



5TH CATEGORY - HISTORIC RACING

GROUP Sb

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, the general historic rules, and the specific regulations relative to the subject vehicle Group, as detailed in the current CAMS Manual of Motor Sport.

Make of Car: Alfa Romeo

Model: GTV1750 105 Series

Period of Original Manufacture: 1968 -1972

CAMS Historic Group: Sb

Date of Issue of this Document: 10th September 2003



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description:	Unitary Construction	Period of Manufacture: 1968 -1972
Manufacturer:	Alfa Romeo	
Chassis no. from:	AR1350001	
Chassis no. location:	Firewall	
Material:	Steel	
Comments:		

1.2 FRONT SUSPENSION

Description:	Independent –Upper & Lower Wishbones		
Spring medium:	Coil		
Damper Type:	Telescopic	Adjustable:	Optional
Anti-sway bar:	Not Fitted	Adjustable:	
Suspension adjustable:	Yes	Method:	Upper Control Arm Adjustment
Comments:	Spring Rates & Ride Height Free		

1.3 REAR SUSPENSION

Description:	Live Axle – Upper & Lower Trailing Arms		
Spring medium:	Coil		
Damper type:	Telescopic	Adjustable:	Optional
Anti-sway bar:	Not Fitted	Adjustable:	
Suspension adjustable:	Yes	Method:	Upper Trailing Arm Adjustment
Comments:	Spring Rates & Ride Height Free		

1.4 STEERING

Type	Recirculating Ball	Make:	Alfa Romeo
Comments:			

1.5 BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	272 x 12.7mm	267 x 9.5mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	2	2
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	ATE Cast iron	ATE Cast Iron
Master cylinder make:	ATE	Type: Single
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Twin Master Cylinders may be fitted	

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Alfa Romeo		
Model:	105 - 1750		
No. cylinders:	4	Configuration:	In Line
Cylinder Block-material:	Aluminium Alloy	Two/Four Stroke:	4 Stroke
Bore - Original:	80mm	Max. allowed:	81.5mm
Stroke - original:	88.5mm	Max. allowed:	88.5mm
Capacity - original:	1779cc	Max. allowed:	1846cc
Cooling method:	Water		
Identifying marks:			
Comments:			

2.2 CYLINDER HEAD

Make:	Alfa Romeo				
No. of valves/cylinder-		Inlet:	1	Exhaust:	1
No. of ports total:	8	Inlet:	4	Exhaust:	4
No. of camshafts:	2	Location:	Head	Drive:	Chain
Valve actuation:	Buckets				
Spark plugs/cylinder:	1				
Identifying marks:					
Comments:					

2.3 LUBRICATION

Method(Wet/Dry Sump):	Wet Sump	Oil tank location:	
Dry sump pump type:		Location:	
Oil cooler standard:	No	Location:	
Comments:	Oil Cooler is permitted		

2.4 IGNITION SYSTEM

Type:	Coil & Distributor
Make:	Marelli or Bosch
Comments:	

2.5 FUEL SYSTEM

Carburettor: Make:	Weber	Model & Number:	40DCOE x 2
Fuel injection Make:		Type:	
Supercharged(Yes/No):		Type:	
Comments:	Carburettor choke size is free		

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Various **Type:** Diaphragm **Diameter:** 216mm
No. of Plates: 1
Actuation: Hydraulic
Comments: Clutch & method of actuation are free

3.2 TRANSMISSION

Type: 5 Speed Synchromesh
Make: Alfa Romeo
No. forward speeds: 5 **Gearbox location:** Behind Engine
Gearchange type and location: Floor - Remote
Case material: Alloy **Identifying marks:**
Comments:

3.3 FINAL DRIVE

Make: Alfa Romeo **Model:** 105
Wheeldrive (Front/Rear): Rear
Ratios: Various
Differential: **Make:** Alfa Romeo **Type:** Hypoid
Comments: Limited Slip differential is permitted

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1 **Location:** Gearbox to Final Drive
Description: Tailshaft with Universal Joints
Comments:

3.5 WHEELS & TYRES

Wheel type - Original:	Pressed Steel	Material - Original:	Steel
Allowed:	Steel or Period Alloy	Allowed:	Steel or Alloy
Fixture method:		No. studs:	4
	FRONT		REAR
Wheel dia. & rim width -	5.5 x 14		5.5 x 14
Original:			
Allowed :	6 x 14 or 15		6 x 14 or 15
Tyre Section -			
Original:	165 x 14		165 x 14
Allowed :	195x 14 or 15		195 x 14 or 15
Aspect ratio - minimum:	60%		60%
Comments:			

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Rear	Capacity:	46 Litres
Fuel pump, type and location:	Electric	Make:	
Comments:	Fuel Pump/s are free		

4.2 ELECTRICAL SYSTEM

Voltage:	12	Generator/Alternator fitted:	
Battery Location:	Engine Bay		Alternator
Comments:			

4.3 BODYWORK

Type:	Two Door Fixed Head Coupe	Material:	Steel
No. of seats:	4	No. doors:	2
Comments:			

4.4 DIMENSIONS

Track - Front:	1324mm	Rear:	1274mm
Wheelbase:	2350mm	Overall length:	4100mm
Dry weight:	970kg		
Comments:			

4.5 SAFETY EQUIPMENT : *Refer applicable Group Regulations*