



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 V8
Period of Original Manufacture:	1972 - 1976		
Motorsport Australia Historic Group:	Sb		
Date of Issue of this Document:	31/12/2024		



Update Log

30/6/2022	Document layout
31/12/2024	Inclusion of kerb and minimum racing weights

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Two door uni body
Period of Manufacture:	1972 – 1976
Manufacturer:	MG Car Company
Chassis Number From:	GD2D1- 101 to 2903
Chassis Number location:	RH front firewall
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:	Yes	Method:	Offset bushes
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:	Telescopic dampers permitted 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:	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:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

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

2.2. CYLINDER HEAD

Make:	Rover		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	One	Location: Block	Drive: Chain
Valve actuation:	Pushrod and rocker		
Spark plugs/cylinder:	One		
Identifying marks:			
Comments:	Aluminium alloy		

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:	HIF16
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. HD or HS8 allowed to replace HIF type		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	241 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	Clutch & method of actuation are free

3.2. TRANSMISSION

Type:	Synchromesh
Make:	MG (BMC "B" Series) MOWOG with serial No. prefixed with "A"
Gearbox location:	Behind engine
No. forward speeds:	Four + overdrive
Gearchange type and location:	Remote floor
Case material:	Alloy
Identifying marks:	
Comments:	Overdrive optional

3.3. FINAL DRIVE

Make:	MG	Model:	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 Aluminium alloy
Fixture method:	Studs	No. studs:	4
Wheel dia. & rim width	FRONT		REAR
Original:	5" x 14"		5" x 14"
Allowed	5" x 14"		5" x 14"
	5" x 15"		5" x 15"
Tyre Section:			
Original:	185 - 14"		185 - 14"
Allowed:	205/60 14		205/60 14
	205/60 15		205/60 15
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

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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.		

4.3. BODYWORK

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

4.4. DIMENSIONS

Track - Front:	1244 mm	Rear:	1250 mm
Wheelbase:	2315 mm	Overall length:	3900 mm
Approved Manufacturer's kerb weight:	1145 kg		
Approved minimum racing weight:	1057 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
