

F.I.A. Recognition No. 238

Group 4



ROYAL AUTOMOBILE CLUB

31, Belgrave Square, London, S.W.1

Form of recognition in accordance with appendix J to the International Sporting Code of the
FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Manufacturer Lotus Components Limited.

Serial No. of chassis/body 47/GT/1 onwards

Serial No. of engine C13 66 0903

Recognition is valid from 1st July 1967

The manufacturing of the model described in this recognition form started on 1st December 1966

and the minimum production of Fifty identical cars, in accordance with the specifications of
this form was reached on by 1st Oct. 1967

Cylinder-capacity 1600 cm.³ 97.50 in.³

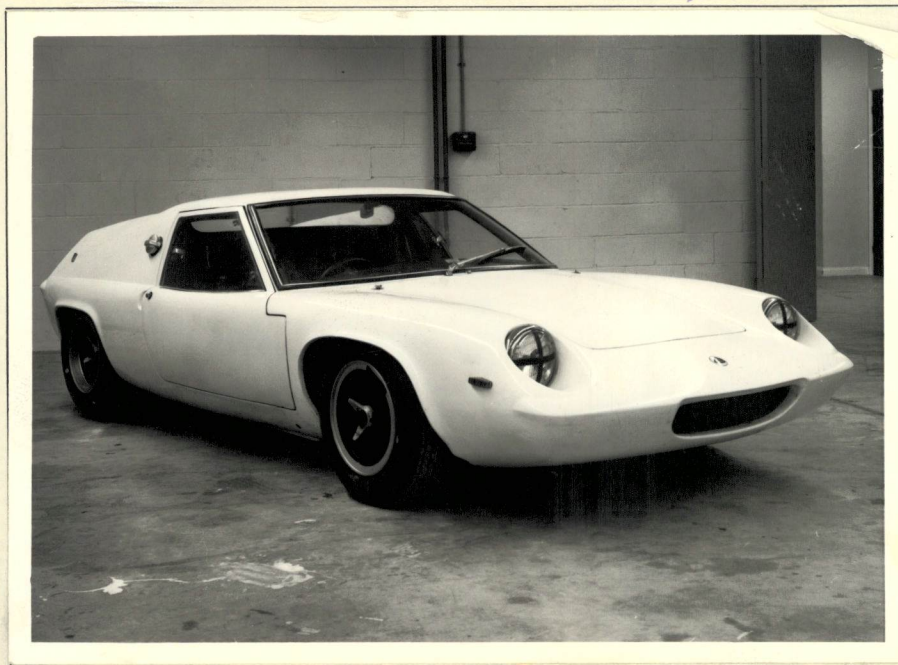
Model Mark 47

Manufacturer Lotus Components Ltd.

Manufacturer Lotus Components Ltd.

List 16/6

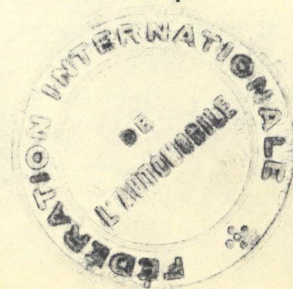
Photograph A, $\frac{3}{4}$ view of car from front



F.I.A. Stamp

Hubert H. Schmitt

R.A.C. Stamp



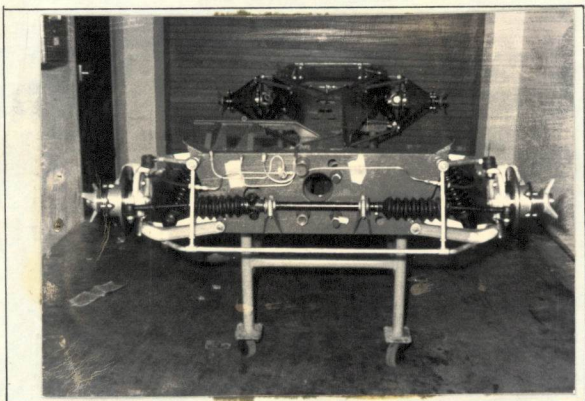
B



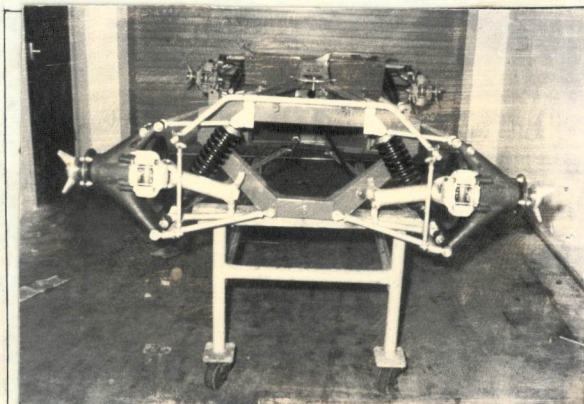
interior view of car through driver's door (open
or removed)

C

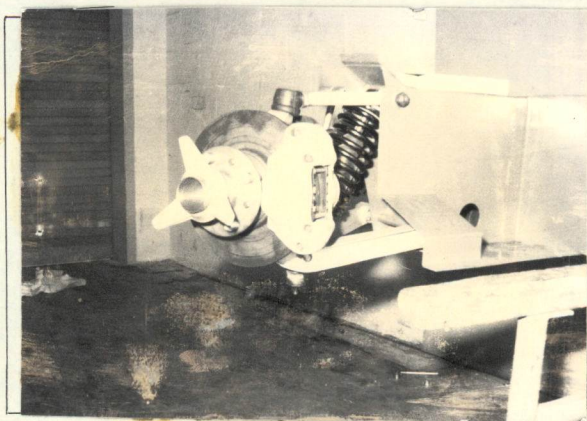
D



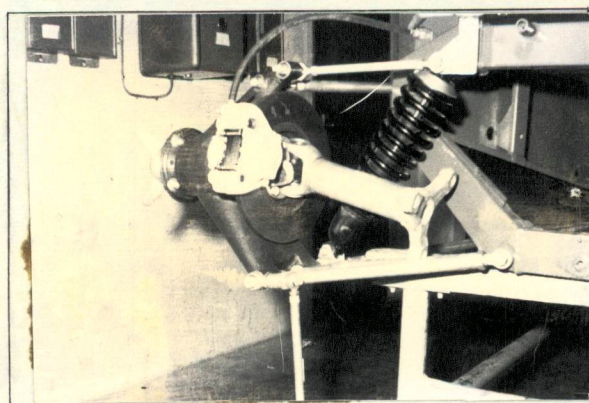
E



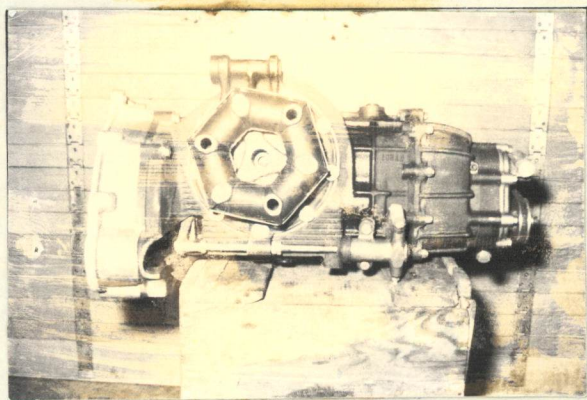
F



G

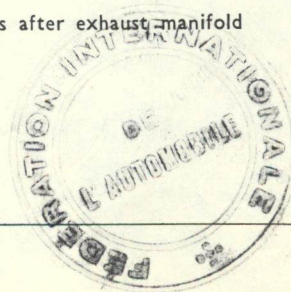


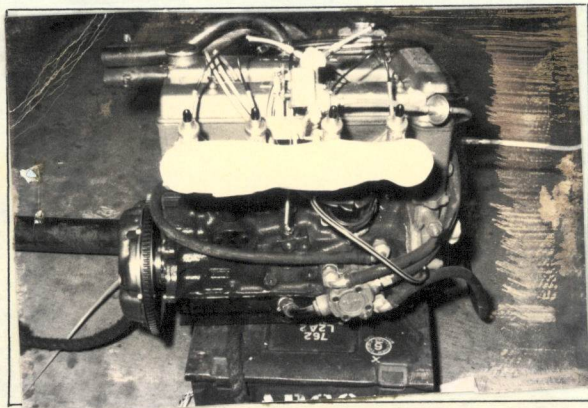
H



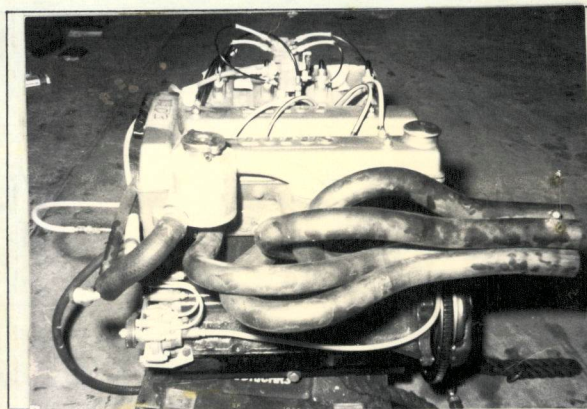
silencer + exhaust pipes after exhaust manifold

I

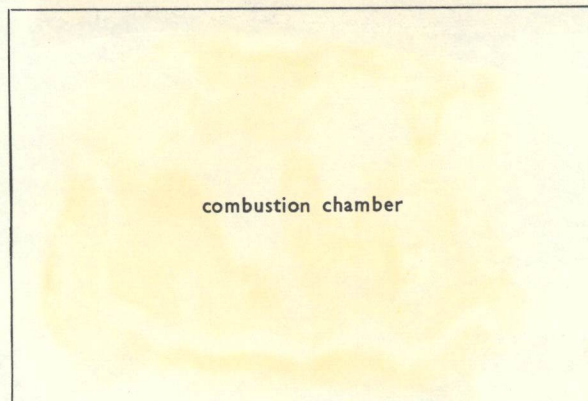




J

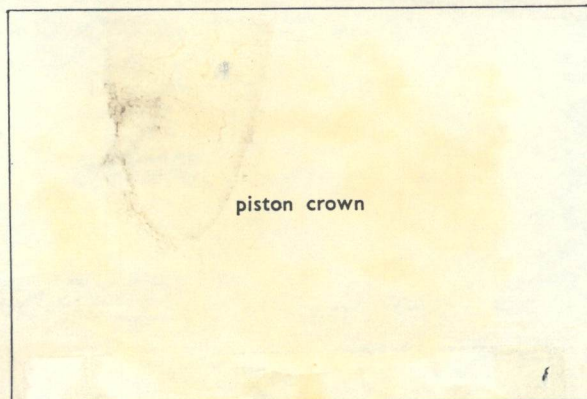


K



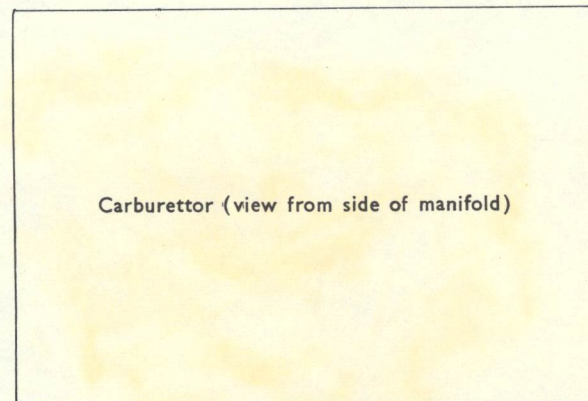
L

combustion chamber



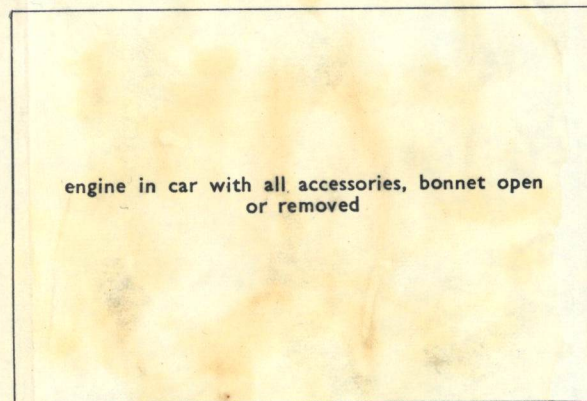
M

piston crown



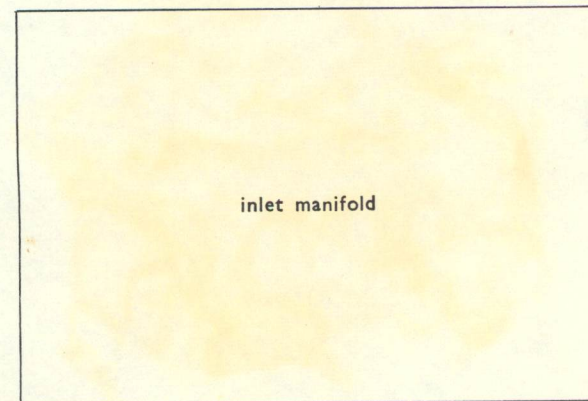
N

Carburettor (view from side of manifold)



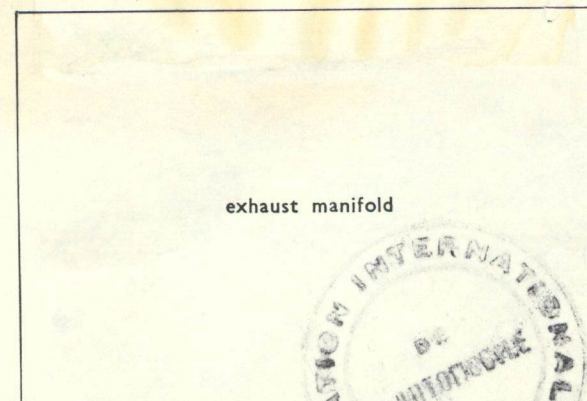
O

engine in car with all accessories, bonnet open
or removed



P

inlet manifold



Q

exhaust manifold



Make..... Lotus

Model..... Mark 47

F.I.A. Rec. No.....

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 of 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.



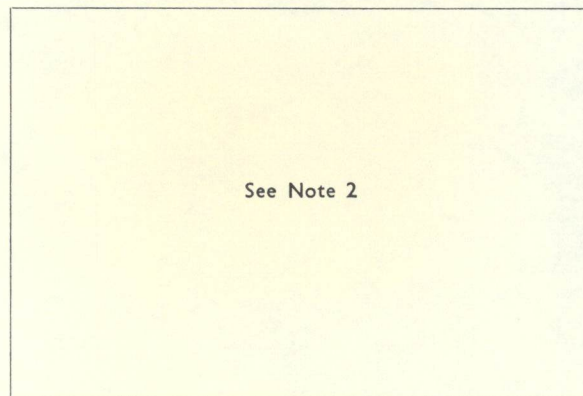
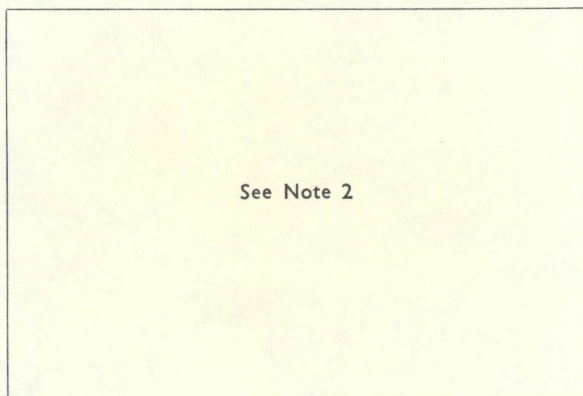
NOTE 1.

All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

- | | | | | | |
|----------------|------------------------|---------------|-----|------|--------|
| 1. Wheelbase | { + 25.0 m.m. 1.00 in. | 2311.40 | mm. | 91.0 | inches |
| 2. Front track | { + 25.0 m.m. 1.00 in. | 3. Rear track | | | |

1346.0	mm.	53.0	inches	1219.0	mm.	48.0	inches
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- | | | |
|--|-------|----------------------------|
| 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. Capacity of fuel tank (reserve included) | | |
| | ltrs. | gall. U.S. gall. Imp. |
| 8. Seating Capacity. | | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | | |

550.0	kg.	1213.0	lbs.	10.8	cwts.
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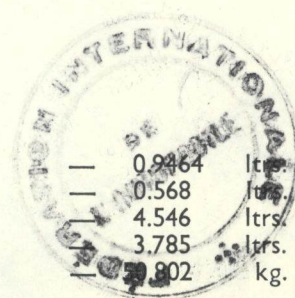
NOTE 2.

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 recognisable 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.

NOTE 3.

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	lts.
1 sq. inch/pouce carre	— 6.452	cm. ²	1 gallon Imp.	— 4.546	ltrs.
1 cubic inch/pouce cube	— 16.387	cm. ³	1 gallon US	— 3.785	ltrs.
1 pound/livre (lb)	— 453.593	gr.	1 hundred weight (cwt.)	— 90.7185	kg.



Make.....Lotus.....

Model.....Mark 47.....

F.I.A. Rec. No.....

CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction: separate/unitary construction
21. Unitary construction, material(s) Steel and glass fibre reinforced plastic.
22. Separate construction, Material(s) of chassis Steel
23. Material(s) of coachwork Glass fibre reinforced plastic
24. Number of doors 2 Material(s) Glass fibre reinforced plastic.
25. Material(s) of bonnet Glass fibre reinforced plastic
26. Material(s) of boot lid Glass fibre reinforced plastic.
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 seat and upholstery
42. Weight of front seat(s), complete with supports and rails, out of the car :
kg. lbs.
43. Rear seats, type of seat and 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. ins. 54. Rim width mm. ins.

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..... Lotus

Model..... Mark 47

F.I.A. Rec. No.....

SUSPENSION

70. Front suspension (photograph D), type Unequal length double wishbones.
71. Type of spring Coil
72. Stabiliser (if fitted)
73. Number of shock absorbers 74. Type
78. Rear suspension (photograph E), type Reversed bottom wishbone with top link and dual radius arms.
79. Type of spring
80. Stabiliser (if fitted)
81. Number of shock absorbers 82. Type

BRAKES (photographs F and G)

90. Method of operation Hydraulic
91. Servo-assistance (if fitted), type
92. Number of hydraulic master cylinders
93. Number of cylinders per wheel
94. Bore of wheel cylinder(s)

Drum Brakes

95. Inside diameter
96. Length of brake linings
97. Width of brake linings
98. Number of shoes per brake
99. Total area per brake

Disc Brakes

100. Outside diameter
101. Thickness of disc
102. Length of brake linings
103. Width of brake linings
104. Number of pads per brake
105. Total area per brake

FRONT

mm. inches

mm. inches

mm. inches

mm. inches

mm.² sq. in.

mm. inches

mm. inches

mm. inches

mm. inches

mm.² sq. in.**REAR**

mm. inches

mm. inches

mm. inches

mm. inches

mm.² sq. in.

mm. inches

mm. inches

mm. inches

mm. inches

mm. sq. in.

Make Lotus Model Mark 47 F.I.A. Rec. No.

ENGINE (photographs J and K)

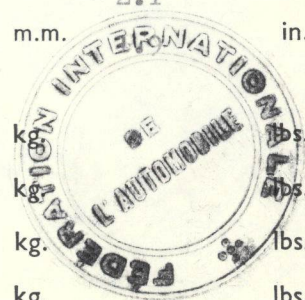
130. Cycle 4 131. Number of cylinders 4
132. Cylinder Arrangement In line 9vertical)
133. Bore 83.5 mm. 3.3 in. 134. Stroke 72.8 mm. 2.9 in.
135. Capacity per cylinder 398.5 cm.³ 24.3 cu. in.
136. Total cylinder capacity 1594.0 cm.³ 97.2 cu. in.
137. Material(s) of cylinder block Cast Iron 138. Material(s) of sleeves (if fitted) N/A
139. Cylinder head, material(s) Number fitted ONE
140. Number of inlet ports 4 141. Number of exhaust ports 4
142. Compression ratio
143. Volume of one combustion chamber cm.³ cu. in.
144. Piston, material 145. Number of rings
146. Distance from gudgeon pin centre line to highest point of piston crown mm. in.
147. Crankshaft: moulded/stamped forged 148. Type of crankshaft: integral/yes.....
149. Number of crankshaft main bearings 5
150. Material of bearing cap Steel
151. System of lubrication : dry sump/oil in sump
152. Capacity, lubricant ltrs. pts. quarts U.S.
153. Oil cooler : yes/no 154. Method of engine cooling
155. Capacity of cooling system ltrs. pts. quarts U.S.
156. Cooling fan (if fitted) dia. cm. in.
157. Number of blades of cooling fan

Bearings

158. Crankshaft main, type Steel backed shell dia. 54.0 m.m. 2.1 in.
159. Connecting rod big end, type Steel backed shell dia. 49.2 m.m. 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.



Make.....Lotus.....

Model.....Mark 47.....

F.I.A. Rec. No.....

FOUR STROKE ENGINES

170. Number of camshafts 3

172. Type of camshaft drive Chain

173. Type of valve operation Direct

171. Location (2 cylinder head

(1 block idler

INLET (see page 4)*

180. Material(s) of inlet manifold

181. Diameter of valves

mm.

ins.

182. Max. valve lift mm.

in.

183. Number of valve springs

184. Type of spring

185. Number of valves per cylinder 1

186. Tappet clearance for checking timing (cold)

mm.

ins.

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.

ins.

197. Max. valve lift mm.

in.

198. Number of valve springs

199. Type of spring

200. Number of valves per cylinder 1

201. Tappet clearance for checking timing (cold)

mm.

ins.

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.

ins.

216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)

mm.

ins.

INJECTION (if fitted)

220. Make of pump

221. Number of plungers

222. Model or type of pump

223. Total number of injectors

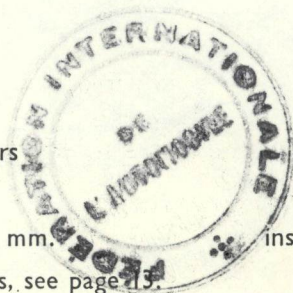
224. Location of injectors

225. Minimum diameter of inlet pipe

mm.

ins.

* For additional information concerning two-stroke engines and super-charged engines, see page 15.



Make.....Lotus.....

Model.....Mark 47.....

F.I.A. Rec. No.....

ENGINE ACCESSORIES

230. Fuel pump : mechanical and/or electrical

231. No. fitted

232. Type of ignition system

233. No. of distributors

234. No. of ignition coils

235. No. of spark plugs per cylinder

236. Generator, type : dynamo/alternator—number fitted

237. Method of drive

238. Voltage of generator volts

239. Battery, number

240. Location

241. Voltage of battery volts

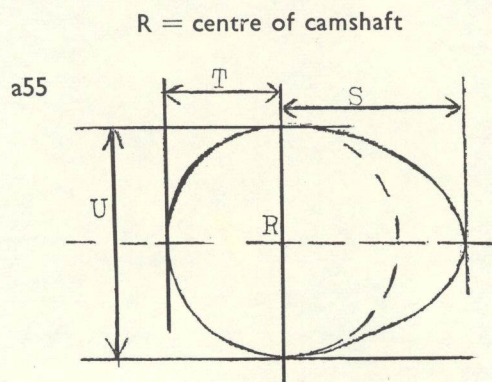
ENGINE AND CAR PERFORMANCES (as declared by manufacturer in catalogue)

250. Max. engine output (type of horsepower:) at r.p.m.

251. Max. r.p.m. output at that figure

252. Max. torque at r.p.m.

253. Max. speed of the car km./hour miles/hour



Inlet cam

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

Exhaust cam

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



Make.....Lotus.....

Model.....Mark 4.7.....

F.I.A. Rec. No.....

DRIVE TRAIN**CLUTCH**

260. Type of clutch

261. No. of plates

262. Dia. of clutch plates

cm.

ins.

263. Dia. of linings, inside

cm.

ins.

outside

cm.

ins.

264. Method of operating clutch

GEAR BOX (photograph H)

270. Manual type, make Hewland

Method of operation Rods and links

271. No. of gear-box ratios forward 5

272. Synchronized forward ratios

273. Location of gear-shift

274. Automatic, make Nil

type

275. No. of forward ratios N/A

276. Location of gear shift

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. 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 Spiral bevel

291. Type of differential Limited slip

292. Type of limited slip differential (if fitted)

Cam and plunger

293. Final drive ratio

Number of teeth



Make.....Lotus..... Model.....Mark 47..... 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, 186, 187, 188, 189, 201, 202, 203, 212, 213, 215, 216 222, 225, 230, 250, 251, 252, 253, 255 photographs I, M and N and page 4.

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.

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

on.....19.....	rec. no.....	List.....	on.....19.....	rec. no.....	List.....
on.....19.....	rec. no.....	List.....	on.....19.....	rec. no.....	List.....
on.....19.....	rec. no.....	List.....	on.....19.....	rec. no.....	List.....
on.....19.....	rec. no.....	List.....	on.....19.....	rec. no.....	List.....
on.....19.....	rec. no.....	List.....	on.....19.....	rec. no.....	List.....

Optional equipment affecting preceding information. This to be stated together with reference number.





MOTOR SPORT DIVISION
The Royal Automobile Club,
31 Belgrave Square, London, S.W.1

Manufacturer.....
Model..... MARK 47
F.I.A. Recognition No. 238 (Group 4)
Amendment No. 1 (one) / IE

Amendment to Form of Recognition

FEDERATION INTERNATIONALE

No.

Reference No.

1

Photo A



2

Photo B



3

Item 20 (page 6)

Chassis/body construction:

Separate.

4

Item 21 (page 6)

Unitary construction:

Delete.

5

Item 79 (page 7)

Type of spring:

Coil.

6

Item 139 (page 8)

Cylinder head, material:

Aluminium.

Date amendment is valid from 1st Nov. 1968

List 1968/10

[Signature]

Stamp of F.I.A./R.A.C.