15 OCT. 1965

F.I.A. Recognition N° 5106
Group 1

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer . SAAB AKTIEBOLAG
Serial N° of chassis . 370009
engine . 370009
Recognition is valid from ..... List .....

Cylinder-capacity . 842 cm3 . 51,4 in3
Model . SAAB 96 SEDAN
Manufacturer . SAAB AKTIEBOLAG
Manufacturer . SAAB AKTIEBOLAG

The manufacturing of the model described in this recofnition 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 1.9. 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			
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 .....

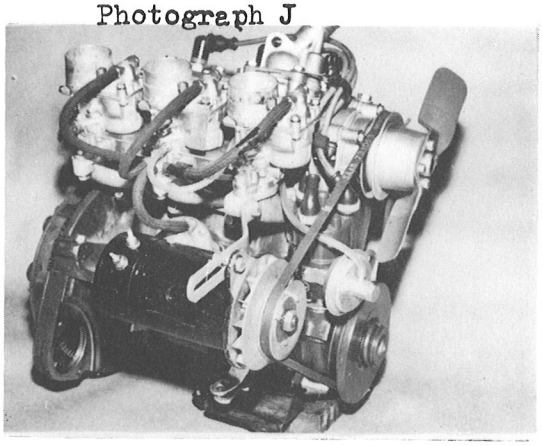
Stamp and signature of the
National Sporting Authority

4/11 1965

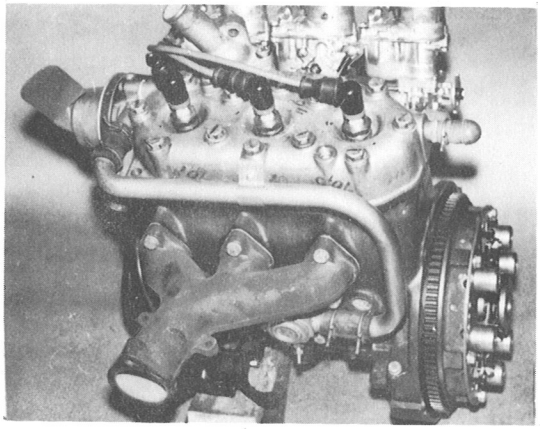
KUNGL AUTOMOBIL KLUBBEN
Tävlingssekretariatet

Stamp and signature of the F.I.A.

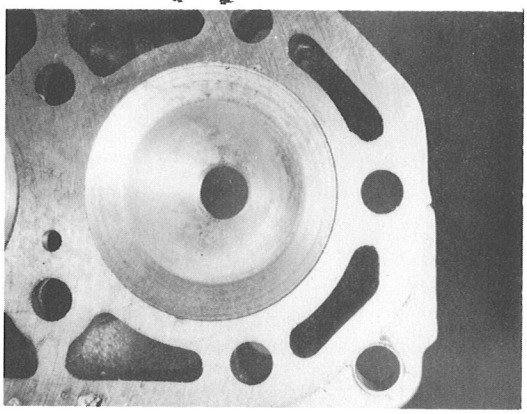
Photograph J



Photograph K

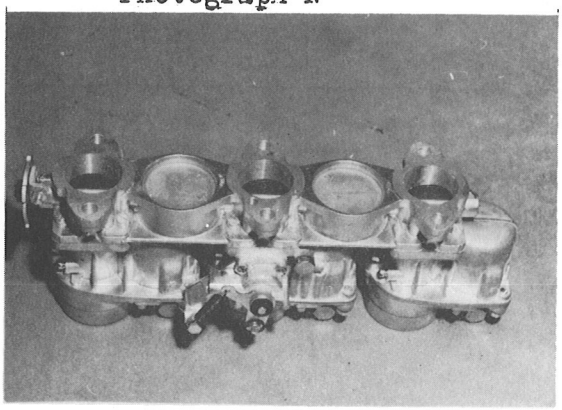


Photograph L

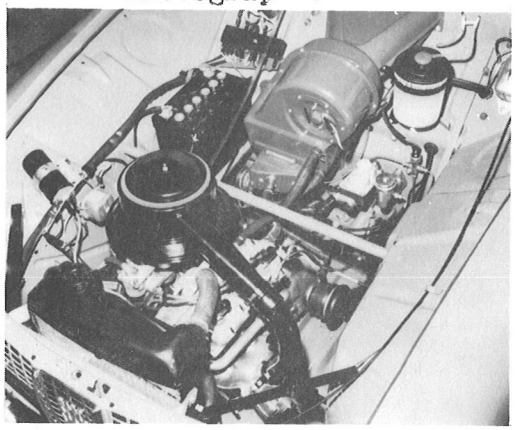


Photograph M

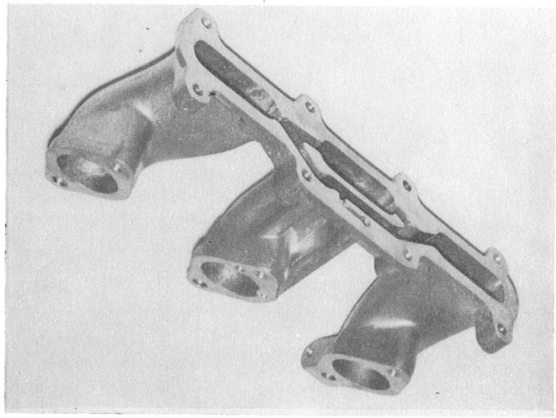
Photograph N



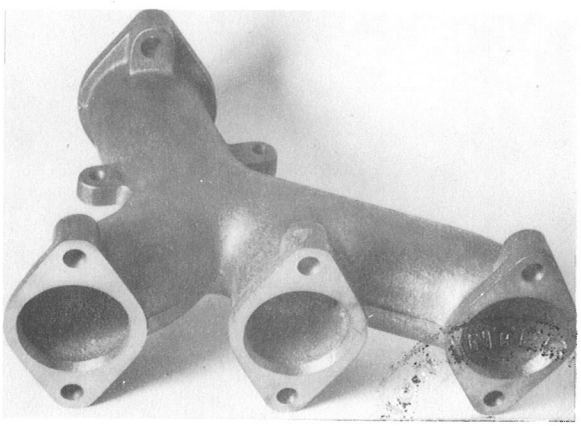
Photograph O



Photograph P

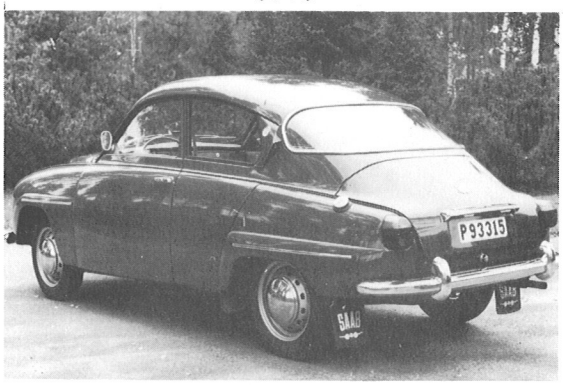


Photograph Q

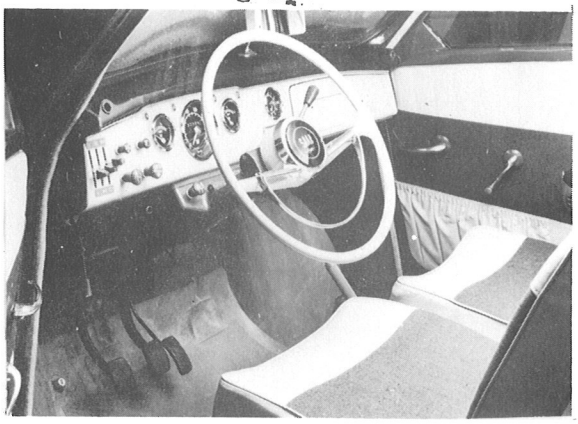


Make SAAB Model 96 SEDAN F.I.A. Rec. N°

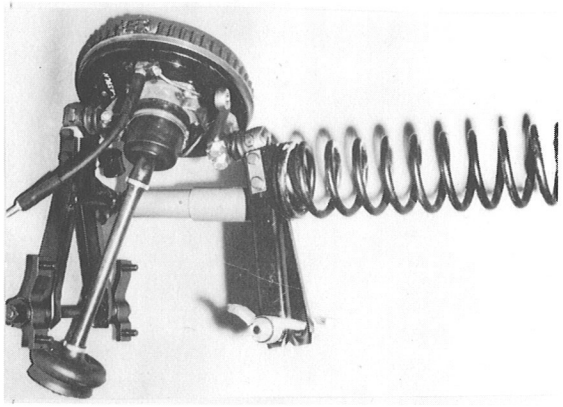
Photograph B



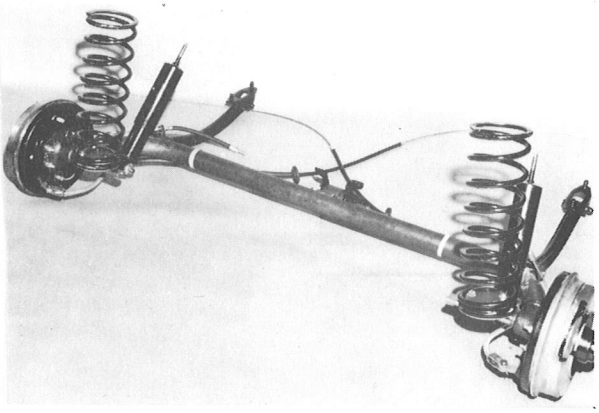
Photograph C



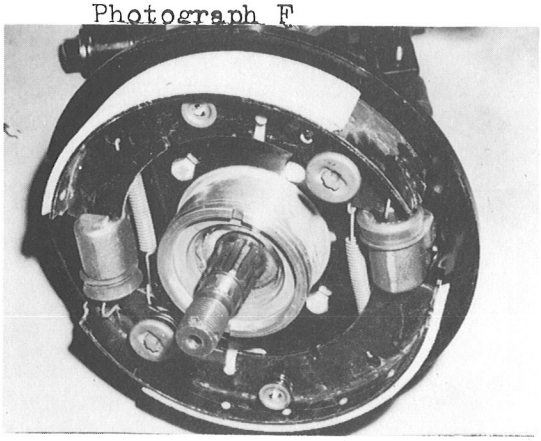
Photograph D



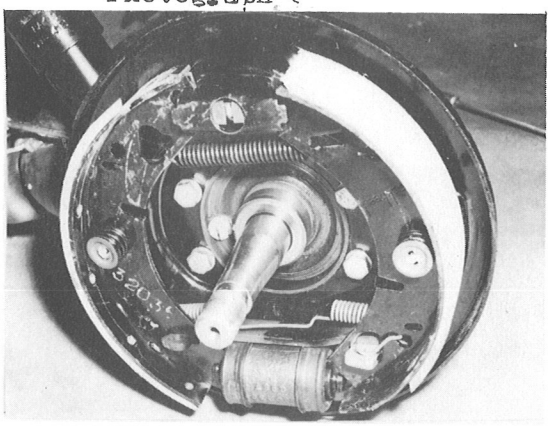
Photograph E



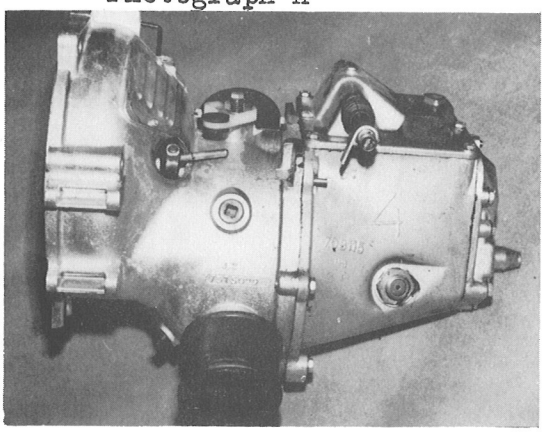
Photograph F



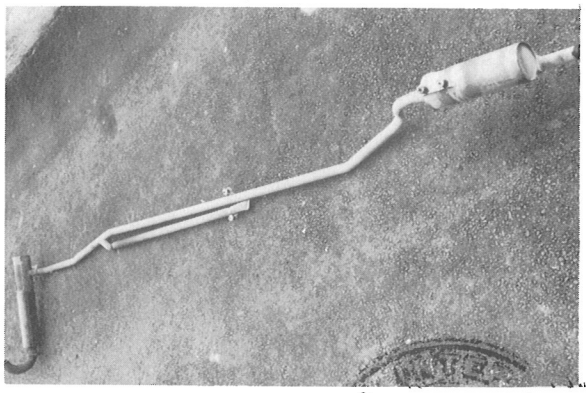
Photograph G



Photograph H

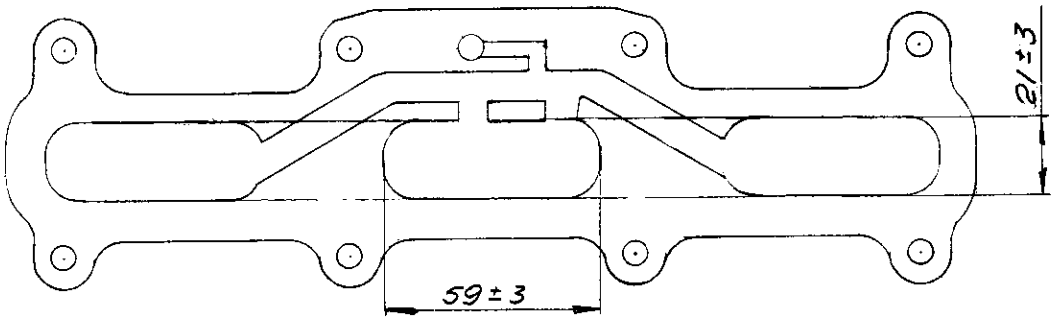


Photograph I

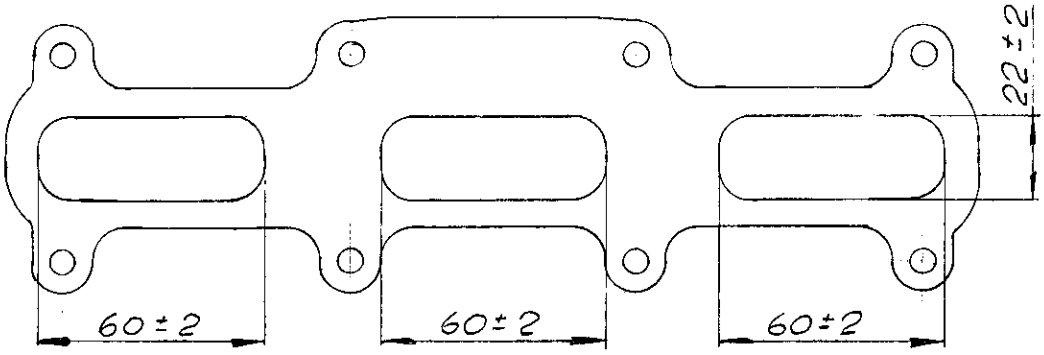


Make SAAB **Model** 96 SEDAN **F.I.A. Rec. N°**

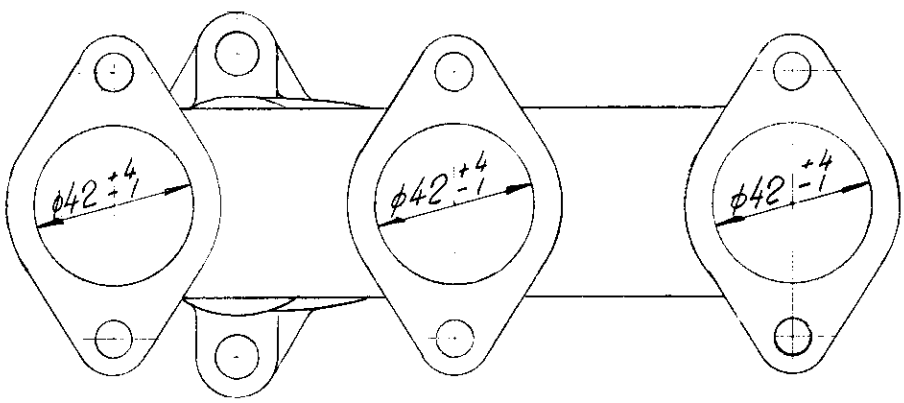
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



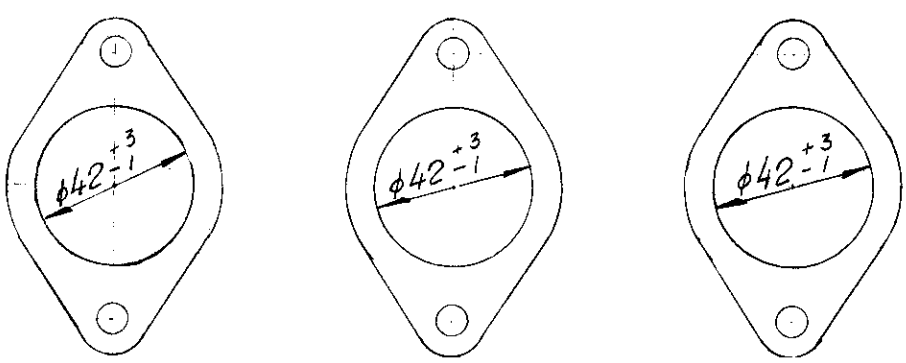
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

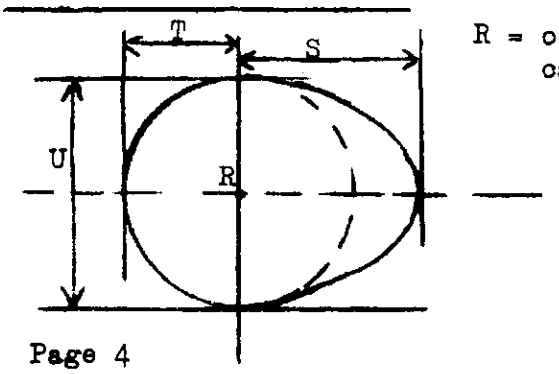


Drawing exhaust manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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





R = oentre of camshaft.

Inlet cam

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

Exhaust cam

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

Make SAAB **Model** 96 SEDAN **F.I.A. Rec. N°**

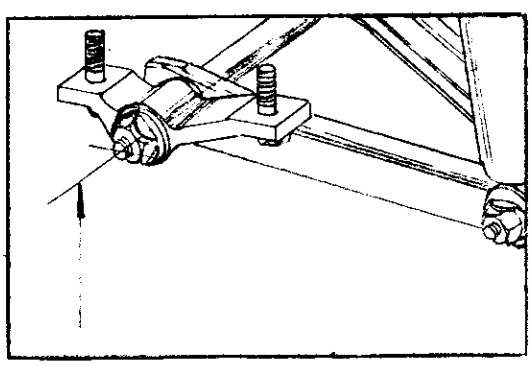
IMPORTANT - **the underlined items must be stated in two measuring systems, one of which must be the metric system. See conversion table hereafter.**

CAPACITIES AND DIMENSIONS

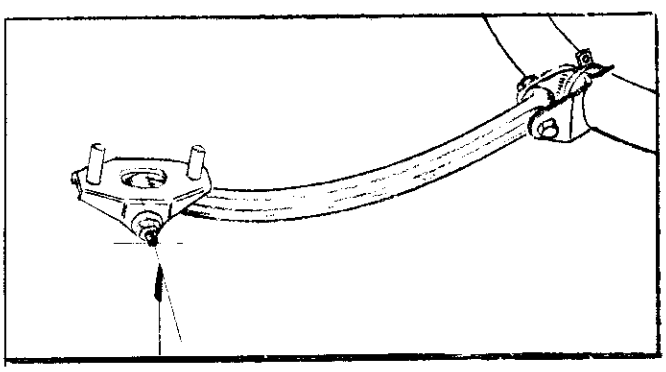
1. Wheelbase 2498 mm 98,35 inches
2. Front track 1220 mm 48,03 inches *
3. Rear track 1220 mm 48,03 inches *
4. Overall length of the car 417 cm inches
5. Overall width of the car 158 cm inches
6. Overall height of the car 147 cm inches
7. Capacity of fuel tank (reserve included) 40 ltrs
   10,5 Gallon US 8,8 Gallon Imp.
8. Seating capacityy 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 swingingarm 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 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 SAAB **Model** 96 SEDAN **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 PRESSED STEEL SHEET

24. Number of doors 2 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 TOUGHENED 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 CLOTH AND GALON

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 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) 6,2 kg lbs

52. Method of attachment BOLTED TO DRUM

53. Rim diameter 381 mm 15 inches

54. Rim width 101,6 mm 4 inches

STEERING

60. Type RACK & PINION

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

Make SAAB **Model** 96 SEDAN F.I.A. Rec. N°

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)** NO

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)**	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	mm2	sq.in.	14300	mm2	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**		mm2	sq.in.		mm2	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 om3 17,1 cu.in.

136. Total cylinder-capacity 842 om3 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 (PETROIL)

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 rod, big end, type ROLLER BEARING Dia. 40/28 mm in.

Weights

160. Flywheel (clean) 3,7 kg lbs

161. Flywheel with clutch (all turning parts) 7,1 kg lbs

162. Crankshaft 12,5 ~~15,2~~ 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 triple 211. Type DOWNDRAUGHT

212. Make SOLEX 213. Model 34 W

214. Number of mixture passages per caburettor 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 injectrrs

225. Minimum diameter of inlet pipe mm inches

---

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

Make SAAB Model 96 SEDAN F.I.A. Rec. N°

ENGINE ACCESSORIES

230.Fuel pump : pneumatic ~~mechanical 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 **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 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	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

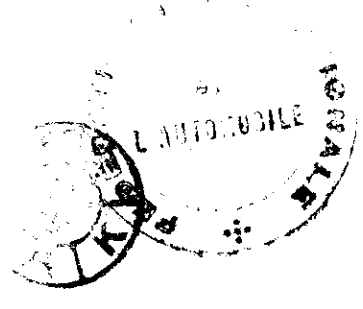
290. Type of final drive BEVEL GEAR (PINION-CROWNWHEEL)

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



Make SAAB Model 96 SEDAN F.I.A. Rec. N°

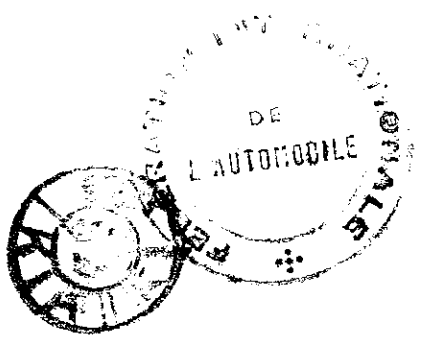
IMPORTANT - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) : 41, 72, 80, 91, 142, 143, 144, 145, 146, 153, 156, 157, 160, 161, 162,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

Windscreen of laminated glass	710281	
Transverse torsion bar stabilizer	707638	Group 2 only
Final drive ratio 5,43 (7-38)	781997	
Wood-rimmed steering wheel	713158	
4½ inch rims	785817	
Protection plate	785824	Group 2 only
Sun roof		

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



Make SAAB **Model** 96 SEDAN **F.I.A. Rec. N°**

TWO STROKE ENGINES

300. System of cylinder **scavenging** SCHNÜRLE PRINCIPLE

301. Type of lubrication OIL MIXED IN PETROL/PETROIL

302. Inlet ports, length **measured** around cylinder **wall** $76,4 \pm 4$ mm **inches**

303. Height inlet port $20,2 \pm 1,8$ 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 $25,2 \pm 1,8$ mm in. 307. **Area** 1057^{+144} mm2 **sq.in.**

308. Transfer port, length measured around cylinder **wall** $27,0^{-122}_{-1}+3$ mm **inches**

309. Height transfer port $14,8 \pm 1,8$ 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

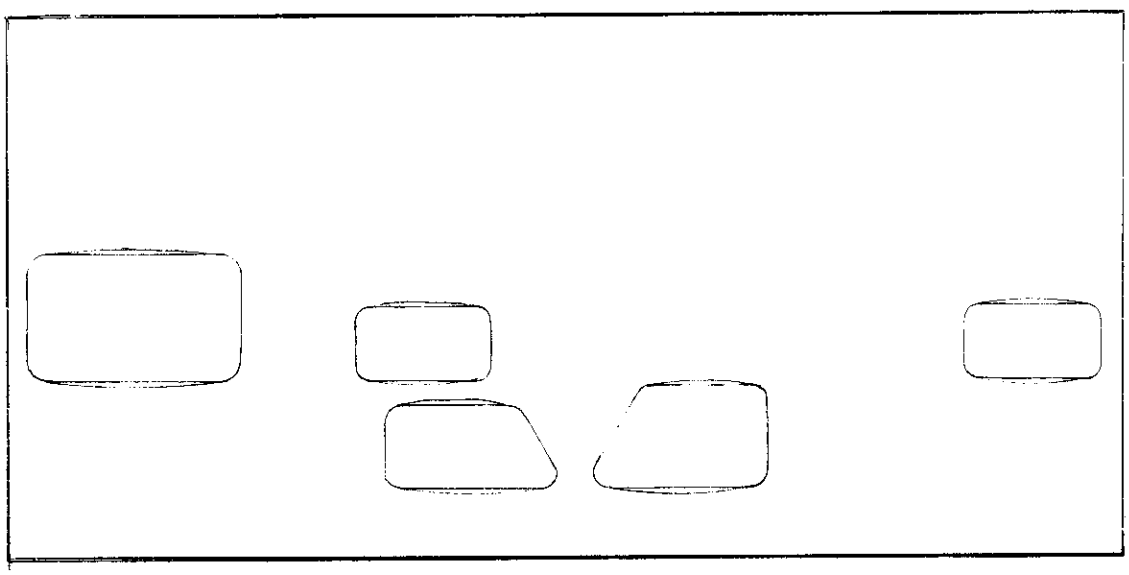
316. Bore - mm **inches** 317. Stroke mm **inches**

318. Distance from top of cyl. block to highest point of exhaust port :
$47,2 \pm 1,8$ mm **inches**

319. Distance from top of cyl. block to lowest point of inlet port :
$96,6 \pm 1,8$ mm **inches**

320. Distance from top of cyl. block to highest point of transfer port :
$57,6 \pm 1,8$ mm **inches**

321. Drawing of cylinder ports.



330. Supercharging - state full details hereafter :

F.I.A. Recognition No. ..... Variant

Group .....

FEDERATION INTERNATIONALE DE L' AUTOMOBILE

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

- - - - - - - - - - - - - - - - - -

Manufacturer ..SAAB AKTIEBOLAG..... Model .....SAAB 96 SEDAN.....

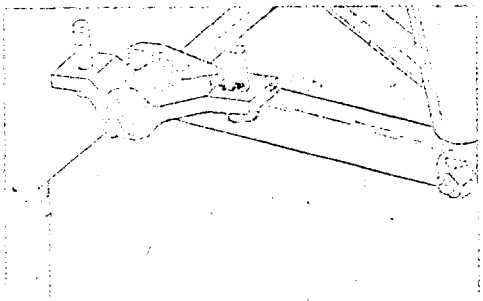
Serial No. of chassis ..3709[illegible]..... Manufacturer SAAB AKTIEBOLAG.....
engine ..3709[illegible]..... Manufacturer SAAB AKTIEBOLAG.....

Recognition is valid from ../.. 19 .. List .....

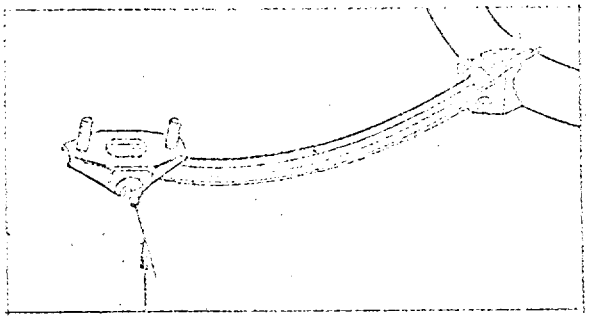
Final drive ratio 5,14:1	(7-36)	783629	Not valid when car entered in group 1
Final drive ratio 4,88:1	(6-39)	784729	- " -
4½ inch rims		785817	- " -
[redacted]		[redacted]	- " -
Diaphragm spring clutch		785829	- " -
Twin fuel pumps		712494, 718706	- " -

} specifications to be added!

With 4½ inch rims - track: 1270 mm



Front: Distance from ground to fixed pivot of lower swinging arm
235 mm



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

Stamp and signature of the National Sporting Authority:

Stamp and signature of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

5106 A/V

Make SAAB Model 96 SEDAN 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, 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 (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.

1st July 1966
List 14/6

Transverse torsion bar stabilizer 707638
Final drive ratio 5,43 (7-38) 781997

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

F.I.A. Recognition No. 5106 (1422) B/V

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Form of recognition (extension) in accordance with Appendix J to the International Sporting Code

- - - - - - - - - - -

Manufacturer ..... SAAB AKTIEBOLAG ..... Model ..... SAAB 96 SEDAN .....

Chassis ..... 420001 .....

Serial No. inaugurating this extension

Engine ..... 400000 .....

Manufacturing date of the first vehicle constructed with the modifications ..... 1.6 ..... 19 66 .....

Commercial denomination of modified model ..... SAAB 96 SEDAN (1967) .....

This extension of recognition is considered: variation - normal development of original vehicle type

Recognition is valid from 1st Nov. 19 66 List 15/1

Descriptions of modifications:

Front disc brakes:

Number of cylinder per wheel	1	
Bore of wheel cylinder	50,8	mm
Outside diameter	267	mm
Thickness of disc	9,6	mm
Length of brake linings	93	mm
Width of brake linings	42	mm
Number of pads per brake	2	
Total area per brake	6500	mm2
Bore of rear wheel cylinder	15,9	mm

Alternator

Optional equipment

70 liter fuel tank — Not valid when car entered in group 1

Signature and stamp of the National Sporting Authority:

Signature and stamp of the F.I.A:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE