

F.I.A. Recognition N° 1432.....
 Group 2 - Touring.....

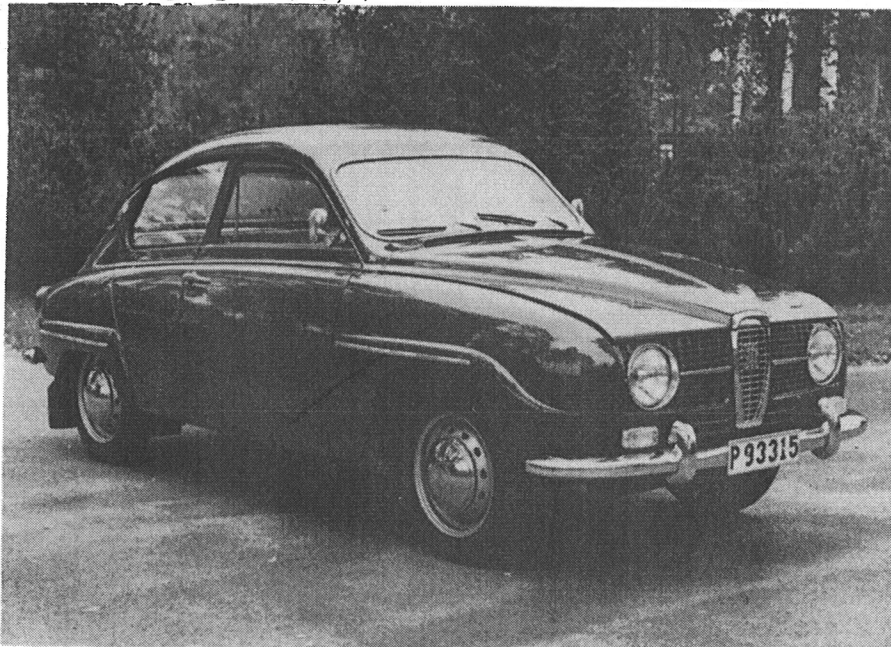
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer .. SAAB AKTIEBOLAG Cylinder-capacity 842 cm³ 51,4 in:
 Model .. SAAB SPECIAL
 Serial N° of chassis 370000 Manufacturer SAAB AKTIEBOLAG
 engine 370000 Manufacturer SAAB AKTIEBOLAG
 Recognition is valid from 1st May 1966 List 14/4.....

The manufacturing of the model described in this recognition form was started
 on 15/8 19 65 and the minimum production of 1000 identical cars, in
 accordance with the specifications of this form was reached on 15/2 19 66.....

Photograph A, 3/4 view of car from front



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

<u>Variants</u>				<u>Normal evolution of the type</u>								
on	19	... rec.N°	.....	List	on	.....	19	... rec. N°	.....	List	.....
on	19	... rec.N°	.....	List	on	.....	19	... rec. N°	.....	List	.....
on	19	... rec.N°	.....	List	on	.....	19	... rec. N°	.....	List	.....
on	19	... rec.N°	.....	List	on	.....	19	... rec. N°	.....	List	.....
on	19	... rec.N°	.....	List	on	.....	19	... rec. N°	.....	List	.....

Stamp and signature of the
 National Sporting Authority

Stamp and signature of the F.I.A.



[Handwritten signature]

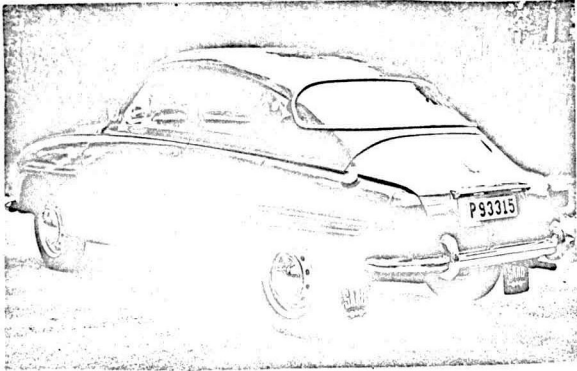


Make SAAB

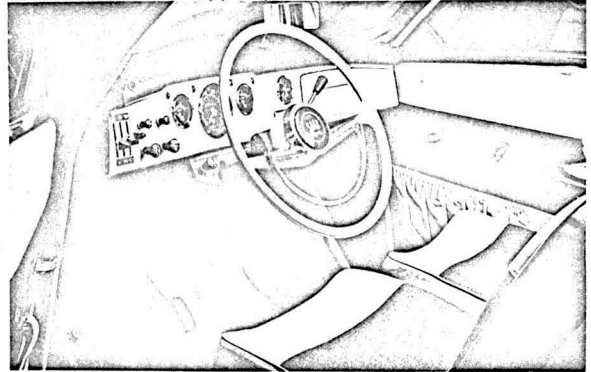
Model SPECIAL

F.I.A. Rec. N°

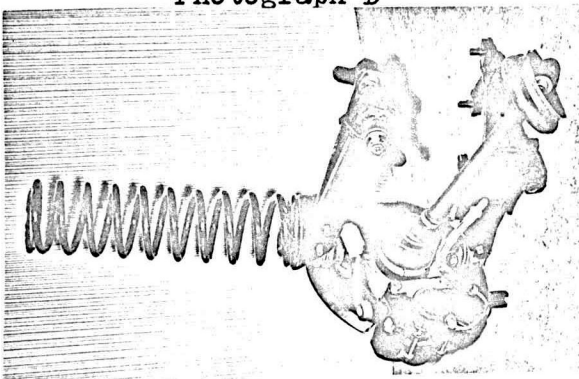
Photograph B



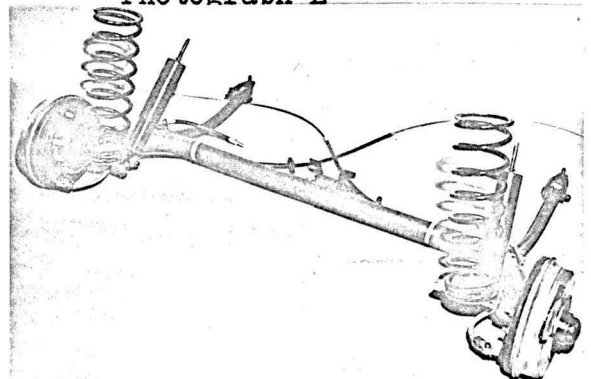
Photograph C



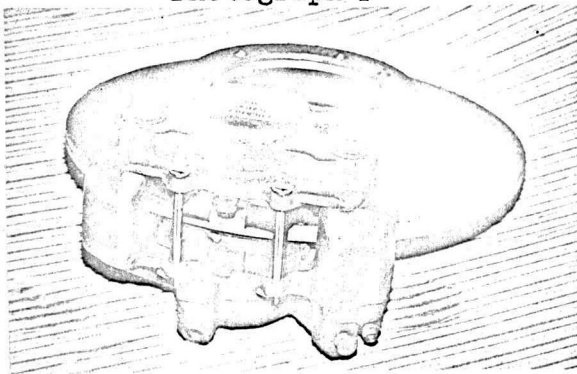
Photograph D



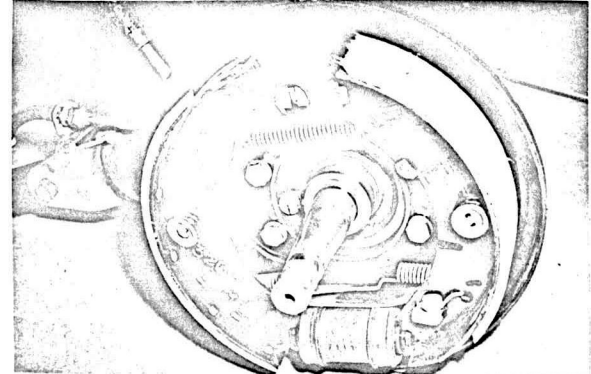
Photograph E



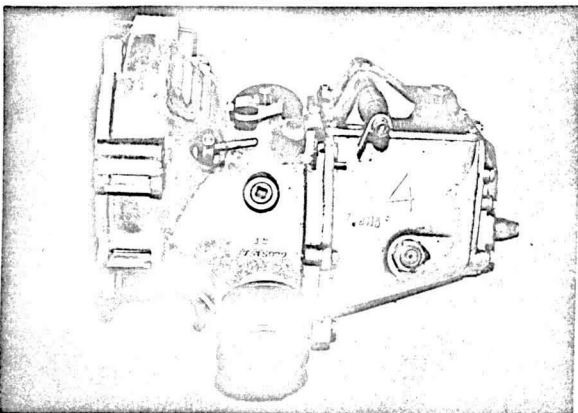
Photograph F



Photograph G



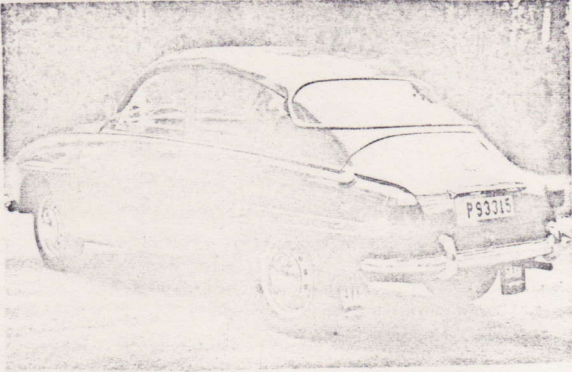
Photograph H



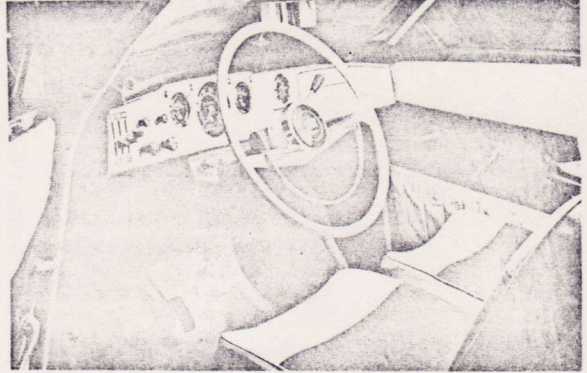
Photograph I



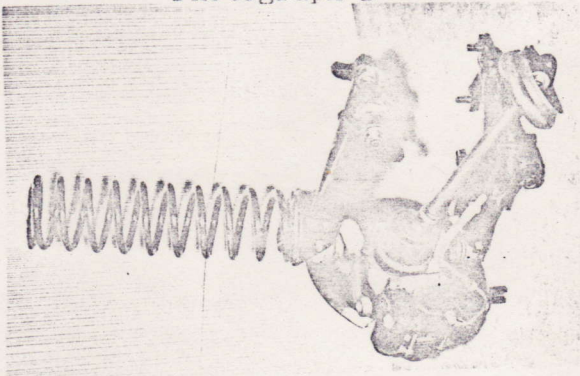
Photograph B



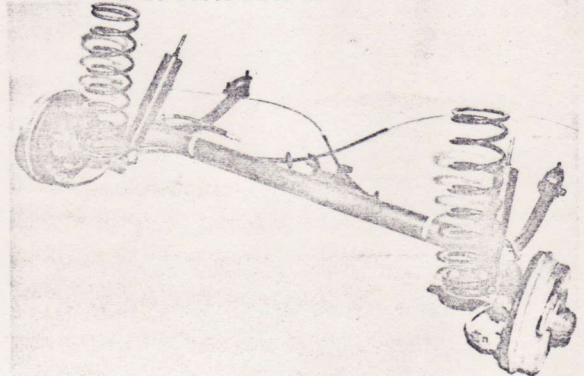
Photograph C



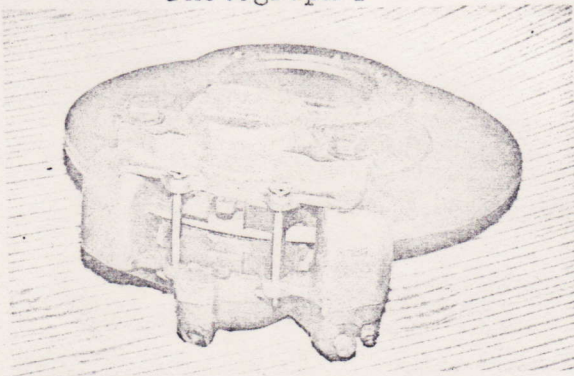
Photograph D



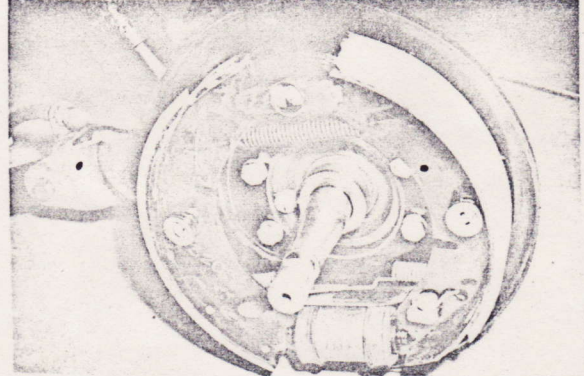
Photograph E



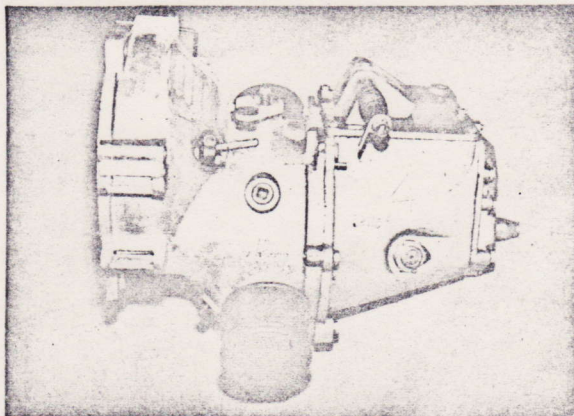
Photograph F



Photograph G



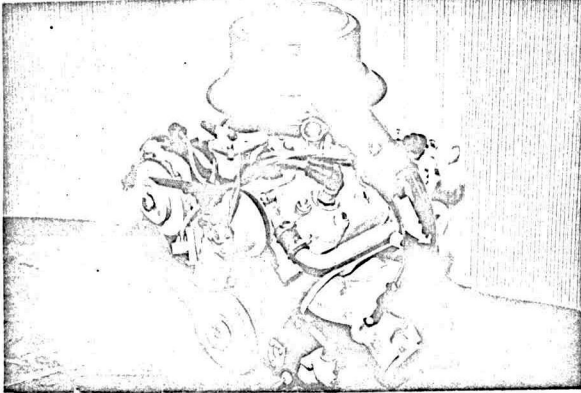
Photograph H



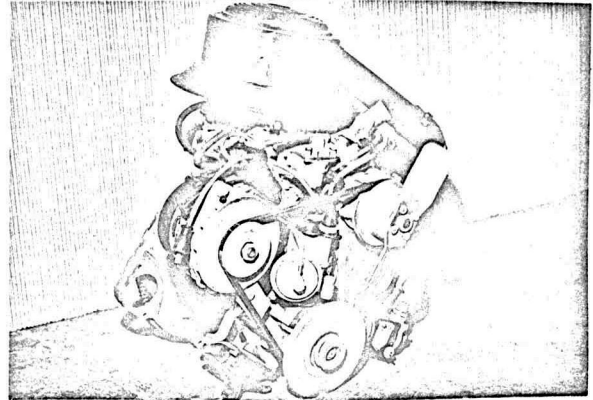
Photograph I



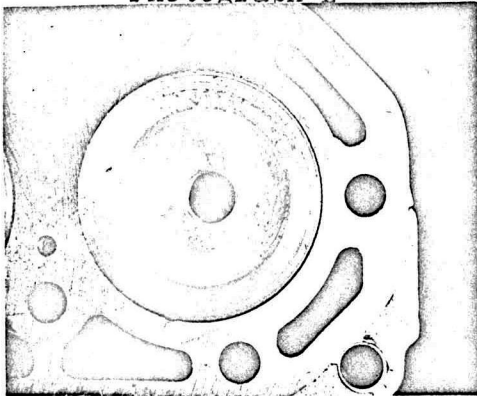
Photograph J



Photograph K

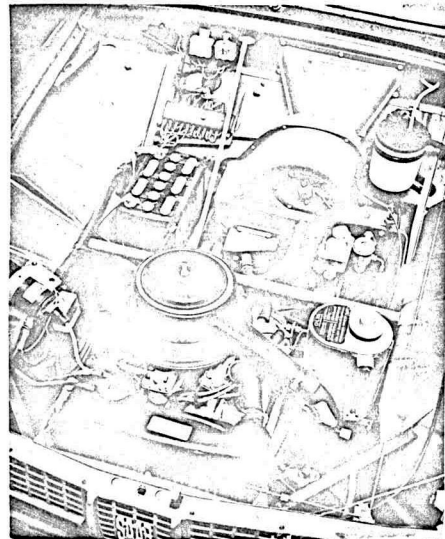


Photograph L

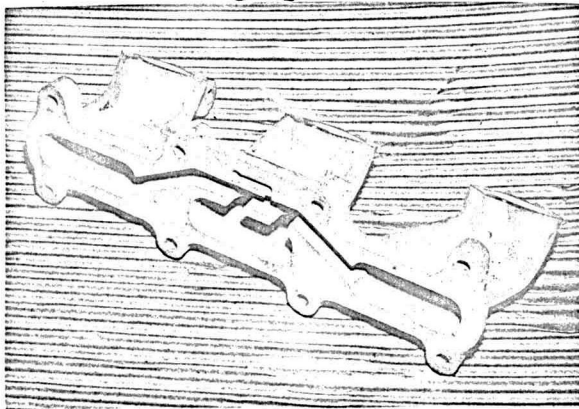


Photograph M

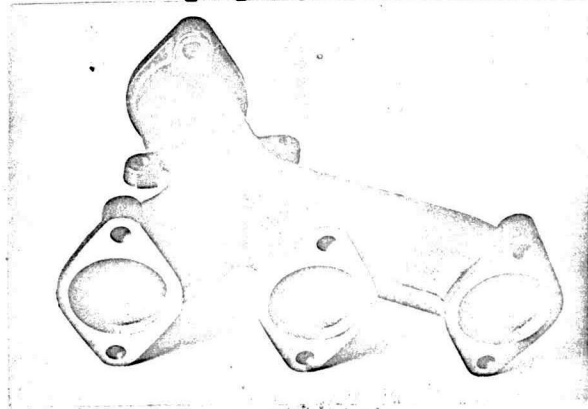
Photograph N



Photograph P



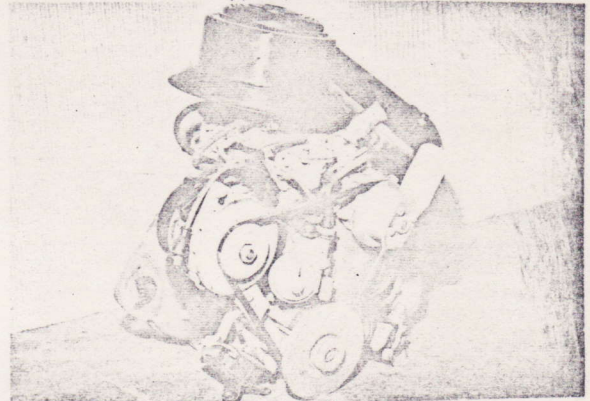
Photograph Q



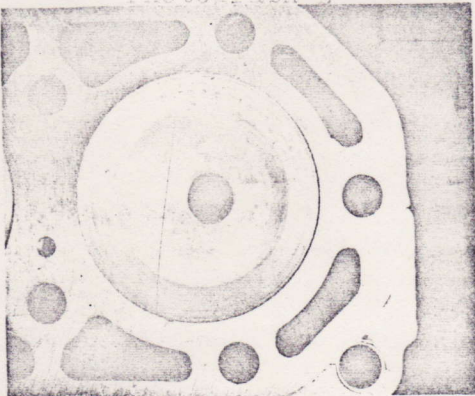
Photograph J



Photograph K



Photograph L



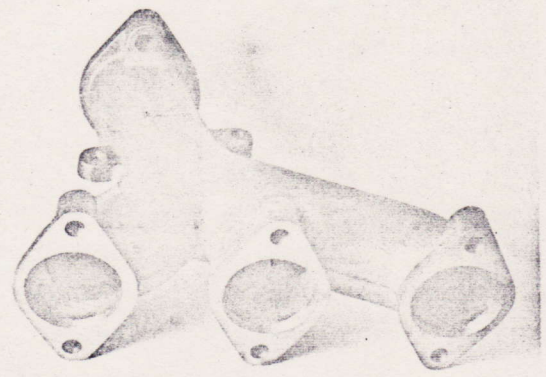
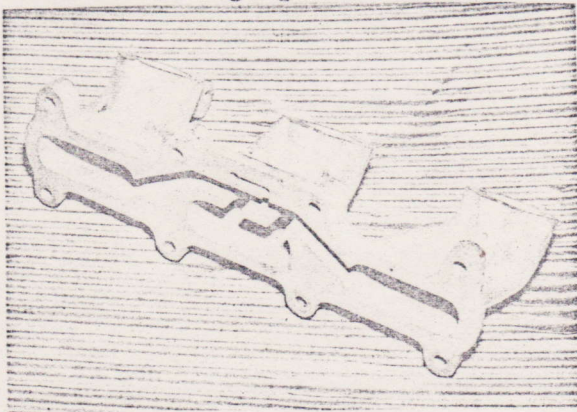
Photograph M



Photograph N

Photograph Q

Photograph P

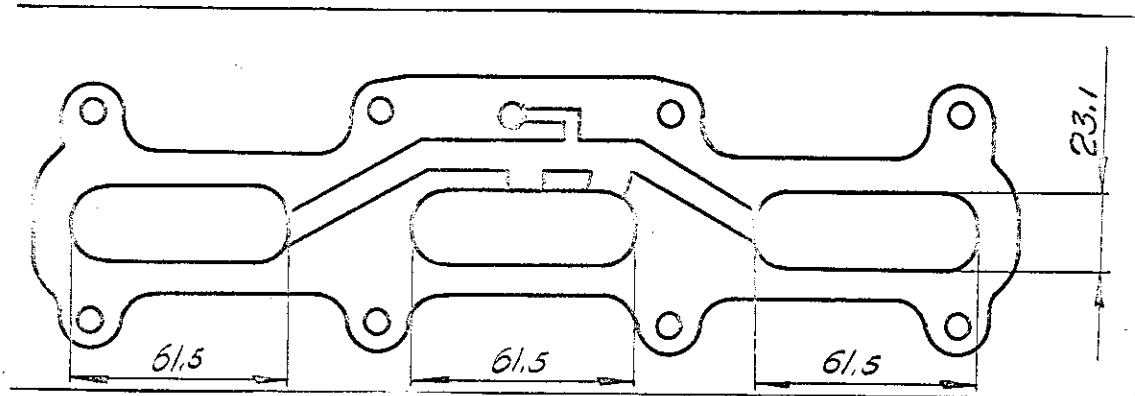


Make SAAB

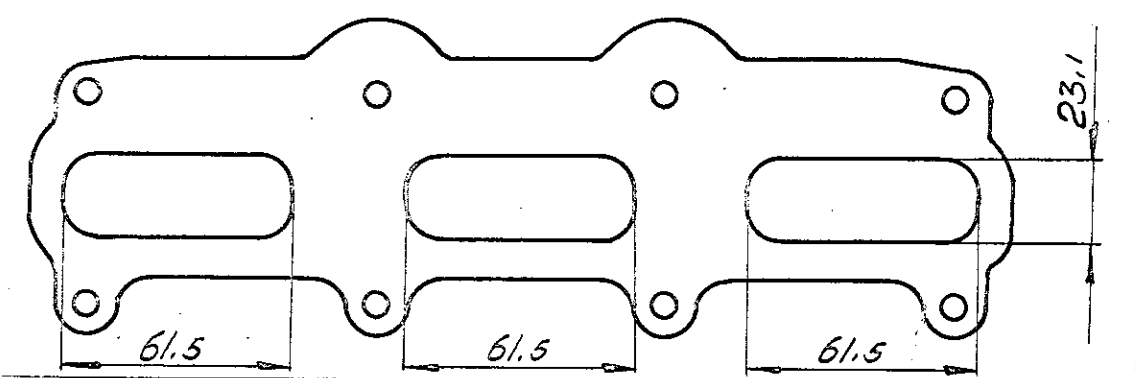
Model SPECIAL

F.I.A. Rec. N°

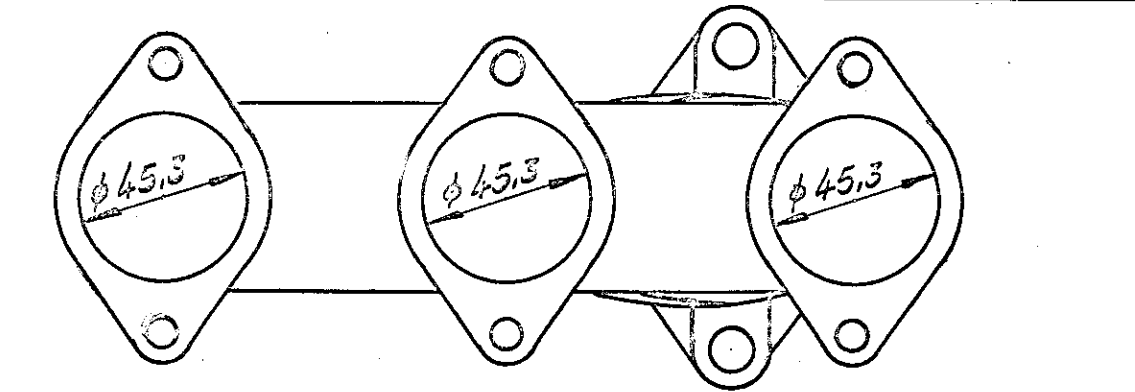
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



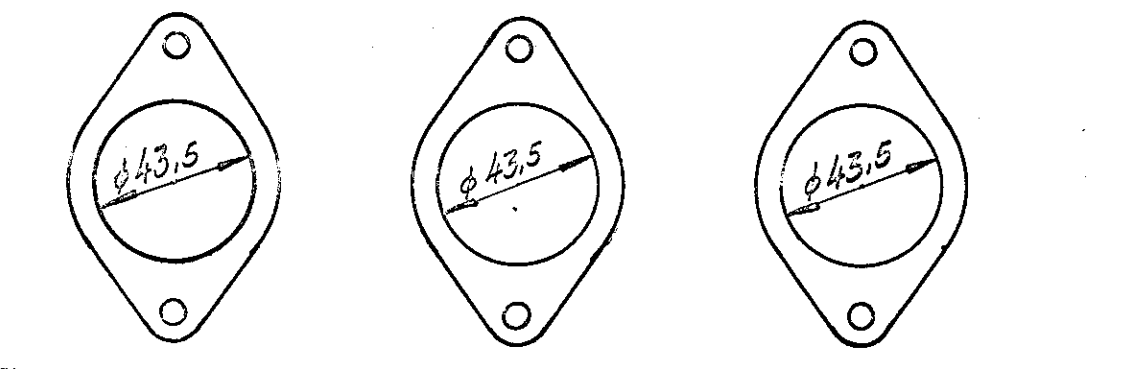
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



Drawing exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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



All dimensions stated are maximum dimensions.



Make SAAB

Model SPECIAL

F.I.A. Rec. N°

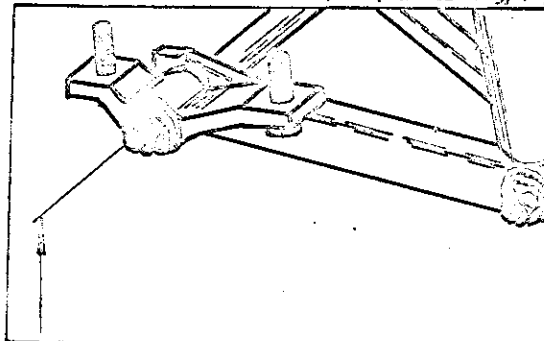
IMPORTANT - the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

CAPACITIES AND DIMENSIONS

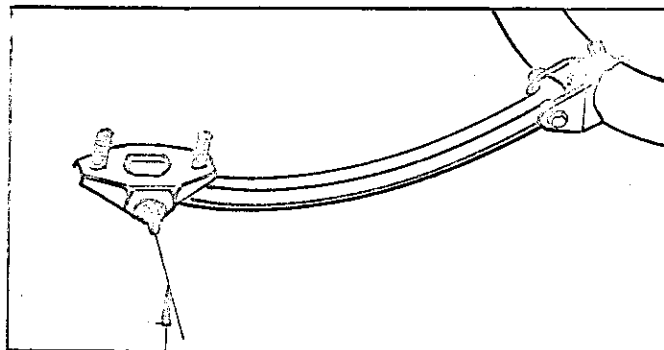
- 1. Wheelbase 2498 mm 98,35 inches
- 2. Front track 1220 mm 48,03 inches X
- 3. Rear track 1220 mm 48,03 inches X
- 4. Overall length of the car 417 cm inches
- 5. Overall width of the car 158 cm inches
- 6. Overall height of the car 147 cm inches
- 7. Capacity of fuel tank (reserve included) 40 ltrs
10,5 Gallon US 8,8 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:
793 kg 1748 lbs 15,6 cwt

X 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.

With 4½" rims track 1270 (camber + 3/4°)



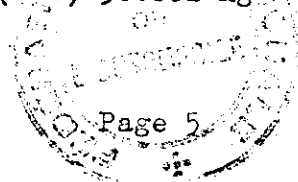
Front: distance from ground to fixed pivot of lower swing arm 225 mm



Rear: distance from ground to fixed pivot of rear link 238 mm

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 SAAB

Model SPECIAL

F.I.A. Rec. N°

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction: separate/unitary construction
21. Unitary construction, material(s) PRESSED STEEL SHEET
Separate construction
22. Material(s) of chassis
23. Material(s) of coachwork -"
24. Number of doors Material(s) -"
25. Material(s) of bonnet -"
26. Material(s) of boot lid -"
27. Material(s) of rear-window GLASS
28. Material(s) of windscreen GLASS
29. Material(s) of front-door windows GLASS
30. Material(s) of rear-door windows -
31. Sliding system of door windows WHEEL AND LEVER MECHANISM
32. Material(s) of rear-quarter light GLASS

ACCESSORIES AND UPHOLSTERY

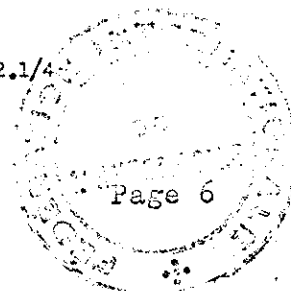
38. Interior heating: yes - no
39. Air-conditioning: yes - no
40. Ventilation: yes - no
41. Front seats, type of upholstery
42. Weight of front seat(s), complete with supports and rails, out of the car:
2 x 11 kg lbs
43. Rear seats, type of upholstery SOFA TYPE WITH SEPARATE BACK SUPPORT CLOTH AND GALON
44. Front bumper, material(s) STEEL Weight 5,2 kg lbs
45. Rear bumper, material(s) STEEL Weight 5,4 kg lbs

WHEELS

50. Type DISC
51. Weight (per wheel, without tyre) 6,7 kg lbs
52. Method of attachment BOLTED TO DISC AND DRUM
53. Rim diameter 381 mm 15 inches
54. Rim width 101,5 mm 4 inches

STEERING

60. Type RACK AND PENION
61. Servo-assistance: yes - no
62. Number of turns of steering wheel from lock to lock 2.1/4
63. In case of servo-assistance



SUSPENSION

- 70. Front suspension (photogr. D), type INDEPENDENT
- 71. Type of spring COIL SPRING
- 72. Stabiliser (if fitted)
- 73. Number of shockabsorbers 2 74. Type TELESCOPIC
- 78. Rear suspension (photogr. E), type U-SHAPED RIGID BACKAXLE
- 79. Type of spring COIL SPRING
- 80. Stabiliser (if fitted)
- 81. Number of shockabsorbers 2 82. Type TELESCOPIC

BRAKES (photographs F and G)

- 90. Method of operation HYDRAULIC SYSTEM
- 91. Servo-assistance (if fitted), type
- 92. Number of hydraulic master cylinders 1 TANDEM TYPE

		FRONT		REAR	
93. Number of cylinders per wheel	2			1	
94. Bore of wheel cylinder(s)	50,6	mm	in.	19,05	mm in.
Drum brakes					
95. Inside diameter		mm	in.	203,2	mm in.
96. Length of brake linings		mm	in.	195,8	mm in.
97. Width of brake linings		mm	in.	36,6	mm in.
98. Number of shoes per brake				2	
99. Total area per brake		mm ²	sq.in.	14300	mm ² sq.in.
Disc brakes					
100. Outside diameter	273	mm	in.		mm in.
101. Thickness of disc	9	mm	in.		mm in.
102. Length of brake linings	79	mm	in.		mm in.
103. Width of brake linings	50	mm	in.		mm in.
104. Number of pads per brake	2				
105. Total area per brake	6500	mm ²	sq.in.		mm ² sq.in.



Make DMB

Model SPECIAL

F.I.A. Rec. N°

ENGINE (photographs J and K)

130. Cycle two stroke
131. Numbers of cylinders 3
132. Cylinder arrangement IN LINE
133. Bore $75^{+0,013}_{-0,146}$ mm 2,76 in. 134. Stroke $72,9^{+0,07}_{-0,03}$ mm 2,87 in.
135. Capacity per cylinder 201 cm³ 17,1 cu.in.
136. Total cylinder-capacity 242 cm³ 51,4 cu.in.
137. Material(s) of cylinder block CAST IRON
138. Material(s) of sleeves (if fitted)
139. Cylinder-head, material(s) ALUMINIUM ALLOY Number fitted 1
140. Number of inlet ports 3 141. Number of exhaust ports 3
142. Compression ratio
143. Volume of one combustion chamber cm³ cu.in.
144. Piston, material 145. Number of rings
146. Distance from gudgeon pin centre line to highest point of piston crown
mm inches
147. Crankshaft: moulded/stamped 148. Type of crankshaft: integral/built up
149. Number of crankshaft main bearings 4
150. Material of bearing cap
151. System of lubrication: dry sump/oil in sump MECHANICAL PUMP LUBRICATION
152. Capacity, lubricant 3 ltrs pts quarts US
153. Oil cooler: yes/no 154. Method of engine cooling WATER COOLING
155. Capacity of cooling system 6,5 ltrs pints quarts US
156. Cooling fan (if fitted), dia. cm inches
157. Number of blades of cooling fan
- Bearings
158. Crankshaft main, type BALL BEARING Dia. 72/35 mm in.
159. Connecting, big end, type ROLLER BEARING Dia. 40/28 mm in.
rod
- Weights
160. Flywheel (clean) kg lbs
161. Flywheel with clutch (all turning parts) kg lbs
162. Crankshaft kg lbs 163. Connecting rod lbs
164. Piston with rings and pin kg lbs



FOUR STROKE ENGINES

170. Number of camshafts 171. Location
 172. Type of camshaft drive
 173. Type of valve operation

INLET (see page 4) X

180. Material(s) of inlet manifold ALUMINIUM ALLOY
 181. Diameter of valves mm inches
 182. Max. valve lift mm in. 183. Number of valve springs
 184. Type of spring 185. Number of valves/cyl.
 186. Tappet clearance for checking timing (cold) mm inches
 187. Valves open at (with tolerance for tappet clearance indicated)
 188. Valves close at (with tolerance for tappet clearance indicated)
 189. Air filter, type

EXHAUST (see page 4)

195. Material(s) of exhaust manifold CAST STEEL
 196. Diameter of valves mm inches
 197. Max. valve lift mm in. 198. Number of valve springs
 199. Type of spring 200. Number of valves per cylinder
 201. Tappet clearance for checking timing (cold) mm inches
 202. Valves open at (with tolerance for tappet clearance indicated)
 203. Valves close at (with tolerance for tappet clearance indicated)

CARBURETION (photograph N)

210. Number of carburetors fitted 2 triple 211. Type DOWNDRAUGHT
 212. Make 213. Model
 214. Number of mixture passages per carburetor 3 x 1
 215. Flange hole diameter of exit port(s) of carburetor mm in.
 216. Minimum diameter of venturi/minimum diam. with piston at max. 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

X for additional information concerning two-stroke engines and super-charged engines see page 13.

Make SMC

Model SP101

F.I.A. Rec. N°

ENGINE ACCESSORIES

- 230. Fuel pump. ~~mechanical~~/or electric 231. N° fitted 1
- 232. Type of ignition system COIL AND DISTRIBUTOR 233. N° of distributors 1
- 234. N° of ignition coils 1 235. N° of spark plugs per cylinder 1
- 236. Generator, number fitted 1 237. Method of drive V-BELT
- 238. Voltage of generator 12 volts 239. Battery, number 1
- 240. Location ~~main compartment~~
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output (type of horsepower:) at rpm
- 251. Maximum rpm output at that figure
- 252. Maximum torque at rpm
- 253. Maximum speed of the car km/hour miles/hour



Make SAAB

Model SPECIAL

F.I.A. Rec. N°

DRIVE TRAIN

CLUTCH

- 260. Type of clutch DRY PLATE
- 261. N° of plates 1
- 262. Dia. of clutch plates 18 cm inches
- 263. Dia. of linings, inside 12,5 cm in. outside 18 cm in.
- 264. Method of operating clutch HYDRAULIC
- GEAR BOX (photograph H)
- 270. Manual type, make MECHANICAL - SAAB
- 271. N° of gear-box ratios forward 4
- 272. Synchronized forward ratios 4
- 273. Location of gear-shift ON STEERING COLUMN
- 274. Automatic, make type
- 275. N° of forward ratios
- 276. Location of gear-shift

277.	Manual		Automatic		Alternative manual/automatic	
	Ratio	N° teeth	Ratio	N° teeth	Ratio	N° teeth
1	3,48	35-27-31- 21-40-22	|	|	3,14	35-27-31- 21-41-25
2	2,09	31-37-27- 40-22	|	|	1,86	34-37-30- 41-25
3	1,30	35-27	|	|	1,30	35-27
4	0,84	31-37	|	|	0,92	34-37
5			|	|		
6			|	|		
reverse	3,18	35-20-40-22	|	|	2,87	35-20-41-25

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

FINAL DRIVE

- 290. Type of final drive BEVEL GEAR (PINION AND CROWNWHEEL)
- 291. Type of differential DIFFERENTIAL BEVEL GEAR
- 292. Type of limited slip differential (if fitted)
- 293. Final drive ratio 6,0:1 5,71:1 5,43:1 5,14:1 4,88:1
- Number of teeth 6-36 7-40 7-38 7-36 8-39



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, 184, 186, 187, 188, 189, 199, 201, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs I, M and N.

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

Twin fuel pumps (electrical)

No. 712494, 718786

4 1/2 inch rims

" 785817

(Track, see page 5)

Protection plate

" 785824

Petrol tank 60 l.

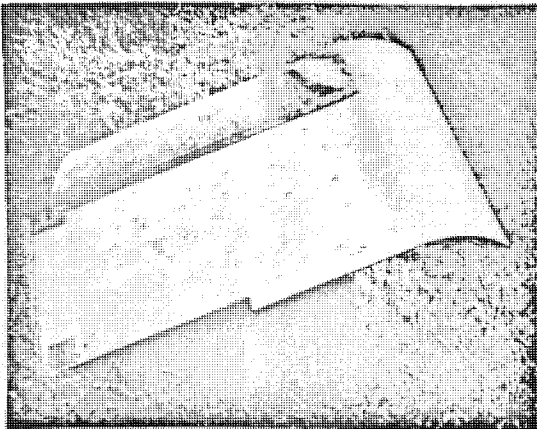
" 785826

Diaphragm Spring Clutch

" 785829

(Type of clutch, Dry plate. No of plates, 1. Diameter, 18 cm).

Disc brakes without guard plates



Inlet and exhaust manifolds, ports and ducts machined in series production. OR

