



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:	356 B 1600 1600 Super Super 90
Period of Original Manufacture:	1959 - 1963		
Motorsport Australia Historic Group:	Sa		
Date of Issue of this Document:	31/12/2024		



Update Log

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

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary construction
Period of Manufacture:	1959 – 1963
Manufacturer:	Porsche KG
Chassis Number From:	108918>>>
Chassis Number location:	Floor of front luggage compartment
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent, trailing parallel links		
Spring Medium:	Torsion bar		
Damper Type:	Telescopic	Adjustable:	Optional
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	Yes	Method:	Torsion bar tension, Camber, Castor
Comments:	Ride height unrestricted		

1.3. REAR SUSPENSION

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

1.4. STEERING

Type:	Worm and nut	Make:	ZF
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	280 mm x 40 mm	280 mm x 40 mm
Material of drum/disc:	Steel/Alloy	Steel/Alloy
No. cylinders/pots per wheel:	Two	Two
Actuation:	Hydraulic	Hydraulic
Caliper make:	ATE – Lockheed	
Caliper type:		
Material:	Cast iron	
Master cylinder make:	ATE – Lockheed	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Fittent of twin master cylinders permitted.	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Porsche		
Model:	616		
No. cylinders:	Four	Configuration:	Horizontal boxer
Cylinder Block-material:	Alloy	Two/Four Stroke:	Four
Bore – Original:	82.5 mm	Max allowed:	84.0 mm
Stroke – original:	74 mm	Max allowed:	74 mm
Capacity – original:	1582 cc	Max allowed:	1640 cc
Identifying marks:			
Cooling method:	Air and Oil		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Porsche		
Material:	Alloy		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	One	Location: Crankcase	Drive: Gear
Valve actuation:	Pushrod and rockers		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
Comments:	None		

2.3. LUBRICATION

Method:	Wet sump		
Dry sump type:	N/A	Location:	N/A
Oil cooler standard:	Yes	Location:	Engine compartment
Comments:	Oil cooler permitted		

2.4. IGNITION SYSTEM

Type:	Points, coil and distributor		
Make:	Bosch		
Comments:	None		

2.5. FUEL SYSTEM

Carburettor Make:	Solex	Model:	40 P11-4
Carburettor Make:	Zenith	Model:	32NDIX
Carburettor Number:	Two		
Fuel injection Make:	N/A	Type:	
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Porsche
Type:	Diaphragm
Diameter:	200 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Transaxle
Make:	Porsche
Model:	
Gearbox location:	Rear of car
No. forward speeds:	Four
Gearchange type and location:	Floor remote
Case material:	Alloy
Identifying marks:	N/A
Comments:	Ratios free.

3.3. FINAL DRIVE

Make:	Porsche
Model:	
Type:	Transaxle to rear wheels
Wheel drive method:	Rear
Ratios:	
Differential type:	Free
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:	Pressed steel	Material - Original:	Steel
Wheel type - Allowed:	Cast or disc	Material - Allowed:	Alloy Steel
Fixture method:	Studs and nuts	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4.5" x 15"		4.5" x 15"
Allowed	5" x 15"		5" x 15"
Tyre Section:			
Original:	5.6 x 15"		5.6 x 15"
Allowed:	185/60 x 15"		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Front compartment	Capacity:	52 litres
Fuel pump, type:	Mechanical on engine.	Make:	VW
Comments:	Fuel pump/s free		

4.2. ELECTRICAL SYSTEM

Voltage:	Six	Alternator fitted:	Generator
Battery Location:	RHS engine compartment		
Comments:	Voltage may be changed to 12		

4.3. BODYWORK

Type:	Fixed head Coupe or Roadster	Material:	Steel
No. of seats:	Two	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1306 mm	Rear:	1272 mm
Wheelbase:	2108 mm	Overall length:	4010 mm
Approved Manufacturer's kerb weight:	795 kg		
Approved minimum racing weight:	715 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix