



5TH CATEGORY - HISTORIC RACING
GROUP S
 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:	E-Type Series I Series II
Period of Original Manufacture:	Series I - 1961 – 1968 Series II – 1968 - 1971		
Motorsport Australia Historic Group:	Sb		
Date of Issue of this Document:	30/6/2022		



Update Log

30/6/2022	Document layout

SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Monocoque with subframes
Period of Manufacture:	Series I - 1961 – 1968 Series II – 1968 - 1971
Manufacturer:	Jaguar
Chassis Number From:	N/A
Chassis Number location:	Plate, near side firewall Number on front cross member
Material:	Mild steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent twin wishbones		
Spring Medium:	Torsion bar		
Damper Type:	Tubular	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and Ride height are free		

1.3. REAR SUSPENSION

Description:	Independent, wishbone and half shaft		
Spring Medium:	Coils (Twin)		
Damper Type:	Tubular (Twin)	Adjustable	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/a
Comments:	Spring rates and ride height are free.		

1.4. STEERING

Type:	Rack and pinion	Make:	Burman
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc, solid	Disc, solid
Dimensions:	279 mm*	254 mm*
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Three	Two
Actuation:	Hydraulic	Hydraulic
Caliper make – Series I:	Dunlop or Lockheed	
Caliper make – Series II:	Girling	
Caliper type:	Fixed	
Material:	Cast iron	
Master cylinder make - Series I:	Dunlop	
Master cylinder make - Series II:	Girling	
Type:	Tandem	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	* Disc diameters 304.8 mm (Front), 279 mm (Rear) allowed (SCCA rules)	

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 – Series I:	87 mm	Max allowed:	88.50 mm
Stroke – original – Series I:	106 mm	Max allowed:	106 mm
Capacity – original – Series I:	3781 cc	Max allowed:	3912 cc
Bore – Original – Series II:	92 mm	Max allowed:	93.5 mm
Stroke – original – Series II:	106 mm	Max allowed:	106 mm
Capacity – original – Series II:	4227 cc	Max allowed:	4367 cc
Identifying marks:	Engine number – Front RHS of block		
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:	Direct – OHC		
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:	Oil Cooler permitted		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor
Make:	Lucas
Comments:	None

2.5. FUEL SYSTEM

Carburettor Make:	SU	Model:	HD8
Carburettor Number:	Three		
Size:	2"		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	None		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Girling
Type:	Diaphragm
Diameter:	254 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	4 speed synchromesh
Make:	Series I – Moss Series II – Borg Warner
Gearbox location:	Behind engine
No. forward speeds:	Four
Gearchange type and location:	Floor – remote
Case material:	Cast iron
Identifying marks:	N/A
Comments:	None

3.3. FINAL DRIVE

Type	Jaguar Salisbury		
Make:	Jaguar	Model:	N/A
Wheel drive method	Rear		
Ratios:	Various		
Differential type:	Spin resistant Power Lok		
Comments:	None		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Differential to hubs
Description:	Solid shaft
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Steel disc Wire	Material - Original:	Mild steel
Wheel type - Allowed:	Steel disc Wire Period alloy	Material - Allowed:	Steel Aluminium Alloy
Fixture method:	Centre nut	No. studs:	N/A
Wheel dia. & rim width	FRONT		REAR
Original:	5" x 15"		5" x 15"
Allowed	6" x 15"		6" x 15"
Tyre Section:			
Original:	640 x 15"		640 x 15"
Allowed:	215 x 15		215 x 15
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list. Dunlop racing used in Sb period was: RS 600 x 5 – Front RS 650 x 15 - Rear		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Boot floor	Capacity:	63.6 litres
Fuel pump, type:	Electrical	Make:	SU
Comments:	None		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Open 2 seater or Fixed head Coupe	Material:	Mild Steel
No. of seats:	Five	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1270 mm	Rear:	1270 mm
Wheelbase:	2438 mm	Overall length:	4458 mm
Curb weight	1170 kg		
Dry weight:			
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix