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:	Honda	**Model:**	S800
Period of Original Manufacture:	October 1965 - 1970		
Motorsport Australia Historic Group:	Sb		
Date of Issue of this Document:	30/6/2022		

Update Log

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SECTION 1 - CHASSIS

1.1. CHASSIS

Description:	Steel Box Section Ladder Frame
Period of Manufacture:	October 1965 - 1970
Manufacturer:	Honda
Chassis Number From:	AS800 - /100006
Chassis Number location:	Firewall & RHS Chassis Rail in Engine Bay
Material:	Steel
Comments	None

1.2. FRONT SUSPENSION

Description:	Independent - Wishbone			
Spring Medium:	Torsion bar			
Damper Type:	Telescopic		**Adjustable:**	No
Anti-sway bar:	Yes		**Adjustable:**	No
Suspension adjustable:	No	**Method:**	N/A	
Comments:	Ride height is free			

1.3. REAR SUSPENSION

Description:	Independent – Trailing Chain Cases			
Spring Medium:	Coil			
Damper Type:	Telescopic		**Adjustable**	No
Anti-sway bar:	No		**Adjustable:**	N/A
Suspension adjustable:	No	**Method:**		
Comments:	Spring rates and ride height are free. First 700 cars retained model 600 final (chain) drive arrangement. #AS800/1000006 – AS800/1000754)			

1.4. STEERING

Type:	Rack and pinion	**Make:**	Honda
Comments	None		

1.5. BRAKES

	Front	**Rear**
Type:	Drum	Drum
Dimensions:	212 mm x 34 mm	212 mm x 34 mm
Material of drum/disc:	Alloy	Alloy
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Dunlop (Girling from #AS800/1005001)	
Caliper type:		
Material:	Cast iron	
Master cylinder make:	Honda	
Type:	Single or Twin	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Tandem/Dual Master Cylinders permitted. * Disc brakes fitted in 1966 from AS800/1001356. All cars may be fitted with disc front brakes.	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Honda		
Model:	S800		
No. cylinders:	Four	**Configuration:**	In line
Cylinder Block-material:	Alloy	**Two/Four Stroke:**	Four
Bore - Original:	60 mm	**Max allowed:**	61.5 mm
Stroke - original:	70 mm	**Max allowed:**	70 mm
Capacity - original:	791 cc	**Max allowed:**	831 cc
Identifying marks:			
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

Make:	Honda				
No. of valves/cylinder:	Two	**Inlet:**	One	**Exhaust:**	One
No. of ports total:	Eight	**Inlet:**	Four	**Exhaust:**	Four
No. of camshafts:	Two	**Location:**	Head	**Drive:**	Chain
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:	Oil Cooler permitted		

2.4. IGNITION SYSTEM

Type:	Points, Coil and Distributor
Make:	Nippon Denso
Comments	None

2.5. FUEL SYSTEM

Carburettor Make:	Keihin Seiki	**Model:**	CVB (10 variants)
Carburettor Number:	Four		
Size:	36 mm		
Fuel injection Make:	N/A	**Type:**	N/A
Supercharged:	No	**Type:**	N/A
Comments:	Keihin Seiki type CR variant FB (Rubber mount). Carburettor bore size free		

SECTION 3 - TRANSMISSION

3.1. CLUTCH

Make:	Honda
Type:	Diaphragm
Diameter:	165 mm
No. of Plates:	One or Two
Actuation:	Hydraulic
Comments:	Clutch free, subject to retention of original actuating mechanism.

3.2. TRANSMISSION

Type:	4 speed synchromesh
Make:	Honda
Model	S800
Gearbox location:	Behind engine
No. forward speeds:	Four*
Gearchange type and location:	Floor – remote
Case material:	Alloy
Identifying marks:	
Comments:	*5 Speed Optional – Permitted on all cars

3.3. FINAL DRIVE

Make:	Honda	**Model:**	S800
Wheel drive method	Rear		
Ratios:	Various		
Differential type:	Spiral bevel – free		
Comments:	Ratios free Limited Slip Differential permitted.		

3.4. TRANSMISSION SHAFTS (EXPOSED)

Number:	Two
Location:	Gearbox to differential
Description:	Tailshaft with F & R Spherical Joints
Comments:	Final Drive from differential by means of Chains/Sprockets enclosed in swinging Chain Cases.

3.5. WHEELS & TYRES

Wheel type - Original:	Steel disc Aluminium alloy	**Material - Original:**	Steel Magnesium alloy
Wheel type - Allowed:	Period alloy	**Material - Allowed:**	Steel Alloy
Fixture method:	Bolt on	**No. studs:**	Five
Wheel dia. & rim width	**FRONT**		**REAR**
Original:	4.5” x 13”		4.5” x 13”
Allowed	5” x 13”		5” x 13”
Tyre Section:			
Original:			
Allowed:	175 x 13”		175 x 13”
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

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4.1. FUEL SYSTEM

Tank Location:	Rear	**Capacity:**	35 litres
Fuel pump, type:	Electric	**Make:**	
Comments:	Fuel pump free		

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Two seat roadster (Type AS800) or Two Seat Fixed Head Coupe (Type AS800C)	**Material:**	Steel
No. of seats:	Two	**No. doors:**	Two
Comments:	None		

4.4. DIMENSIONS

Track - Front:	1150 mm	**Rear:**	1128 mm
Wheelbase:	2000 mm	**Overall length:**	3300 mm
Dry weight:	705 kg (Roadster)		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix