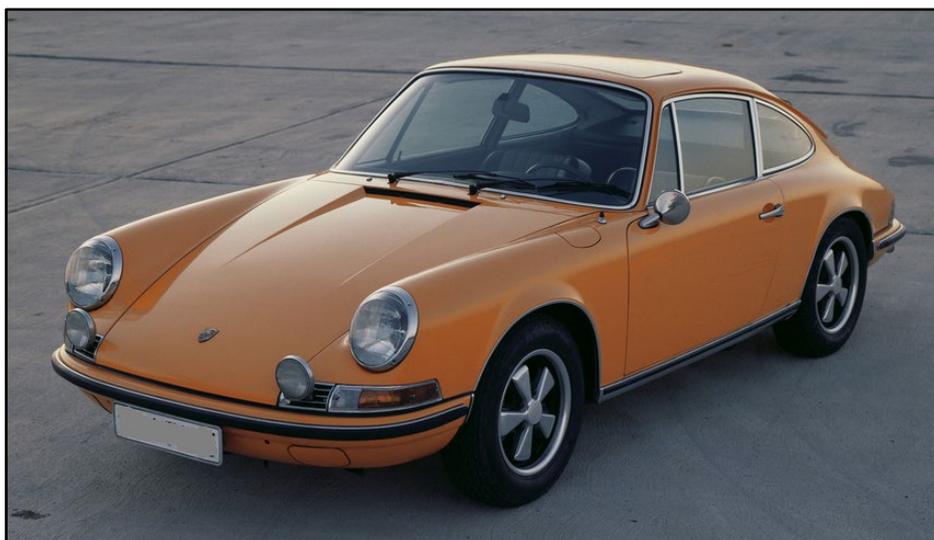




5TH CATEGORY - HISTORIC RACING
GROUP N
 APPROVED VEHICLE SPECIFICATION

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.

Make of Car:	Porsche	Model:	911S
Period of Original Manufacture:	September 1969 – August 1971		
Motorsport Australia Historic Group:	Nc		
Date of Issue of this Document:	30 September 2021		
General comments	The Porsche cars that raced in touring car events in Australia in 1970/1971 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.		



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

Description:	Unitary construction
Period of Manufacture:	September 1969 – August 1971
Manufacturer:	Porsche
Chassis Number From:	Acceptable - Prefix numbers 91101/91111, 91102/91112 and 91103/91113
Chassis Number 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 MacPherson strut		
Spring Medium:	Longitudinal torsion bar		
Damper Type:	Telescopic hydraulic	Adjustable:	Yes
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Caster, camber and toe
Comments:	Refer to Appendix A		

1.3. REAR SUSPENSION

Description:	Independent - trailing arms		
Spring Medium:	Transverse Torsion Bars (1 per side)		
Damper Type:	Telescopic hydraulic	Adjustable:	Yes
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Caster, camber and toe
Comments:	Refer to Appendix A		

1.4. STEERING

Type:	Rack and pinion	Make:	Porsche
Comments	None		

1.5. BRAKES

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

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Porsche		
Model:	9911 Sc – internal designation 911/02		
No. cylinders:	Six	Configuration:	Horizontal opposed
Cylinder Block-material:	Aluminium	Two/Four Stroke:	Four
Bore - Original:	84 mm	Max allowed:	85 mm *
Stroke - original:	66 mm	Max allowed:	66 mm
Capacity - original:	2195 cc	Max allowed:	2247 cc
Identifying marks:	N/A		
Cooling method:	Air/Oil		
Comments:	* Note that 85 mm bore is prescribed – Porsche factory maximum		

2.2. CYLINDER HEAD

Make:	Porsche		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Twelve	Inlet: Six	Exhaust: Six
No. of camshafts:	Two	Location: OHC*	Drive: Chain
Valve actuation:	Rocker arms		
Spark plugs/cylinder:	Two		
Identifying marks:	N/A		
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:	Inside crankcase
Oil cooler standard:	Yes	Location:	Engine and right front fender
Comments:	None		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	N/A	Model:	N/A
Carburettor Number:	N/A		
Size:	N/A		
Fuel injection Make:	Bosch	Type:	Mechanical twin row 6 plunger pump
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Fichtel & Sachs
Type:	M225K Diaphragm
Diameter:	225 mm
No. of Plates:	One
Actuation:	Mechanical – cable
Comments:	None

3.2. TRANSMISSION

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

3.3. FINAL DRIVE

Make:	Porsche	Model:	911/01
Type:	Multi plate adjustable		
Wheel drive method	Spiral Bevel C/W and Pinion to Rear Wheels		
Ratios:	Various		
Differential type:	LSD		
Comments:	None		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	To rear wheels
Description:	Each shaft fitted with two constant velocity joints.
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Forged	Material - Original:	Alloy
Wheel type - Allowed:	Forged	Material - Allowed:	Alloy
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	6" x 15"		6" x 15"
Allowed	7" x 15"		7" x 15"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	All four road wheels used required to be "identically similar".		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Front luggage compartment	Capacity:	62, 80 or 110 litres
Fuel pump, type:	Electrical Dual Front Luggage Compartment	Make:	Bosch
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Alternator
Battery Location:	Front luggage compartment		
Comments:	None		

4.3. BODYWORK

Type:	Coupe	Material:	Steel Fibreglass Aluminium
No. of seats:	2 x 2	No. doors:	Two
Comments:	<p>The following light weight panels may be fitted but are not compulsory:</p> <ul style="list-style-type: none"> * 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) <p>Front & Rear Bumpers – Fibreglass Door skins and rear bonnet - Aluminium</p> <p>NOTE</p> <ul style="list-style-type: none"> • 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:	<p>The original wheelbase dimensions must be retained.</p> <p>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.</p>		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.