



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 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  
**Period of Original Manufacture:** 1970 – 1975  
**CAMS Historic Group:** Nc  
**Date of issue of this document:** May 2014

**Model:** Escort Mk 1 1300 & GT1300



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

## **SECTION 1 - CHASSIS**

### **1.1 CHASSIS FRAME**

**Description:** Unibody, two or four door sedan  
**Period of Manufacture:** 1970 to 1975  
**Manufacturer:** Ford Australia  
**Chassis no. from:** CK40????????  
**Chassis no. location:** Top of RH front suspension tower  
**Material:** Steel

### **1.2 FRONT SUSPENSION**

**Description:** Independent, McPherson strut with lower arm & sway bar  
**Spring Medium:** Coil  
**Damper Type:** Telescopic **Adjustable:** No  
**Anti-sway bar:** Fitted **Adjustable:** No  
**Suspension adjustable:** Yes **Method:** Toe control by tie rods.

### **1.3 REAR SUSPENSION**

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

### **1.4 STEERING**

**Type:** Rack & pinion **Make:** Ford

### **1.5 BRAKES**

	<b>Front</b>	<b>Rear</b>
<b>Type:</b>	Disc, solid	Drum
<b>Dimensions:</b>	218 x 9.5 mm	203 x 44.5 mm
<b>Material:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	Two	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper Make:</b>	Girling	
<b>Caliper Type:</b>	Fixed	
<b>Caliper Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Girling	<b>Type:</b> Tandem
<b>Adjustable bias:</b>	NO	
<b>Servo Fitted:</b>	Yes	

## **SECTION 2 - ENGINE**

### **2.1 ENGINE**

<b>Make:</b>	Ford		
<b>Model:</b>	"Kent" crossflow		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	OHV
<b>Cylinder block material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	81.001 mm	<b>Max. allowed:</b>	82.501 mm
<b>Stroke:</b>	62.992 mm		
<b>Capacity - original:</b>	1298 cc	<b>Max. allowed:</b>	1347 cc
<b>Cooling method:</b>	Water		
<b>Identifying marks:</b>	681F 6105AA or 711M 6105AA		

### **2.2 CYLINDER HEAD**

<b>Make:</b>	Ford				
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b>	One	<b>Exhaust:</b>	One
<b>No. of ports total:</b>	Eight	<b>Inlet:</b>	Four	<b>Exhaust:</b>	Four
<b>No. of camshafts:</b>	One	<b>Location:</b>	Block	<b>Drive:</b>	Chain
<b>Valve actuation:</b>	Pushrod & rocker				
<b>Spark plugs/cylinder:</b>	One				
<b>Identifying marks:</b>	1300: 2733E 6090A,	1300GT:	2737E 6090A		

#### **Comment**

Note the 2737E 6090A head unlike other 'Kent' heads which are completely flat, has small combustion chambers and the valves are some 2.5mm shorter. The GT pistons do not have valve reliefs in the annular crown.

### **2.3 LUBRICATION**

<b>Method:</b>	Wet sump
<b>Oil cooler standard:</b>	No

### **2.4 IGNITION SYSTEM**

<b>Type:</b>	Coil & distributor
<b>Make:</b>	Lucas or Autolite

### **2.5 FUEL SYSTEM**

<b>Carburettor Make:</b>	1300 – Ford	<b>Model:</b>	C7AH
	GT1300 - Weber		32DFE
<b>Carburettor number:</b>	1300 – One	<b>Size:</b>	25 mm
	GT1300 - one		23/24 mm

## **SECTION 3 - TRANSMISSION**

### **3.1 CLUTCH**

**Make:** Ford  
**Type:** Diaphragm  
**Diameter:** 190 mm  
**Actuation:** Hydraulic  
**No. of Plates:** One

### **3.2 TRANSMISSION**

**Type:** Synchromesh  
**Make:** Ford  
**No. forward speeds:** Four  
**Gearbox location:** Behind Engine  
**Gear change type and location:** Remote linkage on floor  
**Case material:** Cast iron  
**Identifying marks:**

#### **Comment One :**

In 1974 Ford standardised on the larger 2-litre gearbox. This gearbox, identified by the detachable bell-housing and 1 3/32" input shaft are not eligible in Group Nc.

#### **Comment Two : Component substitution**

The following gearboxes may be used upon application for component substitution, log book endorsed. Ford Type 3 & Ford Type E refer appendix.

### **3.3 FINAL DRIVE**

**Make:** Ford  
**Type:** Live axle  
**Model:** Banjo  
**Wheel drive method:** Rear  
**Ratios:** 4.1:1  
**Differential type:** Open / free  
**Comments:** Some post-1972 cars were fitted with Borg Warner Australia integral carrier rear axles. These are not Nc acceptable.

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

**Number:** One  
**Description:** One tail shaft with Hardy-Spicer type U joints, one & two piece (with centre bearing) fitted

### **3.5 WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Cast – period type	<b>Allowed:</b>	Alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	12 x 4.5 inch		12 x 4.5 inch
<b>Allowed:</b>	12 or 13 x 6 inch		12 or 13 x 6 inch
<b>Tyres allowed:</b>	60% minimum aspect ratio, refer approved tyre list.		

## SECTION 4 - GENERAL

### 4.1 FUEL SYSTEM

<b>Tank Location:</b>	RH side of boot	<b>Capacity:</b>	40 litre
<b>Fuel pump type and location:</b>	Mechanical / engine	<b>Make:</b>	Ford

### 4.2 ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator:</b>	Fitted
<b>Battery Location:</b>	Engine bay		

### 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
<b>Comments:</b>	GT1300 are two door only		

### 4.4 DIMENSIONS

<b>Track - Front:</b>	1260 mm	<b>Rear:</b>	1280 mm
<b>Wheelbase:</b>	2400 mm	<b>Overall length:</b>	3980 mm
<b>Dry weight:</b>	800kg – Two door, 825kg – Four door		

### 4.5 SAFETY EQUIPMENT

*Refer applicable Group Regulations*

#### Appendix

##### FORD TYPE 3 GEARBOX GUIDE

4 speed single rail version of the Ford 2000E gearbox. Cast iron main case with alloy tail housing. 7/8" x 20 spline input shaft. Fitted in:  
Cortina Mk2, Mk3 1.3 / 1.6 / 1.6GT, Mk4 / Mk5 1.3, 1.6 (not GT)  
Lotus Cortina 69-  
Capri Mk1 / Mk2 / Mk3 1.6 OHC, Mk1 -8/72 1.6 OHV, Mk1 2.0 V4  
Sierra 1.6



##### FORD TYPE E GEARBOX GUIDE

Ford 4 speed single rail gearbox, used for more demanding applications than the Type 3 box. It is available most often without an integral bell housing, although later boxes (usually found in Sierras) had integral bell housings. Cast iron main case with alloy tail housing. Often referred to as the 'Rocket' box. (Rocket is the name of the original close-ratio competition gearbox that was based on the Type E). 1" x 23 spline input shaft. Fitted in:  
Capri 1.6 / 2.0 82 on  
Cortina Mk3 2.0, Mk4 / Mk5 1.6GT / 2.0 / 2.3  
Escort RS2000 Mk1 / Mk2, RS Mexico Mk2  
Sierra 1.6 / 2.0 .

