



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 2013



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**

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

## **SECTION 2 - ENGINE**

### **2.1 ENGINE**

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

### **2.2 CYLINDER HEAD**

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

### **2.3 LUBRICATION**

<b>Method:</b>	Wet sump
<b>Oil cooler standard:</b>	No

### **2.4 IGNITION SYSTEM**

<b>Type:</b>	Coil & distributor
<b>Make:</b>	Bosch or Lucas

### **2.5 FUEL SYSTEM**

<b>Carburettor Make:</b>	Stromberg Bendix	<b>Model:</b>	BXUV – 2 or BXV – 2 BXV
<b>Carburettor number:</b>	One	<b>Size:</b>	

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

### **3.4 TRANSMISSION SHAFTS (EXPOSED)**

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

### **3.5 WHEELS & TYRES**

<b>Wheel type - Original:</b>	Disc	<b>Material - Original:</b>	Steel
<b>Allowed:</b>	Cast	<b>Allowed:</b>	Alloy
<b>Fixture method:</b>	Studs	<b>No. studs:</b>	Five
<b>Wheel dia. &amp; rim width:</b>	<b>FRONT</b>	<b>REAR</b>	
<b>Original:</b>	13 x 4.5 inch	13 x 4.5 inch	
<b>Allowed:</b>	13 x 5.5 inch	13 x 5.5 inch	
<b>Tyres original:</b>			
<b>Tyres allowed:</b>	60% minimum aspect ratio, refer approved tyre list.		

## **SECTION 4 - GENERAL**

### **4.1 FUEL SYSTEM**

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

### **4.2 ELECTRICAL SYSTEM**

<b>Voltage:</b>	12	<b>Alternator:</b>	Fitted
<b>Battery Location:</b>	Engine compartment		

### **4.3 BODYWORK**

<b>Type:</b>	Closed	<b>Material:</b>	Steel
<b>No. of seats:</b>	Five	<b>No. doors:</b>	Four

### **4.4 DIMENSIONS**

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

### **4.5 SAFETY EQUIPMENT**

***Refer applicable Group Regulations***