



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.

<b>Make of Car:</b>	Alfa Romeo	<b>Model:</b>	Giulia 1600 TI Giulia 1600 TI Super
<b>Period of Original Manufacture:</b>	1962 – 1967 (Giulia 1600 TI) 1963 – 1970 (Giulia 1600 TI Super)		
<b>Motorsport Australia Historic Group:</b>	Nb		
<b>Date of Issue of this Document:</b>	1 January 2024		



Refer to The *Manual*, Historic Appendix, Vehicle Eligibility, General Requirements & Historic Touring Cars Group N Regulations for permitted modifications.

***Update Log***

1/1/2024	Inclusion of kerb and minimum racing weights

## SECTION 1 - CHASSIS

### 1.1. CHASSIS

<b>Description:</b>	Unitary construction
<b>Period of Manufacture:</b>	1963 – 1964
<b>Manufacturer:</b>	Alfa Romeo
<b>Chassis Number From:</b>	AR*
<b>Chassis Number location:</b>	RHS Firewall
<b>Material:</b>	Steel
<b>Comments</b>	None

### 1.2. FRONT SUSPENSION

<b>Description:</b>	Independent - lower Wishbone & Upper Control Arms		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	Yes
<b>Anti-sway bar:</b>	Fitted	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Caster and Camber - Threaded
<b>Comments:</b>	None		

### 1.3. REAR SUSPENSION

<b>Description:</b>	Live Axle -Two Lower Trailing Arms and one Upper Trailing Arm		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Telescopic	<b>Adjustable:</b>	Yes
<b>Anti-sway bar:</b>	None	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	None		

### 1.4. STEERING

<b>Type:</b>	Recirculating Ball	<b>Make:</b>	Burman
<b>Comments</b>	None		

### 1.5. BRAKES

Giulia 1600 TI and Giulia 1600 TI Super	Front	Rear
<b>Type:</b>	Disc, vented	Disc, solid
<b>Dimensions:</b>	286 mm x 12.5 mm	246 mm x 10 mm
<b>Material of drum/disc:</b>	Cast iron	Cast Iron
<b>No. cylinders/pots per wheel:</b>	Two	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	ATE	ATE
<b>Caliper type:</b>	Tandem	
<b>Material:</b>	Cast iron	
<b>Master cylinder make:</b>	Bonaldi	
<b>Type:</b>	Single	
<b>Adjustable bias:</b>	No	
<b>Servo Fitted:</b>	Some models	
<b>Comments:</b>	None	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Alfa Romeo		
<b>Model:</b>	Giulia TI Super		
<b>No. cylinders:</b>	Four	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Alloy	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	78 mm	<b>Max allowed:</b>	79.5 mm
<b>Stroke - original:</b>	82 mm	<b>Max allowed:</b>	82 mm
<b>Capacity - original:</b>	1567 cc	<b>Max allowed:</b>	1628 cc
<b>Identifying marks:</b>	RHS front or LHS rear AR00516.***** AR00548.***** AR00551.***** AR00526.***** AR00585.***** AR00528.***** AR00514.***** AR00502.***** AR00536.*****		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Alfa Romeo		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b> One	<b>Exhaust:</b> One
<b>No. of ports total:</b>	Eight	<b>Inlet:</b> One	<b>Exhaust:</b> One
<b>No. of camshafts:</b>	Two	<b>Location:</b> Head	<b>Drive:</b> Chain
<b>Valve actuation:</b>	Buckets		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	Cast on front of head Symbol on front of head: Varies		
<b>Comments:</b>	None		

### 2.3. LUBRICATION

<b>Method:</b>	Wet sump	<b>Oil tank location:</b>	N/A
<b>Dry sump pump type:</b>	N/A	<b>Location:</b>	N/A
<b>Oil cooler standard:</b>	No	<b>Location:</b>	N/A
<b>Comments:</b>	None		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Twin point distributor		
<b>Make:</b>	Bosch		
<b>Comments:</b>	Breakerless electronic ignition permitted		

### 2.5. FUEL SYSTEM

<b>Carburettor Make - TI 1600:</b>	Solex	<b>Model:</b>	PAIA 7
<b>Carburettor Number:</b>	One		
<b>Size:</b>	33 mm		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		
<b>Carburettor Make – TI Super:</b>	Weber	<b>Model:</b>	DCOE
<b>Carburettor Number:</b>	Two		
<b>Size:</b>	45 mm		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Various
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	200 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Mechanical
<b>Comments:</b>	None

**3.2. TRANSMISSION**

<b>Type:</b>	5-speed synchromesh
<b>Make:</b>	Alfa Romeo
<b>Gearbox location:</b>	Behind engine
<b>No. forward speeds:</b>	Five
<b>Gearchange type and location:</b>	H pattern floor mounted
<b>Case material:</b>	Alloy
<b>Identifying marks:</b>	N/A
<b>Comments:</b>	None

**3.3. FINAL DRIVE**

<b>Make:</b>	Alfa Romeo	<b>Model:</b>	Helical gears
<b>Ratios:</b>	Various		
<b>Differential type:</b>	Hypoid	<b>Type:</b>	
<b>Comments:</b>	None		

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	One
<b>Location:</b>	Gearbox to final drive
<b>Description:</b>	Tubular shaft with 2 universal joints with front rubber coupling
<b>Comments:</b>	None

**3.5. WHEELS & TYRES**

<b>Wheel type – Original TI 1600:</b>	Steel	<b>Material - Original:</b>	Steel
<b>Wheel type – Original TI Super:</b>	Alloy	<b>Material - Original:</b>	Alloy
<b>Wheel type - Allowed:</b>	Alloy (period style)	<b>Material - Allowed:</b>	Alloy (period style)
<b>Fixture method:</b>	Bolt on	<b>No. studs:</b>	Four
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	5" x 15" 5.5" x 15"		5" x 15" 5.5" x 15"
<b>Allowed</b>	6" x 15"		6" x 15"
<b>Tyre Section:</b>			
<b>Allowed:</b>	Refer approved tyre list.		
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	None		

## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Rear	<b>Capacity:</b>	45.5 litres
<b>Fuel pump, type:</b>	Mechanical	<b>Make:</b>	Alfa Romeo
<b>Comments:</b>	None		

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	12	<b>Alternator fitted:</b>	No – Dynamo
<b>Battery Location:</b>	LHS of engine bay		
<b>Comments:</b>	None		

### 4.3. BODYWORK

<b>Type:</b>	Closed	<b>Material:</b>	Steel
<b>No. of seats:</b>	Five	<b>No. doors:</b>	Four
<b>Comments:</b>	Doors: Steel Body: Steel Bonnet/Boot: Steel Window - rear Plexiglass (TI Super only) Inner lights can be removed to allow fresh air intake (TI Super only).		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1310 mm (max)	<b>Rear:</b>	1270 mm (max)
<b>Wheelbase:</b>	2510 mm	<b>Overall length:</b>	4115 mm
<b>Agreed Manufacturer's kerb weight - TI:</b>	1060 kg		
<b>Agreed minimum racing weight - TI:</b>	1034 kg		
<b>Agreed Manufacturer's kerb weight – TI Super:</b>	960 kg		
<b>Agreed minimum racing weight – TI Super:</b>	936 kg		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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## Appendix

### Windows:

Front door ventilator windows and rear door windows are Plexiglas (TI Super only):



For 1970, updates included dual-circuit brakes, centre-mounted handbrake lever to replace under-dash "umbrella handle", larger external doorhandles, and top-hinged pedals (the latter in left hand drive models only; right hand drive continued with bottom-hinged pedals to the end of production (TI Super only).

### Interior

The heater, door armrests, the grab handle in front of the passenger, the glove box lid, and ashtrays were deleted in the TI Super only.

### Instruments

Dashboard - two large round instruments (speedo and tacho) and clock (TI Super only).