



5TH CATEGORY - HISTORIC RACING

**GROUP Sc**

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 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 CAMS Manual of Motor Sport.

**Make of Car:** Datsun **Model:** 240Z  
**Period of Original Manufacture:** October 1969 to December 1973  
**CAMS Historic Group:** Sc  
**Date of issue of this document:** November 2013



Refer to CAMS Manual of Motor Sport, Vehicle Eligibility, Historic Production Sports Cars: Groups Sa, Sb, Sc Regulations for permitted modifications.

## **SECTION 1 - CHASSIS**

### **1.1 CHASSIS FRAME**

**Description:** Unibody, two door coupe  
**Manufacturer:** Nissan Motor Co Ltd  
**Chassis no. from:** RHD HS30-00001, LHD HLS30-00001  
**Chassis no. location:** Firewall RHS  
**Material:** Steel

### **1.2 FRONT SUSPENSION**

**Description:** Independent, McPherson strut  
**Spring Medium:** Coil  
**Damper Type:** Telescopic inset **Adjustable:** No  
**Anti-sway bar:** Fitted **Adjustable:** No  
**Suspension adjustable:** Yes **Method:** Camber, toe & spring height

### **1.3 REAR SUSPENSION**

**Description:** Independent, McPherson strut  
**Spring medium:** Coil  
**Damper type:** Telescopic insert **Adjustable:** No  
**Anti-sway bar:** Fitted **Adjustable:** No  
**Suspension adjustable:** Yes **Method:** Camber, toe & spring height

### **1.4 STEERING**

**Type:** Rack & pinion **Make:** Nissan

### **1.5 BRAKES**

	<b>Front</b>	<b>Rear</b>
<b>Type:</b>	Disc, solid	Drum
<b>Dimensions:</b>	12 x 271 mm	40 x 230 mm
<b>Material:</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>Caliper Material:</b>		
<b>Master cylinder make:</b>	Tokico	<b>Type:</b> Tandem
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	

## **SECTION 2 – ENGINE**

### **2.1 ENGINE**

**Make:** Nissan  
**Model:** L24  
**No. cylinders:** Six **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  
**Capacity - original:** 2391 cc **Max. allowed:** 2479 cc  
**Cooling method:** Fluid  
**Identifying marks:** L24

## **2.2 CYLINDER HEAD**

**Make:** Nissan  
**No. of valves/cylinder:** Two      **Inlet:** One      **Exhaust:** One  
**No. of ports total:** Twelve      **Inlet:** Six      **Exhaust:** Six  
**No. of camshafts:** One      **Location:** Head      **Drive:** Chain  
**Valve actuation:** Lever  
**Spark plugs/cylinder:** One  
**Identifying marks:** E31/E88  
**Material:** Aluminium alloy

## **2.3 LUBRICATION**

**Method:** Wet sump  
**Oil cooler standard:** No

## **2.4 IGNITION SYSTEM**

**Type:** Coil & distributor  
**Make:** Nissan / Hitachi

## **2.5 FUEL SYSTEM**

**Carburettor Make:** Hitachi      **Model:** HJG46W  
**Carburettor number:** Two      **Size:** 46 mm

# **SECTION 3 - TRANSMISSION**

## **3.1 CLUTCH**

**Make:** Nissan  
**Type:** Diaphragm  
**Diameter:** 227 mm      **No. of Plates:** One  
**Actuation:** Hydraulic

## **3.2 TRANSMISSION**

**Type:** Synchro-mesh  
**Make:** Nissan FS5C71B or F4W71A-4 or FS5C71A-5  
**No. forward speeds:** Five      **Gearbox location:** Behind engine  
**Gear change type and location:** Floor remote  
**Case material:** Alloy      **Identifying marks:** N/A

## **3.3 FINAL DRIVE**

**Make:** Nissan      **Model:** R180  
**Type:** Sprung unit  
**Wheel drive method:** Rear  
**Ratios:** Various  
**Differential type:** Free / open

## **3.4 TRANSMISSION SHAFTS (EXPOSED)**

**Number:** One drive shaft two half shafts  
**Description:** Drive shaft with twin Uni joints, Half shaft with slip joint & twin universal joints

### **3.5 WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Period cast	<b>Allowed:</b>	Aluminium alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>	<b>REAR</b>	
<b>Original:</b>	6 x 14 inch	6 x 14 inch	
<b>Allowed:</b>	<u>6 x 15 inch</u>	<u>6 x 15 inch</u>	
<b>Tyres allowed:</b>	205/60 – 14 <u>or 15</u>	205/60 – 14 <u>or 15</u>	

## **SECTION 4 - GENERAL**

### **4.1 FUEL SYSTEM**

<b>Tank Location:</b>	Under rear floor	<b>Capacity:</b>	65 litre
<b>Fuel pump type and location:</b>	Electric	<b>Make:</b>	Hitachi

### **4.2 ELECTRICAL SYSTEM**

<b>Voltage:</b>	12	<b>Alternator:</b>	Fitted
<b>Battery Location:</b>	Engine compartment		

### **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 & rear spoilers to factory specification allowed. Front spoiler No. 98300 – E8100 Rear spoiler No. 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		

### **4.5 SAFETY EQUIPMENT**

**Refer applicable Group Regulations**