



**5TH CATEGORY - HISTORIC RACING  
GROUP S  
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 2.2 2.4 2.7
<b>Period of Original Manufacture:</b>	1970 –1977		
<b>Motorsport Australia Historic Group:</b>	Sc		
<b>Date of Issue of this Document:</b>	30/6/2022		



**Update Log**

30/6/2022	Document layout

**SECTION 1 - CHASSIS**

**1.1. CHASSIS**

<b>Description:</b>	Uni body Coupe
<b>Period of Manufacture:</b>	1970 –1977
<b>Manufacturer:</b>	Porsche KG
<b>Chassis Number From:</b>	911300001 - >
<b>Chassis Number location:</b>	Front luggage compartment
<b>Material:</b>	Steel
<b>Comments</b>	None

**1.2. FRONT SUSPENSION**

<b>Description:</b>	Independent, McPherson strut		
<b>Spring Medium:</b>	Torsion bar		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	Fitted	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Camber, Castor, Toe-in, Torsion bar tension
<b>Comments:</b>	Ride height unrestricted		

**1.3. REAR SUSPENSION**

<b>Description:</b>	Independent, central trailing arms		
<b>Spring Medium:</b>	Torsion bar		
<b>Damper Type:</b>	Telescopic	<b>Adjustable</b>	No
<b>Anti-sway bar:</b>	Fitted	<b>Adjustable:</b>	N/A
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Camber, Castor, Toe-in, Torsion bar tension
<b>Comments:</b>	Ride height unrestricted		

**1.4. STEERING**

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

**1.5. BRAKES**

	<b>Front</b>	<b>Rear</b>
<b>Type:</b>	Disc, solid	Disc, solid
<b>Dimensions:</b>	282 mm	290 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	
<b>Caliper type:</b>		
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	ATE	
<b>Type:</b>	Tandem	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	Cast iron front calipers from 1974 "G" series. Twin master cylinders permitted. Servi may be rendered inoperative.	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Porsche		
<b>Model:</b>	911		
<b>No. cylinders:</b>	Six	<b>Configuration:</b>	Horizontal
<b>Cylinder Block-material:</b>	Alloy	<b>Two/Four Stroke:</b>	Four
<b>Bore – Original – 2.2:</b>	84.0 mm	<b>Max allowed:</b>	85.5 mm
<b>Stroke – original – 2.2:</b>	66.0 mm	<b>Max allowed:</b>	66.0 mm
<b>Capacity – original – 2.2:</b>	2195 cc	<b>Max allowed:</b>	2273 cc
<b>Bore – Original – 2.4:</b>	84.0 mm	<b>Max allowed:</b>	85.5 mm
<b>Stroke – original – 2.4:</b>	70.4 mm	<b>Max allowed:</b>	70.4 mm
<b>Capacity – original – 2.4:</b>	2341 cc	<b>Max allowed:</b>	2425 cc
<b>Bore – Original – 2.7:</b>	90.0 mm	<b>Max allowed:</b>	91.5 mm
<b>Stroke – original – 2.7:</b>	70.4 mm	<b>Max allowed:</b>	70.4 mm
<b>Capacity – original – 2.7:</b>	2687 cc	<b>Max allowed:</b>	2777 cc
<b>Identifying marks:</b>			
<b>Cooling method:</b>	Air and Oil		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Porsche		
<b>Material:</b>	Alloy		
<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>	One	<b>Location:</b> Head	<b>Drive:</b> Chain
<b>Valve actuation:</b>	Rockers		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	None		

### 2.3. LUBRICATION

<b>Method:</b>	Dry sump	<b>Oil tank location:</b>	RH rear quarter panel
<b>Dry sump type:</b>		<b>Location:</b>	In sump
<b>Oil cooler standard:</b>	Yes	<b>Location:</b>	Front wing
<b>Comments:</b>	None		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Capacitor discharge ignition (CDI)		
<b>Make:</b>	Bosch/Marelli		
<b>Comments:</b>	None		

### 2.5. FUEL SYSTEM

<b>Carburettor Make:</b>	N/A	<b>Model:</b>	N/A
<b>Carburettor Number:</b>	N/A		
<b>Fuel injection Make:</b>	Bosch	<b>Type:</b>	2.7 K/Jetronic 2.2 Mechanical 2.4 Mechanical
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Porsche
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	Various
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Mechanical – Cable
<b>Comments:</b>	Clutch is free, subject to method of actuation remaining unaltered.

**3.2. TRANSMISSION**

<b>Type:</b>	Synchromesh
<b>Make:</b>	Porsche
<b>Model</b>	915
<b>Gearbox location:</b>	Transaxle
<b>No. forward speeds:</b>	Five
<b>Gearchange type and location:</b>	Floor - remote
<b>Case material:</b>	Alloy
<b>Identifying marks:</b>	915
<b>Comments:</b>	Sporto –3 speed Sportomatic optional Ratios free.

**3.3. FINAL DRIVE**

<b>Make:</b>	Porsche
<b>Model:</b>	915
<b>Type:</b>	Transaxle
<b>Wheel drive method:</b>	Rear
<b>Ratios:</b>	Various
<b>Differential type:</b>	Spin resistant - ZF
<b>Comments:</b>	None

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	Two
<b>Location:</b>	Transaxle to rear wheels
<b>Description:</b>	Halfshafts with twin CV joints
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Alloy
<b>Wheel type - Allowed:</b>	Alloy	<b>Material - Allowed:</b>	Alloy
<b>Fixture method:</b>	Bolt on	<b>No. studs:</b>	Four
<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>	6" x 15"		6" x 15"
<b>Tyre Section:</b>			
<b>Original:</b>	185/70 x 15		185/70 x 15
<b>Allowed:</b>	205/60 x 15"		205/60 x 15"
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	Refer approved tyre list. Period alloy wheels permitted		

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Front compartment	<b>Capacity:</b>	85 litres
<b>Fuel pump, type:</b>	Electrical & mechanical	<b>Make:</b>	Bosch
<b>Comments:</b>	Fuel pump/s free		

### 4.2. ELECTRICAL SYSTEM

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

### 4.3. BODYWORK

<b>Type:</b>	2 Door Fixed head Coupe and Targa	<b>Material:</b>	Steel
<b>No. of seats:</b>	2 + 2	<b>No. doors:</b>	Two
<b>Comments:</b>	None		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1372 mm	<b>Rear:</b>	1368 mm
<b>Wheelbase:</b>	2271 mm	<b>Overall length:</b>	4291 mm
<b>Dry weight:</b>	1020 kg – 1120 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix**  
**Genealogy – 911S**

September 1969	(C Series)	911S 2.2 introduced. 5 Speed (No Sporto) GSD Optional Coupe and Targa Bosch Mechanical injection
1972	(E Series)	2.4 introduced. Now has front air dam
September 1973	(G Series)	2.7 introduced Bosch K-Jetronic injection