



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 Rally

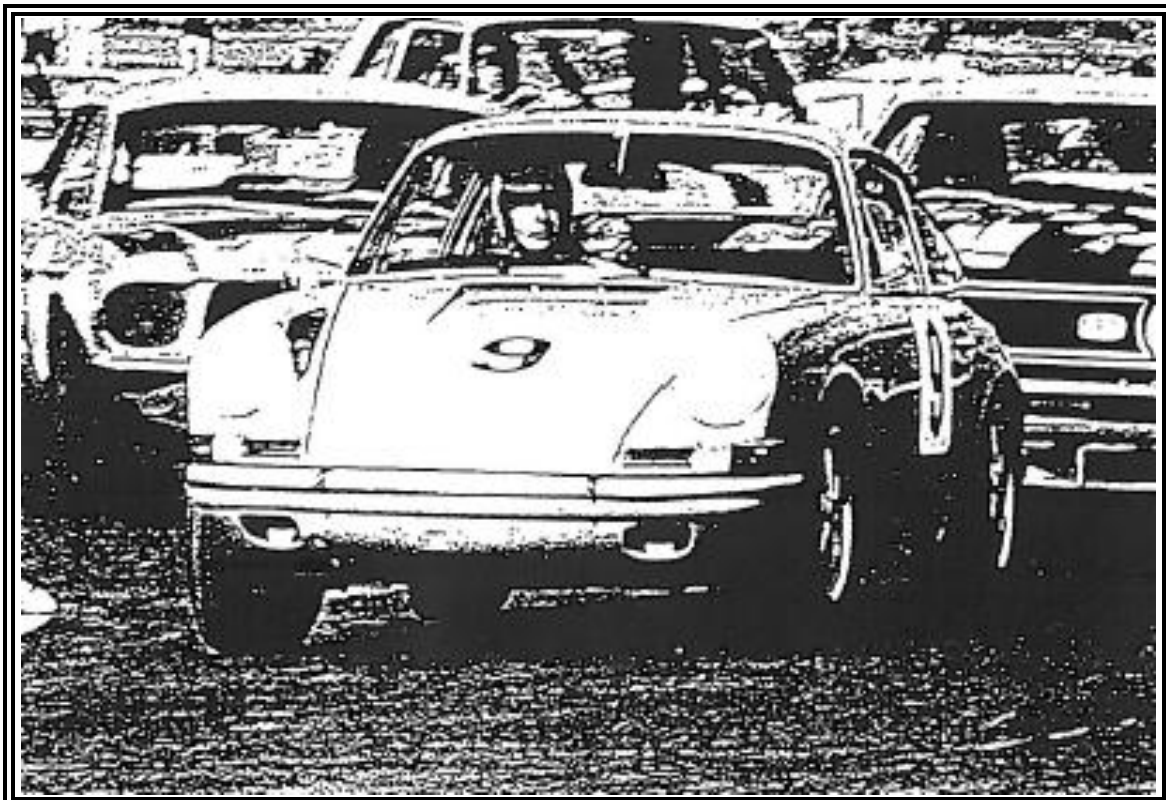
Period of Original Manufacture: 1968

General Comments : The Porsche raced in Touring car events in Australia in 1968/69 was based on the 1968 911T model as this was the only production six cylinder model manufactured in sufficient numbers to qualify for FIA Touring recognition. The 911 S Rally version incorporated certain variations in engine, transmission and brakes. The basic body shell was identical in T, E and S models.

CAMS Historic Group: Nc

Date of Issue of this Document: January 1999

Updated: 25 November 2011



SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction **Period of Manufacture:** 1968
Manufacturer: Porsche
Chassis no. from: 11830001 onwards
Chassis no. location: Front Luggage Compartment
Material: Steel
Comments:

1.2 FRONT SUSPENSION

Description: Independent by McPherson Strut
Spring medium: Longitudinal Torsion Bar
Damper Type: Telescopic Hydraulic **Adjustable:** Yes
Anti-sway bar: Yes **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 Central 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 Cast Iron	Ate Cast Iron
Master cylinder make:	Ate	Type: Single cylinder
Adjustable bias	No	
Servo Fitted	No	

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

SECTION 2 - ENGINE

2.1 ENGINE

Make: Porsche
Model: 901/22
No. cylinders: 6
Cylinder Block-material: Aluminium
Bore - Original: 80 mm
Stroke - original: 66 mm
Capacity - original: 1991 cc
Cooling method: Air/Oil
Identifying marks:
Comments:

Configuration: Horizontal Opposed
Four Stroke
Max. allowed: 80 mm
Max. allowed: 66 mm
Max. allowed: 2000 cc

2.2 CYLINDER HEAD

Make: Porsche
No. of valves/cylinder-
No. of ports total:
No. of camshafts: 2
Valve actuation:
Spark plugs/cylinder: 2
Identifying marks:
Comments: Single overhead cam on each bank of cylinders operating valves by Rocker Arms.

Inlet: 1
Inlet: 6
Location: OHC
Rocker Arms

Exhaust: 1
Exhaust: 6
Drive: Chain

2.3 LUBRICATION

Method: Dry Sump
Dry sump pump type: Gear Type
Oil cooler standard: Yes

Oil tank location: Right Rear Fender
Location: Inside Crankcase
Location: Engine & Front Right Fender

Comments:

2.4 IGNITION

Type: Dual Ignition Distributor and Coil
Make: Bosch
Comments:

2.5 FUEL FEED

Carburettor: Make: Weber
Fuel injection Make: N/A
Supercharged: No

Model: 40 IDA 3
No: 2
Size: 40mm

Comments:

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Fichtal & Sachs **Type:** M215K Diaphragm
No. of Plates: One
Actuation: Cable
Comments:

3.2 TRANSMISSION

Type: Manual Transaxle
Make: Porsche **Model:** 901
No. forward speeds: 5 **Gearbox location:** Front of Rear Axle
Gearchange type and location: Manual, Floor mounted, central
Case material: Aluminium **Identifying marks:**
Comments: 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:** 901
Wheel drive method: Spiral Bevel C/W and Pinion to Rear Wheels
Ratios:
Differential: ZF Limited slip **Type:** Sliding Pawl Type
Comments:

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 2 **Location:** To Rear Wheels
Description: Each shaft fitted with Nadella u/j's (inboard) and Hookes u/j's (outboard) accommodating change of axle length
Comments:

3.5 WHEELS & TYRES

Wheel type: Original:	Forged	Material: Original:	Alloy
Allowed:		Allowed:	
Fixture method:	Studs	No. studs:	5 per wheel
	FRONT		REAR
Wheel dia. & rim width			
Original:	6" x 15"		6" x 15"
Allowed	7" x 15"		7" x 15"
Tyre section:			
Original:			
Allowed:			
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 Luggage Compartment **Capacity:** 62 Litres
Fuel pump, type and location: Electric, Dual Front Luggage Compartment **Make:** Bendix or Hardi

Comments:

4.2 ELECTRICAL SYSTEM

Voltage: 12 **Alternator fitted**
Battery Location: Front Luggage Compartment

Comments:

4.3 BODYWORK

Type: 2 Door Coupe **Material:** Steel
No. of seats: 2 x 2 **No. doors:** 2

Comments: Total body - Standard Production Steel.
All glass was standard production, with standard window winders
Alternative factory supplied seats (Recaro) used in "simplified" interior model are acceptable.

4.4 DIMENSIONS

Track - Front: 1370 mm **Rear:** 1370 mm
Wheelbase: 2211 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