



5TH CATEGORY - HISTORIC RACING  
**GROUP N**  
 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>	Porsche	<b>Model:</b>	911S Rally
<b>Period of Original Manufacture:</b>	1968		
<b>Motorsport Australia Historic Group:</b>	Nc		
<b>Date of Issue of this Document:</b>	30 September 2021		
<b>General comments</b>	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.		



Refer to Motorsport Australia Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc Regulations for permitted modifications.

**Update Log**


## SECTION 1 - CHASSIS

### 1.1. CHASSIS

<b>Description:</b>	Unitary construction
<b>Period of Manufacture:</b>	1968
<b>Manufacturer:</b>	Porsche
<b>Chassis Number From:</b>	11830001 onwards
<b>Chassis Number location:</b>	Front luggage compartment
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.2. FRONT SUSPENSION

<b>Description:</b>	Independent - by MacPherson Strut with lower arm and sway bar		
<b>Spring Medium:</b>	Longitudinal torsion bar		
<b>Damper Type:</b>	Telescopic hydraulic	<b>Adjustable:</b>	Yes
<b>Anti-sway bar:</b>	Yes	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Caster, camber and toe
<b>Comments:</b>	Refer to Appendix A		

### 1.3. REAR SUSPENSION

<b>Description:</b>	Independent by trailing arms		
<b>Spring Medium:</b>	Transverse Torsion Bars (1 per side)		
<b>Damper Type:</b>	Telescopic hydraulic	<b>Adjustable:</b>	Yes
<b>Anti-sway bar:</b>	Yes	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Caster, camber and toe
<b>Comments:</b>	Refer to Appendix A		

### 1.4. STEERING

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

### 1.5. BRAKES

	Front	Rear
<b>Type:</b>	Disc, ventilated	Disc, ventilated
<b>Dimensions:</b>	282 mm x 24 mm	290 mm x 24 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	Two	Two
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	ATE	ATE
<b>Caliper type:</b>	Sliding	Sliding
<b>Material:</b>	Cast iron	Cast iron
<b>Master cylinder make:</b>	ATE	
<b>Type:</b>	Single	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	No	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Porsche		
<b>Model:</b>	901/22		
<b>No. cylinders:</b>	Six	<b>Configuration:</b>	Horizontal opposed
<b>Cylinder Block-material:</b>	Aluminium	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	80 mm	<b>Max allowed:</b>	81.5 mm
<b>Stroke - original:</b>	66 mm	<b>Max allowed:</b>	66 mm
<b>Capacity - original:</b>	1991 cc	<b>Max allowed:</b>	2000 cc
<b>Identifying marks:</b>	N/A		
<b>Cooling method:</b>	Air/Oil		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Porsche		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b> One	<b>Exhaust:</b> One
<b>No. of ports total:</b>	Twelve	<b>Inlet:</b> Six	<b>Exhaust:</b> Six
<b>No. of camshafts:</b>	Two	<b>Location:</b> OHC*	<b>Drive:</b> Chain
<b>Valve actuation:</b>	Rocker arms		
<b>Spark plugs/cylinder:</b>	Two		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	* Single overhead cam on each bank of cylinders operating valves by Rocker Arms.		

### 2.3. LUBRICATION

<b>Method:</b>	Dry sump	<b>Oil tank location:</b>	Right rear fender
<b>Dry sump pump type:</b>	Gear type	<b>Location:</b>	Inside crankcase
<b>Oil cooler standard:</b>	Yes	<b>Location:</b>	Engine and right front fender
<b>Comments:</b>	None		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Points, Distributor and Coil (Dual ignition)		
<b>Make:</b>	Bosch		
<b>Comments:</b>	Breakerless electronic ignition permitted		

### 2.5. FUEL SYSTEM

<b>Carburettor Make:</b>	Weber	<b>Model:</b>	40 IDA 3
<b>Carburettor Number:</b>	Two		
<b>Size:</b>	40 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>	Fichtel & Sachs
<b>Type:</b>	M215K Diaphragm
<b>Diameter:</b>	215 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Mechanical – cable
<b>Comments:</b>	None

**3.2. TRANSMISSION**

<b>Type:</b>	Transaxle, manual
<b>Make:</b>	Porsche
<b>Gearbox location:</b>	Front of rear axle
<b>No. forward speeds:</b>	Five
<b>Gearchange type and location:</b>	Flor mounted, central
<b>Case material:</b>	Aluminium
<b>Identifying marks:</b>	N/A
<b>Comments:</b>	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 eligible for use in this model.

**3.3. FINAL DRIVE**

<b>Make:</b>	Porsche	<b>Model:</b>	901
<b>Type:</b>	Sliding Pawl Type		
<b>Wheel drive method</b>	Spiral Bevel C/W and Pinion to Rear Wheels		
<b>Ratios:</b>	Various		
<b>Differential type:</b>	ZF LSD		
<b>Comments:</b>	None		

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	Two
<b>Location:</b>	To rear wheels
<b>Description:</b>	Each shaft fitted with Nadella universal joints (inboard) and Hookes universal joints (outboard) accommodating change of axle length.
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

<b>Wheel type - Original:</b>	Forged	<b>Material - Original:</b>	Alloy
<b>Wheel type - Allowed:</b>	Forged	<b>Material - Allowed:</b>	Alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Five
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	6" x 15"		6" x 15"
<b>Allowed</b>	7" x 15"		7" x 15"
<b>Tyre Section:</b>			
<b>Allowed:</b>	Refer approved tyre list.		
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	None		

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## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Front luggage compartment	<b>Capacity:</b>	62 litres
<b>Fuel pump, type:</b>	Electrical Dual Front Luggage Compartment	<b>Make:</b>	Bendix Hardi
<b>Comments:</b>	None		

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Front luggage compartment		
<b>Comments:</b>	None		

### 4.3. BODYWORK

<b>Type:</b>	Coupe	<b>Material:</b>	Steel
<b>No. of seats:</b>	2 x 2	<b>No. doors:</b>	Two
<b>Comments:</b>	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

<b>Track - Front:</b>	1370 mm	<b>Rear:</b>	1370 mm
<b>Wheelbase:</b>	2211 mm	<b>Overall length:</b>	4163 mm
<b>Dry weight:</b>	960 kg		
<b>Comments:</b>	The original wheelbase dimensions must be retained. The track dimension for all Groups are free save that the upper part of the tyre, down to the flange over the wheel hub centre must be within the perimeter of the vehicle when viewed vertically from above.		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix A**

**Suspension**

**Front**

Spring height adjustment permitted.

**Rear**

Spring height adjustment permitted.