



5TH CATEGORY - HISTORIC RACING

GROUP Nb

APPROVED VEHICLE SPECIFICATION

This form details the approved specifications of individual vehicle models in the 5th Category Historic car group. To be issued with a 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:	EH
Period of Original Manufacture:	1963 – 64		
CAMS Historic Group:	Nb		
Date of issue of this document:	August 2019		



Refer to CAMS Manual of Motor Sport, Vehicle Eligibility, Historic Touring Cars, General Requirements & Nb Regulations for permitted modifications.

SECTION 1 - CHASSIS

1.1 CHASSIS FRAME

Description: Unibody four door sedan
Period of Manufacture: 1963 – 64
Manufacturer: General Motors Holden
Chassis no. from: EH 1010M????
Chassis no. location: Plate on LH side of firewall and on RH side front fender
Material: Steel

1.2 FRONT SUSPENSION

Description: Independent with upper & lower wishbones
Spring Medium: Coil
Damper Type: Telescopic **Adjustable:** No
Anti-sway bar: Fitted **Adjustable:** No
Suspension adjustable: Yes **Method:** Caster & camber by eccentric bushes

1.3 REAR SUSPENSION

Description: Live rear axle
Spring medium: Leaf
Damper type: Telescopic **Adjustable:** No
Anti-sway bar: No
Suspension adjustable: Yes **Method:** Spring height

1.4 STEERING

Type: Recirculating ball **Make:** Holden

1.5 BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	229 x 44.4 mm	229 x 44.4 mm
Material:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Master cylinder make:	Girlock / PBR	Type: Single
Adjustable bias:	No	
Servo Fitted:	No	

SECTION 2 - ENGINE

2.1 ENGINE

Make:	Holden	Configuration:	In Line
Model:	149 or 179	Two/Four Stroke:	Four
No. cylinders:	Six	Max. allowed:	With std stroke 149 – 84.050 mm 179 – 91.987 mm
Cylinder block material:	Cast iron	Max. allowed:	reduced stroke 149 – 2600 cc 179 – 3000 cc Std stroke 149 – 2537 cc 179 – 3038 cc
Bore - Original:	149 – 82.55 mm 179 – 90.487 mm		
Stroke - original:	76.2 mm		
Capacity - original:	149 – 2447 cc 179 – 2940 cc		
Cooling method:	Water		
Identifying marks:	N/A		

2.2 CYLINDER HEAD

Make:	Holden				
No. of valves/cylinder:	Two	Inlet:	One	Exhaust:	One
No. of ports total:	Nine	Inlet:	Three	Exhaust:	Six
No. of camshafts:	One	Location:	Block	Drive:	Gear
Valve actuation:	Pushrod & rockers				
Spark plugs/cylinder:	One				

Comments:

The Ian Moodie XU1 Cylinder Head casting No 2815843 is allowed. The cylinder head may be modified as permitted in the Group N regulations. When install you must include an MSD Soft Touch rev limiter Part No 8728 that controls the engine to a maximum of 7500 RPM.

This rev limiter must be mounted in a visible, easily accessible position in the engine bay. The operation of this MSD Soft Touch rev limiter will be subject to tests at race meetings.

2.3 LUBRICATION

Method:	Wet sump
Oil cooler standard:	No

2.4 IGNITION SYSTEM

Type:	Coil & distributor
Make:	Bosch or Lucas

2.5 FUEL SYSTEM

Carburettor Make:	Stromberg Bendix	Model:	BXUV – 2 or BXV – 2 BXV
Carburettor number:	One	Size:	N/A

SECTION 3 - TRANSMISSION

3.1 CLUTCH

Make: Holden
Type: Diaphragm
Diameter: 203 mm
Actuation: Hydraulic
No. of Plates: One

3.2 TRANSMISSION

Type: Synchromesh, not on first
Make: Holden
No. forward speeds: Three
Gearbox location: Behind engine
Gear change type and location: Remote lever, steering column
Case material: Cast iron
Identifying marks:

Comments:

Allowed substitution – Holden HT three speed gear box. Original EH steering column to be retained & modified to operate HT gearbox. Manual gearbox vehicles require floor modifications to fit HT gearbox, automatic vehicles do not.

3.3 FINAL DRIVE

Make: Holden
Model: EH
Type: Live axle, banjo type, semi floating
Wheel drive method: Rear
Ratios: 3.31:1
Differential type: Open / free

3.4 TRANSMISSION SHAFTS (EXPOSED)

Number: One
Description: One piece open drive shaft with two Hardy Spicer type U joints

3.5 WHEELS & TYRES

Wheel type - Original:	Disc	Material - Original:	Steel
Allowed:	Cast	Allowed:	Alloy
Fixture method:	Studs	No. studs:	Five
Wheel dia. & rim width:	FRONT		REAR
Original:	13 x 4.5 inch		13 x 4.5 inch
Allowed:	13 x <u>66.0</u> -inch		13 x <u>6.0</u> inch
Tyres original:			
Tyres allowed:	60% minimum aspect ratio, refer approved tyre list.		

SECTION 4 - GENERAL

4.1 FUEL SYSTEM

Tank Location:	Boot	Capacity:	42 litres
Fuel pump type and location:	Mechanical, engine	Make:	AC

4.2 ELECTRICAL SYSTEM

Voltage:	12	Alternator:	Fitted
Battery Location:	Engine compartment		

4.3 BODYWORK

Type:	Closed	Material:	Steel
No. of seats:	Five	No. doors:	Four

4.4 DIMENSIONS

Track - Front:	1384 mm	Rear:	1384 mm
Wheelbase:	2667 mm	Overall length:	4511 mm
Dry weight:	1120 kg		

4.5 SAFETY EQUIPMENT

Refer applicable Group Regulations