

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 – 220,240 and 440
Period of Original Manufacture:	220 – 1965 – 1967 240 and 440 - 1963-1966		
Motorsport Australia Historic Group:	Nb		
Date of Issue of this Document:	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

Description:	Uni body, two or four door sedan
Period of Manufacture:	1963-1967
Manufacturer:	Ford
Chassis Number From:	Body model codes are 12414, 12433 and 12434
Chassis Number location:	Late model vehicles have ID on firewall
Material:	Steel
Comments	The specification sheet relates to both early model (with parking lights separate from grille) and the "Airoflow Ventilation" model introduced in September 1964.

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 rear axle with trailing links		
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	224 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	

SECTION 2 - ENGINE

ENGINE

Make:	Ford		
Model:	Pre - cross flow type		
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:	72.8 mm	Max allowed:	72.8 mm
Capacity - original:	1498 cc	Max allowed:	1600 cc
Identifying marks:	120E-6015, 120E-6015BA, 2731-6015BA		
Cooling method:	Liquid		
Comments:	Any 7.78" height deck block with the following Engine Casting Block number: 116E-6015BA, 118E-6015BA, 120E-6015, 120E-6015BA, 2731-6015BA, 3020-6015BA, 681F-6015BA, 701M-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 pre-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:	Ford/Zenith	Model:	VN
Carburettor Number:	One		
Size:	Various		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

CLUTCH

Make:	Ford
Type:	Coil spring
Diameter:	191 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

TRANSMISSION

Type:	Synchromesh
Make:	Ford – Type 2000E Refer Appendix A
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Centre lever shift
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		
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:	None

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	6" x 13"		6" 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:	RH side of boot	Capacity:	40 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:	Two or four
Comments:	None		

DIMENSIONS

Track - Front:	1290 mm plus or minus 25 mm	Rear:	1270 mm plus or minus 25mm
Wheelbase:	2489 mm plus or minus 25mm	Overall length:	4275 mm
Dry weight:	790 kg - 2 door 818 kg – 4 door		
Comments:	220 model has unique steel grille with five horizontal bars. Body has “flow-through” ventilation system.		

SAFETY EQUIPMENT

Refer applicable Group Regulations

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.

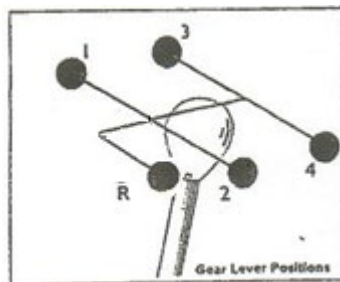
Gearboxes

Type 2000E with centre lever shift



Features:

- Three rail
- Reverse is next to second



- Case and tail housing are cast iron
- Starter motor on driver's side
- 7/8" spline input shaft