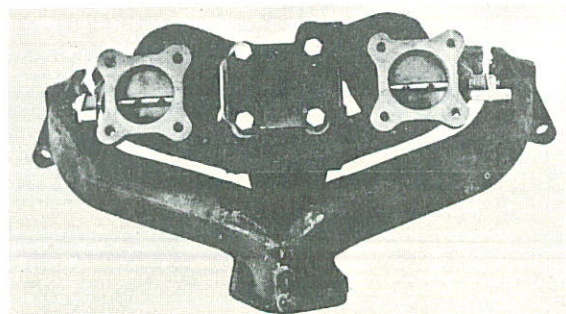
Photograph O



Photograph P

Photograph Q

inlet manifold



Make VOLVO

Model 122 S

F.I.A. Rec.No

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



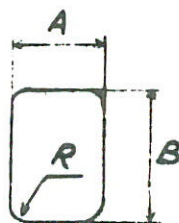
$$\varnothing 36 \begin{matrix} + 0,25 \\ - 0 \end{matrix}$$

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



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

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

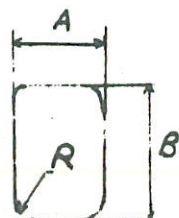


$$A = 27 \begin{matrix} + 0,7 \\ - 0 \end{matrix}$$

$$B = 40 \begin{matrix} + 0,7 \\ - 0 \end{matrix}$$

$$R = 5 \begin{matrix} + 1 \\ - 0 \end{matrix}$$

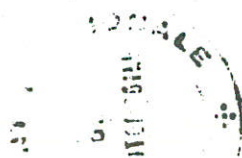
Drawing of exit to exhaust port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



$$A = 25 \begin{matrix} + 0,7 \\ - 0 \end{matrix}$$

$$B = 38 \begin{matrix} + 0,7 \\ - 0 \end{matrix}$$

$$R = 4 \begin{matrix} + 1 \\ - 0 \end{matrix}$$



Make VOLVO

Model 122 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. Wheelbase 2600 mm 102 1/2 inches
2. Front track 1315 mm 51 3/4 inches *
3. Rear track 1315 mm 51 3/4 inches *
4. Overall length of the car 445 cm inches
5. Overall width of the car 162 cm inches
6. Overall height of the car 150,5 cm inches
7. Capacity of fuel tank (reserve included)
12 Gallon US 45 ltrs
10 Gallon Imp.
8. Seating capacity 5
9. Weight , total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:

1045 kg 2297 lbs 20,9 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 cm2	1 gallon Imp.	- 4.546 ltrs
1 cubic inch/pouce cube	- 16.387 cm3	1 gallon US	- 3.785 ltrs
1 pound/livre (lb)	- 453.593 gr.	1 hundred weight (cwt)	- 50.802 kg

Make

VOLVO

Model 122 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 STEEL

23. Material (s) of coachwork

24. Number of doors 2 Material (s) STEEL METAL

25. Material (s) of bonnet STEEL METAL

26. Material (s) of boot lid STEEL 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 HANDERS

32. Material (s) of rear-quarter light TEMPERED GLASS

ACCESSORIES AND UPHOLSTERY

38. Interior heating : yes - ~~no~~39. Air-conditioning : ~~yes~~ - no40. 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 :

14,6 kg

lbs

43. Rear seats, type of seat and upholstery BENCH, VINYL

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 101 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



Make VOLVO

Model 122 3

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 SYSTEM
 91. Servo-assistance (if fitted), type VACUUMSERVO
 92. Number of hydraulic master cylinders TANDEM MASTER CYLINDER

		FRONT		REAR	
93. Number of cylinders per wheel		4		2	
94. Bore of wheel cylinder (s)	4 x 36	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.	9,6 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	7,300	mm ²	sq.in.	4650 mm ²	sq.in.



Make VOLVO

Model 122 S

F.I.A. Rec.No

ENGINE (photographs J and K)

130. Cycle 4 - STROKE
131. Number of cylinders 4
132. Cylinder arrangement IN LINE
133. Bore $88,9 \pm 0,01$ mm in.
134. Stroke $80,0 \pm 0,01$ mm 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
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 8,4 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) 9,9 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 0,710 kg lbs

Make VOLVO

Model 122 S

F.I.A. Rec.No

FOUR STROKE ENGINES

170. Number of camshafts 1
 171. Location CYLINDER BLOCK
 172. Type of camshaft drive GEARS
 173. Type of valve operation IUSH 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 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 PAIER

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 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

Make VOLVO

Model 122 S

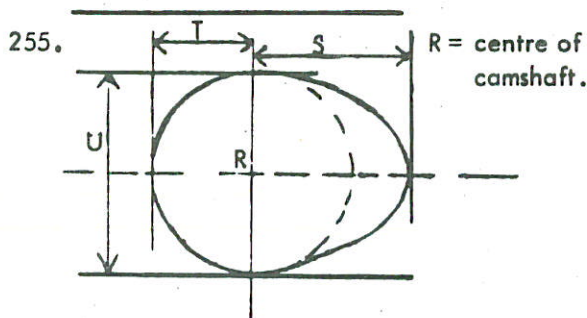
F.I.A. Rec.No

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 at KGM SAE 3.500 rpm
 253. Maximum speed of the car km/hour miles/hour



Inlet cam				
S =	21,3	mm	0,831	inches
T =	14,6	mm	0,575	inches
U =	29,418	mm	1,158	inches
Exhaust cam				
S =	21,3	mm	0,831	inches
T =	14,6	mm	0,575	inches
U =	29,418	mm	1,158	inches

Make VOLVO

Model 122 S

F.I.A. Rec.No

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 MECHANICAL

GEAR BOX (photograph H)

270. Manual type, make VOLVO M 40

Method of operation

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	3,13:1	33:15			2,62:1	33:15		
2	1,99:1	28:20			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 HYPOID

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

Make V O L V O

Model 122 S

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.

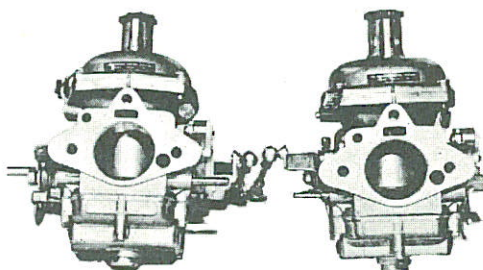
Optional equipment affecting preceding information. This to be stated together with reference number.

CONCERNS GROUP I ONLY

CARBURETTOR

ZENITH - STROMBERG

175 CD - 2 SE



Front 237437

Rear 237438

FINAL DRIVE RATIO 4,10:1

273126

NUMBER OF TEETH 41:10

LIMITED SLIP DIFFERENTIAL SPILER/DANA "POWR-LOK"

384479

DISC WHEELS

668280

RIM DIAMETER 381 mm 15 inches

RIM WIDTH 114 mm 4 1/2 inches



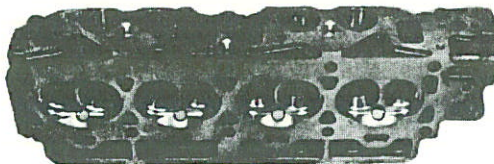
Make V O L V O

Model 122 S

F.I.A. Rec.No.

CONCERNS GROUP II

Cylinder head



419894





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

5013/4/AV
GR II

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.

1/1/70 - List 70/4

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 122S

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

1st of February, 1970

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

133341312500

The
Modellen

122S

recognized in Category
, klassad i kategori

Group I

by the F.I.A. on the
av FIA den

1st of January, 1970

List
Lista

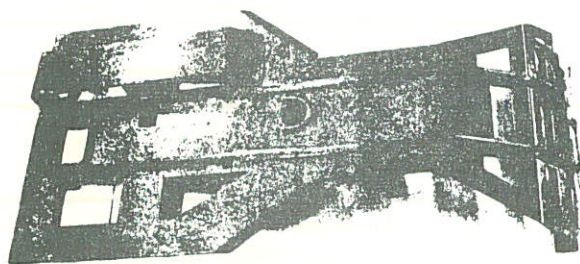
70/1

as a normal
som normal

development of the original vehicle type.
utveckling av vagnstypen

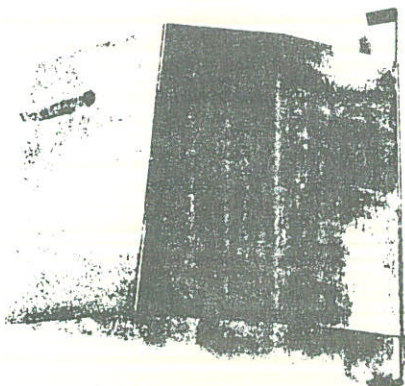
Stamp and signature of the F.I.A.
FIA:s signatur och stämpel

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



Protection plate - front, steel PartNo. 552107
Skyddsplåt - främre, stål Det. Nr. 552107

Same as above - of aluminium PartNo. 552111
Som ovan - av aluminium Det. Nr. 552111

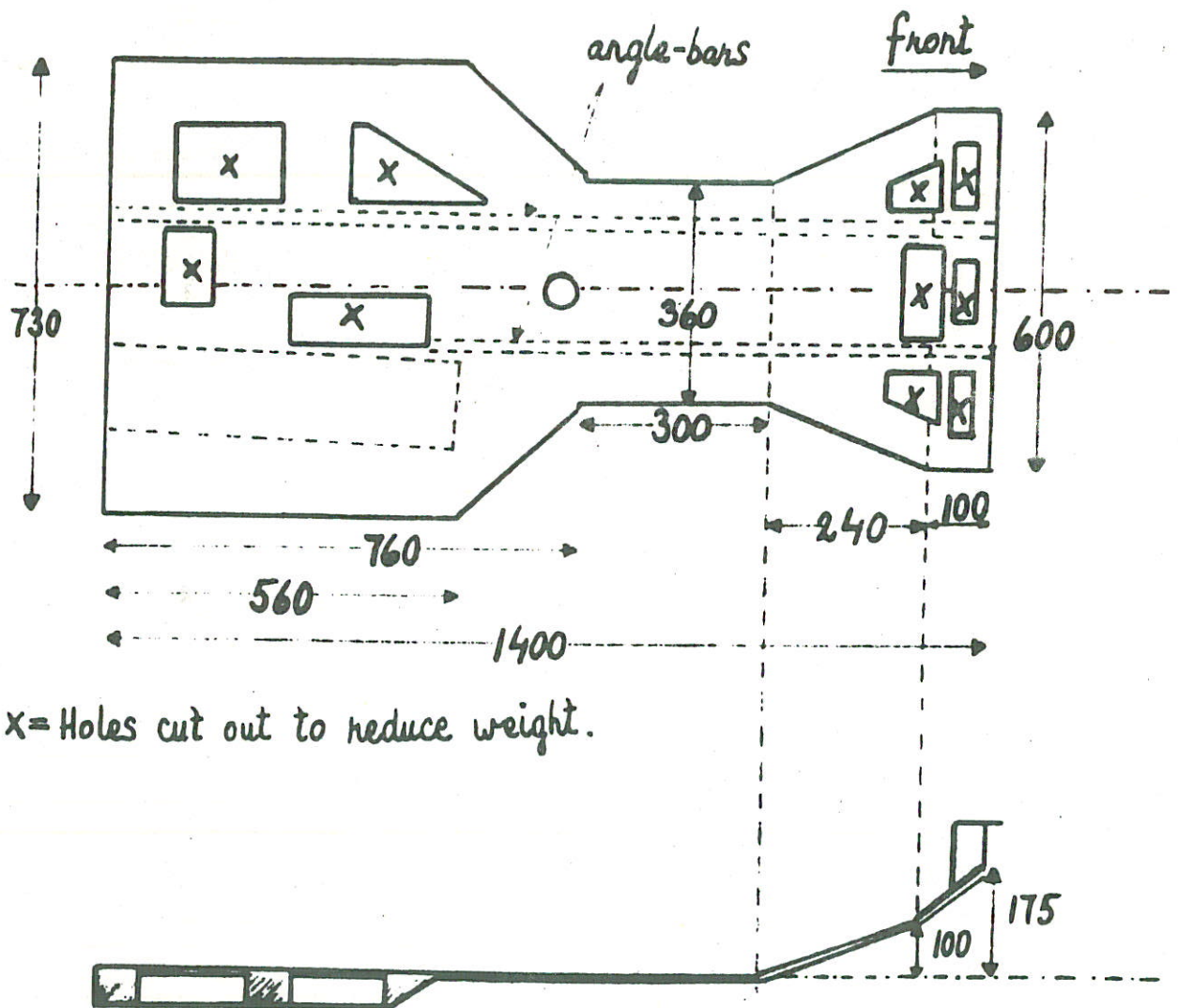


Protection plate - rear, steel PartNo. 552108
Skyddsplåt - bakre, stål Det. Nr. 552108

Same as above - of aluminium PartNo. 552112
Som ovan - av aluminium Det. Nr. 552112

[Handwritten signature]

PROTECTION PLATE, FRONT VOLVO 122S



Two angle-bars — 25 x 25 x 4 mm — welded alongside bottom of protection plate.

Material: 4 mm steel-plate.

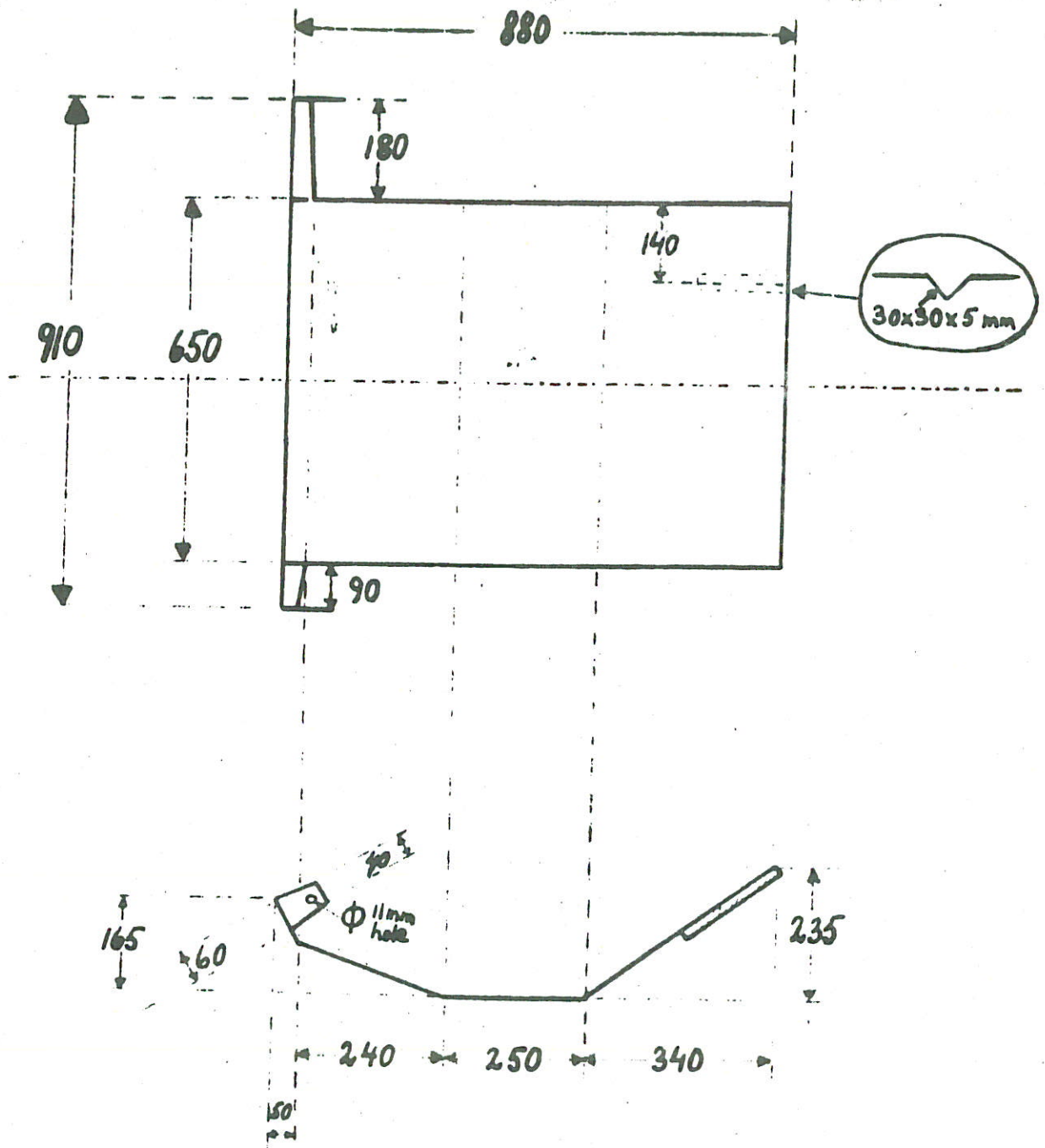
Weight: 31 kilos.

68.2 lb.

Scale: 1:10



PROTECTION PLATE, REAR VOLVO 122 S

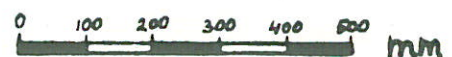


Material: 5 mm steel-plate.

Weight: 33 1/2 kilos.

73.7 kg

Scale: 1:10

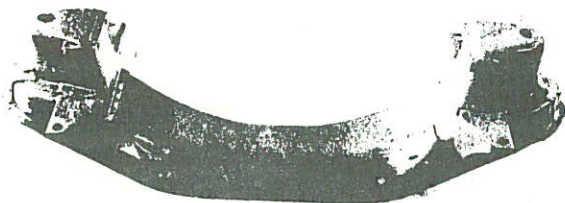
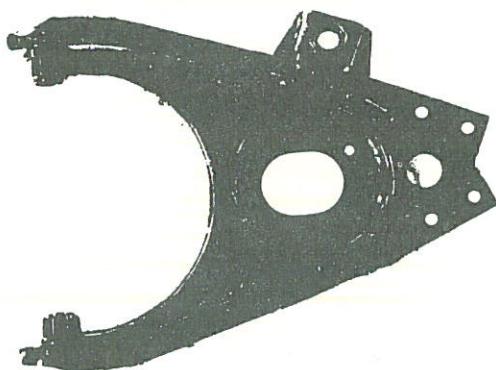


*Form of Recognition (Normal development of original vehicle type)**Identifieringskort (Normal utveckling av vagnstypen)*No.
NrMake
Märke

VOLVO

Type
Typ

Volvo 122S

Photographic documentation
FotografierFront axle cross-member
FramaxelbalkPartNo. 525781
Det. Nr.Lower wishbone - LEFT
Nedre länkarm - VÄNSTERPartNo. 552133
Det. Nr.

Stockholm den

24/1 1970

KUNGL AUTOMOBIL KLUBBEN

SVENSKA DISPORTSUTÖVARE

DISPORTSUTÖVARE

Handwritten signature

F.I.A. Recognition No **5208**
 Group ... **1** - **Series - Production**
Touring

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
 Model ... **1425**
 Serial No of chassis **1** Manufacturer ... **A. B. Volvo**
 engine **9688** Manufacturer ... **A. B. Volvo**
 Recognition is valid from ... **1st Jan. '68** List ... **1968/1**
 The manufacturing of the model described in this recognition form was started on **18/5** 1967
 and the minimum production of **5000** identical cars, in accordance with the specifica-
 tions of this form was reached on **1/10** 1967

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

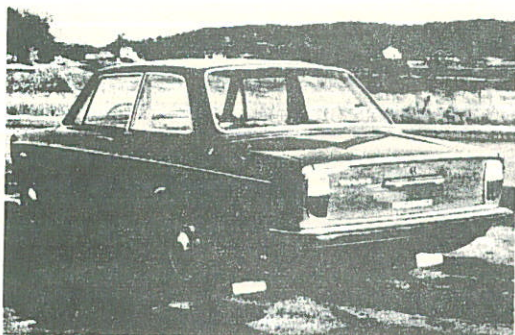
Stamp and signature of the F.I.A.

Make *Volvo*

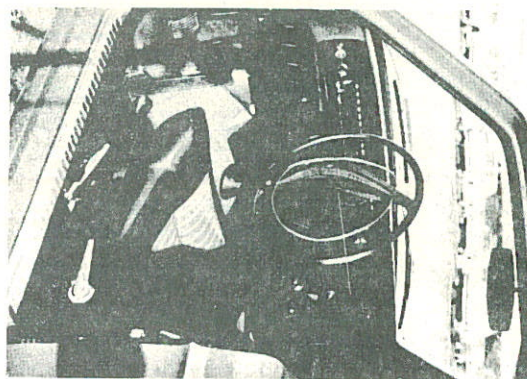
Model *142 S*

F.I.A. Rec.No

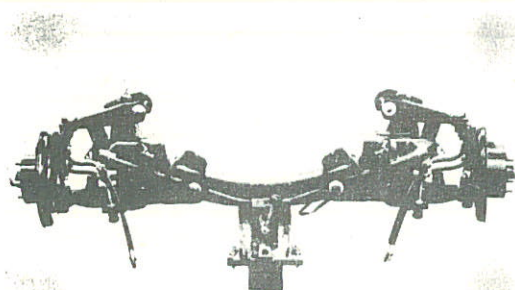
Photograph B



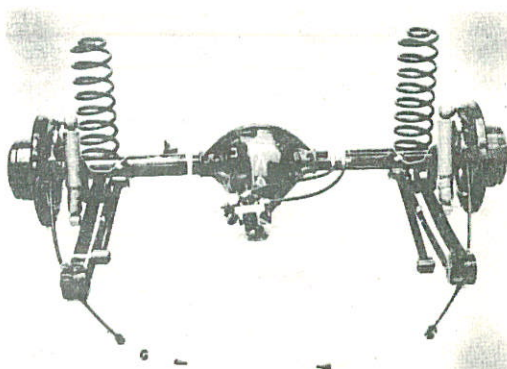
Photograph C



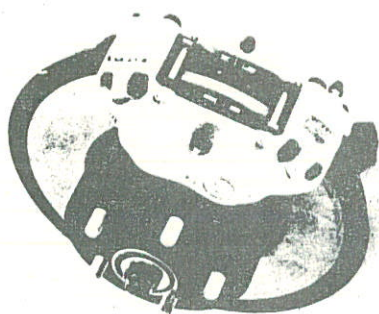
Photograph D



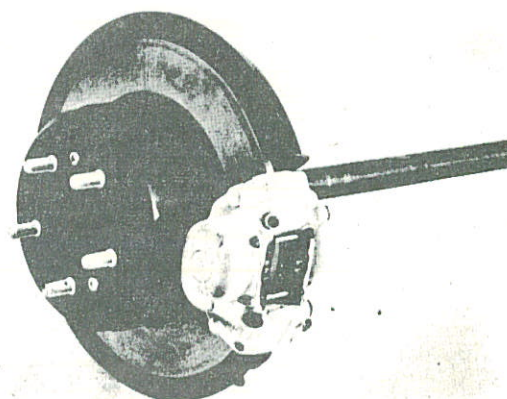
Photograph E



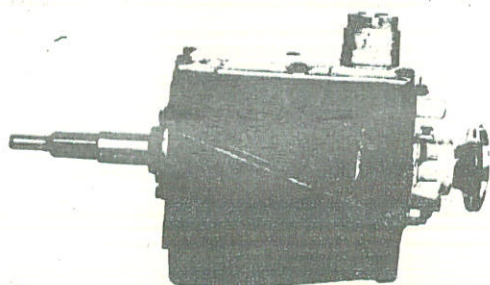
Photograph F



Photograph G



Photograph H



Photograph I

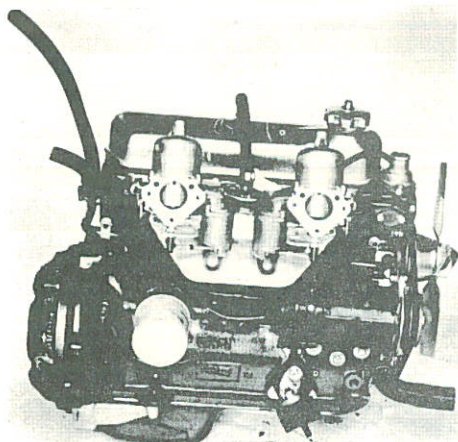


Make *Volvo*

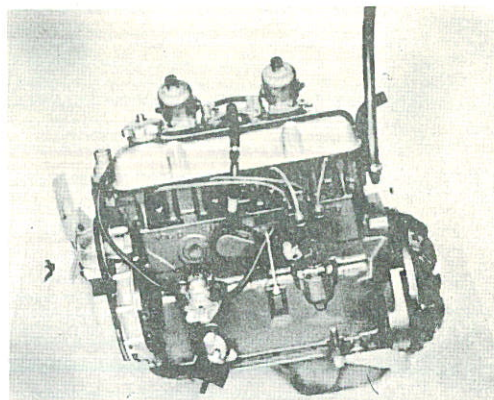
Model *142 S*

F.I.A. Rec.No

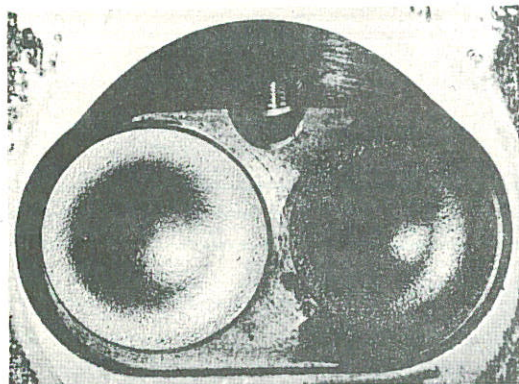
Photograph J



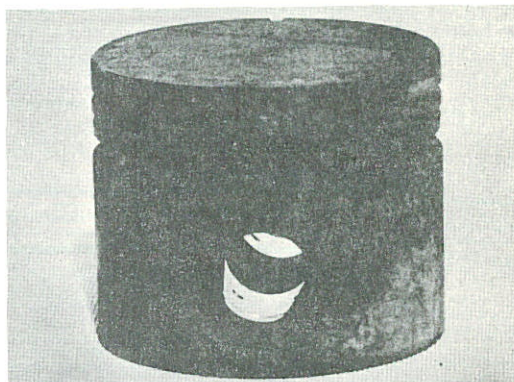
Photograph K



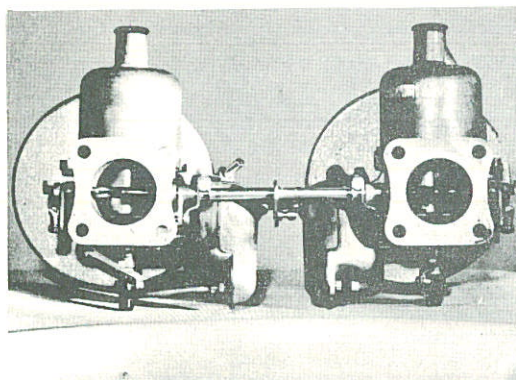
Photograph L



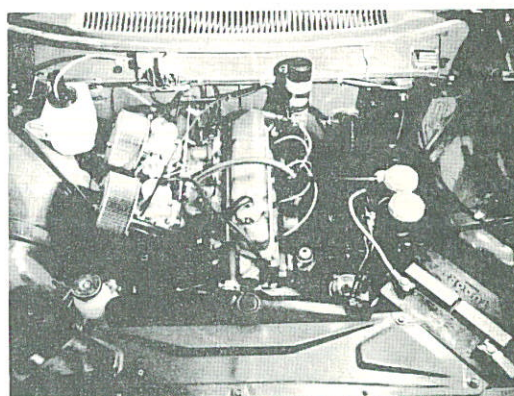
Photograph M



Photograph N



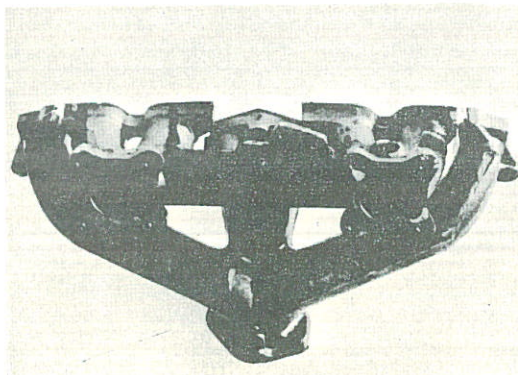
Photograph O



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.



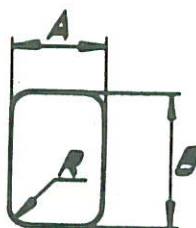
$\varnothing 36 \pm 0,31$

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



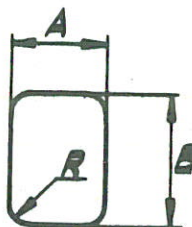
$\varnothing 36 \pm 0,31$

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.



$A = 25 \pm 0,8$
 $B = 38 \pm 0,8$
 $R = 4 \pm 0,8$



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

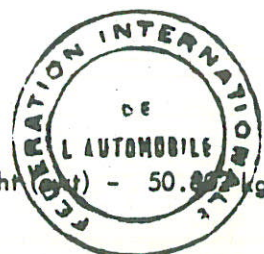
1. Wheelbase **2600** mm **102 1/2** inches
2. Front track **1350** mm **53 1/8** inches *
3. Rear track **1350** mm **53 1/8** inches *
4. Overall length of the car **464** cm inches
5. Overall width of the car **174** cm inches
6. Overall height of the car **146** cm inches
7. Capacity of fuel tank (reserve included) **15** Gallon US **58** ltrs **13** Gallon Imp.
8. Seating capacity **5**
9. Weight, total weight of the car with normal equipment, water, oil and spare wheel but without fuel nor repair tools:
1073 kg **2366** lbs **21,1** 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 foot/pied	-	30.4794 cm
1 square inch/pouce carré	-	6.452 cm ²
1 cubic inch/pouce cube	-	16.387 cm ³
1 pound/livre (lb)	-	453.593 gr.

1 quart US
1 pint (pt)
1 gallon Imp.
1 gallon US
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
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 **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, SPLIT CIRCUIT BRAKE SYSTEM**
 91. Servo-assistance (if fitted), type **VACUUMSERVO**
 92. Number of hydraulic master cylinders **TANDEM 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.	9,6 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.



Make **VOLVO**

Model **142 S**

F.I.A. Rec.No

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 **89,0 ± 0,01** mm **3,5** 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 : **stamped**
148. Type of crankshaft : integral/.....
149. Number of crankshaft main bearings **5**
150. Material of bearing cap **CAST IRON**
151. System of lubrication : **oil in sump**
152. Capacity, lubricant **3,75** ltrs pts quarts US
153. Oil cooler: **no**
154. Method of engine cooling **WATER**
155. Capacity of cooling system **86** 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 **0,588** kg lbs



Make **VOLVO**

Model **142 S**

F.I.A. Rec.No

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 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 **in.**
216. Minimum diameter of venturi / minimum diam. with piston at maximum height

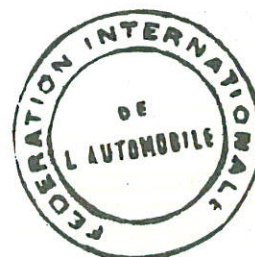
mm

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



Make **VOLVO**

Model **142 S**

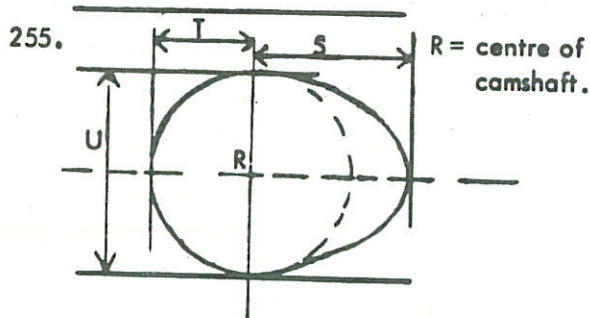
F.I.A. Rec.No

ENGINE ACCESSORIES

230. Fuel pump : mechanical ~~electrical~~
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 **1**
236. Generator, type : dynamo / ~~alternator~~ - number fitted **1**
237. Method of drive _____ **BELT DRIVEN**
238. Voltage of generator **12** volts
239. Battery, number _____ /
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 **115** (type of horsepower: **SAE**) at **6000** rpm
251. Maximum rpm **6000** output at that figure **115**
252. Maximum torque **15,5 KGM** at **SAE** at **4000** rpm
253. Maximum speed of the car km/hour miles/hour



Inlet cam			
S =	21,3	mm	0,83 inches
T =	14,6	mm	inches
U =	29,418	mm	inches
Exhaust cam			
S =	21,3	mm	0,83 inches
T =	14,6	mm	inches
U =	29,418	mm	inches



Make **VOLVO**

Model **142S**

F.I.A. Rec.No

**DRIVE TRAIN
CLUTCH**

260. Type of clutch **DRY DISC**

261. No of plates **1**

262. Dia. of clutch plates **21,6** cm

263. Dia. of linings, inside **14,0** cm

inches

in. outside **21,6** cm in.

264. Method of operating clutch **MECHANICAL**

GEAR BOX (photograph H)

270. Manual type, make **VOLVO M40**

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	3,13:1	33:15			2,62	33:15		
2	1,99:1	28:20			1,67	28:20		
3	1,36:1	22:23			1,24	23:22		
4	1:1							
5								
6								
reverse								

278. Overdrive, type **ELECTRICALLY OPERATED OVERDRIVE**

279. Forward gears on which overdrive can be selected **FOURTH GEAR**

280. Overdrive ratio **0,756:1**

FINAL DRIVE

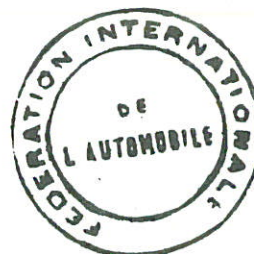
290. Type of final drive **HYPOID**

291. Type of differential **RIGID AXLE**

292. Type of limited slip differential (if fitted)

293. Final drive ratio **4,1 AND 4,56**

Number of teeth **41:10 41:9**



Make **VOLVO**

Model **142 S**

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 preceeding information. This to be stated together with reference number.

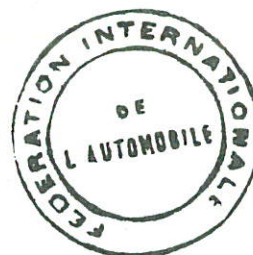
CONCERNS GROUP II ONLY

FINAL DRIVE RATIO 4,88:1 674983
NUMBER OF TEETH 39.8

POWER-LOK DISC TYPE 384498

TUNING KIT 419398
WHICH ENABLES AN OUTPUT OF 128 HP AND CONTAINS THE FOLLOWING COMPONENTS :

CYLINDER HEAD 419351
INLET VALVE 419315
EXHAUST VALVE 419316
VALVE SPRING 418737
WASHER FOR SPRING 403500
PROTECTIVE RING 405357
LOCK TAP FOR WASHER 403315
GUIDE SLEEVES, INDUCTION 419378
GUIDE SLEEVES, EXHAUST 403390
GASKET, CYLINDER HEAD 419393
CAMSHAFT 419258
FLYWHEEL 419392
COVER FOR OIL PUMP 419395
TIMING GEAR CASING 418693
PACKING BOX FOR ABOVE 418668
HUB FOR PULLEY 418264
EXHAUST MANIFOLD 419381
METERING NEEDLE 237241
SPRING, VACUUM PLUNGER, CARBURETTER 237242



Group II only

Make **VOLVO**

Model **1425**

F.I.A. Rec.No

IGNITION COIL

239499

SPARK PLUG W 280 T135

240571

SPARK PLUG W 240 T1

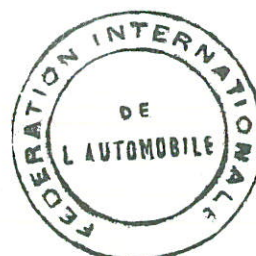
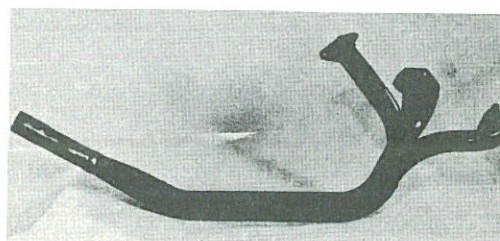
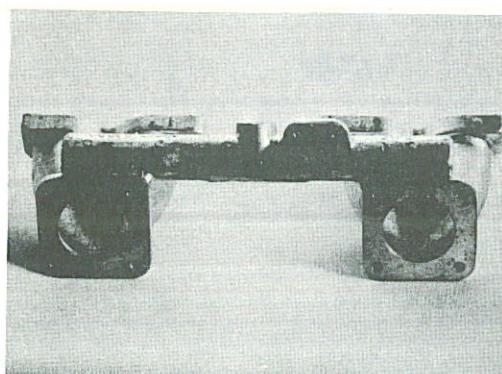
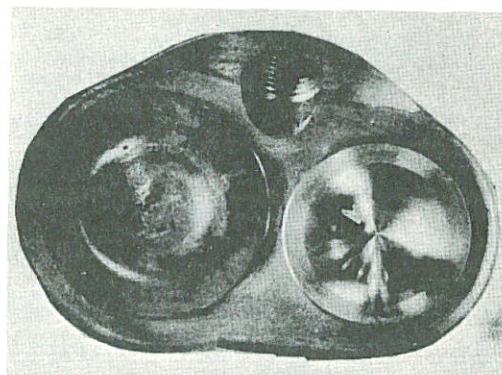
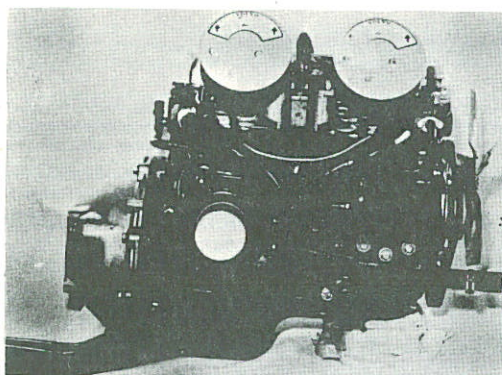
238624

ENGINE DATA TO BE ALTERED AS FOLLOWS:

COMPRESSION RATIO **11,1:1**

VOLUME OF ONE COMBUSTION CHAMBER **38,5 CM³**

	INLET	EXHAUST
VALVES OPEN	31°	73°
VALVES CLOSE	73°	31°
MAXIMUM LIFT	230°	230°
3/4 MAXIMUM	174°	174°
DIAMETER OF VALVES	42	35
DIAMETER OF PORT AT VALVE SEAT	41	34
TAPPET CLEARANCE FOR CHECKING TIME	0,4	0,4
MAXIMUM VALVE, LIFT AT VALVE PLAY=0	10,8	10,8



F.I.A. Recognition No 5314
Group 1

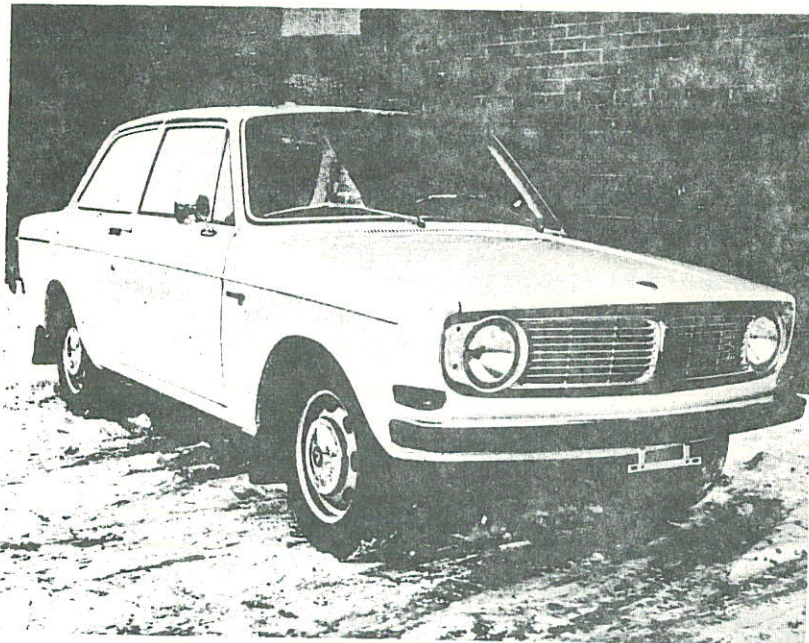
FEDERATION INTERNATIONALE DE L' AUTOMOBILE

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

Manufacturer .. AB. VOLVO Cylinder-capacity .1986....cm3...121,2...in3
Model142 S.....
Serial No of chassis .52900 Manufacturer AB. VOLVO.....
engine .1..... Manufacturer AB. VOLVO.....
Recognition is valid from...11/1/72... List ...6/1.....

The manufacturing of the model described in this recognition form was started on .15.8.19 68
and the minimum production of .5.000.... identical cars, in accordance with the specifica-
tions of this form was reached on .15.11.....19 68

Photograph A, 3/4 view of car from front



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

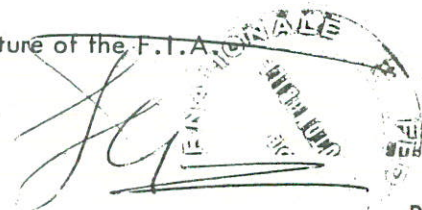
Variants

Normal evolution of the type

on 19.. rec.NoList	on 19.. rec.NoList
on 19.. rec.NoList	on 19.. rec.NoList
on 19.. rec.NoList	on 19.. rec.NoList
on 19.. rec.NoList	on 19.. rec.NoList
on 19.. rec.NoList	on 19.. rec.NoList

Stamp and signature of the
National Sporting Authority

Stamp and signature of the F.I.A.

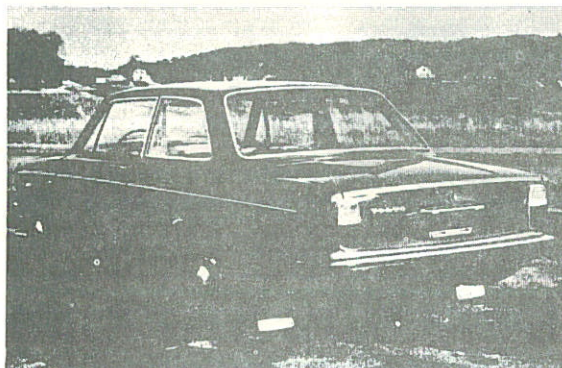


Make VOLVO

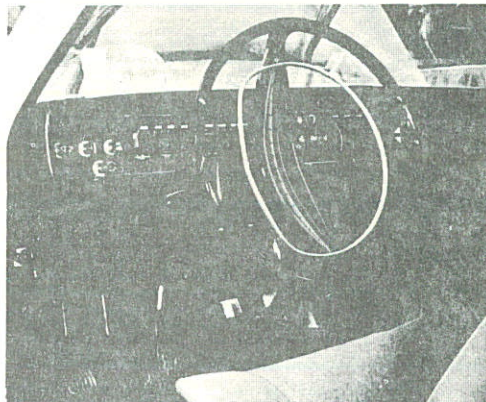
Model 142 S

F.I.A. Rec.No

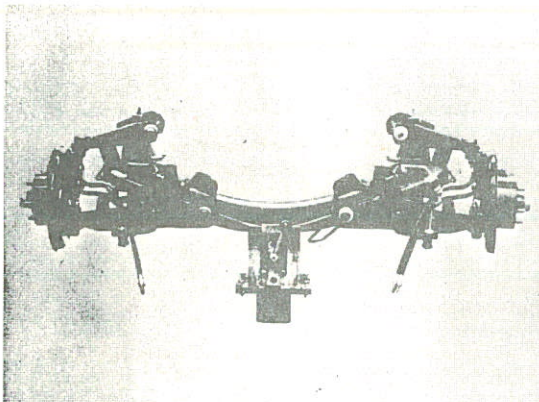
Photograph B



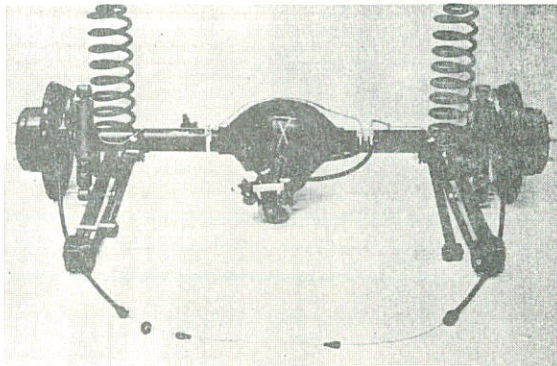
Photograph C



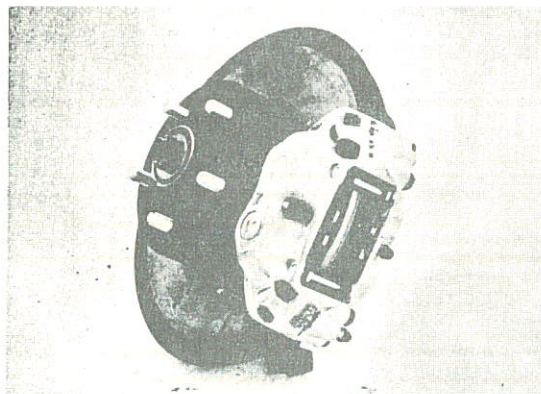
Photograph D



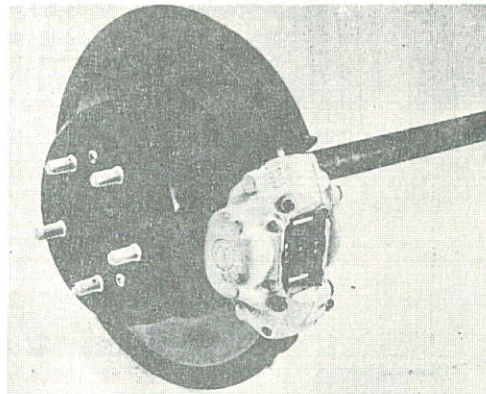
Photograph E



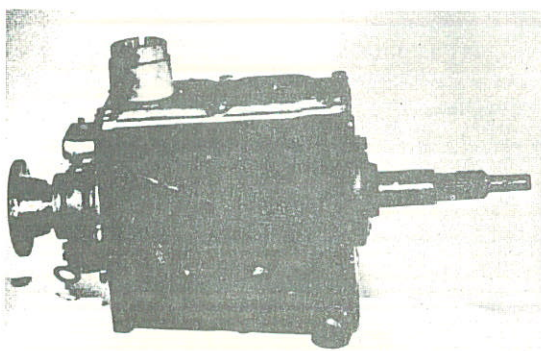
Photograph F



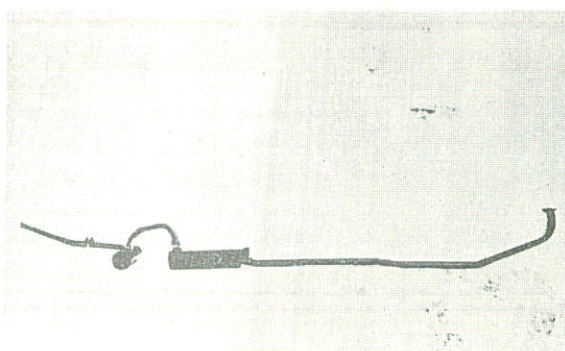
Photograph G



Photograph H



Photograph I



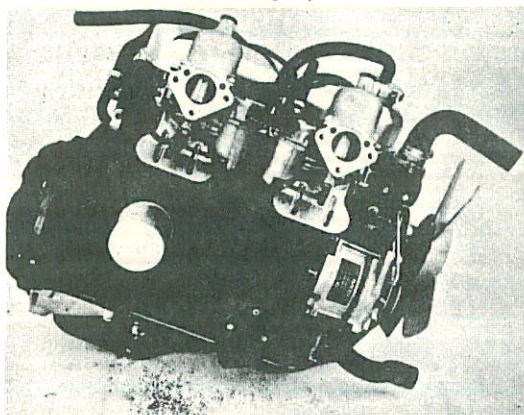
Make VOLVO

Model

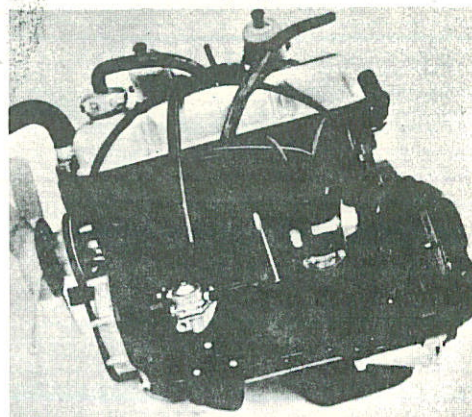
142 S

F.I.A. Rec.No

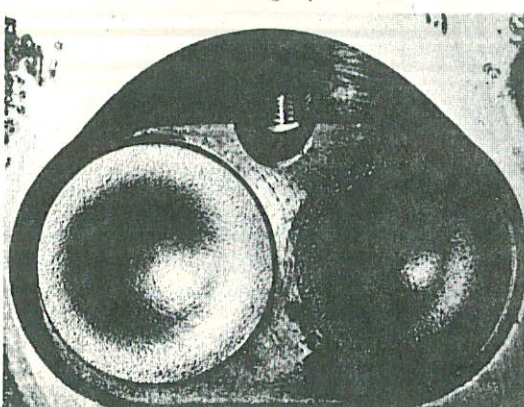
Photograph J



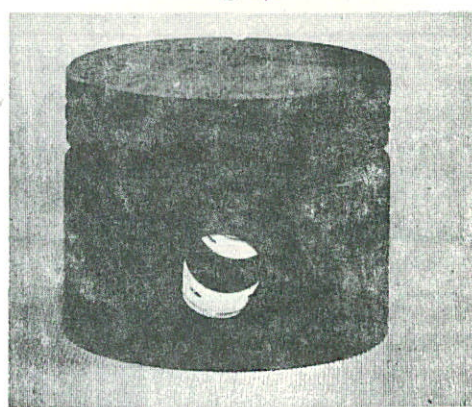
Photograph K



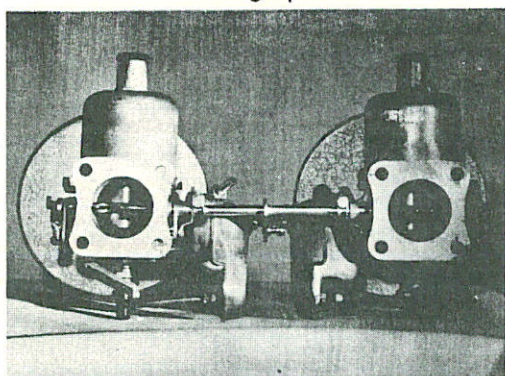
Photograph L



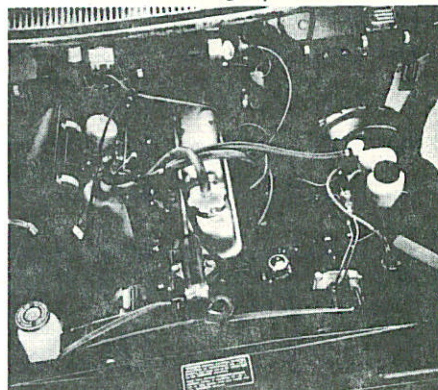
Photograph M



Photograph N



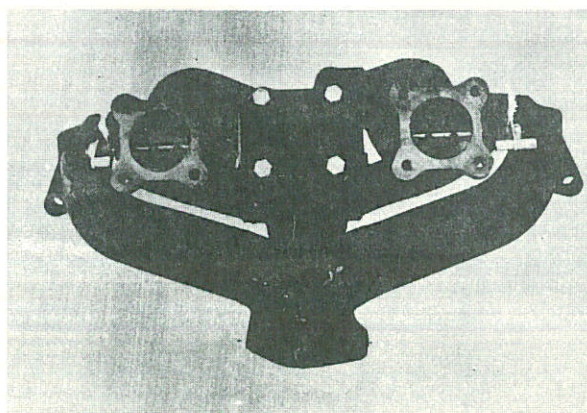
Photograph O



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.



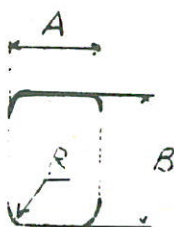
$$\phi 36 \begin{matrix} + 0,25 \\ - 0 \end{matrix}$$

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



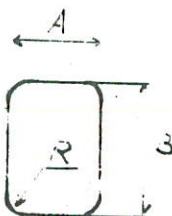
$$\phi 36 \begin{matrix} + 0,25 \\ - 0 \end{matrix}$$

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 port 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. Wheelbase 2600 mm 102 1/2 inches
2. Front track 1350 mm 53 1/8 inches *
3. Rear track 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. Capacity of fuel tank (reserve included) 58 ltrs
15 Gallon US 13 Gallon Imp.
8. Seating capacity 5
9. Weight, 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	- 0.946 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

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 (Steel)**
25. Material (s) of bonnet **SHEET METAL (Steel)**
26. Material (s) of boot lid **SHEET METAL (Steel)**
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 :

18 kg

lbs

43. Rear seats, type of seat and upholstery **BENCH, 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

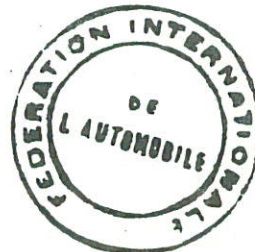
STEERING

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 TANDEM 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.	26 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.

Make VOLVO

Model 142 S

F.I.A. Rec.No

ENGINE (photographs J and K)

130. Cycle 4-STROKE
131. Number of cylinders 4
132. Cylinder arrangement IN LINE
133. Bore 88,9 - 0 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 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 0,710 kg lbs

Make VOLVO

Model 142 S

F.I.A. Rec.No

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 44 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

Make VOLVO

Model 142 S

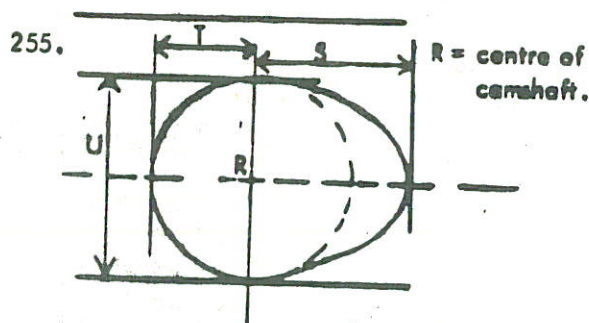
F.I.A. Rec.No

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 KGMt SAE at 3.500 rpm
 253. Maximum speed of the car km/hour miles/hour



Inlet cam			
S = 21,3	mm	0,832	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 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 21,6cm in.

264. Method of operating clutch MECHANICAL

GEAR BOX (photograph H)

270. Manual type, make VOLVO M 40

Method of operation

271. No of gear-box ratios forward 4

272. Synchronized forward ratios 4

273. Location of gear-shift CENTER 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	28:20			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 HYPLOID

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



Make VOLVO

Model 142 S

F.I.A. Rec.No

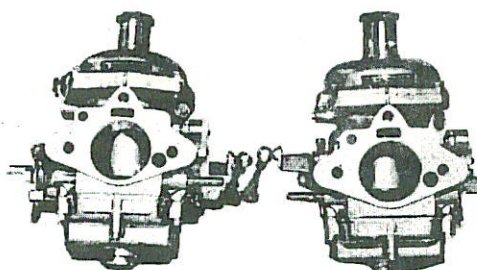
IMPORTANT - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162, 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 preceeding information. This to be stated together with reference number.

CONCERNS GROUP I ONLY

CARBURETTOR
ZENITH - STROMBERG
175 CD - 2 SE



Front 237437
Rear 237438

ELECTRICALLY OPERATED OVERDRIVE LAYCOCK TYPE "J" 254561
LIMITED SLIP DIFFERENTIAL SPICER/DANA "POWR-LOK" 384727
FINAL DRIVE RATIO 4,10:1 273126
NUMBER OF TEETH 41:10



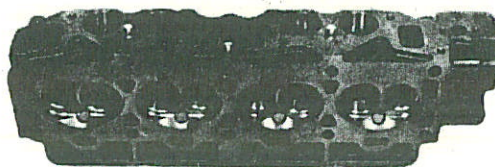
Make VOLVO

Model 142 S

F.I.A. Rec. No.

CONCERNS GROUP II

CYLINDER HEAD



419894



Page 143



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

5014/1/15
GR II

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.

1/4/70

List 70/1

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

1st of February, 1970

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

1421341052900

The
Modellen

142 S

recognized in Category
klassad i kategori

Group I

by the F.I.A. on the
av FIA den

1st of January, 1970

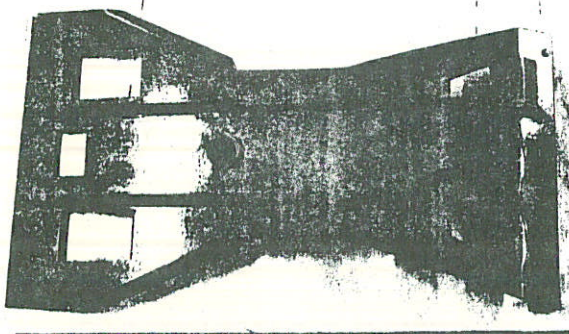
List
Lista 70/1

as a normal
som normal

development of the original vehicle type.
utveckling av vagnstypen

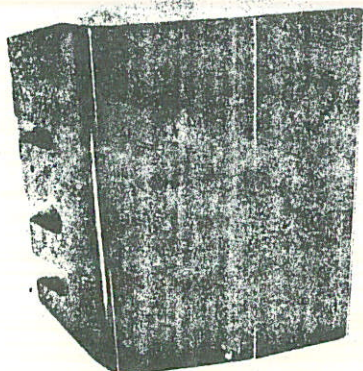
Stamp and signature of the F.I.A.
FIA:s signatur och stämpel

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



Protection plate - front, steel Part No. 552109
Skyddsplåt - främre, stål Detaljnr

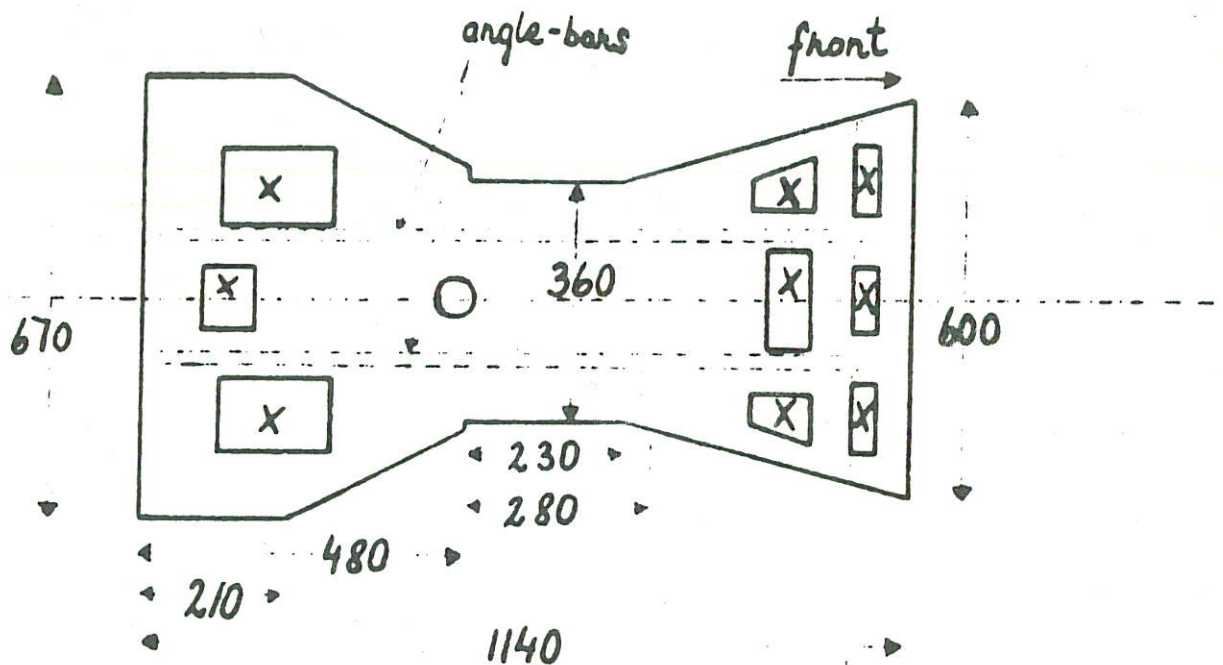
Same as above - of aluminium Part No. 552113
Som ovan - av aluminium Detaljnr



Protection plate - rear, steel Part No. 552110
Skyddsplåt - bakre, stål Detaljnr

Same as above - of aluminium Part No. 552114
Som ovan - av aluminium Detaljnr

PROTECTION PLATE, FRONT VOLVO 142 S



x = Holes cut out to reduce weight.



Two angle-bars - 25x25x4mm - welded
alongside bottom of protection plate.

Material: 4mm steel-plate.

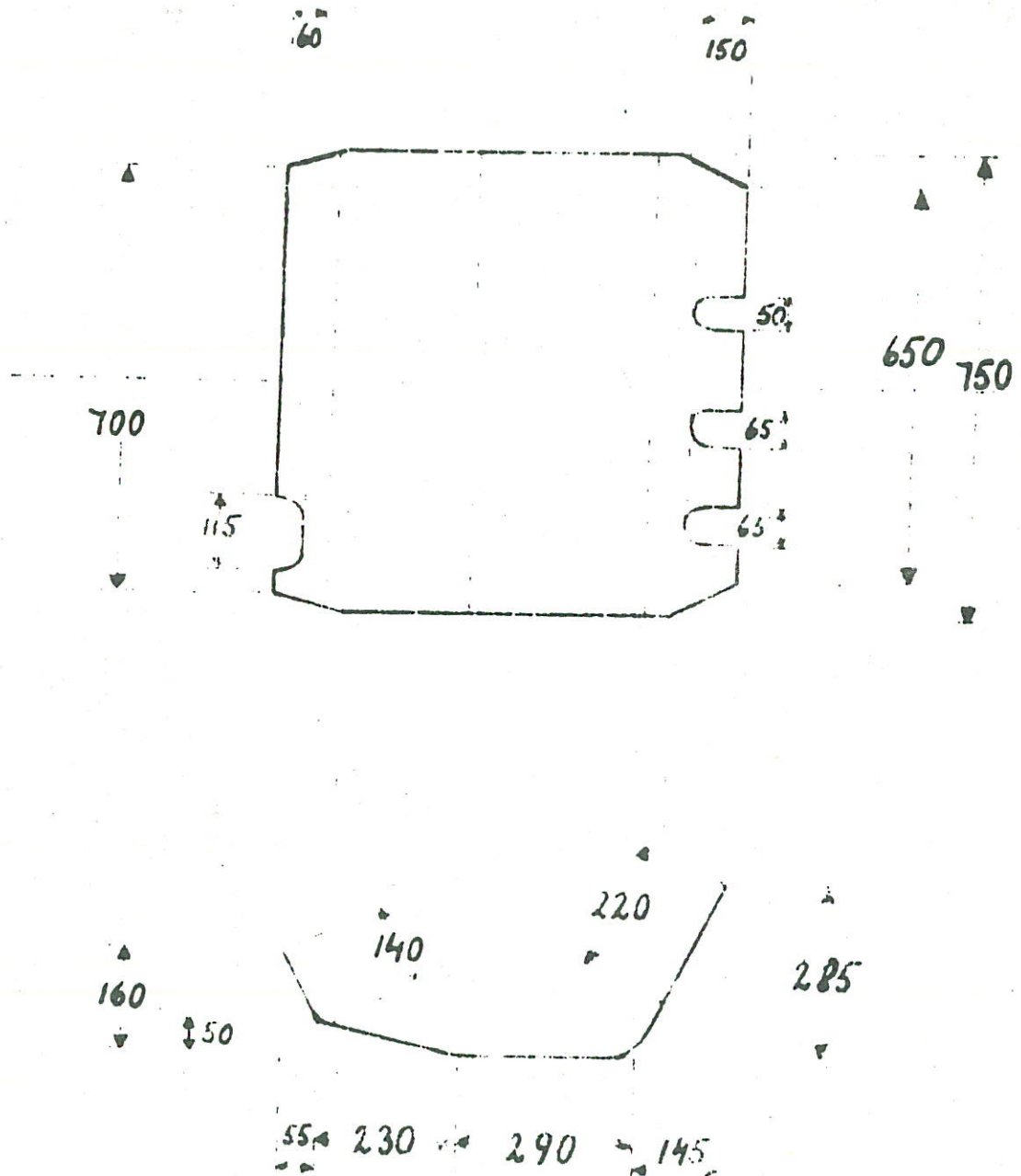
Weight: 26 1/2 kilos.

58.3 lbs.

Scale: 1:10



PROTECTION PLATE, REAR VOLVO 142 S

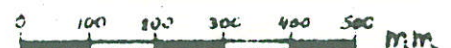


Material: 4 mm steel-plate.

Weight: 26 kilos.

57.2 lbs.

Scale: 1:10

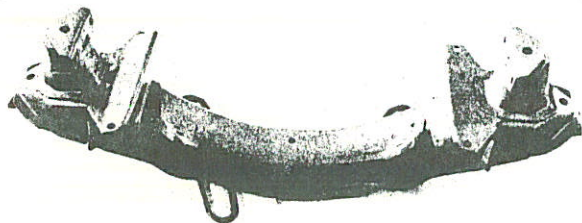
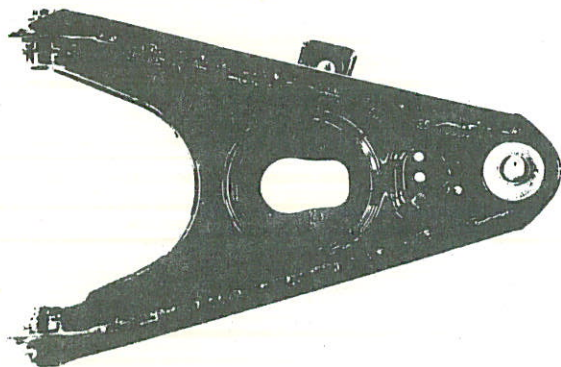


*Form of Recognition (Normal development of original vehicle type)**Identifieringskort (Normal utveckling av vagnstypen)*No.
NrMake
Märke

VOLVO

Type
Typ

VOLVO 142 S

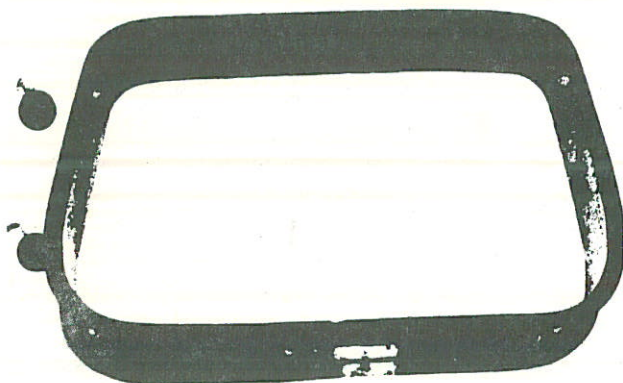
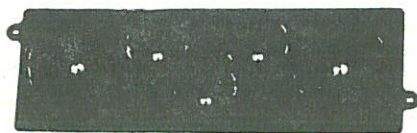
Photographic documentation
FotografierFront axle cross member
FramaxelbalkPart No. 552130
Detaljn. 552130Lower wishbone - LEFT
Nedre länkar - VÄNSTERPart No. 552131
Detaljn. 552131Same as above - RIGHT
Som ovan - HÖGERPart No. 552132
Detaljn. 552132

Stockholm den

19

KUNGL AUTOMOBIL KLUBBEN

A handwritten signature in ink, with a circular stamp partially visible behind it.

*Form of Recognition (Normal development of original vehicle type)**Identifieringskort (Normal utveckling av vagnstypen)*No.
NrMake
Märke VOLVOType
Typ VOLVO 142 SPhotographic documentation
FotografierFrame for fuel tank
Mellanluggsram för bränsletank Part No. 552221
Detaljn: 552221Instrument panel
InstrumentpanelPart No. 552701
Detaljn: 552701

Stockholm den

19

KUNGL AUTOMOBIL KLUBBEN

Form of Recognition (Normal development of original vehicle type)

Identifieringskort (Normal utveckling av vagnstypen)

No.
NrMake
Märke VOLVOType
Typ VOLVO 142 SPhotographic documentation
FotografierSafari kit
SafarisatsPart No. 552120
DetaljnrConsisting of: Plate(s) for
Bestående av: Plåt(ar) för

- | | |
|--|-----------------------------|
| 1. Side member - front LEFT
Sidobalk - främre VÄNSTER | Part No. 552121
Detaljnr |
| Same as above - RIGHT
Som ovan - HÖGER | Part No. 552122
Detaljnr |
| 2. Side member - rear LEFT
Sidobalk - främre VÄNSTER | Part No. 552123
Detaljnr |
| Same as above - rear RIGHT
Som ovan - bakre HÖGER | Part No. 552124
Detaljnr |
| 3. Inner wheel housing -
rear LEFT
Inre hjulhus - bakre VÄNSTER | Part No. 552125
Detaljnr |
| Same as above - rear RIGHT
Som ovan - bakre HÖGER | Part No. 552126
Detaljnr |
| 4. Upper attachment for rear
shockabsorbers (2)
Övre stötdämparfäste bak (2) | Part No. 552127
Detaljnr |

Stockholm den 27/1

1970

KUNGL AUTOMOBIL KLUBBEN

SVENSKA BILFÖRENINGEN

THE SWEDISH AUTOMOBILE ASSOCIATION

2

Avdelning 2 Tävlingsdetaljer
Section 2 Competition parts



Nr No	REGISTER	INDEX
0	Prislista	Price list
1	Trimningsdetaljer för B18	Tuning parts for B18
2	Trimningssett B20	Tuning kit B20
3	Motorpaket	Engine package
4	Avgassystem, P140	Exhaust system, P140
5	Kraftöverföring, P130	Power transmission, P130
6	Kraftöverföring, P140	Power transmission, P140
7	Hjulupphängning, fjädrar, bromsar, P130	Suspension, springs, brakes, P130
8	Hjulupphängning, fjädrar, bromsar, P140	Suspension, springs, brakes, P140
9	Skyddsplåtar	Protection plates
10	Förarstol	Drivers' seat
11	Instrument	Instruments
12	El-utrustning	Electrical equipment
13	Säkerhetsdetaljer	Safety parts
14	Däck	Tyres
15	Karosseriförstärkning, P140	Body reinforcement, P140
16	Plastdetaljer, P140	Plastic parts, P140
17	Förgasarsats	Carburettor kit
18	Reglagesats för SOLEX-förgasare	Control kit for SOLEX-carburettor
19	SOLEX-detalljer	SOLEX-parts
20	Jackor, tröjor, T-shirts	Jackets, sweaters, T-shirts
21	Diverse tillbehör	Various accessories

VOLVO

Competition
Service

Prod	P130, P140 TRIMNINGSDETALJER B18 TUNING PARTS B18	Avd Section	2
		Nr No	1:1
Datum Date	December 1972		

Pos	Ant Qty	Det nr Part No	Benämning	Designation
1	4	419315-7	Insugningsventil	Inlet valve
2	4	419316-5	Avgasventil	Exhaust valve
3	8	418737-3	Ventilfjäder	Valve spring
4	8	403500-2	Bricka för ventilmfjäder	Washer for valve spring
5	8	405357-5	Skyddsring	Protective ring
	16	403315-5	Ventillås (knaster)	Valve collet
	4	419378-5	Ventilstyrning, insug	Guide sleeve, inlet valve
	4	403390-8	Ventilstyrning, avgas	Guide sleeve, exhaust valve
6	1	419393-4	Cylinderlockspackning	Cylinder head gasket
	1	419658-0	Cylinderlockspackning (till motor borrarad 0,040")	Cylinder head gasket (for engine re-bored to 0,040" over- size)
7	1	419258-9	Kamaxel D	Camshaft D
8	1	419392-6	Svänghjul	Flywheel complete
9	1	419395-9	Lock för oljepump	Cover for oil pump
10	1	418693-8	Transmissionskåpa inkl packbox	Transmission casing including packing box
11	1	418668-0	Packbox för ovanstående	Packing box for above
12	1	418264-8	Nav för remskiva	Hub for belt pulley
13	1	419381-9	Avgasgrenrör	Branched exhaust manifold
14	2	237248-0	Bränslenål	Metering needle
15	2	71816-3	Fjäder för vakuumkolv (rödmärkt)	Spring for vacuum plunger
16	1	241086-8	Tändspole	Ignition coil
17	1	241612-1	Förkopplingsmotstånd	Resistance
18	4	240571-0	Tändstift Bosch W280T13S	Spark plug Bosch W280T13S
	4	238624-1	Tändstift Bosch W240T1	Spark plug Bosch W240T1

VOLVO
*Competition
Service*

Prod	P130, P140 TRIMNINGSSATS B20 TUNING KIT B20	Avd Section	2
		Nr No	2:1
Datum Date	December 1972		

Pos	Ant Qty	Det nr Part No	Benämning	Designation
		552861-7	Trimningssats B20 Steg I, kpl	Tuning kit B20 Stage I, complete
1	1	419882-6	Cylinderlock kpl	Cylinder head complete
	4	419766-1	x Insugningsventil	x Inlet valve
	4	419735-6	x Avgasventil	x Exhaust valve
	8	418737-3	x Ventilfjäder	x Valve spring
	8	419644-0	x Bricka för ventilfjäder	x Washer for valve spring
	8	419702-6	x Ventiltätning	x Valve seal
	16	419643-2	x Ventillås (knaster)	x Valve collet
	4	419652-3	x Ventilstyrning, insug	x Guide sleeve, inlet valve
	4	419653-1	x Ventilstyrning, avgas	x Guide sleeve, exhaust valve
	2	950586-8	x Cylindrisk pinne	x Cylindrical stud
2	1	419763-8	Cylinderlockspackning (tjocklek 0,8 mm)	Cylinder head gasket (thickness 0,8 mm)
3	1	460509-3	Kamaxel F	Camshaft F
	8	552844-3	Ventillyftare	Valve tappet
4	1	419883-4	Insugningsrör, främre	Inlet manifold, front
5	1	419884-2	Insugningsrör, bakre	Inlet manifold, rear
	2	422635-3	Plugg för insugningsrör	Plug for inlet manifold
	1	952075-0	Plugg för insugningsrör	Plug for inlet manifold
6	1	419381-9	Avgasgrenrör	Branched exhaust manifold
7	1	419764-6	Packning för avgasgrenrör	Gasket for exhaust manifold
8	2	237435-3	Förgasare	Carburettor
11	1	684899-8	Axel för gasreglage, övre	Upper shaft, complete, for throttle control
	1	460039-1	Konsol för gasreglage	Bracket for throttle control
	2	955512-9	Skruv	Screw
	8	953461-1	Pinnskruv	Stud bolt
	8	955826-3	Mutter	Nut
	16	941907-8	Bricka	Washer
	8	955847-9	Mutter	Nut
9	4	824643-1	Mellanfläns för förgasare	Rubber flange for carburettor
10	8	819769-1	Packning för förgasare	Gasket for carburettor
	1	686057-1	Mellanaxel	Intermediary shaft

VOLVO

Competition Service

Avd
Section

2

Nr
No

2:2

Pos	Ant Qty	Det nr Part No	Benämning	Designation
	1	943936-5	Reglagestång	Control rod
12	4	824708-2	Luftintag	Air intake
13	1	684036-7	Luftrenare kpl	Air cleaner complete
	1	552620-7	x Luftfilter	x Air cleaner insert
	2	552621-5	x Mutter	x Nut
	2	552622-3	x Bricka	x Washer
14	2	419906-3	Packning	Gasket
	8	953032-0	Pinnskruv	Stud bolt
	8	10591-6	Mutter	Nut
	1	668558-0	Medbringare, främre	Lever, front
	1	668559-8	Medbringare, bakre	Lever, rear
	1	959088-6	Kulskål	Ball socket
	1	942837-6	Kulskål	Ball socket
	1	955780-2	Mutter	Nut
	1	942836-8	Mutter	Nut
15	1	460047-4	Stag för luftfilter	Stay for air cleaner
	1	940097-9	Bricka	Washer
	1	960142-8	Bricka	Washer
	1	955536-8	Skruv	Screw
	1	950354-1	Mutter	Nut
16	1	831092-2	Bränslepump	Fuel pump
	1	943818-5	Nippel för bränslepump	Nipple for fuel pump
17	1	825856-8	Bränsleslang	Fuel hose
	2	825857-6	Hålskruv för bränsleslang	Banjo screw for fuel hose
	4	957173-8	Packning för hålskruv	Gasket for banjo screw
	2	825858-4	Sil för bränsleslang	Strainer for fuel hose
18	1	241086-8	Tändspole	Ignition coil
	1	241612-1	Förkopplingsmotstånd	Resistance
19	4	238624-1	Tändstift Bosch W240T1	Spark plug Bosch W240T1
20	1	418693-8	Transmissionskåpa inkl packbox	Transmission casing including packing box
21	1	418264-8	Nav för remskiva	Hub for belt pulley
22	1	419392-6	Svänghjul	Flywheel complete
23	1	418433-9	Oljekylare	Oil cooler
	1	925255-2	O-ring	O-ring
	1	191701-2	Mutter	Nut

VOLVO Competition Service		Avd Section 2	Nr No 2:3
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Pos	Ant Qty	Det nr Part No	Benämning	Designation
	1	952069-3	Propp	Plug
24	1	418651-6	Kylvattenrör	Water pipe
	2	418445-3	Packning	Gasket
	2	940100-1	Skruv	Screw
	2	955512-9	Skruv	Screw
	1	418601-1	Nippel	Nipple
25	1	676558-0	Expansionstank	Expansion tank
26	1	673336-4	Trycklock	Pressure cap
27	1	671840-7	Kylarslang, nedre	Lower radiator hose
	1	951789-7	Slangklammer	Hose clip
	1	460464-1	Vattenrör	Water inlet pipe
	1	552551-4	T-rör för vevhusventilation	T-union for crankcase ventilation

Ovanstående trimningssats uppfyller Europaanormerna (krav på avgasrening) gällande från och med 1971 års modell.
Om vagntyp och chassinummer uppges erhålls kostnadsfritt det intyg som skall uppvisas vid kontrollbesiktning hos Svensk Bilprovning. OBS! Intyg lämnas endast vid köp av komplett sats.

Above tuning kit fulfils the European exhaust regulations applying from 1971 year model.

För extremare trimning

For more extreme tuning

1	552863-3	Trimningssats B20 Steg II kpl	Tuning kit B20 Stage II complete
		ANM Ingående detaljer är samma som för Steg I (552861-7) med undantag av:	N.B. Same components as for Stage I (552861-7) with the exception of:
1	552842-7	Cylinderlock Steg II	Cylinder head Stage II
8	552841-9	Lättade ventillyftare	Lightened valve tappet
1	824855-1	Cylinderlockspackning (tjocklek 1,2 mm)	Cylinder head gasket (thickness 1,2 mm)
10	942058-9	Härdad bricka för cylinderlocks-bult	Hardened washer for cylinder head bolt
4	240571-0	Tändstift Bosch W280T13S	Spark plug Bosch W280T13S

VOLVO Competition Service	Avd Section 2	Nr No 2:4
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Pos	Ant Qty	Det nr Part No	Benämning	Designation
			Dessutom finns (ingår ej i trimningssatsen):	Other parts (not included in the tuning kit):
1		460911-1	Kamaxel R	Camshaft R
1		552840-1	Svänghjul av Aluminium kpl Vikt: 3,5 kg	Flywheel of aluminium complete Weight: 3.5 kg
6		944741-8	x Bult	x Bolt
6		942336-9	x Bricka	x Washer
1		418930-4	Koppling	Clutch
1		380569-4	Urtrampningslager	Clutch throw-out bearing
1		418871-0	Lamell	Disc

VOLVO*Competition
Service*

Prod	P130, P140 MOTORPAKET ENGINE PACKETS	Avd	2
		Section	
Datum	Date	Nr	3
		No	
December 1972			

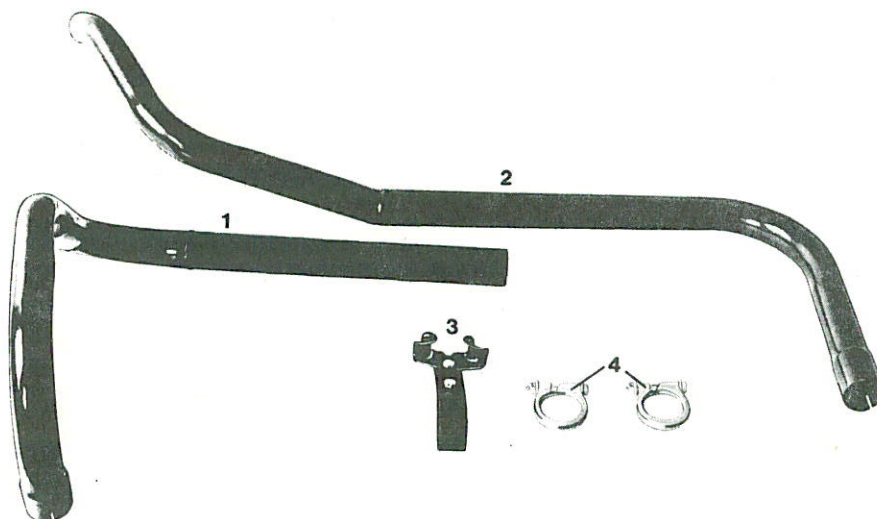
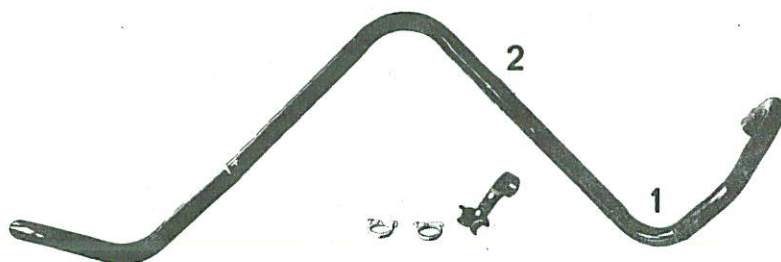
Det nr Benämning
Part No

Designation

	Motorpaket, uppbyggda på begagnade men helt felfria B20 motorblock	Engine package, built up on used - but completely faultless B20 engine blocks.
552871-6	Steg I - paket för vänsterstyrd bil	Stage I - package for LHD car
552872-4	Steg II - paket för vänsterstyrd bil	Stage II - package for LHD car
552873-2	Steg I - paket för högerstyrd bil	Stage I - package for RHD car
552874-0	Steg II - paket för högerstyrd bil	Stage II - package for RHD car
	Enheterna är kompletta med trimningssats, förstärkt koppling. Dessutom medföljer startmotor, generator, fördelare etc.	The units are complete with tuning kit, reinforced clutch. Starter motor, distributor etc are included.
	Steg I = 140 hk	Stage I = 140 hp
	Steg II = ca 160 hk	Stage II = approx 160 hp

VOLVO*Competition
Service*

Prod	P140 AVGASSYSTEM EXHAUST SYSTEM	Avd Section	2
		Nr No	4
Datum Date	December 1972		



Pos	Ant Qty	Det nr Part No	Benämning	Designation
		552211-5	Avgassystem kpl (1 3/4")	Exhaust system complete (1 3/4)
1	1	552212-3	x Rör över bakaxel	x Pipe over rear axle
2	1	552213-1	x Ändrör	x Tail pipe
3	1	552214-9	x Konsol med klammer	x Bracket with clamp
4	2	552208-1	x Klammer med skruv	x Clamp with bolt

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*Competition
Service*

Prod P130 KRAFTÖVERFÖRING POWER TRANSMISSION	Avd Section 2
	Nr No 5
Datum Date December 1972	

Ant Qty	Det nr Part No	Benämning	Designation
1	384479-2	Anti-Spin M30 (Powr-Lok)	Anti-Spin M30 (Limited slip differential)
1	500984-0	Drevsats 4.88:1, M27	Gear set 4.88:1, M27
1	525880-1	Drevsats 4.88:1, M30	Gear set 4.88:1, M30
		<u>Ombyggnadsdetaljer</u>	<u>Conversion parts</u>
		För ombyggnad av nållagrad standardväxellåda, M40, till tätstegad växellåda	For conversion of needle-bearing standard gearbox, M40, to close-range gearbox
1	380422-6	Bottendrev	Gear cluster
1	380423-4	3:ans drev	3rd speed gear
1	380382-2	Ingående axel	Input shaft
För konvertering av standardväxellåda till nållagrad standardväxellåda erfordras följande detaljer, som tillhandahålls av återförsäljare:			
For conversion of standard gearbox to a needle-bearing standard gearbox, the following parts, which are supplied by the dealer, are required:			
1	380217-0	1:ans drev	1st speed gear
1	380218-8	2:ans drev	2nd speed gear
2	181330-2	Nållager	Needle bearing
1	181331-0	Nållager	Needle bearing

VOLVO

*Competition
Service*

Prod P140 KRAFTÖVERFÖRING POWER TRANSMISSION	Avd Section 2
	Nr No 6:1
Datum Date December 1972	

Ant Qty	Det nr Part No	Benämning	Designation
1	254670-3	Tätstegad växellåda med remote control *) (ombyggd nållagrad standard-växellåda, M40)	Close-range gearbox with remote control *) (converted needle-bearing standard gearbox, M40)
1	538445-8	Bakaxel M30, 4.88:1, Anti-Spin (årsmodell 67-69)	Rear axle M30, 4.88:1, Anti-Spin (year model 67-69)
1	384498-2	Anti-Spin M30 (Powr-Lok) (årsmodell 67-69)	Anti-Spin M30 (Limited slip differential) year model 67-69
1	384727-4	Anti-Spin M30 (Powr-Lok) (från -70)	Anti-Spin M30 (Limited slip differential) from model -70
1	525880-1	Drevsats 4.88:1, M30	Gear set 4.88:1, M30
1	552156-2	Motorbalk, bakre	Engine cross-member, rear
1	552158-8	Mellanlagerupphängning *) Remote control kan demonteras	Intermediate bearing suspension *) Remote control can be removed
<u>Ombyggnadsdetaljer A</u>			<u>Conversion parts A</u>
För ombyggnad av nållagrad standardväxellåda, M40, till tätstegad växellåda t.o.m. -70 års modell			For conversion of needle-bearing standard gearbox, M40, to close-range gearbox up to -70 year model
1	380422-6	Bottendrev	Gear cluster
1	380423-4	3:ans drev	3rd speed gear
1	380382-2	Ingående axel	Input shaft
<u>Ombyggnadsdetaljer B</u>			<u>Conversion parts B</u>
För ombyggnad av nållagrad standardväxellåda, M40, till tätstegad växellåda fr.o.m. -71 års modell			For conversion of needle-bearing standard gearbox, M40, to close-range gearbox from -71 year model
1	380824-3	Bottendrev	Gear cluster
1	380423-4	3:ans drev	3rd speed gear
1	380382-2	Ingående axel	Input shaft

VOLVO Competition Service		Avd Section 2	Nr No 6:2
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Ant Qty	Det nr Part No	Benämning	Designation
		För konvertering av standard- växellåda till nållagrad standardväxellåda erfordras följande detaljer som till- handahålls av återförsäljare:	For conversion of standard gearbox to <u>needle-bearing</u> standard gearbox the following parts, supplied by the dealer, are required:
1	380217-0	1:ans drev	1st speed gear
1	380218-8	2:ans drev	2nd speed gear
2	181330-2	Nållager	Needle bearing
1	181331-0	Nållager	Needle bearing

Ombyggnadsdetaljer C

(Se även avd 2 nr 11:2)

Reduceringsdrev för att
hastighetsmätaren ska visa
rätt med bakaxelutväxling
4.88:1. Passar växellåda
254670-3.

1	380789-8	Drev, större för utgående axel
1	380305-3	Drev, mindre (plast)

Conversion parts C

(See also section 2 No 11:2)

Reduction gear to give correct
speedometer indication with
rear axle ratio 4.88:1. Suits
gearbox 254670-3.

		Gear, large for output shaft
		Drive gear, small (plastic)

VOLVO

*Competition
Service*

Prod P130		Avd Section 2	
HJULUPPHÄNGNING, FJÄDRAR, BROMSAR - WHEEL SUS- PENSION, SPRINGS, BRAKES		Nr No 7	
Datum Date		December 1972	

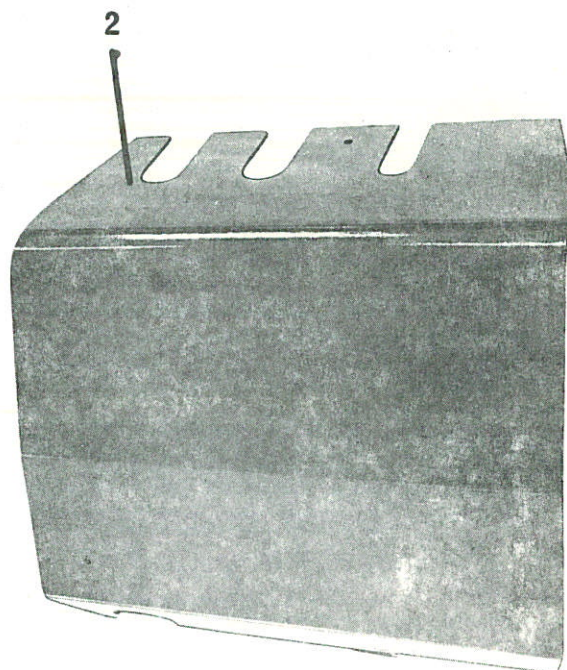
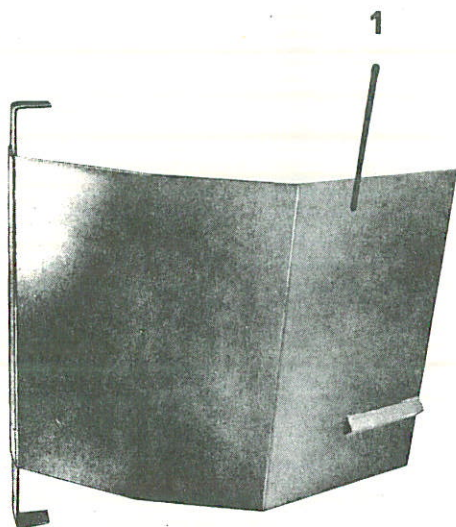
Ant Qty	Det nr Part No	Benämning	Designation
2	525060-0	Framfjäder, progressiv	Progressive spring, front
2	525061-8	Bakfjäder, progressiv	Progressive spring, rear
2	552101-8	Stötdämpare, fram	Shock absorber, front
2	552102-6	Stötdämpare, bak	Shock absorber, rear
1	552501-9	Bromsklotssats special, fram *)	Brake pad kit special, front *)
1	275894-4	Bromsklotssats special, fram **)	Brake pad kit special, front **)
1	552502-7	Bromsbandsats special, bak	Brake lining special, rear
1	659866-8	Krängningshämmare Ø 24 mm	Stabilizer Ø 24 mm
2	659869-2	Gummibussning för krängnings- hämmare	Rubber bushing for stabilizer
	*)	T.o.m. chassinr 312499	*) Up to chassis No 312499
	**)	Fr.o.m. chassinr 312500	**) From chassis No 312500

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*Competition
Service*

Prod	P140, P164 HJULUPPHÄNGNING, FJÄDRAR, BROMSAR - WHEEL SUS- PENSION, SPRINGS, BRAKES	Avd	
		Section	2
Datum	December 1972	Nr	
		No	8:1

Ant Qty	Det nr Part No	Benämning	Designation
2	552105-9	Progressiv framfjäder, P140	Progressive spring, front, P140
2	552106-7	Progressiv framfjäder, P140 hårdare	Progressive spring, front, P140 harder
2	552135-6	Progressiv framfjäder, P164	Progressive spring, front, P164
1	552137-2	Kpl fjäderpaket, bak	Complete spring packet, rear
1	552136-4	x Fjäder, progressiv	x Spring, progressive
1	552151-3	x Nedre bricka	x Lower washer
2	552152-1	x Övre bricka	x Upper washer
1	660108-2	x Fångband	x Damper band
2	940162-1	x Bult	x Bolt
2	679655-1	Kompletteringsgummi för bak- fjäder (årsmodell 67-70)	Supplementary rubber bumpers for rear spring (year model 67-70)
2	684873-3	Kompletteringsgummi för bak- fjäder (från -71)	Supplementary rubber bumpers for rear spring (from -71)
2	552140-6	Hårdare gummbussning för bärramar-bakaxel	Harder rubber bushing for support arms-rear suspension
2	552191-9	Stötdämpare, fram (deCarbon)	Shock absorber, front (deCarbon)
2	552192-7	Stötdämpare, bak (deCarbon)	Shock absorber, rear (deCarbon)
1	275894-4	Bromsklotssats, fram (Girling)	Brake pad kit, front (Girling)
1	275895-1	Bromsklotssats, bak (Girling)	Brake pad kit, rear (Girling)
1	272530-7	Bromsklotssats, fram (ATE)	Brake pad kit, front (ATE)
1	272531-5	Bromsklotssats, bak (ATE)	Brake pad kit, rear (ATE)
1	272534-9	Bromsklotssats, fram (Girling)	Brake pad kit, front (Girling)
1	272535-6	Bromsklotssats, bak (Girling)	Brake pad kit, rear (Girling)
1	552130-7	Framaxelbalk	Front axle cross-member
1	552131-5	Nedre länkmarm, vänster	Lower wishbone, left
1	552132-3	Nedre länkmarm, höger	Lower wishbone, right
1	552170-3	Krängningsdämpare Ø 18 mm (årsmodell 67-70)	Stabilizer Ø 18 mm (year model 67-70)
1	552171-1	Krängningsdämpare Ø 18 mm (från -71)	Stabilizer Ø 18 mm (from -71)
1	552172-9	Krängningsdämpare Ø 20 mm (från -71)	Stabilizer Ø 20 mm (from -71)
2	552173-7	Gummbussning för 552172-9	Rubber bushing for 552173-9



Pos	Ant Qty	Det nr Part No	Benämning	Designation
1	1	552108-3	Skyddsplåt bakre, STÅL, P130 Vikt: 18 kg	Protection plate rear, STEEL, P130 Weight: 18 kilos
1	1	552112-5	Skyddsplåt bakre, ALUMINIUM, P130 Vikt: 11 kg	Protection plate rear, ALUMINIUM, P130 Weight: 11 kilos
2	1	552110-9	Skyddsplåt bakre, STÅL, P140 Vikt: 15 kg	Protection plate rear, STEEL, P140 Weight: 15 kilos
2	1	552114-1	Skyddsplåt bakre, ALUMINIUM, P140 Vikt: 8 kg	Protection plate rear, ALUMINIUM, P140 Weight: 8 kilos
	1	552117-4	Skyddsplåt bakre, ALUMINIUM, P140 Grand Luxe Vikt: 13 kg	Protection plate rear, ALUMINIUM, P140 Grand Luxe Weight: 13 kilos

OBS! Se även avd 2 nr 15:2
"Mellanläggsram"

NOTE! See also section 2 No 15:2
"Spacer frame"

VOLVO

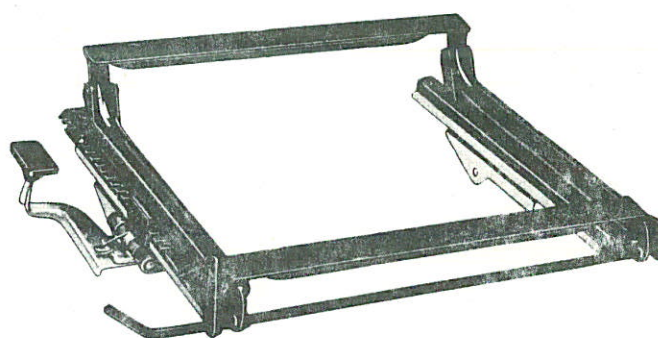


*Competition
Service*

Prod	P130, P140	Avd Section	2
FÖRARSTOL		Nr No	10
DRIVERS' SEAT			
Datum Date	December 1972		

Ant Det nr Benämning
Qty Part No

Designation



1 552301-4 Skålad förarstol

Dished drivers' seat

1 552303-0 Underrede till förarstol, P140

Base for drivers' seat, P140



1 552305-5 Förarstol RECARO, endast P140

Drivers' seat RECARO, only P140

VOLVO

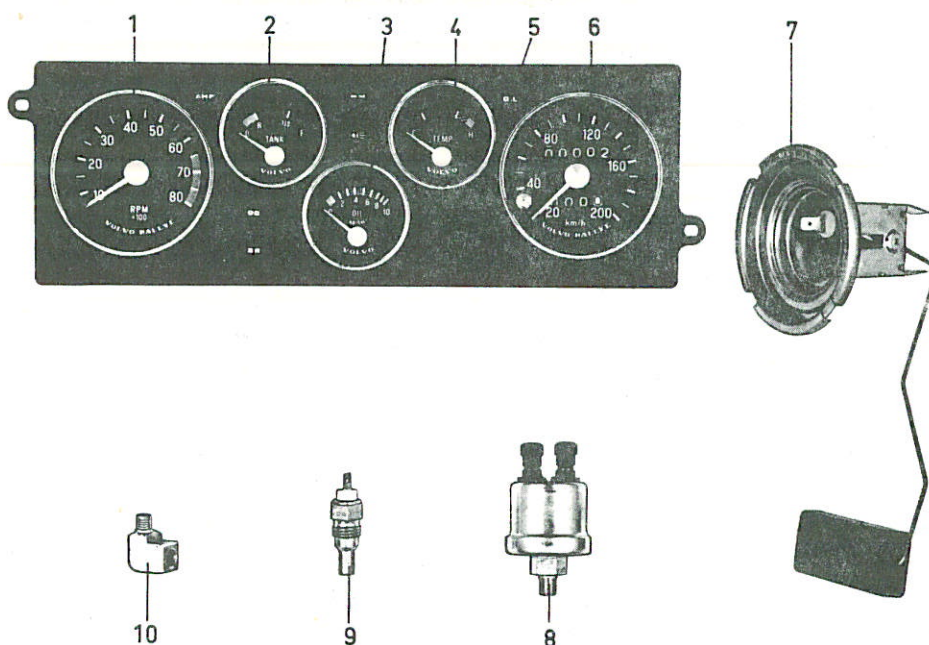


Competition
Service

Prod	P140, P164	Avd Section	2
INSTRUMENT INSTRUMENTS		Nr No	11:1
Datum Date	December 1972		

RALLY INSTRUMENTPANEL

RALLY INSTRUMENT PANEL



Pos	Ant Qty	Det nr Part No	Benämning	Designation
	1	552701-5	Instrumentpanel kpl, P140 km/tim (årsmodell 67-70)	Instrument panel complete, P140 km.p.h. (year model 67-70)
	1	552721-3	Instrumentpanel kpl, P140 km/tim (årsmodell 71-72)	Instrument panel complete, P140 km.p.h. (year model 71-72)
	1	552703-1		Instrument panel complete, P140 miles p.h. (year model 67-70)
	1	552723-9		Instrument panel complete, P140 miles p.h. (year model 71-72)
	1	552731-2	Instrumentpanel kpl, P140 km/tim (årsmodell 67-70) för utväxling 4.88:1	Instrument panel complete, P140 km.p.h. (year model 67-70) for rear axle ratio 4.88:1
	1	552733-8	Instrumentpanel kpl, P140 km/tim (årsmodell 71-72) för utväxling 4.88:1	Instrument panel complete, P140 km.p.h. (year model 71-72) for rear axle ratio 4.88:1
	1	552732-0		Instrument panel complete, P140 miles p.h. (year model 67-70) for rear axle ratio 4.88:1
	1	552734-6		Instrument panel complete, P140 miles p.h. (year model 71-72) for rear axle ratio 4.88:1

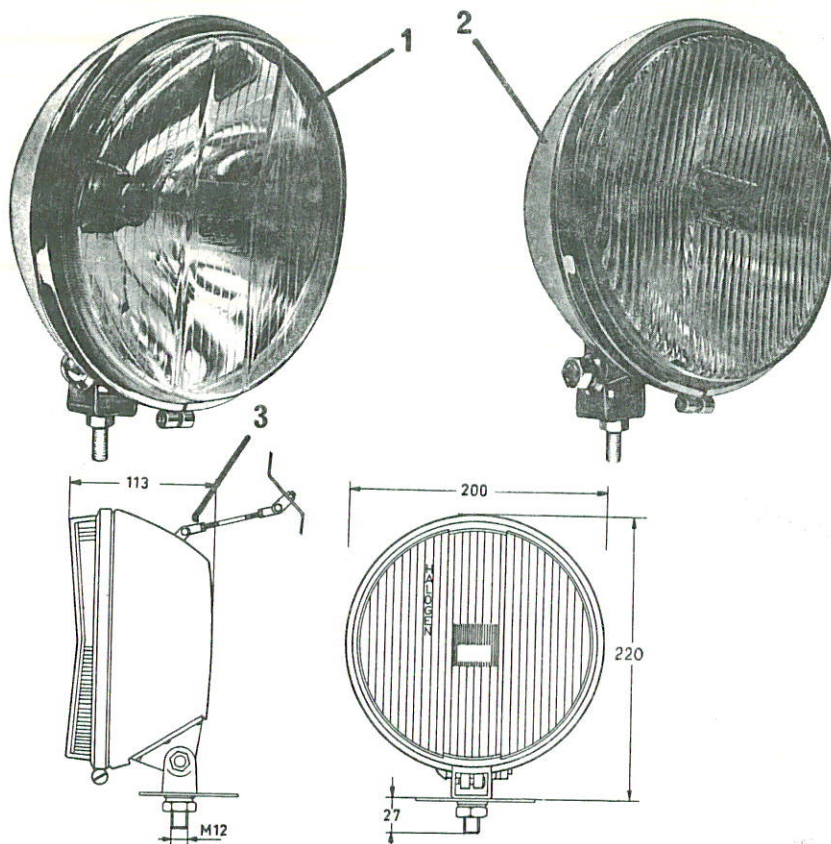
Pos	Ant Qty	Det nr Part No	Benämning	Designation
	1	552702-3	Instrumentpanel kpl, P164 km/tim (årsmodell 67-70)	Instrument panel complete, P164 km.p.h. (year model 67-70)
	1	552722-1	Instrumentpanel kpl, P164 km/tim (årsmodell 71-72)	Instrument panel complete, P164 km.p.h. (year model 71-72)
	1	552704-9		Instrument panel complete, P164 miles p.h. (year model 67-70)
	1	552724-7		Instrument panel complete, P164 miles p.h. (year model 71-72)
1	1	552705-6	x Varvräknare, P140	x Revolution counter, P140
1	1	552706-4	x Varvräknare, P164	x Revolution counter, P164
2	1	552709-8	x Bränslemätare	x Fuel guage
3	1	552710-6	x Oljetrycksmätare, kp/cm ²	x Oil pressure guage, kp/cm ²
3	1	552717-1		x Oil pressure guage, lb/sq.in.
4	1	552708-0	x Temperaturmätare	x Temperature guage
5	1	552711-4	x Reostat för instrument- belysning	x Rheostat for instrument panel lighting
6	1	552707-2	x Hastighetsmätare, km/tim	x Speedometer, km.p.h.
6	1	552715-5		x Speedometer, miles p.h.
	1	552718-9	Hastighetsmätare för utväxling 4.88:1	Speedometer for rear axle ratio 4.88:1
7	1	552712-2	x Tankarmatur (årsmodell 67- 70)	x Tank level unit (year model 67- 70)
7	1	552716-3	x Tankarmatur (årsmodell 71- 72)	x Tank level unit (year model 71- 72)
8	1	552714-8	x Givare för oljetrycksmätare och kontrollampa	x Sender for oil pressure guage and warning light
9	1	552713-0	x Temperaturgivare	x Sender for temperature guage
10	1	16218-0	x Vinkelkoppling för olje- trycksgivare	x Angle coupling for oil pressure sender
	1	552725-4	x Kontrollampa för handbroms och fotbroms (modell 67-72)	x Warning light, parking brake and service brake circuits (model 67-72)
1	1	552726-2	x Kontrollampa för helljus (modell 67-72)	x Warning light, mainbeams (model 67-72)
	1	552727-0	x Kontrollampa för laddning (modell 67-72)	x Warning light, battery charging (model 67-72)
	1	552728-8	x Kontrollampa för oljetryck (modell 67-72)	x Warning light, oil pressure (model 67-72)
	1	552729-6	x Kontrollampa för körrikt- ningsvisare (modell 67-72)	x Warning light, turn indicators (model 67-72)
	1	552730-4	x Kontrollampa för överväxel (modell 67-72)	x Warning light, overdrive (model 67-72)

VOLVO



Competition
Service

Prod	P130, P140, P164	Avd Section	2
EL-UTRUSTNING		Nr No	12:1
ELECTRICAL EQUIPMENT			
Datum Date	December 1972		



Pos	Ant Qty	Det nr Part No	Benämning	Designation
1	1	552026-7	Fjärrstrålkastare BOSCH 180 KNICK utan glödlampa (diameter 180 mm)	Spotlight BOSCH 180 KNICK without bulb (diameter 180 mm)
2	1	552027-5	Kurvstrålkastare BOSCH 180 KNICK utan glödlampa (diameter 180 mm)	Foglight BOSCH 180 KNICK without bulb (diameter 180)
	1	277751-4	Glödlampa Jod 55W	Bulb halogen 55W
	1	552030-9	Glödlampa Jod 100W	Bulb halogen 100W
3	1	552031-7	Justerstag för extrastrål- kastare	Adjusting stay for extra lights

VOLVO*Competition
Service*

Prod P130, P140

SÄKERHETSDetaljer

SAFETY PARTS

Avd
Section 2Nr
No 13Datum
Date December 1972

Pos	Ant Qty	Det nr Part No	Benämning	Designation
1	1	552161-2	Skyddsbåge, P130	Roll bar, P130
2	1	552160-4	Skyddsbåge, P142	Roll bar, P142
3	1	552163-8	Stötningsset för 552160-4	Stay kit for pos 552160-4
	1	552162-0	Skyddsbåge, P144	Roll bar, P144

VOLVO

Competition
Service

Prod	P140	Avd	2
		Section	
KAROSSERIFÖRSTÄRKNING		Nr	15:1
BODY REINFORCING		No	
Datum	December 1972		
Date			

Ant Qty	Det nr Part No	Benämning	Designation
1	552120-8	Förstärkningssats SAFARI kpl (årsmodell 67-70)	Reinforcement kit SAFARI complete (year model 67-70)
1	552121-6	x Sidobalk VF	x Side member, front-left
1	552122-4	x Sidobalk HF	x Side member, front-right
1	552123-2	x Sidobalk VB	x Side member, rear-left
1	552124-0	x Sidobalk HB	x Side member, rear-right
1	552125-7	x Inre hjulhus VB	x Inner wheel housing, rear-left
1	552126-5	x Inre hjulhus HB	x Inner wheel housing, rear-right
2	552127-3	x Förstärkningsplåt för övre, bakre stötdämparfäste	x Reinforcement plate for upper, rear shock absorber anchorage
	552180-2	Förstärkningssats SAFARI kpl (från -71)	Reinforcement kit SAFARI complete (from -71)
1	552121-6	x Sidobalk VF	x Side member, front-left
1	552122-4	x Sidobalk HF	x Side member, front-right
1	552181-0	x Sidobalk VB	x Side member, rear-left
1	552182-8	x Sidobalk HB	x Side member, rear-right
1	552183-6	x Inre hjulhus VB	x Inner wheel housing, rear-left
1	552184-4	x Inre hjulhus HB	x Inner wheel housing, rear-right
2	552127-3	x Förstärkningsplåt för övre, bakre stötdämparfäste	x Reinforcement plate for upper, rear shock absorber anchorage

VOLVO Competition Service	Avd Section 2	Nr No 15:2
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Ant Qty	Det nr Part No	Benämning	Designation
1	552221-4	Mellanläggsram för tank	Spacer frame for tank
2	552142-2	Förstärkningsplåt för bärarms- lagring	Reinforcement plate for support arm journalling

VOLVO*Competition
Service*

Prod P140 PLASTDETALJER PLASTIC PARTS	Avd Section	2
	Nr No	16
Datum Date December 1972		

Ant Qty	Det nr Part No	Benämning	Designation
1	552901-1	Framskärm, vänster	Front mudguard, left
1	552902-9	Framskärm, höger	Front mudguard, right
1	552903-7	Motorhuv	Bonnet
1	552904-5	Baklucka	Luggage compartment lid
1	552905-2	Bakruta	Rear window
2	552906-0	Fjäder för motorhuv	Spring for bonnet

Framskärmar, motorhuv samt
baklucka är tillverkade av
glasfiberarmerad plast medan
bakrutan är av plast

Front mudguards, bonnet and
luggage compartment lid are
made of glassfibre reinforced
plastic while the rear window
is of plastic

Karosseridetaljerna levereras
grundlackerade

The body parts are delivered
painted with primary

- OBS!
1. Ovanstående detaljer säljs endast till tävlingsförare. Prisuppgifter lämnas genom Volvo Competition Service.
 2. Enligt svenska trafikbestämmelser får ej plastrutor användas på registrerade bilar fr.o.m. 1969 års modell.
 3. Enbart framskärmar i plast får användas efter 1.1.1972 i enlighet med FIA:s bestämmelser.

- NOTE!
1. Only plastic front mudguards will be used from 1.1.1972 for according to the regulations of the FIA.
 2. The above parts are sold only to competition drivers. For information on prices, contact Volvo Competition Service.

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Prod FÖRGASARSATS CARBURETTOR KIT	Avd Section	2
	Nr No	17:1
Datum Date December 1972		

FÖRGASARSATS INKL REGLAGE FÖR B20 TRIMNINGSSATS.
(reglagen gäller t.o.m -72 års modell)

CARBURETTOR KIT INCL CONTROLS FOR B20 TUNING KIT
(the controls are valid up to -72 year model)

Ant Qty	Det nr Part No	Benämning	Designation
	552610-8	Förgasarsats kpl	Carburettor kit complete
2	237435-3	x Förgasare	x Carburettor
1	419764-6	x Packning för avgasgrenrör	x Gasket for exhaust manifold
1	419883-4	x Insugningsrör, främre	x Inlet manifold, front
1	419884-2	x Insugningsrör, bakre	x Inlet manifold, rear
2	422635-3	x Plugg för insugningsrör	x Plug for inlet manifold
1	952075-0	x Plugg för insugningsrör	x Plug for inlet manifold
1	684899-8	x Axel för gasreglage, övre	x Upper shaft, complete, for throttle control
1	460039-1	x Konsol för gasreglage	x Bracket for throttle control
2	955512-9	x Skruv	x Screw
8	953461-1	x Pinnskruv	x Stud bolt
8	955826-3	x Mutter	x Nut
16	941907-8	x Bricka	x Washer
8	955847-9	x Mutter	x Nut
4	824643-1	x Mellanfläns för förgasare	x Rubber flange for carburettor
8	819769-1	x Packning för förgasare	x Gasket for carburettor
1	686057-1	x Mellanaxel	x Intermediary shaft
1	943936-5	x Reglagestång	x Control rod
4	824708-2	x Luftintag	x Air intake
1	684036-7	x Luftrenare kpl	x Air cleaner complete
2	419906-3	x Packning	x Gasket
8	953032-0	x Pinnskruv	x Stud bolt
8	10591-6	x Mutter	x Nut
1	668558-0	x Medbringare, främre	x Lever, front
1	668559-8	x Medbringare, bakre	x Lever, rear
1	959088-6	x Kulskål	x Ball socket

VOLVO
Competition Service

Avd
Section

2

Nr
No

17:2

Ant Det nr Benämning
Qty Part No

Designation

1	942837-6	x Kulskål	x Ball socket
1	955780-2	x Mutter	x Nut
1	942836-8	x Mutter	x Nut
1	460047-4	x Stag för luftfilter	x Stay for air cleaner
1	940097-9	x Bricka	x Washer
2	960142-8	x Bricka	x Washer
1	955536-8	x Skruv	x Screw
1	950354-1	x Mutter	x Nut
1	831092-2	x Bränslepump	x Fuel pump
1	943818-5	x Nippel för bränslepump	x Nipple for fuel pump
1	825856-8	x Bränsleslang	x Fuel hose
2	825857-6	x Hålskruv för bränsleslang	x Banjo screw for fuel hose
4	957173-8	x Packning för hålskruv	x Gasket for banjo screw
2	825858-4	x Sil för bränsleslang	x Strainer for fuel hose

VOLVO*Competition
Service*

Prod REGLAGESATS CONTROL KIT	Avd Section 2
	Nr No 18
Datum Date December 1972	

REGLAGESATS FÖR SOLEX-FÖRGASARE
(gäller t.o.m. -72 års modell)

CONTROL KIT FOR SOLEX-CARBURETTOR
(valid up to -72 year model)

Ant Qty	Det nr Part No	Benämning	Designation
	552611-6	Reglagesats kpl	Control kit complete
1	684899-8	x Axel för gasreglage, övre	x Upper shaft, complete, for throttle control
1	460039-1	x Konsol för gasreglage	x Bracket for throttle control
2	955512-9	x Skruv	x Screw
1	686057-1	x Mellanaxel	x Intermediary shaft
1	943936-5	x Reglagestång	x Control rod
1	668558-0	x Medbringare, främre	x Lever, front
1	668559-8	x Medbringare, bakre	x Lever, rear
1	959088-6	x Kulskål	x Ball socket
1	942837-6	x Kulskål	x Ball socket
1	955780-2	x Mutter	x Nut
1	942836-8	x Mutter	x Nut

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Prod SOLEX-DETALJER SOLEX-PARTS	Avd Section	2
	Nr No	19:1
Datum Date December 1972		

Pos	Ant Qty	Det nr Part No	Benämning	Designation
2	2	6100035-2	Spjäll 12°	Throttle butterfly 12°
3	3	6625083-8	Spjällaxel	Throttle spindle with lever
4	4	6700179-2	Spjällskruv	Throttle fixing screw
6	2	6700156-0	Ställskruv	Throttle stop screw
8	1	6700038-0	Tomgångsskruv	Slow running adjustment screw
9	3	6720002-2	Fjäder	Screw spring
10	1	6600186-8	Hävarm	Throttle control lever
10a	1	6600187-6	Hävarm	Throttle control lever
15	2	6700046-3	Volymskruv	Volume control screw
36	2	6710005-7	Mutter för hävarm 10, 10a	Throttle lever nut for pos 10, 10a
39	1	6720007-1	Startfjäder	Starter valve spring
48	1	6440012-0	Fäste	Starter cable clamp
50	1	6700035-6	Klämskruv	Cable fixing screw
62	1	6150014-6	Dubbelflottör kpl	Float assembly
65	1	6500083-8	Packning för flottörhus	Floatchamber gasket
70	2	6000116-1	Huvudmunstycke	Main jet
75	1	6000350-6	Startmunstycke	Starter petrol jet
76	1	6500096-0	O-ring för pos 591	O-ring for pos 591
86	1	6500084-6	Packning	Cover plate gasket
93	2	6700138-8	Skruv för stryphylsa	Central diffusor screw
93a	2	6700180-0	Låsskruv	Tulip fixing screw
98	4	6710015-6	Mutter	Nut for screw
99	2	6010136-7	Emulsionsrör med luftmunstycke	Emulsion tube carrier assembly
101	2	6250104-4	Halsring 36	Choke tube 36
102	2	6700067-9	Skruv för halsring	Choke tube screw
110	1	6750008-2	Flottöraxel	Float toggle spindle
115	1	6500012-7	Packning för flottörventil	Needle valve washer
116	1	6200019-5	Flottörventil	Needle valve
126	4	6700080-2	Skruv för flottörhus, kort	Floatchamber assembly screw, short
126	1	6700155-2	Skruv för flottörhus, lång	Floatchamber assembly screw, long
154	2	6760003-1	Kula	Ball
158	1	6600154-6	Hävarm för accelerationspump	Pump intermediate actuating lever
160	1	6620037-9	Länk för accelerationspump	Pump control rod

Pos	Ant Qty	Det nr Part No	Benämning	Designation
166	4	6700077-8	Skruv	Pump assembly fixing screw
167	1	6500072-1	Packning för accelerations- pump	Pump body gasket
192	1	6440026-0	Hållare för startfjäder	Yoke
195	1	6600188-4	Hävarm för startfjäder	Spring lever
196	1	6720080-8	Returfjäder för spjällaxel	Throttle spindle return spring
209	1	6700161-0	Fäste för kallstartvajer med låsskruv	Roller bracket with screw assembly
210	2	6730035-0	Låsring	Circlip
337	1	6710011-5	Mutter	Nut
338	2	6020029-2	Accelerationsmunstycke	Pump injector assembly
342	1	6720062-6	Fjäder	Pump control, rod spring
371	1	6550005-0	Membran kpl	Diaphragm complete
377a	1	6410033-2	Lock kpl för accelerations- pump	Pump cover complete
378	2	6700118-0	Skruv för pos 377a	Pump cover fixing screw
389	2	6730038-4	Bricka	Stop washer
591	1	6030038-1	Ventil kpl	Valve complete
599	2	6500053-1	O-ring för pos 574	Sealing ring for pos 574
606	2	6500105-9	O-ring för accelerations- munstycke	Injector washer
607	2	6500063-0	O-ring för accelerations- munstycke	Washer for pos 338
621	2	6250188-7	Stryphylsa	Central diffusor
624	2	6500029-1	Tätningarring för pos 102	Washer for pos 102
625	2	6735011-6	Teflontätning	Bush (teflon)
627	1	6700116-4	Tätning	Screw for pump lever
628			Bricka för pos 629	Washer for pos 629
	1	6500107-5	tjocklek 0,5 mm	thickness 0,5 mm
	1	6500108-3	tjocklek 0,8 mm	thickness 0,8 mm
	1	6500109-1	tjocklek 1,0 mm	thickness 1,0 mm
	1	6500110-9	tjocklek 1,2 mm	thickness 1,2 mm
	1	6500111-7	tjocklek 1,5 mm	thickness 1,5 mm
629	1	6745050-2	Säte för bränsleinlopp	Seat

VOLVO Competition Service	Avd Section 2	Nr No 19:3
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För SOLEX 45 DDH kan det ibland vara lämpligt att byta tomgångsmunstycket mot ett större, speciellt vid körning under kall väderlek.

It may sometimes be suitable to replace the idle nozzle with a larger size on the SOLEX 45 DDH, particularly when driving in cold weather.

Det nr Part No	Munstycksstorlek Nozzle size
552604-1	57,5
552605-8	60,0
552606-6	62,5
552607-4	65,0

Renoveringssats och packningssats (SOLEX 45 DDH)
Reconditioning and gasket kits (SOLEX 45 DDH)

Ant Qty	Det nr Part No	Benämning	Designation
1	552601-7	Packningssats kpl för två förgasare	Gasket kit complete for two carburettors
1	552602-5	Renoveringssats kpl för två förgasare	Reconditioning kit complete for two carburettors

Renoveringssats innehåller packningssats, samtliga munstycken, flottörer och membran.

The reconditioning kit contains a gasket kit, all jets, floats and diaphragms.

VOLVO Competition Service	Avd Section 2	Nr No 19:4
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Vissa av våra kunder önskar själva experimentera med annan bestyckning i Solex-förgasarna. Här nedan följer därför en uppställning över de detaljer i våra Solex-förgasare för marinmotorer som avviker från bilversionen.

Some of our customers want to experiment themselves with other parts for the Solex carburettors. Below is a list of the parts of our Solex carburettors for marine engines that differ from the car versions.

Ant Qty	Det nr Part No	Benämning	Designation
2	6250125-9	Halsring 38	Choke tube 38
2	6000117-9	Huvudmunstycke 190	Main jet 190
2	6010134-2	Emulsionsrör med luftmunstycke 155	Emulsion tube carrier assembly 155

PRISER

6250125-9 se 6250104-4
6000117-9 se 6000116-1
6010134-2 se 6010136-7

PRICES

see 6250104-4
see 6000116-1
see 6010136-7

VOLVO

*Competition
Service*

Prod RALLYJACKOR, TRÖJOR, T-SKIRTS RALLY JACKETS, SWEATERS, T-SHIRTS	Avd Section 2
	Nr No 20:1
Datum Date December 1972	

Ant Qty	Det nr Part No	Benämning	Storl	Designation	Size
1	552979-7	Rally-jacka	46	Rally jacket	XS=46
	552980-5	Rally-jacka	48	Rally jacket	S=48
1	552981-3	Rally-jacka	50	Rally jacket	M=50
1	552982-1	Rally-jacka	52	Rally jacket	L=52
1	552983-9	Rally-jacka	54	Rally jacket	XL=54
1	552984-7	Rally-jacka	56	Rally jacket	XXL=56

Jackan är av typ "täckjacka" i Volvo-blå färg och är försedd med följande detaljer: dold huva, två tvärgående "stripes" i vitt på vänster överarm, två ytterfickor med dragskedja, bröstficka, innerficka, pennficka på vänster ärm, dolt plastfodral för förarlicens, inbroderat Volvo-märke med lagerkrans och texten "RALLY".

The jackets are of rally type, Volvo-blue in colour, fitted with a concealed hood and have two white stripes around the left-hand upper arm, two outer pockets with zippers, breast pocket, inside pocket, pen-pocket on left sleeve, concealed plastic holder for license and embroidered Volvo-badge with a laurel embellishment with the word "RALLY" underneath.

1	552986-2	Sommar-jacka	Liten	Summer jacket	Small
1	552987-0	Sommar-jacka	Medium	Summer jacket	Medium
1	552988-8	Sommar-jacka	Stor	Summer jacket	Large

Volvo-blå, ofodrad, två sidofickor, en bröstficka med dragskedja, skjort-manchett, enkel dragskedja och Volvo-märke broderat i vitt med texten "RALLY" under.

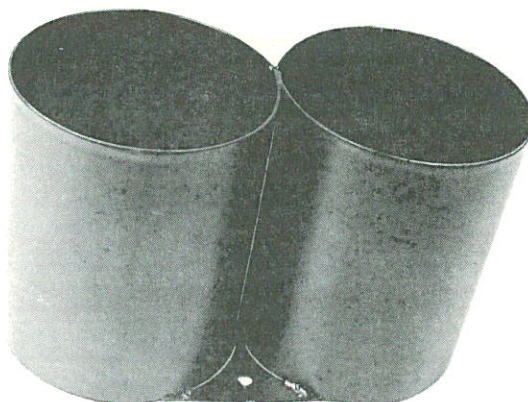
Volvo-blue, without lining, two outer pockets, one breast pocket with zipper, sleeve cuff, zipper and embroidered Volvo-badge in white with the word "RALLY" underneath.

VOLVO

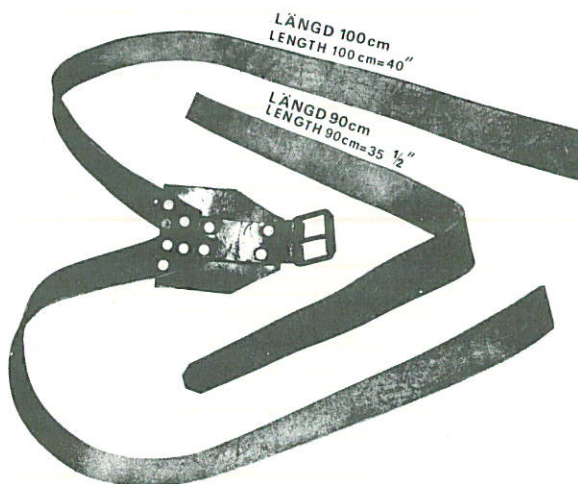
*Competition
Service*

Prod DIVERSE TILLBEHÖR VARIOUS ACCESSORIES	Avd Section 2
	Nr No 21
Datum Date December 1972	

Ant Qty	Det nr Part No	Benämning	Designation
1	552845-0	Förkromad ventilkåpa (B20)	Chromium-plated valve cover (B20)
1	552985-4	Volvo-emblem (broderat i vitt på blått tyg med lagerkrans och texten "RALLY", diameter - 75 mm)	Volvo-emblem (of cloth with laurel embellish- ment and underneath the word "RALLY", all in white colour on blue bottom, diameter - 75 mm)



1	552310-5	Hållare för 2 st 1-liters plastflaskor för olja (diameter 86 mm)	Retainer for two 1-litre plastic bottles for oil (diameter 86 mm)
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1	552304-8	Rem för extra reservhjul (avsedd för 1-2 liggande hjul)	Retainer for spare wheel (intended for 1-2 wheels placed horizontally)
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VOLVO

*Competition
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PROD	SECTION
Rally Jackets	2
Sweat Shirts	NO.
T-Shirts	20:1
DATE	
November 1973	

<u>Part Number</u>	<u>Description</u>	<u>Size</u>
552973-0	Winter Rally Jacket	6 years
552974-8	Winter Rally Jacket	8 years
552975-5	Winter Rally Jacket	10 years
552976-3	Winter Rally Jacket	12 years
552977-1	Winter Rally Jacket	14 years
552978-9	Winter Rally Jacket	16 years
552979-7	Winter Rally Jacket	Extra Small
552980-5	Winter Rally Jacket	Small
552981-3	Winter Rally Jacket	Medium
552982-1	Winter Rally Jacket	Large
552983-9	Winter Rally Jacket	Extra Large
552984-7	Winter Rally Jacket	Extra Extra Large

The jackets are of rally type, Volvo-blue in color, fitted with a concealed hood and have two white stripes around the left-hand upper arm, two outer pockets with zippers, breast pocket, inside pocket, pen-pocket on left sleeve, concealed plastic holder for license and embroidered Volvo-badges with a laurel embellishment.

552986-2	Summer Jacket	Small
552987-0	Summer Jacket	Medium
552988-8	Summer Jacket	Large

Volvo-blue, without lining, two outer pockets, one breast pocket with zipper, sleeve cuff, zipper and with Volvo-badges in white sewed on.

VOLVO

Competition Service

SECTION

2

NO.

20:2

Part NumberDescriptionSize

YELLOW SWEAT SHIRT WITH VOLVO-BADGE

552951-6	Sweat Shirt	Extra Small
552952-4	Sweat Shirt	Small
552953-2	Sweat Shirt	Medium
552954-0	Sweat Shirt	Large
552955-7	Sweat Shirt	Extra Large

YELLOW SWEAT SHIRT WITH VOLVO-BADGE
WITH THE WORD "RALLY" UNDERNEATH

552956-5	Sweat Shirt	Extra Small
552957-3	Sweat Shirt	Small
552958-1	Sweat Shirt	Medium
552959-9	Sweat Shirt	Large
552960-7	Sweat Shirt	Extra Large

WHITE SWEAT SHIRT WITH VOLVO-BADGE

552961-5	Sweat Shirt	Extra Small
552962-3	Sweat Shirt	Small
552963-1	Sweat Shirt	Medium
552964-9	Sweat Shirt	Large
552965-7	Sweat Shirt	Extra Large

WHITE SWEAT SHIRT WITH VOLVO-BADGE
WITH THE WORD "RALLY" UNDERNEATH

552931-8	Sweat Shirt	Extra Small
552932-6	Sweat Shirt	Small
552933-4	Sweat Shirt	Medium
552934-2	Sweat Shirt	Large
552935-9	Sweat Shirt	Extra Large

VOLVO

*Competition
Service*

PROD	SECTION
T-SHIRTS	5
DATE	NO.
June, 1974	20:3

WHITE T-SHIRT WITH VOLVO BADGE IN BLUE

552227-1	6 - 9 years
552228-9	10 - 13 years
552966-5	Ladies Small
552967-2	Men Small
552968-7	Medium
552229-7	Large

WHITE T-SHIRT WITH VOLVO-BADGE IN BLUE
WITH THE WORD "RALLY" UNDERNEATH

552231-3	6 - 9 years
552232-1	10 - 13 years
552969-8	Ladies Small
552970-6	Men Small
552971-4	Medium
552233-9	Large

YELLOW T-SHIRT WITH VOLVO-BADGE IN BLUE

552937-5	6 - 9 years
552938-3	10 - 13 years
552939-1	Ladies Small
552940-9	Men Small
552941-7	Medium
552942-5	Large

YELLOW T-SHIRT WITH VOLVO BADGE IN BLUE
WITH THE WORD "RALLY" UNDERNEATH

552944-1	6 - 9 years
552945-8	10 - 13 years
552946-6	Ladies Small
552947-4	Men Small
552948-2	Medium
552949-0	Large

WHITE T-SHIRT WITH PICTURE OF VOLVO CAR

552235-4	6 - 9 years
552236-2	10 - 13 years
552237-0	Ladies Small
552238-8	Men Small
552239-6	Medium
552240-4	Large

YELLOW T-SHIRT WITH PICTURE OF VOLVO CAR

552242-0	6 - 9 years
552243-8	10 - 13 years
552244-6	Ladies Small
552245-3	Men Small
552246-1	Medium
552247-9	Large

BLUE T-SHIRT WITH PICTURE OF VOLVO-CAR

552249-5	6 - 9 years
552250-3	10 - 13 years
552251-1	Ladies Small
552252-9	Men Small
552253-7	Medium
552254-5	Large

WHITE T-SHIRT WITH PICTURE OF RACING
BOAT WITH VOLVO PENTA-ENGINE IN ACTION

552256-0	6 - 9 years
552257-8	10 - 13 years
552258-6	Ladies Small
552259-4	Men Small
552260-2	Medium
552261-0	Large

YELLOW T-SHIRT WITH PICTURE OF RACING
BOAT EQUIPPED WITH VOLVO-PENTA IN ACTION

552263-6	6 - 9 years
552264-4	10 - 13 years
552265-1	Ladies Small
552266-9	Men Small
552267-7	Medium
552268-5	Large

BLUE T-SHIRT WITH PICTURE OF RACING
BOAT EQUIPPED WITH VOLVO-PENTA IN ACTION

552270-1	6 - 9 years
552271-9	10 - 13 years
552272-7	Ladies Small
552273-5	Men Small
552274-3	Medium
552275-0	Large

ALL T-SHIRTS - \$4.30 Retail

Dealer Discount Code A

REMARKS: Due to the nature of the European manufacture of the cloth used in the T-Shirts, it is strongly recommended that one size larger than normal be ordered.

4


Competition
Service

Prod TUNING KIT FOR B20 STAGES I AND II	Section 4
	No 1
Date OCTOBER 1973	

TUNING INFORMATION

General

The installation instructions, clearances, settings and tightening torques stated in the VOLVO Service Manual apply on the whole to the tuning kit. This tuning information only concerns deviations from the Service Manual.

OPERATIONS TO BE CARRIED OUT BEFORE INSTALLING TUNING KIT

Induction manifold

On the induction manifold, check that the drilled holes for the vacuum connection are free from burrs. Fit plug 422635, see Fig. 2, in the drilled hole on the induction manifold connecting flange against the cylinder head. Fit the stud and nipple for the vacuum connection. If more rapid evacuation of the brake booster is desired, it is recommended that the vacuum connection goes to both the induction manifolds, connection being made at the brake booster in the form of a T-junction.

Fit the control unit bracket on the front induction manifold.

Exhaust manifold

Remove any unevenness from the exhaust manifold flanges.

Front carburettor

Remove the front lever. Fit the lever and return spring supplied. The lever is fitted in the reverse direction compared with the rear lever (about 45° downwards-inwards towards the engine when the throttle is closed).

NOTE. When tightening the nut on the end of the throttle spindle, apply a "counterhold" (suitable wrench) to the lever under the nut which is to be tightened. This is to stop the throttle spindles from turning. Secure the nut with the locking tab. Remove the retainer for the choke cable sleeve.

Rear carburettor

Remove the rear lever. Move the bracket with idling screw from the rear lever to the front lever. Fit the lever and spring supplied to the rear end of the throttle spindle. The lever is fitted in the opposite direction to the front lever.

Secure the nut with the locking tab.

Fit the intermediary shaft with flanges between the carburettors. The ball on the intermediary lever is fitted facing forwards. Check that the pins on the flanges engage in the square holes in the levers. Fit stay 460047 to the air cleaner bottom plate on the front of the rubber suspension.

Fit a plain washer on each side of the rubber bushing and a plain washer outside the stay. The other end of the stay is then fitted to the engine mounting, see Fig. 4. Then fit together the air cleaner bottom plate to the carburettors using studs and Nylock nuts. Check that the intermediary shaft has axial clearance. Fit the induction funnels and secure them with lock screws and nuts on the carburettors. Then carefully tighten the air screws until they bottom and then back them off by $3/4$ turn. Screw in the idling screws until they touch the lever. Then tighten them a further one and a half turns, see Fig. 3. Check that the throttle returns easily to the idling position. If the throttle does not do this, check the acceleration pump lever and push rod so that there is no leverage between these units. If necessary, adjust the angle to the push rod on the acceleration pump lever.

Fuel pump

Fit the fuel hose and the nipple to the fuel pump.

INSTALLATION OF TUNING KIT

Remove the exhaust manifold, carburettor, air cleaner and front section exhaust pipe from the standard engine.

The cylinder head, camshaft, flywheel, oil cooler, expansion tank, fuel pump, etc., are replaced according to the Service Manual with the exception of the timing gear casing which is to be centred on the belt pulley hub.

In connection with tough driving, it is advisable when installing the tuning kit to replace the clutch by a more robust unit:

clutch	part no. 418930
clutch plate	" " 418871
throw-out bearing	" " 380569

Cut up and remove the washer against which the throw-out bearing moves in the centre of the clutch.

Fit a primary resistor in the ignition system primary circuit between the ignition switch and the positive terminal of the ignition coil. The vacuum governor on the distributor is not to be connected up.

Fit the exhaust manifold. Locate and install the induction manifold and the intermediary flanges. Fit the carburettors with the air cleaner bottom plate. Fit the stay to the engine mounting. Fit the throttle control spindle. Fit the control rod.

Adjusting control rod length

Place a feeler gauge of 1.0 mm between the throttle control spindle lever and its idling shoulder on the bracket. Adjust rod length so that the flanges on the intermediary shaft just touch to open the throttle.