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: Ford **Model:** Mustang

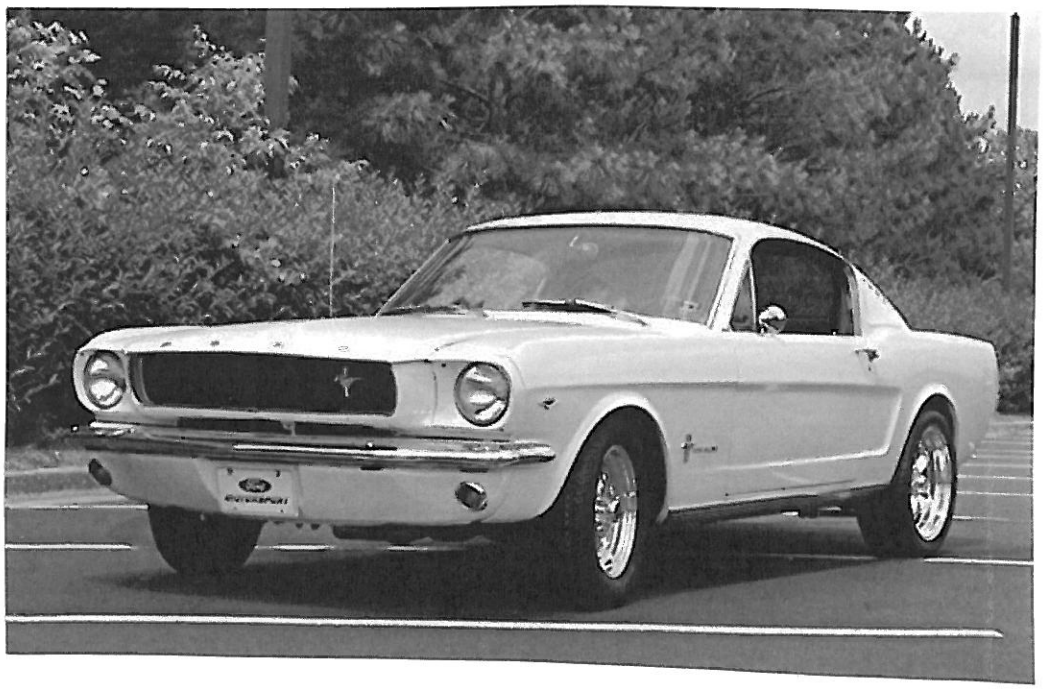
Period of Original Manufacture: 5-1964/1965

CAMS Historic Group: Nc

Date of Issue of this Document: 19th June 2002

Updated: 23 November 2009

Note: 200 & 260 engined cars are not eligible for Group Nc, as only the 289 engined model raced in the applicable Group period as is required by Group Nc regulations criteria.



This form was issued without alteration or erasure.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction **Period of Manufacture:**

Manufacturer: Ford Motor Co. 5-1964/1965

Chassis no. from: See Attached

Chassis no. location: LHS Front Inner Mudguard

Material: Steel

Comments:

1.2 FRONT SUSPENSION

Description: Independent – Lower Control Arm/Upper Wishbone

Spring medium: Coil

Damper Type: Telescopic **Adjustable:** Optional

Anti-sway bar: Fitted **Adjustable:** Optional

Suspension adjustable: Yes **Method:** Camber/Caster Only

Comments: Spring Rates/Ride Height free. Variation in Sway Bar diameter permitted.Dampers free subject to use of original mounts and period technology limitations.

1.3 REAR SUSPENSION

Description: Live Axle

Spring medium: Semi Elliptic Leaf

Damper type: Telescopic **Adjustable:** Optional

Anti-sway bar: Not Fitted **Adjustable:**

Suspension adjustable: No **Method:**

Comments: Spring Rates/Ride Height free. Fitment of Sway Bar/Trailing Links/Watts Link permitted. Dampers free subject to use of original mounts and period technology limitations.

1.4 STEERING

Type: Recirculating Ball & Nut **Make:** Ford

Comments:

1.5 BRAKES

	Front	Rear
Type:	Disc or Drum	Drum
Dimensions:	286mm	254mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	4 (Disc) 2 (Drum)	2
Actuation:	Hydraulic	Hydraulic

Caliper: Make, Material, Type: Kelsey Hayes – Cast Iron

Master cylinder make: Girling or Kelsey Hayes **Type:** Tandem

Adjustable bias: No

Servo Fitted: Yes

Comments: Twin Master Cyls. permitted. Components from other pre 1973 Touring Cars permitted, subject to swept area constraints . (Refer Regulations) . Cockpit fitted brake bias adjustment not permitted.

