



Technical Notes – No. 010

Make – Lotus

Model – Elan 26R



Applicable to Period F – Precision / GTS10

Issue #4

Homologation 127 Group GT – Earliest specification applicable 1963

Item		Appendix K	Restriction
1.	Wheelbase	2130mm	
2.	Front Track	1190mm	Max. 1222mm with 6" wheels.
3.	Rear Track	1230mm	Max. 1262mm with 6" wheels.
4.	Minimum Weight	580kg	
5.	Maximum Fuel Capacity	100litres	
6.	Chassis	Steel fabricated backbone	
7.	Brakes	FR. 241.295mm Solid discs 2-pot Girling AR 42.8mm piston OD. 10mm disc thickness. RE. 254mm Solid discs. 2-pot Girling Type 10 30.3mm piston OD. 10mm disc thickness.	Cooling ducts must be contained within the overall front perimeter of the car, under body/chassis type are forbidden. The use of guide and backplates are recommended.
8.	Suspension	FR. Double wishbones, coilover damper on fixed spring platforms. RE. Chapman Strut and bottom wishbone, fixed coil spring platforms.	FR. Adjustable length top wishbone through Uniballs only. Anti-Roll Bar is not adjustable under the car or at wishbone mount. Double adjustable steel bodied dampers for Front only. RE. Adjustable length bottom wishbone through Uniballs only. Anti-Roll Bar, when fitted, is not adjustable, Uniball drop links permitted. Single adjustable steel cartridge dampers for Rear only. See Note 1
9.	Bodywork	Fibreglass	
10.	Wheels & Tyres	13" Diameter FR. & RE. 4.5-6" (0.5" incr.)	
11.	Dashboard	Plywood	See Note 2
12.	Steering	Rack & Pinion	
13.	Engine capacity	1558cc 82.55x72.75 Bore/Stroke	Maximum rebore as per Homologation/Appendix K.
14.	Ignition	Distributor/Coil/Breakers	Electronic Magic eye authorized.
15.	REV limitation	MSD 6AL (ref: MSD PN 6425 or 6420) mandatory. Set @8000RPM	
16.	Intake	2x Weber 45 DCOE	Maximum allowed fitment. Airbox permitted. See Note 3

17.	Exhaust	As per Homologation Page 4.	See Note 4
18.	Clutch	Single plate / Slave cylinder.	
19.	Gearbox	Ford 4-speed, all synchromesh.	No dog engagement allowed. Aluminium Tracksport main case is not allowed. Alternative gear ratios as per Homologation Page 5.
20.	Differential	Salisbury POWR-LOK LSD	

ADDITIONAL NOTES

SAFETY

ALL cars must be equipped with an HOMOLOGATED/CERTIFIED ROPS approved by the FIA and as listed and published by the Governing Body.

The Certificate of the ROPS must be presented at Scrutineering, and must be an official and valid document.

Certain options detailed in Motorsport UK certificates are not valid for Appendix K racing, notably forward reinforcement bars in the driver/passenger footwell going from dashboard bar down to lower forward mount to chassis at floor height.

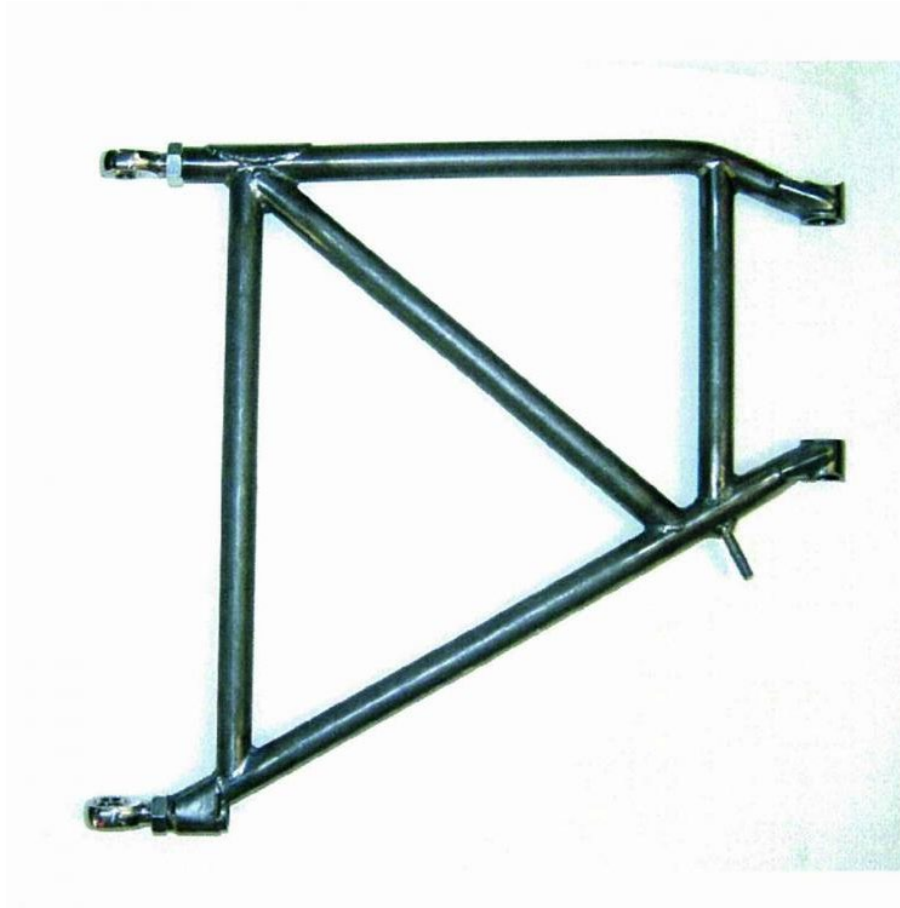
Note 1 – Suspension

Front homologated competition upper wishbone.



ADDITIONAL NOTES

Rear homologated competition lower wishbone.



The ARB on the front should be fixed on non-adjustable mounts beneath the chassis , they cannot be adjustable in-situ. Correct type of mount:



ADDITIONAL NOTES

At best, dampers must be of the following type:

FRONT – Double Adjustable – Steel bodied – Fixed platforms

REAR – Single adjustable – Steel bodied – Fixed platforms

The rear Chapman Strut will have adjusters (single) at top of strut accessible inside the cockpit. The technology of double adjustable systems is not allowed as not available for a Chapman strut in period.

Note 2 – Dashboard

The dashboard must be the plywood version, it can be painted, coated, etc. but it must remain the original design, S1 with open glovebox as per Page 2 of Homologation, S2 with closed glovebox as per Page 127/1/ET of Homologation. And it must have the original dash top cover featuring grilles air feed to windscreen.

Note 3 – Intake/Airbox

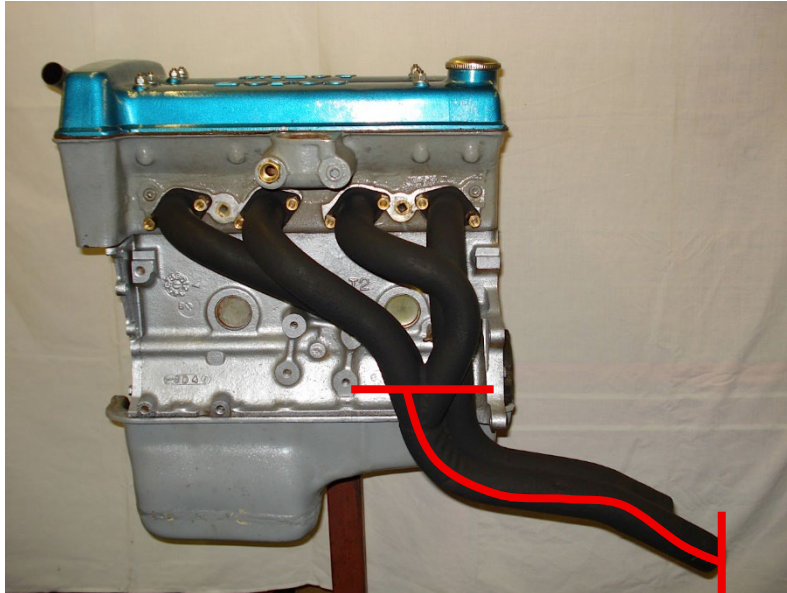
Correct type is an S1 Backplate and cover, the backplate is always the same.

What is critical is the shape of the cover which is not uniform but gradually smaller from front to back.



Note 4 – Exhaust manifold

The original exhaust manifold on a Lotus Elan is a triple-Y construction, with the outer Y section mounting to cylinder 2-3 and the inner Y section mounting to 1-4, outer and inner sections going into the final Y section prior to silencing pipe. The diameter of the flange at port is of 34mm and outer/inner Y sections going into final Y with a diameter of 38.4mm.



The measurement of the secondary pipe shown in red from C-C of flanges is of 30-33cm.