

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:	A40 Farina
Period of Original Manufacture:	Mark I - 1958–1961 Mark II – 1961-1967		
Motorsport Australia Historic Group:	Nb		
Date of Issue of this Document:	24 October 2024		



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

Update Log

1/1/2024	Inclusion of kerb and minimum racing weights
17/10/2024	Inclusion of substitute block

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Uni-body
Period of Manufacture:	Mark I - 1958–1961 Mark II – 1961-1967
Manufacturer:	Austin
Chassis Number From:	Mark I – 9A or D Mark II – 10D or 10DD
Chassis Number location:	Nearside door pillar by the door check strap
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:	Yes	Method:	Caster, camber and toe
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:	Semi elliptical spring		
Damper Type:	Armstrong lever arm	Adjustable:	No
Anti-sway bar:	No	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	None		

1.4. STEERING

Type:	Worm and peg Worm and nut	Make:	BMC
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	203.2 mm x 32 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:	Dual or tandem master cylinders permitted. Servo permitted	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	BMC		
Model:	A series		
No. cylinders:	Four	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – Original – Mk I (998cc):	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:	64.58 mm
Stroke – original – Mk II (1098cc):	83.8 mm	Max allowed:	85.32 mm
Capacity – original Mk II (1098cc):	1098 cc	Max allowed:	1149 cc
Bore – Alternate Block(1098cc):	70.61mm	Max allowed:	Note 3
Stroke – Alternate Block (1275cc):	81.28mm	Max allowed:	81.28mm
Capacity – Alternate Block (1275cc):	1273 cc	Max allowed:	1300 cc
Identifying marks:	Plate on RHS rear of block		
Cooling method:	Liquid		
Comments:	<p>Note 1 – substitute 1275 non-side plated block allowed;</p> <p>Note 2: - if the original type of camshaft drive is changed, a timing cover is mandatory.</p> <p>Note 3: - With substitute 1275 non-side plated block, with reduced stroke, the bore is free and the max capacity is 1300 cc.</p>		

2.2. CYLINDER HEAD

Make:	BMC				
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:	N/A				
Comments:	Note 1 - With substitute 1275 non-side plated block, the original 1275 head is to be used (with valve sizes - 35.6mm for inlet, and 30.96mm for exhaust).				

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:	SU	Model:	HS2
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:	Dry plate
Diameter:	184 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Synchromesh (not on first gear)
Make:	BMC
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	H pattern floor mounted
Case material:	Alloy
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	BMC	Model:	A 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:	3" x 13"		3" x 13"
Allowed	5" x 13"		5" x 13"
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:	Under Boot floor	Capacity:	26 litres
Fuel pump, type:	Mechanical on block	Make:	AC
Comments:			

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

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

4.4. DIMENSIONS

Track - Front:	1206.5 mm	Rear:	1206.5 mm
Wheelbase:	Mark I - 2121 mm Mark II - 2121 mm	Overall length:	Mark I - 3664 mm Mark II - 3683 mm
Approved Manufacturer's kerb weight:	763 kg		
Approved minimum racing weight:	744 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
