



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.

<b>Make of Car:</b>	Austin	<b>Model:</b>	A90 A395 A105
<b>Period of Original Manufacture:</b>	A90 – 1954- 1956 A95 – 1956 – 1959 A105 – 1956- 1960		
<b>Motorsport Australia Historic Group:</b>	Na		
<b>Date of Issue of this Document:</b>	1 January 2024		



Refer to The *Manual*, Historic Appendix, Vehicle Eligibility, General Requirements & Historic Touring Cars Group N Regulations for permitted modifications.

***Update Log***

1/1/2024	Inclusion of kerb and minimum racing weights

## SECTION 1 - CHASSIS

### 1.1. CHASSIS

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

### 1.2. FRONT SUSPENSION

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

### 1.3. REAR SUSPENSION

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

### 1.4. STEERING

<b>Type:</b>	Worm and peg	<b>Make:</b>	BMC
<b>Comments</b>	None		

### 1.5. BRAKES

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

**SECTION 2 - ENGINE**

**2.1. ENGINE**

<b>Make:</b>	BMC		
<b>Model:</b>	C series		
<b>No. cylinders:</b>	Six	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	79.4 mm	<b>Max allowed:</b>	80.9 mm
<b>Stroke - original:</b>	88.9 mm	<b>Max allowed:</b>	88.9 mm
<b>Capacity - original:</b>	2639 cc	<b>Max allowed:</b>	2743 cc
<b>Identifying marks:</b>	prefix 26A Plate on LHS rear of block		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

**2.2. CYLINDER HEAD**

<b>Make:</b>	BMC		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b> One	<b>Exhaust:</b> One
<b>No. of ports total:</b>	Twelve	<b>Inlet:</b> Six	<b>Exhaust:</b> Six
<b>No. of camshafts:</b>	One	<b>Location:</b> Block	<b>Drive:</b> Chain
<b>Valve actuation:</b>	Pushrod and rockers		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	None		

**2.1. LUBRICATION**

<b>Method:</b>	Wet sump	<b>Oil tank location:</b>	N/A
<b>Dry sump pump type:</b>	N/A	<b>Location:</b>	N/A
<b>Oil cooler standard:</b>	No	<b>Location:</b>	N/A
<b>Comments:</b>	None		

**2.2. IGNITION SYSTEM**

<b>Type:</b>	Points, coil & distributor		
<b>Make:</b>	Lucas		
<b>Comments</b>	Breakerless electronic ignition permitted		

**2.3. FUEL SYSTEM**

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

## SECTION 3 - TRANSMISSION

### 3.1. CLUTCH

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

### 3.2. TRANSMISSION

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

### 3.3. FINAL DRIVE

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

### 3.1. TRANSMISSION SHAFTS (EXPOSED)

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

### 3.2. WHEELS & TYRES

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

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

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

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Engine bay		
<b>Comments:</b>	None		

### 4.3. BODYWORK

<b>Type:</b>	Saloon	<b>Material:</b>	Steel
<b>No. of seats:</b>	Five	<b>No. doors:</b>	Four
<b>Comments:</b>	None		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1308 mm	<b>Rear:</b>	1301 mm
<b>Wheelbase:</b>	2665 mm	<b>Overall length:</b>	4572 mm
<b>Approved Manufacturer's kerb weight:</b>	1360 kg		
<b>Approved minimum racing weight:</b>	1333 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix**