



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:	MGC MGC GT
Period of Original Manufacture:	1967 - 1969		
Motorsport Australia Historic Group:	Sb		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Two door uni body
Period of Manufacture:	1967 - 1969
Manufacturer:	MG Car Company
Chassis Number From:	G/CN101-9099 (Roadster) G/CN110-9102 (GT)
Chassis Number location:	RH front wheel arch
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent with upper and lower wishbones		
Spring Medium:	Torsion bar		
Damper Type:	Telescopic	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:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride heights may be adjusted		

1.4. STEERING

Type:	Rack and pinion	Make:	BMC
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	280 mm x 12.7 mm	228 mm x 57.15 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:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	BMC		
Model:	"C" Series		
No. cylinders:	Six	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – Original:	83.34 mm	Max allowed:	84.84 mm
Stroke – original:	89 mm	Max allowed:	89 mm
Capacity – original:	2910 cc	Max allowed:	3015 cc
Identifying marks:	29G		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	BMC		
No. of valves/cylinder:	Two	Inlet:	One
		Exhaust:	One
No. of ports total:	Twelve	Inlet:	Six
		Exhaust:	Six
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	Model:	HS6
Carburettor Number:	Two		
Size:	1 ¾"		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	SU choke size is free		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	229 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	Clutch & method of actuation are free

3.2. TRANSMISSION

Type:	Synchromesh
Make:	BMC
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Remote floor
Case material:	Aluminium alloy and steel
Identifying marks:	
Comments:	Overdrive optional

3.3. FINAL DRIVE

Make:	MG	Model:	"C" series, 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:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	5" x 15"		5" x 15"
Allowed	6" x 15"		6" x 15"
Tyre Section:			
Original:	195 - 15"		195 - 15"
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:	45 litres
Fuel pump, type:	Electrical	Make:	SU
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Alternator
Battery Location:	Behind seats		
Comments:	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:	Aluminium bonnet permitted		

4.4. DIMENSIONS

Track - Front:	1273 mm	Rear:	1251 mm
Wheelbase:	2311 mm	Overall length:	3890 mm
Dry weight:	1101 kg (Roadster) 1144 kg (GT)		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix

GENEALOGY - MG MGB & MGBGT

- 9/1962** *Model Introduced. 3 main bearing engine. Pull door handles.
Chassis from G/HN3 – 101>>>*
- 1963** *Laycock de-Normanville O/D optional. From chassis # G/HN3 – 4547*
- 10/1964** *5 main bearing engine introduced. (Nov). GT introduced.*
- 1/1968** *(Mk.2) O/D standard.*
- 9/1968** *All synchro. gearbox introduced.*
- 7/1970** *Australian assembled. MGB “L” introduced. Black painted grille.*
- 1973** *Model discontinued.*