



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 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:** GTV2000 105 Series

**Period of Original Manufacture:** 1972 - 1976

**CAMS Historic Group:** Sc

**Date of Issue of this Document:** 10<sup>th</sup> September 2003



## SECTION 1 - CHASSIS

### 1.1 CHASSIS FRAME

**Description:** Unitary Construction **Period of Manufacture:** 1972 - 1976  
**Manufacturer:** Alfa Romeo  
**Chassis no. from:** AR2420001 >>  
**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:** Fitted **Adjustable:** No  
**Suspension adjustable:** Yes **Method:** Upper Control Arm Adjustment  
**Comments:** Spring Rates and Ride Height are 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:**

### 1.4 STEERING

**Type:** Recirculating Ball **Make:** Alfa Romeo  
**Comments:**

### 1.5 BRAKES

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

## SECTION 2 - ENGINE

### 2.1 ENGINE

**Make:** Alfa Romeo  
**Model:** 2000 - 105  
**No. cylinders:** 4  
**Cylinder Block-material:** Aluminium Alloy  
**Bore - Original:** 84mm  
**Stroke - original:** 88.5mm  
**Capacity - original:** 1962cc  
**Cooling method:** Water  
**Identifying marks:**  
**Comments:**

**Configuration:** In Line  
**Two/Four Stroke:** 4 Stroke  
**Max. allowed:** 85.5mm  
**Max. allowed:** 88.5mm  
**Max. allowed:** 2031cc

### 2.2 CYLINDER HEAD

**Make:** Alfa Romeo  
**No. of valves/cylinder-**  
**No. of ports total:** 8  
**No. of camshafts:** 2  
**Valve actuation:** Buckets  
**Spark plugs/cylinder:** 1  
**Identifying marks:**  
**Comments:**

**Inlet:** 1  
**Inlet:** 4  
**Location:** Head  
**Exhaust:** 1  
**Exhaust:** 4  
**Drive:** Chain

### 2.3 LUBRICATION

**Method(Wet/Dry Sump):** Wet Sump  
**Dry sump pump type:**  
**Oil cooler standard:** No  
**Comments:** Oil Cooler permitted

**Oil tank location:**  
**Location:**  
**Location:**

### 2.4 IGNITION SYSTEM

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

### 2.5 FUEL SYSTEM

**Carburettor: Make:** Weber or Solex  
**Fuel injection Make:**  
**Supercharged(Yes/No):**  
**Comments**

**Model & Number:** 45DCOE or C40DDH7 x2  
**Type:**  
**Type**

## SECTION 3 - TRANSMISSION

### 3.1 CLUTCH

**Make:** Various      **Type:** Diaphragm      **Diameter:** 216mm  
**No. of Plates:** 1  
**Actuation:** Hydraulic  
**Comments:**

### 3.2 TRANSMISSION

**Type:** 5 Speed Synchromesh

**Make:** Alfa Romeo

**No. forward speeds:** 5

**Gearbox location:** Behind Engine

**Gearchange type and location:** Floor

**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:**

### 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 -**

**Original:** 5.5 x 14      5.5 x 14

**Allowed :** 6 x 14 or 15      6 x 14 or 15

**Tyre Section -**

**Original:** 165 x 14      165 x 14

**Allowed :** 195 x 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*