CAMS

5TH CATEGORY - HISTORIC RACING

GROUP NC

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 CAMS Manual of Motor Sport.

Make of Car:

Alfa Romeo

Model:

GTAM TIPO 105.51

Period of Original Manufacture: 1969 - 1972

CAMS Historic Group:

Nc

Date of Issue of this Document: 29TH September 2000



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description:

Manufacturer:

Chassis no. from:

Chassis no. location: Material:

Comments:

Unitary Construction

Alfa Romeo

RHS Firewall

Steel

1.2 FRONT SUSPENSION

Description:

Spring medium:

Damper Type: Anti-sway bar:

Suspension adjustable:

Coil Telescopic

Fitted

Yes

Independent - Lower Wishbone & Upper Control Arms

Adjustable: Yes Adjustable: No

Method: Upper Control Arm

Period of Manufacture:7/69-1972

adjustment

Comments:

1.3 REAR SUSPENSION

Suspension adjustable:

Description:

Live Axle -Two Lower Trailing Arms and one Upper Trailing

Arm Coil

Spring medium:

Damper type: Anti-sway bar:

Telescopic

Fitted

Adjustable: Yes

Adjustable: No Upper

Yes

Method:

Adjustment

Comments:

1.4 STEERING

Type:

Comments:

Worm & Sector

ATE

Yes

Yes

Make: Alfa Romeo

1.5 BRAKES

Type:

Dimensions:

Material of drum/disc No. cylinders/pots per wheel:

Actuation:

Caliper: Make, Material, Type:

Master cylinder make:

Adjustable bias Servo Fitted

Comments:

Front

Disc 272mm (vent) cast iron

2 or 4 Hydraulic ATE-alloy

Type:

Rear

Trailing

Arm

Disc 267mm (solid) cast iron

Hydraulic ATE - cast iron

Tandem

SECTION 2 - ENGINE

2.1 ENGINE

Make:

Alfa Romeo

Model:

GTAM

No. cylinders:

4 Alloy Configuration:

In line

Cylinder Block-material: Bore - Original:

80

Four Stroke Max. allowed:

81.5

Stroke - original: Capacity - original: 88.5 1779 cc

Max. allowed: Max. allowed:

88.5 1845 cc

Cooling method:

Water

Identifying marks:

COMMENTS:

Whilst 2 Litre Engine was recognised under Group 2 Homologation Extensions, only standard Group 2 engine is permitted in Group Nc.

2.2 CYLINDER HEAD

Make:

Alfa Romeo

No. of valves/cylinder-

Inlet:

Exhaust:

No. of ports total: No. of camshafts:

Inlet: 2 Location:

Head

Exhaust: Drive:

Chain

Valve actuation: Spark plugs/cylinder:

Buckets

Two

Identifying marks:

45° Valve Angle/Symbol (oc) Cast on Front of Head

COMMENTS:

Original Twin Plug Head must be used. Later "Twin Spark" versions not

permitted.

2.3 LUBRICATION

Method:

Wet Sump

Oil tank location:

N/A

Dry sump pump type:

NIA

Location:

N/A

Oil cooler standard:

Yes

Location:

Beside Radiator

COMMENTS:

2.4 IGNITION SYSTEM

Type:

Twin Coils & Twin Point Distributor

Make:

COMMENTS:

Marelli or Bosch

2.5 FUEL SYSTEM

Carburettor: Make:

Weber

Model:

DCOE Size: 45mm

Fuel injection Make:

Supercharged:

Lucas or Spica

No: Type: Mechanical

Type:

COMMENTS:

N/A

Both Lucas & Spica mechanical fuel injection systems were

homologated, and are permitted.

Regulations allow injection to be replaced by carburettors, which are free, provided no increase in their number and of

period type.

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make:

Type:

Diaphragm

Diameter: 216mm

No. of Plates:

Actuation:

Hydraulic

Comments

3.2 TRANSMISSION

Type:

5 Speed Synchromesh

Make: Alfa Romeo

Model:

No. forward speeds:

Gearbox location: Behind engine

Gearchange type and location: Floor Mounted - Direct

Case material:

Alloy

Comments:

-3.3 FINAL DRIVE

Make:

Model:

Hypoid

Wheel drive method:

Alfa Romeo

Rear

Ratios:

Various

Differential:

Spin Resistant

Type:

ZF 'Autolock'

Comments:

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1

Location: Gearbox to Final Drive

Description:

Tubular Tailshaft with Universal Joints

Comments:

3.5 WHEELS & TYRES

Wheel type: Original:

Fixture method:

Alloy

Material: Original: Alloy

Allowed:

Alloy (Period Style)

Allowed: Alloy (Period Style)

Bolt on

No. studs:

FRONT

REAR 5.5 x 14

Wheel dia. & rim width

5.5 x 14

Original:

Allowed

7×14

Tyre section:

7 x 14

Original:

Allowed:

205 x 14

205 x 14

Aspect ratio - minimum:

60%

60%

Comments:

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:

Rear

Capacity:

46 litres

Fuel pump, type and location: Comments: Twin Fuel Pumps Electric

Make:

Bendix

4.2 ELECTRICAL SYSTEM

Voltage:

Battery Location:

Boot

Generator/alternator fitted:

Comments:

4.3 BODYWORK

Type:

4 Place Fixed Head Material:

Steel

2

Coupe

No. of seats:

2

No. doors:

Comments:

Doors:

Steel only permitted

Body: Bonnet: Steel only permitted Steel only permitted

Homologated flares only permitted. (See Attachment 'A')

Side and rear windows: Glass

4.4 DIMENSIONS

Track - Front:

1324mm

Rear:

1274mm

Wheelbase:

2350mm

Overall length:

4080mm

Dry weight:

920 kg

(homologated

weight)

Comments:

4.5 SAFETY EQUIPMENT

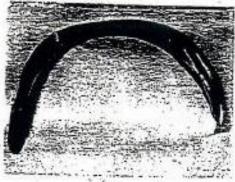
Fire extinguisher required Seat belt required Rollbar required Electrical cut off switch required Safety fuel tank optional

RP:mr-Alfa Romeo GRAM

- sur demande, sans thermostat
- a richiesta senza termostato
- 5 Parafanghi anteriori: a richiesta aggiunta di codolini nº di catalogo 105,59,54,109 110,00 Con l'applicazione dei codolini la larghezza nella sezione trassenule unteriore risulta di 1640 mm. (V. foto)

Ailes Américures: sur demande on peut ajouter des lèvres n° de catalogue 105.59.54.109/110.00. Avec l'applications des lèvres la largeur dans la section transversale antérieure est de 1640 mm.

— Codolini ai parafunghi posteriori — particolare 105.32.54.004/005.00. La larghezza della vettura nella sezione trasversale sull'asse delle ruote posteriori risulta di 1560 mm. (V. l'oto). Alles Posterieur: sur demande on peut ajouter des levres n° de catalogue 105.32.54.004/005.00. Avec l'applications de slèvres la largeur dans la section transversale sur l'essicu des roues postérieure est 1560 mm. (Voir photo).





Ant.



Post.

50 - 51 - 53 - 54-3

RUOTE - 7"Kx14 - Fornitore Campagnolo - materiale magnesio - peso kg. 5.7 : lbs. 12.57 - Carregulata anteriore (350 mm. Post, 1300 mm.

ROUES - 7"Kx14 - Fournisseur Campagnolo - en electron - Poids kg. 5,7 ; lbs. 12,57 - Voie AV.; 1350 mm. Voie AR. 1300 mm.

Timbro e firme delle C.S.A.I.