

15 OCT. 1965

F.I.A. Recognition No
Group 2

.1422.

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.....in3
Model	SAAB 96 SEDAN	Serial No of chassis	370000	
Serial No of engine	370000	Manufacturer	SAAB AKTIEBOLAG	
Recognition is valid from	Manufacturer	SAAB AKTIEBOLAG	
		List	

The manufacturing of the model described in this recognition form was started on .15.7. 1965. and the minimum production of 5000 identical cars, in accordance with the specifications of this form was reached on .1.2. 1965

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

on19 .. rec.N°	List	on19 .. rec.N°	List.....
on19 .. rec.N°	List	on19 .. rec.N°	List
on19 .. rec.N°	List	on19 .. rec.N°	List
on19 .. rec.N°	List	on19 .. rec.N°	List
on19 .. rec.N°	List	on19 .. rec.N°	List

Stamp and signature of the
National Sporting Authority

Stamp and signature of the F.I.A.



4/11 1965
KUNGL. AUTOMOBIL KLUBBEN
Tillingssekretariatet

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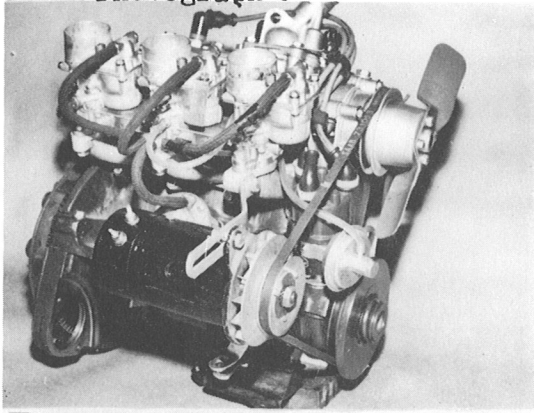


Make SAAB

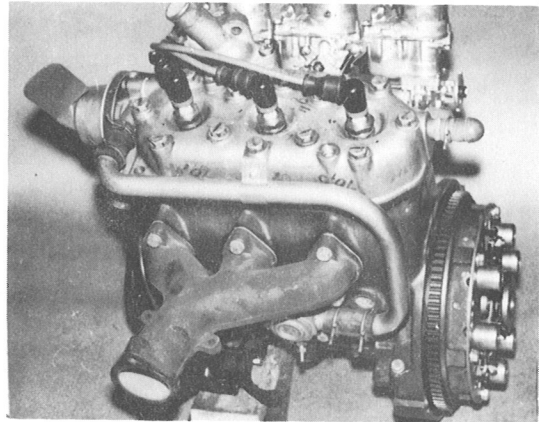
Model 96 SEDAN

F.I.A. Rec. No

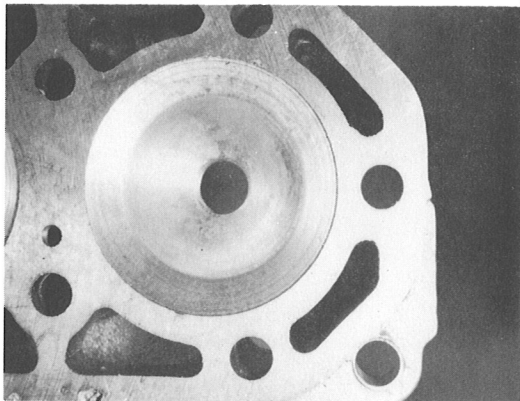
Photograph J



Photograph K



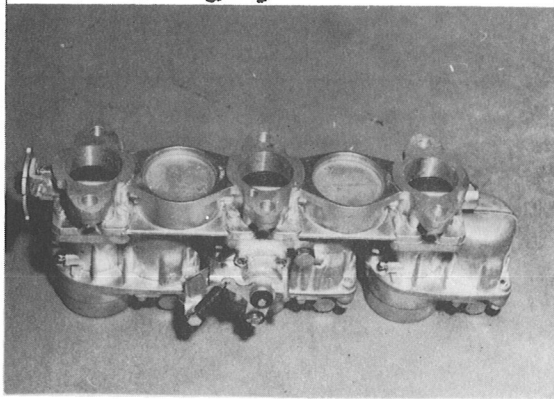
Photograph L



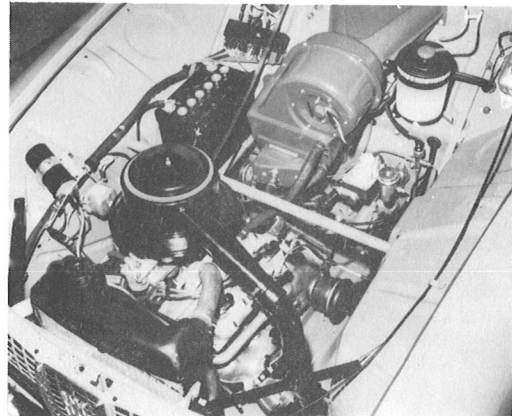
Photograph M



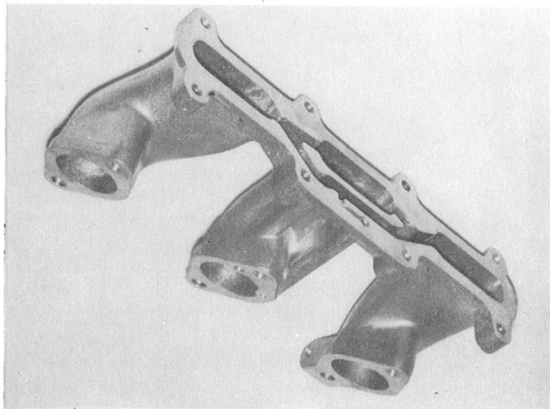
Photograph N



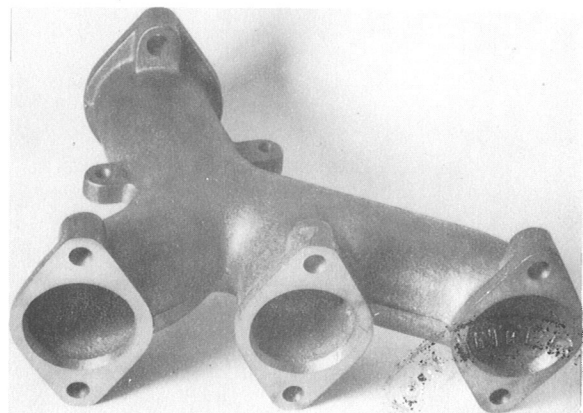
Photograph O



Photograph P



Photograph Q



Make SAAB

Model

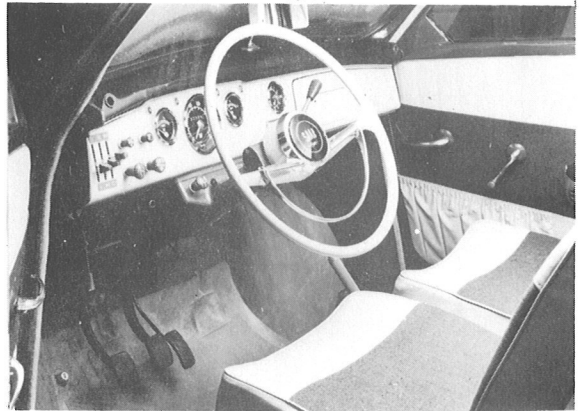
96 SEDAN

F.I.A. Rec. N°

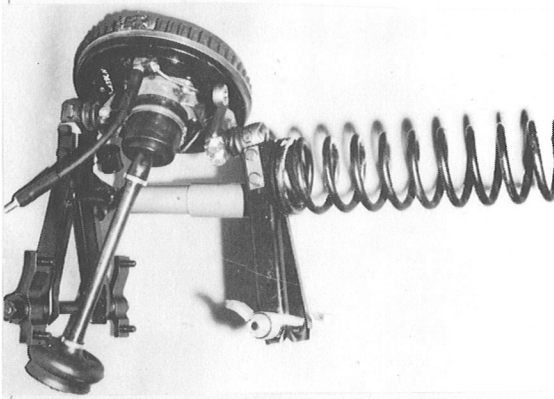
Photograph B



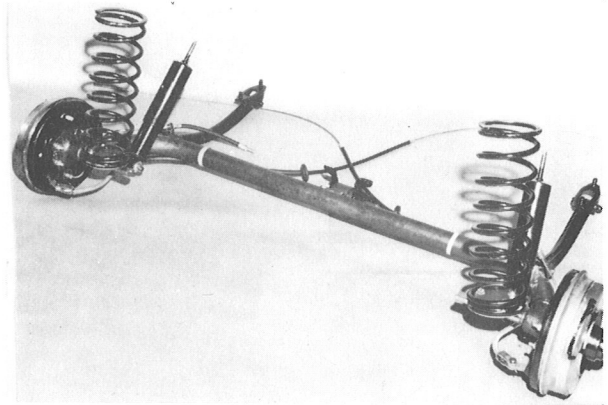
Photograph C



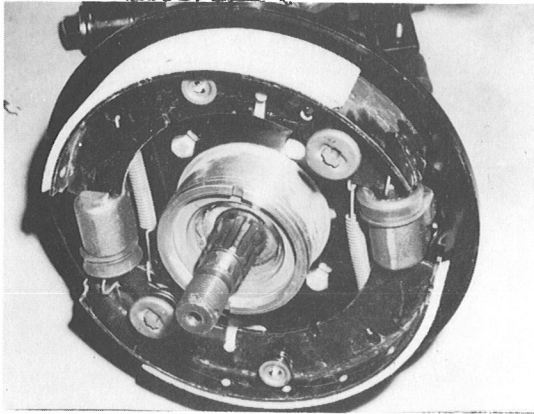
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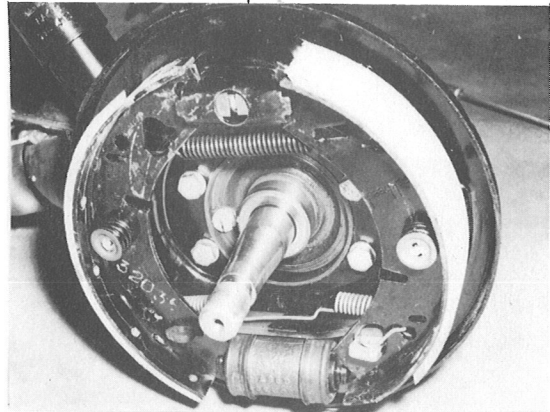
Photograph E



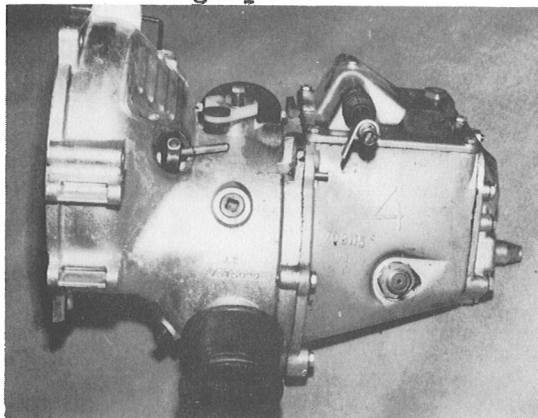
Photograph F



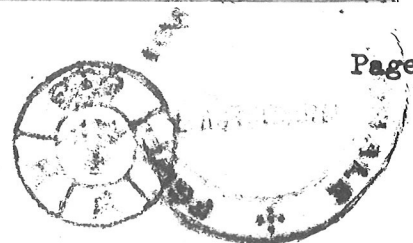
Photograph G



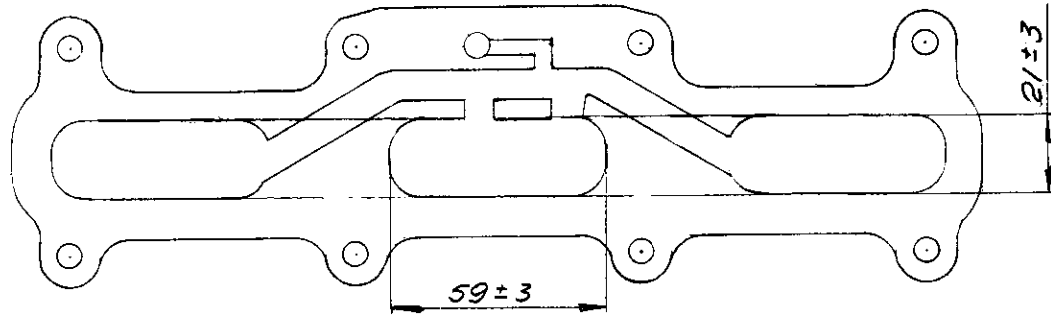
Photograph H



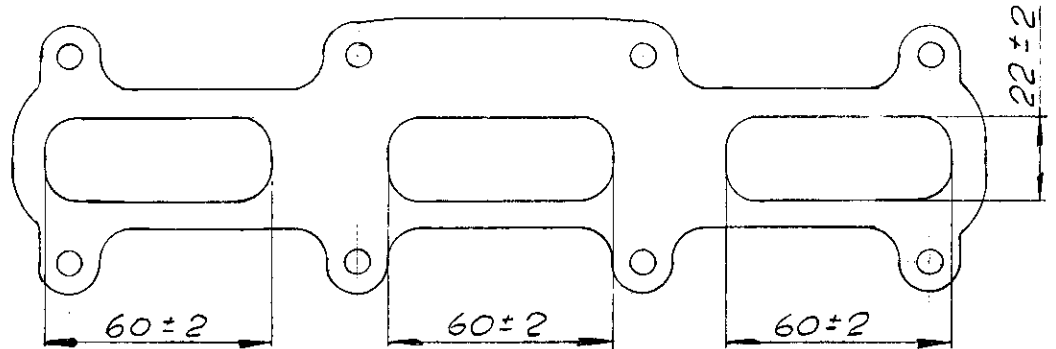
Photograph I



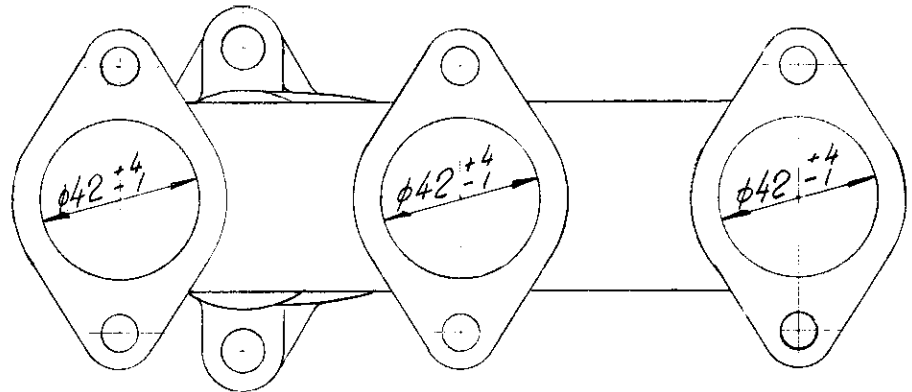
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



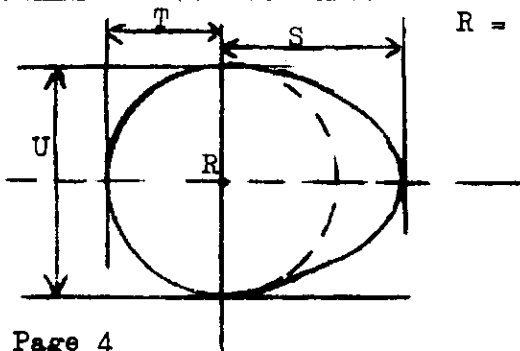
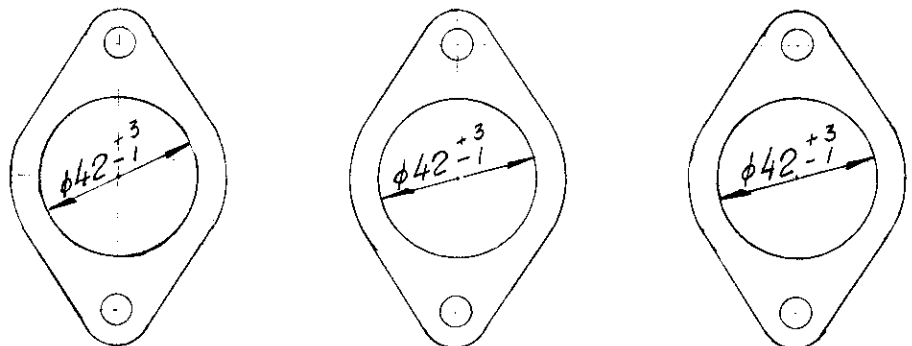
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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



Drawing of exit to exhaust port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



R = centre of camshaft.

Inlet cam

S = mm inches
 T = mm inches
 U = mm inches

Exhaust cam

S = mm inches
 T = mm inches
 U = mm inches



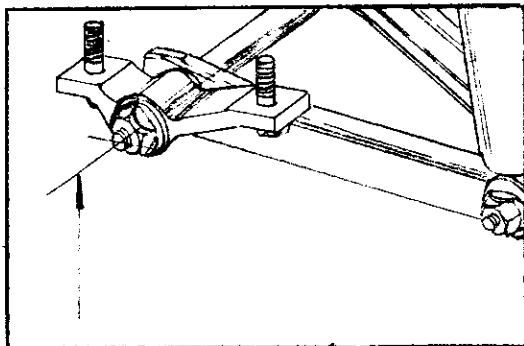
IMPORTANT - the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.

CAPACITIES AND DIMENSIONS

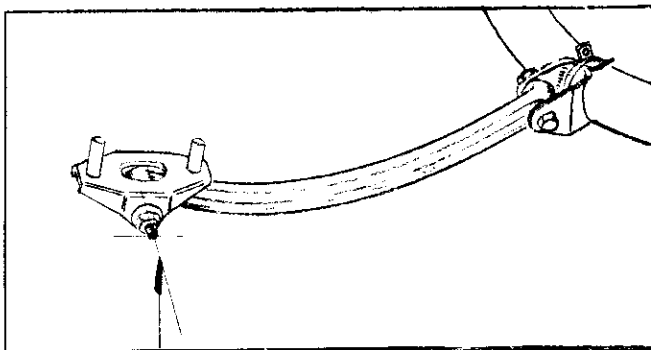
- 1. Wheelbase 2498 mm 98,35 inches
- 2. Front track 1220 mm 48,03 inches *
- 3. Rear track 1220 mm 48,03 inches *
- 4. Overall length of the car 417 cm inches
- 5. Overall width of the car 158 cm inches
- 6. Overall height of the car 147 cm inches
- 7. Capacity of fuel tank (reserve included) 40 litres
 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 :
 770 kg 1698 lbs cwt

*) Differences in track caused by the use of other wheels with different rim widths must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognizable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.

With 4.1/2 inch rims track 1270 mm (camber +3/4°)



Front. Distance from ground to fixed pivot of lower swingarm 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 litres
1 foot/pied	- 30.4794 cm	1 pint (pt)	- 0.568 litres
1 square inch/pouce carré	- 6.452 cm ²	1 gallon Imp.	- 4.546 litres
1 cubic inch/pouce cube	- 16.387 cm ³	1 gallon US	- 3.785 litres
1 pound/livre (lb)	- 453.593 gr.	1 hundred weight (cwt)	- 50.802 kg



SUSPENSION

- 70. Front suspension (photogr. D), type INDEPENDENT
- 71. Type of spring COIL SPRING
- 72. Stabiliser (if fitted)
- 73. Number of shock absorbers 2 74. Type TELESCOPIC
- 78. Rear suspension (photogr. E), type U-SHAPED RIGID BACKAXLE
- 79. Type of spring COIL SPRING
- 80. Stabiliser (if fitted) NO
- 81. Number of shock absorbers 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)	20,32 mm	in.	19,05 mm	in.
Drum brakes				
95. Inside diameter	228,6 mm	in.	203,2 mm	in.
96. Length of brake linings	218,9 mm	in.	195,8 mm	in.
97. Width of brake linings	44,5 mm	in.	36,6 mm	in.
98. Number of shoes per brake	2		2	
99. Total area per brake	19500 mm ²	sq.in.	14300 mm ²	sq.in.
Disc brakes				
100. Outside diameter	mm	in.	mm	in.
101. Thickness of disc	mm	in.	mm	in.
102. Length of brake linings	mm	in.	mm	in.
103. Width of brake linings	mm	in.	mm	in.
104. Number of pads per brake				
105. Total area per brake	mm ²	sq.in.	mm ²	sq.in.



Make SAAB

Model 96 SEDAN

F.I.A. Rec. N°

ENGINE (photographs J and K)

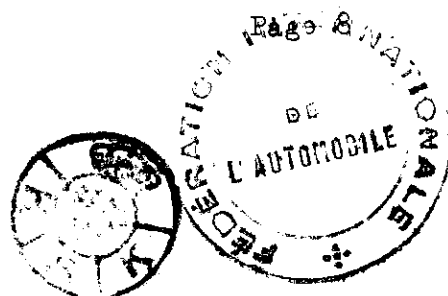
- 130. Cycle TWO STROKE
- 131. Number of cylinders 3
- 132. Cylinder arrangement IN LINE
- 133. Bore $70^{+0,013}_{-0,046}$ mm 2,76 in. 134. Stroke $72,9^{+0,07}_{-0,03}$ mm 2,87 in.
- 135. Capacity per cylinder 281 cm3 17,1 cu.in.
- 136. Total cylinder-capacity 842 cm3 51,4 cu.in.
- 137. Material(s) 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 8,5
- 143. Volume of one combustion chamber $44,3$ cm3 cu.in.
- 144. Piston, material ALUMINIUM ALLOY 145. Number of rings 3
- 146. Distance from gudgeon pin centre line to highest point of piston crown
 $51,1,45$ mm inches
- 147. Crankshaft : moulded / stamped 148. Type of crankshaft : integral/built up.
- 149. Number of crankshaft main bearings
- 150. Material of bearing cap
- 151. System of lubrication : dry sump / oil in sump OIL MIXED IN PETROL (PETROL)
- 152. Capacity, lubricant 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. 25 cm inches
- 157. Number of blades of cooling fan 2

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) 3,7 kg lbs
- 161. Flywheel with clutch (all turning parts) 7,1 kg lbs
- 162. Crankshaft $12,5^{+0,2}_{-0,1}$ kg lbs 163. Connecting rod $0,280^{+0,008}$ kg lbs
- 164. Piston with rings and pin $0,418^{+0,02}$ kg lbs



Make SAAB

Model 95 SEDAN

F.I.A. Rec. N°

FOUR STROKE ENGINES

170. Number of camshafts 171. Location

172. Type of camshaft drive

173. Type of valve operation

INLET (see page 4) *

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 per cylinder

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 DRY FILTER CARTRIDGE

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 carburettors fitted 1 triple 211. Type DOWNDRAUGHT

212. Make SOLEX 213. Model 34 W

214. Number of mixture passages per carburettor 3 X 1

215. Flange hole diameter of exit port(s) of carburettor 34 mm in.

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

28 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

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



Make SAAB

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ENGINE ACCESSORIES

230. Fuel pump : ~~mechanical~~^{pneumatic} -and/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 ENGINE COMPARTMENT
241. Voltage of battery 12 volts

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

250. Max. engine output 42 (type of horsepower: DIN) at 4250 rpm
251. Maximum rpm 5200 output at that figure 40
252. Maximum torque 8.4 KPM at 3000 rpm
253. Maximum speed of the car 130 km/hour 81 miles/hour



Make SAAB

Model 96 SEDAN

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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 SAAB

271.N° of gear-box ratios forward 4 272.Synchronised forward ratios 4

273.Location of gear-shift ON STEERING COLUMN

274Automatic, 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	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-CROWNWHEEL)

291.Type of differential DIFFERENTIAL BEVEL GEAR

292.Type of limited slip differential (if fitted)

293.Final drive ratio 6,0 5,71

Number of teeth 6-36 7-40



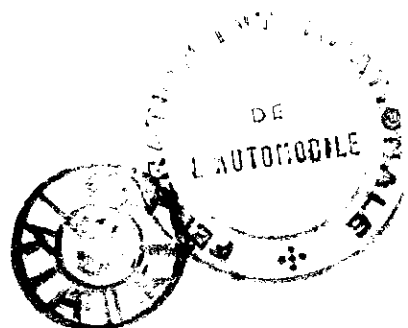
IMPORTANT - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162,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

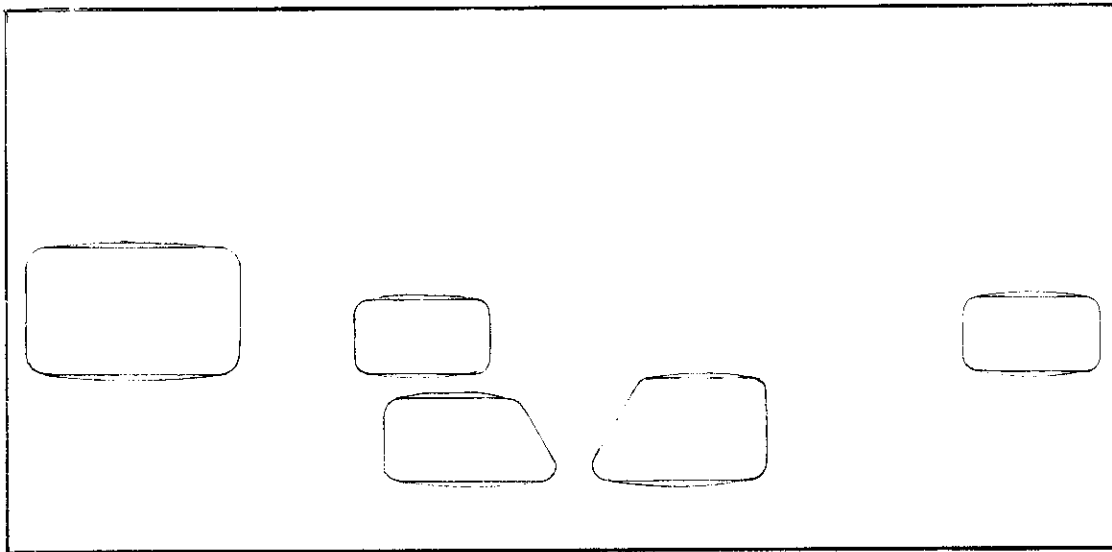
Windscreen of laminated glass	710281
Transverse torsion bar stabilizer	707638
Final drive ratio 5,43 (7-38)	781997
Wood-rimmed steering wheel	713158
4½ inch rims	785817
Disc brakes	718405, 718406
Protection plate	785824
Sun roof	

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



TWO STROKE ENGINES

- 300. System of cylinder scavenging SCHNORLE PRINCIPLE
- 301. Type of lubrication OIL MIXED IN PETROL/PETROIL
- 302. Inlet ports, length measured around cylinder wall $76,4^{+4}$ mm inches
- 303. Height inlet port $20,2^{+1,8}$ mm in. 304. Area 1148^{+202}_{-161} mm² (two ports) sq.in.
- 305. Exhaust ports, length measured around cylinder wall $42,5^{+2,5}_{-1,5}$ mm inches
- 306. Height exhaust port $25,2^{+1,8}$ mm in. 307. Area 1057^{+144} mm² sq.in.
- 308. Transfer port, length measured around cylinder wall $27,0^{+3}_{-1,22}$ mm inches
- 309. Height transfer port $14,8^{+1,8}$ mm in. 310. Area 394^{+98}_{-62} mm² (one port) sq.in.
- 311. Piston ports, length measured around piston mm inches
- 312. Height piston port mm in. 313. Area mm² sq.in.
- 314. Method of precompression CRANKCASE 315. Precompression cyl.: yes/no
- 316. Bore - mm inches 317. Stroke mm inches
- 318. Distance from top of cyl. block to highest point of exhaust port :
 $47,2^{+1,8}$ mm inches
- 319. Distance from top of cyl. block to lowest point of inlet port :
 $96,6^{+1,8}$ mm inches
- 320. Distance from top of cyl. block to highest point of transfer port :
 $57,6^{+1,8}$ mm inches
- 321. Drawing of cylinder ports.



330. Supercharging - state full details hereafter :

