



5TH CATEGORY - HISTORIC RACING

GROUP Sc

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a 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 CAMS Manual of Motor Sport.

Make of Car: Alfa Romeo
Period of Original Manufacture: 1972 – 1976
CAMS Historic Group: Sc
Date of issue of this document: April 2013

Model: GT Junior 1.6



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

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Uni body two door Coupe
Period of Manufacture: 1/7/72 to 1977
Manufacturer: Alfa Romeo
Chassis no. from: AR2195001
Chassis no. location: Bulkhead Panel
Material: Steel

1.2 FRONT SUSPENSION

Description: Independent – upper & lower wishbones
Spring Medium: Coil
Damper Type: Telescopic **Adjustable:** No
Anti-sway bar: Fitted **Adjustable:** No
Suspension adjustable: Yes **Method:** Upper arm adjustment

1.3 REAR SUSPENSION

Description: Live rear axle with semi trailing arms
Spring medium: Coil
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: Fitted
Suspension adjustable: Yes **Method:** Upper trailing arm

1.4 STEERING

Type: Recirculating ball **Make:** Alfa Romeo

1.5 BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	267 x 11 mm	267 x 9.5 mm
Material:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	Two
Actuation:	Hydraulic	Hydraulic
Caliper Make:	ATE Cast Iron	ATE Cast Iron
Caliper Type:	Fixed	Fixed
Caliper Material:	Cast iron	Cast iron
Master cylinder make:	ATE	Type: Tandem
Adjustable bias:	No	
Servo Fitted:	Yes	

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Alfa Romeo	Configuration:	Inline
Model:	1600 -105	Two/Four Stroke:	Four
No. cylinders:	Four	Max. allowed:	79.5 mm
Cylinder block material:	Aluminium alloy	Max. allowed:	82 mm
Bore - Original:	78 mm	Max. allowed:	1628 cc
Stroke - original:	82 mm		
Capacity - original:	1567 cc		
Cooling method:	Water		
Identifying marks:	Engine No on Crankcase (exhaust side)		

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:					

2.3 LUBRICATION

Method:	Wet Sump
Oil cooler standard:	No

2.4 IGNITION SYSTEM

Type:	Coil & distributor
Make:	Mirrelli or Bosch

2.5 FUEL SYSTEM

Carburettor Make:	Webber, Solex or Dellorto	
Carburettor Model:	40DCOE, C40DDH/6 or DHLA40	
Carburettor number:	Two	Size: 40 mm

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Various
Type: Diaphragm
Diameter: 216 mm
Actuation: Hydraulic
No. of Plates: One

3.2 TRANSMISSION

Type: Synchro-mesh
Make: Alfa Romeo
No. forward speeds: Five
Gearbox location: Behind engine
Gear change type and location: Remote, floor
Case material: Alloy
Identifying marks:

3.3 FINAL DRIVE

Make: Alfa Romeo
Model: 105
Type: Live rear axle
Wheel drive method: Rear
Ratios: Various
Differential type: Open / free

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One
Description: Open tail shaft

3.5 WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Allowed:	Cast	Allowed:	Alloy
Fixture method:	Studs	No. studs:	Four
Wheel dia. & rim width:	FRONT		REAR
Original:	14 x 5.5 inch		14 x 5.5 inch
Allowed:	14 or 15 x 6 inch		14 or 15 x 6 inch
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Boot	Capacity:	46 litre
Fuel pump type and location:	Mechanical / engine	Make:	Alfa Romeo

4.2 ELECTRICAL SYSTEM

Voltage:	12	Alternator:	Fitted
Battery Location:	Engine bay		

4.3 BODYWORK

Type:	Two door fixed head Coupe	Material:	Steel
No. of seats:	Four	No. doors:	Two

4.4 DIMENSIONS

Track - Front:	1324 mm	Rear:	1274 mm
Wheelbase:	2350 mm	Overall length:	4080 mm
Dry weight:	950 Kg		

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations