



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 a 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: Cortina 240 & 440

Period of Original Manufacture: 1963 – 66

CAMS Historic Group: Nb

Date of issue of this document: May 2014

The specification sheet relates to both early model (with parking lights separate from grille) and the “Airoflow Ventilation” model introduced in September 1964.



Refer to CAMS Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nb Regulations for permitted modifications.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Uni – body, welded pressed steel
Period of Manufacture: 1963 to 1966
Manufacturer: Ford Motor Co Ltd
Chassis no. from: Body model codes are 12414, 12433 and 12434
Chassis no. location: Late model vehicles have ID on firewall
Material: Steel

1.2 FRONT SUSPENSION

Description: Independent, McPherson strut with lower control arm and combined sway bar / tension rod
Spring Medium: Coil
Damper Type: Telescopic strut insert **Adjustable:** No
Anti-sway bar: Fitted **Adjustable:** No
Suspension adjustable: No

1.3 REAR SUSPENSION

Description: Live axle
Spring medium: Semi – elliptic multi – leaf
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: None
Suspension adjustable: No

1.4 STEERING

Type: Recirculating ball **Make:** Ford

1.5 BRAKES

	Front	Rear
Type:	Disc, Solid	Drum, Single leading shoe
Dimensions:	244 x 12.7 mm	224 x 44.5 mm
Material:	Cast iron	Steel
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Master cylinder make:	Girling	Type: Single
Servo Fitted:	No	

SECTION 2 - ENGINE

2.1 ENGINE

Make: Ford
Model: 116E, five main bearing, pre - cross flow type
No. cylinders: Four **Configuration:** Inline
Cylinder block material: Cast iron **Two/Four Stroke:** Four
Bore - Original: 80.97 mm
Stroke - original: 72.746 mm
Capacity - original: 1498 cc **Max. allowed:** 1600 cc
Cooling method: Liquid
Identifying marks: Block casting number 129E - 6015

2.2 CYLINDER HEAD

Make: Ford
No. of valves/cylinder: Two **Inlet:** One **Exhaust:** One
No. of ports total: Eight **Inlet:** Four **Exhaust:** Four
No. of camshafts: One **Location:** Block **Drive:** Chain
Valve actuation: Pushrod & rockers
Spark plugs/cylinder: One
Identifying marks: N/A

2.3 LUBRICATION

Method: Wet sump
Oil cooler standard: No

2.4 IGNITION SYSTEM

Type: Coil & distributor
Make: Autolite

2.5 FUEL SYSTEM

Carburettor Make: Ford / Zenith **Model:** ??
Carburettor number: One **Size:** ??

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Ford
Type: Coil spring
Diameter: 203 mm
Actuation: Hydraulic
No. of Plates: One

3.2 TRANSMISSION

Type: Synchro – mesh
Make: Ford type 2
No. forward speeds: Four
Gearbox location: Behind engine
Gear change type and location: Centre lever, floor
Case material: Cast iron
Identifying marks: N/A

3.3 FINAL DRIVE

Make: Ford
Model: Banjo
Type: Live axle
Wheel drive method: Rear
Ratios: 4.1, 4.4, 4.7 & 4.9:1
Differential: Free / open

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One
Description: Tubular steel open tailshaft

3.5 WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Allowed:	Period cast	Allowed:	Alloy
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	13 x 4 inch		13 x 4 inch
Allowed:	13 x 6 inch		13 x 6 inch
Tyres original:	N/A		N/A
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Boot floor	Capacity:	36.4 litres
Fuel pump type and location:	Mechanical / Block	Make:	AC

4.2 ELECTRICAL SYSTEM

Voltage:	12	Generator or Alternator:	Either
Battery Location:	Engine compartment		

4.3 BODYWORK

Type:	Closed touring	Material:	Steel
No. of seats:	Four	No. doors:	Two or four

4.4 DIMENSIONS

Track - Front:	1290 ± 25 mm	Rear:	1270 ± 25 mm
Wheelbase:	2489 ± 25 mm	Overall length:	4275 mm
Dry weight:	790kg (2 Dr), 818kg (4 Dr)		

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations