



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:	S600
Period of Original Manufacture:	November 1964 - 1966		
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:	Steel Box Section Ladder Frame
Period of Manufacture:	November 1964 - 1966
Manufacturer:	Honda
Chassis Number From:	AS285 - 64/10005
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:	Optional
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	Optional
Anti-sway bar:	No	Adjustable:	N/A
Suspension adjustable:	No	Method:	
Comments:	Spring rates and ride height are free		

1.4. STEERING

Type:	Rack and pinion	Make:	Honda
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	203 mm	203 mm
Material of drum/disc:	Alloy	Alloy
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	Honda	
Caliper type:		
Material:	Cast iron	
Master cylinder make:	Honda	
Type:	Single	
Adjustable bias:	No	
Servo Fitted:	No	
Comments:	Tandem/Dual Master Cylinders permitted.	

SECTION 2 - ENGINE

2.1. ENGINE

Make:	Honda		
Model:	S600		
No. cylinders:	Four	Configuration:	In line
Cylinder Block-material:	Alloy	Two/Four Stroke:	Four
Bore - Original:	54.6 mm	Max allowed:	56.1 mm
Stroke - original:	65 mm	Max allowed:	65 mm
Capacity - original:	606 cc	Max allowed:	638 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	Model:	CVB (9 variants)
Carburettor Number:	Four		
Size:	26 mm		
Fuel injection Make:	N/A	Type:	N/A
Supercharged:	No	Type:	N/A
Comments:	Flange mounted Keihin 29mm Type CR RP35 – 29P – 40 approved variant. Rubber mounted Keihin CRS type allowed as component substitution of Flange mounted Keihin type CR. 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
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:	600
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" x 13"		4" x 13"
Allowed	5" x 13"		5" x 13"
Tyre Section:			
Original:	5.20 x 13"		5.20 x 13"
Allowed:	175 x 13"		175 x 13"
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	Refer approved tyre list.		

SECTION 4 GENERAL

4.1. FUEL SYSTEM

Tank Location:	Rear	Capacity:	30 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 AS285) or Two Seat Fixed Head Coupe (Type AS285C)	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:	713 kg		
Comments:	None		

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix