



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.

<b>Make of Car:</b>	MG	<b>Model:</b>	MGB MGB GT
<b>Period of Original Manufacture:</b>	MGB – 1962 – 1973 MGB GT – 1965 - 1980		
<b>Motorsport Australia Historic Group:</b>	Sb		
<b>Date of Issue of this Document:</b>	30/6/2022		



***Update Log***

30/6/2022	Document layout

## SECTION 1 - CHASSIS

### 1.1. CHASSIS

<b>Description:</b>	Two door uni body
<b>Period of Manufacture:</b>	MGB – 1962 – 1973 MGB GT – 1965 - 1980
<b>Manufacturer:</b>	MG Car Company
<b>Chassis Number From:</b>	1500 – 110101 - 68850 1600 – 68851 - 100351
<b>Chassis Number location:</b>	RH front wheel arch
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.2. FRONT SUSPENSION

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

### 1.3. REAR SUSPENSION

<b>Description:</b>	Live axle with quarter elliptic springs and upper radius		
<b>Spring Medium:</b>	Semi elliptic leaf		
<b>Damper Type:</b>	Armstrong – lever arm	<b>Adjustable</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	Spring rates and ride heights may be adjusted		

### 1.4. STEERING

<b>Type:</b>	Rack and pinion	<b>Make:</b>	MGA
<b>Comments</b>	None		

### 1.5. BRAKES

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

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	BMC		
<b>Model:</b>	"B" Series		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore – Original:</b>	80.264 mm	<b>Max allowed:</b>	81.764 mm
<b>Stroke – original:</b>	88.9 mm	<b>Max allowed:</b>	88.9 mm
<b>Capacity – original:</b>	1799 cc	<b>Max allowed:</b>	1867 cc
<b>Identifying marks:</b>	1800 on side of block		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	BMC		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b>	One
		<b>Exhaust:</b>	One
<b>No. of ports total:</b>	Five	<b>Inlet:</b>	Two
		<b>Exhaust:</b>	Three
<b>No. of camshafts:</b>	One	<b>Location:</b>	Block
		<b>Drive:</b>	Chain
<b>Valve actuation:</b>	Pushrod and rocker		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	12H1670		
<b>Comments:</b>	None		

### 2.3. LUBRICATION

<b>Method:</b>	Wet sump	<b>Oil tank location:</b>	N/A
<b>Dry sump pump type:</b>	N/A	<b>Location:</b>	N/A
<b>Oil cooler standard:</b>	No	<b>Location:</b>	N/A
<b>Comments:</b>	When fitting an oil cooler the location is restricted to above or below radiator duct panel.		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Points, Coil and Distributor
<b>Make:</b>	Lucas or Bosch
<b>Comments:</b>	None

### 2.5. FUEL SYSTEM

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

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

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

**3.2. TRANSMISSION**

<b>Type:</b>	Synchromesh, all gears after September 1968
<b>Make:</b>	MG
<b>Gearbox location:</b>	Behind engine
<b>No. forward speeds:</b>	Four
<b>Gearchange type and location:</b>	Remote floor
<b>Case material:</b>	Aluminium alloy
<b>Identifying marks:</b>	
<b>Comments:</b>	Overdrive optional from 1963, standard from Mk2 model in 1968. Fully synchromesh gear box & overdrive allowed on all models

**3.3. FINAL DRIVE**

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

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	One
<b>Location:</b>	Gearbox to final drive
<b>Description:</b>	Tubular with universal joints
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

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

## SECTION 4 GENERAL


### 4.1. FUEL SYSTEM

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

### 4.2. ELECTRICAL SYSTEM

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

### 4.3. BODYWORK

<b>Type:</b>	Closed or Open	<b>Material:</b>	Steel with Aluminium bonnet
<b>No. of seats:</b>	Two	<b>No. doors:</b>	Two
<b>Comments:</b>	<p>"Short" type hardtop permitted.</p>  <p>Front apron allowed two slots or none. Aluminium bonnet permitted</p>		

### 4.4. DIMENSIONS

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

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**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.*