



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:	Jensen-Healey	Model:	Mark I Mark II
Period of Original Manufacture:	Mark I – July 1972 – August 1973 Mark II – August 1973 – August 1975		
Motorsport Australia Historic Group:	Sc		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Unitary
Period of Manufacture:	Mark I – July 1972 – August 1973 Mark II – August 1973 – August 1975
Manufacturer:	Jensen
Chassis Number From:	55001
Chassis Number location:	Id plate on radiator cowling and chassis number on Front chassis rail or under passenger seat
Material:	Steel
Comments	2 Door convertible

1.2. FRONT SUSPENSION

Description:	Independent Double wishbone		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable:	No
Anti-sway bar:	Optional	Adjustable:	No
Suspension adjustable:	Yes	Method:	Caster and Toe
Comments:	Ride height and spring rates are free		

1.3. REAR SUSPENSION

Description:	Four link		
Spring Medium:	Coil		
Damper Type:	Telescopic	Adjustable	No
Anti-sway bar:	Optional	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Ride height and spring rates are free		

1.4. STEERING

Type:	Rack and pinion	Make:	Vauxhall
Comments	Nnoe		

1.5. BRAKES

	Front	Rear
Type:	Disc	Drum
Dimensions:	254 mm	228 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	Two	Two
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:	141f	
Material:	Steel	
Master cylinder make:	Girling	
Type:	Dual ine hydraulic	
Adjustable bias:	No	
Servo Fitted:	Yes	
Comments:	None	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Lotus		
Model:	907		
No. cylinders:	Four	Configuration:	In line slant
Cylinder Block-material:	Alloy	Two/Four Stroke:	Four
Bore - Original:	95.20 mm	Max allowed:	96.70 mm
Stroke - original:	69.30 mm	Max allowed:	69.30 mm
Capacity - original:	1973 cc	Max allowed:	2036 cc
Identifying marks:			
Cooling method:	Liquid		
Comments:	Compression ratio is 8.4		

2.2. CYLINDER HEAD

Make:	Lotus		
No. of valves/cylinder:	Four	Inlet:	Two
		Exhaust:	Two
No. of ports total:	Eight	Inlet:	Four
		Exhaust:	Four
No. of camshafts:	Two	Location:	Overhead cam
		Drive:	Belt
Valve actuation:	Direct		
Spark plugs/cylinder:	One		
Identifying marks:			
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 and Distributor		
Make:	Lucas		
Comments:	None		

2.5. FUEL SYSTEM

Carburettor Make:	Dellorto	Model:	DHLA
Carburettor Number:	Two		
Size:	40		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Also fitted with Stromberg in the US for emissions		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Borg and Beck
Type:	Disc/Diaphragm
Diameter:	218 mm
No. of Plates:	One
Actuation:	Mechanical – Cable
Comments:	None

3.2. TRANSMISSION

Type:	Syncromesh
Make:	Series I – Roots Group Series II – Getrag
Gearbox location:	Behind engine
No. forward speeds:	Series I – 4 speed Series II – 5 speed
Gearchange type and location:	Remote, floor
Case material:	Series I – Alloy/steel Series II – Alloy
Identifying marks:	Series I – N/A Series II – Cast into case
Comments:	None

3.3. FINAL DRIVE

Make:	Jensen/Vauxhall	Model:	
Wheel drive method	Rear wheel drive		
Ratios:	3.727, 3.45 or 3.9		
Differential type:	Hypoid bevel gears		
Comments:	Ratios free Limited slip differential allowed		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	One
Location:	Engine to differential
Description:	Tailshaft with two Cardan universal joints and sliding spline
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Cast	Material - Original:	Aluminium
Wheel type - Allowed:	Cast	Material - Allowed:	Aluminium
Fixture method:	Studs	No. studs:	Four
Wheel dia. & rim width	FRONT		REAR
Original:	5.5" x 13"		5.5" x 13"
Allowed	6" x 13"		6" x 13"
Tyre Section:			
Original:			
Allowed:			
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Boot	Capacity:	50 litres
Fuel pump, type:	Electrical/Boot	Make:	SU
Comments:	None		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Open sports	Material:	Steel
No. of seats:	Two	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1354 mm	Rear:	1332 mm
Wheelbase:	2337 mm	Overall length:	4113 mm 4207 mm – US bumper bars
Dry weight:	960 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix