



F.I.A. Recognition No. 3027
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

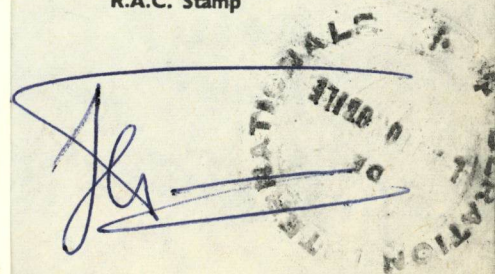
Manufacturer Lotus Cars Limited Cylinder-capacity 1558 cm.³ 95 in.³
Serial No. of chassis/body..... Model Elan
Serial No. of engine..... Manufacturer Lotus Cars Limited
Recognition is valid from 1/7/70 Manufacturer Lotus Cars Limited
List 70/17
The manufacturing of the model described in this recognition form started on 6th January 19 69
and the minimum production of 1,000 identical cars, in accordance with the specifications of
this form was reached on 14th November 19 69

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



F.I.A. Stamp

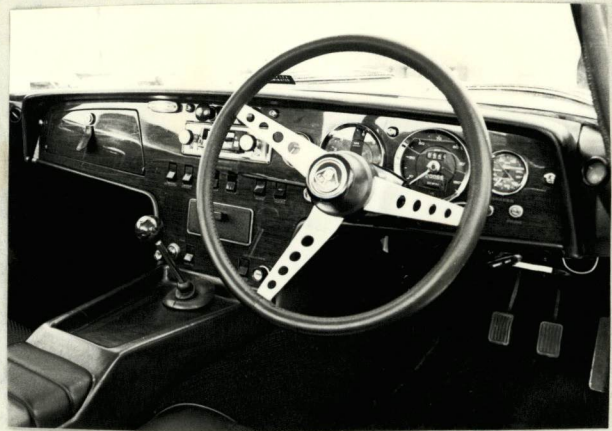
R.A.C. Stamp



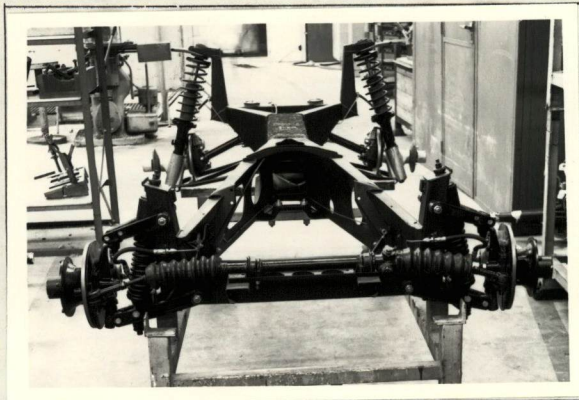
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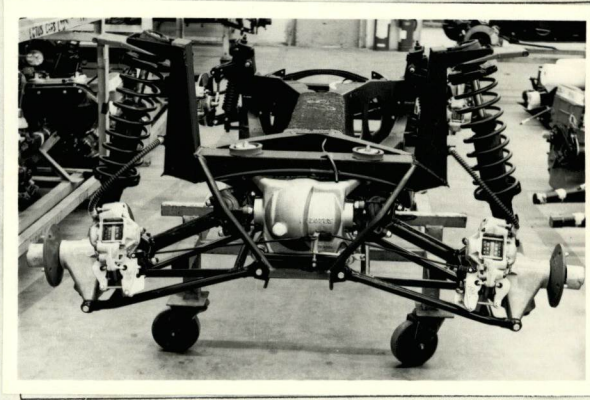
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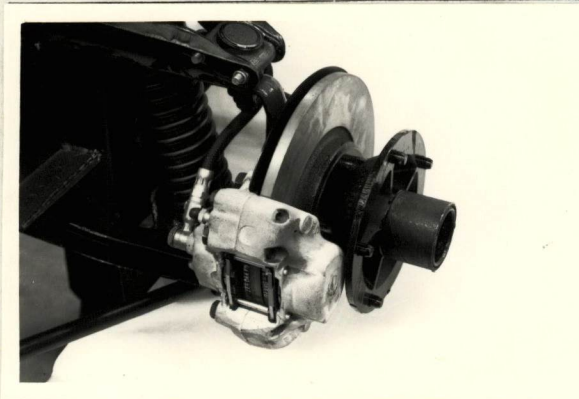
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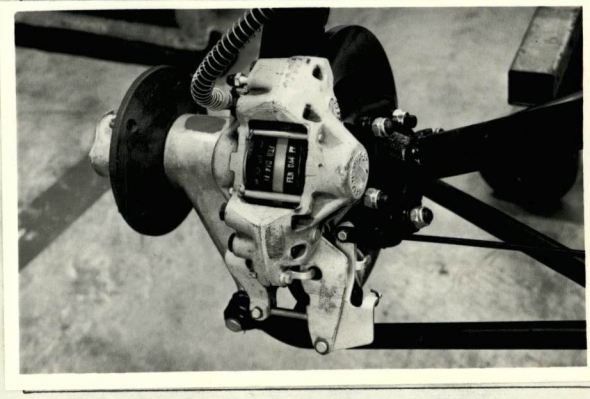
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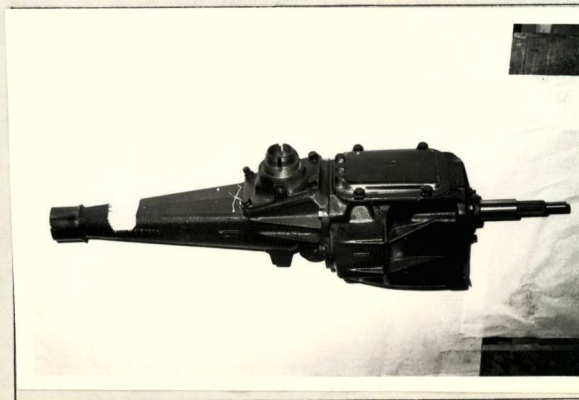
F



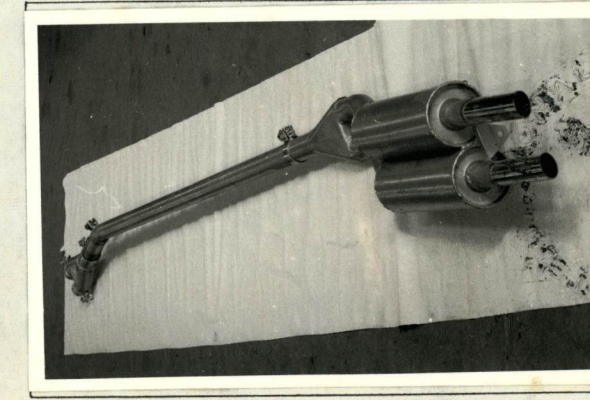
G



H



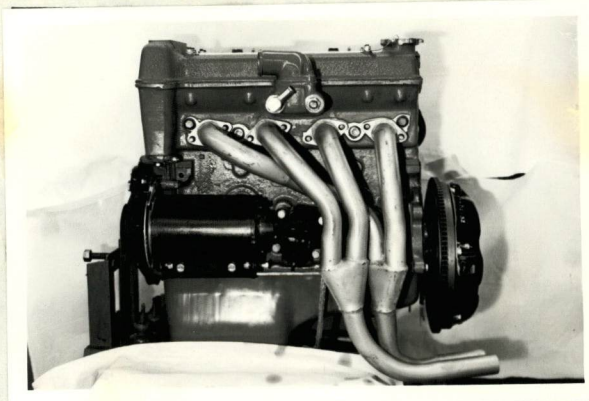
I



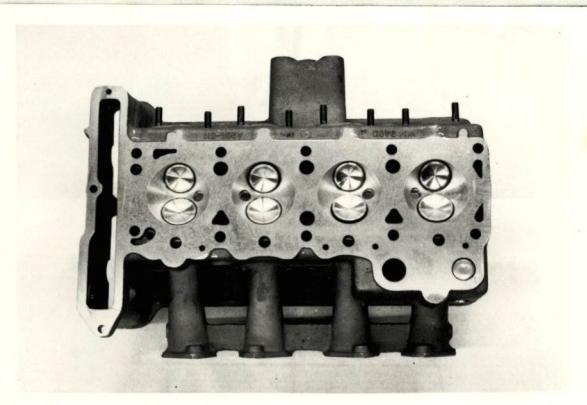
J



K



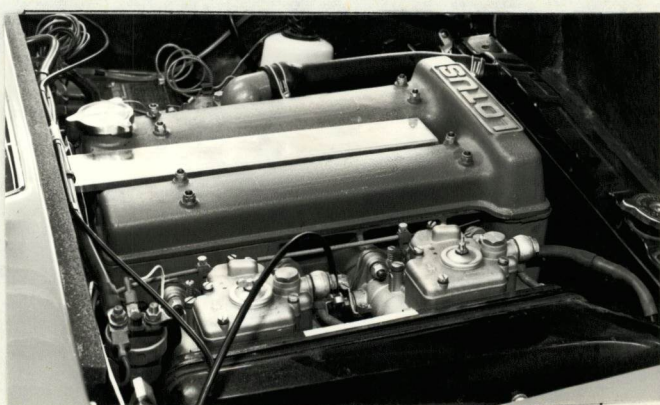
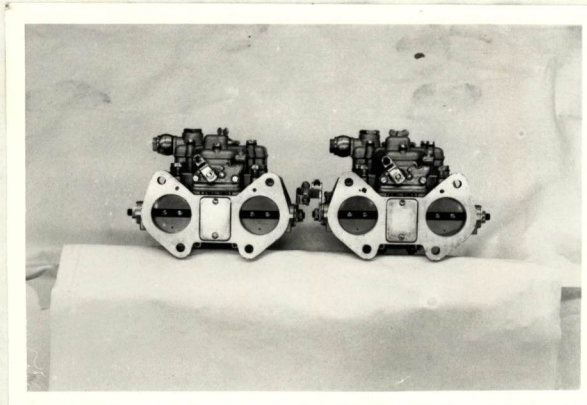
L



M



N

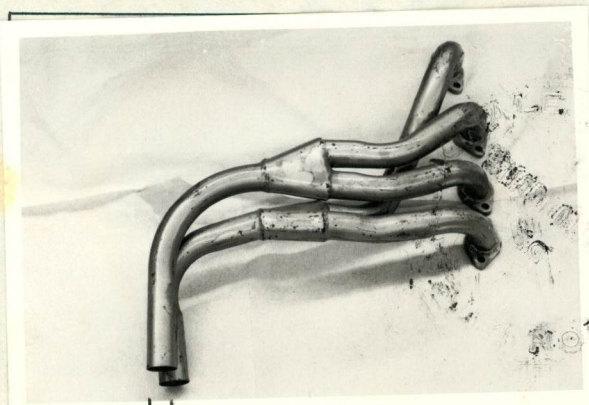


P

inlet manifold

Cast integral with head
see photograph L

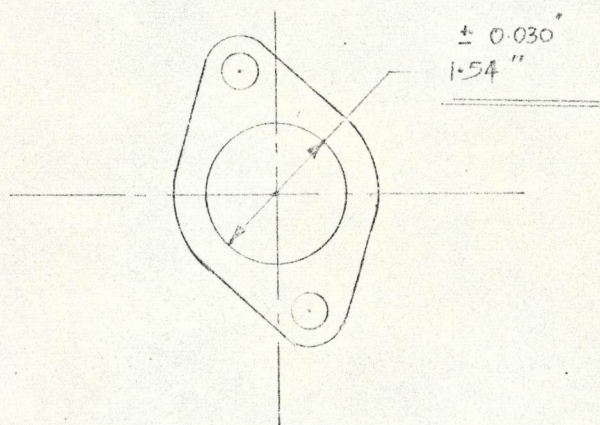
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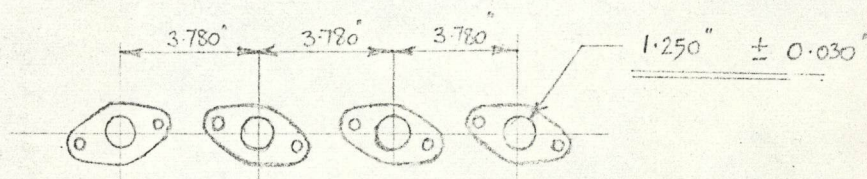
Drawing inlet manifold ports, side of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.

Integral with cylinder head

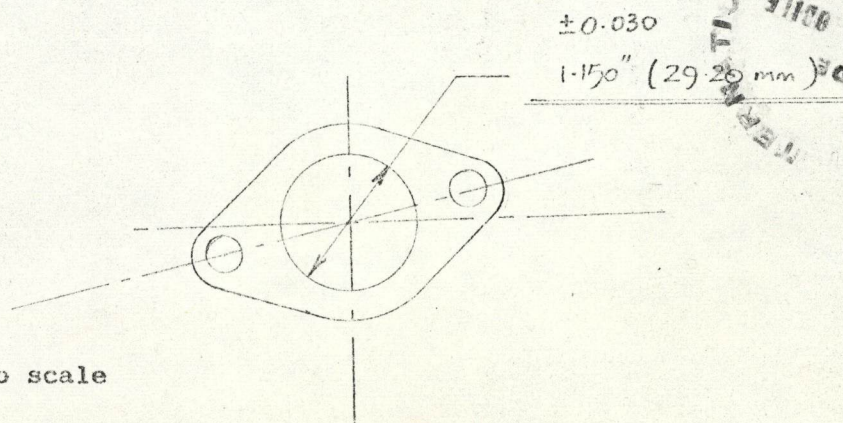
Drawing of entrance to inlet port of cylinderhead. Indicate scale or dimensions and manufacturing tolerance.



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.



N.B. Drawings not to scale

Make LotusModel Elan

F.I.A. Rec. No.

3027**NOTE 1.**

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

CAPACITIES AND DIMENSIONS

- | | | | | |
|----------------|------|-----|----|--------|
| 1. Wheelbase | 2134 | mm. | 84 | inches |
| 2. Front track | | | | |
| 3. Rear track | | | | |

1196 mm. 47.094 inches

1195 mm. 47.06 inches

Ground clearance at bottom
of chassis closing plate is
6 ins. 15.2 cm

See Note 2

See photograph D

Ground clearance at bottom of
chassis on rear axle centre line
is 6 ins. 15.2 cms.

See Note 2

See photograph E

- | | | | | |
|--|-------|-------|-----------------|------------|
| 4. Overall length of the car | 368.3 | cm. | 145 | inches |
| 5. Overall width of the car | 142.2 | cm. | 56 | inches |
| 6. Overall height of the car | 115.6 | cm. | 45.5 | inches |
| 7. Capacity of fuel tank (reserve included) | | | | |
| | 42 | ltrs. | 11 | gall. U.S. |
| | | | 9 $\frac{1}{4}$ | 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 : | | | | |
| | 698.5 | kg. | 1540 | lbs. |
| | | | | 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
1 foot/pied	— 30.4794	cm.	1 pint (pt)
1 sq. inch/pouce carre	— 6.452	cm. ²	1 gallon Imp.
1 cubic inch/pouce cube	— 16.387	cm. ³	1 gallon US
1 pound/livre (lb)	— 453.593	gr.	1 hundred weight (cwt.)

—	0.9464	ltrs.
—	0.568	ltrs.
—	4.546	ltrs.
—	3.785	ltrs.
—	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 Steel
23. Material(s) of coachwork Glass fibre reinforced plastic
24. Number of doors 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 Convertible - Perspex. Coupe - toughened glass
28. Material(s) of windscreen Laminated glass
29. Material(s) of front-door windows Toughened glass
30. Material(s) of rear-door windows N/A
31. Sliding system of door windows Electrically operated vertical slide
32. Material(s) of rear-quarter light N/A

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 Individual leathercloth
42. Weight of front seat(s), complete with supports and rails, out of the car :
kg. 20 lbs.
43. Rear seats, type of seat and upholstery N/A
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 'Knock On' steel wheels
51. Weight (per wheel, without tyre) kg. 11½ lbs.
52. Method of attachment Centre knock on nut with 5 locating studs
53. Rim diameter mm. 13 ins. 54. Rim width mm. 4½ J ins.

STEERING

60. Type Rack and Pinion
61. Servo-assistance : ~~yes~~ — no
62. Number of turns of steering wheel from lock to lock 2 2/3rds.
63. In case of servo-assistance



Make LotusModel ElanF.I.A. Rec. No. 3027**SUSPENSION**

70. Front suspension (photograph D), type **Independent**
71. Type of spring **Coil**
72. Stabiliser (if fitted) **Torsional anti-roll bar fitted**
73. Number of shock absorbers **Two** 74. Type **Telescopic**
78. Rear suspension (photograph E), type **Independent**
79. Type of spring **Coil**
80. Stabiliser (if fitted)
81. Number of shock absorbers **Two** 82. Type **Telescopic**

BRAKES (photographs F and G)

90. Method of operation
- Hydraulic**

91. Servo-assistance (if fitted), type

92. Number of hydraulic master cylinders
- One**

93. Number of cylinders per wheel
- One**

94. Bore of wheel cylinder(s)
- 53.975**
- mm.
- 2 $\frac{1}{8}$**
- inches
- FRONT**
- 34**
- mm.
- 1.34**
- inches
- REAR**

Drum Brakes **Not fitted**

- | | | | | |
|-------------------------------|------------------|---------|------------------|---------|
| 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 | 241 | mm. | 9.5 | inches | 254 | mm. | 10 | inches |
| 101. Thickness of disc | 12.7 | mm. | 0.5 | inches | 12.7 | mm. | 0.5 | inches |
| 102. Length of brake linings | 57.2 | mm. | 2.25 | inches | 47.6 | mm. | 1.875 | inches |
| 103. Width of brake linings | 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 | 4358.6 | mm. ² | 6.75 | sq. in. | 3627.1 | mm. ² | 5.5 | sq. in. |

Make LotusModel ElanF.I.A. Rec. No. 3027**ENGINE** (photographs J and K)

130. Cycle **Four Stroke** 131. Number of cylinders **Four**
132. Cylinder Arrangement **In line (Vertical)**
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 ± 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 **4 ltrs. 7½ pts. 2.25 quarts U.S.**
153. Oil cooler: ~~yes~~/no 154. Method of engine cooling **Water**
155. Capacity of cooling system **7.9 ltrs. 14 pts. 4.2 quarts U.S.**
156. Cooling fan (if fitted) dia. **27.94 cm. 11 in.**
157. Number of blades of cooling fan **Two**

Bearings

158. Crankshaft main, type **Steel backed shell** dia. **54 m.m. 2.125 in.**
159. Connecting rod big end, type **Steel backed shell** dia. **49.205 m.m. 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. .372 in.** 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/warm) **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. .372 in.** 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/warm) **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.**
 204. Diameter outlet orifice exhaust manifold **31.75 mm. 1.25 ins.**

CARBURETION (photograph N)

210. Number of carburettors fitted **Two** 211. Type **Twin Choke Horizontal**
 212. Make **Weber** 213. Model **40 DCOE**
 214. Number of mixture passages per carburettor **Two**
 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)
33 mm. 1.30 ins.

INJECTION (if fitted) **Not 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 43.

Make..... Lotus

Model..... Elan

F.I.A. Rec. No. 3027

ENGINE ACCESSORIES

230. Fuel pump : mechanical and/or electrical

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 One

237. Method of drive V Belt from crankshaft pulley

238. Voltage of generator 12 volts

239. Battery, number One

240. Location Under floor of boot

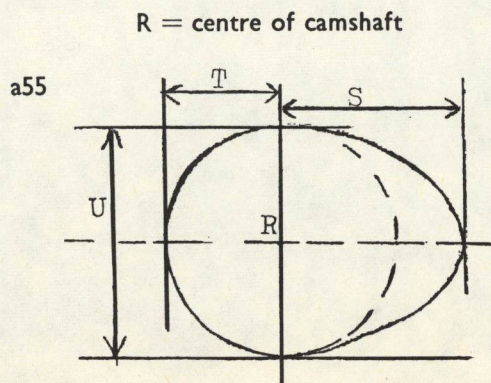
241. Voltage of battery 12 volts

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

250. Max. engine output 118 (type of horsepower: BHP) at 6250 r.p.m.

251. Max. r.p.m. 6,500 output at that figure

252. Max. torque 106 lbs ft (14.655 kg. m) at 5000 r.p.m.

253. Max. speed of the car Not quoted km./hour miles/hour
by manufacturer**Inlet cam**

S =	mm.	0.95 inches
T =	mm.	0.60 inches
U =	mm.	1.20 inches

Exhaust cam

S =	mm.	0.95 inches
T =	mm.	0.60 inches
U =	mm.	1.20 inches

Make LotusModel ElanF.I.A. Rec. No. 3027**DRIVE TRAIN****CLUTCH**260. Type of clutch Diaphragm261. No. of plates One

262. Dia. of clutch plates

20.3 cm. 8 ins.

263. Dia. of linings, inside

14.6 cm. 5.75 ins.

outside

20.3 cm. 8 ins.

264. Method of operating clutch Hydraulic**GEAR BOX** (photograph H)270. Manual type, make FordMethod of operation Manual271. No. of gear-box ratios forward Four272. Synchronized forward ratios Four273. Location of gear-shift Central on transmission tunnel274. Automatic, make Not fitted

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	2.972:1	30/19						
2	2.009:1	32/17						
3	1.396:1	30/19						
4	1.000:1	30/19						
5		23/22						
6		direct						
reverse	3.324:1	40/22/19						

278. Overdrive, type Not fitted

279. Forward gears on which overdrive can be selected

280. Overdrive ratio

FINAL DRIVE290. Type of final drive Hypoid Bevel291. Type of differential Bevel Gear

292. Type of limited slip differential (if fitted in series-production)

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

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.

LOE/E/1 ALLOY ROAD WHEELS 5½" RIM WIDTH

LOE/E/2 ALLOY DIFF. CASING

LOE/E/3 alloy gear box housing extension

LOE/E/4 ALLOY GEARBOX HOUSING

LOE/E/5 ALLOY BELL HOUSING

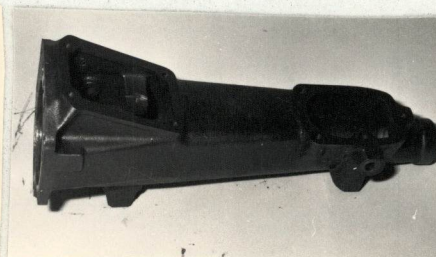
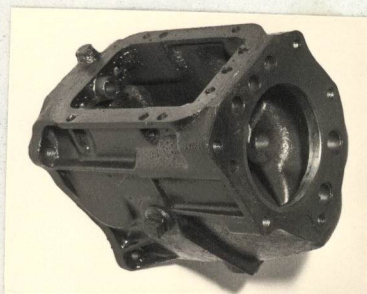
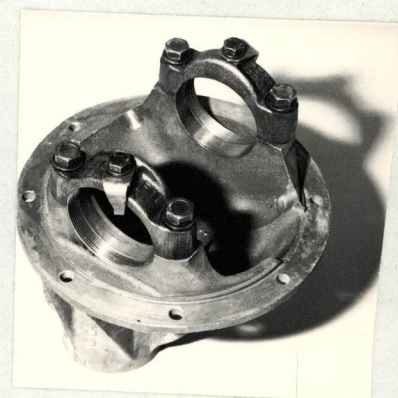
LOE/E/6 ALTERNATOR

LOE/E/7 OIL COOLER

LOE/E/8 OPTIONAL FINAL DRIVE RATIO 3.55:1

LOE/E/9 FLARED WHEEL ARCHES

LOE/E/10 ROLL OVER BAR





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

Manufacturer..... **LOTUS**
Model..... **ELAN**
F.I.A. Recognition No. **3027**
Amendment No. **1/1E**

Amendment to Form of Recognition

FEDERATION INTERNATIONALE DE L'AUTOMOBILE

No.

Reference No.

MODEL ELAN NOW DESIGNATED ELAN 'SPRINT'
REVISED TWO-TONE COLOUR SCHEME
'BIG VALVE' CAMSHAFT COVER.

Amendments as follows:-

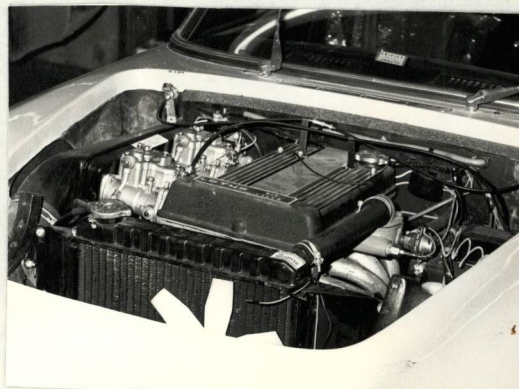
142. 10.3 to 1 $\pm$ 0.1
143. 35.6 cubic centimeters 2.17 cu.in.
156. DELETED
181. 39.70 m.m. 1.563 in.
182. 9.23 m.m. 0.360 in.
250. 126 BHP SAE
252. 113 lb.ft. @ 5.500 r.p.m.

INLET CAM.

S = 0.930 in. 23.62 m.m.
T = 0.570 in. 14.48 m.m.
U = 1.140 in. 28.96 m.m.

EXHAUST CAM.

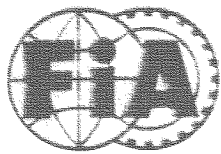
S = 0.930 in. 23.62 m.m.
T = 0.570 in. 14.48 m.m.
U = 1,140 in. 28.96 m.m.



ALL OTHER DETAILS ARE AS PREVIOUSLY HOMOLOGATED.

