



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:	Fiat	Model:	124 Sports Spider CS
Period of Original Manufacture:	1973 – 1978		
Motorsport Australia Historic Group:	Sc		
Date of Issue of this Document:	30/6/2022		
Note	The 124 CS2 Spider (2 litre) current from 1978 is not eligible within this group		



Update Log

30/6/2022	Document layout

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary construction		
Period of Manufacture:	1973 – 1978		
Manufacturer:	Fiat		
Chassis Number From:	124CS xxx		
Chassis Number location:	ID Plate – bulkhead		
Material:	Steel		
Comments	None		

1.2. FRONT SUSPENSION

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

1.3. REAR SUSPENSION

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

1.4. STEERING

Type:	Worm and roller	Make:	Fiat
Comments	None		

1.5. BRAKES

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

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Fiat		
Model:	124		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – Original - 1608:	84 mm	Max allowed:	85.5 mm
Stroke – original - 1608:	79.2 mm	Max allowed:	79.2 mm
Capacity – original - 1608:	1756 cc	Max allowed:	1818 cc
Identifying marks:	Block casting number132AC1###		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Fiat		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Eight	Inlet: Four	Exhaust: Four
No. of camshafts:	Two	Location: Head	Drive: Toothed belt
Valve actuation:	Buckets		
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:	No	Location:	N/A
Comments:	Oil cooler allowed		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor		
Make:	Marelli 5124B		
Comments:	None		

2.5. FUEL SYSTEM

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

SECTION 3 - TRANSMISSION

3.1. CLUTCH

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

3.2. TRANSMISSION

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

3.3. FINAL DRIVE

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

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to final drive
Description:	Tailshaft with universal joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Disc Cast Alloy	Material - Original:	Steel Alloy (Cromodora)
Wheel type - Allowed:	Cast alloy	Material - Allowed:	Aluminium Alloy
Fixture method:	Bolt on	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	5" x 13"		5" x 13"
Allowed	6" x 13"		6" x 13"
Tyre Section:			
Original:	13" x 165		13" x 165
Allowed:	13" x 185/60"		13" x 185/60"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list. Rim size and tyre size limited to combination that will fit under standard wheel arch. Period alloy wheels are permitted.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

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

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Alternator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Two door sports roadster	Material:	Steel
No. of seats:	2 + 2	No. doors:	Two
Comments:	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

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

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix