

F.I.A. Rec. No. 527
Group 3 - Grand Touring

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.....1558.....cm³.....95.....in³
Manufacturer.....LOTUS CARS LTD..... Model.....ELAN.....
Serial No. of chassis.....26/3001 ONWARDS..... Manufacturer.....LOTUS CARS LTD.....
engine.....LP/001 ONWARDS..... Manufacturer.....LOTUS CARS LTD.....
Recognition is valid from.....1/2/66..... List.....14/2.....GROUP 3.....

The manufacturing of the model described in this recognition form was started on
10th.OCTOBER....1962 and the minimum production of.....500.....identical cars,
in accordance with the specifications of this form was reached on.....MARCH.....1963

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



F.I.A. Stamp



Make

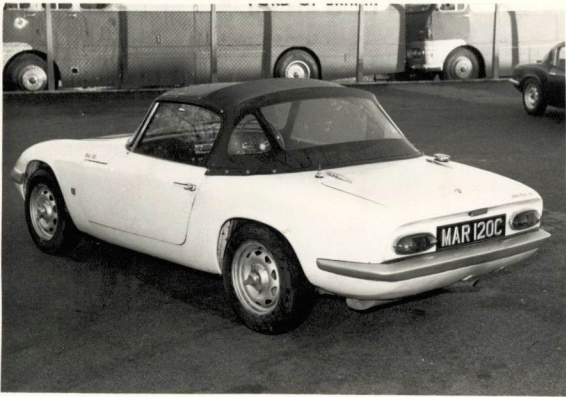
LOTUS

Model

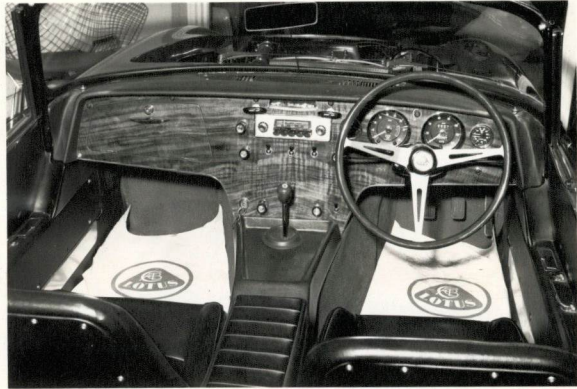
ELAN

F.I.A. Rec.no. 527.

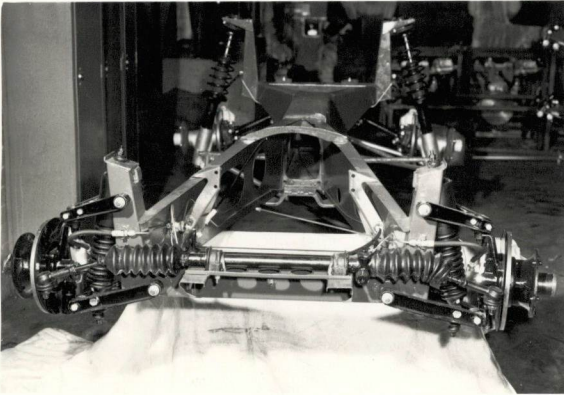
B



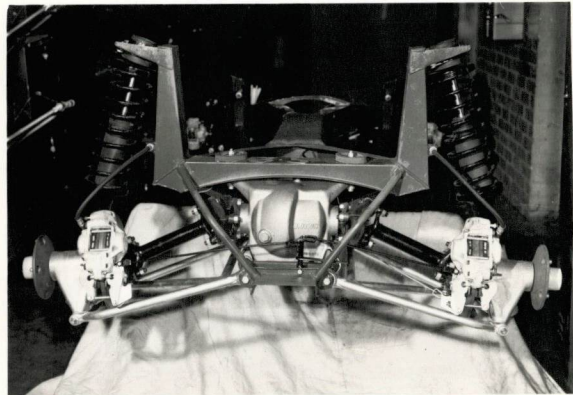
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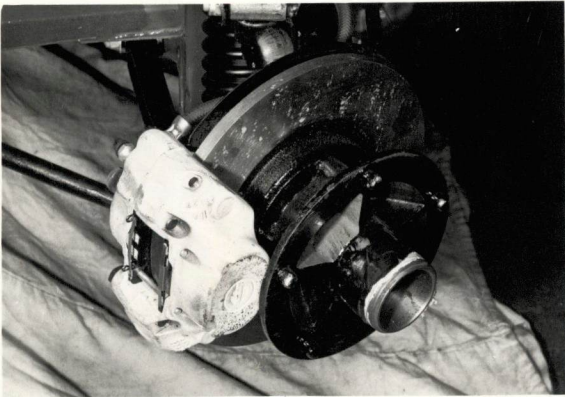
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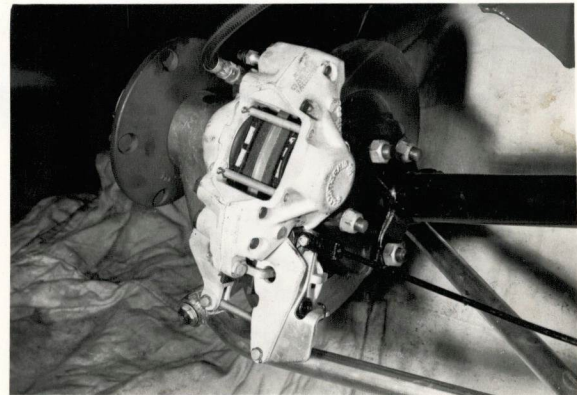
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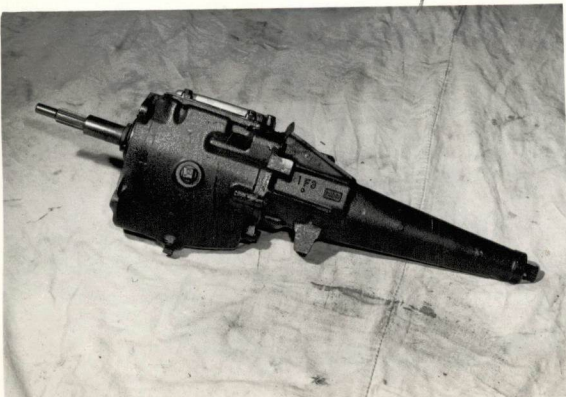
F



G



H



I

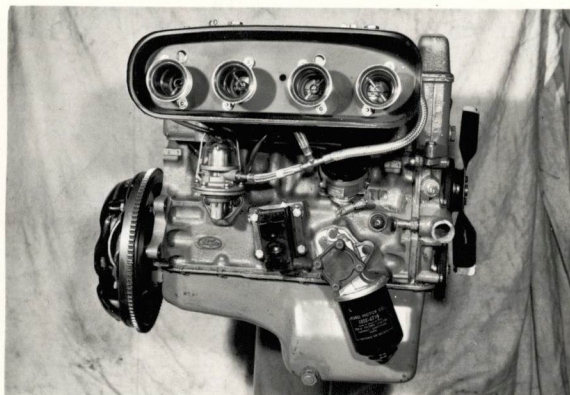


Make LOTUS

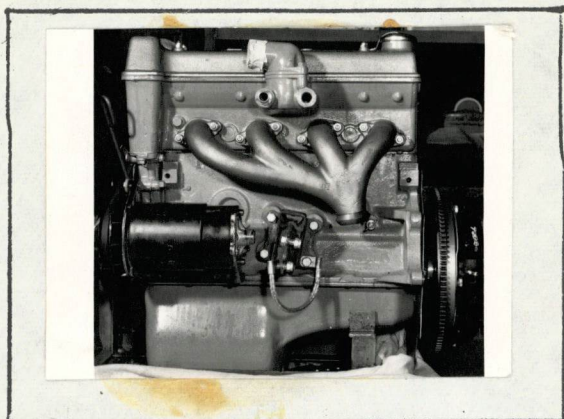
Model ELAN

F.I.A. Rec.no. 527

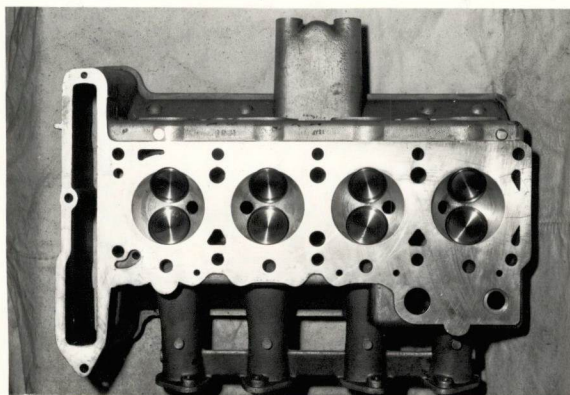
J



K



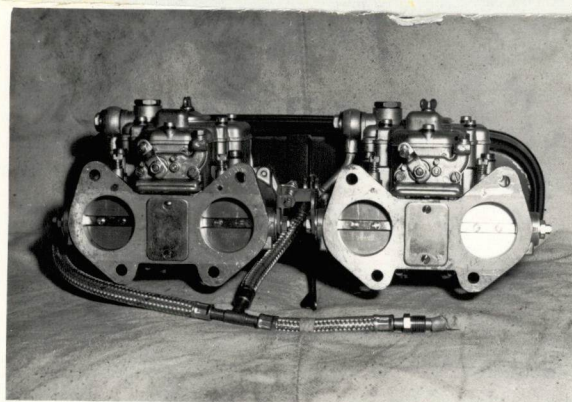
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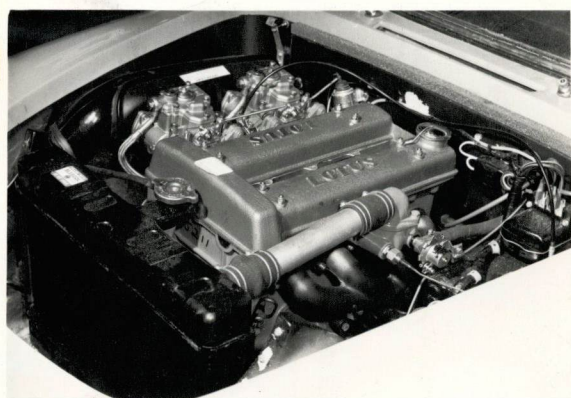
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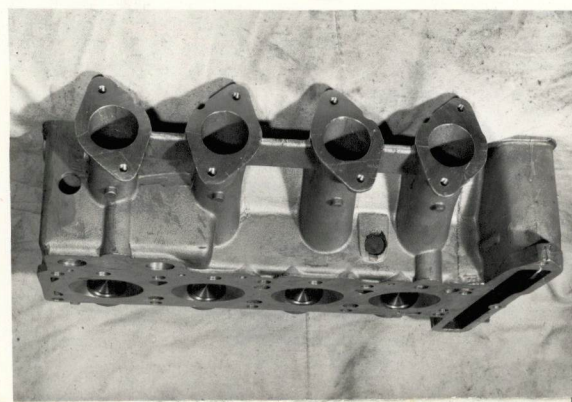
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O



P



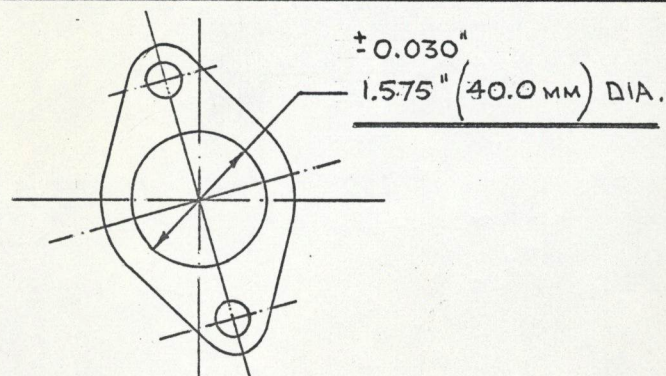
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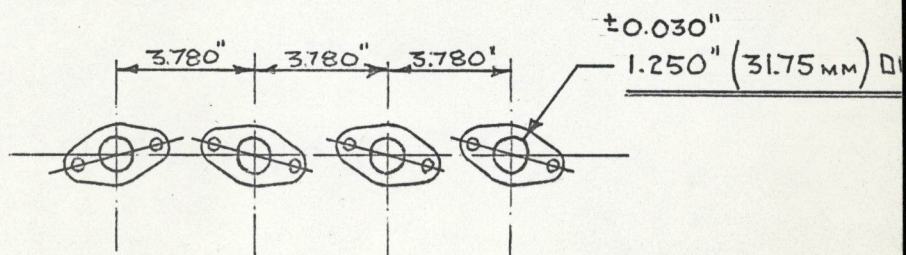
Drawing inlet manifold ports, side of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.

INTEGRAL WITH HEAD.

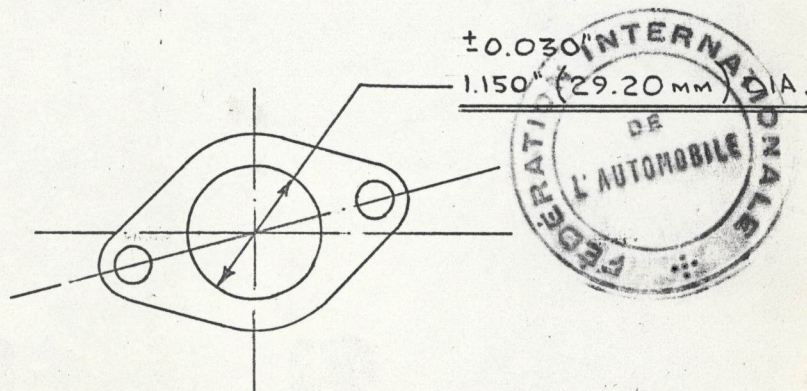
Drawing of entrance to inlet port of cylinder-head. Indicate scale or dimensions and manufacturing tolerance.



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.



Make

LOTUS

Model

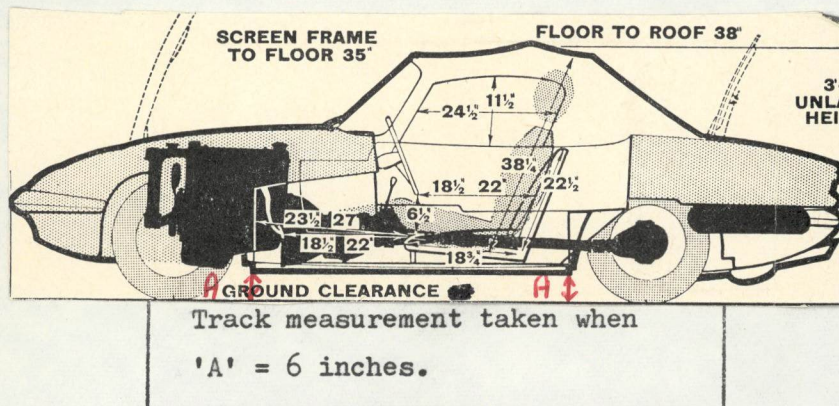
ELAN

F.I.A. Rec.no. 527

NOTE 1 All dimensions must be given in two measuring systems, see Note 3.

CAPACITIES AND DIMENSIONS

1.	Wheelbase	2134 $\pm$ 22	mm.	84 $\pm$.816	inches
2.	Front track		3.	Rear track	
1196 $\pm$ 25	mm.	47.3/32 $\pm$ 1.0	inches	1230 $\pm$ 25	mm.
				48.7/16 $\pm$ 1.0	inches



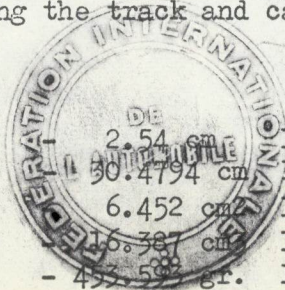
4.	Overall length of the car	3689.	cm.	145.25	inches
5.	Overall width of the car	1422.	cm.	56.	inches
6.	Overall height of the car	1143.	cm.	45.	inches
7.	Capacity of fuel tank (reserve included)				
		45 ltrs.	12.2	Gall.US	10 Gall.Imp.
8.	Seating Capacity.	TWO			
9.	Weight. total weight of the car with normal equipment, water, oil, and spare wheel but without fuel or repair tools:				
		680.7 kg.	1498	lbs.	13.4 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 cubin inch/pouce cube	16.387 cm ³	1 gallon US	-	3.785 ltrs
1 pound/livre (lb)	453.592 gr.	1 hundred weight(cwt)	-	50.802 kg



CHASSIS AND COACHWORK (Photographs A, B and C)

20. Chassis/body construction : separate / ~~unitary construction~~ NOT APPLICABLE

21. Unitary construction, material(s)

SEPARATE CONSTRUCTION - MATERIALS

22. Chassis	STEEL	23. Coachwork	GLASS FIBRE REINFORCED PLASTIC
24. Number of doors	TWO	Material(s)	GLASS FIBRE REINFORCED PLASTIC
25. Bonnet	GLASS FIBRE REINFORCED PLASTIC	26. Boot Lid	GLASS FIBRE REINFORCED PLASTIC
27. Rear Window	PERSPEX	28. Windscreen	LAMINATED GLASS
29. Front door windows	TOUGHENED GLASS	30. Rear door windows	-
31. Sliding system of door windows	HAND OPERATED VERTICAL SLIDE		
32. Material(s) of rear-quarter light	-		

ACCESSORIES AND UPHOLSTERY

38. Interior heating : ~~yes~~ - no 39. Air conditioning : ~~yes~~ - no

40. Ventillation : ~~yes~~ - no

41. Front seats, type of upholstery P.V.C.

42. Weight of front seat(s), complete with supports and rails, out of the car:

19 kg. 42 lbs.

43. Rear seats, type of upholstery -

44. Front bumper, material(s) PLASTIC Weight 1.59 kg. 3.5 lbs.

45. Rear bumper, material(s) PLASTIC Weight 1.93 kg. 4.25 lbs.

WHEELS

50. Type PRESSED STEEL

51. Weight (per wheel, without tyre) 5.4 kg. 12 lbs.

52. Method of attachment BOLT ON 4 STUD

53. Rim diameter 330 mm. 13.0 ins.

54. Rim width 114 mm. 4.5 ins.

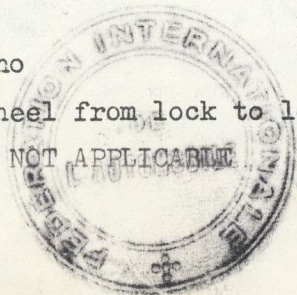
STEERING

60. Type RACK AND PINION

61. Servo-assistance : ~~yes~~ - no

62. Number of turns of steering wheel from lock to lock 2 1/2

63. In case of servo-assistance. NOT APPLICABLE



Make LOTUS

Model ELAN

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SUSPENSION

70. Front suspension (photograph D), type UNEQUAL DOUBLE WISHBONE
 71. Type of spring COIL
 72. Stabiliser (if fitted) TORSIONAL ANTI ROLL BAR
 73. Number of shock absorbers 2 74. Type TELESCOPIC HYDRAULIC
 78. Rear suspension (photograph E), type CHAPMAN STRUT
 79. Type of spring COIL
 80. Stabiliser (if fitted) NOT 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 NOT FITTED
 92. Number of hydraulic master cylinders ONE

	FRONT	REAR
93. Number of cylinders per wheel	TWO	TWO
94. Bore of wheel cylinder(s)	48.00 mm. 1.89 inches	33.78 mm. 1.33 inches

	NOT FITTED	NOT FITTED
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	mm. inches	mm. inches
99. Total area per brake	mm ² sq.in.	mm ² sq.in.

Disc Brakes

100. Outside diameter	241.775 mm. 9.125 inches	254 mm. 10 inches
101 Thickness of disc	9.5 mm. .375 inches	9.5 mm. .375 inches
102 Length of brake linings)	57.2 mm. 2.25 inches	47.6 mm. 1.875 inches
103 Width of brake linings) average	38.1 mm. 1.5 inches	38.1 mm. 1.5 inches
104 Number of pads per brake	TWO	TWO
105 Total area per brake pad lining	mm ² sq.in. 4358.6 6.75	mm ² sq.in. 3627.1 5.5



ENGINE (photographs J and K)

130. Cycle	FOUR STROKE	131. Number of cylinders	FOUR
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 23.75 cu.in.
136. Total cylinder capacity		1558.	cm ³ 95.2 cu.in.
137. Material(s) of cylinder block	CAST IRON		
138. Material(s) of sleeves (if fitted)	NONE		
139. Cylinder head, material(s)	ALUMINIUM ALLOY	Number fitted	ONE
140. Number of inlet ports	FOUR	141. Number of exhaust ports	FOUR
142. Compression ratio	9.8:1 $\pm$ 0.3		
143. Volume of one combustion chamber		44.4	cm ³ 2.71 cu.in.
144. Piston, material	ALUMINIUM ALLOY	145. Number of rings	3
146. Distance from gudgeon pin centre line to highest point of piston crown		40.44	mm. 1.595 in.
147. Crankshaft : moulded / Stamped		148. Type of crankshaft : integral / CAST WITH	BALANCE WEIGHTS
149. Number of crankshaft main bearings	FIVE		
150. Material of bearing cap	CAST IRON		
151. System of lubrication : dry sump / oil in sump			
152. Capacity, lubricant	3.977 ltrs. 7.00	pts. 4.2	Quarts U.S.
153. Oil cooler : yes / no		154. Method of engine cooling	WATER
155. Capacity of cooling system	7.9 ltrs. 14	pts. 8.38	quarts U.S.
156. Cooling fan (if fitted) dia.		27.75	cm. 10.92 in.
157. Number of blades of cooling fan	TWO		

Bearings

158. Crankshaft main, type	STEEL BACKED SHELL	Dia.	54	mm.	2.125	in.
159. Connecting rod, big end	STEEL BACKED SHELL	Dia.	49.205	mm.	1.937	in.

Weights

160. Flywheel (clean)		7.0	kg.	15.5	lbs.
161. Flywheel with clutch (all turning parts)		13.0	kg.	28.7	lbs.
162. Crankshaft	11.0 kg. 24.5 lbs.	163. Connecting rod	.551 kg.	1.0	lbs.
164. Piston with rings and pin		.517	kg.	1.16	lbs.



FOUR STROKE ENGINES

170. Number of camshafts THREE 171. Location TWO IN HEAD ONE IN BLOCK
 172. Type of camshaft drive CHAIN
 173. Type of valve operation OVERHEAD CAMSHAFTS AND TAPPETS
 INLET (see page 4)*
 180. Material(s) of inlet manifold ALUMINIUM ALLOY INTEGRAL WITH HEAD
 181. Diameter of valves 38.86 mm. 1.53 ins.
 182. Max. valve lift 9.54 mm. .372in. 183. Number of valve springs EIGHT
 184. Type of spring COIL 185. Number of valves per cylinder ONE
 186. Tappet clearance for checking timing (cold) 1.52 mm. .006 ins.
 187. Valves open at (with tolerance for tappet clearance indicated) 26° B.T.D.C.
 188. Valves close at (with tolerance for tappet clearance indicated) 66° A.B.D.C.
 189. Air filter, type DRY ELEMENT

EXHAUST (see page 4)

195. Material(s) of exhaust manifold CAST IRON
 196. Diameter of valves 33.66 mm. 1.325 ins.
 197. Max. valve lift 9.54 mm. .372in. 198. Number of valve springs EIGHT
 199. Type of spring COIL 200. Number of valves per cylinder ONE
 201. Tappet clearance for checking timing (cold) 1.77 mm. .007 ins.
 202. Valves open at (with tolerance for tappet clearance indicated) 66° B.B.D.C.
 203. Valves close at (with tolerance for tappet clearance indicated) 26° A.T.D.C.

CARBURETION (photograph N)

210. Number of carburettors fitted TWO 211. Type TWIN CHOKE HORIZONTAL
 212. Make WEBER 213. Model 40DCOE
 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~~
 33 mm. 1.30 ins.

INJECTION (if fitted)

220. Make of pump NOT FITTED 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.

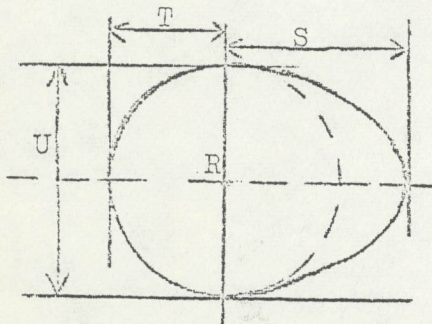
* For additional information concerning two-stroke engines and super-charged engines, see page 13.

ENGINE ACCESSORIES

230. Fuel pump : mechanical ~~and/or electric~~
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, number fitted ONE 237. Method of drive V BELT FROM CRANKSHAFT PULLEY
238. Voltage of generator 12 volts. 239. Battery, number ONE
240. Location BEHIND PASSENGER SEAT IN COCKPIT
241. Voltage of battery 12 volts

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

250. Max. engine output 105 (type of horsepower: BHP) at 5,500 rpm
251. Max. rpm 6,500 output at that figure 100 BHP
252. Max torque 108 LBS.FT. at 4,000 rpm
253. Max speed of the car NOT km/hour miles/hour
QUOTED
BY MANUFACTURER



R = centre of camshaft.

Inlet cam

S = 24.23	mm. 0.953	inches
T = 14.57	mm. 0.577	inches
U = 29.15	mm. 1.154	inches

Exhaust cam

S = 24.23	mm. 0.953	inches
T = 14.57	mm. 0.577	inches
U = 29.15	mm. 1.154	inches



Make

LOTUS

Model

ELAN

F.I.A. Rec.no.

527

DRIVE TRAIN

CLUTCH

260. Type of clutch DIAPHRAGM 261. No of plates ONE
262. Dia. of clutch plates 203.2 cm. 8.00 ins..
263. Dia. of linings, inside 146.05 cm. 5.75 ins.
outside 203.2 cm. 8.00 ins.
264. Method of operating clutch HYDRAULIC

GEAR BOX (photograph H)

270. Manual type, make FORD/LOTUS
271. No. of gear-box ratios forward 4 272. Synchronized forward ratios 4
273. Location of gear-shift CENTRAL ON TRANSMISSION TUNNEL
274. Automatic, make - 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	2.51	17/32					2.972	17 x 32
2	1.636	22/27					2.010	22 x 28
3	1.23	26/24					1.397	26 x 23
4	1.00	28/21					1.000	30 x 19
5								
6								
re-verse	3.467	40/19					3.324	40 x 22 x 19

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

FINAL DRIVE

290. Type of final drive HYPOID BEVEL
291. Type of differential BEVEL GEAR
292. Type of limited slip differential (if fitted) NOT FITTED
293. Final drive ratio 3.90:1
Number of teeth 10/39



Make

LOTUS

Model

ELAN

F.I.A. Rec.No.

527

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, 202, 203, 212, 213, 215, 216, 222, 225, 230, 250, 251, 252, 253, and photographs 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.

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

on...1/2...1966 rec.no. 527.71K List No. 2 on.....19.. rec.no.....List.....
 on...15 July 1966 rec.no. 527.71K List.....on.....19.. rec.no.....List.....
 on...15 July 1966 rec.no. 527.71K 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 preceeding information. This to be stated together with reference number.

1. ALTERNATIVE CROWN WHEEL AND PINIONS.

Ratio	No. of teeth	Ref.No.
4.43:1	9/40	26-R-4.4
4.12:1	9/37	26-R-4.1
3.77:1	9/34	26-R-3.7
4.7:1	7/33	26-R-4.7
3.55:1	9/32	26-R-3.5

2. HARD TOP

Ref. No. 26-B-730A

PHOTO 'A'





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

Manufacturer Lotus Cars Limited

Model Lotus Elan

F.I.A. Recognition No. 527

Amendment No. 8

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

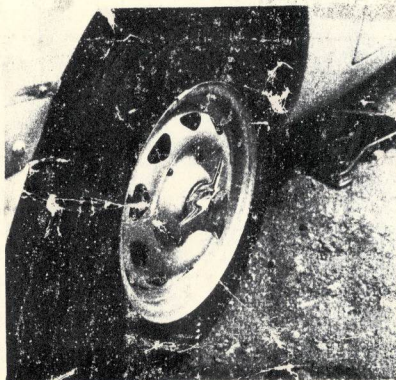
Reference No.

EVOLUTION - GROUP 3

1.

..

'Continental' knock on wheels.



Robert F. ...



Date amendment is valid from

1st July 1965

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 LIMITED
Model . ELAN
F.I.A. Recognition No. 527 6/0
Amendment No. 1

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.
	<u>Corrections to original forms - Group 3 Grand Touring</u>
Page 1.	Model - ELAN CONVERTIBLE (2 seater)
Page 6.	Item 27 - Rear Window - Amend to PLASTIC
	Item 52 - Method of attachment - Amend to KNOCK-ON
Options 1.	INTERIOR - HEATING SYSTEM
2.	DASHBOARD MOUNTED RADIO
	UNCONVENTIONAL KNOCK ON WHEEL NUTS
4.	Available in RIGHT AND LEFT HAND DRIVE Versions



Date amendment is valid from 1st May 66





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

Manufacturer..... LOTUS CARS LIMITED
Model..... ELAN CONVERTIBLE (2 seater)
F.I.A. Recognition No. 527 *6/v*
Amendment No. 2

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

Page 2.

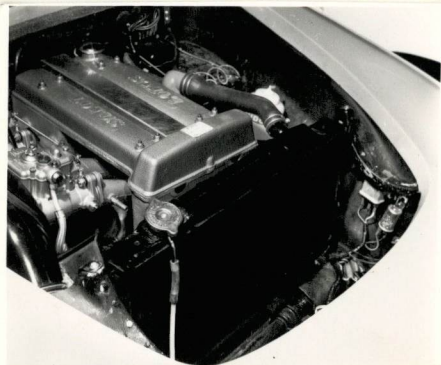
~~Production Changes~~ - Group 3 Grand Touring

Photo I Evolution Change



Page 3.

Photo O Evolution Change

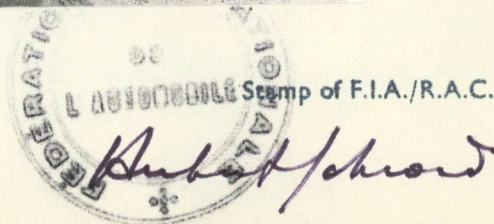


Page 3.

Photo Q Evolution Change



Date amendment is valid from *1st July 66*





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

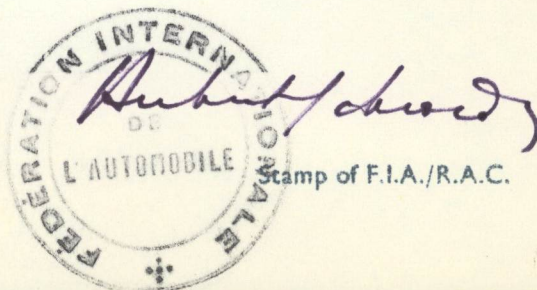
Manufacturer LOTUS CARS LIMITED
Model ELAN CONVERTIBLE (2 seater)
F.I.A. Recognition No. 527 *13/0*
Amendment No. 3

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.	Reference No.
	<u>Additional Optional Equipment - Group 3 - Grand Touring</u>
1.	28J714 Servo - Assisted Brakes - Vacuum
2.	511882 Steering Lock - Integral with Steering Coluum

Date amendment is valid from 1st July 66



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 . ELAN (2 Seater)

F.I.A. Recognition No. 527

Amendment No. 4

C/V

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

VARIANT TO STANDARD PRODUCTION

As from Chassis No. 45/5701 all Elan Convertibles are fitted with the undershown body style.

1.

Photo. A



2.

Photo. B



Date amendment is valid from 1st August 1966.

List 14/7

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 ELAN (2 Seater)

F.I.A. Recognition No. 527

Amendment No. 5

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

ALTERNATIVE BODY STYLE

As from Chassis No. 36/4510 the undershown body style is available in both Right and Left Hand drive versions.

1. Model - Elan Coupé

2. Photo. A



3. Photo. B



Date amendment is valid from 1st August 66

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 ELAN (2 Seater)

F.I.A. Recognition No. 527

Amendment No. 6

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

ALTERNATIVE BODY STYLE - COUPE

1.

9 - Weight

kg.

lbs.

cwt.

693.3

1527

13.6

2.

27 - Rear window - TOUGHENED GLASS

Date amendment is valid from 1st August 66





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

Manufacturer Lotus Cars Ltd.

Model Elan (2 Seater)

F.I.A. Recognition No. 527

Amendment No. 10 6/2E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

VARIANT TO STANDARD PRODUCTION

As from Chassis No. 36/7895 Coupe and 45/7896 Convertible
all Elans are fitted with the undershown body style

1.

PHOTO A



2.

PHOTO B



Date amendment is valid from

1st Nov. 1968
Aut 68/10

[Signature]
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: ELAN (2 Seater)

F.I.A. Recognition No. 527

Amendment No. 7

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

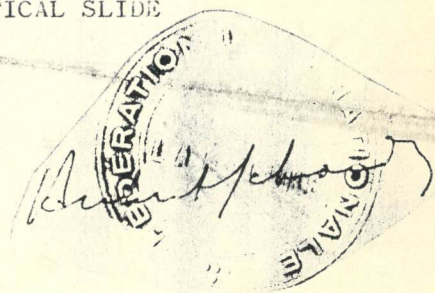
VARIANT TO STANDARD PRODUCTION

1. 9 - As from Chassis No. 45/5701 (Convertible) the weight is:

kg.	lbs.	cwt.
686.9	1513	13.5

2. 31 - As from Chassis No. 36/4510 (Coupe) and 45/5701 (Convertible)
the undernoted amendment is common to all models:

Sliding system for door windows - ELECTRICALLY OPERATED
VERTICAL SLIDE



Date amendment is valid from 15 May 66

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 Elan (2 Seater)

F.I.A. Recognition No. 527

Amendment No. 11 7/3E

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

VARIANT TO STANDARD PRODUCTION.

As from chassis No. 36/7895 coupe and 45/7896 convertible all Elans have revised interior as shown.



Date amendment is valid from 1st Nov. 1968
List 68/110

Signature

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.....ELAN (2 Seater)

F.I.A. Recognition No.527 *D/V*

Amendment No.*9*

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

VARIANT TO STANDARD PRODUCTION

GROUP 3

1.

240 - Location of battery

With effect from Chassis No. 36/4510 (Coupe) and
45/5701 (Convertible) the battery is located in
the boot area.

ADDITIONAL OPTIONAL EQUIPMENT

2.

292 - Type of limited slip differential

With effect from Chassis No. 36/4510 (Coupe) and
45/5701 (Convertible) a Salisbury Powerlock unit
has been available.

Date amendment is valid from

1st Nov. 1966
List 15/1

Hubert / Christ





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

Manufacturer.....LOTUS CARS LTD.

Model.....ELAN (2 Seater)

F.I.A. Recognition No.527 *D/V*

Amendment No.*9*

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

VARIANT TO STANDARD PRODUCTION

GROUP 3

1.

240 - Location of battery

With effect from Chassis No. 36/4510 (Coupe) and
45/5701 (Convertible) the battery is located in
the boot area.

ADDITIONAL OPTIONAL EQUIPMENT

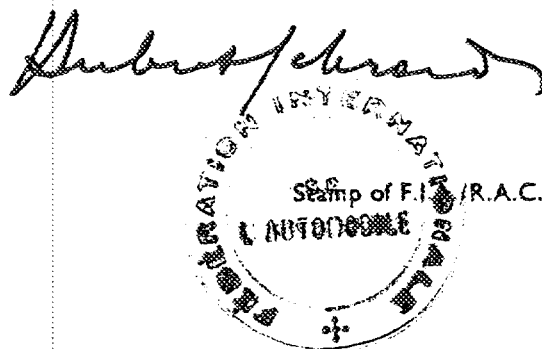
2.

292 - Type of limited slip differential

With effect from Chassis No. 36/4510 (Coupe) and
45/5701 (Convertible) a Salisbury Powerlock unit
has been available.

Date amendment is valid from

1st Nov. 1966
List 15/1



RAC MSA Recognition No. 1114

Valid From 120793



FIA No.: 527

Ext No.: 8/6V

Motor Sports House, Riverside Park, Colnbrook, Slough SL3 0HG

SAFETY ROLL BAR CERTIFICATE

BLOCK CAPITALS

Manufacturer SAFETY DEVICES Roll bar model No/Designation E01X
Address 30 REGAL DRIVE, SOHAM, CAMBS CB7 5BE

Car/s for which roll bar is designed:

Make/s LOTUS
Model/s ELAN
F.I.A. Homologation No/s
Weight of Car/s lbs. kgs. lbs. kgs. lbs. kgs.

ROLL BAR SPECIFICATION

Main tube Dia. 1.5 ins. 38 mm. Brace/s Dia. 1.5 ins. 38 mm.
Thickness .064 ins. 1.6 mm. Thickness .064 ins. 1.6 mm.
Type of welding MIG Weight of total assembly 38 lbs 17 kgs
Type of material STEEL Material Specification BS632314 CFS 3BK
Type of mounting BOLTED INTO VEHICLE

DECLARATION BY DESIGNER for Roll Bars not complying with F.I.A. design details

I declare the the roll bar described has been *

- (a) ~~tested under my personal supervision~~
- (b) ~~shown by my own stress calculations~~
- or (c) ~~shown by stress calculations carried out under my personal supervision~~

to meet the strength requirements specified in current F.I.A. regulations. In addition, I declare that all details of the roll bar design including joints, mountings and attachments are also in conformity with these regulations.

*Delete as appropriate

Date 8.7.93 Signature J. Jowitt Name JOWITT

Professional Qualifications ~~Engineering~~ ~~Cert~~ ~~FRAES~~ ~~FIEE~~ ~~FIOA~~ ~~MIMC~~ ~~MSAE~~

Acceptable signatories must be a Corporate Member of the Royal Aeronautical Society or the Institution of Civil, Mechanical or Structural Engineers.

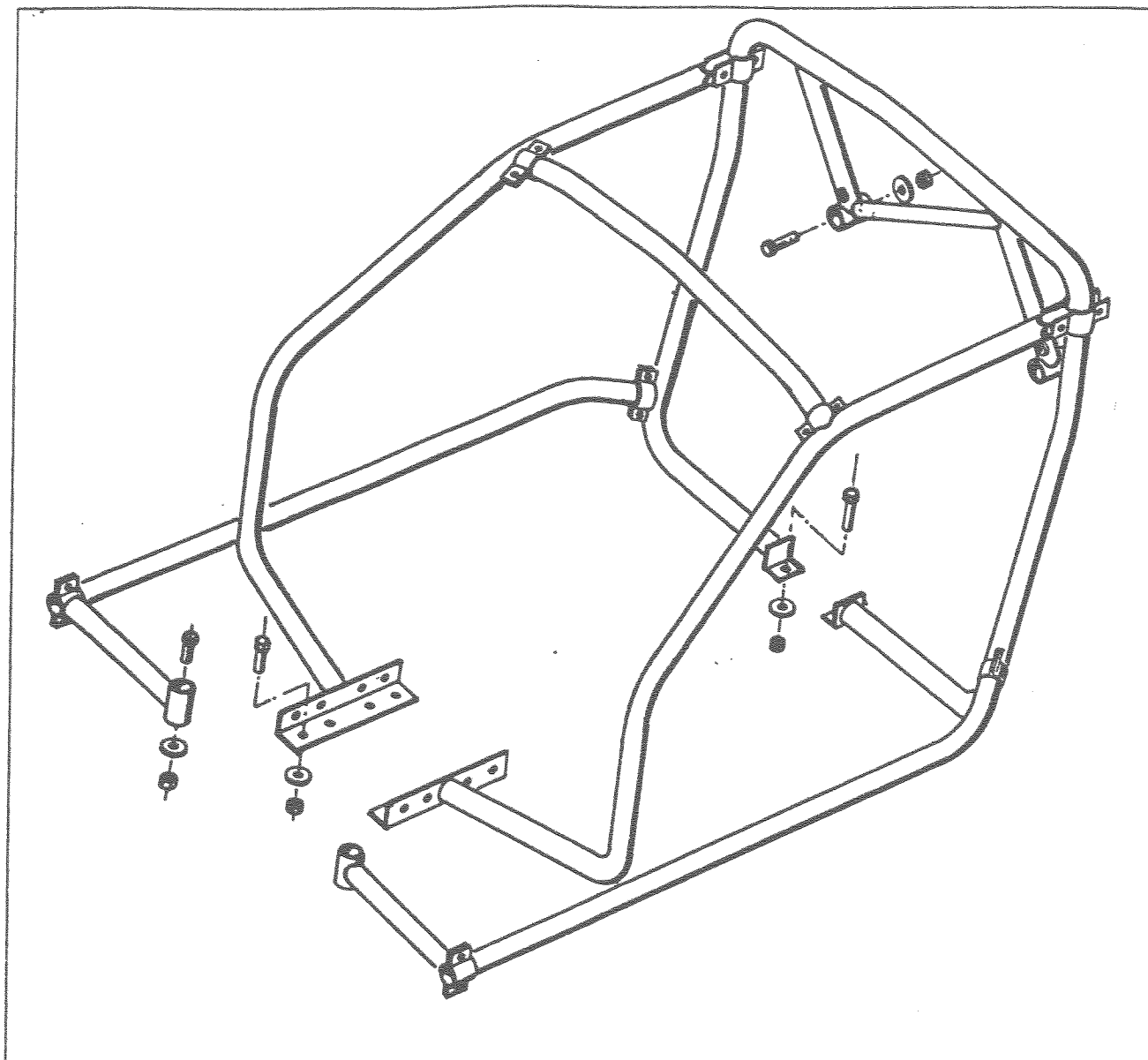
DECLARATION BY MANUFACTURER

I declare that the roll bar described is in conformity with the F.I.A. regulations as to design.

Date 29.6.93 Signature F. J. Young Name F J YOUNG
Status PRODUCTION ENGINEER

THIS CERTIFICATE BECOMES INVALID IF THE ROLL BAR STRUCTURE
IS MODIFIED IN ANY WAY FROM THE DESIGN OVERLEAF

NOT VALID UNLESS PERFORATED WITH RAC MSA SEAL



Drawing of roll-bar to include detailed drawings of all joints and mountings. Tube dia and wall thickness must be specified.

PHOTOGRAPHS

(Signed)

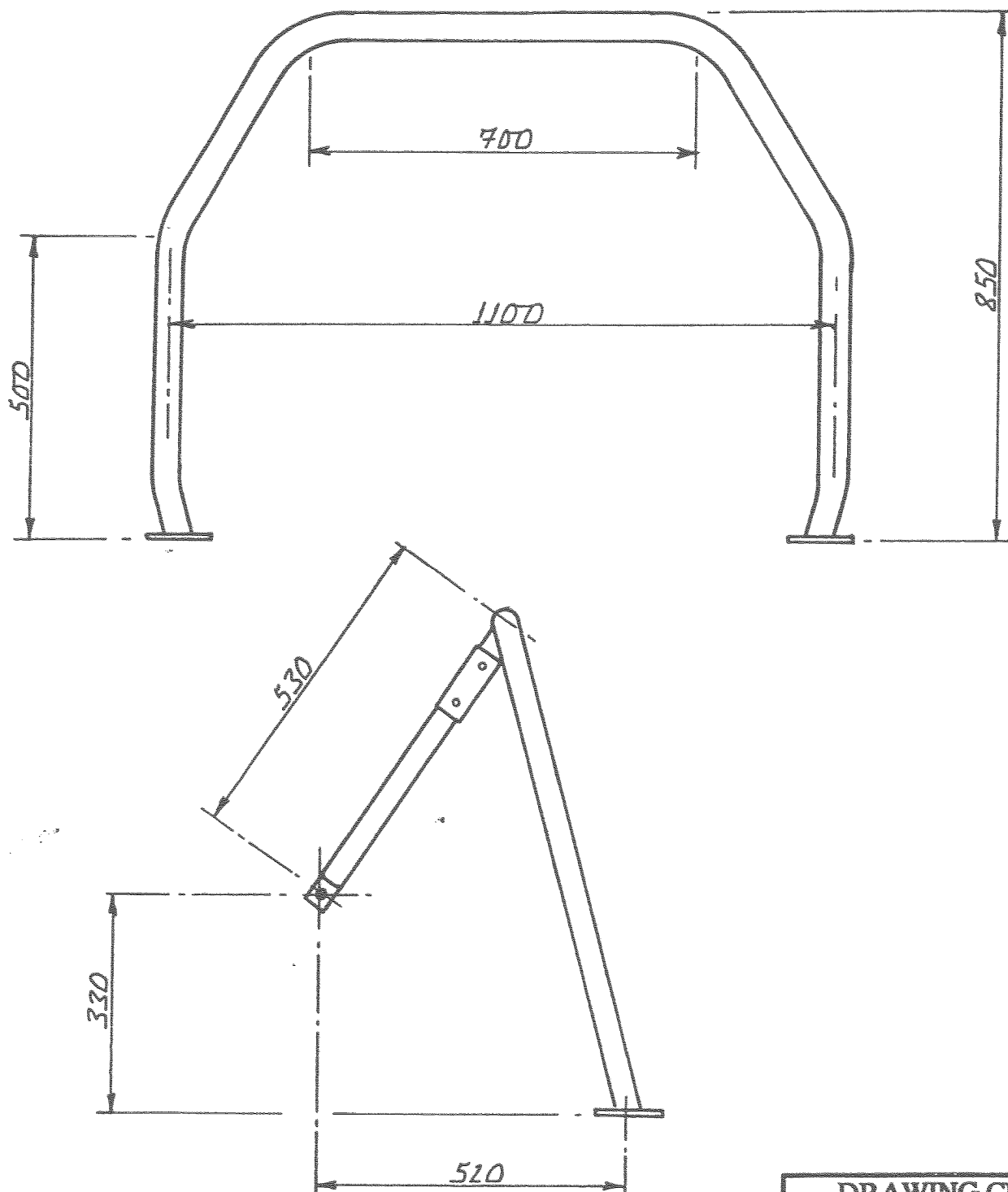
RAC MSA GROUP 1 SCRUTINEER

(Countersigned)

RAC MSA Ltd

THE RAC MSA ACCEPT THAT THIS DOCUMENT HAS BEEN COMPLETED IN ACCORDANCE WITH THE REGULATIONS.

VEHICLE <i>MASERATI</i>	MODEL <i>62</i>	PART NUMBER <i>111</i>
HOOP & BACKSTAY DIMENSIONS		SHEET <i>1</i> OF <i>1</i>



DRAWING CHANGES		

MATERIAL		FINISH	
DRAWN <i>R Hale</i>	DATE <i>2/6/93</i>	ISSUE <i>1</i>	PART NO.
Safety Devices			DRG. NO.

RAC MSA Recognition No. 0739

Valid From 220389



FIA no: 527

Ext no: 917J

Motor Sports House, Riverside Park, Colnbrook, Slough SL3 0HG

SAFETY ROLL BAR CERTIFICATE

BLOCK CAPITALS

Manufacturer SAFETY DEVICES (ENGINEERING) LTD. Roll bar model No/Designation E1

Address 176, EXNING ROAD, NEWMARKET, SUFFOLK, CB8 0AF. ENGLAND

Car/s for which roll bar is designed:

Make/s LOTUS

Model/s ELAN

F.I.A. Homologation No/s

Weight of Car/s 1543 lbs.

700 kgs.

ROLL BAR SPECIFICATION

Main tube Dia. 1 1/2 ins. 38 mm. Brace/s Dia. 1 1/2 ins. 38 mm.

Thickness 0.064 ins. 1.62 mm. Thickness 0.064 ins. 1.62 mm.

Type of welding M.I.G. Weight of total assembly 38.5 lbs 17.5 kgs

Type of material STEEL Material Specification CDS 2 BS 6323

Type of mounting TO CHASSIS FRAME

DECLARATION BY DESIGNER for Roll Bars not complying with F.I.A. design details.

I declare the the roll bar described has been *

(a) ~~tested under my personal supervision~~

(b) ~~shown by my own stress calculations~~

or (c) ~~shown by stress calculations carried out under my personal supervision~~

to meet the strength requirements specified in current F.I.A. regulations. In addition, I declare that all details of the roll bar design including joints, mountings and attachments are also in conformity with these regulations.

*Delete as appropriate

Date 20.3.89 Signature P.F. GOWITT Name P.F. GOWITT

Professional Qualifications C.ENG., F.R.Ae.S., F.I.Prod.E., F.I.Q.A., M.I Mech.E.

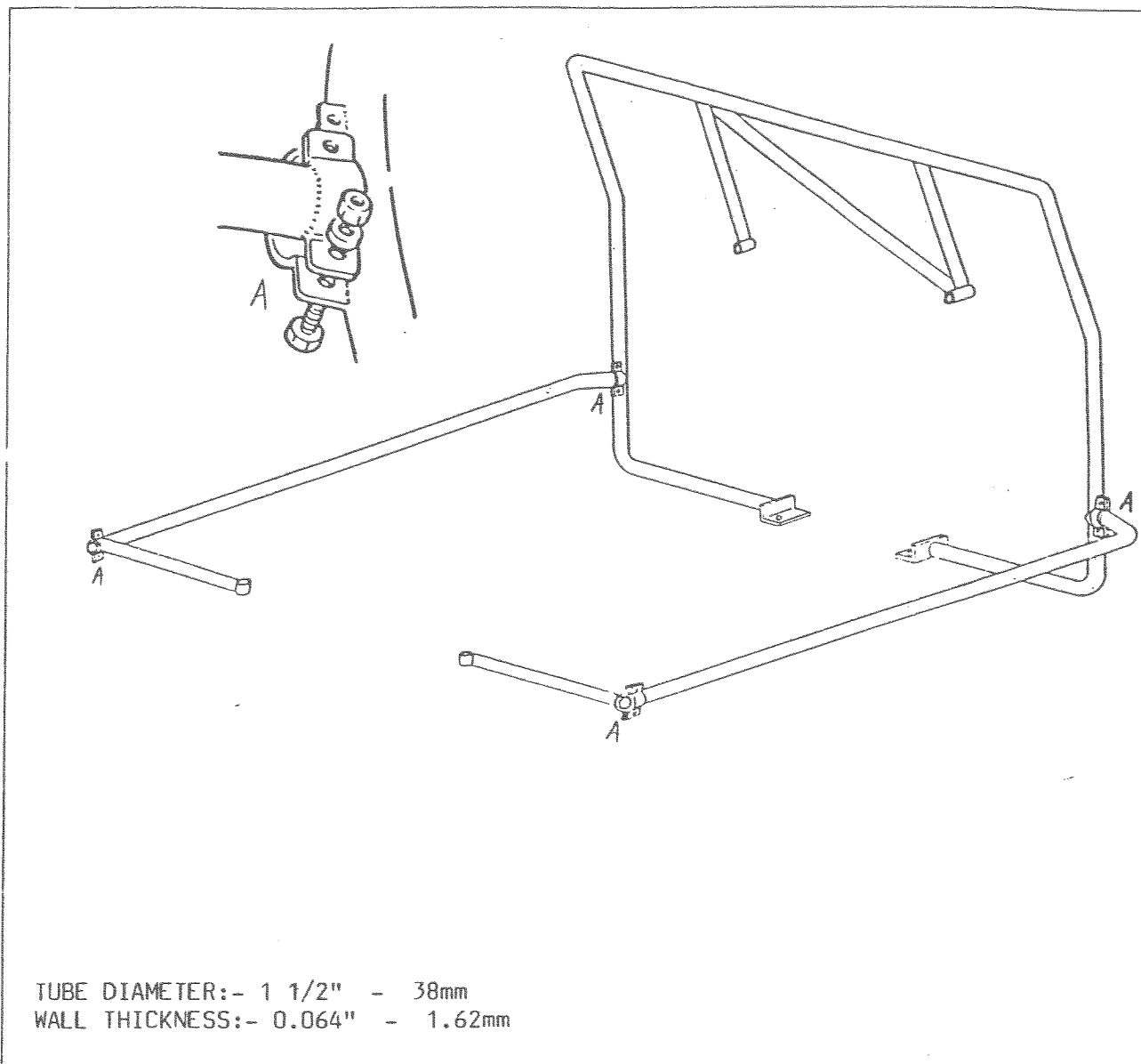
Acceptable signatories must be a Corporate Member of the Royal Aeronautical Society or the Institution of Civil, Mechanical or Structural Engineers.

DECLARATION BY MANUFACTURER

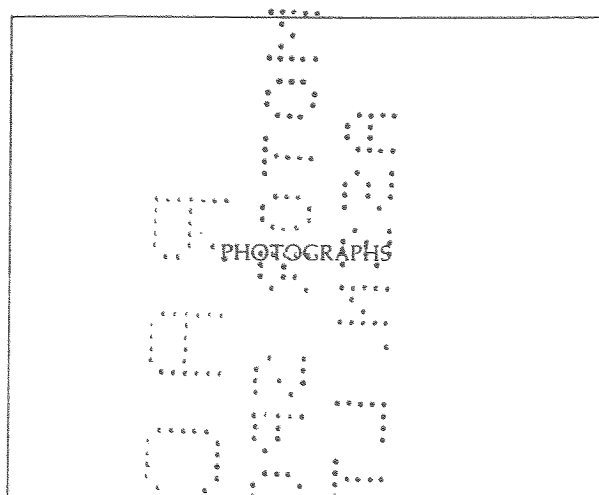
I declare that the roll bar described is in conformity with the F.I.A. regulations as to design.

Date 15th MARCH 1989 Signature P.H. GILBERT Name P.H. GILBERT

Status PRODUCTION MANAGER.



Drawing of roll-bar including details of joints, mountings, and tube dia and wall thickness

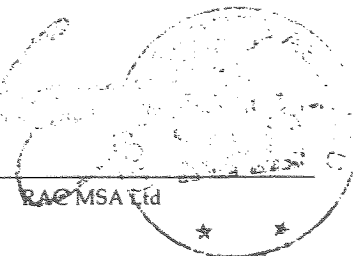


(Signed)

RAC MSA GROUP 1 SCRUTINEER

(Countersigned)

RAC MSA Ltd





FEDERATION INTERNATIONALE
DE L'AUTOMOBILE

Homologation N°

527

Groupe

Group

~~A/B/N~~

GT

Extension N°

FICHE D'EXTENSION D'HOMOLOGATION POUR ARMATURE DE SECURITE
FORM OF HOMOLOGATION EXTENSION FOR SAFETY CAGE

☒ VO Variante option / Option variant

Véhicule : Constructeur
Vehicle : Manufacturer LOTUS

Modèle et type
Model and type ELAN S3

Homologation valable à partir du
Homologation valid as from 01/01/2000

	Arceau principal Main rollbar	Entretoise longitudinale Longitudinal strut	Entretoise diagonale Diagonal strut	Arceau avant Front rollbar
Matériau Material	Fe 45.2	Fe 45.2	Fe 45.2	Fe 45.2
Diamètre extérieur Exterior diameter	50 mm	40 mm	40 mm	40 mm
Épaisseur de paroi Wall thickness	2 mm	2 mm	2 mm	2 mm
Limite élastique Elastic limit	300 N/mm ²	300 N/mm ²	300 N/mm ²	300 N/mm ²
Résistance à la traction Tensile strength	450 N/mm ²	450 N/mm ²	450 N/mm ²	450 N/mm ²

Fabricant de l'armature
Structure manufacturer SASSA ROLL-BAR S.R.L.

Poids total y compris les fixations
Total weight including fixations 40 kg

Arceau soudé
Welded rollbar

☐ oui yes	☒ non no
-------------------------------------	---

Armature complète hors de la voiture
Complete structure outside the car

(Indiquer par une flèche la position de la plaque d'identification)
(Indicate the position of the identification plate with an arrow)



Fédération Internationale de l'Automobile
2 chemin de Blondonnet
CH-1215 GENEVE 15

Tél. 41 22 544 44 00
Fax Sport 41 22 544 44 50

Nous attestons que la présente armature de sécurité répond aux dispositions de l'Annexe J de la FIA, en particulier en ce qui concerne ses implantations, ses connexions, et ses résistances aux contraintes.

We certify that the present safety structure complies with the conditions of the FIA Appendix J, in particular with regard to its attachments, its connections, and its stress resistances.

Nom et signature du représentant du constructeur du véhicule
ou nom et signature du fabricant de l'arceau muni d'une contre
signature de l'ASN dont dépend le constructeur de l'arceau
Name and signature of the car manufacturer representative
or name and signature of the rollbar manufacturer with a
counter-signature of the manufacturer's ASN

SASSA ROLL-BAR S.R.L.

93040 SAN MARTINO D'ASCOLO P.
Via Roma 10 - Tel. 0736/402228
Fax 0736/402228

SASSA ROLL-BAR S.R.L.
DELEGATED SIGNATURE

(Signature)
[Signature]

Marque
Make

Modèle
Model

Homologation No

Extension No

PHOTO No 1

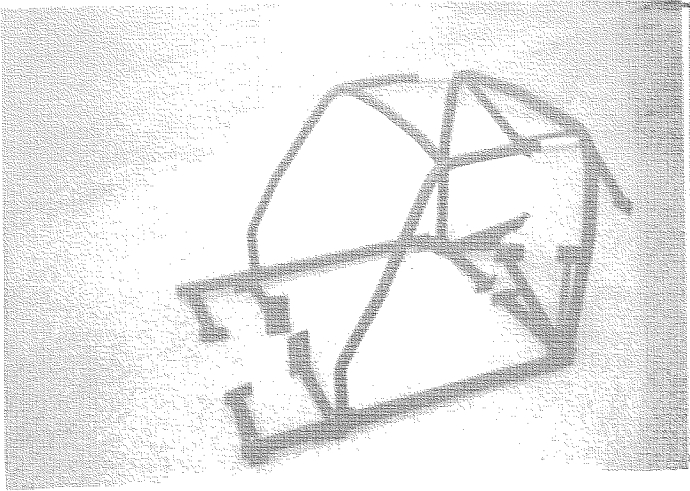


PHOTO No 2

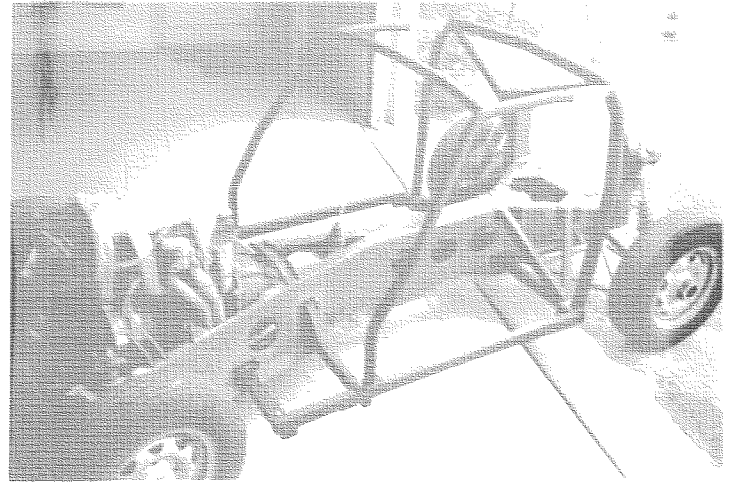


PHOTO No 3

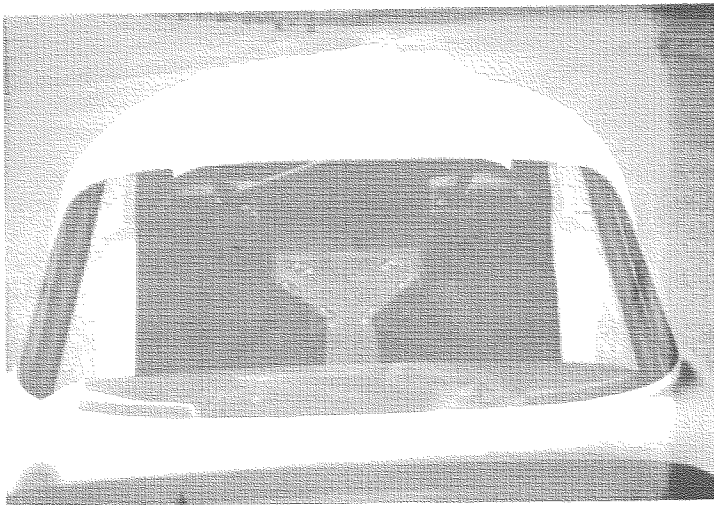


PHOTO No 4

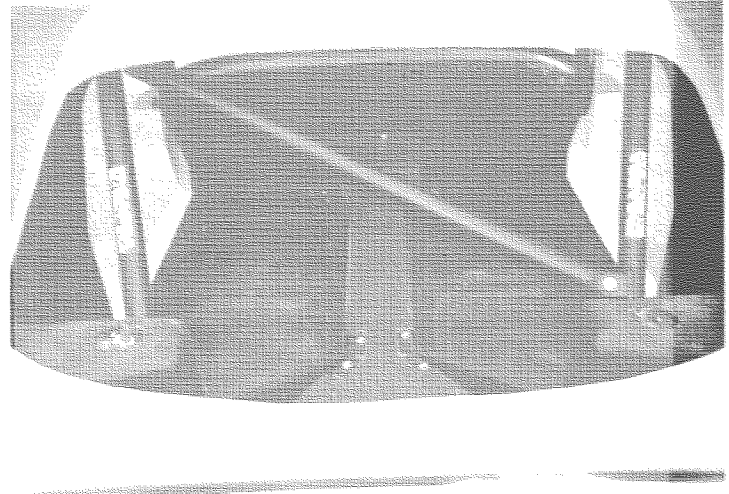
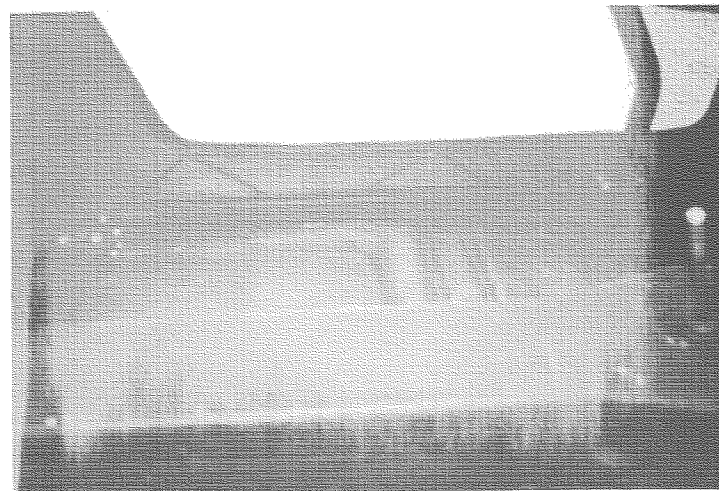


PHOTO No 5



PHOTO No 6



Marque
Marque

Modèle
Modèle

Homologation No.

Extension No.

PHOTO No 7



PHOTO No 8

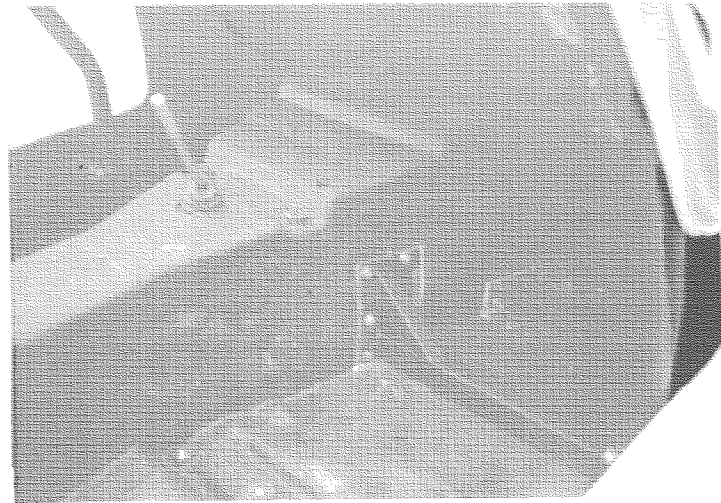


PHOTO No 9

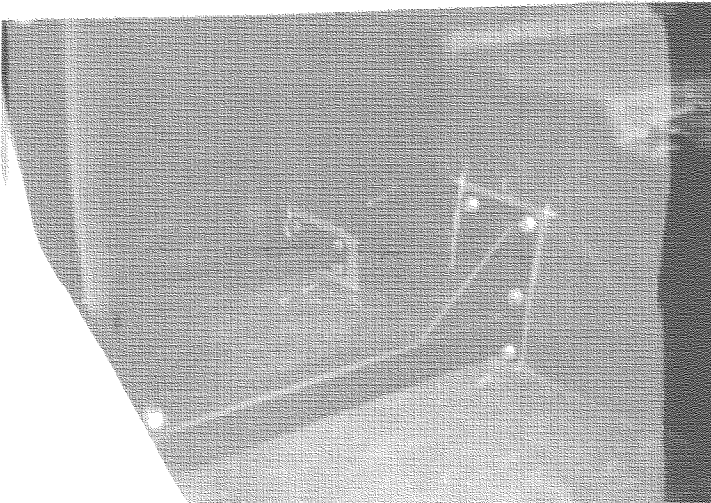


PHOTO No 10

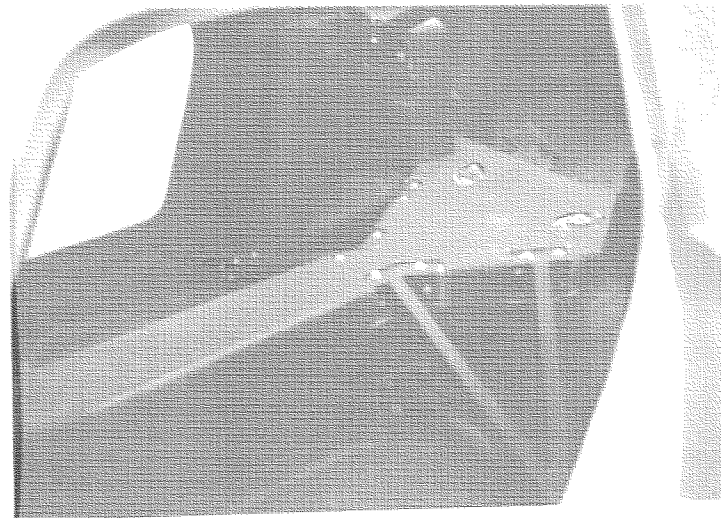
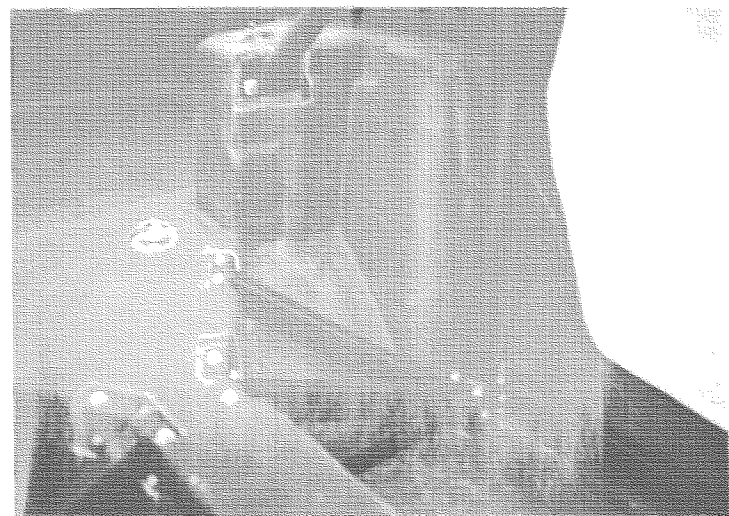


PHOTO No 11



PHOTO No 12



R.A.C. Recognition No. 10

Valid From 1.6.72



ROYAL AUTOMOBILE CLUB
31 Belgrave Square, London, SW1X 8QH
SAFETY ROLL BAR CERTIFICATE

Manufacturer Aleybars Limited Roll bar model No/Designation 032/M

Car/s for which roll bar is designed:

Make/s Lotus

Model/s Elan

F.I.A. Homologation No/s 3027

Weight of Car/s 1540 lbs. 698.5 kgs.

ROLL BAR SPECIFICATION

Main tube Dia. 1.5 ins. 38 mm. Brace/s Dia. 1.5 ins. 38 mm.

Thickness 0.1 ins. 2.6 mm. Thickness 0.1 ins. 2.6 mm.

Type of welding Argon Arc Weight of total assembly 30 lbs. 13.6 kgs.

Material Specification CDS 3

DECLARATION BY DESIGNER for Roll Bars not complying with F.I.A. design details

*I declare that the roll bar described has been **

(a) tested under my personal supervision

(b) shown by my own stress calculations

or (c) shown by stress calculations carried out under my personal supervision

to meet the strength requirements specified in current F.I.A. regulations. In addition, I declare that all details of the roll bar design including joints, mountings and attachments are also in conformity with these regulations.

* Delete as appropriate

Date..... Signature..... Name.....

Professional Qualifications

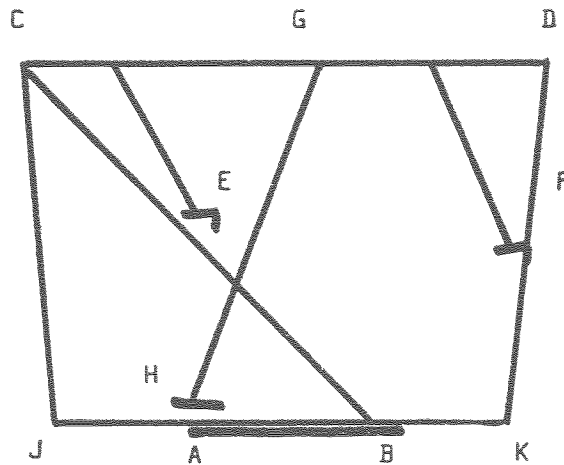
Acceptable signatories must be a Corporate Member of the Royal Aeronautical Society or the Institution of Civil, Mechanical or Structural Engineers.

DECLARATION BY MANUFACTURER

I declare that the roll bar described is in conformity with the F.I.A. regulations as to design.

Date 15 May 1972 Signature J.R. Aley Name J.R. Aley

Status Director - Aleybars Limited

NOTES.

Diagonal strut may be fitted B/C or A/D for right or left hand drive cars
 " " may be omitted when car is not used for circuit racing

No joints

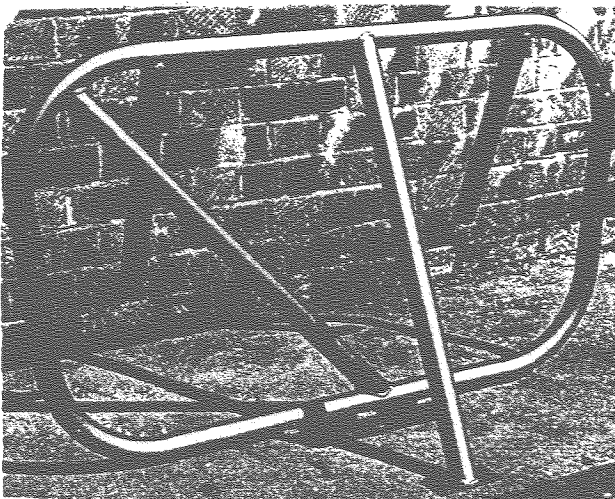
Main mounting plate to backbone chassis secured by 6 bolts

Backstays (C/E & D/F) mount on to suspension carriers by 1 bolt at each side.

Front stay (G/H) mounts on to centre chassis at point H by 2 bolts

Overall width at J/K 39½" (100.3 cm.)

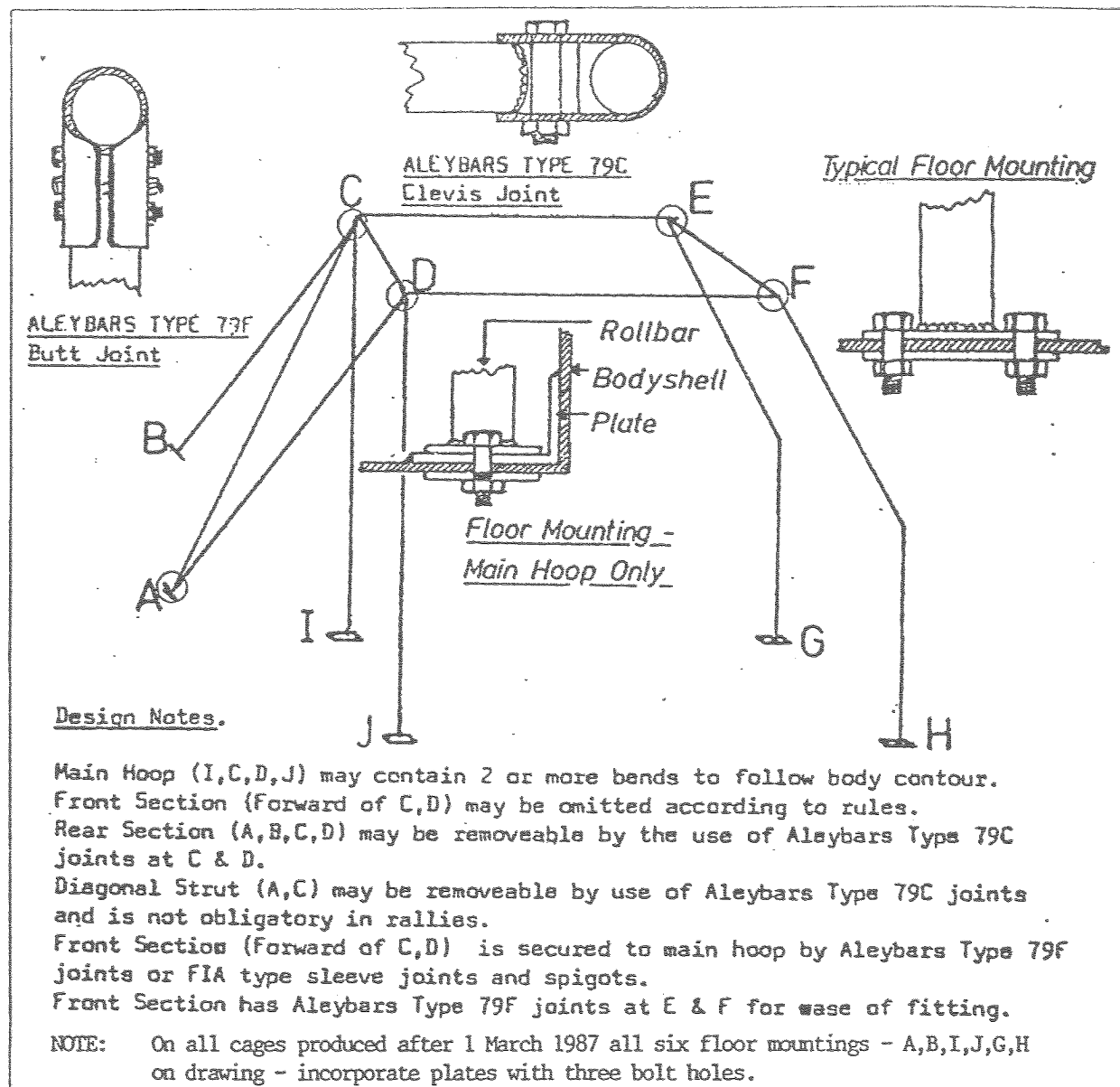
Drawing of roll-bar including details of joints and mountings.



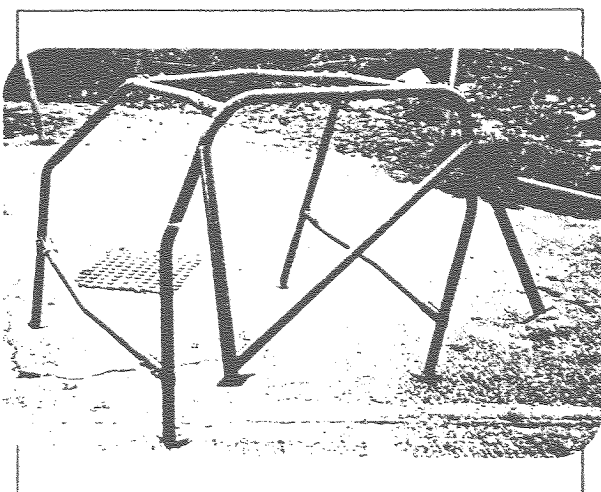
(Signed) *M. J. P. C. Eng. A.E.R. A.S.*
 R.A.C. GROUP 1 SCRUTINEER

(Countersigned)





Drawing of roll-bar including details of joints and mountings.



(Signed)

R.A.C. GROUP 1 SCRUTINEER

(Countersigned)

ROYAL AUTOMOBILE CLUB

DMSB

Deutscher Motor Sport Bund e.V.



Hahnstraße 70 · 60528 Frankfurt am Main · Tel. 069/6330070 · Fax 069/63300730

DMSB-ZERTIFIKAT

für Überrollvorrichtung
for roll over device
pour armature de sécurité

DMSB-Prüfbericht Nr.: 2-473/67-S
DMSB-Testreport No.:
DMSB-Rapport d'examen no:

Seriennummer:
Serial number:
Numéro de série:

Hersteller der Vorrichtung:
Structure manufacturer:
Constructeur de l'armature:

Wiechers GmbH, Südring 4, 31582 Nienburg/W.
Telefon 05021 601360 Telefax 05021 12481

Typ:
Type:

Gesamtgewicht inkl. Befestigungsvorrichtungen: 25,5 kg
Total weight including fixations:
Poids total fixations comprises:

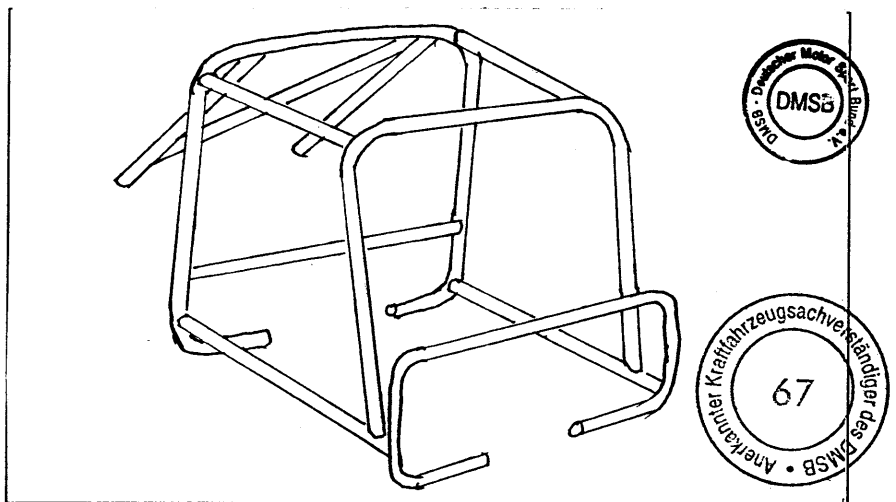
Verwendung in Fahrzeugen
Application in cars
Utilisation dans les véhicules

Fabrikat: Lotus
Make:
Marque:

Typ: Elan
Type:

Gruppe: alle DMSB-Gruppen
Group: und Anhang K
Groupe: all DMSB-groups
and appendix K

Komplette Vorrichtung
ausgebaut
Complete structure outside
the car
Armature complète en dehors de la voiture



Hiermit wird bestätigt, dass die beschriebene Überrollvorrichtung den Anforderungen des Internationalen Automobil-Sportgesetzes der FIA entspricht, insbesondere in Bezug auf ihre Befestigungen, Verbindungen und Beanspruchungswerte.

We certify that the present safety structure complies with the conditions international sporting code of the FIA in particular with regard to its attachments, its connections, and its stress resistance.

Nous confirmons que l'armature de sécurité décrite répond aux exigences de la FIA, en particulier en ce qui concerne ses fixations, connexions et valeurs de résistance.

Frankfurt/Main, den 27.02.2004
Frankfurt/Main, le

D. Fürst
Unterschrift (DMSB)
Signature (DMSB)



Südring 4
31582 Nienburg
Tel. 05021 601360
Fax 05021 12481
Unterschrift (Hersteller)
Signature (Constructeur)
Signature (Constructeur)

1.	Hauptbügel Main rollbar Arceau Principal	Längsstrebe Longitudinal strut Entretoise longitudinale	Diagonalstrebe Diagonal strut Entretoise diagonale	Vordebügel Front rollbar Arceau avant
Material: : Material: l: : Materiau: l: :	Stahl/steel St. 37	Stahl/steel St. 37		Stahl/steel St. 37
Außendurchmesser: : Exterior diameter: l: :	40,0 mm	40,0 mm		40,0 mm
Wandstärke: : Wall thickness: : Epaisseur: :	2,0 mm	2,0 mm		2,0 mm
Streckgrenze: : Elastic limit: : Limite Elastique: :	240 N/mm	240 N/mm		240 N/mm
Zugfestigkeit: : Tensile strength: : Resistance a la Traction: :	370 N/mm	370 N/mm		370 N/mm

2.	Sonstige Streben Other struts Outres entretoises	Sonstige Streben Other struts Outres entretoises	Sonstige Streben Other strut Outres entretoises	Sonstige Streben Other strut Outres entretoises
Bezeichg. d. Strebe: : Marking of strut: l: :	H-Strebe h-strut	Diagonalstrebe diagonal strut	hintere Längsstreben back longitudinal struts	
Material: l: : Material: l: : Materiau: r: :	Stahl/steel St. 37	Stahl/steel St. 37	Stahl/steel St. 37	
Außendurchmesser: : Exterior diameter: :	40,0 mm	40,0 mm	40,0 mm	
Wandstärke: : Wall thickness: : Epaisseur: :	2,0 mm	2,0 mm	2,0 mm	
Streckgrenze: : Elastic limit: : Limite Elastique: :	240 N/mm	240 N/mm	240 N/mm	
Zugfestigkeit: : Tensile strength: : Resistance a la Traction: :	370 N/mm	370 N/mm	370 N/mm	

3. Befestigung mit der Karosserie / Fahrgestell:

Connection to the body / chassis:

Fixation a la carrosserie / chassis:

siehe Fotos/see photos

Käfig ist mit der Karosse verschraubt.

The roll cage is screwed up with the car-body.

Art der Befestigung:

Type of connection:

Type de la fixation:

siehe Fotos/see photos

Schraubengröße:

Screw Dimension:

Dimension de Vis:



4. Verbindungsteile:

Connection parts:

Parts connection:

siehe Fotos/see photos

alle Verbindungen im Käfig sind verschweißt

all connection parts in the cage are welded in

5. Bemerkungen:

Remarks:

Remarques:

Bodenblech – Blechplatte
steelplate for car-body120 cm², 3 mm stark
120 cm², 3 mm thick

DMSB-Prüfbericht Nr.: 2-473/67-S

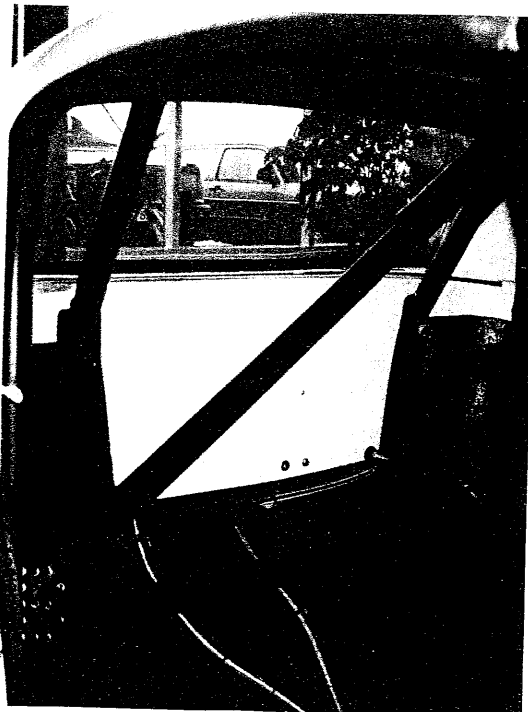
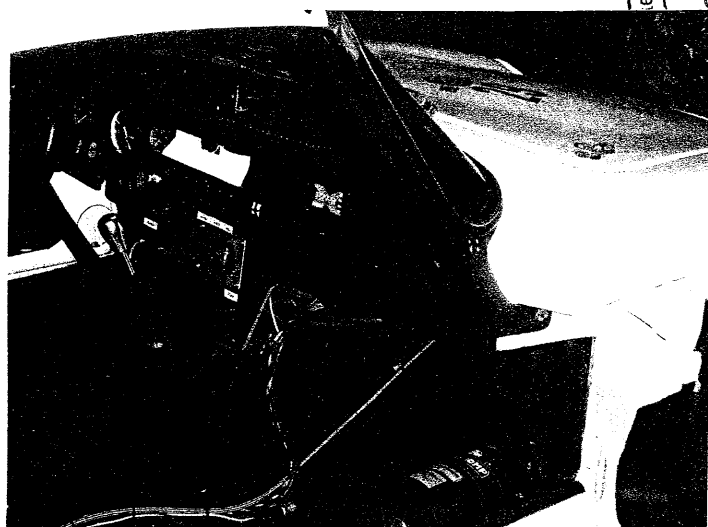
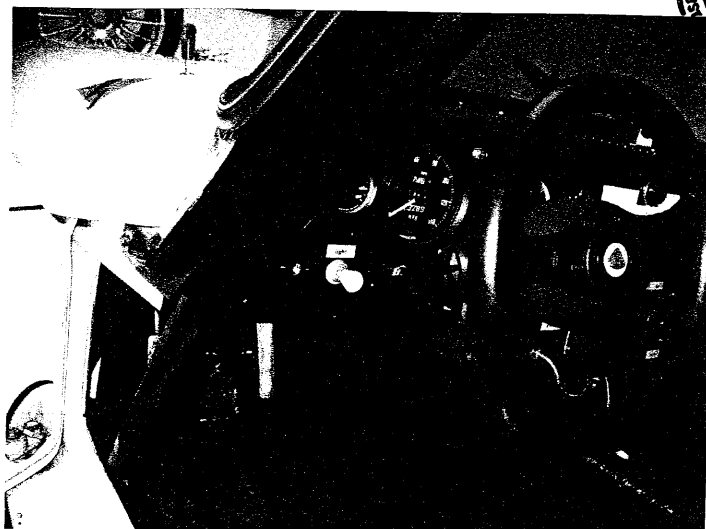
DMSB-Testreport No.:

DMSB-Rapport d'examen no:

Fotos oder Zeichnungen der Befestigungen und Verbindungen:

Photos or drawings of the attachments and connections:

Photos ou dessins des fixations et raccords:





FEDERATION INTERNATIONALE DE L'AUTOMOBILE

LOTUS ELAN

MARQUE ET MODELE

2/66

VALIDITE HOMOLOGATION

527

FICHE NR.

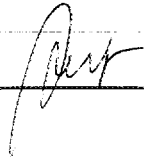
3 / 1620

GROUPE / CLASSE

EXTENSIONS	DEBUT VALIDITE	DESCRIPTION	NOTES
A/V	2/66	CARTER SEC - VILLEBREQUIN	
B/V	7/66	MODELE CONVERTIBLE - ECHAPPEMENT - RADIATEUR - FREIN - DIRECTION	
		JANTE -	
C/V	8/66	CARROSSERIE - PORTE	
5	8/66	CARROSSERIE	
6	8/66	POIDS - GLACES	
7	8/66	POIDS	
D/V	11/66	ACCUMULATEUR - DIFFERENTIEL	
		AUTOBRAQUANT	
6/2E	10/68	CARROSSERIE	
7/3E	14/68	INTERIEUR	

Autres homologations du modèle

127 - 3027

Vérifiée le 25/10/95 par  visée ce jour le _____ par _____



FEDERATION INTERNATIONALE
DE L'AUTOMOBILE

Homologation N°

527

Groupe

Group **3 – Grand Touring**

10/4E

FICHE D'HOMOLOGATION POUR INFORMATIONS COMPLEMENTAIRES
HOMOLOGATION FORM FOR COMPLEMENTARY INFORMATION

Erratum

Véhicule : Constructeur
Vehicle : Manufacturer **LOTUS**
Modèle et type
Model and type **Elan**

Homologation valable à partir du
Homologation valid as from **01/01/2011**

Article	Description
	<u>For all Historic Technical Passports issued after 1 January 2011:</u> Only two of the roll cages specified on this homologation form must be used: - From page 25 to 27, the device "E01X" made by "Safety Device" (extension 8/6V). - From page 30 to 32, the device made by "Sassa Roll Bar S.A.S." homologated on 01/01/2000. <u>For all cars after 1 January 2012:</u> Same restriction.

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