

F.I.A. Recognition N° ...231.....

Group 4 - Sports - cars

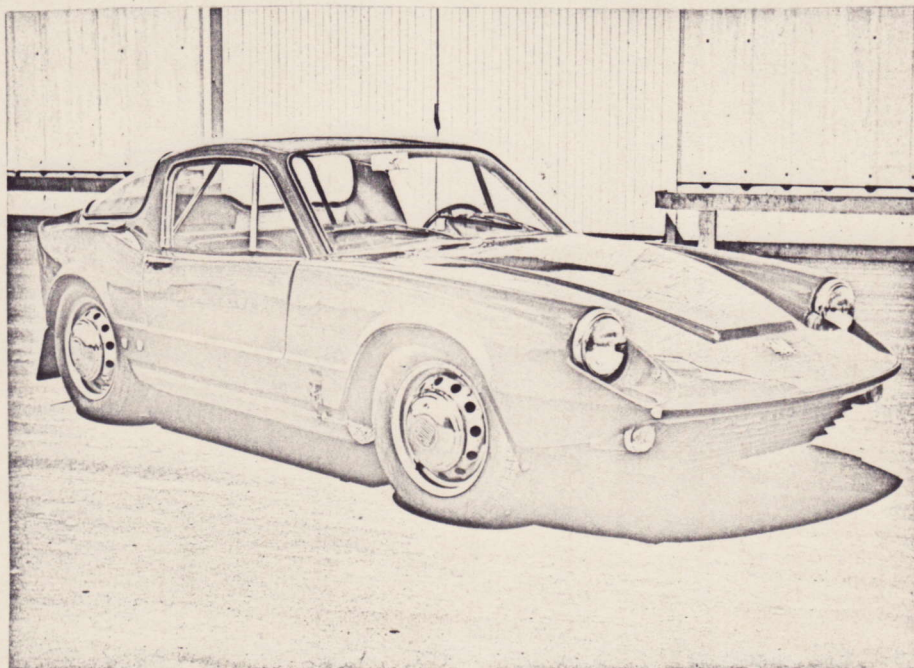
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

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

Manufacturer SAAB AKTIEBOLAG Cylinder-capacity 842 cm³ . 51.4 . in³
 Model SONETT II
 Serial N° of chassis 1 Manufacturer ASJ ARLÖV
 engine 1 Manufacturer SAAB AKTIEBOLAG
 Recognition is valid from . 1st. August . 1966 List 14/7

The manufacturing of the model described in this recognition form was started on ..15/3...19.66. and the minimum production of50..... identical cars, in accordance with the specifications of this form was reached on .29/6..19.66.

Photograph A, 3/4 view of car from front



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

Variants

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

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.....

Stamp and signature of the National Sporting Authority

Stamp and signature of the F.I.A.

Hubert...

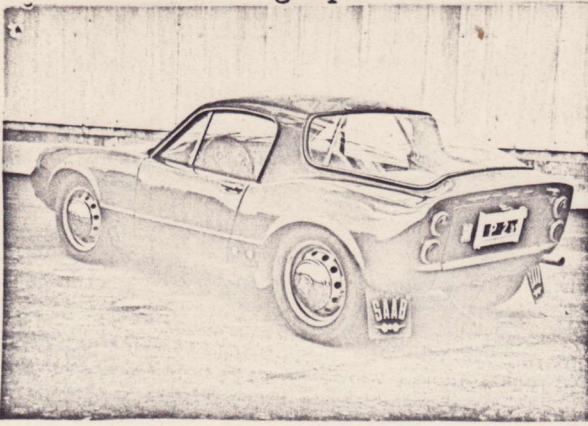


Make SAAB

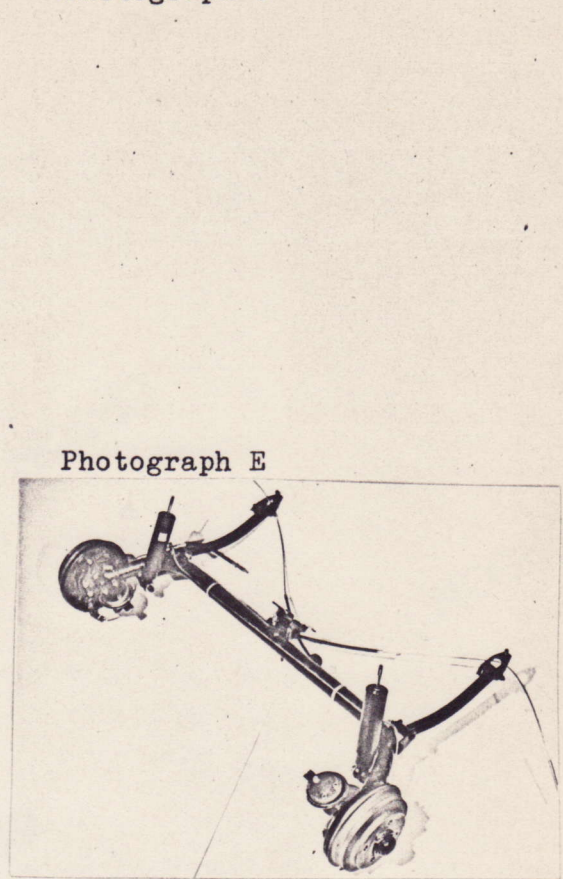
Model SONETT II

F.I.A. Rec. No

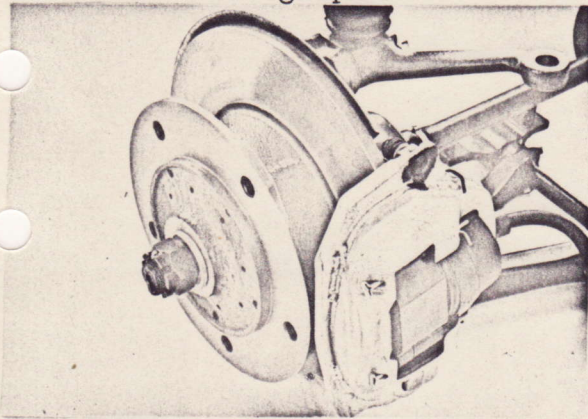
Photograph B



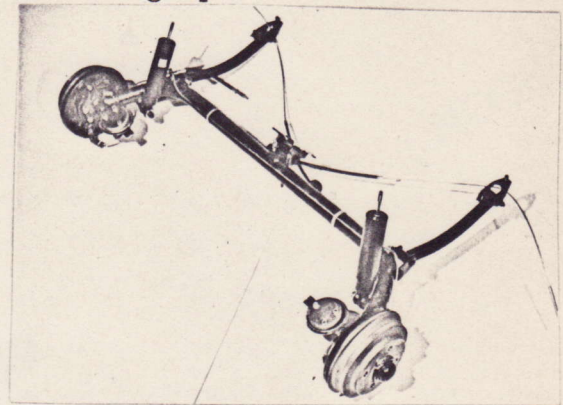
Photograph C



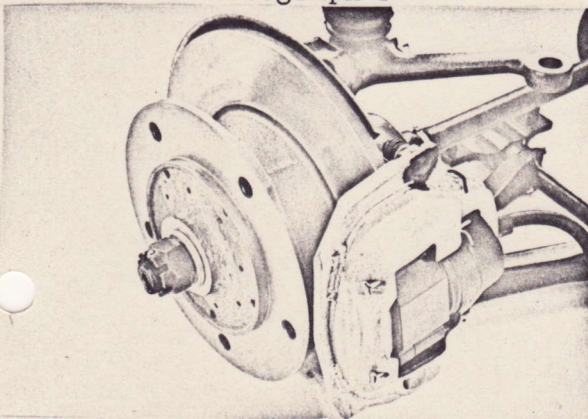
Photograph D



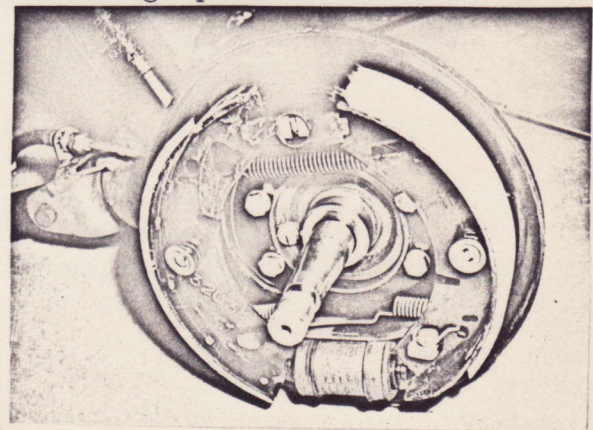
Photograph E



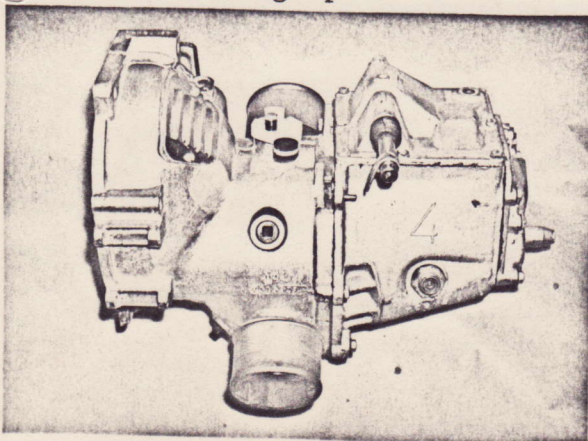
Photograph F



Photograph G



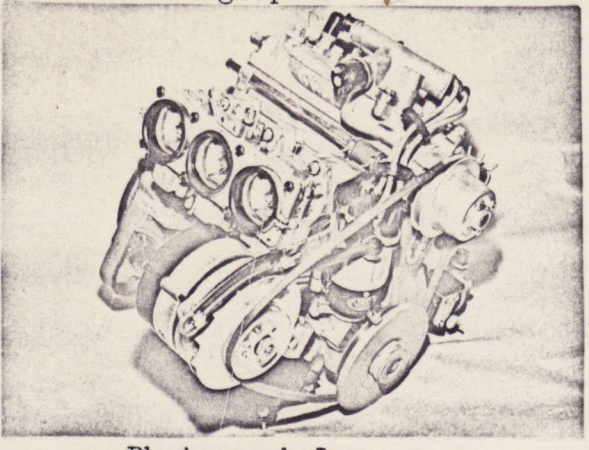
Photograph H



Photograph I

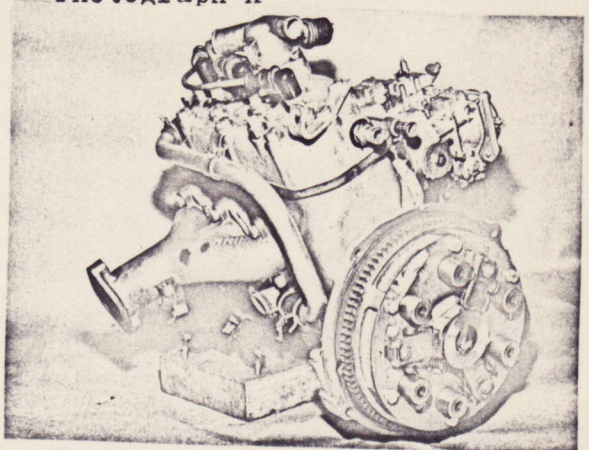


Photograph J



Photograph L

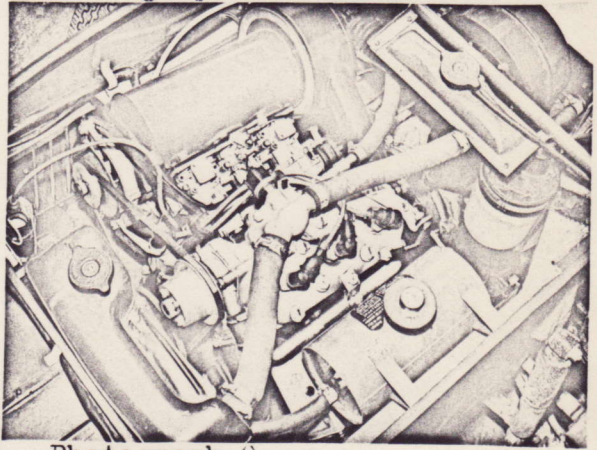
Photograph K



Photograph M

Photograph N

Photograph O



Photograph P

Photograph Q



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.

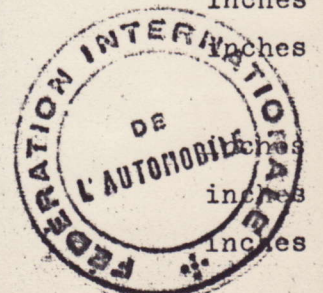
R = centre of camshaft

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. <u>Wheelbase</u> | 2.149 | mm | 84,61 | inches |
| 2. <u>Front track</u> | 1.220 | mm | 48,03 | inches ^x |
| 3. <u>Rear track</u> | 1.220 | mm | 48,03 | inches ^x |
| 4. Overall length of the car | | cm | | inches |
| 5. Overall width of the car | | cm | | inches |
| 6. Overall height of the car | | cm | | inches |
| 7. <u>Capacity of fuel tank</u> (reserve included) | | | | ltrs |
| | | Gallon US | | Gallon Imp. |
| 8. Seating capacity | | | | |
| 9. <u>Weight</u> , total weight of the car with normal equipment, water, oil and spare wheel but without fuel and repair tools: | | | | |
| | 630 | kg | 1.389 | lbs cwt |
- x) Differences in track caused by the use of other wheels with different rim width must be stated when recognition is requested for the wheels concerned. Specify ground clearance in relation to the track and give drawing of two easily recognizable points at front and rear at which measurements are taken. These ground clearance dimensions are only for information when checking the track and can in no way affect the eligibility of the car.

CONVERSION TABLE

1 inch/pouce	- 2,54 cm	1 quart US	-0.9464 ltrs
1 foot/pied	-30.4794 cm	1 pint (pt)	-0.568 ltrs
1 square inch/pouce carré	- 6.452 cm ²	1 gallon Imp.	-5.546 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



SUSPENSION

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

BRAKES (photographs F and G)

90. Method of operation HYDRAULIC SYSTEM (TWO SEPARATE SYSTEMS)
 91. Servo-assistance (if fitted), type
 92. Number of hydraulic master cylinders

	FRONT		REAR	
	mm	in.	mm	in.
93. Number of cylinders per wheel				
94. Bore of wheel cylinder(s)	mm	in.	mm	in.
Drum brakes				
95. Inside diameter	mm	in.	mm	in.
96. Length of brake linings	mm	in.	mm	in.
97. Width of brake linings	mm	in.	mm	in.
98. Number of shoes per brake				
99. Total area per brake	mm ²	sq.in.	mm ²	sq.in.
Disc brakes				
100. Outside diameter	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.



CHASSIS AND COACHWORK (Photographs A,B and C)

