



**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>	Datsun	<b>Model:</b>	P510 - (1600) (1600 SSS)
<b>Period of Original Manufacture:</b>	1968 – 1973		
<b>Motorsport Australia Historic Group:</b>	Nc		
<b>Date of Issue of this Document:</b>	1 January 2024		



Refer to Motorsport Australia Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc 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 - Two door coupe or four door sedan
<b>Period of Manufacture:</b>	November 1969 to 1973
<b>Manufacturer:</b>	Nissan
<b>Chassis Number From:</b>	P510-###
<b>Chassis Number location:</b>	Firewall
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.1. FRONT SUSPENSION

<b>Description:</b>	Independent - by MacPherson Strut		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic incorporated in strut	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	Yes - Integral with lower arms	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Toe
<b>Comments:</b>	None		

### 1.2. REAR SUSPENSION

<b>Description:</b>	Independent – Semi-trailing arm		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	Yes	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Toe, spring height
<b>Comments:</b>	None		

### 1.3. STEERING

<b>Type:</b>	Recirculating ball	<b>Make:</b>	Nissan
<b>Collapsible steering</b>	Standard		
<b>Comments</b>	None		

### 1.1. BRAKES

	Front	Rear
<b>Type:</b>	Disc - solid	Drum
<b>Dimensions:</b>	232 mm x 17 mm	228.6 mm x 67 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>	Akebono	
<b>Caliper type:</b>	Sliding	
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Nissan	
<b>Type:</b>	Tandem	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Nissan		
<b>Model:</b>	L16		
<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:</b>	83.0 mm	<b>Max allowed:</b>	84.50 mm
<b>Stroke - original:</b>	73.66 mm	<b>Max allowed:</b>	73.66 mm
<b>Capacity - original:</b>	1594 cc	<b>Max allowed:</b>	1652 cc
<b>Identifying marks:</b>	L16-#### ID Mark is below #4 spark plug, on jutting pad (above starter)		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Nissan		
<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> Head	<b>Drive:</b> Chain
<b>Valve actuation:</b>	Finger		
<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		

### 2.1. IGNITION SYSTEM

<b>Type:</b>	Points, coil & distributor		
<b>Make:</b>	Hitachi or Lucas		
<b>Comments</b>	Breakerless electronic ignition permitted		

### 2.2. FUEL SYSTEM

<b>Carburettor Make:</b>	Hitachi	<b>Model:</b>	DAF328 HJL38W for SSS model
<b>Carburettor Number:</b>	One		
<b>Size:</b>	28/32 38mm for SSS model		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	N/A	<b>Type:</b>	N/A
<b>Comments:</b>	None		
<b>Supercharged:</b>		<b>Type:</b>	
<b>Comments:</b>			

### SECTION 3 - TRANSMISSION

#### 3.1. CLUTCH

Make:	Various
Type:	Diaphragm
Diameter:	200 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

#### 3.2. TRANSMISSION

Make:	Nissan
Type:	Syncromesh
Gearbox location:	Behind engine
No. forward speeds:	Four SSS has five
Gearchange type and location:	H pattern floor mounted
Case material:	Alloy
Identifying marks:	N/A
Comments:	Five speed gearbox from a Datsun Sport 2000 SR311 (standard H pattern or dog leg first gear position) up to 1969 chassis number 030001 is the accepted unit for SSS (Bell housing change required).

#### 3.1. FINAL DRIVE

Make:	Nissan	Model:	R160
Type:	Sprung unit		
Ratios:	Various		
Differential type:	Open		
Comments:	None		

#### 3.2. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to final drive
Description:	One open tail shaft, two halfshafts with twin Hookes joints
Comments:	None

#### 3.3. WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Steel Alloy (period style)	Material - Allowed:	Steel Alloy
Fixture method:	Nuts	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4" x 13"		4" x 13"
Allowed	7" x 13"		7" x 13"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

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## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Boot	<b>Capacity:</b>	46 litres
<b>Fuel pump, type:</b>	Mechanical on engine block	<b>Make:</b>	Nissan
<b>Comments:</b>	None		

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Engine bay		
<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>	Two or Four
<b>Comments:</b>	SSS vehicles to be compliant to SSS specification. External emblems & internal trim to be correct -full instrumentation, black interior trim, SSS sports steering wheel, SSS gear knob, "SSS" badging.		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1280 mm	<b>Rear:</b>	1280 mm
<b>Wheelbase:</b>	2420 mm	<b>Overall length:</b>	4070 mm
<b>Approved Manufacturer's kerb weight:</b>	875 kg		
<b>Approved minimum racing weight:</b>	853 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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