



<b>5TH CATEGORY - HISTORIC RACING</b> <b>GROUP S</b> <b>APPROVED VEHICLE SPECIFICATION</b>
--

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>	Fiat	<b>Model:</b>	124 Sports Spider BS
<b>Period of Original Manufacture:</b>	1969 – 1972		
<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>	Unitary construction
<b>Period of Manufacture:</b>	1969 – 1972
<b>Manufacturer:</b>	Fiat
<b>Chassis Number From:</b>	124BS xxx
<b>Chassis Number location:</b>	ID Plate – bulkhead
<b>Material:</b>	Mild steel
<b>Comments</b>	None

### 1.2. FRONT SUSPENSION

<b>Description:</b>	Independent front suspension – upper and lower wishbones		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	Optional
<b>Anti-sway bar:</b>	Yes	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	Spring rates and ride height unrestricted		

### 1.3. REAR SUSPENSION

<b>Description:</b>	Rigid axle, radius arms and Panhard bar		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable</b>	Optional
<b>Anti-sway bar:</b>	Yes	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	Spring rates and ride height unrestricted		

### 1.4. STEERING

<b>Type:</b>	Worm and roller	<b>Make:</b>	Fiat
<b>Comments</b>	None		

### 1.5. BRAKES

	Front	Rear
<b>Type:</b>	Disc	Disc
<b>Dimensions:</b>	227 mm	227 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	One	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	Fiat	
<b>Caliper type:</b>		
<b>Material:</b>	Alloy	
<b>Master cylinder make:</b>	Fiat	
<b>Type:</b>	Tandem	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Yes	
<b>Comments:</b>	Dual master cylinders permitted	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Fiat		
<b>Model:</b>	125 A (1608 cc) 125 B (1608 cc)		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore – Original - 1608:</b>	80 mm	<b>Max allowed:</b>	81.5 mm
<b>Stroke – original - 1608:</b>	80 mm	<b>Max allowed:</b>	80 mm
<b>Capacity – original - 1608:</b>	1608 cc	<b>Max allowed:</b>	1670 cc
<b>Identifying marks:</b>	Block casting number 125 A, 125 B		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Fiat		
<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>	Two	<b>Location:</b> Head	<b>Drive:</b> Toothed belt
<b>Valve actuation:</b>	Buckets		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	125 A, 125 B		
<b>Comments:</b>	None		

### 2.3. LUBRICATION

<b>Method:</b>	Wet sump	<b>Oil tank location:</b>	N/A
<b>Dry sump pump type:</b>	N/A	<b>Location:</b>	N/A
<b>Oil cooler standard:</b>	No	<b>Location:</b>	N/A
<b>Comments:</b>	Oil cooler allowed		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Points, Coil and Distributor
<b>Make:</b>	Marelli 5124B
<b>Comments:</b>	None

### 2.5. FUEL SYSTEM

<b>Carburettor Make:</b>	Weber	<b>Model:</b>	34 DFH
<b>Carburettor Number:</b>	One (Dual choke)		
<b>Size:</b>	Carburettor choke size free		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Fiat
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	200 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Mechanical (cable)
<b>Comments:</b>	Clutch and method of actuation are free

**3.2. TRANSMISSION**

<b>Type:</b>	Five speed synchromesh
<b>Make:</b>	Fiat
<b>Model</b>	124
<b>Gearbox location:</b>	Behind engine
<b>No. forward speeds:</b>	Four or Five
<b>Gearchange type and location:</b>	Floor remote
<b>Case material:</b>	Aluminium Alloy
<b>Identifying marks:</b>	
<b>Comments:</b>	Ratios free

**3.3. FINAL DRIVE**

<b>Make:</b>	Fiat	<b>Model:</b>	124
<b>Wheel drive:</b>	Rear		
<b>Ratios:</b>	Various		
<b>Differential type:</b>	Hypoid bevel		
<b>Comments:</b>	Ratios free Limited slip differential allowed		

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	One
<b>Location:</b>	Gearbox to final drive
<b>Description:</b>	Tailshaft with universal joints
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc Cast Alloy	<b>Material - Original:</b>	Steel Alloy (Cromodora)
<b>Wheel type - Allowed:</b>	Cast alloy	<b>Material - Allowed:</b>	Aluminium 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>	5" x 13"		5" x 13"
<b>Allowed</b>	6" x 13"		6" x 13"
<b>Tyre Section:</b>			
<b>Original:</b>	13" x 165		13" x 165
<b>Allowed:</b>	13" x 185/60"		13" x 185/60"
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	Refer approved tyre list. Rim size and tyre size limited to combination that will fit under standard wheel arch. Alloy wheels type should be as shown identified as CD9, with small hubcaps.		

-

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Rear	<b>Capacity:</b>	45 litres
<b>Fuel pump, type:</b>	Mechanical	<b>Make:</b>	Fiat
<b>Comments:</b>	Fuel pumps free		

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	Twelve	<b>Alternator fitted:</b>	Alternator
<b>Battery Location:</b>	Engine bay		
<b>Comments:</b>	None		

### 4.3. BODYWORK

<b>Type:</b>	Two door sports roadster	<b>Material:</b>	Steel
<b>No. of seats:</b>	2 + 2	<b>No. doors:</b>	Two
<b>Comments:</b>	Larger taillights, mesh grille and black-rimmed gauges inside. In July 1970 the 1.6-liter BS1 appeared; this model is recognisable by its twin humps on the bonnet and bumper overriders		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1346 mm	<b>Rear:</b>	1316 mm
<b>Wheelbase:</b>	2280 mm	<b>Overall length:</b>	3971 mm
<b>Dry weight:</b>	920 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
------------------------------------

**Appendix**