



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:	Mk V11, V11M & Mk VIII
Period of Original Manufacture:	Mk VII 1951 – 57, Mk VIII 1956 – 59		
Motorsport Australia Historic Group:	Na		
Date of Issue of this Document:	28 September 2021		



Refer to Motorsport Australia Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nc Regulations for permitted modifications.

Update Log

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Ladder with cross bracing
Period of Manufacture:	1951 to 1959
Manufacturer:	Jaguar
Chassis Number From:	900001-916250 = RHD, 940001 – 943742 = LHD
Chassis Number location:	710001 to 769999
Material:	Firewall
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent with upper & lower wishbones		
Spring Medium:	Torsion bar		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Fitted	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	None		

1.3. REAR SUSPENSION

Description:	Live rear axle with trailing arms & Panhard rod		
Spring Medium:	Semi elliptical leaf		
Damper Type:	Girling lever PV7	Adjustable:	No
Anti-sway bar:	No	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	None		

1.4. STEERING

Type:	Recirculating ball	Make:	Burmar
Power steering	RAM type system		
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum, twin leading shoe	Drum, single leading shoe
Dimensions:	305 mm	305 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	N/A	
Caliper type:	N/A	
Material:	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:	XK		
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:	106 mm	Max allowed:	106 mm
Capacity - original:	3441 cc	Max allowed:	3567 cc
Identifying marks:	N/A		
Cooling method:	Liquid		
Comments:	None		

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:	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:	None		

2.4. IGNITION SYSTEM

Type:	Points, coil & distributor		
Make:	Lucas		
Comments	Breakerless electronic ignition permitted		

2.5. FUEL SYSTEM

Carburettor Make:	SU	Model:	H6
Carburettor Number:	Two		
Size:	1.75"		
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:	A6 -G
Diameter:	250 mm
No. of Plates:	Borg & Beck
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	Synchromesh
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:	N/A
Comments:	None

3.3. FINAL DRIVE

Make:	Jaguar	Model:	4HA
Type:	Live axle		
Ratios:	4.27:1		
Differential type:	Open/Free		
Comments:	None		

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:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Period cast	Material - Allowed:	Alloy
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	5.5" x 16"		5.5" x 16"
Allowed	5.5" x 16"		5.5" x 16"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

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SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Rh & LH fender	Capacity:	68 litres
Fuel pump, type:	Electric x 2	Make:	SU – LCS
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:	1448 mm	Rear:	1473 mm
Wheelbase:	3048 mm	Overall length:	4991 mm
Dry weight:	1728 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix