



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>	356 B 1600 1600 Super Super 90
<b>Period of Original Manufacture:</b>	1959 - 1963		
<b>Motorsport Australia Historic Group:</b>	Sa		
<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>	Unitary construction
<b>Period of Manufacture:</b>	1959 – 1963
<b>Manufacturer:</b>	Porsche KG
<b>Chassis Number From:</b>	108918>>>
<b>Chassis Number location:</b>	Floor of front luggage compartment
<b>Material:</b>	Steel
<b>Comments</b>	None

**1.2. FRONT SUSPENSION**

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

**1.3. REAR SUSPENSION**

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

**1.4. STEERING**

<b>Type:</b>	Worm and nut	<b>Make:</b>	ZF
<b>Comments</b>	None		

**1.5. BRAKES**

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

**SECTION 2 - ENGINE**

**2.1. ENGINE**

<b>Make:</b>	Porsche		
<b>Model:</b>	616		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	Horizontal boxer
<b>Cylinder Block-material:</b>	Alloy	<b>Two/Four Stroke:</b>	Four
<b>Bore – Original:</b>	82.5 mm	<b>Max allowed:</b>	84.0 mm
<b>Stroke – original:</b>	74 mm	<b>Max allowed:</b>	74 mm
<b>Capacity – original:</b>	1582 cc	<b>Max allowed:</b>	1640 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>	Eight	<b>Inlet:</b> Four	<b>Exhaust:</b> Four
<b>No. of camshafts:</b>	One	<b>Location:</b> Crankcase	<b>Drive:</b> Gear
<b>Valve actuation:</b>	Pushrod and rockers		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	None		

**2.3. LUBRICATION**

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

**2.4. IGNITION SYSTEM**

<b>Type:</b>	Points, coil and distributor		
<b>Make:</b>	Bosch		
<b>Comments:</b>	None		

**2.5. FUEL SYSTEM**

<b>Carburettor Make:</b>	Solex	<b>Model:</b>	40 P11-4
<b>Carburettor Make:</b>	Zenith	<b>Model:</b>	32NDIX
<b>Carburettor Number:</b>	Two		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	
<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>	200 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Hydraulic
<b>Comments:</b>	None

**3.2. TRANSMISSION**

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

**3.3. FINAL DRIVE**

<b>Make:</b>	Porsche
<b>Model:</b>	
<b>Type:</b>	Transaxle to rear wheels
<b>Wheel drive method:</b>	Rear
<b>Ratios:</b>	
<b>Differential type:</b>	Free
<b>Comments:</b>	Limited slip differential optional.

**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>	Pressed steel	<b>Material - Original:</b>	Steel
<b>Wheel type - Allowed:</b>	Cast or disc	<b>Material - Allowed:</b>	Alloy Steel
<b>Fixture method:</b>	Studs and nuts	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4.5" x 15"		4.5" x 15"
<b>Allowed</b>	5" x 15"		5" x 15"
<b>Tyre Section:</b>			
<b>Original:</b>	5.6 x 15"		5.6 x 15"
<b>Allowed:</b>	185/60 x 15"		
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	Refer approved tyre list.		

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

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

### 4.2. ELECTRICAL SYSTEM

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

### 4.3. BODYWORK

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

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1306 mm	<b>Rear:</b>	1272 mm
<b>Wheelbase:</b>	2108 mm	<b>Overall length:</b>	4010 mm
<b>Dry weight:</b>	900 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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**Appendix**