



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:	GSM	Model:	1500 R
Period of Original Manufacture:	1963 - 1964		
Motorsport Australia Historic Group:	Sb		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Steel tube/fibreglass
Period of Manufacture:	1963 – 1964
Manufacturer:	GSM
Chassis Number From:	6301 – 6410
Chassis Number location:	Front upper suspension cross member
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Transverse leaf – lower wishbone		
Spring Medium:	Leaf spring		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height unrestricted		

1.3. REAR SUSPENSION

Description:	Parallel trailing links with 'A' bracket		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height unrestricted		

1.4. STEERING

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

1.5. BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	241.3 mm	203.2 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:		
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Dual master cylinders permitted Servo allowed	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Ford		
Model:	Kent 120E & 122E		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – original:	80.96 mm	Max allowed:	82.46 mm
Stroke – original:	72.75 mm	Max allowed:	72.75 mm
Capacity – original:	1498 cc	Max allowed:	1554 cc
Identifying marks:	Nil		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Ford		
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:	Overhead valve		
Spark plugs/cylinder:	One		
Identifying marks:	Nil		
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:	36DCOE
Carburettor Number:	Two		
Size:	Carburettor choke size free		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	184 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

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

3.3. FINAL DRIVE

Make:	Ford	Model:	Cortina
Type	Live rear axle		
Wheel drive:	Rear		
Ratios:	3.9		
Differential type:	Free		
Comments:	Ratios free Limited slip differential permitted		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Tailshaft
Description:	Tubular with universal joints
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:	5.2" x 13"		5.2" x 13"
Allowed	6" x 13"		6" x 13"
Tyre Section:			
Original:	13" x 5.20		13" x 5.20
Allowed:	13" x 185/60		13" x 185/60
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 type		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Front of boot	Capacity:	23 litres
Fuel pump, type:	Mechanical	Make:	Ford
Comments:	Fuel pump free		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Open sports	Material:	Fibreglass
No. of seats:	Two	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1245 mm	Rear:	1245 mm
Wheelbase:	2210 mm	Overall length:	3683 mm
Dry weight:	618 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix