



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:	Simca Aronde	Model:	Elysee 90A
Period of Original Manufacture:	1956 – 1958		
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:	Unitary construction		
Period of Manufacture:	1956 – 1958		
Manufacturer:	Simca		
Chassis Number From:	4810441 -2800001		
Chassis Number location:	Plate on scuttle		
Material:	Steel		
Comments	None		

1.2. FRONT SUSPENSION

Description:	Independent - upper and lower wishbones		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	N/A
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	Yes	Method:	Caster, camber and toe
Comments:	Refer Appendix A		

1.3. REAR SUSPENSION

Description:	Live rear axle		
Spring Medium:	Semi elliptical leaf		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	Yes	Method:	Spring height
Comments:	Refer Appendix A		

1.4. STEERING

Type:	Worm and Roller	Make:	Simca
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	254mm x 51 mm	254mm x 51 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	N/A	
Caliper type:	N/A	
Material:	N/A	
Master cylinder make:	Lockheed	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Simca		
Model:	Flash		
No. cylinders:	Four	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	74 mm	Max allowed:	75.5 mm
Stroke - original:	75 mm	Max allowed:	75 mm
Capacity - original:	1292 cc	Max allowed:	1342 cc
Identifying marks:	N/A		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Simca		
No. of valves/cylinder:	Two	Inlet:	One
		Exhaust:	One
No. of ports total:	Five	Inlet:	Two
		Exhaust:	Three
No. of camshafts:	One	Location:	Block
		Drive:	Chain
Valve actuation:	Pushrod and rocker		
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, distributor & coil		
Make:	Lucas		
Comments	Breakerless electronic ignition permitted		

2.5. FUEL SYSTEM

Carburettor Make:	Solex	Model:	PBIC
Carburettor Number:	One		
Size:	32 mm		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Simca
Type:	Dry plate
Diameter:	203 mm
No. of Plates:	One
Actuation:	Mechanical
Comments:	None

3.2. TRANSMISSION

Type:	Syncromesh
Make:	Simca
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Column change, floor change optional
Case material:	Alloy
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	Simca	Model:	Aronde
Type:	Live axle		
Ratios:	4.875:1		
Differential type:	Hypoid bevel		
Comments:	None		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to final drive
Description:	Open tail shaft with twin uni joints
Comments:	none

3.5. WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Alloy (period style)	Material - Allowed:	Steel Alloy
Fixture method:	Bolt on	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4" x 14"		4" x 14"
Allowed	5" x 14" 5" x 15"		5" x 14" 5" x 15"
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:	Rear	Capacity:	40 litres
Fuel pump, type:	Mechanical on block	Make:	SEV
Comments:	None		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

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

4.4. DIMENSIONS

Track - Front:	1255 mm	Rear:	1250 mm
Wheelbase:	2443 mm	Overall length:	4115 mm
Approved Manufacturer's kerb weight:	930 kgs		
Approved minimum racing weight:	907 kgs		
Comments:			

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.