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 AS 1400 124 Sports Spider AS 1600
Period of Original Manufacture:	1966 – 1970		
Motorsport Australia Historic Group:	Sb		
Date of Issue of this Document:	30/6/2022		

Update Log

30/6/2022	Document layout

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary construction
Period of Manufacture:	1966 – 1970
Manufacturer:	Fiat
Chassis Number From:	124 CC xxx
Chassis Number location:	ID Plate – bulkhead
Material:	Mild steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent front suspension – upper and lower wishbones			
Spring Medium:	Coil			
Damper Type:	Tubular		**Adjustable:**	No
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:	Tubular		**Adjustable**	No
Anti-sway bar:	Yes		**Adjustable:**	No
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 (Master vacuum)	
Comments:	Rear brake pressure regulator fitted as standard	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Fiat		
Model:	124 AC (1438 cc) 125 A (1608 cc) 125 B (1608 cc)		
No. cylinders:	Four	**Configuration:**	In line
Cylinder Block-material:	Cast iron	**Two/Four Stroke:**	Four
Bore – Original - 1438:	80.0 mm	**Max allowed:**	81.5 mm
Stroke – original - 1438:	71.5 mm	**Max allowed:**	71.5 mm
Capacity – original - 1438:	1438 cc	**Max allowed:**	1492 cc
Bore – Original - 1608:	80 mm	**Max allowed:**	81.5 mm
Stroke – original - 1608:	80 mm	**Max allowed:**	80 mm
Capacity – original - 1608:	1608 cc	**Max allowed:**	1670 cc
Identifying marks:	Block casting number 124 AC, 125 A, 125 B		
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:	124 AC, 125b A, 125 B				
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 DFH
Carburettor Number:	One (Dual choke)		
Carburettor Make:	Weber	**Model:**	40 IDF 10/11
Carburettor Number:	Two		
Carburettor Make:	Solex	**Model:**	C40 P116
Carburettor Number:	Two		
Size:	Bore size unrestricted		
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:	Tubular two piece tailshaft with centre bearing
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. Alloy wheels type should be as shown identified as CD9, with small hubcaps.		

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SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under boot	**Capacity:**	45 litres
Fuel pump, type:	Mechanical and Electrical	**Make:**	Fiat
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	**Alternator fitted:**	Alternator
Battery Location:	Right front corner of Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Open sports (Spider)	**Material:**	Steel
No. of seats:	2 + 2	**No. doors:**	Two
Comments:	None		

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