FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE

FICHE D'HOMOLOGATION CONFORME A L'ANNEXE J DU CODE SPORTIF INTERNATIONAL
POUR LES VOITURES DES GROUPES 1 A 5

BOOK OF RECOGNITION IN ACCORDANCE WITH APPENDIX J TO THE INTERNATIONAL
SPORTING CODE FOR CARS OF GROUPS 1 TO 5

Constructeur/Manufacturer: SAAB-SCANIA AB — Modèle / Model: SAAB 99 SEDAN TURBO

Cylindrée / Cylinder capacity: 1985 (2780)

Constructeur du châssis / Chassis Manufacturer: SAAB-SCANIA AB

Constructeur du moteur / Engine Manufacturer: SAAB-SCANIA AB

Homologation valable à partir du / Recognition valid as from: -1.JAN.1980 FISA : Transfert en Gr.A

Modèle homologué en groupe / Model recognized in group: 1

Numéro d'homologation / Recognition number: 5771

Photo A : voiture vue de 3/4 AV
Photo A : 3/4 view of car from front

Photo B : voiture vue de 3/4 AR
Photo B : 3/4 view of car from rear

CARACTÉRISTIQUES GÉNÉRALES / GENERAL CHARACTERISTICS :

1) Mode de construction : construction séparée / monocoque.
Type of car construction : separate / unitary construction.

2) Matériau du châssis / Material of chassis: Steel — Matériau de la carrosserie / Material of coachwork: Steel

3) Empattement droit / Wheelbase right: 2473 mm — Gauche / Left: 2473 mm

4) Largeur de la carrosserie mesurée aux axes AV / Width of bodywork measured at front axle: 1650 mm

5) Largeur de la carrosserie mesurée aux axes AR / Width of bodywork measured at rear axle: 1690 mm

6) Longueur hors-tout avec pare-chocs / Overall length with bumpers: 4420 mm — Sans pare-chocs / Without bumpers: 4250 mm

7) Type de suspension : AV / Type of suspension : Front: Independent — AR / Rear: Rigid axle with trailing arms

(Photo D)

(Photo E)

Signature et cachet de l'autorité sportive nationale,

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE SPORT FEDERATION

Signature et cachet de la F.I.A.,

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE ★ C.S.I.

NOTA : Les pages 1 à 7 comportant toutes les indications nécessaires à la vérification technique pour les Groupes 2 et 4.
Pages 1 to 8 include all necessary information for the scrutineering of cars for Groups 2 and 4.

Marque / Make SAAB Modèle / Model 99 SEDAN TURBO N° 5771

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MOTEUR :

8) Cycle: 4 stroke

9) Nombre et disposition des cylindres / Number and disposition of cylinders: 4 in line

10) Système de refroidissement / Cooling system: Water cooling

11) Emplacement et position du moteur / Location and position of engine: Front in line

12) Matériau du bloc moteur / Material of engine block: Cast iron

13) Roues motrices : AV - AR / Drive wheels : Front - Rear: Front

14) Emplacement de la boîte de vitesses / Location of gear-box: Below the engine in a compact unit

CARROSSERIE ET ÉQUIPEMENT INTÉRIEUR / COACHWORK AND INTERIOR

20) Nombre de portes / Number of doors: 2

21) Matériau des portes : AV / Material of doors : Front: Steel sheet — AR / Rear:

22) Matériau du capot moteur / Material of bonnet: Steel sheet

23) Matériau du capot coffre / Material of boot lid: Steel sheet

24) Matériau de la lunette AR / Material of rear window: Safety glass

25) Matériau du pare-brise / Material of windscreen: Laminated glass

26) Matériau des glaces des portières AV / Material of front door windows: Safety glass

27) Matériau des glaces des portières AR / Material of rear door windows: -

28) Système d'ouverture des vitres portières AV / Sliding system of door windows Front: Wheel and lever mechanism — AR / Rear: mechanical

29) Matériau des glaces de custode / Material of rear quarter lights: Safety glass

30) Poids siège (s) AV (enlevés de la voiture avec dossiers, glissières et supports) / Weight of front seat(s) (complete with supports and rails, out of the car): 15.5 kg

31) Matériau du pare-choc AV / Front bumper material: Plastic, aluminium, rubber — Poids / Weight: 10.0 kg

32) Matériau du pare-choc AR / Rear bumper material: Plastic, aluminium, rubber — Poids / Weight: 9.0 kg

33) Ventilation : oui non / yes no.

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DIRECTION / STEERING

40) Type — Rack and pinion

41) Servo-assistance — No

SUSPENSION

45) Suspension AV (photo D) Type de ressort / Front suspension (photo D) Type of spring — Coil spring

46) Nombre d'amortisseurs / Number of shock absorbers — 2

47) Suspension AR (Photo E) Type de ressort / Rear suspension (Photo E) Type of spring — Coil spring

48) Nombre d'amortisseurs / Number of shock absorbers — 2

49) Système de fixation des roues / Method of fixation of wheels — Bolt and nut

FREINS - BRAKES

50) Système / Method of operation — Hydraulic

51) Servo frein (si prévu) Type : / Servo assistance (if fitted) Type : — Vacuum

52) Nombre de maîtres-cylindres / Number of master-cylinders — 1 tandem type

	AVANT / FRONT	ARRIERE / REAR
53) Nombre de cylindres par roue / Number of cylinders per wheel	1	2
54) Alésage / Bore	54 mm	30 mm
Freins à tambour / Drum brakes		
55) Diamètre intérieur / Inside diameter		
56) Nombre de mâchoires par frein / Number of shoes per brake		
57) Surface de freinage par frein / Total area per brake		
Freins à disques/Disc brakes		
58) Largeur des sabots / Width of brake linings	52 mm	39 mm
59) Nombre de sabots par frein / Number of pads per brake	2	2
60) Surface de freinage par frein / Total area per brake	70450 mm^2	54 750 mm^2

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Marque / Make SAAB Modèle / Model 99 SEDAN TURBO N° 5771

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MOTEUR / ENGINE

65) Alésage / Bore: 90 mm

67) Course / Stroke: 78 mm

68) Cylindrée totale / Total cylinder-capacity: 1985 (2780)

69) Cylindrée maximum autorisée / Maximum cylinder-capacity allowed: 2012 (2816)

70) Culasse : matériau / Head : material: Aluminium

71) Nombre / Number: 1

72) Type de vilebrequin / Type of crankshaft: Integral

Coulé / estampé / Moulded / stamped: Stamped

73) Nombre de paliers de vilebrequin / Number of crankshaft main bearings: 5

74) Diamètre maximal des manetons de vilebrequin / Maximum diameter of the big end journal: 52 mm

75) Tête de bielle : type / Connecting rod big end type: Shell diamètre: 52 mm

76) Matériau des chapeaux des paliers de vilebrequin / Material of bearing cap: Cast iron

77) Matériau du volant moteur / Material of flywheel: Steel

78) Matériau du vilebrequin / Crankshaft material: Steel

79) Materiau de la bielle / Connecting rod material: Steel

80) Système de graissage : carter sec - carter humide / Lubrication system : ~~dry sump~~ - oil in sump: Oil in sump

81) Nombre de pompes à huile / Number of oil pumps: 1

Moteur 4 temps / 4 stroke engines

82) Nombre d'arbres à cames / Number of camshafts: 1

Emplacement / Location: Overhead

83) Système de commande / Type of camshaft drive: Chain

84) Système de commande des soupapes / Type of valve operation: Cam to tappet

85) Nombre de soupapes d'admission par cylindre / Number of inlet valves per cylinder: 1

86) Nombre de soupapes d'échappement par cylindre / Number of exhaust valves per cylinder: 1

87) Nombre de distributeurs / Number of distributors: 1

88) Nombre de bougies par cylindre / Number of spark plug per cylinder: 1

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TRANSMISSION AUX ROUES / DRIVE TRAIN

Embrayage / Clutch

90) Nombre de disques / Number of plates: 1

91) Système de commande / Method of operating clutch: Hydraulic

Boite de vitesses / Gear-box

92) Contrôle manuel, marque / Manual type, make: SAAB-SCANIA

93) Nombre de rapports AV / Number of gear-box ratios forward: 4

94) Boite automatique, marque / Automatic, make: Borg-Warner

95) Nombre de rapports AV / Number of gear-ratios forward: 3

96	Manuelle / Manual		Automatique		Supp. manuel / Automatique			
	Rapport Ratio	N. dents Nr teeth	Rapport Ratio	N. dents Nr teeth	Rapport Ratio	N. dents Nr teeth	Rapport Ratio	N. dents Nr teeth
1	3.44	33/18 · 30/16			2.20	27/23 · 30/16		
2	2.07	33/18 · 26/23			1.53	27/23 · 26/20		
3	1.39	33/18 · 22/29			1.22	27/23 · 25/24		
4	1.00				1.00			
5								
6								
M. AR / Rev.	3.78	33/18 · 33/16			2.42	27/23 · 33/16		

97) Surmultiplication type / Overdrive type: -

98) Nombre de dents / Number of teeth: -

99) Rapport / Ratio:

100) Vitesses en marche AV avec surmultiplication / Forward gears on which overdrive can be selected:

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Pont/moteur / Final drive

101) Type du pont moteur / Type of final drive: Bevel gear

102) Type de différentiel / Type of differential: Bevel gear

103) Nombre de dents / Number of teeth: 35 - 9; 31 - 6; 34 - 7

104) Rapport / Ratio: 3.89; 5.17; 4.86

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Photo C

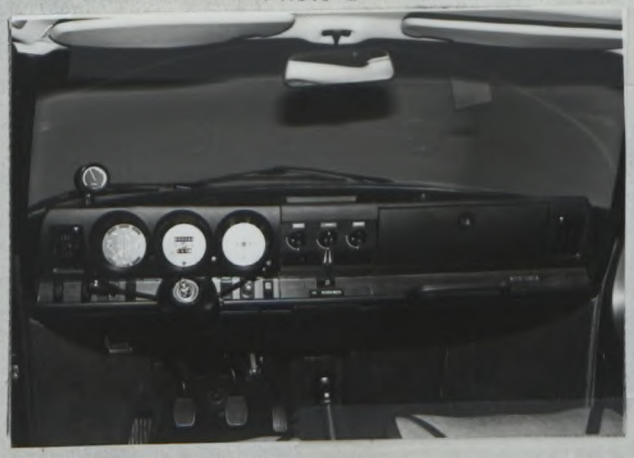
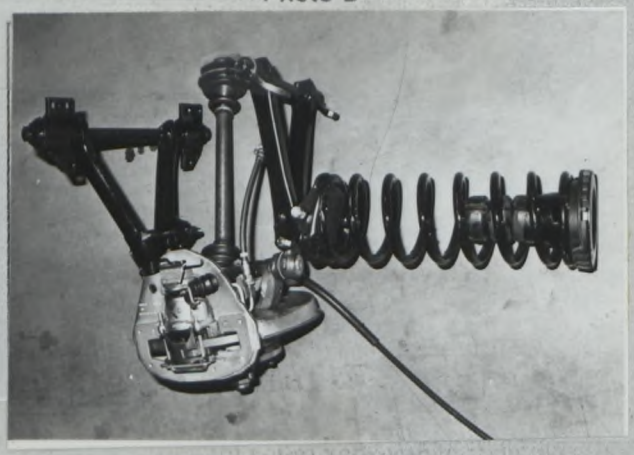


Photo D



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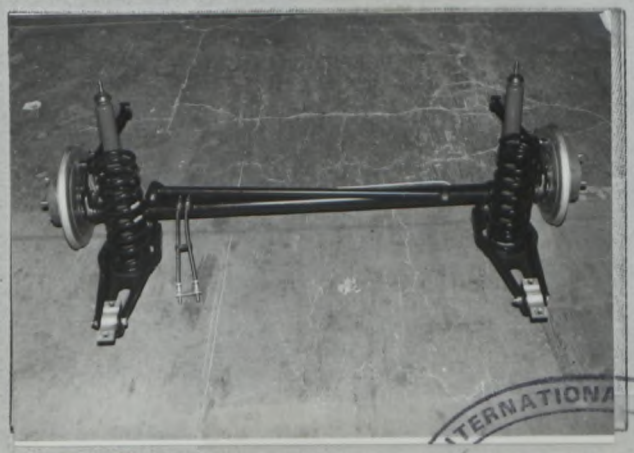
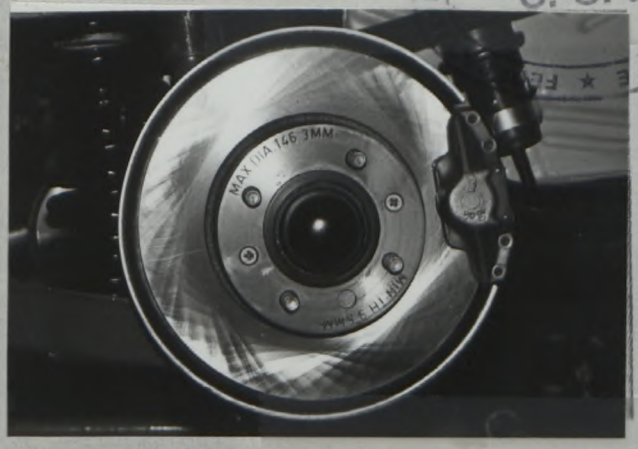


Photo F

Photo G



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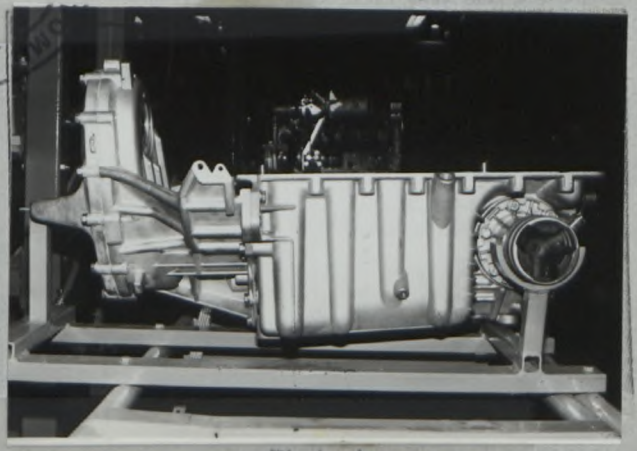

Photo I

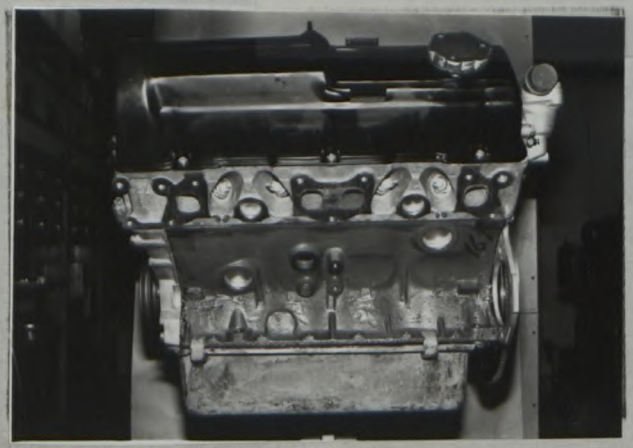

Photo J

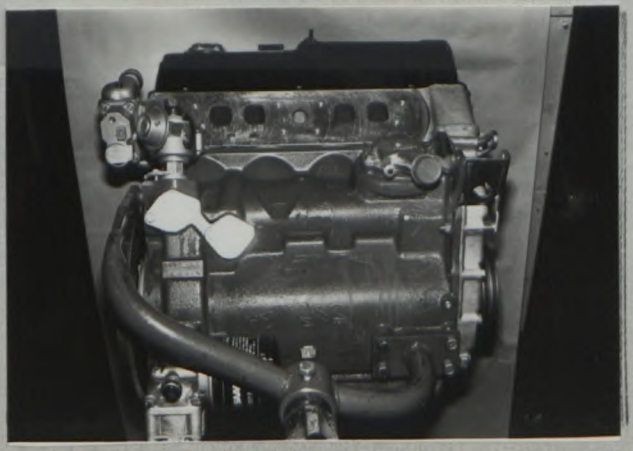

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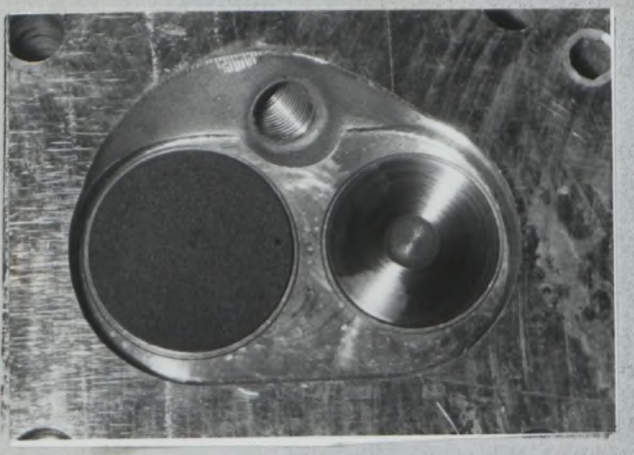
Photo K



Informations supplémentaires
Additional informations.

