



5TH CATEGORY - HISTORIC RACING
GROUP N
 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 Motorsport Australia Manual.

Make of Car:	Ford	Model:	Cortina – TC
Period of Original Manufacture:	1970-1974		
Motorsport Australia Historic Group:	Nc		
Date of Issue of this Document:	1 January 2024		



Refer to The *Manual*, Historic Appendix, Vehicle Eligibility, General Requirements & Historic Touring Cars Group N Regulations for permitted modifications.

Update Log

1/1/2024	Inclusion of kerb and minimum racing weights

SECTION 1 - CHASSIS

CHASSIS

Description:	Unitary construction		
Period of Manufacture:	1970-1974		
Manufacturer:	Ford		
Chassis Number From:			
Chassis Number location:			
Material:	Steel		
Comments	None		

FRONT SUSPENSION

Description:	Independent with double wishbone		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Toe
Comments:	Refer to Appendix A.		

REAR SUSPENSION

Description:	Independent with double wishbone		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Refer to Appendix A.		

STEERING

Type:	Rack and Pinion	Make:	Ford
Comments	None		

BRAKES

	Front	Rear
Type:	Disc, solid	Drum
Dimensions:	12.7 mm x 247.5 mm	228 x 44.5 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:	Twin Cylinder	
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Dual	
Adjustable bias:	None	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

ENGINE

Make:	Ford		
Model:	Pinto		
No. cylinders:	Four	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Identifying marks:			
Bore – Original - 2000:	90.80 mm	Max allowed:	92.30 mm
Stroke - original - 2000:	76.95 mm	Max allowed:	76.95 mm
Capacity - original - 2000:	1993 cc	Max allowed:	2059 cc
Cooling method:	Liquid		
Comments:	None		

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: OHC	Drive: Belt
Valve actuation:	Finger followers		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
Comments:	None		

LUBRICATION

Method:	Wet sump	Oil tank location:	N/A
Dry sump pump type:	N/A	Location:	N/A
Oil cooler standard:	No	Location:	N/A
Comments:	None		

IGNITION SYSTEM

Type:	Points, coil and distributor
Make:	Autolite/Bosch
Comments	Breakerless electronic ignition permitted

FUEL SYSTEM

Carburettor Make:	Weber	Model:	DGAV
Carburettor Number:	One		
Size:	32/36		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

CLUTCH

Make:	Ford
Type:	Diaphragm
Diameter:	215.9 mm
No. of Plates:	One
Actuation:	Cable
Comments:	None

TRANSMISSION

Type:	Synchromesh
Make:	Ford – Type E single rail Refer Appendix A
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Remote central floor control
Case material:	Cast iron with separate cast iron bell housing
Identifying marks:	N/A
Comments:	This gearbox, identified by the detachable bellhousing and 1" 23 spline input shaft is eligible in Group Nc.

FINAL DRIVE

Make:	Ford	Model:	Salisbury type
Type:	Live rear axle, Semi floating hypoid		
Ratios:	Various		
Differential type:	Salisbury		
Comments:	None		

TRANSMISSION SHAFTS (EXPOSED)

Number:	One.
Location:	Gearbox to final drive
Description:	Tubular and Open tail shaft with twin uni joints.
Comments:	One

WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Steel Alloy (period style)	Material - Allowed:	Steel Alloy
Fixture method:	Studs and nuts	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	5.5" x 13"		5.5" x 13"
Allowed	7" x 13"		7" x 13"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

SECTION 4 GENERAL

FUEL SYSTEM

Tank Location:	Floor of boot	Capacity:	54 litres
Fuel pump, type:	Mechanical on engine block	Make:	Ford
Comments:	None		

ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Alternator
Battery Location:	Engine bay		
Comments:	None		

BODYWORK

Type:	Closed touring	Material:	Steel
No. of seats:	Four	No. doors:	Four
Comments:	None		

DIMENSIONS

Track - Front:	1422 mm	Rear:	1422 mm
Wheelbase:	2578 mm	Overall length:	4260 mm
Approved Manufacturer's kerb weight:	960 kgs		
Approved minimum racing weight:	936 kgs		
Comments:	None		

SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.

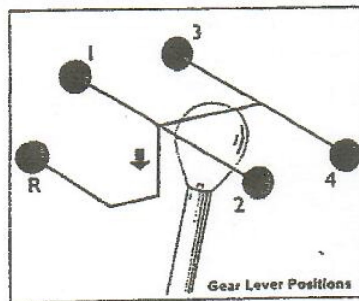
Suspension

Type E Single Rail



Features:

- Single rail
- Reverse is next to first gear (LHS)



- Case is cast iron, tail housing is alloy
- Starter motor is on the driver's side