

# CAMS

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 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 CAMS Manual of Motor Sport.

**Make of Car:** Datsun **Model:** 1600 (P510)

**Period of Original Manufacture:** 1968 - 1972

**CAMS Historic Group:** Nc

**Date of Issue of this Document:** 25<sup>th</sup> March 2004



## SECTION 1 - CHASSIS

### 1.1 CHASSIS FRAME

**Description:** Unitary Construction **Period of Manufacture:** 1968 - 1972

**Manufacturer:** Nissan

**Chassis no. from:** P510-000101 >>>

**Chassis no. location:** Bulkhead

**Material:** Mild Steel

**Comments:**

### 1.2 FRONT SUSPENSION

**Description:** Independent – McPherson Strut

**Spring medium:** Coil

**Damper Type:** Telescopic – Internal **Adjustable:** No

**Anti-sway bar:** Fitted **Adjustable:** No

**Suspension adjustable:** No **Method:** N/A

**Comments:** Spring rates & ride height free. Shock absorbers free. Additional control arms permitted.

### 1.3 REAR SUSPENSION

**Description:** Independent – Semi-trailing Arms

**Spring medium:** Coil

**Damper type:** Telescopic **Adjustable:** No

**Anti-sway bar:** Not Fitted **Adjustable:** N/A

**Suspension adjustable:** No **Method:**

**Comments:** Spring rates & ride height free. Shock absorbers free. Additional control arms permitted.

### 1.4 STEERING

**Type:** Recirculating Ball **Make:** Nissan

**Comments:**

### 1.5 BRAKES

	Front	Rear
<b>Type:</b>	Disc	Drum
<b>Dimensions:</b>	232 x 10mm	228 x 40 mm
<b>Material of drum/disc</b>	Cast Iron	Cast Iron
<b>No. cylinders/pots per wheel:</b>	1	1
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper: Make, Material, Type:</b>	Akebono – Cast Iron	
<b>Master cylinder make:</b>	Nissan	<b>Type:</b> Tandem
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	Dual Master Cylinders permitted. Brakes may be replaced by period components provided there is no increase in swept area or diameter of disc or drum.	

## SECTION 2 - ENGINE

### 2.1 ENGINE

<b>Make:</b>	Nissan	<b>Configuration:</b>	In Line
<b>Model:</b>	L16	<b>Four Stroke</b>	
<b>No. cylinders:</b>	4	<b>Max. allowed:</b>	84.5 mm
<b>Cylinder Block-material:</b>	Cast iron	<b>Max. allowed:</b>	73.7 mm
<b>Bore - Original:</b>	83.0 mm	<b>Max. allowed:</b>	1644 cc
<b>Stroke - original:</b>	73.7 mm		
<b>Capacity - original:</b>	1595 Scc		
<b>Cooling method:</b>	Water		
<b>Identifying marks:</b>	L16		
<b>Comments:</b>			

### 2.2 CYLINDER HEAD

<b>Make:</b>	Nissan	<b>Inlet:</b>	1	<b>Exhaust:</b>	1
<b>No. of valves/cylinder-</b>		<b>Inlet:</b>	4	<b>Exhaust:</b>	4
<b>No. of ports total:</b>	8	<b>Location:</b>	Head	<b>Drive:</b>	Chain
<b>No. of camshafts:</b>	1				
<b>Valve actuation:</b>	Rocker Arm				
<b>Spark plugs/cylinder:</b>	1				
<b>Identifying marks:</b>					
<b>Comments:</b>					

### 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>	Oil Cooler permitted		

### 2.4 IGNITION SYSTEM

<b>Type:</b>	Coil & Distributor
<b>Make:</b>	Hitachi or Lucas
<b>Comments:</b>	Coil &/or Distributor may be replaced by alternate period units.

### 2.5 FUEL SYSTEM

<b>Carburettor: Make:</b>	Hitachi (P510) (H510)	<b>Model:</b> DAF328	<b>Size:</b> 28/32 mm
		<b>Model:</b> HJL 38W	<b>Size:</b> 38 mm
<b>Number:</b>	1 (P510) 2 (H510)		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	N/A	<b>Type:</b>	N/A
<b>Comments</b>	Carburettor/s may be replaced by other units provided they are of a period type		



## SECTION 3 - TRANSMISSION

### 3.1 CLUTCH

**Make:** Variable      **Type:** Diaphragm      **Diameter:** 200mm  
**No. of Plates:** 1  
**Actuation:** Hydraulic  
**Comments:** Clutch free, provided original method of actuation unchanged.

### 3.2 TRANSMISSION

**Type:** Four Speed Synchromesh  
**Make:** Nissan      **Model:** 1600  
**No. forward speeds:** 4      **Gearbox location:** Behind Engine  
**Gearchange type and location:** Floor - Remote  
**Case material:** Alloy      **Identifying marks:**  
**Comments:** Ratios free. Five speed gearbox not permitted.

### 3.3 FINAL DRIVE

**Make:** Nissan      **Model:** 1600  
**Wheel drive method:** Rear  
**Ratios:** Various  
**Differential:** Free      **Type:**  
**Comments:** Ratios free. Limited Slip differential permitted.

### 3.4 TRANSMISSION SHAFTS (EXPOSED)

**Number:** 3      **Location:** Gearbox to Final Drive  
Final Drive to Rear Wheels  
**Description:** Tubular Tailshaft & Individual Driveshafts  
**Comments:** None

### 3.5 WHEELS & TYRES

<b>Wheel type:</b> Original:	Steel Disc	<b>Material:</b> Original:	Steel
Allowed:	Steel Disc or Period Alloy	Allowed:	Steel or Alloy
<b>Fixture method:</b>	Bolt On	<b>No. studs:</b>	4
	<b>FRONT</b>		<b>REAR</b>
<b>Wheel dia. &amp; rim width</b>			
Original:	4 x 13		4 x 13
Allowed:	7 x 13		7 x 13
<b>Tyre Section:</b>			
Original:	165 x 13		165 x 13
Allowed:			
<b>Aspect ratio - minimum:</b>	60%		60%
<b>Comments:</b>			

## SECTION 4 - GENERAL

### 4.1 FUEL SYSTEM

**Tank Location:** Rear **Capacity:** 46 Litres  
**Fuel pump, type and location:** Mechanical **Make:**  
**Comments:** Fuel Pump/s Free

### 4.2 ELECTRICAL SYSTEM

**Voltage:** 12 **Generator/alternator fitted**  
**Battery Location:** Engine compartment  
**Comments:** Battery may be relocated.

### 4.3 BODYWORK

**Type:** Four Door Sedan **Material:** Steel  
**No. of seats:** 4 **No. doors:** 4  
**Comments:** None

### 4.4 DIMENSIONS

**Track - Front:** 1270 mm **Rear:** 1270mm  
**Wheelbase:** 2420 mm **Overall length:** 4070 mm  
**Dry weight:** 875 Kg  
**Comments:**

### 4.5 SAFETY EQUIPMENT

**Fire extinguisher: required** Refer Schedule H.  
**Seat belt:: required** Refer Schedule I.  
**Rollbar : required** Refer Schedule J & Group  
Nc General Regulations.  
**Electrical cut off switch: required**  
**Safety fuel tank: optional**

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