



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:	Marcos	Model:	GT 1300
Period of Original Manufacture:	1966 - 1971		
Motorsport Australia Historic Group:	Sb		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Monocoque body/Unitary Chassis		
Period of Manufacture:	1966 - 1971		
Manufacturer:	Marcos		
Chassis Number From:	4001		
Chassis Number location:	Firewall		
Material:	Fibreglass		
Comments	None		

1.2. FRONT SUSPENSION

Description:	Independent front suspension – twin wishbones		
Spring Medium:	Rubber cone		
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 free		

1.3. REAR SUSPENSION

Description:	Independent rear suspension, trailing arm		
Spring Medium:	Rubber cone		
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 free		

1.4. STEERING

Type:	Rack and pinion	Make:	BMC
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	190.5 mm	203 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Lockheed	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make:	Lockheed	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Twin master cylinder allowed	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	BMC		
Model:	"A" Series 9FSAY engine number prefix		
No. cylinders:	Four	Configuration:	In-line (transverse)
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – Original – B18:	70.61 mm	Max allowed:	72.11 mm
Stroke – original – B18:	81.28 mm	Max allowed:	*
Capacity – original – B18:	1273 cc	Max allowed:	1328 cc*
Identifying marks:	B18		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Volvo				
No. of valves/cylinder:	Two	Inlet:	One	Exhaust:	One
No. of ports total:	Five	Inlet:	Two	Exhaust:	Three
No. of camshafts:	One	Location:	Block	Drive:	Chain
Valve actuation:	Overhead valve				
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:	SU	Model:	HS2
Carburettor Number:	Two		
Size:	1 ¼"		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Single 45DCOE Weber allowed. SU Bore size unrestricted		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	180 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	BMC
Make:	Mini Cooper
Gearbox location:	Integral with engine
No. forward speeds:	Four
Gearchange type and location:	Floor remote
Case material:	Alloy
Identifying marks:	
Comments:	Ratios free

3.3. FINAL DRIVE

Make:	BMC	Model:	Mini Cooper
Wheel drive method:	Front		
Ratios:	Various		
Differential type:	Free (Open) Helical spur gear		
Comments:	Ratios free Limited slip differential allowed		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Transmission to wheels
Description:	Solid
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel Alloy
Wheel type - Allowed:	Cast alloy	Material - Allowed:	Aluminium Alloy
Fixture method:	Bolt on	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4" x 10"		4" x 10"
Allowed	5" x 10"		5" x 10"
Tyre Section:			
Original:	5.20 x 10		5.20 x 10
Allowed:	175 x 10		175 x 10
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list. Rim size and tyre limited to combination that will fit under standard wheel arch. Alloy wheels should be 4 spoke Minilite or Marcos type		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	In boot	Capacity:	37 litres
Fuel pump, type:	Electrical	Make:	
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Generator Alternator
Battery Location:	Boot		
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:	1205 mm	Rear:	1164 mm
Wheelbase:	2032 mm	Overall length:	3467 mm
Dry weight:	535 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix