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:	Austin Healey	**Model:**	3000 Mark 1
Period of Original Manufacture:	March 1959 – February 1961		
Motorsport Australia Historic Group:	Sa		
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:	Steel Box section ladder frame with cruciform bracing
Period of Manufacture:	3000 Mark 2 – March 1961 - September 1963 3000 Mark 3/3A – October 1963 - March 1968
Manufacturer:	BMC
Chassis Number From:	13991>>>43025
Chassis Number location:	Firewall
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent front suspension, Upper and lower wishbone			
Spring Medium:	Coil			
Damper Type:	Armstrong – lever arm		**Adjustable:**	No
Anti-sway bar:	Yes		**Adjustable:**	Optional
Suspension adjustable:	No	**Method:**	N/A	
Comments:	Spring rates and ride heights may be adjusted			

1.3. REAR SUSPENSION

Description:	Live axle with Panhard rod			
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:	Cam and peg	**Make:**	Austin
Comments	None		

1.5. BRAKES

	Front	**Rear**
Type:	Disc	Drum
Dimensions:	280 mm	280 mm x 60 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Dual or tandem master cylinders permitted. Servo permitted	

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:	88.9 mm	**Max allowed:**	88.9 mm
Capacity - original:	2912 cc	**Max allowed:**	3052 cc
Identifying marks:			
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				
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:**	HS6 x 2
Carburettor Number:	Two		
Size:	2"		
Fuel injection Make:	N/A	**Type:**	N/A
Supercharged:	No	**Type:**	N/A
Comments:	Carburettor bore sizes are free.		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Dry plate
Diameter:	254 mm
No. of Plates:	One
Actuation:	Mechanical
Comments:	Clutch and method of actuation are free

3.2. TRANSMISSION

Type:	4 speed syncromesh (Laycock and de Normanville overdrive optional)
Make:	BMC
Gearbox location:	Behind engine
No. forward speeds:	Four + overdrive if fitted
Gearchange type and location:	Floor remote
Case material:	Cast iron
Identifying marks:	N/A
Comments:	Ratios are free

3.3. FINAL DRIVE

Make:	BMC	**Model:**	
Ratios:	Various		
Differential type:	Hypoid		
Comments:	Limited slip differential 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:	Pressed steel Wire	**Material - Original:**	Steel
Wheel type - Allowed:	Wire Steel disc Period alloy	**Material - Allowed:**	Steel Period alloy
Fixture method:	Central hub Bolt	**No. studs:**	N/A

Wheel dia. & rim width	**FRONT**	**REAR**
Original:	4” x 15”	4” x 15”
Allowed	5” x 15”	5” x 15”
Tyre Section:		
Original:		
Allowed:	195/60 x 15”	195/60 x 15”
Aspect ratio - minimum:	60% minimum aspect ratio.	
Comments:	Refer approved tyre list. Rim size limited to combination that will fit under standard wheel arch. Alloy wheels should be Minilite type.	

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Rear	**Capacity:**	55 litres
Fuel pump, type:	Electrical	**Make:**	SU
Comments:	Fuel pumps are free		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	**Alternator fitted:**	Generator
Battery Location:	Behind seats or in boot		
Comments:	None		

4.3. BODYWORK

Type:	Sports roadster	**Material:**	Steel
No. of seats:	Two or 2+2	**No. doors:**	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1240 mm	**Rear:**	1320 mm
Wheelbase:	2330 mm	**Overall length:**	3800 mm
Approved Manufacturer's kerb weight:	1118 kg		
Approved minimum racing weight:	1024 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix