



5TH CATEGORY - HISTORIC RACING
GROUP N
 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	Model:	A90 A395 A105
Period of Original Manufacture:	A90 – 1954- 1956 A95 – 1956 – 1959 A105 – 1956- 1960		
Motorsport Australia Historic Group:	Na		
Date of Issue of this Document:	29 September 2021		



Refer to Motorsport Australia Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc Regulations for permitted modifications.

Update Log

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Uni-body
Period of Manufacture:	A30 – 1951- 1956 A35 – 1956 - 1959
Manufacturer:	Austin
Chassis Number From:	A90 – 1954- 1956 A95 – 1956 – 1959 A105 – 1956- 1960
Chassis Number location:	Firewall
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent		
Spring Medium:	Coil		
Damper Type:	Girling lever	Adjustable:	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	Yes	Method:	Caster, camber and toe
Comments:	None		

1.3. REAR SUSPENSION

Description:	Live rear axle		
Spring Medium:	Semi elliptical spring		
Damper Type:	Girling lever	Adjustable:	No
Anti-sway bar:	No	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	None		

1.4. STEERING

Type:	Worm and peg	Make:	BMC
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	279.4 mm x 57 mm	178 mm x 32 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	N/A	
Caliper type:	N/A	
Material:	N/A	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	None	

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:	79.4 mm	Max allowed:	80.9 mm
Stroke - original:	88.9 mm	Max allowed:	88.9 mm
Capacity - original:	2639 cc	Max allowed:	2743 cc
Identifying marks:	prefix 26A Plate on LHS rear of block		
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 and rockers		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
Comments:	None		

2.1. 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:	None		

2.2. IGNITION SYSTEM

Type:	Points, coil & distributor
Make:	Lucas
Comments	Breakerless electronic ignition permitted

2.3. FUEL SYSTEM

Carburettor Make:	Zenith	Model:	42VN
Carburettor Number:	One		
Carburettor Make:	SU	Model:	H4
Carburettor Number:	One		
Size:	Various		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	229 mm
No. of Plates:	One
Actuation:	Mechanical
Comments:	None

3.2. TRANSMISSION

Type:	Synchromesh with overdrive in third and top gears
Make:	BMC
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Column change/Floor shift
Case material:	Cast iron
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	BMC	Model:	C series
Type:	Live rear axle		
Ratios:	Various		
Differential type:	Free/open		
Comments:	None		

3.1. TRANSMISSION SHAFTS (EXPOSED)

Number:	One.
Location:	Gearbox to final drive
Description:	Tubular and Open tail shaft with twin uni joints.
Comments:	None

3.2. WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Steel Alloy (period style)	Material - Allowed:	Steel Alloy
Fixture method:	Studs and nuts	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4.5" x 15"		4.5" x 15"
Allowed	5" x 15"		5" x 15"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Front of Boot	Capacity:	66 litres
Fuel pump, type:	Mechanical on block	Make:	AC
Comments:			

4.2. ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Alternator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Saloon	Material:	Steel
No. of seats:	Five	No. doors:	Four
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1308 mm	Rear:	1301 mm
Wheelbase:	2665 mm	Overall length:	4572 mm
Dry weight:	1395 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix