

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:	Elva	Model:	Courier - Mark 1 Courier - Mark 2
Period of Original Manufacture:	1958 – 1961		
Motorsport Australia Historic Group:	Sa		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Twin tube ladder frame		
Period of Manufacture:	1958 – 1961		
Manufacturer:	Elva Cars Ltd		
Chassis Number From:	100 -1 – R/L		
Chassis Number location:	LH Firewall/Footbox		
Material:	Mild steel		
Comments	None		

1.2. FRONT SUSPENSION

Description:	Independent front suspension – Twin wishbone		
Spring Medium:	Coil		
Damper Type:	Tubular	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Shims
Comments:	Spring rates and ride height free		

1.3. REAR SUSPENSION

Description:	Live axle, Radius arms and Panhard rod		
Spring Medium:	Coil		
Damper Type:	Tubular	Adjustable	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	MGA and BMC A series axles used. Spring rates and ride height free		

1.4. STEERING

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

1.5. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	228.6 mm	216 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Lockheed	
Caliper type:		
Material:	Cast iron	
Master cylinder make:	Girling/Lockheed	
Type:	Twin	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	MGA		
Model:	1500 1600		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – Original - 1500:	73.025 mm	Max allowed:	77.2 mm
Stroke – original - 1500:	88.9 mm	Max allowed:	88.9 mm
Capacity – original - 1500:	1489 cc	Max allowed:	1667 cc
Bore – Original - 1600:	75.4 mm	Max allowed:	77.2 mm
Stroke – original - 1600:	88.9 mm	Max allowed:	88.9 mm
Capacity – original - 1600:	1558 cc	Max allowed:	1667 cc
Identifying marks:	Basic capacity on side of block		
Cooling method:	Liquid		
Comments:	1620 and 1622 BMC blocks allowed		

2.2. CYLINDER HEAD

Make:	MGA		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Five	Inlet: Two	Exhaust: Three
No. of camshafts:	One	Location: Overhead valve	Drive: Chain
Valve actuation:	Pushrod		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
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:	None		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	SU	Model:	H4
Carburettor Number:	Two		
Size:	1 ½"		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Size unrestricted		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

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

3.2. TRANSMISSION

Type:	MGA
Make:	N/A
Gearbox location:	Bolted to engine
No. forward speeds:	Four
Gearchange type and location:	Floor remote
Case material:	Alloy
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	MGA BMC "A" series	Model:	N/A
Wheel drive	Rear		
Ratios:	Free		
Differential type:	Free/Spin resistant allowed		
Comments:	None		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to rear axle
Description:	Tubular with two Hardy Spicer universal joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Mild steel
Wheel type - Allowed:	Disc	Material - Allowed:	Mild steel
Fixture method:	Bolt	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4" x 14"		4" x 14"
Allowed	5" x 14"		5" x 14"
Tyre Section:			
Original:	520 x 14"		520 x 14"
Allowed:	185 x 14"		185 x 14"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Behind cockpit	Capacity:	25 litres
Fuel pump, type:	Electric	Make:	SU
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Generator
Battery Location:	Boot		
Comments:	None		

4.3. BODYWORK

Type:	Open 2 seater sports	Material:	Fibreglass
No. of seats:	Two	No. doors:	Two
Comments:	Period tonneau allowed		

4.4. DIMENSIONS

Track - Front:	1270 mm	Rear:	1270 mm
Wheelbase:	2286 mm	Overall length:	3912 mm
Dry weight:	1300 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix