

# CAMS

5TH CATEGORY - HISTORIC RACING

**GROUP Nb**

APPROVED VEHICLE SPECIFICATION

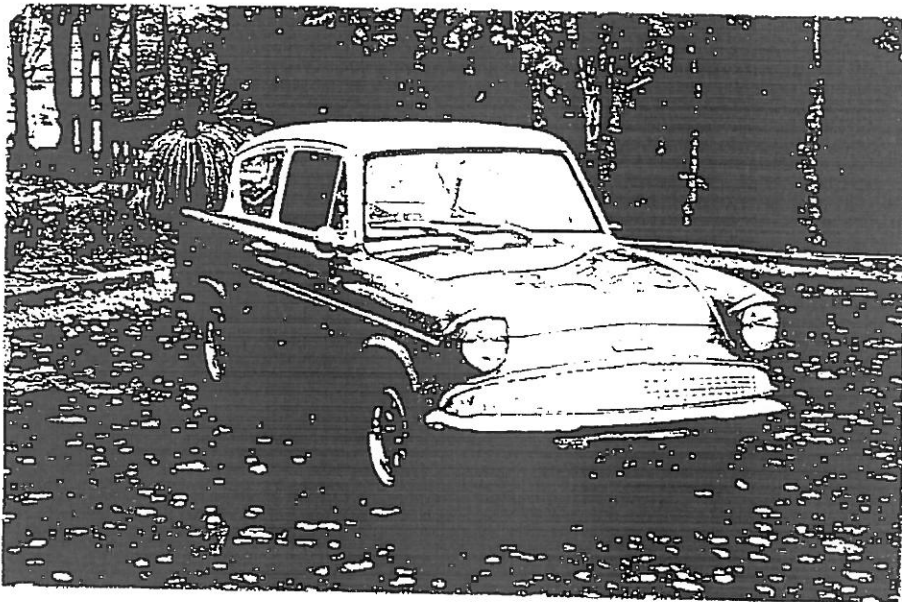
This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with an Historic Log Book, cars need to comply with these specifications, the physical appearance shown in the illustrations and the general historic rules as detailed in the current CAMS Manual of Motor Sport.

Make of Car: Anglia - Anglia Super - Anglia 1200 Model: 105E/123E

Period of Original Manufacture: September 1959 - 1967 (105E)  
1962 - 1967 (123E)

CAMS Historic Group: Nb

Date of Issue of this Document: September 1999



## SECTION 1 - CHASSIS

### 1.1 CHASSIS FRAME

<b>Description:</b>	Unitary Construction	<b>Period of Manufacture:</b>
<b>Manufacturer:</b>	Ford	1959 - 1967
<b>Chassis no. from:</b>	105E0001/ 123E0001/	
<b>Chassis no. location:</b>	Bulkhead	
<b>Material:</b>	Steel	
<b>Comments:</b>		

### 1.2 FRONT SUSPENSION

<b>Description:</b>	McPherson Strut	
<b>Spring medium:</b>	Coil	
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b> Optional
<b>Anti-sway bar:</b>	Integral with suspension	<b>Adjustable:</b> No
<b>Suspension adjustable:</b>	No	<b>Method:</b>
<b>Comments:</b>	Spring rates, ride height and sway bar diameter may be varied.	

### 1.3 REAR SUSPENSION

<b>Description:</b>	Live Axle	
<b>Spring medium:</b>	Semi Elliptic	
<b>Damper type:</b>	Lever Arm	<b>Adjustable:</b> No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>
<b>Suspension adjustable:</b>	No	<b>Method:</b>
<b>Comments:</b>	Spring rates and ride height may be varied.	

### 1.4 STEERING

<b>Type:</b>	Recirculating Ball	<b>Make:</b>	Ford
<b>Comments:</b>			

### 1.5 BRAKES

	Front	Rear
<b>Type:</b>	Drum*	Drum
<b>Dimensions:</b>	203 x 45 mm	203 x 38 mm
<b>Material of drum/disc</b>	Cast Iron	Cast Iron
<b>No. cylinders/pots per wheel:</b>	2	1
<b>Actuation:</b>	Hydraulic	N/A
<b>Caliper: Make, Material, Type:</b>	Girling	
<b>Master cylinder make:</b>	Girling	<b>Type:</b> Single
<b>Adjustable bias</b>	No	
<b>Servo Fitted</b>	No	
<b>Comments:</b>	* Front discs (231 mm) fitted to 123E "Super" only Dual circuit brakes and/or power assist optional.	

## SECTION 2 - ENGINE

### 2.1 ENGINE

<b>Make:</b>	Ford	<b>Configuration:</b>	In Line
<b>Model:</b>	105E*	<b>FOUR Stroke</b>	
<b>No. cylinders:</b>	4	<b>Max. allowed:</b>	82.46 mm
<b>Cylinder Block-material:</b>	Cast Iron	<b>Max. allowed:</b>	48.41 mm
<b>Bore - Original:</b>	80.96 mm	<b>Max. allowed:</b>	1034 cc
<b>Stroke - original:</b>	48.41 mm		
<b>Capacity - original:</b>	997 cc		
<b>Cooling method:</b>	Water Cooled		

#### Identifying marks:

**Comments:** Alternative dimensions for "Super" (109E/113E Engine):  
(original) 81 x 58.39 = 1198cc (permitted) 82.5 x 58.39 = 1249 cc.  
Later 5-main bearing engines NOT PERMITTED IN GROUP Nb

### 2.2 CYLINDER HEAD

<b>Make:</b>	Ford	<b>Inlet:</b>	1	<b>Exhaust:</b>	1
<b>No. of valves/cylinder-</b>		<b>Inlet:</b>	4	<b>Exhaust:</b>	4
<b>No. of ports total:</b>	8	<b>Location:</b>	Block	<b>Drive:</b>	Chain
<b>No. of camshafts:</b>	1				
<b>Valve actuation:</b>			Pushrod		
<b>Spark plugs/cylinder:</b>	1				

#### Identifying marks:

#### COMMENTS:

### 2.3 LUBRICATION

<b>Method:</b>	Wet Sump	<b>Oil tank location:</b>	N/A
<b>Dry sump pump type:</b>	N/A	<b>Location:</b>	N/A
<b>Oil cooler standard:</b>	No	<b>Location:</b>	N/A

#### COMMENTS:

### 2.4 IGNITION SYSTEM

<b>Type:</b>	Coil & Distributor
<b>Make:</b>	Lucas/Bosch

#### COMMENTS:

### 2.5 FUEL SYSTEM

<b>Carburettor: Make:</b>	Weber*	<b>Model :</b>	36 DC-01	<b>No:</b>	2	<b>Size:</b>	26/27
<b>Size :</b>	N/A						
<b>Fuel injection Make:</b>	No	<b>Type:</b>					
<b>Supercharged:</b>		<b>Type:</b>					

#### COMMENTS:

\* Single choke Solex original equipment on 105E  
Carburettor/s may be replaced with other make/types available in period.

## SECTION 3 - TRANSMISSION

### 3.1 CLUTCH

**Make:** Ford                      **Type:** Dry Plate                      **Diameter:** 184 mm  
**No. of Plates:** 1  
**Actuation:** Hydraulic  
**Comments:**

### 3.2 TRANSMISSION

**Type:** Ford  
**Make:**                      **Model:**  
**No. forward speeds:** 4                      **Gearbox location:** Behind Engine  
**Gearchange type and location:** Floor mounted (Direct)  
**Case material:** Cast Iron                      **Identifying marks:**  
**Comments:**

### 3.3 FINAL DRIVE

**Make:** Ford                      **Model:**  
**Wheel drive method:** Rear  
**Ratios:** Various  
**Differential:** Free                      **Type:**  
**Comments:** LSD Permitted

### 3.4 TRANSMISSION SHAFTS (EXPOSED)

**Number:** 1                      **Location:** Gearbox to Final Drive  
**Description:** Tubular tailshaft with universal joints.  
**Comments:**

### 3.5 WHEELS & TYRES

<b>Wheel type:</b>	<b>Original:</b> Bolt On	<b>Material:</b>	<b>Original:</b> Steel
	<b>Allowed:</b>		<b>Allowed:</b> Period Alloy
<b>Fixture method:</b>	4 Bolt	<b>No. studs:</b>	4
	<b>FRONT</b>		<b>REAR</b>
<b>Wheel dia. &amp; rim width</b>			
<b>Original:</b>	4 x 13 (105E)		4 x 13 (105E)
	5.5 x 13 (123E)		5.5 x 13 (123E)
<b>Allowed:</b>	6.0 x 13 (123E)		6.0 x 13 (123E)
	5.0 x 13 (105E)		5.0 x 13 (105E)
<b>Tyre section:</b>			
<b>Original:</b>	590 x 13		590 x 13
<b>Allowed:</b>	205 x 13 (123E)		205 x 13 (123E)
	185 x 13 (105E)		185 x 13 (105E)
<b>Aspect ratio - minimum:</b>			
<b>Comments:</b>	Alloy wheels permitted.		

## SECTION 4 - GENERAL

### 4.1 FUEL SYSTEM

**Tank Location:** Rear **Capacity:** 32 Litres  
**Fuel pump, type and location:** Mechanical **Make:** AC  
**Comments:** Alternate Fuel Pump/s Permitted.

### 4.2 ELECTRICAL SYSTEM

**Voltage:** 12 **Generator fitted:**  
**Battery Location:** Under Bonnet  
**Comments:**

### 4.3 BODYWORK

**Type:** 2 door sedan **Material:** Steel  
**No. of seats:** 4 **No. doors:** 2  
**Comments:**

### 4.4 DIMENSIONS

**Track - Front:** 1220 mm **Rear:** 1220 mm  
**Wheelbase:** 2290 mm **Overall length:** 3890 mm  
**Dry weight:** 735 kg  
**Comments:**

### 4.5 SAFETY EQUIPMENT

**Fire extinguisher** Required  
**Seat belt** Required  
**Rollbar** Required  
**Electrical cut off switch** Optional  
**Safety fuel tank** Optional