



<b>5TH CATEGORY - HISTORIC RACING</b> <b>GROUP S</b> <b>APPROVED VEHICLE SPECIFICATION</b>
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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.

<b>Make of Car:</b>	Datsun	<b>Model:</b>	SR311 Sport 1600 & 2000
<b>Period of Original Manufacture:</b>	1600 - 1965 to 1972 2000 - 1967 to 1972		
<b>Motorsport Australia Historic Group:</b>	Sb		
<b>Date of Issue of this Document:</b>	30/6/2022		



***Update Log***

30/6/2022	Document layout

## SECTION 1 - CHASSIS

### 1.1. CHASSIS

<b>Description:</b>	Ladder with cruciform
<b>Period of Manufacture:</b>	1600 - 1965 to 1972 2000 - 1967 to 1972
<b>Manufacturer:</b>	Datsun (Nissan Motor Company)
<b>Chassis Number From:</b>	1600 - RHD – SP311 – 00001 1600 - LHD – SPL311 – 00001 2000 - RHD – SR311 – 00001 2000 - LHD – SRL311 – 00001
<b>Chassis Number location:</b>	Firewall – RHS
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.2. FRONT SUSPENSION

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

### 1.3. REAR SUSPENSION

<b>Description:</b>	Live axle		
<b>Spring Medium:</b>	Semi elliptic leaf		
<b>Damper Type:</b>	Telescopic	<b>Adjustable</b>	No
<b>Anti-sway bar:</b>	None	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	Torque rod fitted to RH side of chassis as standard.		

### 1.4. STEERING

<b>Type:</b>	Cam and lever	<b>Make:</b>	Datsun
<b>Comments</b>	None		

### 1.5. BRAKES

	Front	Rear
<b>Type:</b>	Disc (solid)	Drum
<b>Dimensions:</b>	279.4 mm x 12 mm	228.6 mm x 40 mm
<b>Material of drum/disc:</b>	Cast iron	Aluminium alloy
<b>No. cylinders/pots per wheel:</b>	One	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	Dunlop	
<b>Caliper type:</b>	Fixed	
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	NABCO	
<b>Type:</b>	Tandem	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	No	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Datsun		
<b>Model:</b>	R16 – 1600 U20 – 2000		
<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 – 1600:</b>	87.20 mm	<b>Max allowed:</b>	88.70 mm
<b>Stroke – original - 1600:</b>	66.80 mm	<b>Max allowed:</b>	66.80 mm
<b>Capacity – original - 1600:</b>	1596 cc	<b>Max allowed:</b>	1651 cc
<b>Bore – Original – 2000:</b>	87.2 mm	<b>Max allowed:</b>	87.2 mm
<b>Stroke – original - 2000:</b>	83.00 mm	<b>Max allowed:</b>	83.00 mm
<b>Capacity – original - 2000:</b>	1983 cc	<b>Max allowed:</b>	2052 cc
<b>Identifying marks:</b>	N/A		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Datsun		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b> One	<b>Exhaust:</b> One
<b>No. of ports total:</b>	Four	<b>Inlet:</b> Two	<b>Exhaust:</b> Two
<b>No. of camshafts:</b>	One	<b>Location:</b> R16 – Block U20 - Head	<b>Drive:</b> Chain
<b>Valve actuation:</b>	R16 - Pushrod & rocker U20 - Buckets		
<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>	No	<b>Location:</b>	N/A
<b>Comments:</b>	None		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Points, Coil and Distributor		
<b>Make:</b>	Hitachi		
<b>Comments</b>	Transistorised Ignition Nissan part number 22000/16500 “Kit ignition transistor” is the only part permitted.		

### 2.5. FUEL SYSTEM

<b>Carburettor Make – R16:</b>	Solex/Mikuni	<b>Model:</b>	44PHH
<b>Carburettor Make – R16:</b>	Hitachi	<b>Model:</b>	HJG 46N
<b>Carburettor Make – U20:</b>	Dellorto	<b>Model:</b>	DHLA45G
<b>Carburettor Number:</b>	Two		
<b>Size:</b>	N/A		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	For U20, Weber DCOE45 allowed		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Datsun
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	203 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Hydraulic
<b>Comments:</b>	None

**3.2. TRANSMISSION**

<b>Type:</b>	Synchromesh
<b>Make:</b>	Datsun 1600 – F4C63L 2000 – FS5C71A
<b>Gearbox location:</b>	Behind engine
<b>No. forward speeds:</b>	Four
<b>Gearchange type and location:</b>	Remote, floor
<b>Case material:</b>	Alloy
<b>Identifying marks:</b>	N/A
<b>Comments:</b>	None

**3.3. FINAL DRIVE**

<b>Make:</b>	Datsun	<b>Model:</b>	N/A
<b>Type</b>	Hypoid bevel		
<b>Wheel drive method</b>	Rear		
<b>Ratios:</b>	Various		
<b>Differential type:</b>	Free/open		
<b>Comments:</b>	LSD allowed, ratio free		

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	One
<b>Description:</b>	Drive shaft with twin Hookes type Universal joints
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Wheel type - Allowed:</b>	Period cast	<b>Material - Allowed:</b>	Alloy, Aluminium
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4.5" x 14"		4.5" x 14"
<b>Allowed</b>	6" x 14"		6" x 14"
<b>Tyre Section:</b>			
<b>Original:</b>	560 x 14"		560 x 14"
<b>Allowed:</b>	Refer approved tyre list.		Refer approved tyre list.
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	Acceptable alloy wheels are Minilite or Hustler		

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Under boot	<b>Capacity:</b>	43 litres
<b>Fuel pump, type:</b>	Mechanical, engine	<b>Make:</b>	Showa Kyosan
<b>Comments:</b>	None		

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	Twelve	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Engine bay		
<b>Comments:</b>	None		

### 4.3. BODYWORK

<b>Type:</b>	Open sports	<b>Material:</b>	Steel
<b>No. of seats:</b>	Two	<b>No. doors:</b>	Two
<b>Comments:</b>	Standard hardtop available		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1275 mm	<b>Rear:</b>	1200 mm
<b>Wheelbase:</b>	2280 mm	<b>Overall length:</b>	3955 mm
<b>Dry weight:</b>	920 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix**