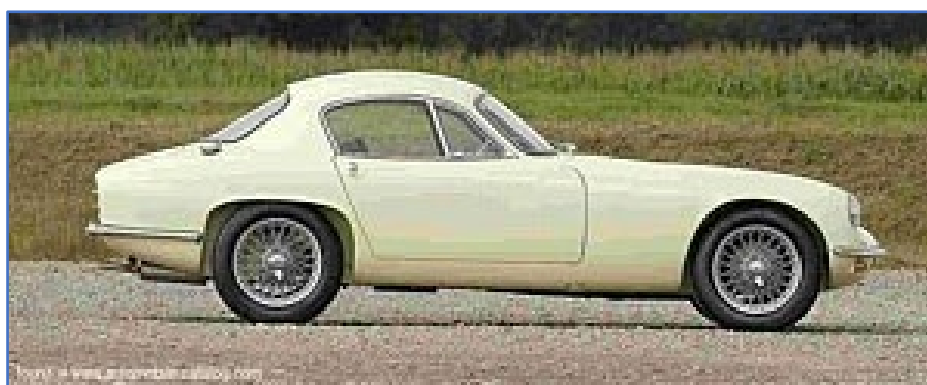




5TH CATEGORY - HISTORIC RACING
GROUP S
APPROVED VEHICLE SPECIFICATION

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:	Elite Series I Series II – Standard Series II – Stage II
Period of Original Manufacture:	1958 – 1963* As the standard car and Stage II versions were built in quantities as road cars, they are eligible as Group Sa sports cars irrespective of whether they are Series I or Series II irrespective of their actual production date		
Motorsport Australia Historic Group:	Sa		
Date of Issue of this Document:	31/12/2024		



Update Log

30/6/2022	Document layout
31/12/2024	Inclusion of kerb and minimum racing weights

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Monocoque coupe
Period of Manufacture:	1958 - 1963
Manufacturer:	Lotus
Chassis Number From:	Series I - 1001 – 1280 Series II – Standard – EB1251 – EB2000 Series II – Stage II – EB1251 – EB2000
Chassis Number location:	Plate fixed above footwell in the engine compartment (RH drive)
Material:	Fibreglass
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 Series I – single radius rod Series II -triangle radius rod		
Spring Medium:	Coil		
Damper Type:	Tubular, integral with hub	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	241 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:	No	
Comments:	Dual master cylinder allowed Servo allowed	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Coventry Climax		
Model:	FWE		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Alloy	Two/Four Stroke:	Four
Bore - Original:	76.2 mm	Max allowed:	77.7 mm
Stroke - original:	66.68 mm	Max allowed:	66.68 mm
Capacity - original:	1216 cc	Max allowed:	1264 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 camshafts:	One	Location: Head	Drive: Chain
Valve actuation:	Overhead camshaft		
Spark plugs/cylinder:	One		
Identifying marks:			
Comments:	Alloy head		

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 – Stage I:	SU	Model:	H4
Carburettor Number:	One		
Carburettor Make – Stage II:	SU	Model:	H4
Carburettor Number:	Two		
Size:	1 ½"		
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:	4 speed manual
Make:	Series I - Stage I - BMC B Series Series I - Stage II – MGA Series II - Stage II - BMC B Series Stage II – Stage II - ZF
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 BMC	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:	Wire	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 15"		4.5" x 15"
Allowed	5" x 15"		5" x 15"
	5" x 14"		5" x 14"
Tyre Section:			
Original:	450 x 15"		450 x 15"
Allowed:			
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.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	In the boot	Capacity:	35 litres
Fuel pump, type:	Stage I – Mechanical Stage II - Electric	Make:	SU
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Generator
Battery Location:	In the boot		
Comments:	None		

4.3. BODYWORK

Type:	Coupé	Material:	GRP
No. of seats:	Two	No. doors:	Two
Comments:	Series I - Body by Maximer. Series II – Body by Bristol. Hardtop allowed		

4.4. DIMENSIONS

Track - Front:	1193 mm	Rear:	1193 mm
Wheelbase:	2240 mm	Overall length:	3759 mm
Approved Manufacturer's kerb weight:	670 kg		
Approved minimum racing weight:	596 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

5TH CATEGORY - HISTORIC CARS
VEHICLE DESCRIPTION FORM

This form must accompany all applications for Log Books for Historic Cars

It is designed to provide information so that the car may be properly classified and to provide a permanent record of each vehicle in Historic Racing. Page 3 of this form will also provide information for programmes and commentators.

1. BASIC DATA

- 1.1 Make: LOTUS Model: ELITE Year: 1957-1964
 1.2 Special or identifying name: SERIES 1 (Singer 1 or 2)
 1.3 Year car now represents: 1957-1964 Group: LA
 1.4 Year car was built in present form:
 1.5 Racing: Sports: Production Sports: ☒ Touring:

2. HISTORIC DATA

of vehicle as at 1.3 date

- (a) Provide documentation of the specification of the vehicle at the date you wish it to represent (as indicated in 1.3)/ (e.g. letter from original constructor copies of magazine articles, photos, manufacturing drawings, etc.)
- (b) In each section below state any items of the vehicle's specification which is now different to the specification as at the date shown in 1.3, giving major details or original specification.
- (c) Photos - include 3/4 front and 3/4 rear views of vehicle at 1.3 date, together with current photos for Log Book.

2.1 Chassis

Number: 1001-1280, EB1250-EB2000 Make: LOTUS ELITE
 Brief Description: MONOCOQUE COUPE
 Material: FIBRE GLASS
 Wheelbase: 88 1/4" Front track: 47" Rear track: 48 1/4" mm

2 Front Suspension

Brief Description: I.F.S. TWIN LINKSOME with roll bar
 Spring Type: COIL Damper Type: TORBAR
 Changes from 1.3 date:

2.3 Rear Suspension

Brief Description: *IRS Chapman Street Series I Single radius rod. Series II Triangle radius rod.*
 Spring Type: *Coil* Damper Type: *TUBULAR, INTERWEAVE WITH HUBS.*
 Changes from 1.3 date:

2.4 Brakes

Make Front: *Girling AR* Rear: *Girling VR*
 Brief Description: *JSC FRONT + REAR (INBOARD)*
 Size (Dia x width) Front: *9 1/2"* X..... Rear: *9 1/2"* X.....
 Actuation: *HYDRAULIC* -

Changes from 1.3 date:

2.5 Steering:

Make: *ALFORD + MCB* Type: *R&P.*
 Changes from 1.3 date:

2.6 Wheels & Tyres

Wheel Type: *WIRE K.O.* Diameter: *15"*
 Rim Width Front: *4 1/2"* Rear: *4 1/2"*
 Tyre Size Front: *490 X 15* Rear: *490 X 15*
 Aspect Ratio Front: *70+* Rear: *70+*
 Changes from 1.3 date:

2.7 Engine

Number: Make: *COVENTRY CORNUAK FWE*
 Brief Description: *4 cylinder in line, water cooled alloy block & head.*
 Date of Manufacture: *1957 - 1964*
 Capacity at 1.3 date: *1220* cc Now: *1220* cc.
 Ignition Type: *COIL*
 Lubrication Method: *PRESSURE LIFT SUMP* Oil Cooler Fitted: *YES/NO*
 Supercharged: *YES/NO* Type:
 Carburettors/~~Injection~~ System: Make, Type and No. of:
STAGE I Single SU H4 1 1/2" STAGE II TUNIS SU H4 1 1/2"
 Fuel System Type (Mechanical Pump Gravity, etc.): *ST I MECH. PUMP. ST II ELECTRIC SU.*
 Changes from 1.3 date:

2.8 Transmission

Brief Description: *Alloy case 4 speed with remote.*
 Gearbox Make: *Borg & Beck* Manufacture Date: *1957-1964*
 No. of Forward Ratios: *4*
Differential/R Axle Assy. Make: *Lotus Borg* Manufacture Date: *1957-64*
 Limited Slip: *YES*/NO If Yes, Type:
 Clutch Type: *Borg & Beck* Diameter: *8"*
 Changes from 1.3 date:

2.9 Body

Brief Description: *Two seater coupe - monocoque.*
 Material: *FIBREGLASS*
 Date of Manufacture: *1957-1964*
 Seats, Trim and Instrumentation as per 1.3 date:
 External Body fittings, Grille, etc. as per 1.3 date:
 Is visual appearance as per 1.3 date?: YES/NO
 Colour: Change from 1.3 date:

3.

SAFETY EQUIPMENT

Fire Extinguisher Type: Location:
Seat Belt Type:
Roll Bar Fitted: YES/NO

4.

HISTORY OF CAR

Original Owner/Constructor: *LOTUS CARS LTD*
 Date Construction Started: *1957* Completed:
 First Competitive Event Date: Location:
 Subsequent Owners with period of ownership: *
For further info see ref. LOTUS ELITE - OSTERBURGER.
 Significant Competition Events (With dates and placings): *

5TH CATEGORY - HISTORIC CARS

VEHICLE DESCRIPTION FORM

This form must accompany all applications for Log Books for Historic Cars. It is designed to provide information so that the car may be properly classified and to provide a permanent record of each vehicle in Historic Racing. Page 3 of this form will also provide information for programmes and commentators.

1. BASIC DATA

- 1.1 Make: LOTUS Model: ELITE Year: 1958-1964
- 1.2 Special or identifying name: SENIOR 1 (STAGE III, SENIOR 95, 100 or 105 GT) *
- 1.3 Year car now represents: 1958-1964 Group: LB
- 1.4 Year car was built in present form: * or any Lotus Elite with a racing history prior to 31/12/80.
- 1.5 Racing: Sports: ☒ Production Sports: Touring: ☐

2. HISTORIC DATA

of vehicle as at 1.3 date

- (a) Provide documentation of the specification of the vehicle at the date you wish it to represent (as indicated in 1.3) / (e.g. letter from original constructor copies of magazine articles, photos, manufacturing drawings, etc.)
- (b) In each section below state any items of the vehicle's specification which is now different to the specification as at the date shown in 1.3, giving major details or original specification.
- (c) Photos - include 3/4 front and 3/4 rear views of vehicle at 1.3 date, together with current photos for Log Book.

2.1 Chassis

Number: 1007-1280 LB 1251-127000 Make: LOTUS ELITE

Brief Description: MONOCOQUE COUPE

Material: FIBREGLASS

Wheelbase: 88.2" Front track: 47" Rear track: 48 1/2"

2 Front Suspension

Brief Description: J.F.S. TWIN WISHBONE with roll bar

Spring Type: COIL Damper Type: TUBULAR (ADJUSTABLE)

Changes from 1.3 date:

2.3 Rear SuspensionBrief Description:..... IRS CHAPMAN STRUTSpring Type:..... COIL Damper Type:..... TUBULAR INTERLEAF WITH HUB

Changes from 1.3 date:.....

2.4 BrakesMake Front:..... GULING AR Rear:..... GULING NRBrief Description:..... Disc F+R (INBOARD)Size (Dia x width) Front:..... 9 1/2" X..... Rear:..... 9 1/2" X.....Actuation:..... HYDRAULIC

Changes from 1.3 date:.....

2.5 Steering:Make:..... ALFORD + ALDUR Type:..... R&P

Changes from 1.3 date:.....

2.6 Wheels & TyresWheel Type:..... LIKE K.O. Diameter:..... 15"Rim Width Front:..... 4 1/2" Rear:..... 4 1/2"Tyre Size Front:..... 500 x 15 (RS) Rear:..... 500 x 15 (RS)Aspect Ratio Front:..... 80% Rear:..... 80%

Changes from 1.3 date:.....

2.7 EngineNumber:..... Make:..... COVENTRY CLIMAXBrief Description:..... 4 cylinder, in line with water cooled alloyDate of Manufacture:..... 1964 - 1964Capacity at 1.3 date:..... 1220 cc Now:..... 1220 ccIgnition Type:..... COILLubrication Method:..... Pressure LIFT PUMP Oil Cooler Fitted: YES ~~NO~~Supercharged: ~~YES~~/NO Type:.....

Carburettors/Injection System: Make, Type and No. of:

..... with 2 x 1 1/2" H4 SU on 2 x 38 DEAS WEBBERSFuel System Type (Mechanical Pump Gravity, etc.):..... Direct SU

Changes from 1.3 date:.....

2.8 Transmission

Brief Description: Alloy case 4 speed with remote.
 Gearbox Make: Borg on ZF Manufacture Date: 1958-1964
 No. of Forward Ratios: 4
 Differential/R Axle Assy. Make: Lotus/Borg Manufacture Date: 1958-1964
 Limited Slip: YES/~~NO~~ If Yes, Type: ZF
 Clutch Type: Borg & Bull Diameter: 8"
 Changes from 1.3 date:

2.9 Body

Brief Description: TWO SEATER COUPE - MONO COUPE
 Material: FIBREGLASS
 Date of Manufacture: 1958-1964
 Seats, Trim and Instrumentation as per 1.3 date:
 External Body fittings, Grille, etc. as per 1.3 date:
 Is visual appearance as per 1.3 date?: YES/NO
 Colour: Change from 1.3 date:

3.

SAFETY EQUIPMENT

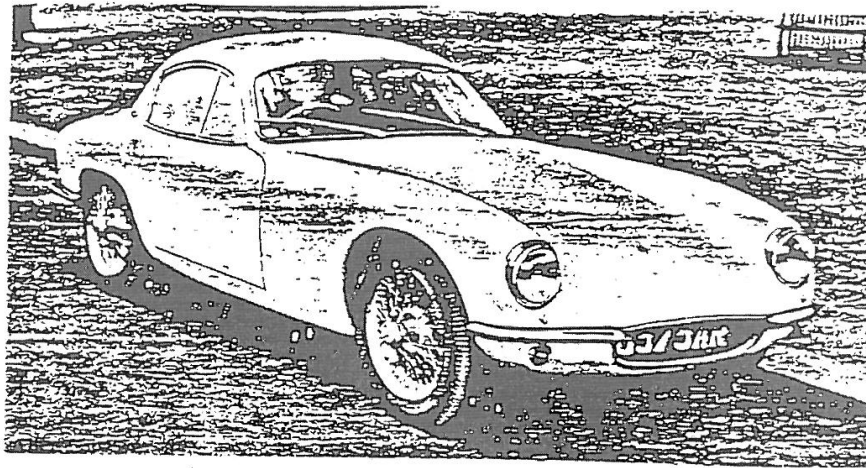
Fire Extinguisher Type: Location:
Seat Belt Type:
Roll Bar Fitted: YES/NO

4.

HISTORY OF CAR

Original Owner/Constructor: LOTUS CARS LTD.
 Date Construction Started: Completed:
 First Competitive Event Date: Location:
 Subsequent Owners with period of ownership: *

* In further info ref: LOTUS CLITE D. ORTON BURGESS.
 Significant Competition Events (With dates and placings): *



The following data indicates that Lotus Elites can either be classified under Group LA or LB depending on their history.

HISTORY

The first production Lotus Elite was delivered in December 1958 and the last in September 1963. During that period 1029 chassis body units were built probably resulting in about 1000 cars.

The Elite was available in Series I and Series II forms, with some minor variations, the major differences between Series I and Series II were:-

Series I had bodies by Maximer with a single tube lower radius arm on the rear suspension. Identified by chassis numbers F1001 to F1280.

Series II had bodies by Bristol and used a triangulated lower radius arm on the rear suspension and had minor trim and component detail changes.

Identified by chassis numbers EB1251 to EB2000.

Early Series I cars had alloy brake callipers front and rear using Girling AR and NR units respectively. Later models usually had Girling steel callipers but the stage two performance option cars were fitted with the lighter alloy units.

All Elites were available in three performance options:

Standard Car: Single S.U. carburettor, cast exhaust manifold, Firestone, Michelin or Pirelli tyres, usually steel callipers, standard BMC B Series gearbox

Stage II: Twin 1½" S.U. carburettors either cast or extractor manifold, close ratios gears in BMC gearbox or later ZF gearbox, alloy brake callipers, limited slip differential was an option.

Stage III: (Later known as Super 95, 100 or 105GT)
Full race Cosworth prepared Climax FWE engine with twin 38DCOE Weber carburettors, extractor manifold, 5 bearing cam etc., alloy brake callipers and usually Dunlop R5 tyres.

As the standard car and Stage II versions were built in quantities as road cars, they are therefore eligible as Group LA sports cars irrespective of whether they are Series I or II and irrespective of the actual production date. Genuine Stage III cars and Elites with a racing history (WUU2 etc.) are classified as Group LB.

CAMS CORRESPONDENCE

Refer correspondence between A. Caldersmith and CAMS 2/7/80.

REFERENCES

Lotus Elite by Dennis Ortenburger (Newport Press) - excellent detailed technical information and illustrations, full list of chassis numbers with original purchasers name.

Lotus Elite Workshop Manual published by Lotus Cars Limited..

The Autocar - 27th May, 1960 - Lotus Road Test - Page 861-865.

LOGBOOK HOLDERS

Matt Carroll (WUU2)	Group LB
Spencer Bates	Group LA
John Caffin	Group LA.