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:**	Midget Mark I Mark II Mark III
Period of Original Manufacture:	Mark I – 1961 – 1962 Mark II – 1963 – 1966 Mark III – 1966 - 1974		
Motorsport Australia Historic Group:	Sb		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary construction
Period of Manufacture:	Mark I – (948cc & 1098cc) – 1961 - 1962 Mark II – (1098cc) – 1963 - 1966 Mark III – (1275cc) 1966 –1974
Manufacturer:	BMC - Austin – Healey
Chassis Number From:	GAN1/…… up to and including GAN6/…… GAN1-L/…… up to and including GAN6-L/…… for left hand drive GAN4-U/….. up to and including GAN6-U/…… for North American cars after 1967 From 1969 onwards North American cars included an extra letter after the U to indicate the year of build, for example GAN6-UJ/…..
Chassis Number location:	Mark I, Mark II – plate attached to the sloping 'chassis' rail beneath the air filter Mark III - stamped into the driver's side front foot well just in front of the jacking cross member. For North American cars from January 1969 the chassis plate was riveted to the top of the scuttle adjacent to the windscreen demister slot on the driver's side. The number was also stamped into the front right hand shock absorber mounting just behind the shock absorber body. There is also a further plate riveted to the right hand B post door shut face. From the middle of 1969 the chassis plate was omitted altogether, the number was then stamped into the left hand upper foot well panel near the battery.
Material:	Steel
Comments	none

1.2. FRONT SUSPENSION

Description:	Independent by wishbones			
Spring Medium:	Coil			
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. Fitment of anti-sway bar permitted			

1.3. REAR SUSPENSION

Description:	Live rear axle			
Spring Medium:	Mark I & Mark II - Quarter elliptic Mark III – semi – elliptic			
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. Fore and Aft location allowed Telescopic dampers allowed			

1.4. STEERING

Type:	Rack and pinion	**Make:**	BMC
Comments	None		

1.5. BRAKES

	Front	**Rear**
Type – Mark I:	Drum	Drum
Dimensions:	178 mm x 32 mm	177 mm x 32 mm
Type – Mark II & III:	Disc	Drum
Dimensions:	210 mm mm	177 mm x 32 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Lockheed	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make:	Lockheed	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Dual or tandem master cylinders permitted. Servo permitted	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Austin Healey		
Model:	"A" series		
No. cylinders:	Four	**Configuration:**	In line
Cylinder Block-material:	Cast iron	**Two/Four Stroke:**	Four
Bore – Original – M I (948cc):	62.94 mm	**Max allowed:**	64.58 mm
Stroke – original – Mk I (998cc):	76 mm	**Max allowed:**	76 mm
Capacity – original Mark I (998cc):	948 cc	**Max allowed:**	994 cc
Bore – Original – M II (1098cc):	63 mm	**Max allowed:**	64.5 mm
Stroke – original – Mk II (1098cc):	83.7 mm	**Max allowed:**	83.7 mm
Capacity – original Mk II (1098cc):	1098 cc	**Max allowed:**	1149 cc
Bore – Original – Mk III (1275cc):	70.7 mm	**Max allowed:**	72.1 mm
Stroke – original – Mk III (1275cc):	81.3 mm	**Max allowed:**	81.3 mm
Capacity – original Mark III (1275cc):	1275 cc	**Max allowed:**	1328 cc
Identifying marks:			
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Austin Healey BMC "A" series				
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 rockers				
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:	Oil cooler allowed		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	SU	**Model:**	Hs2
Carburettor Number:	Two		
Size:	1.125"		
Fuel injection Make:	N/A	**Type:**	N/A
Supercharged:	No	**Type:**	N/A
Comments:	Carburettor bore sizes are free. Single Weber DCOE45 13 permitted. Two 1 ½" SU's allowed.		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Mk I - Coil spring Mk II – Coil spring Mk III - Diaphragm
Diameter:	Mk I - 156 mm Mk II – 184 mm Mk III – 159 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	Clutch and method of actuation are free

3.2. TRANSMISSION

Type:	4 speed syncromesh
Make:	BMC 'A' series
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Central Floor
Case material:	Aluminium
Identifying marks:	
Comments:	Ratios are free

3.3. FINAL DRIVE

Make:	BMC	**Model:**	BMC 'A' series
Ratios:	Various		
Differential type:	Free		
Comments:	Limited slip differential permitted. Ratios free		

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	**Material - Original:**	Steel
Wheel type - Allowed:	Period alloy	**Material - Allowed:**	Steel Period alloy
Fixture method:	Studs Knock off	**No. studs:**	Four

Wheel dia. & rim width	**FRONT**	**REAR**
Original:	Disc - 3.5" x 13" Wire – 4" x 13"	Disc - 3.5" x 13" Wire – 4" x 13"
Allowed	5" x 13"	5" x 13"
Tyre Section:		
Original:	5.20 x 13"	5.20 x 13"
Allowed:	165 x 13"	165 x 13"
Aspect ratio - minimum:	60% minimum aspect ratio.	
Comments:	Refer approved tyre list. Rim and tyre size limited to combination that will fit under standard wheel arch. Alloy wheels to be "Minilite" style	

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under boot floor	**Capacity:**	27.3 litres
Fuel pump, type:	Mechanical	**Make:**	AC
Comments:	Fuel pumps are free		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	**Alternator fitted:**	Mk I, Mk II - Generator Mk III - Alternator
Battery Location:	Between engine and scuttle		
Comments:	None		

4.3. BODYWORK

Type:	Open Sports	**Material:**	Steel
No. of seats:	Two	**No. doors:**	Two
Comments:	Hardtop allowed		

4.4. DIMENSIONS

Track - Front:	1160 mm	**Rear:**	1140 mm
Wheelbase:	2030 mm	**Overall length:**	3490 mm
Dry weight:	Mk I, Mk II - 635 kg Mk III – 685 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix