



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:	BMW	Model:	2002 & 2002 Ti
Period of Original Manufacture:	1968 – 1973		
Motorsport Australia Historic Group:	Nc		
Date of Issue of this Document:	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 two door coupe
Period of Manufacture:	1968 to 1973
Manufacturer:	BMW
Chassis Number From:	1600001
Chassis Number location:	RHS inner guard
Material:	Steel
Comments	Round/Circular tail light models only.

1.2. FRONT SUSPENSION

Description:	Independent – by McPherson strut		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	Yes
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	No	Method:	Caster, camber and toe
Comments:	Refer Appendix A		

1.3. REAR SUSPENSION

Description:	Independent - semi-trailing arms		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	Yes
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	No	Method:	Camber and toe
Comments:	Refer Appendix A		

1.4. STEERING

Type:	Worm and Roller	Make:	BMW ZF
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc, solid	Drum
Dimensions:	240 mm x 10mm (2002) 256 mm x 13 mm (2002Ti)	230 mm diameter x 46.50 mm
Material of drum/disc:	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	BMW ATE	
Caliper type:	Floating	
Material:	Cast Iron	
Master cylinder make:	BMW ATE	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	BMW		
Model:	2002		
No. cylinders:	Four	Configuration:	In-line
Cylinder Block-material:	Cast Iron	Two/Four Stroke:	Four
Bore - Original:	89 mm	Max allowed:	90.5 mm
Stroke - original:	80 mm	Max allowed:	80 mm
Capacity - original:	1991 cc	Max allowed:	2058 cc
Identifying marks:	+XXXXXXX+ Located on a flat edge of the engine block, just above where the starter motor mounts.		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	BMW		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	One	Location: SOHC	Drive: Chain
Valve actuation:	Rocker		
Spark plugs/cylinder:	One		
Identifying marks:	Number of nubs surrounding a "121" (to mid 1972), "E12" – mid 1972 to 1975), all within a circle. Both the head type and casting date are cast into the left side of each head.		
Comments:	None		

2.3. LUBRICATION

Method:	Wet sump	Oil tank location:	N/A
Dry sump pump type:	Mechanical	Location:	Bottom of motor
Oil cooler standard:	No	Location:	N/A
Comments:	None		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	Solex	Model:	40PDSI
Carburettor Number:	One (Ti has two)		
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 & Beck
Type:	Diaphragm
Diameter:	228 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Synchromesh
Make:	Getrag – 232 (four speed) Getrag 235 (four and five speed)
Gearbox location:	Behind engine
No. forward speeds:	Four or five
Gearchange type and location:	H pattern floor mounted.
Case material:	Aluminium
Identifying marks:	N/A
Comments:	Model 245 not approved.

3.3. FINAL DRIVE

Make:	BMW	Model:	232-235
Type:	Sprung unit		
Ratios:	Various		
Differential type:	Free/Open		
Comments:	None		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Three
Location:	Gearbox to final drive
Description:	Open tail shaft & half shafts
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Wheel type - Allowed:	Alloy (period style)	Material - Allowed:	Alloy (period style)
Fixture method:	Nuts	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	5.5" x 13"		5.5" x 13"
Allowed	7" x 13"		7" 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:	In boot	Capacity:	46 litres
Fuel pump, type:	Mechanical	Make:	BMW
Comments:	None		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

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

4.4. DIMENSIONS

Track - Front:	1330 mm	Rear:	1330 mm
Wheelbase:	2500 mm	Overall length:	4229 mm
Dry weight:	940 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.