



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

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

SECTION 2 - ENGINE

2.1 ENGINE

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

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 & rocker				
Spark plugs/cylinder:	One				
Identifying marks:	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

Method:	Wet sump
Oil cooler standard:	No

2.4 IGNITION SYSTEM

Type:	Coil & distributor
Make:	Lucas or Autolite

2.5 FUEL SYSTEM

Carburettor Make:	1300 – Ford	Model:	C7AH
	GT1300 - Weber		32DFE
Carburettor number:	1300 – One	Size:	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: Synchronesh
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

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

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

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

4.2 ELECTRICAL SYSTEM

Voltage:	12	Alternator:	Fitted
Battery Location:	Engine bay		

4.3 BODYWORK

Type:	Closed touring	Material:	Steel
No. of seats:	Four	No. doors:	Two or Four
Comments:	GT1300 are two door only		

4.4 DIMENSIONS

Track - Front:	1260 mm	Rear:	1280 mm
Wheelbase:	2400 mm	Overall length:	3980 mm
Dry weight:	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 .

