



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 GT Mk1

**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.

Ford Cortina Mk 1 (airflow)



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 27132 (2Dr) , 27232 & 27234 (4Dr). Not applicable for “specification only” cars  
**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 located by leaf springs, and upper trailing arms (early models were without trailing arms).  
**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**

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

## **SECTION 2 - ENGINE**

### **2.1 ENGINE**

**Make:** Ford  
**Model:** 116E, five main bearing, pre - crossflow type  
**No. cylinders:** Four **Configuration:** Inline  
**Cylinder block material:** Cast iron **Two/Four Stroke:** Four  
**Bore - Original:** 80.962 mm  
**Stroke - original:** 72.746 mm  
**Capacity - original:** 1498 cc **Max. allowed:** 1600 cc  
**Cooling method:** Liquid  
**Identifying marks:** Blocks with casting number 120E at lower left rear must be used.

### **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:** N/A

### **2.5 FUEL SYSTEM**

**Carburettor Make:** Weber **Model:** DCD22  
**Carburettor number:** One **Size:** 28/36

## **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  
**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, Semi floating hypoid  
**Wheel drive method:** Rear  
**Ratios:** 4.1, 4.4, 4.7 & 4.9:1  
**Differential type:** Free / open

### **3.4 TRANSMISSION SHAFTS (EXPOSED)**

**Number:** One  
**Description:** Tubular steel open tailshaft

### **3.5 WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Period cast	<b>Allowed:</b>	Alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Five
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	13 x 4 inch		13 x 4 inch
<b>Allowed:</b>	13 x 5 inch		13 x 5 inch
<b>Tyres original:</b>	N/A		N/A
<b>Tyres allowed:</b>	60% minimum aspect ratio, refer approved tyre list.		

## **SECTION 4 - GENERAL**

### **4.1 FUEL SYSTEM**

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

### **4.2 ELECTRICAL SYSTEM**

<b>Voltage:</b>	12	<b>Generator or Alternator:</b>	Either
<b>Battery Location:</b>	Engine compartment		

### **4.3 BODYWORK**

<b>Type:</b>	Closed touring	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Two or four

### **4.4 DIMENSIONS**

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

### **4.5 SAFETY EQUIPMENT**

***Refer applicable Group Regulations***