



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.

<b>Make of Car:</b>	Ford	<b>Model:</b>	Cortina – GT Mark II
<b>Period of Original Manufacture:</b>	1969-1971		
<b>Motorsport Australia Historic Group:</b>	Nc		
<b>Date of Issue of this Document:</b>	28 September 2021		



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

***Update Log***


**SECTION 1 - CHASSIS**

**CHASSIS**

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

**FRONT SUSPENSION**

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

**REAR SUSPENSION**

<b>Description:</b>	Live axle located by leaf springs, and upper trailing arms (early models were without trailing arms).		
<b>Spring Medium:</b>	Semi elliptical leaf		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	Refer to Appendix A.		

**STEERING**

<b>Type:</b>	Recirculating ball	<b>Make:</b>	Ford
<b>Comments</b>	Original form including rod ends must be retained		

**BRAKES**

	<b>Front</b>	<b>Rear</b>
<b>Type:</b>	Disc, solid	Drum
<b>Dimensions:</b>	12.7 mm x 244 mm	229 x 44.5 mm
<b>Material of drum/disc:</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>	Single Cylinder	
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Girling	
<b>Type:</b>	Single	
<b>Adjustable bias:</b>	None	
<b>Servo Fitted:</b>	No	
<b>Comments:</b>	None	

**SECTION 2 - ENGINE**

**ENGINE**

<b>Make:</b>	Ford		
<b>Model:</b>	2737E crossflow engine		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	80.97 mm	<b>Max allowed:</b>	82.47 mm
<b>Stroke - original:</b>	77.62 mm	<b>Max allowed:</b>	77.62 mm
<b>Capacity - original:</b>	1599 cc	<b>Max allowed:</b>	1660 cc
<b>Identifying marks:</b>	691M-6015BA		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	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**

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

**LUBRICATION**

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

**IGNITION SYSTEM**

<b>Type:</b>	Points, coil and distributor		
<b>Make:</b>	Lucas/Autolite		
<b>Comments:</b>	Breakerless electronic ignition permitted		

**FUEL SYSTEM**

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

**SECTION 3 - TRANSMISSION**

**CLUTCH**

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

**TRANSMISSION**

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

**FINAL DRIVE**

<b>Make:</b>	Ford	<b>Model:</b>	'English 'Banjo type
<b>Type:</b>	Live rear axle, Semi floating hypoid		
<b>Ratios:</b>	Various		
<b>Differential type:</b>	Banjo		
<b>Comments:</b>	None		

**TRANSMISSION SHAFTS (EXPOSED)**

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

**WHEELS & TYRES**

<b>Wheel type - Original:</b>	Pressed disc	<b>Material - Original:</b>	Steel
<b>Wheel type - Allowed:</b>	Steel Alloy (period style)	<b>Material - Allowed:</b>	Steel Alloy
<b>Fixture method:</b>	Studs and nuts	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4" x 13"		4" x 13"
<b>Allowed</b>	7" x 13"		7" x 13"
<b>Tyre Section:</b>			
<b>Allowed:</b>	Refer approved tyre list.		
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	None		

## SECTION 4 GENERAL

### FUEL SYSTEM

<b>Tank Location:</b>	Floor of boot	<b>Capacity:</b>	44.5 litres
<b>Fuel pump, type:</b>	Mechanical on engine block	<b>Make:</b>	Ford
<b>Comments:</b>	None		

### ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Engine bay		
<b>Comments:</b>	None		

### BODYWORK

<b>Type:</b>	Closed touring	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Four
<b>Comments:</b>	None		

### DIMENSIONS

<b>Track - Front:</b>	1270 mm	<b>Rear:</b>	1270 mm
<b>Wheelbase:</b>	2490 mm	<b>Overall length:</b>	4280 mm
<b>Dry weight:</b>	820 kg		
<b>Comments:</b>	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

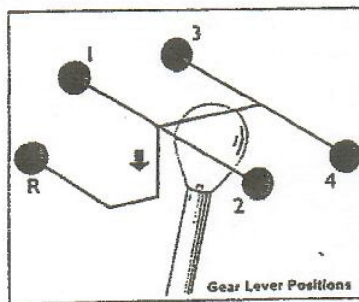
Make:

#### 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