



5TH CATEGORY - HISTORIC RACING
GROUP S
 APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current Motorsport Australia Manual.

Make of Car:	Lotus	Model:	Elan – +2 +2s +2s 130
Period of Original Manufacture:	+2 – 1967 - 1975 +2s – 1968 - 1970 +2s 130 - 1971		
Motorsport Australia Historic Group:	Sb		
Date of Issue of this Document:	30/6/2022		



Update Log

30/6/2022	Document layout

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Backbone
Period of Manufacture:	+2 – 1967 - 1975 +2s – 1968 - 1970 +2s 130 - 1971
Manufacturer:	Lotus
Chassis Number From:	05/0001 -7001 L
Chassis Number location:	Bulkhead, engine bay, exhaust side
Material:	Mild steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent front suspension – twin wishbones		
Spring Medium:	Coil		
Damper Type:	Tubular	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height are unrestricted		

1.3. REAR SUSPENSION

Description:	Independent rear suspension – Chapman strut		
Spring Medium:	Coil		
Damper Type:	Tubular	Adjustable	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height are unrestricted		

1.4. STEERING

Type:	Rack and pinion	Make:	Alford and Alder
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	241 mm	254 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Dual master cylinder allowed	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Lotus		
Model:	Twin Cam		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	82.55 mm	Max allowed:	84.05 mm
Stroke - original:	73.0 mm	Max allowed:	73.0 mm
Capacity - original:	1558 cc	Max allowed:	1617 cc
Identifying marks:			
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Lotus		
No. of valves/cylinder:	Two	Inlet:	One
		Exhaust:	One
No. of ports total:	Eight	Inlet:	Four
		Exhaust:	Four
No. of ports total (Stromberg):	Six	Inlet:	Two
		Exhaust:	Four
No. of camshafts:	Two	Location:	Head
		Drive:	Chain
Valve actuation:	Overhead camshafts		
Spark plugs/cylinder:	One		
Identifying marks:			
Comments:	None		

2.3. LUBRICATION

Method:	Wet sump	Oil tank location:	N/A
Dry sump pump type:	N/A	Location:	N/a
Oil cooler standard:	No	Location:	N/A
Comments:	Oil cooler allowed		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor		
Make:	Lucas		
Comments:	None		

2.5. FUEL SYSTEM

Carburettor Make:	Weber	Model:	40DCOE
Carburettor Make:	Stromberg	Model:	176D25
Carburettor Make:	Dellorto	Model:	DHLA40
Carburettor Number:	Two		
Size:			
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Bore size unrestricted		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	203 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Type 2000E
Make:	Ford
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Floor remote
Case material:	Cast iron
Identifying marks:	
Comments:	Ratios free

3.3. FINAL DRIVE

Make:	Lotus	Model:	
Wheel drive method	Rear		
Ratios:	Various		
Differential type:	Hypoid bevel		
Comments:	Ratios free Limited slip differential allowed		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Halfshafts
Description:	Tubular with "Rotoflex" donut type universal joints
Comments:	C/V joints not allowed Hardy Spicer Type 26R drive shafts and universal joints allowed

3.5. WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Wheel type - Allowed:	Cast alloy	Material - Allowed:	Aluminium alloy
Fixture method:	Bolt on Centre lock	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4.5" x 13"		4.5" x 13"
	5.5" x 13"		5.5" x 13"
	6" x 13"		6" x 13"
Allowed	6" x 13"		6" x 13"
Tyre Section:			
Original:	5.20 x 13"		5.20 x 13"
Allowed:	175 x 13		175 x 13
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list. Rim size and tyre size limited to combination that will fit under standard wheel arch. Alloy wheel should be 4 spoke 26R tyre		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under boot	Capacity:	59 litres
Fuel pump, type:	Mechanical	Make:	AC
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Generator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Fixed head coupe 2 + 2	Material:	GRP
No. of seats:	Four	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1370 mm	Rear:	1397 mm
Wheelbase:	2438 mm	Overall length:	4286 mm
Dry weight:	946 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix