



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:	128 Coupe SL
Period of Original Manufacture:	1971 – 1975		
Motorsport Australia Historic Group:	Sc		
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:	1971 – 1975
Manufacturer:	Fiat
Chassis Number From:	128AC xxx
Chassis Number location:	RHS Top shocker housing
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent – McPherson strut		
Spring Medium:	Coil		
Damper Type:	Internal – hydraulic	Adjustable:	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height unrestricted		

1.3. REAR SUSPENSION

Description:	Independent – transverse swinging arms - Struts		
Spring Medium:	Coil		
Damper Type:	Internal – hydraulic	Adjustable	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride height unrestricted		

1.4. STEERING

Type:	Rack and pinion	Make:	Fiat
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	227 mm x 10 mm	185 mm x 30 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 - may be deleted	
Comments:	Dual master cylinders permitted	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Fiat		
Model:	128		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – original - 1116:	80 mm	Max allowed:	81.5 mm
Stroke – original - 1116:	55.5 mm	Max allowed:	55.5 mm
Capacity – original - 1116:	1116 cc	Max allowed:	1157 cc
Bore – Original - 1290:	86 mm	Max allowed:	87.5 mm
Stroke – original - 1290:	55.5 mm	Max allowed:	55.5 mm
Capacity – original - 1290:	1290 cc	Max allowed:	1334 cc
Identifying marks:			
Cooling method:	Liquid		
Comments:	Earlier cars fitted with 1100cc engine		

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
Comments:	None

2.5. FUEL SYSTEM

Carburettor Make:	Weber	Model:	32DMTR
Carburettor Number:	One		
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:	181.5 mm
No. of Plates:	One
Actuation:	Mechanical (cable)
Comments:	Clutch and method of actuation are free

3.2. TRANSMISSION

Type:	Transaxle
Make:	Fiat
Model	128
Gearbox location:	Integral with engine
No. forward speeds:	Four
Gearchange type and location:	Central
Case material:	Aluminium Alloy
Identifying marks:	
Comments:	Ratios free

3.3. FINAL DRIVE

Make:	Fiat	Model:	
Wheel drive:	Front wheel drive		
Ratios:	13/53 standard		
Differential type:	Free		
Comments:	Ratios free Limited slip differential permitted		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Transaxle to front wheels
Description:	Individual driveshafts with CV joints
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Steel	Material - Original:	Steel
Wheel type - Allowed:	Period alloy	Material - Allowed:	Alloy
Fixture method:	Bolt on	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4.5" x 13"		4.5" x 13"
Allowed	5" x 13"		5" x 13"
Tyre Section:			
Original:	13" x 145		13" x 145
Allowed:	13" x 175		13" x 175
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Rear	Capacity:	50 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:	2x2 seat Coupe	Material:	Steel
No. of seats:	Four	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1325 mm	Rear:	1333 mm
Wheelbase:	2223 mm	Overall length:	3808 mm
Dry weight:	840 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix