

CAMS

5TH CATEGORY - HISTORIC RACING

GROUP Nc

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 CAMS Manual of Motor Sport.

Make of Car: Holden **Model:** HQ Kingswood (V8)

Period of Original Manufacture: 7/1971 - 1974

CAMS Historic Group: Nc

Date of Issue of this Document: May 2004

Note: For the purposes of this document and the usage of non original componentry, it should be noted that the manufacturer is regarded as being General Motors - Holden's Pty Ltd, not General Motors.



SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location: Rear Capacity: 74 Litres
Fuel pump, type and location: Mechanical Make: GMH
Comments : Alternate fuel pump/s permitted. Refer Group Nc regulations.

4.2 ELECTRICAL SYSTEM

Voltage: 12 Volt
Battery Location: Engine Compartment
Comments: Refer Group Nc regulations for permitted modifications.

4.3 BODYWORK

Type: 4 Door Sedan Material: Steel
No. of seats: 5/6 No. doors: 4
Comments: Refer Group Nc regulations for permitted modifications.

4.4 DIMENSIONS

Track - Front: 1527 mm Rear: 1527 mm
Wheelbase: 2819 mm Overall length: 4763 mm
Dry weight: 1125 kg

4.5 SAFETY EQUIPMENT

Fire extinguisher : Required
Seat belt: Required
Rollbar: Required
Electrical cut off switch : Optional
Safety fuel tank : Optional

NOTE; Sports instrument group option, or normal instrument group are both acceptable.
Refer HQ Owners Manual.

SECTION 2 - ENGINE

2.1 ENGINE

Make: General Motors Holdens
Model: V8 5 Litre (308 c.i) HC
No. cylinders: 8 **Configuration:** Vee
Cylinder Block-material: Cast Iron **Four Stroke**
Bore - Original: 101.6 **Max. allowed:** 103.1
Stroke - original: 77.7 **Max. allowed:** 77.7
Capacity - original: 5045 cc **Max. allowed:** 5190cc
Cooling method: Water
Identifying marks: Prefix QT
Comments: 4 Bolt Engine Blocks not permitted. Refer Group Nc regulations for permitted modifications.

2.2 CYLINDER HEAD

Make: GMH
No. of valves/cylinder- **Inlet:** 1 **Exhaust:** 1
No. of ports total: 16 **Inlet:** 8 **Exhaust:** 8
No. of camshafts: 1 **Location:** Block **Drive:** Chain
Valve actuation: Pushrod
Spark plugs/cylinder: 1
Identifying marks: "HC"
Comments: Refer Group Nc regulations for permitted modifications.

2.3 LUBRICATION

Method: Wet **Oil tank location:** N/A
Dry sump pump type: N/A **Location:** N/A
Oil cooler standard: No **Location:** N/A
Comments: Refer Group Nc regulations for permitted modifications.

2.4 IGNITION

Type: OEM Distributor/Coil
Make: Bosch
Comments: Refer Group Nc regulations for permitted modifications.

2.5 FUEL FEED

Carburettor: Make: Carter **Model:** Dual Choke **No:** 1 **Size:**
Fuel injection Make: N/A **Type:** N/A
Supercharged: No **Type:** N/A
Make: N/A
Comments: Carburettor/s may be replaced by other units of period type and appearance. Refer Group Nc regulations.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unitary Construction **Period of Manufacture:** 7/1971 - 1974
Manufacturer: General Motors - Holden's P/L
VIN/Chassis no. from: Vin. No. HQ80469
Chassis no. location: Firewall
Material: Steel
Comments: Modifications permitted. Refer Group Nc regulations.

1.2 FRONT SUSPENSION

Description: Wishbone Independent
Spring medium: Coil
Damper Type: Hydraulic **Adjustable:** Optional
Anti-sway bar: Yes **Adjustable:** Optional
Suspension adjustable: Yes **Method:** Shim
Comments: Modifications permitted. Refer Group Nc regulations.

1.3 REAR SUSPENSION

Description: Live Axle - Radius Rods
Spring medium: Coil
Damper type: Hydraulic **Adjustable:** Optional
Anti-sway bar: Optional **Adjustable:** Optional
Suspension adjustable: No **Method:** -
Comments: Modifications permitted. Refer Group Nc regulations.

1.4 STEERING

Type: Recirculating Ball **Make:** GMH
Comments: Power Steering may be rendered inoperable or removed.

1.5 BRAKES

	Front	Rear
Type:	Disc - Ventilated	Drum
Dimensions:	279 mm	254 mm
Material of drum/disc	Cast Iron	Cast Iron
No. cylinders/pots per wheel:	2	1
Actuation:	Hydraulic	Hydraulic
Caliper: Make, Material, Type:	Cast Iron, PBR, Girling	
Master cylinder make: OEM		Type: Tandem
Adjustable bias	Optional	
Servo Fitted	Yes	
Comments:	Dual circuit braking permitted. Servo may be rendered inoperable or removed. Refer Group Nc regulations for further permitted modifications.	

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Optional **Type:** Dry Plate **Diameter:** Optional
No. of Plates: Optional
Actuation: Hydraulic
Comments: Refer Group Nc regulations for permitted modifications.

3.2 TRANSMISSION

Make: GM **Type:** **Model:** Aussie M20/M21
No. forward speeds: 4 **Gearbox location:** Behind Engine
Gearchange type and location: Floor
Case material: Cast Iron **Identifying marks:**
Comments: Refer Group Nc regulations for permitted modifications.

3.3 FINAL DRIVE

Make: GM **Model:** **Type:** Salisbury or Banjo
Wheel drive method: Rear
Ratios: Optional
Differential: GM **Type:** Optional
Comments: Limited Slip Differential Optional. Refer Group Nc regulations for permitted modifications.

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: 1 **Location:** Gearbox to Final Drive
Description: Tubular Tailshaft
Comments: Refer Group Nc regulations for permitted modifications.

3.5 WHEELS & TYRES

Wheel type: Original:	Steel	Material: Steel
Fixture method:	Bolt on	No. studs: 5
	FRONT	REAR
Wheel dia. & rim width		
Original:	14 inch x 6 inch	14 inch x 6 inch
Allowed	15 inch x 8 inch	15 inch x 8 inch
Tyre section:		
Original:	ER70H14	
Allowed:	Up to P225 x 60	
Aspect ratio - minimum:	60%	

Comments: Period magnesium/alloy wheels permitted, 15 inch diameter wheels permitted. Refer Group Nc regulations.