



5TH CATEGORY - HISTORIC RACING GROUP S APPROVED VEHICLE SPECIFICATION
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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:	Alfa Romeo	Model:	GT Junior 1.6
Period of Original Manufacture:	1/7/1972 - 1977		
Motorsport Australia Historic Group:	Sc		
Date of Issue of this Document:	30/6/2022		



Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary body two door coupe
Period of Manufacture:	1/7/72 - 1977
Manufacturer:	Alfa Romeo
Chassis Number From:	AR2195001
Chassis Number location:	Bulkhead panel
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent front suspension. Upper and lower wishbones		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Upper arm adjustment
Comments:	Spring rates and ride heights may be adjusted		

1.3. REAR SUSPENSION

Description:	Live axle, semi trailing arms		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable	No
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	Yes	Method:	Upper trailing arm
Comments:	Spring rates and ride heights are free		

1.4. STEERING

Type:	Recirculating ball	Make:	Alfa Romeo
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	267 mm x 11 mm	267 mm x 9.5 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	ATE	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make:	ATE	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Servo may be rendered inoperative	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Alfa Romeo		
Model:	1600 - 105		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Aluminium	Two/Four Stroke:	Four
Bore - Original:	78 mm	Max allowed:	79.5 mm
Stroke - original:	82 mm	Max allowed:	82 mm
Capacity - original:	1567 cc	Max allowed:	1628 cc
Identifying marks:	Engine number on crankcase (exhaust side)		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Alfa Romeo		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	Two	Location: Head	Drive: Chain
Valve actuation:	Buckets		
Spark plugs/cylinder:	One		
Identifying marks:	Cast on front of head Symbol on front of head: Varies		
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 permitted		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor		
Make:	Bosch, Marelli		
Comments:	Breakerless electronic ignition permitted		

2.5. FUEL SYSTEM

Carburettor Make:	Weber	Model:	40 DCOE 32
Carburettor Make:	Solex	Model:	C40DDH/6
Carburettor Make:	Dellorto	Model:	DHLA40
Carburettor Number:	Two		
Size:	40		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Carburettor throat size may be varied		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Various
Type:	Diaphragm
Diameter:	216 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	Clutch and method of actuation are free

3.2. TRANSMISSION

Type:	Synchromesh
Make:	Alfa Romeo
Model	
Gearbox location:	Behind engine
No. forward speeds:	Five
Gearchange type and location:	Remote floor
Case material:	Aluminium
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	Alfa Romeo	Model:	105
Type	Live rear axle		
Wheel drive method	Rear		
Ratios:	Various		
Differential type:	Hypoid bevel		
Comments:	Limited slip differential permitted		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Tailshaft
Description:	Tubular
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Steel disc	Material - Original:	Mild steel
Wheel type - Allowed:	Period alloy or Alloy	Material - Allowed:	Period alloy or steel
Fixture method:	Studs	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	5.5" x 14"		5.5" x 14"
Allowed	6" x 14"		6" x 14"
	6" x 15"		6" 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:	Boot	Capacity:	46 litres
Fuel pump, type:	Mechanical, on engine	Make:	Alfa Romeo
Comments:	Electric fuel pumps permitted		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Two door fixed head coupe	Material:	Steel
No. of seats:	Four	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1324 mm	Rear:	1274 mm
Wheelbase:	2350 mm	Overall length:	4080 mm
Dry weight:	950 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix