



5TH CATEGORY - HISTORIC RACING GROUP S APPROVED VEHICLE SPECIFICATION
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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:	AC Ace	Model:	2.6
Period of Original Manufacture:	1961 – 1963 (Ruddspeed conversions)		
Motorsport Australia Historic Group:	Sb		
Date of Issue of this Document:	30/6/2022		



Update Log

30/6/2022	Document layout

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Tubular ladder frame		
Period of Manufacture:	March 1961 - December 1963		
Manufacturer:	AC		
Chassis Number From:	RS5000 - RS5036		
Chassis Number location:	On footbox "x" = Export		
Material:	Mild steel		
Comments	None		

1.2. FRONT SUSPENSION

Description:	Independent Front Suspension Transverse leaf and wishbone		
Spring Medium:	Transverse leaf spring (9 leaves, taped)		
Damper Type:	Tubular	Adjustable:	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	None		

1.3. REAR SUSPENSION

Description:	Independent Rear Suspension Transverse leaf and wishbone		
Spring Medium:	Transverse leaf spring (9 leaves, taped)		
Damper Type:	Tubular	Adjustable:	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	None		

1.4. STEERING

Type:	Bishop cam	Make:	
Comments	Some cars fitted with Rack and Pinion		

1.5. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	11¾"	11"
Material of drum/disc:	Cast iron	Cast iron Aluminium fin
No. cylinders/pots per wheel:	One Or 3 (Girling 17/3J)	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:		
Material:		
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Some cars fitted with 3 pot Girling calipers as brake servos	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Ford Zephyr		
Model:	Mark 2 206E		
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:	2557 cc	Max allowed:	2651 cc
Identifying marks:	206E*****		
Cooling method:	Liquid		
Comments:	Rudds peed Stage 1 or 2 acceptable		

2.2. CYLINDER HEAD

Make:	Ford Zephyr		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Twelve	Inlet: Six	Exhaust: Six
No. of camshafts:	One	Location: Block	Drive: Gear
Valve actuation:	Overhead valve		
Spark plugs/cylinder:	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
Comments:	None

2.5. FUEL SYSTEM

Carburettor Make:	SU	Model:	H4
Carburettor Number:	Three		
Size:	1½		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Bore size unrestricted		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Diaphragm
Diameter:	8½"
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Four speed (overdrive optional)
Make:	Moss – same as early 3.8E Type Jaguar)
Gearbox location:	Bolted to engine
No. forward speeds:	Four
Gearchange type and location:	Lever centre floor
Case material:	Cast iron. Aluminium bellhousing
Identifying marks:	
Comments:	Overdrive optional

3.3. FINAL DRIVE

Make:	AC	Model:	
Type:	Hypoid bevel drive assembly		
Ratios:	Various		
Differential type:	Free		
Comments:	LSD allowed		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Differential and rear hubs
Description:	Hardy Spicer shafts
Comments:	

3.5. WHEELS & TYRES

Wheel type - Original:	Dunlop Wire	Material - Original:	
Wheel type - Allowed:	Alloy	Material - Allowed:	Cast
Fixture method:	Knock on	No. studs:	N/A
Wheel dia. & rim width	FRONT		REAR
Original:	16"		16"
Allowed	16" x 6" 15" x 6"		A6" x 6" 15" x 6'
Tyre Section:			
Original:	550 x 16"		550 x 16"
Allowed:	195 x 16" 195 x 15"		195 x 16" 195 x 15"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list. 15" wheel applicable as extras in period		

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SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Boot	Capacity:	52 litres
Fuel pump, type:	Mechanical	Make:	AC
Comments:	Electric pump allowed		

4.2. ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Generator
Battery Location:			
Comments:	None		

4.3. BODYWORK

Type:	Open sports	Material:	Aluminium Steel frame
No. of seats:	Two	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1270 mm	Rear:	1270 mm
Wheelbase:	2286 mm	Overall length:	3848 mm
Dry weight:	1904 lbs		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix