

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:	Lancia	Model:	Fulvia Sport Zagato Series I - 1.2 Sport Zagato Series I - 1.3 Sport Zagato Alu Series I - 1.3 Sport Zagato Acier Series I - 1.3S Sport Zagato Series II - 1.3S Sport Zagato Series II - 1600 Sport Zagato
Period of Original Manufacture:	Series I - 1.2 Sport Zagato – 1965 - 1967 Series I - 1.3 Sport Zagato Alu – 1967 - 1968 Series I - 1.3 Sport Zagato Acier – 1968 - 1969 Series I - 1.3S Sport Zagato – 1968 - 1970 Series II - 1.3S Sport Zagato S2 – 1970 - 1972 Series II - 1600 Sport Zagato S2 – 1971 - 1972		
Motorsport Australia Historic Group:	Sb		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Platform
Period of Manufacture:	Series I - 1.2 Sport Zagato – 1965 - 1967 Series I - 1.3 Sport Zagato Alu – 1967 - 1968 Series I - 1.3 Sport Zagato Acier – 1968 - 1969 Series I - 1.3S Sport Zagato – 1968 - 1970 Series II - 1.3S Sport Zagato S2 – 1970 - 1972 Series II - 1600 Sport Zagato S2 – 1971 - 1972
Manufacturer:	Lancia
Chassis Number From:	Refer Appendix
Chassis Number location:	RHS Engine bay bulkhead
Material:	Mild steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent - double wishbone		
Spring Medium:	Transverse leaf		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	No	Method:	Toe
Comments:	Spring rates and ride height are free		

1.3. REAR SUSPENSION

Description:	Tubular beam axle		
Spring Medium:	Semi elliptic leaf		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	Yes	Method:	Toe
Comments:	Spring rates and ride height are free		

1.4. STEERING

Type:	Worm and sector	Make:	Lancia
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	257 mm	257 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One or Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Dunlop	
Caliper type:		
Material:	Cast iron	
Master cylinder make:	Dunlop	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Lancia		
Model:	818		
No. cylinders:	Four	Configuration:	Transverse Vee
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore – Original - 1.2:	76.0 mm	Max allowed:	77.5 mm
Stroke – original – 1.2:	67.0 mm	Max allowed:	67.0 mm
Capacity – original – 1.2:	1216 cc	Max allowed:	1264 cc
Bore – Original - 1.3:	77.0 mm	Max allowed:	78.5 mm
Stroke – original – 1.3:	69.7 mm	Max allowed:	69.7 mm
Capacity – original – 1.3:	1298 cc	Max allowed:	1349 cc
Bore – Original - 1600:	82.0 mm	Max allowed:	83.5 mm
Stroke – original – 1600:	75.0 mm	Max allowed:	75.0 mm
Capacity – original – 1600:	1584 cc	Max allowed:	1642 cc
Identifying marks:	On bellhousing 818 Series – Refer Appendix		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Lancia		
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:	818540		
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 permitted		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor		
Make:	Marelli		
Comments	1.2/1.3 Magnetti Marelli Distributor S105C, Ducellier 4206A Distributor Fitting Kit: FK 316 Performance Kit: CEK160 or CEK150 1600 Magnetti Marelli Distributor S 139A Fitting Kit: FK720 Performance Kit: CEK160 or CEK150		

2.5. FUEL SYSTEM

Carburettor Make – 1.2, 1.3:	Solex	Model:	34DOL 35PHH
Carburettor Make – 1.2, 1.3:	Weber	Model:	40
Carburettor Make – 1600:	Solex	Model:	C2 42DDHF C2 45 DDHF
Carburettor Make – 1600:	Weber	Model:	45 DCOE
Carburettor Make – 1600:	Dellorto	Model:	45 DHCA
Carburettor Number:	Two		
Size:			
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Volvo FTS
Type:	Dry plate
Diameter:	200 mm
No. of Plates:	One
Actuation:	Mechanical – cable
Comments:	None

3.2. TRANSMISSION

Type:	Manual, synchromesh
Make:	Lancia
Gearbox location:	Bolted to engine
No. forward speeds:	Series I – Four Series II - Five
Gearchange type and location:	Lever, central floor
Case material:	Aluminium
Identifying marks:	Plate LHS – 818 540, 818 740
Comments:	Ratios free

3.3. FINAL DRIVE

Make:	Lancia	Model:	Lancia
Wheel drive method	Front		
Ratios:	Various		
Differential type:	Free		
Comments:	Ratios free Limited slip differential allowed		

3.4. TRANSMISSION SHAFTS (EXPOSED)

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

3.5. WHEELS & TYRES

Wheel type - Original:	Cast alloy	Material - Original:	Magnesium alloy
Wheel type - Allowed:	Cast alloy	Material - Allowed:	Magnesium alloy
Fixture method:	Bolt on	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	4 ½"x 14"		4 ½"x 14"
Allowed	5"x 14"		5"x 14"
Tyre Section:			
Original:	145 SR 14		145 SR 14
Allowed:	155 x 14"		155 x 14"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	5 ½ " Campagnola type optional on 1.3 Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Rear -under boot floor	Capacity:	38 litres
Fuel pump, type:	Mechanical	Make:	Lancia
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Series I – Generator Series II - Alternator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Coupe	Material:	Series I - Early ones - Aluminium bodyshell with aluminium or steel or epoxy resin front/rear bonnets, and aluminium or steel doors. Later ones – Steel bodyshell with aluminium bonnet, doors, and spare wheel hatch Series II – 1.3S - Very early versions of these Series 2 cars were fitted with Series I bodysells with a separate spare wheel-hatch and smaller rear lights and aluminium bonnet and doors. Later versions have all-steel bodysells, no spare wheel hatch, and larger rear lights 1600 - matte black radiator grille with chrome edges, black rubber over-riders on the bumpers, a matte black band on the engine bonnet, and new flush door handles
No. of seats:	Series I -1.2 – Two Series I – 1.3 and thereafter - Three	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1300 mm	Rear:	1280 mm
Wheelbase:	2330 mm	Overall length:	4090 mm
Dry weight:	985 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix
Chassis numbers

Vehicle	LHD	RHD	1966	1967	1968	1969	1970	1971	1972
1.2 Sport Zagato	818.132	818.133	1004 - 1155	1156 - 1202					
1.3 Sport Zagato Alu	818.332	818.333		1203 - 1870	1871 - 1911				
1.3 Sport Zagato Acier	818.332	818.333			1912 - 2803	2804 - 2804			
1.3S Sport Zagato	818.362	818.363			1001 - 1129	1130 - 2198	2199 - 2898		
1.3S Sport Zagato	818.650	818.651					1001 - 1338	1339 - 2925	2926 - 3600
1600 Sport Zagato	818.750	818.751						1001 - 1287	1288 - 1800

Engine numbers

Name	Version	LHD	RHD	Engine
FULVIA	1.2 Sport Zagato	818.132	818.133	818.130
FULVIA	1.3 Sport Zagato Alu	818.332	818.333	818.302
FULVIA	1.3 Sport Zagato Acier	818.332	818.333	818.302
FULVIA	1.3S Sport Zagato	818.362	818.363	818.303
FULVIA	1.3S Sport Zagato	818.650	818.651	818.303
FULVIA	1600 Sport Zagato	818.750	818.751	818.540