



F.I.A. Recognition No. 3045
Group III

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 Cars Ltd. Cylinder-capacity 1558 cm.³ 95.1 in.³
 Model Europa Twin Cam
 Serial No. of chassis/body 710918100P onwards Manufacturer Lotus Cars Ltd.,
 Serial No. of engine V24969 onwards Manufacturer Lotus Cars Ltd.
 Recognition is valid from..... List,
 The manufacturing of the model described in this recognition form started on September 10th 1971
 and the minimum production of 1000 identical cars, in accordance with the specifications of
 this form was reached on May 23rd 1972.

Photograph A, ¾ view of car from front



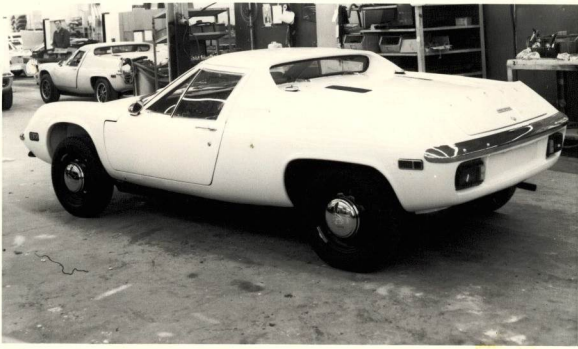
F.I.A. Stamp

R.A.C. Stamp



636

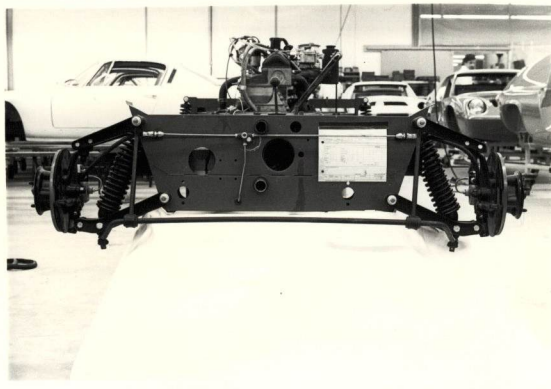
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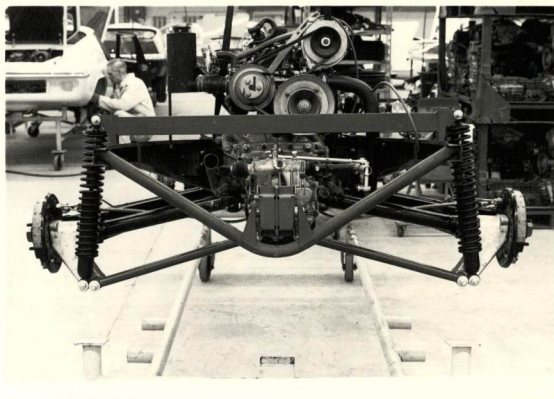
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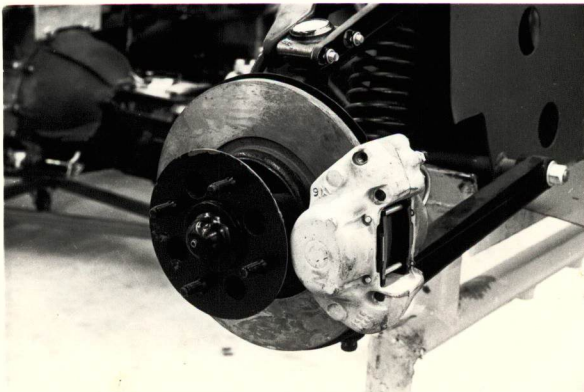
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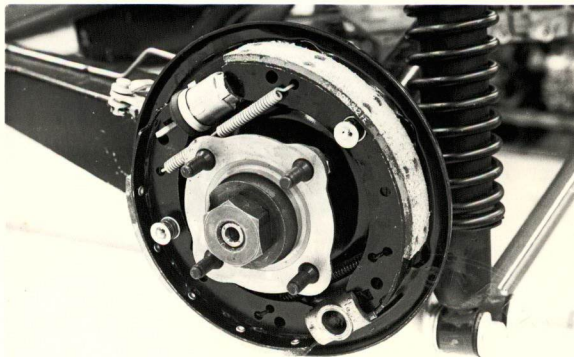
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F



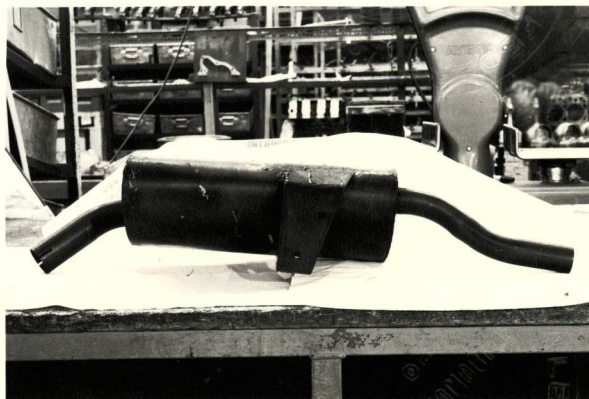
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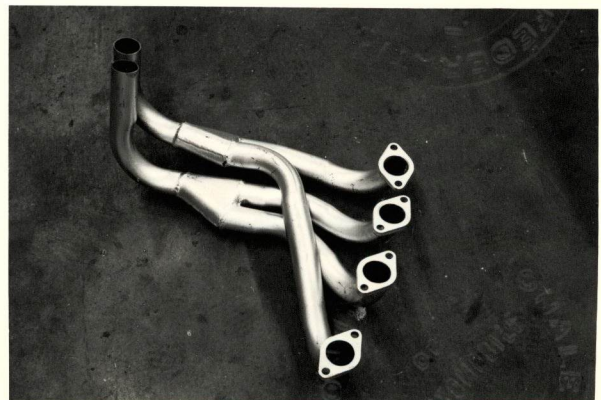
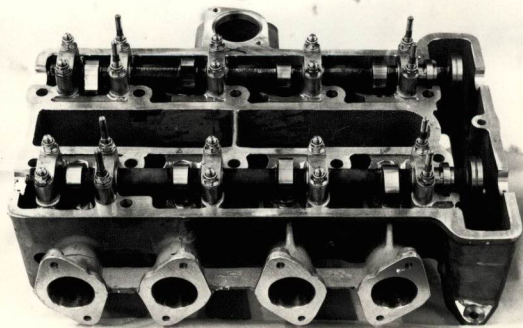
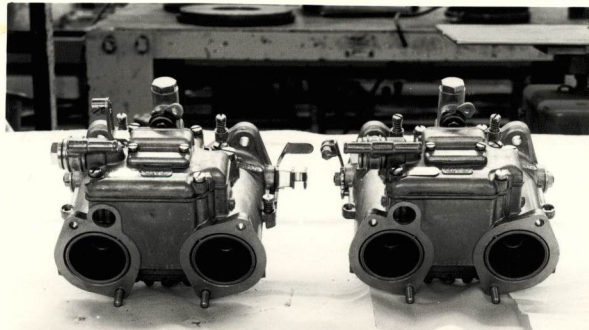
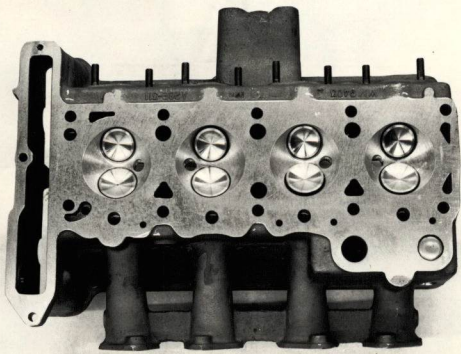
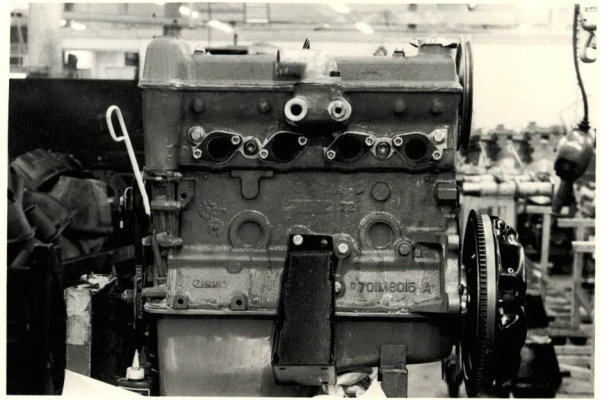
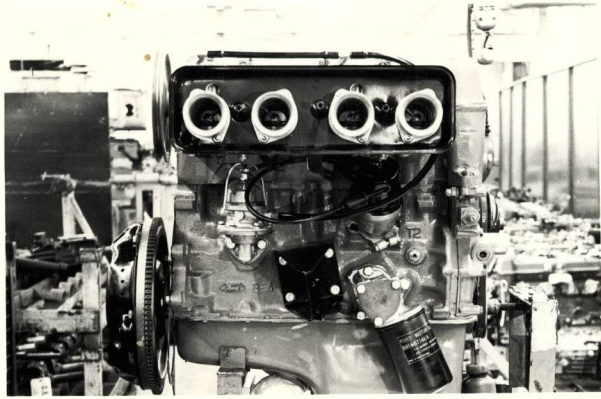
H



I



63h

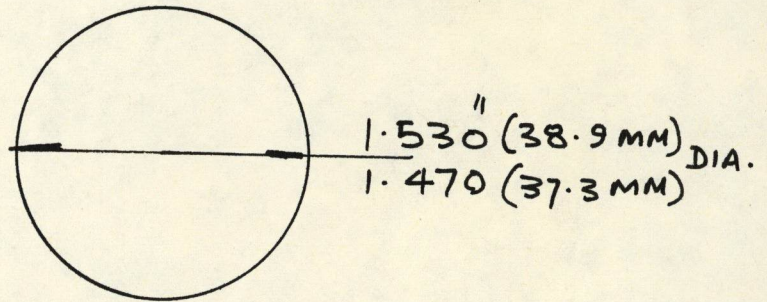


Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

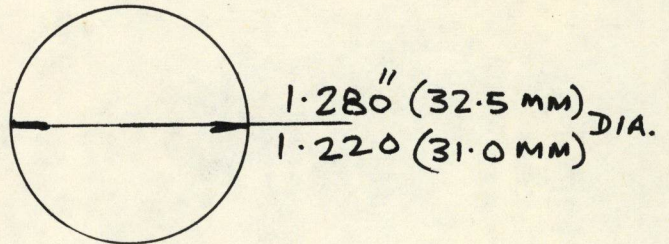
N/A

Manifold integral with head

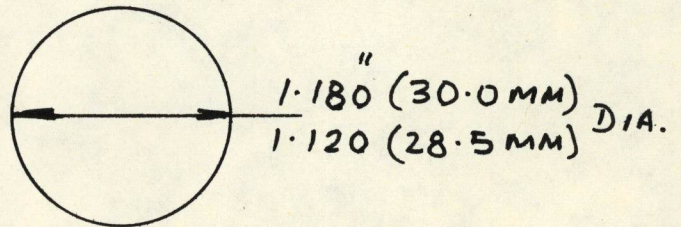
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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 | 2337 mm. | 92 inches |
| 2. Front track | 1358 mm. | 53.5 inches |
| 3. Rear track | 1346 mm. | 53 inches |

Ground clearance under Chassis Front Section between wishbones is 6.43 in. : **16.27 cm.**

See Note 2

See photograph D

Ground clearance under lowest point of Gearbox Mounting Cross Member is 6.43 in. : **16.27 cm.**

See Note 2

See photograph E

- | | | |
|--|-----------|-------------------------------|
| 4. Overall length of the car | 400 cm. | 157.5 inches |
| 5. Overall width of the car | 163.8 cm. | 64.5 inches |
| 6. Overall height of the car | 107.9 cm. | 42.5 inches |
| 7. Capacity of fuel tank (reserve included) | 56 ltrs. | 15 gall. U.S. 12.5 gall. Imp. |
| 8. Seating Capacity. | 2 | |
| 9. Weight. Total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools : | 710 kg. | 1513 lbs. 13.5 cwts. |

- NOTE 2.**
- | | | |
|------------------------------------|-----------|-----------|
| Overall width at front axle centre | 159.1 cm. | 62.2 ins. |
| " " " rear " " | 163.8 cm. | 64.5 ins. |

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 Separate
21. Unitary construction, material(s)
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 Tempered safety glass
28. Material(s) of windscreen Laminated safety glass
29. Material(s) of front-door windows Tempered safety glass
30. Material(s) of rear-door windows
31. Sliding system of door windows Electric
32. Material(s) of rear-quarter light

ACCESSORIES AND UPHOLSTERY

38. Interior heating : yes — no Yes
39. Air conditioning : yes — no No
40. Ventilation : yes — no Yes
41. Front seats, type of seat and upholstery Bucket.. PVC
42. Weight of front seat(s), complete with supports and rails, out of the car :
- | | | |
|--|-----------|---------|
| | 10.42 kg. | 23 lbs. |
|--|-----------|---------|
43. Rear seats, type of seat and upholstery
44. Front bumper, material(s) Steel Weight 2.38 kg. 5.25 lbs.
45. Rear bumper, material(s) Steel Weight 2.83 kg. 6.25 lbs.

WHEELS

50. Type Pressed steel bolt-on
51. Weight (per wheel, without tyre) 5.32 kg. 11.75 lbs.
52. Method of attachment 4 stud-bolt-on
53. Rim diameter 329.5 mm. 13 ins. 54. Rim width 114.3 mm. 4.50 ins.

STEERING

60. Type Rack and Pinion
61. Servo-assistance : yes — no No
62. Number of turns of steering wheel from lock to lock 2 $\frac{3}{8}$
63. In case of servo-assistance

Make Lotus

Model Europa T/C

F.I.A. Rec. No. 636

SUSPENSION

- 70. Front suspension (photograph D), type Independent Double-Wishbone
- 71. Type of spring Coil
- 72. Stabiliser (if fitted) Anti-roll bar
- 73. Number of shock absorbers 2
- 74. Type Telescopic - Hydraulic
- 78. Rear suspension (photograph E), type Independent - Radius arm and link
- 79. Type of spring Coil
- 80. Stabiliser (if fitted)
- 81. Number of shock absorbers 2
- 82. Type Telescopic - Hydraulic

BRAKES (photographs F and G)

- 90. Method of operation Hydraulic
- 91. Servo-assistance (if fitted), type Vacuum
- 92. Number of hydraulic master cylinders 1
- 93. Number of cylinders per wheel 1
- 94. Bore of wheel cylinder(s)

FRONT

REAR

	48.0 mm. 1.89 inches		19.0 mm. .75 inches
--	----------------------	--	---------------------

Drum Brakes

- | | | |
|---------------------------------|--------------------------|--------------------------------------|
| 95. Inside diameter | mm. inches | 203 mm. 8 inches |
| 96. Length of brake linings | mm. inches | 194.7 mm. 7.70 inches |
| 97. Width of brake linings | mm. inches | 31.7 mm. 1.25 inches |
| 98. Number of shoes per brake 2 | | |
| 99. Total area per brake | mm. ² sq. in. | 12710 mm. ² 19.20 sq. in. |

Disc Brakes

- | | | |
|---------------------------------|------------------------------------|--------------------------|
| 100. Outside diameter | 247.6 mm. 9.75 inches | mm. inches |
| 101. Thickness of disc | 9.3 mm. .375 inches | mm. inches |
| 102. Length of brake linings | 42 mm. 1.65 inches | mm. inches |
| 103. Width of brake linings | 62 mm. 2.44 inches | mm. inches |
| 104. Number of pads per brake 2 | | |
| 105. Total area per brake | 5032 mm. ² 7.82 sq. in. | mm. ² sq. in. |

ENGINE (photographs J and K)

- | | | | |
|---|--|---|-------------------------------------|
| 130. Cycle | Otto | 131. Number of cylinders | 4 |
| 132. Cylinder Arrangement | In Line | | |
| 133. Bore | 82.55 mm. 3.25 in. | 134. Stroke | 72.75 mm. 2.864 in. |
| 135. Capacity per cylinder | | | 389.5 cm. ³ 23.8 cu. in. |
| 136. Total cylinder capacity | | | 1558 cm. ³ 95.1 cu. in. |
| 137. Material(s) of cylinder block | Cast iron | 138. Material(s) of sleeves (if fitted) | - |
| 139. Cylinder head, material(s) | Alumn. alloy | Number fitted | 1 |
| 140. Number of inlet ports | 4 | 141. Number of exhaust ports | 4 |
| 142. Compression ratio | 9.5:1 | | |
| 143. Volume of one combustion chamber | | | 45.8 cm. ³ 2.80 cu. in. |
| 144. Piston, material | Tin-plated Alumn. alloy | 145. Number of rings | 3 |
| 146. Distance from gudgeon pin centre line to highest point of piston crown | | | 1.536 mm. 1.538 in. |
| | | | 39.014/39.065 |
| 147. Crankshaft : moulded/stamped | Moulded | 148. Type of crankshaft: integral/..... | Integral |
| 149. Number of crankshaft main bearings | 5 | Crankshaft material: | Nodular Graphite Cast Iron |
| 150. Material of bearing cap | Cast iron | | |
| 151. System of lubrication : | dry sump oil in sump | | |
| 152. Capacity, lubricant | 4 ltrs. 7.5 pts. | | 4.5 quarts U.S. |
| 153. Oil cooler : yes/no | No | 154. Method of engine cooling | Water-cooled |
| 155. Capacity of cooling system | 10.8 ltrs. 19 pts. | | 11.4 quarts U.S. |
| 156. Cooling fan (if fitted) dia. | Electrically driven, not engine driven | | 25.4 cm. 10 in. |
| 157. Number of blades of cooling fan | 4 | | |

Bearings

- | | | | | | | |
|-----------------------------------|-------------------|------|--------|------|--------|-----|
| 158. Crankshaft main, type | Plain Thin-Walled | dia. | 53.987 | m.m. | 2.1255 | in. |
| 159. Connecting rod big end, type | Plain Thin-Walled | dia. | 54.000 | m.m. | 2.1260 | in. |
| | | | 49.199 | m.m. | 1.9370 | in. |
| | | | 49.211 | | 1.9375 | |

Weights

- | | | | | | | |
|---|-----------|---------|---------------------|---------|-------|------|
| 160. Flywheel (clean) | | | 7.02 | kg. | 15.50 | lbs. |
| 161. Flywheel with clutch (all turning parts) | | | 11.89 | kg. | 26.25 | lbs. |
| 162. Crankshaft | 10.87 kg. | 24 lbs. | 163. Connecting rod | .53 kg. | 1.19 | lbs. |
| 164. Piston with rings and pin | | | | .57 kg. | 1.25 | lbs. |

FOUR STROKE ENGINES

170. Number of camshafts Two 171. Location Overhead
 172. Type of camshaft drive Chain
 173. Type of valve operation Twin O.H.C. Cam followers actuating valves directly

INLET (see page 4)*

180. Material(s) of inlet manifold EN52
 181. Diameter of valves 38.760/38.862 mm. 1.526/1.530 ins.
 182. Max. valve lift 8.89 mm. 0.350 in. 183. Number of valve springs 2
 184. Type of spring Helical 185. Number of valves per cylinder 1
 186. Tappet clearance for checking timing (cold ~~XXXX~~) .177/.127 mm. .007/.005 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) 26° B.B.D.C. **WARM:**
 188. Valves close at (with tolerance for tappet clearance indicated) 66° A.T.D.C. .228/.177 mm
 189. Air filter, type Paper Element (Dry) .009/.007 in.

EXHAUST (see page 4)*

195. Material(s) of exhaust manifold 21-4N-S 1.325
 196. Diameter of valves 33.553/33.655 mm. 1.321 ins.
 197. Max. valve lift 8.89 mm. 0.350 in. 198. Number of valve springs 2
 199. Type of spring Helical 200. Number of valves per cylinder 1
 201. Tappet clearance for checking timing (cold ~~XXXX~~) .279/.229 mm. 0.011/0.009 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 66° B.B.D.C. **WARM:**
 203. Valves close at (with tolerance for tappet clearance indicated) 26° A.T.D.C. .330/.279 mm
 204. Diameter outlet orifice exhaust manifold 34.9 mm. 1.375 ins.

CARBURETION (photograph N)

210. Number of carburettors fitted Two 211. Type Twin barrel Fixed Choke Side Draught
 212. Make Dell 'Orto 213. Model 4 $\frac{3}{4}$ DHLA
 214. Number of mixture passages per carburettor 2
 215. Flange hole diameter of exit port(s) of carburettor 40 mm. 1.575 ins.
 216. Minimum diameter of venturi/minimum diam., with piston at maximum height (example : SU)
30 mm. 1.181 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 Lotus

Model Europa T/C

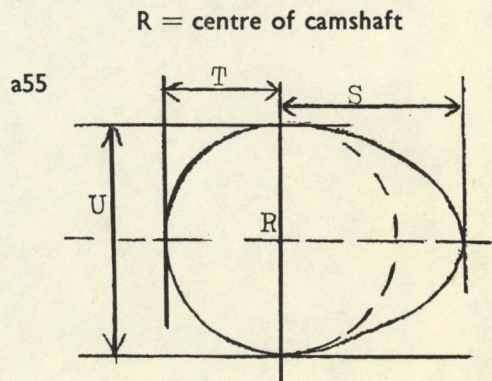
F.I.A. Rec. No. 634

ENGINE ACCESSORIES

- 230. Fuel pump : mechanical and/or electrical Mechanical
- 231. No. fitted One
- 232. Type of ignition system Coil 233. No. of distributors One
- 234. No. of ignition coils One 235. No. of spark plugs per cylinder One
- 236. Generator, type : dynamo/alternator—number fitted Alternator - one
- 237. Method of drive V-belt.
- 238. Voltage of generator 12 volts
- 239. Battery, number One
- 240. Location in engine bay
- 241. Voltage of battery 12 volts

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

- 250. Max. engine output 105 (type of horsepower: SAE Nett) at 6000 r.p.m.
- 251. Max. r.p.m. 6500 output at that figure 98
- 252. Max. torque 14.240 kg.m. (103 lb/ft) at 4,500 r.p.m.
- 253. Max. speed of the car 189 km./hour 117 miles/hour



Inlet cam

S =	24.15	mm.	0.950	inches
T =	15.24	mm.	0.600	inches
U =	30.48	mm.	1.200	inches

Exhaust cam

S =	24.15	mm.	0.950	inches
T =	15.24	mm.	0.600	inches
U =	30.48	mm.	1.200	inches

DRIVE TRAIN

CLUTCH

Diaphragm Spring

- 260. Type of clutch
- 261. No. of plates 1
- 262. Dia. of clutch plates 21.43 cm. 8.437 ins.
- 263. Dia. of linings, inside 13.61 cm. 5.750 ins.
- outside 21.43 cm. 8.437 ins.
- 264. Method of operating clutch Cable

GEAR BOX (photograph H)

- 270. Manual type, make Renault Method of operation Manual - remote
- 271. No. of gear-box ratios forward 4 272. Synchronized forward ratios All
- 273. Location of gear-shift on central tunnel.
- 274. Automatic, make N/A type
- 275. No. of forward ratios 276. Location of gear shift

277.	Manual		Automatic		Alternative manual/automatic			
	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth	Ratio	No. teeth
1	3.61:1	13/47						
2	2.26:1	19/43						
3	1.48:1	25/37						
4	1.03:1	31/32						
5								
6								
reverse								

- 278. Overdrive, type Not fitted
- 279. Forward gears on which overdrive can be selected
- 280. Overdrive ratio

FINAL DRIVE

- 290. Type of final drive Transaxle 291. Type of differential Hypoid gear
- 292. Type of limited slip differential (if fitted in series-production) N/A
- 293. Final drive ratio 3.56:1 Number of teeth 9/32

IMPORTANT :

During the scrutineering of cars entered in group 5 (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.

Normal Manufacturers Tolerances

± .005" General Machining

± .030" to ± .060" Fabrications

53. Rim Dia. 54. Rim width

Optional wheel size:

Rim dia.:	329.5 mm	13 ins.
Rim width:	139.7 mm	5.50 ins

This option does not affect the front or rear track.



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

Manufacturer Lotus Cars Ltd.,

Model Europa Twin Cam

F.I.A. Recognition No. 3065

Amendment No. 2/2v

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No. Option: 5-speed gearbox

VALID FOR GR 4 ONLY

253. Max. speed of the car
222 km/hour 139 miles/hour

Gearbox:

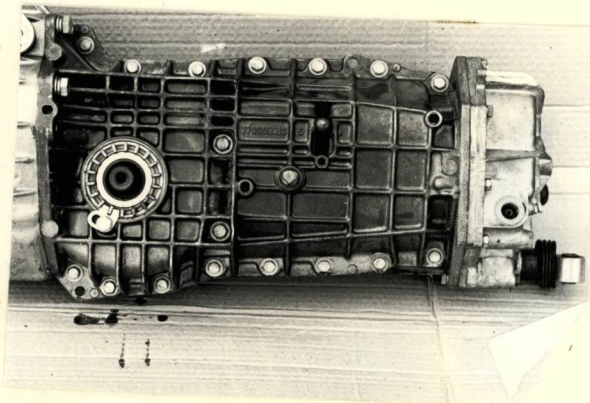
271 No. of gear ratios forward:

277 . Manual

	Ratio	No. teeth
1	3.61:1	13/47
2	2.33:1	18/42
3	1.61:1	23/37
4	1.21:1	28/34
5	0.87:1	31/27

Final Drive:

293 Final drive ratio 3.77:1
Number of teeth 9/34



Date amendment is valid from 1/2/72

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



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

Manufacturer Lotus Cars Ltd.

Model Europa Twin Cam

F.I.A. Recognition No. 3045

Amendment No. 3/3V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

PHOTOGRAPHS MUST BE 3" x 2" AND A MATT FINISH

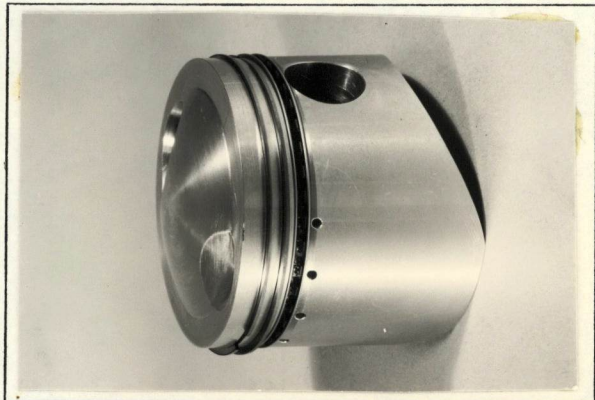
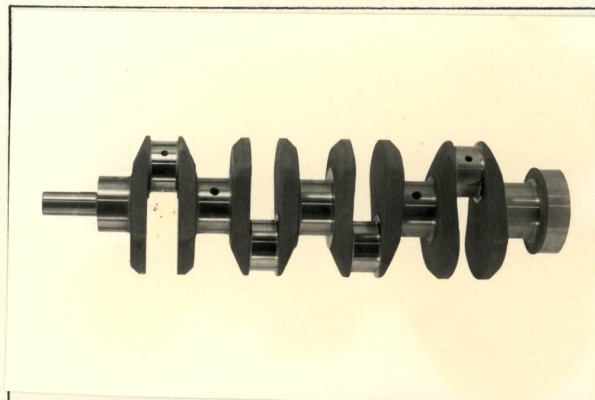
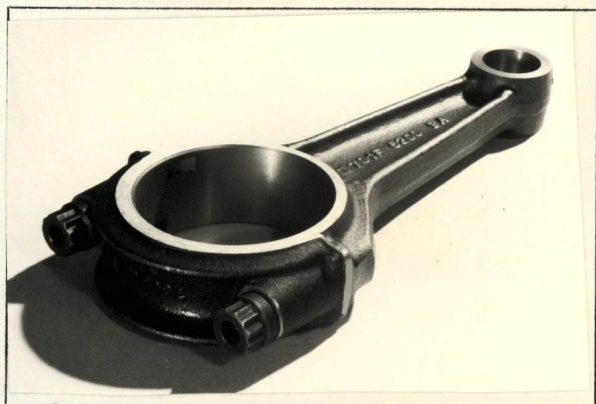


Photo. M: Optional forged aluminium alloy piston



Photograph of optional steel crankshaft



Photograph of optional steel connecting rod

"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Date amendment is valid from.....

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MOTOR SPORT DIVISION
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Manufacturer Lotus Cars
Model Europa Twin Cam
F.I.A. Recognition No. 3045
Amendment No. 3/3V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. 5

Reference No.

Valid Group IV

148 Crankshaft Material: Steel: Part No. A 074 E 6018Z

Steel Connecting Rods: Part No. A 074 E 6019Z

144 Forged Aluminium Alloy Pistons:
Part No. A 074 E 6024Z

145 3

See Photograph Q

"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Date amendment is valid from.....

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Manufacturer Lotus Cars Ltd.
Model Europa Twin Cam
F.I.A. Recognition No. 3045
Amendment No. 4/hv

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.	Option Big Valve Engine
	142	Compression Ratio 10.3:1
	143	Volume of one combustion chamber 41.9cm ³ 2.56 cu.ins.
	181	Diameter of (inlet) valves 39.764/39.612mm 1.566/1.560 ins
	182	Max. (inlet) valve lift 9.14 mm .360 ins
	187	(Inlet) valves open at 25° B.T.D.C.
	188	(Inlet) valves closes at 65° A.B.D.C.
	197	Max. (Exhaust) valve lift 9.14mm .360 ins
	202	(Exhaust) valves open at 65° B.B.D.C.
	203	(Exhaust) valves closes at 25° A.T.D.C.
	216	Min. dia. of venturi 33 mm 1.299 ins
	<u>Engine and car performance</u> - as declared by manufacturer in catalogue	
	250	Max. engine output 126 (type of horsepower: SAE Nett) at 6500 rpm
	251	Max. rpm 6800 Output at that figure 118
	252	Max. torque 15.610 (113 lbs.ft) at 5500 rpm kg.m.

Date amendment is valid from 1.4.73

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Manufacturer Lotus Cars LimitedModel Europa Twin CamF.I.A. Recognition No. 3045Amendment No. h/h.V

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

*Amendment to Form of Recognition***FEDERATION INTERNATIONALE DE L'AUTOMOBILE**

No.	Reference No.		
1	253	Max. Speed of the car 195km/hour	122 miles/hour
	a55	<u>Inlet Cam</u>	
		S = 23.64 mm	.930 ins.
		T = 14.48 mm	.570 ins.
		U = 28.96 mm	1.140 ins.
		<u>Exhaust Cam</u>	
		S = 23.64 mm	.930 ins.
		T = 14.48 mm	.570 ins.
		U = 28.96 mm	1.140 ins.
	94	Bore of Wheel Cylinders - Rear 17.8 mm	.70 ins.
	97	Width of Brake Linings - Rear 38.1 mm	1.50 ins.

Date amendment is valid from.....

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



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

Manufacturer Lotus Cars Ltd.

Model Europa ^S Twin Cam

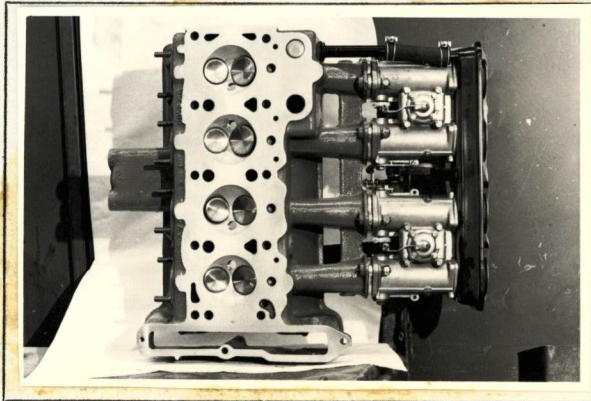
F.I.A. Recognition No. 3045

Amendment No. 4/6V

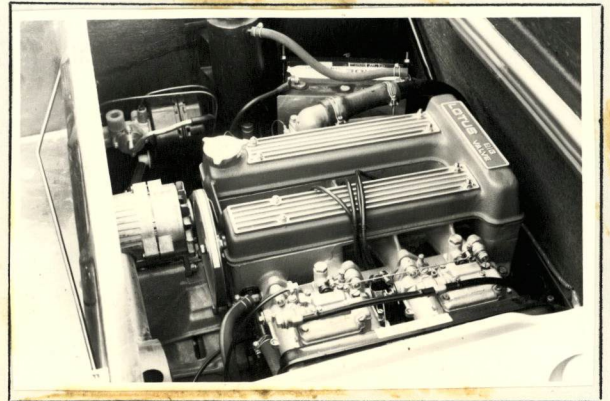
Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

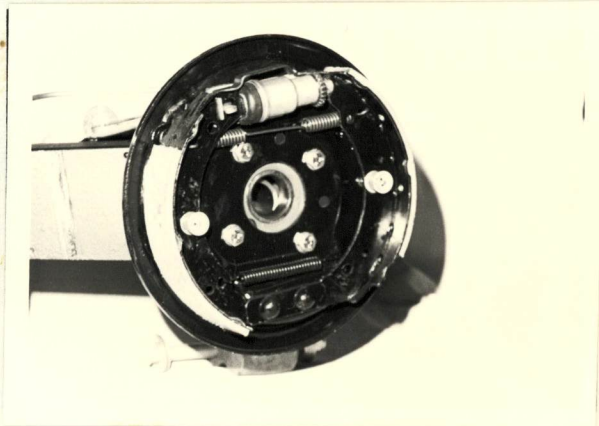
PHOTOGRAPHS MUST BE 3" x 2" AND A MATT FINISH



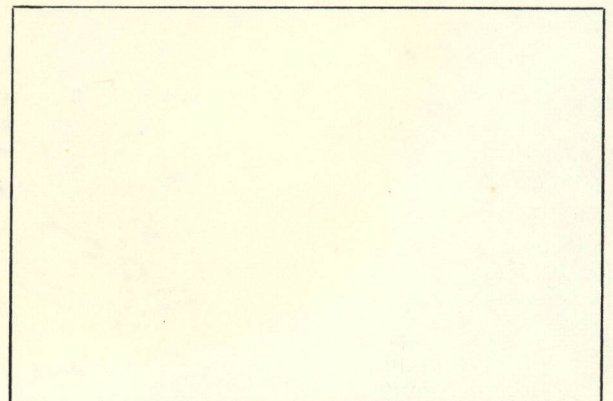
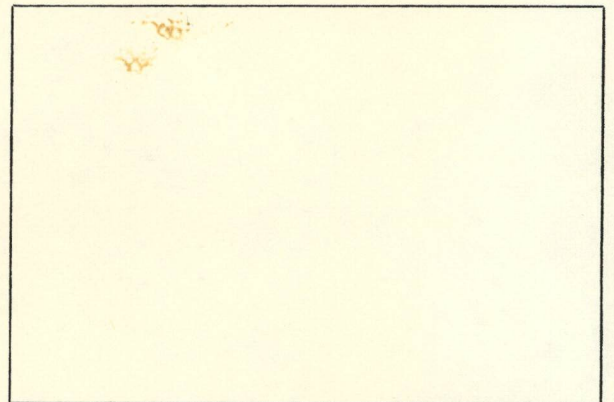
Photograph L



Photograph O



PHOTOGRAPH G



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MOTOR SPORT DIVISION
The Royal Automobile Club
31 Belgrave Square, London SW1X 8QH

Manufacturer Lotus Cars Ltd.,
 Model Europa Twin Cam
 F.I.A. Recognition No. 3045
 Amendment No. 5/1E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

VALID IN GROUP.....³.....

No. | Reference No.

EVOLUTION

- 50 Aluminium Alloy
- 51 5.557 Kgs. 12.25
- 52 4 Stud Bolt-on
- 53 329.5 mm 13 ins.
- 54 139.7 mm 5.50 ins.



Date amendment is valid from 1 7 73

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

Lotus Cars Ltd.

Manufacturer
Europa Twin Cam
Model
3045
F.I.A. Recognition No.
Amendment No. 6/5V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No. Option: 5-speed gearbox (Renault Type 365)

253. Max. speed of the car
222 km/hour 139 miles/hour

Gearbox:

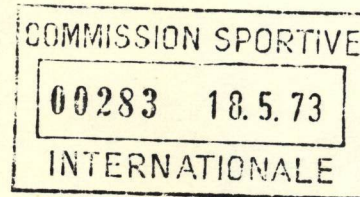
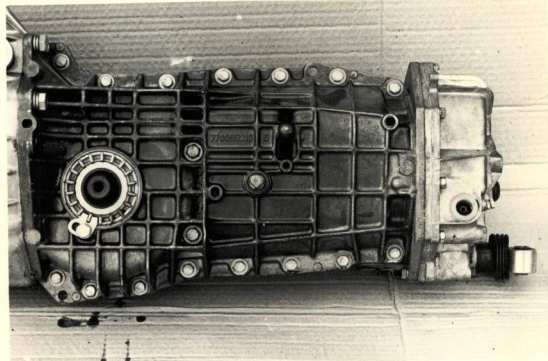
271 No. of gear ratios forward: 5

277. Manual

	Ratio	No. teeth
1	3.61:1	13/47
2	2.33:1	18/42
3	1.61:1	23/37
4	1.21:1	28/34
5	0.87:1	31/27

Final Drive:

293 Final drive ratio 3.77:1
Number of teeth 9/34



Date amendment is valid from... 1.7.73

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MOTOR SPORT DIVISION
The Royal Automobile Club
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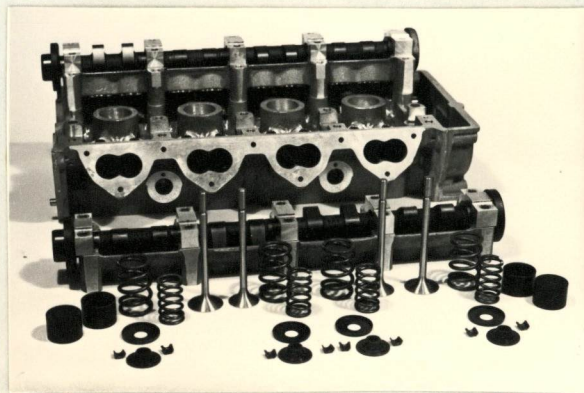
Manufacturer Lotus Cars Ltd.
 Model Europa Twin Cam
 F.I.A. Recognition No. 3045
 Amendment No. 7/6V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

VALID IN GROUP.....4.....

No.	Reference No.
	<u>CYLINDER HEAD PART NO. KK 0109</u>
139	Aluminium Alloy
170	2
171	In Cylinder Head
172	Chain
173	OHC Tappets
185	2
200	2



"valable en Groupe 4 uniquement"
 "valid for Group 4 only"



Date amendment is valid from 1.7.73

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

Manufacturer Lotus Cars Limited

Model Europa Twin-Cam

F.I.A. Recognition No. 3045

Amendment No. 9/7V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

Optional Gearbox :

Hewland FT 200 gearbox with the following :-

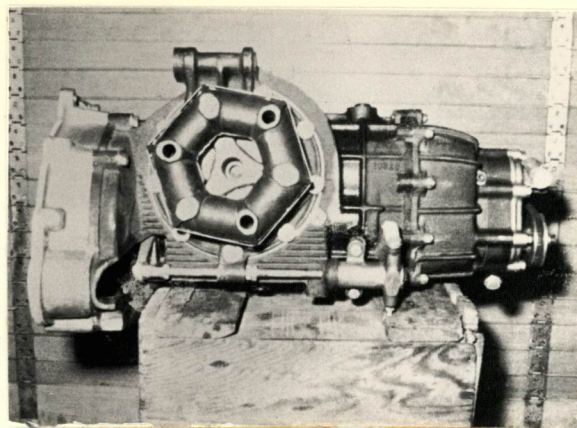
Crown Wheel & Pinion :

8/31, 9/31, 10/31

"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Gears :

14/46	14/34	18/30	21/27
12/35	14/32	18/28	21/26
13/35	15/32	19/28	22/26
	16/32	20/28	22/25
	16/30	20/27	22/24
	17/30		23/24
			24/24



Date amendment is valid from 1.1.76

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COMMISSION SPORTIVE
01451 16.1173
INTERNATIONALE



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

Manufacturer Lotus Cars Ltd.,
 Model Europa Twin Cam
 F.I.A. Recognition No. 3045
 Amendment No. 8/2E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.
	<p><u>ERRATUM</u> Revision to Amendment No. 7/6U (Cylinder Head Part No. KK0109) 172 Was 'Chain' should read 'Gear'</p>

Date amendment is valid from 1.1.76

[Handwritten Signature]
 Stamp of F.I.A./R.A.C

COMMISSION SPORTIVE
01451 10.1173
INTERNATIONALE



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

Manufacturer Lotus Cars Ltd.
Model Europa Twin Cam
F.I.A. Recognition No. 3045
Amendment No. 10/8V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No. Reference No.

Optional Gear Ratios:

Optional 5th Gears:

277	Ratio	No. of teeth
5	1.03:1	31/32
5	0.97:1	31/30
5	0.93:1	32/30

Optional Final Drive Ratios:

293	Final Drive Ratio	3.56:1	3.375:1
	No. of teeth	9/32	8/27

"valable en Groupe 4 uniquement"
"valid for Group 4 only"

Date amendment is valid from 1.1.76

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

COMMISSION SPORTIVE
01451 16.1173
INTERNATIONALE



MOTOR SPORT DIVISION
The Royal Automobile Club
31 Belgrave Square, London SW1X 8QH

Manufacturer LOTUS CARS LTD.,
 Model EUROPA TWIN-CAM



Recognition No. 3045
 Amendment No.

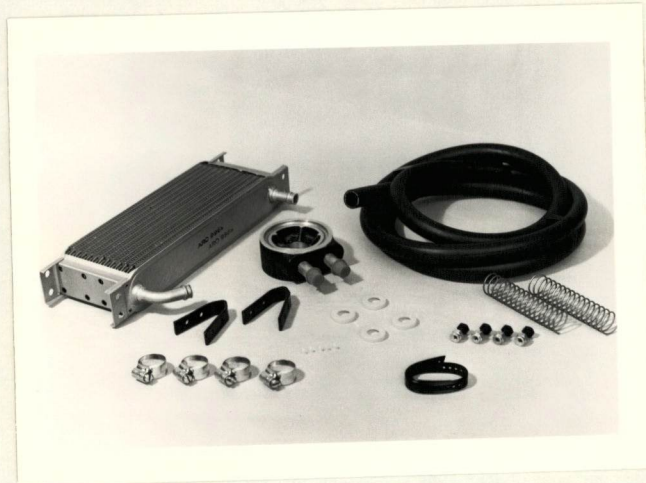
Amendment to Form of Recognition

FÉDÉRATION INTERNATIONALE DE L'AUTOMOBILE

VALID IN GROUP.....

No. | Reference No.

Option: Oil Cooler Kit. Part Number A007W6002Z.



Date amendment is valid from.....

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MOTOR SPORT DIVISION
The Royal Automobile Club
31 Belgrave Square, London SW1X 8QH

Manufacturer LOTUS CARS LTD.,
 Model EUROPA TWIN-CAM
 F.I.A. Recognition No. 3045
 Amendment No. 11/3E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

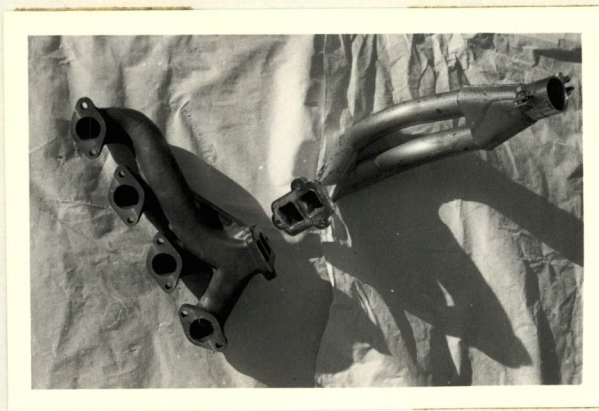
VALID IN GROUP.....3.....



No. | Reference No.

EVOLUTION

Cast Iron Exhaust Manifold. Part No. X026S001A.



Page 3.
 Photo Q.

195 | Material(s) of exhaust manifold - High quality grey cast iron grade 12.

204 | 1.25" 31.8 mm

Date amendment is valid from.....1.6.76.....

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

Manufacturer Lotus Cars Ltd.,
Model EUROPA TWIN-CAM
F.I.A. Recognition No. 3045
Amendment No. 12/6E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.	<u>ERRATA</u>
Page 4.		Drawing of entrance to inlet port of cylinder head. Incorrectly shown as: 1.530" (38.9mm) dia 1.470" (37.3mm) Should read: 1.600" (40.6mm) dia 1.540" (39.1mm)
Page 8. 146		Distance from gudgeon pin centre , line to highest point of piston crown. Incorrectly shown as: 39.014/39.065mm 1.536 in. 1.538 in. Should read: 39.386/40.345mm 1.549 in. 1.553 in.

Date amendment is valid from... 1.6.76

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