Date amendment is valid from 1/7/71

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



FEDERATION INTERNATIONALE DE L'AUTOMOBILE

Homologation N°

3027

Groupe

Group

~~A/B/N~~

III

Extension N°

2/1V

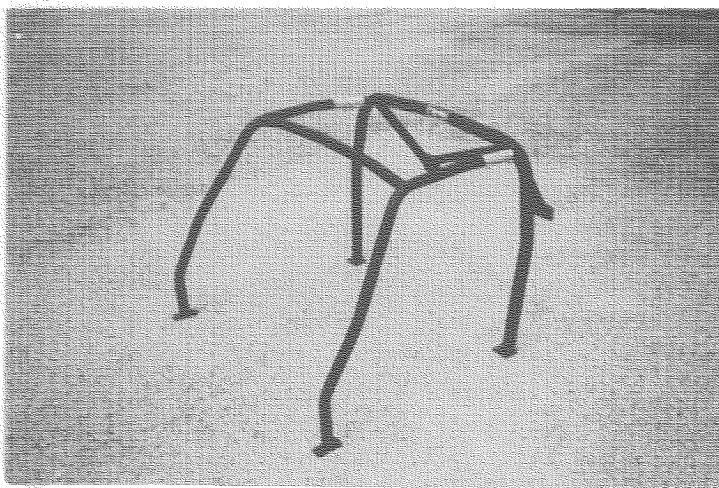
FICHE D'EXTENSION D'HOMOLOGATION POUR ARMATURE DE SECURITE FORM OF HOMOLOGATION EXTENSION FOR SAFETY CAGE

☒ VO Variante option / Option variantVéhicule : Constructeur
Vehicle : Manufacturer LOTUSModèle et type
Model and type ELAN S3Homologation 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
Epaisseur 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.sPoids total y compris les fixations
Total weight including fixations 40 kgArceau 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 Blandonnet

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.s.

63040 MALTINO - 61013 ASCOLI P.
Via Benvenuto 12 - 0736/402228
C.F. 0223670449

SASSA ROLL-BAR s.r.l.s.

L'Amministratore

Marque
Make

Modèle
Model

Homologation No

Extension No

PHOTO No 1

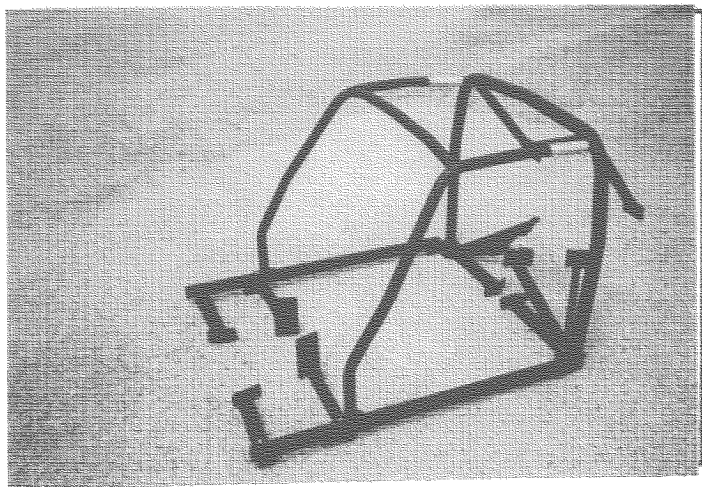


PHOTO No 2

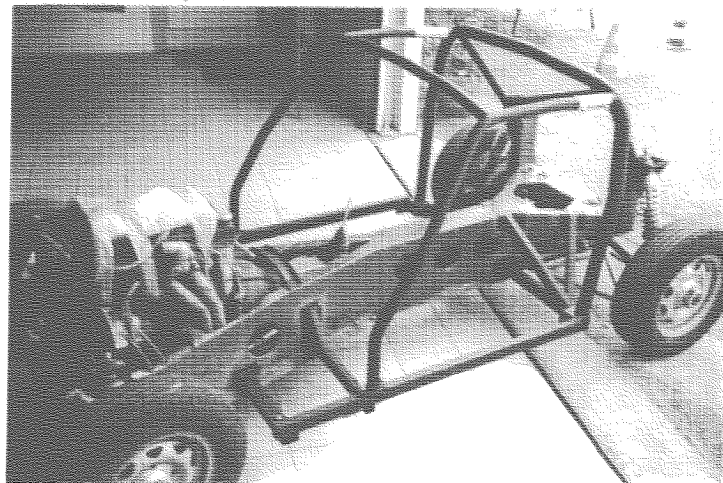


PHOTO No 3

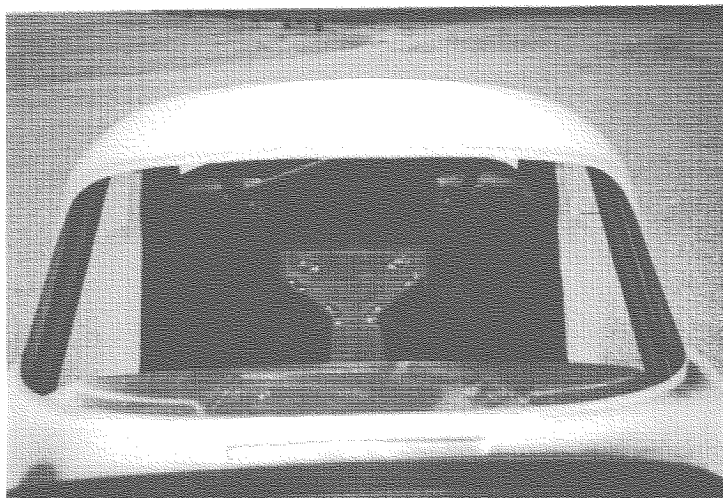


PHOTO No 4

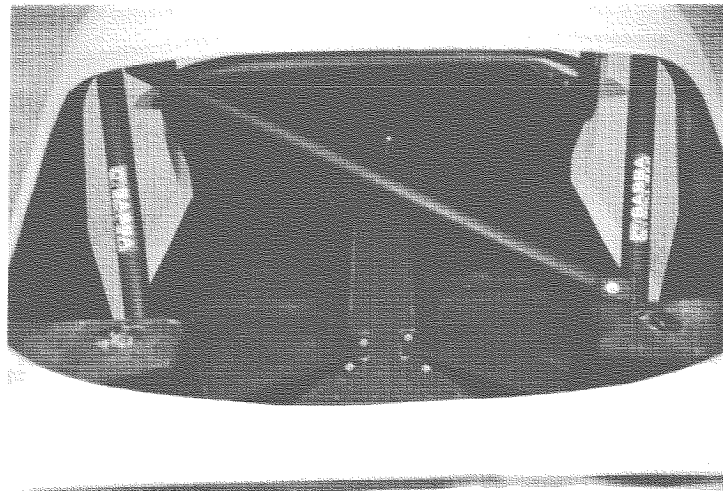
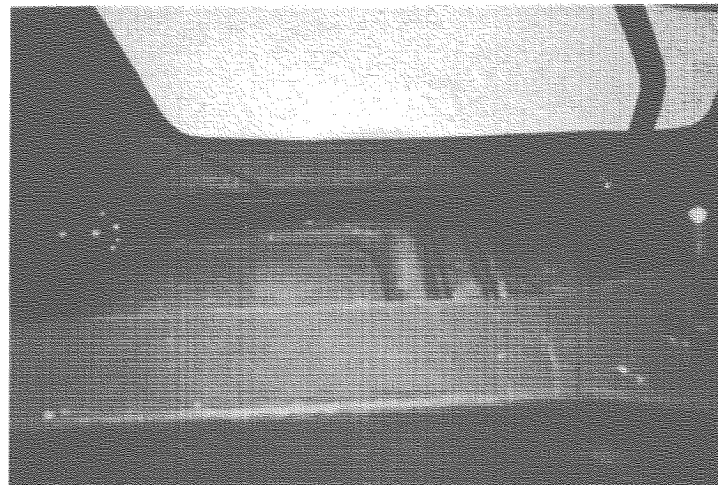


PHOTO No 5



PHOTO No 6



Marque
Make

Modèle
Model

Homologation No

Extension No.

PHOTO No 7

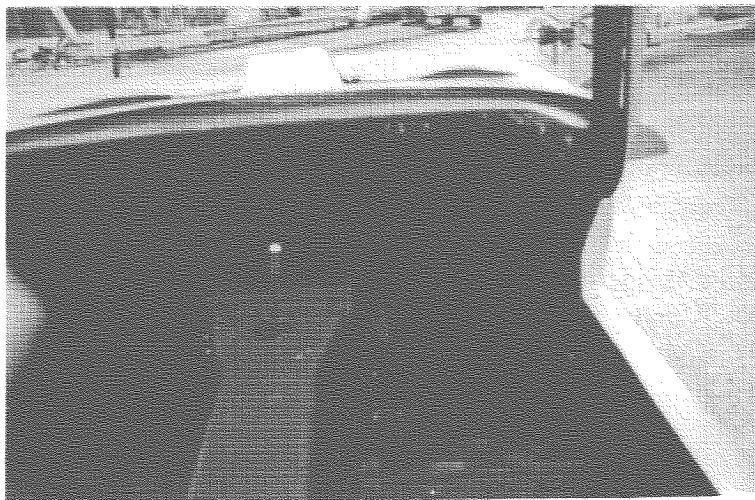


PHOTO No 8

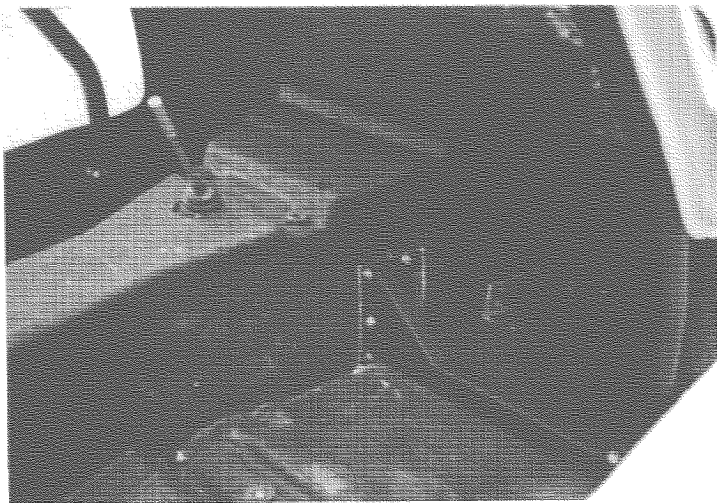


PHOTO No 9

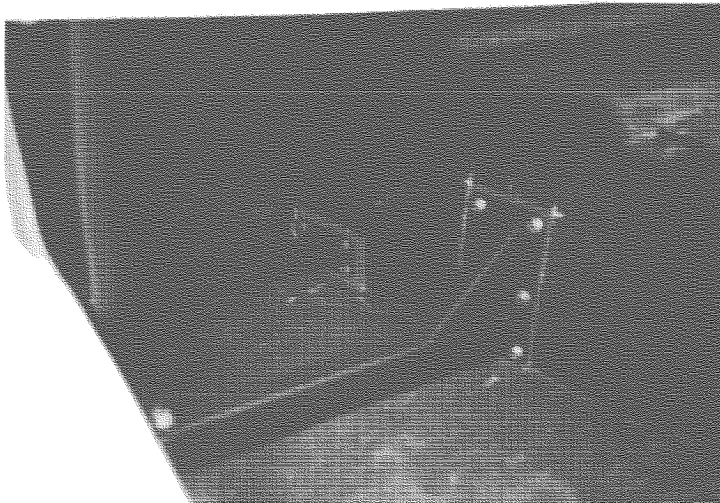


PHOTO No 10

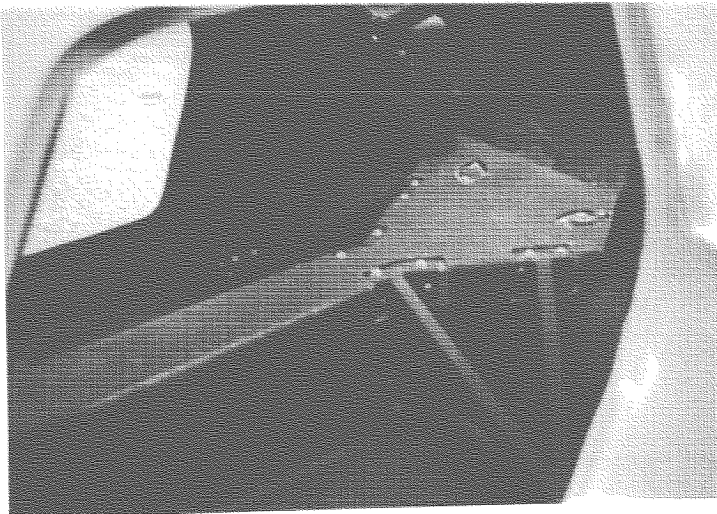


PHOTO No 11

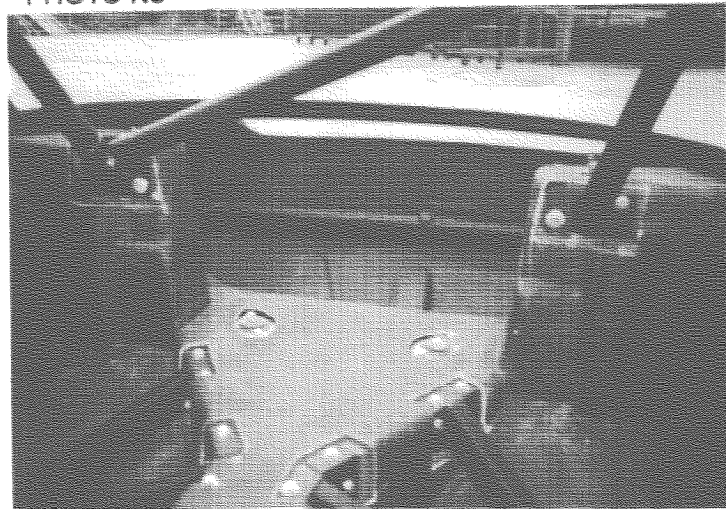
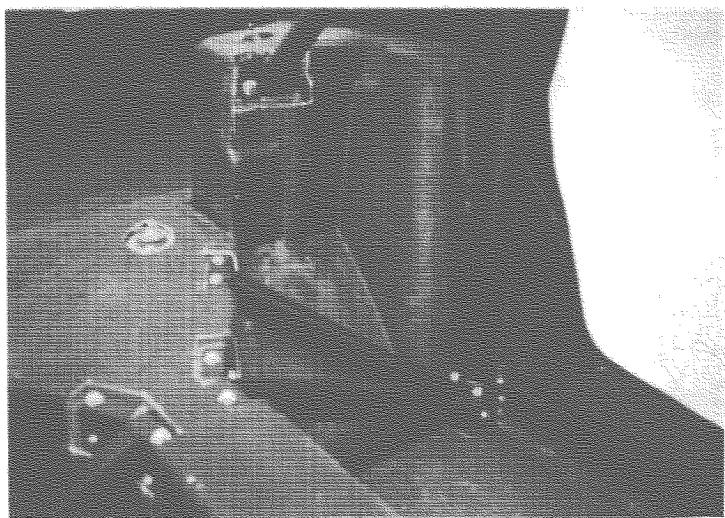


PHOTO No 12



R.A.C. Recognition No. 10
Valid From 1.6.72



FIA n°: 3027
Ext. n°: 3/2V

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

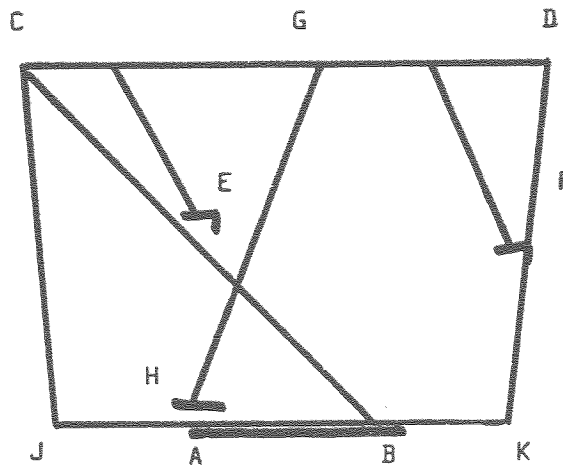
Acceptable signatories must be a Corporate Member of the Royal Aeronautical Society or the Institution of Civil, Mechanical or Structural Engineers.

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

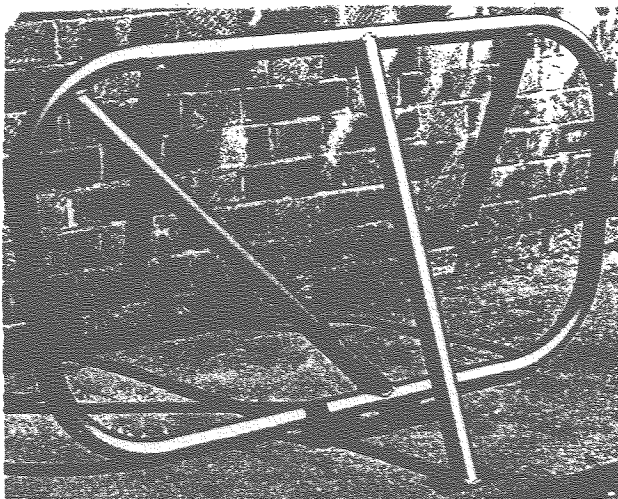
Main mounting plate to backbone chassis secured by 6 bolts

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.

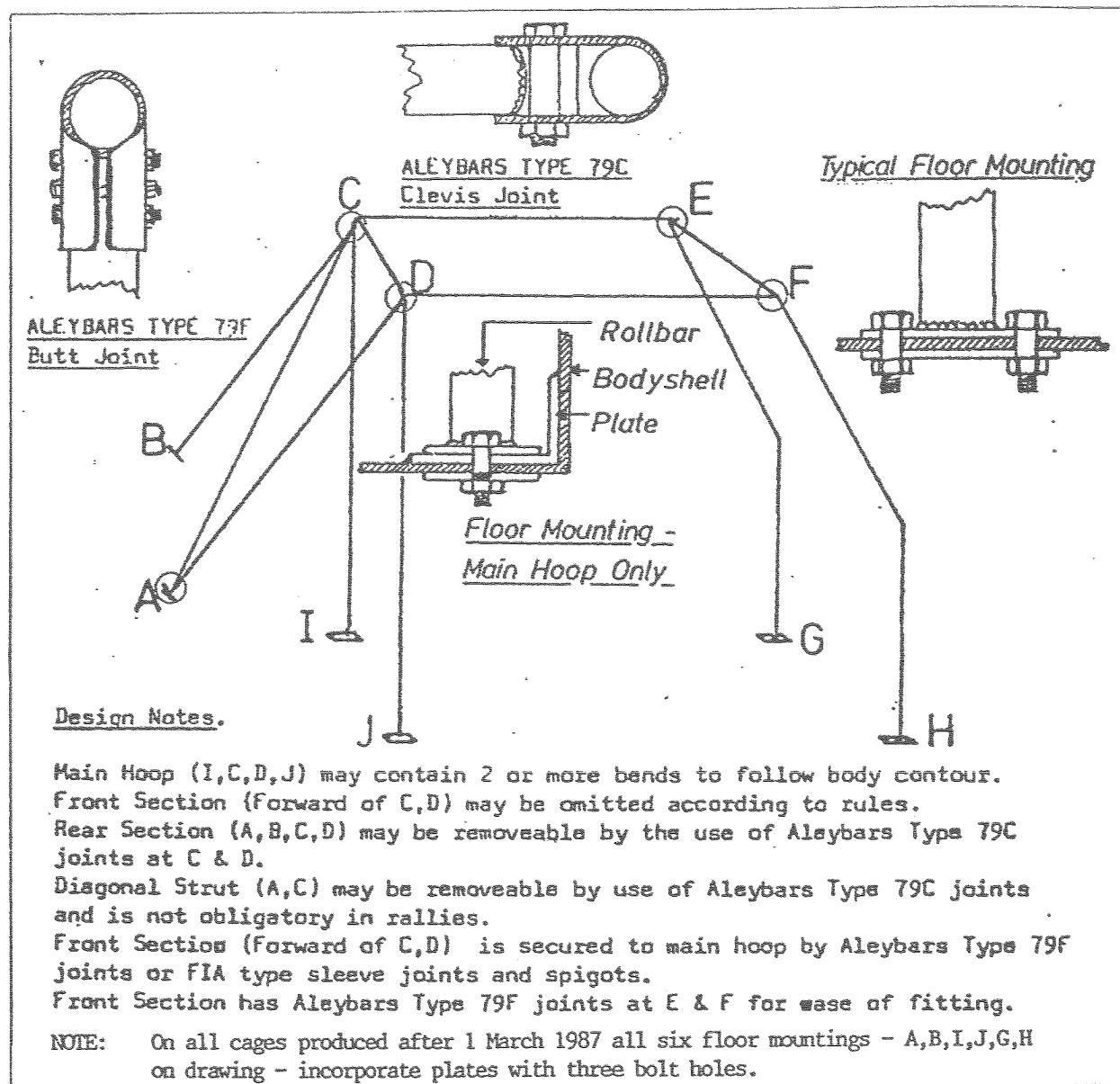


(Signed)

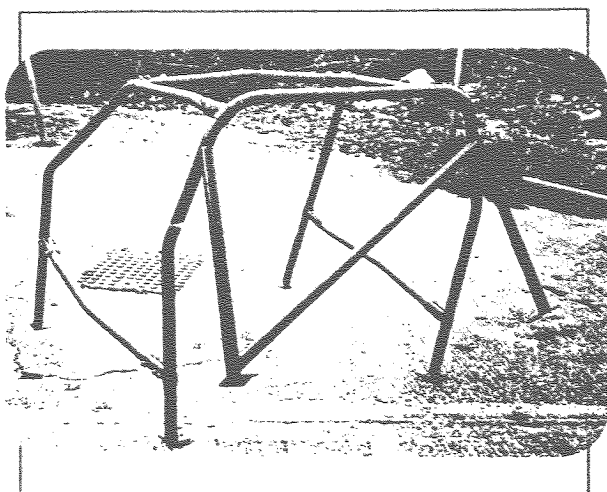
M. P. W. C. Eng. A.E.R. A.S.
 R.A.C. GROUP 1 SCRUTINEER

(Countersigned)

PAC
 MOTORSPORTS CLUB



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



(Signed)

[Signature]

R.A.C. GROUP 1 SCRUTINEER

(Countersigned)

[Signature]
ROYAL AUTOMOBILE CLUB

RAC MSA Recognition No. 1114

Valid From 120793



FIA no: 3027

Ext no: 4134

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. lbs. lbs.
kgs. kgs 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 Furling Ceng FRAES FIEE FIOA MIMCHE 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

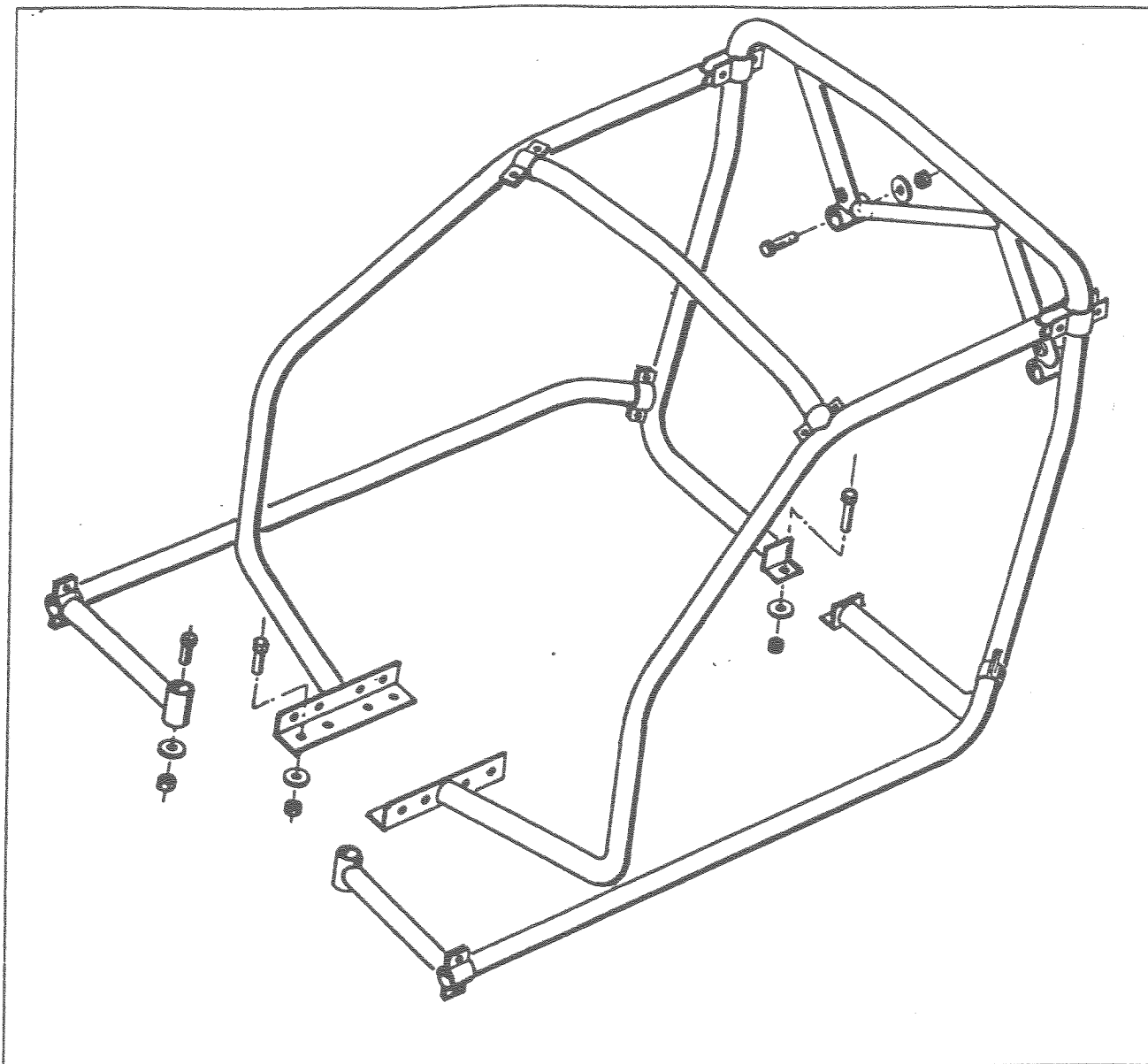
I declare that the roll bar described is in conformity with the F.I.A. regulations as to design.

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)

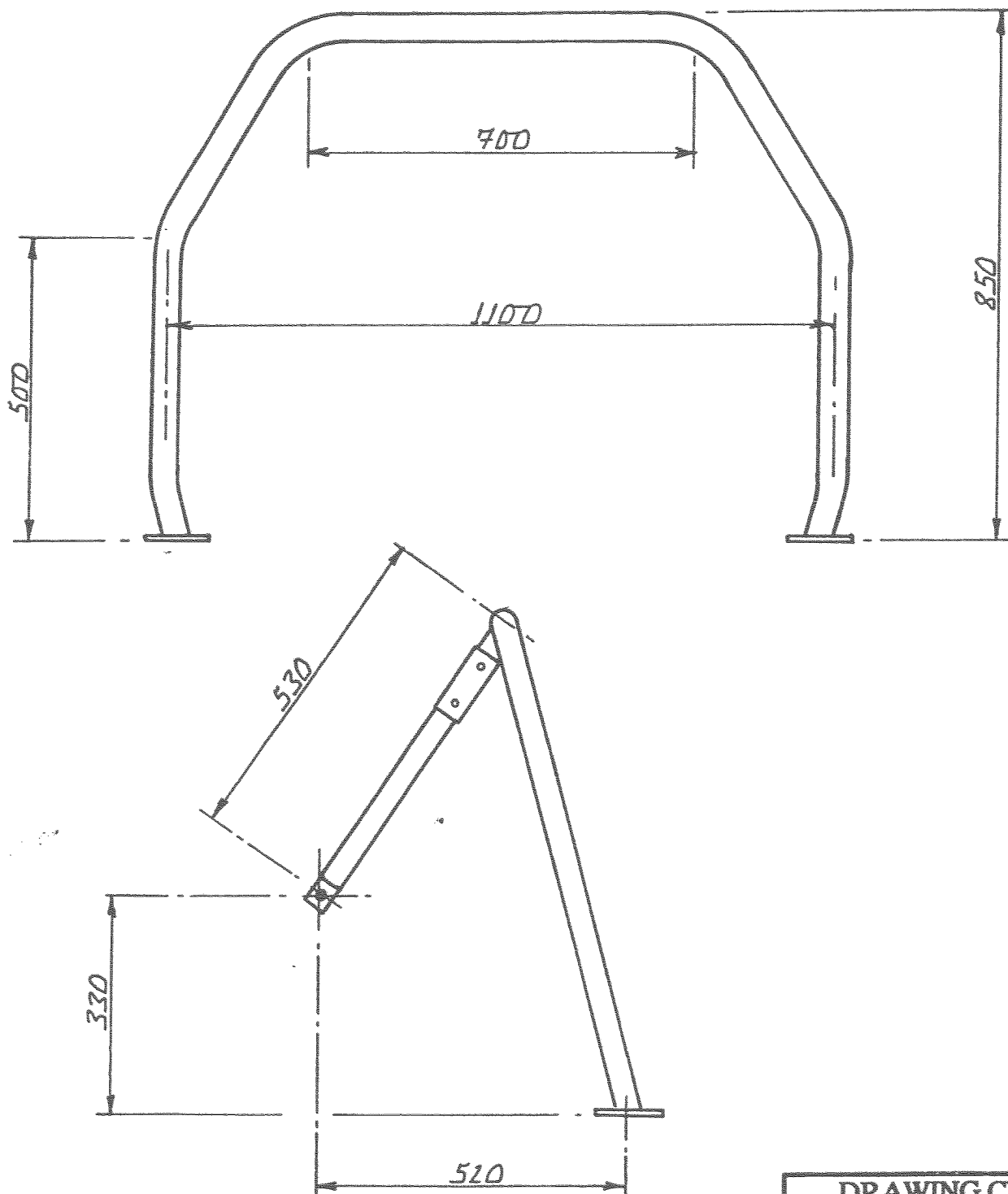
RAC MSA GROUP 1 SCRUTINEER

(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>6C</i>	PART NUMBER <i>111</i> <i>4</i>
HOOP & BACKSTAY DIMENSIONS		SHEET <i>1</i> OF <i>1</i>



DRAWING CHANGES

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

RAC MSA Recognition No. 0739

Valid From 220389



FIA no: 3027

Ext no: 514V

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

Cars 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. J. GOWITT Name P. F. J. GOWITT

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

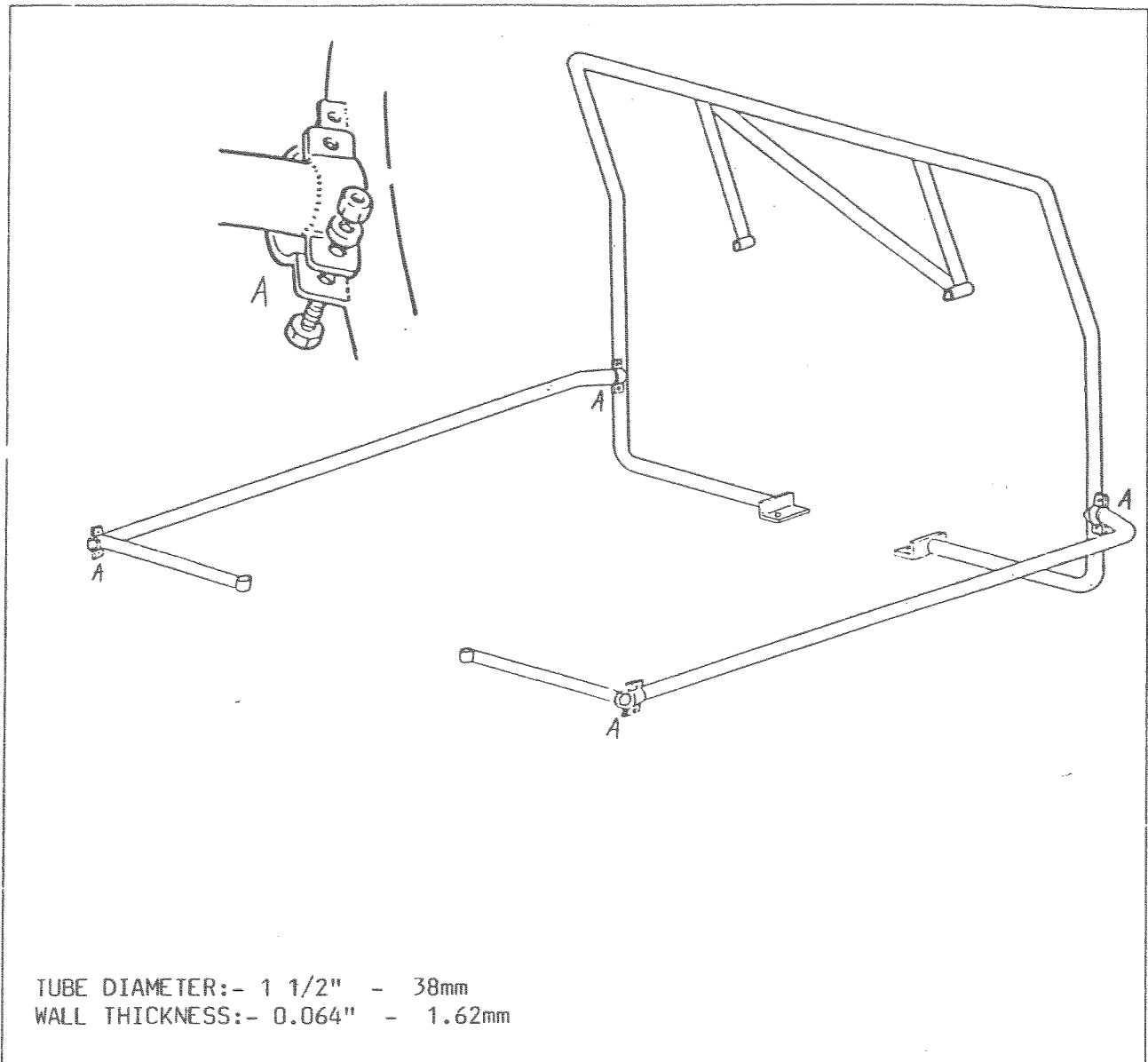
Acceptable signatories must be a Corporate Member of the Royal Aeronautical Society or the Institution of Civil, Mechanical or Structural Engineers.

DECLARATION BY MANUFACTURER

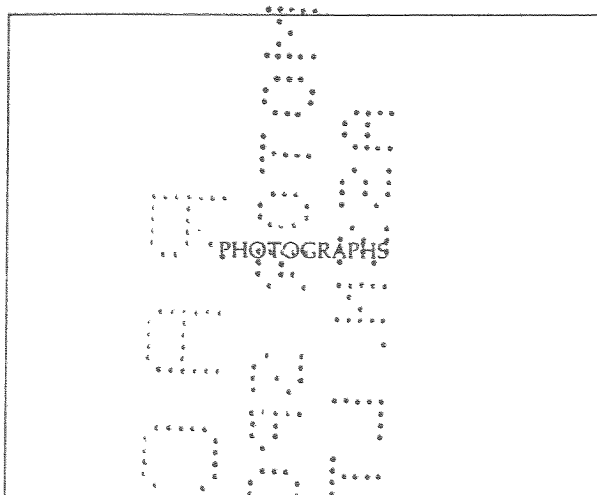
I declare that the roll bar described is in conformity with the F.I.A. regulations as to design.

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

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:

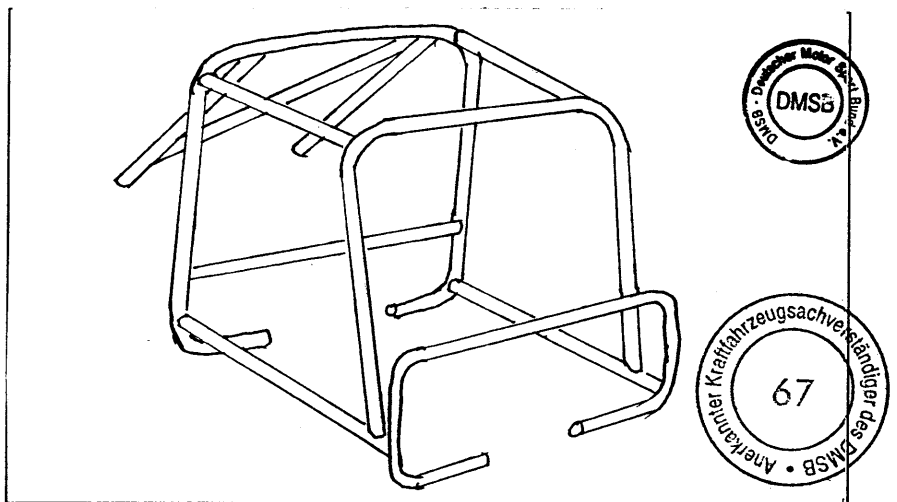
Verwendung in Fahrzeugen
Application in cars
Utilisation dans les véhicules

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 (Constructor)
Signature (Constructeur)

DMSB-Prüfbericht Nr.: 2-473/67-S

DMSB-Testreport No.:

DMSB-Rapport d'examen no:

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-body

120 cm², 3 mm stark
120 cm², 3 mm thick

DMSB-Prüfbericht Nr.: 2-473/67-S

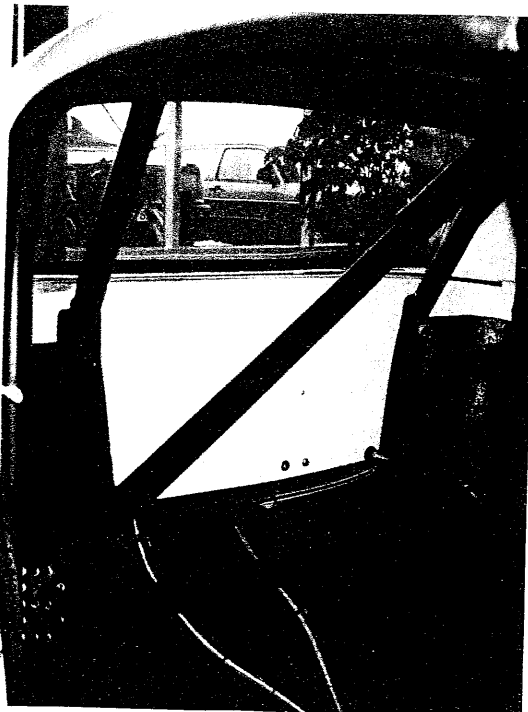
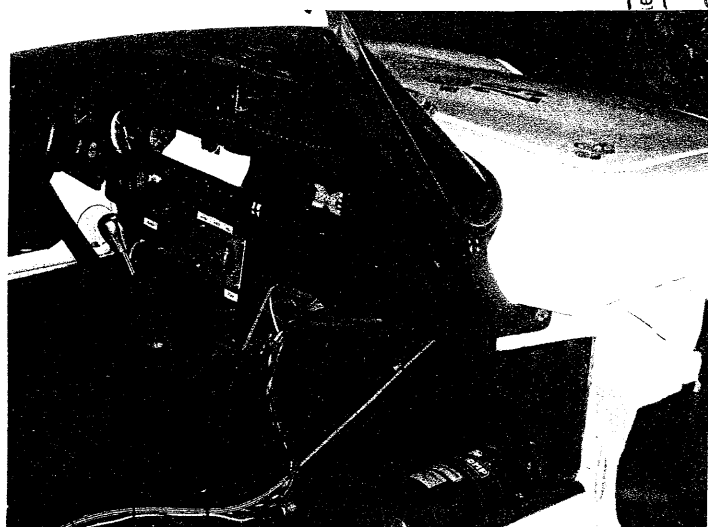
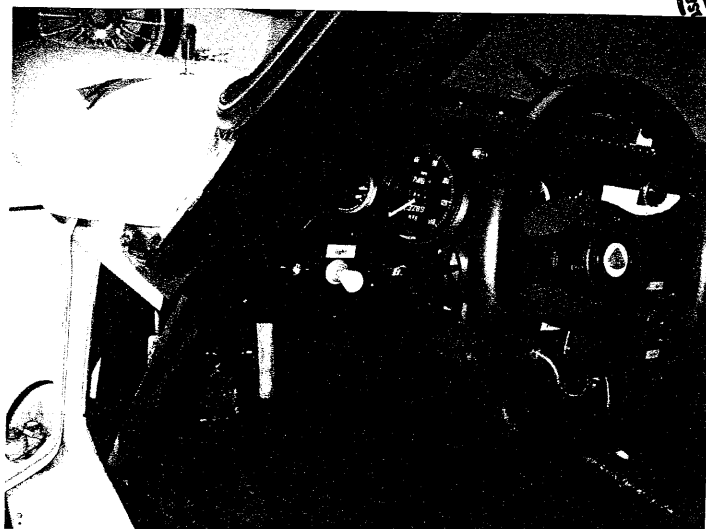
DMSB-Testreport No.:

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

Homologation N°

3027

Groupe

Group

3 – Grand Touring

06/02E

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

Erratum

Véhicule : Constructeur

Vehicle : Manufacturer

LOTUS

Modèle et type

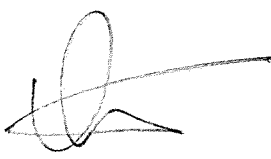
Model and type

Elan

Homologation valable à partir du

Homologation valid as from

01/04/2010

Article	Description
	The roll-over structure specified on page 12 of the basic form as an option ("LOE/E/10 Roll over bar") must not be used. Instead refer to the structures described on variants 2/1V to 5/4V. Fédération Internationale de l'Automobile 2 chemin de Blandonnet CH-1215 GENEVE 15 Tél.: 41 22 544 44 00 Fax Sport: 41 22 544 44 50 



FEDERATION INTERNATIONALE
DE L'AUTOMOBILE

Homologation N°

3027

Groupe

Group **3 – Grand Touring**

07/03E

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 14 to 16, the device made by "Sassa Roll Bar S.A.S." homologated on 01/01/2000 (extension 2/1V). - From page 20 to 22, the device "E01X" made by "Safety Device" (extension 4/3V). <u>For all cars after 1 January 2012:</u> Same restriction. <u>Erratum 06/02E must be corrected accordingly.</u>

Fédération Internationale de l'Automobile
2 chemin de Blandonnet
CH-1215 GENEVE 15
Tél.: 41 22 544 44 00
Fax Sport: 41 22 544 44 50