



5TH CATEGORY - HISTORIC RACING GROUP S APPROVED VEHICLE SPECIFICATION
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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:	Europa Series 1 – Type 46 Series 2 – Type 54
Period of Original Manufacture:	Series 1 – 1966 – 1968 Series 2 – 1969 - 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:	Series 1 – 1966 – 1968 Series 2 – 1969 - 1971
Manufacturer:	Lotus
Chassis Number From:	46/001 to 65/0001
Chassis Number location:	Firewall
Material:	Mild steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent front suspension – upper and lower wishbones		
Spring Medium:	Coil over damper		
Damper Type:	Telescopic	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 – Radius arms and transverse driveshaft top link		
Spring Medium:	Coil over damper		
Damper Type:	Telescopic	Adjustable	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Camber adjustment only
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:	242 mm	203 mm x 37 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:	Dual	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Renault		
Model:	Series 1 - 697 (1470 cc) Series 2 - 881 (1565 cc)		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Alloy	Two/Four Stroke:	Four
Bore – Original - 697:	76 mm	Max allowed:	77.5 mm
Stroke - original - 697:	81 mm	Max allowed:	81 mm
Capacity - original - 697:	1470 cc	Max allowed:	1526 cc
Bore - Original - 881:	77 mm	Max allowed:	78.5 mm
Stroke - original - 881:	84 mm	Max allowed:	84 mm
Capacity - original - 881:	1565 cc	Max allowed:	1626 cc
Identifying marks:			
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Renault		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	One	Location: Block	Drive: Chain
Valve actuation:	Pushrod		
Spark plugs/cylinder:	One		
Identifying marks:			
Comments:	Crossflow TS cylinder head not approved		

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:	Ducellier		
Comments	None		

2.5. FUEL SYSTEM

Carburettor Make – Stage III:	Solex	Model:	Dual choke
Carburettor Number:	One		
Size:	S/M - 37 mm H/T – 46 mm		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Twin carburettors not approved		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Ferodo
Type:	Diaphragm
Diameter:	200 mm
No. of Plates:	One
Actuation:	Cable
Comments:	None

3.2. TRANSMISSION

Type:	Renault
Make:	Renault
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:	Renault	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:	Solid
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Wheel type - Allowed:	Cast alloy	Material - Allowed:	Aluminium alloy
Fixture method:	Bolt on	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4.5" x 13"		4.5" x 13"
Allowed	6" x 13"		6" x 13"
Tyre Section:			
Original:	155 x 13		155 x 13
Allowed:	185 x 13		185 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 wheels should be Minilite or Cosmic type		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Side mounted	Capacity:	2 x 20 litres
Fuel pump, type:	Mechanical	Make:	AC
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Alternator SEV Motorola A1230
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Fixed head Coupe	Material:	GRP
No. of seats:	Two	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1350 mm	Rear:	1350 mm
Wheelbase:	2310 mm	Overall length:	3970 mm
Dry weight:	Series 1 – 620 kg Series 2 – 663 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 (Stage 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, EB125A-EB2000 Make: LOTUS ELITE

Brief Description: MONOCOQUE COUPE

Material: FIBRE GLASS

Wheelbase: 88 1/2" Front track: 47" Rear track: 48 1/2"

2 Front Suspension

Brief Description: I.F.S. TWIN LINKSOME with roll bar

Spring Type: COIL Damper Type: TUBULAR

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, INTEGRAL WITH HUBS.*
 Changes from 1.3 date:

2.4 Brakes
 Make Front: *GOULING RR* Rear: *GOULING RR*
 Brief Description: *JWSC 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 + ADBER* 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 CORONA FWE*
 Brief Description: *4 cylinders 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* or ZF 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 - OAKENBURG.

Significant Competition Events (With dates and placings):*

Y11

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: SERIES 1 (STAGE III, SUPER 95, 100 or 105 cc) *
- 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 31/12/60.
- 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 1/2" 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 Suspension

Brief Description:..... 1RS CHAMPION STRUT
Spring Type:..... COIL Damper Type:..... TUBULAR INTERLEAF WITH HUB
Changes from 1.3 date:.....

2.4 Brakes

Make Front:..... GULLING AR Rear:..... GULLING NR
Brief 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 + AIDUN Type:..... R&P
Changes from 1.3 date:.....

2.6 Wheels & Tyres

Wheel 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 Engine

Number:..... Make:..... COUNTRY CLIMAX
Brief Description:..... 4 cylinder, in line water cooled alloy
Date of Manufacture:..... 1968 - 1964
Capacity at 1.3 date:..... 1220 cc Now:..... 1220 cc
Ignition Type:..... COIL
Lubrication Method:..... PRESSURE LET SUAP 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 WEBBERS
Fuel System Type (Mechanical Pump Gravity, etc.):..... ELECT. SU
Changes from 1.3 date:.....

2.8 Transmission

Brief Description: Alloy case 4 speed with remote.
 Gearbox Make: Bone on ZF Manufacture Date: 1958-1964
 No. of Forward Ratios: 4
 Differential/R Axle Assy. Make: Lotus/Bone Manufacture Date: 1958-1964
 Limited Slip: YES NO If Yes, Type: ZF
 Clutch Type: Garrett/Bone 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

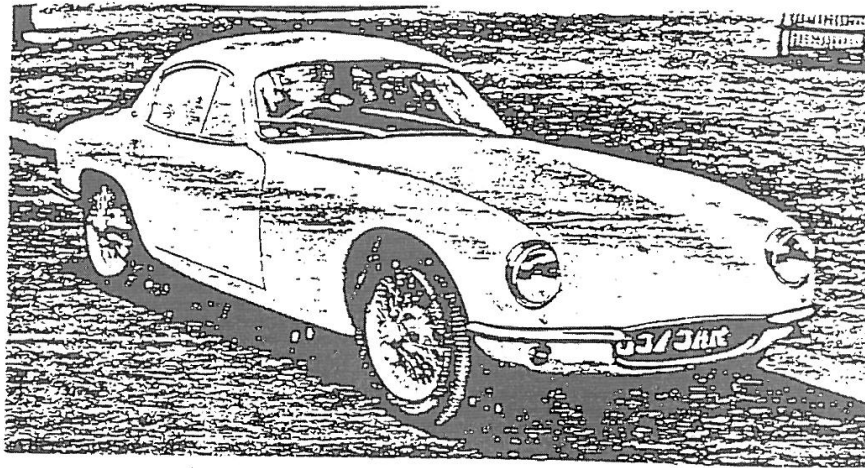
Fire Extinguisher Type: Location:
Seat Belt Type:
Roll Bar Fitted: YES/NO

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: *

* For further info refer: LOTUS CLIVE D. ORTON BURGER.

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.