



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:** Falcon XM
Period of Original Manufacture: 1964 – 65
CAMS Historic Group: Nb
Date of issue of this document: Nov 2014

This document relates to the model fitted with the 170 Cu. Inch (2.8 litre) engine. An optional 200 Cu. Inch (3.3 litre) engine was offered but only coupled to a Ford 2-speed automatic transmission which combination is unlikely to be used by Group Nb competitors



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: 1964 – 65
Manufacturer: Ford Motor Co Ltd
Chassis no. from: XMRBD 100375 onwards
Chassis no. location: Radiator support panel
Material: Steel

1.2 FRONT SUSPENSION

Description: Independent with upper & lower wishbones
Spring Medium: Coil
Damper Type: Telescopic **Adjustable:** No
Anti-sway bar: No
Suspension adjustable: No

1.3 REAR SUSPENSION

Description: Live axle
Spring medium: Leaf
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: No
Suspension adjustable: No

1.4 STEERING

Type: Recirculating ball **Make:** Ford

1.5 BRAKES

	Front	Rear
Type:	Drum, single leading shoe	Drum, single leading shoe
Dimensions:	229 x 57 mm or 225 x 57 mm	229 x 38 mm or 225 x 45 mm
Material:	Cart iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Master cylinder make:	Ford	Type: Single
Adjustable bias:	No	
Servo Fitted:	No	

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Ford	Configuration:	Inline
Model:	170 Cu inch	Two/Four Stroke:	Four
No. cylinders:	Six	Max. allowed:	3000 cc
Cylinder block material:	Cast iron		
Bore - Original:	88.9 mm		
Stroke - original:	74.7 mm		
Capacity - original:	2782 cc		
Cooling method:	Liquid		
Identifying marks:	N/A		

2.2 CYLINDER HEAD

Make:	Ford	Inlet:	One	Exhaust:	One
No. of valves/cylinder:	Two	Inlet:	Six	Exhaust:	Six
No. of ports total:	Twelve	Location:	Block	Drive:	Chain
No. of camshafts:	One				
Valve actuation:	Pushrod & rockers				
Spark plugs/cylinder:	One				
Identifying marks:	NA				
Comments:	Inlet manifold is cast integral with cylinder head and must remain. Inlet manifold may be modified to allow addition of multiple carburettors.				

2.3 LUBRICATION

Method:	Wet sump
Oil cooler standard:	No

2.4 IGNITION SYSTEM

Type:	Coil & distributor
Make:	Bosch or Autolite

2.5 FUEL SYSTEM

Carburettor Make:	Ford	Model:	Single barrel
Carburettor number:	One	Size:	N/A

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Ford
Type: Diaphragm
Diameter: 216 mm
Actuation: Mechanical
No. of Plates: One

3.2 TRANSMISSION

Type: Synchro – mesh
Make: Ford
No. forward speeds: Three
Gearbox location: Behind engine
Gear change type and location: Remote, steering column
Case material: Cast iron
Identifying marks: N/A

3.3 FINAL DRIVE

Make: Ford
Type: Live axle
Wheel drive method: Rear
Ratios: 3.5 & 3.2
Differential type: Open / free
Model:

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:	Four or five
Wheel dia. & rim width:	FRONT	REAR	
Original:	13 x 5 inch (4 stud) 14 x 6 inch (5 stud)	13 x 5 inch (4 stud) 14 x 6 inch (5 stud)	
Tyres original:	6.70 – 13 & 6.7 – 14	6.70 – 13 & 6.7 – 14	
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Under boot floor	Capacity:	52 litres
Fuel pump type and location:	Mechanical / engine	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:	Five	No. doors:	Two or four

4.4 DIMENSIONS

Track - Front:	1397 mm	Rear:	1384 mm
Wheelbase:	2784 mm	Overall length:	4684 mm
Dry weight:	1107 kg		

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations