



5TH CATEGORY - HISTORIC RACING GROUP S APPROVED VEHICLE SPECIFICATION
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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.

Make of Car:	Datsun	Model:	280Z
Period of Original Manufacture:	December 1974 - 1978		
Motorsport Australia Historic Group:	Sc		
Date of Issue of this Document:	30/6/2022		



Update Log

29/6/2021	Brake specification added
30/6/2022	Document layout

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Uni body two door coupe
Period of Manufacture:	December 1974 - 1978
Manufacturer:	Nissan Motor Company
Chassis Number From:	RHD – HS30-00001 LHD – HLS-30-00001
Chassis Number location:	Firewall – RHS
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent – McPherson strut		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Fitted	Adjustable:	N/A
Suspension adjustable:	Yes	Method:	Camber, toe and spring height
Comments:	None		

1.3. REAR SUSPENSION

Description:	Independent – McPherson strut		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable	No
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	No	Method:	Camber, toe and spring height
Comments:	None		

1.4. STEERING

Type:	Rack and pinion	Make:	Nissan
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc (solid)	Drum
Dimensions:	271 mm x 12 mm	230 mm x 40 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Sumitomo/Girling	
Caliper type:	S16	
Material:		
Master cylinder make:	Tokico	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Front disc brake rotors may be replaced by 22mm x 274mm ventilated disc rotors. These rotors must not be drilled or grooved on the brake surfaces. The Original stock Datsun twin piston Sumitomo/Girling Caliper must be retained but the Caliper can be modified by the installation of a correctly machined spacer to allow the Caliper to fit the ventilated rotor.	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Nissan		
Model:	L28		
No. cylinders:	Six	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	86 mm	Max allowed:	87.50 mm
Stroke - original:	79.00 mm	Max allowed:	79.00 mm
Capacity - original:	2753 cc	Max allowed:	2850 cc
Identifying marks:	L28		
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:	SOHC
		Drive:	Chain
Valve actuation:	Lever		
Spark plugs/cylinder:	One		
Identifying marks:	E31/E88		
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		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor		
Make:	Nissan/Hitachi		
Comments	Optional electronic ignition must use genuine Nissan/Hitachi distributor with pick up 22163-Q1700, Module 22020-S6701 and Reluctor 2215-Q1700		

2.5. FUEL SYSTEM

Carburettor Make:	N/A	Model:	N/A
Carburettor Number:	N/A		
Size:	N/A		
Fuel injection Make:	Bosch	Type:	L-Jetronic
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Nissan
Type:	Diaphragm
Diameter:	227 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Synchromesh
Make:	Nissan FS5C71B Nissan F4W71A-4 Nissan FS5C71A-5
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Remote, floor
Case material:	Alloy
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

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

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Three
Description:	Drive shaft with twin Hookes type Universal joints, Half shaft with slip joint & twin Hookes type universal joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Wheel type - Allowed:	Period cast	Material - Allowed:	Alloy
Fixture method:	Stud/nuts	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	6" x 14"		6" x 14"
Allowed	6" x 15"		6" x 15"
Tyre Section:			
Original:			
Allowed:	205/60 x 14" 205/60 x 15"		205/60 x 14" 205/60 x 15"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under rear floor	Capacity:	65 litres
Fuel pump, type:	Electric	Make:	Hitachi
Comments:	None		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Fixed head coupe	Material:	Steel
No. of seats:	Two	No. doors:	Two
Comments:	Front and Rear Spoilers to Factory Specification Permitted Front Spoiler: 98300 – E8100 (E8125) Rear Spoiler: 98100 – N330 (N3525, N330, N3525, N2527 & N3105) Numbers in brackets () Are variations of the same shape with different mounting and badge holes. 240Z shell or 260Z pre ** S30-270001 chassis No.) not allowed.		

4.4. DIMENSIONS

Track - Front:	1355 mm	Rear:	1345 mm
Wheelbase:	2305 mm	Overall length:	4399 mm
Dry weight:	1090 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations			
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Appendix