



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:	Jaguar	Model:	2.4 Mark 1
Period of Original Manufacture:	1955-1959		
Motorsport Australia Historic Group:	Na		
Date of Issue of this Document:	1 January 2024		



Standard trim pack



Special equipment trim

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

Description:	Uni - body
Period of Manufacture:	1955 – 59
Manufacturer:	Jaguar
Chassis Number From:	900001-916250 = RHD, 940001 – 943742 = LHD
Chassis Number location:	Front radiator support panel, body number on rear floor under seat.
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent - upper & lower wishbones		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	Yes	Method:	Castor, camber and Toe
Comments:	Refer to Appendix A		

1.3. REAR SUSPENSION

Description:	Live rear axle with trailing arms & Panhard rod		
Spring Medium:	Semi elliptical		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	No	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Refer to Appendix A		

1.4. STEERING

Type:	Worm and Ball	Make:	Burman
Comments			

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	282.5mm Dia 58 mm Wide	282.5mm Dia 58 mm Wide
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	Girling
Caliper type:	Fixed	Fixed
Material:	Cast iron	Cast iron
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Jaguar		
Model:	2.4		
No. cylinders:	Six	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	83.0 mm	Max allowed:	84.5 mm
Stroke - original:	76.5 mm	Max allowed:	76.5 mm
Capacity - original:	2483 cc	Max allowed:	2574 cc
Identifying marks:	N/A		
Cooling method:	Liquid		
Comments:	Category regs restrict a 1.5mm bore increase with no increase in stroke.		

2.2. CYLINDER HEAD

Make:	Jaguar		
No. of valves/cylinder:	Two	Inlet: One	Exhaust: One
No. of ports total:	Twelve	Inlet: Six	Exhaust: Six
No. of camshafts:	Two	Location: Head	Drive: Chain
Valve actuation:	Buckets		
Spark plugs/cylinder:	One		
Identifying marks:	N/A		
Comments:	Early 'B' type head only. Straight port head not acceptable.		

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:	None		

2.4. IGNITION SYSTEM

Type:	Points, coil & distributor		
Make:	Lucas		
Comments	Breakerless electronic ignition NOT permitted		

2.5. FUEL SYSTEM

Carburettor Make:	Solex	Model: 32 PB1 – 5	
Carburettor Number:	Two		
Size:	32 mm		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg & Beck
Type:	Diaphragm
Diameter:	250 mm
No. of Plates:	Borg & Beck
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Non-Synchromesh (NO over drive unit)
Make:	Jaguar
Gearbox location:	Behind engine
No. forward speeds:	Four with overdrive
Gearchange type and location:	H pattern floor mounted
Case material:	Cast iron
Identifying marks:	GB / or GBN
Comments:	Later syncro gearbox must not be utilised.

3.3. FINAL DRIVE

Make:	Jaguar	Model:	3HA
Type:	Live axle		
Ratios:	Various		
Differential type:	Open/ LSD		
Comments:	Differential type is located on the 2 tags bolted to inspection cover on the diff.		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Gearbox to final drive
Description:	Open tailshaft with twin uni joints
Comments:	Steel

3.5. WHEELS & TYRES

Wheel type - Original:	Wire	Material - Original:	Steel spoke
Wheel type - Allowed:	Period cast	Material - Allowed:	Alloy
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	5" x 15"		5" x 15"
Allowed	5" x 15"		5" x 15"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	65% minimum aspect ratio.		
Comments:	None		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Boot floor	Capacity:	60 litres
Fuel pump, type:	Electric, in boot	Make:	Various
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	12	Alternator fitted:	Generator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Closed touring	Material:	Steel
No. of seats:	Four	No. doors:	Four
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1397 mm	Rear:	1374 mm
Wheelbase:	2727 mm	Overall length:	4591 mm
Approved Manufacturer's kerb weight:	1367 kgs		
Approved minimum racing weight:	1340 kgs		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.