



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:	MG	Model:	MGB MGB GT
Period of Original Manufacture:	1974 - 1980		
Motorsport Australia Historic Group:	Sc		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Two door uni body
Period of Manufacture:	1974 – 1980
Manufacturer:	MG Car Company
Chassis Number From:	G/HN3 101
Chassis Number location:	RH front wheel arch
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent with upper and lower wishbones		
Spring Medium:	Coil		
Damper Type:	Armstrong – lever arm	Adjustable:	No
Anti-sway bar:	Fitted	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride heights may be adjusted		

1.3. REAR SUSPENSION

Description:	Live axle with quarter elliptic springs and upper radius		
Spring Medium:	Semi elliptic leaf		
Damper Type:	Armstrong – lever arm	Adjustable	No
Anti-sway bar:	From 1977*	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	* All years (74 to 80) allowed to fit sway bar. Spring rates and ride heights may be adjusted		

1.4. STEERING

Type:	Rack and pinion	Make:	MGA
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	273 mm x 8.76 mm	254 mm x 43 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Lockheed	
Caliper type:	Solid	
Material:	Cast iron	
Master cylinder make:	Lockheed	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	BMC		
Model:	"B" Series		
Engine range	18G, 18GA, 18GB, 18GD, 18GG & 18V		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – Original:	80.264 mm	Max allowed:	81.764 mm
Stroke – original:	88.9 mm	Max allowed:	88.9 mm
Capacity – original:	1799 cc	Max allowed:	1867 cc
Identifying marks:	1800 on side of block		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	BMC		
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:	Pushrod and rocker		
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:	When fitting an oil cooler the location is restricted to above or below radiator duct panel.		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	SU Stromberg	Model:	HS4
Carburettor Number:	Two		
Size:	1 ½"		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	SU choke size is free, or one 45 DOCE Weber permitted		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	203 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	Clutch & method of actuation are free

3.2. TRANSMISSION

Type:	Synchromesh or Auto
Make:	MG Borg Warner
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Remote floor
Case material:	Cast iron
Identifying marks:	
Comments:	Overdrive optional on manual

3.3. FINAL DRIVE

Make:	MG	Model:	"B" series, Banjo or Salisbury
Type	Live axle		
Wheel drive method	Rear		
Ratios:	Free		
Differential type:	Free/Open		
Comments:	Limited slip differential or Locker permitted		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to final drive
Description:	Tubular with universal joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc Wire spoke	Material - Original:	Steel
Wheel type - Allowed:	Pressed steel Wire spoke	Material - Allowed:	Steel
Fixture method:	Centre nut Studs	No. studs:	4
Wheel dia. & rim width	FRONT		REAR
Original:	4" x 14" 4 ½" x 14"	4" x 14" 4 ½" x 14"	
Allowed	6" x 14"		6" x 14"
Tyre Section:			
Original:	185 - 14"		185 - 14"
Allowed:			
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under boot	Capacity:	40 litres
Fuel pump, type:	Electrical	Make:	SU
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Alternator
Battery Location:	Engine bay		
Comments:	Two six volt, behind seats, Single 12 Volt battery permitted. Period Bosch alternator (same dimensions) allowed replacing Lucas unit		

4.3. BODYWORK

Type:	Closed or Open	Material:	Steel with Aluminium bonnet
No. of seats:	Two	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1247 mm	Rear:	1251 mm
Wheelbase:	2311 mm	Overall length:	3891 mm
Dry weight:	972 kg (Roadster) 1108 kg (GT)		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix