

#### 5TH CATEGORY - HISTORIC RACING

#### GROUP No

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: Ford Cortina Model: 220

Period of Original Manufacture: 1965-67

**CAMS Historic Group: No** 

Date of Issue of this Document: 21 July 2009

The 220 model was a low level base model of the Cortina Mk I.



### SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary construction Period of Manufacture:

1965-67

Manufacturer:

Ford Motor Company

Chassis no. from:

Chassis no. location:

Material: Comments:

Steel

1.2 FRONT SUSPENSION

Description: Independent by McPherson Strut

Spring medium: Coil

Damper Type: Telescopic within strut

Adjustable: No. but

allowed

Anti-sway bar: Yes Adjustable: No Suspension adjustable: Within Group Nc regulations Method:

Comments:

1.3 REAR SUSPENSION

**Description:** Live axle Spring medium: Leaf springs

Damper type: Telescopic Adjustable: No. but

permitted Anti-sway bar: No. Adjustable: Suspension adjustable: No. Method:

Comments:

1.4 STEERING

Type Recirculating ball Make: Ford

**Comments:** Original form including rod ends must be retained.

1.5 BRAKES

Front Rear Type: Disc Drum

**Dimensions:** 241mm x 12.7mm 203mm x 38.1mm

Material of drum/disc Cast iron Cast iron

No. cylinders/pots per wheel:

Actuation: Hydraulic Hydraulic

Caliper: Make, Material, Type: Girling cast iron

Master cylinder make: Girling Type: Single cylinder

Adjustable bias: No permitted, but see

comments

Servo Fitted: No but permitted.

Comments: Dual master cylinder with adjustable bias permitted - refer Nc regulations.

## SECTION 2 - FNGINE

2.1 ENGINE

Make:

Ford 120E

Model:

No. cylinders: Cylinder

4

Block- Cast iron

Configuration: In line Two/Four Stroke: 4

material:

Bore - Original:

80.97mm 72.8mm

Max. allowed:82.47mm Max. allowed: 72.8mm Max. allowed: 1556cc

Stroke - original: Capacity

- 1498cc

original:

Cooling method:

Identifying

Liquid cooled Casting mark 120E-6015 left

side of block

marks: Comments: 120E engine is 5 main bearing engine

2.2 CYLINDER HEAD

Make:

Ford

No. of valves/cylinder: 2

Inlet: 1

No. of ports total: 8 Inlet: 4 Exhaust: 1 Exhaust: 4 Drive: Chain

No. of camshafts: 1 Valve actuation:

Location: Cylinder block Pushrods & rockers

Spark plugs/cylinder: 1

Identifying marks:

Comments: Cylinder head is pre-crossflow type.

2.3 LUBRICATION

Method: Wet sump

Oil tank location:

Dry sump pump type:

Location: Location:

Oil cooler standard: No

Comments:

2.4 IGNITION SYSTEM

Type: Make: Coil & distributor Lucas or Autolite

Comments:

2.5 FUEL SYSTEM

Carburettor: Make:

Zenith

Model: VN

Fuel injection Make: Supercharged:

Type: Type

Comments:

Freedom of carburettor refer Group Nc regulations

### SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Ford No. of Plates: Type: Diaphragm

Actuation:

Hydraulic

Comments:

3.2 TRANSMISSION

Type:

4-speed synchromesh

Make:

Ford 2000E

No. forward 4

speeds:

Gearchange type and location:

Case material:

Comments:

Cast iron

Direct central

Identifying marks:

Gearbox location: Behind engine

Diameter: 191mm

3.3 FINAL DRIVE

Make: Ford

Model: Banjo type

Wheel drive method:

rear

Ratios: Differential: 4.125:1 Free

Comments:

Type:

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number:

**Description:** Tubular shaft with Hardy Spicer type U/Js.

Comments:

3.5 WHEELS & TYRES

Wheel type - Original:

Pressed disc

Material - Original: Steel

REAR

Allowed:

Period alloy allowed

Allowed:

Fixture method:

Studs & nuts **FRONT**  No. studs:4

Wheel dia. & rim width -

Original:

4.0" x 13"

Allowed:

6.0" x 13"

4.0" x 13" 6.0" x 13"

Tyre Section -

Original:

Allowed:

As per Group N Tyre

List

Aspect ratio - minimum:

60%

Comments:

# SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Floor of boot Capacity: 32 litres

Fuel pump, type and location: Mechanical, Cyl. block Make: Ford

Comments:

4.2 ELECTRICAL SYSTEM

Voltage: 12v Generator/Alternator fitted: Either

Battery Location: Engine compartment

Comments: Refer Group Nc regulations for freedoms

4.3 BODYWORK

Type: Saloon Material: Steel No. of seats: 4 No. doors: 2

Comments: 220 model has unique steel grille with 5 horizontal bars. Body has 'flow-through'

ventilation system.

4.4 DIMENSIONS

Track - Front: 1290mm Rear: 1270mm Wheelbase: 2489mm Overall length:

**Dry weight:** 780Kg

Comments:

4.5 SAFETY EQUIPMENT: Refer applicable Group Regulations