3) a. Overhang front 927 mm

b. Overhang rear 1020 mm

BRAKES

61) Thickness of discs front 12.8 ± 0.2 mm

rear 10.5 ± 0.2 mm

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COMPLÉMENT POUR LES GROUPES 1 ET 3
DU CODE SPORTIF INTERNATIONAL

ADDITIONAL DATA FOR GROUPS 1 AND 3
TO THE INTERNATIONAL SPORTING CODE

CAPACITÉS ET DIMENSIONS / CAPACITIES AND DIMENSIONS

110) Voie AV / Front track 1410 mm

111) Voie AR / Rear track 1440 mm

112) Garde au sol (pour vérification de la voie)
Ground clearance (for verification of the track) 175 mm

113) Hauteur hors-tout de la voiture / Overall height of the car 1440 mm

114) Capacité du réservoir d'essence (y compris la réserve)
Fuel tank capacity (including reserve) 55 litres

115) Nombre de places 5
Seating capacity

116) Poids 1080 kg
Weight

EQUIPEMENT ET GARNITURES / ACCESSORIES AND UPHOLSTERY

120) Chauffage intérieur : oui - non
Interior heating : yes - ~~no~~

121) Climatisation (sur option) : oui - non
Air conditioning (in option) : ~~yes~~ - no

122) Sièges AV : type
Front seats : type Single seats

123) Sièges AR : type
Rear seats : type Seat bench

ROUES / WHEELS

124) Matériau
Matérial Aluminium

125) Poids unitaire (roue nue)
Unitary weight (bare wheel) 7.0 kg (tolérance ± 5 %)

126) Diamètre de la jante
Rim diameter 381 mm

127) Largeur de la jante
Rim width 139.7 mm

SUSPENSION

130) Stabilisateur AV (si prévu)
Front stabilizer (if fitted) -

131) Stabilisateur AR (si prévu)
Rear stabilizer (if fitted) -

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MOTEUR / ENGINE

135) Cylindrée par cylindre / Capacity per cylinder — 496 cm^3

136) Chemises : oui / non
Sleeves : ~~yes~~ / no.

137) Nombre d'orifices d'admission par cylindres
Number of inlet ports per cylinder — 1

138) Nombre d'orifices d'échappement par cylindre
Number of exhaust ports per cylinder — 1

139) Rapport volumétrique
Compression ratio — 7.2:1 (± 0.4)

140a) Volume de la chambre de combustion (minimum)
Volume of the combustion chamber — 75 cm^3

140b) Volume de la chambre de combustion dans la culasse
Volume of combustion chamber in head — 48.5 ± 2 cm^3

141) Épaisseur du joint de culasse
Thickness of head gasket inter tightened — 1.2 ± 0.1 mm

142) Piston, matériau
Piston, material — Aluminium

143) Nombre de segments
Number of rings — 3

144) Distance de la médiane de l'axe du piston au sommet du piston
Distance from gudgeon pin center line to highest point of piston crown — 40 ± 0.5 mm

145) Capacité du réservoir - carter
Capacity, lubricant — 4.0 litres

146) Radiateur d'huile : oui - non
Oil cooler : yes - ~~no~~ — Yes

147) Capacité du circuit de refroidissement
Capacity of cooling system — 8.0 litres

148) Ventilateur (si prévu), diamètre — 282 mm — Materiau / Material — Plastic
Cooling fan (if fitted), diameter

149) Nombre de pales du ventilateur
Number of fan blades — 11

150) Paliers vilebrequin, type — Shell — diamètre / diameter — 58 mm
Crankshaft main bearings, type

151) Poids volant (nu)
Weight of flywheel (clean) — -

152) Poids du volant avec couronne de démarreur
Weight of flywheel with starter ring — 9.1 kg

153) Poids du volant avec embrayage
Weight of flywheel with clutch — 14.9 kg

154) Poids du vilebrequin
Weight of crankshaft — 16.0 kg

155) Poids de la bielle
Weight of con-rod — 0.81 kg

156) Poids du piston avec axe et segments
Weight of piston with rings and pin — 0.690 kg

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ADMISSION / INLET

160) Matériau du collecteur d'admission / Material of inlet manifold — Aluminium

161) Diamètre extérieur des soupapes / Outside diameter of valves — 42 ± 0.2 mm

162) Levée maximum des soupapes / Maximum valve lift — 9.83 mm

163) Nombre de ressorts par soupape / Number of springs per valve — 1

164) Type de ressort / Type of spring — Coil

165) Jeu théorique pour le calage de la distribution / Theoretical timing clearance — 0.20 mm

166) Avance d'ouverture (avec jeu théorique) / Valves open at (With tolerance for tappet clearance indicated) — $40^{\circ} \pm \frac{10}{7}$ BTDC

167) Retard de fermeture / Valves close at — $68^{\circ} \pm \frac{10}{7}$ ABDC

ÉCHAPPEMENT / EXHAUST

170) Matériau du collecteur d'échappement / Material of exhaust manifold — Cast iron

171) Diamètre extérieur des soupapes / Outside diameter of valves — 34.5 ± 0.2 mm

172) Levée maximum des soupapes / Maximum valve lift — 11.23 mm

173) Nombre de ressorts par soupape / Number of springs per valve — 1

174) Type de ressort / Type of spring — Coil

175) Jeu théorique pour le calage de la distribution / Theoretical timing clearance — 0.40 mm

176) Avance d'ouverture (avec jeu théorique) / Valves open at (with tolerance for tappet clearance indicated) — $90^{\circ} \pm \frac{10}{7}$ BBDC

177) Retard de fermeture / Valves close at — $30^{\circ} \pm \frac{10}{7}$ ATDC

ALIMENTATION PAR CARBURATEURS / CARBURATION

180) Nombre de carburateurs / Number of carburettors — -

181) Type — -

182) Marque / Make — -

183) Modèle / Model — -

184) Nombre de passages de gaz par carburateur / Number of mixture passages per carburettor

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185) Diamètre de la tubulure de gaz à la sortie du carburateur / Flange hole diameter of exit port of carburettor: -

186) Diamètre du diffuseur au point d'étranglement maximum / Minimum diameter of venturi: -

Injection (si prévue) (if fitted)

187) Marque de la pompe / Make of pump: Bosch

188) Nombre de pistons / Number of plungers: -

189) Modèle ou type de la pompe / Model or type of pump: Roll cell type

190) Nombre total d'injecteurs / Total number of injectors: 4

191) Emplacement des injecteurs / Location of injectors: Inlet manifold

192) Diamètre de la pipe d'admission au point de passage le plus étroit / Minimum diameter of inlet pipe: 55 mm

ÉQUIPEMENT DU MOTEUR / ENGINE ACCESSORIES

195) Pompe à essence - mécanique et/ou électrique / Fuel pump - mechanical and/or electrical: Electrical

196) Nombre / Number: 1

197) Type du système d'allumage / Type of ignition system: Transistorized with distributor and coil

198) Nombre de bobines / Number of ignition coils: 1

199) Génératrice : type / Generator : type: Alternator — Nombre / Number: 1

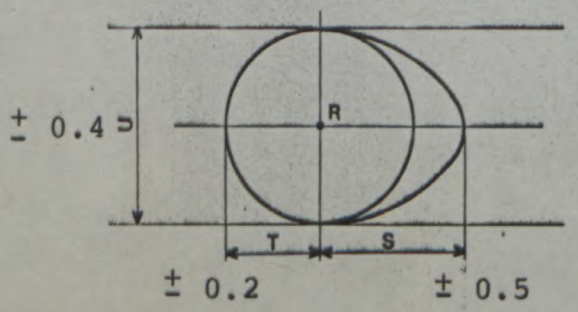
200) Système d'entraînement / Method of drive: Belt

201) Batterie / Battery

a) Tension / Voltage: 12 (14) — b) Emplacement / Location: Engine compartment

205) Arbres à cames / Camshaft

R : Centre



	Came admission / Inlet cam	Came échappement / Exhaust cam
S =	28.63 mm ____ inches	29.83 mm ____ inches
T =	19.50 mm ____ inches	19.30 mm ____ inches
U =	39.06 mm ____ inches	39.10 mm ____ inches

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TRANSMISSION AUX ROUES / WHEEL DRIVE

Embrayage / clutch

210) Type: Diaphragm spring

211) Diamètre / Diameter: 219 mm

212) Diamètre des garnitures : intérieur / Diameter of linings : interior: 146 mm — extérieur / outside: 217 mm

213) Nombre de disques / Number of discs: 1

Boîte de vitesses / Gear-box

215) Nombre de rapports AV synchronisés / Number of forward synchronised ratios: 4

216) Emplacement de la commande / Location of the gear lever: Floor

217) Boîte automatique - emplacement de la commande / Automatic gear-box - location of gear lever: -

218) Surmultiplication - type / Overdrive type: -

219) Rapport de surmultiplication / Overdrive ratio: -

Pont moteur - Final drive

220) Type du pont autobloquant (si prévu) / Type of limited slip differential (if provided): -

221) Nombre de dents du couple conique / Number of teeth of final drive: 35 - 9 ou / or 31 - 6

222) Rapport au couple conique / Final drive ratio: 3.89 ou / or 5.17

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Photo K

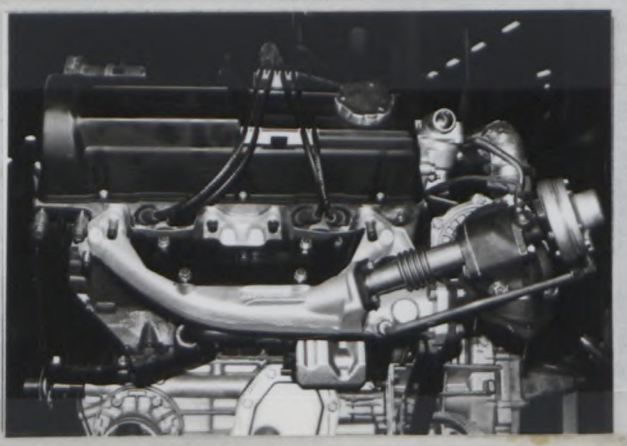


Photo L

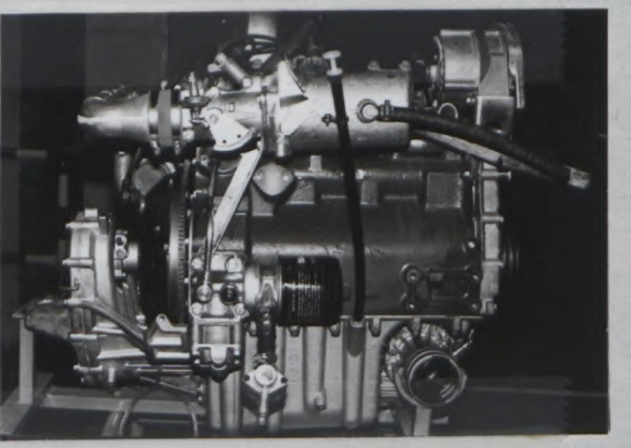


Photo M

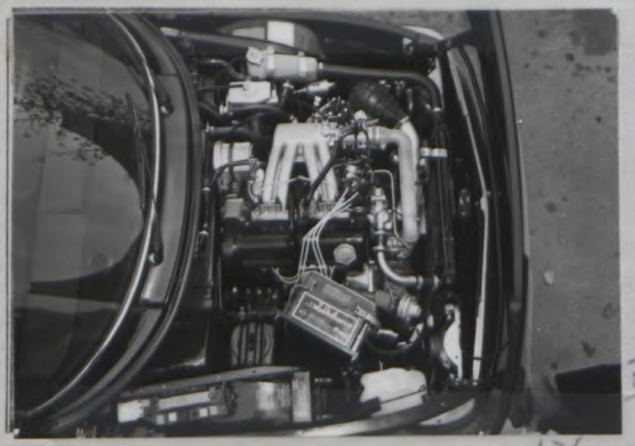


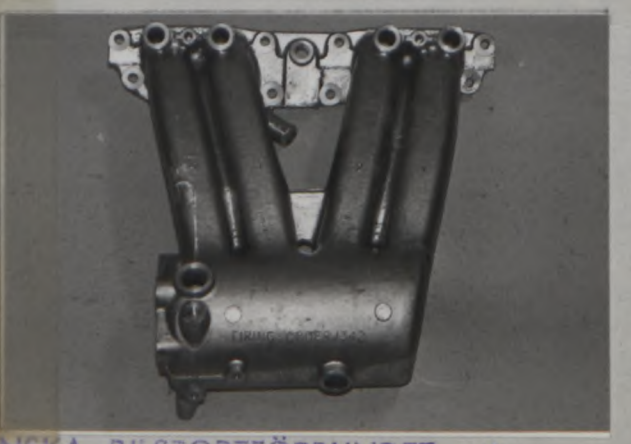
Photo N

Photo P

Photo Q

Photo R

Photo S



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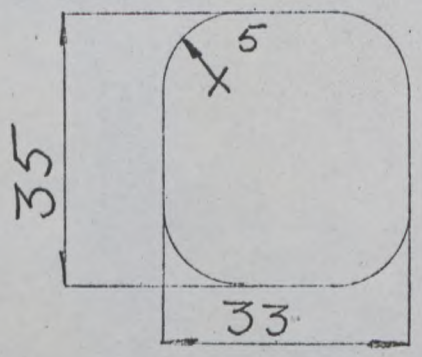
Dessin orifices collecteur admission, face côté culasse.

Drawing inlet manifold ports, side of cylinderhead.

avec dimensions
with

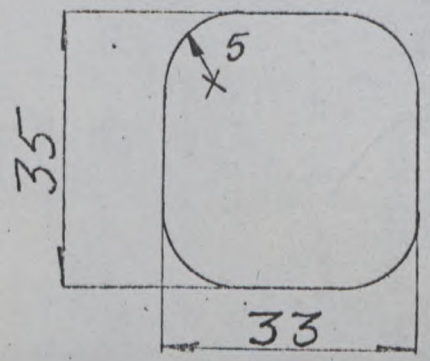


Tolerances as for unfinished castings. (Ports chamfered 1 mm 30°)

Dessin orifices admission culasse face collecteur.

Drawing of entrance to inlet port of cylinderhead.

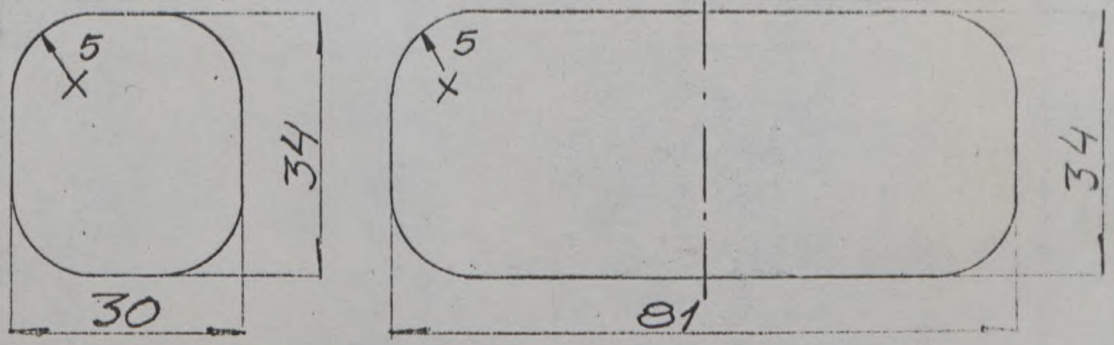
avec dimensions
with



Dessin orifices collecteur échappement face côté culasse.

Drawing of exhaust manifold ports, side of cylinderhead.

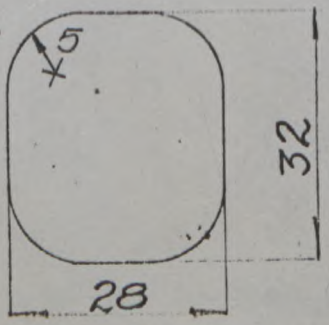
avec dimensions
with



Dessin orifices échappement culasse face collecteur.

Drawing of exit to exhaust port cylinderhead.

avec dimensions
with



Marque / Make SAAB Modèle / Model 99 SEDAN TURBO N° 5771 U

FISA = Transfert en Gr.A

Photo T

Carburateur / Carburettor

Photo U

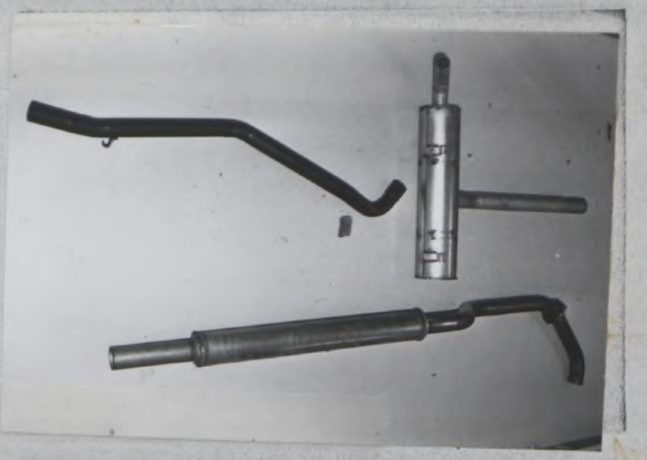
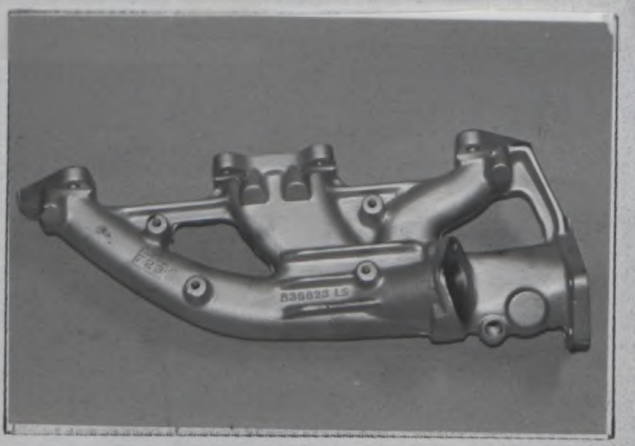


Photo V

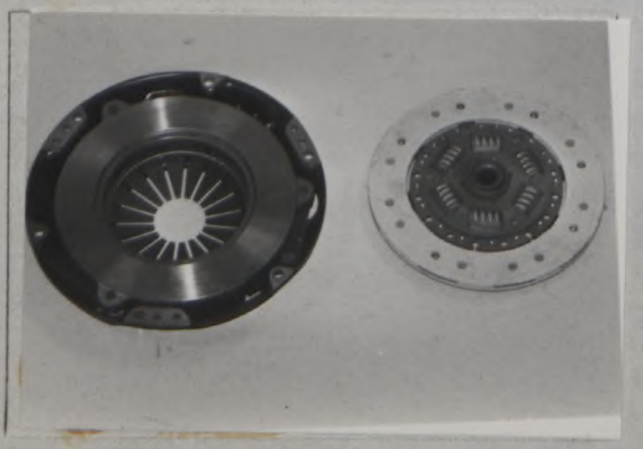


Informations supplémentaires
Additional informations

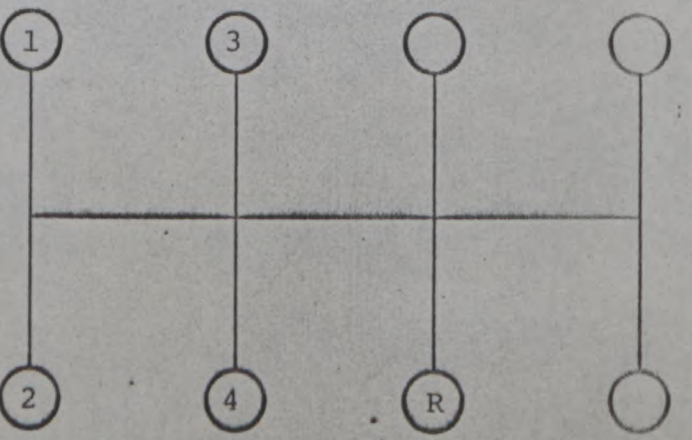
Inlet and exhaust manifolds, ports and ducts machined in series production.

Exit port of exhaust manifold 45 x 57 mm (radius of corners 10 mm)

Photo W



Grille de vitesses
Gear change gate



Make SAAB Model 99 SEDAN TURBO No 5771

FISA - Transfert en Gr.A

A - Characteristics of turbocharger concerning Group 1

1.	TURBOCHARGER (photos 1-4)	
1.1	Make and type:	Garrett AiResearch
2.	TURBINE HOUSING (photo 5)	
2.1	Number of exhaust gas entries:	One
2.2	Without vanes	
2.3	Dimensions of exhaust gas entry:	See sketch I
2.4	Dimensions of exhaust gas exit:	See sketch II
3.	IMPELLER HOUSING	
3.1	Dimensions of air intake:	See sketch III
3.2	Dimensions of air exit:	See sketch IV
4.	TURBINE WHEEL (sketch V)	
4.1	Maximum outer diameter:	58.9 ±0.5 mm
4.2	Outer diameter at exit of exhaust gas:	45.7 ±0.2 mm
4.3	Height of blade at OD (ref. 4.1/4.2):	4.4/14.6 ±0.5 mm
4.4	Thickness of blade at OD (ref. 4.1/4.2):	1.2/ 0.6 ±0.4 mm
4.5	Number of blades:	11
5.	IMPELLER WHEEL (sketch VI)	
5.1	Material:	Light alloy
5.2	Maximum outer diameter:	60.2 ±0.5 mm
5.3	Outer diameter at air intake:	37.7 ±0.2
5.4	Height of blade at OD (ref. 5.2/5.3):	0/11.0 ±0.5 mm
5.5	Thickness of blade at OD (ref. 5.2/5.3):	1.0/0.7 ±0.3 mm
5.6	Number of blades:	6+6
6.	ADJUSTMENT OF THE PRESSURE (By pass valve - photos 6-7)	
6.1	Maximum turbocharging pressure:	0.92 ±0.10 kp/cm^2 at 3000 rpm measured at pressure switch connection to inlet manifold
6.2	a) Type of valve:	Disc valve
7.	EXHAUST SYSTEM (photos U and V)	
7.1	Diameter of exhaust pipe at turbocharger connector:	57 mm
7.2	Diameter of exhaust pipe at entry into atmosphere:	51 mm

Make..... SAAB Model..... 99 SEDAN TURBO .....No..5771.....

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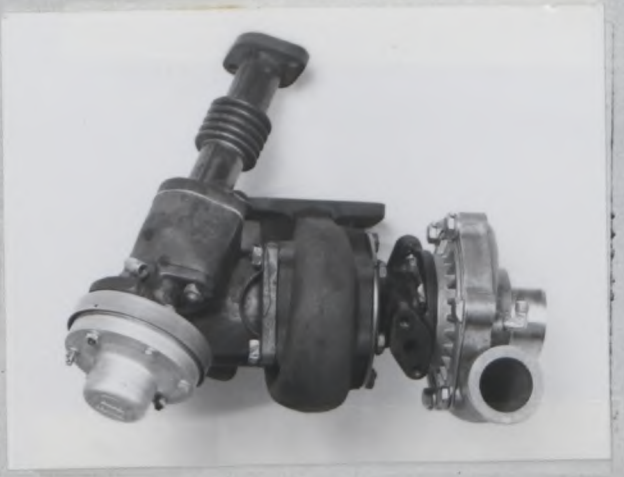
1.



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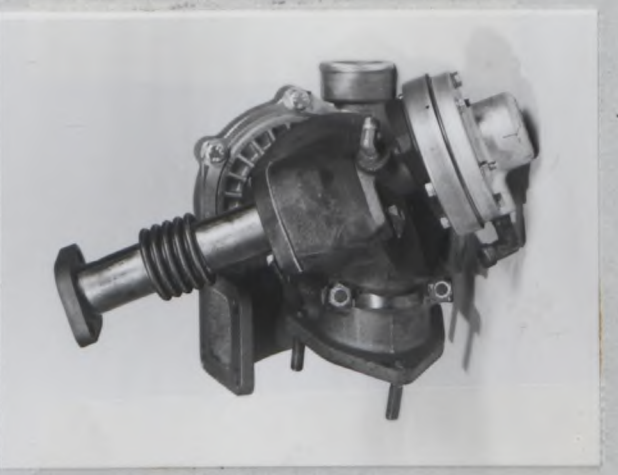

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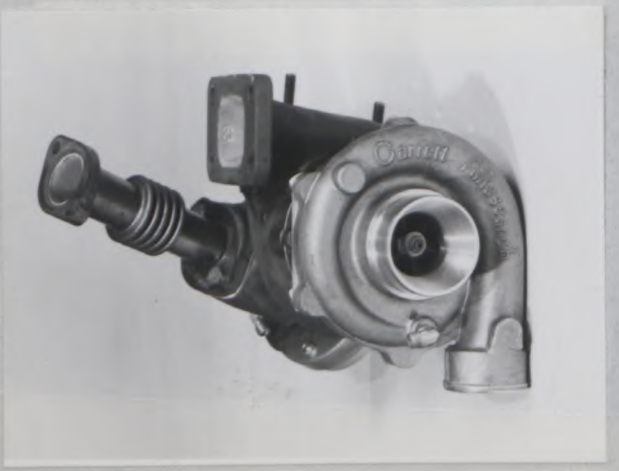

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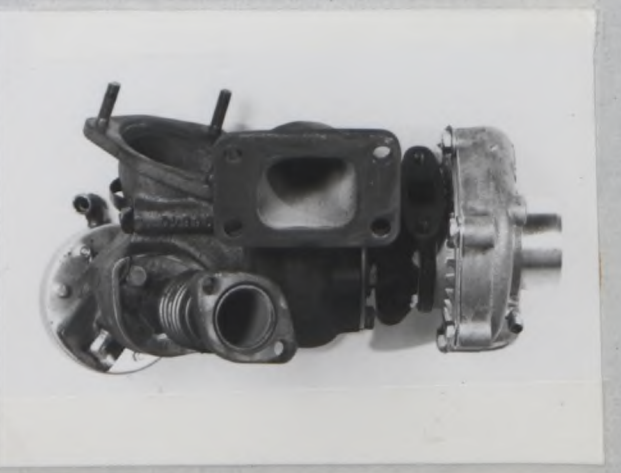
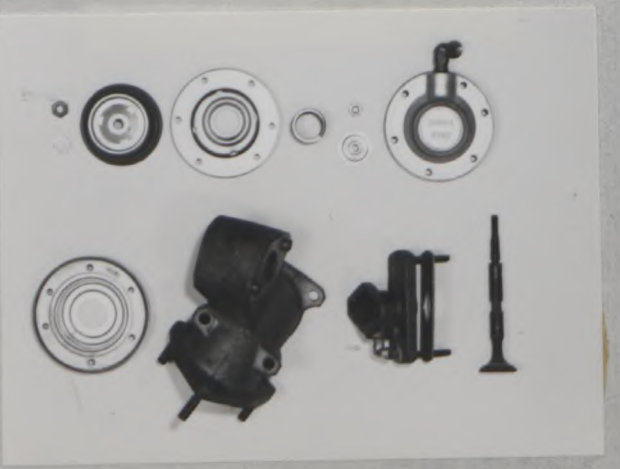


5.

6.

7.



Make SAAB Model 99 SEDAN TURBO No 5771

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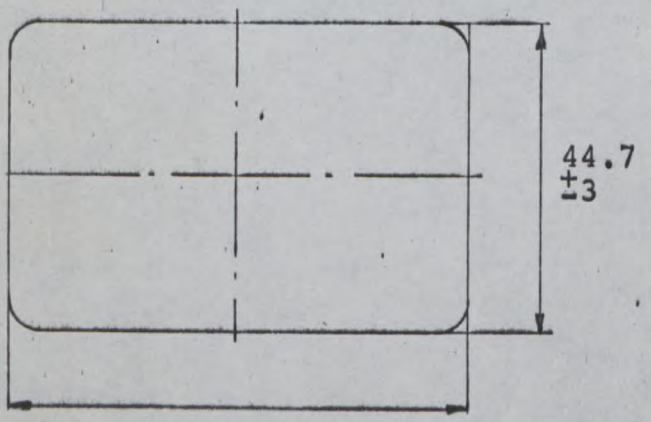
I



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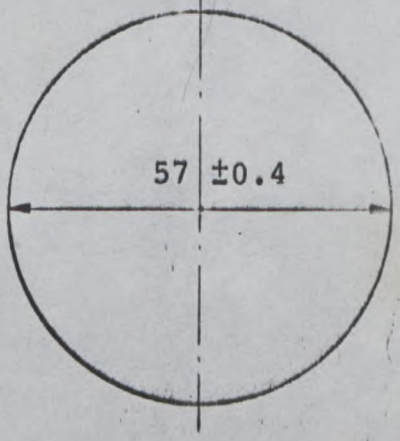

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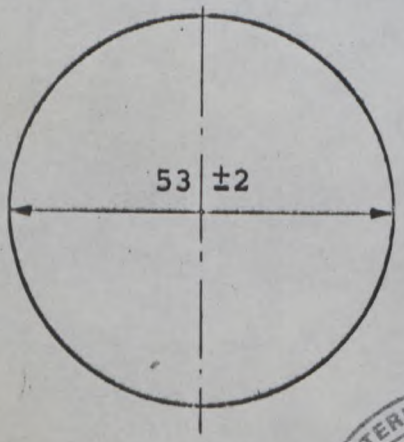

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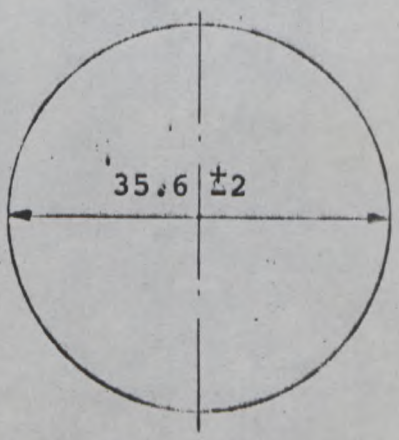

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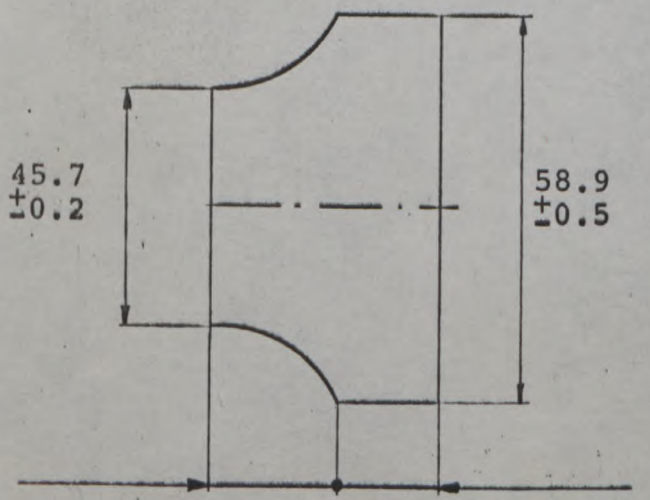

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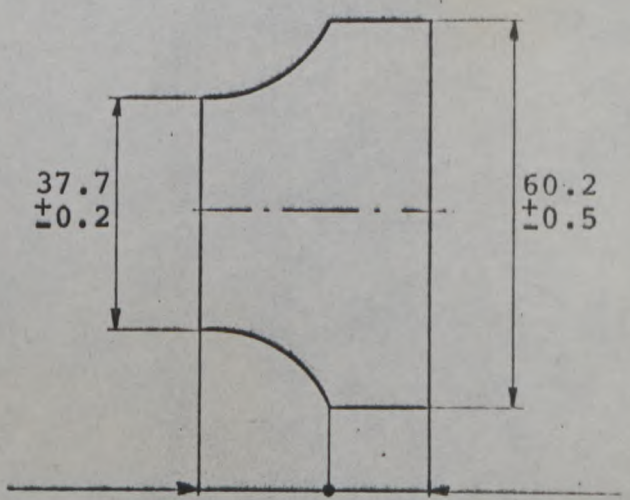
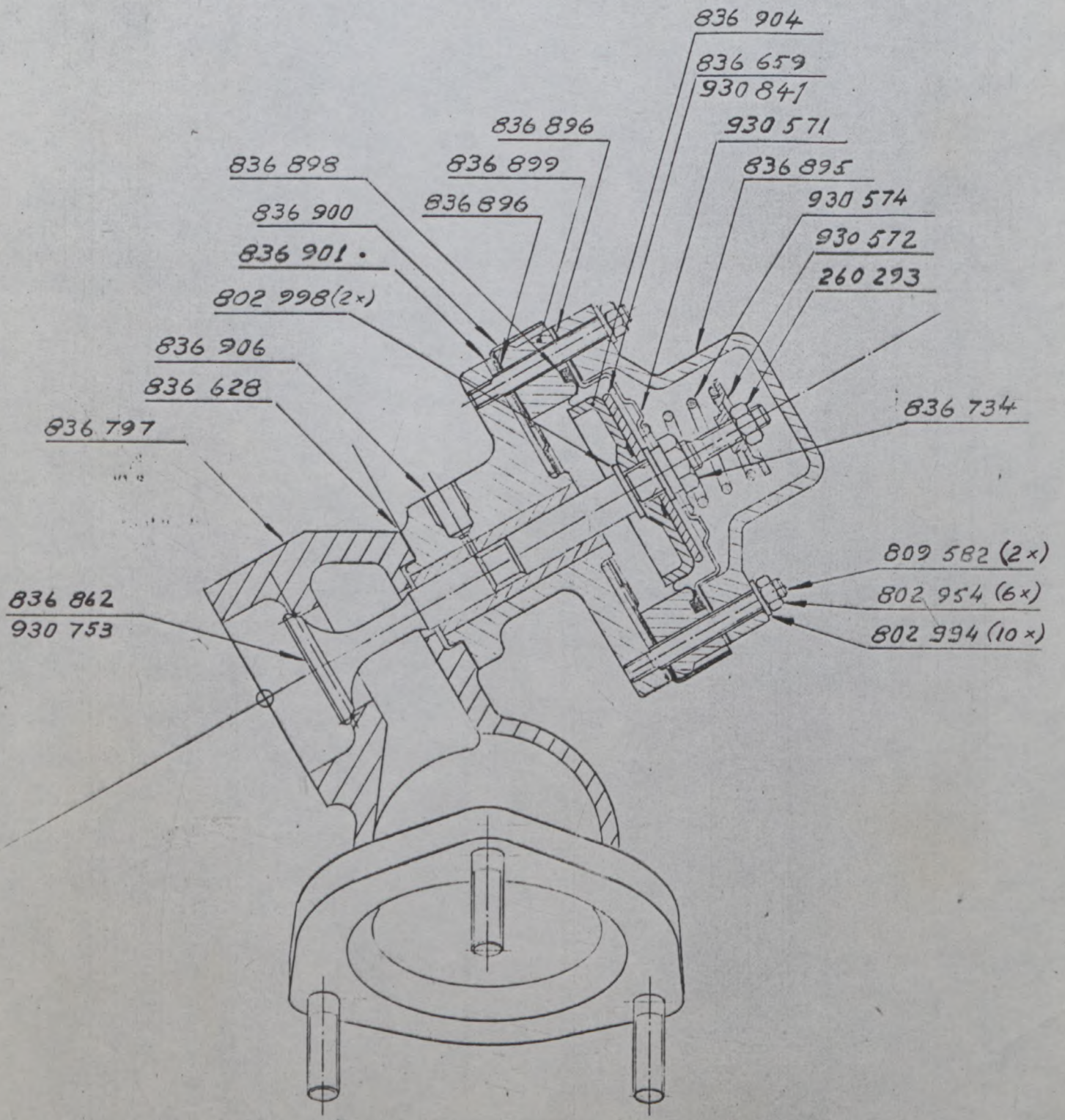


Make SAAB Model 99 SEDAN TURBO No 5771 U

FISA - Transfert en Gr.A

Turbocharger pressure regulator assy. (83 69 10)

Valve diameter 31 ± 0.3 mm

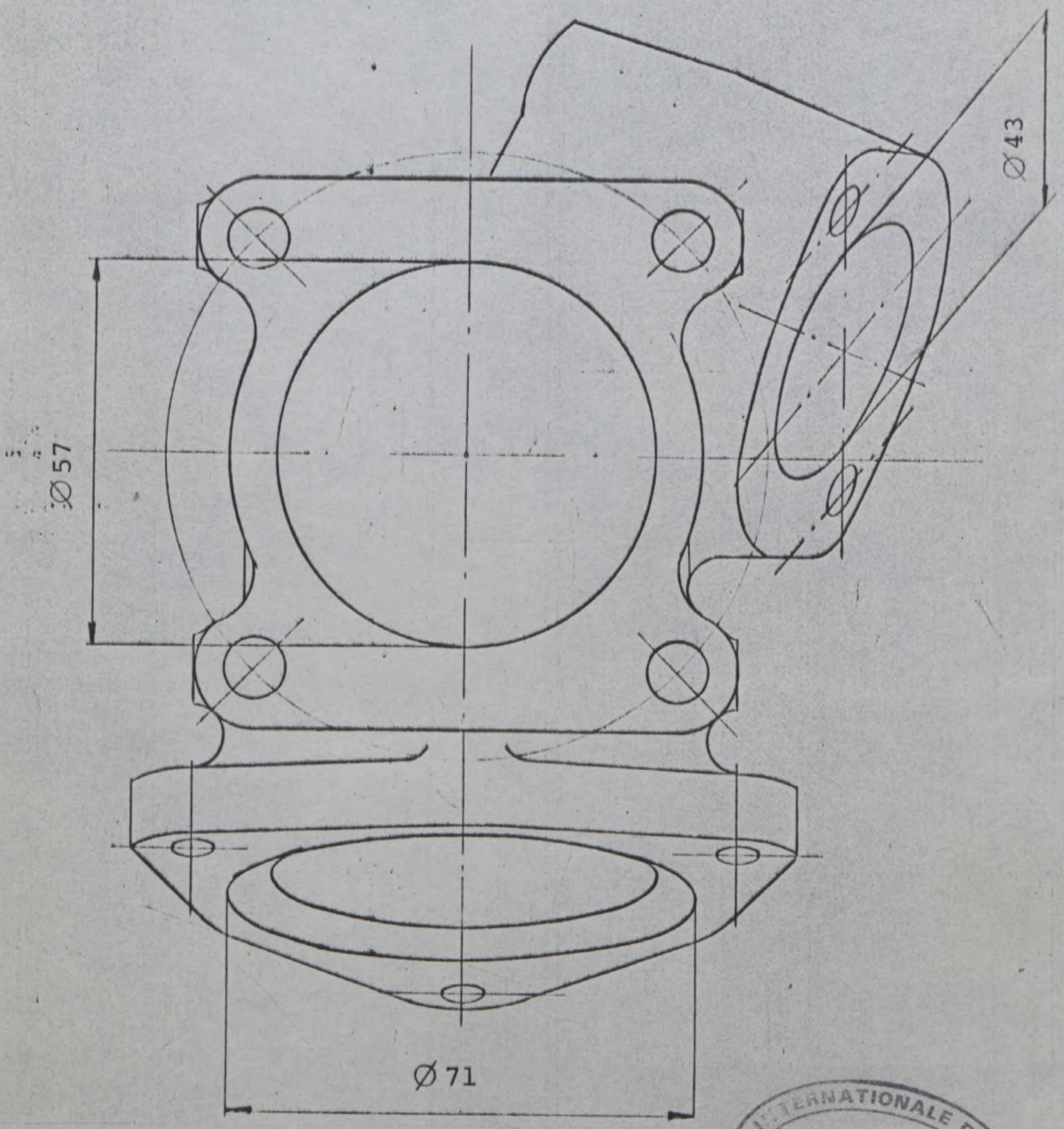


Make SAAB Model 99 SEDAN TURBO No 5771

FISA - Transfert en Gr.A

Turbocharger valve housing assy. (836797)

(tolerances as for unfinished castings)



5771

F.I.A. Recognition No. 1/1V

FISA - Transfert en Gr.A Page 1

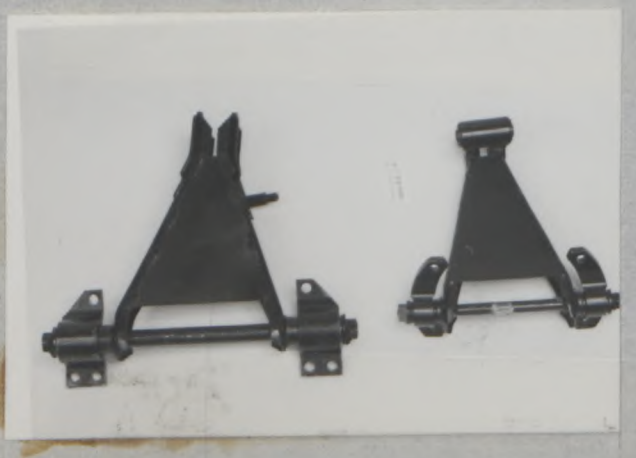
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

