5TH CATEGORY - HISTORIC RACING
GROUP N
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:	Alfa Romeo	**Model:**	Giulia Sprint GT
Period of Original Manufacture:	1963 - 1965		
Motorsport Australia Historic Group:	Nb		
Date of Issue of this Document:	16 February 2025		

Update Log

16/2/2025	New Specification Sheet

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary chassis body
Period of Manufacture:	1963 - 1965
Manufacturer:	Alfa Romeo
Chassis Number From:	10502.600849 to 10502.610615
Chassis Number location:	Top of firewall
Material:	Mild Steel
Comments	None

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 heights may be adjusted			

1.3. REAR SUSPENSION

Description:	Live axle – two trailing arms – upper transverse and longitudinal link.			
Spring Medium:	Coil			
Damper Type:	Tubular		**Adjustable**	No
Anti-sway bar:	Fitted		**Adjustable:**	No
Suspension adjustable:	No	**Method:**	N/A	
Comments:	Spring rates and ride heights are free			

1.4. STEERING

Type:	Recirculating ball	**Make:**	Alfa Romeo
Comments	None		

1.5. BRAKES

	Front	**Rear**
Type:	Disc	Disc
Dimensions:	267 mm x 10.9 mm	267 mm x 9.4 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Brembo	
Caliper type:	Tandem	
Material:	Cast iron	
Master cylinder make:	ATE	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	Dual or tandem master cylinders permitted. Servo may be rendered inoperative	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Alfa Romeo		
Model:	105		
No. cylinders:	Four	**Configuration:**	In line
Cylinder Block-material:	Aluminium	**Two/Four Stroke:**	Four
Bore - Original:	78 mm	**Max allowed:**	79.5 mm
Stroke - original:	82 mm	**Max allowed:**	82 mm
Capacity - original:	1570 cc	**Max allowed:**	1628 cc
Identifying marks:	RHS front or LHS rear AR00502.*****		
Cooling method:	Liquid		
Comments:	Any 1570 block is acceptable		

2.2. CYLINDER HEAD

Make:	Alfa Romeo				
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:**	Chain
Valve actuation:	Direct				
Spark plugs/cylinder:	One				
Identifying marks:	Cast on front of head Symbol on front of head: Varies				
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:	Bosch, Lucas, Marelli
Comments	Breakerless electronic ignition permitted

2.5. FUEL SYSTEM

Carburettor Make:	Weber	**Model:**	40 DCOE 32
Carburettor Number:	Two		
Size:	40		
Fuel injection Make:	N/A	**Type:**	N/A
Supercharged:	No	**Type:**	N/A
Comments:	Carburettor throat size may be varied		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Various
Type:	Diaphragm
Diameter:	200mm
No. of Plates:	One
Actuation:	Mechanical
Comments:	Clutch and method of actuation are free

3.2. TRANSMISSION

Type:	Manual
Make:	Alfa Romeo
Model	105
Gearbox location:	Behind engine
No. forward speeds:	Five
Gearchange type and location:	Central remote shift
Case material:	Aluminium
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	Alfa Romeo	**Model:**	105
Wheel drive method	Rear		
Ratios:	Various		
Differential type:	Hypoid bevel		
Comments:	Limited slip differential permitted		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Tailshaft
Description:	Tubular
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Steel disc	**Material - Original:**	Mild steel
Wheel type - Allowed:	Period alloy or Alloy	**Material - Allowed:**	Period alloy or steel
Fixture method:	Bolt on	**No. studs:**	Four
Wheel dia. & rim width	**FRONT**		**REAR**
Original:	5.5” x 15”		5.5” x 15”
Allowed	6” x 15”		6” x 15”
Tyre Section:			
Original:	155/80 x 15”		155/80 x 15”
Allowed:	205/60 x 15”		205/60 x 15”
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

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SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under boot	**Capacity:**	46 litres
Fuel pump, type:	Mechanical, on engine	**Make:**	Fispa
Comments:	Electric fuel pumps permitted		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	**Alternator fitted:**	Alternator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Fixed head coupe	**Material:**	Steel
No. of seats:	Four	**No. doors:**	Two
Comments:	Exterior badging: Alfa Romeo logo on the front grille, a chrome script reading "Giulia Sprint GT" on the boot lid, and rectangular "Disegno di Bertone" badges aft of the front wheel arches. Flat, chrome grille in plain, wide rectangular mesh without additional chrome bars. Single-piece chrome bumpers; no overriders.		

4.4. DIMENSIONS

Track - Front:	1310 mm	**Rear:**	1270 mm
Wheelbase:	2350 mm	**Overall length:**	4080 mm
Approved Manufacturer's kerb weight:	950 kg		
Approved minimum racing weight:	924 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix