



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:	Datsun	Model:	P510 - (1600) (1600 SSS)
Period of Original Manufacture:	1968 – 1973		
Motorsport Australia Historic Group:	Nc		
Date of Issue of this Document:	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

Description:	Unitary construction - Two door coupe or four door sedan
Period of Manufacture:	November 1969 to 1973
Manufacturer:	Nissan
Chassis Number From:	P510-###
Chassis Number location:	Firewall
Material:	Steel
Comments	None

1.1. FRONT SUSPENSION

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

1.2. REAR SUSPENSION

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

1.3. STEERING

Type:	Recirculating ball	Make:	Nissan
Collapsible steering	Standard		
Comments	None		

1.1. BRAKES

	Front	Rear
Type:	Disc, solid	Drum
Dimensions:	232 mm x 10 mm	228 mm x 40 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Akebono	
Caliper type:	Sliding	
Material:	Cast iron	
Master cylinder make:	Nissan	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Nissan		
Model:	L16		
No. cylinders:	Four	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	83.0 mm	Max allowed:	84.50 mm
Stroke - original:	73.66 mm	Max allowed:	73.66 mm
Capacity - original:	1594 cc	Max allowed:	1652 cc
Identifying marks:	L16-#### ID Mark is below #4 spark plug, on jutting pad (above starter)		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Nissan		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	One	Location: Head	Drive: Chain
Valve actuation:	Finger		
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		

2.1. IGNITION SYSTEM

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

2.2. FUEL SYSTEM

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

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

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

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Sedan	Material:	Steel
No. of seats:	Four	No. doors:	Two or Four
Comments:	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

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

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix