

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.

Make of Car:	Porsche	Model:	911 Carrera RS 2.7 F Series 2.7 G Series 2.7 H Series
Period of Original Manufacture:	October 1972 to 1975		
Motorsport Australia Historic Group:	Sc		
Date of Issue of this Document:	31/12/2024		
NOTE	The 1974 G Series Carrera RS 3.0 is not an eligible vehicle for Group S. Models eligible are 1973 2.7 RS Carrera and 1974 and 1975 2.7 G and H Series Carrera. Rear spoiler on these cars must be model correct		



1973 2.7 RS Carrera F Series



1974 2.7 Carrera G Series with Duck Tail rear spoiler



1975 2.7 RS Carrera G and H Series with flat spoiler



1975 2.7 RS Carrera G and H Series with flat spoiler

Update Log

30/6/2022	Document layout
31/12/2024	Inclusion of kerb and minimum racing weights

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Uni body Coupe
Period of Manufacture:	October 1972 to 1975
Manufacturer:	Porsche KG
Chassis Number From:	F Series 91136 - > G Series 91146 - > H Series 91156 - >
Chassis Number location:	Front luggage compartment
Material:	Steel
Comments	Only genuine vehicles with the correct chassis numbers allowed

1.2. FRONT SUSPENSION

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

1.3. REAR SUSPENSION

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

1.4. STEERING

Type:	Rack and pinion	Make:	Porsche
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc, solid	Disc, solid
Dimensions:	282 mm x 20 mm	290 mm x 20 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	Two
Actuation:	Hydraulic	Hydraulic
Caliper make:	ATE	
Caliper type:		
Material:	Alloy	
Master cylinder make:	ATE	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Porsche		
Model:	911/83		
No. cylinders:	Six	Configuration:	Horizontal
Cylinder Block-material:	Magnesium	Two/Four Stroke:	Four
Bore – Original:	90.0 mm	Max allowed:	91.5 mm
Stroke – original:	70.4 mm	Max allowed:	70.4 mm
Capacity – original:	2687 cc	Max allowed:	2778 cc
Identifying marks:			
Cooling method:	Air and Oil		
Comments:	Aluminium engine case allowed in place of Magnesium case. See Appendix		

2.2. CYLINDER HEAD

Make:	Porsche		
Material:	Alloy		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Six	Inlet: Three	Exhaust: Three
No. of camshafts:	Two	Location: Head	Drive: Chain
Valve actuation:	Rockers		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
Comments:	None		

2.3. LUBRICATION

Method:	Dry sump		
Dry sump type:	Porsche	Location:	Sump
Oil cooler standard:	Yes	Location:	RHS rear
Comments:	None		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	N/A	Model:	N/A
Carburettor Number:			
Fuel injection Make:	Bosch	Type:	Up to 1974 Mechanical From 1974 K/Jetronic (for cars exported to USA)
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

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

3.2. TRANSMISSION

Type:	Synchromesh
Make:	Porsche
Model	901
Gearbox location:	In front of engine
No. forward speeds:	Five
Gearchange type and location:	Remote, centre floor
Case material:	Alloy
Identifying marks:	N/A
Comments:	Optional 5 speed from 1972 “E” series. Sporto – optional all models Ratios free.

3.3. FINAL DRIVE

Make:	Porsche
Model:	915
Type:	Sprung unit, Transaxle
Wheel drive method:	Rear
Ratios:	Various
Differential type:	Spin resistant - ZF
Comments:	Limited slip differential optional.

3.4. TRANSMISSION SHAFTS (EXPOSED)

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

3.5. WHEELS & TYRES

Wheel type - Original:	Cast	Material - Original:	Alloy
Wheel type - Allowed:	Cast or disc	Material - Allowed:	Alloy Steel
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	F Series 6" x 15"	G Series 7" x 15"	F Series 7" x 15" G Series 8" x 15"
Allowed	F Series 6" x 15" G Series 7" x 15"		F Series 7" x 15" G Series 8" x 15"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Front compartment	Capacity:	85 litres
Fuel pump, type:	Electrical & mechanical Tank and engine	Make:	Various
Comments:	Fuel pump/s free		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	2 Door Fixed head Coupe and Targa	Material:	Steel
No. of seats:	2 + 2	No. doors:	Two
Comments:	RS 2.7 F Series Duck tail rear spoiler 2.7 G Series Duck Tail rear spoiler or Flat Tail rear spoiler 2.7 H Series Duck Tail rear spoiler or Flat Tail rear spoiler		

4.4. DIMENSIONS

Track - Front:	1372 mm	Rear:	1380 mm – 1394 mm
Wheelbase:	2271 mm	Overall length:	4291 mm
Approved Manufacturer's kerb weight:	1075 kg		
Approved minimum racing weight:	980 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix
Engine case



Aluminium alloy case on the left
Magnesium alloy case on the Right



Aluminium case No. 901 101 101 01



Magnesium case No. 901 101 102 7R

The early 2.0 litre case is very similar to the 2.7 case. Needs to be bored out to accept the 2.7 barrels & pistons.

Genealogy – 911T

- (F Series) Carrera RS introduced 2.7 litres.
Three variants, Sport, Touring & Racing.
Rear fenders widened.
“Ducks Tail” rear spoiler and front air dam added.
- (G & H Series) Carrera introduced with full equipment level as per 911 2.7 litre.
Early cars retained Duck Tail Spoiler.
Flat Tail rear spoiler and front air dam fitted to both variants.