SECTION 2 - ENGINE

2.1 ENGINE

Make: Ford
Model: 289
No. cylinders: 8 **Configuration:** Vee
Cylinder Block-material: Cast Iron **Two/Four Stroke:** 4 Stroke
Bore - Original: 101.6mm **Max. allowed:** 103.1mm
Stroke - original: 72.89mm **Max. allowed:** 72.89mm
Capacity - original: 4735cc **Max. allowed:** 4865cc
Cooling method: Water
Identifying marks:
Comments: 302 engine block permitted substitute. Approved by Historic Eligibility Committee under "Component Substitution" criteria. **It is permitted to use the Ford M-6010-BOSS 302 block with a rev limit of 7500rpm as a replacement for the Windsor 289 or 302 block.**

2.2 CYLINDER HEAD

Make: Ford
No. of valves/cylinder- **Inlet:** 1 **Exhaust:** 1
No. of ports total: 16 **Inlet:** 8 **Exhaust:** 8
No. of camshafts: 1 **Location:** Block **Drive:** Chain
Valve actuation: Pushrod
Spark plugs/cylinder: 1
Identifying marks:
Comments: The World Products Windsor Junior cylinder head may be used subject to the heads being in manufactured state save for refacing of the cylinder gasket face and matching of the Inlet ports by not more than 12mm from the port face and conditional upon individual application with the Log Book endorsed and the engine sealed.

2.3 LUBRICATION

Method: Wet Sump **Oil tank location:**
Dry sump pump type: **Location:**
Oil cooler standard: No **Location:**
Comments: Oil Cooler permitted, subject to their being no alterations to bodywork.

2.4 IGNITION SYSTEM

Type: Coil & Distributor
Make: Autolite
Comments: Substitute/Replacement components permitted, subject to retention of points type distributor.

2.5 FUEL SYSTEM

Carburettor: **Make:** Autolite **Model:** 4V (4 Choke)
No: 1
Fuel injection Make: **Type:**
Supercharged: **Type**
Comments Replacement/multiple carburettors of period type permitted. Maximum of 1 Choke(Venturi) per cylinder.

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Ford **Type:** Diaphragm **Diameter:** 267mm
No. of Plates: 1
Actuation: Hydraulic
Comments: Clutch and method of actuation free.

3.2 TRANSMISSION

Type: Top Loader
Make: Ford

No. forward speeds: 4 **Gearbox location:** Behind Engine
Gearchange type and location: Floor
Case material: Cast Iron **Identifying marks:**
Comments:

3.3 FINAL DRIVE

Make: Ford **Model:** Hotchkiss

Wheel drive method: Rear Wheel Drive
Ratios: Various
Differential: Free (LSD Optional) **Type:** Hypoid
Comments: Limite Slip Differential permitted.

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1 **Location:** Gearbox to Final Drive
Description: One Piece Tailshaft with Universal Joints
Comments:

3.5 WHEELS & TYRES

		FRONT	REAR
Wheel type -	**Original:**	Pressed Steel	**Material - Original:** Steel
	Allowed:	Steel or Period Alloy	**Allowed:** Steel or Alloy
Fixture method:		Bolt On	**No. studs:** 5
Wheel dia. & rim width -			
	Original:	5 x 13/14/15	5 x 13/14/15
	Allowed :	8 x 13/14/15	8 x 13/14/15
Tyre Section -			
	Original:		
	Allowed :	245/60	245/60
Aspect ratio - minimum:		60%	60%

Comments: Originally fitted with 13 or 14 inch wheels with 15 inch optional. All cars may choose from all three wheel diameters.

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Rear **Capacity:** 102 Litres
Fuel pump, type and location: Mechanical **Make:** AC
Comments: Fuel pump/s free

4.2 ELECTRICAL SYSTEM

Voltage: 12 **Generator/Alternator fitted:**
Battery Location: Engine Bay Alternator
Comments:

4.3 BODYWORK

Type: Fixed Head Coupe **Material:** Steel
No. of seats: 4 **No. doors:** 2
Comments:

4.4 DIMENSIONS

Track - Front: 1460mm **Rear:** 1460mm
Wheelbase: 2743mm **Overall length:** 4612mm
Dry weight: 1200kg (Standard)
Comments: Track variable dependent upon wheels/tyres fitted.

4.5 SAFETY EQUIPMENT : ***Refer applicable Group Regulations***