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 – GT Mark II
Period of Original Manufacture:	1969-1971		
Motorsport Australia Historic Group:	Nc		
Date of Issue of this Document:	1 April 2025		

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

Update Log

1/1/2024	Inclusion of kerb and minimum racing weights
26/2/2025	Adjustment of vehicle weights

SECTION 1 - CHASSIS

CHASSIS

Description:	Unitary construction
Period of Manufacture:	1969-1971
Manufacturer:	Ford
Chassis Number From:	
Chassis Number location:	
Material:	Steel
Comments	This Specification sheet relates to the 1600cc cross-flow engine model introduced later in 1969

FRONT SUSPENSION

Description:	Independent - by MacPherson Strut with lower arm and sway bar			
Spring Medium:	Coil			
Damper Type:	Telescopic incorporated in strut		**Adjustable:**	No
Anti-sway bar:	Yes		**Adjustable:**	No
Suspension adjustable:	Yes	**Method:**	Toe	
Comments:	Refer to Appendix A.			

REAR SUSPENSION

Description:	Live axle located by leaf springs, and upper trailing arms (early models were without trailing arms).			
Spring Medium:	Semi elliptical leaf			
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:	Recirculating ball	**Make:**	Ford
Comments	Original form including rod ends must be retained		

BRAKES

	Front	**Rear**
Type:	Disc, solid	Drum
Dimensions:	12.7 mm x 244 mm	229 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:	Single Cylinder	
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	None	
Servo Fitted:	No	
Comments:	None	

This form was issued without alteration or erasure.

SECTION 2 - ENGINE

ENGINE

Make:	Ford		
Model:	2737E crossflow engine		
No. cylinders:	Four	**Configuration:**	In-line
Cylinder Block-material:	Cast iron	**Two/Four Stroke:**	Four
Bore - Original:	80.97 mm	**Max allowed:**	82.47 mm
Stroke - original:	77.62 mm	**Max allowed:**	77.62 mm
Capacity - original:	1599 cc	**Max allowed:**	1660 cc
Identifying marks:	691M-6015BA		
Cooling method:	Liquid		
Comments:	Any 8.21" height deck block with the following Engine Casting Block number: 681F-6015BA, 691M-6015BA, 691F-6015BA, 711M-6015BA, as well as new Ford Motorsport block Part number M-6010-16L.		

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 and Rocker				
Spark plugs/cylinder:	One				
Identifying marks:	N/A				
Comments:	Cylinder head is a crossflow type.				

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:	Lucas/Autolite
Comments	Breakerless electronic ignition permitted

FUEL SYSTEM

Carburettor Make:	Weber	**Model:**	DCD22
Carburettor Number:	One		
Size:	28/36		
Fuel injection Make:	N/A	**Type:**	N/A
Supercharged:	No	**Type:**	N/A
Comments:	None		

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SECTION 3 - TRANSMISSION

CLUTCH

Make:	Ford
Type:	Coil spring
Diameter:	203 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

TRANSMISSION

Type:	Synchromesh
Make:	Type 3 single rail Refer Appendix A
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Remote change in extension housing
Case material:	Cast iron with separate cast iron bell housing
Identifying marks:	N/A
Comments:	Aluminium drive line components Homologated for MK 1 Lotus Cortinas are not legal for other models.

FINAL DRIVE

Make:	Ford	**Model:**	'English 'Banjo type
Type:	Live rear axle, Semi floating hypoid		
Ratios:	Various		
Differential type:	Banjo		
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:	4" x 13"		4" 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		

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SECTION 4 GENERAL

FUEL SYSTEM

Tank Location:	Floor of boot	**Capacity:**	44.5 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:	1270 mm	**Rear:**	1270 mm
Wheelbase:	2490 mm	**Overall length**:	4280 mm
Approved Manufacturer's kerb weight:	875 kgs		
Approved minimum racing weight:	849 kgs		
Comments:	None		

SAFETY EQUIPMENT

Refer applicable Group Regulations

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Appendix A

Suspension

Front

Adjustable strut top mounts and dampers permitted. Spring platform location may be changed; adjustable spring platforms are permitted. Spring height adjustment permitted.

Rear

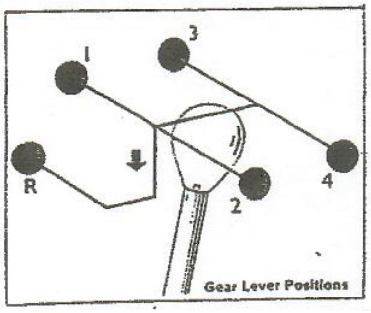
Additional lateral and longitudinal linkages permitted; adjustable dampers permitted. Rear damper original upper mountings must be used; 'turret' style upper mountings (where modification to body floor pan is necessary) are NOT permitted.
Spring height adjustment permitted.

Gearboxes

Make: **Type 3 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
- 7/8" x 20 spline input shaft

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