



5TH CATEGORY - HISTORIC RACING
GROUP S
 APPROVED VEHICLE SPECIFICATION

Make of Car:	Austin Healey	Model:	3000 Mark 2 3000 Mark 3/3A
Period of Original Manufacture:	3000 Mark 2 – March 1961 - September 1963 3000 Mark 3/3A – October 1963 - March 1968		
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:	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. Fore and aft location permitted. Radius arms replace Panhard rod and chassis under rear axle from Chassis Nnbr 26705		

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 HS4 x 3 HD8 x 2
Carburettor Number:	Two or Three		
Size:	2"		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Carburettor bore sizes are free. All models may fit 2 or 3 SU carburettors		

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