CAMS

5TH CATEGORY - HISTORIC RACING

GROUP Nb

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

Model:

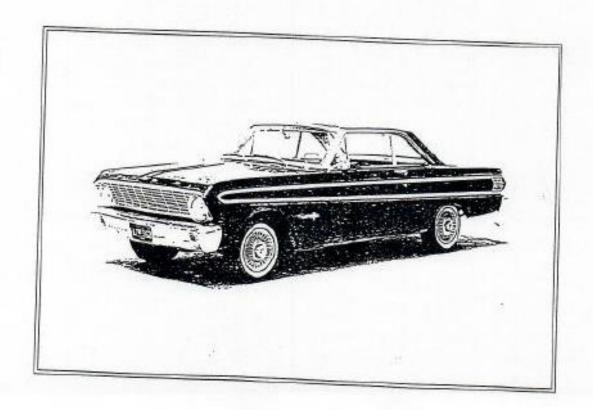
Falcon Rally Sprint

Period of Original Manufacture: 1964

CAMS Historic Group:

Nb

Date of Issue of this Document: 17 July 1997



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description:

Manufacturer: Chassis no. from:

Chassis no. location:

Material: Comments: Integral Ford USA

4H13F-100001

Cars originally LHD only

Steel

1.2 FRONT SUSPENSION

Suspension adjustable:

Description: Spring medium:

Independent by upper wishbone & lower TCA with forward link

Damper Type: Ant-sway bar;

Hydraulic Telescopic

Non-adjustable originally fitted Yes

Adjustable: Permitted Adjustable: Permitted

Period of Manufacture:

Aug 1963 - Aug 1964

Method:

By accentric TCA pivot

Comments: Modifications permitted - refer Article 3.4 of Group N(b) regulations

1.3 REAR SUSPENSION

Description:

Live rear axia

Spring medium:

Semi-eleptic leaf springs

Damper type: Anti-sway bar:

Hydraulic Telescopic

Adjustable: Permitted

Suspension adjustable:

Not originally fitted

Adjustable:

Method:

Comments: Modifications permitted - refer Article 3.4 of Group N(b) regulations

1.4 STEERING

Type:

Comments:

Recirculating ball & nu!

Make: Ford

Rear

Drum

279.4mm x 52mm

Pressed Sieel

One

Hydraulic

1.5 BRAKES

Type

Dimensions: Material of drum/disc

No. cylinders/pots per wheel:

Actuation:

Caliper: Make, Material, Type:

Master cylinder make: Kelsey Hayes Adjustable bias: Not originally filted. Servo Fitted

Front

Disc 292mm x 31.75mm

Cast Iron Four Hydraulic

Kelsey Hayes Cast Iron Type:

Yes

Comments: Brake modifications permitted - refer Article 3.5 of Group N(b) regulations

SECTION 2 - ENGINE

2.1 ENGINE

Make:

Ford

Madel:

W289HP or W302 blocks permitted

No. cylinders:

Configuration:

V-8

Cylinder Block-material: Bore - Original:

Cast Iron 101.76mm

Four Stroke Max. allowed:

103.26mm

Stroke - original:

72.9mm 4272cc

Max. allowed:

72.9mm

Capacity - original:

Water Cooled

Max. allowed:

4868cc

Cooling method:

(TBA)

Identifying marks:

Comments: Cylinder blocks with either 5 bolt or 6 bolt bell housing fixture permitted

2.2 CYLINDER HEAD

Make:

Ford

No. of valves/cylinder- 2

Inlet: Inlet: Exhaust:

No. of ports total: 8 No. of camshafts: 1

Location: Cyl block Exhaust: Drive:

Valve actuation:

Camfollowers, pushrods & rockers

Chain

Spark plugs/cylinder:

Identifying marks:

(TBA)

Comments:

2.3 LUBRICATION

Method:

Wet Sump

Oil tank location:

N/A

Dry sump pump type: N/A

Location:

N/A

Oil cooler standard: Yes

Location:

Behind radiator support

panel LHS

Comments: Apperture in LHS radiator support panel permitted for oil cooler.

2.4 IGNITION

Type:

Coil & Distributor

Make:

Ford

Comments:

2.5 FUEL FEED

Carburettor: Make: Carter

Model: CARA-9510-A-B

No: 1

Size: N/A

Fuel injection Make:

N/A No

Type:

Supercharged: Make:

Type:

Comments: Refer Article 3.2 of Group N(b) Regulations for carburettor freedoms.

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Long Ford

Type: Diaphragm Diameter: 276mm

No. of Plates:

One

Mechanical Linkage

Actuation: Comments

3.2 TRANSMISSION

Type: Synchromesh

Model:

T10

Make: Borg Warner No. forward speeds:

Gearbox location: Behind engine

Gearchange type and location: Remote - Central Floor Mounting

Case material:

Cast Iron

Identifying marks:

Comments: Permitted gear ratios: 1.

2.73 2. 2.04 3. 1.51

1.00

2.20 1.64

1.31

1.00

1.62 1.20 1.00

236

3.3 FINAL DRIVE

Make:

Ford

Model:

81/3" and 9" Ring gear permitted

Wheel drive method:

Ratios: Differential:

3.50, 3.89, 4.11, 4.29, 4.57 and 5.14 Limited-slip originally

4

Type:

Friction Clutch

fitted

Comments:

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One

Location:

Gearbox to Rear Axle

Description:

Tubular steel with Hardy-Spicer Type U/Js

Comments:

3.5 WHEELS & TYRES

Wheel type: Original:

Pressed Steel Disc

Allowed:

Period Style Alloy

Material: Original: Steel

Fixture method:

Studs & Nuts FRONT

Allowed: Aluminium Alloy No. studs:

Wheel dia, & rim width

REAR

Original: Allowed

15" x 5.5" 15" x 6.0"

15" x 5.5" 15" x 6.0"

Tyre section:

Original:

Allowed:

6.50/6.70" x 15"

6.50/6.70" x 15"

Refer Article 3.6 of Group N(b) regulations

Aspect ratio - minimum:

60%

Comments:

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:

Boot

Capacity:

102 litres

Fuel pump, type and location:

Mechanical, on engine

Make: AC/Carter/Stewart-Warner

Comments:

4.2 ELECTRICAL SYSTEM

Voltage:

12V

Alternator fitted:

Battery Location:

Comments:

Engine Compartment

4.3 BODYWORK

Type:

Closed Touring Car

Material:

Steel

No. of seats:

No. doors:

Comments: FRP panels permitted: - bonnet, front mudguards, door skins and boot.

Front and rear bumpers of aluminium permitted as alternative to steel.

4.4 DIMENSIONS

Track - Front:

Original 1397mm

Rear:

Original 1249mm

Wheelbase: Dry weight:

2781mm

Overall length:

4612mm

1100kg

Comments:

4.5 SAFETY EQUIPMENT Fire extinguisher required

Seat belt required Rollbar required

Electrical cut off switch required

Safety fuel tank optional

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