



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:	Mark 2
Period of Original Manufacture:	1959-1967		
Motorsport Australia Historic Group:	Nb		
Date of Issue of this Document:	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

Description:	Uni - body
Period of Manufacture:	1955 – 59
Manufacturer:	Jaguar
Chassis Number From:	RHD – 200001, 200235, 202943, 207438, 209862, 231949, 233764, 234910, 235258, 235383 LHD - 210001, 210961, 215666, 219926, 222132, 223367, 224068, 224353, 224654, 224758
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 Semi-elliptical leaf spring.		
Spring Medium:	Semi elliptical leaf		
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:	Recirculating ball	Make:	Burman
Comments	Recirculating ball power steering permitted.		

1.5. BRAKES

	Front	Rear
Type:	Disc, solid	Disc, solid
Dimensions:	280 x 9.5 mm	289 x 9.5 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	Two
Actuation:	Hydraulic	Hydraulic
Caliper make:	Dunlop	Dunlop
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:	3.8		
No. cylinders:	Six	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	87.0 mm	Max allowed:	88.5 mm
Stroke - original:	106 mm	Max allowed:	106 mm
Capacity - original:	3781 cc	Max allowed:	4499 cc
Identifying marks:	Engine prefix LA, LB or LE		
Cooling method:	Liquid		
Comments:	Refer to class regulations re Bore and 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:	B series Head only (later straight port not permitted)		

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 permitted		

2.5. FUEL SYSTEM

Carburettor Make:	SU	Model:	HD6
Carburettor Number:	Two		
Size:	44.5 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:	254 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Non-Synchromesh with optional electronic overdrive
Make:	Moss
Gearbox location:	Behind engine
No. forward speeds:	Four with Laycock de Normanville electric overdrive
Gearchange type and location:	H pattern floor mounted (Reverse gear should be located to the left and forward).
Case material:	Cast iron
Identifying marks:	GB or GBN (may have overdrive)
Comments:	Early Moss box only (Reverse gear located across to passengers side and forward or up)

3.3. FINAL DRIVE

Make:	Jaguar	Model:	4HA
Type:	Live axle		
Ratios:	Various		
Differential type:	Hypoid bevel LSD		
Comments:	Differential type is located on two metal tags		

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 or Steel disc	Material - Original:	Steel or wire spoke
Wheel type - Allowed:	Period cast Steel Spoke	Material - Allowed:	Alloy
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	5" x 15"		5" x 15"
Allowed	6" x 15"		6" x 15"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% 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:	Alternator
Battery Location:	Engine bay		
Comments:	None		

4.3. BODYWORK

Type:	Closed touring	Material:	Steel
No. of seats:	Four	No. doors:	Four
Comments:	Slender front pillars allowed a wider windscreen, and the rear window almost wrapped around to the enlarged side windows. Jaguar D-shape above the back door and fully chromed frames for all the side windows. Model type (3.8) is badged on the boot lid, above the number plate light housing. Louvred bonnets were not a factory option and are not permitted. Coombs arch flares were not a factory option and cannot be utilised.		

4.4. DIMENSIONS

Track - Front:	1387 mm	Rear:	1237 mm
Wheelbase:	2727 mm	Overall length:	4591 mm
Approved Manufacturer's kerb weight:	With overdrive – 1419 kgs Without overdrive – 1418 kgs		
Approved minimum racing weight:	With overdrive – 1391 kgs Without overdrive – 1390 kgs		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.