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: Porsche **Model:** 911 S

Period of Original Manufacture: September 1969 - August 1971

General Comments : The Porsche cars that raced in touring car events in Australia in 1970/71 were the 2.2 litre 911 S models in manufacture from September 1969 to August 1971. This model meets the touring car eligibility requirements at the time.

CAMS Historic Group: Nc

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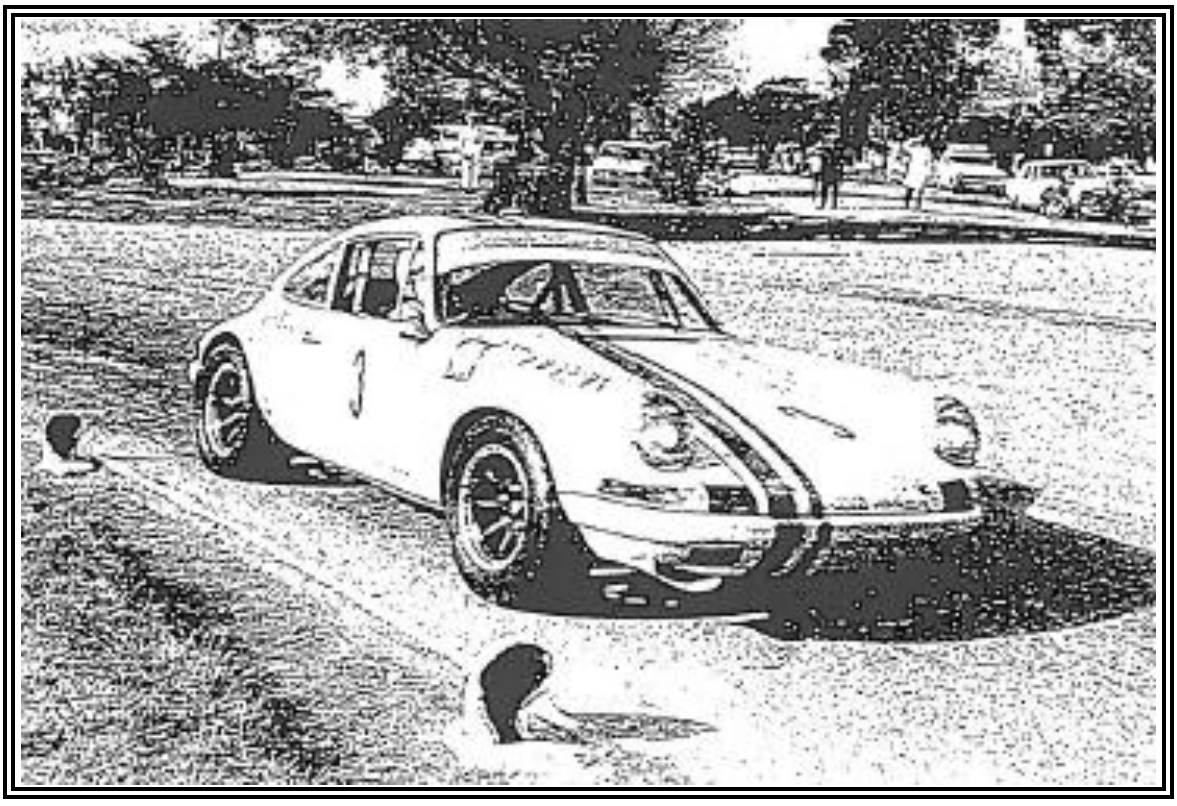

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction **Period of Manufacture:** Sept 1969 - August 1971

Manufacturer: Porsche AG

Chassis no. from: Acceptable Prefix numbers 91101/91111, 91102/91112 and 91103/91113

Chassis no. location: Front Luggage Compartment

Material: Steel

Comments: Basic body shell was the same for all coupe models (911T, 911E and 911S) manufactured during this period. NOTE : Special lightweight competition versions available from the factory (using thinner gauge sheet metal for body panels and with such fittings as standard seat belt mounts, heater ducts, glove box door etc omitted) are not eligible under Group Nc regulations.

1.2 FRONT SUSPENSION

Description: Independent by McPherson Strut

Spring medium: Longitudinal Torsion Bar

Damper Type: Telescopic Hydraulic **Adjustable:** Yes

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

Suspension adjustable: Yes

Comments: Front suspension fully adjustable for camber, caster, toe-in and ride height.

1.3 REAR SUSPENSION

Description: Independent by Trailing Control Arms

Spring medium: Transverse Torsion Bars (1 per side)

Damper type: Telescopic Hydraulic **Adjustable:** Yes

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

Suspension adjustable: Yes

Comments: Rear suspension fully adjustable for camber, toe-in and ride height

1.4 STEERING

Type: Rack & Pinion **Make:** **Porsche**

Comments:

1.5 BRAKES

	Front	**Rear**
Type:	Ventilated Disc	Ventilated Disc
Dimensions:	282 mm	290 mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	2	2
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Ate Alloy	Ate Cast Iron
Master cylinder make: Ate	**Type:**	Tandem/Dual
Adjustable bias	No	
Servo Fitted	No	

Comments: Adjustable bias and other modifications in accordance with Group Nc rules are permitted.

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Porsche		
Model:	911Sc (Internal Designation 911/02)		
No. cylinders:	6	**Configuration:**	Horizontal Opposed
Cylinder Block-material:	Magnesium Alloy	**Four Stroke**	
Bore - Original:	84 mm	**Max. allowed:**	85 mm
Stroke - original:	66 mm	**Max. allowed:**	66 mm
Capacity - original:	2195 cc	**Max. allowed:**	2247 cc
Cooling method:	Air/Oil		
Identifying marks:			

Comments: Note 85 mm bore is prescribed Porsche factory maximum.

2.2 CYLINDER HEAD

Make:		Porsche			
No. of valves/cylinder-		**Inlet:**	1	**Exhaust:**	1
No. of ports total:		**Inlet:**	6	**Exhaust:**	**6**
No. of camshafts:	2	**Location:**	Overhead	**Drive:**	Chain
Valve actuation:		Rocker Arms			
Spark plugs/cylinder:		2			
Identifying marks:					

Comments: Single overhead cam on each bank of cylinders operating valves by rocker arms.

2.3 LUBRICATION

Method:	Dry Sump	**Oil tank location:**	Right Rear Fender
Dry sump pump type:	Gear Type	**Location:**	Engine Crankcase (internal)
Oil cooler standard:	Yes	**Location:**	Engine & Front Right Fender
Comments:			

2.4 IGNITION

Type:	Dual Ignition - capacitor discharge type
Make:	Bosch
Comments:	

2.5 FUEL FEED

Carburettor: Make:		**Model:**		**No:**	**Size:**
Fuel injection Make:	Bosch		**Type:**	Mechanical Twin Row	
Supercharged:	No			6 Plunger Pump	

Comments:

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Fichtal & Sachs **Type:** MFZ 225 KL Diaphragm
No. of Plates: One
Actuation: Cable
Comments

3.2 TRANSMISSION

Type: Manual Transaxle
Make: Porsche **Model:** 911/01
No. forward speeds: 5 **Gearbox location:** Front of Rear Axle
Gearchange type and location: Manual, Floor mounted, central
Case material: Aluminium
Comments: Note : The model 915 transaxle (magnesium casing) as introduced with the 2.4 litre version of the 911 (which model is not eligible for Group Nc) is now eligible for use in this model.

3.3 FINAL DRIVE

Make: Porsche **Model:** 911/01
Wheel drive method: Spiral Bevel C/W and Pinion to Rear Wheels
Ratios: Various
Differential: Limited Slip **Type:** Multi Plate Adjustable
Comments:

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 2 **Location:** To Rear Wheels
Description: Each shaft fitted with two constant velocity joints
Comments:

3.5 WHEELS & TYRES

Wheel type: Original: Forged **Material: Original:** Alloy
Allowed: **Allowed:** Alloy
Fixture method: Studs **No. studs:** 5 per wheel

	FRONT	**REAR**
Wheel dia. & rim width		
Original:	6” x 15”	7” x 15”*
Allowed	7” x 15”	7” x 15”
Tyre section:		
Original:		
Allowed:	7” x 15”	7” x 15”

Aspect ratio - minimum: 60%
Comments: *All four road wheels used required to be “identically similar”. Wheel/tyre combination must lie within the periphery of body plan.

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Front **Capacity:** 62, 80 or 110 Litre
Fuel pump, type and location: Dual Electric Pumps **Make:** Bosche
Mounted front luggage compartment
Comments:

4.2 ELECTRICAL SYSTEM

Voltage: 12 Alternator fitted: 770W
Battery Location: Front Luggage Compartment
Comments:

4.3 BODYWORK

Type: 2 Door Coupe **Material:** Steel/Fibreglass
No. of seats: 2 x 2 **No. doors:** 2 - Aluminium door skins
Comments: The following light weight panels may be fitted but are not compulsory :
Front Fenders - Fibreglass (integral flaring to cover permitted width tyres is permitted).
Rear Fenders - Steel. Fitment of factory style steel flares permitted to cover permitted width tyres : (such flares must be integrally fitted to fenders with no joins visible externally).
Front Bonnet - Fibreglass (permitted fuel filling through bonnet)
Front & Rear Bumpers - Fibreglass
Door skins and rear bonnet - Aluminium

NOTE

No Front Air Dams No Rear Spoiler/wings
No Replacement of Window Glass with Plastic
Bodywork must remain in period specifications 1969-1971

4.4 DIMENSIONS

Track - Front: 1374 mm **Rear:** 1355 mm
Wheelbase: 2268 mm **Overall length:** 4163 mm
Dry weight: 960 kg
Comments: Maximum permitted track increase under Group Nc regulations is 50mm

4.5 SAFETY EQUIPMENT

Fire extinguisher required
Seat belt required
Rollbar required
Electrical cut off switch required
Safety fuel tank optional