



5TH CATEGORY - HISTORIC RACING
GROUP S
 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:	Alpine-Renault	Model:	A310 V6
Period of Original Manufacture:	1976 – 1984		
Motorsport Australia Historic Group:	Sc		
Date of Issue of this Document:	31/12/2024		



Update Log

30/6/2022	Document layout
31/12/2024	Inclusion of kerb and minimum racing weights

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Steel frame
Period of Manufacture:	1976 – 1984
Manufacturer:	Societes des Automobiles Alpine Renault
Chassis Number From:	43015 through 52093
Chassis Number location:	Front left chassis rail
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent by upper and lower wishbone		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Camber/caster
Comments:	Spring rates and ride heights may be adjusted		

1.3. REAR SUSPENSION

Description:	Independent by upper and lower wishbone		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Toe in only
Comments:	None		

1.4. STEERING

Type:	Rack and pinion	Make:	Renault
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc, vented	Disc, solid
Dimensions:	253 mm x 12 mm	253 x 12 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	DBR	
Caliper type:	fixed	
Material:	Cast iron	
Master cylinder make:	DBR	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Dual or tandem master cylinders permitted	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Renault/Volvo/Peugeot		
Model:	2700VA		
No. cylinders:	Six	Configuration:	Vee – 90 degree
Cylinder Block-material:	Aluminium	Two/Four Stroke:	Four
Bore - Original:	88 mm	Max allowed:	89.5 mm
Stroke - original:	73 mm	Max allowed:	73 mm
Capacity - original:	2664 cc	Max allowed:	2755 cc
Identifying marks:	Timing cover and block LHS 112.7.xxxx (xxxx = engine number)		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Renault/Volvo/Peugeot		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Six	Inlet: One	Exhaust: One
No. of camshafts:	Two	Location: Head	Drive: Chain
Valve actuation:	Rockers		
Spark plugs/cylinder:	One		
Identifying marks:			
Comments:	None		

2.3. LUBRICATION

Method:	Wet sump	Oil tank location:	In sump
Dry sump pump type:	N/A	Location:	N/a
Oil cooler standard:	No	Location:	N/A
Comments:	Oil cooler fitted in engine bay		

2.4. IGNITION SYSTEM

Type:	Points, Twin Coils and Distributor		
Make:	Ducellier		
Comments	Breakerless electronic ignition permitted		

2.5. FUEL SYSTEM

Carburettor Make:	Solex	Model:	34 TBIA 35 CEEI
Carburettor Number:	Two		
Size:			
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	DBR/Lockheed
Type:	Dry
Diameter:	235 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	367 Transaxle
Make:	Renault
Gearbox location:	Under rear seats
No. forward speeds:	Four
Gearchange type and location:	Floor mounted between front seats
Case material:	Alloy
Identifying marks:	"367"
Comments:	None

3.3. FINAL DRIVE

Make:	Renault	Model:	367
Wheel drive method	Articulated drive shafts, cv joints		
Ratios:	3:44:1		
Differential type:	Hypoid		
Comments:	Fitted with LSD		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Transaxle to rear wheels
Description:	Individual driveshafts
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Alloy cast	Material - Original:	Alloy
Wheel type - Allowed:	Period alloy	Material - Allowed:	Period alloy
Fixture method:	Studs	No. studs:	Three
Wheel dia. & rim width	FRONT		REAR
Original:	7" x 13"		7" x 13"
Allowed	7" x 13"		7" x 13"
Tyre Section:			
Original:	185 x 13"		185 x 13"
Allowed:	205 x 1"		205 x 1"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Front	Capacity:	55 litres
Fuel pump, type:	Electric	Make:	Facet
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Alternator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Coupe	Material:	Fibreglass
No. of seats:	Four	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1404 mm	Rear:	1430 mm
Wheelbase:	2270 mm	Overall length:	4180 mm
Approved Manufacturer's kerb weight:	1015 kg		
Approved minimum racing weight:	924 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix