



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: | 928 |
| Period of Original Manufacture: | August 1977 to 1980 | | |
| Motorsport Australia Historic Group: | Sc | | |
| 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: | August 1977 to 1980 | | |
| Manufacturer: | Porsche AG | | |
| Chassis Number From: | VIN 928 820>> | | |
| Chassis Number location: | Base of windscreen | | |
| Material: | Steel/Aluminium | | |
| Comments | None | | |

1.2. FRONT SUSPENSION

| | | | |
|-------------------------------|-----------------------------------|--------------------|------------------------|
| Description: | Independent, wishbones | | |
| Spring Medium: | Coil | | |
| Damper Type: | Telescopic | Adjustable: | No |
| Anti-sway bar: | Fitted | Adjustable: | No |
| Suspension adjustable: | Yes | Method: | Castor, camber and toe |
| Comments: | Spring rates and ride height free | | |

1.3. REAR SUSPENSION

| | | | |
|-------------------------------|-----------------------------------|--------------------|----------|
| Description: | Independent with trailing arms | | |
| Spring Medium: | Torsion bar | | |
| Damper Type: | Telescopic | Adjustable | Optional |
| Anti-sway bar: | Fitted | Adjustable: | Yes |
| Suspension adjustable: | Yes | Method: | |
| Comments: | Spring rates and ride height free | | |

1.4. STEERING

| | | | |
|-----------------|---------------|--------------|---------|
| Type: | Rack & pinion | Make: | Porsche |
| Comments | None | | |

1.5. BRAKES

| | Front | Rear |
|--------------------------------------|--|-----------|
| Type: | Disc, solid | Disc |
| Dimensions: | 282 mm | 289 mm |
| Material of drum/disc: | Cast iron | Cast iron |
| No. cylinders/pots per wheel: | Two | Two |
| Actuation: | Hydraulic | Hydraulic |
| Caliper make: | Porsche | |
| Caliper type: | Dual piston slider | |
| Material: | Cast iron | |
| Master cylinder make: | AP | |
| Type: | Tandem | |
| Adjustable bias: | Yes | |
| Servo Fitted: | Yes | |
| Comments: | Dual master cylinders and brake bias permitted | |

SECTION 2 - ENGINE

2.1. ENGINE

| | | | |
|---------------------------------|---------|-------------------------|---------|
| Make: | Porsche | | |
| Model: | 928 | | |
| No. cylinders: | Eight | Configuration: | Vee |
| Cylinder Block-material: | Alloy | Two/Four Stroke: | Four |
| Bore - Original: | 95 mm | Max allowed: | 96.5 mm |
| Stroke - original: | 78.9 mm | Max allowed: | 78.9 mm |
| Capacity - original: | 4474 cc | Max allowed: | 4614 cc |
| Identifying marks: | | | |
| Cooling method: | Fluid | | |
| Comments: | | | |

2.2. CYLINDER HEAD

| | | | |
|--------------------------------|-----------|------------------|-------|
| Make: | Porsche | | |
| No. of valves/cylinder: | Two | Inlet: | One |
| | | Exhaust: | One |
| No. of ports total: | Sixteen | Inlet: | Eight |
| | | Exhaust: | Eight |
| No. of camshafts: | Two | Location: | Heads |
| | | Drive: | Belt |
| Valve actuation: | Hydraulic | | |
| Spark plugs/cylinder: | One | | |
| Identifying marks: | | | |
| Comments: | None | | |

2.3. LUBRICATION

| | | | |
|-----------------------------|----------|---------------------------|------------------------|
| Method: | Wet sump | Oil tank location: | N/A |
| Dry sump pump type: | N/A | Location: | N/A |
| Oil cooler standard: | Yes | Location: | Integral with radiator |
| Comments: | None | | |

2.4. IGNITION SYSTEM

| | |
|------------------|------------|
| Type: | Electroinc |
| Make: | Bosch |
| Comments: | None |

2.5. FUEL SYSTEM

| | | | |
|-----------------------------|-------|---------------|--------------|
| Carburettor Make: | N/A | Model: | N/A |
| Carburettor Number: | N/A | | |
| Size: | | | |
| Fuel injection Make: | Bosch | Type: | K - jetronic |
| Supercharged: | No | Type: | N/A |
| Comments: | None | | |

SECTION 3 - TRANSMISSION

3.1. CLUTCH

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

3.2. TRANSMISSION

| | |
|--------------------------------------|-------------------------------------|
| Type: | Synchromesh |
| Make: | Porsche |
| Gearbox location: | Transaxle Integral with final drive |
| No. forward speeds: | Five |
| Gearchange type and location: | Remote on floor |
| Case material: | Light alloy |
| Identifying marks: | N/A |
| Comments: | None |

3.3. FINAL DRIVE

| | | | |
|----------------------------|--------------------------------------|---------------|-----|
| Make: | Porsche | Model: | 928 |
| Type: | Sprung unit - transaxle | | |
| Wheel drive method: | Rear | | |
| Ratios: | Various | | |
| Differential type: | Spin resistant | | |
| Comments: | Limited slip differentail permitted. | | |

3.4. TRANSMISSION SHAFTS (EXPOSED)

| | |
|---------------------|--------------------------------|
| Number: | Two |
| Location: | Transaxle to rear wheels |
| Description: | Half shaft with twin CV joints |
| Comments: | None |

3.5. WHEELS & TYRES

| | | | |
|-----------------------------------|---|-----------------------------|-------------------------------|
| Wheel type - Original: | Cast | Material - Original: | Aluminium alloy |
| Wheel type - Allowed: | Period cast | Material - Allowed: | Aluminium alloy |
| Fixture method: | Studs | No. studs: | Five |
| Wheel dia. & rim width | FRONT | | REAR |
| Original: | 7 x 16 | | 7 x 16 |
| Allowed | 7 x 16 | | 7 x 16 |
| Tyre Section: | | | |
| Original: | 225/50 - 16 | | 225/50 - 16 |
| Allowed: | 205/60 – 14 or 205/60 - 15 | | 205/60 – 14 or 205/60 - 15 |
| Aspect ratio - minimum: | 50% minimum aspect ratio. Normal 60% minimum aspect ratio not applicable as originally fitted 50% A/R | | |
| Comments: | Refer approved tyre list. Tyre section chosen must suit rim dimensions | | |

SECTION 4 GENERAL

4.1. FUEL SYSTEM

| | | | |
|-------------------------|----------|------------------|-----------|
| Tank Location: | Rear | Capacity: | 86 litres |
| Fuel pump, type: | Electric | Make: | Bosch |
| Comments: | None | | |

4.2. ELECTRICAL SYSTEM

| | | | |
|--------------------------|------------|---------------------------|-----|
| Voltage: | Twelve | Alternator fitted: | Yes |
| Battery Location: | Engine bay | | |
| Comments: | None | | |

4.3. BODYWORK

| | | | |
|----------------------|------------------|-------------------|-----------------|
| Type: | Fixed head coupe | Material: | Steel/Aluminium |
| No. of seats: | Four | No. doors: | Two |
| Comments: | None | | |

4.4. DIMENSIONS

| | | | |
|---|---------|------------------------|---------|
| Track - Front: | 1550 mm | Rear: | 1520 mm |
| Wheelbase: | 2500 mm | Overall length: | 4450 mm |
| Approved Manufacturer's kerb weight: | 1450 kg | | |
| Approved minimum racing weight: | 1340 kg | | |
| Comments: | None | | |

4.5. SAFETY EQUIPMENT

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|------------------------------------|
| Refer applicable Group Regulations |
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Appendix