



5TH CATEGORY - HISTORIC RACING
GROUP Nc
 APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a Historic Logbook, 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:	20 Jan 2017		



<i>Update Log</i>	

Refer to Motorsport Australia Manual, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc Regulations for permitted modifications.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME	
Description:	Uni Body of pressed & welded sheet metal
Period of Manufacture:	1968 to 1972
Manufacturer:	Nissan / Datsun
Chassis no. from:	P510 – 000011
Chassis no. location:	Front bulkhead/firewall
Material:	Steel
Comment:	None

1.2 FRONT SUSPENSION			
Description:	Independent – McPherson Strut		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	Std	Method:	Caster, Camber, toe & spring height
Comment:	None		

1.3 REAR SUSPENSION			
Description:	Independent – Semi-trailing arm		
Spring medium:	Coil		
Damper type:	Telescopic	Adjustable:	No
Anti-sway bar:	None		
Suspension adjustable:	Std	Method:	Caster, Camber, toe & spring height
Comment:	None		

1.4 STEERING			
Type:	Recirculating ball	Make:	Nissan / Datsun
Comment:	None		

1.5 BRAKES			
	Front	Rear	
Type:	Disc, solid	Drum	
Dimensions:	232 x 10 mm	228 x 40 mm	
Material:	Cast iron	Cast iron	
No. cylinders/pots per wheel:	One	One	
Actuation:	Hydraulic	Hydraulic	
Caliper Make:	Akebono		
Caliper Type:	Sliding		
Caliper Material:	Cast iron		
Master cylinder make:	Nissan	Type:	Tandem
Adjustable bias:	No		
Servo Fitted:	Yes		
Comment:	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:	84.5 mm
Stroke - original:	73.66 mm	Max. allowed:	73.66 mm
Capacity - original:	1594 cc	Max. allowed:	1652 cc
Cooling method:	Liquid		
Identifying marks:	N/A		
Comment:	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				
Comment:	None				

2.3 LUBRICATION			
Method:	Wet sump		
Oil cooler standard:	No		
Comment:	None		

2.4 IGNITION SYSTEM	
Type:	Points, coil & distributor
Make:	Hitachi or Lucas
Comment:	None

2.5 FUEL SYSTEM			
Carburettor Make:	Hitachi	Model:	DAF328, HJL38W for SSS model
Carburettor number:	One Two for SSS	Size:	28/32 mm 38 mm for SSS
Comment:			

SECTION 3 - TRANSMISSION

3.1 CLUTCH			
Make:	Various		
Type:	Diaphragm		
Diameter:	200 mm	No. of Plates:	One
Actuation:	Hydraulic		
Comment:			

3.2 TRANSMISSION			
Type:	Synchromesh		
Make:	Nissan		
No. forward speeds:	Four, SSS has five	Gearbox location:	Behind engine
Gear change type and location:	Floor – remote		
Case material:	Aluminium		
Comment:	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)		

3.3 FINAL DRIVE			
Make:	Nissan	Model:	R180
Type:	Sprung unit		
Wheel drive method:	Rear		
Ratios:	Various		
Differential type:	Free / open		
Comment:	None		

3.4 TRANSMISSION SHAFTS (EXPOSED)	
Number:	Three
Description:	One open tail shaft, two halfshafts with twin Hooke's joints
Comment:	None

3.5 WHEELS & TYRES			
Wheel type - Original:	Pressed disc	Material - Original:	Steel
Allowed:	Cast	Allowed:	Aluminium alloy
Fixture method:	Nuts	No. studs:	Four
Wheel dia. & rim width:	FRONT		REAR
Original:	4 x 13 inch		4 x 13 inch
Allowed:	7 x 13 inch		7 x 13 inch
Tyres original:	165 – 13		165 – 13
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		
Comment:	None		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM			
Tank Location:	Boot area	Capacity:	46 litres
Fuel pump type and location:	Mechanical / engine	Make:	Various
Comment:	None		

4.2 ELECTRICAL SYSTEM			
Voltage:	12	Alternator:	Fitted
Battery Location:	Engine bay		
Comment:	None		

4.3 BODYWORK			
Type:	Four door	Material:	Steel
No. of seats:	Four	No. doors:	Four
Comment:	SSS vehicles to be compliant to SSS specification. External emblems & internal trim to be correct.		

4.4 DIMENSIONS			
Track - Front:	1280 mm	Rear:	1280 mm
Wheelbase:	2420 mm	Overall length:	4070 mm
Dry weight:	875 kg		
Comment:	None		

4.5 SAFETY EQUIPMENT			
<i>Refer applicable Group Regulations</i>			