



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:	Zephyr – Mark 3
Period of Original Manufacture:	1962 – 1966		
Motorsport Australia Historic Group:	Na		
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

1.1. CHASSIS

Description:	Uni body
Period of Manufacture:	1962- 1966
Manufacturer:	Ford Motor Company
Chassis Number From:	206E*****
Chassis Number location:	Firewall
Material:	Steel
Comments	None

1.1. 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:	Caster, camber and toe
Comments:	Refer Appendix A		

1.2. 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 Appendix A		

1.3. STEERING

Type:	Recirculating ball	Make:	Ford
Comments	None		

1.4. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	247 mm x 13 mm	228 mm x 44.45 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Ford		
Model:	211E		
No. cylinders:	Six	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	82.6 mm	Max allowed:	84.1 mm
Stroke - original:	79.5 mm	Max allowed:	79.5 mm
Capacity - original:	2553 cc	Max allowed:	2651 cc
Identifying marks:	211E*****		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Ford		
No. of valves/cylinder:	Two	Inlet:	One
No. of ports total:	Seven	Inlet:	Three
No. of camshafts:	One	Location:	Block
Valve actuation:	Pushrod and rocker		
Spark plugs/cylinder:	One		
Exhaust:	One		
Identifying marks:	N/A		
Comments:	None		

2.3. 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		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	Zenith	Model:	36WLA
Carburettor Number:	One		
Size:	36 mm		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Coil
Diameter:	216 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Syncromesh
Make:	Ford
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Column change
Case material:	Cast iron
Identifying marks:	N/A
Comments:	Floor shift was a Ford UK available option

3.3. FINAL DRIVE

Make:	Ford	Model:	N/A
Type:	Live rear axle		
Ratios:	3.90:1		
Differential type:	Hypoid bevel		
Comments:	None		

3.4. TRANSMISSION SHAFTS (EXPOSED)

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

3.1. WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Steel Alloy (period style)	Material - Allowed:	Steel Alloy
Fixture method:	Bolt on	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	4.5" x 13"		4.5" x 13"
Allowed	5" x 13"		5" x 13"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	In boot floor	Capacity:	45 litres
Fuel pump, type:	Mechanical on block	Make:	AC
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Generator
Battery Location:	RH side Firewall		
Comments:	None		

4.3. BODYWORK

Type:	Sedan	Material:	Steel
No. of seats:	Five	No. doors:	Four
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1346 mm	Rear:	1321 mm
Wheelbase:	2718 mm	Overall length:	4591 mm
Approved Manufacturer's kerb weight:	1252 kgs		
Approved minimum racing weight:	1227 kgs		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

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.