20. Chassis/body construction: separate / unitary construction

21. Unitary construction, material(s)

Separate construction

22. Material(s) of chassis PRESSED STEEL SHEET

23. Material(s) of coachwork GLASS FIBER LAMINATE

24. Number of doors 2 Material(s) --

25. Material(s) of bonnet --

26. Material(s) of boot lid PRESSED STEEL SHEET

27. Material(s) of rear-window

28. Material(s) of windscreen

29. Material(s) of front-door windows

30. Material(s) of rear-door windows

31. Sliding system of door windows

32. Material(s) of rear-quarter light

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:
kg lbs

43. Rear seats, type of upholstery

44. Front bumper, material(s) weight kg lbs

45. Rear bumper, material(s) weight kg lbs

WHEELS

50. Type

51. Weight (per wheel, without tyre) kg lbs

52. Method of attachment

53. Rim diameter mm inches

54. Rim width mm inches

STEERING

60. Type

61. Servo-assistance : yes - no

62. Number of turns of steering wheel from lock to lock

63. In case of servo-assistance



Make SAAB

Model SONETT II

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 $72,9^{+0,03}_{-0,07}$ mm	2,87 in.
135. Capacity per cylinder	281 cm ³	17,1 ou.in	
136. Total cylinder-capacity	842 cm ³	51,4 ou.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	cm ³	ou.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 / <u>stamped</u>		148. Type of crankshaft : integral / <u>built up</u>	
149. Number of crankshaft main bearings	4		
150. Material of bearing cap			
151. System of lubrication : dry sump / oil in sump			
152. Capacity, lubricant	ltrs	pts	quarts US
153. Oil cooler : yes/no		154. Method of engine cooling	
155. Capacity of cooling system	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.	mm in.
159. Connecting rod big end, type	ROLLER BEARING	Dia.	mm in.
Weights			
160. Flywheel (clean)	kg	lbs	
161. Flywheel with clutch (all turning parts)		kg	lbs
162. Crankshaft	kg	lbs	163. Connecting rod kg 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
- 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 clearnace 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
- 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)

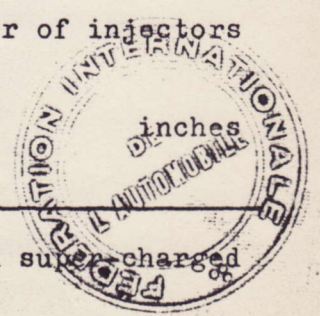
CARBURETION (photograph N)

- 210. Number of carburettors fitted
- 211. Type
- 212. Make
- 213. Model
- 214. Number of mixture passages per carburettor
- 215. Flange hole diameter of exit port(s) of carburettor mm inches
- 216. Minimum diamter of venturi/minimum diam. with piston at maximum height mm inches

INJECTION (if fitted)

- 220. Make of pump
- 221. Number of plungers
- 222. Model or type of pump
- 223. Total number of injectors
- 224. Location of injectors
- 225. Minimum diameter of inlet pipe mm

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



ENGINE ACCESSORIES

230. Fuel pump : Mechanical and/or electric		231. N° fitted
232. Type of ignition system		233. N° of distributors
234. N° of ignition coils		235. N° of spark plugs per cylinder
236. Generator, number fitted	volts	239. Battery, number
240. Location		
241. Voltage of battery	volts	

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

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



DRIVE TRAIN

CLUTCH

- 260.Type of clutch 261.N° of plates
- 262.Dia. of clutch plates cm inches
- 263.Dia. of linings, inside cm in. outside cm in.
- 264.Method of operating clutch

GEAR BOX (photograph H)

- 270.Manual type, make SAAB
- 271.N° of gear-box ratios forward 4 272. Synchronized forward ratios
- 273.Location of gear-shift
- 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								
2								
3								
4								
5								
6								
reverse								

- 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
number of teeth



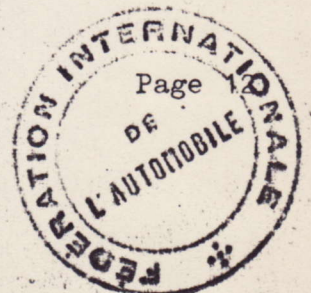
IMPORTANT - The conformity of the car with the following items of the present recognition form is to be disregarded during the scrutineering, when the vehicle has been entered in group 2 (Touring cars) or 3 (Grand Touring cars) :

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, 292, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253 and photograph 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.



TWO STROKE ENGINES

300. System of cylinder scavenging

301. Type of lubrication

302. Inlet ports, length measured around cylinder wall mm in.

303. Height inlet port mm in. 304. Area mm² sq. in.

305. Exhaust ports, length measured around cylinder wall mm in.

306. Height exhaust port mm in. 307. Area mm² sq. in.

308. Transfer port, length measured around cylinder wall mm in.

309. Height transfer port mm in. 310. Area mm² sq. in.

311. Piston ports, length measured around piston mm in.

312. Height piston port mm in. 313. Area mm² sq. in.

314. Method of precompression 315. Precompression cyl. : yes/no

316. Bore - mm in. 317. Stroke mm in.

318. Distance from top of cyl. block to highest point of exhaust port :

mm inches

319. Distance from top of cyl. block to lowest point of inlet port:

mm inches

320. Distance from top of cyl. block to highest point of transfer port :

mm inches

321. Drawing of cylinder ports.

330. Supercharging - state full details hereafter :

