



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 Sport Coupe
Period of Original Manufacture:	1966 – 1970		
Motorsport Australia Historic Group:	Sb		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary chassis/body		
Period of Manufacture:	1966 – 1970		
Manufacturer:	Fiat		
Chassis Number From:	124 AC 000		
Chassis Number location:			
Material:	Mild steel		
Comments			

1.2. FRONT SUSPENSION

Description:	Independent front suspension – twin 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		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	80.0 mm	Max allowed:	81.5 mm
Stroke - original:	71.5 mm	Max allowed:	71.5 mm
Capacity - original:	1438 cc	Max allowed:	1492 CC
Identifying marks:	Block casting number 124 AC		
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:	Overhead cam		
Spark plugs/cylinder:	One		
Identifying marks:	124 A or 124 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:	none		

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

Carburettor Make:	Weber	Model:	34 DFH 34 DHS
Carburettor Number:	One		
Size:			
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Two Webers allowed. Bore size unrestricted		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Fiat
Type:	Diaphragm
Diameter:	200 mm
No. of Plates:	One
Actuation:	Mechanical (cable)
Comments:	None

3.2. TRANSMISSION

Type:	Four or five speed synchromesh
Make:	Fiat
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:	
Wheel drive:	Rear		
Ratios:	Various		
Differential type:	Hypoid bevel		
Comments:	Ratios free Limited slip differential allowed		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Tailshaft
Description:	Two piece with centre bearing
Comments:	

3.5. WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
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"		13" x 185"
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.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under boot	Capacity:	45 litres
Fuel pump, type:	Mechanical	Make:	
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:	Fixed head coupe (Sports coupe)	Material:	Steel
No. of seats:	Four	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1346 mm	Rear:	1316 mm
Wheelbase:	2420 mm	Overall length:	4115 mm
Dry weight:	960 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix