



5TH CATEGORY - HISTORIC RACING  
**GROUP S**  
 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>	240Z
<b>Period of Original Manufacture:</b>	October 1969 – December 1973		
<b>Motorsport Australia Historic Group:</b>	Sc		
<b>Date of Issue of this Document:</b>	30/6/2022		



***Update Log***

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

## SECTION 1 - CHASSIS

### 1.1. CHASSIS

<b>Description:</b>	Uni body two door coupe
<b>Period of Manufacture:</b>	October 1969 – December 1973
<b>Manufacturer:</b>	Nissan Motor Company
<b>Chassis Number From:</b>	RHD – HS30-00001 LHD – HLS-30-00001
<b>Chassis Number location:</b>	Firewall – RHS
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.2. FRONT SUSPENSION

<b>Description:</b>	Independent – McPherson strut		
<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>	Yes	<b>Method:</b>	Camber, toe and spring height
<b>Comments:</b>	None		

### 1.3. REAR SUSPENSION

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

### 1.4. STEERING

<b>Type:</b>	Rack and pinion	<b>Make:</b>	Nissan
<b>Comments</b>	None		

### 1.5. BRAKES

	Front	Rear
<b>Type:</b>	Disc (solid)	Drum
<b>Dimensions:</b>	271 mm x 12 mm	230 mm x 40 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	Two	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	Sumitomo/Girling	
<b>Caliper type:</b>	S16	
<b>Material:</b>		
<b>Master cylinder make:</b>	Tokico	
<b>Type:</b>	Tandem	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	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**

<b>Make:</b>	Nissan		
<b>Model:</b>	L24		
<b>No. cylinders:</b>	Six	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	83 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>	2391 cc	<b>Max allowed:</b>	2479 cc
<b>Identifying marks:</b>	L24		
<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>	SOHC
		<b>Drive:</b>	Chain
<b>Valve actuation:</b>	Lever		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	E31/E88		
<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>	Nissan/Hitachi		
<b>Comments:</b>	None		

**2.5. FUEL SYSTEM**

<b>Carburettor Make:</b>	Hitachi	<b>Model:</b>	HJG46W
<b>Carburettor Number:</b>	Two		
<b>Size:</b>	46 mm		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Nissan
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	227 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>	Nissan FS5C71B Nissan F4W71A-4 Nissan FS5C71A-5
<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>	
<b>Comments:</b>	None

**3.3. FINAL DRIVE**

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

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	Three
<b>Description:</b>	Drive shaft with twin Hookes type Universal joints, Half shaft with slip joint & 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
<b>Fixture method:</b>	Stud/nuts	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	6" x 14"		6" x 14"
<b>Allowed</b>	6" x 15"		6" x 15"
<b>Tyre Section:</b>			
<b>Original:</b>			
<b>Allowed:</b>	205/60 x 14" 205/60 x 15"		205/60 x 14" 205/60 x 15"
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	Refer approved tyre list.		

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Under rear floor	<b>Capacity:</b>	65 litres
<b>Fuel pump, type:</b>	Electric	<b>Make:</b>	Hitachi
<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>	Fixed head coupe	<b>Material:</b>	Steel
<b>No. of seats:</b>	Two	<b>No. doors:</b>	Two
<b>Comments:</b>	Front and Rear Spoilers to Factory Specification Permitted Front Spoiler: 98300 – E8100 Rear Spoiler: 98100 – N330		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1355 mm	<b>Rear:</b>	1345 mm
<b>Wheelbase:</b>	2305 mm	<b>Overall length:</b>	4115 mm
<b>Dry weight:</b>	930 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix**