



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:	Aston Martin	Model:	DBS
Period of Original Manufacture:	1967 – 1972		
Motorsport Australia Historic Group:	Sb		
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Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Platform
Period of Manufacture:	1967 – 1972
Manufacturer:	Aston Martin
Chassis Number From:	DBS/5001/R – DBS/5829/RC
Chassis Number location:	Scuttle
Material:	Mild steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent front suspension, Twin wishbone		
Spring Medium:	Coil		
Damper Type:	Tubular	Adjustable:	No
Anti-sway bar:	Yes	Adjustable:	No
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride heights may be adjusted		

1.3. REAR SUSPENSION

Description:	De Dion		
Spring Medium:	Coil		
Damper Type:	Tubular	Adjustable	No
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	N/A
Comments:	Spring rates and ride heights may be adjusted. Fore and aft location allowed		

1.4. STEERING

Type:	Rack and Pinion	Make:	Aston Martin
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Disc	Disc
Dimensions:	292 mm x 50.8 mm	274 mm x 44.5 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:		
Actuation:	Hydraulic	Hydraulic
Caliper make:	Girling	
Caliper type:	Tandem	
Material:	Cast iron	
Master cylinder make:	Girling	
Type:	Single	
Adjustable bias:	Permitted	
Servo Fitted:	Yes	
Comments:	Dual or tandem master cylinders permitted	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Aston Martin		
Model:	V VC		
No. cylinders:	Six	Configuration:	In line
Cylinder Block-material:	Aluminium	Two/Four Stroke:	Four
Bore - Original:	96 mm	Max allowed:	97.5 mm
Stroke - original:	92 mm	Max allowed:	92 mm
Capacity - original:	3995 cc	Max allowed:	4123 cc
Identifying marks:			
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Aston Martin		
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:	Overhead cam		
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:	Oil cooler allowed		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor		
Make:	Lucas		
Comments	Breakerless electronic ignition permitted		

2.5. FUEL SYSTEM

Carburettor Make - Standard:	SU	Model:	HD8
Carburettor Make - Vantage:	Weber	Model:	45DCOE
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:	Borg and Beck
Type:	Diaphragm
Diameter:	241 mm
No. of Plates:	One
Actuation:	Hydraulic
Comments:	None

3.2. TRANSMISSION

Type:	5 speed synchromesh
Make:	ZF
Gearbox location:	Behind engine
No. forward speeds:	Five
Gearchange type and location:	Floor remote
Case material:	Cast iron
Identifying marks:	N/A
Comments:	Ratios free

3.3. FINAL DRIVE

Make:	Aston Martin	Model:	
Ratios:	3.54 3.73		
Differential type:	Hypoid bevel		
Comments:	Ratios free		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Diff to rear hubs
Description:	Solid with roller splines
Comments:	None

3.5. WHEELS & TYRES

Wheel type - Original:	Wire	Material - Original:	Steel
Wheel type - Allowed:	Period alloy	Material - Allowed:	Period alloy
Fixture method:	Central hub Bolt	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	6" x 15"		6" x 15"
Allowed	6" x 15"		6" x 15"
Tyre Section:			
Original:			
Allowed:	215 x 15"		215 x 15"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list. Rim size limited to combination that will fit under standard wheel arch. Alloy wheels should be Aston DBS type.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Under boot	Capacity:	95.4 litres
Fuel pump, type:	Electrical	Make:	SU
Comments:	None		

4.2. ELECTRICAL SYSTEM

Voltage:	Twelve	Alternator fitted:	Alternator
Battery Location:	Boot		
Comments:	None		

4.3. BODYWORK

Type:	Fixed head Coupe	Material:	Steel
No. of seats:	Four (2 + 2)	No. doors:	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1500 mm	Rear:	1500 mm
Wheelbase:	2610 mm	Overall length:	4580 mm
Dry weight:	1300 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix