



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.

<b>Make of Car:</b>	Renault	<b>Model:</b>	R8 Gordini
<b>Period of Original Manufacture:</b>	1963 – 1967 – 1100 (R1134) 1965 – 1968 1300 (R1135)		
<b>Motorsport Australia Historic Group:</b>	Nc		
<b>Date of Issue of this Document:</b>	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

<b>Description:</b>	Unitary construction		
<b>Period of Manufacture:</b>	1963 – 1967 – 1100 (R1134) 1965 – 1968 1300 (R1135)		
<b>Manufacturer:</b>	Renault		
<b>Chassis Number From:</b>	N/A		
<b>Chassis Number location:</b>	Front compartment on firewall		
<b>Material:</b>	Steel		
<b>Comments</b>	None		

### 1.2. FRONT SUSPENSION

<b>Description:</b>	Independent - upper and lower wishbones		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	Fitted	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Caster, camber and toe
<b>Comments:</b>	None		

### 1.3. REAR SUSPENSION

<b>Description:</b>	Independent - swinging axles		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	None		

### 1.4. STEERING

<b>Type:</b>	Rack and pinion	<b>Make:</b>	Renault
<b>Comments</b>	None		

### 1.5. BRAKES

	Front	Rear
<b>Type:</b>	Disc, solid	Disc, solid
<b>Dimensions:</b>	261 mm x 40 mm	261 mm x 40 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	One	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	Renault	
<b>Caliper type:</b>	Sliding	
<b>Material:</b>	Alloy	
<b>Master cylinder make:</b>	Renault	
<b>Type:</b>	Single	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Renault		
<b>Model:</b>	R8 1100 R8 1300		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore – Original - 1100:</b>	70 mm	<b>Max allowed:</b>	71.5 mm
<b>Stroke – original - 1100:</b>	72 mm	<b>Max allowed:</b>	72 mm
<b>Capacity – original – 1100:</b>	1100 cc	<b>Max allowed:</b>	1155 cc
<b>Bore – Original - 1300:</b>	75.8 mm	<b>Max allowed:</b>	77.3 mm
<b>Stroke – original - 1300:</b>	72 mm	<b>Max allowed:</b>	72 mm
<b>Capacity – original - 1300:</b>	1300 cc	<b>Max allowed:</b>	1350 cc
<b>Identifying marks:</b>	N/A		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Renault		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b> One	<b>Exhaust:</b> One
<b>No. of ports total:</b>	Eight	<b>Inlet:</b> Four	<b>Exhaust:</b> Four
<b>No. of camshafts:</b>	One	<b>Location:</b> Block	<b>Drive:</b> Chain
<b>Valve actuation:</b>	Pushrod and rocker		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	None		

### 2.3. LUBRICATION

<b>Method:</b>	Wet sump	<b>Oil tank location:</b>	N/A
<b>Dry sump pump type:</b>	N/A	<b>Location:</b>	N/A
<b>Oil cooler standard:</b>	Yes	<b>Location:</b>	Engine compartment
<b>Comments:</b>	None		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Points, coil and distributor		
<b>Make:</b>	Ducellier		
<b>Comments</b>	Breakerless electronic ignition permitted		

### 2.5. FUEL SYSTEM

<b>Carburettor Make:</b>	Weber	<b>Model:</b>	DCOE
<b>Carburettor Number:</b>	Two		
<b>Size:</b>	40 mm		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Renault
<b>Type:</b>	Dry plate
<b>Diameter:</b>	250 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Mechanical – cable
<b>Comments:</b>	None

**3.2. TRANSMISSION**

<b>Type:</b>	Transaxle
<b>Make:</b>	Renault R8
<b>Gearbox location:</b>	Rear
<b>No. forward speeds:</b>	Four - R1134 Five – R1135
<b>Gearchange type and location:</b>	Floor -remote
<b>Case material:</b>	Alloy
<b>Identifying marks:</b>	N/A
<b>Comments:</b>	None

**3.3. FINAL DRIVE**

<b>Make:</b>	Renault	<b>Model:</b>	R8
<b>Type:</b>	Gearbox, differential and bevel gear are housed in a single aluminium alloy casing.		
<b>Ratios:</b>	3.77:1, 4.57:1		
<b>Differential type:</b>	LSD		
<b>Comments:</b>	None		

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	Two
<b>Location:</b>	Transaxle to rear wheels
<b>Description:</b>	Individual driveshafts with universal and C/V joints
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

<b>Wheel type - Original:</b>	Pressed disc	<b>Material - Original:</b>	Steel
<b>Wheel type - Allowed:</b>	Steel Alloy (period style)	<b>Material - Allowed:</b>	Steel Alloy
<b>Fixture method:</b>	Bolt on	<b>No. studs:</b>	Three
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	3.5" x 15"		3.5" x 15"
<b>Allowed</b>	6" x 15"		6" x 15"
<b>Tyre Section:</b>			
<b>Allowed:</b>	Refer approved tyre list.		
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	None		

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Front and rear	<b>Capacity:</b>	Front – 42 litres Rear – 40 litres
<b>Fuel pump, type:</b>	Engine block	<b>Make:</b>	Renault
<b>Comments:</b>	None		

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Front left side wheel arch		
<b>Comments:</b>	None		

### 4.3. BODYWORK

<b>Type:</b>	Sedan	<b>Material:</b>	Steel
<b>No. of seats:</b>	Four	<b>No. doors:</b>	Four
<b>Comments:</b>	None		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1256 mm	<b>Rear:</b>	1256 mm
<b>Wheelbase:</b>	2270 mm	<b>Overall length:</b>	3995 mm
<b>Approved Manufacturer's kerb weight:</b>	855 kgs		
<b>Approved minimum racing weight:</b>	829 kgs		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix**