



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 V8
<b>Period of Original Manufacture:</b>	1972 - 1976		
<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>	1972 – 1976		
<b>Manufacturer:</b>	MG Car Company		
<b>Chassis Number From:</b>	GD2D1- 101 to 2903		
<b>Chassis Number location:</b>	RH front firewall		
<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>	Yes	<b>Method:</b>	Offset bushes
<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>	Telescopic dampers permitted Spring rates and ride heights may be adjusted		

### 1.4. STEERING

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

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Rover		
<b>Model:</b>			
<b>No. cylinders:</b>	Eight	<b>Configuration:</b>	Vee
<b>Cylinder Block-material:</b>	Aluminium alloy	<b>Two/Four Stroke:</b>	Four
<b>Bore – Original:</b>	88.9 mm	<b>Max allowed:</b>	90.4 mm
<b>Stroke – original:</b>	71.12 mm	<b>Max allowed:</b>	71.12 mm
<b>Capacity – original:</b>	3532 cc	<b>Max allowed:</b>	3651 cc
<b>Identifying marks:</b>	LHS of engine bay Prefix 486		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Rover		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b> One	<b>Exhaust:</b> One
<b>No. of ports total:</b>	Eight	<b>Inlet:</b> Four	<b>Exhaust:</b> Four
<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>			
<b>Comments:</b>	Aluminium alloy		

### 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>	HIF16
<b>Carburettor Number:</b>	Two		
<b>Size:</b>	1 ¾"		
<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. HD or HS8 allowed to replace HIF type		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Borg and Beck
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	241 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
<b>Make:</b>	MG (BMC "B" Series) MOWOG with serial No. prefixed with "A"
<b>Gearbox location:</b>	Behind engine
<b>No. forward speeds:</b>	Four + overdrive
<b>Gearchange type and location:</b>	Remote floor
<b>Case material:</b>	Alloy
<b>Identifying marks:</b>	
<b>Comments:</b>	Overdrive optional

**3.3. FINAL DRIVE**

<b>Make:</b>	MG	<b>Model:</b>	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 Aluminium alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	4
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	5" x 14"		5" x 14"
<b>Allowed</b>	5" x 14" 5" x 15"		5" x 14" 5" x 15"
<b>Tyre Section:</b>			
<b>Original:</b>	185 - 14"		185 - 14"
<b>Allowed:</b>	205/60 14 205/60 15		205/60 14 205/60 15
<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.		

### 4.3. BODYWORK

<b>Type:</b>	GT Coupe	<b>Material:</b>	Steel
<b>No. of seats:</b>	2 + 2	<b>No. doors:</b>	Two
<b>Comments:</b>	None		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1244 mm	<b>Rear:</b>	1250 mm
<b>Wheelbase:</b>	2315 mm	<b>Overall length:</b>	3900 mm
<b>Dry weight:</b>	1108 Kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix**