



5TH CATEGORY - HISTORIC RACING  
**GROUP N**  
 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.

<b>Make of Car:</b>	Holden	<b>Model:</b>	48/215 ("FX" & FJ)
<b>Period of Original Manufacture:</b>	1948 - 1956		
<b>Motorsport Australia Historic Group:</b>	Na		
<b>Date of Issue of this Document:</b>	1 January 2024		



Refer to The *Manual*, Historic Appendix, Vehicle Eligibility, General Requirements & Historic Touring Cars Group N Regulations for permitted modifications.

***Update Log***

1/1/2024	Inclusion of kerb and minimum racing weights

## SECTION 1 - CHASSIS

### 1.1. CHASSIS

<b>Description:</b>	Unitary body shell
<b>Period of Manufacture:</b>	1948-1956
<b>Manufacturer:</b>	General Motors Holden
<b>Chassis Number From:</b>	Chassis subframe plates used from 1948 to November 1950 and from September 1953 to the end of FJ production. The first digit is the year. The other 5 digits represent the body number of each individual state assembly line (of which there were 5), starting at 1001, (Sydney 48-215's started at 1001 again in 1949 and 1950). A = Adelaide, B=Brisbane, M=Melbourne, P=Perth, S=Sydney. Door pillar plate used from December 1950 to August 1953. Shows the original engine number first. Next line is Year of manufacture, model type, manufacture location and body number.
<b>Chassis Number location:</b>	Front subframe, driver's side, or on the passenger side door pillar.
<b>Material:</b>	Mild steel
<b>Comments</b>	Unitary body shell

### 1.2. FRONT SUSPENSION

<b>Description:</b>	Independent - upper & lower wishbones		
<b>Spring Medium:</b>	Coil		
<b>Damper Type:</b>	Tubular. Early Cars were fitted with lever arm dampers. All Cars approved with tubular dampers.	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	Yes	<b>Method:</b>	Castor, camber and toe
<b>Comments:</b>	Refer to Appendix A		

### 1.3. REAR SUSPENSION

<b>Description:</b>	Live rear axle		
<b>Spring Medium:</b>	Semi elliptical leaf		
<b>Damper Type:</b>	Tubular. Early Cars were fitted with lever arm dampers. All Cars approved with tubular dampers.	<b>Adjustable:</b>	No
<b>Anti-sway bar:</b>	No	<b>Adjustable:</b>	No
<b>Suspension adjustable:</b>	No	<b>Method:</b>	N/A
<b>Comments:</b>	Refer to Appendix A		

### 1.4. STEERING

<b>Type:</b>	Worm and sector	<b>Make:</b>	Holden
<b>Comments</b>	None		

### 1.5. BRAKES

	Front	Rear
<b>Type:</b>	Drum	Drum
<b>Dimensions:</b>	228.6 mm x 38.1 mm	228.6 mm x 38.1 mm
<b>Material of drum/disc:</b>	Cast iron	Cast iron
<b>No. cylinders/pots per wheel:</b>	One	One
<b>Actuation:</b>	Hydraulic	Hydraulic
<b>Caliper make:</b>	N/A	
<b>Caliper type:</b>	N/A	
<b>Material:</b>	N/A	
<b>Master cylinder make:</b>	Holden	
<b>Type:</b>	Single	
<b>Adjustable bias:</b>	None	
<b>Servo Fitted:</b>	No, but permitted	
<b>Comments:</b>	The rear axle hubs may be changed provided the PCD (Pitch Circle Diameter) of the wheel studs remains unchanged. The original wheels must be able to be fitted.	

## SECTION 2 - ENGINE

### 2.1. ENGINE

<b>Make:</b>	Holden		
<b>Model:</b>	FX and FJ		
<b>No. cylinders:</b>	Six	<b>Configuration:</b>	In-line
<b>Cylinder Block-material:</b>	Cast iron	<b>Two/Four Stroke:</b>	Four
<b>Bore - Original:</b>	76.2 mm	<b>Max allowed:</b>	77.7 mm
<b>Stroke - original:</b>	79.4 mm	<b>Max allowed:</b>	79.4 mm
<b>Capacity - original:</b>	2173 cc	<b>Max allowed:</b>	2260 cc
<b>Identifying marks:</b>	N/A		
<b>Cooling method:</b>	Liquid		
<b>Comments:</b>	None		

### 2.2. CYLINDER HEAD

<b>Make:</b>	Holden		
<b>No. of valves/cylinder:</b>	Two	<b>Inlet:</b>	One
		<b>Exhaust:</b>	One
<b>No. of ports total:</b>	Seven	<b>Inlet:</b>	Three
		<b>Exhaust:</b>	Four
<b>No. of camshafts:</b>	One	<b>Location:</b>	Block
		<b>Drive:</b>	Gear
<b>Valve actuation:</b>	Pushrod OHV		
<b>Spark plugs/cylinder:</b>	One		
<b>Identifying marks:</b>	N/A		
<b>Comments:</b>	None		

### 2.3. LUBRICATION

<b>Method:</b>	Wet sump	<b>Oil tank location:</b>	N/A
<b>Dry sump pump type:</b>	N/A	<b>Location:</b>	N/A
<b>Oil cooler standard:</b>	N/A	<b>Location:</b>	N/A
<b>Comments:</b>	None		

### 2.4. IGNITION SYSTEM

<b>Type:</b>	Points, coil & distributor		
<b>Make:</b>	Bosch or Delco Remy		
<b>Comments</b>	Breakerless electronic ignition permitted		

### 2.5. FUEL SYSTEM

<b>Carburettor Make:</b>	Stromberg	<b>Model:</b>	BXOV.1
<b>Carburettor Number:</b>	One		
<b>Size:</b>	Various		
<b>Fuel injection Make:</b>	N/A	<b>Type:</b>	N/A
<b>Supercharged:</b>	No	<b>Type:</b>	N/A
<b>Comments:</b>	None		

**SECTION 3 - TRANSMISSION**

**3.1. CLUTCH**

<b>Make:</b>	Holden
<b>Type:</b>	Diaphragm
<b>Diameter:</b>	203 mm
<b>No. of Plates:</b>	One
<b>Actuation:</b>	Mechanical rod
<b>Comments:</b>	None

**3.2. TRANSMISSION**

<b>Type:</b>	Synchromesh, not on First gear
<b>Make:</b>	Holden
<b>Gearbox location:</b>	Behind engine
<b>No. forward speeds:</b>	Three
<b>Gearchange type and location:</b>	Column shift
<b>Case material:</b>	Cast iron
<b>Identifying marks:</b>	N/A
<b>Comments:</b>	None

**3.3. FINAL DRIVE**

<b>Make:</b>	Holden	<b>Model:</b>	Banjo
<b>Type:</b>	Live rear axle		
<b>Ratios:</b>	4.375:1		
<b>Differential type:</b>	Hypoid bevel		
<b>Comments:</b>	None		

**3.4. TRANSMISSION SHAFTS (EXPOSED)**

<b>Number:</b>	One
<b>Location:</b>	Gearbox to final drive
<b>Description:</b>	Open tailshaft with twin uni joints
<b>Comments:</b>	Steel

**3.5. WHEELS & TYRES**

<b>Wheel type - Original:</b>	Pressed disc	<b>Material - Original:</b>	Steel
<b>Wheel type - Allowed:</b>	Pressed disc	<b>Material - Allowed:</b>	Alloy
<b>Fixture method:</b>	Bolt-on	<b>No. studs:</b>	Five
<b>Wheel dia. &amp; rim width</b>	<b>FRONT</b>		<b>REAR</b>
<b>Original:</b>	4" x 15"		4" x 15"
<b>Allowed</b>	5" x 15"		5" x 15"
<b>Tyre Section:</b>			
<b>Allowed:</b>	Refer approved tyre list.		
<b>Aspect ratio - minimum:</b>	60% minimum aspect ratio.		
<b>Comments:</b>	None		

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## SECTION 4 GENERAL

### 4.1. FUEL SYSTEM

<b>Tank Location:</b>	Boot (in floor)	<b>Capacity:</b>	40 litres
<b>Fuel pump, type:</b>	Mechanical, engine block	<b>Make:</b>	AC
<b>Comments:</b>	None		

### 4.2. ELECTRICAL SYSTEM

<b>Voltage:</b>	Six	<b>Alternator fitted:</b>	No
<b>Battery Location:</b>	Engine compartment on R/H Firewall		
<b>Comments:</b>	Twelve volt permitted		

### 4.3. BODYWORK

<b>Type:</b>	Sedan	<b>Material:</b>	Steel
<b>No. of seats:</b>	Five	<b>No. doors:</b>	Four
<b>Comments:</b>	None		

### 4.4. DIMENSIONS

<b>Track - Front:</b>	1346 mm	<b>Rear:</b>	1372 mm
<b>Wheelbase:</b>	2616 mm	<b>Overall length:</b>	4394 mm
<b>Approved Manufacturer's kerb weight:</b>	1018 kgs		
<b>Approved minimum racing weight:</b>	993 kgs		
<b>Comments:</b>	None		

### 4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations
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## **Appendix A**

### **Suspension**

#### **Front**

Spring height adjustment permitted.

#### **Rear**

Spring height adjustment permitted.