



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.

Make of Car:	Holden	Model:	48/215 ("FX" & FJ)
Period of Original Manufacture:	1948 - 1956		
Motorsport Australia Historic Group:	Nb		
Date of Issue of this Document:	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

Description:	Unitary body shell
Period of Manufacture:	1948-1956
Manufacturer:	General Motors Holden
Chassis Number From:	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.
Chassis Number location:	Front subframe, driver's side, or on the passenger side door pillar.
Material:	Mild steel
Comments	Unitary body shell

1.2. FRONT SUSPENSION

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

1.3. REAR SUSPENSION

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

1.4. STEERING

Type:	Worm and sector	Make:	Holden
Comments	None		

1.5. BRAKES

	Front	Rear
Type:	Drum	Drum
Dimensions:	228.6 mm x 38.1 mm	228.6 mm x 38.1 mm
Material of drum/disc:	Cast iron	Cast iron
No. cylinders/pots per wheel:	One	One
Actuation:	Hydraulic	Hydraulic
Caliper make:	N/A	
Caliper type:	N/A	
Material:	N/A	
Master cylinder make:	Holden	
Type:	Single	
Adjustable bias:	None	
Servo Fitted:	No, but permitted	
Comments:	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

Make:	Holden		
Model:	FX and FJ		
No. cylinders:	Six	Configuration:	In-line
Cylinder Block-material:	Cast iron	Two/Four Stroke:	Four
Bore - Original:	76.2 mm	Max allowed:	82.7 mm
Stroke - original:	79.4 mm	Max allowed:	79.4 mm
Capacity - original:	2173 cc	Max allowed:	2600 cc
Identifying marks:	N/A		
Cooling method:	Liquid		
Comments:	None		

2.2. CYLINDER HEAD

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

2.4. IGNITION SYSTEM

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

2.5. FUEL SYSTEM

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

SECTION 3 - TRANSMISSION

3.1. CLUTCH

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

3.2. TRANSMISSION

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

3.3. FINAL DRIVE

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

3.4. TRANSMISSION SHAFTS (EXPOSED)

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

3.5. WHEELS & TYRES

Wheel type - Original:	Pressed disc	Material - Original:	Steel
Wheel type - Allowed:	Pressed disc	Material - Allowed:	Alloy
Fixture method:	Bolt-on	No. studs:	Five
Wheel dia. & rim width	FRONT		REAR
Original:	5" x 15"		5" x 15"
Allowed	6" x 15"		6" x 15"
Tyre Section:			
Allowed:	Refer approved tyre list.		
Aspect ratio - minimum:	60% minimum aspect ratio.		
Comments:	None		

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SECTION 4 GENERAL

4.1. FUEL SYSTEM

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

4.2. ELECTRICAL SYSTEM

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

4.3. BODYWORK

Type:	Sedan	Material:	Steel
No. of seats:	Five	No. doors:	Four
Comments:	None		

4.4. DIMENSIONS

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

4.5. SAFETY EQUIPMENT

Refer applicable Group Regulations

Appendix A

Suspension

Front

Spring height adjustment permitted.

Rear

Spring height adjustment permitted.