

F.I.A. Recognition No. 240

Group 4 Sports



ROYAL AUTOMOBILE CLUB

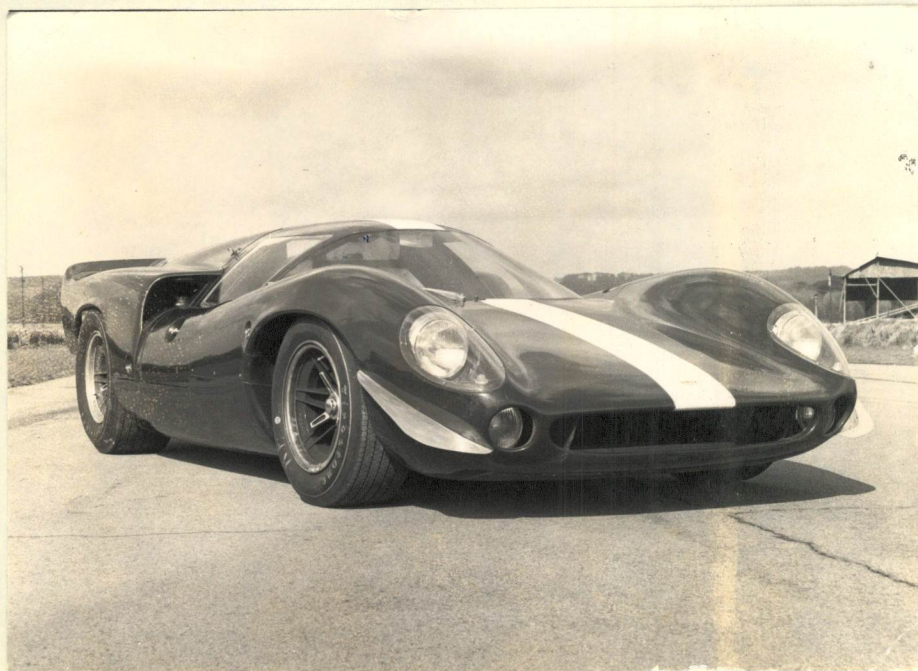
31, Belgrave Square, London, S.W.1

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

	Cylinder-capacity	4940	cm. ³	301.6	in. ³
Manufacturer	Lola Cars Limited	Model	T.70 Mk III	Manufacturer	Lola Cars Limited
Serial No. of chassis/body	SL73/101	Manufacturer	Lola Cars Limited	Manufacturer	Chevrolet
Serial No. of engine	RAF 8	Manufacturer	Chevrolet	Manufacturer	Chevrolet
Recognition is valid from	1st February 68	List	68/2	List	68/2

The manufacturing of the model described in this recognition form started on 19th February 1967...
and the minimum production of 50 (fifty) identical cars, in accordance with the specifications of
this form was reached on 31st January 1968.

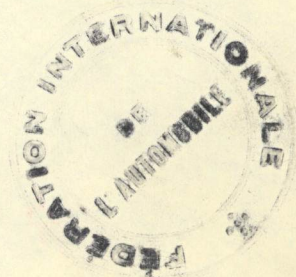
Photograph A, ¼ view of car from front



F.I.A. Stamp

Hubert Phoenix

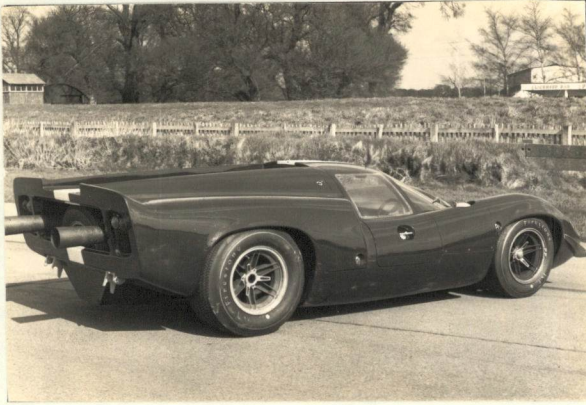
R.A.C. Stamp



Lola

T.70 Mk III

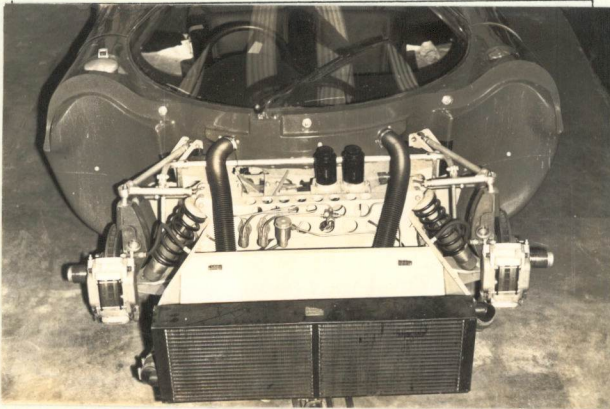
B



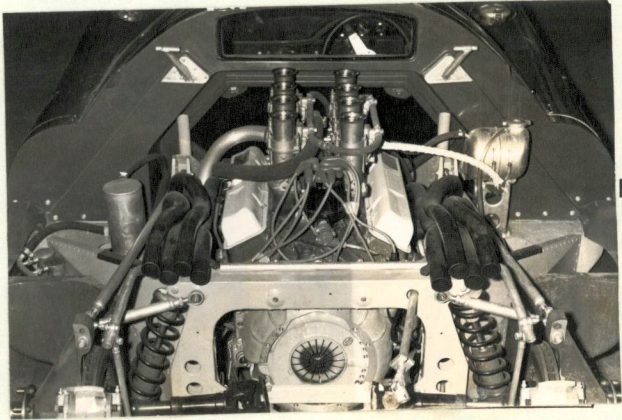
interior view of car through driver's door (open or removed)

C

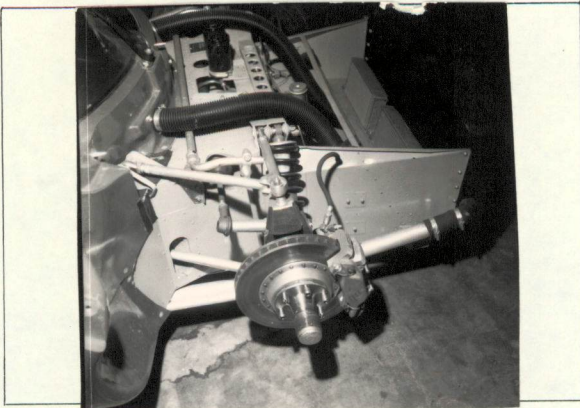
D



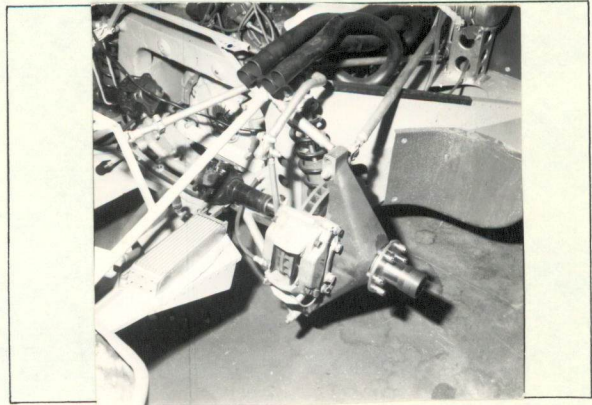
E



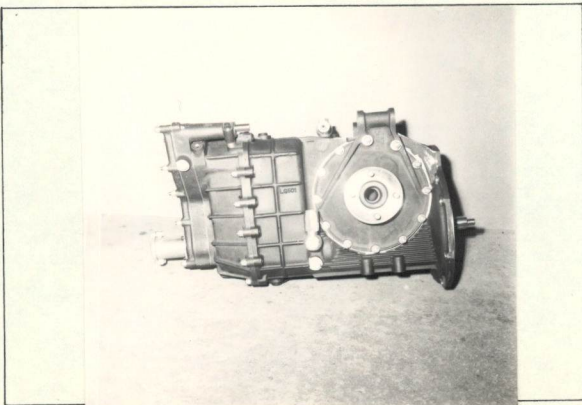
F



G

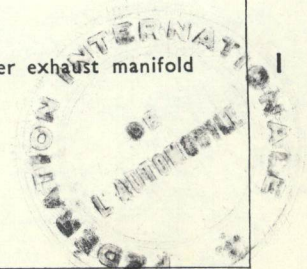


H

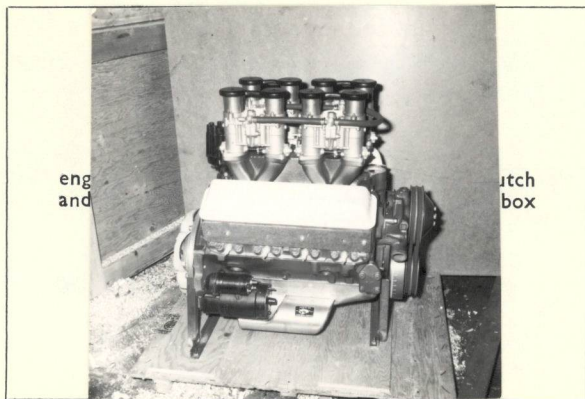


silencer + exhaust pipes after exhaust manifold

I



J



eng
and

rtch
box

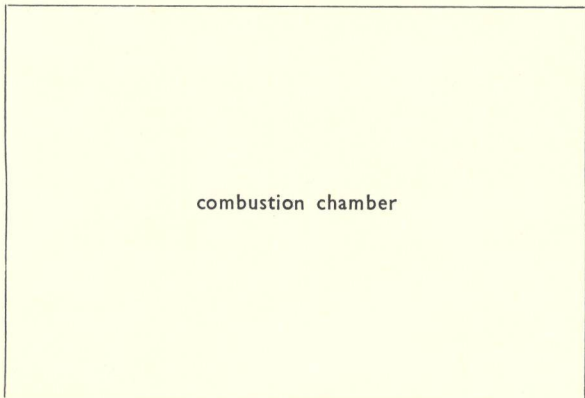


en
acc

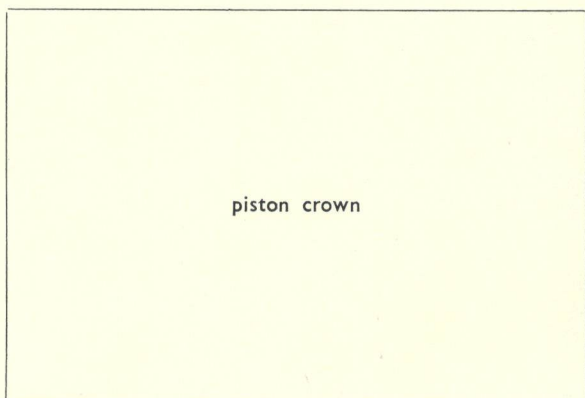
and
ter

K

L



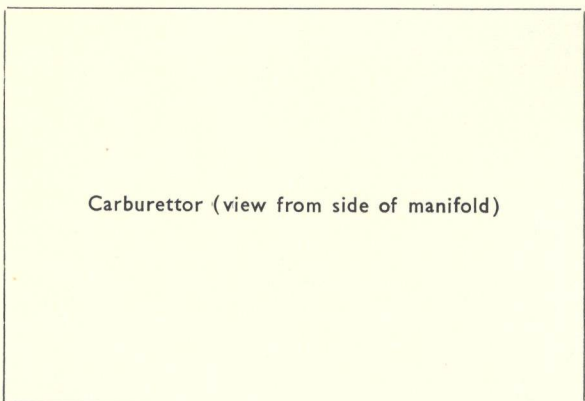
combustion chamber



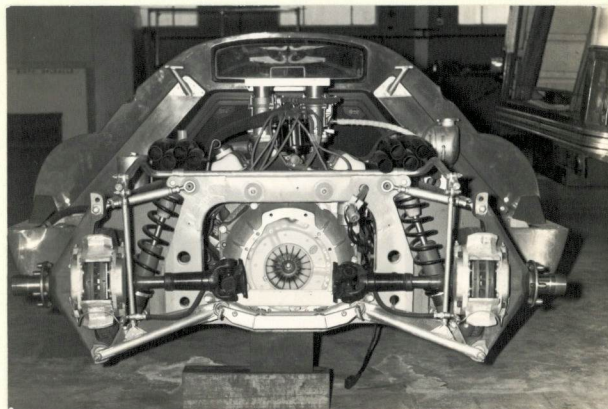
piston crown

M

N

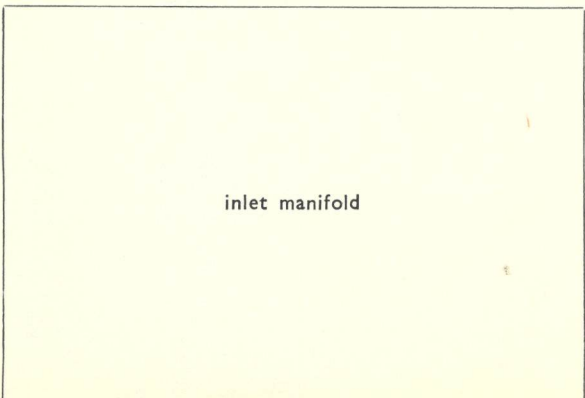


Carburettor (view from side of manifold)

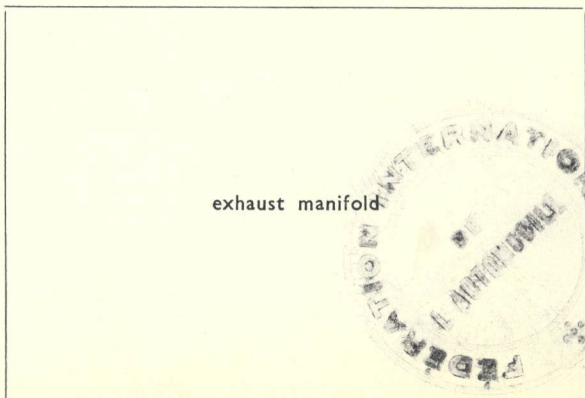


O

P



inlet manifold



exhaust manifold

Q

Make.....Lola.....

Model.....T.70 Mk III.....

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

Drawing inlet manifold ports,
side of cylinderhead. Indicate
scale or dimensions and manu-
facturing tolerance.

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

Drawing of exhaust manifold
ports, side of cylinderhead. Indi-
cate scale or dimensions and
manufacturing tolerance.

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

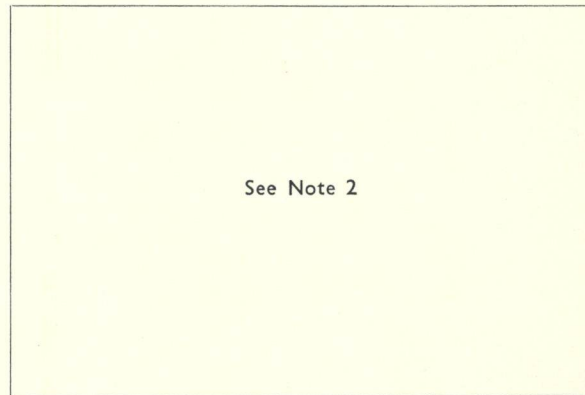
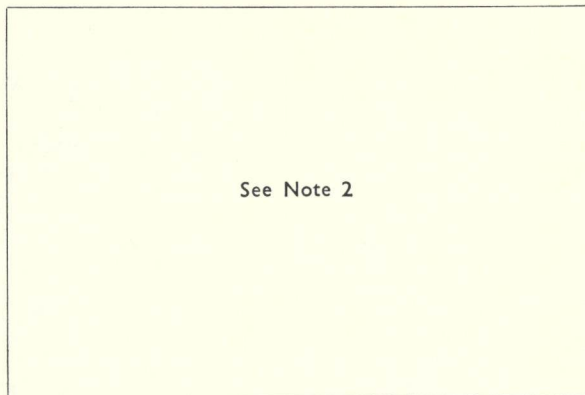


NOTE 1.

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

CAPACITIES AND DIMENSIONS

- | | | | |
|---------------------------------------|----------------|-------------------------|-----------|
| 1. Wheelbase | | 2413 mm. | 95 inches |
| 2. Front track with 8" rims (203 mm.) | | | |
| | ± 12.7 mm | $\pm .50$ inches. | |
| | 1448 mm. | 57 inches | |
| 3. Rear track with 10" rims (254 mm.) | | | |
| | ± 12.7 mm. | $\pm .50$ inches | |
| | 1461 mm. | 57 $\frac{1}{2}$ inches | |



- | | | | |
|--|---------|------------|------------------------|
| 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 : | | | |
| | 883 kg. | 1947 lbs. | 17 $\frac{1}{2}$ cwts. |

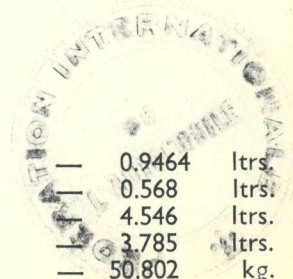
NOTE 2.

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	ltrs.
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.)	— 50.802	kg.



CHASSIS AND COACHWORK (Photographs A, B and C)

- 20. Chassis/body construction: separate/~~unitary construction~~
- 21. Unitary construction, material(s) N/A
- 22. Separate construction, Material(s) of chassis Aluminium and steel
- 23. Material(s) of coachwork Fibreglass
- 24. Number of doors Material(s) Fibreglass
- 25. Material(s) of bonnet Fibreglass
- 26. Material(s) of boot lid Fibreglass
- 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 :

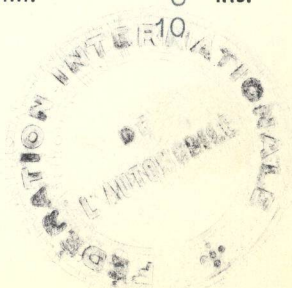
kg.	lbs.
-----	------
- 43. Rear seats, type of seat and upholstery
- 44. Front bumper, material(s) Weight kg. lbs.
- 45. Rear bumper, material(s) Weight kg. lbs.

WHEELS

- 50. Type
- 51. Weight (per wheel, without tyre) kg. lbs.
- 52. Method of attachment
- 53. Rim diameter 381 mm. 15 ins. 54. Rim width front 203 mm. 8 ins.
rear 254

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



SUSPENSION

- 70. Front suspension (photograph D), type Independent - coil spring & double wishbone
- 71. Type of spring Helical coil
- 72. Stabiliser (if fitted)
- 73. Number of shock absorbers
- 74. Type
- 78. Rear suspension (photograph E), type Independent - double wishbone & radius rod
- 79. Type of spring Helical coil
- 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

	FRONT		REAR	
93. Number of cylinders per wheel				
94. Bore of wheel cylinder(s)	mm.	inches	mm.	inches

Drum Brakes

95. Inside diameter	mm.	inches	mm.	inches
96. Length of brake linings	mm.	inches	mm.	inches
97. Width of brake linings	mm.	inches	mm.	inches
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.	inches	mm.	inches
101. Thickness of disc	mm.	inches	mm.	inches
102. Length of brake linings	mm.	inches	mm.	inches
103. Width of brake linings	mm.	inches	mm.	inches
104. Number of pads per brake				
105. Total area per brake	mm. ²	sq. in.	mm. ²	sq. in.

ENGINE (photographs J and K)

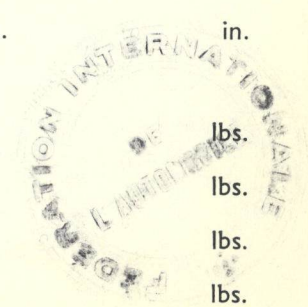
- | | | | |
|---|------------------------|--|-------------------------------------|
| 130. Cycle | Four stroke | 131. Number of cylinders | 8 |
| 132. Cylinder Arrangement | V 8 | | |
| 133. Bore | 101.60 mm. 4.00 in. | 134. Stroke | 76.20 mm. 3.00 in. |
| 135. Capacity per cylinder | | | 617.5 cm. ³ 37.7 cu. in. |
| 136. Total cylinder capacity | | | 4940 cm. ³ 301.6 cu. in. |
| 137. Material(s) of cylinder block | cast iron | 138. Material(s) of sleeves (if fitted) | |
| 139. Cylinder head, material(s) | cast iron | Number fitted | |
| 140. Number of inlet ports | 8 | 141. Number of exhaust ports | 8 |
| 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: XXXXXX /moulded/stamped | | 148. Type of crankshaft: integral/ XXXXXX | |
| 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 | Shell | dia. | m.m. | in. |
| 159. Connecting rod big end, type | Shell | dia. | 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 Lola

Model T.70 Mk III

F.I.A. Rec. No.

FOUR STROKE ENGINES

- | | |
|---|-------------------------------------|
| 170. Number of camshafts <u>One</u> | 171. Location <u>Cylinder block</u> |
| 172. Type of camshaft drive <u>Chain</u> | |
| 173. Type of valve operation <u>overhead (pushrod & rocker)</u> | |

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 <u>1</u> |
| 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 <u>1</u> |
| 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) | |

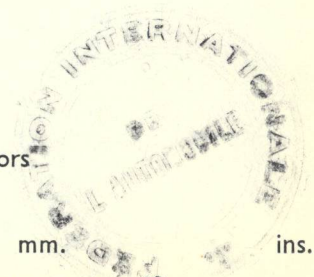
CARBURETION (photograph N)

- | | |
|--|------------|
| 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 13.



Make Lola

Model T.70 Mk III

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.

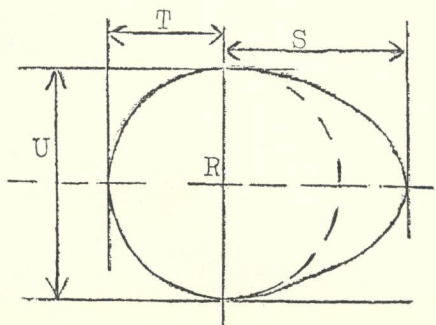
251. Max. r.p.m. output at that figure

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

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

R = centre of camshaft

a55

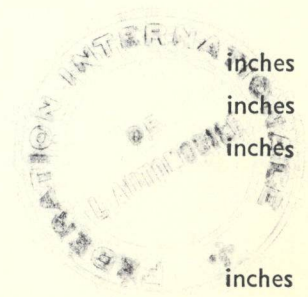


Inlet cam

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

Exhaust cam

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



Make Lola

Model T.70 Mk III

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 LG 600 Method of operation
- 271. No. of gear-box ratios forward 5 272. Synchronized forward ratios
- 273. Location of gear-shift
- 274. Automatic, make N/A 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 Hypoid
- 291. Type of differential Limited slip
- 292. Type of limited slip differential (if fitted) Salisbury Powr-lok
- 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, 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.....

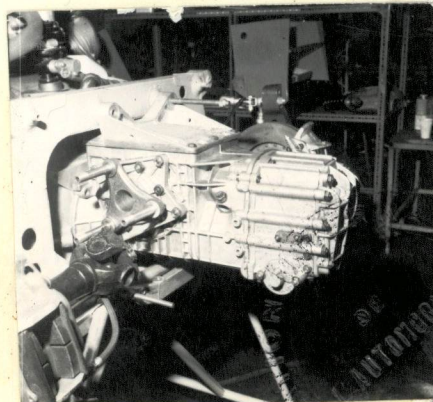
Optional equipment affecting preceding information. This to be stated together with reference number.

Variants

1. Reference 271 Hewland LG 500 Four speed gearbox (Externally similar to Photograph H)
2. Reference 292 Hewland cam and pawl limited slip differential.
3. Reference 270 ZF 5 speed gearbox type 5ds-25 (Photograph i)

Manufacturing Tolerances

1. For all machined surfaces allow 1%
2. For weights of all part machined parts allow 2.5%
3. For weights of all completely machined parts allow 1.25%



Photograph i