



5TH CATEGORY - HISTORIC RACING
GROUP S
 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:	Alfa Romeo	Model:	Alfetta GTV 2.0
Period of Original Manufacture:	3/1977 - 1979		
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 construction		
Period of Manufacture:	3/1977 - 1979		
Manufacturer:	Alfa Romeo		
Chassis Number From:	116.370		
Chassis Number location:	Bulkhead		
Material:	Steel		
Comments	None		

1.2. FRONT SUSPENSION

Description:	Independent by upper and lower wishbone		
Spring Medium:	Torsion bar		
Damper Type:	Telescopic	Adjustable:	Optional
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Torsion bar tension
Comments:	Spring rates and ride heights may be adjusted		

1.3. REAR SUSPENSION

Description:	Semi-independent - De Dion tube - Watts link		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable	Optional
Anti-sway bar:	Fitted	Adjustable:	Optional
Suspension adjustable:	Yes	Method:	Camber and toe-in
Comments:	Spring rates and ride heights are free		

1.4. STEERING

Type:	Rack and pinion	Make:	Alfa Romeo
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	260 mm x 13 mm	250 mm x 10 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	Two
Actuation:	Hydraulic	Hydraulic
Caliper make:	ATE	
Caliper type:	Tandem	
Material:	Alloy	
Master cylinder make:	ATE	
Type:	Optional	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Dual or tandem master cylinders permitted. Servo may be rendered inoperative	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Alfa Romeo		
Model:	116		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Aluminium	Two/Four Stroke:	Four
Bore - Original:	84 mm	Max allowed:	85.5 mm
Stroke - original:	88.5 mm	Max allowed:	88.5 mm
Capacity - original:	1962 cc	Max allowed:	2031 cc
Identifying marks:	ARO 1623		
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:	Direct		
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:	Marelli		
Comments:	Breakerless electronic ignition permitted		

2.5. FUEL SYSTEM

Carburettor Make:	Dellorto	Model:	DHLA40G
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:	Not specified
No. of Plates:	One
Actuation:	Hydraulic
Comments:	Clutch and method of actuation are free

3.2. TRANSMISSION

Type:	Transaxle
Make:	Alfa Romeo
Model	116
Gearbox location:	Behind engine
No. forward speeds:	Five
Gearchange type and location:	Central remote shift
Case material:	Aluminium
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	Alfa Romeo	Model:	116
Ratios:	Various		
Differential type:	Free		
Comments:	Limited slip differential permitted		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Three
Location:	Engine to transaxle Transaxle to rear wheels
Description:	Tubular shaft and individual driveshafts
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Pressed steel or Alloy	Material - Original:	Steel or Alloy
Wheel type - Allowed:	Period alloy or Steel	Material - Allowed:	Period alloy or steel
Fixture method:	Bolt on	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"
Tyre Section:			
Original:	185/70 x 14"		185/70 x 14"
Allowed:	205/60 x 14"		205/60 x 14"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL


4.1. FUEL SYSTEM

Tank Location:	Rear	Capacity:	54 litres (approx)
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:	Four seat, fixed head Liftback	Material:	Steel
No. of seats:	Four	No. doors:	Two
Comments:	Twin chrome whiskers in the grille and GTV scripts carved in the ventilation vents on the C-pillar. 		

4.4. DIMENSIONS

Track - Front:	1360 mm	Rear:	1358 mm
Wheelbase:	2400 mm	Overall length:	4210 mm
Dry weight:	1100 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix