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| 5TH CATEGORY - HISTORIC RACING GROUP S APPROVED VEHICLE SPECIFICATION |
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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 Coupe Rallye 1.6HF Series I Series 2 |
| Period of Original Manufacture: | Series I - 1969 – 1970 Series II – 1970 - 1973 | | |
| Motorsport Australia Historic Group: | Sb | | |
| Date of Issue of this Document: | 30/6/2022 | | |



Update Log

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| 30/6/2022 | Document layout |
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SECTION 1 - CHASSIS

1.1. CHASSIS

| | |
|---------------------------------|--|
| Description: | Platform |
| Period of Manufacture: | Series I - 1969 – 1970 Series II – 1970 - 1973 |
| Manufacturer: | Lancia |
| Chassis Number From: | Series I – 818.540 (LHD), 818.541 (RHD) Series II –818.740 (LHD), 818.741 (RHD) 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: | Adjustable Panhard rod standard Spring rates and ride height are free | | |

1.4. STEERING

| | | | |
|-----------------|-----------------|--------------|------------------|
| Type: | Worm and sector | Make: | Lancia/Gemmer ZF |
| 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: | Two | Two |
| Actuation: | Hydraulic | Hydraulic |
| Caliper make: | Girling Dunlop | |
| Caliper type: | | |
| Material: | Cast iron | |
| Master cylinder make: | Girling Dunlop | |
| Type: | Tandem | |
| Adjustable bias: | No | |
| Servo Fitted: | Yes | |
| Comments: | None | |

SECTION 2 - ENGINE

2.1. ENGINE

| | | | |
|---------------------------------|---|-------------------------|----------------|
| Make: | Lancia | | |
| Model: | 818.540 "variante 1016", V4 (11°20' angle) | | |
| No. cylinders: | Four | Configuration: | Transverse Vee |
| Cylinder Block-material: | Cast iron | Two/Four Stroke: | Four |
| Bore – Original: | 82.0 mm | Max allowed: | 83.5 mm |
| Stroke – original: | 75.0 mm | Max allowed: | 75.0 mm |
| Capacity – original: | 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: | Dry sump | Oil tank location: | N/A |
| Dry sump pump type: | N/A | Location: | N/a |
| Oil cooler standard: | Yes | Location: | LHS behind grille |
| Comments: | None | | |

2.4. IGNITION SYSTEM

| | | | |
|-----------------|---|--|--|
| Type: | Points, Coil and Distributor | | |
| Make: | Various | | |
| Comments | Magnetti Marelli Distributor S 139A Fitting Kit: FK720 Performance Kit: CEK160 or CEK15 | | |

2.5. FUEL SYSTEM

| | | | |
|-----------------------------|----------|---------------|----------------------|
| Carburettor Make: | Solex | Model: | C42 DDHF C45 DDHF |
| Carburettor Make: | Weber | Model: | C45 DCOE |
| Carburettor Make: | Dellorto | Model: | C45 DHLA |
| 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: | 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: | 6"x 13" | | 6"x 13" |
| | 6"x 14" | | 6"x 14" |
| Allowed | 6"x 13" | | 6"x 13" |
| | 6"x 14" | | 6"x 14" |
| Tyre Section: | | | |
| Original: | 175 SR 13 | | 175 SR 13 |
| | 175 SR 14 | | 175 SR 14 |
| Allowed: | 185 x 13" | | 185 x 13" |
| | 185 x 14" | | 185 x 14" |
| Aspect ratio - minimum: | 60% minimum aspect ratio. | | |
| Comments: | Wheels must be Cromodora or Campagnola type Refer approved tyre list. | | |

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SECTION 4 GENERAL

4.1. FUEL SYSTEM

| | | | |
|-------------------------|--|------------------|-------------------------------------|
| Tank Location: | Rear -under boot floor | Capacity: | 38 litres 60 litres 90 litres |
| Fuel pump, type: | Mechanical - lever | Make: | Lancia |
| Comments: | Filler on top of right hand side mud guard | | |

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

| | | | |
|----------------------|--|-------------------|--|
| Type: | Coupe | Material: | Steel/aluminium bodyshell with aluminium or steel or epoxy resin front/rear bonnets, and aluminium or steel doors. |
| No. of seats: | Two | No. doors: | Two |
| Comments: | Perspex side glass optional 1971: extended wheel arches | | |

4.4. DIMENSIONS

| | | | |
|-----------------------|--------------|------------------------|---------|
| Track - Front: | 1390 mm | Rear: | 1335 mm |
| Wheelbase: | 2330 mm | Overall length: | 3935 mm |
| Dry weight: | 780 - 825 kg | | |
| Comments: | None | | |

4.5. SAFETY EQUIPMENT

| |
|------------------------------------|
| Refer applicable Group Regulations |
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Appendix
Chassis numbers

| Vehicle | LHD | RHD | 1969 | 1970 | 1971 | 1972 | 1973 |
|----------------------------------|---------|---------|-------------|-------------|-------------|-------------|-------------|
| Coupé Rallye 1.6 HF "Fanalone" | 818.540 | 818.541 | 1001 - 1430 | 1431 - 2258 | | | |
| 1600 HF Coupé S2 , Lusso & Corsa | 818.740 | 818.741 | | 1001 - 1520 | 1521 - 3669 | 3670 - 4519 | 4520 - 4690 |

Engine numbers

| Name | Version | LHD | RHD | Engine |
|--------|----------------------------------|---------|---------|---------|
| FULVIA | Coupé Rallye 1.6 HF "Fanalone" | 818.540 | 818.541 | 818.540 |
| FULVIA | 1600 HF Coupé S2 , Lusso & Corsa | 818.740 | 818.741 | 818.540 |