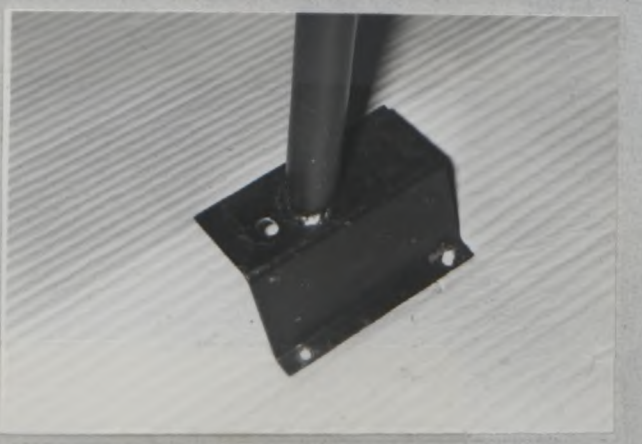
Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer	SAAB-SCANIA AB	Model	SAAB 99 SEDAN TURBO
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			
Commercial denomination of modified model			SAAB 900 TURBO
This extension of recognition is considered:		variation – ~~normal development of original vehicle type~~	
Recognition is valid from		List	

Description of modifications:

Strengthened upper wishbone	No 18036 and No 18044
Strengthened lower wishbone	No 18051 and No 18069
Strengthened rear axle	No 18002 (photo E unchanged)
Roll bar attachment	(see photo)
41. Power steering	No 860930
[redacted]	[redacted]





"valable en Groupe 2 uniquement"
"valid for Group 2 only"

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE ★ C. S. I.

5771

F.I.A. Recognition No. 1/1V

FISA = Transfert en Gr.A

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer	SAAB-SCANIA AB	Model	SAAB 99 SEDAN TURBO
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			
Commercial denomination of modified model			SAAB 99 SEDAN TURBO
This extension of recognition is considered:		variation – ~~normal~~ development of original ~~xxxxxxxxxxxxxxxx~~ ~~vehicle type~~	
Recognition is valid from	-1.JAN.1980	List	

Description of modifications:

CERTIFICATE

We hereby certify that the structure of the cars (SAAB 900 Turbo and 99 Sedan Turbo), including roll bar (roll cage) in full conformity with the FIA regulation but where the main hoop is connected to the body by the roll bar attachment shown on picture in form 1/1V, complies with the standards required by the FIA for open cars.

Trollhättan, January 9, 1979

SAAB-SCANIA AB
Development and Production Sector
Engineering Department

Henrik Gustavsson
Technical Director

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"valid for Group 2 only"

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE
C. S. I.

F.I.A. Recognition No. 5771 272V

FISA - Transfert en Gr.A

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

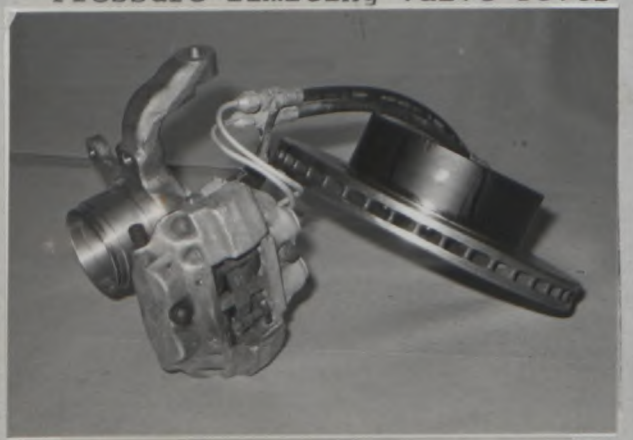
Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

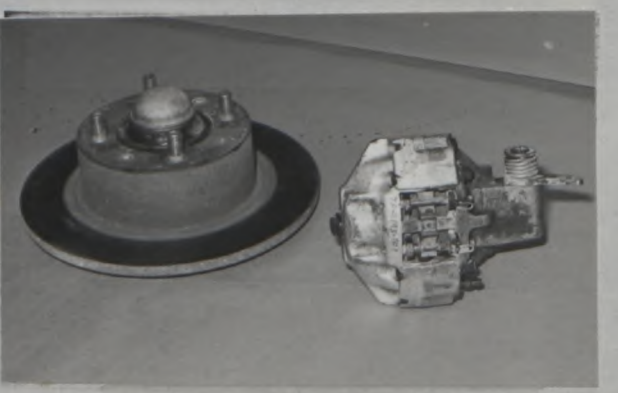
Manufacturer	SAAB-SCANIA AB	Model	SAAB 99 SEDAN TURBO
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			
Commercial denomination of modified model			SAAB 99 SEDAN TURBO
This extension of recognition is considered:		variation – normal development of original vehicle type	
Recognition is valid from	-1.JAN.1980	List	

Description of modifications: "Valable en Groupe 2 uniquement" "valid for Group 2 only"

	Front	Rear
Brakes Teves type	2 L4 34	LC_1 33W
93) Number of cylinders per wheel	4	2
94) Bore of wheel cylinders	34 mm	33 mm
100) Outside diameter (ventilated disc)	270 mm	-
101) Thickness of disc	22 mm	-
102) Length of brake linings	77 mm	56 mm
103) Width of brake linings	43 mm	38 mm
104) Number of pads per shoe	2	2
105) Total area per brake	59800 mm^2	54700 mm^2

Pressure limiting valve Teves type BR 18





Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE ★ C. S. I.

F.I.A. Recognition No. 5771 3/3V

FISA = Transfert en Gr.A

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

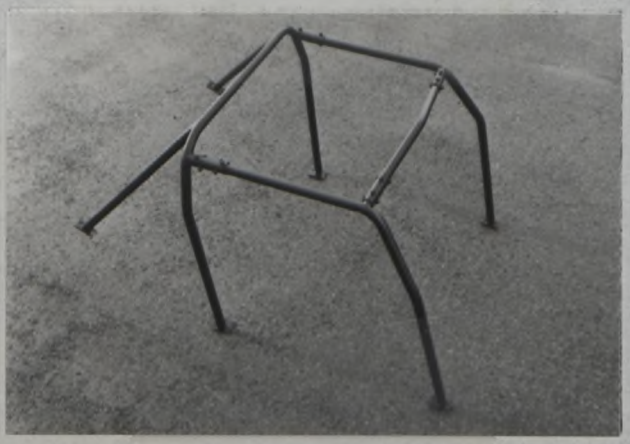
Form of recognition (extension) in accordance with Appendix J to the International Sporting Code.

Manufacturer	SAAB-SCANIA AB	Model	SAAB 99 SEDAN TURBO
		Chassis	
Serial No. inaugurating this extension		Engine	
Manufacturing date of the first vehicle constructed with the modifications			
Commercial denomination of modified model			SAAB 99 SEDAN TURBO
This extension of recognition is considered:		variation – ~~normal development of original vehicle type~~	
Recognition is valid from	-1.JAN.1980	List	

Description of modifications:

ROLL CAGE SAAB NO 18028

Material: British Standard 1474 HE 30 (AlSiMgMn)
Tensile strength: 31 kp/mm^2
Diameter: 38 mm
Wall thickness: 3.25 mm
Weight: 12 kg



Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FEDERATION INTERNATIONALE DE L'AUTOMOBILE ★ C.S.I.

F.I.A. Recognition No. 4/4V

5771

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

FISA = Transfert en Gr.A

Manufacturer SAAB-SCANIA

Model SAAB 99 SEDAN TURBO

Chassis

Serial No. inaugurating this extension

Engine

Manufacturing date of the first vehicle constructed with the modifications

Commercial denomination of modified model SAAB 99 SEDAN TURBO

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

Recognition is valid from -1.0[illegible].1979 -1.06.1979

List

Description of modifications:

DISC BRAKE FRONT SAAB NO 18085

DISC BRAKE REAR SAAB NO 18093

		Front	Rear
53.	Number of cylinders per wheel	4	2
54.	Bore	38 mm	51 mm
58.	Width of brake linings	51 mm	52 mm
59.	Number of pads per brake	2	2
60.	Total area per brake	72900 mm^2	74300 mm^2
61.	Thickness of disc	25.4 mm	11.2 mm

"valable en Groupe 2 uniquement"
"valid for Group 2 only"

C. S. I. CORRECTION

BRAKE BALANCE VALVE SAAB NO 18101

Signature and stamp of the National Sporting Authority:

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

SVENSKA BILSPORTFÖRBUNDET
THE SWEDISH AUTOMOBILE-SPORT FEDERATION

Signature and stamp of the F.I.A.:

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE ★ C. S. I.